Monthly Index
of
Russian Accessions

Volume 16, No. 9 December 1963

THE LIBRARY OF CONGRESS
WASHINGTON : 1964

Carnegie Library of Pittsburgh

INTRODUCTORY NOTE

The MONTHLY INDEX OF RUSSIAN ACCESSIONS* is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries Whenever possible, publications printed in other languages spoken in the Soviet Union are also included.

The MONTHLY INDEX consists of three parts. Part A lists monographic literature, but no accessions published earlier than 1954 are included. To facilitate the use of this INDEX by readers who are not thoroughly familiar with the Russian language, the title in the original language in Part A is preceded by its English translation in brackets.

Part B lists Russian periodicals received, but excludes accessions printed earlier than 1954. Certain Soviet periodicals are being translated into English from cover to cover and published regularly in translation in the United States and other English-speaking countries. A list of such translated periodicals, their publishers, subscription prices, etc., is given at the end of each issue of the *Monthly Index*. In Part B such periodicals are indicated by an asterisk before the periodical title.

Part C provides subject analysis of the monographic titles listed in Part A and of the articles appearing in the periodicals enumerated in the *List of Periodicals Indexed and Abbreviations Used* at the beginning of Part C. The number and letter in parentheses following each abbreviation indicate the class and subclass in which the periodical appears in Part B. For the convenience of readers desiring to examine only monographs or periodical articles, the monographs are printed in slightly heavier type than the periodical articles. The titles of monographs are given both in the original language and in English translation, whereas titles of periodical articles are given in English translation only.

Sample title: Some data on lung-to-heart reflexes in amphibians. A. E. Alekseev. Biul. eksp. biol. i med. 54 no. 12: 18–22 D '62.

Explanation: An article with title given above in English translation, written by A. E. Alekseev, will be found in the December 1962 issue of *Biulleten' eksperimental'noi biologii i meditsiny*, vol. 54, no. 12, pages 18–22.

A cumulative list of periodicals included in the current volume appears in number 12 of that volume. This list is arranged by subject; the symbols of American libraries other than the Library of Congress, known to have files of such periodicals, follow each title.

Except in Part C, the material is divided into 17 subject classes and is arranged alphabetically within each class. In addition, for the convenience of the reader, the serials listed in Part B are divided within each subject class into several subclasses. All entries are transliterated according to the usual Library of Congress system except that ligatures are omitted. Unless otherwise indicated, all listed items are represented in the collections of the Library of Congress. Symbols representing other libraries indicate when items are available in those libraries. Curves ( ) around a symbol indicate that at the time of receipt the material was available in another library but not in the Library of Congress.

Cumulative author, subject, and periodical location indexes to the first four volumes of the MONTHLY INDEX are available as separate publications. Beginning with Volume 5, an author index to the monographs, and a periodical location index for the entire volume are furnished as appendices to the first two issues of the following volume.

Orders for microfilm or photostat copies of the listed items that are in the collections of the Library of Congress may be placed with the Photoduplication Service, Library of Congress, Washington, D. C. 20540

The MONTHLY INDEX OF RUSSIAN ACCESSIONS is for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402

Price of single copies varies; subscription price, $12.00 a year domestic, $16.00 a year foreign. Price of Cumulative Index to Volumes 1–3, $1.50; to Volume 4, $0.60. This issue $1.75.

L. C. card, 48-46562

*Volumes 1–10 (No. 9), 1948–1957, issued under title *Monthly List of Russian Accessions.*

SYMBOLS OF LIBRARIES REPORTING RECEIPT OF PUBLICATIONS

AAP	Auburn University, Auburn, Ala.
AMAU	Air University Library, Maxwell Air Force Base, Montgomery, Ala.
AU	University of Alabama, University
AzU	University of Arizona, Tucson
C	California State Library, Sacramento
CCC	Honnold Library, Claremont, Calif.
CFS	Fresno State College, Fresno, Calif.
CL	Los Angeles Public Library
CLCM	Los Angeles County Museum Library, Los Angeles
CLL	Los Angeles County Law Library, Los Angeles
CLM	Los Angeles County Medical Association, Los Angeles
CLSU	University of Southern California, Los Angeles
CLU	University of California at Los Angeles
CMthL	University of California, Lick Observatory, Mount Hamilton
CPT	California Institute of Technology, Pasadena
CSf	San Francisco Public Library
CSfA	California Academy of Sciences, San Francisco
CSfU	University of San Francisco, San Francisco
CSmH	Henry E. Huntington Library, San Marino, Calif.
CSt	Stanford College Libraries, Stanford, Calif.
CSt-H	— The Hoover Institution on War, Revolution, and Peace
CSt-L	— Lane Medical Library
CStbS	University of California, Santa Barbara Library, Goleta
CStmoR	Rand Corporation, Santa Monica, Calif.
CU	University of California, Berkeley
CU-A	— University of California, Davis
CU-B	— Bancroft Library, Berkeley
CU-E	— East Asiatic Library, Berkeley
CU-M	— Medical Center, San Francisco
CU-Riv	— College of Arts, Letters and Science, Riverside
CU-S	— Scripps Institution of Oceanography, La Jolla
CaAEU	University of Alberta, Edmonton, Canada
CaBVa	Vancouver Public Library, Vancouver, Canada
CaBVaU	University of British Columbia, Vancouver, Canada
CaBViPA	Provincial Archives, Victoria, Canada
CaMWM	Medical Library of the University of Manitoba, Winnipeg, Canada
CaOKQ	Queen's University, Kingston, Canada
CaOL	London Public Library, London, Canada
CaOOA	Public Archives Library, Ottawa, Canada
CaOOAg	Department of Agriculture, Main Library, Ottawa, Canada
CaOLU	University of Western Ontario, London, Canada
CaOOF	Department of Finance Library, Ottawa
CaOOG	Geological Survey of Canada, Ottawa, Canada
CaOOGB	Geographical Branch, Department of Mines and Technical Surveys, Ottawa, Canada
CaOOH	Laboratory of Hygiene, Ottawa, Canada
CaOOM	Bureau of Mines Library, Ottawa
CaOON	National Research Council, Ottawa, Canada
CaOONM	National Museum, Ottawa, Canada
CaOOS	Dominion Bureau of Statistics, Ottawa, Canada
CaOOU	University of Ottawa, Ottawa, Canada
CaOTM	Library, Meteorological Branch, Air Services, Dept. of Transport, Toronto, Canada
CaOTR	Royal Canadian Institute, Toronto. (Collection included with CaOTU)
CaOTU	University of Toronto, Toronto, Canada
CaQMAI	Arctic Institute of North America, Montreal, Canada
CaQMBM	Bibliothèque de la Ville de Montréal, Collection Gagnon, Montreal
CaQMM	McGill University, Montreal, Canada
CaQMU	La Bibliothèque de l'Université de Montréal, Montreal
CaSSU	University of Saskatchewan, Saskatoon, Canada
CoBBS	U. S. National Bureau of Standards, Boulder Laboratories, Colorado
CoD	Denver Public Library
CoDM	Medical Society of the City and County of Denver
CoFS	Colorado State University, Fort Collins
CoU	University of Colorado, Boulder
CtHT	Trinity College, Hartford, Conn.
CtU	University of Connecticut, Storrs
CtW	Wesleyan University, Middletown, Conn.
CtY	Yale University, New Haven
CtY-L	— Law Library
CtY-M	— Medical School Library
DAIA	American Institute of Architects Library, Washington, D. C.
DAL	U. S. Army Library, Pentagon Building
DBC	U. S. Bureau of the Census Library
DBS	U. S. National Bureau of Standards Library
DC	U. S. Department of Commerce Library
DCU	Catholic University of America Library, Washington, D. C.
DDC	Dominican House of Studies, Immaculate Conception Convent Library, Washington, D. C.
DDO	Dumbarton Oaks Research Library of Harvard University, Washington, D. C.
DFR	Board of Governors of the Federal Reserve System
DI	U. S. Department of the Interior Library
DI-GS	— Geological Survey Library
DM	U. S. Bureau of Mines Library. (Library integrated with DI)
DN	U. S. Department of the Navy Library
DN-HO	— Naval Oceanographic Office Library
DN-Ob	— Naval Observatory Library
DN-RL	Naval Research Laboratory Library, Anacostia Station, Washington, D. C.
DNAL	National Agricultural Library
DNIH	National Institutes of Health Library, Bethesda, Md.
DNLM	U. S. National Library of Medicine
DNW	U. S. National War College Library, Fort McNair
DP	U. S. Patent Office Library
DS	U. S. Department of State Library
DSC	Scottish Rite Supreme Council Library
DSI	Smithsonian Institution Library, Washington, D. C.
DSI-AO	— Astrophysical Laboratory Library
DSI-E	— Bureau of American Ethnology Library
DSI-M	— National Museum Library
DWB	U. S. Weather Bureau Library
DeU	University of Delaware, Newark
FMU	University of Miami, Coral Gables, Fla.
FTaSU	Florida State University, Tallahassee
FU	University of Florida, Gainesville
GAT	Georgia Institute of Technology, Atlanta
GEU	Emory University, Atlanta
GU	University of Georgia, Athens
I	Illinois State Library, Springfield
IArg	Argonne National Laboratory, Argonne, Ill.
IC	Chicago Public Library
ICA	Art Institute of Chicago, Chicago
ICAC	American College of Surgeons Library, Chicago
ICF	Chicago Natural History Museum, Chicago
ICJ	*John Crerar Library, Chicago*
ICMILC	Midwest Inter-Library Center, Chicago
ICN	Newberry Library, Chicago
ICU	University of Chicago, Chicago
ICU-Y	Yerkes Observatory, Williams Bay, Wis.
ICarbS	Southern Illinois University, Carbondale
IEN	Northwestern University, Evanston, Ill.
IEN-M	— Medical School Library, Chicago
IHi	Illinois State Historical Library, Springfield
IU	University of Illinois, Urbana

IaAS	Iowa State University of Science and Technology, Ames
IaU	State University of Iowa, Iowa City
IdNTS	National Reactor Testing Station, Technical Library, Phillips Petroleum Company, Idaho Falls, Idaho
IdU	University of Idaho, Moscow
In	Indiana State Library, Indianapolis
InIA	Indiana Academy of Science Library, Indianapolis
InLP	Purdue University, Lafayette, Ind.
InNd	University of Notre Dame, Notre Dame, Ind.
InU	Indiana University, Bloomington
KAS	St. Benedict's College, Atchison, Kan.
KMK	Kansas State University, Manhattan
KU	University of Kansas, Lawrence
KU-L	— School of Law Library
KU-M	— Medical Center Library, Kansas City
KyU	University of Kentucky, Lexington
LNHT	Howard-Tilton Memorial Library of Tulane University, New Orleans, La.
LU	Louisiana State University, Baton Rouge
MA	Amherst College, Amherst, Mass.
MB	Boston Public Library
MBA	American Academy of the Arts and Sciences, Boston
MBAt	Boston Athenaeum, Boston
MBM	Boston Medical Library, Boston
MBN	Boston Society of Natural History, Boston
MBU	Boston University
MBdAF	U. S. Air Force Cambridge Research Center, Bedford, Mass.
MCM	Massachusetts Institute of Technology, Cambridge, Mass.
MH	Harvard University, Cambridge, Mass.
MH-A	— Arnold Arboretum, Jamaica Plain
MH-AH	— Andover-Harvard Theological Seminary Library
MH-BH	— Blue Hill Meteorological Observatory, Milton, Mass.
MH-BL	— Biological Laboratories Library
MH-C	— Chemistry Library
MH-F	— Farlow Reference Library
MH-FA	— Fogg Art Museum Library
MH-G	— Gary Herbarium Library
MH-GM	— Gordon McKay Library
MH-HY	— Harvard-Yenching Institute (Chinese-Japanese Library)
MH-L	— Law School Library
MH-M	— Schools of Medicine, Public Health and Dental Medicine, Boston
MH-Mi	— Mineralogical Library
MH-O	— Astronomical Observatory, the Phillips Library
MH-P	— Peabody Museum Library
MH-PR	— Physics Research Library
MH-SD	— Graduate School of Design Library
MH-Z	— Museum of Comparative Zoology Library
MMeT	Tufts University, Medford, Mass.
MNS	Smith College, Northampton, Mass.
MWelC	Wellesley College, Wellesley, Mass.
MWhB	Marine Biological Laboratory, Woods Hole, Mass.
MdAN	U. S. Naval Academy, Annapolis
MdBJ	Johns Hopkins University, Baltimore
MdBWA	Walters Art Gallery, Baltimore
MdU	University of Maryland, College Park
MeB	Bowdoin College, Brunswick, Maine
MeWC	Colby College, Waterville, Maine
MiD	Detroit Public Library
MiDA	Detroit Institute of Arts
MiDW	Wayne State University, Detroit
MiEM	Michigan State University, East Lansing
MiMidD	Dow Chemical Company, Midland, Mich.
MiU	University of Michigan, Ann Arbor
MiU-C	— William L. Clements Library
MiU-L	— Law Library
MnSJ	James Jerome Hill Reference Library, St. Paul
MnU	University of Minnesota, Minneapolis
MnU-B	— Bio-Medical Library
MnU-L	— Law Library
MoFC	Central College, Fayette, Mo.
MoKL	Linda Hall Library, Kansas City
MoRM	University of Missouri School of Mines and Metallurgy, Rolla
MoS	St. Louis Public Library
MoSB	Missouri Botanical Garden, St. Louis
MoSU	St. Louis University, St. Louis
MoSW	Washington University, St. Louis
MoU	University of Missouri, Columbia
MsSM	Mississippi State University, State College
MsU	University of Mississippi, Oxford
MtBC	Montana State College, Bozeman
MtU	Montana State University, Missoula
N	New York State Library, Albany
NB	Brooklyn Public Library
NBB	Brooklyn Museum Libraries, Brooklyn
NBC	Brooklyn College, Brooklyn
NBG	Brooklyn Botanic Garden, Brooklyn
NBM	Academy of Medicine of Brooklyn Library, Brooklyn
NBSU-M	State University of New York, College of Medicine Downstate Medical Center Library, Brooklyn
NBuB	Buffalo Society of Natural Sciences, Buffalo
NCH	Hamilton College, Clinton, N. Y.
NCorniC	Corning Glass Works Library, Corning, N. Y.
NCsC	Carnegie Institution, Department of Genetics, Cold Spring Harbor, N. Y.
NIC	Cornell University, Ithaca, N. Y.
NIC-A	— State Colleges of Agriculture and Home Economics
NN	New York Public Library
NNA	American Geographical Society, New York
NNBG	New York Botanical Garden, Bronx Park, New York
NNC	Columbia University, New York
NNC-L	— Law Library
NNC-M	— Medical Library
NNC-T	— Teachers College Library
NNCC	Chemists' Club, New York
NNCoCi	College of the City of New York, New York
NNCorM	Cornell University Medical College Library, New York
NNE	Engineering Societies Library, New York
NNF	Fordham University, New York
NNIS	Library for Intercultural Studies, New York
NNJ	Jewish Theological Seminary of America, New York
NNM	American Museum of Natural History, New York
NNMM	Metropolitan Museum of Art Library, New York
NNNAM	New York Academy of Medicine, New York
NNPH-O	Institute of Ophthalmology, Presbyterian Hospital, New York
NNR	Russell Sage Foundation, College of the City of New York
NNRI	Rockefeller Institute for Medical Research, New York
NNU	New York University Libraries, New York
NNU-H	— University Heights Library
NNU-W	— Washington Square Library
NNUN	United Nations Library, New York
NPV	Vassar College, Poughkeepsie, N. Y.
NRE	Eastman Kodak Company, Rochester, N. Y.
NRU	University of Rochester, Rochester, N. Y.
NSyU	Syracuse University, Syracuse, N. Y.
NUpB	U. S. Brookhaven National Laboratory, Upton, N. Y.
NYBT	Boyce Thompson Institute for Plant Research, Yonkers, N. Y.
NbU	University of Nebraska, Lincoln

NcD	Duke University, Durham, N. C.
NcGW	Woman's College of the University of North Carolina, Greensboro
NcRS	North Carolina State College of Agriculture and Engineering, Raleigh
NcU	University of North Carolina, Chapel Hill
NdU	University of North Dakota, Grand Forks
Nh	New Hampshire State Library, Concord
NhD	Dartmouth College, Hanover, N. H.
NjI	Irvington Free Public Library, Irvington, N. J.
NjMuA	Air Reduction Company, inc., Central Research Department Library, Murray Hill
NjMuB	Bell Telephone Laboratories, Murray Hill, N. J.
NjN	Newark Public Library, Newark, N. J.
NjP	Princeton University, Princeton, N. J.
NjR	Rutgers University, New Brunswick, N. J.
NmUpU	New Mexico State University of Agriculture, Engineering and Science, University Park
NvU	University of Nevada, Reno
O	Ohio State Library, Columbus
OCH	Hebrew Union College, Cincinnati
OCLloyd	Lloyd Library and Museum, Cincinnati
OCU	University of Cincinnati, Cincinnati
OCl	Cleveland Public Library
OClBHS	Benedictine High School, Cleveland
OClCS	Case Institute of Technology, Cleveland
OClJC	John Carroll University, Cleveland
OClM	Cleveland Medical Library
OClMA	Cleveland Museum of Art
OClW	Western Reserve University, Cleveland
OCoB	Battelle Memorial Institute, Columbus
ODW	Ohio Wesleyan University, Delaware, Ohio
OHi	Ohio State Historical Society, Columbus
OO	Oberlin College, Oberlin, Ohio
OOxM	Miami University, Oxford, Ohio
OSte	Carnegie Library, Steubenville, Ohio
OU	Ohio State University, Columbus
OUCA	Chemical Abstracts, Ohio State University, Columbus
OkS	Oklahoma State University, Stillwater
OkU	University of Oklahoma, Norman
OrCS	Oregon State University, Corvallis
OrPR	Reed College, Portland, Ore.
OrU	University of Oregon, Eugene
P	Pennsylvania State Library, Harrisburg
PBL	Lehigh University, Bethlehem, Pa.
PBm	Bryn Mawr College, Bryn Mawr, Pa.
PHC	Haverford College, Haverford, Pa.
PLF	Franklin and Marshall College, Lancaster, Pa.
PP	Free Library of Philadelphia
PPAN	Academy of Natural Sciences, Philadelphia
PPAmP	American Philosophical Society, Philadelphia
PPC	College of Physicians of Philadelphia
PPDrop	Dropsie College for Hebrew and Cognate Learning, Philadelphia
PPF	Franklin Institute, Philadelphia
PPPM	Philadelphia Museum of Art
PPT	Temple University, Philadelphia
PPUC	Union Library Catalogue of the Philadelphia Metropolitan Area, Philadelphia
PPWI	Wistar Institute of Anatomy and Biology, Philadelphia
PPiCI	Carnegie Institute of Technology, Pittsburgh
PPiU	University of Pittsburgh, Pittsburgh
PRosC	Rosemont College, Rosemont, Pa.
PSC	Swarthmore College, Swarthmore, Pa.
PSt	Pennsylvania State University, University Park
PU	University of Pennsylvania, Philadelphia
PU-BZ	— Botany-Zoology Library
PU-El	— Moore School of Electrical Engineering Library
PU-FA	— School of Fine Arts Library
PU-Math	— Mathematics-Physics Library
PU-Mu	— University Museum Library
PU-Penn	— Penniman Library of Education
PU-Sc	— Towne Scientific School Library
RPB	Brown University, Providence, R. I.
RU	University of Rhode Island, Kingston
TCU	University of Chattanooga, Chattanooga, Tenn.
TNJ	Joint University Libraries (Vanderbilt University, George Peabody College for Teachers, and Scarritt College), Nashville, Tenn.
TONS	Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn.
TU	University of Tennessee, Knoxville
TxCM	Agricultural and Mechanical College of Texas, College Station
TxDaM	Southern Methodist University, Dallas
TxHR	Rice Institute, Houston
TxLT	Texas Technological College, Lubbock
TxU	University of Texas, Austin
ULA	Utah State University of Agriculture and Applied Science, Logan
ViBlbV	Virginia Polytechnic Institute, Blacksburg
ViU	University of Virginia, Charlottesville
ViU-L	— Law Library
ViW	College of William and Mary, Williamsburg
VtMiM	Middlebury College, Middlebury, Vt.
VtU	University of Vermont and State Agricultural College, Burlington
WAP	Institute of Paper Chemistry, Appleton
WHi	State Historical Society of Wisconsin, Madison
WU	University of Wisconsin, Madison
WaU	University of Washington, Seattle
WvU	West Virginia University, Morgantown

MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

VOLUME 16, NO. 9 DECEMBER 1963

TABLE OF CONTENTS

Part A—Monographic Works Page

1. General 2557
2. Bibliography 2557
3. Philosophy & Religion 2557
4. History 2557
5. Social Sciences 2559
6. Political Science 2562
7. Law 2562
8. Education 2563
9. Music, Theater & Motion Pictures 2563
10. Fine Arts 2564
11. Language, Literature & Folklore 2564
12. Geography & Geology 2569
13. Science 2569
14. Medicine 2571
15. Agriculture 2572
16. Technology 2573
17. Military & Naval Sciences 2579

Part B—Periodicals

1. General
   - *a.* Scholarly journals 2580
   - *b.* Popular magazines 2582
2. Bibliography
   - *a.* Bibliography 2584
   - *b.* Libraries & library science 2585
   - *c.* Printing & the book trade 2585
3. Philosophy & Religion
   - *a.* Philosophy 2585
   - *b.* Religion 2585
4. History
   - *a.* General 2585
   - *b.* Archaeology & antiquities 2587
5. Social Sciences
   - *a.* Commerce 2587
   - *b.* Economics 2587
   - *c.* Finance 2589
   - *d.* Labor 2590
   - *e.* Sociology 2591
6. Political Science 2591
7. Law 2594
8. Education
   - *a.* General 2596
   - *b.* Physical education & games 2599

9. Music, Theater & Motion Pictures — Page

a. Motion pictures 2599

b. Music 2600

c. Theater 2600

10. Fine Arts

a. General 2600

b. Architecture 2600

11. Language, Literature & Folklore

a. Language 2600

b. Literature & folklore 2601

12. Geography & Geology

a. Ethnology 2602

b. Geography 2602

c. Geology & paleontology 2603

13. Science

a. General 2607

b. Astronomy 2610

c. Biology 2610

d. Chemistry 2613

e. Mathematics 2618

f. Physics 2619

14. Medicine

a. General 2623

b. Gynecology, obstetrics & pediatrics 2627

c. Neurology & psychiatry 2628

d. Ophthalmology & otorhinolaryngology 2628

e. Pathology & therapeutics 2628

f. Pharmacy & materia medica 2629

g. Public health & nursing 2630

h. Surgery & dentistry .....

i. Venereology & dermatology .....

15. Agriculture

a. General 2630

b. Animal industry 2634

c. Forestry 2634

d. Plant culture 2635

16. Technology

a. General 2636

b. Aeronautics .....

c. Chemical technology .....

d. Civil & construction engineering .....

e. Electrical engineering .....

f. Industries & trades .....

g. Mechanical engineering .....

h. Mining & metallurgy .....

17. Military & Naval Sciences

a. Military science .....

b. Naval science .....

Part C—List of Periodicals Indexed and Abbreviations Used .....

Subject Index to Monographs and Periodicals .....

Periodicals Available in English Translation Cover-to-Cover.

1. GENERAL

[LITHUANIAN ENCYCLOPEDIA] Lietuviu enciklopedija [Boston] Lietuviu enciklopedijos leidykla [In Lithuanian]
Vol. 29. Stoss—Sirdietes. [1963] 544 p.

ONATS'KYI, IEVHEN. [Little Ukrainian Encyclopedia] Ukrains'ka mala entsyklopediia. Buenos Aires, Nakladom administratury UAPTs v Argentini.
Vol. 10. Ol-Per. 1962.

2. BIBLIOGRAPHY

AKADEMIIA NAUK SSSR. [Bibliography of publications of the Academy of Sciences of the U.S.S.R., yearbook] Bibliografiia izdanii; ezhegodnik. Leningrad.
Vol. 6. [Publications for the year 1961] Izdaniia, vyshedshie iz pechati v 1961 g. Sost. O. P. Belliavskaia i dr. Pod red. S. P. Luppova. 1963. 946 p.

AKADEMIIA NAUK SSSR. Bibliotechnaia komissiia [Bibliography of bibliographical works prepared by the libraries of the Academy of Sciences of the U.S.S.R. and of the Academies of Sciences of the Union Republics] Ukazatel' bibliograficheskikh rabot, vypolnennykh bibliotekami Akademii nauk SSSR i Akademii nauk soiuznykh respublik. Moskva, Akad. nauk SSSR, 1957. 110 p.
(MH)

AKADEMIIA NAUK SSSR. Biblioteka. [Pattern of the development of collections of foreign literature by the Library of the Academy of Sciences of the U.S.S.R.] Profil' komplektovaniia knizhnykh fondov Biblioteki Akademii nauk SSSR inostrannoi literaturoi. Leningrad, 1962. 75 p.
(MH)

AKADEMIIA NAUK SSSR. Laboratoriia konservatsii i restavratsii dokumentov. [Unknown monument of the book art; restoration of the manuscript of a 13th century French legend] Neizvestnyi pamiatnik knizhnogo iskusstva; opyt vosstanovleniia frantsuzskogo legendariia XIII veka. Moskva, Izd-vo Akad. nauk SSSR, 1963. 95 p., tables. (With summary in French)

[CHRONICLE OF PERIODICAL PUBLICATIONS OF THE U.S.S.R., 1955-1960 IN TWO PARTS] Letopis' periodicheskikh izdanii SSSR, 1955-1960 gg. v dvukh chastiakh; organ gosudarstvennoi bibliografii. Moskva, Izd-vo Vses. knizhnoi palaty
Pt. 1 [Journals, transactions, and bulletins] Zhurnaly, trudy, biulleteni. 1963. 1024 p.

KAMENKOVICH, I. I. [Literature of science and technology in the bookstore] Nauchno-tekhnicheskaia literatura v knizhnom magazine. Moskva, "Iskusstvo," 1963. 98 p.

KHAVKINA, L. B. [Three-figure author tables coordinated and united with the two-figure, with a supplement of two-figure tables for foreign languages] Trekhznachnye avtorskie tablitsy, soglasovannye i soedinennye s dvuznachnymi, s prilozheniem dvuznachnykh tablits dlia inostrannykh iazykov. 5., dop. izd. Pod red. IU. V. Grigor'eva. Moskva, Izd-vo Vses. knizhnoi palaty, 1961. 170 p.
(MiU)

[LITERATURE IN THE LANGUAGES OF THE COUNTRIES OF ASIA AND AFRICA; an annotated catalog of new acquisitions for 1959] Literatura na iazykakh stran Azii i Afriki; annotirovannyi katalog novykh postuplenii 1959. Pod red. A. N. Kononova. Leningrad, Biblioteka Akad. nauk SSSR, 1962. 431 p.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. [The Moscow Public Library's want list of Russian publications Books] Spisok otechestvennykh izdanii, razyskivaemykh bibliotekoi imeni V. I. Lenina Knigi. Moskva, No. 1. A — D 1962. 279 p.

NOVOSIBIRSK. OBLASTNAIA BIBLIOTEKA. Otdel zonal'noi kraevedcheskoi bibliografii. [Literature on Western Siberia published in 1960] Literatura o Zapadnoi Sibiri, 1960 god. Novosibirsk, 1962. 362 p.

[SOGDIAN DOCUMENTS FROM MT. MUG; reading, translation, and comments] Sogdiiskie dokumenty s gory Mug, chtenie, perevod, kommentarii. Moskva, Izd-vo vostochnoi lit-ry.
No. 3. Bogoliubov, M. N., and O. I. Smirnova. [Documents of an economic nature] Khoziaistvennye dokumenty. 1963. 130 p.

3. PHILOSOPHY & RELIGION

AKADEMIIA NAUK SSSR. Institut filosofii. [Philosophical aspects of the physiology of higher nervous activity and psychology] Filosofskie voprosy fiziologii vysshei nervnoi deiatel'nosti i psikhologii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 768 p.

AKADEMIIA NAUK SSSR. Nauchnyi sovet po filosofskim voprosam estestvoznaniia. [Dialectical materialism and present-day natural sciences] Dialekticheskii materializm i sovremennoe estestvoznanie, Moskva,
[Vol. 1.] Kedrov, B. M. [Object and interrelationship of the natural sciences] Predmet i vzaimosviaz' estestvennykh nauk. 1962
(MH)

ANUFRIEV, L. A., and A. V. KUZOVNIKOV. [Reality and religion, 114 questions and answers on religion and atheism] Deistvitel'nost' i religiia, 114 voprosov i otvetov po religii i ateizmu. [Odessa] Odesskoe knizhnoe izd-vo, 1963. 166 p.

ASMUS, V. F. [Problem of intuition in philosophy and mathematics; a study of its history from the 17th through the early 20th century] Problema intuitsii v filosofii i matematike; ocherk istorii XVII—nachalo XX v. Moskva, Sotsekgiz, 1963. 311 p.

BELOMORSKII, ANDREI. [Orthodoxy and the Papacy] Pravoslavie i Papstvo. New York, Russian Center, Fordham University, 1955. 36 p.
(RPB)

BELOV, A., and S. NIKONENKO. [Science against superstition] Nauka protiv sueverii. Moskva, Voenizdat, 1963. 128 p. (Nauchno-populiarnaia biblioteka)

BRATSTVO SV. VELYKOMUCHENYKA IURIIA PEREMOZHTSIA, Chicago. [Memorial book; published in commemoration of the act of blessing the banner of St. George's Fraternity, March 5, 1963] Propam'iatna knyha; vydana z nahody posviachennia prapora Bratstva 5-oho travnia 1963 roku. [Chicago] 1963. 48 p.

DROBNITSKII, O. G. [Justification of immorality; critical studies on present-day bourgeois ethics] Opravdanie beznravstvennosti; kriticheskie ocherki o sovremennoi burzhuaznoi etike. Moskva, Gospolitizdat, 1963. 110 p.

ILARION, Metropolitan of Winnipeg and All Canada. [Let us say our prayers to God in Ukrainian!] Khvalimo Boha ukrains'koiu movoiu! Vyd. 3., dop. i perer. Winnipeg, "Vira i Kul'tura," 1962. 62 p. (Khristians'ka bibliotechka, no. 3)

KALANDARISHVILI, G. M. [Dialectic in the "Basic principles of the general theory of science" by J. G. Fichte] Dialektika v "Osnovakh obshchego naukoucheniia" I. G. Fikhte. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 67 p.

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA Vysshaia partiinaia shkola. Kafedra marksistsko-leninskoi filosofii. [Historical materialism] Istoricheskii materializm. Pod red. A. D. Makarova, G. V. Teriaeva i E. N. Chesnokova. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 310 p.

KORCHYNS'KA, HALYNA. [Three or four laws of dialectical materialism] Try abo chetyry zakony dilalektyky. Munich, In-t dlia vyvchennia SSSR, 1956. 45 p.
(IaU)

KURYLAS, BOHDAN. [Historical and psychological aspects of the reunion of Archbishop Meletii Smotryts'kyi] Z'iednannia Arkhiepyskopa Meletiia Smotryts'koho v istorychnomu i psykhologichnomu nasvitlenni, doktors'ka dysertatsiia zakhyshchena v UVU, Miunkhen, dnia 26.5 1955. Brussels, Centre Ukrainien d'Etudes en Belgique, 1962. 139 p.

LENINGRAD. PUBLICHNAIA BIBLIOTEKA. [Learn to live and work the communist way, talks on books] Uchit'sia zhit' i rabotat' po kommunisticheski, besedy o knigakh. Leningrad, 1961. 162 p.
(CSt-H)

MISEVICIUS, V. [The conspiracy of the vampires; a documentary story] Vampyru maistas, dokumentine apysaka. Vilnius, Valstybine grozines literatures leidykla, 1963. 153 p. [In Lithuanian]

[MORALITY AS THE COMMUNISTS SEE IT] Moral', kak ee ponimaiut kommunisty. Izd. 2., dop. Moskva, Gospolitizdat, 1963. 246 p.

ORTHODOX EASTERN CHURCH. Liturgy and ritual. Menaion. [The euchologion] Minеia obshchaia. [Moskva, Izd-vo Moskovskoi Patriarkhii, 1960. 257 p.
(DDO)

[OUR EXPERIENCE IN ATHEISTIC PROPAGANDA] Nash opyt ateisticheskoi raboty. Moskva, Sovetskaia Rossiia, 1963. 126 p. (Bibliotechka v pomoshch' sel'skomu klubnomu rabotniku, no. 7)

RUSSIA (1917- R.S.F.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. [Criticism of the present-day bourgeois ideology] Kritika sovremennoi burzhuaznoi ideologii. [n. p.] Rosvuzizdat, 1963. 181 p.

SHEROZIA, A. E. [Philosophical thought in Georgia in the first quarter of the 20th century] Filosofskaia mysl' v Gruzii v pervoi chetverti XX veka. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSSR, 1963. 298 p.

TSAREGORODTSEV, G. I. [Dialectical materialism and medicine] Dialekticheskii materializm i meditsina. Moskva, Medgiz, 1963. 431 p.

TSERETELI, S. B. [Basis of proof] Nachalo dokazatel'stva. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 470 p. [In Georgian with summary in Russian]

VARDAPETIAN, K. B. [Some basic problems of Marxist Leninist gnosiology] O nekotorykh osnovnykh voprosakh marksistsko-leninskoi gnoseologii. Erevan, Izd-vo Erevanskogo gos. univ., 1963. 330 p.
(MH)

4. HISTORY

AKADEMIIA NAUK SSSR. Arkhiv. [Personal archival collections in State depositories of the U.S.S.R.; an index] Lichnye arkhivnye fondy v gosudarstvennykh khranilishchakh SSSR; ukazatel'. Moskva,
Vol. 1. A—M. 1962. 477 p.
Vol. 2. N—IA. 1963. 501 p.

A 4

AKADEMIIA NAUK SSSR. Institut istorii. [Complete collection of Russian chronicles] Polnoe sobranie russkikh letopisei. Moskva, Izd-vo Akad. nauk SSSR.
Vol 28 [Chronicle of 1497. Chronicle of 1518, the Uvarov chronicle] Letopisnyi svod 1497 g. Letopisnyi svod 1518 g., Uvarovskaia letopis' 1963. 410 p.

AKADEMIIA NAUK SSSR. Institut mirovoi literatury. [Problems in the study of A. I. Hertzen's works] Problemy izucheniia Gertsena. Moskva, Izd-vo Akad. nauk SSSR. 1963. 535 p.

AKADEMIIA NAUK SSSR. Institut narodov Azii. [History of Arab countries] Arabskie strany, istoriia. Moskva, Izd-vo vostochnoi lit-ry, 1963. 211 p.

AKADEMIIA NAUK SSSR. Institut narodov Azii. [Present-day historiography of the countries of the Orient] Sovremennaia istoriografiia stran zarubezhnogo Vostoka. Moskva, Izd-vo vostochnoi lit-ry, 1963. (MiU)

AKADEMIIA NAUK SSSR. Institut narodov Azii. [Recent history of Vietnam] Noveishaia istoriia V'etnama, sbornik statei. Moskva, Izd-vo vostochnoi lit-ry, 1963. 194 p.

AKADEMIIA NAUK SSSR. Institut slavianovedeniia. [History of Yugoslavia in two volumes] Istoriia IUgoslavii v dvukh tomakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 2 v.

AKADEMIIA NAUK URSR, Kiev. Instytut istorii. [The role of seamen in the struggle for Soviet rule in the Ukraine, November 1917-1920] Moriaki v bor'be za vlast' Sovetov na Ukraine (noiabr' 1917-1920 gg) sbornik dokumentov. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963. 665 p.

ALEKSEEV, S. P. [Citizen of the Russian Republic; stories from the history of a great year] Grazhdanin Rossiiskoi respubliki; rasskazy iz istorii velikogo goda. Moskva, "Sovetskaia Rossiia," 1963. 71 p.

[ARCHAEOLOGY OF THE U. S. S. R., archaeological sources] Arkheologiia SSSR; svod arkheologicheskikh istochnikov. Pod obshchei red. B. A. Rybakova. Moskva, Izd-vo Akad. nauk SSSR.
No. B1-11. Passek, T. S., and E. K. Chernysh. [Pottery specimens of the culture ornamented with dotted lines found on the territory of the U. S. S. R.] Pamiatniki kul'tury lineino-tentochnoi keramiki na territorii SSSR. 1963. 42 p. 26 tables.

BARTOL'D, V. V. [Works] Sochineniia. Moskva, Izd-vo vostochnoi lit-ry.
Vol. 1. [Turkestan under the sway of the Mongols] Turkestan v epokhu mongol'skogo nashestviia. 1963. 759 p.

BIRIUKOV, N. I. [Two hundred days in battle] 200 dnei v bolakh. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1963. 158 p.

BLAVATSKII, V. D., and G. A. KOSHELENKO. [Discovery of a sunken world] Otkrytie zatonuvshego mira. Moskva, Izd-vo Akad. nauk SSSR, 1963. 106 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

BREST-LITOVSK. Muzei oborony Brestskoi kreposti. [The Brest Fortress; a guidebook to the battle spots] Brestskaia krepost', putevoditel' po mestam boev. Izd. 3., ispr. Moskva, Voen. izd-vo M-va oborony SSSR, 1961. 112 p. (InU)

[CRIMEA IN THE GREAT PATRIOTIC WAR OF THE SOVIET UNION, 1941-1945] Krym v Velikoi Otechestvennoi voine Sovetskogo Soiuza 1941—1945 gg. Simferopol', Krymizdat, 1963. 340 p.

DANDAMAEV, M. A. [Iran under the rule of the first Achaemenids; the sixth century B. C.] Iran pri pervykh Akhemenidakh; VI v. do n. e. Moskva, Izd-vo vostochnoi lit-ry, 1963. 288 p.

DAVIDOVICH, D. S. [The revolutionary crisis of 1923 in Germany and the Hamburg uprising] Revoliutsionnyi krizis 1923 g. v Germanii i Gamburgskoe vosstanie. Moskva, Sotsekgiz, 1963. 335 p.

DRAGNEV, D. M. [The haiduks, the people's avengers, outline history of the heroic struggle of the Moldavian haiduks against local and foreign oppressors] Gaiduki-narodnye mstiteli; ocherk istorii geroicheskoi bor'by moldavskikh gaidukov protiv mestnykh i inozemnykh ugnetatelei. Pod red. N. A. Mokhova. Kishinev, Izd-vo "Shtiintsa," 1962. 40 p. (CSt-H)

[FALLEN HEROES ARE SPEAKING, last letters of Soviet fighters who died opposing the occupation forces of German fascists, 1941-1945] Govoriat pogibshie geroi, predsmertnye pis'ma sovetskikh boitsov protiv nemetsko-fashistskikh zakhvatchikov, 1941-1945 gg. 2., dop. i pererer. izd. Moskva, Gospolitizdat, 1963. 510 p.

FRUMENKOV, G. G. [Solovetskii Monastery and the defense of the White Sea region in the 16th-19th centuries] Solovetskii monastyr' i oborona Pomor'ia v XVI-XIX vekakh. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1963. 136 p.

GAL'PERIN, A. L. [Studies on the social and political history of Japan in the period of late feudalism] Ocherki sotsial'no-politicheskoi istorii IAponii v period pozdnego feodalizma. Moskva, Izd-vo vostochnoi lit-ry, 1963. 197 p.

GOLENISHCHEV-KUTUZOV, I. N. [Humanism of the Eastern Slavs (Ukraine and White Russia)] Gumanizm u vostochnykh slavian (Ukraina i Belorussiia). Moskva, Izd-vo Akad. nauk SSSR, 1963. 92 p. (Doklady sovetskoi delegatsii. V Mezhdunarodnyi s"ezd slavistov) [With summary in French]

GREKOV, I. B. [Studies on the history of the international relations of Eastern Europe in the 14th-16th centuries] Ocherki po istorii mezhdunarodnykh otnoshenii Vostochnoi Evropy XIV-XVI vv. Moskva, Izd-vo vostochnoi lit-ry, 1963. 373 p.

GUSEV, N. F. Vasil Kolarov. Moskva, Gospolitizdat, 1963. 62 p.

[HEROINES OF THE WAR; stories of the women who hold the title of Hero of the Soviet Union] Geroini voiny; ocherki o zhenshchinakh-Geroiakh Sovetskogo Soiuza. Moskva, Gospolitizdat, 1963. 718 p.

IAKOVLEV, N. N. [Riddle of Pearl Harbor] Zagadka Perl-Kharbora. Moskva, Izd-vo Akad. nauk SSSR, 1963. 146 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

IL'ENKO, NIKOLAI, comp. [We are from Soviet Tataria] My iz Sovetskoi Tatarii; sbornik statei. Kazan', Tatarskoe knizhnoe izd-vo, 1962. 340 p. (MH)

IONOV, P. P. [Notebook of an aircraft observer, 1918-1920] Zapiski letchika-nabliudatelia, 1918-1920 g. g. Moskva, Voenizdat, 1959. 165 p. illus. (CSt-H)

IRKAEV, M., IU. NIKOLAEV, and IA. SHARAPOV. [Outline history of Soviet Tajikistan, 1917-1957] Ocherk istorii Sovetskogo Tadzhikistana, 1917-1957 gg. Stalinabad, Tadzhikgosizdat, 1957. 502 p.

KALISTOV, D. P., and S. I. UTCHENKO, eds. [Ancient Greece] Drevniaia Gretsiia; kniga dlia chteniia. Izd. 3., dop. Moskva, Uchpedgiz, 1963. 338 p.

KASHNITSKII, I. V., and V. A. MESHCHERIAKOV. [A page of the struggle] Stranitsa bor'by. Vil'nius, Gos. izd-vo polit. i nauchn. lit-ry, 1962. 119 p. (CSt-H) (NIC)

KHLOBYSTINA, M. D. [Bronze knives in the Minusinsk District and some problems in the development of Kurasuk culture] Bronzovye nozhi Minusinskogo kraia i nekotorye voprosy razvitiia karasukskoi kul'tury. Leningrad, Ermitazh, 1962. 31 p. (MH)

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Leningradskii oblastnoi komitet. [On the 250th anniversary of Leningrad; abstracts] O dvukhsot piatidesiatiletii Leningrada, tezisy. [Leningrad] Lenizdat, 1957. 39 p. (MH)

KOSMINSKII, E. A. [Historiography of the Middle Ages from the 5th through the 19th century] Istoriografiia srednikh vekov, V v. - seredina XIX v.; lektsii. Pod red. S. D. Skazkina i dr. [Moskva] Izd-vo Mosk. univ., 1963. 429 p.

KOTLIAROV, V. I., and A. D. MARCHENKO. [Friendship strengthened through blood] Druzhba, skreplennaia krov'iu. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 214 p.

KULIEV, R. I. [Bulgarian impressions] Bolgarskie vpechatleniia. Baku, Azerbaichan dovlet neshrliiaty, 1962. 58 p. [In Azerbaijani]

KUYBYSHEV. DOM-MUZEI V. I. LENINA. [Guidebook] Putevoditel'. [Avtory teksta: T. N. Barkovskaia i G. E. Stepanova. Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963. 73 p.

LARIN, P. A. [Estonian Riflemen in the Great Patriotic War, the battle history of the Eighth Corps of Estonian Riflemen in the Soviet Army, 1941-1945] Eesti laskurkorpus suures isamaasojas, Noukogude armee 8. Eesti laskurkorpuse voitlustee, 1941-1945. Tallinn, Eesti Riiklik Kirjastus, 1962. 277 p. [In Estonian]
[MICROFILM]

LENINGRAD. UNIVERSITET. [Recent history of the countries of Asia and Africa] Noveishaia istoriia stran zarubezhnoi Azii i Afriki. [Leningrad] Izd-vo Leningr. univ. 1963. 613 p. (CSt-H)

LEVIDOVA, S. M., and S. A. PAVLOTSKAIA. Nadezhda Konstantinovna Krupskaia. Leningrad [Lenizdat] 1962. 296 p. (MiU)

LOPUKHOV, B. R. [Antonio Gramsci] Antonio Gramsci. Moskva, Izd-vo Akad. nauk SSSR, 1963. 90 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

LUCHANINOV, D. V. [In the snows near Moscow] V snegakh Podmoskov'ia; dokumental'naia povest'. Moskva, Gospolitizdat, 1963. 76 p. (Geroi i podvigi)

MARTINSON, ERVIN. [Servants of the swastika] Slugi svastiki. Tallinn, Estonskoe gos. izd-vo, 1962. 292 p. (MH)

MUGUEV, KHADZI-MURAT. [The stream of spring; reminiscences on the civil war] Vesenii potok; voennye memuary. Moskva, Sovetskii pisatel', 1961. 326 p.

MUSTAFAEV, ABDUL-BASIR M. [In fraternal unity; a from the Russian people is a decisive factor in the national renaissance of the peoples of Daghestan] V bratskom edinstve; pomoshch' russkogo naroda, reshaiushchii faktor v natsional'nom vozrozhdenii narodov Dagestana. [By] B. Mustafaev. Nakhachka Dagestanskoe knizhnoe izd-vo, 1960. 167 p. (MH)

NAROCHNITSKII, A. L., ed. [Modern history] Noval istoriia; uchebnik dlia pedagogicheskikh institutov. Moskva, Uchpedgiz.
Pt. I. 1640-1870. [By] S. N. Kan i dr. 1963. 731 p.
——— [Maps] Karty. 1962.

NASEDKIN, V. N. [Fifteen years of globetrotting] Piat nadtsat' let skitanii po zemnomu sharu. Moskva, Gos. izd-vo geogr. lit-ry, 1963. 147 p. (Puteshestviia, prikliuchenila, fantastika) (NIC)

NEMES, DEZSO. [Historical significance of the Hungarian Soviet Republic] Istoricheskoe znachenie Vengerskoi Sovetskoi Respubliki. [Budapest] Akademiai Kiado, 1960. 65 p. (Studia historica Academiae Scientiarum Hungaricae, no. 41) [With summary in French] (CtY)

NOVICHEV, A. D. [History of Turkey] Istoriia Turtsii. [Leningrad] Izd-vo Leningr. univ.
Pt. I. [The feudal period, from the 11th through the 18th century] Epokha feodalizma XI-XVIII veka. 1963. 313 p.

ORBELI, I. A. [Selected works] Izbrannye trudy. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1963. 663 p.

PAVLOVTSEV, P. L. [Unforgettable years, reminiscences of a participant in revolutionary events in the city of Cherepovets] Nezabyvaemye gody, vospominaniia uchastnika revoliutsionnykh sobytii v gor. Cherepovtse. [Vologda] Vologodskoe knizhn. izd-vo, 1962. 111 p. (CSt-H)

POLIANSKII, N. [The famous city of Polotsk, pages of its history] Slaven gorod Polotsk; stranitsy istorii. Minsk, Gos. izd-vo BSSR. Red. detskoi i iunosheskoi lit-ry, 1962. 389 p. (NN)

POROKH, I. V. [Hertzen and Chernyshevskii] Gertsen i Chernyshevskii. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 211 p.

PUTINTSEV, V. A. [Hertzen as writer] Gertsen—pisatel. Izd. 2., ispr. i dop., Moskva, Izd-vo Akad. nauk SSSR, 1963. 311 p.

RADVOLINA, I. M. [Until we meet again, friends! Essays] Do novoi vstrechi, druz'ia! Ocherki. Moskva, Sovetskii pisatel', 1963. 241 p.

REMEZOVSKII, I. D. [Revolutionary, public, and political work of the Ul'ianov family in the Ukraine; from the history of the Ukrainian and Crimean organizations of the Bolshevik Party, 1898-1921] Revoliutsionnaia i obshchestvenno-politicheskaia deiatel'nost' Ul'ianovykh na Ukraine, iz istorii bol'shevistskikh organizatsii Ukrainy i Kryma 1898-1921 gg. [Kiev] Izd-vo Kievskogo univ., 1963. 279 p.

RUSSIA (1923- U.S.S.R.) Ministerstvo vnutrennikh del. Upravlenie po Tul'skoi oblasti. Arkhivnyi otdel. [Consolidation of the Soviet regime in the Tula Government, documents and materials for the year 1918] Uprochenie Sovetskoi vlasti v Tul'skoi gubernii; sbornik dokumentov i materialov, god 1918. [Tula] Tul'skoe knizhnoe izd-vo, 1961. 437 p.
(NjP)

SABUROV, A. N. [Friends have the same roads] U druzei odni dorogi. Moskva, Voenizdat, 1963. 268 p.

SAVATEEV, P. N. [Attacks from the depths of the sea] Udary iz morskikh glubin. Moskva, Voen. izd-vo, 1961. 133 p. (Geroicheskoe proshloe nashei Rodiny)
(InU)

SELISHCHEV, I. P. [The Volga in flames] Volga v ogne. Moskva, Gospolitizdat, 1963. 110 p. (Stranitsy istorii Sovetskoi Rodiny)

SEMENOV, L. S. [Russia and international relations in the Middle East in the 1820's] Rossiia i mezhdunarodnye otnosheniia na Srednem Vostoke v 20-kh godakh XIX v. [Leningrad] Izd-vo Leningr. univ., 1963. 140 p.

SEMENOVSKII, O. V. [V. Vorovskii in Odessa] V. Vorovskii v Odesse. [Odessa] Odesskoe kn-vo, 1962. 116 p.

SEMIPALATINSK (Province) Arkhivnyi otdel. [For the Soviet rule, articles and reminiscences of the struggle to establish and consolidate the Soviet regime in Semipalatinsk Province] Za vlast' Sovetov, sbornik statei i vospominanii o bor'be za ustanovlenie i uprochenie Sovetskoi vlasti v Semipalatinskoi oblasti. Semipalatinsk, 1961. 249 p.
(MiU)

SHLEPAKOV, A. N. [During the years of the increasing menace of war, 1929-1940] V roky zrostannia voiennoi nebezpeki, 1929-1940. Kyiv, Derzhpolitvydav URSR, 1963. 52 p. (Ukrainu na mizhnarodnii arenі)

SHOVKOPLIAS, I. H. [The Stone Age within the territory of the Ukraine] Kam'ianyi vik na terytorii Ukrains'koi RSR. Kyiv, "Radians'ka shkola," 1962. 116 p.
(InU)

SHRAMKO, V. A. [Antiquities of the Severians in the Donets Valley] Drevnosti Severskogo Donтsa. Khar'kov, Izd-vo Gos. univ., 1962. 401 p.

SIDEL'NIKOV, S. I. [Conflicting trends in the first Bulgarian Revolutionary Central Committee] Bor'ba techenii v pervom Bolgarskom revoliutsionnom TSentral'nom komitete. Khar'kov, Izd-vo Khar'kovskogo univ. 1962. 115 p.

SIPRASHVILI, V. G. [The movement of St. Petersburg academic youth and the students of Georgian origin. Dvizhenie peterburgskoi uchashcheisia molodezhi i gruzinskoe studenchestvo. Tbilisi, Gos. izd-vo uchebno-pedagog. lit-ry "TSodna," 1961. 142 p. [In Georgian]

SOKOLOV, O. D. [At the outset of the workers' movement in Russia] Na zare rabochego dvizheniia v *Rossii. Moskva, Sotsekgiz, 1963.* 285 p.

[SOLDIER'S GLORY; essays on the bearers of the Order of Glory] Soldatskaia Slava; ocherki o kavalerakh ordena Slavy. Moskva, Gospolitizdat, 1963. 526 p.

SOLOSHENKO, V. I. [From the history of the dissemination of Marxism in White Russia; 1883-1904] Iz istorii rasprostraneniia marksizma v Belorussii; 1883-1904 gg. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 76 p.

SOLOV'EV, S. M. [Russian history from ancient times in 15 volumes] Istoriia Rossii s drevneishikh vremen v piatnadtsati knigakh. Moskva, Sotsekgiz, Book 9 (Vols. 17-18) 1963. 700 p.

SOROKIN, Z. A. [In the Arctic sky] V nebe Zapoliar'ia. Moskva, Izd-vo DOSAAF, 1963. 159 p.

[STUDIES ON THE MODERN AND THE MOST RECENT HISTORY OF HUNGARY] Ocherki novoi i noveishei Vengrii. Moskva, Izd-vo sotsial'no-ekonomicheskoi lit-ry, 1963. 413 p.

TRETIAKOV, P. N., and E. A. SHMIDT. [Ancient towns in Smolensk Province] Drevnie gorodishcha Smolenshchiny. Moskva, Izd-vo Akad. nauk SSSR, 1963. 191 p.

TRUKAN, G. A. [An Rudzutak. Moskva, Gospolitizdat, 1963. 94 p.

USPENSKII, L. V., and K. N. SHNEIDER. [The riddles of history, studies on archaeology] Za semiu pechatiami; ocherki po arkheologii. Izd. 2., dop. [Moskva], Molodaia gvardiia, 1963. 295 p.

UZDAVINYS, V. [Tragedy of the village of Pirciupiai] Tragedija sela Pirchiupis. Vil'nius, Gospolitnauchizdat, 1963. 53 p.

VERSHIGORA, P. P., and V. A. ZEBOLOV. [Guerilla raids, history of the guerilla movement during the Great Patriotic War of the Soviet Union, 1941-1945] Partizanskie reidy; iz istorii partizanskogo dvizheniia v gody Velikoi Otechestvennoi voiny Sovetskogo Soiuza, 1941-1945 gg. Kishinev, Izd-vo "Shtiintsa," Akad. nauk MSSR, 1962. 135 p.
(NIC)

VLADIMIROV, V. P. [Journey into the far-off and near past] Puteshestvie v dalekoe i blizkoe. Moskva, Sovetskaia Rossiia, 1963. 276 p.

VOLODIN, P. M. [The Kutuzov cottage] Kutuzovskaia izba. Izd. 2., dop. [Moskva] Moskovskii rabochii, 1962. 42 p. (Po muzeiam i vystavkam Moskvy i Podmoskov'ia)
(MiU)

VOZ'NYI, MYKHAILO, ed. [Horodnytsia; memoirs of a village on the Zbruch River in the Ukraine] Horodnytsia; propamiatna knyha sela nad Zbruchem v Ukraini. Toronto, Canada, Nakl. Dopomohovoho tovarystva odnosel'chan s Horodnytsia v Torontі-Oshavi, 1958. 157 p. illus. [With summary in English]
(MiD)

5. SOCIAL SCIENCES

ABDULLAEV, Z. Z. [Beginning of U. S. expansion in *Iran] Nachalo ekspansii SShA v Irane.* Moskva, Izd-vo vostochnoi lit-ry, 1963. 96 p.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut ekonomiki. [Food industry of Kazakhstan] Pishchevaia promyshlennost' Kazakhstana. Alma-Ata, Izd-vo AN KazSSR, 1963. 172 p.

AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze. Institut ekonomiki. [Problems in the industrial economics of Kirghizistan] Voprosy ekonomiki promyshlennosti Kirgizii. Frunze, Akad. nauk Kirgizskoi SSR., Vol. 2. 1961.
(MiU)

AKADEMIIA NAUK SSSR. Institut gosudarstva i prava. [The imperialist state and capitalist economy] Imperialisticheskoe gosudarstvo i kapitalisticheskoe khoziaistvo. [By] I. D. Lovin i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 350 p.

AKADEMIIA NAUK SSSR. Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii. [Agricultural cooperation under the conditions of capitalism] Sel'skokhoziaistvennaia kooperatsiia v usloviiakh kapitalizma. Moskva, Sotsekgiz, 1963. 350 p.

AKADEMIIA NAUK SSSR. Institut narodov Azii. [Studies in the building of socialism in the Korean People's Democratic Republic] Ocherki sotsialisticheskogo stroitel'stva v Koreiskoi Narodno-Demokraticheskoi Respublike. Moskva, Izd-vo vostochnoi lit-ry, 1963. 288 p.

AKADEMIIA NAUK URSR, Kiev. Instytut ekonomiky. [Economic bases of the transition to communism of the countries of the world socialist system] Ekonomichni osnovy perekhodu krain svitovoi sotsialistychnoi systemy do komunizmu. Kyiv, vyd-vo Akad. nauk URSR, 1963. 265 p.

AKADEMIIA NAVUK BSSR, Minsk. Instytut ekonomiki. [Economic effectiveness of processing agricultural raw materials on collective and state farms] Ekanamichnaia efektyunasts' perapratsouki sel'skahaspadarchai syravіny u kalhasnkh i sauhasnkh. Minsk, 1963. 108 p.
(DNAL)

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Nauchno-issledovatel'skii institut ekonomiki stroitel'stva. [Recommendations for operational planning in construction organizations] Rekomendatsii po operativnomu planirovaniiu v stroitel'nykh organizatsiiakh. Moskva, Gosstroiizdat, 1963. 19 p.

AKULOV, M. R., and A. S. MOSKOVSKII. [Trade uni of Western Siberia] Profsoiuzy Zapadnoi Sibiri. [Moskva] Profizdat, 1962. 141 p.
(CSt-H)

ANDREEV, B. I., and others. [Distribution of the branches of light industry in the U. S. S. R.] Razmeshchenie otraslei legkoi promyshlennosti SSSR. M skva, In-t narodnogo khoz., 1963. 136 p.

ANKUDINOVA, L. E. [Nationalization of industry in U. S. S. R., 1917-1920] Natsionalizatsiia promysl nosti v SSSR (1917 - 1920 gg.), uchebnoe posobie. [Leningrad] Izd-vo Leningr. univ. 1963. 141 p.

AREF'EVA, G. S., and E. N. LYSMANKIN. [Classes class struggle] Klassy i klassovaia bor'ba. Mosk Gospolitizdat, 1963. 41 p. (Metodicheskie sovety filosofii)

ATAKISHIEV, A. M. [Efforts to strengthen the allian of workers and peasants in Azerbaijan during the construction of the national economy, 1921-1925] Khalg teserrufatynyn berpasy dovrunde Azerbajcha fehle sinfi ittifagynyn mohkemlendir mesi ugrunda muralize, 1921-1925-chi iller. Baky Azerbaichan dovlet neshrilaty, 1961. 177 p. [In A baijani]

AVETISIAN, V. A. [A page from the history of the l. movement in Armenia, 1896-1900] Stranitsa iz ist rabochego dvizhenila v Armenii, 1896-1900. Ere Izd-vo AN Armianskoi SSR, 1961. 116 p. [In Arm and Russian]

BAIBAKOV, N. K. [The Kuban makes strides toward future] Kuban' shagaet v budushchee. [Krasnodar Krasnodarskoe knizhnoe izd-vo, 1963. 66 p.

BARMIN, V. V. [Analysis of managerial operations municipal enterprises] Analiz khoziaistvennoi dei nosti kommunal'nykh predpriiatii. Moskva, Gosfi izdat, 1963. 74 p. (V pomoshch' finansovomu rabotniku)

BERGAUZ, L. A. [Practical aid for computing varie supplementary wage payments to workers and employees] Prakticheskoe posobie po nachisleniiu raznykh doplat k zarabotnoi plate rabochikh i sluzh shchikh. Moskva, Gosgortekhizdat, 1963. 150 p.

BORKIN, A. S., and B. I. BRODSKII. [Mafia] Mafiia Moskva, Izd-vo "Znanie," 1963. 79 p. (Prochit, tovarishch!)

BUKHANEVICH, B. A. [Factors contributing to the growth of labor productivity and the calculation of their influence] Faktory rosta proizvoditel'nosti truda i raschet ikh vliianiia. Moskva, Ekonomizd 1963. 85 p.

[CENTRAL DEPARTMENT STORE] TSentral'nyi Univermag. Moskva, [1959] 95 p.

CHERDANTSEV, G. N. [Economic geography of the U. S. S. R.; Soviet socialist republics: the Ukraine Moldavia, White Russia, Lithuania, Latvia, Esto Georgia, Azerbaijan, Armenia, Kazakhstan, Uzb stan, Kirghizistan, Tajikistan, and Turkmenistan Ekonomicheskaia geografiia SRSR; Radians'ki sotsialі respubliky: Ukrains'ka, Moldavs'ka, Biloru Lytovs'ka, Latvis'ka, Estons'ka, Gruzins'ka, Azerbaidzhans'ka, Virmens'ka, Kazakhs'ka, Uzb ts'ka, Kirgiz'ka, Tadzhits'ka, Turkmens'ka. Pi red. G. N. Cherdantsova, M. P. Nikitina, B. O. Tu na. Kyiv, Radians'ka shkola, 1001. 364 p.
(IU)

CHEREDNICHENKO, E. T., ed. [Competition for com nist labor in railroad transportation] Sorevnovan kommunisticheskii trud na zheleznodorozhnom tr sporte. Moskva, Transzheldorizdat, 1963. 156 p.

CHERKOVETS, V. N. [Socialism stands first] Soia derzhit pervenstvo. Moskva, Izd-vo "Znanie," 1 44 p. (Narodnyi universitet kul'tury: Tekhniko-e micheskii fakul'tet, no. 6)

[THE CPSU ON TRADE UNIONS, 1956-1962] KPSS o profsoiuzakh, 1956-1962. [Moskva] Profizdat *1963.* 534 p.

DANILOV, A. D. [Economic regions of the central northwestern parts of the R. S. F. S. R.] Ekonomi skie raiony TSentra i Severo-Zapada RSFSR; uch posobie. Moskva, Mosk. In-t narodnogo khoz., 143 p.

[DECLARATION UNMASKING AND CONDEMNING AGGRESSIVE AND PREDATORY NATURE OF T "AID" OF THE AMERICAN IMPERIALISTS TO S KOREA] Zaiavlenie, razoblachaiushchee i osuz shchee *agressivnuiu i grabiteľskuiu sushchnost'* "pomoshchi" amerikanskikh imperialistov IUzh Koree. Pyongyang, KNDR, 1963. 36 p.

DOLGUSHEVSKII, F. G., ed. [Problems in economic statistics] Sbornik zadach po ekonomicheskoi statistike. [By] F. G. Dolgushevskii i dr. Moskva, Gosstatizdat, 1963. 311 p.

[ECONOMIC CONDITIONS OF CAPITALIST COUNTRIES, survey of economic trends in 1961 and the beginning of 1962] Ekonomicheskoe polozhenie kapitalisticheskikh stran; kon'iunkturnyi obzor za 1961 g. i nachalo 1962 g. Moskva, Izd-vo "Pravda," 1962. 157 p.

[ECONOMIC CONDITIONS OF CAPITALIST COUNTRIES; survey of economic trends in 1962 and the beginning of 1963] Ekonomicheskoe polozhenie kapitalisticheskikh stran; kon'iunkturnyi obzor za 1962 g. i nachalo 1963 g. Moskva, Izd-vo "Pravda," 1963. 157 p.

[ECONOMICS, ORGANIZATION, AND PLANNING OF ELECTRIC TRANSPORT] Ekonomika, organizatsiia i planirovanie elektrotiagovogo khoziaistva. [By] E. D. Levashev i dr. 2., perer. izd. Moskva, Transzheldorizdat, 1963. 286 p.

EKONOMICHESKAIA KONFERENTSIIA, Vilna, 1962. [Economics of the construction industry in Vilnius] Ekonomika stroitel'stva v g. Vilnius, materialy Vilnius, Gos. izd-vo polit. i nauchn. lit-ry, 1963. 119 p.

GALKIN, V. A. [In Yemen, Soviet physician's notes] V Iemene, zapiski sovetskogo vracha. Moskva, Izd-vo vostochnoi lit-ry, 1963. 104 p.

GAVRILOV, I. N. [Master of the state] Khoziaika derzhavy. [Riazan'] Riazanskoe knizhnoe izd-vo, 1960. 44 p.

[GROUPS TO COOPERATE WITH THE ORGANS OF THE PARTY-STATE CONTROL] Gruppy sodeistviia partgoskontroliu. Moskva, Gospolitizdat, 1963. 119 p.

GUREVICH, S. M. [V. I. Lenin and the statistics of the socialist state] V. I. Lenin i statistika sotsialisticheskogo gosudarstva. Moskva, Gosstatizdat, 1963. 181 p.

GVELESIANI, M. G. [Problems in computing the cost of collective-farm production and the level of mechanization of agricultural work] Voprosy ischisleniia sebestoimosti kolkhoznoi produktsii i urovnia mekhanizatsii sel'skokhoziaistvennykh rabot. Tbilisi, 1963. 132 p. [In Georgian]
(DNAL)

GVOZDEV, N. N. [Each for society, society for each; a popular story on the law of distribution in the period of transition from the socialist to the communist economy] Kazhdyi - obshchestvu, obshchestvo - kazhdomu, populiarnyi rasskaz o zakone raspredeleniia v period perekhoda ot sotsialisticheskoi ekonomiki k kommunisticheskoi. Moskva, Ekonomizdat, 1963. 62 p.

HNYP, P. I. [Development of gasification in the Ukraine] Rozvytok gazyfikatsii Ukrainy, istoryko-tekhnichnyi narys. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 178 p.

IL'IN, M. A. [The condition necessary for the triumph of communism] Neobkhodimoe uslovie pobedy kommunizma. Moskva, Gospolitizdat, 1962. 64 p. (Ekonomicheskie znaniia - trudiashchimsia sela)
(CSt-H)

IL'IN, S. A. [Economics of potato growing] Ekonomika proizvodstva kartofelia. Moskva, Sel'khozizdat, 1963. 204 p.

KABANOV, P. I., and R. K. ERMAN. [Morozov strike of 1885] Morozovskaia stachka 1885 goda; posobie dlia uchitelia. Moskva, Uchpedgiz, 1963. 113 p.

KAPUSTIN, V. P. [Transportation of fruit, vegetables, and potatoes] Transportirovka plodov, ovoshchei i kartofelia. Moskva, Sel'khozizdat, 1963. 182 p.

KAZHLAEV, N. G. [Increasing the efficiency of capital investments] Povyshenie effektivnosti kapital'nykh vlozhenii. Moskva, Ekonomizdat, 1963. 204 p.

KHASIA, B. A. [Development of socialist agriculture in Georgia] Razvitie sotsialisticheskogo zemledeliia v Gruzii. Tbilisi, Akad. nauk Gruzinskoi SSR. (In Georgian)
Vol. 1. 1962.
(MH)

KHMELIVS'KA, V. S. [Raising the cultural and technological level of the working class; based on materials of the metallurgical plants in Ukraine, 1959-1961] Pidnesennia kul'turno-tekhnichnoho rivnia robitnychoho klasu; na materialakh pidpryiemstv metalurgiinoi promyslovosti Ukrainy v 1959-1961 rr. Kyiv, Vyd-vo AN URSR, 1963. 84 p.

KHODZHAEV, EMUT. [Communism and intelligentsia] Kommunizm i intelligentsiia. Ashkhabad, Turkmenskoe gos. izd-vo, 1962. 151 p.

KORNILOV, N. [Geopolitical mutation] Geopoliticheskaia mutatsiia. São Paulo, Braziliia, Knizhnyi magazin S. Rozov
Pt. 1. 1958
(NNC)

KORSHUNOV, I. V., A. A. AGAEVA, and N. K. VANCHAKOVA. [Efficiency of capital investments and technological innovations in the petroleum industry] Voprosy effektivnosti kapitalovlozhenii i novoi tekhniki v neftianoi promyshlennosti. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1961. 134 p.

KOSTROMIN, G. I. [National economic significance of financial planning] Narodnokhoziaistvennoe znachenie finansovogo planirovaniia. Moskva, Gosfinizdat, 1963. 94 p.

KOVYLIN, V. A. [The turnover tax on industrial goods] Nalog s oborota po promyshlennym tovaram. Moskva, Gosfinizdat, 1963. 239 p.

KOZHEVNIKOV, M. P. [Machines for sorting and counting coins] Mashiny dlia sortirovki i perescheta monety; prakticheskoe posobie. Moskva, Gosfinizdat, 1963. 70 p.

KOZLOV, IU. M. [Administration in the field of social and cultural development] Upravlenie v oblasti sotsial'no-kul'turnogo stroitel'stva; uchebnoe posobie po sovetskomu administrativnomu pravu. [Moskva] Izd-vo Mosk. univ., 1963. 82 p.

KUDRATOV, D. G. [Development of state farms in Azerbaijan during the first five-year plan, 1928-1932. Sovkhoznoe stroitel'stvo v Azerbaidzhane v pervoi piatiletke, 1928-1932 gg. Baku] 1962. 179 p. [In Azerbaijani]
(MH)

KUNGURTSEV, V. [Communist party and peasantry] Kommunisticheskaia partiia i krest'ianstvo. "Frankfurt/Main, Possev-Verlag, 1960. 63 p.
(MH) (MIDW)

LARIONOV, K. A., and P. A. KASHUTIN, eds. [Economics] Politicheskaia ekonomiia, uchebnoe posobie. Moskva, Sotsekgiz, 1963. 430 p.

LEGAS', I. [Everything in the name of man, and for the good of man; activities of the Communist Party in raising the material welfare of collective farmers during the period of 1953-1962] Vse vo imia cheloveka, dlia blaga cheloveka; deiatel'nost' Kommunisticheskoi partii po dal'neishemu povysheniiu material'nogo blagosostoianiia kolkhoznogo krest'ianstva v period 1953-1962 godov. Po materialam Moldavskoi SSR. Kishinev, "Kartia moldoveniaske," 1962. 40 p.

LENINGRAD, Ispolnitel'nyi komitet. [Public service enterprises; a promotional handbook on the city of Leningrad] Predpriiatiia bytovogo obsluzhivaniia; reklamnyi spravochnik po gorodu Leningradu. [Leningrad] 1963. 109 p.

LENINGRAD, UNIVERSITET. [Characteristics action of the laws of dialectics during the transition period to communism] Osobennosti deistvitia zakonov dialektiki v period perekhoda k kommunizmu. [Leningrad] Izd-vo Leningr. univ., 1963. 122 p.

LENINGRAD (Province) Gosudarstvennyi arkhiv Oktiabr'skoi revoliutsii i sotsialisticheskogo stroitel'stva. [A generation of shock workers; a collection of documents and materials on socialist competition in Leningrad industrial plants in 1928-1961] Pokolenila udarnikov; sbornik dokumentov i materialov o sotsialisticheskom sorevnovanii na predpriiatiiakh Leningrada v 1928-1961 gg. [Leningrad] Lenizdat, 1963. 454 p.

LIBERMAN, V. B. [Mechanization of production planning] Mekhanizatsiia proizvodstvennogo planirovaniia. Moskva, Ekonomizdat, 1963. 166 p.

LISTVIN, V. F. [Planned development of socialist production] Planomernoe razvitie sotsialisticheskogo proizvodstva, lektsiia po kursu politicheskoi ekonomii. [Saratov] Izd-vo Saratovskogo univ., 1963. 58 p.

LIUBASHCHENKO, I. G. [Solid, safe, lasting] Prochno, nadezhno, dolgovechno. Moskva, Izd-vo "Znanie," 1963. 31 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no. 7)

LIUBSKII, M. S., and G. O. SOKOL'NIKOV. [Penetration of the imperialism of the German Federal Republic in underdeveloped countries] Proniknovenie imperializma FRG v slaborazvitye strany. Moskva, Sotsekgiz, 1963. 180 p.

LOHVYNENKO, V. K. [Production relations between collective farms] Mizhkolhospni vyrobnychi zv'iazky. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1961. 56 p.
(WU)

MAKSIMENKO, G. D. [Features of an analysis of the operation of a coal mine] Osobennosti analiza raboty ugol'noi shakhty. Moskva, Gosfinizdat, 1963. 63 p. (V pomoshch' finansovomu rabotniku)

MANTSEV, V. I. [Monopoly profit and monopoly price] Monopol'naia pribyl' i monopol'naia tsena. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 96 p.

[MANUAL ON LABOR PROTECTION, SAFETY ENGINEERING AND INDUSTRIAL SANITATION IN THE FOOD INDUSTRY, collection of resolutions, regulations and norms. In three volumes] Spravochnik po okhrane truda, tekhnike bezopasnosti i proizvodstvennoi sanitarii v pishchevoi promyshlennosti, sbornik postanovlenii, pravil i norm. V trekh tomakh. Moskva, Pishchepromizdat.
Vol. 1. 1963. 569 p.

MINTS, A. A. [Central Industrial Region; a study of its economic geography] TSentral'nyi raion, ekonomiko-geograficheskii ocherk. Posobie dlia uchitelei. Moskva, Uchpedgiz, 1963. 180 p.

MIROSHNIKOV, P. S. [Utilization of internal production potentials, based on the practice of the Kharkov Electric Equipment Plant] Ispol'zovanie vnutriproizvodstvennykh rezervov, na opyte Khar'kovskogo elektromekhanicheskogo zavoda [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 84 p.

MISHCHENKO, V. I. [Planning efficiency promotion work in enterprises] Planirovanie ratsionalizatorskoi raboty na predpriiatiiakh. [Moskva] Profizdat, 1963. 60 p.

MITIN, S. A., M. I. BORODIN, and N. A. NAUMOV. [Tables for determining wages in a construction brigade] Tablitsy dlia vnutribrigadnogo rascheta zarabotnoi platy v stroitel'stve. Moskva, Gosstroiizdat, 1963. 530 p.

MOROZOV, N. S., and A. T. POLUKAROV. [Gradual transformation of socialist production relations into communist ones] Postepennoe pererastanie sotsialisticheskikh proizvodstvennykh otnoshenii v kommunisticheskie. [Moskva] Rozvuzizdat, 1963. 50 p.

MOSCOW, INSTITUT MEZHDUNARODNYKH OTNOSHENII. [Organization and technique of the foreign trade of the U. S. S. R. and other socialist countries] Organizatsiia i tekhnika vneshnei torgovli SSSR i drugikh sotsialisticheskikh stran; uchebnoe posobie pod red. B. S. Vaganova. Moskva, 1963. 343 p.

NARODNO-TRUDOVOI SOIUZ. [Brief course in economics] Kratkii kurs politicheskoi ekonomii. Pod obshchei red. L. L. Zal'tsberga. [Frankfurt-na-Maine, Sots. ekonom. seminar NTS] 1958. 177 p.
(MH)

NAUCHNOE SOVESHCHANIE PO PRIMENENIIU MATEMATICHESKIKH METODOV V EKONOMICHESKIKH ISSLEDOVANIIAKH, Moscow, 1960. [Transactions of the Conference on the Application of Mathematical Methods in Economic Research] Trudy. Moskva, Akad. nauk SSSR.
Vol. 2. [Mathematical analysis of expanded capital reproduction] Matematicheskii analiz rasshirennogo vosproizvodstva. 1962. 266 p.
(CStmoR)

NIKOLAYEV (Province). Statisticheskoe upravlenie. [The economy of Nikolayev Province; statistical abstract] Narodnoe khoziaistvo Nikolaevskoi oblasti; statisticheskii sbornik. Nikolaev, 1962. 173 p.
(MH)

OMAROV, A. M. [Technical, industrial, and financial plan for enterprises of local industry] Tekhpromfinplan predpriiatiia mestnoi promyshlennosti. Moskva, Gos. izd-vo mestnoi promyshl. i khudozh. promysłov RSFSR, 1962. 142 p.
(NIC)

OSIPOV, B. A. [Reproduction and ways of efficient utilization of timber resources in the Maritime Territory] Vosproizvodstvo i puti ratsional'nogo ispol'zovaniia lesosyr'evykh resursov Primorskogo kraia. Vladivostok, Akad. nauk SSSR, 1961. 33 p.

OSTROVERKH, N. F. [Ways for increasing agricultural labor productivity, based on the materials of the collective farms of the Ukrainian S. S. R.] Puti povysheniia proizvoditel'nosti sel'skokhoziaistvennogo truda; na materialakh kolkhozov Ukrainskoi SSR. Kiev, Izd-vo AN USSR, 1963. 239 p.

PETUKHOV, V. M. [Work organization of taxi transportation in Leningrad] Organizatsiia raboty legkovogo taksomotornogo transporta v Leningrade. Moskva, Avtotransizdat, 1963. 41 p. (Obmen tekhnicheskim opytom avtotransportnykh predpriiatii)

PILIPENKO, N. V. [General principles of the building of socialism and communism and their individual manifestations in various countries] Ob obshchikh zakonomernostiakh stroitel'stva sotsializma i kommunizma i svoeobrazii ikh proiavleniia v raznykh stranakh. Moskva, Vysshaia shkola, 1963. 83 p. (Materialy i lektsii po filosofii)

PISKOPPEL', F. G., and I. S. POTAPOV, eds. [Foreign trade of capitalist countries] Vneshniaia torgovlia kapitalisticheskikh stran. [By] I. S. Potapov i dr. Moskva, Vneshtorgizdat, 1963. 456 p.

POPOV, P. F. [Natural conditions and resources of Irkutsk Province] Prirodnye usloviia i bogatstva Irkutskoi oblasti. Izd. 3, ispr. i dop. Irkutsk, Irkutskoe knizhnoe izd-vo, 1963. 37 p.

RABINOVICH, P. M. [Statistical methods for studying the production potentials of an industrial enterprise, elements of technological statistics] Statisticheskie metody issledovaniia proizvodstvennykh rezervov promyshlennogo predpriiatiia, elementy tekhnologicheskoi statistiki. Moskva, Gosstatizdat, 1963. 225 p.

RACHKOV, P. A. [Science and social progress] Nauka i obshchestvennyi progress. [Moskva] Izd-vo Moskovskogo univ. 1963. 329 p.

RADISHCHEV, A. N. [Journey from St. Petersburg to Moscow] Puteshestvie iz Peterburga v Moskvu. [n. p.] Gos. izd-vo detskoi lit-ry, 1962. 237 p. (Shkol'naia biblioteka)
(NUC)

RAGIMOV, A. D. [Abolition of landowner estates in Azerbaijan in 1920] Likvidatsiia pomeshchich'ego zemlevladeniia v Azerbaidzhane v 1920 godu. Baku, Akad. nauk Azerbaidzhanskoi SSR, 1962. 210 p. [In Azerbaijani]
(MH)

REGIONAL'NOE SOVESHCHANIE PO VOPROSAM EKONOMIKI KOLKHOZOV GORNYKH RAIONOV, Baku, 1958. [Materials of the Regional Conference on Problems in the Economics of Collective Farms in Mountainous Districts] Materialy. Baku, Akad. nauk Azerbaidzhanskoi SSR, 1961. 168 p.
(MH)

RUBINSHTEIN, B. I. [Grain transportation, from the practices of the Kustanay Section of the Kazakh Railroad] Opyt perevozok zerna, iz praktiki Kustanaiskogo otdeleniia Kazakhskoi dorogi. Moskva, 1963. 36 p.

RUSSIA (1923- U.S.S.R.) Ministerstvo sviazi. [Moscow City telephone directory] Spisok abonentov Moskovskoi gorodskoi telefonnoi seti. Moskva, Izd-vo Upr. Mosk. gor. telefonnoi seti,
Pt. 1. [Telephone numbers of organizations, institutions, and enterprises] Telefony organizatsii, uchrezhdenii i predpriiatii. 1962. 456 p.
(CStmoR)

RUSSIA (1923- U.S.S.R.) TSentral'noe statisticheskoe upravlenie. [Results of the all-Union 1959 population census; the R.S.F.S.R.] Itogi Vsesoiuznoi perepisi naseleniia 1959 goda; RSFSR. Moskva, Gosstatizdat, 1963. 455 p.

RUSSIA (1923- U.S.S.R.) TSentral'noe statisticheskoe upravlenie. [Results of the all-Union 1959 population census, the Turkmen S.S.R.] Itogi Vsesoiuznoi perepisi naseleniia 1959 goda; Turkmenskaia SSR. Moskva, Gosstatizdat, 1963. 149 p.
[MICROFILM]

RUSSIA (1923- U.S.S.R.) Upravlenie konteinernykh perevozok i transportno-ekspeditsionnykh operatsii. [Supplement to the list of stations handling of receiving and delivery of containers as of July 15th, 1955] Prilozhenie k perechniu stantsii, proizvodiashchikh operatsii po priemu i vydache konteinerov po sostoianiiu na 15 iiulia 1955 g. [Moskva] Transzheldorizdat, 1955. 6 p.

SAMOSHINA, Z. G. [Identification of criminals by some traits of their external appearance] Kriminalisticheskoe otozhdestvlenie cheloveka po priznakam vneshnosti; lektsiia dlia studentov iuridicheskikh vuzov. [Moskva] Izd-vo Mosk. univ. 1963. 37 p.

SEMEVSKII, B. N. [The United States of America; an outline of its economic geography] Soedinennye Shtaty Ameriki, ekonomiko-geograficheskii ocherk. Posobie dlia uchitelei. Moskva, 1963. 294 p.

[THE SEVEN-YEAR PLAN, 1961-1967] Semiletnii plan, 1961-1967. Pyongyang, Izd-vo lit-ry na inostr. iazykakh, 1962. 1 v. (chiefly illus.)

S"EZD ZHENSHCHIN UZBEKISTANA. 2d, Tashkent, 1961. [Verbatim report of the Second Congress of the Women of Uzbekistan] Stenograficheskii otchet. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1962. 160 p.
(MiU)

SHISTER, E. L. [Intrafactory business accounting and the economy of communal labor] Vnutrizavodskoi khozraschet i ekonomiia obshchestvennogo truda. Moskva, Izd-vo ekon. lit-ry, 1962. 120 p.
(NIC)

SHKHAGOSHEV, SHOTA. [Communists of the Kabardino-Balkar A.S.S.R. in the struggle to improve the material well-being and to raise cultural level of the workers, 1953 to 1960] Kommunisty Kabardino-Balkarii v bor'be za povyshenie material'nogo blagosostoianiia i kul'turnogo urovnia trudiashchikhsia, 1953-1960 gg. Nal'chik, Kabardino-Balkarskoe knizhn. izd-vo, 1961. 111 p.
(CSt-H)

SIDORENKO, M. V. [Utilization of gas in Europe; technical and economic survey] Ispol'zovanie gaza v Evrope, tekhniko-ekonomicheskii obzor. Moskva, Gostoptekhizdat, 1963. 110 p.

[SIGNS OF THE TIMES] Primety vremeni. Moskva, Sovetskaia Rossiia, 1963. 294 p.

SMIRNOV, G. P. [Organization of automotive transportation in construction and industry] Organizatsiia raboty avtomobil'nogo transporta na stroitel'stve i v promyshlennosti. Moskva, Avtotransizdat, 1963. 97 p. (Obmen tekhnicheskim opytom avtotransportnykh predpriiatii)

SMIRNOV, V. I. [Along the rivers of three countries] Po rekam trekh stran. [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1962. 49 p.
(MH)

SOKOLOVA, E. S., and V. A. TABORKO. [All-Union Pioneer Organization, pages from its history] Vsesoiuznaia pionerskaia organizatsiia imeni V. I. Lenina; stranitsy istorii. Moskva, Akad. pedagog. nauk RSFSR, 1963. 94 p. (Uchiteliu o pionerskoi rabote)
(CSt-H)

SOVESHCHANIE PO VOPROSAM STAROSTI I DOLGOLETIIA, Moscow, 1960. [Problems of old age and longevity] Problemy dolgoletiia, trudy. Moskva, Izd-vo Akad. nauk SSSR, 1962. 225 p.
(DBC)

STALINGRADSKII TRAKTORNYI ZAVOD IMENI DZERZHINSKOGO. [The millionth tractor; on the occasion of the 30th anniversary of the Stalingrad Tractor Plant] Millionnyi traktor, k 30-letiiu Stalingradskogo traktornogo zavoda (1930-1960). [Stalingrad] Stalingradskoe knizhnoe izd-vo, 1960. 94 p.

STEPANOV, L. V., and G. I. MIRSKII. [Asia and Africa, continents in motion] Aziia i Afrika—kontinenty v dvizhenii. Moskva, Izd-vo vostochnoi lit-ry, 1963. 127 p.

STOLPOVSKII, B. G. [The German Democratic Republic is building socialism] GDR stroit sotsializm. Moskva, Gospolitizdat, 1962. 93 p.

[TAX COLLECTOR'S MANUAL] Spravochnik nalogovogo rabotnika. Moskva, Gosfinizdat, 1963. 280 p.

TEORETICHESKAIA KONFERENTSIIA "PROBLEMY OPTIMAL'NOGO PLANIROVANIIA, PROEKTIROVANIIA I UPRAVLENIIA PROIZVODSTVOM, 1962. [Problems of the optimal planning, projection and administration of production] Problemy optimal'nogo planirovaniia, proektirovaniia i upravleniia proizvodstvom; trudy teoreticheskoi konferentsii, sostoiavshegosia na ekonomicheskom fakul'tete MGU v marte 1962. Moskva, Izd-vo Mosk. univ., 1963. 546 p.

TIKHONOV, I. A., and V. P. SHCHEDRENOK. [Main economic task and technological progress in the U.S.S.R.] Glavnaia ekonomicheskaia zadacha i tekhnicheskii progress v SSSR. Moskva, Ekonomizdat, 1963. 246 p.

TIMOFEEVA, Z. N., and others. [The International Child Protection Day; figures and facts] Mezhdunarodnyi den' zashchity detei; tsifry i fakty. Moskva, Izd-vo "Znanie," 1963. 42 p. (V pomoshch lektory)

TKACHEV, S. I. [Development of interfarm cooperation in Kazakhstan] Razvitie mezhkolkhoznykh proizvodstvennykh sviazei v Kazakhstane. Alma-Ata, Kazakhskoe gos. izd-vo, 1963. 98 p.
(MH) (NIC)

TSERETELI, B. SH. [Agricultural traumatism in the Georgian S.S.R. and measures for its control] Sel'skokhoziaistvennyi travmatizm v Gruzinskoi SSR i mery bor'by s nim. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1962. 203 p.

TUNKEL', I. R., and V. E. TIUKKEL' [The sun, the sea, and us] Solntse, more i my. Avtor teksta i khudozhnik al'boma I. Dolgopolov. [Moskva] Izd-vo TsK VLSM "Molodaia gvardiia," 1963. 126 p. (chiefly illus.) [Text in 5 languages]

UDACHIN, S. A. [The land resources of the U.S.S.R. and their use] Zemel'nyi fond SSSR i ego ispol'zovanie. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1960. 249 p.
(MiU)

UKRAINE. Statisticheskoe upravlenie. [Soviet trade in the Ukrainian S.S.R.; statistical abstracts] Radians'ka torhivlia v Ukrains'kii RSR, statystychnyi zbirnyk. Kyiv, Derzh. stat. vyd-vo, 1963. 318 p.

UL'IANOVSKII, R. A. [The neocolonialism of the U.S.A. and the underdeveloped countries of Asia] Neokolonializm SShA i slaborazvitye strany Azii. Moskva, Izd-vo vostochnoi lit-ry, 1963. 342 p.

[THE UNION OF SOVIET SOCIALIST REPUBLICS: basic facts and figures] Soiuz Sovetskikh Sotsialisticheskikh Respublik, osnovnye tsifry i fakty. Moskva, Izd-vo lit-ry na inostr. iazykakh, 1963. 86 p.

VASIL'EV, S. S. [Economics of public food service] Ekonomika obshchestvennogo pitaniia. Moskva, Gos. izd-vo torg. lit-ry, 1963. 430 p.

VESELOV, N. G. [Ways to utilize the production funds of an enterprise to better advantage] Puti luchshego ispol'zovaniia proizvodstvennykh fondov predpriiatiia. Izd. 2. Moskva, Metallurgizdat, 1963. 40 p. (Osnovy ekonomiki predpriiatii chernoi metallurgii)

VILENSKII, M. A. [Electrification of the U.S.S.R. and the distribution of productive forces] Elektrifikatsiia SSSR i razmeshchenie proizvoditel'nykh sil. Moskva, Sotsekgiz, 1963. 245 p.

VOLCHKOV, B. A. [Development of industry and the creation of the material and technical base of communism] Razvitie promyshlennosti i sozdanie material'no-tekhnicheskoi bazy kommunizma. Moskva, Ekonom izdat, 1963. 81 p. (V pomoshch' propagandistam i slushateliam seti partiinogo prosveshcheniia)

VOLGOGRAD (Province) Statisticheskoe upravlenie. [The economy of Volgograd Province, statistical abstract] Narodnoe khoziaistvo Volgogradskoi oblasti, statisticheskii sbornik. Saratov, Gosstatizdat TsSU SSSR, 1962. 279 p.
(MH)

VOLOSATOV, V. E. [People aim at the peaks] Liudi idut k vysotam. [Riazan'] Riazanskoe knizhnoe izd-vo, 1961. 37 p.

VOROBIOV, I. F., and A. KOGAN. [Marxist-Leninist philosophy; a popular manual] Marksists'ko-leninis'ka filosofiia; populiarnyi pidruchnyk. Kyiv, Derzh. vyd-vo politychnoi lit-ry URSR, 1961. 414 p.
(WU)

VOSKRESENSKII, IU. V., and V. BOCHKIN. [The achievement of the Tula workers during the first five-year plan, 1928-1932] Podvig tul'skikh rabochikh v gody pervoi piatiletki, 1928-1932 gg. [Tula] Tul'skoe knizhnoe izd-vo, 1962. 117 p.
(NIC)

VSESOIUZNOE SOVESHCHANIE PEREDOVIKOV DVIZHENIIA ZA KOMMUNISTICHESKII TRUD. [Materials of the All-Union Conference of Leaders of the Communist Labor Movement] Materialy. [Moskva] Profizdat, 1963. 23 p.

[WE ARE BUILDING COMMUNISM AND WE WILL LIVE UNDER COMMUNISM; a visual aid for propagandists and agitators studying the materials of the 22d Congress of the CPSU] My kommunizm stroim; nam v kommunizme zhit'; nagliadnoe posobie po materialu XXII s"ezda KPSS dlia propagandistov i agitatorov. Izd. 2., ispr. i dop. [Moskva, Gospolitizdat, 1963] 32 l.

WEITLING, W CH [Guarantees of harmony and liberty. With a supplementary brochure by W Weitling, "Humanity, as it is and how it should be," Translated from the German] Garantii garmonii i svobody. S prilozheniem broshiury V Veitlinga "Chelovechestvo, kak ono est' i kakim ono dolzhno bylo by byt'." Vstup stat'ia V P. Volgina. Moskva, 1962 584 p. (Akademiia nauk SSSR. Predshestvenniki nauchnogo sotsializma)
(CU)

[YOUR SENIOR COMRADE] Tvoi starshii tovarishch. [Riazan'] Riazanskoe knizhnoe izd-vo, 1960. 44 p.

ZAIATS, I. N. [Economics, organization and planning of production in wine making] Ekonomika, organizatsiia i planirovanie vinodel'cheskogo proizvodstva; kurs lektsii. Kishinev, Kishinevskoe uchilishche vinodeliia i vinogradarstva, 1962. 93 p.
[MICROFILM]

ZAITSEV, V. P [The strike movement in Great Britain at the present-day stage] Zabastovochnoe dvizhenie v Anglii na sovremennom etape Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 85 p.

ZHUKOV, P. A., ed [Economics of machinery manufacturing, the organization and planning of enterprises] Ekonomika mashinostroeniia, organizatsiia i planirovanie predpriiatii [By] A. M Vershinin i dr. Moskva, Mashgiz, 1963 504 p.

ZHUKOVSKII, A. I. [Establishing wage norms and work compensation in the construction industry] Tarifnoe normirovanie i oplata truda v stroitel'stve uchebnoe posobie Moskva, Mosk. zaochnyi stroit tekhnikum transport. stroit , 1962 67 p
[MICROFILM]

ZORIN, V. S. [The Negro people on the offensive; on the situation and struggle of the American Negroes for their political, economic and social equality] Negritianskii narod v nastuplenii, o polozhenii i bor'be amerikanskikh negrov za svoe politicheskoe, ekonomicheskoe i sotsial'noe ravenstvo. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. VII Seriia: Mezhdunarodnaia, no. 15)

6. POLITICAL SCIENCE

BARABASHEV, S V., and others. [Public participation in state administration in the European people's democracies] Uchastie obshchestvennosti v upravlenii gosudarstvom v evropeiskikh stranakh narodnoi demokratii. Moskva, Gosiurizdat, 1963 125 p.

CHERNOVA, V M. [The role of local soviets in the communist public self-administration] Rol' mestnykh Sovetov v obshchestvennom kommunisticheskom samoupravlenii. Alma-Ata, Kazgosizdat, 1963. 65 p.

COOK, F. J., and GLEASON, GENE. [Report from New York Translated from the English] Reportazh iz N'iu-Iorka. [Moskva] Izd-vo VTsSPS, Profizdat, 1961. 210 p.
(NIC)

DANMARKS KOMMUNISTISKE PARTI 21st Congress, Copenhagen, 1962. [Twenty-first Congress of the Communist Party of Denmark, Copenhagen, May 31 - June 3, 1962] XXI s"ezd Kommunisticheskoi partii Danii, Kopengagen, 31 maia-3 iiunia 1962 g. Moskva, Gospolitizdat, 1963. 111 p. (Dokumenty i materialy zarubezhnykh kommunisticheskikh i rabochikh partii)
(CSt-H)

DEMCHENKO, P. E. [A new day dawns in Yemen, diary of a Soviet journalist] Novyi den' Iemena; zapiski sovetskogo zhurnalista. Moskva, Gospolitizdat, 1963. 31 p.

EFENDIEV, T. M. [Dream and daring] Khelal ve chesaret. Baky, Azerbaichan SSR, 1961. 43 p. [In Azerbaijani]

[FACTS REVEAL; articles based on materials in the Soviet press] Fakty izoblichaiut, sbornik, po materialam sovetskoi pechati. [Berlin] Komitet "Za vozvrashchenie na Rodinu," 1957. 55 p.

IABLONSKII, M. P. [Connection between propaganda and life] Sviaz' propagandy s zhizn'iu. [Moskva] Mosk. rabochii, 1963 70 p.

IADOV, V. A. [The secret of lies; comments on the theory and methods of the bourgeois propaganda] Taina lzhi; zametki o teorii i metodakh burzhaznoi propagandy. Moskva, Gospolitizdat, 1963. 109 p.

ISAEV, N. I [The "Common Market" is the base of NATO] "Obshchii rynok" - baza NATO, stenogramma vystupleniia na nauchno-teoreticheskoi konferentsii na temu "Obshchii rynok" - orudie monopolii." Moskva, Ob-vo po raspr polit i nauchn. znanii RSFSR, 1963, 13 p.

KALININ, A I [Communists of the "Rossiia" Collective Farm, practices of the party organization on the farm] Kommunisty kolkhoza "Rossiia", iz opyta raboty kolkhoznoi partorganizatsii [Kursk] Kurskoe knizhn izd-vo, 1962. 70 p.
(CSt-H) (NIC)

KALINNIKOV, A A. [Toward communal self-government] K obshchestvennomu samoupravleniiu [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1963. 63 p. (Zrimye cherty kommunizma)

KHRUSHCHEV, N. S. [Fraternal union, indissoluble friendship, a speech at the meeting of Soviet-Hungarian friendship on July 19, 1963] Bratskii soiuz, nerushimaia druzhba, rech' na mitinge sovetsko-vengerskoi druzhby 19 iiulia, 1963 goda. Moskva, Gospolitizdat, 1963. 30 p.

KOMMUNISTICHESKAIA PARTIIA TADZHIKISTANA 14. s"ezd, Dushanbe, 1961 [Verbatim report of the Fourteenth Congress of the Communist Party of Tajikistan] Stenograficheskii otchet. Dushanbe, Tadzhikskoe gos. izd-vo, 1962 380 p
(MH)

KOZLOV, F. R. [Changes in the statute of the Communist Party of the Soviet Union; report at the 22d Congress of the CPSU on October 26, 1961] Pro zmini v statuti Komunistychnoi partii Radians'koho Soiuzu; sopovid' na XXII z'izdi KPRS 26 zhovtnia 1961 roku. Kyiv, Derzhpolitvydav URSR, 1962. 38 p.

LENIN, V I. [V. I. Lenin on the work of the soviets] V. I. Lenin o rabote Sovetov. Moskva, Gospolitizdat, 1963 431 p.

LISOVSKII, N. K. [P. V. Tochisskii, one of the organizers of the first Marxist groups in Russia] P. V. Tochisskii - odin iz organizatorov pervykh marksistskikh kruzhkov v Rossii. Moskva, Gospolitizdat, 1963. 62 p.

MAKSIMOV, K A. [Man must be trusted] V cheloveka nado verit'. Moskva, Gospolitizdat, 1963 70 p.

MOMUNBAEV, ISAN. [The Great October Socialist Revolution and the creation of the foundations of the Kirghiz Soviet State] Velikaia Oktiabr'skaia sotsialisticheskaia revoliutsiia i sozdanie osnov Kirgizskoi Sovetskoi gosudarstvennosti. Frunze, Kirgizskoe gos. izd-vo, 1962. 77 p
(CSt-H)

MOSCOW. AKADEMIIA OBSHCHESTVENNYKH NAUK. [Lectures on the history of the CPSU] Lektsii po istorii KPSS. Moskva, Izd-vo VPSh i AON, 1963-
(CSt-H)

MOSCOW. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT INOSTRANNYKH IAZYKOV. [Collection of academic works; studies dedicated to the problems of the communist and workers' movement and international relations] Sbornik nauchnykh trudov; stat'i, posviashchennye voprosam kommunisticheskogo i rabochego dvizhenila i mezhdunarodnym otnosheniiam. Moskva, 1963 179 p.

MOSCOW. MUZEI REVOLIUTSII SSSR [The party is our rudder] Partiia - nash rulevoi. [Moskva] Gospolitizdat, [1963] 14 plates (in portfolio)
(CSt-H)

POREMSKII, A. V. [By the force of an idea] Siloi idei. [Frankfurt/Main, Posev, 1961]
(MH)

PROKOF'EV, V. [The aggressive CENTO bloc] Agressivnyi blok SENTO Moskva, Izd-vo vostochnoi lit-ry, 1963. 103 p.

RODIONOV, M. A., and O. M. KOZOPOLIANSKII. [Veterans remain at duty] Veterany ostaiutsia v stroiu. Moskva, Gospolitizdat, 1963. 43 p. (Voprosy partiinogo stroitel'stva)

ROZHIN, V. P. [Introduction to the theory of scientific communism] Vvedenie v teoriiu nauchnogo kommunizma. [Leningrad] Izd-vo Leningr. univ., 1963. 163 p.

RUBIN, V. D. [The party organization in a workshop] TSekhovaia partiinaia organizatsiia. [Riazan'] Riazanskoe knizhnoe izd-vo, 1962 38 p.

SALUTSKII, A. S. [Yes, a simple soldier!] Da, prostoi soldat! [Moskva] Molodaia gvardiia, 1963. 61 p. (Komsomol'skomu aktivistu)

SHABANOV, M R. [National committees, the local organs of the government of the Czechoslovak Socialist Republic] Natsional'nye komitety - mestnye organy gosudarstvennoi vlasti Chekhoslovatskoi Sotsialisticheskoi Respubliki Moskva, Gosiurizdat, 1963. 119 p.

SHEVELEVA, E V. [People who are taller than pal Liudi, kotoryе vyshe pal'm Moskva, Gospolitizdat, 1963 61 p

SIKORSKII, V M , and N. G KRUT'KO, eds [Decisions of the 22d Congress of the CPSU, the detailed program for the building of communism] Reshenilia XXII s"ezda KPSS, razvernutaia programma postroenii kommunizma. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovanii BSSR, 1962 310 p.
(MH)

SLINCHENKO, V. I. and N. A. NESVITENKO. [The Communist Youth League group] Komsomol'skaia gruppa [Moskva] Molodaia gvardiia, 1962. 79 p. (Komsomol'skomu aktivistu)
(NIC)

SOLOV'EVA, S. V. [Permanent commissions of the soviets at a new stage] Postoiannye komissii mestnykh Sovetov na novom etape Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963 83 p.

WORKERS' PARTY OF VIETNAM. 3d, Congress, Hanoi, 1960. [Third Congress of the Workers' Party of Vietnam, Hanoi, September 5-12, 1960] III s"ezd Partii trudiashchikhsia V'etnama, Khanoi, 5-12 sentiabria 1960 goda Moskva, Gospolitizdat, 1961. 303 p. (Dokumenty i materialy zarubezhnykh kommunisticheskikh i rabochikh partii)
(CSt-H) (MH)

7. LAW

ALEKSANDROV, N. G., ed. [Basic theoretical principles of the state and law] Osnovy teorii gosudarstva prava [By] N. G. Aleksandrov, i dr Moskva, Gosiurizdat, 1963 563 p.

AZERBAIJAN. Laws, statutes, etc. [Statute on elections to the Supreme Soviet of the Azerbaijan S. S. Azerbaichan SSR Ali Sovetine sechkilere dair Esasname. Azerbaichan SSR Ali Soveti Rajasot c ietinin 1950-chi il 13 dekabr tarikhli Formany ile t dig olunmushdur. Baky, Azerbaichan Dovlet Nesh iaty, 1963. 18 p. [In Azerbaijani]

BOLDYREV, V. A., ed [Theoretical and practical commentaries to the criminal procedure code of the R. S. F. S. R.] Nauchno-prakticheskii kommentarii ugolovno-protsessual'nomu kodeksu RSFSR [By] G. N. Aleksandrov i dr Moskva, Gosiurizdat, 196 798 p

[COLLECTION OF LAWS ON LABOR SAFETY ON COLLECTIVE FARMS] Sbornik zakonodatel'nykh aktov ohkrane truda v kolkhozakh. Moskva, Gosiurizdat 1963. 289 p.

CZECHOSLOVAK REPUBLIC. Constitution. [Constit and legislative enactments. Translated from the Czech] Konstitutsiia i zakonodatel'nye akty. Mosk Izd-vo IMO, 1962. 403 p.
(CSt-H)

DMITRIEV, N. G., and S. N. ROZANTSEV. [Manual c housing problems] Spravochnik po zhilishchnym voprosam. Pod obshchei red. F. A. Strzhizhovsko [Moskva] Moskovskii rabochii, 1963. 195 p.

IAKOVLEVA, V. F. [Cooperative deliveries in the industry of the U. S. S. R.] Kooperirovannye postavki promyshlennosti SSSR. Moskva, Gosiurizdat, 196 163 p.

KALASHNIKOVA, N. IA. [Basic features of judicial examination in Soviet criminal procedure] Obshchie usloviia sudebnogo razbiratel'stva v sovetskom ugolovnom protsesse; uchebnoe posobie dlia studen vechernego otdeleniia. Moskva, Mosk. gos. univ., 1963. 98 p.

KALASHNIKOVA, N. IA. [Trial of criminal cases] Sudebnoe razbiratel'stvo po ugolovnomu delu. Otv. red. D. S. Karev. Moskva, Gosiurizdat, 1962. 42 (Bibliotechka narodnogo zasedatelia)

KOSHELEV, A. IA. [Private property in a socialist society] Lichnaia sobstvennost' v sotsialisticheskom obshchestve. Moskva, Sotsekgiz, 1963, 176 p.

KUDINOV, N. A. [Deputy to a soviet; a legal study] Sovetskii deputat; pravovoe issledovanie. Minsk, Izd-vo Akad. nauk BSSR, 1962. 101 p.
(NIC)

LATVIAN S S R. Laws, statutes, etc. [Chronological collection of the laws of the Latvian S. S. R., decrees of the Presidium of Supreme Soviet of the Latvian S S R. and the regulations of the government of the Latvian S S R , 1940-1959] Khronologicheskoe sobranie zakonov Latviiskoi SSR, ukazov Prezidiuma Verkhovnogo Soveta Latviiskoi SSR i postanovlenii pravitel'stva Latviiskoi SSR, 1940-1959. Riga, Latviiskoe gos izd-vo, 1960. 428 p.
(NN)

LUNTS, L. A. [Private international law; special part] Mezhdunarodnoe chastnoe pravo, osobennaia chast' Moskva, Gosiurizdat, 1963. 362 p. (His:"Kurs mezhdunarodnogo chastnogo prava ")

MENDEL'SON, G. A. [Releasing on probation persons whose criminal offenses do not constitute a major public danger] Poriedacha na poruki lits, sovershivshikh prestuplenlia, ne predstavliaiushchie bol'shoi obshchestvennoi opasnosti. [Moskva] Izd-vo Mosk. univ. 1963. 86 p

MOLDAVIAN S S R. Constitution. [Constitution (fundamental law) of the Moldavian Soviet Socialist Republic] Konstitutsiia (lezhita fundamentale) Republichii Sovetiche Sochialiste Moldovenesht'; ku skimbarile shi kompliekterile adoptate la sesita a opta a Sovetului Suprem al RSS Moldovenesht' de lezhislatura a chinchia. Kishineu, Editura de stat "Kartia moldovenieaske," 1963. 20 p. [In Moldavian]

NEIDZE, E. G. [Fellow workers' courts in industrial enterprises and governmental agencies. Tovarishcheskie sudy na predpriiatiiakh i v uchrezhdeniiakh. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"] 1962. 90 p. [In Georgian]

RUBINSKII, V. S., and O. V. PAVLOV. [Collection of consultations and explanations on the application of regulations on discoveries, inventions, and innovations and the instructions for awards] Sbornik konsul'tatsii i raz"iasnenii po primeneniiu polozhenila ob otkrytiiakh, izobreteniiakh i ratsionalizatorskikh predlozheniiakh i instruktsii o voznagrazhdenie Izd. 2 Pod red I K. Karaseva. Moskva, Izd-vo TsBTI, 1962. 84 p.

SAVITSKII, V. M , and I. I. POTERUZHA. [Status of the injured in Soviet criminal procedure] Poterpevshii v sovetskom ugolovnom protsesse Moskva, Gosiurizdat, 1963. 108 p.

SILING, A. N. [Violation of the freedom of navigation and fishing on the high seas by imperialist states] *Narusheniia imperialisticheskimi gosudarstvami* svobody moreplavaniia i rybolovstva v otkrytom more. Moskva, Gosiurizdat, 1963. 42 p.

[SOVIET CONSTITUTIONS; a reference book] Sovetskie konstitutsii, spravochnik. Moskva, Gospolitizdat, 1963. 347 p

TALVIK, E. [People's assessors in courts of the Estonian S. S. R.] Rahvakaasistujad Eesti NSV kohtutes. Tallinn, Eesti Riiklik Kirjastus, 1962. 51 p. [In Estonian]

TATAR A. S. S. R. Constitution. [Constitution (fundamental law) of the Tatar Autonomous Soviet Socialist Republic; with amendments adopted at the eighth session of the Third Supreme Soviet of the Tatar A. S. S. R. and at the first, second, third, fourth, fifth, sixth, and seventh sessions of the Fourth Supreme Soviet of the Tatar A. S. S. R.] Konstitutsiia (osnovnoi zakon) Tatarskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki; s izmeneniiami i dopolneniiami, priniatymi na VIII sessii Verkhovnogo Soveta Tatarskoi ASSR tret'ego sozyva i na I, II, III, IV, V, VI, VII sessiiakh Verkhovnogo Soveta Tatarskoi ASSR chetvertogo sozyva. Kazan', Tatarskoe knizhnoe izd-vo, 1959. 25 p.

UZBEK S. S. R. Constitution. [Constitution (fundamental law) of the Uzbek Soviet Socialist Republic. With amendments and supplements adopted at sessions 4-7 of the Fourth Supreme Soviet of the Uzbek S. S. R.] Konstitutsiia (osnovnoi zakon) Uzbekskoi Sovetskoi Sotsialisticheskoi Respubliki. S izmeneniiami i dopolneniiami, priniatymi na 4-7 sessiiakh Verkhovnogo Soveta Uzbekskoi SSR chetvertogo sozyva. Tashkent, 1959. 33 p.
(NNC-L)

UZBEK S. S. R. Laws, statutes, etc. [Criminal procedure code of the Uzbek S. S. R. With amendments as of March 1, 1963] Ugolovno-protsessual'nyi kodeks Uzbekskoi SSR. S izmeneniiami i dopolneniiami na 1 marta 1963 goda. Tashkent Gos. izd-vo UzSSR, 1963. 246 p.

VERDNIKOV, V. G., and A. IU. KABALKIN. [Compensation for injuries received in the process of the protection of socialist property] Vozmeshchenie vreda, ponesennogo grazhdaninom pri spasanii sotsialisticheskogo imushchestva. Moskva, Gosiurizdat, 1963. 64 p.

VIKHAREV, S. R., and I. D. VETROV. [Broadening the rights of the Union Republics, a historical and legal study based on materials related to the White Russian S. S. R.] Rasshirenie prav soiuznykh respublik, istoriko-pravovoi ocherk na materialakh Belorusskoi SSR. Moskva, Gosiurizdat, 1963. 129 p.

VIKTOROV, B. A. [Objectives and motives in serious crimes] TSel' i motiv v tiazhkikh prestupleniiakh Moskva, Gosiurizdat, 1963 80 p.

8. EDUCATION

[ALPINE SKI SPORT, a manual for trainers] Gornolyzhnyi sport; uchebnoe posobie dlia trenerov Moskva, Izd-vo "Fizkul'tura i sport, 1963. 269 p.

ATUTOV, P. R. [Studying and working in school] Uchenie i trud v shkole Moskva, Akad pedagog nauk RSFSR, 1962. 190 p
(MH)

[BOXING; a manual for trainers] Boks, uchebnoe posobie dlia trenerov. [By] K. V. Gradopolov i dr. Moskva, *Izd-vo "Fizkul'tura i sport," 1963.* 285 p.

BULAVAS, J., ed. [Vilnius University] Vilniaus universitetas. [By] L. Vladimirovas ir kiti. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1956. 109 p. [In Lithuanian]

FILIN, V. P., ed. [Problems of sports for youth, papers on the physical education and sports preparedness of youth prepared by the institutes of physical education] Problemy iunosheskogo sporta, sbornik rabot institutov fizicheskoi kul'tury po fizicheskomu vospitaniiu i sportivnoi podgotovke molodezhi. Moskva, Fizkul'tura i sport, 1963. 255 p

GORBUNOVA, T. V. [Institutions of higher learning and research in Sweden] Vysshie uchebnye zavedeniia i nauchno-issledovatel'skie uchrezhdeniia Shvetsii. Moskva, Vses. in-t nauchn. i tekhn. informatsii, 1963. 89 p.

GORGADZE, M. A. [Physical culture and sports in Georgia] Fizkul'tura i sport v Gruzii. Tbilisi, Izd-vo "Zaria Vostoka," [1959] 20 p. (Vystavka dostizhenii narodnogo khoziaistva SSSR. Pavil'on Gruzinskoi SSR)

IZMAIL-ZADE, N. A. [Training students in participation and independence during grammar lessons in grades five and six] V-VI siniflerin grammatika derslerinde shakirdlerde fealliyet ve mustegillik terbiesi. Baky, Azerbaichan dovlet Tedris- Pedagozhi Edebiiaty Neshriiaty, 1962. 54 p. [In Azerbaijani]

KULIEV, N. IU., and G. KH. ABDULLAEV. [Organizing work education in school] Mektebde emek terbiesinin teshkili Baky, Azerbaichan dovlet Tedris-Pedagozhi Edebiiaty Neshriiaty, 1962. 43 p. [In Azerbaijani]

LENINGRAD, UNIVERSITET. [Pedagogical essays] Ocherki pedagogiki. [Leningrad] 1963. 310 p.

LOZHECHKO, A. V. [Educator, teacher, and fighter] Vospitatel', uchitel', boets. Moskva, Gospolitizdat, 1963. 77 p. (Geroi i podvigi)
(CSt-H)

PANOV, V. N. [Chess, an int interesnaia igra, [Moskva] 1963. 140 p. (V pomoshch

PINT, A. O. [Search, invent a skill of a cultural and educa izobretat', tvorit'; o pedago kul'tprosvetrabotnika. Mos 1962. 71 p. (Bibliotechka rabotnika, no. 4)

RESPUBLIKANSKAIA NAUCHN KONFERENTSIIA PO PROB SKOGO VOSPITANIIA TRUI 1961. [Communist educatio Kommunisticheskoe vospita materialy... v period razv kommunizma. Ulan-Ude. 1961. 199 p.
(CSt-H)

RUSSIA (1923- U. S. S. R.) obshchestvennykh nauk. [S science tests in specialize *schools] Primernala tema* obshchestvovedeniiu dlia z nykh uchebnykh zavedenii. 28 p.

[SCIENTIFIC PRINCIPLES OF PHYSICAL EDUCATIO AND SPORTS, abstracts of dissertations] Nauchny osnovy fizicheskogo vospitaniia i sporta, referativ sbornik dissertatsii. Sbornik podgotovil I. N Petu khov. Moskva, Fizkul'tura i sport, 1963. 366 p.

SIMAGIN, V. P [The best games] Luchshie partii Moskva, Izd-vo "Fizk l'tura i sport," 1963 112

TAZHIBAEV, I. T [Education and schools in Kazak stan during the second half of the nineteenth centu Prosveshchenie i shkoly Kazakhstana vo vtoroi po vine XIX veka Alma-Ata, Kazakhskoe gos izd-v pulit lit-ry, 1962 505 p
(NIC)

VASIL'EV, V. I [The seventh veil] Sed'maia vual'. [Moskva] Molodaia gvardiia, 1963 221 p

VSESOIUZNOE DOBROVOL'NOE OBSHCHESTVO SO STVIIA ARMII, AVIATSII I FLOTU. [Grade norm and requirements in various sports, supplement t "Sports for the masses"] Razriadnye normy i trebovaniia po vidam sporta, prilozhenie k sborni "Sportivno-massovaia rabota." Moskva, Izd-vo DOSAAF, 1956 77 p.

VSESOIUZNOE SOVESHCHANIE PO SHKOLAM-INTI NATAM, Moscow, 1957 [Verbatim report of the Union Congress on Boarding Schools] Stenografi skii otchet Pod red. N. D. Kaz'mina Moskva, uchebno-pedagog izd-vo, 1958 119 p
(ICU)

[WATER POLO, competition rules] Vodnoe polo; pr soievnovaniia Moskva, Izd-vo "Fizkul'tura i sp 1963. 35 p.

ZAIKIN, I. M. [In the air and on the mat, memoirs] vozdukhe i na arene, vospominaniia. [Kuibyshev Kuibyshevskoe knizhnoe izd-vo, 1963 155 p

ZHOLUDEV, D. G. [Brief history of schools in Kr yarsk Territory up to the Great October Socialis lution] Kratkaia istoriia shkol Krasnoiarskogo k do Velikoi Oktiabr'skoi sotsialisticheskoi revoliu Eniseisk, Eniseiskii gos pedagog. in t, 1961 1
(MH)

9. MUSIC, THEATER & MOTION PICTURI

BELZA, I. F [About Slavic music; selected works slavianskoi muzyke, izbrannye raboty Moskva Sovetskii kompozitor, 1963 463 p

GINZBURG, S. S. [Motion pictures of prerevolutio Russia] Kinematografiia dorevoliutsionnoi Ros Moskva, Izd-vo "Iskusstvo," 1963 401 p illus

HORDIICHUK, M. M. ["Ukrainian symphony" by M cheve'kyi] "Ukrains'ka symfoniia" M. Kalachev Kyiv, Derzh. vyd-vo "Mystetstvo," 1963. 32 p (Liubyteliam muzyky)

MARINCHIK, PAVEL. [Birth of the Communist Y League theater] Rozhdenie komsomol'skogo te Moskva, Iskusstvo, 1963. 285 p.

MILIUTIN, IU. S. [Lilacs and bird-cherry blosso

10. FINE ARTS

AKADEMIIA KHUDOZHESTV SSSR. Nauchno-issledovatel'skii muzei. [Russian architecture from the 11th to the beginning of the 20th century. Catalog of the Department of the History of Russian Architecture] Russkaia arkhitektura XI-nachala XX vv.; katalog Otdela istorii russkoi arkhitektury. Moskva, Izd-vo Akad. khudozh. SSSR, 1962. 116 p. illus.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut literatury i iskusstva. [Fine arts of Kazakhstan] Izobrazitel'noe iskusstvo Kazakhstana. [Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963] 377 p. (MH)

AKADEMIIA NAUK SSSR. Institut istorii iskusstv. [From the history of Soviet architecture, 1917-1925] Iz istorii sovetskoi arkhitektury, 1917-1925 gg.; dokumenty i materialy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 248 p.

AKADEMIIA NAUK SSSR. Institut istorii iskusstv. [History of Russian art] Istoriia russkogo iskusstva. Pod obshchei red. I. E. Grabaria, V. S. Kemenova i V. N. Lazareva. Moskva.
Vol. 8. Book 1. 1963. 706 p.

BUBNOV, E. N. [Ornamental iron fence, artistic fencing in the Urals] Ograd uzor chugunnyi, khudozhestvennye reshetki Urala. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 79 p. (MiU)

[FOLK ARTISTS AND PRIMITIVISTS OF YUGOSLAVIA; painting, sculpture. Catalog of an exhibition] Narodnye khudozhniki-primitivisty IUgoslavii, zhivopis', skul'ptura. Katalog vystavki. Leningrad, Izd-vo Gos. Ermitazha, 1963. 25 p. illus.

GARAS, KLARA. [Hungarian painting of the 18th century] Zhivopis' Vengrii v XVIII veke. Budapest, Izd-vo Akad. nauk Vengrii, 1967. 190 p. illus.

KATSNEL'SON, R. A. [Italy's newest architecture] Noveishaia arkhitektura Italii. Moskva, Gosstroiizdat, 1963. 169 p. (Arkhitektura v kapitalisticheskikh stranakh)

KIEV. DERZHAVNYI MUZEI ROSIS'KOHO MYSTETSTVA. [Kiev State Museum of Russian Art, paintings] Kyivs'kyi Derzhavnyi muzei rosiis'koho mystestva; zhyvopys. [Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1962] xxiv p. 95 plates (in portfolio) (MiU)

KISLIAKOVA, I. V. [Soviet art of the postwar period] Sovetskoe iskusstvo poslevoennogo perioda. Moskva, Sovetskii khudozhnik, 1963. 110 p. (Bibliotechka shkol'nika. Russkoe iskusstvo, nos. 11-12)

'OREN'KOV, V. E. [Principles of the typology of dwellings according to natural conditions and climate] Osnovy prirodno-klimaticheskoi tipologii zhilishch. Moskva, Gosstroiizdat, 1963. 88 p. fold. maps, diagrs.

UMA, HELENE. [Applied arts and artists of Soviet Estonia] Prikladnoe iskusstvo Sovetskoi Estonii i ego mastera. Moskva, Iskusstvo, 1962. 202 p. illus. (MH)

KURIL'TSEVA, V. V. Bokshai Iosif Iosifovich. Moskva, Sovetskii khudozhnik, 1962. 62 p. (MiU)

MOCHALOV, L. V. [The artists, the painting, the viewer; talks about painting] Khudozhnik, kartina, zritel, besedy o zhivopisi. Leningrad, "Khudozhnik RSFSR," 1963. 142 p. illus.

MOSCOW. GOSUDARSTVENNAIA TRET'IAKOVSKAIA GALLEREIA. [Reproductions] Reproduktsii. [Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi literatury URSR, 1962] 31 plates (in portfolio) (CaOTU)

MOSCOW. GOSUDARSTVENNYI MUZEI IZOBRAZITEL'NYKH ISKUSSTV. [Exhibition of wood engravings from the 15th to the 20th century, a catalog] Vystavka gravjury na dereve XV-XX v.v.; katalog. Moskva, 1963. 84 p. illus.

MOSCOW. GOSUDARSTVENNYI MUZEI IZOBRAZITEL'NYKH ISKUSSTV. [State Museum of Fine Arts; Western European paintings] Gosudarstvennyi muzei izobrazitel'nykh iskusstv imeni A. S. Pushkina; zapadnoevropeiskaia zhivopis'. [Vstup. stat'ia M. Libman. Moskva, Gos. izd-vo Izobraz. iskus., 1962] 15 p. 50 col. plates. (CtY)

MOSCOW. GOSUDARSTVENNYI MUZEI IZOBRAZITEL'NYKH ISKUSSTV. [West European painting, an album] Zapadnoevropeiskaia zhivopis', [al'bom]. Moskva, Gos. izd-vo izobraz. iskus., 1960. [3] 50 plates. [In Russian, French, English, and German]

MOSCOW. VYSTAVKA PROIZVEDENII IZOBRAZITEL'NOGO ISKUSSTVA SOTSIALISTICHESKIKH STRAN, 1958-1959. [Fine arts of the socialist countries, an exhibition] Izobrazitel'noe iskusstvo sotsialisticheskikh stran, vystavka. Al'bom sostavlen sektorom zarubezhnogo iskusstva Instituta teorii i istorii iskusstva Akademii khudozhestv SSSR. Avtory vstup. teksta i sost. razdelov al'boma: L. Aleshina i dr. Obshchaia red. IU. D. Kolpinskogo. Moskva, Gos. izd-vo izobraz. iskus., 1960. 1 v. (chiefly illus.) (ICU)

NIKOLAEV, I. S., and N. P. MEL'NIKOV. [The World Fair in Brussels in 1958] Vsemirnaia vystavka v Briussele 1958, arkhitektura, konstruktivnye formy pravilnov. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1963. 314 p.

OSTROVSKII, G. S. Kotsis. Moskva, Izd-vo "Iskusstvo," 1963. 35 p. illus.

PACHULIA, VIANOR, comp. [List of cultural monuments registered in Abkhazia] Spisok pamiatnikov kul'tury, vziatykh na uchet po Abkhazskoi ASSR. [Sukhumi, Abgosizdat, 1961] 43 p. illus. (MH)

PIANIDA, V. Matvii Oleksiiovych Dontsov. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1962. 20 p. (MH)

PILJAVSKII, V. I. [Stasov, the architect] Stasov arkhitektor. Leningrad, Gosstroiizdat, 1963. 240 p.

SEMENOVA, T. S. Leonid Vladimirovich Soifertis. Moskva, Sovetskii khudozhnik, 1962. 53 p. (MH)

SHANTYKO, N. I. Ekaterina Sergeevna Zernova. Moskva, Sovetskii khudozhnik, 1962. 90 p. (MH)

SOKOLOVA, N. I. Kukryniksy: Mikhail Vasil'evich Kupriianov, Porfirii Nikitich Krylov, Nikolai Aleksandrovich Sokolov. [Moskva, Izd-vo Akad. khudozh. SSSR, 1962] 502 p. illus. (MiU)

SPEGAL'SKII, IU. P. Pskov. Leningrad, Iskusstvo, 1963. 302 p. (Khudozhestvennye pamiatniki) illus.

SVIRIN, A. N. [Old Russian needlework] Drevnerusskoe shit'e. Moskva, Iskusstvo, 1963. 150 p.

SYSOEVA, N. I. [Kasimov fancy weaving of the 19th and beginning of the 20th century] Kasimovskoe uzornoe tkachestvo XIX-nachala XX vv. Moskva, Gos. izd-vo mestnoi promysht. i khudozh. promyslov RSFSR, 1963. 24 p. illus.

VORONIKHINA, A. N. [Malachite in the Hermitage collections] Malakhit v sobranii Ermitazha. Leningrad, Izd-vo Gos. Ermitazha, 1963. 93 p. illus. [With summary in French]

ZVONTSOV, V. M. [Fundamentals of understanding graphic arts] Osnovy ponimaniia grafiki. Moskva, Izd-vo Akad. khudozh. SSSR, 1963. 71 p. (Biblioteka po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodeiatel'nosti i shkol'nykh bibliotek)

11. LANGUAGE, LITERATURE & FOLKLORE

ABATUROV, K. I. [Volga radiance] Volzhskoe siianie. [Kostroma, Kostromskoe knizhnoe izd-vo, 1962] 190 p. (MH)

ABDULZHALILOV, F. A. [Good sign; tales] Ary'v nyshan, povest'lor. Cherkessk, Karashai-Sherkesh knigoizdatel'stvosy, 1961. 202 p. [In Nogai]

ABRAAMIAN, A. A. [Verb in modern Armenian] Glagol v sovremennom armianskom iazyke. Erevan, Izd-vo AN Armianskoi SSR. [In Armenian]
Book 1. 1962. 727 p.

ABRAMOV, F. A. [Roundabout] Vokrug da okolo. [London] Flegon Press [1963 ?] 29 p. (MH)

AKADEMIIA NAUK SSSR. Institut iazykoznaniia. [Comparative grammar of the Germanic languages in five volumes] Sravnitel'naia grammatika germanskikh iazykov v piati tomakh. Glav. red. M. M. Gukhman i dr. Moskva, Izd-vo Akad. nauk SSSR
Vol. 3. [Morphology] Morfologiia. 1963. 455 p.

AKADEMIIA NAUK SSSR. Institut iazykoznaniia. [Iranian collection, dedicated to the seventy-fifth birthday of Professor I. I. Zarubin] Iranskii sbornik, k semidesiatipiatiletiiu professora I. I. Zarubina. Moskva, Izd-vo vostochnoi lit-ry. 1963. 254 p.

AKADEMIIA NAUK SSSR. Institut mirovoi literatury. [Outline history of Roman literary criticism] Ocherki istorii rimskoi literaturnoi kritiki. Moskva, 1963. 309 p.

AKADEMIIA NAUK SSSR. Institut russkoi literatury. [History of Russian literature of the end of the 19th and beginning of the 20th century; a bibliography] Istoriia russkoi literatury kontsa XIX - nachala XX veka; bibliograficheskii ukazatel'. Pod red. K. D. Muratovoi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 518 p.

AKADEMIIA NAUK SSSR. Institut russkoi literatury. [Russian literature of the 18th century and Slavic literatures; studies and materials] Russkaia literatura XVIII veka i slavianskie literatury, issledovaniia i materialy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 189 p.

AKADEMIIA NAUK URSR, Kiev. Biblioteka. [T. H. Shevchenko, bibliography of the literature on his life and works, 1839-1959] T. H. Shevchenko, bibliografiia literatury pro zhyttia i tvorchist', 1839-1959. Sklaly: I. Z. Bolko ta inshi. Kyiv, Vyd-vo Akad. nauk URSR.
Vol. 2. 1917-1959. 1963. 421 p.

[ALBANIAN-RUSSIAN POCKET DICTIONARY; 6200 words] Karmannyi albansko-russkii slovar'. Sost. R. D. Korhi; 6200 slov. Izd. 2. Moskva, Gos. izd-vo inostr. i natsional'nykh slovarei, 1961. 380 p.

ALEKSANDROV, VIL'IAM. [Night station, stories] Nochnoi vokzal, rasskazy. Tashkent, Goslitizdat, 1962. 241 p. (MH)

ALEKSICH, A. P., and S. M. BRAILOVSKAIA. [Extracurricular reading, a literary chrestomathy for students in the 5th grade in non-Russian schools] Vneklassnoe chtenie, literaturnaia khrestomatiia dlia uchashchikhsia 5 klassov nerusskikh shkol; izd. 4. Moskva, Gos. uchebno-pedagog. izd-vo, 1960. 208 p. (OU)

ANDREEV, I. V. [Blue hour, sketches and stories] Sinii chas; ocherki i rasskazy. [Moskva] Mosk. rabochii, 1962. 142 p. (Zemlia Moskovskaia) (MH)

ALEKSANDROV, V. E. [Winged infantrymen, a tale and stories] Kryiatye pekhotintsy; povest' i rasskazy. Kyiv, Radians'kyi pys'mennyk, 1963. 329 p. (NIC)

ANASTAS'EV, A. N. [From the auditorium] Iz zritel'nogo zala. Moskva, Vserossiiskoe teatral'noe ob-vo, 1962. 103 p. (MH)

ANDREEV, A. D. [Broad stream; a novel] Shirokoe techenie; roman. Moskva, Vses. uchebno-pedagog. izd-vo, 1961. 270 p. (NjP)

ANIKINA, A. B., ed. [Exercises on morphology for foreigners studying Russian] Sbornik uprazhnenii po morfologii dlia inostrantsev, izuchaiushchikh russkii iazyk. [Moskva] Izd-vo Mosk. univ.
No. 1. [Verbs, participles, gerunds] Glagol, prichastie, deeprichastie. 1963. 219 p.

[ANTHOLOGY OF KARELIAN POETRY. Translated from the Karelian] Antologiia Karel'skoi poezii. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1963. 331 p.

ARDAMATSKII, V. I. ["Saturn" almost unseen, a tale] "Saturn" pochti ne viden, povest'. Moskva, Molodaia gvardiia, 1963. 654 p. (NIC)

AUZINS, IMANTS. [Blue height, poems] Zilie griesti; dzeja. Riga, Latvijas valsts izdevnieciba, 1963. 113 p. [In Latvian]

AZADOVSKII, M. K. [History of Russian folklore studies] Istoriia russkoi fol'kloristiki. Moskva, Uchpedgiz,
Vol. 2. 1963. 361 p.

AZGUR, Z I [Unforgettable] Nezabyvaie. Minsk, Dziarzh vyd-va BSSR Red. mastatskaia lit-ry, 1962. 264 p.
(MH)

BABLIAK, V. S. [The cherry orchard, a novel] Vishnevyi sad; roman Moskva, Molodaia gvardiia, 1962 547 p
(MH)

BALTRE, B. I. [Good-by, boys, a tale] Do svidaniia, mal'chiki, povest'. Moskva, Sovetskii pisatel', 1963. 316 p.

BARAMIDZE, G. R., and I. L. SIKHARULIDZE [On Georgian literature, textbook for the sixth grade. Rodnaia literatura, uchebnik dlia VI klassa. Tbilisi, Gos. izd-vo uchebno-pedagog. lit-ry "TSodna,"] 1962. 299 p. [In Georgian]

BARKHUDAROV, A. S. [Word formation in Hindi] Slovoobrazovanie v khindi. Moskva, Izd-vo vostochnoi lit-ry, 1963. 191 p.

BATALOVA, R. M. [Brief manual of borrowed words and dialectal vocabulary of the Komi-Permyak language] Kratkii spravochnik po zaimstvovannym slovam i dialektnoi leksike komi-permiatskogo iazyka. Kudymkar, Komi-Permiatskoe knizhnoe izd-vo, 1962. 47 p. (V pomoshch' uchiteliu)
(MH)

BAZORKIN, I. M. [The call, selected works] Prizyv; izbrannoe. [Groznyi] Checheno-Ingushskoe knizhnoe izd-vo, 1962 358 p.
(MH)

BIEKMAN, VLADIMIR. [The light of Eastern Europe] Ida-Euroopa Valgus, poeem. Tallinn, Eesti Riiklik Kirjastus, 1963. 63 p [In Estonian]
(MH)

BEILIN, P. I. [Dearest; tales] Naidorozhche, povisti. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1960. 408 p.
(WaU)

BENIUC', MIHAI. [Verse Translated from the Rumanian] Stikhi. Moskva, Gos izd-vo khudozh. lit-ry, 1959 270 p.
(NNC)

BEREZNITSKII, E. N. [Adventures of a brave ruff] Pokhozhdeniia khrabrogo ersha. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1962. 30 p.
[MICROFILM]

BILL'-BELOTSERKOVSKII, V. N [Selected works] Izbrannye proizvedeniia. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 2 v.
(OU)

BITOV, A. G. [Great globe, a tale and stories] Bol'shoi shar[povest' i rasskazy] Moskva, Sovetskii pisatel', 1963. 213 p
(MH)

BLAGOI, D. D. [From Pushkin to Maiakovskii, development of Russian literature during the 19th and the beginning of the 20th century] Ot Pushkina do Maiakovskogo, zakonomernosti razvitiia russkoi literatury XIX—nachala XX veka Moskva, Izd-vo Akad. nauk SSSR, 1963. 86 p (Doklady sovetskoi delegatsii, V Mezhdunarodnyi s"ezd slavistov)

BOGATYREV, P. G. [Slovak epic stories and epic lyrics, the "Brigand cycle"] Slovatskie epicheskie rasskazy i liro-epicheskie pesni; "Zbojnitskii tsikl," Moskva, Izd-vo Akad. nauk SSSR, 1962, 191 p.

BOGLOVSKII, T., and Z. L'VOV. ["Latest news" over the radio] "Poslednie izvestiia" po radio. Moskva, Gos. komitet Soveta ministrov SSSR, po radioveshchaniiu i televideniiu, 1963. 70 p.

BONDAR, IE. P. [Origin and development of the Ukrainian essay] Stanovlennia i rozvytok ukrains'koho radians'koho narysu. [Kyiv] Vyd-vo Kyivs'koho univ., 1962. 79 p.
(MH)

BOROVOI, L. IA. [The course of a word, old and new features in the Soviet Russian literary language] Put' slova; starое i novoe v iazyke russkoi sovetskoi literatury. Izd. 2., dop. Moskva, Sovetskii pisatel', 1963. 744 p.

BROUKA, PIATRUS' [And the days go by...] A dni idut'... Minsk, Dziarzh. vyd-va BSSR, Red. mastatskai lit-ry, 1962. 190 p. illus.
(NN)

BUBNOVA, O. V [We are not dead] My ne umerli. [Voronezh, Voronezhskoe knizhnoe izd-vo, 1962] 107 p
(MH)

BULAKHOVSKII, L. A. [Significance of linguistics] Znachennia movoznavstva. Kyiv. Derzh. uchbovo-pedagog vyd-vo "Radians'ka shkola," 1962. 39 p.
(NIC)

BULANOV, I. I. [Living legend, a tale] Zhivaia legenda, povest' Tashkent, Goslitizdat UzSSR, 1962. 225 p.
(MH)

BUR'IAN, V. I., and I. LISNEVSKII [On a high flight upward; a creative portrait] Na vysokom vzlete, tvorcheskii portret. Minsk, Gos. izd-vo BSSR, 1962. 50 p.
(MH)

CAPEK, KAREL. [Stories. Sketches. Plays. Translated from the Czech] Rasskazy. Ocherki. P'esy. Moskva, Gos. izd-vo khudozh. lit-ry, 1954. 301 p.

CHEKHOV, A. P. [Stories] Rasskazy Moskva, Gos. izd-vo detskoi lit-ry, 1960. 92 p. (Shkol'naia biblioteka)
(OU)

CHENDEI, IVAN. [The duel; a tale] Poiedynok, opovidannia. Kyiv, Derzhlitvydav, 1962. 266 p.
(MH)

CHEREPANOV, IU. A. [In merry orbit] Na veseloi orbite. [Moskva] Mosk. rabochii, 1963. 1 v.

CLEMENS, S. L [Adventures of Tom Sawyer, Adventures of Huckleberry Finn, Tom Sawyer Abroad, Tom Sawyer Detective. Translated from the English] Prikliuchenila Toma Soiera, Prikliuchenila Gekl'beri Finna, Tom Soier za granitsei, Tom Soier—syshchik [Moskva] Moskovskii rabochii, 1961. 646 p. (Author's pseud M. Twain)
(NjP)

[CONCISE SPANISH-RUSSIAN AND RUSSIAN-SPANISH DICTIONARY] Kratkii ispansko-russkii i russko-ispanskii slovar'. Moskva, Gos izd-vo inostr. i natsional'nykh slovarei, 1962 403 p.

CURTIUS RUFUS, QUINTUS. [Story of Alexander the Great, the preserved books Translated from the Latin] Istoriia Aleksandra Makedonskogo, sokhranivshiesia knigi [Moskva] Izd-vo Mosk univ., 1963 477 p [Parallel texts in Latin and Russian]

DEGUTYTE, JANINA. [In the palm of the earth] Ant zemes delno Vilnius, Valstybine grozines literaturos leidykla, 1963 97 p. [In Lithuanian]

DEMCHENKO, A. M. [A tale of true love, a novel] Povest' o nastoiashchei liubvi, roman. Barnaul, Altaiskoe knizhnoe izd-vo, 1962. 379 p.
(MH)

DENISOVA, I. V. [High principles can't be abandoned; new trends in the lyric poetry of the young] Vysoty otdavat' nel'zia; novoe v lirike molodykh. Moskva, Izd-vo "Znanie," 1963. 23 p. (Novoe v zhizni, nauke, tekhnike. X Serlia: Molodezhnaia, no. 14)

DERZHAVIN, G. R. [Verse] Stikhotvoreniia. Vstup. stat'ia i podgotovka teksta V. P. Druzina. Primechaniia V. A. Zapadova. Moskva, Sovetskii pisatel', 1963. 454 p. (Biblioteka poeta. Malaia serlia. 3. izd.)

DESNITSKAIA, A. V. [Slavic loan words in Albanian] Slavianskie zaimstvovaniia v albanskom iazyke. Moskva, Izd-vo Akad. nauk SSSR, 1963. 23 p. (Doklady sovetskoi delegatsii. V Mezhdunarodnyi s"ezd slavistov) [With summary in French]

D'IAKONOV, I. M [Urartic letters and documents] Urartskie pis'ma i dokumenty. Vstup stat'ia B. B. Piotrovskogo. Moskva, Izd-vo Akad. nauk SSSR, 1963. 142 p.

D'IAKOV, I. IA. [V. G. Belinskii's philosophy] Mirovozzrenie V. G. Belinskogo. [Blagoveshchensk] Amurskoe knizhnoe izd-vo, 1962. 382 p.
(MH)

DIUKOV, P., and others [Stars over the Volga, a literary collection] Zvezdy nad Volgoi; literaturno-khudozhestvennyi sbornik. Astrakhan', Izd-vo "Volga "Volga," 1962 98 p.

DOROSH, E. IA. [Four seasons of the year; a tale] Chetyre vremeni goda; povest'. Moskva, Sovetskii pisatel', 1962. 194 p.
(MH)

DRAGUNSKII, V. IU [He fell on the grass, a tale] On upal na travu Moskva, Sovetskii pisatel', 1963 154 p
(MH)

DVORETSKII, D. P. [Green noise, a tale] Zelenyi shum, povest' [2., pererab izd Smolensk] Smolenskoe knizhnoe izd-vo, 1962 262 p
(MH)

DVORETSKII, I. M. [Plays] P'esy. Moskva, Sovetskii pisatel', 1963 298 p.
(MH)

DZHAVAKHISHVILI, M. S [Woman's burden, a novel. Translated from the Georgian] Zhenskaia noshа, roman [Moskva, Sovetskii pisatel', 1963] 402 p.
(MH)

EIDEL'MAN, N. IA. [Herzen's "The Bell"] Gertsenovskii "Kolokol" Moskva, Uchpedgiz, 1963 103 p.

ELISTA. KALMYTSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT IAZYKA, LITERATURY I ISTORII [The "Dzhangar" epic, materials devoted to the 500th anniversary of the Kalmyk national epic] O Dzhangare, sbornik materialov, posviashchennykh piatisotletiiu kalmytskogo narodnogo eposa. Elista, Kalmytskoe gos izd-vo, 1963, 111 p.

ERMILOV, V. V. [Thoughts about the contemporary tale] Razmyshlenniia nad sovremennoi povest'iu. Moskva, Sovetskii pisatel', 1963 125 p

EVENTOV, I. S. [Maiakovskii in Petrograd and Leningrad] Maiakovskii v Petrograde-Leningrade [Leningrad] Lenizdat, 1963. 390 p

FEDOROV, P. I [Horsemen and horses, a novel] Vsadniki i koni, roman, Moskva, Izd-vo "Sovetskaia Rossiia," 1962. 299 p
(NNC)

FEDOROV, V. I [The flood, verse and poems] Polovod'e, stikhi i poemy Kiev, Radians'kii pis'mennik, 1963. 81 p.
(MH)

FEDOSEEV, G. A. [Death will wait for me] Smert' menia podozhdet. Moskva, Goslitizdat, 1963. 110 p. (Roman-gazeta, no. 14(290))

FILIPCHENKO, I. G [Selected works] Izbrannoe Moskva, Sovetskii pisatel', 1962. 102 p.
(MH)

[TOLK TALES OF OUR MOTHERLAND] Skazki narodov nashei Rodiny [Gor'kii] Gor'kovskoe knizhnoe izd-vo, 1962. 350 p illus.
(NIC)

FOMENKO, L. N. [Martia Prilezhaeva; a brief account of her life and works] Martia Prilezhaeva; kritiko-biograficheskii ocherk Moskva, Detgiz, 1962 63 p.
(MH)

FOT'EV, N. I. [Career of a chicken; fables and epigrams] Kurinaia kar'era; basni i epigrammy. Blagoveshchensk, Amurskoe knizhnoe izd-vo, 1962. 36 p.
(MH)

GARIN, F. A. [Vasilii Blukher; a novel] Vasilii Blukher; roman. Moskva, Sovetskii pisatel', 1963-
(CSt-H)

GEN, TEV'E. [Simple people, tales and stories. Translated from the Yiddish] Skromnye liudi; povesti i rasskazy. Moskva, Sovetskii pisatel', 1962. 341 p. illus
(MH)

GERASKINA, L. B [Plays] P'esy. [Moskva] Sovetskii pisatel', 1962. 314 p.
(OU)

GITOVICH, A. I. [Star over the river] Zvezda nad rekoi. Moskva, Sovetskii pisatel', 1962 254 p.
(MH)

GORNUNG, B. V. [Prehistory of the formation of an all-Slavic linguistic community] Iz predystorii obrazovaniia obshcheslavianskogo iazykovogo edinstva. Moskva, Izd-vo Akad. nauk SSSR, 1963. 141 p. (Doklady sovetskoi delegatsii, V Mezhdunarodnyi s"ezd slavistov) [With summary in German]

GRACHEV, A. M. [The lodge at the Burukan shoals; a tale] Storozhka u Burukanskikh perekatov; povest'. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1962. 211 p. illus.
(MH)

GRESHNOV, M.N. [Three encounters, stories] Tri vstrechi, rasskazy Stavropol', Knizhnoe izd-vo, 1962, 108 p.
(NIC)

GRIBOV, IU T [Stronger than death; a tale] Sil'nee smerti; povest'. [Kostroma, kostromskoe knizhnoe izd-vo, 1961] 218 p
(MH)

GRIGOR'EV, I N. [Cold wind, verse and poems] Lastochoi, stikhi, poemy [Moskva] Molodaia gvardiia, 1962 158 p.
(MH)

GUMILEV, N.S. [Collected works] Sobranie sochinenii Pod red G.P.Struve i B.A Filippova Washington, V Kamkin, 1962 4 v
(PSC)

GUS, M. S. [Literature and an era, literary criticism] Literatura i epokha, literaturno-kriticheskie stat'i. Moskva, Sovetskii pisatel', 1963. 361 p.

GUSEV, A.P. [Time lives, verse] Vremia zhit', [sbornik stikhov]. Tallin, Estonskoe gos. izd-vo, 1962. 110 p.
(MH)

GUSKOV, S V. [Union of the possessed, a novel] Soiuz oderzhimykh, roman [Moskva] Molodaia gvardiia, 1963 349 p.
(MH)

HANSRAJ, RAHBAR, pseud. [Life and works of Premchand. Translated from the Hindi] Zhizn' i tvorchestvo Premchanda. Moskva, Izd-vo vostochnoi lit-ry, 1963 188 p

HERTZEN, A.I. [Thieving magpie; a tale] Soroka vorovka, povest'. [Leningrad, Gos. izd-vo khudozh. lit-ry, 1962] 61 p.
(CSt)

IAVICH, A. E. [Pages of truth, selected tales and stories] Stranitsy vernosti, izbrannye povesti i rasskazy. Moskva, Sovetskii pisatel'. 1963. 473 p.

INTERNATIONAL CONGRESS OF SLAVISTS, 5th, Sofia, 1963. [Slavic literatures, reports of the Soviet delegation] Slavianskie literatury, doklady sovetskoi delegatsii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 375 p [With summaries in German, French, and English]

ISACENKO, ALEXANDER V. [The grammatical system of the Russian language compared with the Slovak] Grammaticheskii stroi russkogo iazyka v sopostavlenii s slovatskim. Bratislava, Izd-vo Slovatskoi Akad. nauk.
Vol. 2 [Morphology] Morfologiia, 1960.
(RPB)

ISAEV, E A. [Court of memory, a poem] Sud pamiati, poema Moskva, Pravda, 1963 63 p. (Biblioteka "Ogonek," no. 33)

ISHMURATOV, RIZA [Plays and a comedy. Translated from the Tatar] Dramy, komediia. Kazan', Tatarskoe knizhnoe izd-vo, 1962. 230 p.
(MH)

ISMAILOV, IAKUB. [Life and works of Abdulla Shaik. Zhizn' i khudozhestvennoe tvorchestvo Abdulla Shaika. Baku, Akad. nauk Azerbaidzhanskoi SSR] 1962. 209 p. [In Azerbaijani]

deeds without envy;
; bezzavistno, istori-
e knizhnoe izd-vo,

Dramaturgiia
oe knizhnoe izd-vo,

e] Khettskii iazyk,
, 1963. 221 p.
friki)

, a novel] Poslednee
lde, Buriatskoe

ken; an historical
ign to overthrow the
rosnulis'; istoriche-
verzhenie tatarskogo

KARELIN, L V [Microdistrict, a novel] Mikroraion, roman Moskva, Sovetskaia Rossiia, 1962. 1 v.
(MH)

KAREV, G A [The crew of the Bedovyi, stories] Ekipazh Bedovogo, [rasskazy] Kyiv, Derzhlitvydav, 1962 158 p
(MH)

KESHOKOV, A. P [Verse and a poem Translated from the Kabardian] Stikhotvoreniia, poema Moskva, Gos izd-vo khudozh lit-ry, 1959 302 p (Biblioteka sovetskoi poezii)
(NNC)

KLTLINSKAIA, V.K. [Courage] Muzhestvo. Moskva, Gos. izd-vo khudozh lit-ry, 1957. 685 p.
(OU)

KEZHUN, B A [Lyrics and satire] Lirika i satira. Leningrad, Sovetskii pisatel', 1960 202 p.
(KU)

KHOSTIKOEVA, Z. A. [Dawn in my window Translated from the Ossetic] Zaria v moem okne. [Moskva] Molodaia gvardiia, 1962 63 p
(NNC)

KIRIUSHKIN, V. V. [Skhuna Larga, adventure stories] Skhuna Larga; prikliuchencheskie povesti [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1962. 365 p. illus
(MH)

KLANICZAY, T., J. SZAUDER, and M. SZABOLCSI [Concise history of Hungarian literature from the 11th to the 20th century. Translated from the Hungarian] Kratkaia istoriia vengerskoi literatury XI-XX veka. [Budapest] Izd-vo Korvina, [1962] 403 p.

KOLBIN, M.I. [Guerillas, a historical tale] Partizany; istoricheskoe povestvovanie. Vladivostok, Primorskoe knizhnoe izd-vo, 1962. 397 p.
(MH)

KOPTELOV, A. L. [Great beginning, a novel] Bol'shoi zachin; roman. Moskva, Goslitizdat, 1963. 126 p. (Roman-gazeta, no. 12(288))

KORABLINOV, V A [Devil's ravine, a novel] Chertov log; roman. [Voronezh] Voronezhskoe knizhnoe izd-vo, 1962. 264 p.
(MH)

KORSUNS'KA, B. L. [Revolutionary poetry of the masses related to the October Revolution] Masova revoliutsiina poeziia Zhovtnia. Kyiv, Vyd-vo Akad. nauk URSR, 1960. 210 p.
(InU)

KOTLIAREVS'KYI, IVAN [Aeneid, poems] Eneida, poezii Kyiv, Radians'kyi pys'mennyk, 1962. 325 p. (Biblioteka poeta)
(NN)

KOZHEVNIKOV, V. M. [Greeting the dawn, a tale] Zare navstrechu, povest'. Moskva, Gos. izd-vo detskoi lit-ry, 1958. 703 p. (Shkol'naia biblioteka)
(OU)

KRASNOV, A.M. [I come to you; verse] Idu k tebe, stikhi. [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1962. 86 p.
(MH)

KRAVTSIV, BOHDAN. [Dzvenislava; a garland of sonnets] Dzvenislava, vinok sonetiv. [Jersey City] 1962. 19 p.
(NN)

KRON, A. A [Plays] P'esy. Moskva, Iskusstvo, 1955 343 p.
(OU)

KRUGOVYKH, N. P. [You cannot fetter honor; a novel] Chest' iarma ne prigmet; roman. [Minsk] Gosizdat BSSR, 1962. 586 p.
(MH)

KRUTETSKII, A. K. [Sunny poem; stories] Solnechnaia poema; rasskazy. [Leningrad] Lenizdat, 1963. 137 p. illus.
(MH)

KUCHAR, A.E. [On the Dvina, Nemiga, Vilia; plays and scenarios] Nad Dzvinoi, Niamihai, Viliai, p'esy i kinostsenaryi. Minsk, Dziarzh. vyd-va BSSR, 1962. 301 p.
(MH)

KUCHEROV, A.IA. [Service of two comrades. Three. Gay holidays] Sluzhiti dva tovarishcha. Troe. Veselye prazdniki. [Leningrad] Lenizdat, 1962. 284 p.
(MH)

KUZNETSOV, A.I. [Literary Petrovsko-[illegible] pages of a chronicle] Literaturnoe Petrovskoe, stranitsy khroniki [Moskva] M [illegible] rabochii. 1963. 102 p

KUZNETSOV, V.N [I remain a romantic [illegible] new verse] IA ostaius' romantikom; kniga [illegible] stikhov. [Moskva] Molodaia gvardiia, 1962 [illegible]

KYSILEVS'KYI, KOST. [Anthology of Ukrainian [illegible] ture for schools and courses in Ukrainian [illegible] Khrestomatiia z ukrains'koi literatury dlia kursiv ukrainoznavstva. New York ["Tumo [illegible] 205 p.
(CaAEU)

JAGIĆ, VATROSLAV. [Letters written by I V [illegible] Russian scholars, 1865-1886] Pis'ma I V [illegible] russkim uchenym, 1865-1886 Izd podgot [illegible] Blok i T.I Lydenko. Pod red. V V. Vinogr [illegible] G P Bloka, Moskva, Izd-vo Akad. nauk [illegible] 527 p

LAGIN, LAZAR', [Island of disappointment] [illegible] razocharovaniia. Novosibirsk, Novosibirskoe izd-vo, 1958 425 p
(IU)

LAGUNOV, K. IA. [Morning of the golden [illegible] Utro zolotoi doliny, roman. Stalinabad, [illegible] gos. izd-vo, 1961. 360 p
(NNC)

[LATIN-RUSSIAN DICTIONARY. About 20,000 [illegible] Latinsko-russkii slovar'. Okolo 20 000 slov, Izd. 2, dop. A.M Malinin, sost. Moskva, [illegible] vo inostr. i natsional'nykh slovarei. 1961. [illegible]
(NN)

LAVUT, P.I. [Maiakovskii travels through the [illegible] reminiscences] Maiakovskii edet po Sovet[illegible] nania Moskva, Izd-vo "Sovetskaia Rossiia" [illegible] 182 p.

LAZUTIN, S.G., ed [Voronezh folk songs, [illegible] of folklore written down by students] Voron[illegible] narodnye pesni; sbornik fol'klornykh zapisei [illegible] Voronezh, Izd-vo Voronezhskogo univ [illegible]
(NIC)

LERMONTOV, M. IU. [A hero of our time] [illegible] nashego vremeni, Moskva, Goslitizdat, 1963

[LETTER TO GOD; stories by Latin American [illegible] Translated from the Spanish] Pis'mo bogu, [illegible] pisatelei Latinskoi Ameriki. Moskva, Izd "Pravda," 1963. 46 p. (Biblioteka "Ogonek [illegible]

LIETUVOS TSR MOKSLU AKADEMIJA, Vilnius Lietuviu kalbos ir literaturos institutas. [R priests and people, antireligious Lithuanian literature] Dangus kunigai ir liaudis, antireli[illegible] lietuviu tautosaka. Vilnius, Valstybine [illegible] literaturos leidykla, 1963. 361 p. [In Lith[illegible]

[LIGHT-BLUE HORIZON; works of writers of [illegible] group] Lekhosynia dal'; vaplitians'kyi zbirnyk [illegible] dkyvannia, redaktsiia i prymitky IUrka I[illegible] New York, Vyd-vo "Prolok," 1963. 149 p

LINSHAILO, L., E. D. OKSIUKEVICH, and A. V [illegible] [Textbook of the Chinese language] Uchebnik [illegible] go iazyka. Pod red. L Linshailo Moskva, [illegible] torgizdat.
Pt. 2. 1963. 426 p.

LISIANSKII, M. S. [Hello; a new book of verses] Zdravstvui, novaia kniga stikhotvorenii. M[illegible] Sovetskii pisatel', 1962. 159 p.
(MH)

LISNIANSKAIA, I. L. [This is not simply love, [illegible] Ne prosto, liubov'; stikhi. Moskva, Sovetskii [illegible] 1963. 97 p.
(MH)

LIUBINSKII, I. L. [Theater and children] Teatr [illegible] Moskva, Izd-vo APN RSFSR, 1962. 107 p

LÖNNBOHM, A. E. L. [Selected works. Translated [illegible] the Finnish] Izbrannoe. Moskva, Gos. izd-vo [illegible] lit-ry, 1956. 278 p. [Publ. under his pseud. Eino Leino]
(CtY)

LOPATTO, MIKHAIL. [Verse] Stikhi. Paris, [illegible] 187 p.
(MH)

LUKHMANOV, D.A. [Salty wind] Solonyi veter [Odessa] Odesskoe knizhnoe izd-vo, 1961. [illegible]
(NNC)

L'VOV, M.D. [Lyrics, verse of various years] Lirika; stikhi raznykh let. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1962. 171 p.
(MH)

L'VOV. UNIVERSYTET. Kafedra klasychnoi filologii. [Publius Ovidius Naso, the bimillenary of his birth] Publii Ovidii Nazov; do 2000-richchia z dnia narodzhennia. [L'viv] Vyd-vo L'vivs'koho univ. 1960. 100 p.
(CaOTU)

MAIAKOVSKII, V.V. [Verse. Poems] Stikhotvoreniia. Poemy. Moskva, Goslitizdat, 1963. 589 p.

MAKOVSKII, S.K. [Requiem, the ninth book of verse] Requiem, deviataia kniga stikhov. Paris, Rifma, 1963. 72 p.

MALTZ, ALBERT. [The cross and the arrow. Translated from the English] Krest i strela. Poslesloviе R. Orlovoi. Moskva, Izd-vo inostr. lit-ry, 1961. 455 p.
(DNJ)

MARSHAK, S.IA. [Who called forth the storm] Kto vyzval buriu. [Moskva, "Detskii mir," 1962. 8 p. illus.
(NIP)

MARTOVYCH, LES'. [Superstition, stories and a tale] Sueverie, rasskazy i povest'. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 500 p.
(NIU)

MARTYNOV, G.S. [Guest from the abyss, science fiction] Gost' iz bezdny; nauchno-fantasticheskii roman. [Leningrad] Lenizdat, 1962. 418 p.
(MH)

MASLIN, N.N. [Sholokhov's novels] Roman Sholokhova. Moskva, Izd-vo Akad. nauk SSSR, 1963. 254 p.

MEDUSHCHENKO, A.A. [The world of depths; verse] Mir glubin, stikhi. Moskva, Voenizdat, 1963. 84 p.
(MH)

MELINOVSKIS, V., comp. [Latvian stories. Translated from the Latvian] Latyshskie rasskazy, sbornik. Moskva, Sovetskii pisatel', 1962. 362 p.
(MH)

MERILAAS, KERSTI. [A swallow from the coast, verse, 1938-1958] Rannapiirsuko; luuletusi 1938-1958. Tallinn, Eesti Riiklik Kirjastus, 1962. 129 p. [In Estonian]
(MH)

MINUTKO, I.A. [I am eighteen years old; a tale] Mne vosemnadtsat' let, povest'. [Tula] Tul'skoe knizhnoe izd-vo, 1962. 260 p.
(MH)

MOLCHANOV-SIBIRSKII, I.I. [Lyrics] Lirika. Irkutsk, Irkutskoe knizhnoe izd-vo, 1959. 225 p.
(IaU)

MONASTYREV, V.A. [Stories of Cossack infantrymen] Rasskazy o plastunakh. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1962. 133 p.
(MH)

MOSCOW. MUZEI A.S. PUSHKINA. [The A.S. Pushkin Museum in Moscow] Muzei A.S. Pushkina v Moskve. Moskva, Moskovskii rabochii, 1962. 191 p. (Po muzeiam i vystavkam Moskvy i Podmoskov'ia)
(CSt)

MYL'NIKOV, A.S. [Pavel Šafárik, outstanding Slavic scholar] Pavel Shafarik vydaiushchiisia uchenyi-slavist. Moskva, Izd-vo Akad. nauk SSSR, 1963. 110 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

NAGAEV, G.D. [The new age; a novel] Novyi vek, roman. [Moskva] Moskovskii rabochii, 1961. 1 v.
(MH)

NAGISHKIN, D.D. [The tale and life; letters about tales] Skazka i zhizn'; pis'ma o skazke. Moskva, Gos. izd-vo detskoi lit-ry, 1957. 268 p.
(IU)

NAHTIGAL, RAJKO. [Slavic languages. Translated from the Slovenian] Slavianskie iazyki. Pod red. i s predisl. S.B. Bernshteina. Moskva, Izd-vo inostrannoi lit-ry, 1963. 341 p.

NAUCHNAIA SESSIIA, POSVIASHCHENNAIA LITERATURNYM SVIAZIAM RUSSKOGO, AZERBAIDZHANSKOGO, ARMIANSKOGO I GRUZINSKOGO NARODOV, 1st, Tiflis, 1960. [Materials of the Scientific Session Devoted to the Literary Relations Among the Russian, Azerbaijani, Armenian, and Georgian Peoples] Materialy, Tbilisi, Izd-vo Tbilisskogo univ. 1962. 146 p.
(MH)

NIKITIN, S.K. [Sea breeze; stories] Morians; rasskazy. Moskva, Izd-vo "Pravda," 1963. 45 p. (Biblioteka "Ogonek," no. 27)

NIKOL'SKII, B.N. [Obstacle course, stories about soldiers] Polosa prepiatstvii; rasskazy o soldatakh. Leningrad, Detgiz, 1963. 90 p.

NORDGREN, AILI. [He who has pointed out the road. Burn, fire. Translated from the Swedish] Ukazavshii put'. Gori, ogon'. [Moskva] Molodaia gvardiia, 1960. 350 p.
(CtY)

NOVOSKOL'TSEV, V.A. [Hearts and rings, stories] Serdtsa i kol'tsa, rasskazy. Moskva, Fizkul'tura i sport, 1962. 71 p.
(MH)

NOVOZYBKOV GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Kafedra russkoi i zarubezhnoi literatury. [Writers of the land of Bryansk] Pisateli Brianskogo kraia. [n.p.] Izd-vo "Brianskii rabochii," 1963. 199 p.

OCHERETIN, V.K. [Siren, a novel] Sirena; roman. Moskva, Sovetskaia Rossiia, 1962. 318 p.
(MH)

OKHOTINA, N.V., N.G. FEDOROVA, and I.P. IAKOVLEVA. [Russian-Swahili phrase book] Russko-suakhiliiskii razgovornik. Moskva, Izd-vo Vostochnoi lit-ry, 1963. 142 p.

OSHANIN, L.I. [Selected works] Izbrannoe. Moskva, Goslitizdat, 1963. 382 p.

OSIPOV, E.V. [Milch billy goat, fables, feuilletons, and verse] Molochnyi kozel, basni, fel'etony, stikhi. [Riazan'] Riazanskoe knizhnoe izd-vo, 1962. 95 p.
(MH)

[OUR NATIVE LAND; stories and verse by writers of the Russian Federation] Krai nash rodnoi; rasskazy i stikhi pisatelei Rossiiskoi Federatsii. Moskva, Gos. izd-vo detskoi lit-ry, 1959. 320 p. (Shkol'naia bibliotekа)
(MIDW)

[QUEEN OF THE SWANS, Lithuanian folk tales] Korolova lebed'; litovskie narodnye skazki. Vilnius, Gos. izd-vo khudozh. lit-ry Litovskoi SSR, 1962. 410 p.
(NNC)

PADALKA, P.K., comp. [Ukrainian literature; a manual for the 8th grade in schools using the Ukrainian and Russian languages] Ukrains'ka literatura; pidruchnyk dlia 8 klasu shkil z ukrains'koiu i roslis'koiu movamy navchannia. Kyiv, Radians'ka shkola, 1960. 285 p.
(WaU)

PADERIN, G.N., and others. [There's always a place for the heroic deed; beautiful people] Vsegda est' mesto podvigu; krasivye liudi. Moskva, Profizdat, 1962. 230 p.
(CSt-H)

[PANORAMA OF CURRENT UKRAINIAN LITERATURE; poetry, prose, criticism] Panorama sainovishoi literatury v URSR; poeziia - proza - kritika. Uporiadkuvannia, vstupna stattia i biograficheni dovidky Ivana Koshelivtsia. New York, Vyd-vo "Proloh," 1963. 367 p.

PARKHOMOV, M.N. [The game begins from the center; a tale] Igra nachinaetsia s tsentra; povest'. [Moskva] Molodaia gvardiia, 1963. 188 p. (Fantastika, puteshestviia, prikliuchenita)
(MH)

PASHKOV, D.K. [The Manchu language] Man'chzhurskii iazyk. Pod obshchei red. G.P. Serdiuchenko. Moskva, Izd-vo vostochnoi lit-ry, 1963. 65 p. (IAzyki Zarubezhnogo Vostoka i Afriki)

PELMANIS, LAIMON. [Problem of bubbles; satiric poems] Burbuļu problema; satīriski dzejoļi. Riga, Latvijas valsts izdevniecība, 1963. 110 p. [In Latvian]

PENZHIEV, M. [Numerals in the present-day Turkmen language. Imena chislitel'nye v sovremennom turkmenskom iazyke; monografiia. Pod obshchei red. Baskakova, N.A. Red. D. Berdiev.] Chardzhou, 1962. 214 p. [In Turkmen]
(MH)

[PERMIT ME TO TROUBLE YOU, satirical stories, verse, fables, feuilletons, and dramatic sketches] Razreshite pobespokoit'; satiricheskie rasskazy, stikhi, basni, fel'etony, dramaticheskie etsenki. [Tula] Tul'skoe knizhnoe izd-vo, 1962. 101 p.
(MH)

PLATONOV, A.P. [Stories] Rasskazy. Moskva, Goslitizdat, 1962. 253 p.
(MH)

PODELKOV, S.A. [Burning trees, verse of various years] Goriashchie derev'ia, stikhotvoreniia raznykh let. Moskva, Sovetskii pisatel', 1963. 214 p.
(MH)

POKUSAEV, E.I., ed. [N.G. Chernyshevskii, articles, studies, and materials] Chernyshevskii, stat'i, issledovaniia i materialy. [Saratov] Izd-vo Saratovskogo univ.
Vol. 2. 1961.
(NN)

POLONSKAIA, K.P. [Roman poets in the period of Augustus' principate] Rimskie poety epokhi printsipata Avgusta. [Moskva] Izd-vo Mosk. univ. 1963. 105 p.

PONIATOVSKAIA, INNA. [A quarter to nine, a tale] Bez chetverti deviat', povest'. [Lipetsk] Lipetskoe knizhnoe izd-vo, 1962. 238 p.
(MH)

PORTER, W.S. [Cabbages and kings. Translated from the English] Koroli i kapusta. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962. 186 p. [Author's pseud. O. Henry]
(NN)

POSKA, DIONIZAS. [The peasant of Samogitia and Lithuania, a poem. Translated from the Lithuanian] Muzhik Zhemaitii i Litvy, poema. [Vilnius, Gos. izd-vo Khudozh. lit-ry Litovskoi SSR, 1962. 53 p.
(NN)

PRESMAN, G.A. [Another's success] Chuzhaia udacha. [Voronezh] Voronezhskoe knizhnoe izd-vo, 1962. 139 p.
(MH)

PRISTAVKIN, A.I. [Little stories] Malen'kie rasskazy. Moskva, Sovetskii pisatel', 1962. 157 p.
(MH)

PROSKURIN, P.L. [The price of bread, stories and tales] TSena khleba, rasskazy i povesti. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1961. 165 p.
(KU)

PROSKURIN, P.L. [Roots are revealed in a storm; a novel] Korni obnazhaiutsia v buriu, roman. Moskva, Sovetskii pisatel', 1962. 283 p.
(MH)

PUMPIANSKII, A.L. [The English literary language; interrelation of pronunciation and spelling] Angliiskii literaturnyi iazyk; sviaz' proiznosheniia i pravopisaniia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 151 p.

PUSHKIN, A.S. [Complete collected works] Polnoe sobranie sochinenii. Izd. 3. Moskva, Izd-vo Akad. nauk SSSR, 1962-
(InU)

PUSHKIN, A.S. Mednyi vsadnik. The Bronze horseman. London, Bradda Books [1961] 38 p.
(OU)

REGIONAL'NOE SOVESHCHANIE PO PEREVODU LITERATURY S RUSSKOGO NA IAZYKI NARODOV SREDNEI AZII, KAZAKHSTANA I AZERBAIDZHANA, Alma-Ata, 1958. [Materials of the Regional Conference on the Translation of Literature from the Russian into the Languages of the Peoples of Central Asia, Kazakhstan, and Azerbaijan] Materialy. Alma-Ata, Kazakhskoe gos. izd-vo, 1960. 394 p.
(WU)

REZ, Z.IA. [Studying M.IU. Lermontov in school] M.IU. Lermontov v shkole. Izd. 2, dop., Leningrad, Uchpedgiz, 1963. 221 p.

[RIDDLES; Russian folk riddles] Listki-zagadki; russkie narodnye zagadki. Moskva, Detgiz, 1962. 23 p.
(NIC)

ROMANENKO, L.N. [I believe in man] Veriu v cheloveka. Riga, Latviiskoe gos. izd-vo, 1962. 105 p.
(MH)

ROMANOVSKII, VSEVOLOD, ed. [The sea. Translated from the French] More. [By] V. Romanovskii i dr. *Pod obshchei red.* I. P. Magidovicha. Moskva, Izd-vo inostrannoi lit-ry, 1960. 619 p.
(WaU)

ROZHDESTVENSKII, B. V. [Studying the composition of literary works in secondary schools] Izuchenie kompozitsii literaturnykh proizvedenii v srednei shkole, posobie dlia uchitelei. Moskva, Gos. uchebno-pedagog. izd-vo, 1958. 99 p.
(OU)

[RUSSIAN-FRENCH PHRASE BOOK] Russko-frantsuzskii razgovornik. [By] M. M. Kudriavtsev, S. V. Nevelov, i A. Starikovskii. 2. izd. Moskva, Izd-vo lit-ry na inostr. iazykakh, 1962. 309 p.

RYLENKOV, N. I. [A tale of my childhood] Skazka moego detstva. Moskva, "Sovetskaia Rossiia," 1962. 131 p. (Kratkie povesti i rasskazy)
(NIC)

SADOVSKII, EFRIM. [Lives and fates, stories] Zhizni i sud'by, rasskazy. Minsk, Gosizdat BSSR, 1962. 143 p.
(MH)

SAPONOV, V. A. [Book of wanderings] Kniga stranstvii. Moskva, Sovetskaia Rossiia, 1962. 390 p.
(MU)

SAKSONOV, VLADIMIR. [Tale about sailor boys] Povest' o liudiakh. Moskva, Detgiz, 1963. 109 p.

SAL'NIKOV, A. A. [Steadfastness; a novel] Stoikost', roman. [Frunze, Kirgizskoe gos. izd-vo, 1962] 272 p. illus.
(MH)

SARATOV. DOM MUZEI N. G. CHERNYSHEVSKOGO. [Guide to the N. G. Chernyshevskii Museum] Putevoditel'. [Saratov] Saratovskoe knizhnoe izd-vo, 1962. 97 p.
(MH)

SAULIETIS, BRUNO. [A very happy man, humoresques] Ludi Jautra cilveka; deviņas humoreskas. Riga, Latvijas valsts izd-ba, 1961. 102 p. [In Latvian]
(MH)

SAVVATEEV, A. P. [Tale of the past] Povest' o proshlom. [Kuibyshev, Kuibyshevskoe knizhnoe izd-vo, 1963] 181 p.
(MH)

[SERBIAN FOLK TALES. Translated from the Serbian] Serbskie narodnye skazki. Moskva, Gos. izd-vo khudozh. lit-ry, 1956. 231 p. illus.
(InU)

[SERBO-CROATIAN-RUSSIAN POCKET DICTIONARY. 9,400 words] Karmannyi serbskekhorvatsko-russkii slovar'. Sost. V. P. Gudkov. 8400 slov. Moskva, Gos. izd-vo inostr. i natsional'nykh slovarei, 1963. 411 p.

SEREBRIAKOVA, G. I. [Summits of life; a novel] Vershiny zhizni, roman. Moskva, Sovetskii pisatel', 1962. 320 p.
(NIC)

SEROGEV, M. A., ed. [Creative work of the people of the North] Tvorchestvo narodov Severa. [Leningrad] Leningr. gazetno-zhurnal'noe i knizhnoe izd-vo, 1955. 446 p.
(CU)

SHADAEV, A. I. [In the dense taiga, a tale] Bai taiga soo, povest'. Ulan-Ude, Buriadskii nomoi knizhnyi, 1959. 147 p. [In Buryat]
(WaU)

SHAKHOVSKII, B. M. [To friends in happiness] Druz'iam po schast'iu. Astrakhan', Izd-vo Volga, 1962. 87 p.
(MH)

SHAKHOVSKII, S. M. [Lyric poetry and lyric poets, on the art of Soviet Ukrainian poetry] Lirika i liriki; o masterstve ukrainskoi sovetskoi poezii. [Moskva] Sovetskii pisatel', 1963. 360 p.

SHARIPOVA, GAISHA. [Gafur's family; a novel] Sem'ia Gafura, roman. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. lit-ry, 1962. 223 p.
(NIC)

SHAUMIAN, S. K., and P. A. SOBOLEVA. [Applicational generative model and transformational calculus as applied to the Russian language] Applikativnaia porozhdaiushchaia model' i ischislenie transformatsii v russkom iazyke. Moskva, Izd-vo Akad. nauk SSSR, 1963. 124 p. (Doklady sovetskoi delegatsii. V Mezhdunarodnyi s"ezd slavistov) [With summary in English]

SHEDVIGOVSKII, I. D. [Courage needs wings, sketches and stories] Muzhestvu nuzhny kryl'ia, ocherki i rasskazy. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1962. 66 p.
(MH)

SHEVERDIN, M. I. [The alarm, a novel] Nabat; roman. Moskva, Sovetskii pisatel' 1962. 2 v.
(MH)

SHIBKO, M. M. [Forty years of a satanical regime in Russia, verse] Sorok let satanitskoi vlasti na Rusi, stikhotvoreniia. New York, 1957. 95 p.
(InU)

SHIMAKOV, A. A. [Our literary yesterday, historical and biographical sketches] Nashe literaturnoe vchera, istoriko-biograficheskie ocherki. [Cheliabinsk], Chelia-binskoe knizhnoe izd-vo, 1962. 162 p.
(NIC)

SHTEIN, A. P. [Plays] P'esy. Moskva, Iskusstvo, 1958. 229 p.
(OU)

SHUTOV, I. N. [Spring thunder, a novel] Vesenii brom, roman. Kyiv, Derzhlitvidav, 1963. 271 p.
(MH)

SHVARTS, E. L. [Plays] [P'esy] Leningrad, Sovetskii pisatel', 1962. 692 p.
(OU)

SIMONOV, K. M. [Verse, poems, and free translations, 1936-1961] Stikhi, poemy, vol'nye perevody, 1936-1961. Moskva, Sovetskii pisatel', 1962. 421 p.
(NN)

SKRYHAN, IANKA. [Tell me just a word, tales and stories] Skazhy adno slova, apovesti i apaviadanni. Minsk, Dziarzh. vyd-va BSSR, 1961. 178 p.
(MH)

SLUCKIS, MYKOLAS. [By one miracle less; stories. Translated from the Lithuanian] Odnim chudom men'she, rasskazy. Vil'nius, Gosilitizdat Litovskoi SSR, 1962. 506 p.
(MH)

SOIUZ PISATELEI RSFSR. Smolenskoe otdelenie. [Dnepr Valley; prose, verse, and literary criticism] Pridneprov'e, proza, stikhi, literaturnaia kritika. [Smolensk] Smolenskoe knizhnoe izd-vo, 1962. 302 p.
(MH)

SOKOLOV, G. A. [Along the path of the avalanche, stories] Dorogoiu lavin, rasskazy. Cherkassk, Karachaevo-Cherkasskoe knizhnoe izd-vo, 1962. 221 p. illus.
(MH)

STAFEEV, G. I. [Old Russian literature, a teacher's textbook] Drevnerusskaia literatura, posobie dlia uchitelia. Moskva, Izd-vo APN, 1963. 136 p.

STAROSTIN, V. A. [The flying ship; a tale] Letuchii korabl', skazka. [Kostroma] Kostromskoe knizhnoe izd-vo, 1961. 55 p.
(MH)

STRUGATSKII, A. N., and BORIS STRUGATSKII. [Probationers, science fiction] Stazhery; nauchno-fantasticheskaia povest'. [Moskva] Molodaia gvardiia, 1962. 253 p. illus.
(NIC)

SUITIN, G. I. [Family secret; a tale] Semeinyi sekret; povest'. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1962. 178 p. illus.
(MH)

SYNEL'NYKOV, L. I. [Good word; one-act plays] Dobroe slovo; odnoaktnii p'esy. Kyiv, Mistetstvo, 1963. 157 p.

TAGANROG. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. [A. P. Chekov, the great word artist; papers] A. P. Chekhov — velikii khudozhnik slova, sbornik statei. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1960. 260 p.
(ICU)

TALVIR, ALEKSEI. [Living branch, tales. Translated from the Chuvash] Zhivaia vetka. Moskva, Sovetskaia Rossiia, 1962. 371 p.
(MH)

TEKUCHEV, A. V. [Grammatical analysis in school] Grammaticheskii razbor v shkole. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 304 p.

TENISHEV, E. R. [The Salar language] Salarskii iazyk. Moskva, Izd-vo vostochnoi lit-ry, 1963. 64 p. (IAzyki zarubezhnogo Vostoka i Afriki)

TIKHOMIROV, M. I. [General Lukach, a novel] General Lukach, roman. [Moskva] Molodaia gvardiia, 1963. 379 p.
(MH)

TKACHENKO, A. S. [Salty shore, stories] Solenyi bereg, rasskazy. [Ufimo-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1962. 168 p.
(MH)

TKACHUK, OL'HA. [Toward freedom, a novel] Navstrechu vole, roman. Moskva, Sovetskii pisatel', 1962. 402 p.
(MH)

TOLIS, P. [In search of the tulips, a collection of stories. Translated from the Tajik] Za tul'panami, [sbornik rasskazov] Dushanbe, Tadzikgosizdat, 1962. 154 p. illus.
(MH)

TOLSTOI, L. N. [The Cossacks. A Caucasian tale] Kazaki. Kavkazskaia povest'. Izd. podgotovila L. D. Opul'skaia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 414 p. (Literaturnye pamiatniki)

[TSAREVNA-FROG, a Russian folk tale in A. N. Tolstoi's version] TSarevna-liagushka, russkaia narodnaia skazka v obrabotke A. N. Tolstogo. Moskva, Sovetskaia Rossiia, 1961. 16 p.
(IU)

TSURIKOVA, G. M. [Boris Kornilov, an outline of his works] Boris Kornilov, ocherk tvorchestva. Moskva, *Sovetskii pisatel'*, 1963. 245 p.

TSYDENDAMBAEV, CHIMIT. [Cloudburst on the steppes, stories. Translated from the Buryat] Liven' v stepi, rasskazy. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 253 p.
(MH)

TUMANOVA, Z. A. [Torch in the wind, stories] Fakel na vetru, rasskazy. Tashkent, Gosilitizdat UzSSR, 1962. 157 p.
(MH)

TURGENEV, I. S. [Spring floods] Veshnie vody. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 281 p. illus.
(MiU)

UKRAINKA, LESIA. [Spring storm, lyrics] Buria veesnians, liryka. Kyiv, Vyd-vo TsK LKSMU "Molod'," 1963. 201 p.

[UNITED FOREVER] Naviky vozz'iednania. [Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1959.] 501 p.
(CtY)

USATOV, D. M., and E. G. TE. [Russian-Korean phrase book] Russko-koreiskii razgovornik. [Moskva] Izd-vo lit-ry na inostr. iazykakh, 1962. 197 p.

VALGINA, I. S., and others. [Modern Russian language] Sovremennyi russkii iazyk. Moskva, Vysshaia shkola, 1961. 451 p.
(NIC)

VANSHENKIN, K. IA. [Selected works] Izbrannoe. Moskva, Gosilitizdat, 1963. 253 p.

VASILEVSKII, A. A. [The "Saira" puts out to sea, a tale] "Saira" ukhodit v more, povest'. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1960. 212 p.
(KU)

VEJANS, ANDRIS, pseud. [The roots give songs to the leaves, a poem] Saknes dod lapotnei dziesmu, dzeja. Riga, Latvijas valsts izdevnieciba, 1961. 156 p. [In Latvian]
(MH)

VEREISKAIA, E. N. [In those years, stories about revolutionary events of 1901-1907] V te gody, rasskazy o revoliutsionnykh sobytiiakh 1901-1917 godov. Leningrad, Detgiz, 1963. 270 p. (Istoriko-revoliutsionnaia biblioteka)

VERSHIGORA, P. P. [Home, a novel] Dom rodnoi; roman. Moskva, Sovetskii pisatel', 1962. 497 p.
(CaOTU)

VLADIMIROVA, N. V. [The Soviet Uzbek short story] Uzbekskii sovetskii rasskaz. Tashkent, Gos. izd-vo khudozh. lit-ry UzSSR, 1962. 158 p.
(NIC)

VOL'KENSHTEIN, V. M. [Spartacus, The new Prometheus; plays] Spartak, Novyi Prometei; p'esy. Moskva, Sovetskii pisatel', 1962. 194 p.
(MH)

VOLKOV, N V [The hand does not tremble; a novel] Ne drognet ruka, roman [Krasnoiarsk] Krasnoiarskoe knizhnoe izd-vo, 1962 289 p.
(MH)

VOL'NOV, A A. [Golden fall; stories] Zolotoi listopad, rasskazy. [Gor'kii] Gor'kovskoe knizhnoe izd-vo, 1962. 157 p.
(MH)

VOLYNS'KYI, P K [Basic theory of literature, an introduction to literary science] Osnovy teorii literatury, vstup do literaturoznavstva Kyiv, "Radians'ka shkola," 1962. 350 p.
(InU)

VOVCHOK, MARKO, pseud. [Living soul; a novel] Zhivaia dusha; roman. Kiev, Izd-vo TsK LKSMU "Molod'" 1962. 331 p. [Author's real name M O Markovych)
(NIC)

VOZNESENSKII, ANDREI [They fattened me with formalism] Menia pugalut formalizmom. [London] Flegon Press [1962] 53 p.
(NcD)

VYSHESLAVSKII, L [My tidings; a book of lyrics] Moi izvestiia, kniga liriki. Kyiv, Derzh. vyd-vo khudozh lit-ry, 1962 106 p
(NN)

[WHO, WHEN, WHY? Translated from the Polish] Kto, kogda, pochemu? Moskva, Gos izd-vo detskoi lit-ry, 1961. 255 p.
(MiDW)

[YOUNG KHARKOV; stories, sketches, verse] Molodyi Kharkiv; opovidannia, narysy, virshi. [Kharkiv] Kharkivs'ke knyzhkove vyd-vo, 1963. 199 p.

ZAPADOV, A. V , ed. [History of Russian journalism in the 18th and 19th centuries] Istoriia russkoi zhurnalistiki XVIII-XIX vekov. [By] V.G. Berezina i dr. Moskva, Vysshaia shkola, 1963 515 p.

ZARUDNYI MYKOLA. [There are such children . . , a comedy in 2 acts] Ne i dity. . . Komediia na 2 chastyny Kyiv, Derzh. vyd-vo khudozh lit-ry, 1963. 80 p.
(NN)

ZHURAVLEVA, V. N. [Man-made Atlantis] Chelovek sozdavshii Atlantidu Moskva, Degtr, 1963. 124 p.

ZILEVICIUS, RIMAS [Fire of friendship] Draugystes ugnis. Vilnius, Valstybine politines ir moksalines literaturos leidykla, 1962. 44 p. [In Lithuanian]
(MH)

ZUBAVIN, B. M. [Mishka; tales and stories] Mishka; povesti i rasskazy. [Moskva] Molodaia gvardiia, 1963. 235 p.
(MH)

ZVANTSEV, SERGEI, pseud. [Lawyers; a satirical tale it is ridiculous; humorous stories] Advokaty, satiricheskaia povest'. Smeshno skazat'; iumoristicheskie rasskazy. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1962 125 p.
(MH)

12. GEOGRAPHY & GEOLOGY

AKADEMIIA NAUK SSSR. Institut merzlotovedeniia. [Permanently frozen rocks in various regions of the U.S.S.R.] Mnogoletnemerzlye gornye porody razlichnykh raionov SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963 238 p.

AKADEMIIA NAUK SSSR. Laboratoriia vulkanologii. [Volcanism of Kamchatka and some other areas of the U.S.S.R.] Vulkanizm Kamchatki i nekotorykh drugikh raionov SSSR Moskva, Izd-vo Akad. nauk SSSR, 1963. 250 p.

ALFIMOV, IU. V. [Two steps from the equator] Do ekvatora dva shaga. Moskva, Izd-vo Znanie, 1963. 63 p. (Prochti tovarishch)

[ALUPKA; an excursion sketch; its nature, history, sanatoriums, the palace-museum, its park, and an information directory] Alupka; ekskursionnyi ocherk; priroda, istoriia, zdravnitsy, dvorets-muzei, park, spravochnye svedeniia. Simferopol', Krymizdat, 1963. 78 p.

BABAKHANOV, R. A., and F. S. SEIDOV. [G. Z. Shirvani, great traveller and scholar] Hachy Zeinalabdin Shirvani. Baky, Azerbaichan Ushag ve Kelchler Edebiiiaty Neshriiaty, 1961. 74 p. [In Azerbaijani]

BAGMANOV, M. A. [Paleogene sediments of the Gornyy Talysh, stratigraphy and molluscan fauna] Paleogenovye otlozheniia Gornogo Talysha, stratigrafiia i molliuskovaia fauna Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 141 p.

BALAKHONOV, V I [Feodosiya' study and guidebook] Feodosiia, ocherk-putevoditel'. Simferopol, Krymizdat, 1963. 143 p.

BELOUSOV, V. V. [Earth, its structure and development] Zemlia, ee stroenie i razvitie Moskva, Izd-vo Akad. nauk SSSR, 1963. 150 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serita)

BILIBIN, IU. A. [Selected works] Izbrannye trudy Moskva, Izd-vo Akad nauk SSSR
Vol 4. 1963 492 p.

[BORODINO tourist base and routes for tourist hikes and excursions] Borodino' turbaza, marshruty turistskikh pokhodov i ekskursii [Moskva] Profizdat, 1963. 17 p.

[COMMUNISM IS THE LIVING CREATION OF THE MASSES, album] Kommunizm - zhivoe tvorchestvo mass, al'bom. Moskva, Fabrika ofsetnoi pechati UPI MO, [1960] 10 plates.
(CSt-H)

EISNER, A V. [My sister Bulgaria, sketches] Sestra moia Bolgariia, ocherki Moskva, Sovetskii pisatel', 1963. 213 p

GEOGRAFICHESKOE OBSHCHESTVO SSSR [Manual] Spravochnik. Leningrad, 1962. 146 p.

["HIGHLANDS, MY MOTHER..." A photographic album] "Verkhovyno, maty moia..." fotoal'bom. Uzhgorod, [Zakarpats'ke oblosne knyzhkovo-hazetne vyd-vo] 1962 207 p. of illus
(NN)

IAKUBOVICH, A L [Use of scintillation apparatus for fast analysis of mineral resources] Uskorennyi analiz mineral'nogo syr'ia s primeneniem stsintillitatsionnoi apparatury. Moskva, Gosatomizdat, 1963 130 p

ISMAGILOVA, R. N. [Peoples of Nigeria; ethnic composition and brief ethnological characteristics] Narody Nigerii; etnicheskii sostav i kratkaia etnograficheskaia kharakteristika. Moskva, Izd-vo vostochnoi lit-ry, 1963. 273 p.

IVASK, ALBERT. [Haanjamaa] Khaan'iamaa. Tallin, Estonskoe Gos izd-vo, 1962. 69 p.
(MH)

KHALIFA-ZADE, CH. M. and S. M. ABBASOVA. [Siderite deposits in Daghestan] Sideritovye zalezhi Dagestana. Moskva, Izd-vo Akad. nauk SSSR, 1963. 133 p.

KHOKHRIAKOV, IU A. [The southern shore of the Crimea] IUzhnyi bereg Kryma. Izd. 2 Simferopol' Krymizdat, 1963. 162 p

KHRISHTOFOVICH, A N. [Selected works] Izbrannye raboty. Moskva, Izd-vo Akad. nauk SSSR, 1959-62.
Vol. 1. [Theoretical works] Teoreticheskie raboty
Vol. 2. [Geologic, stratigraphic, and paleobotanic works] Geologicheskie, stratigraficheskie i paleobotanicheskie raboty.
(RPB)

KONSTANTINOVA, T. M. [Novgorod; a brief guidebook] Novgorod; kratkii putevoditel'. Novgorod, Novgorodskii istoriko-arkhit. muzei-zapovednik. 1960. 37 p.
(ICU)

[KOSTROMA, handbook and guide] Kostroma; putevoditel'-spravochnik. [Kostroma] Kostromskoe knizhnoe izd-vo, 1963. 358 p.

KOVALEV, A. P. [Moscow guidebook] Putevoditel' po Moskve. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 429 p.

LEBEDINSKII, V. I. [Volcanoes, menacing phenomenon of nature] Vulkany—groznoe iavlenie prirody. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963. 106 p. (Nauchno-populiarnaia literatura)

LUKAVETS, A. I. [Toward a bright goal] Da svetlai mety. Minsk, Dziarzh. vyd-va BSSR, 1959. 66 p

MAKSIMOVA, S. N. [Sedimentation and the history of the development of the Kuznetsk Basin in the Lower Carboniferous] Osadkonakoplenie i istoriia razvitiia Kuznetskoi kotloviny v nizhnekamennougol'noe vremia Otv. red. G.I Teodorovich Moskva, Izd-vo Akad. nauk SSSR, 1963. 89 p. illus

MEKHTIEV, SH F , and AD A ALIEV. [Orga ter of Cretaceous and Tertiary sediments in t plan-Kuba Area] Organicheskoe veshchestvo vykh i tretichnykh otlozhenii Prikasplisko-K oblasti. Baku, Izd-vo Akad nauk Azerbaidzh SSR, 1963 157 p.

MEZHVEDOMSTVENNOE SOVESHCHANIE PO V GENII ZAPADNOGO ZABAIKAL'IA 1st, Irk 1956 [Transactions of the interdepartmental ference on the Metallogeny of Western Trans Trudy Irkutsk, Akademiia nauk SSSR, 1958
(ICMILC)

NIKOLAEVA, A. G , and V.I SARANKIN [Str than ice, documentary narrative about the Ar gators, captains Mikhail Vasil'evich and Nikol Mikhailovich Nikolaev] Sil'nee l'dov, dokume povest' o ledovykh kapitanakh Mikhaile Vasil' Nikolae Mikhailoviche Nikolaevykh Moskva "Morskoi transport," 1963 198 p

OLINSKII, M IA , and V. I. SHLIAPOSHNIKOV Crimea, guidebook and directory] Krym, put spravochnik Izd 5 Simferopol', Krymizd 202 p

PCHELIN, E , comp. [Historical places of th province of Volgograd, a guidebook] Po isto mestam Volgogrlada i oblasti, putevoditel' grad] Volgogradskoe knizhnoe izd-vo, 1962
(MH)

POLTORATS'KYI, O I [From east to west, t impressions: Czechoslovakia, Democratic G France] Zi skhodu na zakhid, podorozhni vr Chekhoslovachchyna, Demokratychna Nimec Frantsiia. Kyiv, Radians'kyi pys'mennykh, 169 p
(WaU)

RUSSIA (1923- U.S.S.R.) Glavnoe upravle zii i kartografii. [The Leningrad environs, ist's guide] Okrestnosti Leningrada, turist skhema [Moskva, 1963] 17 p

SAVCHENKO, A A. [Kalmyk A.S.S.R., a bri Sovetskaia Kalmykiia; kratkii ocherk. [Elis gosizdat, 1962. 43 p.
(CSt-H)

SERDIUCHENKO, D. P , A. V. GLEBOV, and V LOV. [Ludwigite mineralization and (Fe-B paragenesis in ancient platforms] Liudvigit mineralizatsiia i (Fe-B-TR) paragenez v dr platformakh. Moskva, Izd-vo Akad nauk S 133 p

SHANTYR', S. P. [Miskhor, Koreiz, and Gas guidebook] Miskhor, Koreiz, Gaspra, ocher ditel', Simferopol', Krymizdat, 1960 102
(NNC)

SOVESHCHANIE PO VOPROSAM NEOTEKTON DVIZHENII V PRIBALTIKE, Tallinn 1960 ence on the Neotectonic Movements in the B Region, Tallinn, 1960] Materialy. Tartu, nauk Estonskoi SSR, 1960 154 p

ZABELIN, I. M. [Lofira leaves; African tale lofiry, afrikanskie povesti. Moskva, Geog 251 p. (Puteshestviia, prikliuchenila, fant

13. SCIENCE

AKADEMIIA MEDITSINSKIKH NAUK SSSR, M [Internal structure of the stems of peripher Vnutristvol'noe stroenie perifericheskikh Pod red A. N. Maksimenkova Leningrad 1963 374 p.

AKADEMIIA NAUK SSSR. Mezhduvedomstve po provedeniiu Mezhdunarodnogo geofizich goda. [Geomagnetic perturbations] Geom vozmushchenila, sbornik statei. Moskva,
(CoBBS)

AK

in English]
No. 3 1961. 220 p
No. 5. 1963. 225 p

AKADEMIIA NAUK SSSR Zoologicheskii in [Mammals of the U.S.S.R.] Mlekopitaiu SSSR. Sost. I. M. Gromov i dr. Pod obsh stvom I. I. Sokolova. Moskva, Izd-vo Aka SSSR.
Pts. 1-2. 1963.

AKADEMIIA NAVUK BSSR, Minsk. Institut obshchei i neorganicheskoi khimii. [Ion exchange and sorption from solutions] Ionoobmen i sorbtsiia iz rastvorov. Minsk, Izd-vo Akad. nauk Belorusskoi SSR, 1963. 159 p.

AKHMATOV, A.S. [Molecular physics of boundary friction] Molekuliarnaia fizika granichnogo trenila. Moskva, Fizmatgiz, 1962. 472 p.

ALEKSANDROV, B.A. [Stories about green friends] Rasskazy o zelenykh druz'iakh. [Moskva] Mosk. rabochii, 1963. 191 p.

ARKHANGEL'SKAIA, V.M. [Dirichlet's L functions, a textbook on the analytical theory of numbers] L-funktsii Dirikhle, uchebnoe posobie po analiticheskoi teorii chisel. [Saratov] Izd-vo Saratovskogo univ., 1962. 72 p.
(RPB)

BALABANOV, E.M. [Thermonuclear reactions] Termoiadernye reaktsii. Moskva, Voenizdat, 1963. 84 p. (Nauchno-populiarnaia biblioteka)

BELOV, A.F., and others. [Digital system (AI-2048) for storing and processing information] TSifrovaia sistema nakopleniia i obrabotki informatsii (AI-2048). Moskva, Gosatomizdat, 1963. 145 p.

BRILING, R.S. [Descriptive geometry] Nachertatel'naia geometriia, lektsii, metodicheskie ukazaniia i kontrol'nye raboty dlia studentov zaochnykh institutov. Khar'kov, Izd-vo Khar'kovskogo univ., 1962. 216 p.

DEMIDOV, A.M. [Methods for studying nuclear radiations in the radiation capture of thermal neutrons] Metody issledovaniia izluchenii iader pri radiatsionnom zakhvate teplovykh neitronov. Moskva, Gostoptekhizdat, 1963. 73 p.

DOROSHKEVICH, A.M. [Lectures on kinematics] Lektsii po kinematike. Moskva, Mosk. poligraficheskii in-t, 1961. 80 p.

DUBROV, A.P. [Effect of ultraviolet radiation on plants] Deistvie ul'trafioletovoi radiatsii na rastenila. Moskva, Izd-vo Akad. nauk SSSR, 1963. 123 p.

EDILIAN, M.B. [Use of electronic digital computers in the synthesis of guiding mechanisms] Primenenie elektronnykh tsifrovykh mashin dlia sinteza napravliaiushchikh mekhanizmov. Erevan, Armgosizdat, 1963. 73 p.

FEL'DT, V.V. [Drawings in the teaching of chemistry; a teachers' manual] Risunok v prepodavanii khimii; posobie dlia uchitelei. Moskva, Uchpedgiz, 1963. 138 p.

FIRGANG, E.V. [Electrostatics. Direct current; lectures in physics] Elektrostatika. Postoiannyi elektricheskii tok; lektsii po fizike. Moskva, Mosk. poligraficheskii in-t, 1961. 100 p.

GAMMERMAN, A.F., and B.V. SEMICHOV. [Dictionary of Tibetan-Latin-Russian names of medicinal plants used in Tibetan medicine] Slovar' tibetsko-latino-russkikh nazvanii lekarstvennogo rastitel'nogo syr'ia, primeniaemogo v tibetskoi meditsine. Ulan-Ude, Izd-vo Akad. nauk SSSR, 1963. 1 v.

IAGLOM, I.M. [Complex numbers and their use in geometry] Kompleksnye chisla i ikh primenenie v geometrii. Moskva, Fizmatgiz, 1963. 191 p.

INTERNATIONAL CONGRESS OF MATHEMATICIANS, Edinburgh, 1958. [International Congress of Mathematicians held in Edinburgh in 1958. Translated from the English, French and German] Mezhdunarodnyi matematicheskii kongress v Edinburge, 1958 g.; obzornye doklady. Moskva, Fizmatgiz, 1962. 276 p. (Sovremennye problemy matematiki)

IUSHCHENKO, A.A. [Theory of derivatives] Izuchenie proizvodnoi. Pod red. F.D. Gakhova. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 61 p.

KANAEV, I.I. [Essays on the history of comparative anatomy before Darwin; development of the problem of the morphological type in zoology] Ocherki iz istorii sravnitel'noi anatomii do Darvina, razvitie morfologicheskogo tipa v zoologii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 207 p.

KARAGODIN, V.M. [Theoretical fundamentals of the mechanics of a body with variable composition] Teoreticheskie osnovy mekhaniki tela peremennogo sostava. Moskva, Oborongiz, 1963. 177 p.

KIL'CHEVSKII, N.A. [Fundamentals of the analytic mechanics of shells] Osnovy analiticheskoi mekhaniki obolochek. Kiev, Izd-vo Akad. nauk USSR, 1963. 353 p.

KIREEVA, R.A. [Shadows in orthogonal and axonometric projections] Tени v ortogonal'nykh i aksonometricheskikh proektsiiakh, rukovodstvo dlia studentov NIIZhTa stroitel'nykh spetsial'nostei. Novosibirsk, Novosibirskii in-t inzhenerov zheldor. transporta, 1963. 20 p.
[MICROFILM]

KIRENSKII, L.V. [Magnetism] Magnetizm. Moskva, Izd-vo Akad. nauk SSSR, 1963. 139 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

KIRPIKOV, V.A. [Introduction to the thermodynamics of chemical and phase transitions] Vvedenie v termodinamiku khimicheskikh i fazovykh prevrashchenii. Pod red. A.A. Gukhmana. [Moskva] Rosvuzizdat, 1963. 50 p.

KITAIGORODSKII, A.I., and E.I. FEDIN. [Atomic structure and the properties of solids] Atomnoe stroenie i svoistva tverdykh tel. Moskva, Izd-vo "Znanie," 1963. 47 p. (Narodnyi universitet kul'tury: Estestvennonauchnyi fakul'tet, no. 6)

KOMSKII, D.M., and D.I. PENNER. [Making devices for demonstrations at popular lectures on physical and technological subjects] Izgotovlenie demonstratsionnykh priborov dlia populiarnykh lektsii na fiziko-tekhnicheskie temy. Moskva, Ob-vo po rasprostraneniiu polit. i nauchn. znanii RSFSR, 1963. 36 p.

KONFERENTSIIA MOLODYKH NAUCHNYKH RABOTNIKOV GORODA KAZANI 1st, Kazan', 1959. [Materials of the First Conference of Young Scientists of Kazan, May 11-13, 1959, chemistry section] Materialy. sektsiia khimicheskaia. Nauchnyi rukovoditel' sektsii G.S. Vozdvizhenskii. Kazan', Akad. nauk SSSR, 1960. 151 p.
(ICMILC)

KUZNETSOV, A.I., and F.V. BELIAEV. [Problems in descriptive geometry] Sbornik zadach po nachertatel'noi geometrii. 2.izd., dop. Moskva, Mashgiz, 1963. 105 p.

KUZNETSOV, B.G. [Talks on the theory of relativity] Besedy o teorii otnositel'nosti. Izd. 2. [Moskva] Izd-vo Akad. nauk SSSR, [1963] 219 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

LAZARIS, IA.A., and I.A. SEREBROVSKAIA. [Pulmonary circulation] Legochnoe krovoobrashchenie. Moskva, Medgiz, 1963. 242 p.

LEBEDEV, P.N. [Collected works] Sobranie sochinenii. Red. i primechaniia T.P. Kravtsa, N.A. Kaptsova, A.A. Eliseeva. Stat'i T.P. Kravtsa i N.A. Kaptsova. [Moskva], Izd-vo Akad. nauk SSSR, 1963. 434 p. (Akademiia nauk SSSR. Klassiki nauki)

LEVINA, S.S. [Physics and chemistry; annotated index of popular scientific literature] Fizika i khimiia; ukazatel' nauchno-populiarnoi literatury. Izd. 3., dop. i perer. Moskva, Gos. biblioteka SSSR im. V.I. Lenina, 1963. 150 p. (Knigi o prirode i ee zakonakh)

LIETUVOS TSR MOKSLU AKADEMIJA, Vilna. Botanikos institutas. [Flora of the Lithuanian S.S.R.] Lietuvos TSR flora. Autoriu kolektyvas: A. Bagdonaite ir kiti. Red. M. Natkevicaite-Ivanauskiene. Vilnius, Valstybine politines ir mokslines literaturos leidykla. [In Lithuanian]
Vol. 2. 1963. 714 p.

LOBASHEV, M.E. [Genetics; a course of lectures] Genetika; kurs lektsii. [Leningrad] Izd-vo Leningr. univ. 1963. 488 p.

LUCHSHEVA, A.A. [Collection of problems on hydrometry] Sbornik zadach po gidrometrii. Leningrad, Gidrometeorizdat, 1963. 294 p.

LUZIN, N.N. [Differential calculus] Differentsial'noe ischislenie. Izd. 5. Moskva, Sovetskaia nauka, 1956. 476 p.

MAGNUS, RUDOLF. [Equilibrium; an experimental physiological study of the individual reflexes governing equilibrium, of their correlations, and their disorders. Translated from the German] Ustanovka tela; eksperimental'no-fiziologicheskie issledovaniia otdel'nykh opredeliaiushchikh ustanovku tela refleksov, ikh vzaimnykh vliianii i ikh rasstroistv. Pod red. E.Sh. Airapet'iantsa i B.A. Kisliakova. Leningrad, Izd-vo Akad. nauk SSSR, 1962. 624 p.
(NIC)

MOSCOW. INSTITUT NARODNOGO KHOZIAISTVA. Kafedra obshchei khimii. [Laboratory manual on general chemistry; for the students of the institutions of higher learning specializing in the study of commodities and technology] Rukovodstvo k prakticheskim zaniatiiam po obshchei khimii dlia studentov tovarovednykh i tekhnologicheskikh spetsial'nostei vysshikh uchebnykh zavedenii. Pod obshchei red. S.P. Guseva. Moskva, 1962. 206 p.

MOSCOW. VSESOIUZNYI INSTITUT NAUCHNOI I TEKHNICHESKOI INFORMATSII. [Problems of modern acoustics] Problemy sovremennoi akustiki. Moskva, Izd-vo Akad. nauk SSSR, 1963. 174 p.

NOVOZHILOV, IU.V. [Elementary particles] Elementarnye chastitsy. Izd. 2. dop. Moskva, Fizmatgiz, 1963. 204 p.

OSHMARIN, P.G. [Parasitic worms of mammals and birds in the Maritime Territory] Paraziticheskie chervi mlekopitaiushchikh i ptits Primorskogo kraia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 322 p.

PASYNSKII, A.G. [Biophysical chemistry] Biofizicheskaia khimiia. Moskva, Vysshaia shkola, 1963. 432 p.

PETROV, R.V., and others. [Protection from radioactive fallout] Zashchita ot radioaktivnykh osadkov. Pod red. A.I. Burnaziana. Moskva, Medgiz, 1963. 187 p.

[PROGRAMMER'S MANUAL] Spravochnik programmista. [By] IA.S. Dymarskii i dr. Leningrad, Sudpromiz.
Vol. 1. 1963. 627 p.

ROZENBERG, G.V. [Twilight] Sumerki. Moskva, Fizmatgiz, 1963. 380 p.

RUSSIA (1923- U.S.S.R.) Glavnoe upravlenie geodezii i kartografii. [Tables of Gauss-Kruger coordinates for latitudes from 32° to 80° at 5' intervals and for longitudes from 0° to 6° at 7 1/2' intervals and tables of the dimensions of the sides and areas of trapezoids of topographical surveys based on the Krasovskii ellipsoid] Tablitsy koordinat Gaussa-Kriugera dlia shirot ot 32° do 80° cherez 5' i dlia dolgot ot 0° do 6° cherez 7 1/2' i tablitsy razmerov ramok i ploshchadei trapetsii topograficheskikh s"emok; ellipsoid Krasovskogo. 3. izd., ispr. Moskva, Gosgeoltekhizdat, 1963. 512 p.

SHAKIRZIANOVA, M.S. [Biting midges of Kazakhstan (Diptera, Heleidae)] Krovososushchie mokretsy Kazakhstana (Diptera, Heleidae). Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 120 p.

SHAPIRO, I.S. [Theory of direct nuclear reactions] Teoriia priamykh iadernykh reaktsii. Moskva, Gosatomizdat, 1963. 88 p.

SHKOL'NIK, A.G. [Differential equations] Differentsial'nye uravneniia; uchebnoe posobie dlia fiziko-matematicheskikh fakul'tetov pedagogicheskikh institutov. Moskva, Uchpedgiz, 1963. 197 p.

SHUL'GIN, I.A. [Morphological adaptations of plants to light; optical properties of leaves. A lecture from the course "Biology of plant development"] Morfofiziologicheskie prisposobleniia rastenii k svetu; opticheskie svoistva list'ev. Lektsiia iz kursa "Biologiia razvitiia rastenii." [Moskva] Izd-vo Mosk. univ. 1963. 72 p.

SINEL'NIKOV, R.D. [Atlas of human anatomy in three volumes] Atlas anatomii cheloveka v trekh tomakh. Izd. 2., perer. i dop. Moskva, Medgiz.
Vol. 3. [Study of the nervous system, sense organs and organs of internal secretion] Uchenie o nervnoi sisteme, organakh chuvstv i organakh vnutrennei sekretsii. 1963. 411 p.

SOLOV'EV, V.D., and T.A. BEKTEMIROV. [Tissue cultures in virology] Tkanevye kul'tury v virusologii. Moskva, TSentr. in-t usovershenstvovaniia vrachei, 1963. 197 p.

SOVESHCHANIE KOMISSII PO KOSMOGONII ASTRONOMICHESKOGO SOVETA AKADEMII NAUK SSSR, Moscow, 1962. [Origin of life in the universe] Vozniknovenie zhizni vo Vselennoi; sbornik dokladov. Moskva, 1963. 95 p.

SOVESHCHANIE PO SPEKTROSKOPII, 13th, Leningrad, 1960. [Physical problems of spectroscopy] Fizicheskie problemy spektroskopii; materialy. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 2. 1963. 251 p.

SOVETSKAIA ANTARKTICHESKIA EKSPEDITSIIA, 1955- [Transactions of the Soviet Antarctic Expedition] Trudy Leningrad, Izd-vo "Morskoi transport" Vol. 26 [Fourth Continental Expedition, 1958-1960] Chetvertaia kontinental'naia ekspeditsiia 1958-1960 gg., obshchee opisanie i nauchnye rezul'taty. Pod red A G Dralkina. 1963. 258 p

STARODUBTSEV, S. IA. [Short course on chemistry] Kratkii kurs khimii. Moskva, Mosk. energ. in-t, No. 4. 1962. 108 p.

SYROEZHKIN, I. T. [Activating the teaching of chemistry in schools] Aktivizatsiia prepodavaniia khimii v shkole, iz opyta raboty uchitelei. Moskva, Uchpedgiz, 1963. 101 p.

TASHKENT INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. [List of Soviet literature on descriptive geometry for the years 1940-1960] Bibliograficheskii ukazatel' otechestvennoi literatury po nachertatel'noi geometrii za 1940-1960 gody. Tashkent, 1963. 79 p. [MICROFILM]

TIKHOMIROV, B. A. [Essays on the biology of plants in the Arctic] Ocherki po biologii rastenii Arktiki. Moskva, Izd-vo Akad. nauk SSSR, 1963. 152 p

TSEDERBERG, N. V. [Thermal conductivity of gases and liquids] Teploprovodnost' gazov i zhidkostei. Moskva, Gosenergoizdat, 1963. 407 p.

USPENSKAIA, A. V. [Parasites of benthic Crustacea of the Barents Sea] Parazitofauna benticheskikh rakoobraznykh Barentseva moria. Moskva, Izd-vo Akad. nauk SSSR, 1963. 126 p.

VASIL'EV, M. V., and S. Z. GUSHCHEV. [Reportage from the 21st century] Reportazh iz XXI veka. 2., dop. izd. Moskva, Sovetskaia Rossiia, 1963. 330 p

VASIL'KOV, B. P. [Edible and poisonous mushrooms] S"edobnye i iadovitye griby. [Leningrad] Lenizdat, 1963. 44 p.

VLASENKO, O. I. [Methodology of solving arithmetical problems] Metodyka rozv'iazuvannia arytmetychnykh zadach, posibnyk dlia vchyteliv. Kyiv, "Radians'ka shkola," 1963. 182 p.

VOLYNSKII, B. A. [Integral analog computers for solving boundary value problems] Analogovye integrovychislitteli dlia resheniia kraevykh zadach. Moskva, Izd-vo Akad. nauk SSSR, 1963. 151 p

VORONTSOV-VEL'IAMINOV, B. A. [Collection of problems and exercises in astronomy] Sbornik zadach i upraznenii po astronomii. Izd 5. Moskva, Fizmatgiz, 1963. 279 p. illus

VSESOIUZNAIA KONFERENTSIIA PO BIOKHIMII NERVNOI SISTEMY, 3d, Erivan, 1962. [Reports of the All-Union Conference on the Biochemistry of the Nervous System] Sbornik dokladov. Pod red. A. V. Palladina i G. Kh. Buniatiana. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1963. 624 p.

VSESOIUZNYI MATEMATICHESKII S"EZD, 4th, Leningrad, 1961. [Papers delivered at the All-Union Mathematical Conference] Trudy. Leningrad.
Vol. 1. [Plenary reports] Plenarnye doklady. 1963. 274 p.

ZHURAVLEV, V. K. Grigorii Andreevich Il'inskii, 1876-1937. [Moskva] Izd-vo Mosk. univ., 1962. 78 p. (Zamechatel'nye uchenye Moskovskogo universiteta, no. 30)
(MII) (NJP)

14. MEDICINE

AGADZHANIAN, G. I. [The Dzhermuk Health Resort, therapeutic factors and methods of treatment] Kurort Dzhermuk; lechebnye faktory i metody lecheniia. Erevan, Armgosizdat, 1962. 56 p.
(DNLM)

AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow. [Modern methods of investigating the functions of the cardiovascular system] Sovremennye metody issledovaniia funktsii serdechno-sosudistoi sistemy. Pod red. E. B. Babskogo i V. V. Parina. Moskva, Medgiz, 1963. 305 p.
(DNLM)

AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow. [Physiology and pathology of the heart] Fiziologiia i patologiia serdtsa; sbornik, posviashchennyi shestidesiatiletiiu deiatvitel'nogo chlena AMN SSSR professora V. V. Parina. Pod red. M. E. Marshaka. Moskva, 1963. 310 p. [With summaries in English]
(DNLM)

BURGMAN, G. P. [Cytology of the cerebrospinal fluid in brain tumors] TSitologiia spinnomozgovoi zhidkosti pri opukholiakh mozga. Moskva, Medgiz, 1963. 179 p.
(DNLM)

[EMERGENCY AID, a brief manual for the regional physician] Neotlozhnaia pomoshch', kratkii spravochnik uchastkovogo vracha. Pod red. L. S. Shvartsa, B. A. Nikitina. Izd 2., ispr. i dop. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 458 p.
(DNLM)

EZHOV, A. A., and N. B. KOROSTELEV. [Attack on microbes] Nastuplenie na mikrobov. Moskva, Izd-vo "Znanie," 1963. 62 p. (Narodnyi universitet kul'tury. Fakul'tet zdorov'ia, no. 8)

FILATOV, A. N., and M. A. KOTOVSHCHIKOVA. [Coagulative system of the blood in clinical practice] Svertyvaiushchaia sistema krovi v klinicheskoi praktike. Leningrad, Medgiz, 1963. 159 p.
(DNLM)

FINOGENOV, S. N. [Organization, technique and methodology of physiotherapeutic aid] Organizatsiia, tekhnika i metodika fizioterapevticheskoi pomoshchi. Kiev, Gosmedizdat USSR, 1963. 275 p.
(DNLM)

FREIDLIN, S. IA. [Course of lectures on the organization of public health service] Kurs lektsii po organizatsii zdravookhraneniia. Leningrad, Medgiz, 1963. 405 p.
(DNLM)

GABISONIA, G. T. [Traumatologic aid in the coal industry. Travmatologicheskaia pomoshch' v ugol'noi promyshlennosti. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo,"] 1961. 190 p. [In Georgian]
(DNLM)

GESELEVICH, A. M. and E. I. SMIRNOV. [Nikolai Ivanovich Pirogov, a biographical sketch] Nikolai Ivanovich Pirogov; nauchno-biograficheskii ocherk. Moskva, Gos. izd-vo med. lit-ry, 1960. 177 p.
(NN)

IL'IUCHENOK, T. IU., and others. [Pharmacology, a course of lectures] Farmakologiia, kurs lektsii. Pod obshchei red. K. S. Shaduri skogo. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 346 p.
(DNLM)

IUSEVICH, IU. S. [Electromyography of the tonus of the skeletal musculature in man under normal conditions and in pathology] Elektromiografiia tonusa skeletnoi muskulatury cheloveka v norme i patologii. Moskva, Medgiz, 1963. 161 p.
(DNLM)

KOMAKHIDZE, M. E. [Spleen surgery. Khirurgiia selezenki. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo,"] 1959. 354 p. [In Georgian]
(DNLM)

KORZH, A. A. [Heterotopic traumatic ossifications] Geterotopicheskie travmaticheskie ossifikatsii. [Moskva] Medgiz, 1963. 267 p.
(DNLM)

KURLIANDSKII, V. IU. [Dental prosthesis, an atlas] Zubnoe protezirovanie; atlas. Moskva, Izdatel'skoe biuro tresta Meduchposobie. (Ortopedicheskaia stomatologiia)
Vol. 1. 1963. 286 p.
(DNLM)

KVITSARIDZE, SH. P. [Therapeutic nutrition. Lechebnoe pitanie. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo,"] 1961. 156 p. [In Georgian]
(DNLM)

[LARGE MEDICAL ENCYCLOPEDIA] Bol'shaia meditsinskaia entsiklopediia. Glav. red. A. N. Bakulev. Moskva, Gos. nauchn. izd-vo "Sovetskaia entsiklopediia"
Vol. 31. Spinnoi mozg--tenezmy. Izd. 2. 1963. 1248 columns.
_____. [List of articles and terms for the letters "G" and "T"] Perechen' statei i terminov na bukvy "S", "T" (tridtsat' pervyi tom) 4 p.
_____. [Phonorecord of sound phenomena appended to the article "Senile dementia"] Grammofonnaia plastinka soderzhit zapis' zvukovykh iavlenii k stat'e "Starcheskoe slaboumie."

LUTSENKO, S. M. [Peritonitis at an elderly and senile age; clinical, experimental and morphological study] Peritonit v pozhilom i starcheskom vozraste; kliniko-eksperimental'no-morfologicheskoe issledovanie. Kishinev, Izd-vo "Shtiintsa" Akad. nauk Moldavskoi SSR, 1962. 214 p.
(DNLM)

MAISTRAKH, K. V. [Organization of public health] Organizatsiia zdravookhraneniia, otdelom meditsinskikh uchebnykh zavedenii i kadrov ministerstva zdravookhraneniia SSSR rekomendovan v kachestve uchebnika dlia uchashchikhsia meditsinskikh uchilishch. Moskva, Medgiz, 1963. 198 p.
(DNLM)

MEZHEBOVSKII, R. G. [Treatment and prevention of cardiac insufficiency] Lechenie i profilaktika serdechnoi nedostatochnosti. 2. izd., dop. i ispr. Moskva, Medgiz, 1963. 351 p.
(DNLM)

MIKHAILOVSKII, B. G. [X-ray diagnosis of spinal diseases] Rentgenodiagnostika zabolevanii pozvonochnika. Moskva, Medgiz, 1963. 259 p.
(DNLM)

MINKH, A. A. [Ionization of the air and its hygienic significance] Ionizatsiia vozdukha i ee gigienicheskoe znachenie. Izd. 2., ispr. i dop. Moskva, Medgiz, 1963. 350 p.
(DNLM)

MOSCOW, VTOROI MOSKOVSKII GOSUDARSTVENNYI MEDITSINSKII INSTITUT. [Modern methods of investigation and treatment in obstetrics and gynecology] Sovremennye metody issledovaniia i lecheniia v akusherstve i ginekologii. Pod red. L. S. Persianinova. Moskva, 1963. 335 p. (Its: Trudy) [With summaries in English]
(DNLM)

[MULTIVOLUME MANUAL ON NEUROLOGY] Mnogotomnoe rukovodstvo po nevrologii. Moskva, Medgiz
Vol. 5. [Tumors of the nervous system] Opukholi nervnoi sistemy. Red. toma G. P. Kornilanskii i I. IA. Razdol'skii. 1961. 570 p.

[MULTIVOLUME MANUAL ON OBSTETRICS AND GYNECOLOGY] Mnogotomnoe rukovodstvo po akusherstvu i ginekologii. Moskva, Medgiz.
Vol. 4. Book 1. Zhmakin, K. N. [General gynecology] Obshchaia ginekologiia. 1963. 674 p.
(DNLM)

NEVZOROVA, T. A. [Clinical features of schizophrenia in the process of treatment with psychotropic preparations] Klinicheskie zakonomernosti shizofrenii v protsesse lecheniia psikhotropnymi preparatami. Pod red. V. M. Banshchikova. Moskva, Medgiz, 1963. 136 p.
(DNLM)

OSIPOV, B. K., and T. V. STEPANOVA. [Chronic suppurative diseases of the lungs, a textbook] Khronicheskie nagnoitel'nye zabolevaniia legkikh; uchebnoe posobie. Moskva, TSentral'nyi institut usovershenstvovaniia vrachei, 1962. 166 p.
(DNLM)

OSTROVSKAIA, I. M. [Anatomicophysiological characteristics of children; organization of the care and nutrition of children] Anatomo-fiziologicheskie osobennosti detskogo vozrasta, organizatsiia ukhoda za det'mi i ikh pitaniia. Izd. 3., ispr. i dop. Moskva, Medgiz, 1963. 231 p.
(DNLM)

PASHKOVA, V. I. [Essays on medicolegal osteology; determination of sex, age and growth according to human skeletal bones] Ocherki sudebnomeditsinskoi osteologii; opredelenie pola, vozrasta i rosta po kostiam skeleta cheloveka. Moskva, Medgiz, 1963. 153 p.
(DNLM)

PAVLOV, P. V. [Active immunization against scarlet fever] Aktivnaia immunizatsiia protiv skarlatiny. Moskva, Medgiz, 1963. 217 p.
(DNLM)

PINKHASIK, M. L. [Tuberculous coxitis in children] Tuberkuleznyi koksit u detei. 2. izd., prosmotrennoe i dop. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 269 p.
(DNLM)

PLOTICHER, V. A. [Psychoprophylaxis of pain in labor] Psikhoprofilaktika boli pri rodakh, materialy dlia sanitarno-prosvetitel'noi raboty. Nauchn. redaktor A. P. Nikolaev. S predisl. I. Z. Vel'vovskogo. Moskva, Medgiz, 1954. 64 p.
(DNLM)

RABUKHIN, A. E. [Tuberculosis of the respiratory organs in adults; pathogenesis, clinical aspects, differential diagnosis, principles of treatment and prevention] Tuberkulez organov dykhaniia u vzroslykh; patogenez, klinika, differentsial'naia diagnostika, printsipy lecheniia i profilaktiki. Moskva, Medgiz, 1963. 344 p.
(DNLM)

RUSSIA (1923- U.S.S.R.) Ministerstvo zdravookhraneniia [Sanitary protection of soil in populated places] Sanitarnaia okhrana pochvy naselennykh mest, metodicheskoe posobie dlia sanitarno-epidemiologicheskikh uchrezhdenii. Pod red. V.A. Gorbova i dr. Moskva, Medgiz, 1963. 175 p.
(DNLM)

SEL'TSOVSKII, P.L. [Diffuse suppurative peritonitides] Razlitye gnoinye peritonity. Moskva, Medgiz, 1963. 210 p.
(DNLM)

SHISHKIN, S.S. [Recurrent infarcts of the myocardium] Povtornye infarkty miokarda. Moskva, Medgiz, 1963. 181 p.
(DNLM)

SIMPOZIUM PO ANESTEZIOLOGII, 1st, Moscow, 1960. [Transactions of the First Symposium on Anesthesiology] Trudy. Moskva, Akad. med. nauk SSSR, 1963. 327 p.
(DNLM)

STRUCHKOV, V.I., and P.N. DEMIDKIN. [Radiographic changes in the gastrointestinal tract following an operation on the lungs] Rentgenologicheskie izmeneniia zheludochno-kishechnogo trakta posle operatsii na legkikh. Moskva, Medgiz, 1963. 107 p.
(DNLM)

TUSHINSKII, M.D., and A.N. CHISTOVICH. N.IA. Chistovich, 1869-1926. Leningrad, Medgiz, 1963. 119 p. (Vydaiushchiesia deiateli otechestvennoi meditsiny)

VEINEROV, I.B. [Skin tuberculosis; clinical aspects and treatment] Tuberkulez kozhi; klinika i lechenie. Kiev, Gosmedizdat USSR, 1963. 181 p.
(DNLM)

VOLKOVA, G.E., and S.M. REZNIKOV. [Work organization in schools for subprofessional medical personnel] Organizatsiia raboty v srednikh meditsinskikh uchilishchakh zavedeniiakh. Moskva, Medgiz, 1963. 222 p.
(DNLM)

ZAMIATIN, S.I. [Health resorts of Kazakhstan] Kurorty Kazakhstana. Alma-Ata, Kazgosizdat, 1962. 262 p.
(DNLM)

ZAMKOVA, Z.N. [Bibliography in the scientific and practical work of the physician] Bibliografiia v nauchnoi i prakticheskoi rabote vracha. Moskva, Medgiz, 1963. 150 p.

ZHELTAKOV, M.M., IU.K. SKRIPKIN, and B.A. SOMOV. [Electrosonicosis and hypnosis in dermatology] Elektroson i gipnoz v dermatologii. Moskva, Medgiz, 1963. 307 p.
(DNLM)

15. AGRICULTURE

ABASHIDZE, A.T. [Aphid pests of orchards] Tli - vrediteli sadov. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1956. 47 p. [In Georgian]
(DNAL)

AKADEMIIA NAUK SSSR. Institut genetiki. [Genetics in agriculture] Genetika — sel'skomu khoziaistvu. Moskva, Izd-vo Akad. nauk SSSR, 1963. 704 p.
(DNAL)

AKADEMIIA NAUK SSSR. Pochvennyi institut imeni V.V. Dokuchaeva. [Effect of irrigation on soils in the oases of Central Asia] Vliianie oroshenila na pochvy oazisov Srednei Azii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 105 p.

ALFEROV, L.A. [Life of the forest] Zhizn' lesa. Pod nauchnoi red. N.P. Anuchina. Moskva, Izd-vo "Znanie," 1963. 30 p. (Novoe v zhizni, nauke, tekhnike. VIII Serlia: Biologiia i meditsina, no.14)

ALIEV, A.IU. [Effect of fertilizers on tomato yields in main vegetable gardening areas of Azerbaijan] Azerbaichanyn esas tərəvəzchilik rayonlarynda pamidor bitkisinin məhsuldarlygyna kubrelerin təsiri. Baky, Azerbaichan SSR Elmler Akad. neshriiaty, 1961. 90 p. [In Azerbaijani]
(DNAL)

ANDRIIASH, L.T. [Cesarean section of cows] Kesarevo sechenie u korov. Moskva, Gos. izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1961. 103 p.
(DNAL)

ATOIAN, S.P., and L.V. ARUTIUNIAN. [Landscaping roads and streets] Ozelenenie dorog i ulits. Erevan, Armianskoe gos. izd-vo, 1961. 92 p. [In Armenian]
(DNAL)

BALANCHIVADZE, SH.E. [Acclimatization of the plants of New Zealand on the Black Sea coast in Georgia. Akklimatizatsiia Novozelandskikh rastenii na Chernomorskom poberezh'e Gruzii. Batumi, Gos. izd-vo] 1961. 150 p. [In Georgian]
(DNAL)

BAL'MONT, V.A., ed. [Breeds of farm animals in Kazakhstan] Porody sel'skokhoziaistvennykh zhivotnykh vyvedennye v Kazakhstane. Pod red. V.A. Bal'monta. Alma-Ata, Kazakhskoe Gos. izd-vo, 1960. 360 p.
(WaU)

BORISOV, G.N. [Cotton varieties] Sorta khlopchatnika. Moskva, Izd-vo Sel'khoz. lit-ry, zhurnalov i plakatov, 1962. 174 p.
(DNAL)

[COLLECTIVE FARM FIELD CREW LEADER'S NOTE BOOK] Zapisnaia knizhka brigadira kolkhoza. [Moskva] Mosk. rabochii, 1957. 274 p.
(DNAL)

DOIARENKO, A.G. [Entertaining agronomy] Zanimatel'naia agronomiia. 2. izd. Moskva, Sel'khozizdat, 1963. 102 p.
(DNAL)

DVORTSEVOI, I.T. [One hundred and sixty centners of potatoes per hectare] 160 tsentnerov kartofelia s gektara. [Kursk, Kurskoe knizhnoe izd-vo, 1962] 10 p. (Vypolnim reshenila 22 s"ezda KPSS)
(DNAL)

GAGANOV, P.G. [Perennial phloxes] Floksy mnogoletnie. Izd 2., perer. Moskva, Sel'khozizdat, 1963. 205 p.
(DNAL)

GASANOV, M.I. [Castration of farm animals] Kend tesarrufatv heivanlarynyn akhtalanmasy. Baky, Azerbaichan dovlet neshriliaty, 1962. 161 p. [In Azerbaijani]
(DNAL)

GERSHANOV, S.V. [Machinery operators striving for large crops] Mekhanizatory v bor'be za urozhai. Moskva, Sel'khozizdat, 1956. 74 p. (Peredovoi opyt v sel'skom khoziaistve)
(DNAL)

HOLOVATS'KYI, I.D. [Carbohydrate metabolism in farm animals] Obmin vuhlevodiv u sil's'kokhospodar - s'kykh tvaryn. Kyiv, Vyd-vo Ukrains'kot Akad. sil's'kokospodars'kykh nauk, 1961. 200 p.
(DNAL)

KAREV, V.P. [Notes of a veterinarian] Zapiski veterinarnogo vracha. [Moskva] Moskovskii rabochii, 1963. 45 p. (Liudi, dela, plany)
(DNAL)

KASIMOVA, G.A. [Parasitic nematodes of plants and measures for their control] Bitkilerde parazitlik eden nematodlar ve onlarla mubarize tedbirleri. Baky, Azerbaichan dovlet neshriliaty, 1962. 47 p. [In Azerbaijani]
(DNAL)

KLOCHKOV, V.N., P.V. MALYKH, and A.P. ROGASH. [Breeding and seed production of fiber flax] Selektsiia i semenovodstvo l'na-dolgunsa. Pod obshchel red. A.R. Rogasha. Moskva, Sel'khozizdat, 1963. 180 p.
(DNAL)

KOROLEV, V.F. [Milking machines, theory, construction, and design] Doil'nye mashiny, teoriia, konstruktsiia i raschet. Moskva, Mashgiz, 1962. 283 p.
(DNAL)

KOZUPEEVA, T.A. [Growing flowers indoors in the Far North] Komnatnoe tsvetovodstvo na Krainem Severe. Kirovsk, 1958. 70 p.
(ICMILC)

KROTOV, A.S. [Buckwheat] Grechikha. Moskva, Sel'khozizdat, 1963. 253 p.
(DNAL)

[LIGHT AND THE DEVELOPMENT OF PLANTS] Svet i razvitie rastenii [By] S.S. Shain i dr. Moskva, Sel'khozizdat, 1963. 622 p.
(DNAL)

MARCHENKO, I.I. [Practices in the organization of swine raising] Opyt organizatsii svinovodstva. Moskva, Sel'khozizdat, 1963. 53 p.
(DNAL)

MARTYSHEV, F.G. [Intensive forms of pond fish culture] Intensivnye formy prudovogo rybovodstva. Moskva, Izd-vo "Znanie," 1963. 46 p. (Narodnyi universitet kul'tury. Sel'skokhoziaistvennyi fakul'tet, no 7)

[MECHANIZATION OF PEA HARVESTING] Mekhanizatsiia uborki gorokha; sbornik. Moskva, Sel'khozizdat, 1963. 119 p.
(DNAL)

NAUCHNAIA KONFERENTSIIA, POSVIASHCHENNAIA IZUCHENIIU LESOV SIBIRI I DAL'NEGO VOSTOKA, Krasnoiarsk, 1962. [Materials on the study of forests of Siberia and the Far East] Materialy po izucheniiu lesov Sibiri i Dal'nego Vostoka, trudy konferentsii. Krasnoiarsk, Akad. nauk SSSR, 1963. 369 p.
(DNAL)

PANIUKOV, D.N. [Use grain combines for harvesting various crops] Ispol'zuite zernovye kombainy dlia uborki razlichnykh kul'tur. [Moskva] Mosk. rabochii, 1963. 54 p. (Sovety molodomu mekhanizatoru)
(DNAL)

PETERBURGSKII, A.V. [Laboratory manual on agricultural chemistry] Praktikum po agronomicheskoi khimii. Izd. 5., perer. i dop. Moskva, Sel'khozizdat, 1963. 591 p. (Uchebniki i uchebnye posobila dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)
(DNAL)

POLTORATSKII, V.V. [Living spring, a story about young friends of corn] Zhivoi rodnichok; rasskaz o iunykh druz'iakh kukuruzy. [Moskva] Molodaia gvardiia, 1961. 38 p.
(DNAL)

PROKOP'EV, M.N. [The young spruce growth and its use in reforestation] Podrost eli i ego ispol'zovanie dlia vosstanovleniia lesa. Moskva, Goslesbumizdat, 1963. 64 p.
(DNAL)

SADUNAEV, V.B. [Sports fishing] Sportivnaia lovlia ryby. [Leningrad] Lenizdat, 1963. 430 p.

SARKISIAN, A.G. [Raising farm fowl and the breeding work. Razvedenie sel'skokhoziaistvennykh ptits i plemennaia rabota. Erevan, Armianskoe gos. sel'khoz. izd-vo] 1962. 80 p. [In Armenian]
(DNAL)

SHLYKOV, G.N. [Introduction and acclimatization of plants, introduction to the cultivation and reclamation in new regions] Introduktsiia i akklimatizatsiia rastenii, vvedenie v kul'turu i osvoenie v novykh raionakh. Moskva, Sel'khozizdat, 1963. 487 p.
(DNAL)

SINADSKII, IU.V. [Pests of floodland forests in Central Asia and measures for their control] Vrediteli tugainykh lesov Srednei Azii i mery bor'by s nimi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 147 p.
(DNAL)

SINELOBOV, M.A. [Methods for the turpentining of spruce] Metody podsochki eli; tekhniia 4-ia. Leningrad, Goslesbumizdat, 1960. 42 p.
[DNAL MICROFILM]

SIZOV, A.I., ed. [Flax growing; production and science] L'novodstvo (opyt proizvodstva i nauki) Moskva, Gos. izd-vo sel'khoz. lit-ry, 1960. 410 p.
(ICU)

SOLOVKIN, V., and V. IURCHENKO. [Corn for grain] Kukuruzu — na zerno. [Riazan'] Riazanskoe knizhnoe izd-vo, 1961. 31 p.
(DNAL)

[STRONG CROPS] Moguchie kul'tury. Moskva, Sovetskaia Rossiia, 1962. 222 p. (Truzhenikam sela - ob intensivnoi sisteme zemledeliia, no. 2)
(DNAL)

SVETLICHNYI, V.A., and others. [Over-all mechanization of sugar beet growing and harvesting] Kompleksnaia mekhanizatsiia vozdelyvaniia i uborki sakharnot svekly. Izd. 2., ispr. i dop. Moskva, Proftekhizdat, 1963. 93 p.
(DNAL)

[TALES OF OLD CAPTAINS] Besedy starykh kapitanov. [Murmansk] Murmanskoe knizhnoe izd-vo, 1961. 103 p.

TATARINOV, V. P., and N. I. LYSENKOV. [Working felling areas with the preservation of young growth and young stands in the logging camps of Udmurtia] Razrabotka lesosek s sokhraneniem podrosta i molodniaka v lesopromkhozakh Udmurtii. Moskva, TSentr. in-t tekhn. informatsii i ekon. issledovaniia po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963. 26 p. (Lesoekspluatatsiia)
[DNAL MICROFILM]

TETEREVNIKOVA-BABAIAN, D. N. [Review of fungi of the genus Septoria, parasites of cultivated and wild plants in the Armenian S. S. R.] Obzor gribov iz roda Septoria parazitiruiushchikh na kul'turnykh i dikorastushchikh rasteniiakh Armianskoi SSR. Erevan, Izd-vo Erevanskogo gos. univ., 1962. 157 p.
(DNAL)

TINIAKOV, G. G. [Microstructure of milk and milk products] Mikrostruktura moloka i molochnykh produktov. Moskva, Pishchepromizdat, 1963. 177 p.
(DNAL)

TSKHOMARIIA, D. B. [Agrobiologic science and agriculture. Agrobiologicheskaia nauka i kul'tura zemledeliia. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo,"] 1961. 232 p. [In Georgian with summary in Russian]
(DNAL)

[USE LAND EFFICIENTLY] Po khoziaistki ispol'zovat' zemliu. Moskva, Sovetskaia Rossiia, 1962. 220 p. (Truzhenikam sela ob intensivnoi sisteme zemledeliia, no 1)
(DNAL)

[VETERINARY LABORATORY PRACTICE] Veterinarnaia laboratornaia praktika. Moskva, Sel'khozizdat.
Vol. 1. [General microbiological methods of investigation] Obshchie mikrobiologicheskie metody issledovaniia. 1963. 566 p.
Vol. 2. [Biochemical, chemico-toxicological, and veterinary hygienic methods of investigation] Biokhimicheskie, khimiko-toksikologicheskie i zoogigienicheskie metody issledovaniia. 1963. 431 p.
(DNAL)

VINOGRADSKII, M. M. [One hundred centners of corn per hectare, work practices of Fedor Pomyrlianu's group on the "Pobeda" Collective Farm, Kaplineny District] 100 tsentnerov kukuruzy s gektara, iz opyta raboty zvena Fedora Pomyrlianu iz kolkhoza "Pobeda" Kaplinenskogo raiona. Kishinev, Partiinoe izd-vo TsK Moldavii, 1962. 16 p.
(DNAL)

VOL'FKOVICH, S. I. [Chemistry in agriculture] Khimiia v sel'skom khoziaistve. Moskva, Izd-vo Akad. nauk SSSR, 1963. 51 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)
(DNAL)

VORONEZH. ZOOVETERINARNYI INSTITUT. Kafedra patologicheskoi anatomii. [Concise metodological manual for a practical course in pathological anatomy] Kratkoe metodicheskoe posobie po prakticheskomu patologicheskoi anatomii. Voronezh, 1956- 1 v
(DNAL)

VSESOIUZNOE SOVESHCHANIE PO VOPROSAM RAZVITIIA OSETROVOGO KHOZIAISTVA V VODOEMAKH SSSR, Moscow, 1961. [Sturgeons in the bodies of water of the U. S. S. R.] Osetrovoe khoziaistvo v vodoemakh SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 206 p.

ZONN, S. V., L. O KARPACHEVSKII, and V. V. STEFIN. [Forest soils of Kamchatka] Lesnye pochvy Kamchatki. Moskva, Izd-vo Akad. nauk SSSR, 1963. 252 p.

16. TECHNOLOGY

[THE ABC'S OF AN EFFICIENCY PROMOTER] Azbuka ratsionalizatora. [Tambov] Tambovskoe knizhnoe izd-vo, 1963. 348 p.

ABRAMOVICH, I. A. [Purification of sewage waters of leather factories] Ochistka stochnykh vod kozhevennykh zavodov. Moskva, Gizlegprom, 1963. 236 p.

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Terminologicheskii komitet. [Dictionary of technical terms on mechanization and electrification of agriculture] Slovar' tekhnicheskikh terminov po mekhanizatsii i elektrifikatsii sel'skogo khoziaistva. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 49 p.

AKADEMIIA NAUK SSSR. Institut avtomatiki i telemekhaniki. [Russian-English-German-French dictionary of terms on automatic control] Russko-anglo-nemetsko-frantsuzskii slovar' terminov po avtomaticheskomu upravleniiu. Pod red. A. V. Khramogo. Moskva, Izd-vo Akad. nauk SSSR, 1963. 220 p.

AKADEMIIA NAUK SSSR. Institut fizicheskoi khimii. [Ion exchange sorbents and their industrial applications] Ionoobmennye sorbenty v promyshlennosti. Moskva, Izd-vo Akad. nauk SSSR, 1963. 243 p.

AKADEMIIA NAUK SSSR. Nauchnyi sovet po probleme zharoprochnykh splavov. [Investigations of highly resistant alloys and whisker crystals] Issledovaniia po vysokoprochnym splavam i nitevidnykh kristallam, doklady na nauchnoi sessii 1962 g. Moskva, 1963. 184 p.

AKADEMIIA SEL'SKAHASPADARCHYKH NAVUK BSSR Navukova-dasledchy instytut mekhanizatsyi i elektryfikatsyi sel'skai haspadarki. [Transactions of the Scientific Conference of 1960] Trudy Nauchnoi konferentsii 1960 goda. Pod red. M. E. Matsepuro i B. N. Anyshkevycha. Minsk, Gos. izd-vo sel'khoz lit-ry BSSR, 1962. 369 p.

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Flat ventilated roofs of corrugated mesh-reinforced concrete] Ploskaia ventiliruemaia krysha s volnistym armotsementnym pokrytiem; opyt Upravleniia "Sibakademstroi" i Zapadno-Sibirskogo filiala Akademii stroitel'stva i arkhitektury SSSR. Moskva, Gosstroiizdat, 1963. 16 p.

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR, Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Precast reinforced-concrete smokestacks] Sbornaia zhelezobetonnaia predvaritel'no napriazhennaia dymovaia truba; iz opyta tresta "Teplomontazh," Ministerstva stroitel'stva RSFSR. Moskva, Gosstroiizdat, 1963. 21 p.
[MICROFILM]

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Use of radio in dispatcher control] Primenenie radiosviazi v dispetcherskoi sluzhbe, opyt tresta No. 15 "Stroimekhanizatsiia" Ministerstva stroitel'stva Belorusskoi SSR. Moskva, Gosstroiizdat, 1962. 10 p
[MICROFILM]

AKBASHEV, B. Z. [Use of the GEN-150 (V) elastomer for the restoration of the tightness and hermetic sealing of joints] Primenenie elastomera marki GEN-150 (V) dlia vosstanovleniia natiagov i germetizatsii soedinenii. Moskva, Transzheldorizdat, 1963. 18 p. (Dostizheniia nauki i tekhniki v proizvodstvo)

AL'BREKHT, V. G., ed. [Planning of the organization of track maintenance and repair work] Proektirovanie organizatsii putevykh rabot. [By] V. G. Al'brekht i dr. Moskva, Transzheldorizdat, 1963. 186 p.

ALIFANOV, V. IA., and V. F. RAZINOV. [Laboratory and practical work on the course "Equipment of clothing enterprises"] Laboratorno-prakticheskie raboty po kursu "Oborudovanie shveinykh predpriiatii." Moskva, Proftekhizdat, 1963. 35 p.

ANANOV, G. D. [Kinematics of three-dimensional hinged mechanisms of agricultural machines] Kinematika prostranstvennykh sharnirnykh mekhanizmov sel'skokhoziaistvennykh mashin. Moskva, Mashgiz, 1963. 219 p.

ARDAEV, V. B. [Safety manual for acidproofers (workers who rubberize, vinylize, line, and apply faolite)] Pamiatka po tekhnike bezopasnosti dlia kislotoupornshchika (gummirovshchika, viniplastchika, futerovshchika, faolitchika). Moskva, Gosstroiizdat, 1963. 30 p. (Tekhnika bezopasnosti v stroitel'stve)

ARDAEV, V. B. [Safety manual for workers producing sand, clay, and gravel] Pamiatka po tekhnike bezopasnosti dlia rabochikh pri dobyche peska, gliny i gravlia. Moskva, Gosstroiizdat, 1963. 19 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

ARONINA, IU. N., and P. IA. EFREMOVA. [Technology of fur] Tekhnologiia mekha (Spetsial'nye glavy) Moskva, Gizlegprom, 1963. 109 p.

ASKEROV, B. M. [Theory of transfer phenomena in semiconductors] Teoriia iavlenii perenosa v poluprovodnikakh. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 123 p.

ATAEV, S. S., V. I. POLIAKOV, and A. I. AL'PEROVICH. [Mechanizing the assembly of large-panel apartment houses] Mekhanizatsiia montazha zhilykh zdanii iz krupnykh sbornykh elementov. Minsk, Gosizdat BSSR, 1963. 194 p.

AUGSKAPS, R. P., and J. K. MEZULIS. [Cassettes with reinforced-concrete partitions for manufacturing panels] Kassety s zhelezobetonnymi razdelitel'nymi stenkami dlia izgotovleniia panelei. Moskva, Gosstroiizdat, 1960. 22 p.

[AUTOMATION AND REMOTE CONTROL IN THE POWER-SUPPLY SYSTEMS OF ELECTRIC RAILROADS] Avtomatizatsiia i teleupravlenie ustroistvami energosnabzheniia elektricheskikh zheleznykh dorog. [By] I. I. Beneshevich, i dr. Moskva, Transzheldorizdat, 1963. 359 p.

AVROV, P. IA., and L. G. KOSMACHEVA. [Geology, and oil and gas potentials of the Ural Mountain region of Aktyubinsk Province and in the western part of the Mugodzhar Hills region] Geologicheskoe stroenie i perspektivy neftegazonosnosti Aktiubinskogo Priural'ia i Zapadnogo Primugodzhar'ia. Alma-Ata, Izd-vo AN KazSSR, 1963. 162 p.

BAGOTSKII, V. S., and V. N. FLEROV. [New developments in the field of chemical sources of electric current] Noveishie dostizheniia v oblasti khimicheskikh istochnikov toka. Gosenergoizdat, 1963. 254 p.

BARDANIAN, L. E. [Organization of a regular flow of production in the machinery industry. Voprosy organizatsii ritmichnogo proizvodstva v mashinostroenii. Erevan, Armianskoe gos. izd-vo] 1961. 90 p. [In Armenian]

BARILL, A. V., and V. A. MESHCHERIAKOV. [Wide-range reaping units] Shirokozakhvatnye zhatvennye agregaty. Moskva, Sel'khozizdat, 1963. 190 p.

BATISHCHEV, I. I. [Loading and unloading operations in automotive transportation] Pogruzochno-razgruzochnye raboty na avtomobil'nom transporte. Moskva, Avtotransizdat, 1963. 215 p.

BEGMA, I. V., and E. S. TOMAREVSKAIA. [Design of a highway taking visual perception into consideration] Proektirovanie avtomobil'noi dorogi s uchetom zritel'nogo vosprilatiia. Moskva, Avtotransizdat, 1963. 74 p. (Obmen tekhnicheskim opytom dorozhnykh khoziaistv)

BERKOVICH, M. A., ed. [Manual on relay protection systems] Spravochnik po releinoi zashchite. [By] M. A. Berkovich i dr. Moskva, Gosenergoizdat, 1963. 512 p.

BIELANOVS'KYI, M. H., and R. M. SHOR. [Modernization of the equipment of the leather industry] Modernizatsiia ustatkuvannia shkiriianoi promyslovosti. Kyiv, Derzhtekhvydav URSR, 1961. 102 p.

BIRIUKOV, N. M., and P. F. CHUDAREV. [Lectures in the course "Theoretical fundamentals of the technology and processes of the manufacture of airplane parts" for students in evening classes] Lektsii po kursu "Teoreticheskie osnovy tekhnologii i protsessy izgotovleniia detalei samoletov" dlia studentov vechernego otdeleniia. Pod obshchei red. P. F. Chudareva. Moskva, Oborongiz, 1963. 175 p.

BOGDANOV, N. KH., and M. U. MURATOV. [Drilling slim wells] Burenie skvazhin umen'shennogo diametra. Ufa, Bashkirskoe knizhnoe izd-vo, 1962. 98 p.

BOLGOV, I. V., IU. M. KOPYLOV, and N. S. PASECHNIKOV. [Operating tractors in winter] Ekspluatatsiia traktorov v zimnikh usloviiakh. Moskva, Biuro tekhn. informatsii, 1963. 38 p.

BUDNIKOV, V. I., A. P. RAKOV, and A. V. TERIUSHNOV, eds. [Cotton spinning] Priadenie khlopka. [By] P. D. Baliasov i dr. Moskva, Rostekhizdat.
Pt. 1. 1962. 433 p.

BUGRIMENKO, I. F. [Determining cutting conditions for machining on lathes] Opredelenie rezhimov rezaniia dlia raboty na tokarnykh stankakh. Moskva, Mashgiz, 1963. 166 p.

BURIAKOVSKII, L. A., and F. I. SAMEDOV. [Geophysical methods of studying reservoirs of the Apsheron Archipelago] Geofizicheskie metody izucheniia kollektorov Apsheronskogo arkhipelaga. Baku, Azerbaidzhanskoe gos. izd-vo, 1961. 126 p.

CHEBOTAREV, E. V. [Principles of electric traction] Osnovy elektricheskoi tiagi. Moskva, Gosenergoizdat.
Pt. 2. [Theory of operation, methods for design, and choice of the parameters of the principal elements of electric-power supply systems of electric railroads] Teoriia raboty, metody rascheta i vybor parametrov osnovnykh elementov sistemy elektrosnabzheniia elektricheskikh dorog. 1963. 183 p.

CHERNOV, R. V. [Nonsinusoidal currents in the power networks of a.c. rectifier locomotives] Nesinusoidal'nye toki v silovykh tsepiakh vypriamitel'nykh elektrovozov peremennogo toka, lektsiia po distsipline "Elektrooborudovanie podvizhnogo sostava elektricheskikh zheleznykh dorog" dlia studentov V kursa spetsial'nosti "Elektrifikatsiia zheleznykh dorog" Moskva, Vses. zaochnyi in-t inzhenerov zhel-dor transp., 1963. 27 p.

DADAIAN, G. A. [Mineral wealth of Armenia] Bogatstva nedr Armenii. Erevan, Armgosizdat, 1963. 49 p.

DANILOV, P. P. [Safety manual on transporting building machinery and equipment by trailers] Pamiatka po tekhnike bezopasnosti pri perevozke stroitel'nykh mekhanizmov i oborudovaniia na traileriakh. Izd. 2, perer. i dop. Moskva, Gosstroiizdat, 1963. 31 p. (Tekhnika bezopasnosti v stroitel'stve)

DEKHTIARENKO, P. I. [Maximum voltage indicators] Indikatory naibol'shego napriazheniia. Kiev, Izd-vo Akad. nauk USSR, 1963. 53 p. (Spravochnaia seriia po novoi tekhnike)

DENISOV, V. I. [Mechanization of work in the Yakhroma spinning and weaving factory] Mekhanizatsiia truda na IAkhromskoi priadil'no-tkatskoi fabrike. Moskva, Gizlegprom, 1963. 32 p.

DERBENEV, S. I., and K. M. MIRONOV. [Technology of the industrial biological retting of bast raw materials] Tekhnologiia promyshlennoi biologicheskoi mochki lubianogo syr'ia. Moskva, Gizlegprom, 1963. 190 p.

DOLGOV, I. A., and I. M. ZEL'TSERMAN. [Machines and instruments for the mechanization of hay harvesting, theory calculations and design] Mashiny i orudiia dlia mekhanizatsii senouborochnykh rabot, teoriia, raschet i konstruktsiia. Moskva, Mashgiz, 1963. 343 p.

DUL'KIN, V. IA., and A. A. ULESOV. [Submerged arc welding of reinforcements] Vannaia elektrodugovaia svarka armatury. Moskva, Orgenergostroi, 1962. 53 p. (Iz opyta energeticheskogo stroitel'stva)

EGOROV, K. P. [Long-distance multichannel telecommunication, dynamics of automatic level control] Dal'niaia mnogokanal'naia sviaz', dinamika avtomaticheskoi regulirovki urovnei (ARU). Uchebnoe posobie dlia studentov-zaochnikov. Leningrad, Leningr. elektrotekhn. in-t sviazi im. prof. M. A. Bonch-Bruevicha,
No. 10. 1962. 22 p.

EGORUSHKIN, V. E., and others. [Mechanical engineering] Mashinovedenie. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 554 p.

[ELECTRICAL EQUIPMENT OF FERROUS METALLURGY ENTERPRISES] Elektrooborudovanie predpriiatii chernoi metallurgii. [By] V. D. Afanas'ev i dr. Moskva, Metallurgizdat, 1963. 606 p.

EVNEVICH, A. V. [Machines for mine haulage] Gornye transportnye mashiny. Izd. 2. Moskva, Gosgortekhizdat, 1963. 467 p.

FARKHADZADE, M. M. [Hydroelectric power resources and their utilization] Su-enerketika ehtiiatlary ve onlardan istifade olunmasy. Baky, Azerbaichan SSR, 1962. 44 p. [In Azerbaijani]

FATEEV, E. M. [Windmills and wind-driven installations] Vetrodvigateli i vetroustanovki. 2., perer. izd. Moskva, Sel'khozgiz, 1957. 535 p.

FIDELEV, A. S., and M. M. ZHERBIN. [Trackless trolley-truck transportation] Trollleivoznyi transport. Kiev, Gostekhizdat USSR, 1963. 104 p.

FINKEL'SHTEIN, S. M. [Semiautomatic line in the production of wood chips] Poluavtomaticheskaia linila po proizvodstvu drevesnoi struzhki. Leningrad, 1963. 12 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Derevoobrabatyvaiushchaia promyshlennost', no. 2)

[FIRST MAJOR INDUSTRIAL CHEMICAL COMPLEX] Pervenets bol'shoi khimii. [Riazan'] Riazanskoe knizhnoe izd-vo, 1960. 78 p.

FOMENKO, IU. E., M. S. POZIN, and V. M. FAINSHTEIN. [Operator of guillotine shears] Rezchik gil'otinnykh nozhnits. Moskva, Metallurgizdat, 1963. 157 p.

FRANISEVICH, I. N., R. F. VOITOVICH, and V. A. LAVRENKO. [High temperature oxidation of metals and alloys] Vysokotemperaturnoe okislenie metallov i splavov. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1963. 321 p.

GAFANOVICH, V. S., and N. K. IAKUNIN. [Automatic control of the feed speed on circular gang saws] Avtomaticheskoe regulirovanie skorosti podachi na mnogopil'nykh kruglopil'nykh stankakh. Moskva, Goslesbumizdat, 1963. 143 p.

GARBUZ, N. A. [Bimetallic machine parts] Bimetallicheskie detali mashin. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963. 65 p.

GASHUNIN, V. F., and O. K. POSTNIKOV. [Controlling noise and vibrations] Bor'ba s shumom i vibratsiei. Tema V. Uchebnoe posobie po kursu "Tekhnika bezopasnosti" dlia studentov zaochnogo i vechernego otdelenii. Moskva, Mosk. poligr. in-t, 1963. 22 p.

GIPTSBERG, A. S. [Model designs for apartment houses at industrial sites] Tipovoe proektirovanie zhilykh zdanii pri industrial'nom stroitel'stve. Leningrad, Gos. izd-vo po stroit. i arkhit., 1954. 193 p.

GIRSHIN, P. I. [Mechanization of cleaning work in the textile industry] Mekhanizatsiia chistki v tekstil'nom proizvodstve. Moskva, Gizlegprom, 1963. 158 p.

GLADKOV, K. M. [Machine-tool attachments used in the manufacture of textile machinery] Stanochnye prisposobleniia v tekstil'nom mashinostroenii. Moskva, Mashgiz, 1963. 214 p.

GLUSHKOV, L. A. [Protection from overheating in the hot shops of metallurgical plants] Zashchita ot peregrevov v gorlachikh tsekakh metallurgicheskikh zavodov. Moskva, Metallurgizdat, 1963. 213 p.

GOLDSHTEIN, L. V. [Safety manual for electricians servicing construction equipment] Pamiatka po tekhnike bezopasnosti dlia elektromontera po obsluzhivaniu stroitel'nykh mekhanizmov. Izd. 2, perer. i dop. Moskva, Gosstroiizdat, 1963. 81 p. (Tekhnika bezopasnosti v stroitel'stve)

GORANSKII, G. K. [Using electronic computers in calculating cutting conditions] Raschet rezhimov rezaniia pri pomoshchi elektronno-vychislitel'nykh mashin. Minsk, Gos. izd-vo BSSR, 1963. 191 p.

GORDEEV, V. A. [Collection of problems on weaving] Sbornik zadach po tkachestvu. Moskva, Gizlegprom, 1963. 180 p.

GORDON, G. IA. [Stabilization of synthetic polymers] Stabilizatsiia sinteticheskikh polimerov. Moskva, Goskhimizdat, 1963. 299 p.

GORFUNKEL', I. I. [Manual for laboratory and practical work in the commercial study of food merchandise, fish and fish products] Rukovodstvo k laboratornym i prakticheskim rabotam po tovarovedeniiu prodovol'stvennykh tovarov; ryba i rybnye tovary. Moskva, Gostorgizdat, 1963. 70 p.

GORIAINOVA, T. S. [Chemical products for domestic use] Tovary bytovoi khimii. Moskva, Gos. izd-vo torgovoi lit-ry, 1963. 70 p. (Dlia doma, dlia sem'i)

GORINOV, A. V., ed. [Design and planning of railroads] Proektirovanie zheleznykh dorog. [By] A. V. Gorinov i dr. Moskva, Transzheldorizdat, 1963. 308 p.

GRISHAEV, V. I. [Railroad tunnels] Zheleznodorozhnye tonneli. Moskva, Transzheldorizdat, 1963. 382 p.

GROMYKO, A. G. [Electric arc method for manufacturing bimetallic bearings] Elektrodugovoi sposob izgotovleniia bimetallicheskikh podshipnikov. [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1963. 52 p.

GUKAILO, M. IA. [Autocollimation] Avtokollimatsiia. Moskva, Mashgiz, 1963. 104 p.

GURSKII, P. A., and others. [Organization of a field laboratory for measuring and control instruments] Opyt organizatsii dorozhnoi kontrol'no-izmeritel'noi laboratorii. Moskva, Transzheldorizdat, 1962. 167 p.

GUSEV, E. A. [Cutting and tailoring of women's coats] Raskroi i poshiv zhenskikh pal'to. Minsk, Gos. izd-vo BSSR, 1962. 327 p.

GUZENKOV, P. G. [Plastics in the machinery industry and plastic machine parts] Plastmassy v mashinostroenii i detali mashin iz plastmass; lektsiia. Moskva, Vses. zaochnyi politekhnicheskii in-t, 1961. 52 p.

[HANDBOOK FOR THE MECHANICAL ENGINEER IN TWO VOLUMES] Spravochnik tekhnologa mashinostroitelia v dvukh tomakh. Pod red. V. M. Kovana. Moskva, Mashgiz,
Vol. 1. Kosilova, A. G., ed. Izd. 2, ispr. i dop. 1963. 887 p.

[HANDBOOK FOR THE METALWORKER IN FIVE VOLUMES] Spravochnik metallista v piati tomakh. Glav. red. N. S. Acherkan. Moskva, Mashgiz,
Vol. 4. Pod red. A. N. Malova. 1959. 778 p.

IASTREBOV, P. P., ed. [Electrical engineering and electric equipment] Elektrotekhnika i elektrooborudovanie, obshchii kurs. [By] N. L. Amatuni i dr. [Moskva] Rozvuzizdat, 1963. 646 p.

IBAD-ZADE, IU. A. [Water conveying and measuring structures in irrigation] Vodoprovodlashchie i vodoizmeritel'nye sooruzheniia pri oroshenii. [Baku, M-vo sel'khoz. Azerbaidzhanskoi SSR, 1961] 291 p. [MICROFILM]

IGNATENOK, F. V., A. F. TIMOFEEV, and B. I. IAKOVLEV. [Agricultural land improvement, a textbook] Sel'skokhoziaistvennye melioratsii; uchebnoe posobie. Minsk, Gos. izd-vo sel'khoz. lit-ry, BSSR, 1963. 291 p.

IGNAT'EV, M. B. [Holonomic automatic systems] Golonomnye avtomaticheskie sistemy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 203 p.

INBER, F. I. [Characteristics of the design and maintenance of ZIL-157K and ZIL-164A motor trucks] Osobennosti v konstruktsii i obsluzhivanii avtomobilei ZIL-157K i ZIL-164A. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1963. 19 p.

INSTITUT TEKHNICHESKOI INFORMATSII I EKONOMICHESKIKH ISSLEDOVANII PO NEFTIANOI I GAZOVOI PROMYSHLENNOSTI. [Underground repair of oil wells; survey of foreign literature] Podzemnyi remont neftianykh skvazhin, obzor zarubezhnoi literatury. Sost. S. M. Gadiev i I. A. Lazarevich. Moskva, 1963. 143 p.
[MICROFILM]

IOFFE, A. F., and E. N. FILINOV. [Measurement of the parameters of ferrite cores having rectangular hysteresis loops] Izmerenie parametrov ferritovykh serdechnikov s priamougol'noi petlei gisterezisa. Moskva, Gosenergoizdat, 1963. 134 p.

IOFIS, E. A. [Photography manual for schoolchildren] Fotografiia dlia shkol'nika. 2. izd., perer. i dop. Moskva, Iskusstvo, 1963. 140 p.

IPATOV, M. I. [Technical and economic evaluation of motor-vehicle elements in designing; motortrucks] Tekhniko-ekonomicheskaia otsenka konstruktsii avtomobilei pri proektirovanii; gruzovye avtomobili. Moskva, Mashgiz, 1963. 186 p.

IPATOV, S. S. [Jig-boring machines used in the precision manufacture of instruments] Koordinatno-rastochnye stanki v tochnom priborostroenii. Pod red. E. F. Ermilova. Moskva, Oborongiz, 1954. 195 p.

ITEL'SON, G. M., and V. B. ZHILKIN. [Titanium equipment in the production of nickel] Titanovoe oborudovanie v proizvodstve nikelia. [Murmansk] Murmanskoe knizhnoe izd-vo, 1963. 124 p.

IUR'EV, B. N. [Aerodynamic analysis of helicopters] Aerodinamicheskii raschet vertoletov. Moskva, Oborongiz, 1956. 959 p.

IUROK, A. IU. [Hello, universe!] Zdravstvui, Vselennaia! Moskva, Izd-vo "Znanie," 1961. 63 p. (Prochti tovarishchi)
[MICROFILM]

IVANITSKII, IU. P. [Corrugator machines] Gofrirovat'nye mashiny. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1962. 33 p. (Bumaga i tsellyuloza)
[MICROFILM]

IVANOV, E. K. [Organization and technological processes of multiple machining] Organizatsiia i tekhnologiia gruppovogo proizvodstva. Pod red. G. A. Glazova. [Leningrad] Lenizdat, 1963. 164 p.

IVANOV, K. I., and others. [Boring holes in underground mining of ores] Burenie shpurov i skvazhin pri podzemnoi dobyche rud. Moskva, Gosgortekhizdat, 1963. 130 p.

KAMENITSKII, S. P. [Perlite, its properties, technology, and use] Perlity; svoistva, tekhnologiia i primenenie. Moskva, Gosstroiizdat, 1963 279 p

KANETSIAN, G. M. [Finishing in construction work Stroitel'nye otdelochnye raboty Erevan, Armianskoe gos. izd-vo] 1961. 114 p. [In Armenian]

KAZAKEVICH, V. V [Automatic control of technological operations] Avtomaticheskoe regulirovanie tekhnologicheskikh protsessov, uchebnoe posobie po kursu "Avtomaticheskoe upravlenie i regulirovanie tekhnologicheskikh protsessov v poligrafii." Moskva, Mosk. poligr. in-t, 1963. 65 p.

KAZARINOV, V. M. [Automatic brakes] Avtotormoza. Izd. 2. Moskva, Transzheldorizdat, 1963. 238 p.

KHANLAROVA, A. G. [Protection of steel against corrosion in neutral media] Zashchita stali ot korrozii v neitral'nykh sredakh. Baku, Azerbaidzhanskoe gos. izd-vo, 1962. 93 p.

KHLEBTSEVICH, A. I., A. E. IVANOV, and I. I. ROMANOV. [Public office of technical information] Obshchestvennoe biuro tekhnicheskoi informatsii. [Moskva] Profizdat, 1963. 44 p.

KHOPERIIA, T. N [Chemical nickel plating on nonmetallic materials] Khimicheskoe nikelirovanie nemetallicheskikh materialov Leningrad, 1963. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom: Seriia. Zashchitnye pokrytiia metallov, no. 3)

KHRISTOFOROV, B. S., and E. D GLOTKO. [Analysis of the products of the lead industry] Veshchestvennyi analiz produktov svintsovogo proizvodstva. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 94 p.

KIBIREV, B. I. [Maintenance of a motor vehicle, educational manual for the study of the topic No. 10 "Maintenance of trailers"] Tekhnicheskoe obsluzhivanie avtomobilia; uchebno-metodicheskoe posobie po izucheniiu temy No. 10 "Tekhnicheskoe obsluzhivanie pritsepov." Gor'kii, Zaochnyi avtomobil'no-dorozhnyi tekhnikum, 1963. 17 p.
[MICROFILM]

KISELEV, A. K. [New equipment and technology for the spinning of synthetic staple fibers] Novoe oborudovanie i tekhnologiia priadeniia shtapel'nykh volokon. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1962 121 p.

KOGAN, I. B. [Polarographic analysis in industrial sanitary chemistry] Poliarograficheskii analiz v promyshlenno-sanitarnoi khimii. Moskva, Medgiz, 1961. 151 p.

KOLCHIN, N. I. [Mechanical engineering] Mekhanika mashin. Moskva, Mashgiz.
Vol. 2. [Kinetostatics and dynamics of machines, Friction in machines] Kinetostatika i dinamika mashin, Trenie v mashinakh. Izd. 2., perer. 1963. 534 p.

KONDRAT'EVA, T. F. [Safety valves for compressor units] Predokhranitel'nye klapany dlia kompressornykh ustanovok Moskva, Mashgiz, 1963. 176 p

KON'KOV, P. S., A. IA. DONTSOV, and I. F. IURCHENKO. [Establishing work norms in railroad transportation] Tekhnicheskoe normirovanie truda na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1963. 366 p.

KOROL'KOV, I. I., and Z. A. TIAGUNOVA. [Continuous neutralization of hydrolysates] Nepreryvnaia neitralizatsiia gidrolizatorov. Moskva, TSentr. in-t tekhn. informatsii i ekonom. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963. 31 p. (Gidroliz i lesokhimiia)
[MICROFILM]

KOROTCHENKO, N. I. [Vitamin content of feed yeasts and methods for its determination] Soderzhanie i metody opredeleniia vitaminov v kormovykh drozhzhakh. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963. 39 p. (Gidroliz i lesokhimiia)
[MICROFILM]

KOROTKOV, A. I., and A. M. POLEVAIA. [Casting into shell molds] Lit'e v obolochkovye formy. Moskva, Mashgiz, 1963. 200 p. (Inzhenernye monografii po liteinomu proizvodstvu)

KORYTNYI, D. M. [Cutters] Frezy. Moskva, Mashgiz, 1963. 116 p

KOSOLAPOV, G. V [Safety manual for operators of pile drivers] Pamiatka po tekhnike bezopasnosti dlia kopravshchikov Moskva, Gosstroiizdat, 1963 19 p (Tekhnika bezopasnosti v stroitel'stve)

KOSOLAPOV, G. V. [Safety manual for operators of post-hole diggers] Pamiatka po tekhnike bezopasnosti dlia mashinistov avtoiamoburov Moskva, Gosstroiizdat, 1963 13 p (Tekhnika bezopasnosti v stroitel'stve)

KOSSOVSKII, G. N., M. P. STRIZHEVSKII, and IU. I EFIMENKO [The Ukrainian Scientific Research Institute of Mechanical Woodworking Automatic Line no 3, with programmed control of the setting of machines] Avtomaticheskaia linila UkrNIIMOD-3,s programmnym upravleniem nastroikoi stankov. Kiev, Gostekhizdat USSR, 1963 21 p

KOSTIN, A. I [Take care of apartment houses] Berech' zhiloi fond [Moskva] Mosk rabochii, 1963 65 p.

KOTLIAREVSKII, K. V., and G. A. KOTLIAREVSKAIA. [Economical expenditure of veneer] Ratsional'nyi raskhod stroganoi fanery. Moskva, TSentr. in-t tekhnicheskoi informatsii i ekonomicheskikh issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1962. 43 p. (Derevoobrabotka)
[MICROFILM]

KOTLIAROV, E. L [Safety manual for operators of rotary kilns (kiln tenders)] Pamiatka po tekhnike bezopasnosti dlia mashinistov vrashchaiushchikhsia pechei (obzhigal'shchikov) Izd. 2., perer. i dop. Moskva, Gosstroiizdat, 1963. 25 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

KOVALENKO, K. O., and A. D. UL'IANOVA. [Natural fuel gases of the Ukrainian S. S. R. and their uses; a bibliographic index for 1917-1961] Pryrodni horiuchi gazy Ukrains'koi RSR ta ikh vykorystannia (1917-1961 rr), bibliografichnyi pokazhchuk. Za red. I. M. Karpa. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 287 p.

KOVRIGIN, V. D., G. A. LEVIKOV, and F. P. MOKSHANTSEV. [Tractors of capitalist countries] Traktory kapitalisticheskikh stran, spravochnik. Moskva, Mashgiz, 1963. 421 p

KOZLOV, V. P., A. I. OBLEZOV, and P. P. KOKETKIN [Seaming sewing machines with slanting needles of the 252 and 262 Class developed by the Podol'sk Mechanical Plant] Stachivaiushchie shveinye mashiny 252 i 262 klassov PMZ s otkloniaiushchimisia iglami. Moskva, Gizlegprom, 1963. 51 p. (Novoe otechestvennoe oborudovanie)

KREMLEVSKII, P. P. [Flowmeters; industrial instruments for measuring the consumption of liquids, gas and steam] Raskhodomery; promyshlennye pribory dlia izmerenila raskhoda zhidkosti, gaza i para. Moskva, Mashgiz, 1955. 435 p.

KROTOV, IU. V. [Special case of lateral instability of twin arches] Osobyi sluchai bokovoi neustoichivosti sparennykh arok. Novokuznetsk, Sibirskii metallurg in-t im. Sergo Ordzhonikidze, 1962. 11 p
[MICROFILM]

KRUGLOV, M. G. [Thermodynamics and gas dynamics of two-cycle internal combustion engines, gas exchange processes] Termodinamika i gazodinamika dvukhtaktnykh dvigatelei vnutrennego sgoraniia, protsessy gasoobmena Moskva, Mashgiz, 1963. 271 p.

KUDRIASHOV, V. P. [Mechanization of manganese ore mining] Mekhanizatsiia vyemki margantsevykh rud, Moskva, Gosgortekhizdat, 1963. 73 p.

KUNDZICH, M. M. [Equipment for rural water supply] Oborudovanie dlia sel'skokhoziaistvennogo vodosnabzhenila. Moskva, Sel'khozizdat, 1963 127 p.

KUZNETSOV, B. A., and E. V. GAEVOI. [Leather raw materials; fundamentals of the commercial study of materials, evaluation of quality, and primary processing] Kozhevennoe syr'e; osnovy tovarovedenila, otsenka kachestva i pervichnaia obrabotka. Moskva, Zagotizdat, 1963. 241 p.

KUZNETSOV, E. N. [Radial suspension systems; theory and design] Radial'nye vantovye sistemy, teoriia i raschet. Moskva, Gosstroiizdat, 1963. 120 p.

KUZNETSOV, N. I. [Supports and foundations] Opory i fundamenty. Moskva, Avtotransizdat, 1963. 30 p. (V pomoshch rabochemu-mostoviku)

KYIANITSIA-HUSLYSTA, N. M., comp. [Russian-Ukrainian dictionary on mechanics, 11,000 terms] Rosiis'ko-ukrains'kyi slovnyk z mekhaniky 11 000 terminiv. Kyiv, Vyd-vo Akad. nauk URSR, 1963 340 p

LAZAREV, A. A., I IA ROZET, and V I EFIMOV [KDM-100 engine, its design and operation] Dvigatel' KDM-100, ustroistvo i ekspluatatsiia Izd 2 Moskva, Mashgiz, 1963 257 p

LEBEDEV-KARMANOV, A. L., ed [Modern radio transmitting equipment for radio and television broadcasting on ultrashort waves] Sovremennoe radioperedaiushchee oborudovanie dlia radio i televizionnogo veshchaniia na ul'trakorotkikh volnakh. Moskva, Sviaz'izdat, 1963. 200 p. (Tekhnika sviazi)

LEIKIN, E. R., and G. D SOBOLEVA [Production of xylitol] Proizvodstvo ksilita. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1962 62 p. (Gidroliz i lesokhimiia)
[MICROFILM]

LENCHEVSKII, IU. S. [Ventilation units with the fan speed controlled by a variable-speed belt drive] Ventagregaty s reguliruemoi skorost'iu vrashcheniia ventilatora pri pomoshchi remennogo variatora; informatsionno-izdatel'skii sektor. Moskva, Akad. stroit. i arkhit. SSSR, Nauchno-issle. in-t sanitarnoi tekhniki, 1962. 12 p.

LENINGRAD. GOSUDARSTVENNYI INSTITUT PO PROEKTIROVANIIU METALLURGICHESKIKH ZAVODOV. [Instructions on the design of foundations for the equipment of rolling and pipe mills] Instruktsiia po proektirovaniiu fundamentov pod oborudovanie prokatnykh i trubnykh tsekhov. Moskva, Gosstroiizdat, 1963. 62 p. diagrs.

LENINGRAD. UNIVERSITET Fizicheskii fakul'tet [Laboratory work on linear systems] Laboratornye raboty po lineinym sistemam [Leningrad] 1963 168 p

LENINGRADSKII DOM NAUCHNO-TEKHNICHESKOI PROPAGANDY. Nauchno-tekhnicheskaia biblioteka. [Mechanical working of titanium alloys, a bibliography] Mekhanicheskaia obrabotka titanovykh splavov; bibliograficheskii ukazatel'. Pod red. A. Sh. Shifrina. Leningrad, 1963. 16 p. (Its: Seriia: Mekhanicheskaia obrabotka metallov)

LEVENKO, P. I. [Experimental use of "Zhiramol" in leather fat-liquoring] Opyt primeneniia zhiramola pri zhirovanii kozh. Moskva, Gizlegprom, 1963. 42 p.

LEVENKO, P. I. [Use of the LZ-5 plasticizer in the manufacture of leather and industrial fabrics] Primenenie plastifikatora LZ-5 pri proizvodstve kozh i tekhnicheskikh tkanei. Moskva, Gizlegprom, 1963. 28 p.

LEVENKO, P. I., and M. A. KHELEMSKII. [New technological processes in leather manufacture] Novye tekhnologicheskie protsessy v kozhevennom proizvodstve. Moskva, Rostekhizdat, 1963. 159 p.

LEVI, S. S., and G. P. SOKOV. [Saving reinforcing steel is an important task of the builder] Ekonomiia armaturnoi stali — vazhnaia zadacha stroitelei Moskva, Gosstroiizdat, 1963. 37 p.

LEVIN, M. I. [Automation of diesel electric power plants; standard technology and devices] Avtomatizatsiia dizel'-generatornykh ustanovok, tipovaia tekhnologiia i unifitsirovannye sredstva. Moskva, Mashgiz, 1963. 164 p.

LIBERMAN, A. D., and others. [Large reinforced concrete structures in industrial construction] Krupnorazmernye zhelezobetonnye konstruktsii v promyshlennom stroitel'stve, iz opyta stroitel'stva mekhanosborochnogo korpusa zavoda stankov-avtomatov im. Gor'kogo v Kieve. Kiev, gos. izd-vo lit-ry, po stroit. i arkhit. USSR, 1963. 49 p.

LIPATOVA, N. I., and O. M. STEPANOVA. [Industrial training of cooks] Proizvodstvennoe obuchenie povarov; metodicheskoe posobie. Moskva, Profizdat, 1963. 187 p.

LOZINSKII, V. N. [Using acetylene substitutes in the welding and cutting of metals] Ispol'zovanie zameniteli atsetilena pri svarke i rezke metallov. Moskva, Transzheldorizdat, 1963. 18 p. (Dostizhenila nauki i tekhniki v proizvodstve)

LOZOVSKAIA, M. I. [Production organization in the Kupavna Fine Worsted Fabrics Mill, an enterprise of communist labor] Organizatsiia proizvodstva Kupavinskoi tonkosukonnoi fabriki—predpriiatiia kommunisticheskogo truda. Moskva, Gizlegprom, 1963. 54 p.

LUBAN, L. L. [Miracles enter life] Chudesa vkhodiat v zhizn'. Moskva, Sovetskaia Rossiia, 1963. 193 p

LUCHKIN, A.I., and P.V.SAFRONOV. [Laboratory manual on road-building materials] Laboratornyi praktikum po dorozhno-stroitel'nym materialam. Izd. 2, perer. i dop. Moskva, *Avtotransizdat*, 1963. 134 p.

LYSACHENKO, I. A. [Electric and radio engineering insulating materials] Elektro-radioizoliatsionnye materialy. Moskva, Sviaz'izdat, 1963. 134 p.

LYTKIN, V. I., and K. I. LYTKIN. [Conversion of machinery plant furnaces to natural gas] Perevod pechei mashinostroitel'nykh zavodov na prirodnyi gaz. Moskva, Mashgiz, 1963. 119 p.

MAKHNOVICH, A. T. [Safety manual for workers subjected to vibrations while servicing equipment] Pamiatka po tekhnike bezopasnosti dlia rabochikh, podvergaiushchikhsia vibratsii pri obsluzhivanii oborudovaniia. Izd 2., perer. i dop. Moskva, Gosstroiizdat, 1963. 20 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

MAKULIN, I. S. [Safety manual for stonecutters] Pamiatka po tekhnike bezopasnosti dlia rezchika kamnia Moskva, Gosstroiizdat. 1963 37 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

MAL'KEVICH, A. V. [Programmed operation of electric furnaces for the testing of heat-resistant materials] Programmnaia rabota elektricheskikh pechei pri ispytanii zharoprochnykh materialov. Leningrad, 1963 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy Obmen peredovym opytom. Seriia, Elektricheskie metody obrabotki materialov; metallovedenie i termicheskaia obrabotka, no. 1)

MALYSHEV, G. A., and A. N. EZERSKII. [Fundamentals of the design and manufacture of plastic parts in the automobile industry] Osnovy proektirovaniia i proizvodstva detalei iz plastmass v avtomobilestroenii. Moskva, Mashgiz, 1963. 231 p.

[MANUAL FOR WORKERS OF FISH PROCESSING PLANTS; collection of technological instructions and reference material on the primary processing of fish on board fishing ships of the Kaliningrad Economic Council] Spravochnik rybообrabotchika, sbornik tekhnologicheskikh instruktsii, spravochnogo materiala po pervichnoi obrabotke ryby na promyslovykh sudakh Kaliningradskogo sovnarkhoza [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1962 259 p.

MANVELIAN, E. G. [Safety engineering in oil well production] Tekhnika bezopasnosti pri ekspluatatsii neftianykh skvazhin. Moskva, Gostoptekhizdat, 1963. 155 p.

MARAMZIN, A. V. [Boring holes in frozen rock for the purpose of geological prospecting] Opyt burenila geologorazvedochnykh skvazhin v merzlykh porodakh. Moskva, Gosgeoltekhizdat, 1963. 71 p.

MATVEEV, B. K. [Geophysical methods of studying the movement of underground waters] Geofizicheskie metody izucheniia dvizheniia podzemnykh vod. Moskva, Gosgeoltekhizdat, 1963. 132 p

MATVEEV, V. F. [Semiautomatic machine for manufacturing springs and laying them in terminal blocks Automatic machine for thread cutting in a terminal bridge] Polуavtomat dlia izgotovleniia pruzhin s ukladkoi ikh v klemmnye kolodki. Avtomat dlia narezki rez'by v klemmnom mostike. Leningrad, 1963. 11 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Pribory i elementy avtomatiki, no. 1)

MEDOVAR, B. I., and IU. V. LATASH. [The rebirth of steel] Stal' rozhdaetsia vnov'. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no. 16)

MEDVEDKO, A. I. [Boring and blasting operations] Burovzryvnye raboty. Moskva, Gosgortekhizdat, 1963. 334 p.

MEEROV, M. V., and V. G. DIANOV. [Theory of automatic control and automatic controllers] Teoriia avtomaticheskogo regulirovaniia i avtoregulіatory. Moskva, Gostoptekhizdat, 1963. 416 p.

MEL'NIKOV, N. [Captains of the stars] Zvezdnye kapitany. Moskva, Sovetskaia Rossiia, 1963. 252 p. (Liudi Sovetskoi Rossii)

MEL'NIKOV, N. P. [Constructional types and design methods for nuclear reactors] Konstruktivnye formy i metody rascheta konstruktsii iadernykh reaktorov. Moskva, Gosatomizdat, 1963. 518 p.

MERKIN, I. B., N. D. SOLOV'EV, and I. I. KHOKHLOV. [Linting of cottonseeds] Linterovanie khlopkovykh semian. Moskva, Gizlegprom, 1963. 268 p

MIKHALIN, G. I. [Manual for the repair and assembly of stationary diesel engines] Spravochnik mastera po remontu i montazhu statsionarnykh dizelei Moskva, Mashgiz, 1963 247 p

MILEIKOVSKII, I. E. [Designing cylindrical concrete shells] Raschet zhelezobetonnykh tsilindricheskikh svodov-obolochek. Moskva, Gosstroiizdat, 1963. 134 p.

MIRCHINK, M. F., and others. [Regularities in the distribution of oil and gas wells] O zakonomernostiakh razmeshchenila neftianykh i gazovykh mestorozhdenii. Moskva, Gostoptekhizdat, 1963. 120 p.

MOGILIANSKII, N. K. [Hose for wine conveying and its maintenance] Vinnye shlangi i ukhod za nimi Kishinev, Partiinoe izd-vo TsK KP Moldavii, 1962 11 p. [MICROFILM]

MONFRED, IU. B. [Technology of manufacturing reinforced-concrete elements for apartment houses; the cassette method] Tekhnologiia izgotovleniia zhelezobetonnykh izdelii dlia zhilishchnogo stroitel'stva; kassetnyi sposob. Moskva, Gosstroiizdat, 1963. 189 p.

MOROZOV, P. A. [Concise manual on the adjustment of tractors] Kratkii spravochnik po regulirovkam traktorov. Moskva, Sel'khozizdat, 1963 311 p

MOSCOW. ENERGETICHESKII INSTITUT IMENI G. M. KRZHIZHANOVSKOGO. [Methods for covering peak power loads] Metody pokrytiia pikov elektricheskoi nagruzki. Moskva, Izd-vo Akad. nauk SSSR. 1963. 526 p.

MOSCOW. TSENTRAL'NYI INSTITUT INFORMATSII *TSVETNOI METALLURGII*. [*Waste waters from enterprises of nonferrous metallurgy and methods of their purification*] Stochnye vody predpriiatii tsvetnoi metallurgii i metody ikh ochistki. Moskva, 1963. 15 p (Obogashchenie) [MICROFILM]

MOSCOW, TSENTRAL'NYI INSTITUT INFORMATSII TSVETNOI METALLURGII. [Working of nonferrous metals and alloys in capitalist countries] Obrabotka tsvetnykh metallov i splavov v kapitalisticheskikh stranakh. Moskva.
Pt. 1. [Technical and economic review and the technology of rolling] Tekhniko-ekonomicheskii obzor i tekhnologiia proizvodstva prokata. 1962. 349 p. [MICROFILM]

MOSCOW TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII I PRIBOROSTROENIIA, *ELEKTROTEKHNICHESKOI PROMYSHLENNOSTI I SREDSTV AVTOMATIZATSII*. [Design of automatic welding machines, abstracts] Konstruirovanie avtomaticheskikh svarochnykh mashin, referativnaia informatsiia Moskva, 1963 19 p. [MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PISHCHEVOI PROMYSHLENNOSTI. [Protective coatings for vessels in the brewing, wine making, and yeast industry] Zashchitnye pokrytiia emkostei v pivovarennoi, vinodel'cheskoi i drozhzhevoi promyshlennosti. Moskva, 1963. 16 p. (Tekhnicheskaia informatsiia) [MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PISHCHEVOI PROMYSHLENNOSTI. [Use of dry skim milk and oil-and-water emulsions in bread making] Ispol'zovanie obezzhirennogo sukhogo moloka i zhirovodnykh emulsii v khlebopechenii. Moskva, 1963. 23 p. (*Tekhnicheskaia informatsiia*) [MICROFILM]

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PRIBOROSTROENIIA, ELEKTROTEKHNICHESKOI PROMYSHLENNOSTI I SREDSTV AVTOMATIZATSII. [New developments in the manufacture of electrical machines during the last ten years] Novoe v proizvodstve elektricheskikh mashin za desiat' let. Moskva, 1963. 14 p. (Electrotechnicheskaia promyshlennost' za rubezhom)

MOSCOW, TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PRIBOROSTROENIIA, ELEKTROTEKHNICHESKOI PROMYSHLENNOSTI I SREDSTV AVTOMATIZATSII. [Technology of the manufacture of electric transformers] Nekotorye voprosy tekhnologii izgotovleniia transformatorov. Moskva, 1963. 18 p. (Elektrotekhnicheskaia promyshlennost' za rubezhom)

MOSCOW TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MEKHANICHESKOI OBRABOTKI DREVESINY [Album of standard shielding and protecting devices for basic types of sawmilling and woodworking equipment] Al'bom tipovykh ogradite'nykh ustroistv i predokhranitel'nykh prisposoblenii dlia osnovnykh vidov lesopil'no-derevoobrabatyvaiushchego oborudovaniia. Moskva, Goslesbumizdat, 1963. 51 p

MOSCOW. VYSSHEE TEKHNICHESKOE UCHILISHCHE. [Investigating the processes and machinery for deep-freezing] Issledovanie protsessov i mashin glubokogo kholoda, sbornik statei Pod red S.IA. Gersha. Moskva, Mashgiz, 1958. 77 p.

MURASHEV, N. V. [Methods of teaching a general course in metalwork] Metodika prepodavaniia obshchego kursa slesarnogo dela. Moskva, Proftekhizdat, 1963. 163 p.

NAUCHNO-TEKHNICHESKOE OBSHCHESTVO MASHINOSTROITEL'NOI PROMYSHLENNOSTI. TSentral'noe pravlenie [Using stepless transmissions in tractors and agricultural machines] Primenenie besstupenchatykh peredach v traktorakh i sel'skokhoziaistvennykh mashinakh; sbornik dokladov. Moskva, Mashgiz, 1963. 157 p.

NEKLIUDOV, M. K. [Safety manual for quarrymen] Pamiatka po tekhnike bezopasnosti dlia kamenoloma na kar'ere Izd. 2., ispr. i dop. Moskva, Gosstroiizdat, 1963 23 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

NESVITSKII, IA. I. [Service life of a motor vehicle] Dolgovechnost' avtomobilia. Moskva, Avtotransizdat, 1963. 43 p. (Nauchno-populiarnaia biblioteka avtomobilista)

NIKOL'SKII, E. N. [Railroad-car-type shells with openings, theoretical bases for stress investigations] Obolochki s vyrezami tipa vagonnykh kuzovov, teoreticheskie osnovy issledovaniia napriazhenii. Moskva, Mashgiz, 1963. 311 p

NOSKOV, S. K. [Waterproofing in industrial construction] Ustroistvo gidroizoliatsii v promyshlennom stroitel'stve. Moskva, Gosstroiizdat, 1963. 214 p. (Seriia prakticheskikh posobii po povysheniu masterstva v promyshlennom stroitel'stve)

NOZADZE, A. D. and D. M. LOMSADZE. [Principles of rolling mill practice. Osnovy prokatnogo proizvodstva. Tbilisi, Gos. izd-vo uchebno-pedagog. lit-ry "TSodna," 1961. 430 p. [In Georgian]

OKERBLOM, N. O., V. P. DEMIANTSEVICH, and I. P. BAIKOVA. [Planning the procedure for the manufacture of welded structures; design methods] Proektirovanie tekhnologii izgotovleniia svarnykh konstruktsii; raschetnye metody. Leningrad, Sudpromgiz, 1963. 602 p

PANFILOV, N. D. [Sound in motion pictures] Zvuk v fil'me. Moskva, Iskusstvo, 1963. 117 p. (Biblioteka kinolіubitelia)

PARAMONOV, V. F., and A. I. SOLOMONOV. [Machining profile parts on surface-grinding machines] Obrabotka profil'nykh detalei na ploskoshlifoval'nykh stankakh. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963. 73 p.

PARFENOV, V. M. [Safety manual for blasters (in open areas)] Pamiatka po tekhnike bezopasnosti dlia vzryvnika (na otkrytykh rabotakh). Izd. 2., perer. i dop. Moskva, Gosstroiizdat, 1963. 29 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

PARSHIKOV, N. A. [Use of precast-concrete structures in the construction of electric substations] Primenenie sbornogo zhelezobetona pri sooruzhenii podstantsii. Moskva, Orgenergostroi, 1962. 33 p. (Iz opyta energeticheskogo stroitel'stva)

PEREPELKIN, V. P. [Polypropylene, its properties and methods of processing it] Polipropilen, ego svoistva i metody pererabotki. Leningrad, 1963. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Sinteticheskie materialy, no. 1)

PESKOV, V. M., and M. F. REBROV. [Wait for us, stars!] Zhdite nas, zvezdy! Pod red. N. P. Kamanina. Moskva, Molodaia gvardiia, 1963. 165 p.

PIZHURIN, A. A. [Principles underlying the process of wood turning] Osnovy protsessa tochenila drevesiny. Moskva, Goslesbumizdat, 1963. 115 p.

PLISKIN, IU. S., and A. N. VALOV. [Methods and equipment for measuring low radioactivity in metal and slag specimens] Metody i apparatura dlia izmerenila malykh radioaktivnostei prob metalla i shlaka Moskva, Metallurgizdat, 1963 132 p

PLOTNIKOV, A M [Development miner] Prokhodchik podgotovitel'nykh vyrabotok 3 perer i dop izd Moskva, Gosgortekhizdat, 1963. 254 p

POBEDINSKII, I V [Setting up technical norms in the construction of main pipelines] Tekhnicheskoe normirovanie na stroitel'stve magistral'nykh truboprovodov Moskva, Gostoptekhizdat, 1963 110 p

POPOV, V A [Principles of the organization of technological processes in the manufacture of heavy machinery] Printsipy postroenila tekhnologii tiazhelogo mashinostroenila Moskva, Mashgiz, 1963 178 p

POSPELOV, P. A. [Physics and petroleum] Fizika i neft', Moskva, Izd-vo "Znanie," 1963. 29 p. (Novoe v zhizni, nauke, tekhnike IX Seriia Fizika i khimiia, no. 19)

PRAVITSKII, N.K. [Mine hoisting apparatus] Rudnichnye pod"emnye ustanovki Moskva, Gosgortekhizdat, 1963 416 p

PRITYKIN, D. P., and A. V. DRIMBO [Modernizing the sintering department of the "Zaporozhstal'" Plant] Rekonstruktsiia agiomeratsionnol fabriki zavoda "Zaporozhstal'." Moskva, Metallurgizdat, 1963 94 p

PROFSOIUZ RABOCHIKH STROITEL'STVA I PROMYSHLENNOSTI STROITEL'NYKH MATERIALOV. [Model programs for teaching safety measures to workers, and testing engineers' knowledge of safety procedures in construction] Tipovye programmy po obucheniiu rabochikh bezopasnym metodam truda i proverke znanii inzhenerno-tekhnicheskikh rabotnikov po tekhnike bezopasnosti v stroitel'stve. Utverzhdeny TsK profsoiuza rabochikh stroitel'stva i promyshlennosti stroitel'nykh materialov 27 iiunia 1962 g. Moskva, Gosstroiizdat, 1963. 96 p.

PROKOF'EV, IU. V. [Safety manual for erectors of cableways] Pamiatka po tekhnike bezopasnosti dlia slesarla-montazhnika podvesnykh kanatnykh dorog. Moskva, Gosstroiizdat, 1963 28 p. (Tekhnika bezopasnosti v stroitel'stve)

PYSHKIN, V P, S A KARABANOV, and V. A. PONOMAREV [Manual for the mechanic of a grain receiving station] Spravochnik mekhanika khlebopriemnogo punkta Pod red. K P. Frolova. Moskva, Zagotizdat, 1963 243 p

RABINOVICH, A. N., and others [Automatic checking in the manufacture of machines and instruments] Avtomatizatsiia kontrolia v mashinostroenii i priborostroenii Moskva, Mashgiz, 1963 122 p. (Nauchno-populiarnaia biblioteka molodogo rabochego)

RABINOVICH, A. N., V. S. MATVEICHUK, and O. B. SHTANKOV. [Automatization zagruzki i razgruzki metallorabatyvaiushchego oborudovaniia. Moskva, Mashgiz, 1963 115 p. (Nauchno-populiarnaia biblioteka molodogo rabochego)

RADCHENKO, L. A. [Control of automated electric drives] Upravlenie avtomatizirovannym elektroprivodom, posobie po laboratornym rabotam. Kiev, Gostekhizdat USSR.
Pt. 1. 1963. 336 p.

RAKHMATULLIN, KH. A., and S. S. SEMENOV, eds. [Shock tubes] Udarnye truby; sbornik statei. Moskva, Izd-vo inostr. lit-ry, 1962. 699 p.

RAZU, R. M. [Automation of the purification of petroleum refinery waste waters] Avtomatizatsiia ochistki stochnykh vod neftepererabatyvaiushchikh zavodov. Moskva, Gostoptekhizdat, 1963. 112 p.

[RESEARCH ON THE UTILIZATION OF SOLAR ENERGY] Issledovaniia po ispol'zovaniiu solnechnoi energii. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR.
No. 1. 1963. 107 p.
[MICROFILM]

[RESEARCH ORGANIZATION IN THE INDUSTRY OF THE U. S. A. Translated from the English] Organizatsiia nauchnykh issledovanii v promyshlennosti SShA. Pod red. O. N. Talenskogo. Moskva, Izd-vo inostr. lit-ry, 1962 314 p.

RETNEV, V. M [Work hygiene in concrete production] Gigiena truda pri izgotovlenii betona Leningrad, Medgiz, 1963. 99 p (Biblioteka prakticheskogo vracha)

REZNICHENKO, V. A., M. B. RAPOPORT, and V. A. TKACHENKO. [Titanium metallurgy, investigating the electric melting of titanium slags] Metallurgiia titana, issledovanie elektroplavki titanovykh shlakov Moskva, Izd-vo Akad. nauk SSSR, 1963. 198 p.

RUBETS, D. A., and O. K. SHUKHOV. [Fuel systems of motor-vehicle carburetor engines, their design, maintenance, and adjustment] Sistemy pitaniia avtomobil'nykh karbiuratornykh dvigatelei, ustroistvo, tekhnicheskoe obsluzhivanie i regulirovka Pod obshchei red. D. A. Rubtsa Moskva, Avtotransizdat, 1963. 332 p

RUDENKO, N. F., M. P. ALEKSANDROV, and A. G. LYSIAKOV. [Course project in the design of hoisting machinery] Kursovoe proektirovanie gruzopod"emnykh mashin. Moskva, Mashgiz, 1963 303 p.

RUSSIA (1917- R S F S R) Ministerstvo montazhnykh i spetsial'nykh stroitel'nykh rabot Tekhnicheskoe upravlenie [Safety instructions for insulation work and the manufacture of materials at production bases] Instruktivnye ukazaniia po tekhnike bezopasnosti pri proizvodstve teploizoliatsionnykh rabot i izgotovlenii materialov na proizvodstvennykh bazakh Moskva, Gosstroiizdat, 1963 102 p

RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie lokomotivnogo khoziaistva. [Album of drawings of TE3, TE7, TE2, TE1, TEM1, and TU2 diesel locomotives, electric apparatus] Al'bom chertezhei teplovozov TE3, TL7, TE2, TE1, TEM1 i TU2, elektricheskie apparaty. Moskva, Transzheldorizdat.
Vol. 2. 1963. 394 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu [Use of silicon power rectifiers in electric drives; from materials of the ASEA firm] Primenenie silovykh upravliaemykh kremnievykh ventilei v elektroprivode, po materialam firmy ASEA Referativnaia informatsiia Moskva, Izd-vo TsINTI, 1963. 23 p (Elektrotekhnicheskaia promyshlennost' za rubezhom)

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.
Pt. 1. Sec. V ch. 6. [Gypsum and gypsum-concrete products] Gipsovye i gipsobetonnye izdeliia (SNiP I-V. 6-62). 1963. 7 p.
Pt. 1. Sec. V. ch. 16. [Sheet glass and glass products] Steklo listovoe i stekliannye izdeliia (SNiP I-V, 16-62). 1963. 16 p.
Pt. 1. Sec V. ch. 21. [Fixtures for windows, doors, gates, and lamps] Pribory dlia okon, dverei, vorot i perepletov fonarei (SNiP I-V, 21-62). 1963. 9 p.
Pt. 1. Sec. V. ch. 25. [Roofing, waterproofing, and steamproofing materials based on organic binders] Kiovel'nye, gidroizoliatsionnye i paroizoliatsionnye materialy na organicheskikh viazhushchikh (SNiP I-V. 25-62). 1963. 19 p.
Pt. 2. Sec. A. ch 12. [Building in earthquake areas; standards of design] Stroitel'stvo v seismicheskikh raionakh, normy proektirovaniia (SNiP II-A. 12-62). 1963. 48 p.
Pt. 2, Sec. D. ch. 7. [Bridges and culverts; standards of design] Mosty i truby; normy proektirovaniia (SNiP II-D. 7-62) 1963. 62 p.
Pt. 2. Sec. G. ch. 5. [Interior sewerage lines for production and service buildings of industrial enterprises; standards of design] Vnutrennaia kanalizatsiia proizvodstvennykh i vspomogatel'nykh zdanii promyshlennykh predpriiatii, normy proektirovaniia (SNiP II-G. 5-62). 1963. 14 p.
Pt. 2, Sec. G. ch. 8. [Hot-water supply, standards of design] Goriachee vodosnabzhenie, normy proektirovaniia (SNiP II-G. 8-62) 1963. 11 p.
Pt 2. Sec. K. ch. 3. [Streets, roads, and squares in populated places; standards of design] Ulitsy, dorogi i ploshchadi naselennykh mest, normy proektirovaniia (SNiP II-K. 3-62). 1963. 32 p.
Pt. 2. Sec. L. ch 14. [Laundries, standards of design] Prachechnye; normy proektirovaniia (SNiP II-L. 14-62). 1963. 12 p.
Pt. 2. Sec. N. ch. 4. [Greenhouses and hotbeds, standards of design] Teplitsy i parniki; normy proektirovaniia (SNiP II-N. 4-62). 1963. 10 p.
Pt. 3. Sec. B. ch. 5. [Stabilization and artificial firming of soils; regulations for the organization, performance, and acceptance of work] Stabilizatsiia i iskusstvennoe zakreplenie gruntov; pravila organizatsii, proizvodstva i priemki rabot (SNiP III-B. 5-62). 1963. 23 p.
Pt. 3, Sec. B, ch. 6. [Foundations and supports of piling and shells, pile walls; regulations for production and acceptance of work] Fundamenty i opory iz svai i obolochek, shpuntovye ograzhdenila, pravila proizvodstva i priemki rabot (SNiP III-B. 6-62). 1963. 36 p.
Pt 3, Sec. B ch. 10 [Construction on sagging soils, regulations for the organization, performance, and acceptance of work] Stroitel'stvo na prosadochnykh gruntakh; pravila organizatsii, proizvodstva i priemki rabot (SNiP III-B. 10-62). 1963. 6 p
Pt. 3. Sec E. ch. 1 [Communication installations, radio and television, general regulations for the organization of construction and acceptance of work] Sooruzhenila sviazi, radioveshchaniia i televidenila; obshchie polozhenila organizatsii stroitel'stva i priemki v ekspluatatsiiu (SNiP III-E. 1-62). 1963. 11 p.
Pt. 3, Sec. G. ch. 10. 1. [Hoisting and transport equipment, regulations for manufacture and acceptance of assembly work] Pod"emno-transportnoe oborudovanie; pravila proizvodstva i priemki montazhnykh rabot (SNiP III-G. 10. 1-62) 1963. 30 p.

SAMOILOV, V. F. [Qualitative indices of a television image] Kachestvennye pokazateli televizionnogo izobrazhenila. Moskva, Gosenergoizdat, 1963. 54 p. (Massovaia radiobiblioteka, no. 475)

SAVASTEEV, V. G. [Frequency method for analyzing the quality of control processes] Chastotnyi metod analiza kachestva protsessov regulirovaniia, lektsiia po distsipline "Avtomaticheskoe regulirovanie" dlia studentov elektrofizicheskogo fakul'teta spetsial'nosti—Avtomaticheskie izmeritel'nye ustroistva i pribory, i dlia studentov energeticheskogo fakul'teta spetsial'nosti — Elektrooborudovanie promyshlennykh predpriiatii. Moskva, Gos. izd-vo "Vysshaia shkola," 1962. 45 p

SAVVATEEVA, Z. V. [Technology of the manufacture of knit clothing] Tekhnologiia trikotazhno-shveinogo proizvodstva. Moskva, Gizlegprom, 1963. 430 p.

SENATOV, I. G., and IU. A KURIKHINA. [Vertical nonautonomous Kd-43s air-conditioner with 1,500 m^3/hr. productive capacity] Vertikal'nyi neavtonomnyi konditsioner Kd-43s proizvoditel'nost'iu 1500 m^3/chas. Moskva, Biuro proektno-konstruktorskoe i tekhn. pomoshchi, 1962. 30 p
[MICROFILM]

SEVOST'IANOV, A G. [Magnetic rollers and forces acting in exhaust devices] Magnitnye valiki i sily, deistvuiushchie v vytiazhnykh priborakh Moskva, Gizlegprom, 1963. 98 p

SHCHERBAKOV, V. P., and A. B. RABINOVICH. [Manual for the conductor of passenger cars] Rukovodstvo provodniku passazhirskikh vagonov Izd. 5, perer. i dop Moskva, Transzheldorizdat, 1963. 310 p.

SHCHERBININ, A. A. [Operating a drilling machine] U sverlil'nogo stanka [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1962 12 p. (Udarniki kommunisticheskogo truda)

SHEINA, K. P., and M. F. IAKOVLEV. [Taking care of the most important] V zabote o glavnom. [Moskva] Mosk. rabochii, 1963. 109 p. (V pomoshch' agitatoru i propagandistu)

SHVIDLER, M. I [Filtration flows in nonhomogeneous media] Fil'tratsionnye techeniia v neodnorodnykh sredakh. Moskva, Gostoptekhizdat, 1963. 134 p

SIL'VINSKAIA, K. A. [Design of equalizers and filters using master forms] Raschet vyravnivatelei i fil'trov pri pomoshchi shablonov. Moskva, Sviaz'izdat, 1963. 95 p. (Lektsii po tekhnike sviazi)

SKVORTSOV, V. N., ed. [Applied chemistry in machinery manufacture] Prikladnaia khimiia v mashinostroenii; sbornik statei. Moskva, Mashgiz, 1955. 65 p.

SLEMZIN, V. I., and V. P. SHCHERBAKOV. [Type KVZ-5 and KVZ-TsNII car trucks; design, maintenance and repair characteristics] Telezhki tipa KVZ-5 i KVZ-TsNII, osobennosti konstruktsii, remonta i tekushchego soderzhaniia. Moskva, Transzheldorizdat, 1963. 63 p.

SMIRNOV, G. M [Work mechanization of the installation operations of thermal and mechanical equipment in thermal electric-power plants] Mekhanizatsiia rabot po montazhu teplomekhanicheskogo oborudovaniia teplovykh elektrostantsii. Moskva, Orgenergostroi, 1962. 56 p. (Iz opyta energeticheskogo stroitel'stva)

SOVETSHCHANIE PO OSHOVNYM PROBLEMAM TEORII MASHIN I MEKHANIZMOV. 3d, Moscow, 1961. [Analysis and synthesis of mechanisms] Analiz i sintez mekhanizmov, sbornik statei. Moskva, Mashgiz, 1963. 234 p.

SOVETSHCHANIE PO PRIMENENIIU VAKUUMA V METALLURGII. 3d. [Transactions of the Conference on the Use of Vacuum in Metallurgy] Trudy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 251 p.
[MICROFILM]

STUKHIN, P. S., and V. D. KOLESNIKOV. [Mechanization and automation of the assembly and welding operations in the manufacture of diesel locomotives] Mekhanizatsiia i avtomatizatsiia sborochno-svarochnykh rabot v teplovozostroenii. Moskva, Mashgiz, 1963. 125 p.

STRIZHEVSKII, I. V. [Theory and design of drainage and cathodic protection of main pipelines against stray current corrosion] Teoriia i raschet drenazhnoi i katodnoi zashchity magistral'nykh truboprovodov ot korrozii blukhdaiushchimi tokami. Moskva, Gostoptekhizdat, 1963. 230 p.

SUGAK, P. A. [The KE$_8$ system brakes for express passenger trains] Tormoz sistemy KE$_8$ dlia skorostnykh passazhirskikh poezdov. Moskva, Transzheldorizdat, 1963. 23 p.

SUKHANOV, A. F., ed. [Boring and blasting operations] Burovzryvnye raboty. [By] A. F. Sukhanov i dr. Moskva, Gosgortekhizdat, 1962. 242 p.

TARASOV, E. V. [Optimum flight conditions for flying vehicles] Optimal'nye rezhimy poleta letatel'nykh apparatov. Moskva, Oborongiz, 1963. 247 p.

TASHMUKHAMEDOV, T. R. [New way of working a thick, flat coal seam] Novyi sposob razrabotki moshchnogo pologopadaiushchego ugol'nogo plasta. Tashkent, Goslzdat UzSSR, 1963. 71 p.

[TECHNICAL DOCUMENTATION ON CABLE JOINTING SLEEVES] Tekhnicheskaia dokumentatsiia na kabel'nye mufty. Moskva, Gosenergoizdat
No 14 [Jointing sleeves and termination of three-wire 1 kv cables with aluminum sheathing used as common neutral wire (fourth strand)] Mufty i zadelki na trekhzhil'nykh kabeliakh s alliumialevoi obolochkoi na napriazhenie 1 kv pri ispol'zovanii obolochki v kachestve nulevogo rabochego provoda (chetvertoi zhily) 1963. 55 p.

[TECHNOLOGY OF MILK PRODUCTS AND TECHNO-CHEMICAL CONTROL] Tekhnologiia molochnykh produktov i tekhnokhimicheskii kontrol'. [By] M. G. Demurov i dr. Moskva, Pishchepromizdat, 1962. 447 p.

[TERMINOLOGY OF FOUNDING IN SIX LANGUAGES, English, Czech, German, French, Polish, Russian] Sbornik terminov po liteinomu proizvodstvu na 6 iazykakh: angliiskii, cheshskii, nemetskii, frantsuzskii, pol'skii, russkii. Warsaw, Wydawnictwa naukowo-techniczne, [1963] 306 p.

TISHCHENKO, O. F. [Toothed transmissions of watch mechanisms] Zubchatye peredachi chasovykh mekhanizmov. 2., dop. i perer. izd. Moskva, Mashgiz, 1963. 211 p.

TSEITLIN, A. S. [Hydraulic calculations for ceramic and glass pipes] Gidravlicheskii raschet keramicheskikh i stekliannykh truboprovodov. Kiev, Gosstroiizdat USSR, 1963. 45 p.

TSENTRAL'NAIA NAUCHNO-TEKHNICHESKAIA BIBLIOTEKA LESNOI I BUMAZHNOI PROMYSHLENNOSTI. [Safety measures at lumbering camps, bibliographical index of Soviet literature for 1930-1962 and foreign literature for 1940-1961] Tekhnika bezopasnosti na lesozagotovkakh; bibliograficheskii ukazatel' otechestvennoi literatury za 1930 - 1962 gg. i inostrannoi literatury za 1940 - 1961 gg. Moskva, 1963. 60 p.

TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. [Catalog-handbook "Motor vehicles of the U. S. S. R."] Katalog-spravochnik "Avtomobili SSSR." Moskva.
Pt. 1. [Motortrucks and motorbuses] Avtomobili i avtobusy. 1963. 137 p.

TSENTRAL'NYI INSTITUT TEKHNICHESKOI INFORMATSII I EKONOMICHESKIKH ISSLEDOVANII PO LESNOI, BUMAZHNOI I DEREVOOBRABATYVAIUSHCHEI PROMYSHLENNOSTI. [Efficient sawing of low-quality (firewood) and low-grade wood] Ratsional'nyi raskroi nizkokachestvennoi (drovianoi) i nizkosortnoi drevesiny. Moskva, 1963. 61 p. (Lesoekspluatatsiia)
[MICROFILM]

TSENTRAL'NYI INSTITUT TEKHNICHESKOI INFORMATSII I EKONOMICHESKIKH ISSLEDOVANII PO LESNOI, BUMAZHNOI I DEREVOOBRABATYVAIUSHCHEI PROMYSHLENNOSTI. [Mechanizing the production and finishing processes of television cabinets] Mekhanizatsiia protsessov proizvodstva i otdelki korpusov televizorov. Moskva, 1963. 37 p. (Derevoobrabotka)
[MICROFILM]

TSENTRAL'NYI INSTITUT TEKHNICHESKOI INFORMATSII I EKONOMICHESKIKH ISSLEDOVANII PO LESNOI, BUMAZHNOI I DEREVOOBRABATYVAIUSHCHEI PROMYSHLENNOSTI. [Modernization of high-speed paper making machines] Modernizatsiia bystrokhodnykh bumagodelatel'nykh mashin, po materialam mezhvuzovskoi shkoly, sozvannoi NTO bumazhnoi i derevoobrabatyvaiushchei promyshlennosti v g. Kondopoge 12-13 aprelia 1962 g. Moskva, 1963. 46 p.
[MICROFILM]

TSENTRAL'NYI INSTITUT TEKHNICHESKOI INFORMATSII I EKONOMICHESKIKH ISSLEDOVANII PO LESNOI, BUMAZHNOI I DEREVOOBRABATYVAIUSHCHEI PROMYSHLENNOSTI. [Modernization of low and medium-speed paper making machinery] Modernizatsiia bumagodelatel'nykh mashin srednei i malol skorosti. Moskva, 1963. 58 p. (Bumaga i tsellioloza)
[MICROFILM]

TSENTRAL'NYI INSTITUT TEKHNICHESKOI INFORMATSII I EKONOMICHESKIKH ISSLEDOVANII LESNOI, BUMAZHNOI I DEREVOOBRABATYVAIUSHCHEI PROMYSHLENNOSTI. [Utilization of sawmilling waste for manufacturing industrial shavings] Ispol'zovanie otkhodov lesopiliniia dlia polucheniia tekhnologicheskoi shchepy. Moskva, 1963. 24 p. (Bumaga i tsellioloza)
[MICROFILM]

TSENTRAL'NYI INSTITUT TEKHNICHESKOI INFORMATSII UGOL'NOI PROMYSHLENNOSTI. [Analysis of the practice of driving horizontal development workings] Analiz opyta provedeniia gorizontal'nykh podgotovitel'nykh vyrabotok, sbornik statei. Moskva, 1962. 39 p. (Seriia "Stroitel'stvo i rekonstruktsiia ugol'nykh predpriiatii")
[MICROFILM]

TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PATENTNOI INFORMATSII I TEKHNIKO-EKONOMICHESKIKH ISSLEDOVANII. [Collection of Russian and foreign patents; semiconductors and their applications] Sbornik otechestvennykh i zarubezhnykh izobretenii, poluprovodniki i ikh primenenie. Moskva, 1963. 77 p.

TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT SHVEINOI PROMYSHLENNOSTI. [Fundamentals of the technology of the assemblage of men's, women's and children's outerwear] Osnovy tekhnologii poshivok obshchikh muzhskoi, zhenskoi i detskoi verkhnei odezhdy. Moskva, Rostekhizdat, 1963. 573 p.

TSYKIN, G. S. [Electronic amplifiers] Elektronnye usiliteli. Izd. 2., dop. Moskva, Sviaz'izdat, 1963. 509 p.

TUPITSYN, P. S. [Checking the technical condition of the cylinder-piston group and valves of motor-vehicle engines without dismantling] Kontrol' tekhnicheskogo sostoianiia tsilindro-porshnevoi gruppy i klapanov avtomobil'nykh dvigatelei bez razborki. Moskva, Avtotransizdat, 1963. 25 p.

TURCHIN, N. IA. [Start of thermal electric-power plants in cold weather] Iz opyta puska teplovykh elektrostantsii v zimnikh usloviiakh. Moskva, Orgenergostrol, 1962. 66 p. (Iz opyta energeticheskogo stroitel'stva)

TURUTA, N. U. [Blaster in underground ore mining] Vzryvnik pri podzemnoi dobyche rud. Moskva, Gosgortekhizdat, 1963. 159 p.

UKRAINSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MEKHANICHESKOI OBRABOTKI DREVESINY. [New developments in the production of materials with a base of wood and synthetic resins] Novoe v proizvodstve materialov na osnove drevesiny i sinteticheskikh smol. Kiev, Gosstroiizdat USSR, 1963. 86 p.

VASHCHENKO, I. I., M. N. KUDRIAVTSEV, and E. D. CHEREPANOV. [Designing highway lay-out] Proektirovanie trassy avtomobil'nykh dorog. [Omsk] Omskoe knizhnoe izd-vo, 1961. 103 p. (Biblioteka studenta, no. 1)
[MICROFILM]

VASIL'EV, V. I. [Differential optimalizing control systems] Differentsial'nye sistemy ekstremal'nogo regulirovaniia. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963. 70 p. (Spravochnaia seriia po novoi tekhnike)

VAVILOV, V. V., and A. A. ORLOV. [KM-9 and KM-9D coal-mining units] Ugledobyvaiushchie kompleksy KM-9 i KM-9D. Moskva, Gosgortekhizdat, 1963. 111 p.

VI DENEEV, G. M., and V. F. VERSHIN. [Radio receiver with electronic tuning] Radiopriemnik s elektronnoi nastroikoi. Moskva, Gosenergoizdat, 1963. 15 p. (Massovaia radiobiblioteka, no. 472)

VEDERNIKOV, M. I., and I. V. RUDOI. [Operation of compressor and pumping machinery in the chemical industry] Mashinist kompressornykh i nasosnykh ustanovok khimicheskoi promyshlennosti. Moskva, Profitekhizdat, 1963. 374 p.

VERBUK, R. M., and others. [Dismantling, assembly and repair of SMD engines] Razborka, sborka i remont dvigatelei SMD. Moskva, Sel'khozizdat, 1963. 174 p.

VESLER, L., T. SDOBNOVA, and CH. SOBOLEVSKII. [Use of organosilicon compounds in the bakery industry] Primenenie kremniiorganicheskikh soedinenii v khlebopekarnoi promyshlennosti, pishchevaia promyshlennost'. Riga, TSentr. biuro tekhn. informatsii, 1962. 22 p.
[MICROFILM]

VINOGRADOV, N. V. [Electrician's manual on the repair of electrical machines] Elektrosliesar' po remontu elektricheskikh mashin. Moskva, Profitekhizdat, 1963. 239 p.

VOISHVILLO, G. V. [Electron-tube low frequency amplifiers] Usiliteli nizkoi chastoty na elektronnykh lampakh. Izd. 2., dop. Moskva, Sviaz'izdat, 1963. 750 p.

VOL'FSON, S. I. [Air and steam method of removing coke from petroleum refinery furnaces] Parovozdushnyi sposob udaleniia koksa iz pechei neftepererabatyvaiushchikh zavodov. Moskva, Gostoptekhizdat, 1963. 51 p.

VOROB'EV, F. F. [Electrification in socialist agriculture] Elektrifikatsiia sotsialisticheskogo sel'skogo khoziaistva. Moskva, Goskul'prosvetizdat, 1954. 55 p. (Bibliotechka v pomoshch' lektoru)

VOROB'EVA, A. A., and N. D. ZAKATOVA. [Commercial study of materials used for footwear manufacture] Materialovedenie obuvnogo proizvodstva. Izd. 3., perer. i dop. Moskva, Gizlegprom, 1963. 274 p. (Uchebniki i uchebnye posobiia dlia podgotovki rabochikh massovykh professii)

VSESOIUZNOE SOVESHCHANIE PO PROVETRIVANIIU RUDNIKOV I OBESPYLIVANIIU RUDNICHNOGO VOZDUKHA, Dzhezkazgan, 1960. [Transactions of the All-Union Conference on Mine Ventilation and Dust Removal] Trudy. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 267 p.
[MICROFILM]

VSESOIUZNOE SOVESHCHANIE — SEMINAR PO OBMENU OPYTOM ELEKTROTERMICHESKOGO SPOSOBA NATIAZHENIIA ARMATURY SBORNYKH ZHELEZOBETONNYKH KONSTRUKTSII, Moscow, 1962. [Electrothermal method of stretching reinforcements in precast reinforced-concrete elements] Elektrotermicheskii sposob natiazheniia armatury sbornykh zhelezobetonnykh konstruktsii, [sbornik materialov]. Moskva, Gosstroiizdat, 1963. 105 p.

VUL'F, A. M. [Metal cutting] Rezanie metallov. Moskva, Mashgiz, 1963. 427 p.

WORLD POWER CONFERENCE, Sectional meeting, Madrid, 1960. [Development of power engineering abroad. Translations] Voprosy razvitiia zarubezhnoi elektroenergetiki; doklady. Sbornik perevodov pod red. B. P. Lebedeva. Moskva, Gosenergoizdat, 1962. 174 p.
[MICROFILM]

ZHAROVA, E. IA. [New method for the manufacture of glucose] Novyi metod polucheniia glukozy. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 38 p.
[MICROFILM]

ZHILIN, G. A., and others. [The TEP60 diesel locomotive for passenger trains] Passazhirskii teplovoz TEP60. Moskva, Transzheldorizdat, 1963. 222 p.

ZHIRITSKII, G.S., ed. [Gas turbines of aircraft engines] Gazovye turbiny aviatsionnykh dvigatelei [By] G.S. Zhiritskii i dr. Moskva, Oborongiz, 1963 604 p.

ZHOKHOVSKII, V.V., and SH.R MARASULOV. [Assembly and installation of machinery in cotton-spinning factories] Montazh mashin khlopkoprialil'nogo proizvodstva. Moskva, Gizlegprom, 1963 239 p.

ZIOLKOWSKI, ZDISLAW [Liquid extraction in the chemical industry. Translated from the Polish] Zhidkostnaia ekstraktsiia v khimicheskoi promyshlennosti. Pod red. P.G. Romankova Leningrad, Goskhimizdat, 1963. 478 p.

ZOTIKOV, V.E., and others. [Equipment and technology for the processing of fibrous materials] Mekhanicheskaia tekhnologiia voloknistykh materialov. Pod red. V.E. Zotikova. Moskva, Gizlegprom, 1963. 638 p.

ZVORYKIN, A.A. and others [History of technology] Istoriia tekhniki Moskva, Izd-vo sots.-ekon. lit-ry, 1962 772 p.
(RPB)

17. MILITARY & NAVAL SCIENCES

ALESHIN, N.I., and F.S. DAVIDOVICH. [Loading devices for testing naval generators] Nagruzochnye ustroistva dlia ispytaniia sudovykh generatorov. Leningrad, Sudpromgiz, 1963. 82 p.

BIRIUK, V.S. [Repair shops aboard ships] Sudovye masterskie. Leningrad, Sudpromgiz, 1963. 138 p.

BUDNOV, G.P. [Automatization in antiaircraft defense] Avtomatizatsiia v PVO. Moskva, Voenizdat, 1963. 93 p.

DOBRUSHIN, D.S., and B.M. TOROKHOV. [Guardsmen of a cavalry corps] Konnogvardeitsy [Volgograd] Volgogradskoe knizhnoe izd-vo, 1963 187 p.

GALKIN, R.N., and I.E. SHMERLING [Automatic devices for beacons and buoys] Avtomaticheskie ustroistva v sudokhodnoi obstanovke Moskva, Izd-vo "Rechnoi transport," 1963 91 p.

GIL'ZIN, K.A. [Rockets and radio] Raketa i radio. Moskva, Voenizdat, 1963. 82 p. (Nauchno-populiarnaia biblioteka voennogo izdatel'stva)

[HANDBOOK ON SHIP REPAIRS IN TWO VOLUMES] Spravochnik po remontu sudov v dvukh tomakh. Pod obshchei red. M.I. Chernova. Moskva, Izd-vo "Rechnoi transport."
Vol. 2 1963 600 p.

ILIUKHIN, N.V. [Bulgarian People's Army] Bolgarskaia Narodnaia armiia. Moskva, Voenizdat, 1963 87 p.

ISKRA, E.V. [Safety measures during painting operations in shipbuilding] Tekhnika bezopasnosti pri maliarnykh rabotakh v sudostroenii. Leningrad, Sudpromgiz, 1963. 86 p. (Bibliotechka po tekhnike bezopasnosti)

ISKRA, E.V., and E.S. GUREVICH. [Modern ship paints, a review] Sovremennye sudovye kraski; obzor. Leningrad. (Leningradskii dom nauchno-tekhnicheskoi propagandy Seriia: Zashchitnye pokrytiia)
Pts 1-2 1963.

KOLESNIKOV, M.M. [Artillery piece in combat] Artilleriiskoe orudie v boiu. Moskva, Voenizdat, 1963. 84 p. (Biblioteka serzhanta)

KONDAUROV, I.A., comp. [Perm Tank Brigade, reminiscences] Permskaia tankovaia brigada, sbornik vospominanii. [Perm'] Permskoe knizhnoe izd. 1962 149 p.
(MH)

KURKOTKIN, V.I., and V.L. STERLIGOV [Homing guidance of rockets] Samonavedenie raket Moskva Voenizdat, 1963 87 p. (Za voenno-tekhnicheskie znaniia. Raketnaia tekhnika)

LENINGRAD TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MORSKOGO FLOTA [Methods of testing thermodynamic processes in marine steam turbine plants] Metodika teplotekhnicheskikh ispytanii sudovykh paroturbinnykh ustanovok. Leningrad, Izd-vo, "Morskoi transport," 1962 118 p.

LYCHKOVSKAIA, I.V. [Theory and the structural design of a ship] Teoriia i ustroistvo korablia, uchebno-metodicheskoe posobie po vypolneniiu kursovogo proekta dlia studentov ekspluatatsionnoi spetsial'nosti Gor'kii, Gor'kovskii in-t inzhenerov vodnogo transporta, 1962 53 p.
[MICROFILM]

MIZERNITSKII, A.I. [Navigation] Navigatsiia. Moskva, Izd-vo "Morskoi transport," 1963. 526 p.

ROTMISTROV, P.A., ed. [History of the art of war] Istoriia voennogo iskusstva. Moskva, Voenizdat
Vol. 1-2. 1963.
_____ [Maps] Karty

SINIAEV, A.D. [Reconnaissance in a mountainous terrain] Razvedka v gornoi mestnosti. Moskva, Voenizdat, 1963. 106 p.

VAINERMAN, A.E. [Welding of hull structures in a carbon dioxide atmosphere] Svarka korpusnykh konstruktsii v srede uglekislogo gaza. Leningrad, Sudpromgiz, 1963. 147 p.

PART B—PERIODICALS

An asterisk (*) appearing before a periodical title indicates that it is available in full English translation. For publishers of such translated periodicals, their subscription prices, etc., see listing at end of this issue.

1. GENERAL

a. SCHOLARLY JOURNALS

AKADEMIIA NAUK SSSR. Vestnik [ACADEMY OF SCIENCES OF THE U.S.S.R. Journal]. Moscow, vol. 33, no. 9, Sep. 1963.

Table of contents translated:

Trapeznikov, V.A. - Development of industrial cybernetics. p. 3
Blagonravov, A.A. - Exploration of outer space and the upper atmospheric layers. p. 9.
IAzdovskii, V.I., Denisov, V.G. - Flights of the spaceships "Vostok-5" and "Vostok-6." p. 17.
Imshenetskii, A.A. - Life elsewhere in the universe. p. 23.
Krasovskii, V.I. - Auroras and the radiation of the night sky. p. 30.
Mel'nikov, N.V. - Fuel-energy balance of the U.S.S.R. and related scientific tasks. p. 33.
Plaude, K.K. - Important tasks confronting scientists in Soviet Latvia. p. 39
Grosul, IA.S. - Moldavian scientific research under the new conditions. p. 42
Datyrov, Sh.B. - Reorganization of the Academy of Sciences of the Turkmen S.S.R. p. 45
Kurbanov, G.A. - Scientific conception of the world and neopositivism. p. 49
Bernard Lowell visiting Soviet astronomers. p. 50.
Gol'danskii, V.I. - Conference on Reactions between Complex Nuclei, held in the United States. p. 65.
Zhirmunskii, A.V. - Symposium on Cytoecology, held at Leningrad. p. 69.
Narikashvili, S.P., Kostiuk, P.G. - Conference on Physiology in Mexico. p. 71.
Bochantsev, V.P. - Exploration of deserts in the United Arab Republic. p. 73.
Erpylev, N.P. - Conference of the Committee exploring the problem of optical observations of artificial satellites. p. 75.
Berezkin, V.G., Sakodynskii, K.I. - Fourth Symposium on Gaseous Chromatography. p. 76.
Khokhlov, A.S. - Coordinative Conference on the Chemistry of Peptides. p. 77.
Bondar', I.A., Moiseeva, V.V. - Conference on Silicates. p. 77.
Il'inskii, O.B. - Seminar on psycho- and neuropharmacology. p. 78.
Vysotskaia, S.O. - Conference on the study of Carpathian Fauna and Flora. p. 80.
Rodionenko, G.I. - Symposium on Irises. p. 81.
Belov, K.P., Shuvalov, L.A. - Symposium on ferromagnetism and ferroelectricity at Leningrad. p. 82.
Ustiev, E.K. - Third All-Union Conference on Petrography. p. 84.
Mamaeva, R.B., Azhazha, V.G. - Recent developments in underwater research disclosed at the Plenum of the Oceanographic Committee. p. 88.
Baranov, V.I. - A conference on geological time held at Moscow. p. 89.
Kutiev, I.P., Ibragimov, A.M. - All-Union Conference on the Effect of Sea Waves on Hydraulic Structures, held at Baku. p. 90.
Lange, K.A. - Conferences and symposia on current problems of the physiology of the nervous system. p. 92.
Belov, M.V. - All-Union Conference on Sociological Research. p. 95.
Bakinova, G., Ukhanova, N.N. - Conferences on the coordination of linguistics, held at Frunze and Moscow. p. 96.
In memory of N.N. Kachalov. p. 99.
Torgov, I.V., Povarov, L.S. - "Diene synthesis" by A.S. Onishchenko. p. 101.
Torgov, I.V., Povarov, L.S. - "History of Russian geographical discoveries" by L.S. Berg. p. 101.
Galkin, I.S. - Selected works. N.M. Lukin. p. 103.
New books. p. 106.

AKADEMIIA NAUK TURKMENSKOI SSR, Ashkhabad. Izvestiia. Seriia obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE TURKMEN S.S.R. Bulletin. Series in the Social Sciences]. Ashkhabad, no. 3, 1963.

Table of contents translated:

Atanliazov, Ch.K. - Struggle for the victory of the collective farm system in the districts of the Amu Darya Valley in Turkmenistan. p. 3.
Ashirov, S. - State labor reserves of the Turkmen S.S.R. in 1940-1945. p. 20.
Kubatieva, L.I. - Sociopolitical work of the Pioneers during the period of the formation and development of the children's communist movement in Turkmenistan. p. 30.
Masson, M.E. - From the work of the Joint Southern Turkmenistan Archaeological Expedition of the Academy of Sciences of the Turkmen S.S.R. in 1962. p. 45.
Kuliev, O., Kuprikova, E.N. - A useful book. p. 97.
Reshetov, V. - A work of major importance. p. 101
Annual meeting of the Academy of Sciences of the Turkmen S.S.R. p. 102

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Otdelenie obshchestvennykh nauk. Nauchnye raboty i soobshcheniia [ACADEMY OF SCIENCES OF THE UZBEK S.S.R. Department of Social Sciences. Studies and Reports]. Tashkent, vol. 5, 1962.

Table of contents translated:

Rakhimov, B. - Contradictions of the period of transition from socialism to communism and ways to overcome them. p. 5.
Stoliarova, IU. - V.I. Lenin on the role of creative imagination. p. 15.
Doroshenko, V. - The electric power basis of southwestern Uzbekistan and the main trends of its further development. p. 25.
Ibragimov, M. - Economic effectiveness of the use of the continuous flow method in the agricultural machinery industry of Uzbekistan. p. 38.
Khabikariev, Kh. - Some problems of the increase of labor productivity in the dairy industry; based on the practice of the dairy industry in Tashkent Province. p. 51.
Abdullaev, Z. - The role and meaning of indivisible funds in the development of the communal economy of a collective farm. p. 62.
Usmanov, K. - Intercollective farm production associations, based on materials from Andizhan Province. p. 75.
IUsupov, K. - Solution of the land and water supply problem in the period of the reconstruction of the agriculture of Uzbekistan. p. 88.
Musaev, Kh. - The decisive role of government ownership in the consolidation of the collective farm system; based on materials from the Uzbek S.S.R. p. 100.
Samibaev, Sh. - Development of the material and technical basis of the retail trade of the consumer cooperatives of the Uzbek S.S.R. p. 113.
Abdushukurov, T. - Technical progress and the sharp rise of the technical education level of the working class in the period of the large-scale building of communism, based on materials from Uzbekistan. p. 124.
Abdukarimov, I. - Overhead expenses and their effect on the profitableness of the consumer cooperatives of Uzbekistan. p. 139.
Arifkhanova, Z. - Industrial help extended by the Russian textile workers to the cotton growers of Uzbekistan during the carrying out of the collectivization, 1929-1930. p. 151.
Dzhumabaev, F. - Socio-economic and political prerequisites of the complete collectivization of agriculture in Kashka Darya Province, 1917-1929. p. 159.
Davranov, B. - Contribution of the young workers of Uzbekistan in increasing the output of agricultural products during the years of the Great Patriotic War, 1941-1945. p. 166.
Veriaskin, V. - "Krasnyi Vostok," the propaganda and instruction train of the All-Union Central Executive Committee of the R.S.F.S.R. and the Central Committee of the Russian Communist Party (Bolshevik) in Turkestan. p. 177.
Pachos, M. - Medieval burial on the ancient site of Afrasiab. p. 191.
Tashkhodzhaev, Sh. - Samarkand glazed pottery from the second half of the 12th century to the early 13th century. p. 197.
Akhrarov, I. - The meaning of the word "baraka" often appearing on the medieval glazed pottery. p. 212.
Zakhidov, P. - The architectural guz. p. 217.
Notkin, I. - Wall and ceiling painting method of the Khiva artists. p. 224.
Abdugafarova, A. - From the history of the economic and cultural relations between Turkestan and the adjacent countries of the East after the unification of Central Asia with Russia. p. 237.
Kasymov, A. - Some data on the governmental system of the Mysore Principality during the last stage of the fight against the British colonizers; end of the 18th century. p. 247.
Kutlukov, M. - Characteristics and motive forces of the national liberation movement of the peoples of Sinkiang in 1944-1949. p. 255.
Mel'nikov, V. - The correlation of contradictions and of quantitative and qualitative changes. p. 272.
Shaiusupova, G. - Zavki's social and political views. p. 281.
Ishimov, M. - Some problems of the right to water consumption in the cities of the Uzbek S.S.R. p. 292.
Babaeva, M. - Participation of trade unions in the regulation of working conditions with the agreement of the administrations of enterprises or institutions. p. 301.
Khaidarov, Kh. - Expression of the personal forms of the English passive in the Uzbek language. p. 318.
IAkubov, K. - The effect of the crop yield of the cotton plant on the labor productivity level in cotton growing; based on the practice of collective farms in Khorezm Province. p. 340.
Zilautdinova, Kh. - The ideological struggle in Uzbekistan in the early thirties of the 20th century. p. 351.
Samarkhodzhaev, B. - Democratic foundation of the election system of Uzbekistan under the 1937 Constitution of the Uzbek S.S.R. p. 366.
Nurullaev, A. - From the history of the organization of machine operators on state farms and machine-tractor stations of Uzbekistan, 1929-1932. p. 376.

AKADEMIIA NAVUK BSSR, Minsk. Vestsi, Seryia hramadskikh navuk [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Bulletin. Series in the Social Sciences]. Minsk, no. 2, 1963.

Table of contents translated:

Taikachoŭ, A.A. - Principle of the classification of the forms of motion. p. 5.
Zhbankova, I.I. - Characteristics of polar relations in physical objects. p. 16.
Shabunia, K.I. - Historiography of agrarian relations in White Russian and the White Russian peasant movement during the Revolution of 1905-1907. p. 28.
Bolbas, M.F. - Characteristics of the special branches of White Russian industry before the Reform of 1861. p. 39.
Hrytskevich, A.P. - Economic situation of privately owned White Russian cities in the first half of the 18th century. p. 52.
Shtykhaŭ, H.V. - Historical topography of the city of Polotsk. p. 63.
Hul'man, R. - Academic publication of IAnka Kupala's literary heritage. p. 73.
Arashonkava, A.U. - So-called Polonisms in the White Russian language; suffixes ending in "dl" and "lsk." p. 85.
Churko, IU.M. - First performance of a White Russian ballet in the White Russian Ballet Theater. p. 96.
Lis, A. - Revolutionary poetry of western White Russia in the 1920's. p. 106.
Brotka, IU.P. - Participation of the White Russian S.S.R. in the establishment of the United Nations. p. 115.
Hortsaŭ, V. - New books on the guerrilla movement in White Russia during the Great Patriotic War. p. 126.

Mialeshka, V - A book on the heroic revolutionary struggle of workers against the rule of the Polish bourgeoisie and landed gentry in western White Russia, 1920-1939 p.130
Kapyski, Z.IU. - An important and interesting publication. p.134
Vrakhoti, P. - A handbook on the literature and writings of the eastern Slavs p.136

EESTI NSV TEADUSTE AKADEEMIA. Toimetised Uhiskonnateaduste seeria, Izvestiia Akademii nauk Estonskoi SSR. Seriia obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R. Bulletin, Series in the Social Sciences]. Tallinn, vol.12, no 3, 1963.

LENINGRAD GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT IMENI A I GERTSENA Uchenye zapiski [A I. HERTZEN STATE PEDAGOGICAL INSTITUTE, Studies], Vol.197, 1958.

Table of contents translated.

Kiselev, A.A., Onufrieva, L.A. - Determination of certain trigonometric sums with coefficients representing arithmetical functions. p.5.
Remorov, P.N. - On certain indeterminate equations in cyclic finite extension fields. p.9.
Remorov, P.N - Representation of integers by circulant forms. p.16.
Mel'nikov, I.G. - Problem of the division of a lemniscate. Part 1. p.20.
Mel'nikov, I.G. - Problem of the division of a lemniscate. Part 2. p.39.
Gavrilov, L.I. - Focuses of quadratic curves. p.43.
Slobodetskii, L.N. - Generalized Sobolev spaces and their application to boundary value problems for partial differential equations. p.54.
Makhover, E.V. - Spectrum of the fundamental frequencies of a plate with a sharp edge. p.113.
Plotkin, I.R. - Limits of the applicability of classical mechanics. p.121.
Bobrikov, V.P. - Effect of wetting the surfaces of ionic crystals on the selection of one of the equivalent dodecahedral glide systems during linear deformation of specimens. p.126.
Gaibullaev, F. - Modified apparatus for measuring electric conductivity in a rotating magnetic field. p.140.
Mokievskii, L.I., Ivanov, G.A. - Electric properties of ternary bismuth alloys. Part 1. p.141.
Mokievskii, L.I - Electric properties of ternary bismuth alloys. Part 2. p.155.
Firsov, E.I. - Studying the gamma spectra of certain radioisotopes with the aid of a luminescent spectrometer. p.160.
Gorodinskii, G.M., Pokrovskii, V.N., Firsov, E.I. - Neutron-deficient Gd and Eu isotopes with mass numbers 145 and 147. p.176.
Prokof'ev, A.M. - Effect of a weak constant electric field on a scintillation counter. p.180.
Prokof'ev, A.M. - A counter on predominantly positive high-frequency pulses. p.184.
Regel', A.R. - Relation between the melting point and a change in the n-type conductivity of a substance in melting. p.187.
Depman, I.IA. - N.I.Lobachevskii's teachers. p.195.
Gavrilov, L.I. - Curvature of lines in Lobachevskii's geometry. p.212.
Ivanov, G.A. - Use of a variable magnetic field for determining $\frac{e}{m}$. p.215.
Lange, V.N., Regel', A.R. - "Mass spectrometer" - a laboratory manual used in specialist training. p.223.
Regel', A.R. - Simple demonstration of the dependence of the self-inductance of a choke-coil on the series connection of its "sections." p.229.
Red'ko, P.G. - Sinusoidal nature of industrial alternating current. p.231.
Belozerov, A.V. - Device for determining the coefficient of linear expansion. p.236.
Bulmova, A.N. - The theme "Transmission of rotary motion" in a school physics course. p.241.
Rymkevich, A.P. - Some experiments involving the use of an audio oscillator in a secondary school physics class. p.259.
Rymkevich, A.P. - Solution of graphic problems on "uniform motion" in the 6th grade. p.262.
Bykov, V.N. - On the classroom demonstration method of teaching physics in prerevolutionary Russian schools of general education. Part 1. p.269.
Fedorov, A.A. - Conducting practical studies in mathematics in institutes of higher education. p.280.

LENINGRAD, UNIVERSITET. Uchenye zapiski [UNIVERSITY, Studies]. No.320, 1963. Seriia fizicheskikh i geologicheskikh nauk [Series in the Physical and Geological Sciences], no.14. Voprosy geofiziki [Problems in geophysics].

Table of contents translated:

Veshov, A.V., Liubtseva, E.F., Samosiuk, G.P. - Determination of the effective parameters of a medium in the field of a finite grounded cable. p.3.
Sakharnikov, N.A. - Field of a point source with inclined discontinuities having a common line of intersection on the earth's surface. p.64.
Komarov, V.A. - Feature of ε_K anomalies for gradient establishment. p.96.
Auzin, A.K. - Natural electric fields in central Kazakhstan ore deposits p.100
Sveshnikov, G.B., Ryss, IU.S., Auzin, A.K - Natural electric field as a factor in the formation of zones of secondary enrichment in sulfide deposits. p.122
Kudlavtsev, IU.I., Meier, V.A - Interpretation of logging diagrams of magnetic susceptibility. p.134

LENINGRAD UNIVERSITET Vestnik [UNIVERSITY, Review]. Vol 18, no.13, 1963. Seriia matematiki, mekhaniki i astronomii [Series in Mathematics, Mechanics, and Astronomy], no 3.

Table of contents translated

Aleksandrov, A.D - Conditions of uniqueness and estimations of the solution to the Dirichlet problem. p.5
Gavurin, M.K - Approximation of a function with a stochastic argument p.30
Lebedev, N.A - Continuation of complex functions. p.61.
Barantsev, R.G - Asymptotic formulae for the coefficients of momentum and energy exchange on the surface of a body in an ambient flow of rarefied gas p.69
Vallander, S.V., Nagnibeda, E.A. - General formulation of problems involving relaxation processes in gases with internal degrees of freedom p.77.
Poliakhov, N.N. - Theory of a screw-shaped lifting surface. p.92
Minin, I.N. - Diffusion of radiation in a semi-infinite medium with nonisotropic scattering Part 2. p.106.
Berger, E.G., Kel'zon, A.S. - Self-centering and balancing of coaxial rotors p.119.
Verner, A.L. - Surfaces whose plane sections are composed of convex parts. p.121
Golovkin, K.K - Orlicz spaces and the increase of the norm in L_p space p.125.
Sprindzhuk, V.G - Algebraic approximations in the field of a power series p.130.
Chirkov, M.K. - Reliability of single-cycle circuits composed of elements with "symmetrical" errors p.134.
Shmidt, R.A., IAkovlev, A.V - Imbedding condition in the case of a cyclic normal group of order 2^n p.137.
Vereshchagina, L.I. - Base pressure for solids of revolution of supersonic gas flow. p.139
Nikulina, M.M. - Qualitative study of a nonlinear system of two differential equations p.143.
Nikitin, A.A. - Estimation of the intensities of N III emission lines in the spectra of stars. p.146.
Nikitin, A.A. - More precise definition of the spectral pattern of N III used in calculating its recombination spectrum in envelopes of stars and nebulae. Part 10. p.148.
Shalnevskii, O.V. - Testing the fundamental hypotheses in multivariate analysis p.150.

Vol.18, no 14, 1963. Seriia istorii, iazyka i literatury [Series in History, Language, and Literature] no.3

Table of contents translated

Kosachevskaia, E.M. - The peasant movement in Galicia after the Reform of 1848-1849. p.7.
Spikov, V.A. - Participation of the captive soldiers of the Polish "Confederation of Bar" in the Russian Peasant War of 1773-1775. p.19.
Vilinbakhov, V.B. - Some remarks on the legends of Velikiy Novgorod and on contacts among the ancient Slavs. p.31.
Meshcherskii, N.A. - Reconstructing the text of the "Lay of the ruin of the Russian land" p.44.
Safronov, G.I. - Are F.Kafka's ideals close to the ideas of R.Domanović's works? p.54.
Lilich, G.A. - Figurative meaning of some descriptive adjectives in Slavic languages p.64.
Onyshkevich, M.O. - Lexical contacts between the Slovak and Ukrainian languages p.72
Bogoroditskii, B.L - Some Serbo-Croatian elements in the maritime terminology of the Black Sea region. p.79
Mzhel'skaia, O.S. - Lexical contacts of the dialects of the Pskov region with the languages of the western Slavs, the world "skorlupa." p.89.
Kazakevich, R.A. - V.R.Menzhinskii as a student of St.Petersburg University. p.101.
Seleznev, V.A. - Documentary materials on L.Waryński and L.Janowicz, two Polish revolutionists. p.106.
Konstantinov, N.A. - First steps toward the decipherment of illegible signs in the Dnieper Valley, the problem of ancient Russian inscriptions. p.107.
Shustorovich, E.M. - Slavic and Old Russian manuscripts of the A.M.Gor'kii Library of Leningrad University. p.110.
Privalov, V.V. - History of the organization of the Communist Youth League in Czechoslovakia. p.115
IAkubskii, V.K. - The methods of a study on the history of White Russian social theories in the 16th century. p.118.
Dmitriev, P.A. - A study by a Norwegian Slavist p.120.
Rak, O.I. - Two books on the language and style of literary works. p.125
Kovalev, IU.V. - Problems in the study of Soviet literature. p.129.
Grudeva, S.I - Some problems of the Slavic vocabulary and grammar p.133.
Porochkina, I.M - Problems of literary contacts among the Slavic peoples. p.138
Elina, V.N., Rak, O.I - A "laboratory for the study of words" p.141
Stepanov, G.V - B.A Larin, on his 70th birthday. p.147.
Ivanov, N.V - M.K Kaiger, on his 60th birthday. p.155.

Vol 18, no 15, 1963. Seriia biologii [Series in Biology], no 3.

Table of contents translated

Ovcharenko, D.A. - Age-related changes of the helminth fauna of Japanese deer kept in a park in the Far East. p.5.
Pollanskii, IU.I., Kulemina, I.V. - Parasites of young cod in the Barents Sea. p.12.
Valikhanov, M. - Anatomicomorphological structure of the embryo and seedlings of Rhaponticum carthamoides (Willd) Iljin. p.22.
Goryshina, T.K., Smirnova, V.IA., Ti Chan-tszin' [T'i Ch'ang-chin]. - Water balance of herbaceous summer plants in oak forests p.29
Sokolovskaia, A.P - Geographical distribution of polyploid species of plants, study of the flora of Kamchatka. p.38.
Khod'kov, L.E. - Origin and evolution of cultivated barley. p.53
Avilov, I.A - Utilization of different sources of carbon by the algae of the genus Chlorella in darkness. p.62
Gromov, B.V. - Microflora which destroys bricks, plaster, and marble p.69
Pinevich, V.V, Verzilin, N.N. - Cultivation of protococcaceous algae in installations under the open sky. p.75.
Batuev, A.S. - Change in the bioelectric activity of the cortex of a rabbit after the exclusion of visual reception p.98
Glushankov, F.P. - Column microanalysis of some phosphorylated hexoses. p.112
Kolotilova, A.I. - Some aspects of the molecular structure and functions of proteins p.119.
Alekseevich, L.A. - Inheritance of the inhibition reaction in oviposition by chickens p.133.
Voroshilov, N.V. - Manifestation of heterosis in crossbred chickens. p.141.
Alekseev, V.M. - Identity of the species Echinochasmus (Ech.) beleocephalus (Linstow, 1873) and Echinochasmus (Ech.) japonicus Tanabe, 1926. p.150.
Inozemtsev, A.A. - Food relationships of some passerines in the forests of the Moscow region. p.152.
Leonov, V.A., TSimbaliuk, A.K., Bologunov, O.I. - Nematode Paracuaria macdonaldi Rao, 1951, as an independent species and the position of the genus Paracuaria Rao, 1951, in acuarid system (Spirurata, Acuaridae). p.155
Tokin, I.B., Gabaeva, N.S. - Electron microscopic study of the surface sections of the oocytes of Rana temporaria. p.158
Miniaev, N.A., Shmidt, V.M. - Fourth year of the study of flora in Pskov Province. p.161.

MOSCOW. MOSKOVSKII GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [MOSCOW STATE PEDAGOGICAL INSTITUTE. Studies]. No.159, 1960. Voprosy metodiki prepodavaniia geograficheskikh distsiplin v pedagogicheskikh institutakh i srednei shkole [Methods of teaching geographical subjects in pedagogical institutes and secondary schools], no. 6.

Table of contents translated:

Samoilov, I.V. - Some new problems in the training of geography teachers. p.5.
Svistova, G.V. - Comprehensive physico-geographic excursions with seventh-grade students. p.12.
Moulin, S.A. - Practical work on soil science and soil geography. p.17.
IAtsenko, A.A. - Organizing a specialized seminar on the physical geography of the U.S.S.R. in the third and fourth years of the Geographical Faculty of the Moscow State Pedagogical Institute. p.53.
Samoilov, I.V., Lebedev, P.N. - Visual aids of the geographical faculty. p.63.
IAtsenko, A.A. - Physical geography of the U.S.S.R. in a textbook for the seventh grade. p.77.
Vasil'eva, I.V. - Physico-geographic characteristics as a subject of laboratory work. p.84.

No.165, 1962. Voprosy prepodavaniia literatury v starshikh klassakh shkoly [Teaching literature in the senior grades of [secondary] schools.

Table of contents translated

Rozhdestvenskii, B.V. - Basic problems of the historical literary course in schools. p.3.
Kurdiumova, T.F. - Study of Pushkin's works in senior grades and the analysis of landscape descriptions. p.145.
Kurdiumova, T.F. - Portraying of nature in the works of I.S.Turgenev p.171.

No. 188, 1962. Vysshiia algebra i matematicheskii analiz [Higher algebra and mathematical analysis].

Table of contents translated:

Bondi, I. L. - Change of a variable in an A-integral. p. 3.
Glushkin, S.G. - Trace formula and Selberg's zeta function in certain symmetrical spaces p 28
Glukhov, M.M. - Free product of structures with a finite number of generators. p 55
Gubnik, L. A. - Arithmetic of skew-symmetric matrices. p. 71.
Gulnik, L.A. - Möbius' function for one-sided ideals of certain matrix rings p 83.
Diltaman, A.P. - Some criteria of the nonsingularity of groups p. 89.
Kabakov, F.A. - Second derivative determined through the second finite difference. p 105.
Komleva, L.A. - Asymptotic properties of positive methods of summation of Fourier series. p. 115
Nechaev, V.I. - Independent systems of axioms determining integers. p. 125.
Nechaev, V.I., Telesin, IU.Z - Exact value of G(f, a) for sequences of polynominals of the 2nd degree. p. 131
Ochan, IU.S. - Space of functions with discontinuities of the first kind and the extended Stieltjes integral. p. 139.
Privalov, A.A. - Interpolation on sets of zero measure. p. 163.
Raikov, D.A - Some properties of completely bounded linear operators. p 171.
Rubtsov, N.F. - Determinations of infinite nilpotent groups. p. 193.
Smetanich, IA.S. - Example of a homogeneous group with an insolvable word identity problem. p. 199.
Smirnova, G.N. - A parabolic equation degenerate at the boundary of a domain. p. 203.
Historical data on the struggle for mathematical training of progressive officers of the Russian army in the first quarter of the 19th century. p. 209.

TASHKENT. UNIVERSITET. Nauchnye trudy [UNIVERSITY. Studies]. No. 207, 1962. Nauchnye trudy aspirantov [Graduate Student Studies]. Istoriia KPSS, filosofiia, istoriia [History of the CPSU, philosophy, and history].

Table of contents translated:

Kasymov, U - History of Mohammedan Communist organizations in Turkestan in 1919 and 1920. p. 3
Bikkulova, Z - Efforts of the Kara-Kalpak party organization to overcome the surviving traces of patriarchal and feudal relations in everyday life. p. 31.
Novikov, M.P. - Turkestan workers who joined the party in the year of V.I. Lenin's death and their role in the consolidation of the Communist Party of Turkestan. p. 47
Amanov, K - How the agronomists and technicians of Uzbekistan helped to develop the agriculture of the Uzbek S.S.R., 1956-1960. p. 65.
Tureev, A. - Struggle of the Kara-Kalpak party organization for the over-all mechanization of cotton growing, 1956-1960 p 87.
Nikitchenko, V.S. - Objective nature of the dialectical unity of essence and phenomena in the interpretation of materialist dialectics. p. 109.
Ivanova, K.I. - Critical evaluation of the present-day positivist theory of causation. p. 131.
Nikitchenko, V.S. - Cognition as the revealment of the essence of a law p. 151.
Zabotin, P. - Charles Darwin on the origin of consciousness and the evolutional forms of the reflection of living nature. p. 167.
Shalusupova, G. - Folklore as a source of Uzbek dem- [illegible] 179.

[illegible] organs [illegible] No-

[illegible] sive

[illegible]

Alubdzhanova, M. - Two Uzbek women. p. 263.
Dzhalilov, Kh. - Inculcating the principles of communist ethics in school children. p. 275.

TOMSK. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE. Studies]. Vol. 20, no. 2, 1962.

Table of contents translated:

Osokin, V.V. - Styles of emotion expressed in Russian. p. 3.
Sokolova, L.A. - Analysis of the language structure of a literary work. p. 16.
Sokolova, L.A. - Use of various forms and means of forming impersonal-direct speech. p. 28.
IAntsenetskaia, M.N. - Dialectal phraseology. p. 44.
Ol'govich, S.I. - Studies of phonetic changes in foreign loan words of the "chainshchii" dialects in Siberia p. 49.
Osipova, O.A. - Perfect future and its use in modern English p. 62.
Orekhva, R.K - Grammatical meaning of the subjunctive past tense form in modern English p. 68
IAdvirshis, E.K. - Development of the past-tense extended form in Old English. p. 77.
Kuz'mina, A.I. - Adjective in the German dialect of the village of Kamysha in the Altai. p 93.
Gorshtein, A.B. - Means of expressing the future in conditional clauses of German. p. 102.
Abdrakhmanov, M.A. - Structure and development of some word groups in the Tomsk-Turkic dialects. p 112.
Kalinina, L.I - Khanty toponyms of Vasyugan. p 127.
Dul'zon, A.P. - Ket tales and other texts. p 144.
Koshelev, IA.R. - History of folklore study in Siberia during the second half of the 19th century p. 161

b. POPULAR MAGAZINES

AMERIKA; illiustrirovannyi zhurnal [AMERICA ILLUSTRATED] Published by the United States Information Agency. Washington, D.C., no. 95, 1963.

AZIIA I AFRIKA SEGODNIA [ASIA AND AFRICA TODAY]. Issued by Institut narodov Azii and Institut Afriki Akademii nauk SSSR [Institute of the Peoples of Asia and the Institute of Africa of the Academy of Sciences of the U.S.S.R.]. Moscow, no 6, Aug. 1963.

Table of contents translated:

Ideas of freedom and oppression are irreconcilable. p. 2.
Gavrilov, N. - The decisive factor for independence. p. 4.
Zharov, V. - Toward genuine independence. p. 7.
Kravchenkov, I. - Report from Bhilai [with English translation in insert]. p. 9.
Vladin, A. - India Trade conflict with the West. p. 12.
Sidenko, V. - Portugal Guinea in flames. p. 15.
Glushchenko, E. - The end of a hateful "federation." p. 18.
Miiskii, Z. - Washington's South-Vietnamese knot. p. 22.
Potapovskii, B. - Farewell citadel of revanchism! p. 26.
Fil'shtinskii, S. - Centers of aggression. p. 28.
Criminal strategy. p. 30.
Thailand, a SEATO base. p. 34.
Lopatov, V. - Security? No, a threat! p. 35
Yankee, go home! p. 36.
Orlov, A. - The Philippines and the strategy of the U.S.A p. 38.
Rahantavololona Razafindrakotohasina Andriamanjato. - The voice of Malagasy women. p. 40.
Kaanasia Mtenga. - "Uhuru na amani!" (Independence and peace). p. 40.
Alla Parvania. - Equality is the call of our time. p. 41.
Fama N'Dao. - Senegal needs peace. p. 41.
Djibo Fati. - The role of women today. p. 41.
Bystroletov, D. - In the tracks of a journey; sixth sketch. p. 42.
Bruckner, Karl. - Sadako wants to live! p. 45.
Mitrofanov, N. - Rongowarsito, a classic of Gavanese literature. p. 46.
Voices of three thousand islands; verse. p. 47.
Khwaja Ahmad Abbas. - Flowers for Chandra; a story. p. 48.
Afrian dances. p. 54.
Matiushin, A. - "Fire walkers." p. 56.
Beniukh, Oles. - The snake and the fakir. p. 57.
Projects which do not seem Utopian. p. 58.
Klochkov, N. - "We were moved by Soviet hospitality." p. 59.
Krainov, P. - Samurai regiments again. p. 59.
Georgiev, A. - Murder every two hours. p. 60.
Mikhailov, N. - Indonesia's oil should belong to the people. p. 61.
Gerasimov, O. - The imamate and its lethal weapon. p. 62.
Aleksandrov, M. - What is Mr. Bailey concerned about? p. 63.
Kiamilev, Kh. - Panorama of truth. p. 63.

BELARUS' [WHITE RUSSIA]. Minsk, vol. 20, no. 5(266), May 1963.

Table of contents translated:

Karpachou, Ed. - Good luck! p. 2.
Zhurko, L. - The songs of spring. p. 4.
Pushcha, IAzep - Sowing; verse. p. 4.
Sadouski, IA. - An order on the banner of a collective farm. p. 6.
Dosin, M. - "Beacon lights" call us to new achievements. p. 6.
Kastsiushka, L. - Marvelous rays. p. 8.
Lupsiakou, Mikola - Night light; a story. p. 9.
Hilovich, Nil - They threw a bomb at a writer's house; verse. p. 13.
Tarmola, Raman - My heart, Now I write more poems about the skies, Heather, Night, verse. p. 13.
Los', Eduakila - I shall remember everything, verse. p. 13.
TSalkovikava, Liudmila - A "meat factory." p. 14.
Antonau, I. - Rice in the Belovezhskaya Pushcha. p. 15.
Chernia, Khvedar - As the sound of a string, A faraway island, verse. p. 16.
Kohan, D. - Bard of White Russian natural scenery. p. 16.
Doktarau, Z. - Works that our people love. p. 17.
Zaharodni, H. - Youth of the White Russian Opera House. p. 18.
Kulakouski, Al. - Soft rain; a story. p. 19.
Shushkevich, Stanislau - Author of the White Russian Robinsonades, on IAnka Maur's 80th birthday. p. 20.
Siamionau, M. - Future printers p. 22.
TSiuksha, V. - In a small branch of the Academy of Sciences. p 23.
Mitskevich, B - Soldier of the peace movement p. 24
Fedzina, Z. - Richard Wagner. p. 24.
Vasil'ou, M. - Speaking about our starts and finishes. p. 25.
Tkachou, Pavel - A guard, a story. p. 26.
Advice on family affairs and in home economics. p. 27.
Zhychka, Khv. - "Immortality." p. 28.
Salavei, L. - Under the glorious banners of White Russian guerrillas. p. 28.
Kryshtal', V. - Goldmines of poetry. p. 28.
Shaunia, An. - Eternal fire. p. 29.
Kamaruski, IA. - The first White Russian grammar. p. 29.
Bobau, S. - Outer space, God, and man. p. 30.
Kireenka, Kastus' - Sweet nightingale, a story. p. 30.
New developments in the fields of science and technology. p. 31.
Harpenik, Ihnat. - Latvian beet, a parody in verse. p. 31.

BELARUSKAIA MOLADZ' BYELORUSSIAN YOUTH. Issued by Zgurtavan'ne belaruskae moladzi u Ameryitsy [White Russian Youth Association of America]. New York, vol. 5, no. 17, Jan.-Mar. 1963.

BIAROZKA [THE LITTLE BIRCH]. Issued by TSentral'ny kamitet Leninskaha komunistychnaha saiuza moladzi Belarusi and Respublikanski Savet pilanerskai arganizatsyi imia V.I. Lenina [Central Committee of the White Russian Communist Youth League of Lenin and the Republic Council of Lenin Pioneers]. Minsk, no. 8, Aug. 1963.

DADZIS [THISTLE]. Riga, nos. 17(161), 19(163)-20(164), 1963. [In Latvian]

EVENING BELLS VECHERNII ZVON Chicago, no. 13/14, Mar.-Apr. 1963.

JAUNIMO GRETOS [THE RANKS OF YOUTH]. Issued by Lietuvos Lenino komjaunimo sajungos Centro komitetas [Central Committee of the Lenin Communist Youth League of Lithuania]. Vilnius, nos. 9(226)-10(227), Sep.-Oct. 1963. [In Lithuanian]

KROKODIL [CROCODILE]. Issued by gazeta [Newspaper] "Pravda." Moscow, vol. 42, no. 27(1713), Sep. 1963.

KUL'TURA I ZHIZN' [CULTURE AND LIFE]. Issued by Soiuz sovetskikh obshchestv druzhby i kul'turnoi sviazi s zarubezhnymi stranami [Union of Soviet Societies for Friendship and Cultural Relations with Foreign Countries]. Moscow, vol. 7, no. 5, 1963.

Table of contents translated:

Kobzev, Igor'. - Festival of peace and the joys of work. p. 2.
Psurtsev, N. - Mail, telegraph, telephone, radio.... p. 4.
On the occasion of the World Congress of Women in Moscow. p 8.
Leonov, Leonid. - Alarm on a reservation. p. 9.
Tofalaria, p. 12.
Radunskaia, Irina. - Why is the sky blue? p. 16.
Zhukov, Nikolai, Kasheeva, Valentina, Kiselev, German. - Good luck to you, friends! p. 18.
Von Bunsdorf, Eran. - Trust, equality and cooperation. p. 23.
Shkerin, Mikhail. - A word on socialist realism. p. 24.
Rosgalov, A. - Meet sculptor Diuzhev. p. 26.
U.S.S.R and Cuba. p. 27.
L'vov-Anokhin, B. - Living music of the theater. p. 28.
Strokov, S. - Grain and machinery. p. 32.
Golosov, Igor'. - Eloquent notes. p. 32.
Ostrovskii, IAn. - School of adroitness, strength and gaiety. p. 34.
Dugovoi, Mikhail. - "Great voice." p. 36.
Levik, B. - Music of Richard Wagner and Russian musicians. p. 40.
Kurashov, Aleksandr. - Struggle for records is flaring up. p. 43.
Minaev, Evgenii. - Little masterpieces. p. 46.
We invite you to a tournament! p. 48.

KULTUUR JA ELU [CULTURE AND LIFE] Issued by Eesti NSV Kultuuriministeerium and Eesti NSV Ametiühingute Nõukogu [Ministry of Culture of the Estonian S S R. and the Council of Trade Unions of the Estonian S S R.]. Tallinn, vol. 6, nos 9-10, Sep - Oct 1963 [In Estonian]

MEDENIET ZHĚNI TŮRMYS [CULTURE AND LIFE]. Issued by Ministerstvo kul'tury Kazakhskoi SSR [Ministry of Culture of the Kazakh S. S. R.]. Alma-Ata, nos 8-9, Aug. -Sep. 1963. [In Kazakh]

MURZILKA. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V I Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the V. I. Lenin All-Union Pioneer Organization]. Moscow, nos. 9-10, Sep - Oct 1963

MUSHTUM [PUNCH]. Tashkent, vol. 41, nos 13(655), 15(657)-17(659), July-Sep. 1963. [In Uzbek]

NARODNAIA RUMYNIIA [PEOPLE'S RUMANIA] Bucharest, no. 8, Aug. 1963

NOORUS [YOUTH] Issued by Eestimaa Leniniku Kommunistliku Noorsooühingu Keskkomitee [Central Committee of the Lenin Communist Youth League of Estonia]. Tallinn, vol. 18, no. 9(203), Sep. 1963. [In Estonian]

OGONEK [THE LITTLE LIGHT]. Moscow, vol. 41, no. 26(1879), June 1963.

Table of contents translated:

Shundik, Nikolai - Bright ideas and exalted feelings p. 2.
Golikov, Alekseĭ. - I am "Seagull." p. 6.
Denisov, A., Kuprin, O. - Altitude. p. 9.
Denisov, Nikolai. - Space week. p. 12.
Sudakov, Pavel. - Great Polish painter. p. 16.
Zaleeskii, V. - Information or propaganda? p. 17.
Pavlova, L. - Relics of Pushkin's era p. 19.
Stepanov, Vladislav. - Heroism in the Ardennes. p. 20.
Brandao, Otavio, Ignat'ev, Oleg. - Black admiral lives! p. 20.
Krivonosov, IU. - Courageous dynasty. p. 24.
Golikov, A., Kas'ian, I. - Before going into orbit. p. 26.
Aldridge, James. - Masked capitalism. p. 28.
Kafanova, I. - Comments by the delegates to the World Congress of Women. p. 29.
Sherigova, Galina. - Your way to the stars. p. 30.
Dad'iants, G. - Parisian women about Russian Valia. p. 30.

Vol. 41, no. 28(1881), July 1963.

Table of contents translated:

Linde, Gunther. - Berlin says: "Willkommen!" p. 1.
Uzilan, A. - *People are in the steppe*, p. 4.
With the people and with the party! p. 6.
Ivanov, A. - Fritz Platten. p. 12.
Beletskaia, Vanda. - The sun shines for all. p. 14.
Baldano, Namzhil. - Our Buryat parliament. p. 16.
Krupin, V. - Coeval of the republic. p. 16.
Iroshnikova, I. - Checked by a cruel measure.... p. 18.
Wurmser, André. - It is falling.... p. 25.
Third Moscow Motion-Picture Festival. p. 26.
Vershinina, I. - Life in music. p. 28.
Priester, Eva. - Time will come! p. 28.
Vladimirov, V. - Secrets of grandfather Durov. pp. 32-3 of cover.

Vol. 41, no. 29(1882), July 1963.

Table of contents translated:

Fruitful cooperation. p. 2.
Golikov, A., Makarov, G. - Winged acrobats. p. 5.
Pertsov, V. - In the name of the future. p. 8.
Deineka, Aleksandr. - At the top of his voice. p. 8.
Zubkov, IU. - Actor and his time. p. 9.
Vladimirov, V. - Trial of the fifty. p. 12.
Grigor'ev, A., Khazanovich, IU. - Flagman and his crew. p. 16.
Dad'iants, G. - Second youth of Nanterre. p. 23.
"Trifles? No!" p. 26.
Pegov, A. - Friendly Ghana. p. 26.
Films of the five continents. p. 28.
Romashov, A. - Dissipaters. p. 30.
Serbin, A. - Stark racist. p. 30.

Vol. 41, no. 30(1883), July 1963.

Table of contents translated:

Khiren, Z. - Kilometer of war. p. 4.
Neruda, Pablo. - Execution of a peon. p. 6.
Vereiskii, O. - "Niksy" painter. p. 8.
Five instead of thirteen. p. 9.
Alleg, Henri. - Victorious Cuba. p. 10.
Beletskaia, Vanda, Krupin, V. - Needle found in a haystack. p. 10.
Kaverin, IU. - Planet "virgin soil" attracts them. p. 20.
Rubinskii, IU. - Algeria a year later. p. 22.
Vasil'ev, E. - Athletes move mountains. p. 26.
Vershinina, I. - Kaleidoscope of the festival. p. 28.
Sosnovskii, I. - Dangerous passengers p. 30.

Vol. 41, no. 31(1884), July 1963.

Table of contents translated

Orbit of the 20th century p. 2.
Viktorov, V. - First prize is friendship. pp. 6-7, 26-27.
Osipova, L., Genina, N. - Till we meet again! p. 8.
Kruzhkov, N. - Around Moscow. p. 8.
Rudin, V. - Shoulders of millions. p. 9.
Serov, V.A. - To the glory of men. p. 16.
Prikordonnyi, Riabenko, I. - Secret of a Konotop painter of ikons. p. 17.
Azarov, Vsevolod. - In the footsteps of their fathers. p. 18.
Golubev, A., Borodulin, L. - "Silent expansion." p. 20.
Voronov, V. - Enthusiasm.... p. 24.
Fleissig, Josef. - Short trip to Karlovy Vary. p. 25.
Tolchenova, N. - With Brecht or against Brecht. p 28.
Golikov, A., Gostev, A. - Meeting their home town people. p. 30.
Polevoi, B. - Direct hits. p. 32.

PERETS' [PEPPER]. Issued by Vydavnytstvo [Publishing House] "Radians'ka Ukraina." Kiev, vol. 23, nos. 17(508)-18(509), Sep. 1963.

PILT JA SONA [PICTURE AND WORD]. Tallinn, vol. 18, no. 9(207), Sep. 1963. [In Estonian]

PIONER [PIONEER] Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol. 40, no. 10, Oct. 1963.

PIONERIIA [PIONEERS]. Issued by TSentral'nyi komitet Leninskoho komunistychnoho soiuzu molodi Ukrainy and Respublikans'ka Rada Vsesoiuznoi pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the Ukrainian Communist Youth League of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, vol. 40, no. 10(179), Oct. 1963.

POL'SHA [POLAND]. Warsaw, no. 7(107), 1963.

SAMOSTIINA UKRAINA. INDEPENDENT UKRAINE. Published by TSentral'na uprava Organizatsii derzhavnoho vidrodzhennia Ukrainy [Central Administration of the Organization for the Rebirth of Ukraine]. Chicago, vol. 15, no. 9(163), Sep. 1962; vol. 16, no. 6(172), June 1963.

SEL'SKAIA MOLODEZH' [RURAL YOUTH]. Issued by TsK VLKSM [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 30, no. 9, Sep. 1963.

SHMEL' [BUMBLEBEE]. Alma-Ata, vol. 8, no. 8(91), Aug. 1963.

SLUOTA [THE BROOM]. Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, nos. 17(216)-19(218), Sep. -Oct. 1963. [In Lithuanian]

SOTSIALISTYCHNA KUL'TURA [SOCIALIST CULTURE]. Organ of Ministerstvo kul'tury URSR [Ministry of Culture of the Ukrainian S. S. R.]. Kiev, no. 9, Sep. 1963.

SVOBODNOE SLOVO; ezhemesiachnyi karpato-russkii zhurnal [FREE WORD; Carpatho-Russian Monthly]. Newark, vol. 4, no. 7/12(43-48), 1962.

SVYTURYS [THE LIGHTHOUSE]. Vilnius, vol. 15, nos. 17(353)-18(354), Sep. 1963. [In Lithuanian]

UKRAINA [THE UKRAINE]. Published by Vydavnytstvo "Radians'ka Ukraina" [Publishing House "Soviet Ukraine"]. Kiev, no. 14(341), July 1963.

Table of contents translated:

TSyn'kova'kyi, Ivan. - The harvest season has begun. p. 1.
Brodovs'kyi, B. - Vl. Maikovskii, 1893-1963. p. 2.
Kol'iak, T. - At Il'ich's behest. p. 3.
Nosenko, Ol. - Blood-red glow over Kurdistan. p. 4.
Spyrydonova, Alla. - Performances and actors. p. 4.
"The night of Ivan Kupala." p. 4.
Fomin, O. - Reeds save our forests. p. 6.
Karakash, P. - "Seeds of pure gold." p. 7.
Barzylovych, P., Serbynova's'kyi, O., Shkurdoda, V. - A conference of our readers in Sumy. p. 7.
Ufimtsev, Borys. - A guideless trip through France. p. 8.
At the break of dawn. p. 9.
Omel'chenko, Mykola - The perch, a story.
Horoshko, V. - Patrolmen of the "Kremenchuk Sea." p. 10.
Kravchenko, IEvhen - Ideal husband, a humorous story. p. 11
A notebook of useful advice. p. 12.
Repertoire of amateur theatres. p. 12.
Everybody is a swimmer in the summertime tos by B. Gradov. p. 13.
Sychevs'kyi, Vasyl'. - Escape from paradise of adventures (continuation). p. 14.
Anti religious kaleidoscope. p. 16.

No. 15(342), July 1963.

Table of contents translated:

Kyianychenko, O. - Works of art devoted to party. p. 2.
Luk'ianenko, Oleksandr. - One hundred thousowners. p. 2.
Chumak, Roman. - We disseminate our book our people. p. 3.
Harvesting is a merry season of busy work.
Rozum, Iryna. - On a visit to Ostap Vyshnia.
Vyshnia, Ostap. - Meeting; a novella. p. 5.
Sky-blue lines over seas and oceans. p. 6.
Khrypko, K. - Musics of the revolution. p.
Splendor of the beauties of nature p. 8.
Kolesnychenko, IU. - Sad story of Bogdan Khtskii's monument. p. 8.
Medvediev, Tykhin. - Fidelity. p. 9.
Korets'kyi, Fedir. - Secrets of nature. p. 1
Sychevs'kyi, Vasyl'. - Escape from paradise of adventures (continuation). p. 11.
Family affairs. p. 13.
Our "museum of evil spirits." p. 14.
Pushkar'ov, Kim. - A master of the pentati p. 15.
I. D. - Distinguished ancestry of our "quee

No. 19(346), Aug. 1963

Table of contents translated.

Vlad, J - Lisandru Jolloiu's troubles, a stor Translated from the Rumanian. p 2
Leshchenko, P. D. - Diabetes and the dietetic ment of this disease p. 3.
Nazaratii, I - "If you are in love " p. 4.
Pepa, Vadym - A busy August. p 5.
Khandros, Borys. - Man against the tanks.
Makivchuk, Fedii - Before a fresh grave.
Ratnykov, Volodymyr. - What do you think al problem, comrades agronomists? p. 8.
Volynets', B - Two floors of happiness. p.
V.K - The inhabitants of "Green hell " p. 9
Pertsov, V. - Our bard continues his strugg
Sychevs'kyi, Vasyl'. - Escape from paradis of adventures (continuation). p 11
IAtchenko, IUlii. - Coke and roses p 13.
Iluroiv, Oleksa. - Tale about a brave rabbit
Tereshchenko, O. - Our mother is 37 years p. 15
Novak, Borys. - Dissertation, a story. p 1

No. 20(347), Aug. 1963.

Table of contents translated.

Khablo, Oleksandr. - Eternal light. p. 1.
Lysenko, Vasyl'. - Light in a clay pit; a sto
Halushko, Mykhailo. - First performance i air. p. 3.
Karasiichuk, IE. - A loaf of "chemical" bre
Horbenko, O. - Workingmen are the heroes painters' works. p. 8.
Our "museum of evil spirits." p. 9.
Muravenko, Vasil'. - Born for heroic deed
Wundack, Carla. - Our meetings with Nina p. 12.
Shkabol, Oleksandr. - They don't need my humorous story. p. 14.

URAL'SKII SLEDOPYT [URAL PATHFINDER] by Sverdlovskoe otdelenie Soiuza pisatelei Sverdlovskii obkom VLKSM [Sverdlovsk Br the Association of Writers and the Sverdlov Province Committee of the All-Union Comm Youth League of Lenin]. Sverdlovsk, no. 9 1963.

UZBEKISTON [UZBEKISTAN]. Tashkent, vo no. 8(260), Aug. 1963.

Table of contents translated:

Anniversary of our beloved party. p. 3.
Malliants, A. - The harvest will be abund
Zokirov, M. - Development of major chen trial complexes. p. 6.
Vyshedskii, M. - A hundred and twenty-fi around the planet. p. 8.
Akhmedova, N. - Students drive tractors.
Kalgorodtsev, S. - Above the clouds. p. 1
Aleksandrov, R. - In the Palace of Cultur
Shtromberg, M. - New books. p. 11.
Arnautov, M. - Working family. p. 13.
Sokolovskaia, V. - People are checking.
Raikova, V. - *Teacher of masters.* p. 19
Anatol'ev, B. - They perform in Moscow.
Nikolaev, A. - The train arrived in Nama
Litviakova, N. - Lesia Ukrainka. p. 23.

VOZHATYI [PIONEER GUIDE]. Published by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol 39, no. 10, Oct. 1963.

VSESVIT, THE WORLD. Issued by Spilka pys'mennykiv Ukrainy and Ukrains'ke tovarystvo druzhby i kul'turnoho zv'iazku z zarubizhnymy krainamy [Association of Writers of the Ukraine and the Ukrainian Society for Friendship and Cultural Relations with Foreign Countries]. Kiev, vol 6, no 9(63), Sep. 1963.

ZVAIGZNE [THE STAR] Riga, vol 11, nos 18(316)-19(317), Sep.-Oct. 1963 [In Latvian]

2. BIBLIOGRAPHY

a BIBLIOGRAPHY

BIBLOS, ZHURNAL UKRAINS'KOI BIBLIOGRAFII [JOURNAL OF UKRAINIAN BIBLIOGRAPHY]. New York, vol. 9, no. 9(100), Sep. 1963.

INFORMATSIONNYI UKAZATEL' BIBLIOGRAFICHESKIKH SPISKOV I KARTOTEK, SOSTAVLENNYKH BIBLIOTEKAMI SOVETSKOGO SOIUZA [INFORMATION INDEX OF BIBLIOGRAPHICAL LISTS AND CARD FILES, COMPILED BY THE LIBRARIES OF THE SOVIET UNION]. Issued by Gosudarstvennaia biblioteka SSSR [State Library of the U S, S. R.]. Moscow, vol. 7, no 13, July 1963

JAUNAS GRAMATAS [NEW BOOKS] Riga, nos. 7(61)-9(63), July-Sep. 1963. [In Latvian]

KNIZHNAIA LETOPIS' [BOOK CHRONICLE]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos. 36-37, 1963.

——— Dopolnitel'nyi vypusk [Supplementary Issue], no. 8, 1963. Vspomogatel'nye ukazateli k nos. 4-6 za 1963g. [Indexes to nos. 4-6 for 1963]

LETOPIS' GAZETNYKH STATEI [CHRONICLE OF NEWSPAPER ARTICLES] Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no. 8, 1963.

LETOPIS' ZHURNAL'NYKH STATEI [CHRONICLE OF PERIODICAL ARTICLES]. Published by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos. 35-37, 1963.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 1. Fiziko-matematicheskie, khimicheskie i geologo-geograficheskie nauki; tekhnika i tekhnicheskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1. Physical, Mathematical, Chemical, Geological, and Geographical Sciences; Technology and Technological Sciences] Vol. 8, nos. 24, 27, Aug.-Sep. 1963.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 2: Biologicheskie, meditsinskie i sel'skokhoziaistvennye nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library, Series 2: Biological, Medical, and Agricultural Sciences]. Vol. 6, nos. 24, 26-27, Aug.-Sep. 1963.

SCOW. PUBLICHNAIA BIBLIOTEKA. Otdel rukopisei. Zapiski [PUBLIC LIBRARY. Manuscript Division. Records]. No. 25, 1962.

Table of contents translated:

Zhitomirskaia, S. V., Gapochko, L. V., Shlikhter, B. A. - The Bonch-Bruevich archives. p. 7.

Konshina, E. N. - The literary legacy of V. IA. Briusov and his archives. p. 60.

Likhomirov, N. B. - Catalog of 11th and 12th century Russian and Slavic parchment manuscripts preserved in the Manuscripts division of the Moscow Public Library. p. 143.

Popova, O. S. - Novgorod manuscript of the year 1270. p. 184.

Sudravtsev, I. M. - Collection dating from the last quarter of the 15th and the beginning of the 16th century from the Museum's holdings. p. 220.

Sobrin, V. B. - Two charters given to Chudov Monastery (16th century). p. 289.

Malkova, K. A. - Source work for the history of German free thought at the beginning of the 18th century. p. 322.

Samatova, E. P. - Customs document of 1596 for a rural market. p. 344.

Oshanina, E. N - Documents on the peasant war under the leadership of Stepan Razin in the Volga Valley p 357.

Tiganova, L. V - Acathistus to a pettifogger, an unknown seventeenth-century satire. p. 370.

Panina, A. L. - An unfinished tale by N. S. Leskov p. 389.

Butma, K. I - History of the acquisition and the initial study of the Archangel Gospel, correspondence of I. I Sreznevskii, A. E Viktorov, and A. F Bychkov p. 406

Fedorova, V. M. - V. G. Korolenko's first letter to A. P Chekhov, March 14, 1902. p 420

From the N. A Rubakin archive. p 423

Dovgallo, G. I - Reference materials of the Manuscripts Division p. 464.

Safronova, F. G - The collections and the work of the Manuscripts Division of the Moscow Public Library; a bibliography, 1836-1962. p. 487.

NAUJOS KNYGOS [NEW BOOKS]. Vilnius, no. 3, June-July 1963 [In Lithuanian]

NOVAIA LITERATURA O NAUKE I NAUCHNO-ISSLEDOVATEL'SKOI RABOTE ZA RUBEZHOM [NEW LITLRATURE ON SCIENCE AND RESEARCH ABROAD]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S S R] Moscow, no. 6, 1963

NOVAIA LITERATURA PO BOLGARII [NEW LITERATURE ON BULGARIA]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S S. R.]. Moscow, no. 7, 1963.

NOVAIA LITERATURA PO GERMANSKOI DEMOKRATICHESKOI RESPUBLIKE [NEW LITERATURE ON THE GERMAN DEMOCRATIC REPUBLIC]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R]. Moscow, no. 6, 1963.

NOVAIA LITERATURA PO IUGOSLAVII [NEW LITERATURE ON YUGOSLAVIA]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 6, 1963.

NOVAIA LITERATURA PO POL'SHE [NEW LITERATURE ON POLAND]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 5-6, 1963.

NOVAIA LITERATURA PO RUMYNII [NEW LITERATURE ON RUMANIA]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 7, 1963.

NOVAIA LITERATURA PO VENGRII [NEW LITERATURE ON HUNGARY] Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 6-7, 1963.

NOVAIA SOVETSKAIA LITERATURA O NAUKE I NAUCHNO-ISSLEDOVATEL'SKOI RABOTE V SSSR [NEW SOVIET LITERATURE ON SCIENCE AND GENERAL RESEARCH IN THE U. S. S. R.]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 7, 1963.

NOVYE KNIGI; bibliograficheskii ezhenedel'nik [NEW BOOKS, Bibliographical Weekly]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, vol. 8, nos. 39-40, Sep. 1963.

NOVYE KNIGI SSSR [NEW BOOKS OF THE U. S. S. R.]. Issued by Vsesoiuznoe ob"edinenie "Mezhdunarodnaia kniga" [All-Union Association "International Book"]. Moscow, nos. 38-39, 41, Sep.-Oct. 1963.

SOVETSKAIA BIBLIOGRAFIIA [SOVIET BIBLIOGRAPHY]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no. 4(80), 1963.

Table of contents translated:

Decisions of the June Plenum of the Central Committee of the CPSU and tasks of bibliographies of recommended literature. p. 3.

Neiman, V. V., Belaventseva, G. N., Bogatova, G. P. - Libraries' tasks in promoting atheistic literature. p. 11.

Buchenkov, A. N., Mastova, A. N. - Zone unification of libraries in the Far East. p. 21.

Nikiforova, F. N. - The lecture as a form for promoting library and bibliographical knowledge in small libraries. p. 27.

Bron', T. I. - N. N. Bakhtin's card catalog of translations from foreign literature. p. 35.

Sycheva, L. IU., Shlikter, K. B - What practice tells us p 41

Smirnova, B. A - Some problems in the method of compiling the book list "Chto chitat' dal'she" p. 46

Litvlak, M. M - Bibliography of the history of the Communist Party of Tajikistan p 56

V. V. - Useful manual p 59.

A. B. - First major work on the bibliography of Eastern Siberia. p 62

Butan, V. A - Important contribution to the bibliography of White Russian belles lettres p 68

Shpolianskaia, A. I. - "Ekspress-informatsiia" of the All-Union Institute of Scientific and Technical Information. p 72

Alekseeva, M. N. - Russian "Dickensiana." p 81.

Turovskaia, A. A. - Kursk Province in memoirs and belles lettres p 84

Konskii, V. N. - Bibliographies of recommended literature on geographical discoveries p 86

Liutova, K. V. - New bibliography of publications of scientific congresses p 91

Tepel', A. M - Valuable bibliography on Lope de Vega p 94.

Teplov, D. IU., Petrovskii, V. B., Skarobinskaia, N. G. - Concerning a review of D. IU Teplov's book "Technological bibliography in the U. S. S. R." p. 98

S. K. - Theoretical Conference on Basic Problems of the Subject Catalog. p. 106

Nagel'-Arbatskii, K. S. - Second Methodological Conference on Bibliographies of Bibliographies. p 111

Vaisadze, I. E. - Conference of Moscow Libraries on the Coordination of their Activities in the Field of Reference and Bibliographical Work and in Science Bibliography. p 114.

Kuzina, O. I. - Meeting of the area soviet for libraries of the Northern Caucasus p 118

Kuznetsova, A. F - Soviet of the All-Union Book Chamber. p. 119.

Skiplina, T. I - Discussion on the periodical publication "Library Science and Bibliography Abroad" p. 121.

Parnes, T. L - "Lomonosov Conference" of 1963 p 124

Lev Mikhailovich Dobrovol'skii p. 127

Brief news. p. 128.

Paška, Juraj - Matica Slovenska is one hundred years old p. 131.

Kitik, O. K. - The development of library work in Cuba and the National Library. p. 139

Oshanina, E. A., Busse, N. V. - G. M. Dobrov's anniversary. p. 148

Novikova, E. A. - Descriptive cataloging in the People's Republic of Bulgaria p. 149

Brief news. p. 156.

SVODNYI BIULLETEN' NOVYKH INOSTRANNYKH KNIG, POSTUPIVSHIKH V BIBLIOTEKI SSSR. Seriia A. Estestvennye nauki, meditsina, sel'skoe khoziaistvo, tekhnika [UNION LIST OF NEW FOREIGN BOOKS RECEIVED BY THE LIBRARIES OF THE U. S. S. R. Series A: Natural Sciences, Medicine, Agriculture, Technology] Moscow, no 2(72), 1963

V MIRE KNIG [IN THE WORLD OF BOOKS]. Organ of Ministerstva kul'tury SSSR i RSFSR [Ministries of Culture of the U. S. S. R. and the R. S. F. S. R.] Moscow, vol. 3, no. 8, Aug. 1963.

Table of contents translated

Sinitsyn, V - Our weapons p. 1

Zubchenko, N - Duty, honor, and conscience. p 2

Kalinina, S - The wave of national renaissance p 4

In honor of the Russian book. p 6

Razorenova, M - "Russian books on my bookshelf," p 8

The dream, the design, and bread p 9

Glukhov, A - The power of chemistry p. 10

Pisarzhevskii, O - Admiral of ship science p 12

Prokopenko, V - Yesterday but a dream p 14

Tarnovskii, V. - From distant ages. p 16

Levi, V - Reading and health p 16

Lebedev, A. - Soviet means excellent. p. 19.

Putilev, S - Safety in industry p 20.

Leonov, S - From rural electrifiers p 22

Permitin, E - Sprouts of talent p 25

Isaev, E - Voices of a poetic spring. p 27

Gorbunov, G., Frolov, A - Gifts of the Ivanovo earth p 28

Karim, Mustai. - Baring the heart p 30

Petrov, IU - Living truth and the conscience of the times p. 30

Zlotnikova, I. - Impassioned propagandist of Russian literature p. 34

Lysyi, IU - "Fathers and Sons" p. 35

Mil'kov, V. - A generation of the inquisitive p 36

Sofronov, A. - "The word is the captain of human power." p. 38

New work on the Decembrists p. 40.

Kovaleva, L. - Reader's taste. p 41

Korobov, L. - In the woods near Rovno p. 43.

Pridvorov, S - Abiding love for books p. 45.

Sidorov, A. - "Meridiana." p 46

Virginskii, V - Forefathers of Slavic literature p 47.

b. LIBRARIES & LIBRARY SCIENCE

BIBLIOTEKOVEDENIE I BIBLIOGRAFIIA ZA RUBEZHOM [LIBRARY SCIENCE AND BIBLIOGRAPHY ABROAD] Issued by Gosudarstvennaia biblioteka SSSR imeni V.I Lenina [Lenin State Library of the U.S.S.R.] Moscow, no.11, 1963.

Table of contents translated:

Medvedeva, N.B. - Library service for children abroad. p.6.
Nabatova, M.B. - How they work with children in Czechoslovak libraries. p.20.
IAshkina, E.S. - Library service for children in the German Democratic Republic. p.34.
Baldina, I.V. - School libraries in Great Britain. p.43.
Os'kina, V.M. - Library service for school children in the United States. p.53
Bagrova, I.IU., Vladimirov, L.I., Gavrilov, N.T. - Libraries in the U.S.A. p.69
In libraries of Western Europe p 100.
Gudovshchikova, I.V. - Introduction. p.109.
Artisevich, V.A. - Libraries in institutions of higher learning. p.115.
Gudovshchikova, I.V. - Special libraries. p.127.
Vladescu-Racoasa - Contribution of the Academy of the Rumanian People's Republic to the development of Rumanian science and culture. p.141.
Zhivova, Z.S., Chernavskaia, I.S. - Bibliographical manuals for children in Czechoslovakia. p.149
Medvedeva, N.B., Nikolaenko, K.A. - Some problems of library service for children in Hungary. p.156
Khortunova, L.V. - Valuable manual of library work with children p 164.
Ambartsumian, V.A. - The school library, its problems and functions. p.170.
Ambartsumian, V.A. - Public library and its mission. p.178.

c. PRINTING & THE BOOK TRADE

RASPROSTRANENIE PECHATI [DISTRIBUTION OF PUBLICATIONS]. Issued by Glavnoe upravlenie Soiuzpechati Ministerstva sviazi SSSR [Main Administration for the Distribution of Printed Matter of the Ministry of Communications of the U.S.S.R.]. Moscow, no.9, Sep. 1963.

3. PHILOSOPHY & RELIGION

a. PHILOSOPHY

NOVAIA INOSTRANNAIA LITERATURA PO FILOSOFII [NEW FOREIGN LITERATURE ON PHILOSOPHY]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 6-7, 1963.

NOVAIA SOVETSKAIA LITERATURA PO FILOSOFII [NEW SOVIET LITERATURE ON PHILOSOPHY]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no.7, 1963.

b. RELIGION

NAUKA I RELIGIIA [SCIENCE AND RELIGION]. Issued by Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii [All-Union Society for the Dissemination of Political and Scientific Knowledge]. Moscow, vol.4, no.7, July 1963.

Table of contents translated:

An important sector of ideological work. p.3.
Heroes of the universe are heroes of the world. p.4.
Shamaro, A. - Along the Zhitomir road. p.9.
In this historic year.... p.18.
Lukacs, J. - Creative approach and concreteness. p.22.
Gladkov, K. - The ocean will become a granary of mankind. p.25
Filanovskii, G., Kolesnichenko, IU. - "Royal powder." p.32.
Pluksh, P. - The seven wonders of the world. p.33.
Enigmas and discoveries. p.38.
Lentsman, IA. - Was the early Christianity communist? p.40.
Krasikov, A. - Heritage of the good will of John XXIII. p.46.
Paklin, N. - The pious pastor and poliomyelitis. p.48.
Mironenko, A. - Invasion of prophets. p.49.
Religion and church abroad. p.50.
Kogan, IU., Surikova, K. - Lenin's companion-in-arms, scientist and atheist. p.52.
Bonch-Bruevich, V.D. - My reminiscences of V.I. Lenin. p.56.
Nikitina, F. - A serf and freethinker. p.60.
Chertkov, A. - Confession. p.62.
Bershadskii, R. - The gypsy told fortunes. p.66.
Dubenko, V. - Why Ivan Gnedykh reverse saints p.68
Rogov, A. - Ionas Ragauskas speaks p 69
Afanas'eva, E. - In the hard way. p.71.
Glukhovskaia, L. - Meditation at the television set p.76.
Information and brief news. p.78
Rozenbaum, IU. - Pensions of workers employed by religious organizations. p 80
Follow-up of our articles. p 81
Relics. p.82.
Chernavskii, V. - Triumphant laughter p 84.
Commemorative dates p 88
The calendar of the Orthodox Eastern Church as seen by an atheist p.89
Marinchenko, IU. - To follow the right path is difficult. p.91.
Sheinman, M. - "The poor Christ of Bomba." p 93
Questions and answers p.96.

NOVAIA SOVETSKAIA I INOSTRANNAIA LITERATURA PO VOPROSAM RELIGII I ATEIZMA [NEW SOVIET AND FOREIGN LITERATURE ON THE PROBLEMS OF RELIGION AND ATHEISM]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 5-6, 1963.

RUSSKO-AMERIKANSKII PRAVOSLAVNYI VESTNIK THE RUSSIAN AMERICAN ORTHODOX MESSENGER. Organ of Mitropolichii ekrug Russkoi Pravoslavnoi Tserkvi v Amerike [Metropolitanate of the Russian Orthodox Church in America]. New York, vol.59, no.6, June 1963.

SVITLO, THE LIGHT. Issued by OO. Vasyliiany [The Basilian Fathers]. Toronto, vol.26, no.7(487), July 1963.

VECHNOE [THE ETERNAL] Paris, no.10, Oct 1963.

VIRA I KUL'TURA. FAITH AND CULTURE. Organ of Ukrains'ke naukove bohoslovs'ke tovarystvo [Ukrainian Theological Society] Winnipeg, vol.26, no.5(113), Mar. 1963.

VOIOVNYCHYI ATEIST [MILITANT ATHEIST]. Issued by Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR [Society for Dissemination of Political and Scientific Knowledge of the Ukrainian S.S.R.] Kiev, vol.3, no.9(36), Sep. 1963.

WESTERN EUROPE (Exarchate) Vestnik Russkogo zapadno-evropeiskogo patriarshego ekzarkhata [Messenger of the Russian West European Patriarchal Exarchate]. Paris, no 42/43, Apr.-Sep. 1963.

4. HISTORY

a. GENERAL

AKADEMIIA NAUK SSSR. Institut istorii Problemy istochnikovedeniia [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of History. Problems of the Study of Historical Sources]. Moscow, no 11, 1963.

Table of contents translated:

Lutskii, E.A. - Text of the "land decree" and its reprinting in Soviet publications. p.3.
Fainsobin, V.V. - Russian periodicals and newspapers as a source for the history of the Great October Socialist Revolution in the Russian provinces, October 1917- February 1918 p.46.
Bulygin, I.A. - How to reproduce the text of the documentary materials of the Soviet period. p.67.
Kazantsev, B.N. - Source materials relating to the preparation of laws on hired labor in the industries of slaveholding Russia, from the 1830's to the early 1860's. p.80.
Mironova, I.A. - I.D.IAkushkin's notebook as a historical source p.113.
Kaburan, V.M. - Some materials of the archives and libraries of Moscow and Leningrad concerning the study of Russian historical geography in the 18th and early 19th century. p.153.
Kosven, M.O. - Literary heritage of Timofei Ivanovich Shmalov,a student of the local history of the Siberian Far East. p.196.
Ulashchik, N.N. - Portrayal of White Russian peasants and their implements in the middle of the 18th century. p.200.
Rubinshtein, E.I. - Accounting records as a source for the description of the Russian landed gentry's manufactures of the 18th century; based on hand labor of the second half according to the archival materials of the Goncharov family. p.214.
Protasov, G.A. - V.N.Tatishchev's memorandum "Frank judgment of the Russian gentry" concerning the events of 1730. p.237.
Volkov, M.IA. - Materials of the first census as a source for the history of Russian commerce and industry in the first quarter of the 18th century. p.266.
Baklanova, N.A. - Records on the search of serfs and slaves as a source for the history taxpaying population of rural areas in the Valley in the second half of the 17th century
Buganov, V.I. - Records on the investigation events of an uprising in Moscow in 1662
Mal'tsev, V.P. - Smolensk statistical record 1666 as a monument of the early phase of sian peasant war in the early 17th century
Panchikh, V.M. - Records of the old deeds 16th century p 316.
Abramovich, G.V. - Examination of some R measures of the 15th and 16thcenturies," "kopna," and "obzha." p 364
Serbina, K.N. - History of the Russian chro accounts of the late 15th century, the chro 1497. p.391.
Nasonov, A.N. - Monk Lavrentii's chronicle chronology of historical events in the Gre pality of Vladimir in the first half of the tury p.429.
Shchapov, IA.N. - The versions of Prince I Vladimirovich's statute p 461.
Buganov, V.I. - Evaluation and description sources of Russian history in the works o cian M.N Tikhomirov; on his 70th birthda
Volk, S.S., Iroshnikov, M.P. - Sigizmund I Valk, on his 75th birthday. p.524.

AKADEMIIA NAUK SSSR. Institut istorii Vestn istorii [ACADEMY OF SCIENCES OF THE U Institute of History. Review of Ancient Hist Moscow, no.2(84), 1963.

Table of contents translated:

Shestakov, V.P. -Antiquity in the present-d geois philosophy of history. p.3.
Tolstov, S.P. - Scythians of Central Asia i of recent archaeological discoveries. p.
IAkubo, V.N. - Problem of responsibility a inner life of the heroes of Homeric poem
Kruglikova, I.T. - Studying the rural settle the Bosporus Kingdom. p.65.
Shtaerman, E.M. - Situation of slaves in th period of the Roman Republic. p.80
Liast, R.E. - Slave and hired labor in Rom and their correlation during the first cen p 98.
Melikishvili, G.A. - Assyria and the "coun Nairy" in the late 12th and early 11th cen B.C. p 115.
IAkobson, V.A. - Legal and economic statu "rēdūtu" soldiers during the first Babylon nasty. p.120.
Shtal', I.V. - "Invective" as a source for th of sociopolitical thought. p.141.
Masson, M.E. - A Parthian tetradrachma o dates I found in the ancient settlement of p.152.
Pugachenkova, G.A. - Khalchayan Athena.
D'iakonov, I.M. - Ethnic and social factors history of ancient times; based on Sumer terials. p.167.
Formozov, A.A. - Pottery with the signs of neolithic and Bronze period and the histor ing. p.180.
Kazhdan, A.P. - "Homerus and his poems" S.Mai kish. p.183.
Piotrovskii, B.B. - The Nubian Archaeolog pedition of the Academy of Sciences of th 1961-1962. p.185.
Elamite economic documents from Susa. T tion, translation, and comments by IU.B p.189. (84)

NOVAIA SOVETSKAIA LITERATURA PO ISTOR ARKHEOLOGII I ETNOGRAFII [NEW SOVIET TURE ON HISTORY, ARCHAEOLOGY, AND RAPHY]. Issued by Fundamental'naia biblio obshchestvennykh nauk Akademii nauk SSSR mental Library of Social Sciences of the Ac Sciences of the U.S.S.R.]. Moscow, no. 6,

OCHERKI PO ISTORII RUSSKOGO VOSTOKOVE [FROM THE HISTORY OF ORIENTAL STUD RUSSIA]. Issued by Institut vostokovedenii nii nauk SSSR [Institute of Oriental Studies Academy of Sciences of the U.S.S.R.]. Mos no.6, 1963.

Table of contents translated:

Chistiakova, E.V. - "Scythian history" by A and the problems of oriental studies. p.
Kuznetsova, N.A. - History of the Russian Babism and Bahaism. p.89.
Dantsig, B.M. - Russian studies on the hist the Near East; the second half of the 18th p.134.
Darevskaia, E.M. - Aleksei Vasil'ovich Bu role of Russian settlers in the study of M p.187.
IArotskii, A.V. - P.L.Shilling's oriental st p.218.
Shofman, A.S. - K.A.Kossovich as a studen Orient, 1815-1883. p.254.
Bazilants, A.P. - Establishment of the Mos Institute of Oriental languages; the first h the 19th century. p.270.
Lenin, B.V. - History of the first institute studies in Central Asia. p.302.

PREPODAVANIE ISTORII V SHKOLE [TEACHING HISTORY IN SCHOOLS]. Issued by Ministerstvo prosveshchenila RSFSR [Ministry of Education of the R.S F.S.R.]. Moscow, vol.18, no.5, Sep -Oct 1963.

Table of contents translated·

Let's be active partisans of the ideological front p 3.
Matiushkina, L.P - Remarks of a member of the June Plenum p 8.
Kostrikin, V.I., Perezhogin, M A - Fifth anniversary of the national movement for communist labor. p 9.
Sementuk, G.F. - Industrial development and labor movement in Russia in the 1890's p 19
Vendrovskaia, R.B. - Studying the pattern of social development in the "social science" course. p.29.
Zaitsev, R.L. - Studying the transition to communist labor and distribution in the "social science" course. p 39.
Lerner, I IA. - Studying the history of the U S S R in the ninth grade p 47
Ponomareva, A.V. - Visual aids for the study of economics in the seventh grade p 58
Materials on modern history for the tenth grade p.66.
Berdnikova, E M - Extracurricular work on the occasion of the 45th anniversary of the Communist Youth League. p.80.
Efimov, A V. - New textbook on modern history. p 88.
Belen'kil, M I - Educational motion pictures on history p 96
Matveev, P - Pavel Trifonovich Trifonov, local history teacher. p 101
Popov, M.IA. - "Victory before Moscow" by K.I. Bukov. p.103.
Sukhoparova, M.A. - "Arousing the cognitive activity of fifth-grade students during the study of history." p 106.
New bibliographies on history. p.110.
Annotations. p.111.
Sivachev, N V. - An American textbook. p.114.
Bookshelf. p 121.
Brief news p 126.
Historical news. p.127.

TASHKENT. UNIVERSITET. Nauchnye trudy [UNIVERSITY. Studies]. No.212, 1962. Istoricheskie nauki [Historical Sciences], no.42. Materialy k izucheniiu istorii Srednei Azii i Uzbekistana [Materials for studying the history of Central Asia and Uzbekistan].

Table of contents translated

Kovalev, P.A. - A great date, the 40th anniversary of the establishment of the U.S.S.R. p 7.
Tashmukhamedov, A.M. - Organization and work of the soviets in Uzbek Villages, November 1917-June 1918. p.18
Matveev, A M. - Statutes of the local organizations of the Russian Communist Party in Central Asia, 1918; statutes of the Communist Party of Foreign Workers and Peasants. p 32.
Nikol'skaia, G.B. - History of the social and political life and work of Chinese immigrants in Central Asia, 1917-1924. p.47.
Genishke, L.V. - How the patronage aid of the organizations of Uzbek workers helped to carry out the land and water reform in Uzbekistan. p.63.
Sharapov, Sh. - The First Congress of the Trade Union of Farm and Forest Workers in Uzbekistan in 1925. p.70.
Taktaev, A.A - The role of land reclamation cooperatives in the restoration and development of agriculture in the Uzbek S.S.R. p.75.
Erzin, E.Kh. - Establishment and early history of special cotton growing cooperatives in the Uzbek S.S.R., 1926-1927. p.87.
Nuritov, A.N. - Efforts of the political sections of machine-tractor stations to draw Uzbek women into collective farming, 1933-1934. p.97.
Akopian, N.A. - The First Congress of the Young Women Workers of Uzbekistan, October 1935. p.106.
Kovalev, P.A. - The Communist Party of Uzbekistan in the first two years of the second five-year plan, 1933-1934. p.116.

UKRAINS'KYI ISTORYCHNYI ZHURNAL [UKRAINIAN HISTORICAL JOURNAL]. Issued by Instytut istorii Akademii nauk URSR [Institute of History of the Academy of Sciences of the Ukrainian S.S.R.] and others. Kiev, vol. 6, no. 3, May-June 1963.

Table of contents translated:

Drozdenko, V.I. - Effective reorganization of the party guidance of industry. p.3.
Shcherbak, V.M. - Various forms of the political propaganda of the Communist Party, October 1917-March 1919. p.14.
Horbunova, M.I. - How V.I. Lenin led the Social Democratic organizations of the Ukraine during preparations for the Second Congress of the Russian Social Democratic Party. p.24.
Sliudikova, T.B. - Discussion and dissemination of the first program of our party in the Ukraine. p.34.
Vollaniuk, M.M. - Contacts of the Russian Social Democratic Party with the progressive leaders of Galicia, 1894-1904. p.38.
Romantsov, V.O. - The movement of inventors and efficiency engineers in the Donets Basin, 1950-1961. p.49.
Mel'nyk, S.M. - Contacts between theoretical studies and the practical building of communism. p.57.
Kozhukalo, I.P. - Ideological work of the rural party organizations of the Ukrainian S.S.R., 1953-1958. p.61.
Myshko, D.I. - Development of handicraft in Ukrainian cities, the 15th-the first half of the 16th century. p.67.
Parkhomchuk, S.M. - History of the antifascist struggle of the Rumanian people during the Second World War. p.72.
Filipenko, D.M. - Soviet contacts with Turkey, 1920-1922. p.77.
Poprots'kyi, M.V. - Friendly cooperation of the Soviet peoples in their underground struggle during the Great Patriotic War. p.82.
Koval', M.V. - Cooperation of Ukrainian scientists and cultural and educational workers with the scientists and cultural and educational personnel of the other Soviet Republics during the war. p.88.
Shevchenko, F.P. - Participation of the Transcarpathian Ukrainians in the Ukrainian guerrilla units, 1941-1944. p.95.
Khalapsin, V.M., Korol'ova, O.N. - Work of the editorial staff of the "History of the cities and villages of Kherson Province." p.100.
Balkovyi, P.M. - Znamenovka during the civil war. p.101.
Kostenko, V.S. - From the history of the village of Dernovka. p.102.
Tymoshchuk, B.O. - From the history of the Khotin Fortress. p.103.
Slyn'ko, I.I. - A party conference behind enemy lines. p.106.
Miroshnikov, I.IA. - IU.D. Mel'nikov in Astrakhan. p.107.
Cherevan', A.S. - E. Pugachev in the Ukraine and White Russia. p.108.
Hrechko, A.V. - Ardent fighter for the happiness of our people; on the 75th anniversary of V.P. Zatons'kyi's birth. p.111.
Kunyts'kyi, O.S. - A few words about Ivan Manzhura. p.113.
Marakhov, H.I. - Outstanding Polish revolutionary and democrat; on the centenary of Zygmunt Sierakowski's tragic death. p.115.
Charnovs'kyi, O.O. - Matojko and the Ukraine. p.117.
Koval'chuk, F.K. - Helping the students of grades 10 and 11 to develop an atheistic attitude. p.118.
Onyshchenko, I.Z. - Studying the Ukrainian culture of the first half of the 19th century in the seventh grade. p.120.
Teodorovych, I.M. - Present-day historiography of the restoration of the Polish independent state. p.123.
Shostak, P.V. - "The party organization of Lvov Province." p.129.
Hutians'kyi, S.K., Pavlov, F.S. - "Chronicle of the building of communism, historical events in the Ukraine, 1959-1961." p.130.
Sazhenuk, S.N., Serhiienko, H.IA. - "Kiev, a heroic city" by D.F. Grigorovich. p.133.
Kulichenko, M.I. - "The Communist Party as inspirer and organizer of the initiative of the Ukrainian people in the establishment of the U.S.S.R." p.134.
Hrytsenko, A.P. - "How the Makeevka Communists struggled for the victory and consolidation of the Soviet regime" by M.IA. Zaporozhets. p.137.
Sarbei, V.H. - "Historiography of the history of the U.S.S.R. from the ancient period to the Great October Socialist Revolution." p.139.
Lysenko, M.M. - "Sergei Ivanovich Murav'ev-Apostol" by L.O. Medvedskaia. p.141.
Vvedens'kyi, A.O., Strel's'kyi, V.I., Mel'nyk, L.H. - "Sources of the history of the U.S.S.R. No.1. From the ancient period to the late 18th century" by M.N. Tikhomirov. p.142.
Kompan, O.S. - "Problems of the socioeconomic history of feudal Russia and its sources." p.144.
Ivasiuta, M.K., Isaievych, IA.D. - "Soviet historical encyclopedia." Vols.1-2. p.146.
Vlasov, I.H., Hanusets', O.I. - "Economic role of the state under socialism." p.147.
Slobodenko, A.M. - "Modern history." p.149.
"Bibliography of the Ukrainian publications of K.Marx' and Friedrich Engels' works" by I.A. Bahmut, P.M. Shmorhun. p.152.
Linshenko, L.H. - Foreign contacts of the Institute of History of the Ukrainian S.S.R. in 1962. p.153.
Holubova, H.H. - Glorious anniversary. p.155.
Trusievych, M.S. - Lvov historians celebrate the anniversary of the Revolution of 1863. p.156.
Leshchenko, N.M. - Discussing the textbook on the history of the U.S.S.R. for the seventh grade. p.156.
Vynokur, I.S., Bohun, H.H., Lypko, S.A. - Local historians are collecting archaeological materials. p.157.
Moroz, L.Z. - Defense of doctoral dissertations. p.158.

VOPROSY ISTORII [PROBLEMS OF HISTORY] Issued by Otdelenie istoricheskikh nauk Akademii nauk SSSR [Department of History of the Academy of Sciences of the U.S.S.R.]. Moscow, vol 38, no.7, July 1963.

Table of contents translated:

Polikov, IU.A. - Communist education and the study of history. p.3.
Titarenko, S.L - Historical significance of the Second Congress of the Russian Social Democratic Party. p.19.
Selunskaia, V.M. - V.I. Lenin's "cooperative plan" and its development in the new program of the CPSU. p 34.
Atsarkin, A N. - The Bolshevik Party as the educator of proletarian youth, 1903-1917 p.46
Trukhanovskii, V.G. - Principle of peaceful coexistence and its bourgeois critics p.62.
Pankevich, F.I. - Uprising of the Ruhr proletariat in March 1920. p.97
Vasil'ev, I.V. - General session of the Department of History of the Academy of Sciences of the U.S.S.R. p.110.
Anfimov, A.M., Tikhonov, IU.A. - The Fifth Inter-Republic Conference on the Agricultural History of Eastern Europe. p.111.
Shul'gin, V S - A historiographical conference in Moscow University. p.117.
Fraiman, A L. - "On 'Aviors's' course; organization of the Soviet Navy and the early history of Soviet naval operations, November 1917-March 1919" by R.N. Mordvinov. p.120.
Rybakov, M.V. - "Milestones of a remarkable road; reminiscences on the civil war." p.122
Snegirev, M.A., Sharapov, G.V. - The Great October Revolution and the solution of the agrarian question in our country. p.125.
Khesin, S.S. - "Early history of the Soviet regime, the Petrograd Bolsheviks in the first months of the dictatorship of the proletariat" by A.V. Krasnikova. p.130.
Stepanov, Z.V. - Two books on V.I. Lenin's nationalities policy in the period of the early history of the Russian Social Democratic Party and during the first Russian revolution. p.132.
Ivanov, L.M., and others. - "Brief history of the Russian labor movement, 1861-1917." p.136.
Krikunov, V.P. - "'Land and liberty,' an organization of the revolutionary Populists" by P.S Tkachenko. p.139.
Diakin, V.S. - "Class battles are shaking the capitalist world; a new intensification of the revolutionary labor movement." p.141.
Kuliev, F.N. - "How the peoples of East Africa struggled for their national liberation after the Second World War" by A.M. Khazanov. p.144.
Gol'man, L.I. - Works of a remarkable utopian socialist. p.146.
Skazkin, S.D., Barg, M.A., Lavrovskii, V.M. - "German history from the late Middle Ages to the Revolution of 1848" by A D.Epshtein. p.149.
New books. p.153.
Articles published in Soviet historical periodicals. p.155.
Varshavskii, A.V., Shkarenkov, L.K. - These historical studies will be published in 1963 by the Publishing House of Socio-economic Literature. p.159.
Savel'ev, I.S. - These books on history will be published in 1963 by the Publishing House of Educational Literature. p.161.
Orekhov, A.M. - The 85th anniversary of the liberation of Bulgaria from the Turkish yoke. p.163.
Brief notes. p.164.
Motylev, V.V. - We are against the reformist conception of J.Strachey. p.167.
Muravko, G.P. - A Czechoslovak historian on the Great October Socialist Revolution. p.173.
Zubok, L.I. - "The First International in America" [in English] by S.Bernstein. p.174.
Historical articles in periodicals published in socialist countries. p.177.
Bolozniak, A.I. - "Beitrage zur Geschichte der Deutschen Arbeiterbewegung," an East German periodical. p.179.
Grishina, R.P. - Bulgarian Communists and the Spanish civil war. p.184.
Orlik, I.I. - History of the socialist reorganization of a country. p.185.
Shurkalin, A.K. - Struggle for the unity of Hungarian workers during the Second World War. p.186.
Ovcharenko, N.E. - Outstanding champion of the labor cause. p.187.
Pankov, F.I. - Scholars of the German Democratic Republic are studying the history of the German labor movement. p.188.
Pashaeva, N.M. - Czechoslovak internationalists in Soviet Russia. p.188.
Sozin, I.V. - A glorious page from the history of the revolutionary movement. p.189.
Sharovatova, R.S. - Socialist reconstruction of agriculture in the Rumanian People's Republic. p.191.
Filitov, A.M. - Spartacus Group's attitude toward the October Revolution. p.192.
Pechuro, E.E. - One more distortion of the history of the Bolshevik Party. p.193.

Grigor'ev, IA.G. - Workers lead the national liberation movement in Latin America. p.195.
Kolpakov, A.D. - History of social utopias. p.196
Foreign reviews of Soviet historical studies. p.197.
Demushkina, E.V. - Historical studies in Venezuela. p.200.
Brief notes. p.203
Tarle, G.IA. - Pages from the history of proletarian solidarity p.204.
Gvishiani, L.A. - Early history of American relations with the Soviet State, the mission of Raymond Robins p.210.

Vol.38, no.6, Aug. 1963.
Table of contents translated:
Objectives of historical science in the light of the decisions of the plenary session of the Central Committee of the CPSU in June 1963. p.3.
Boltushkin, V.V. - Development of the state farms of the Russian Federation in 1954-1958. p.19.
Sokolov, O.D. - V.I. Lenin and the gradual mastery of Bolshevik theory by M.N. Pokrovskii p.30.
Kudashev, L.N. - History of the Kuriles. p.42.
Shmidt, S.O., and others - Subject matter and program of the "History of the history of the U.S.S.R." course in Soviet universities p.59.
Oleinik, I.P. - Socialization of the means of production in the European people's democracies. p.86.
Sedov, K.I. - General session of the Department of History of the Academy of Sciences of the U.S.S.R. p.101.
Malakhovskii, K.V. - Characteristics and objectives of Soviet oriental studies p.102.
Matveev, A.M., Nikol'skaia, G.B. - Historical research in Tashkent University p.104.
Zvarev, V.A., Samollo, N.A. - Historiography of the Battle of Kursk. p.109.
Budnikov, V.P. - Soviet historical studies on the history of Bolshevik newspapers and periodicals published during the October Revolution. p.114.
Shcheprov, S.V. - "The birth of our party." p.126.
Buganov, V.I. - Documentary materials on the peasant war led by Stepan Razin. p.128.
Gorlov, V.P. - "The war in Europe, 1939-1941" by D.M. Proektor. p.132.
Osokin, S.D. - "Diplomatic struggle of the U.S.A. for the dominion of the sea and the rivalry of imperialist states, 1918-1945" by Z.M. Solomtsov. p.134.
Shul'man, I.P. - "Studies on the history of Austria, 1929-1938" by V.M. Turok. p.136.
Kopychev, N.I., Kross, B.B. - "Bourgeois historiography of the origin of the First World War and international relations in 1914-1917" by K.B. Vinogradov. p.139.
Bukshpan, P.IA. - "Aggravation of conflicts among imperialist states on the eve of the First World War" by A.I. Zvavich. p.140
Zheltiakov, A.D., Petrosian, IU.A. - "Special features of the development of Turkish capitalism, 1923-1960" by IU.N. Rozaliev. p.142.
New books. p.144.
Historical articles published in Soviet periodicals. p.147.
Leonidov, N.A. - A conference devoted to T.N. Granovskii. p.151
Dissertations for the degree of Candidate of Historical Sciences defended in 1960. p.152.
Brief notes. p.156.
Borisov, IU.V. - Soviet relations with France in 1933-1936. p.161.
Zakher, IA.M. - "Paris sections in the year II" [in German] by A. Soboul. p.178.
Dutt, C. - "The appeasers" [in English] by M. Gilbert, R. Gott. p.179.
Historical articles in periodicals published in socialist countries. p.182.
Starokadomskaia, M.K. - "Rivista storica italiana," an Italian periodical. p.183.
Vinogradov, V.N. - Armed uprising of the Rumanian people in 1944. p.188.
Kudriavtseva, N.I. - A page from the heroic history of the Communist Party of Germany. p.189.
Stanislavov, S.M., IAkubskii, V.A. - The Second International Conference on Economic History. p.189.
Fedorov, V.A. - An obsolete interpretation of Russian internal policy in the 18th and the first half of the 19th century. p.192.
Budkevich, S.L. - Japanese historians are struggling for peace. p.193.
Petrov, D.B. - "Russian version" of the Civil War in the U.S.A. p.194.
Vinogradov, K.B. - An American historian evaluates the publication of German diplomatic documents. p.195.
Erofeev, N.A. - English workers and the second parliamentary reform in 1867. p.196.
Pochuro, E.E. - "Pure science" and the study of history. p.197.
Salov, V.I. - Establishment of the Hitlerite dictatorship in the interpretation of a Bonn periodical. p.198.
Bessmertnyi, IU.L. - A tendentious conception of German history. p.199.
Marinovich, L.P. - First discovery of a Byzantine sea vessel. p.201.
Gel'tser, M.L. - A convincing solution of a controversial question. p.202.
Foreign reviews of Soviet historical studies p.203.
Ránki, György, Sávari, Ágnes - Long-range plans for the scholarly research of Hungarian historians. p.204.
Brief notes. p.208.
Kazhdan, A.P., Sozin, I.V. - Against some mistakes in atheistic literature. p.210
Mitskun, N.I. - Role of the Mesta in the Spanish history of the 18th century. p.211
Maksim Grigor'evich Levin, obituary. p.219.

b. ARCHAEOLOGY & ANTIQUITIES

AKADEMIIA NAUK TADZHIKSKOI SSR, Dushanbe. Institut istorii. Trudy [ACADEMY OF SCIENCES OF THE TAJIK S.S.R. Institute of History. Transactions]. Dushanbe, vol.34, 1962 Arkheologicheskie raboty v Tadzhikistane [Archaeological Excavations in Tajikistan], no.8.
Table of contents translated
Work of the Tajik Archaeological Expedition in 1960. p.3
Ranov, V.A. - Excavations of monuments of the primitive commune system in the eastern Pamirs in 1960 p.6.
Litvinskii, B.A., Bubnova, M.A - Excavations of burial mounds in the eastern Pamirs in 1960. p.27.
Zeimal', T.I - Archaeological work in the Vakhsh Valley in 1960. p.35.
Saltovskaia, E.D. - Archaeological excavations in Kizil-Tepe in 1960. p.48.
Babaev, A. - Archaeological explorations in the western Pamirs in 1960. p.55
Negmatov, N., Saltovskaia, E.D - Work of the Khodzhent-Ura-tiubinsk detachment in 1960. p.69.
Belenitskii, A.M. - Excavation results at the ancient site of Pendzhikent in 1960. p.90.
Guliamova, E. - Archaeological excavations of the citadel of the ancient site of Khul'buk in 1960. p.118.
Ranov, V.A. - Two new Stone Age monuments in southern Tajikistan. p.130.
Pulatov, U - Archaeological finds in Leninabad and Kansay. p.139.
IUrkovich, E.A. - Materials on the archaeological map of Tajikistan. p.144.
Nomtsova, N.B. - Archaeological explorations at the Sheikh Muslikhiddin Mausoleum in Leninabad. p.153.
Ismailova, S., Pavlova, A.E. - Soviet literature on the archaeology of Tajikistan published in 1960. p.155.

5. SOCIAL SCIENCES

a. COMMERCE

BIULLETEN' INOSTRANNOI KOMMERCHESKOI INFORMATSII; prilozhenie [BULLETIN OF FOREIGN COMMERCIAL INFORMATION; Supplement]. Issued by Nauchno-issledovatel'skii konʺiunkturnyi institut [Scientific Research Institute of Economic Trends]. Moscow, no.1, Apr. 1963.
Table of contents translated:
Monopolies in the chemical industry of the U.S.A. p.1.
Monopolies in the natural rubber market. p.38.
Mercury situation in capitalist countries. p.57.

BUKHGALTERSKII UCHET [ACCOUNTING]. Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U.S.S.R.]. Moscow, vol.20, no.8, Aug. 1963.
Table of contents translated:
Editorial: Accountants, do your duty! p.1.
Chuiko, N. - Improve the standard method of accounting for production costs. p.4.
Bocharov, G., Chaikin, F. - On the calculating system in machinery manufacturing. p.8.
Adamov, V. - Method for distributing overhead costs. p.14.
Zykov, A. - Calculating the cost of production in public dining food processing enterprises. p.20.
Kaganovich, A. - Punched card-reproducing machines and their utilization. p.23.
Zaglobotskii, P. - Analysis of the state of production mechanization. p.28.
Umanskii, M. - Analysis of the turnover of working capital in the petroleum and the gas industries. p.34.
Oganesian, S. - Uncovering potentials in the enterprises of Armenia. p.40.
Finkel', S. - Reduce the distribution expenses of supply and sale organizations. p.43.
Kokhan, A. - Introduce business accounting in plant administration departments. p.45.
Kolchinskii, I., and others. - Improve the quality of annual reports. p.49.
Borodkin, A. - Method of accounting for and disclosing the results of business accounting in workshops, brigades and shop sections. p.59.
Baranov, N. - Accounting for norm changes. p.63.
Zharkov, I. - Accounting for capital assets, articles of little value and those which depreciate rapidly in use. p.65.
Konoplʹko, I. - Is such an instruction necessary? p.67
Review of newspapers. p.69
Svitich, S. - "Volunteer auditor's manual" by V. Syrov and others. p.74.
In the methodological council. p.76.

b. ECONOMICS

EKONOMIKA RADIANS'KOI UKRAINY [ECONOMICS OF THE SOVIET UKRAINE]. Issued by Institut ekonomiky Akademii nauk URSR [Institute of Economics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, no 4, July-Aug. 1963.
Table of contents translated:
Kochubei, A. - Working out a new five-year plan for the development of the national economy p.3
Virnyk, D - Current tasks of historico-economic research p.11
Andrianov, V., Bubnov, V - Increasing the efficiency of capital investments in petroleum refining p.21
Britsenko, P., Zablukots'kyi, P - On the problems of determining the level of production mechanization and automation p.27
Medvediev, V - Economic efficiency of the comprehensive mechanization and automation of coal mines. p.32
Cherkas'kyi, R., Rampol'skyi, M. - Improve the organization of transportation and warehouse operations. p.37.
Radchenko, A. - Main trends and the characteristics of technological progress in agriculture. p.43.
Braslavets', M., Khotsinnovych, H - Establishing norms and the scientific organization of labor in agriculture p.50.
Sholomii, IU - Reducing costs and improving the profitableness of production are the most important conditions for the economic development of collective farms. p.54.
Poznokhirin, I. - Optimum size of sheep farms and sections p.59
Vlasov, I., Savchenko, S. - Distribution and the utilization of labor resources in the Ukraine. p.65
Stremʹkyi, P., Savluk, M. - Method for studying currency circulation p.72.
Melʹnyk, B, Shvaika, M. - Practice in the organization of the delivery of goods on circuit route buses in Lvov. p.79.
Kolenko, O. - Intensify the effort for the quality of consumer goods p.84.
Chechel', N. - Developing communal housing and services in the western provinces of the Ukraine p.89.
Kabanovych, B, Bieznykov, V - Introducing modern calculating machines in planning for the supply of machinery and equipment is the important task of the national economy. p.94.
Laban, P. - For a deeper analysis of production costs p.100.
Vasyl'iev, O, Chulkov, T - Improving wage forms for collective farmers. p.109.
Vitkin, M, Miroshnychenko, M. - Increase the role and responsibility of local soviets in planning the retail turnover of goods and their distribution p.114.
Palamarchuk, M. - First book on the specialization and comprehensive development of an economic region of the Ukraine. p.118.
Golovach, A. - Satisfying the increasing needs of the population. p.119.
Krysal'nyi, O., Taranenko, V. - The institute strengthens its ties with agricultural production p.122.
Prymak, K. - In the Institute of Economic Research attached to the State Planning Committee of the Ukrainian S.S.R. p.123.
Ishchenko, I., Nasushnyi, L - Improving the scientific standards of national economic planning p.125.

EKONOMIKA SEL'SKOGO KHOZIAISTVA [ECONOMICS OF AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.34, no.7, July 1963.
Table of contents translated:
Editorial: Improve ideological work to meet new tasks. p.1.
If there are feeds there will be milk and meat. p.1.
Lomeshev, M. - Improving the supply of equipment and machinery in agriculture. p.8.
Lukinov, I. - Economic bases of price determination for agricultural products. p.18.
Tolpekin, S. - Economic efficiency of the comprehensive mechanization of agriculture. p.35.
Martynovskii, V. - From the lagging to the leading ones. p.48.
Popov, V., Sokolova, N. - Role of legumes in strengthening the farm's economy. p.55.
Khusainov, I. - Intensive fattening is a dependable means for increasing meat production. p.60.
Kiselev, N. - Grain cleaning stations on collective and state farms. p.63.

B 50 Ivanov, A - New silage harvesting combines p 68
Knia'ev, N , Ragimov, R , Ginzburg, IA - What hinders the development of a supply base near Baku p. 71
Vakulenko, V. - Business accounting within individual production units of a collective farm in operation. p. 79
Kurbatov, I. - Monthly accounting for expenditures in a brigade p 84.
Zinochkin, A. - Influence of intensive cultures on the productivity of a ploughland p 88
How to evaluate the economic operations of collective and state farms. p. 92
Kotelianets, V., Kreminskaia, E - Progressive method of gathering and stacking straw. p. 104
Kazunov, R - How the increase of state purchasing prices for raw cotton benefits the collective farms of Azerbaijan. p. 107
Gordeev, G. - New York milk supply p 110.
Gabidullin, V - Consistent intensification is the main path for an agricultural upsurge p 115
Kuznetsov, G. - Establishment of work norms and wages for collective farmers in the recommendations of local agricultural organs. p 118
Romanov, V. - Studying the problems of price determination p. 124.
Abushaev, I - Scientific and Technical Society on Agriculture p. 126.

EKONOMIKA SOVETSKOI UKRAINY [ECONOMICS OF THE SOVIET UKRAINE]. Issued by Gosplan Soveta Ministrov Ukrainskoi SSR and Institut ekonomiki Akademii nauk URSR [State Planning Commission of the Council of Ministers of the Ukrainian S S R and the Institute of Economics of the Academy of Sciences of the Ukrainian S. S. R.] Kiev, nos. 3-4, May-Aug. 1963.

LIAUDIES UKIS [THE NATIONAL ECONOMY]. Issued by Lietuvos TSR Valstybine plano komisija [State Planning Commission of the Lithuanian S. S. R.] and others. Vilnius, no 6(56), Aug, 1963. [In Lithuanian]

MIROVAIA EKONOMIKA I MEZHDUNARODNYE OTNOSHENIIA [WORLD ECONOMICS AND INTERNATIONAL RELATIONS]. Issued by Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii Akademii nauk SSSR [Institute of World Economics and International Relations of the Academy of Sciences of the U.S.S.R.]. Moscow, no 6, 1963.

Table of contents translated

Timofeev, T. - Creative Marxism-Leninism and the problems of the labor movement. p 3
L'vov, M. - The nuclear policy of NATO, contradictions and discords p. 21.
IUdin, IU. - The U S.A. monopolies and the Washington policy. p 36
Belous, T. - International monopolies and economically underdeveloped countries p. 50.
Bogdanov, O. - Gold in the financial system of imperialism. p 63
Madzoevskii, S., Mel'nikov, D , Molchanov, N. - The European tangle of imperialist contradictions p. 73.
Vil'khovchenko, E. - "Social dynamite." p. 82.
Rubinskii, IU. - Morocco after the elections p. 84.
Markov, A. - Military budget of France. p 87.
Pegushev, A. - Kenya at the threshold of independence. p. 89.
Mikul'skii, K. - In a distorting mirror. p. 91.
Brief news. p. 94.
Perlo, V - The economy of Michigan. p. 98
Shpit, A. - Transportation problem in Africa. p. 110.
Liudmilin, R. - Private banks of Great Britain. p. 119.
Prokhorova, G - Rural electrification in the United States, competition at the farmers' expense p. 127.
Kutsobin, P - Socialist parties of India. p. 131.
Kolokol'tsev, V. - [illegible]in TSedenbal. p. 135
p. 136.
VI p. 138.
l Rajagopalachari. p. 140.
a legend. p. 142.
k on the struggle of the
heel" of Swedish capital-
roups." p 150.
s of peaceful coexistence.
portant sociological prob-
. p. 155.

BEKISTANA [THE NA-
BEKISTAN]. Issued by
komissiia Soveta Ministrov
ng Commission of the
Uzbek S.S.R.]. Tashkent,
translated:
ive activity of the people.
principles and trends in
.10.
ad use of chemistry
alth. p. 19.
Place economics at the center of attention of party organizations p. 25
Grishina, I. - Friendship screen p. 26.
Skrebnev, V - We shall make a decisive effort to avoid unproductive losses p 30
Rachinskii, A , Startsev, T. - Profitable, expedient and cheap p 36
Izmailov, F., Bakulin, V. - Main element of comprehensive mechanization p. 39.
Liakhovskii, M. - Achil Muminov is harvesting p. 44.
Savchenko, P - The trend is toward developing progressive types of fuel. p. 46.
Shilfanov, K. - Duty plus initiative. p 50
First stage in the creation of an experimental firm p. 55.
Markov, G. - In the communist way p. 59.
Belousov, N - Improve the guidance of industry. p 62.
Karimov, N , L'vovskii, A - We are for "Gigant." p. 65
Rasulev, F. - The standard of living of the people is growing. p. 66.
Islamkhodzhaev, S. - Not primitive shops but modern enterprises. p. 70
Calique, L. - "Important industrial power of the East." p. 73.
Peslov, I. - How much does Uncle Sam's "aid" cost Pakistan? p. 77

NOVAIA INOSTRANNAIA EKONOMICHESKAIA LITERATURA [NEW FOREIGN ECONOMIC LITERATURE]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 5-6, 1963.

NOVAIA SOVETSKAIA EKONOMICHESKAIA LITERATURA [NEW SOVIET ECONOMIC LITERATURE]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 5-7, 1963.

PLANOVOE KHOZIAISTVO [PLANNED ECONOMY]. Issued by Gosplan SSSR and SNKh SSSR [State Planning Committee of the U.S.S.R. and the Economic Council of the U S.S.R.]. Moscow, vol. 40, no. 8, Aug. 1963.

Table of contents translated:

Editorial - Introduce new principles for working out national economic plans. p. 1.
Litviakov, P. - Improve the balance sheet method for planning labor. p. 7.
Meikin, R. - Developing and utilizing norms for specific capital investments. p. 14.
Sochinskii, A. - Economy derived from improving the quality of industrial production. p. 22.
Andronov, L. - Economic efficiency of increasing the durability of products. p. 28.
Borisov, IU. - Specialization of repair work. p. 34.
Kuzinkov, N. - Benefits derived from centralizing machine-tool repairs. p. 38.
Shakin, IU. - How to specialize automobile repair. p 45.
Pirogov, G. - For a wider use of electronic data processing. p. 49.
Chernlak, IU. - Supply regional economic councils with automized information systems. p. 52
Suvorov, B. - Applying dynamic programming. p. 57.
Suslov, I. - Evaluate the result objectively. p. 62.
Conference participants speak. p. 68.
Aush, Sh. - Several forms of cooperation among members of the Mutual Economic Assistance Council and prospects for developing them. p. 72.
Říha, L., Kumarek, V. - Determining the efficiency of capital investments in the socialist economy. p. 79.
Mashenkov, V. - Significant figures. p. 86.
Kostakova, E. - Yearbook of the Institute of Economics of the Hungarian Academy of Sciences. p. 90.
Sidorova, V. - The library is the disseminator of the knowledge of economics. p. 93.
Republic-wide conference of economists. p. 95.

Vol. 40, no. 9, Sep. 1963

Table of contents translated:

Machikhin, V., Panfilov, V. - Potentials for increasing labor productivity in R.S.F.S.R. industry. p. 1.
Vasil'ev, E., Vakhlamov, I. - Utilize more fully economic incentives for speeding up technological progress. p. 10.
Voscelov, V., Sytnikov, IU., Kolesova, K. - Methodological problems in compiling the index of standard manufacturing costs. p. 16.
Dobrovravova, L. - Problems of establishing norms for the utilization of equipment in machinery manufacturing. p. 24.
Zagorodneva, A., Smirnova, E. - Method for working out a balance of the labor resources of cities and regions. p. 31
Boliaev, S. - On a method for planning capital investments. p. 35.
Zhukov, P. - New form of economic analysis organization in an enterprise. p. 41.
Borzunov, A - Plan taking specialization into account. p 45
Skolka, J , Vepřek, J. - Utilizing matrix models for planning in enterprises and branches of Czechoslovakia. p 49.
Meleshkin, M - Ways to improve the utilization of the productive capacity of firms p 54.
Baikov, N - Firms and specialization. p 59.
Radomyssel'skii, M. - Method for calculating the economic efficiency of Soviet industrial firms p 62.
Alekseenko, A - From practice of the organization and work of firms. p. 66
Fradkin, G - Potentials for developing progressive industrial branches p 69.
Verevkin, A. - Utilize the wealth of the Far East. p. 72.
Markarian, Kh - What keeps back the development of the chemical industry in the Volga Valley. p 77.
Petrescu, M - The Rumanian national economic complex is a composite part of the world socialist economy. p 79.
Retenyi, I - Current problems in the development of the Hungarian national economy. p 85.
Vylev, N. - Problems of planning the Bulgarian economy in the journal "Planovo stopanstvo i statistika." p 91.
Zhorov, A. - Study of the economics of textile production p 95

REFERATIVNYI SBORNIK: EKONOMIKA PROMYSHLENNOSTI [JOURNAL OF ABSTRACTS: ECONOMICS OF INDUSTRY] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no 9, Sep. 1963

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly, ekonomicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools; Economics]. Moscow, vol. 6, no. 5, 1963.

Table of contents translated:

Gel'man, P - Economic changes in the Cuban Republic p 3

Important problems in planning the production and trade of consumer goods:

Bel'chuk, V. - Correlation between the supply and demand of consumer goods during the building of communism. p. 16.
Gaichovskaia, F. - Influence of public consumption funds on the supply and demand of consumer goods. p. 27.
Kotelevskii, N. - Role of prices in regulating the supply and demand of consumer goods. p. 31.
Sinitsin, V. - Determining the demand structure for food and nonfood commodities p. 35.
Kirichenko, N - Methods for determining qualitative changes in workers' consumption p 40
Pokropivnyi, S. - Technological progress and repair production in machinery manufacturing p. 47
Rodionova, V - Several problems of the efficiency of capital investments in state farm production. p 56
Savel'ev, IU - Neocolonialism of the United States of America and the condition of the working class of dependent countries. p 65
Rivkin, R. - Schumpeter's theory of the "self-destruction of capitalism" is a tool of bourgeois apologetics p 73
Bazhenov, V. - Index of labor productivity in construction p 84.
Dolia, V. - Computing the influence of individual factors on labor productivity in construction. p 86
Kobylinkov, I. - Economic efficiency of the mechanization of production processes in metallurgy. p 93
Shishov, A , Sasin, M - Comparative economic advantages of the production and use of simple and double superphosphate. p 98.
Glukhov, A , Pastrevich, O - Problems of ideological work in the economics department. p. 100.
Paklina, K., Danilota, V - For a close tie between teaching economic theory and the practice of the building of communism. p. 103
Chernov, P. - Fruitful initiative p 105.
Dazyiev, T. - Students' creativeness should be the concern of every department. p. 107.
Tarunin, A. - Sample list of problems for dissertations in economics. p. 110.
Shcherenko, V , and others. - Economic role of the socialist state during the large-scale building of communism p. 116.
Evseev, M. - Valuable study on the history of Russian economic thought p. 126.
Sigov, I - Book on the efficient organization of agriculture near cities. p. 131.
Oparina, G - New study on the history of machinery manufacturing in the U.S.S.R. p. 135.

TASHKENT, FINANSOVO-EKONOMICHESKII INSTITUT. Nauchnye zapiski [FINANCIAL AND ECONOMIC INSTITUTE, Studies]. No. 14, 1961. Voprosy ekonomiki promyshlennosti [Problems of the economics of industry].

Table of contents translated:

Sabirov, Kh.R. - Role of the budget in the industrial development of Uzbekistan. p. 3.

Papariuk, K N - National product and the national income of the Uzbek S.S.R p 15.
Aktamov, P. A - Profitableness of an industrial enterprise and its measurement p 28
Gabzalilov, G. F. - Obsolescence of capital assets, based on the materials of the agricultural machinery plants of Uzbekistan p 38.
Zagorodniuk, O. P - Planning and accounting for the amortization of capital assets of machinery manufacturing enterprises. p 53
Ivanov, N. P. - Measuring the labor productivity of auxiliary workers in machinery manufacturing enterprises. p 60
Iuldashev, Sh Kh - Development of agricultural machinery manufacturing in Uzbekistan p 70
Shanchenko, I. V. - Working capital of the cotton industry. p 78.
Khankhodzhaev, T T - Problems of the quality of industrial production p. 93.
Pivinskii, I N. - Potentials for reducing the cost of weight gain at the cattle fattening enterprises of Uzbekistan. p. 103.
Kim, A. - Problems of utilizing underground waters in the national economy of Uzbekistan p 114
Artykov, M. - Development of housing construction in Uzbekistan p 118.
Mikhalev, F A - Marketing costs and the problems of organizing progressive trade forms. p. 127.

UCHET I FINANSY V KOLKHOZAKH I SOVKHOZAKH [ACCOUNTING AND FINANCE ON COLLECTIVE AND STATE FARMS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U. S. S. R.]. Moscow, vol. 20, no. 5, May 1963.

Table of contents translated:

Editorial. Take care of feeds all year-round. p. 2.
Mikhailov, P. M. - Ways to unify collective and state farm reports. p. 4.
Istomin, F. S. - We suggest. p. 4.
Birkadze, I. D. - Urgent matter. p. 7.
Bidenko, D. S. - Accounting and distributing supplementary payments for products received on state farms. p. 8.
Minaev, K. S. - Change the attitude toward accounting. p. 9.
Panin, N. A. - Accounting on the collective farms of Kaluga Province has not been adjusted. p. 10.
Azimov, T. - Take care of building materials. p. 11.
Riykin, A. D. - Bookkeeping accounts. p. 12.
Kolpashnikov, M. I. - Put all potentials into practice. p. 16.
Platonov, N. N. - Regularize payments to replenish the indivisible fund. p. 21.
Ukhilov, N. V. - Economic council on a state farm. p. 22.
Korchevnoi, V. S. - Who administers the collective farm funds? p. 23.
Soldatov, I. N., Borisenko, N. P. - Mechanization is the path toward profitable production. p. 24.
Blankman, IA. M. - The structure of capital assets and their utilization. p. 26.
IAgafonov, M. S. - Thrift is better than wealth. p. 30
Naprseev, M. P. - For a stricter control on the collective farm. p. 33.
Orlovskii, I. A. - Modestly and businesslike. p. 36.
Shlikevich, I. S. - How we work. p. 39.
Sharapa, V. A. - Production administration auditor on a collective farm. p. 40.
Krikalo, V. IU. - What did the audit show? p. 42.
Khvashchevskii, V. I. - Supply agriculture with calculating machines. p. 43.
Where to buy an arithmomotor? p. 46.
New books. p. 47.
Ready for publication. p. 47.
Brief news. p. 47.

Vol. 20, no. 6, Aug. 1963.

Table of contents translated:

Editorial: For the new victories of communism! p. 2.
Chepeliuk, V. N. - Control over wage fund disbursement. p. 5.
A new method of accounting for labor. p. 7.
Romanchuk, I. A., Nenashev, P. A. - Collective and state farms should have a uniform accounting system. p. 9
Makiushin, M. A. - Uniform accounting report plan. p. 11.
Epifimov, A. P. - Practice has convinced us p 12.
Nepomniashchii, S. F. - For model accounting. p. 13.
Nemchinov, P. P. - Accounting principles in agricultural enterprises. p. 14.
Volodin, D. A., Dudko, V. I. - Four years of monetary wages. p. 19.
Dmitriev, I. D. - Business accounting is the basis of the success p. 23.
Reztsov, I. F. - Who is going to pay for the vegetables? p. 27.
Borshchev, I. K. - Correlation analysis between the rates of the increase of labor productivity and wages. p. 26.
Dzhul'skii, I. P. - What did the annual report show? p. 30.
Kashurin, V. V - How to calculate the marketability of collective farm production. p. 33.
Pizengol'ts, M. Z. - There is a need to exchange practice. p 35
Adrianov, A. F - Our practice in training accountants. p. 37.
Nikol'skii, N. K. - The journal-voucher accounting system pp 38, 42, 46.
Traveling allowances for business trips. p 42
Bachurin, A. A - Supply agriculture with calculating machines p. 43
Staryi, Vitoslav - Accounting for livestock in the unified agricultural cooperatives of Czechoslovakia p. 45.
Brief news. p 48.

Vol. 20, no. 9, Sep. 1963.

Table of contents translated

Editorial. Following the Leninst principles. p. 2.
Sychev, P. I., Makovel'skii, I. G - Ten years along the path pointed out by the party p. 6.
Marchenko, M. S. - Evaluation of capital assets on collective farms. p. 12
Kramarovskii, L. M - Unify and improve accounting in intercollective farm construction organizations p. 14.
Berezneva, I. I. - Accounting mechanization in the agriculture of Latvia. p. 16
Nikol'skii, N. K - Journal-voucher accounting. p 19.
Vlasenko, L. I. - Manure evaluation p. 26
Fedchenko, G. A. - Place organic fertilizers under control p. 27.
Readers share their experience, suggest and advise. p. 28.
Koblanov, A. B. - Business accounting is the path to success. p. 29.
Islamov, A. I. - Every collective farm should have business accounting within its individual production units. p. 30.
Dukach, P. V. - How business accounting has benefited us. p 32.
Erdneev, M. N. - Disorders in payments p. 32.
Rozhkov, A. M. - Stockbreeding should be profitable. p. 35.
Litvin, IU IA. - The institute aids collective farms p. 36.
Bachurin, A. A. - Supply agriculture with calculating machines. p. 41
Rybnikov, M. A. - New developments in issuing credit to collective and state farms p 42.
Replies to our readers' questions. p 43.
Galanov, M. A. - Beyond the scope of the textbook. p. 44.
Grigor'ev, S. T. - Visual aid for agricultural economics schools p. 45.
Brief news. p. 47

VESTNIK STATISTIKI [STATISTICAL REVIEW] Organ of TSentral'noe statisticheskoe upravlenie SSSR [Central Statistical Administration of the U. S. S. R.], Moscow, no 8, 1963.

Table of contents translated

Sixty years of the struggle for the happiness of the people. p. 3.
Results of carrying out the first half of the 1963 state plan for the development of the national economy of the U.S.S.R p 7
Isakov, V. - Several problems in utilizing electronic calculating machines in the national economy. p. 17.
Brianskii, A. - Practice in calculating the expected livestock production. p. 27.
Klopikova, L. - Organization of accounting and reports in the production combines of the Lvov Economic Council. p. 37.
Labok, P. - Sampling study of industrial and construction workers' wages. p. 41.
Budavei, V., Kazinskii, E. - Methods of accelerated amortization in capitalist countries. p 49.
Rotshtein, A. - Coefficient of capital renewal and new products. p. 61.
Sakharova, V. - On the forthcoming census of public health institutions. p. 70.
Rtanzov, N. - "The theory of statistics" by IU. E. Gaabe and others. p 79.
Alkin, G. - New books on statistics and accounting. p. 83.
Statistical problems discussed in newspapers and journals. p. 85.
Moskvin, P. - Conference on the national economic balance of the Union Republics. p. 87.
Natural population movement in the U. S. S. R. p. 91.
Vocational distribution of industrial workers. p. 94.

VOPROSY EKONOMIKI [PROBLEMS OF ECONOMICS] Issued by Institut ekonomiki Akademii nauk SSSR [Institute of Economics of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 8, Aug. 1963.

Table of contents translated:

Economic theory should meet current problems in planning. p. 3.
Economic cooperation and the mutual aid of socialist countries. p. 12
Leont'ev, L. - Economics and the ideological struggle. p. 27.
Khromushin, G. - Anticommunism is the main content of the ideology of imperialism. p. 43.
Kurskii, A. - Progressive proportions and the balance coordination of the national economic plan p. 53.
Karagodov, R - Increasing the stimulating role of profit in industry. p 64
Lisitsian, N. - On improving further the organization and planning of the sources of the formation of working capital. p 76
Korbut, L. - Important problems of agricultural mechanization. p. 89.
Kassinov, L. - Improving prices for basic agricultural products. p. 96.
Belov, D., Bobutybin, V. - Utilizing mathematical methods in the operational planning of the work of automotive transportation p 110
Dodonov, A. - Problems of the theory of amortization. p. 117.
Os'mova, M - New book on the economic problems of developing the world socialist system. p
Telcfus, A - Building the material and technical foundation of socialism in the German Democratic Republic. p 133.
Novikov, V., Timofeev, V - Experimental method for improving and strengthening business accounting in an enterprise. p. 142.
Morozov, V. - Market prices within the collective farm. p 141.
Klinskii, A. - In the Academic Council on the Improvement of the Methods and Indices of National Economic Planning of the Academy of Sciences of the U.S.S.R. p 151
Logvinov, L, Varzin, N, Kashin, V - Economic role of the socialist state during the large-scale building of communism. p. 154.
"A course in economics" in two volumes p 160

No. 9, Sep 1963.

Table of contents translated

Terent'ev, M. - In the effort for a vigorous upsurge in agriculture. p. 3.
Mitoshnichenko, B - Current problems of economic cooperation among the members of the Mutual Economic Assistance Council. p 16.
Karotamm, N - Training significance of a course in the economics of socialism p. 29.
Spiridonova, N. - Business accounting and material stimulation of socialist production. p. 40.
Maevskii, I. - Several factors in speeding up technological progress. p 54.
Bachurin, A., Perevukhin, A. - Profit under socialism. p. 65
Vinogradov, K. - Economic efficiency of production, standardization, unification and specialization p 78.
Kantorer, S. - Technological progress in construction. p. 86
Estrina, A - Problems in selling agricultural machinery to collective farms. p. 96.
Ol'shevich, IU. - New maneuvers of the bourgeois critics of the labor theory of value p 103.
Mashbits, IA. - Developing the planned economy in Cuba. p 120.
Khairullin, A., Samigullin, A. - Comprehensive analysis of the economics of the petroleum industry p. 123.
Shagin, A. - From the practice of the Ural volume staffed bureaus for establishing technical standards p. 127.
Liando, A. - Methodology for preparing the plan of financial balance of a Union Republic. p. 136.
Vainshtein, B. - Criterion of economic efficiency p. 136.
Lukinov, I - State purchasing prices and supply quality p. 141
Ishchenko, I. - Economic research on development of productive forces of the Ukrainian S. S. R.
Faminskii, I. - Research work in the Economic Faculty of the Moscow University. p. 150.
Fomin, V., Perevedentsev, V. - New developments in coordinating research in the economics of the eastern regions. p. 153.
Bulash, M - In the branch of the academic institutes staffed with volunteers. p. 156.
Perel'man, M. - Prominent party member and statesman. p. 158.

c. FINANCE

DEN'GI I KREDIT [MONEY AND CREDIT]. Publ
Gosudarstvennyi bank SSSR [U.S.S.R. State B
Moscow, vol. 21, no. 8, Aug. 1963.

Table of contents translated

Important frontier of the struggle for communism p. 3.
Ushakov, V. - Give more attention to the problem of financing capital construction. p. 8.
Zlobin, I. - The law of currency circulation and the building of communism. p. 17.
Bondarenko, V. - State Bank's role in developing Kazakhstan economy. p. 25.
Vergun, S. - Soviet firms in operation. p. 31
Dronov, F. - Introduction of new machinery and credit. p 36.

Develop the communist attitude toward work.

B 5c-5d Dubenchuk, A. - Savings banks workers are competing. p.43
Agasian, V. - Our achievements in the effort for communist labor. p.45.
Appeal of Kazan Special Accounting and Credit School collective of teachers, students, and administrative and managerial workers to all collectives of special accounting and credit schools of the State Bank of the U.S.S.R. p.47.
Nikolaichuk, S., Khmel'nitskaia, S., Rubchinskii, I. - Progressive work practice p.49.

Economic work of State Bank branches:
Nebera, P., Gordeev, I. - Joint control practice. p.55.
Grol'man, E., Zaiel'skaia, I. - Bureau of economic analysis. p.58.
Tiurin, I. - Our practice p.60.

Work of main State Bank branches:
Perminov, L. - The main branch and summing up a business year on collective farms p.62.
Vlasenko, I. - Work organization with collective farms in the main branch p.63.
Andrianov, M., Gal'perin, I. - Mechanize the evening receiving and payment operations. p.66.
Collective farm payments for replenishing indivisible funds. p.68.

Our readers' letters. p.71.
Ponamarev, V. - Development of the banking systems in the countries of the former French West Africa p.77.
Brief information on foreign exchange and banks abroad. p.85.
Melkhanik, S. - How the Bolsheviks took possession of the credit system. p.89.
In the Board of Directors of the State Bank of the U.S.S.R. p.93.
In the Board of Directors of the State Bank of the U.S.S.R. and the Central Committee of the Trade Union of Government Workers. p.94.
Bookshelf. p.95.

FINANSY SSSR [FINANCE OF THE U.S.S.R.]. Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U.S.S.R.]. Moscow, vol.37, no.6, June 1963.

Table of contents translated:

Garbuzov, V. - New tasks of financial organs at the present stage. p.3.
Dementsev, V. - Exercise more initiative and persistence in the effort to carry out the state revenue plan. p.18.
Sosin, I. - Planning and the organization of carrying out local budgets under the new conditions. p.28.
Gofman, G. - Observe strictly the practice of economy and strengthen business accounting in the wholesale trade. p.34.
Rodionova, V. - Ways to reduce the cost of construction on state farms. p.41
Surovyi, L., TSybul'ko, M. - Differentiation of income tax from collective farms. p.48.
Magelinkas, K. - Reduce expenditures for the construction of temporary buildings and structures. p.53.

Financial organs under the new conditions:
Totskii, I. - Problems which should be solved p.56.
Uzhvenko, M. - Consolidate the revenue part of rural budgets. p.57.
Pikovets, P. - We are improving control over the operations of agricultural enterprises. p.59
Timoshenko, I. - Potentials of the enterprises of Moldavia. p.61
Nebera, P., Gordeev, I. - Common tasks and common efforts. p.66.

Khalitov, S., Varfolomeev, P. - Financial organs' control over the consumer service industries. p.68.
Poliakov, N. - Put the potentials of production in operation. p.72.
Kugukov, L., Bocharov, M. - Causes of unprofitableness on stock-fattening state farms and state delivery offices. p.76.
Konopel'ko, I. - Losses from the bad storage of vegetables. p.78.

Public participation is the support of financial organs:
Ipatov, P. - From the practice of budget commissions. p.79.
Shilov, N. - We are drawing the participation of the activist group. p.83.
Gershberg, I. - Our corrections. p.83.
Gol'dshtein, IA. - Volunteer commissions for intradepartmental control. p.84.

Replies to the editor. p.85.
Smirnov, A. - Interesting monograph. p.86.
New books. p.90.
In the Collegium of the Ministry of Finance of the U.S.S.R. p.92.

Vol.37, no.8, Aug. 1963.

Table of contents translated:

Editorial: For the strictest economy in the expenditure of national funds. p.3.
Sitnin, V. - Account more fully for potentials in the draft budget for 1964 - 1965. p.8.
Potentials of large-scale chemistry:
Vlasov, A. - Eliminate deficiencies in planning and construction p.15.
Raiskina, M. - Use equipment to a full capacity. p.20
Toktonaliev, A. - Significant date. p.24.
Guzhkov, I., Masal'skaia, N., Riumin, S. - Financial planning in the industry of the members of the Mutual Economic Assistance Council. p.30.

For economy and thrift:
Peristneva, D. - Improve the efficiency of capital investments. p.38.
Rogov, T. - A way to reduce costs. p.41.
Kichaev, A. - Utilize capital assets to a better advantage. p.43
Farmanov, A. - What are the contributing factors of losses. p.46.
Koren'kov, I. - We are striving to improve qualitative indices. p.49.
Krasnolobov, A. - In the effort to increase accumulations. p.51.
Araslanov, K. - Potentials of the paper factories of Kirov Province. p.55
Pinishko, V. - Working capital is utilized badly p.59.
Financial organs under the new conditions:
Ul'ianov, V. - We are mobilizing a supplementary income. p.62.
Vol'pin, M. - What did the audit show? p.64.
Demchenkov, V. - First results. p.68
Karatnev, P. - Miscalculations in planning. p.72
Lysov, B., Sorokin, N. - Efficiency is the main thing. p.74.
Stepanov, A. - When there is no real control. p.78.
Grinchenko, N. - Consolidate the revenue base of local budgets. p.80.
Titov, K., Kozhukh, S. - Participation of volunteers helps. p.81.
Novoselov, I. - Economic council at work. p.83.
Danov, K. - Organization of bank control over capital investments in the People's Republic of Bulgaria. p.85.

Gioeva, K., Stepanova, Z. - Omissions and deficiencies of a practical aid. p.91.
In the Academic Council of the Research Institute of Finance. p.94.

d. LABOR

RABOTNITSA I SIALIANKA [THE WOMAN WORKER AND THE PEASANT WOMAN]. Issued by TSentral'ny Kamitet Komunistychnae partyi Belarusi [Central Committee of the Communist Party of White Russia]. Minsk, vol.39, no.6, June 1963.

Table of contents translated:

It is better to cover our planet with flowers. p.1.
Smirnova, I. - Communist labor. p.3.
Antanina Miakshyla. - The most important sector. p.5.
Astreika, A. - Skylarks will sing again. p.6.
Shautsou, P. - On the road. p.7.
Tychyna, M. - She lost her child during the war. p.8.
Panamarou, V. - Old friends have met again. p.8.
Zhyhotski, Mikola. - One more page. p.10.
Kavaliuk, Auhinnia. - You should love; verse. p.11.
Zhura, M. - Industrious work. p.11.
Elahina, A. - Sometimes it's our own fault. p.14.

Kaplia, R. - New motion pictures. p.14.
Lukashenka, Viktar. - To see his mother; a story. p.16.
Sapryka, Hanna. - Nastsia; a story. p.18.
"Happiness is near you." Book review. p.19.
Barstok, Maryna. - Fedor Gladkov; on the 80th anniversary of his birth. p.20.
Lidzin, IU. - Jan Matojko; on the 125th anniversary of his birth. p.20.
Chykin, O. - Medicinal plants. p.21.
Uzhvieva, N. - Care of facial skin in the summertime. p.22.
Cookery. p.23.
Useful advice. p.23.
Advice for men. p.24.

Vol.39, no.8, Aug. 1963.

Table of contents translated:

Us, Aliaksandra. - The voice of mothers from all over the world. p.2 of cover.
A congress of peace and friendship. p.3.
Kireichyk, Ivan. - Light-blue skies over the Goryn'. p.4.
Poliak, IU. - The right track. p.6.
TSypis, N. - You aren't forgotten, little boys and girls! p.7.
Karpachou, Ed. - She gives her heart to other people. p.8.
Bencivenni, F. - A mother's crime; a story. Translated from the Italian. p.10.

Vol'ski, Vitali. - Belovezhskaya Pushcha. p.12.
Smirnova, I. - If you come to a "service bureau." p.14.
Harbuk, Visaryon. - "Ulechka's morning; a story. p.16.
Kaplia, R. - New motion pictures. p.16.
Dulevich, A. - A disgraceful attitude toward his own mother. p.17.
Dress fashionably! p.18.
Mits'ko, L. - You shouldn't trust quacks. p.18.
Vasilevich, Alena. - A human being should be human p.20.
Nikanchyk, O.K. - On the threshold of maturity. p.2
Useful advice. p.22.
Cookery. p.23.

SOTSIALISTICHESKII TRUD [SOCIALIST LABOR]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po voprosam truda i zarabotnoi platy [State Committee of the Council of Ministers of the U.S.S.R. on Labor and Wage Problems]. Moscow, vol.8, no.6, June 1963.

Table of contents translated

Krest'ianinov, V. - Standard bearers of the communist labor movement. p.3
Gorianov, I. - Important contribution to the theory and practice of the building of communism. p.10.
Ganduin, I. - Schedule which makes workers' labor easier. p.20.
Vainshtein, L., Luk'ianov, V., Kachanov, IA. - Discussion of the White Russian experiment. p.26
Gordeev, A. - Proved by life. p.35.
Elizarov, N. - Our practice and several deductions. p.40.
Kanev, G., Kharitonov, P. - Better work is rewarded by higher wages. p.44.
Vorotennikov, V. - Material self-interest and reduce the waste. p.47.
Shteinpress, N. - Unsettled problems in issuing bonuses to the workers of design and planning organizations. p.50.
Petrochenko, P., Kuznetsova, K. - Vital problems of scientific labor organization. p.52.
Razumov, I. - Production needs an engineer-administrator. p.61
Luk'ianov, M., Tereshchenko, N. - For better labor organization in subsidiary operations. p.69.
Veinberg, A. - Comprehensive mechanization and labor organization in the peat industry of the Latvian S.S.R. p.74.
Raguzov, V. - Supply the Far East with a permanent labor force. p.77.
Bogidzhanov, M., Pivovarov, IA. - Firms are introducing electronic calculating machines. p.81.
Kuznetsov, I. - Enterprises exchange information. p.88.
More products with less labor expenditure. p.90.
Sorokin, M. - Workers' initiative and norms. p.93.
Rozhkova, V. - Improve methods for determining the time expended per unit of production. p.99.
Baram, Kh. - Current problems in establishing norms for the mechanized field work in agriculture. p.105.
Vainzof, A., and others. - Norms for the number of workers. p.113.
Solivanova, G., Aleksandrova, Z. - Establishing work norms in printing shops. p.120.
IUsufovich, B. - Creating time norms for metal smelting. p.124.
Experience, advice and suggestions. p.126.

Babaeva, E., and others. - Physical education period for assembly-line workers. p.132.
Aliev, Kh., and others. - Wage and classification manual for workers engaged in the offshore petroleum production. p.133.
From the editor's mail. p.135.
Follow up of our materials. p.137.
IArkho, A. - Soviet legislation on juvenile labor. p.139.
Kalinin, A. - Supplementary leave and shorter workday in hazardous occupations. p.145.
In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the All-Union Central Council of Trade Unions. p.152.
Conference on norms research work in the petroleum and gas industry. p.152.
Survey of labor legislation. p.154.
Letenko, V. - Universal reference book for economists. p.156.
New books. p.159.

SOVETSKIE PROFSOIUZY [SOVIET TRADE UNIONS]. Issued by Vsesoiuznyi TSentral'nyi Sovet Professional'nykh Soiuzov [All-Union Central Council of Trade Unions]. Moscow, vol.19, no.13(271), July 1963.

Table of contents translated:

Heroes' exploit is the exploit of the nation. p.1.
Editorial: Trade-union committee of a production administration. p.2.
Egorova, A. - Inexhaustible source of our strength, on the 60th anniversary of the Second Congress of the Russian Social Democratic Party. p.4.
Podel'shchikov, G. - Innovators' initiative and the economy. p.6.
Train fighters. p.9.
Aleksandrovich, V. - Production norm center staffed with volunteers... p.12.
Plotnikov, G. - School on a farm. p.14.
Bakadorov, P. - The committee has many cares. p.16.
Il'in, I. - For the table of city dwellers. p.16.
Sorokina, G. - Raising children is our common concern. p.18.

Klimov, E. - A volunteer lecturer is on the tribune. p.20.
Pavlova, L. - The workman is studying. p 24
Lukachev, R. - With the collective's efforts p 26
Shkaraputa, A., Shargorodskii, M - The bus has started the route p.27.
Fedorovich, L - Account to one's conscience p.29.
Kruglikov, V. - Anna Andreevna's second profession. p.30.
Letters from the editor. p 32.
Matsepuro, Vl. - Spask-Demensk schemers. p.32.
Rachuk, I. - Nothing can compare with motion pictures! p.34
Readers suggest, advise and criticize. p.36.
Glorious traditions of the Bulgarian textile workers. p.38.
Gonzales, A. - The fighting spirits of working Spain. p.39.
Kornilov, IU. - In the land of people scorched by the sun p 40.
Notes on books. p.43.
Korotkov, V. - To young specialists. p 44.
Replies to our readers. p 47.

Vol. 19, no. 14(272), July 1963
Table of contents translated:
Editorial Communist ideology is our weapon. p.1.
Cherednichenko, E. - Reach every man! p.3.
Shchekatunov, N. - Our pride and honor. p.6.
Makhotin, E. - School, plant and vocation. p.8.
Pletnev, P. - Plant-institutions of higher learning and their future. p.11.
Kovalev, N. - Introduce books to every family. p.12.
Kutakov, V. - Inspired work is the first commandment. p.16.
Aslanian, A. - Activists find production potentials. p.19.
Polynin, V. - Stories about the worker's honor. p.22.
Ivanov, V., Morozhkov, S. - Two approaches to an important matter. p.24.
Babikov, IU. - Let us have dinner in Anikhovka... p.27.
Mikhailova, V., Belogorov, M. - In conflict with the law. p.28.
Readers relate, advise and criticize. p.30.
Van'iat, IU. - Spartakiada of sixty millions. p.32.
Pastukhov, E. - Severodonetsk is a city of athletes. p.34.
Laletin, A. - On the start, athletes! p.35.
Makoviev, A. - Your friend, the wall newspaper. p.37.
Gratifying changes. p.39.
Kurdiumov, N. - Awakened volcano. p.40.
Garetovskii, N. - Issuing bonuses for the manufacture of high-quality goods. p.43.
Replies to our readers. p.45.
Notes on books. p.46.
Letters from the editor. p.47.
Chess. p.48.

e. SOCIOLOGY

AZĔRBAĬCHAN GADYNY [AZERBAIJAN WOMAN]. Issued by TSentral'nyi Komitet Kommunisticheskoi Partii Azerbaidzhana [Central Committee of the Communist Party of Azerbaijan]. Baku, no. 6, Aug. 1963. [In Azerbaijani]

KAZACH'IA ZHIZN' [COSSACK LIFE]. Issued by Vtoroi otdel Kazach'e-amerikanskogo narodnogo soiuza [Second Division of the Cossack American National Alliance, Inc.]. Providence, R. I., vol. 11, nos. 121-122, 124, Mar.-Apr., June 1963.

KAZAKSTAN ŸIELDERI [KAZAKHSTAN WOMAN]. Alma-Ata, no. 6, Aug. 1963. [In Kazakh]

KOMSOMOL'SKAIA ZHIZN' [LIFE OF COMMUNIST YOUTH]. Issued by TSentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 13, July 1963.
Table of contents translated:
Zhukov, V., Glyzina, V. - Our Valia. p.1.
Introducing high cultural standards into the work and life of villages; how eight staff workers of a committee the Communist Youth League succeeded in uniting nine thousand members. p.4.
Smirnov, V. - There are still dependents. p.8.
Margolin, E. - We shall go on a raid. p.10.
Loginova, N., Ivanov, V. - The salesman's smile... and his good name. p.13.
Timofeev, M. - We will not let our fathers' banner fall. p.18.
Lutsenko, N. - It started in this way... p.19.
Laskina, L., Lutsiv, A. - Joy should always win. p.21.
Sheredenko, F. - A full hour and a half. p 23.
Chertkov, K. - A meeting of atheists. p.24.
Soldiers' letters. p.25.
Likhanov, A. - Be friends with poets! p.27.
Merkur'ev, G. - The "Day of Family Happiness." p.29.
Pulatov, K. - Initiative plus a raid. p.30.
Kulikov, A. - Club of friends of art. p.31.

No. 15/16, Aug. 1963.
Table of contents translated.
Resolution of the Third Plenum of the Central Committee of the Communist Youth League. Results of the June Plenum of the Central Committee of the CPSU on the "Urgent tasks of ideological party work" and the role of Communist Youth League organizations in the education of Soviet Youth at the present stage of the building of communism. p.1.
Educate convinced and steadfast fighters for communism! Story of the Third Plenum of the Central Committee of the Communist Youth League. p.9.
Watching over the crops. p.42.
Derlubin, N. - Reorganization does not mean a mere change of sign. p.44.
IUrov, A. - From the office to the fields and farms. p.47.
Kaparov, M. - Learning by correspondence. p.48
Popov, IU. - From the machine to the sport grounds. p.49.
Berezovskaia, F. - A man was saved! p 52.
Popov, G. - Antennas side by side with crosses. p.54.
Ivanov, V. - The children in our courtyard p.57.
Arkhipov, B., Rubliakh, V. - Green light for young divers. p.59.
Korneeva, I. - Changes in the registration rules of the Communist Youth League. p.61.

KYRGYZSTAN AIALDARY [KIRGHIZISTAN WOMAN]. Frunze, vol. 13, no. 8(112), Aug. 1963. [In Kirghiz]

NASH SVIT OUR WORLD. Published by "Self-reliance," an Association of American Ukrainians, and the Ukrainian Economic Advisory Assoc., Inc. New York, vol. 5(15), no. 3(113), Mar. 1963.

NASHE ZHYTTIA. OUR LIFE. Issued by Soiuz ukrainok Ameryky [Ukrainian National Women's League of America, Inc.]. Philadelphia, vol. 20, no. 5, May 1963.

PADOMJU LATVIJAS SIEVIETE [WOMAN OF SOVIET LATVIA]. Issued by Latvijas Komunistiskas partijas Centrala Komiteja [Central Committee of the Communist Party of Latvia]. Riga, no. 9(133), Sep. 1963. [In Latvian]

RADIANS'KA ZHINKA [SOVIET WOMAN]. Issued by Ukrains'ka respublikans'ka rada profesiinykh spilok and Spilka radians'kykh pys'mennykiv Ukrainy [Ukrainian Republic Council of Trade Unions and the Association of Soviet Writers of the Ukraine]. Kiev, vol. 18, no. 9(213), Sep. 1963.

RUSSKII VESTNIK. RUSSIAN HERALD. Published by Russian Consolidated Mutual Aid Society of America. New York, no. 315, May-June 1963.

SOVET TURKMENISTANYNYŇ AIALLARY [SOVIET TURKMENISTAN WOMAN]. Organ of TsK KP Turkmenistana [Central Committee of the Communist Party of Turkmenistan]. Ashkhabad, nos. 7(121)-8(122), July-Aug. 1963. [In Turkmen]

TARYBINE MOTERIS [SOVIET WOMAN]. Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, no. 9(141), Sep. 1963. [In Lithuanian]

UKRAINS'KE TSENTRAL'NE DOPOMOHOVE OB"IEDNANNIA V AVSTRII. Biuleten' [UKRAINIAN CENTRAL RELIEF ASSOCIATION IN AUSTRIA. Bulletin]. Salzburg, no. 1/2, May-June 1963.

ZHENSHCHINY MIRA [WOMEN OF THE WHOLE WORLD]. Issued by Mezhdunarodnaia demokraticheskaia federatsiia zhenshchin [Women's International Democratic Federation]. Berlin, no. 4, 1963.
Table of contents translated:
Cotton, Eugenia. - Peace, disarmament, and peaceful coexistence. p.4.
News from everywhere. p.4.
Letters to the editor. p.6.
Kernicke, Wolfgang. - The documen[illegible] p.8
Uratsuyi, Atsuko. - Peace is indispensable for real happiness of children [illegible] p.9
Muret, Charlotte. - The wo[illegible] p.10.
Dulaimi, Nazeeha. - Terro[illegible]
Jasovich, Rosa. - Peasant[illegible]
Zsigmondi, Maria. - Magda[illegible] searcher. p.20.
Bannister, Sallie. - Canber[illegible] peace. p.22.
Stefi Baksa Soos. - The Ch[illegible]
Lebedeva, Z. A. - Work be[illegible] to Soviet women. p.24.
Sulami. - Happiness to whi[illegible] girls. p.28.
First anniversary of Helen[illegible]
Milhaud, Marianne. - Ma[illegible] Steinbeck's "The grapes[illegible]
Our books. p.33.
Greeting the forthcoming W[illegible] p.33.
The national costumes of India. p.34.
Our contest photo. p 35

No. 5, 1963.
Table of contents translate[illegible]
May Day. p.4.
News from everywhere. p 4.
Letters to the editor. p.5
Jakob, Colette - "To use the pen like[illegible] motto of Dymphna Cusack. p.6.
Kazakova, Irina. - Welcome to Mosco[illegible] with Elena Prosvetova. p 9.
Lefort, Rachel. - The war of buttons, [illegible] produced by Yves Robert p.14.
Stefi Baksa Soos. - "Women for peace, [illegible] and friendship among peoples." p.1[illegible]
Wurmser, Andre. - Two giants; parall[illegible] U.S.A. and U.S.S.R. pp. 20, 34.
King, Carol. - They are fighting for th[illegible] South Africa. p.21.
Fashion. p.25.
Beyer, Warner. - Richard Wagner. p[illegible]
Chakravarity, Renu. - The happiness t[illegible] entitled, for the first time in India th[illegible] the giving and receiving of a dowry.
Echevarria, Carmen. - United in the s[illegible] liberation, peace, progress and hap[illegible]
Chernenko, Ekaterina. - Symbol of pea[illegible]
Greeting the forthcoming World Congre[illegible] p 34.
Our contest photo. p.35

ZMINA [THE YOUNGER GENERATION]. TSentral'nyi komitet Lenins'koho komu[illegible] soiuzu molodi Ukrainy [Central Commi[illegible] Ukrainian Communist Youth League of [illegible] no. 9(126), Sep. 1963.

6. POLITICAL SCIENCE

AGITATOR [AGITATOR]. Issued by TSen[illegible] tet Kommunisticheskoi partii Sovetskog[illegible] [Central Committee of the Communist[illegible] Soviet Union]. Moscow, no. 12, June 1[illegible]
Table of contents translate[illegible]
Editorial: Persuasion by Lenin's metho[illegible]
Gazaliev, M. - The most important co[illegible] economic development. p.7.
Moskovskii, P. - "The Russian mirac[illegible]
A quotation... p.14.
For the sake of peace and happiness on[illegible] eve of the World Congress of Wome[illegible]
Beshchev, B. - The steel ronds of our [illegible] All-Union Railroad Employees' Day
Millions of strong and trained youngste[illegible] Union Soviet Physical Culture. p.2[illegible]
Krolikovskii, Werner. - In the new air[illegible]
Ivan'kovich, N. - Day by day attention [illegible] to the education of youth. p.29.
Kugaevskii, N. - In the "1020" steel p[illegible]
Kiselev, P. - Visual and accessible.
Kozharskaia, V. - Reaching every citi[illegible]
Tarabukin, N. - They found their plac[illegible] of communism. p.41.
Erokhin, A. - A great scientist's view [illegible] lem of God." p.43.
Pozhidaev, IU. - By the way of techno[illegible]
p.45.
Riumin, S. - Gains and profitableness [illegible] enterprise. p.48.
Filipchenko, IA. - The Baikovo Chem[illegible] p.52.
Blazhko, A. - Appreciable contributio[illegible]
Letters, information, comments. p.5[illegible]
Nikitin, Petr. - A life that incites yo[illegible] p.58.
How the work of a fellow workers' cou[illegible] p.61.
Koniaev, R. - Mechanics of an "avera[illegible]
Dictionary of winged and foreign words

CHASOVOI [THE SENTRY]. Organ of Rus[illegible] allegiance duzhovia [Russian National M[illegible]

B 6 Arkatov, IU - Struggle for peace and prospects for the socialist revolution p.53
Thriftiness is the unshakable principle of communist society. p.63.

Chadaev, IA - Planning of the national economy and orienting it toward the most promising branches of industry. p 70.
Fgorov, A. - Creative method of socialist and communist art. p 79.
Tolchenova, N. - Motion pictures and real life p 94
Lisavtsev, E - How the workers of a factory struggle against surviving traces of the past. p.102
Economy of militarism and "revanchism" p 110
Hemi, Ernst - Neo-Nazism and its schemes p 118
Ogurtsov, S - Assemblage of traitors and renegades. p 124.
Danilov, B - For a close cooperation of innovators p.126.

KOMMUNIST [COMMUNIST]. Organ of the Central Committee of the Communist Party of Kirghizia. Frunze, vol.37, no.9, Sep 1963. [In Kirghiz]

KOMMUNIST ESTONII [COMMUNIST OF ESTONIA] Issued by TsK Kompartii Estonii [Central Committee of the Communist Party of Estonia] Tallinn, vol 19, no.9, Sep 1963.

KOMMUNIST UKRAINY [COMMUNIST OF THE UKRAINE] Issued by TSentral'nyi Komitet Kommunisticheskoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine] Kiev, vol.36, no.6, June 1963.

Table of contents translated
Editorial. Let us disseminate progressive experience among many millions of toilers. p.2.
Ivashchenko, O. - Soviet women are the tireless builders of communism. p.10.
Turchantinov, N - Remarkable contribution to the treasure house of Marxism-Leninism. p.21.
Tkachenko, N. - We struggle for the right to be called "a collective farm of communist labor." p.31.
Selivanenko, A. - The European "Common Market" is a tool of monopolies in their struggle for the new partition of the world market. p.38
Oleinik, A - Our mass political work should be well-planned and effective p.46.
Malanchuk, V. - A party organization's contacts with the creative intelligentsia p 52
Golovskii, F. - The CPSU is the party of the whole Soviet nation. p.59
Orlov, V. - International significance of the historical experience of the party of Lenin p.67.
The 22d Congress of the Communist Party of the Soviet Union, the new program of our party. p.76
What can we learn from the history of the CPSU. p.83.
Kalita, N., Shapovalov, N - Important source for lowering the production costs of the steel industry. p.87.
Gavriliuk, A. - A very effective form of atheistic education. p 91
Butsko, N - Trying years. p.94.

KOMMUNIST UZBEKISTANA [COMMUNIST OF UZBEKISTAN]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol.35, no.6, June 1963.

Table of contents translated:
Editorial: Give constant attention to the ideological education of the managerial personnel of governmental agencies and the higher officials of the party. p.3.
Davydov, A. - Rapid development of agriculture is a problem of national importance. p.11.
Kalinkin, P. - Development and specialization of heavy industry in the Central Asian Economic Region. p.21.
Platonov, V., Disanski, S. - All farms should study the progressive methods of over-all mechanization. p.29.
Khusanov, M. - We should try to develop the material self-interest of collective farmers. p.30.
Dzeventskii, G. - More attention to the reclamation of alkali lands. p.45.
Rustamov, T. - Books are our friends and advisers. p.51.
Ergashev, I. - Our experience in struggling against religious superstitions. p.59.
Dmitriev, V., Nil'sen, V. - Problems of style and ideology in architecture. p.66.
Dukhanin, G. - We rely upon the masses and activists. p.73.
Popadiuk, K. - National income and its distribution. p.79.
Khasanov, K. - An outstanding leader of the Communist Party and the Soviet state. p.86.
Mikhailidis, N. - Born of the October Revolution. p.88.
Zhdanov, G., Nazemnov, V. - A book on the collective work of the leaders of the Communist Party. p.93.

KOMUNIST UKRAINY [COMMUNIST OF THE UKRAINE] Issued by TSentral'nyi Komitet Komunistychnoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol.39, no.9, Sep, 1963 [In Ukrainian]

LENINIAN UGIOV [LENIN'S WAY]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Armenii [Central Committee of the Communist Party of Armenia]. Erivan, vol. 12, no.9, Sep. 1963 [In Armenian]

MOLODOI KOMMUNIST [THE YOUNG COMMUNIST] Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin] Moscow, no.9, Sep 1962.

Table of contents translated:
We storm the sky p.3.
Mel'numov, T - Communists are building a road into space. p.6
Kuznetsov, D, Spasskii, O. - "Sputnik" at the Festival p 12
Sterin, V. - Red precepts. p 21.
Kochetkov, A. - It is not in vain that all Russia remembers. p 28
Shatunov, G - Faithful to the sacred duty p.36.
Elkin, B., and others. - The Leningrad "Smena" as our guest p 44.
Khabarov, S - The ninth harvest in the Virgin Territory p.54.
Lysenko, O - Wheat, stronger than frost. p.58.
Potapkov, IA - Courses in political science. p.61.
Golub', E. - The most important aspect of socialist competition. p 67
Ermakov, I. - Toward the victory of communist labor. p.71.
Gudilin, E. - A paper in orbit p.76.
Lavrova, K, Gogolev, V. - The clothes do not allow for growth. p 84
Aksanov, K. - The pass was issued by the Moscow City Committee p.87.
Miskii, M., and others. - Letters to the editor p 90
Konlakhin, L. - Legal advice. p.94.
Merkulov, Andrei. - Veterans of a dream and immortality p 95
Buniakov, P - A fearless soldier of the revolution. p.101.
Il'in, V. - "Secret" of the God Jehovah p 108.
Renke, Marian - What youth can do for the country. p.115
Garkusha, IU. - The truth of life. p.120.
Grigor'ev, I. - "Our contemporary," p.123
Molchanova, A. - Petty aesthetics. p.124
A follow-up of our interventions p.126.

No.7, July 1963.
Table of contents translated
Reliable weapon. p.3.
Bykovskii, Valerii. - Be ready to perform a daring feat! p.8.
Tereshkova, Valentina. - Great unity. p.10.
Secretary of the party organization. - Steps into outer space. p.12.
Dronov IU. - A man from Krasnaya Presnya. p.16.
Chirkov B. - "A sky-blue balloon is rolling and bouncing," p.23.
Dedov A. - In 1963. p.27.
Zheleznov B. - A textbook of heroic deeds. p.34.
Fomenko L. - A heart which contains the whole world. p.41.
Soldatenko I. - The most important problem. p.48.
Bakhmet'eva S. - A commissar of peaceful times. p.54.
Priadko Vl. - This is "TOM." p.58.
Kulikova L. - If the party needs my life.... p.60.
Cherepanov L. - Three seconds for thinking it over. p.67.
Kotliarov IU. - News story from the "future cities" of our land. p.71.
Staroverov V. - Generator of the "Krasnaya zvezda" State Farm. p.77.
Ivanov K. - "Retirement" of the logarithmic slide rule. p.82.
Muranov A. - The name isn't too important. p.84.
Kostina T. - Foreman Volod'ka and the "Jack." p.87.
Feofanov IU. - "Innocent" start and tragic finish. p.93.
Rukhovich S. - Herr Karwein's dead "canards." p.97.
Golubovskii V., Kon'kova S. - The "country of 500 islands." p.103.
Tan Nguyen Minh. - A letter from South Vietnam. p.108.
TSybin V. - Maiakovskii is on our side. p.112.
Spasskii O. - Where is your Beatrice? p.117.
Pentiukhova N. - A talk on life. p.124.
Gubanov I. - "How glad Vladimir Il'ich would be." p.127.

No.8, Aug. 1963.
Table of contents translated:
Martynov, V. - There is such a party! p.3.
Chigrinets, M. - "The Russian miracle." p.12
Kuz'min, I. - Be proud of yourself, worker! p.16.
Gusev, G., Miroshnichenko, N. - Soul searchers. p.23.
Aprelian, Z - Party principles are a compass. p.32
Krasov, A - The most interesting policy p.36
Mashin, IU. - Honor of the sports pennant p.42.
Psurtsev, N. - For millions of readers. p.46.
L'vov, B - Morning at a shock brigade construction project p.52.
Rogatin, B - "Open" account. p.58
Restless life, unsettled life p.60.
Kostina, T. - Cigarette lighter. p.67
Razumnevich, Vl - Family matters p.70
Khelemendik, V. - The "unyielding." p.76.
Marchik, G - Demagogue. p.78.
Uzhova, G - Who is an educator? p.81
Matsuk, V - People go to the city p.86.
Kudriavtseva, L. - Why the "Flame" damned? p.94.
Titarenko, Vladimir. - Shame p.95
Popel', N. - Collapse of the "Citadel" p.99.
Gegeshidze, Z - In the struggle for freedom p.101
Tartakovskii, B - A famous son of the German nation. p.102
Suziumov, E - An ice epic. p.103.
Maslennikov, V. - As seen by foreign sailors p.104.
Kachugin, E. - Communists and youth p.106.
Kiselev, M. - Attending the congress of our friends p.111.
Kulik, S. - In the country of "eternal spring" p.115.
Rakovskii, F - Criminality school p.119.
Konstantinov, G. - For whom the "Eclipse" shines? p.122
Razorenova, A. - Let there always be a sky p.126.
Lebedev, P. - People about religion p.129

MOSCOW. Ispolnitel'nyi komitet. Biulleten' [Executive Committee Bulletin]. No. 15(525), Aug. 1963.

MUNICH. RADIO LIBERATION TSentral'nyi issledovatel'skii otdel. Spravochnik [Central Research Section. Manual]. No. 70, 1963

NOVOE VREMIA [NEW TIMES]. Moscow, vol 21, no.31(949), Aug. 1963.

Table of contents translated
Editorial Party of the new age. p 1
Let's go further p.2.
Sovremennik. - Revolutionary spirit, true and false. p.4.
Trofimova, I - Man extends the limits of the possible. p 6.
Useful agreement an interview. p 8.
Grigor'iants, A. - A bad mid-ocean climate, correspondence from Bonn p.9
Zorin, Val. - On the road to the White House. p.11.
Derida, Josip. - What we expect of the International Trade and Development Conference. p.15.
Listov, V. - Swastika diplomats. p.17.
Rozen, V. - Most beautiful, best and varied motion pictures. p 18.
International notes. p.21.
People and events. Francois Fonm-Tamuso. p.22.
Izukov, Boris. - London and its fog. p.23
Brandt, A. - Tragedy on the banks of the Tagus River. p.26.
Gonionskii, S. - The weight of the past, a book review. p.29.
Brief news on international events. p.32.
Supplement Documents. p.33.
The Nuclear Test-Ban Treaty. p.35.
Activities of the Mutual Economic Assistance Council. p 39.

Vol.21, no.34(952), Aug. 1963.
Table of contents translated:
Our commentaries p.1.
Bon voyage! p.1.
The work must be kept up. p 2.
Sovremennik. - The international communist movement and Peking. p.3.
Zhilin, IUrii, Zagladin, Vadim. - Life in Yugoslavia. p.6.
Sidenko, V. - The Brazaville alarm bell. p.8
Kiselev, E. - A city on the Danube. p.10.
Zaslavskii, D. - Two in one phaeton; a feuilleton. p.12.
Miskii, G. - Troubled times in Syria. p.13.
Petrov, I. - Labor movement Eight million strikers. p.15.
Manolis Glezos in the editor's office of "Novoe vremia." p.16.
Arkad'ev, N. - Racialism and colonialism on trial. p.18.
Krasnopol'skii, V. - Prospects of Soviet-American trade. p.20
International notes. p.23.
Lockwood, Rupert. - Atomic storm in the "Dangerous Archipelago." p.25.
People and events. Veli Merikoski. p.27.
Manners of the "free world": Thoughts of a Briton. p.28.
Antonov, A. - Who rules Sweden?, a book review. p.29.
Brief news on international events. p.32

Vol. 21, no 35(953), Aug 1963
Table of contents translated·
Sovremennik - China and the atomic bomb p. 1.
Zhilin, IU., Zagladin, V. - Yugoslavs and the Soviet Union. p. 3.
Habib, Sami - Discussion in Lebanon, a letter from Beirut p 6.
IUdin, IU. - American business world and the treaty. p. 7
Our commentaries The tragedy of South Vietnam. p. 10.
Teplinskii, B - General de Gaulle's "nuclear grandeur." p. 11.
People and events· Jose Ancizan Lopez, Lawrence Shankey, Richard Dixon, Dominique Urbany. pp. 13, 23, 27.
Bodnar, Artur. - Poland and the Mutual Economic Assistance Council p. 14.
Popov, IU. - Labor movement. Changes in the trade union payment in Africa. p. 16
Grigulevich, I. - The cultural revolution in Cuba p. 19.
International notes. p. 21.
Leroy, Paul. - The world's biggest city p. 24.
Manners of the "free world", The nudes on Sylt Island. p. 28.
Leont'ev, B. - A scientist argues with an astrologer, a book review. p. 29.
Brown rush in Australia, scanning the world press. p. 31.

Vol. 21, no. 36(954), Sep. 1963
Table of contents translated.
Our commentaries. p. 1.
Mitskii, Z. - There, where the Burgas commune was. p. 4.
Bochkarev, IU. - Washington's Indochina chimeras p. 6.
Sovremennik. - Biting on the bit . p. 8.
Zvezdin, Z. - Some problems of the economy of North Vietnam. p. 10.
People and events Salim Nadjib Haidar Arturo Humberto Illia, John Lyng. pp. 11, 31.
Freeman, Harry. - They can't be stopped. p 12
Grigor'eva, E. - The Bonn peacebreakers. p. 14.
Zilliacus, Konni. - What the British think about the policy of the United States. p. 16.
Readers' comments The world's biggest city My opinion on the attitude of China. p. 17.
Andreev, L. - The political crisis in Norway. p. 18.
International notes p. 20.
Mazurenko, S. - Summer in Teheran. p. 23.
Rachkov, V. - Oil and the western blocs, economic notes. p. 26.
Vishnevskii, S. - Manners of the "free world"; The sick city. p. 28
Povinskii, L. - Journey into a new Utopia; a book review. p. 29.
Brief news on international events. p. 32

PARTIIA TURMUSHI [PARTY LIFE]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan], Tashkent, no. 0, Sep, 1963. [In Uzbek]

PARTIINAIA ZHIZN' [PARTY LIFE]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, no. 16, Aug. 1963.
Table of contents translated·
Editorial: The most important task of the leadership in agriculture. p. 3.
Ovezov, B. - For the large-scale development of chemistry. p. 6.
Dovgopol, V. - Work with the industrial labor force p. 14.
Babenko, V. - Based on the practice of the best p. 20.
Arshinov, D. - The most important concern of the party organizers. p. 24.
Smirnov, I. - Consolidate the economy of the weaker collective farms. p. 28.
Aid to the secretary of a party organization· The party organization of a research institute p 32
Answering questions. p. 39.
How materials should be prepared for deposition in the archives. p. 39.
Investigation of the personal affairs of a communist p. 39.
Ivanov, P. - Why did they cancel the meeting? p 42.
Where can you study? p. 43.
Cherepanov, V. - Embellishing life. p. 51.
Fomenko, IA. - I am very glad. . . p 54.
Khorkhorin, A. - Communist prospectors p. 61.
Agarkov, V. - The first but important step p. 65.
Bolchev, Boris. - Public participation. p 70
Stukalin, B. - New agricultural magazines. p. 75.
Recently published. p 76.
Answers to unpublished letters. p 79.
Party news. p. 79.

No. 17, Sep 1963.
Table of contents translated
Editorial: The unity of word and deed. p. 3.
Kisanov, V. - Fraternal cooperation augments the forces of socialism. p 8.
Akhundov, V - Labor training. p. 15.
Podorov, G. - Organize a stable work force p. 22.
Lukash, A - Economic education in industrial plants. p. 27.
Denisov, G. - The profitability of the state farm is growing. p. 32
"Production should be abundant and inexpensive", comments on V. Svetlichnyi and V. Pervitskii's article p. 36.
Wages according to crop yield p. 36.
Platnitskii, P - Contractual relations should be employed in collective farm production. p. 39.
From those who build machines. p. 40
Marchenko, T. - Concrete and operational p. 46.
Rasporkin, T. - Efficient mass control. p. 46
Menshikov, A. - To the detriment of production p. 50.
Answers to questions. Report and election meetings p. 51.
Divisheeva, B. - With united effort. p. 53.
Bel'skii, K - Utilize skillfully the power of the community. p. 56.
Korshunov, I. - The rate of germination. p. 62.
Loughlan, William. - The source of our development. p. 70.
Denisenko, M , Sholchakov, M. - The victorious end of the war. p. 73
Pay more attention to rural party committees p. 77.
Party news. p 79.

PARTIINAIA ZHIZN' [PARTY LIFE]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol 6, no. 7, July 1963.
Table of contents translated
Current tasks of ideological party work. Resolution of the Plenum of the Central Committee of the CPSU based on the report of Comrade L. F. Il'ichev, Secretary of the Central Committee of the CPSU, adopted on June 21, 1963. p. 3.
Appeal of the Central Committee of the CPSU, Presidium of the Supreme Soviet of the U.S.S.R., and the Government of the Soviet Union to the Communist Party and peoples of the Soviet Union, peoples and governments of all countries, and all progressive mankind. p. 17.
Salutation of the Central Committee of the CPSU, Presidium of the Supreme Soviet of the U.S.S.R. and the Council of Ministers of the U.S.S.R. to scientists, constructors, engineers, technicians and workers, all collective groups and organizations, which participated in the realization of the extended joint flight of the astronauts on space ships "Vostok 5" and "Vostok 6", Soviet astronauts Comrade Valerii Fedorovich Bykovskii and Comrade Valentina Vladimirovna Tereshkova. p. 19.
Kamalov, U. - Public participation in ideological education. p. 21.
Malykhin, F. - Widen the propaganda of economic studies. p. 24.
Knipov, B. - Motion pictures and audiences. p. 29.
Akhmedov, S. - Develop people's sense of beauty. p. 34.
Nazdzhigitov, R - A glorious path. p. 37.
Nurutdinov, S. - Widen the scope of the communist labor movement. p. 43.
Magzumov, B. - In the name of Soviet people's health. p. 49.
Motseev, A. - Handle workers' letters and complaints tactfully. p. 53.
Makhmudov, K. - Think about what is most important. p. 57.
Tazhimuratov, T. - Contribution of the Aral Sea fishermen. p. 60.
Kabulov, N. - Initiators of efficient work. p. 64.
Kurbanov, R. - Militant helpers. p. 65.
Anarbaev, T. - Toward a new goal. p. 68.
Khodzhaev, R. - By personal example. p. 69.
Ostrinkov, IU. - The people's eye is vigilant. . p. 71.
Kalandarov, I. - Swindlers should be exposed. p. 74.
Akhrarov, I. - Protecting government interests. p. 75.
Uralbaev, N. - An egg and meat factory. p. 77.
Podkolzina, M. - Inspector and party organizer. p. 80.
Kiutov, P. - Concealing adherence to principles. p. 81.
Aliev, A., Nazirov, Kh. - Captain of the "Blue Ship." p. 85.
Solov'ova, N. - Aunt Shura, the brigade leader. p. 89.
Discover and support the new. p. 92.
New books. p. 94.
Party news. p. 95.
"When the sense of responsibility is missing." p. 96.

PARTIINAIA ZHIZN' KAZAKHSTANA [PARTY LIFE OF KAZAKHSTAN]. Issued by TSentral'nyi Komitet KP Kazakhstana [Central Committee of the Communist Party of Kazakhstan]. Alma-Ata, vol. 33, no. 4, Apr. 1963.
Table of contents translated:
Il'ich is forever alive. p. 3.
Anov, N. - Tale about a great man. p. 5.
Zhubanova, G. - Inexhaustible source of p. 8
Tel'zhanov, K - The bliss of creation
Inkushin, M. - According to the plan of formation p 11
Timofeev, V - Bequeathed by Lenin p
Tugleva, A - Efficient and operative in way p 20
Kolebaev, A - High zeal of industry
Shnaidman, L. - Dedicate your life to t ant matters. p. 29.
Izotov, A - Konstantin Fokistov, secre party committee. p. 33.
Nikitin, I. - Criteria of party principle
Bakanov, Kh. - The duty of a communist
Ponomarev, V. - The inspectors took o
Zaitsev, I. - Helpers of the party p 4
Peskov, G. - First notes. p. 48.
Abdrakhmanov, Kh. - Daily guidance of for communist labor. p 51
Zadorozhnyi, G. - Teacher! What a wor p 55.
Mukhtarov, A - The first Marxist organ Kazakhstan p 58.
Slavin, L. - Mighty tools of the building nism p. 62.
Parkhomenko, V. - In the midst of life.
Pinshevskii, IU. - To finish the journey keep on walking. p 70.
Nalivaiko, F. - The new wins. p. 73
Party news. p. 77
From the pages of party magazines. p

Vol 33, no. 7, July 1963
Table of contents translated
Current tasks of ideological party work, of the Plenum of the Central Committe CPSU based on the report of L. F. Il'i tary of the Central Committee of the June 21, 1963. p 3
Marxism-Leninism is our banner and we tool, N. S Khrushchev's speech at the the Central Committee of the CPSU J p 15.
All ideological work must be organized way. p. 44.
Dzhamagaliev, D., Petukhova, G. - A gl tieth anniversary p. 49
Zhangel'din, T , Baishin, A. - Triumph ideas of communism. p. 55.
Fishchuk, V. - Maturity examination p
Stepankov, A. - There is a lot of importa be done. p. 63.
Abuov, G. - The large-scale chemistry p. 66.
Dzhusupova, O - Art and mode of life.
Shitikova, I. - Should an agriculturist al ture? p 73.
Ganzha, V. - A descendent of Marka-Kud p 75
Zaikin, A. - Under the banner of freedom ism. p 76.

Vol. 33, no 8, Aug. 1963
Table of contents translated
Editorial The great decade. p. 3
Barmakov, S. - Use various methods and stantly with people. p. 8.
Sokolova, E. - The core of ideological w
Iushin, A. - Based on work and merit.
Cherniak, V. - Atheistic propaganda is p. 21.
Adibaev, Kh. - The great duty of an artis
Konstantinov, P. - Lenin's ideas on the of the people. p. 31.
Zemlianov, P. - The grain of the Ural M gion. p. 37
Modestov, S , Murzagaliev, G. - Concer on the second virgin lands. p. 40.
Odiashvili, B , Polner, L. - Party orga struggle for technological progress.
Mukhin, O - Even the Volga beginning a p. 48.
Lagovoi, G. - Relying on the masses.
Isachenko, G. - Helpers as well as contr In the committees of party-government
Ashimbaev, T. - Problems concerning t ment of the machinery industry in Kaz p. 61.
Ismukhamedov, A. - Government interes first. p. 68.
Gabdirov, I., Berdibaev, R. - Portraits nists in Soviet Kazakh literature. p.
Kozybaev, M., Savos'ko, V. - A problem further investigation. p. 76.
Sarsenbaev, A. - Consequences of superf p. 79.

PROBLEMY MIRA I SOTSIALIZMA [PROBL PEACE AND SOCIALISM]. Prague, vol Oct. 1963.

RUSSIA (1917- R. S. F. S. R.) Verkhovnyi mostI [Supreme Soviet. Gazette]. Mosc nos. 36(258), 38(260), Sep. 1963.

RUSSIA (1923- U. S. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]. Moscow, vol 26, nos. 40(1179)-42(1181), Oct. 1963.

RUSSKOE DELO RUSSIAN CAUSE. Issued by Predstavitel'stvo rossiiskikh emigrantov v Amerike [Russian Immigrants' Representative Association in America]. New York, vol. 5, no 6(54), June 1963.

SOTSIALISTICHESKII VESTNIK THE SOCIALIST COURIER Organ of Rossiiskaia sotsial-demokraticheskaia rabochaia partiia [Russian Social Democratic Workers' Party]. New York, vol. 43, no. 1/2(773-774), Jan. - Feb. 1963.

UCHENYE ZAPISKI KAFEDR OBSHCHESTVENNYKH NAUK VUZOV G. LENINGRADA, Istoriia KPSS [STUDIES BY THE DEPARTMENTS OF SOCIAL SCIENCES OF LENINGRAD INSTITUTIONS OF HIGHER EDUCATION, History of the Communist Party of the Soviet Union]. Leningrad, no. 4, 1963.

Table of contents translated

IUrago, M.I - Scientific principles of the program of the CPSU p. 3.

Abramov, E.A. - The 22d Congress of the CPSU on establishment of the economic and technical foundation of communism. p. 15.

Rivlin, M.I. - Some problems concerning the advance of Soviet villages toward communism. p. 35.

Vakhanskii, E.M. - How the new program of the CPSU develops V.I. Lenin's principle of the sovereignty of the people. p. 61.

Soboleva, M.A. - Increased role of trade unions in the administration of government-owned enterprises. p. 90.

Gel, IU.P. - Fraternal cooperation of the Soviet peoples in the establishment of the economic and technical foundation of communism. p. 108.

Koval'chuk, M.A. - V.I. Lenin's doctrine of peaceful coexistence is the basic principle of the foreign policy of the CPSU and the Soviet state. p. 135.

Grigor'ev, K.K. - The CPSU and the international communist movement. p. 155.

Berg, D.S. - How the CPSU struggled for the consolidation and development of friendly cooperation among socialist countries, 1956-1961. p 177.

Kletskii, L.R. - How the Soviet Union has helped the countries of Asia and Africa in the development of their cultures. p. 204.

Pozdniakov, O.A., Chernetsovskii, IU.M. - Review of some studies of Leningrad historians published in 1961-1962. p. 223.

Burmistrova, T IU. - Valuable study. p. 230.

Kats, N.I. - A new book on Saint Petersburg workers. p. 233.

Shkaratan, O.I. - History of socialist competition in Leningrad. p. 238.

VISNYK. THE HERALD. Organ of Organizatsiia oborony chotyr'okh svobid Ukrainy [Organization for Defense of the Four Freedoms for the Ukraine, Inc.]. New York, vol. 17, no. 4(173), Apr. 1963.

VOLIA [FREEDOM]. Organ of Narodno-trudovoi soiuz rossiiskikh solidaristov [National Workingmen's Association of Russian Solidarists]. Frankfurt/Main, vol. 3, nos. 15-17, Mar., May, July 1963.

VOPROSY ISTORII KPSS [PROBLEMS OF THE HISTORY OF THE COMMUNIST PARTY OF THE SOVIET UNION]. Organ of Institut marksizma-leninizma pri TsK KPSS [Institute of Marxism-Leninism, Attached to the Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 7, no. 8, Aug. 1963.

Table of contents translated.

New phase in the ideological work of our party. p. 3.

Kozlov, G.A. - Effective implementation of the Leninist principles of party and governmental control. p. 16.

Efimov, V.P. - A road of great achievements; on the tenth anniversary of the plenary session of the Central Committee of the CPSU in September 1953. p. 28.

Miasnikov, A.S. - Leninist principle of party spirit in literature and art. p. 41.

Zhukov, E.M. - V.I. Lenin and the revolutionary movement in the East. p. 54.

Mrachkovskaia, I.M. - Subject matter of the second part of V.I. Lenin's work "Who are these 'friends of the people' and why they struggle with the Social Democrats." p. 65.

In memory of a fighter; John Reed's notes on Karl Liebknecht. p. 79.

Kats, N.I. - V.I. Lenin as a library reader in the Academy of Sciences. p. 86.

Fedorov, V.G. - Fourty-five years of the struggle for the cause of Finnish workers. p. 91.

Koniushaia, R.P. - A theoretician of Marxism. p. 95.

Konstantinov, A.P. - Worker and Bolshevik; on the 80th anniversary of I.D. Chugurin's birth. p. 97.

Kashchevskaia, E.I. - Prepaid medical care plan for the workers of the Putilov Plant. p. 100.

Petropavlovskii, E.S. - Illegal leaflets as a source for the prerevolutionary history of the CPSU. p. 105.

Shakhnazarova, K.V. - On the path to the Third Congress of the Russian Social Democratic Party, a review of the Documentary materials of the "Bureau of Majority Committees" in the Central Archives of the Communist Party. p. 112.

Kol'tsov, P.S. - Leninist principles of Soviet foreign policy. p. 121.

Vladimirov, M.A. - A potent means for the intensification of the building of communism. p. 124.

Derenkovskii, G.M., Kaplun, S.S., Kir'ianov, IU.I. - V.I. Lenin and the Bolshevik organization in the city of Ekaterinoslav. p. 128.

Moskalev, M.A., Kubantseva, M.A. - New book on the Bolshevik underground in the Crimea p. 132.

Mosentsev, V.A. - A writer of impassionate social and political works. p. 134

Annotations. p. 137.

Articles on the history of communist parties published in foreign periodicals. p. 142.

Source materials and articles on the history of the CPSU and the international communist and labor movement published in June 1963 in periodicals, bulletins, and scholarly serials. p. 144.

The 60th anniversary of the Second Congress of the CPSU. p. 150.

Shornikov, M.M. - A conference in Novosibirsk. p. 152.

Medianik, A.V. - A theoretical conference in Donetsk Province. p. 153.

Brief news. p. 157.

Vol. 7, no. 9, Sep. 1963.

Table of contents translated:

Frolov, K.M. - Creative development of the Marxist-Leninist theory of the building of socialism and communism. p. 3.

Krivitskii, E.A. - A Leninist approach to the problems of literature and art. p. 15.

Kostin, A.F. - Pioneers of Marxism in Russia. p. 22.

Berlina, Z.N., Gorbunova, N.T. - The Treaty of Brest-Litovsk and the local organizations of the Communist Party. p. 38.

Sarkisov, A.A. - V.I. Lenin and the problems of irrigation in Azerbaijan. p. 48.

Norlund, Ib. - Some problems concerning the international role of the historical experience of the CPSU. p. 58.

Abramov, K.I., Kuz'ko, V.A. - V.I. Lenin and the G.A. Kuklin Library in Geneva. p. 69.

Elizarov, P.P. - Mark Timofeevich Elizarov, a friend and associate of V.I. Lenin. p. 71.

Danishevskii, I.M., and others. - Faithful son of the Communist Party; on the 75th anniversary of V.P. Zatonskii's birth. p. 74.

From the early history of our party; materials concerning the organizations of the Russian Social Democrats on the eve of the Second Congress of the Russian Social Democratic Party. p. 77.

Tikhanov, A.IA., Tkacheva, M.IA. - Underground Bolshevik newspapers and periodicals during the First World War. p. 87.

Trofimov, K.S. - A review of sources for the history of the Communist International and its historiography. p. 90.

Antkeev, V.V. - Some new data on the history of the October Revolution. p. 99.

Kuznetsov, B.P. - V.I. Lenin's notebooks on the agrarian problem; on the publication of the fourth edition of volume 40 of V.I. Lenin's works. p. 107.

Matsulenko, V.A. - Great victory of the Soviet people and their Armed Forces. p. 111.

Vasil'ev, S. - Unfading image of our great leader. p. 116.

Sherstiuk, A.F. - Impassionate call to struggle for democracy. p. 120.

Silenko, A.F. - Soldier of the revolution. p. 124.

Limonov, F.K., Man'kovskaia, I.L., Surovtseva, G.A. - A book on clandestine printing plants in Russia. p. 127.

Gorbunov, E.P. - How bourgeois historians distort the problem of the speed of socialist industrialization in the U.S.S.R. p. 129.

Annotations. p. 135.

Articles on the history of communist parties published in foreign periodicals. p. 140.

Source materials and articles on the history of the CPSU and the international communist and labor movement published in July 1963 in periodicals, bulletins, and scholarly serials. p. 143.

Savinchenko, N.V., Levykin, K.G. - Special courses for students of the Department of the History of the CPSU of the Faculty of History of Moscow University. p. 149.

Iskrov, M.V. - In the Scientific Council of the Institute of Marxism Leninism. p. 153.

Vasil'ev, I.V. - A conference of the personnel of party archives in the central part of the R.S.F.S.R. p. 156.

Brief news. p. 158.

7. LAW

LENINGRAD, TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MORSKOGO FLOTA Informatsionnyi sbornik [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE MERCHANT MARINE. Information Bulletin]. No. 56, 1960. Morskoe pravo i praktika [Maritime Law and Practice], no. 11.

Table of contents translated:

Rez, R.S. - Some problems concerning the distribution of salvage awards. p. 3.

Egorov, L.M. - Some shortcomings in legal regulation of the direct railroad and water transportation of lumber. p. 7.

Kolodkin, A.L. - Agencies for the investigation of marine accidents in foreign countries. p. 11.

Vorokhobskii, A.IA. - Procedure in the investigation of marine accidents in England and the German Federal Republic. p. 18.

Maksimadzhi, M.I. - Liability for careless pilotage according to English law. p. 24.

Statutes of the International Sea and River Arbitration Commission in Gdynia. p. 31.

Norway, the code of maritime law adopted in 1893. p. 42.

Decisions of Soviet courts and arbitration agencies. p. 54.

Decisions of English courts and arbitration agencies. p. 56.

Decisions of U.S. courts and arbitration agencies. p. 57.

Decisions of Danish courts and arbitration agencies. p. 58.

Polish bills of lading in the direct railroad and water transportation of goods. p. 61.

RU[illegible]

Moscow, vol. 7, no. 2, 1963.

Table of contents translated.

Leading role of the CPSU in the development of the Soviet state and law. p. 3.

Korolev, A.I., Mushkin, A.E. - The state and power. p. 15.

Rianzhin, V.A. - Correlation of normative and programmatic principles in the Soviet Constitution. p. 27.

Petrishcheva, G.I. - Legal problems of the rental of equipment. p. 40.

Matveev, G.K. - Direct and indirect injury. p. 51.

Karinskii, S.S. - Participation of trade unions in the regulation of wages. p. 59.

Gintsburg, L.IA. - Some problems of labor law in the light of the decisions of the 22d Congress of the CPSU. p. 70.

Syrodoev, N.A. - Legal regulation of the compulsory acquisition of landed property for public and communal purposes. p. 83.

Sergievskii, V.A. - Soviet criminology. p. 94.

Gorelik, A.S. - Objective grounds for and the limits of criminal responsibility for the results of criminal omission. p. 102.

Malokotin, L.S. - How the agencies of state arbitration establish the new legal rules which regulate the settlement of accounts. p. 112.

Chekanov, V.IA. - Documents as a source of evidence. p. 121.

Gol'diner, V.D. - M.E. Saltykov-Shchedrin and prerevolutionary justice. p. 129.

Shchetinin, B.V. - Subject matter of constitutional law. p. 139.

Malinin, S.A. - Legal characteristics of the principle of disarmament. p. 149.

Ceterchi, Ioah. - A reform of agricultural administration in the Rumanian People's Republic. p. 153.

Zeider, N.B. - "The 22d Congress of the CPSU and the problems of law and the state." p. 156.

Moroleva, K.A. - "Bourgeois federalism" by G.V. Aleksandrenko. p. 165.

Mel'nik, E.F. - "Lectures on the basic principles of civil law" by S.N. Landkof. p. 168.

Kalandadze, A.M. - "Studies on the present-day agricultural laws of capitalist countries" by L.I. Dembo. p. 170.

Pinchuk, V.I. - "Responsibility for not helping someone in danger according to Soviet criminal law" by I.I. Gorelik. p. 174.

Osipova, V.F. - "Bibliography of Soviet criminal law, 1917-1960." p. 175.

Avdeenko, N.I., and others. - "Examination of conflicts and claims in state arbitration agencies" by R.F. Kallistratova. p. 177.

Dobrovol'skaia, T.N., and others. - Organization of Soviet courts and the offices of public prosecution" by A.L. Rivlin. p. 179.

Blishchenko, I.P. - "Problems of the Armed Forces of the United Nations" [in Czech] by V. Kopal. p. 182.

Kolodkin, A.L. - "State Immunity" by M.M. Boguslavskii. p.184

Zhukov, G.P. - Legal problems in the exploration of outer space discussed at the 13th Congress of the International Astronautical Federation. p.186.

P.E. - A theoretical conference at the Faculty of the History of Law of the University of the Far East. p.188.

Gleb Vasil'evich Aleksandrenko, obituary. p.190.

Classified index of articles on legal problems published in the first half of 1962 in the periodicals of the European people's democracies. p.192.

RUSSIA (1923- U.S.S.R.) Verkhovnyi Sud. Biulleten' [Supreme Court. Bulletin]. Moscow, no.3, 1963

Table of contents translated:

Decision No.2 of the plenary session of the Supreme Court of the U.S.S.R. of March 18, 1963 on the "Strict observance of laws in the trial of criminal cases." p.3.

Decision No.3 of the plenary session of the Supreme Court of the U.S.S.R. of March 18, 1963 on "How Soviet courts have carried out the decision of the plenary session of the Supreme Court of the U.S.S.R. of September 12, 1961 on 'Judicial practice in the implementation of laws on the intensified struggle against the persons who shun socially useful work and live the antisocial life of parasites.'" p.10.

Decision No.4 of the plenary session of the Supreme Court of the U.S.S.R. of March 18, 1963 on the "Elimination of shortcomings in the collection of court fees for the trial of civil and criminal cases." p.14.

Decision No.5 of the plenary session of the Supreme Court of the U.S.S.R. of March 18, 1963 on "Judicial practice in the implementation of Article 62 of the 'Basic Principles of the Civil Law of *the U.S.S.R. and the Union Republics.*'" p.16.

Decision No.1 of the plenary session of the Supreme Court of the U.S.S.R. of March 14, 1963 on "Invalidation and amendment of some decisions of the plenary session of the Supreme Court of the U.S.S.R. in civil and criminal cases." p.19.

Decisions of the plenary session of the Supreme Court of the U.S.S.R. in individual cases. p.24.

Rulings of the Judicial Collegium for Criminal Cases of the Supreme Court of the U.S.S.R. p.31.

The 40th anniversary of the Supreme Court of the White Russian S.S.R. p.36.

Shardyko, S. - Forty years of work of the Supreme Court of the White Russian S.S.R. p.37.

Formal meeting devoted to the 40th anniversary of the Supreme Court of the White Russian S.S.R. p.39.

A conference of the chairmen of the judicial collegiums for criminal cases of the supreme courts of the Union Republics. p.40.

From the experience of the councils of people's *assessors.* p.44.

In the supreme courts of the Union Republics. p.46.

No.4, 1963.

Table of contents translated:

Information bulletin on the current plenary session of the Supreme Court of the U.S.S.R. p.3.

Decision No.6 of the Plenum of the Supreme Court of the U.S.S.R. of July 3, 1963 "Judicial practice in juvenile delinquency cases." p.5.

Decision No.7 of the plenary session of the Supreme Court of the U.S.S.R. of July 3, 1963 "Judicial practice in the implementation of laws on responsibility for offenses against the life, health, and good name of regular and voluntary policemen." p.12.

Decision No.8 of the plenary session of the Supreme Court of the U.S.S.R. of July 3, 1963 "Judicial practice in recognition of an individual to be a dangerous recidivist." p.18.

Decision No.9 of the plenary session of the Supreme Court of the U.S.S.R. of July 3, 1963 "Some problems of judicial practice in premeditated murder cases." p.20.

Decision No.10 of the plenary session of the Supreme Court of the U.S.S.R. of July 3, 1963 "Judicial practice in the examination of civil lawsuits on the return of overpaid pensions." p.23.

Decision No.11 of the plenary session of the Supreme Court of the U.S.S.R. of July 3, 1963 "Wrong implementation of Part 5 of Article 23 of the "Basic Principles of the Criminal Law of the U.S.S.R. and the Union Republics" in regard to those individuals who have flagrantly violated the rules of a corrective labor colony and consequently were transferred to a prison." p.25.

Decision No.12 of the plenary session of the Supreme Court of the U.S.S.R. of July 3, 1963 "Determination of the unlawful use of radio-transmitting devices with an intent to perpetrate a criminal offense." p.26.

Decision of the plenary session of the Supreme Court of the U.S.S.R. of June 28, 1963 on invalidation and amendment of some decisions of the previous plenary sessions of the Supreme Court of the U.S.S.R. in civil and criminal cases. p.26.

Salutatory letter to the Supreme Court of the Azerbaijan S.S.R. p.26.

Decisions of the plenary session of the Supreme Court of the U.S.S.R. in individual cases. p.29.

Legislative enactments of the Union Republics. p.36.

Rulings of the Judicial Collegium for Criminal Cases of the Supreme Court of the U.S.S.R. p.37.

Rulings of the Military Collegium of the Supreme Court of the U.S.S.R. p.41.

Trubnikov, P. - Judicial practice in housing conflicts. p.44.

SOTSIALISTICHESKAIA ZAKONNOST' [SOCIALIST LEGALITY]. Organ of Prokuratura SSSR [Attorney General's Office of the U.S.S.R.]. Moscow, vol.40, no.6, June 1963.

Table of contents translated:

Pankratov, A. - Let us teach our public prosecutors and criminal investigators to carry out the increased requirements of the Communist Party. p.3.

Shkolnikov, I., Roshchin, A. - Our experience in the investigation of criminal offenses by a group of criminal investigators. p.12.

Ivanenko, A. - Let us eliminate shortcomings in public prosecutors' supervision of the legality of and sufficient grounds for judicial sentences. p.17.

Belyk, N. - We should strictly enforce Soviet marriage and family laws. p.20.

Koniaev, N. - Some problems relating to liability for work injuries. p.24.

Abramov, N. - Soviet police, public prosecutors, and arbitration agencies should coordinate their struggle against the pilfering of delivered goods. p.28.

Prokhorov, V., Cherdantsev, A. - We should improve our control over the enforcement of Soviet laws. p.32.

Bairyev, K. - Give more attention to the observance of Soviet laws by interfarm enterprises. p.35.

Gorliak, F. - We should raise the qualifications of public prosecutors. p.37.

Estrikov, V., Lantsman, R. - Criminal expertise and the objectives of crime prevention. p.40.

Rasselkin, D. - How to obtain specimens for a comparative examination. p.42.

Buriakov, A. - Placing a minor in the custody of his parents or guardians as a measure to ensure his presence at judicial examination. p.43.

Karneeva, L. - You cannot justify a judicial error. p.46.

Asinovskii, M. - Let us simplify the examination of disputes over remuneration for inventions. p.49.

Krozkin, O. - A controversial question in the execution of judicial decisions. p.50.

Kravets, G., Ioffe, M., Gerasun, A. - Organizing the cooperation of criminal investigators and police officers in the investigation of criminal offenses. p.51.

Novokshonov, I. - Crime prevention is the principal objective of criminal investigators. p.53.

Zila-zade, A., Melkumian, V. - We have intensified our struggle against the unfounded dismissal of workers. p.55.

Khionidi, A. - Role of newspapers in ensuring a strict observance of socialist laws. p.56.

Petrukhin, I. - Committing a suspect or a person charged with an offense to a hospital for medical examination. p.58.

Mitchenko, P. - We should ensure a strict observance of laws on collective farms. p.[illegible]

Kovalenko, I. - Let us lend a he
voluntary assistants of pul

Gorshenin, K. - Important d
tional Association of Demo

Yugoslav lawyers have visite

Grishaev, P. - Let us disprov
against Soviet law. p.66.

Mikolenko, IA. - Who was the
song? p.72.

Volk, Irina. - An author of s
his mind. p.78.

Mikhailov, F. - Criminal inv
directing the examination

"Should we change the proce
protest against executed j
sentences?" p.81.

Vorozheikin, E. - Discussin
fellow workers' courts."

Nestiuzov, I. - You have to
other people. p.85.

Recent legislative enactment

IArkho, A. - Temporary tra
p.87.

In the Office of the Public Pr
p.90.

How public prosecutors supe
Soviet laws. p.91.

IAkovleva, M. - Important p
function of public prosecu
servance of laws. p.94.

Korotenko, V., Nikolaichik,
forensic expertise. p.95

Vol.40, no.7, July 1963

Table of contents translated:

Pavlov, I. - Leading role of the Communist Party in ensuring a strict observance of Soviet laws. p.3.

Zhukov, A. - Let us intensify our struggle against the pilfering of state property. p.10.

Anashkin, G., Kolchin, V. - We shouldn't abate our struggle against the antisocial and parasitic members of our society. p.15.

IAnovskii, IA. - Problems of jurisdiction over labor disputes. p.21.

Orlov, N., Lebedinskii, V. - I.A. Akulov, the first public prosecutor of the U.S.S.R. p.26.

Kilger, A. - More about the various forms of cooperation between public prosecutors and trade unions. p.29.

Larina, T. - Widespread participation of lawyers in community life. p.32.

Andreev, V., Svetlov, A., Rozovskii, B. - Weapons and means of the commission of crimes. p.32.

Mal'shet, V. - Shortened pre-maternity leaves? p.34.

Tonoian, P. - Some gaps in the criminal procedure code of the Georgian *S.S.R.* p.34.

Gladyshev, IU. - How we organized the work of our criminal investigation department. p.35.

Linkhovich, O. - How we disseminate the progressive experience of the best public prosecutors. p.37.

Volkov, A. - Work experience of the 'popular universities of legal science." p.40.

Gavshin, D. - Soviet law study groups on collective farms. p.42.

Sifonov, A., Nezdvetskii, A. - We should reassure these women. p.43.

In the Office of the Public Prosecutor of the U.S.S.R. p.45.

Letters to the editor. p.46.

Bochille, P., Krainshkin, V. - Fatal gunshot. p.48.

Baranova, Z., Sergeev, L. - Investigating the overestimation of the volume and cost of construction work. p.50.

Turchin, D. - An ordinary day. p.54.

Viktorov, D. - The spies were exposed and punished. p.56.

Trofimova, Stella. - Pistol No.2109 to be concluded. p.60.

Géza, Szenasi. - How the public prosecutors of the Hungarian People's Republic ensure a strict observance of socialist laws. p.67.

Hungarian lawyers have visited the Soviet Union. p.73.

Kuchanov, M. - Voluntary policemen lent their *assistance.* p.75.

Popov, I. - Work of the Council of Fellow Workers' Courts. p.76.

Alekseev, N. - Nazi war criminals must be severely punished. p.77.

Recent legislative enactments. p.81.

How public prosecutors supervise the observance of laws. p.85.

Decisions of arbitration agencies. p.88.

Malandin, I. - Conference of the Saratov Law School has discussed the report of the Saratov Province Public Prosecutor. p.89.

Gertsenzon, A. - New study of criminal law. p.90.

Arzumanian, T., Changuli, G. - "Completion of pretrial investigation" by N.A. IAkubovich. p.92.

Our readers discuss the work of our periodical. p.[illegible]

SOVETSKAIA IUSTITSIIA [SOVIET JUSTICE]. Issued Ministerstvo iustitsii and Verkhovnyi Sud RSFSR [Ministry of Justice and the Supreme Court of the R.S.F.S.R.]. Moscow, no.9, May 1963.

Table of contents translated:

Nikitin, K. - In the house of her mother-in-law
7-8a p 24
Utkin, R. - In the "free world." p 24
Decisions of the plenary session of the Supreme Court of the U.S.S.R. p. 26.
Answering our readers' questions. p 30
From the practice of notarial agencies p. 31.
Decisions of arbitration agencies p 32

No. 12, June 1963.
Table of contents translated:
Editorial Education of Soviet citizens is the objective of Soviet justice. p. 1.
Maidanik, L. - Liability for injuries according to the new code of air laws. p. 3.
Murbangalli, IU. - Adoption according to Soviet family law. p. 4.
Petukhov, I. - Perm Province should improve the pretrial investigation of criminal offenses. p. 7.
Some disputes do harm to the Soviet state. p. 9.
Balugin, V., Demin, V. - Recognition of an individual to be an especially dangerous recidivist. p. 11.
Velichkin, K. - Let us improve the guidance of fellow workers' courts p 14.
Vladimirov, I. - Defense of juvenile delinquents. p. 16.
Nizhegorodova, N. - Reparation for loss caused by the pilfering of socialist property. p. 18
Anatol'ev, D. - Voluntary policemen of our industrial plant. p. 20.
Manaev, IU. - Various methods of controlling the behavior of parolees. p. 21.
Moiseev, O. - The struggle for man. p. 22.
Our readers discuss the work of our periodical. p. 23.
Neuman, Alois - Judicial system of the Czechoslovak Socialist Republic. p. 24.
Zagorodnikov, N. - Publication of the official text of the criminal code of the R.S.F.S.R. p. 26.
Panova, E. - "Handbook for women workers; the rights of women according to Soviet law" by M. Rumiantseva, A. Pergament, G. Gromova p 28.
Nalashev, A. - Ann D. Smith is close to the truth. p. 29.
Answering our readers' questions. p. 30.
Decisions of arbitration agencies. p. 31.
From the practice of notarial agencies. p. 31.

No. 14, July 1963.
Table of contents translated:
The 60th anniversary of the Second Congress of the Russian Social Democratic Party. p. 1.
Prusakov, N. - Crime prevention and the office management of Soviet people's courts. p 4
Karavaev, V. - Implementation of rules on the liability of workers and employees p 7.
Vydria, M. - Examination of real evidence and the place of crime in the course of a trial. p. 9.
IAzev, V. - Legal regulation of automotive transportation. p. 11.
Sergeeva, T. - For the proper maintenance and protection of agricultural machinery. p 13.
Litvinov, N. - There should be uniform rules on major construction work on collective farms. p. 15.
Decree of the Presidium of the Supreme Soviet of the U.S.S.R. of May 31, 1963 p. 16.
Baru, M. - Civil law as a complementary source of the regulation of labor relations. p 17.
IAshuvetskii, S. - How a defense counsel should study the case. p. 19.
More about the article "Work of defense lawyers in the protection of copyright." p. 20.
Griboedov, L., Balkov, M. - From the practice of fellow workers's courts. p. 21.
Potiakov, V. - Improve the work of the councils of people's assessors. p. 22.
Gurkov, A. - The accused accuses his accusers p. 23.
Lagovskii, A. - We should amend the parts "d" and "z" of Article 47 of the Labor code of the R.S.F.S.R. p. 25.
Blagotarnyi, E. - A "dissenting opinion." p. 26.
Tarasenko, V., Shakarian, M. - "Theoretical and practical commentaries to the 'Basic Principles of the Civil Procedure of the U.S.S.R. and the Union Republic.'" p. 28
Answering our readers' questions. p. 30.
Sazonenko, T. - It's time to take effective measures. p. 31.
From the practice of arbitration agencies. p. 32

SOVETSKOE GOSUDARSTVO I PRAVO [SOVIET STATE AND LAW]. Organ of Institut gosudarstva i prava Akademii nauk SSSR [Institute of State and Law of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 33, no. 9, Sep. 1963.
Table of contents translated:
Increased influence of the CPSU is an objective law of the development of Soviet society. p. 3.
Kudriavtsev, V.N. - Plenary session of the Central Committee of the CPSU in June 1963 and some problems of the scientific methods of crime prevention. p. 15.
Sergeiko, P.N. - Correlation of law and ethics in the work of Soviet courts. p. 24.
Orlovskii, IU.P. - The Soviet multinational state and organizational and legal problems in the utilization of human resources. p. 32.
Shilapochnikov, A.S. - Problems of a strict enforcement of Soviet laws against social parasites and their condemnation by the Soviet public. p. 42.
Tumanov, V.A. - Real meaning of the "rule of law" slogan p 50
Bogdanov, O.V. - Security of individual states in a disarmed world and international law p 62
Krylova, Z.G. - Improving the legal regulation of industrial procurement p. 72
Perlanovskii, E.P. - The problem of joint inventions and technological innovations. p. 79
Volkov, A.IA. - Role of regional agricultural administrations in the execution of the delivery of farm produce contracts. p. 87.
Kelzerov, N.M. - Some experience in the organization and work of workshop committees p. 91.
Balmakhanov, M.T. - Legislative functions of public-service organizations in the course of their participation in governmental administration. p 94
Korel'skii, V.M. - The nature of legal rules enacted by public-service organizations p 101.
Bilanskii, A.F. - Concept of the "public-service organization" and the principal characteristics of the freedom of association in the Soviet Union. p. 104.
Morozov, O.I., and others. - A study of various reasons and conditions which contribute to juvenile delinquency p. 110
Plekhanov, A.V. - Teaching law to school children is an important means for the prevention of juvenile delinquency p. 117.
Shikunov, V.S. - Preventing the theft of other people's property. p. 120.
Petrov, N. - Problem of the normativeness of legal acts. p. 124.
Kikot', V.A. - Some features of the bourgeois theory of agricultural law. p 134.
Morozlin, V.P. - Legal aspects of the present-day American theories of the principal characteristics of corporations. p. 141.
Baisalov, S.B. - "The 22d Congress of the CPSU and the problems of collective farm and agricultural law." p 145.
Nedbailo, P.E. - A study of legal ways to enforce a strict observance of Soviet socialist laws. p 147
Lazarev, B.M. - "Leninist principle of the participation of workers in governmental administration" by IU.M Korlov. p. 150
Morozov, V.I. - "International law forms of the cooperation of socialist countries." p. 152.
Emtsova, R.S., Mitskevich, A.V. - "The Rumanian People's Republic is a socialist state" [in Rumanian] by Ioan Ceterchi. p 154
Fedor Ivanovich Kozhevnikov's 60th birthday. p 156
New legal studies published in May-June 1963 in the U.S.S.R. p. 157.

VOPROSY KRIMINALISTIKI [PROBLEMS IN CRIMINOLOGY]. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut kriminalistiki Prokuratury SSSR [All-Union Scientific Research Institute of Criminology of the Office of Public Prosecutor of the U.S.S.R.]. Moscow, no. 6/7(21/22), 1962.
Table of contents translated
Rakhunov, R.D. - V.I. Lenin on socialist legality and the objectives of Soviet public prosecutors. p 3
Artsishevskii, G.V. - Concept of "version" in the theory of criminal investigation. p. 15.
Kuldin, V.IA. - Forensic identification as the establishment of identity. p. 25.
Eisman, A.A. - Criteria and forms for using the specialized skill of experts for the establishment of trial evidence during criminal investigation. p 33.
Arutskei, L.E. - Rights, duties, and role of experts in criminal investigation and judicial examination p. 46.
Bozhiev, V.P. - Participation of injured persons in the investigation of criminal offenses. p. 55
Borodin, S.V. - Examining the grounds for the indictment for murder during the preferment of charges. p. 60.
Brainin, M.S. - Principal characteristics of an unprejudiced, detailed, and thorough pretrial investigation of a crime. p. 86.
Petrukhin, I.L. - How criminal investigators and courts evaluate the findings of experts. p. 98.
Ivanov, L.N. - How district public prosecutors study and try to prevent criminal offenses. p 116.
Shind, V.I. - Solution of some problems of crime prevention during the preferment of charges. p. 126.

Shatrov, A.A. - Participation of the Soviet public in the instigation of criminal lawsuits p. 143.
Kuranova, E.D. - Basic methodological principles of the investigation of the different classes of criminal offenses. p. 152.
Mitrichev, S.P. - Some problems in the technical examination of the causes of fires. p. 168.
Makarov, I.V., Kasatkin, B.S. - Criminological and medicolegal characteristics of air pistols and rifles. p. 178.
Selivanov, N.A. - Present-day methods and practices of criminal investigation and prospects for their development (conclusion). p. 189.
Sorokin, V.S. - Discovering the traces of metallization on the objects of real evidence p. 223.
Mikhailovskaia, I.B. - Arrest and preventive detention in American law and in the practice of U.S. pretrial investigation p 229.
Nikolaichik, V.M. - The use of television in police work, a review of foreign literature. p 238
Brief news on the methods of criminal investigation in foreign countries p 244
Matysiak, Cz. - Solution of crimes in the people's democracies p 250
Brief information p 256.
Popov, V.I. - History of Russian pre-revolutionary works on the theory of criminal investigation p 257
Vinberg, A.I. - A useful work on forensic psychiatry p 273
Kulmakov, V.P. - We disagree with the suggested methods of the examination of the place of crime. p. 277
Savitskii, V.M. - Procedural status of the accused during the pretrial investigation p 281
Important objectives of the theory of Soviet legal procedure and criminal investigation. p 285
Current problems in the theory of trial evidence p 290

8. EDUCATION

a. GENERAL

AKADEMIIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. Izvestiia [ACADEMY OF PEDAGOGICAL SCIENCES OF THE R.S.F.S.R. Bulletin]. Moscow, no. 125, 1963
Contents. Ladyzhenskaia, T.A. [Analysis of students' oral speech in grades 5-7] Analiz ustnoi rechi uchashchikhsia V-VII klassov. 132 p.

DOSHKIL'NE VYKHOVANNIA [PRESCHOOL EDUCATION]. Organ of Ministerstvo osvity URSR [Ministry of Education of the Ukrainian S.S.R.] Kiev, vol. 24, no. 6, June 1963.
Table of contents translated.
Let the sun shine on the children of the world. p. 1.
Lukina, IE. - Role of a discussion before literary readings. p. 4.
Lozovs'ka, T., Kostiuk, V. - Children have many good friends p. 10
Drobakha, N. - Looking after animals on a kindergarten lot. p. 12.
Volkova, L., Orlova, H. - Outdoor work in summer. p. 16.
Krut'ko, I. - Sewing in a preparatory group. p. 19.
Oleksandrenko, N. - Teaching children to embroider. p. 22.
Kovalevs'ka, T. - Our garden. p. 24.
Averbakh, R. - Flowers in a garden. p 25.
Tulkovs'ka, I. - Summer rain p. 27
Kovpanenko, T. - Birds as the defenders of cities. p. 28.
Sheiko, M. - Morning callisthenics. p. 31.
Makhova, N. - Organizing the premises and schoolgarden of a collective farm preschool institution. p. 39.
Chornyi, V. - "Little hero." p 42.
Smyrnova, R. - Bibliography of printed games. p. 43.
Conference of our readers. p. 45.
Marushevs'ka, O. - Conference on theory and practice. p. 47.

Vol. 24, no. 7, July 1963.
Table of contents translated:
Preschool institutions should have the continuous attention of the community. p. 1.
Uspens'ka, H. - Inculcating patriotism in children. p. 7.
Borisova, Z. - Duty assignments as a form of children's work activities. p. 12.
Sochyvets', I. - Parents thank them. p. 17.
Noboha, N. - Training children to love nature. p. 19.
Shakh, H. - Little craftsmen. p. 25.
Brazhnyk, Z. - Supervising the work of preparatory group children assigned to a dining room. p. 26
Boiko, H. - Splash, splash, water. p. 30
Mel'nykova, N. - First time in the first grade. p. 31.
Zalevs'kyi, A. - Construction of preschool institutions. p. 34.
Sviders'kyi, V. - Planning and outfitting of preschool institution lots in collective farm villages. p. 36.
Mykolaienko, B. - "Little Olenka." p. 41.
Poznans'kyi, S. - Editor's mail. p. 43.
Halevs'ka, S. - Competition for the best toy. p. 46.
Heiko, H. - Creative activity of a methods group. p. 47.
Mashkivs'ka, M. - Exchanging practical experience with the youngest. p. 47.
Kvitko, O. - Inspectors' seminar. p. 47.

Vol 24, no 9, Sep. 1963
Table of contents translated
To work with new energies! p 1.
Kul'chyts'ka, O. - Development of higher nervous activity in children. p. 4.
Neelaleva, V. - Relation between play and work. p 8.
Shyfrina, L. - Training in honesty and truthfulness p.15.
Tymofeieva, K. - Development of speech in the process of observation and work. p.20
Dehtiarova, N., Ozhagova, A - Training in the habits of cultural conduct p.24.
IEgorova, A. - Personification of favorite fairy tales. p 31
Savel'eva, H. - Methodological aid for collective farm preschool institutions. p.33
Shevchenko, M. - "Buratino" with a wheelbarrow p.35.
Boiko, H. - To the parade p.36.
Holubnychyi, P. - Homeland p.37
Lysych, M. - At a Lenin monument p 38
Hrynenko, H. - Wheat ear. p 39
Zhyl'tsova, O. - Preparatory group children study the pronunciation of sounds p.41.
Savonyk, N. - "Teaching counting in a kindergarten." p.43
Sochyvets', I. - They reach children's hearts. p.14
"Hospital in a zoological garden." p.45.
Makhova, N. - Seminar and practical training for the workers of preschool institutions. p.46.
Korol'kova, A. - Pedagogical lectures in Kharkov Province. p.47

DOSHKOL'NOE VOSPITANIE [PRESCHOOL EDUCATION]. Issued by Ministerstvo prosveshchenila RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, Vol.36, no.6, June 1963
Table of contents translated:
Children are the future of humanity. p.1.
Main trend. p.4
Let's use summer to strengthen children's health p.7.
Zvereva, O. - Comments by a delegate. p.10
Shumilina, A - Working with young teachers. p.11
Libinson, R. - Pioneers as patrons. p.12
Children's clothing and shoes p 14.
Liamina, G. - Special aspects of the development of two-year-old children. p.16.
Demina, E., and others. - We bring tots up in day nurseries and kindergartens. p.20.
Kostyleva, O. - Inculcation of good behavior. p 29.
Borisova, A. - Children's friendships. p.32.
Ivanov, K. - How to teach children expressive reading of poetry. p.35
Karpinskaia, N. - Poetry in children's education. p 37.
Loginov, S. - Let's train every child for work. p 39.
Genov, G. - Shadow theater p.41.
Frolova, O. - A S.Makarenko on the work training of little children. p.45.
Georgiev, L - Development of preinumber quantitative evaluations in children. p.50.
Dybovskaia, G. - The teacher's language should be graphic. p.53.
Merson, P., and others - Discussion goes on. p.58
Petrova, E. - Teacher and mother. p.69
For a young mother. p.74.
Rybina, E. - Common cause. p.75.
Shabkhi, Z. - Let children have the best. p.76.
Mikhailov, A. - They do not forget their kindergarten. p.78.
Nekhliudova, A - We observe nature together with children. p 79.
Bychkovskii, V. - Harmony and henbane, poisonous plants. p.64.
Sosnovskii, I. - Amusing animals. p.86.
Leonidova, B. - Nature lover. p.91.
Brailashvili, N. - We need new dolls. p.92.
What should not be. p.94.
Rudneva, S. - Aid for a music teacher. p.95.
Liberman, I. - Skin and hair care. p.102.
N.G. - Inventory. p.104.
Koretskaia, K. - Pedagogics of hate. p.106.
Pakhomova, Z. - Master teachers. p.109.
Skorokhodova, I. - Fairy tales and pictures. p.111.
Blinder, R. - Aesthetic education of children. p.115.
Toropchenova, Z. - Gay evenings. p.120

KUL'TURNO-PROSVETITEL'NAIA RABOTA [CULTURAL AND EDUCATIONAL WORK], Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, vol.24, no.9, Sep. 1963.

LITERATURA PO PEDAGOGICHESKIM NAUKAM I NARODNOMU OBRAZOVANIIU [LITERATURE ON THE PEDAGOGICAL SCIENCES AND PUBLIC EDUCATION], July-Sep., 1962. Issued by Gosudarstvennaia biblioteka po narodnomu obrazovaniiu [State Library of Public Education]. Moscow, no.3, 1963.

NACHAL'NAIA SHKOLA [PRIMARY SCHOOL]. Issued by Ministerstvo prosveshchenila RSFSR [Ministry of Education of the R.S.F.S.R.] Moscow, vol 31, no 7, July 1963
Table of contents translated
Party of all the Soviet people p.3
Nazarova, L.K. - Teaching reading and writing with an individual approach to the previous training of students. p.8
Sukhevich, I.I. - Inculcating the concepts "Work as a basis of life" and "Our Homeland" in first graders. p.17.
Kosareva, A.V. - Planning of reading lessons. p 20
Ignat'ev, V.A - Entertaining means of teaching arithmetic p 24
Zhukovskaia, V.I. - Contact with life during the study of arithmetic. p 28
Kazanskii, A.I - Teaching chronology p 32.
Sitenov, V.A - Calendar of nature and work. p 35.
Parshina, A.A - Calendar of nature and work. p 38.
Zastavskaia, S.G. - Inculcating diligence p.42.
Likhachev, B.T. - Aesthetic concepts in primary school students. p.45.
Shmukhina, V.K. - Means of active leisure p.49
Shepelev, S.P. - Let's be tireless in improving the educational process p 55.
Tortsev, A.N. - Junior Pioneers and Pioneers of a small school p.58.
Belokurov, I.P. - In the Vasil'evshchina school. p.61.
Litvinov, V.V. - V.V.Mainkovskii; on the occasion of his 70th birthday. p.64.
Kartashova, F.IA. - Fascinating prospects are an indispensable prerequisite for the inculcation of group feeling. p.73.
Shmidt, M.IA. - How to work with tables. p.81
Chemodanov, L.A. - School game equipment on history. p.84.
Fedorenko, M.V - Making a model of a weather vane. p.86.
Grotunov, E.K. - Use of clay in classes. p.88.
Zhidkoblinov, M.A. - A book that deserves reprinting. p.89.
Fat'ianov, V. - Publications of the Academy of Pedagogical Sciences of the R.S.F.S.R. in 1963. p 93.
In the Ministry of Education of the R.S.F.S.R. p.96.

Vol. 31, no. 10, Oct. 1963.
Table of contents translated
In anticipation of the great anniversary. p.3.
Labunskaia, G.V. - Training of aesthetic perceptiveness in children. p.7.
Zavalskaia, M.A. - System of the development of students' speech. p.14.
Printupa, G.N. - Lexicological work in reading classes. p.20.
IAshchenko, L.K - Verb-synonyms in reading classes. p.24.
Ageikin, I.A., Vysotskaia, S.M. - Question "Why?" in Russian language classes. p.32
Pimenova, Z.I. - Some forms of work in extracurricular reading classes. p.36.
Utkina, N.G. - Planning the topic "Practical division problems." p.42.
Koppeleva, N.F. - Programmed instruction in elementary schools. p 50
Ivanova, A.S. - Training in work skills and habits. p.58.
Sergodskii, P.I. - Teaching students to portray volume in drawings. p.62.
Toguleva, M.I. - Consultations for parents. p.67.
Lipkina, A.I. - Student memory and its training. p.72.
Pyshkalo, A.M. - Studying geometry in elementary schools. p.80.
Gugin, A.A. - Model planning of physical culture classes in grades 1-4. p.85.
In the Ministry of Education of the R.S.F.S.R. p 89.
V.I. Lenin on training and education. p.90.
Bushkanets, M.G. - Pedagogical views of IA.M. Sverdlov. p.91.
Kukuieva, A.P. - Works of S.T.Shatskii. p.93.
Anashkina, M., Nemollaev, A. - Timely and useful book. p.93.
Kargalov, V.V. - A book on the use of local history material. p.95.

NARODNOE OBRAZOVANIE [PUBLIC EDUCATION]. Issued by Ministerstvo prosveshchenila RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no.6, June 1963.
Table of contents translated:
Ideology is our weapon. p.1.
Demidov, N. - Let's supervise the schools in a new way. p.7.
Konev, V., Rykov, A. - Successful practice. p.11.
Among the best. pp.12,20.
Good initiative and useful activities. p.16.
Markina, A. - In the boarding schools of Rostov Province. p.15.
IAkovlev, N. - Community helps the schools. p.19.
Antonov, N. - Teacher's happiness. p.21.
Reshetnikov, V. - Let's teach our children to study. p.25.
Palamarchuk, V. - Let's have more courage in our search for progress! p.28.
Nerovnykh, V. - L.N.Tolstoi on composition. p.32. В 8а
Enikeev, M. - Activities, purposeful and random p 34
Shibanov, A. - "Differentiation" is not necessary p 39.
Romanenko, A. - Forge of rural personnel p 41.
ISyb, A. - Miraculous compass p.44.
Inquisitive, persistent and diligent. p.52.
Khadaev, V - Training in activeness p.60.
Borisov, N. - Museum of Zola and Aleksandr Kosmodem'ianskii p.65.
Petrov, IU - Let's unlock our hearts... p 69.
Gagarin, IU, and others. - Dear children p 71
Nikolaev, V. - Between two lakes p 74.
Gren, F - Club and camp "Pioneers' friendship." p.80.
Veller, M. - "Forest glades." p.83.
Efros, G - Rural school. p.84.
Sukhatevskii, L. - They will talk. p 87
Ginzburg, M. - And what is he like, our young man? p.88.
Vulin, S. - Creative cooperation p 90
Atutov, P - Schools of Indonesia p.96.
Grigorian, L. - Basis of Soviet state and law. p.103
Borisov, I. - For the inquisitive and those who seek p.105.
Korst, N - For a literature teacher p 107.
Smekalina, O. - Books for the little ones p 108
Shoev, F. - Expectations did not come true. p 109
Skvortsev, IU - Strong defender p 111
Bookshelf p.112.
Nusenbaum, A - A book on Italian schools. p.113.
Read it in the periodicals. p.116.
Very important decision. p.117.
Skatkin, M., Monoszon, E. - Congress of young scholars. p.118.
In the Ministry of Education of the R.S.F.S.R. p.125
Noteworthy dates. p.127.

No 8, Aug. 1963.
Table of contents translated:
Editorial Pedagogical strategy of schools. p.1.
August conferences of teachers. p.8.
Chernikov, A. - Cause of the first priority. p.10.
Krotov, V. - Good care for tots. p 14.
Ivanova, N. - City department of public education and preschool education. p.17.
Evgen'eva, A. - First steps of experimental schools. p.20.
Balaniuk, G. - Pedagogics should take its deserved place in the institutions of higher learning p.23.
Good initiative and useful activities p.25.
Makhmutov, M. - Development of the cognitive activity of students. p.29.
Bazdenkova, A., Ivanov, R - Student knowledge becomes lasting. p.36.
Faizulin, A. - Goal is not far ahead. p.41.
Pomogaiba, V. - Problem of educational laws, principles and rules. p.43.
Slavgorodskaia, T. - From the first grade... p 46.
Korotov, V. - More on the self-government of students. p.47.
Rives, IU. - Return to the ranks. p 50.
Zhil'tsov, P. - Children's clubs. p.60.
Krechetova, E. - Principle's handwriting. p.64.
For the notebook of a principal and the head of a teaching department. p.67.
Bocharova, G. - On the captain's bridge. p.70.
Gordin, I. - Principles of the Pioneer organization. p.75.
Sakulin, D. - Technical means in educational work. p.78.
Babich, A. - Motion pictures help us. p.81.
Mozhaeva, A. - Remarkable means. p.81.
Petevin, V. - Motion pictures in school. p.83.
Ravkin, Z. - Outstanding builder of socialist schools; on the occasion of M.N.Pokrovskii's 95th birthday. p.84.
Alferov, IU. - Seminar in Prague. p.93.
Fedotova, L. - Guard the peace! p.96.
Vasilev, Khristo. - Bulgarian teachers in Lipetsk. p.97.
Rukhovich, S., Shen, S. - Education in Switzerland. p.98.
Kirillov, M. - Notes on education in Japan. p.99.
Nikolaeva, Z., Tarshis, E. - Mathematics in the schools of the United States. p.102.
Brief news. p.104.
Barash, B. - Necessary and valuable aid. p.105.
Bookshelf. pp.107,112.
Protsenko, V. - There is a school commune in the Urals. p.108.
Borisov, I. - To make studying a pleasure. p.110.
Shumeiko, M. - Training in a collective. p.111.
Sashin, B. - Answers to a thousand "whys" and "hows". p.114.
Beskorovainyi, I. - Small children and local history. p.115.
Read it in the periodicals. p.116.
Search and search again.... p.117.
Read this issue of the periodical "Zdorov'e." p.117.
Solov'eva, E. - Seven-year plan in action. p.118.
Romanovskaia, Z. - Conference on didactics. p.120.
Khammatova, N. - Persistently develop the cognitive activity of students. p.123.
Vasil'ev, N., Pomanskii, A. - Mathematical Olympiads. p.125.
Noteworthy dates. p.127.

716-453 O - 64 - 4

NOUKOGUDE KOOL [SOVIET SCHOOL]. Issued by Eesti Noukogude Sotsialistliku Vabariigi Haridusministeerium [Ministry of Education of the Estonian S.S.R.]. Tallinn, no 10, Oct. 1963 [In Estonian]

RADIANS'KA SHKOLA [SOVIET SCHOOL]. Organ of Ministerstvo osvity Ukrains'koi RSR [Ministry of Education of the Ukrainian S.S.R.] Kiev, vol. 42, no. 7, July 1963.

Table of contents translated

Kubrushko, M. M. - Glorious path of struggle and victories p 3.
Kornilov, V. V. - Development of communism and the school. p. 7.
Nizhyns'kyi, M. P. - A page from the past.... p. 12.
Hurevych, L. I - Lenin's concern for children. p. 15.
Zhydelev, M O - Technical trend in general and vocational education. p. 17.
Zil'bershtein, A. I. - Important conditions for the application of knowledge to work p 23
Diudin, O. I., and others. - Compiling programs for teaching machines p. 27.
Teslenko, I. F. - Programming in American schools p. 37.
Kobzar, L. I. - Supervising the agricultural research of students. p 40.
Polchanova, A. F - Oral counting in grades 1-4. p. 45.
Bekker, R. I. - Let's teach children to observe. p. 49.
Antonenko, V. D., Fomushkin, O. I'. - University conducted with school participation p. 52.
Shmorgun, V. F. - More on the training of primary grade teachers. p. 55.
Mel'nyk, M., Omel'chenko, O. - Grading norms in arithmetic. p. 57
IAs', V. - In study and in work. p. 59.
Hrybova, L. - In a class for young Pioneer leaders p. 62.
Kozerio, S. D. - Production norms and grading of students in school workshops p. 66
Stepkan', Z. I. - Measurements and calculations in practical work on mathematics. p. 69.
Dudarenko, T. M. - Use of textbook illustrations in class p. 72.
Lebodev, P. M. - Work training of students in the process of teaching geography. p. 74.
Vinnyk, S. I. - Practice that is worth following. p. 77.
Masnyi, S. M. - Every school should have a mandolin orchestra p. 79.
TSvietkova, Z. M. - Teaching students to read in a foreign language. p. 83.
Pavlov, V V - Life demands. p. 87.
Hospodarchuk, O D., Kapshukov, K. H. - Efficient form of adult education. p. 92.
Sikach, M F. - Frozen grade. p 95.
Stepaniuk, I. H. - We are for a new system of testing and marking students. p 98
Myhilchenko, O. F., Minenko, I. L. - Acquainting students with the new international unit system p. 99.
Bezrodnyi, IE. - National liberation movement in Latin America after the Second World War. p. 102.
In the Ministry of Education of the Ukrainian People's Republic. p. 107.
Bekelova, V. - Second Congress of the Republic-wide Scientific and Pedagogical Association. p. 111.
Meeting with our readers in Ivano-Franko. pp. 112, 3 of cover.

Vol. 42, no. 8, Aug. 1963.

Table of contents translated.

Bondar, A. H. - Let's disseminate the resolutions of the plenum of the Central Committee of the CPSU into school life. p. 3.
Bykova, H. H. - Using the emotional factor in the atheistic training of students. p. 11
Verezub, O. M. - Education does not tolerate cliches. p. 17.
Kylymnyk, M A - Vocational education should have a broad technical basis p. 80.
Stetsiuk, O. M. - Instructive combination of teacher's words and visual aids. p. 84.
Shavlovs'kyi, I. I. - Shevchenko museum in a school. p. 88
Kosiak, O. S. - First results of the work of the province public education department p. 93.
Plyta, V S - Let's give more attention to the schools for mentally handicapped children. p 98.
Khodosov, K O. - Stable means good and lasting p 102.
Vyval'niuk, L. M. - D. O. Grave. p. 104.
Pavlenko, N. M., Sluts'ka, H. S - Use of pictures in reading lessons. p. 106.
Mykhailenko, I - Lights that call to knowledge and work. p 106.
In the Ministry of Education of the Ukrainian S. S. R. p 108.

SEM'IA I SHKOLA [FAMILY AND SCHOOL]. Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.]. Moscow, vol. 18, no. 6, June 1963.

Table of contents translated:

Kononenko, Elena. - In defense of peace and in defense of children p. 1.
Rives, IU. - Let's line up with the Sverdlovsk residents. pp. 2, 16.
Vershinina, G. - My tots. p. 4.
Riplaskaia, M., Shpreregen, G - Important common cause. p. 6.
Poliachek, G. - Road to beauty. p. 8.
Gorodinskaia, Nina. - Notes of a wife and mother (conclusion). p. 10.
Ashri, Aziz. - Two rupees. p. 12.
Efimova, Z. - Secret of our authority. p. 17.
IUrkovskii, V. and V. - School of lies. p. 19
Lange, D. - Interesting lesson. p. 20.
Kazantsev, G., and others. - Editor's mail. p. 21.
Argunova, Nora - Blue sun. p. 29.
IUrin, G. - Father of a family. p. 30.
Repin, IU. - He looks ahead. p. 32.
Godin, L. - Facing tomorrow. p. 32.
For tots. p. 34.
Kiselev, N. - Fellows from "Orel." p. 36.
Music page. p. 38.
Rozen, B. - Small things can have great value. p. 40.
Brief notes on many things. p. 42.
Let's talk about language. p. 43.
Litvinova, N. - Useful and interesting activities. p. 44.
Tiurin, V. - "Reefs" of the blue continent. p. 46.
Zorin, V. - When nothing good can be expected of play.... p. 47.

SHKOLA I PROIZVODSTVO [SCHOOL AND INDUSTRY]. Issued by Ministerstvo prosveshchenila RSFSR po voprosam trudovogo vospitanila politekhnicheskogo i proizvodstvennogo obrazovanila [Ministry of Education of the R.S.F.S.R. on Problems in Labor Training Through the System of Polytechnic and Industrial Education]. Moscow, vol. 7, no. 8, Aug. 1963.

Table of contents translated:

Communist party and work education of youth. p. 2.
Kochemasov, V. I. - Main question p. 6.
Afanasenko, E. I. - Basic trend. p. 7.
Efremov, V. V. - Let's give more attention to the industrial training of students. p. 17.
Dubkovskii, E. G. - Educational practice in Leningrad p. 23.
Minaev, S. M. - Let's regulate training. p. 25.
Timofeeva, G. IA - In the schools of Moscow. p. 26.
Mustafina, F. Kh. - Industrial training in Bashkiria. p. 27.
Saf'lants, I. I. - Students are our reserves. p. 29.
Anufriev, A. A. - Industrial training in Sverdlovsk Province p. 31.
tudents at the Volgograd Tractor
dustrial training in schools of the p. 34.
Organizing industrial training.
ndustrial training at a metallurgical
gent problems of industrial training.
et's give extensive industrial spe- r graduates. p. 40.
Let's create educational equipment p. 41.
Students at a plant p. 42.
Work in a collective is the best
Industrial training needs methodol-
et's study the problems of indus- ore thoroughly. p. 45.
uirements for the organization of p. 48.
Training of modelers. p. 51.
rpose and place of the electric se in secondary schools. p. 55.
Gasanov, G - Hardening a drill. p 60.
Grigor'ev, M. A, Antonov, L. P - Laboratory assignment "Determining the type of lumber." p. 61.
Stepanov, M. S. - Conducting laboratory work. p. 63.
Kaitashov, A. V. - Practice in metalwork. p. 65.
Martynova, O. S - Let's improve the teaching of home economics in schools p. 74.
Kotlinchuk, P. A - "Young technician," a universal machine tool. p. 76.
Statute on training workshops, sections, lines, long walls, and training yards for the industrial training of secondary general school students p 85.
Ginevskii, IA. - Polish research on the increased technical training in Soviet schools p. 89.
Gusakov, A. - Let's train them through work and for work. p. 91.
Noteworthy dates in science and technology. p. 94

SKOLA DA TSKHOVREBA [SCHOOL AND LIFE]. Issued by Ministerstvo prosveshchenila Gruzinskoi SSR [Ministry of Education of the Georgian S. S. R.], Tiflis, vol. 39, no. 6, June 1963. [In Georgian]

SOVET MAKTABI [SOVIET SCHOOL] Organ of Ministerstvo prosveshchenila Uzbekskoi SSR [Ministry of Education of the Uzbek S. S. R.]. Tashkent, no. 8, Aug. 1963. [In Uzbek]

SOVETSKAIA PEDAGOGIKA [SOVIET PEDAGOGY]. Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.]. Moscow, vol. 27, no 6, June 1963.

Table of contents translated

Let's raise the ideological and political training of students to a new level. p. 3.
Kuznetsova, G. L. - In anticipation of the World Congress of Women. p. 12.
Kosova, G. R. - Aesthetics education in history lessons p. 19
Egorov, G. I. - Aesthetics education in a Pioneer troop. p. 25.
Netyl'ko, A. M. - Individual approach in the atheistic training of students. p. 31.
Filippova, A. N. - Studying the students' behavioral level of development. p. 38.
Arkhipov, A. P. - Development of adolescent interest in socially useful work p. 43
Demidov, N. N. - Volgograd student brigades. p. 49.
Zhidelev, M. A., Figanov, I. S. - Content of vocational instruction in secondary schools. p. 55.
Leushina, A. M. - Causes of the failure of first graders in arithmetic. p. 60.
Kobzar', B. S. - Organizing homework in schools with longer hours. p. 77
Vil'keev, D. V. - Using the experience of evening school students in the educational process. p. 84.
Ososkov, A. V. - Moral training of future teachers. p. 90.
Aiskin, I. T. - Teaching practice of students in boarding schools. p. 103.
Enokhovich, A. S. - Natural science and mathematics education in the schools of the Czechoslovak People's Republic. p. 110.
IAzykov, S. M. - Public education in Somalia. p. 120.
Smirnov, A. A. - Fiftieth anniversary of the Institute of Psychology. p. 129.
Bugaevich, I. V. - Synthesis or elimination? p. 142.
Gubanov, I. IU. - One of the progressive forms in the development of secondary schools. p. 145.
Balaniuk, G. I. - "Educational process" by Wincenty Okon. p. 147.
Titkov, P. V. - System of public education in Italy. p. 151.
Fifth conference on theory and practice of the teachers of Tataria. p. 155.
Larina, L. I. - Republic-wide seminar of the propagandists of pedagogical education. p. 156.
Sokolov, E. - Foreign contacts of the Academy of Pedagogical Sciences of the R.S.F.S.R. p. 157.

Vol. 27, no. 7, July 1963.

Table of contents translated:

Let's educate our youth in the spirit of communist ideology. p. 3.
Turning point in the history of the Russian and worldwide revolutionary movement. p. 12.
Erman, L. K. - Work of the Russian Social Democratic Party among rural teachers in the period of the struggle for the creation of the Bolshevik party. p. 18.
Sorin, IU. N. - Attitude toward students at the Second Congress of the Russian Social Democratic Party. p. 29.
Kurbatova, R. A. - Ideological training of the student-members of the Communist Youth League. p. 36.
Goreeva, V. M. - Participation of the Pioneers in planning the work of a detachment and a troop. p. 47.
Stoliarov, IU. S. - Development of technical creativeness in children. p. 52.
Leibengrub, P. S. - First results of teaching the elementary course on the history of the U.S.S.R. in eight-year schools. p. 59.

Osadchuk, L. A. - Connection between instruction and productive work, from the practice of teaching physics in evening schools. p. 67

Tishkevich, Z. M. - Let's know and take into consideration the interests and vital demands of readers. p. 73

Grodzenskaia, N. L. - Aesthetic education of students in singing lessons. p. 80

Zhukova, A. S. - Development of the creative abilities of students in drawing lessons. p. 92

Petrash, IU. G. - Let's expand the scientific and atheistic work in pedagogical institutes. p. 101

Tanghan, S. A. - Problems of public training and education in Algeria. p. 109.

Vana, Josef - Tasks of pedagogical science at the present stage of the development of communism in the Czechoslovak People's Republic. p. 122

Ekgol'm, I. K. - Development of higher education and science in the Polish People's Republic. p. 129.

Mikhalidis, K. IA. - Valuable work of a Greek educator and patriot. p. 137.

Gusarov, E. P. - Manual on the organization of agricultural experimentation. p. 142.

Specialized training in the senior grades of secondary schools with vocational instruction, regulation of the Presidium of the Academy of Pedagogical Sciences of the R. S. F. S. R. of April 17, 1963. p. 144.

All-Russian Congress on the Industrial Training of Urban School Students. p. 145

Shteinberg, A., Vodlanikov, IU. - Regional conference on theory and practice. p. 149.

Interuniversity conference on the methods of teaching foreign languages in the institutions of higher learning. p. 153

Laboratory with community participation. p. 154

Monakhov, N. - Conference on science and practice of student training. p. 154.

Serov, V. - Seminar of the directors of institutes for teacher improvement. p. 156

Klaiin, V., Sokolova, M. - Development of public education in the German Democratic Republic in the light of the decisions of the Sixth Congress of The German Socialist Unity Party. p. 158.

TARYBINE MOKYKLA [SOVIET SCHOOL]. Organ of Lietuvos TSR Svietimo ministerija [Ministry of Education of the Lithuanian S. S. R.]. Vilnius, no. 9, Sep. 1963. [In Lithuanian]

VECHERNIAIA SREDNIAIA SHKOLA [EVENING SECONDARY SCHOOL]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, vol. 6, no. 3, May-June 1963.

Table of contents translated

Suchkov, M. L. - Scientific and technological progress and evening schools. p. 3.

Balov, N. N. - Problems of adult education. p. 7

Antonova, Z. P. - Party work. p. 12.

Kostin, A. P. - Teaching combines. p. 16.

Pojov, A. I. - Youth gets specialized training. p. 19.

Alekseeva, N. D. - Talking about urgent problems. p. 21.

Shamovskaia, I. M. - Let's study, workingman! p. 26.

Antonov, V. F. - Contribution of a pedagogical institute to evening schools. p. 30.

Polozov, N. N. - First results. p. 33.

Vorokhovskii, M. IA. - Work of an inspector methodist of correspondence schools. p. 35.

Chernov, V. D. - Correspondence section in Adamovka village. p. 39.

Dontsova, M. I. - Training of seamen. p. 42

Drezin, I. E. - We need active help. p. 45.

Panesh, Kh. Sh. - Needs of correspondence schools. p. 48.

Babak, T. P. - Working on methods in a school. p. 51.

Boronenkov, A. - Necessary and important. p. 54.

Neumyvakin, N. I. - From heroism of the past to heroism of the present. p. 55.

Vershlovskii, S. G. - Let's work in the new way! p. 57.

Kovalevskii, V. F. - Socially useful work of students. p. 59.

Bagandov, B. M. - Let's be more active. p. 62.

Rukosueva, A. I. - With us in Noril'sk. p. 63.

Dorofeeva, G. IA. - Let's fill the gaps in the preparation of textbooks. p. 66.

Mizikovskaia, G. A. - Special aspects of the discussion method. p. 69

Mikhin, P. A. - Let's find the right way! p. 73.

Fatkhullin, A. Sh. - For district schools. p. 75.

Apanasenko, I. P. - Considering the local conditions. p. 76.

Erdniev, P. M. - We need new methods. p. 79.

Sukhovaia, A. S. - Beauty is worth fighting for! p. 81.

Glorious sixtieth anniversary. p. 83.

Kontseviaia, L. A. - New aid for students. p. 87.

Ermakova, M. K. - Practice of Leningrad schools. p. 89.

Read it yourself and recommend it to the others! p. 91.

Foreign language textbooks. p. 92.

Heads of correspondence schools exchange experience. p. 93.

Breger, M. M. - Technical conference. p. 95.

IArutskii, L. D. - Student literary almanac. p. 96.

b. PHYSICAL EDUCATION & GAMES

FIZICHESKAIA KUL'TURA V SHKOLE [PHYSICAL EDUCATION IN SCHOOLS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, nos. 9-10, Sep.-Oct. 1963.

LEGKAIA ATLETIKA [TRACK AND FIELD ATHLETICS]. Organ of TSentral'nyi sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U. S. S. R.]. Moscow, vol. 9, no. 9(100), Sep. 1963

SHAKHMATNYI BIULLETEN' [CHESS BULLETIN] Organ of Shakhmatnaia federatsiia SSSR [Chess Federation of the U. S. S. R.] Moscow, vol. 9, no. 9, Sep. 1963.

SHAKHMATY [CHESS]. Issued by Soiuz sportivnykh obshchestv i organizatsii and Shakhmatnaia federatsiia Latviiskoi SSR [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S. S. R.]. Riga, no. 16(88), Sep. 1963.

SHAKHMATY V SSSR [CHESS IN THE U. S. S. R.]. Organ of Shakhmatnaia federatsiia SSSR [Chess Federation of the U. S. S. R.]. Moscow, vol. 40, no. 9, Sep. 1963

SPORTIVNAIA ZHIZN' ROSSII [SPORT LIFE IN RUSSIA]. Organ of Vserossiiskii sovet Soiuza sportivnykh obshchestv i organizatsii [All-Russian Council of the Association of Sports Societies and Organizations] Moscow, vol. 7, no. 9, 1963.

TEORIIA I PRAKTIKA FIZICHESKOI KUL'TURY [THEORY AND PRACTICE OF PHYSICAL CULTURE]. Organ of TSentral'nyi sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U. S. S. R.]. Moscow, vol. 26, no. 6, June 1963.

Table of contents translated

Raise the level of ideological work. p. 1.

Pavlov, M. - Beauty of the physical appearance of man. p. 6.

Laptev, A. P., Nikiforov, I. I. - Continuously improve research and methodological work. p. 9.

TSarik, V. T. - From the Second to the Third Spartakiada of the peoples of the U. S. S. R. p. 15.

IAkovlev, N. N. - Diet during the training for important competitions. p. 17.

Shuni, N. D. - Training a bicycle racer in a physical education collective for the Third Spartakiada of the Peoples of the U. S. S. R. p. 20.

Puni, A. TS. - Current problems in the psychology of sports. p. 23.

Morozov, V. B. - Photoelectronic and photoelectric leader with cycle timing. p. 27.

Trakhtenberg, I. M. - Possible causes for the transition of the Sechenov's phenomenon into a negative phase. p. 29.

Lazarev, I. I. - Relation between the respiratory rhythm and the motions of an oarsman in college plow rowing. p. 33.

TSygankov, E. S. - Training the qualities of speed in fencers. p. 37.

Afanas'ev, N. I., Bol'shev, P. E. - Give a scientific basis to the physical education collectives. p. 41.

TSadikovich, I. A. - More creative initiative and independent action. p. 43.

Khairova, IU. A., Shevelev, I. P., Mukanova, S. M. - Calisthenics in a coal mine. p. 47.

Briedis, A. A. - Work with students of the special sections. p. 48.

Ryskin, E. F. - A center of health and sports. p. 50.

Improving the system of physical education in the U. S. S. R. p. 54.

Orobinskii, M. D. - For further improvement in the preparation of physical education personnel. p. 55.

Kartashov, IU. A. - Improvement in the physical education of the people. p. 57.

Shuvalov, F. P. - Let us improve the Soviet system of physical education. p. 60.

Kukushkin, G. I. - New school program of physical education in the U. S. A. p. 63.

Gisin, S. L. - Some problems of communist education in textbooks and school books. p. 67.

Kulinkovich, K. A. - Training lecturers. p. 70.

Maslakov, I. - Skillful boxing. p. 72.

Shekhtel', A. IA. - Measuring jumping ability. p. 73.

Sladkov, E. D., Struk, R. I. - Methods for recording the quality of touches in fencing with the épée. p. 74.

Privis, S. L. - All-Russian branch conference. p. 76.

Kalmykov, M. A. - Results of research by the physical education departments of the schools of higher learning in Rostov Province. p. 78.

Rules of the All-Union Contest for the Candidates to the Olympic Team of the U. S. S. R. p. 78.

TIFLIS. GRUZINSKII GOSUDARSTVENNYI INSTITUT FIZICHESKOI KUL'TURY. Sbornik trudov [GEORGIAN STATE INSTITUTE OF PHYSICAL EDUCATION. Papers]. Vol. 5, 1962

Table of contents translated

Ketkhudov, R. G. - Practice as a source of the aesthetic relation of man with reality. p. 189.

Gorgadze, M. A. - Physical culture in Georgia in the 16th-18th centuries. p. 203

Kherkheulidze, T. D. - Analysis of the preparation for small-bore free rifle firing from a standing position of the members of the Soviet Olympic Team. p. 215.

Dolidze, G. IA. - Anthropometric indices of female students of the Georgian State University (1st and 2d years). p. 221.

TSertsteil, A. N. - Recording shots in basketball. p. 225

Nikolaishvili, I. A. - Use of the weaker hand in teaching and improving the attacking hit in volleyball. p. 231

Vardishvili, I. A., Shorokhova, I. M. - Team play in attack and defense in volleyball. p. 239

Alikhanov, I. I., Okroshidze, M. G. - Methods of teaching the overhead throw in competitive wrestling. p. 249

Agiashvili, A. M. - Testing flippers of various makes. p. 257.

Minasov, G. A. - Use of a sliding board for teaching diving. p. 261

Elashvili, V. I. - Broad jump with a pole. p. 267.

Antonov, E. A. - Results of the study on some tactical problems in soccer. p. 283.

Arutsev, A. A. - Changes in the activity of the heart (based on the frequency of its contraction) in the 100-meter dash and weight lifting. p. 309.

Tevzadze, V. G. - Dessimal contraction of muscle and fatigue. p. 317.

9. MUSIC, THEATER & MOTION PICTURES

a. MOTION PICTURES

KINOMEKHANIK [MOTION-PICTURE OPERATOR] Issued by Ministerstvo kul'tury SSSR [Ministry of Culture of the U. S. S. R.]. Moscow, no. 9, Sep. 1963.

SOVETSKII EKRAN [THE SOVIET SCREEN]. Organ of Ministerstvo kul'tury SSSR and Soiuz rabotnikov kinematografii SSSR [Ministry of Culture of the U. S. S. R. and the Union of Motion-Picture Workers of the U. S. S. R.]. Moscow, no. 18(162), Sep. 1963.

SOVETSKII FIL'M [SOVIET FILMS]. Issued by Vsesoiuznoe ob"edinenie [All-Union Association] "Sovekskinfil'm." Moscow, no. 6(73), June 1963.

TEKHNIKA KINO I TELEVIDENIIA [MOTION-PICTURE AND TELEVISION ENGINEERING]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U. S. S. R.]. Moscow, vol. 5, no. 7, July 1961.

Table of contents translated

Preparing to welcome the 22d Congress of the CPSU with appropriate achievements. p. 1.

Development of motion-picture engineering in the socialist countries. p. 3.

Lapauri, A. A. - Depth of definition of lenses and new systems of motion-picture photography. p. 10.

Ozherel'eva, E. - Data on comparison sensimetric testing of black-and-white and color films in various countries. p. 21

Khalfin, A. M., Krasovy, V. N. - Characteristics of television systems with an "ideal" camera tube. p. 26.

Pevzner, B. M. - Interference resistance of a color television system with quadrature modulation of the carrier. p. 34.

Braude, G. V., Makarov, IU. S. - New diagram of differential aperture compensation. p. 40.

Tarasov, A. N. - New motion-picture projector with optical compensation for television broadcasting of color films. p. 43.

Kozin, G. A., and others. - MPTU-2 industrial television system. p. 51.

Aleksander, I. N. - Some research work of the "Lenfilm" motion-picture studio. p. 55.

At the Industrial Exhibition of Leningrad Economic Region. p. 61.

IAtsenko, K. A., and others. - Redesigning of the PTS mobile television station. p. 64.

Evzerov, S. V. - Optical dissolve indicator for the "Rodina" motion-picture camera. p. 69.

Platitskii, F. S. - Exposure meter calculations in motion-picture photography. p. 71.

Malakhov, I. K. - Application of gamma rays and ultrasonic waves in television. p. 76.

Abstracts section. p. 84.

Scientific and technological news. p. 95.

B 9a-11a

Vol 6, no 4, Apr 1962
Table of contents translated
Liskii, G.L., and others - Motion-picture theater equipment of the Kremlin Palace of Congresses p.1
Kataev, S.I., Khromov, L.I. - Generalized criterion for image quality evaluation p 17
Man'kovskii, V.S. - Effect of the acoustics on the quality of stereoscopic transmission p 19
Lebedev, A., Timofeev, B. - Equipment for underwater motion-picture photography p 26
Gol'dovskii, E.M. - Principles and potentialities of the M-G-M 65 motion-picture system p.34.
Lisogurskii, V.I. - Combined compensation systems of frequency distortions. p 42
Dzhakonia, V.E., Ilimkin, V.I. - Stereo color television with a reduced frequency band. p 48
Standardization of the dimensions of studio stage sets and of their basic structural elements. p.66.
Golostenov, G.A., Lubin, Iu.V. - Mirror filament lamps for motion-picture projectors p 60
Razumovskii, A. - Ways of improving the scientific and technical information p 63
Rakovskii, V.V. - Standardization of the measurement of the coefficient of frequency variations. p.64.
Shil'man, E.I. - Apparatus for demagnetizing magnetic tape. p 65.
Vykhodets, A. - Remotely controlled turning of the mirror of the optical commutator p 68
Dispatcher television systems. p.70.
Tel'nov, N.I. - New television camera tubes p 74.
Abstracts section p.77.
Scientific and technological news. p 93

Vol.7, no.6, June 1963.
Table of contents translated:
Grechko, L.V., Artiushin, L.F., Vilenskii, Iu.B. - Determining the ratios of masking and nonmasking components in color films. p.1.
Ryftin, Ia.A. - Quality of television transmission. p.9.
Katsenelenbogen, E.D. - Investigating the relation between the sensitometric characteristics of negative films and the exposure testing data of the filming process. p.19.
Shchedrinskii, M.M. - Color control of the subjects in filming. p.27.
Bulovskii, Ia.L., Litvinova, L.F. - Use of low-voltage mirror lamps for operator's luminaries in the filming of feature motion pictures. p.29.
Tarasov, E.P. - Stabilization of the circuits of amplifying stages with direct coupling on semiconductor triodes. p.35.
Saprykin, K.V. - Resolving nonlinearity of the television scanning system. p.42.
Novakovskii, S.V., Mar'ina, N.I. - Experimental study of the compatibility of color television systems. p.49.
Markovich, M.G., TSukkerman, I.I. - Geometrical transformations of the television raster. p.54.
Artem'ev, N.L., Sellvestrova, N.P. - Television converter of infrared images. p.56.
Vykhodets, A.V. - Automatic light control in the television broadcasting of motion pictures. p.64.
Zakharov, I.P. - Some problems in the development of television equipment. p.66.
Kontarev, V.P. - Improved 16-SP motion-picture camera. p.68.
Korotkov, V. - Adoption of the international unit system in the U.S.S.R. p.70.
Korovkin, V.D. - Motion-picture projector "Luch-2" for 8 mm films. p.74.
Mun'kin, V.B. - Device "Oiromat-K" for the automation of motion-picture projection. p.77.
Abstracts section. p.81.
New motion-picture theaters. p.91.
Experience in the operation of wide-film motion-picture theaters in the Ukraine. p.91.
Development of the scientific and technical base of cinematography, in connection with the plenum of the Central Committee of the CPSU. p.93.
All-Union Scientific and Technical Conference on the Problems of Long-Distance Broadcasting of Television Programs. p.94.

Vol.7, no.8, Aug. 1963.
Table of contents translated
Gdalin, V.S., Fedorov, K.A. - Contrast sensitivity of television camera tubes. p.1.
Kryiov, L.P. - Evaluating the optical density of the black-and-white image in the process of film duplication. p.7.
Eliasberg, I.I. - Present-day magnetic tapes. p.12
Shvernik, L.N., Sudravskii, D.D. - Electron-optical converters for the reproduction apparatus of wide-screen television systems. p.21.
Zakharov, I.V. - Methods of television signal delay by means of ultrasonic delay lines. p.29.
Lukin, M.I. - Experience in the application of television in metallurgical plants. p.36.
Shchekochikhin, V.S. - Reproduction of spatial correlations in stereoscopic cinematography. p.41.
Ioshin, O.I. - Equipment for sound recording and rerecording. p.50.
Kostromin, K. - New portable professional 16 mm motion-picture camera "Eclair" with a noiseless mechanism (France). p.54.
Babak, E.V. - Some problems of optics and light sources in underwater photography. p.57
Karpidi, S.D. - International standardization in the field of still and motion-picture photography equipment. p.62
Persidskii, L.N. - Device for controlling the centrifugal regulators of DKS-8 electric motors for portable magnetic tape recorders p 67.
Improving the film gate and light shields of the film magazines for the "Konvas Avtomat" motion-picture camera. p.68.
Levin, A.L. - Eliminating errors in plotting the frequency characteristics of preamplifiers p.70
Moskalenko, Iu.S. - Small-size flood lights for filming. p.73.
Special applications of high-speed photography instrumentation in industry and science. p.74
The new "Mitchell" cameras. p.75.
New products. p 77.
Abstracts section. p.79.
Scientific and technical conference in Leningrad p 92.
Prefabricated motion-picture projection room. p.94.

b. MUSIC

MUZYKAL'NAIA ZHIZN' [MUSICAL LIFE]. Organ of Soiuz kompozitorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U.S.S.R. and the Ministry of Culture of the U.S.S.R.]. Moscow, vol 6, nos. 17-18, Sep 1963.

c. THEATER

TEATRAL'NAIA ZHIZN' [LIFE OF THE THEATER]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.] and others. Moscow, no 18, Sep. 1963.

10. FINE ARTS

a. GENERAL

ISKUSSTVO [ART] Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.] and others Moscow, vol.26, no.5, 1963.
Table of contents translated
Laureates of Lenin Prizes for the most distinguished achievements in literature and art. p.2
Decree issued by the Presidium of the Supreme Soviet of the U.S.S.R. in connection with bestowing the honorary title of People's Artist of the U.S.S.R. upon individuals active in the Soviet fine arts p.2
Greeting the Second All-Union Congress of Soviet Artists. p 3.
To the Central Committee of the Communist Party of the Soviet Union
We shall dutifully uphold and develop the Leninist principles of party and national character in art! p.5.
Gerasimov, S.V. - Introductory words. p.6
Belashova, E. - For communist ideology and great mastery of Soviet art p.7
Volkov, N. - About the culture of painting. p.20.
Kriukov, R. - Ivan Semenov. p.26.
Rodzin, N. - Works of N.I Strunnikov p.36
Pal'manov, A. - Works by two of the oldest Soviet artists. p.43
Grundig, Lea - On a new road. p.49.
In opposition to modernism in art. p.50.
Kuptsov, I. - Expressionism is an art without a future. p.51.
Selizarova, E. - Architectonics of a painting by P.A. Fedotov p.59
Sofronov, S. - Democratic artist N.V.Orlov. p.62
Cherkasova, Z. - Restoration of oil paintings p 65
Loseva, N. - Head of Aphrodite from Panticapaeum. p.68.
Fil'kov, E. - Masters of Rumanian art. p 69
Zimenko, V. - At contradictory positions p.70.
Looking over foreign periodicals... p.74.
Brief notes. p.77.

KHUDOZHNIK [ARTIST]. Issued by Soiuz khudozhnikov RSFSR [Association of Artists of the R.S.F.S.R.]. Moscow, vol. 6, no. 9, 1963.

LETOPIS' IZOBRAZITEL'NOGO ISKUSSTVA [CHRONICLE OF FINE ARTS]. Issued by Vsesoiuznaia knizhnata palata [All-Union Book Chamber]. Moscow, no.3, 1963.

MAKSLA [ART]. Issued by Latvijas Padomju makslinieku savieniba [Association of Artists of Soviet Latvia] and others. Riga, no.3(19), 1963. [In Latvian]

b. ARCHITECTURE

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Construction and Architecture]. Moscow, vol 6, no 2, 1962.
Table of contents translated
Krotov, Iu.V. - Coupled arches of double curvature. p.3.
Oseled'ko, A.I. - Free nonlinear vibrations of circular arches. p.12.
Konashenko, S.I. - Critical speed of the movement of a load supported on springs along a beam. p.19.
Eliagina, V.A. - Stability of cylindrical rod systems. p.26.
Onufriev, N.M. - Determining the rigidity of bent reinforced concrete elements strengthened by prestressed tie rods. p.31.
Akildin, D.V. - Effect of the speed of loading on the strength and deformations of keramzit concrete samples. p.39.
Bazhenov, G.L., and others - Prestressed poles made of close-grained autoclaved concrete. p.44.
Kichigina, G.I. - Calculation of the bearing capacity of prestressed concrete elements subject to skew deflection. p.56.
Krivoiotov, A.P. - Experimental investigation of problems of the theory of stabilitude for incohesive foundation soils subject to the maximum permissible vertical load. p.65.
Gavrilov, I.F. - Effect of assembly methods on the duration and costs of the erection of one-story industrial buildings. p.73.
Vedeneev, D.V. - Study of pressure losses in bitumens and bituminous mastics flow through pipes. p.84.
Artem'ev, K.A. - Graph analysis method of determining soil resistance to being cut by a blade with a blunt edge. p.94.
Solentkov, N.N. - Method of economic evaluation of earthwork machinery. p.103.
Sur'iannikov, G.N. - Effect of the width of the current on the discharge capacity of a multiple-arch overflow dam. p.108.
Grishchenko, N.A. - Choosing a method of treating colored water in reservoirs. p.112.
Vorob'ev, V.A. - Fedoseev, G.P. - Abbreviated system of heat and moisture treatment for non-autoclaved foam fly-ash concretes. p.118.
Savitskii, Iu.Iu., and others - Planning and development of the Fili-Mazilovo District in Moscow. p.121.
Vasserman, Ia.E. - Modular and gradation functions of coordination dimensions of the elements of buildings. p.130.
Kogan, Z.B., Belogub, V.D. - Unutilized potentials for efficient production of large blocks and slabs. p.141
Pimenov, I.L. - Experience with waterproof internal resistance transmitters for measuring stresses in concrete. p.146.

11. LANGUAGE, LITERATURE & FOLKLORE

a. LANGUAGE

AKADEMIIA NAUK TURKMENSKOI SSR, Ashkhabad. Institut iazykoznaniia. Trudy [ACADEMY OF SCIENCES OF THE TURKMEN S.S.R. Institute of Linguistics. Transactions]. Ashkhabad, no.4, 1962.
Table of contents translated:
Gafarov, B.G. - Phonetic characteristics of certain vowels in Gagauz. p.5.
Lisovskaia, N.A. - Unreal conditional constructions of the synthetic and analytic-synthetic type in modern literary Azerbaijani in comparison with the Turkic languages of the southwestern group p.10
Khudaikuliev, M. - Structure of disyllabic and trisyllabic stems of onomatopoeic words in Turkmen p.76.
Potseluevskii, E.A. - Correlation of the impersonal and passive meanings of the passive voice affix "-l-" in Turkmen. p.125.
Potseluevskii, E.A. - Determinant constructions such as "turan ul." p.140.
Mukhamedova, Z.B. - Remarks on the lexicon of Turkmen, according to written sources. p.167.

INOSTRANNYE IAZYKI V SHKOLE [FOREIGN LANGUAGES IN SCHOOLS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no.3, May-June 1963.
Table of contents translated:
Stepanova, M.D. - Grammatical patterning. p.3.
TSakher, O.Kh. - Language patterns and their oral variations. p.9.
Viatiutnev, M.N. - Patterns for teaching foreign languages in the works of H.Palmer, F.Frisch, A.Hornby, T.Menon, Ch.Fries, and R.Lado. p.18.
Bessmertnyi, A.Z. - Assimilation of speech patterns with the help of visual aids. p.24.
Arakin, V.D. - Substitution tables. p.34.
Bim, I.L. - Patterning of oral speech for methodological purposes. p.39.
Isenina, E.I. - Means of semanticizing the words of a foreign language. p.51.
Gribanova, K.I. - System of training in oral speech. p.55.
Korovin, V.I. - How I work in the fifth grade. p.56.

Glatman, I. I. - Soviet students as friends of Scotland. p.66
Grebert, A.V. - Oral drill exercises. p.81.
Bauman, V.I. - Working with a newspaper p 81
Zlatoporskaia, R.L. - Education in the process of correspondence. p.85
Lvladova, O.I. - Verse and songs in class. p.85
Sheretnik, T.G. - Creative works. p.88.
Kozmina, L.L. - German calendar. p.90
Berlizon, S.B. - Abbreviations in the present-day English language p.93.
Zarubina, Z.V. - A visit to London. p.101
Agranovskaia, L.D. - Room of the country whose language is studied. p.106
Solodova, V.K. - Do you have a "flannelgraph?" p 111.
Kogan, F.L. - Teaching the English language in the first grade. p.114.
Filipchenko, I. - Foreign language school contest in Bel'tsy. p.115.
Sedlik, V.M., Kravchenko, N.M. - Proverbs and sayings in English language lessons. p.116.
Lebedeva, A.A. - German language school festivals in the Udmurt A.S.S.R. p.116
Litiko, F.IA. - Festival in a Rostov-on-Don school. p.117
Gusev, G.I. - German language festival. p.118.
Dubikova, V.V. - Territory-wide foreign language contest. p.119.
Shukhardin, V.G. - Let's learn more poems by heart! p.121.
Liss, A.N. - What an English language textbook for the fifth grade should be like. p.121.
Trushevskii, A.I. - This is interesting and useful! p 122.
Golovkina, L.V. - All-Russian seminar of specialists on methods in Voronezh. p.123
Interuniversity conference at the First Moscow State Pedagogical Institute of Foreign Languages p.124.
Pankrats, G.IA. - Conference on the methods of teaching foreign languages in Alma-Ata p 126.
Rozova, G.V., Salomatov, K.I. - Fifth interuniversity conference on the methods of teaching oral speech. p 126

NOVAIA SOVETSKAIA LITERATURA PO IAZYKOZNANIIU [NEW SOVIET LITERATURE ON LINGUISTICS]. Issued by Fundamental'naia Biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] Moscow, no. 6, 1963.

RUSSKII IAZYK V SHKOLE [RUSSIAN LANGUAGE IN SCHOOLS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol.24, no.3, May-June 1963

Table of contents translated:

Speech culture as an important means of student training. p.1.
Novikov, L.A. - Semantic rearrangement of borrowed words in the Russian language. p 5.
Vvedenskaia, L.A., Shcheglova, I.I. - Word-building homonyms of nouns and adjectives. p.11.
Shamilov, N.F. - From observations on cognate synonyms in the present-day Russian language. p.15
Vompierskii, V.P. - Ways of using phrases in the works of V.V. Maiakovskii. p.18.
Kvashi, L.P. - Speech culture and purism in language p.26.
Slekhin, IU.K. - Do we use the word "abiturient" correctly? p.32.
Khamitia, E. - Colloquial variation of the verb "pobit'." p.35.
Popov, N.I. - Experiment verified by life. p 37.
Belaeva, N.G. - Compositions on labor topics. p 42
Kramopol'skii, E.M. - Free choice composition as a means of speech development. p.47.
Kitaeva, N.L. - Activation of teaching methods during creative work in grades five and six. p.49.
Gorfunkel', A.M. - Using commentaries during the teaching of orthography. p.53.
Slapovalova, G.S. - Forms of homework in the Russian language in grades 5-7. p.56
Tutnchenko, O.I. - Training of students during the work on speech development. p.62.
Rodomanchenko, N.V. - Studying the Russian language in grades 9-11 literature classes. p.66.
Zakharchenko, L.T. - Working on the style of students' speech. p.70.
Stepanov, B.P. - Working on the prevention of stylistic errors. p.73.
Kogan, E.B. - Let's inculcate a lasting knowledge and skills in evening school students. p.76.
Problems of orthography. p.80.
Teaching the Russian languages in institutions of higher learning. p.93.
Brief news. p.96.
Stepanov, A.V. - "Problem of authorship and the theory of style" by V.V. Vinogradov. p.103.
Maksimov, L.IU. - New books on entertaining grammar. p.106.
L'vov, M.R. - "Preventing errors in the construction of phrases and sentences" by N.N. Algazina. p.108.
TSygunova, I.N. - "For the efficient teaching of the Russian language in evening (staggered) schools." p.110.
New literature for Russian language teachers. p.112
Brief notes on books. p.118.
Consultation. p 121

b LITERATURE & FOLKLORE

BAIKAL. Organ of Soiuz pisatelei and Ministerstvo kul'tury Buriatskoi ASSR [Association of Writers and the Ministry of Culture of the Buryat A.S.S.R.]. Ulan-Ude, vol.9, no. 4, July-Aug. 1963.

DILA [MORNING] Issued by TSentral'nyi komitet leninskogo kommunisticheskogo soiuza molodezhi Gruzii and Respublikanskii sovet organizatsii imnykh pionerov im. V.I. Lenina [Central Committee of the Lenin Communist Youth League of Georgia and the Republic Council of Lenin Pioneers] Tiflis, nos 8-9, Aug.-Sep. 1963 [In Georgian]

DNIPRO [DNIPR]. Organ of TSentral'nyi komitet Leninskoho Kommunistychnoho soiuzu molodi Ukrainy [Central Committee of the All-Union Communist Youth League of the Ukraine] Kiev, no. 10, Oct. 1963.

DON. Organ of Rostovskoe oblastnoe otdelenie Soiuza pisatelei RSFSR [Rostov Province Branch of the Association of Writers of the R.S.F.S.R.] Rostov-on-Don, vol. 7, nos. 8-9, Aug.-Sep. 1963.

DROSHA [THE BANNER]. Published by the Publishing House of the Central Committee of the Communist Party of Georgia. Tiflis, no. 9(146), Sep 1963. [In Georgian]

DRUZHBA NARODOV [FRIENDSHIP OF PEOPLES]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, nos 8-9, 1963.

IUNOST' [YOUTH] Organ of Soiuz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, vol. 9, no. 9, Sep 1963.

KAROGS [THE BANNER]. Issued by Latvijas padomju rakstnieku savienība [Association of Writers of Latvia]. Riga, no 10, Oct. 1963 [In Latvian]

LITERATURA I ISKUSSTVO NARODOV SSSR I ZARUBEZHNYKH STRAN, bibliograficheskii bulleten' [LITERATURE AND ART OF THE PEOPLES OF THE U.S.S.R. AND FOREIGN COUNTRIES, Bibliographical Bulletin] Issued by Vsesoiuznaia Knizhnaia palata and Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury [All-Union Book Chamber and the All-Union State Library of Foreign Literature] Moscow, nos 3-4, 1963.

LITERATURNAIA ARMENIIA [LITERARY ARMENIA]. Organ of Soiuz pisatelei Armenii [Association of Writers of Armenia]. Erivan, no 8, Aug. 1963.

LITERATURNYI AZERBAIDZHAN [LITERARY AZERBAIJAN] Organ of Soiuz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan]. Baku, vol. 21, no. 7/8, July-Aug. 1963.

LOOMING [CREATIVE WORK]. Issued by Eesti NSV Kirjanike Liit [Association of Writers of the Estonian S.S.R.]. Tallinn, no. 9, Sep 1963. [In Estonian]

MATROSSKAIA PSTRADA [SAILORS' STAGE]. Moscow, no. 5, 1963.

MOKSHA, literaturno-khudozhestvennaia i obshchestvenno-politicheskaia zhurnal [MOKSHA, Literary and Socio-political Almanac] Saransk, no. 4, July-Aug. 1963. [In Mordvinian]

MOLODAIA GVARDIIA, literaturno-khudozhestvennyi i obshchestvenno-politicheskii zhurnal [YOUNG GUARD, Literary and Sociopolitical Magazine]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, nos. 7, 9, July-Sep. 1963.

MOSKVA [MOSCOW]. Organ of Soiuz pisatelei RSFSR and Moskovskoe otdelenie Soiuza pisatelei [Association of Writers of the R.S.F.S.R. and the Moscow Branch of the Association of Writers]. Moscow, vol. 7, nos. 8-9, 1963.

NEVA. Organ of Soiuz pisatelei RSFSR and Leningradskoe otdelenie Soiuza pisatelei [Association of Writers of the R.S.F.S.R. and the Leningrad Branch of the Association of Writers]. Leningrad, no. 6, 1963.

NOVAIA INOSTRANNAIA LITERATURA PO LITERATUROVEDENIIU [NEW FOREIGN LITERATURE ON THE STUDY OF LITERATURE]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 7, 1963.

NOVAIA SOVETSKAIA LITERATURA PO LITERATUROVEDENIIU [NEW SOVIET LITERATURE ON THE STUDY OF LITERATURE]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] Moscow, no 7, 1963

NOVYI MIR [THE NEW WORLD]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U.S.S.R.] Moscow, vol 38, no. 9, Sep 1962.

Table of contents translated:

To the Communist Party and peoples of the Soviet Union! To peoples and governments of all countries! To all progressive mankind! Appeal of the Central Committee of the CPSU, Presidium of the Supreme Soviet of the U.S.S.R., and the Government of the Soviet Union. p.3
Tarba, Ivan. - Orbits predestined for us..., verse Translated from the Abkhazian by IUnna Moritz. p.6.
Aleksandr Chicherin's notebook p.7.
Tank, Maksim - New verse. Translated from the White Russian by Iakov Khelemskii p 71.
Nekrasov, Alekseĭ. - The Kirsanov oldsters; a tale. p 74
Shchipachev, Stepan - As you know, childhood, , verse p 110.
Nekrasov, Viktor. - "Santa-Maria" or why I hated to play ball, a story. p.111.
Sokolov-Mikitov, I - In my land, notes of many years ago (to be continued) p.114.
Val'shonok, Z. - Coltsfoot plant; verse p.127
Brieza, Tadeusz. - Labyrinth, a novel (conclusion) Translated from the Polish by IU Mirskaia p 129
Borin, A - Descendents of rolling-mill operator Gavrila p 199.
Heyerdahl, Thor. - Statues of Easter Island, problems and conclusions. Translated from the Norwegian by L. Zhdanov. p.216.
Andronikov, Irakli. - Clue to a thousand-year secret. p.230.
Turovskaia, M - Prosaic and poetic motion pictures of today p 239.
Lebedeva, L. - Four stories. p.256.
Survillo, V. - Who is to blame? p 259.
Medvedev, Bor. - Year after year. p 264.
Sokolov-Mikitov, I - Life in the forest p.266
Baianov, B. - Cherished dream of mankind. p.268
Genkina, E. - Great industrial revolution p.270
Inozemtsev, I. - The sea and books. p 272.
Papernyi, Z. - How important it is to be cultured p.276
Turkov, A - Heroes not of our times. p 278
Brief book reviews. p.281.
New books. p.287.

PERGALE [THE VICTORY] Organ of Lietuvos TSR tarybinių rasytojų sąjunga [Association of Soviet Writers of the Lithuanian S.S.R.] Vilnius, no 10, 1963 [In Lithuanian]

POD"EM [UPSWING]. Issued by Voronezhskoe otdelenie Soiuza pisatelei RSFSR [Voronezh Branch of the Association of Writers of the R.S.F.S.R.]. Voronezh, no. 4, July-Aug 1963.

PRAPOR; literaturno-khudozhnii ta hromads'ko-politychnyi zhurnal [BANNER, Literary and Sociopolitical Magazine]. Issued by Spilka pys'mennykiv Ukrainy [Association of Writers of the Ukraine] Kharkov, no. 9, Sep. 1963.

PROSTOR [WIDE-OPEN SPACES]. Organ of Soiuz pisatelei Kazakhstana [Association of Writers of Kazakhstan]. Alma-Ata, vol. 30, no. 9, Sep. 1963.

PUNALIPPU [THE RED BANNER]. Issued by the Association of Soviet Writers of the Karelo-Finnish S.S.R. Petrozavodsk, vol. 20, no. 4, 1963. (In Finnish)

RADUGA [THE RAINBOW]. Organ of Pravlenie Soiuza pisatelei Ukrainy [Administration of the Association of Writers of the Ukraine] Kiev, vol. 13, no. 10, Oct. 1963.

RUSSKAIA LITERATURA [RUSSIAN LITERATURE]. Issued by Institut russkoi literatury Akademii nauk SSSR [Institute of Russian Literature of the Academy of Sciences of the U.S.S.R.]. Leningrad, vol. 6, no. 3, 1963.

SHARKI SURKH [THE RED EAST]. Organ of the Association of Writers of Tajikistan. Dushanbe, no. 8, Aug. 1963. [In Tajik]

SIBIRSKIE OGNI [SIBERIAN LIGHTS]. Organ of Soiuz pisatelei RSFSR and Novosibirskoe otdelenie Soiuza pisatelei [Association of Writers of the R.S.F.S.R. and the Novosibirsk Branch of the Association of Writers]. Novosibirsk, vol. 42, no. 9, Sep. 1963.

SUCHASNIST'; literatura, mystetstvo, suspil'ne zhyttia [OUR TIME, Literature, Art, and Social Problems]. Munich, vol. 3, no. 9(33), Sep. 1963.

...lle-12)

URAL. Issued by Sverdlovskoe otdelenie Soiuza pisatelei RSFSR [Sverdlovsk Branch of the Association of Writers of the R.S.F.S.R.]. Sverdlovsk, vol. 6, no. 9, Sep. 1963.

VOPROSY LITERATURY [PROBLEMS OF LITERATURE]. Organ of Soiuz pisatelei SSSR and Institut mirovoi literatury Akademii nauk SSSR [Association of Writers of the U.S.S.R. and the Institute of World Literature of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 7, July 1963.

Table of contents translated

Galinov, A. - Lofty mission of literature and art. p. 3
Anisimov, I. - Principles of contemporary literary development. p. 16.
Rodionovskaia, I. - Before a choice. p. 33.
Karpov, A. - "All one-hundred volumes of my party books." p. 53
Millavskii, B. - Maiakovskii in publications of higher educational institutions. p. 66
Levin, L. - Three conferences in Kuybyshev. p. 82.
Shaginian, Marietta. - How I worked on my novel "The Ul'ianov family." p. 88.

Korolenko, Vl. - "Lives, lives, and lives..."; letters written to beginning literateurs. p. 105.
Sokolov, A.N. - Contribution to discussions on romantic...m. p. 118.
Grasshof, Ch., Hevelschneider, L., Ziegengeist, G. - First German translation of A.N. Radishchev's "Journey from Petersburg to Moscow." p. 138.
Skorodenko, V. - Ability to tell the untruth. p. 145.
Romin, A. - "Transformation" of Jonathan Swift. p. 149
Kozhevnikov, Iu. - An art maturing in the struggle, establishment of socialist realism in Rumanian literature. p. 160
Rozhnovskii, S. - Beginning of a great work. p. 177.
Trushchenko, E. - Thoughts about socialist art. p. 185.

Ferterian, I. - "Brazilian time." p. 188.
Rublin, V. - Progressive Australian novella. p. 190.
Metlinkh, B. - If we look at the facts..., p. 192.
Fradkin, I. - Response to an opponent. p. 194.
Fralov, V. - A book by Vladimir Khanon. p. 196.
Kamianov, V. - Addressed to moral conscience.... p. 200.
Lusbirga, M. - First history of Soviet Latvian literature. p. 203.
Berkov, P. - Lomonosov and the Russian Enlightenment of the 18th century. p. 206.
Reiser, S. - Facsimile edition of "The Bell." p. 210.
Kuz'mickii, A. - Against the ideology of revenge. p. 216.

Gedymin, L. - Basic trends of the contemporary French novel. p. 220.
Gol'fand, N. - Guide to Soviet literature. p. 223.
Ovcharenko, Al. - Soviet Ukrainian historical novels. p. 224.
[Avantsev, B. - "...and revolutionary Populism" p. 226.
Sukhanova, V. - A book about Finnish literature. p. 226.
Belov, S. - Great work of a bibliographer. p. 230.
Amid periodicals and newspapers. p. 233.
Raskin, A. - Young parodists. p. 239.
Shanin, Iu. - Introduction to the cold; Transformations and concurrences, verse. p. 241.

Rabcko, I. - To the beginner; verse. p. 243.
Gai, E., Gamin, B. - On the path of the sketch. p. 243.
Ryn'kov, L. - Gramtskii in Chernyatin. p. 245.
Shadrov, G. - Arabesques. p. 247.

...nnykiv
e].

[Association of Writers of the U.S.S.R.]. Leningrad, no. 6, June 1963.

Table of contents translated:

Pomozov, IUrii. - Over the threshold; a story. p. 3.
Slobodchikov, I. - On the side of the road; a story. p. 20.
Sazonov, Mikhail. - Sunrise; Helper of the sun; Michurin apples; On the Yenisey; verse. p. 31.
Kuntov, Pavel. - Storytellers; Holiday; verse. p. 33.
Demidenko, M. - And they shall call you IUrkal; a tale. p. 34.
Olfa, Petr. - From a new verse. p. 71.
Stekol'nikov, Lev. - In full bloom; verse. p. 73.
Obukhova, Lidiia. - She, who is the color of grass; from the cycle "Short tales." p. 74.
Gor, Gennadii. - Wanderer and time; a science-fiction tale (to be continued). p. 86.
Syudzi, Miyo and others. - From contemporary Japanese poetry. Translated by L. Gromkovskaia and L. Zonina. p. 117.
Yasumasa, Kisida - Remarks on contemporary Japanese literature. p. 121.
Ivin, M. - Laboratory at the forefront p. 125
Brabich, V. - How is the food at home? It's more tasty! (remarks by a director of a workingmen's lunchroom). p. 133.
Sheshalov, IUvan. - Bear holiday. p. 139
Linko, S. - Working miracles. p. 142.
Efimov, R. - An automat dispatches trains. p. 143.
Perovskii, S., Semenov, L. - Patients of the Laboratory for Conservation and Restoration of Documents. p. 144.
Petrova, M. - Seven-hundred hours at the bottom of the Sea of Japan. p. 145
Kunitsyn, I. - Where Hemingway lived p. 146.

Fel'man, A.B. - Notes. p. 148
Moldavskii, Dm. - Meetings in Tiflis p. 154
Napolova, T. - Strength of truth. p. 164
Glinkin, P. - Hero on the way. p. 173.
Khvatov, A. - M.A. Sholokhov during the Great Patriotic War. p. 182
Plotkin, L. - Affairs of simple people; on the works of Vera Panova. p. 192.
Bukhmel'eva, E. - Mikhail Alekseev's new novel "Cherry pond." p. 202
Mikhailov, Igor' - Il'ia Sel'vinskii's book of lyrics "On the times, on destinies, on love." p. 203.
Romanenko, D. - One lodging for the night from Moscow to the Liga. p. 207.
Danchich, A. - What's lacking in the detective genre? p. 210.
Ardov, V. - Practical advice to a beginning toady. p. 213.
Ivanov, Vl. - A charwoman has retired; verse. p. 217.
Nazarenko, V. - Talent of M. Soifer; an imagined interview. p. 217.
Rezunkskii, P. and others - From a satirist's notebook. p. 219
Levitskii, V. - Isn't it time, Obscene truth, verse. p. 220.
Zhur, P. - Foreign humor: From old French poets. Transmitted by P. Zhur. p. 220.
Dusin, Aunt. - From the editor's wastebasket. p. 221
Mournful notes. p. 222.

12. GEOGRAPHY & GEOLOGY

6 *ETHNOLOGY*

VOPROSY ANTROPOLOGII [PROBLEMS OF ANTHROPOLOGY]. Issued by Institut antropologii Moskovskogo gosudarstvennogo universiteta [Institute of Anthropology of Moscow State University]. Moscow, no. 12, 1962.

Table of contents translated:

Andreev, I.D. - Some basic principles of the skeletal structure of the human hand. p. 3.
Khrisanfova, E.N., Maliavskaia, D.A., - Morphology of the shoulder and hip joints in contemporary and Neanderthal man. p. 15.
Guseva, I.S. - Relationship between the nasomalar and zygomaxillary angles of the horizontal profile of the facial skeleton in some contemporary anthropological types. p. 31.
Uspenskii, S.I. - Stereosomatic index of physical development. p. 55.

Arshavskii, I.A. - Longevity of man in the light of comparative ontogenetic data. p. 72.
Smirnova, N.S. - Comparison of growth regularities in the measurable traits of Turkmen and Buryat children. p. 92.
Alpatov, V.V., Obelnitskii, I.P. - Age related changes in the heat coagulation of human blood plasma. p. 111.
Levin, M.G. - Some problems of ethnic anthropology in Northern Siberia. p. 115.
Gadzhiev, A. - Ethnic anthropology of the peoples of Daghestan; preliminary notice. p. 122.
Tot, T.A. - Mongoloid features of the ancient Avar population of Transdanubia. p. 135.
Trofimova, T.A., IAkimov, V.P. - Session of the Permanent Council of the International Congresses of Anthropological and Ethnological Sciences. p. 140.
Akimova, M.S. - Third Ural Archaeological Conference. p. 142.
Miklashevskaia, N.N. - In memory of L.V. Oshanin. p. 144.
P.O. Isaev, an obituary. p. 147.
Alekseev, V.P. - "Acta Facultatis Rerum Naturalium Universitatis Comenianae," t. III, fasc. V-VIII, 1959, pp. 195-402. Anthropologia. Publicatio prima; t. IV, fasc. IX-X, 1960, pp. 467-620. Anthropologia. Publicatio secunda; t. V, fasc. III-VI, 1961, pp. 117-342. Anthropologia. Publicatio III; t. VI, fasc. I-V, 1961, pp. 1-266. Anthropologia. Publicatio IV. p. 149.

Nikitiuk, B.A. - "Bone as a tissue" [in English] edited by K. Rodahl, J.T. Nicholson, E.M. Brown. p. 165.
Zubov, A. - "Interracial relations in Latin America, 1940-1960" [in Spanish] by J. Comas. p. 167.

b GEOGRAPHY

AKADEMIIA NAUK SSSR. Institut okeanologii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Oceanography, Transactions] Moscow, vol. 61, 1962 Issledovaniia morskikh donnykh osadkov [Study of ocean bottom sediments]

Table of contents translated

Kozlova, O.G. - Specific composition of diatoms in waters of the Indian Ocean part of the Antarctic. p. 3
Zhuze, A.P., Koroleva, G.S., Nagaeva, G.A. - Diatoms in the surface layer of bottom sediments of the Indian Ocean part of the Antarctic. p. 19
Gorbunova, Z.N. - Clay and accompanying minerals in bottom sediments of the Indian Ocean. p. 94.
Aleksina, I.A. - Mineralogy of coarse silt fractions of bottom sediments of Kronotskiy Gulf and Avacha Bay. p. 104

List of publications of the Institute of Oceanology of the Academy of Sciences of the U.S.S.R. (1946 - 1962).
Contents of the volumes of the Transactions of the Institute of Oceanology of the Academy of Sciences of the U.S.S.R. p. 157
Separate publications. p. 180.
Author index. p. 207

DUSHANBE. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE. Studies] Vol 35, 1962. Seriia geograficheskaia [Geographical Series], no. 2 Nekotorye voprosy ekonomicheskoi geografii Tadzhikistana [Problems of the economic geography of Tajikistan].

Table of contents translated.

Lolaeva, T.K. - Economic geography of the Vakhsh Valley p. 3.
Mamadzhanova, M.IU. - Distribution of grain, pulse and oilseed plant cultures in the Tajik S.S.R. p. 69.
Sentiushkin, K.D. - Ordzhonikidzebad District, economic geography p. 89
Khaidarova, R.N. - Geography of the industry of the northern districts of the Tajik S.S.R. p. 161

Stanukovich, K.V. - The Mediterranean belt type and its high altitude vegetation in Central Asia p. 185.
Zainutdinov, Kh. - From the history of Soviet-Afghanistan economic cooperation p. 195
Aminov, Sh. - Prospects for the development and distribution of the industry of Tajikistan, using the example of the building materials industry. p. 219.

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Izvestiia [GEOGRAPHIC SOCIETY OF THE U.S.S.R. Bulletin]. Moscow, vol. 95, no. 4, July-Aug 1963.

Table of contents translated

Fedina, A.E. - Principles of physicogeographical regionalization. p. 299.
Vasilevich, G.M. - Evenki ancient geographical *concepts and map drawings* p. 306.
Bonifat'eva, L.I., Kniazhinskaia, L.A. - Some preliminary results of the 1961 population census in India p. 320.
Egor'eva, A.V. - Committee on spreading the *knowledge of geography.* p. 329.
Konovalov, V.G. - Artificial acceleration of thawing snow and ice in the mountains. p. 330.
Kushnarev, E.G. - Kruzenshtern's plan for a voyage around the world, based on new archive materials. p. 339
Kochergin, P.G. - Main problems of the contents of school geography. p. 348.
Semevskii, B.N. - Geography at the Havana University. p. 351.
IAblokov, A.A. - Several results of the Chirchik Glaciological Expedition. p. 353.
Peev, Khristo D. - Diurnal and accumulative activity of avalanches. p. 355.
Stankevich, E.F. - A rare sink. p. 356.
Tarnogradskii, V.D. - Relict antiplanation terraces on the western slope of the Northern Urals. p. 358.
TSkhovrebashvili, Sh.A. - Origin of the Atskuri-Tashiskari part of the Kura Valley p. 360
Lysenko, N.I. - River robbery in the Crimean Mountains. p. 364.
Klimenko, L.V. - Secular fluctuations of the continentality of the Moscow climate. p. 367.
Umurzakov, S. - The first Russian expedition to Lake Issyk-Kul'. p. 368.
Belov, S.V. - Andrei Andreevich Dostoevskii. p. 371.
Kanonnikov, A.M. - Conference on the natural regionalization of Krasnodar Territory. p. 373.
Pavlovskii, E.N., and others. - On O.A. Konstantinov's 60th birthday. p. 374.
Gerenchuk, K.I. - "Morphological structure of a landform" by G.N. Annonskaia and others. "Methodological instructions on broad-scale field landform studies" by A.A. Vidina, "The theory of landform and physicogeographical regionalization" by A.G. Isachenko. p. 375.
Ilnich, IU.V. - "Geographical environment of Poland. Geographical prerequisites for the development of the national economy" [in Polish] by J. Kostrowicki. p. 377.

Dridzo, A.D. - "History of the geography of Cuba" [in Spanish] by José Alvarez Conde p. 378.
Petrov, M.P. - New geographical studies on Chinese deserts p. 380.
Lindberg, G.U. - "Origin of continents and oceans" by D.G.Panov. p. 381.
Isachenko, A.G., Volf, M.B. - "Atlas of the U.S.S.R." p. 383.
Badlan, V.V. - "The climate of the Crimea" by I.I. Babkov p. 386.
Afanas'ev, V. - "Through the volcanic regions of the Crimea" by V. Lebedinskii p. 388.
Lepneva, S.G. - "History of the study of the nature of the Gornyy Altai" by M.F.Rozen. p. 389.
Komoblinskaia, E.M. - The tenth anniversary of the Kazakhstan Branch of the Geographical Society of the U.S.S.R. p. 390.
Shkurlatov, O.V. - The First Conference on the Problems of Medical Geography. p. 393.

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Vostochnaia komissiia. Materialy [GEOGRAPHICAL SOCIETY OF THE U.S.S.R. Eastern Committee. Materials] No.1, 1962.

Table of contents translated
Preface. p 4.
Shumovskii, T.A. - Work of the Arabic Section at the 25th International Congress of Orientalists. p.6
Dmitrovskii, Iu.D. - Irrigation in the countries of southern Africa. p.9.
Lalnlants, E.A. - Rural commune in Java at the end of the 19th and first half of the 20th century. p.18.
Shafranovskaia, T.K., Shafranovskii, K.I. - The collection "Archives of literature, history, and linguistics of Asia" published in 1810 in St. Petersburg. p.22.
Val'skaia, B.A. - Unpublished materials of K.M. Baer on the travels of E.P.Kovalevskii to China in 1849-1850. p.29.
Dmitrieva, L.V. - Oldest Turkic manuscripts in the Institute of Asian Peoples, Academy of Sciences of the U.S.S.R. p.34.
Shumovskii, T.A. - Identification of two Muslim maps in the Russian translation of "Book of travels" by Nasir-i Khusrau. p.47.
Shpintsin, A.G. - Standardizing Russian transcription of Chinese words. p.55.
Gorbachova, Z.I. - Meaning of the term "pin-k'o", from materials of the Han chronicles. p.61.
Gorbacheva, Z.I., Petrov, N.A. - Necessary reference book on China. p.66.
Participation of the Oriental Committee in the work of the 25th International Congress of Orientalists. p.70.
Work of the Oriental Committee from October 1960 to 1962. p.72.

LENINGRAD. GOSUDARSTVENNYI GIDROLOGICHESKII INSTITUT. Trudy [STATE HYDROLOGICAL INSTITUTE. Transactions]. No. 100, 1963. Voprosy rezhima, teorii i metodov izmerenila nanosov [Problems in the regime, theory, and methods of measuring sediments].

Table of contents translated
Karaushev, A.V. - Ways of studying fluvial sediments. p.3.
Bogolubova, I.V. - Methodology of studying the flow of suspended sediments in mountain rivers. p.26.
Razumikhina, K.V., Karaushev, A.V. - Using a photometer to determine the silt load of water. p.40.
Makkaveev, V.M. - Theory of the turbulence and movement of sediments. p.54.
Karaushev, A.V. - Method of calculating the field of a silt load and the deformation of reservoir and river beds. p.88.
Rossomakhin, M.V. - Study of the shape of the Irtysh Valley in connection with its regime of levels and sediments. p.96.
Lisitsyna, K.N. - Study of sediment runoff in a primary drainage network. p.122.
Drozd, N.I. - Sediment runoff during the spring thaw. p.136.

PROBLEMY ARKTIKI I ANTARKTIKI [PROBLEMS OF THE ARCTIC AND THE ANTARCTIC]. Issued by Arkticheskii i antarkticheskii nauchno-issledovatel'skii institut [Arctic and Antarctic Scientific Research Institute]. Leningrad, no.13, 1963.

Table of contents translated:
Maksimov, I.V. - Study of the nature of long pressure waves in the Arctic and Antarctic. p.5.
Antonov, V.S. - Determination of seasonal boundaries for the lower reaches of Arctic rivers. p.13.
Shesterikov, N.P. - Some features of the growth of land ice in the Mirnyy region. p.19.
Gabrilova, L.A. - Vertical extent of fronts in the central Arctic. p.27.
Nikolaev, Iu.B. - Theory of the transformation of air masses above the sea. p.35.
Doronin, Iu.P. - Calculation of the melting of ice with an artificial change of the albedo. p.45.
Chernigovskii, N.T. - Radiation penetrating into the upper water layer of Arctic seas. p.51.
Petrov, I.G. - Buckling of the ice cover caused by uneven melting. p.59.
Besprozvannaia, A.S. - Two types of ionospheric storms. p.67.
IAgodkin, V.IA. - Analytical determination of the rotational moment of resistance of a screw propeller during its interaction with ice p.79.
Belov, M.I. - Defense of Dickson Harbor in August 1942. p.89.
Bushuev, A.V. - Astronomical observations on drifting ice and ways of increasing their precision. p.97.
Khlopushin, G.A. - Distant actinometric observations. p.101
Klimovich, V.M. - Penetration of solar radiation into the sea. p.105.
Buzuev, A.IA. - Connection between the degree of breaking-up of ice and its resistance to bending & bend. p.109.
Semenov, I.V. - Features of the ice cover of the northeastern part of Oktyabr'skaya Revolyutsiya Island. p.113.
Govorukha, L.S. - Present conditions of sedimentation in lakes of Franz Josef Land. p.119.
Shvaishtein, Z.I. - Drilling ice from the lower surface of the ice cover to the upper. p.123.
Pavlov, N.I. - Cyclone regeneration conditions in the Kara Sea area during the navigation period. p.125
Siskó, R.K. - Discharge curve for the Gedenshtroma River (Novaya Sibir' Island). p.128.
Gerasimenko, V.I. - Unusual airglow. p.129
Kremer, B.A. - Arctic in the first volume of the "Concise geographic encyclopedia." p.131.
Aver'ianov, V.G. - Antarctica in the first volume of the "Concise geographic encyclopedia." p.134.
Laktionov, A.F., Romanovich, Z.S. - Survey of literature on marine hydrologic and ice forecasts. p.137.
Literature on the Arctic and Antarctica. p.145.

VOKRUG SVETA [AROUND THE WORLD]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 1, Jan. 1963.

Table of contents translated:
Gorin, IU., Malkin, A. - Coeval of the space era. p.1.
World map relates.... p.4.
The continent of Angara. p.7.
Safronov, IU. - The end of life. p.9.
Korolkevich, E. - Atlas of the ice continent. p.16.
Myshlinev, K. - At the ancient Vyshgorod. p.16.
Bezhanov, I. - Taribana elephant. p.16.
Svet, IA. - Round-the-world voyage of a pirate. pp.17, 23.
Danube waves are peace waves. p.18.
Anzimirov, K., Rodionov, F. - The "Storegushchii" comes to the aid. p.21.
Putiatov, V. - Newly arrived chestnuts. p.23.
Michel Siffre. - Experiment "Time" [translated from the French]. pp.24, 45.
Kassil', Lev. - Italy of many faces. p.26.
Elakhovskii, S. - Taiga without bloodsucking insects. p.29.
The garden will bloom! p.33.
The smallest town. p.33.
Miracle of the century. p.34.
Westberg, Per. - City built not in the right place [translated from the Swedish]. pp.36,54.
Hanzelka, Jiri, Zikmund, Miroslav. - Mohenio-Daro [translated from the Chech]. p.41.
Sunde, Asbjorn - Struggle in the dark (to be continued) [translated from the Norwegian]. p.46.
Ivanov, IU. - Perfidious fish. p.52.
Simakov, V., and others. - Fate of a project. p.53.
Darrel, J. - Under the cover of a drunken forest [translated from the English]. p.55.
Proverbs of the Tuaregs. p.57.
Varicolored world. p.58.
Mauge, Roger. - Greeks visit at [from the French]. p.60.
Photographic competition of "
Kuz'mina, Eda. - Gifts of a m
Turkov, A. - Love and worry,
Kassis, V. - Fairy tale and re
Chekhovskaia, T. - Tale abou

REFERATIVNYI ZHURNAL: GE(ABSTRACTS: GEOGRAPHY]. noi informatsii Akademii naut Scientific Information of the A the U.S.S.R.]. Moscow, no.

c. GEOLOGY & PAL

AKADEMIIA NAUK ARMIANSKO Geologicheskie i geograficher OF SCIENCES OF THE ARMI Geological and Geographical S vol.16, no.2, 1963.

Table of contents tr
Seventieth birthday of Konsta 'gol'ts. p.3.
Aborian, S.B. - Petrographi and ultrabasic rocks of th the Armenian S.S.R. p.7
Malkhasian, E.G., Leie, IU raphy of Jurassic albitop S.S.R. p.15.
Guseva, A.N., Pairazian, V.V. - Geochemical characteristics of the disseminated organic matter in rocks of Tertiary sediments in the Erivan region p.29.
Nazarian, A.N. - Leaching of salts in Miocene sediments of the Erivan region p.37.
Sarkisian, O.A. - Outline of the paleogeography of the Sevan-Shirak synclinorium. p.49.
Gasparian, I.G. - Detection of amalgam and some native elements in sedimentary rocks of the Erivan region p.67.
Aidinian, N.Kh. - Content of mercury in some waters of the Armenian S.S.R. p.73.
Korotkov, V. - Introduction of the International Unit System in the U.S.S.R. p.77.

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Geologicheskii institut. Trudy. Geologicheskaia seriia [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Geological Institute. Transactions. Geological Series]. Tiflis, vol.13(18), 1963.

Table of contents translated.
Zesashvili, V.I. - Some representatives of the Middle Jurassic fauna in western Georgia. p.5.
Dvali, T.K. - Some Lower Cretaceous Gastropoda in western Georgia. p.37.
Eristavi, M.S. - The Lower Cretaceous of the Sochi region. p.51.
TSagareli, A.L. - Upper Cretaceous fauna of Daghestan. p.79.
Gambashidze, R.A. - Fauna of Senomanian-Turonian sediments in the periphery of the Loka and Khrami massifs. p.109.
Gambashidze, R.A. - Fauna of Santonian-Danian sediments in the periphery of the Loka and Khrami massifs. p.161.
Chikovani, A.A. - Some new and little known Middle Miocene bivalves. p.197.
Kogoshvili, L.V. - Geology and development of recent troughs in the Mukhrani and Bazaleti regions. p.209
Rubinshtein, M.M. - Argon dating of biotites and their use in absolute geochronology. p.233.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Izvestiia. Seriia geologicheskikh nauk [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Bulletin. Series in the Geological Sciences]. Alma-Ata, No.4(65), 1963

Table of contents translated:
Novikov, A.G., Sinitsyn, F.E., Filip'ev, G.P. - Tectonics of troughs in southern Kazakhstan in relationship with oil and gas potentials. p.3.
Sargaskaev, T.B. - Geophysical studies in the Chu-Sary-Su Depression and principal results therefrom. p.15.
Miletskii, B.E. - Some characteristics of the development of Paleozoic igneous activity in the Mugodzhar Hills. p.25.
Seidalin, O.A. - Devonian stratigraphy of the Karaganda Basin. p.33.
Buvalkin, A.K., Azizov, T.M. - Trace elements in rocks and coals of Lower Mesozoic sediments in the Maykyuben' Basin and their significance for paleogeography. p.41.
Mukhamedzhanov, S.M., and others. - Underground waters of the Tarbagatay Range and its margin. p.58.
Sergliko, IU.A. - Lithology and formation of ore-enclosing rocks in the Atansor deposit (northern Kazakhstan). p.74.
Slatsenko, E.A. - Coal petrography of the Belokamenskoye deposit (Rudnyy Altai). p.83.
Dzhanaev, M.M. - Effectiveness of surface magnetic prospecting in geological mapping of closed areas

B 1°c Savinov, P. F. - Materials on the osteology of giant Indricotheriid rhinoceros. p. 77.
Korniilova, V.S. - Genus Salvinia in Kazakhstan p. 83.
Romanova, I.V. - New species of angiosperms from the Upper Cretaceous of Mount Kim-kerlish (Zaysan Depression). p. 100.
Korniilova, V.S. - Quaternary floras from the mountain regions of Central Asia. p. 113.
Sodovich, M.A. - Paleontological characteristics of the sediments of the Givetian stage of the Bayan-Aul region (central Kazakhstan) p 152

Sal'menova, K Z. - New materials on Permian flora of the Dzhungarian Ala-Tau p 159
Blikhova, S M - Palynological complexes of Miocene sediments of the Ak-Tau Mountains (Ili Depression). p 167.
Makulbekov, N.M. - History of the genus Pterocarya in Kazakhstan. p. 186
Shilin, P.V - New data on the Jurassic flora of the Mekat deposits (Turgay Trough) p. 192
Musakulova, L T - Chevrotain Goblomeryx dubius from the Paleogene of Kazakhstan. p. 201
Musakulova, L.T. - Last Miocene gazelle from the Tien Shan. p. 204
Musakulova, L T. - Find of a Tauric antelope in the Hipparion fauna of Kazakhstan. p 206.

Chumakov, I.S. - Lesser mammals of the late Cenozoic from the Zyryanovsk region (Rudnyy Altai). p 210
Bogachev, V.V. - Former distribution of naiads in Siberia and Kazakhstan p 214.
Kuznetsov, V V. - The time of the appearance of the tortoise Testudo horsfieldi in Central Asia. p. 217
Nikol'skaia, V D - Find of Cretaceous Charophyta in the Kyzyl Kum. p. 218
Orlovskaia, E R. - New Jurassic fern from Buykonur. p. 223.
Zorina, M.S. - Remains of the Upper Quaternary flora from Lake Kara-Kul' in the Pamirs p. 229
Makulbekov, N.M. - Genus Ulmus from Miocene sediments of northern Kirghizistan p 234.

Chalykh'ian, E V. - Palynological characteristics of Quaternary sediments from the Shideriy Valley p. 238.
Chapian, L.N - Palynological complex of the Mousterian site Karasu-1 from the Arystandy Valley (western Tien Shan). p 243.
Orlovskaia, E.R. - Holotypes preserved in the paleobiological collection of the Natural History Museum of the Institute of Zoology of the Academy of Sciences of the Kazakh S.S.R. in Alma-Ata. p. 258.
Expeditions of the Department of Paleobiology and Natural History Museum of the Institute of Zoology of the Academy of Sciences of the Kazakh S.S R. in 1961-1962. p. 260

AKADEMIIA NAUK SSSR IAkutskii filial, Yakutsk. Trudy. Seriia geologicheskaia [ACADEMY OF SCIENCES OF THE U S.S R Yakut Branch Transactions, Geological Series] Moscow, no. 10, 1963. Geokhimicheskie issledovaniia zolota i redkikh elementov v IAkutii [Geochemical studies of gold and rare elements in Yakutia]

Table of contents translated
Rozhkov, I - Preface p 3.
Razin, L V., Rozhkov, I.S. - Geochemistry of gold in the weathering surface and biosphere of the permafrost region in the Aldan Shield p. 5.
Nekrasov, I IA , Timofeeva, M A. - Mercury in the rocks and minerals of northeastern Yakutia. p 23.
Fierov, B L., Borisenko, D.A. - Indium in lead-zinc deposits in the southern Verkhoyansk Range region. p 39
Nekrasov, I IA., Pakhomova, K.S. - Distribution of rhenium in the rocks and molybdenites of skarn and hydrothermal deposits in northeastern Yakutia. p. 49.
Kosolapova, M N. - Microconstituents in the natural waters of the Olenek basin. p. 56.
Pakhomova, K.S., Vysotskaia, T.A. - Detecting gold in complex geochemical studies p. 75

AKADEMIIA NAUK SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Geology of Ore Deposits, Petrology, Mineralogy, and Geochemistry. Transactions]. Moscow, no. 99, 1963. Voprosy geokhimii [Problems of geochemistry], vol. 5.

Table of contents translated:
Preface. p. 3.
Aldin'ian, N.Kh., Ozerova, N.A., Gipp, S.K. - Distribution of mercury in recent sediments. p. 5.
Aldin'ian, N.Kh., Belavskaia, G.A. - Supergene migration of mercury. p. 12.
Aldin'ian, N.Kh., Shilin, L.L., Belavska, G.A. - Distribution of mercury in the rocks and minerals of the Khibiny massif. p. 16.
Fedorchuk, V.P. - Types of ore indicators used in prospecting for hidden mercury-antimony deposits. p. 26.
Feodot'ev, K.M., Tereshina, I.A. - Some outside factors of the migration of molybdenum. p. 39.
Rekharskii, V.I. - Principal paragenetic association of molybdenite in the Chorukh-Dayron deposit. p. 55.
Smorchkov, I.E., TSeitlin, S.G., Batyreva, N.M. - Forms of uranium occurrences in granitoid rocks of the Kurama zone (Central Asia) p 60.

Danchev, V I - Classification of exogenous uranium deposits p 68.
Volkova, O IU , Germanov, A I - New data on biogeochemistry of the supergene migration of chemical elements p 85.
Chentsov, I.G - Some migration forms of phosphorus. p 101
Perel'man, A I. - Some characteristics of water migration of chemical elements in arid areas p 114
Kozhina, V I. - Some characteristics of water migration of chemical elements in permafrost regions in connection with hydrogeochemical prospecting. p 122
Batulin, S.G. - Migration of iron in gleying in Lower Cretaceous rocks of southeastern Fergana. p. 136.
Zelenova, O.I. - Epigenetic redistribution of iron in red beds of the Kul'dzhuktau. p. 140.
Feodot'ev, K.M., Pilkid'ko, P.L. - Outline of the geochemistry of salts. Pt. 2 Migration of salts in folded areas. p. 147.
Vinogradov, V.I. - Isotope composition of sulfur in the rocks and minerals of the Nikitovka deposit in the Donets Basin. p. 154.
Shilin, L.L., Muravitskaia, G.N., Sidorycheva, A.M. - Distribution of strontium in alkali rocks and minerals of the Khibiny massif. p. 165.
Ploshko, V.V., Lupanova, N.P. - Migration of iron, magnesium, calcium and some other elements in the granitization process of Lower Paleozoic greenstone rocks in the Little Laba basin. p. 177.
Moleva, V.A. - Chemical properties of some elements in connection with their migration. p. 186.

AKADEMIIA NAUK SSSR. Komi filial, Syktyvkar. Institut geologii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Komi Branch. Institute of Geology. Transactions]. Syktyvkar, no. 3, 1962. Materialy po geologii Severnogo Urala i Timana [Materials on the geology of the Timan Ridge and Northern Urals]

Table of contents translated:
Eighty-fifth birthday of A.A. Chernov and the 60th anniversary of his research, teaching, and social activities. p. 5.
Chernov, G.A. - Interrelationship of the Ordovician and the Riphean of the Vangyr Valley in the subarctic Ural Mountain region. p. 15.
Pershina, A.I - Ordovician and Silurian border layers in the Pechora Valley portion of the Urals p. 28.
Vasanof'eva, V A - Stratigraphy of Middle Carboniferous sediments in the Malaya Pechora basin. p. 38.
Ilieev, A.I - Boundary of the Lower and Middle Carboniferous in the Chernyshev Ridge. p. 51.
Kuz'kokova, N.N. - Facies and paleogeography of the Lower Permian in the middle Pechora Valley. p. 55.
Melin, V.A., Budanov, G.T. - Permian and Triassic of the Zimino anomaly area in the southwestern part of the Timan Ridge region. p. 67.
Chalyshev, V.I., Varlukhina, L.M. - Stratigraphy and spore-pollen complexes of Upper Tatarian and Triassic sediments in the Kolva arch p. 78
Kochetkov, O S. - Paleogeography of the Tatarian stage in the northern part of the Russian Platform based on terrigenous components. p. 97.
Deviatova, E.I. - Stratigraphy of Quaternary sediments in the western part of the Timan Ridge region p. 103.

Raznitsyn, V.A. - Development of large platform structures in the Timan-Pechora area. p. 113.
Fishman, M V., Goldin, B.A. - Granitoids converted into albites and greisens in the central part of the subarctic Ural Mountain region. p. 124.
Goldin, B.A. - Vangyr granitoid massif (subarctic Ural Mountain region). p. 136.
Raznitsyna, L.A., Raznitsyn, V.A. - New find of diabase in the Riphean metamorphic layer in the central Timan Ridge. p. 151
IAkulov, K.P., Chulkova, I V. - Leucoxene of Devonian sandstones in the southern Timan Ridge. p. 157.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Institut geologii i geofiziki. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Institute of Geology and Geophysics. Transactions] Novosibirsk, no. 14, 1961

Contents: Ziat'kova, L.K. [Geological and geomorphological methods of detecting local structures; the central part of the West Siberian Plain] Geologo-geomorfologicheskie metody vyiavlenita lokal'nykh struktur, tsentral'naia chast' Zapadno-Sibirskoi nizmennosti. 76 p.

No. 16, 1962. Eksperimental'nye issledovaniia poperechnykh i obmennykh voln; geofizicheskii sbornik [Experimental studies of transverse and transformed waves; geophysical collection], no. 3.

Table of contents translated
Preface. p. 3.
Puzyrev, N.N., Khudobina, L.N. - Survey of experimental studies and some theoretical statements on the study of transverse and transformed waves. p. 7.
Seismotectonic characteristics of the areas of experimental studies. p. 24.
Berdennikova, N.I., Kutichikhina, T.N. - Study of kinematic and dynamic characteristics of transverse and transformed waves in holes. p. 31.

Karzheva, L.V., Puzyrev, N N - Experimental study of transverse head waves. p. 64.
Shcherbakova, B.E - Using the method of transformed head waves in the southwestern part of the West Siberian Plain. p 95.
Nedashkovskii, I.IU., Nikol'skii, E.V , Potap'ev, S V - Testing the methodology of transformed head waves for studying the Paleozoic basement in the southern part of the West Siberian Plain p 113.
Bobrovnik, I.I., Ishchenko, A.IA. - Features of recording transverse waves in swamps. p. 135
Khudobina, L N. - Recording reflected transverse and transformed waves. p. 140.

Nedashkovskii, I.IU., Nikol'skii, E V , Potap'ev, S.V. - Recording PS reflected transformed waves in the southern part of the West Siberian Plain. p 172.
Puzyrev, N.N., Bakharevskaia, T M - Some data on the study of conditions for exciting transverse waves p. 182
Puzyrev, N N. - Some problems in interpreting transverse and transformed waves. p. 201

AKADEMIIA NAUK URSR, Kiev. Instytut geologichnykh nauk. Trudy. Seriia stratigrafii i paleontologii [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S R. Institute of Geological Sciences. Transactions Stratigraphical and Paleontological Series]. Kiev, no 45, 1963.

Contents Kaptarenko-Chernousova, O.K , and others. [Atlas of characteristic foraminifers of the Jurassic, Cretaceous, and Paleogene in the platform part of the Ukraine] Atlas kharakternykh foraminifer iury, mela i paleogena platformennoi chasti Ukrainy. 200 p.

BAKU. AZERBAIDZHANSKII GOSUDARSTVENNYI UNIVERSITET. Uchenye zapiski. Seriia geologo-geograficheskikh nauk [AZERBAIJAN STATE UNIVERSITY. Studies Series in the Geological and Geographical Sciences] No. 5, 1961.

Table of contents translated
Gorin, V.A., Mekhtiev, Sh F. - Depth of the roots of petroleum necks and dikes in the Apsheron Peninsula. p 3.
Gorin, V A , Sultanov, K.M., Zeinalova, Z G. - Lokbatan-Atashkya-Bibieybat tectonic block. p. 9.
Suleimanov, S M. - Geological conditions governing the distribution of asbestos deposits in the ophiolite zone of the Lesser Caucasus. p. 15
Suleimanov, D.M , Shpikov, A B - Characteristics of Quaternary clay rocks in Baku Bay from the viewpoint of engineering geology. p. 21.
Gasanov, A.N. - Prospects for finding oil and gas on Duvannyy Island. p. 31.
Beklashi, S A. - Conditions governing the formation of hornfels and marbles of the contact aureole in the southwestern part of the Megri-Ordubad batholith. p. 37.
Tereladze, A.K. - Division of the Chorokh (Coruh) basin into physicogeographical sections (landforms). p. 43.
Kerimov, N.K. - Karst caves in the vicinity of the Shusha Plateau. p. 51.
Dzhafarov, B.S. - Annual distribution of the mean runoff of the rivers of the northeastern part of the Lesser Caucasus over a period of many years. p. 59.

Mustafaev, M.M. - Change in the formation temperature of the Supra-Kirmaki sand 2 and Supra-Kirmaki sand 1- Supra-Kirmaki clay series developed by artificial methods. p. 71.
Osmanov, I.S. - Distribution and development of the State farms in Azerbaijan. p. 81.
Grigor'iants, B V., Shumygin, A.M. - Sukhyab cliff in the southeastern Caucasus. p 95.
Allakhverdiev, Sh.I - Talc and serpophite in the weathering surface of serpentinites of the Lesser Caucasus. p. 101.
Sheidaev, Ch.M., Alieva, F.IU. - Block map of the section of the Kirmaki series in the Surakhany and Karachukhur deposits. p. 109.
Kuliev, A. - Hydrochemical characteristics of waters in the Kala, Kirmaki, and Supra-Kirmaki sand series of the producing layer in the Neftyanyye Kamni deposit p. 115.

*GEOKHIMIIA [GEOCHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no. 12, 1962.

Table of contents translated:
Uspenskii, V.A. - Geochemistry of the processes of primary oil migration. p. 1027.
Riabchikov, I.D. - Behavior of isomorphic admixtures in the course of crystallization in a multicomponent system. p. 1040.
Sveshnikova, E.V., Kalonchuk, G.E. - Lithium, rubidium, and cesium in alkali rocks of the Yenisey Ridge. p. 1055.
Lin, N.G., Morozov, L.N., Znamenskaia, A.S. - Germanium in granitoids of the Eastern Sayan Mountains. p. 1066.
Chung Chia-jung. - Distribution of selenium in cinnabar from antimony-mercury deposits in southern Fergana. p. 1071.

Rukin, G.A. - Geochemistry of mercury in the Crimean Mountains. p. 1079.
IUshkin, N.P. - Geochemistry of strontium and barium in sulfur sedimentation. p. 1089.

Milovskii A V. - Geochemical characteristics of accessory and ore magnetites (Eastern Sayan Mountains). p. 1094.

Goritskii B. A., Kalinov, G. I. - Relationship between the distribution of accessory elements and the formation of the Upper series in the Krivoy Rog suite. p. 1101.

Vdovykin G. P., Pomortseva, N. V. - New data on the nature of the organic compounds of carbonaceous chondrites. p. 1106.

Vinogradov, A. P. - Discussion on the mechanics of the separation of radiogenic gases. p. 1108.

Gerling, F. K., Morozova, I. M. - Determination of the spectrum of the activation energy values of argon and helium generation from minerals. p. 1108.

Brant, S. B. - Concerning a discussion with F. K. Gerling. p. 1110.

Summaries of the principal articles in "Geochimica et Cosmochimica Acta" 26, no. 5(May), 1962. p. 1123.

Table of contents for 1962. p. 1126.

Author index. p. 1132.

No. 1, Jan. 1963.

Table of contents translated:

Cherdyntsev, V. V., Mikhailov, V. F. - Primary transuranium isotope in nature. p. 3.

Makarov, E. S., Anikina, L. I. - Crystal structure of umohoite $[UMoO_6(H_2O_2)_2].2H_2O$. p. 15.

Gerasimovskii, V. I., Belyaev, Yu. I. - Chromium, nickel, vanadium, and copper contents in alkali rocks of the Kola Peninsula. p. 23.

Godlevskii, M. N., Grinenko, L. N. - Some data on the sulfur isotope composition of sulfides in the Noril'sk deposit. p. 35.

Khitarov, N. I., Ryzhenko, B. N., Lebedev, E. B. - Determination of the electric conductivity of the solutions of sodium carbonate and bicarbonate under hydrothermal conditions. p. 41.

Ukhanovich, G. V., Sendrov, F. P. - Study of the water condition in some zeolites. p. 48.

Ploshko, V. V., Bogdanova, V. I. - Isomorphic replacements in the minerals of the epidote group in the Northern Caucasus. p. 50.

Khalezova, T. D., Sosnovskaia, L. I. - ZrO_2/HfO_2 ratio in zircons from the alkali complex in the Vishnevyye and Il'men Mountains. p. 68.

Shmakov, F. F. - Arsenic in the Cimmerian iron ores of the Azov-Black Sea ore province. p. 70.

Zhigilinskii, A. G., Zaidel, A. N., Kund, G. G. - Spectrum analysis of Pb^{204}. p. 88.

Agamirov, S. Sh. - Uranium sedimentation on the bottom of the Black Sea. p. 92.

Summaries of the principal articles in "Geochimica et Cosmochimica Acta" 26, June, 1962. p. 94.

No. 2, Feb. 1963.

Table of contents translated:

Balashov, Yu. A. - Characteristics of the distribution of crustal rare earth elements. p. 99.

Khomiakov, A. P. - Content-composition ratio of rare earths in minerals. p. 115.

Khlopkii, V. A. - Polarity of isomorphism. p. 122

Eremenko, G. K., Valter, A. A., Klimenchuk, V. I. - Distribution of gallium in alkali rocks as revealed by the study in the region of the Sea of Azov. p. 132

Ryzhenko, B. N. - Determination of the dissociation constants of carbonic acid and calculation of the extent of CO_3^{2-} and HCO_3^- ion hydrolysis in the solutions of carbonates and bicarbonates at elevated temperatures. p. 137.

Lisitsin, A. K. - Media of hydrogeochemical studies. p. 49.

Pliusnina, I. I. - Infrared absorption spectra of beryllium minerals. p. 158

Artemov, Yu. M. - Absolute age of some rocks in the southern part of the Tarakskii massif in the Yenisey Ridge. p. 174.

Rodionov, D. A. - Three-parametric distribution of element contents in rocks. p. 179.

Shcherbina, V. I. - Third All-Union Conference on Metallogeny. p. 185.

Ellanson, M. M. - Concerning I. A. Petersil'e's article "Origin of hydrocarbon gases and disseminated bitumens in the Khibiny alkali massif." p. 188.

Summaries of the principal articles in "Geochimica et Cosmochimica Acta no. 8 (August), 1962. p. 190.

No. 3, Mar. 1963.

Table of contents translated

Vinogradov, A. P. - V. I. Vernadskii; 100th anniversary of his birth. p. 195.

Vinogradov, A. P. - Biogeochemical provinces and their role in the organic evolution. p. 199.

Belov, N. V. - Concerning a fundamental generalization of V. I. Vernadskii. p. 214.

Khitarov, N. I., Pugin, V. A., Chao Ping, Slutskii, A. B. - Interrelations of andalusite, cyanite, and sillimanite under the conditions of moderate temperatures and pressures. p. 219

Shcherbina, V. V. - Differentiation in geochemical processes taking place with the participation of potassium and sodium. p. 229.

Gerasimovskii, V. I. - Geochemistry of fluorine in nepheline syenites p. 237.

Starik, I. E., Sobotovich, E. V., Shats, M. M. - Origin of meteorites and tektites. p. 245.

Cherdyntsev, V. V., Kazachevskii, I. V., Kuz'mina, E. A. - Isotope composition of uranium and thorium in the supergene zone, study of fossil bones, soils, and mollusk shells p. 254.

Tugarinov, A. I., Zykov, S. I., Bibikova, E. V. - Determining the absolute age of sedimentary rocks using the lead-uranium method p. 266.

Florenskii, K. P. - Cosmic dust and the present state of the study of the Tunguska meteorite. p. 284

Beus, A. A., Sobolev, B. P., Dikov, Yu. P. - Geochemical history of beryllium in the processes of high-temperature postmagmatic mineral formations. p. 297.

Riabchikov, I. D., Kogarko, L. N. - Effect of anion substitution on the acidity of magmatic melts. p. 305.

Valiashko, M. G., Polivanova, A. I., Zherebtsova, I. K. - Experimental study of the displacement of solutions of different specific gravity in porous rocks in connection with vertical hydrogeochemical zoning. p. 312

Brucvich, S. V. - Rates of mineralization of suspended organic matter in the low latitudes of the Pacific Ocean in its preseudimentation stage p. 320

Smirnov, S. I. - Probability-statistical estimation of the geochemical background in prospecting for mineral deposits p. 333

No. 7, July 1963.

Table of contents translated

Khitarov, N. I., Kadik, A. A., Lebedev, E. B. - Estimation of the thermal effect of water separation from melts of acid composition based on the albite-water system p. 619.

Malinin, S. D. - Experimental studies of the solubility of calcite and witherite under hydrothermal conditions. p. 631.

Abramovich, I. I., Vysokoostrovskaia, L. B., Dorofeeva, L. F. - Manganese in igneous rocks in the Altai-Sayan fold area. p. 647.

Linkhovich, V. V. - Distribution of Li, Rb, and Sr in vein rocks associated with granitoids p. 652

Borina, A. F. - Aqueous-saline solutions at high pressures and temperatures as a possible medium of ore element transportation in hydrothermal processes. p. 658

Sretenskaia, N. G. - Conditions governing the formation of microcline in pegmatite veins of a region in Kazakhstan. p. 667.

Khalilov, A. D., Makarov, E. S. - X-ray study of the lomonosovite-murmanite group p. 673

Nikolaev, D. S., Fimova, F. I. - Determination of the age of iron-manganese concretions of the Indian and Pacific Oceans. p. 676

Rodionov, D. A. - Characteristics of the distribution of the arithmetic mean under conditions of the asymmetric distribution of contents p. 689.

Kosterin, A. V., Kotolev, D. F., Kazina, V. E. - Rare earths in the Chekhovskoye brown coal deposit. p. 691.

Sitnin, A. A., Razina, I. S. - Chemical composition of lithium micas from methasomatically altered granites. p. 695.

Shukolukov, Yu. A., Mirkina, S. L. - Determination of the absolute age of monazites by the xenon method p. 699

Shcherbakov, Yu. G. - Paragenetic associations and ionic densities of elements in ore deposits. p. 702.

Romov, A. B. - The fifth V. I. Vernadskii Lecture. p. 708.

Summaries of the principal articles in "Geochimica et Cosmochimica Acta," 26, November, 1962

No. 8, Aug. 1963

Table of contents translated.

Vinogradov, A. P., Vdovykin, G. P. - Diamonds in stone meteorites. p. 715.

Shcherbina, V. V. - Relationship between the occurrences of elements in nature in the form of chlorides and fluorides and the place of elements in the periodic system. p. 721.

Sherbina, Yu. P., Kaminskaia, A. B. - Isotopic composition of boron in nature. p. 725.

Gavrilin, R. D., Pevtsova, L. A. - Behavior of lead and zinc in phase and facies magmatic differentiation. p. 732.

Borisenko, L. F. - Some characteristics of the distribution of gallium in ultrabasites. p. 740.

Kaplan, M. E. - Organic matter of stylolites. p. 754.

Shchukin, S. I. - Possibility of using an iron oxidation coefficient for the classification of igneous rocks. p. 759.

Ellanson, M. M., Polykovskii, V. S. - Gas composition of pneumatolytic-hydrothermal solutions. p. 767.

Razenkova, N. I., Poplavko, E. M. - Occurrence form of rhenium in the ores of the Dzhezkazgan deposit p. 777.

Florenskii, K. P. - Geochemical conference dedicated to the 100th anniversary of V. I. Varnadskii's birth. p. 785.

Summaries of the principal articles in "Geochimica et Cosmochimica Acta" 26 December, 1962. p. 790.

GEOLOGICHNYI ZHURNAL [GEOLOGICAL JOURNAL]. Issued by Viddil khimichnykh i geologichnykh nauk Akademii nauk URSR and Holovne upravlinnia geologii i okhorony nadr pry Radi Ministriv URSR [Department of Chemical and Geological Sciences of the Academy of Sciences of the Ukrainian S. S. R. and Main Administration of the Geology and Conservation of Mineral Resources, Attached to the Council of Ministers of the Ukrainian S S R] Kiev, vol 23, no. 3, 1963.

Table of contents translated.

Bielievtsev, IA. M. - Principal characteristics of the metallogeny of the Ukrainian shield. p. 3.

Pogrebniak, V. O. - Stratigraphy and Foraminifera of Carboniferous sediments in the northern margin of the Donets Basin as revealed by the study of the North-Lugansk test hole p 23

Halyts'kyi, I. V. - Some characteristics of the geology and history of the development of salt-dome structures in the southeastern part of the Dnieper-Donets Lowland. p. 36

TSapenko, I. I. - Hydrochemical anomalies in the Volyn' Podolian artesian basin p 50

Evseev, S. V. - Seismicity of Transcarpathia. p. 63.

Tretiak, O. N. - Earth's magnetic field in the Lower Devonian. p 69

Donchenko, K. B. - Some characteristics of the distribution of potassium salt deposits in the sediments of the Volotyshcha series in the cis-Carpathian region p. 74

Kobzar, V. M. - Distribution of accessory elements in metamorphic rocks and migmatites in the region of the western Anna zone of the northern Krivoy Rog Basin. p. 84.

Naumenko, V. V. - Using data on the accessory element content of carbonate rocks as an additional criterion in stratigraphic correlations as illustrated by the study of Paleozoic sediments in the Northern Caucasus p. 95.

Temiuk, F. P. - Correlation of Paleocene and Eocene sediments in the Ukrainian Carpathians. p. 100.

Shakin, V. A., Kantolins'kyi, S. I. - Stratigraphic position of the dark-colored formation in the Lusino-Polyana region of Transcarpathia p. 107

Vinobradov, H. H., Drevin, A. IA., Zhovins'kyi, E. IA. - New data on the tectonics and metallogenetic characteristics of Podolia. p. 111

Krandilevs'kyi, V. S. - Concerning H. H. Astrova's article "Age of Silurian sediments in Podolia" p. 117.

Makarenko, D. IE. - Stages of the Paleogene system in the European part of the U. S. S. R. p. 120

KATALOG KARPATS'KYKH ZEMLETRUSIV [CATALOG OF CARPATHIAN EARTHQUAKES]. Issued by L'vivs'kyi filial Instytutu geofizyky Akademii nauk Ukrains'koi RSR [Lvov Branch of the Institute of Geophysics of the Academy of Sciences of the Ukrainian S. S. R.] Kiev, no. 6(9), 1963

Table of contents translated

List of Carpathian earthquakes in 1960. p. 7

Rudkevych, O. I. - Carpathian earthquakes in 1960 p. 9

Sabalova, H. A. - Earthquake of May 10, 1960 near Storozhinets p. 15

Sihalova, R. M. - Isoseismic lines of earthquakes in the Ukraine. p. 21

Petkevych, H. I. - Modeling seismic phenomena in rock specimens. p. 26

LENINGRAD, NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GEOLOGII ARKTIKI. Sbornik statei po paleontologii i biostratigrafii [SCIENTIFIC RESEARCH INSTITUTE OF ARCTIC GEOLOGY. Papers on Paleontology and Biostratigraphy]. No. 28, 1962

Table of contents translated:

Vinogradov, V. A. - Stratigraphy of Sinian and Cambrian sediments in the northern Karatakh. p. 5

Musalitin, L. A. - Stratigraphic section of Ordovician and Lower Silurian sediments on the left bank of the Salyndzha (Selennyakh Range). p. 23.

Grushevskii, I. I., Medvedev, L. N. - Preliminary data on the use of the coleopterological analysis in studying Quaternary sediments of northern Yakutia. p. 36.

Basov, V. A., Dibner, V. D. - Fauna in the sediments of a 120-140 meter sea terrace of the lower Lenivaya (Kharlton Laptev Coast). p. 42.

Vostokova, V. A. - Cambrian Gastropoda of the Siberian Platform and Taymyr Peninsula. p. 51.

Ustritskii, V. I. - New data on Permian Brachiopoda of Spitsbergen. p. 74

Drozdova, I. N. - Possibility of the determination of the wood of Cordaites in thin and polished sections of fossil coal. p. 90.

Shvedov, N. A. - New effective ultrasonic method for a large-scale treatment of rock samples for the spore-pollen analysis. p. 93.

LENINGRAD, VSESOIUZNYI GEOLOGICHESKII INSTITUT. Trudy [ALL-UNION GEOLOGICAL INSTITUTE. Transactions]. Vol. 80, 1962. Osnovnye i ul'traosnovnye magmaticheskie formatsii platform i podvizhnykh poiasov [Basic and ultrabasic igneous formations of platforms and mobile zones].

Table of contents translated:

Ushakova, Z. G. - Lower Paleozoic trap formation in the western part of the Russian Platform. p. 3.

Mikhailov, N. P. - Intrusive ophiolite complexes in western Kazakhstan. p. 109.

83, 1962. Materialy po geologii mestorozhdenii
nemetallicheskikh poleznykh iskopaemykh [Materials
n the geology of nonmetallic mineral deposits]
Table of contents translated
Zakharchenko, A.I. - Basic genetic characteristics
of the commercial deposits of piezoblotic minerals
and prospecting indications connected with them.
p. 3.
Berger, V.I., Moskalink, A.A. - Genesis of crystal-
bearing veins in the Aldan Shield. p. 33.
Bytsk, IU.E. - Effect of disjunctive dislocations on
the distribution of pegmatites in the northwestern
part of the White Sea region. p. 49
Borovikov, P.P. - New commercial type of vermicu-
lite deposits. p. 71.
Bolov'ev, A.T., Chuplov, V.V. - Association of the
fluorite mineralization with intrusive formations
in western Transbaikalia. p. 83.
Bolov'ev, A.T. - Structural characteristics of ores
in the Kalanguy (western Transbaikalia) fluorite
deposit and their genetic significance. p. 91.
Borenevskii, S.M., and others. - New data on the
structure and potassium potential of the Stebnik
deposit region p. 101.
Voronova, M.L., and others. - Geology and minero-
petrographic characteristics of the halogen rocks
in the Linovka structure. p. 117.
Glukov, V.P. - Correlation of sections of Devonian
halogen layers in the Pripet fault and Dnieper-
Donets Lowland. p. 129.
Ivanov, A.A. - History of the discovery of the
Verkhnekamsk potassium salt deposit. p. 137.
Vadim Sergeevich Meleshchenko, obituary. p. 140.

MINERAL'NOE SYR'E [MINERAL RAW MATERIALS].
Issued by Vsesoiuznyi nauchno-issledovatel'skii insti-
ut mineral'nogo syr'ia [All-Union Scientific Research
nstitute of Mineral Raw Materials]. Moscow, no. 7,
963.
Table of contents translated:
Bozhkova, E.V. - V.I. Vernadskii and modern mine-
ralogy. p. 7.
Bondzhi, G.S. - Crystallochemical and "Bohr" radii.
p. 11.
Bocharnikova, V.V., and others. - Factors affecting the
endogenetic distribution and concentration of
beryllium and lithium. p. 18.
Bondzhi, G.S., Grigor'ev, V.M., Churbakov, V.F. -
Conditions governing the accumulation and charac-
teristics of the distribution of germanium in iron
ores. p. 28.
Bavidenko, I.V. - Alkalinity and acidity of the pegma-
tite process. p. 34.
Bocharnikova, V.V. - Chemical and crystallochemical
factors determining mineral stability. p. 39
Bozhkova, E.V., and others. - New methodological
approach to the study of typomorphic characteris-
tics of minerals based on beryllium. p. 45.
Baul'kova, N.N. - Blue-violet fluorescence of fluor-
spar. p. 55.
Barshova, K.S., Malinko, S.V., Solntseva, L.S. -
Water in calcium metaborates. p. 62.
Bocharnikova, O.V. - Effect of the concentration of ele-
ments and pH of their sedimentation. p. 71.
Baidukova, V.S., Polupanova, L.I., Stollarova, T.I. -
Batchelorite from carbonatites of Siberia. p. 86.
Borzhevskaia, S.A., Siderenko, G.A. - Main charac-
teristics of the minerals of the samarskite struc-
tural type. p. 96.
Budrina, M.A. - Some characteristics of the miner-
alogy and geochemistry of niobium and tantalum in
the pneumatolytic-hydrothermal metasomatic pro-
cess associated with subalkali rocks. p. 108.
Boretskii, IU.K., Terent'eva, K.F., Pasova, F.G. -
Bauxites of some deposits in the Republic of Guinea.
p. 116.
Basitsyn, A.E. - Some geochemical characteristics
of boron in the formation process of calcareous
skarns in the Urals. p. 139.
Batrova, E.A. - Alkali pneumatolytic-hydrothermal
metasomatism in syenites of eastern Tuva. p. 147.
Baliakova, V.M. - Some geochemical characteristics
of phosphorites and enclosing rocks in northern
Kazakhstan. p. 156.
Bogrykina, N.V. - Migration of aluminum in the
weathering surface of Caucasian subtropics. p. 167.
Bokalov, V.T. - Mode of rhenium occurrence in
molybdenite. p. 170.
Bogutova, V.G. - Skeleton crystals of siderite. p. 182.
Bobrikin, V.M. - Germanium in asphaltites from the
Urals. p. 185.

BOVSKOE OBSHCHESTVO ISPYTATELEI PRIRODY.
Biulleten' [MOSCOW NATURALISTS' SOCIETY. Bul-
tin]. New series, vol. 68. Otdel geologicheskii [Geo-
gical Section]. Moscow, vol. 38, no. 3, May-June
63.
Table of contents translated:
Bogdanov, A.A., Muratov, M.V., Khain, V.E. -
Basic structural elements of the earth's crust;
in connection with the discussion of legend plan
for the second edition of the International Tectonic
Map of Europe made on a 1:2,500,000 scale. p. 3.
Bokmann, IU.M. - Significance of continental drift
for paleoclimatology. p. 33.
Balyshov, V.I. - Stratigraphy of the Upper Permian
and Triassic in the Northern Ural region. p. 45.
Kuznetsova, K.I., Shlezinger, A.E. - Upper Jurassic
sediments in the submerged zones of the Mangy-
shlak Peninsula. p. 60.
Milanovskii, E.E. - Paleogeography of the Caspian
basin in the Middle and in the beginning of the
Late Pliocene, Balakhany and Akchagyl stages.
p. 77
Khvorova, I.V., Eliseeva, T.G. - Structural char-
acteristics of tuff turbid materials of the Irendyk
series. p. 87
Saukov, A.A. - Vladimir Ivanovich Vernadskii, on the
100th anniversary of his birth. p. 99.
Florenskii, K.P. - V.I. Vernadskii as naturalist.
p. 111.
Varsanof'eva, V.A. - Aleksandr Aleksandrovich Cher-
nov, obituary. p. 120
Activity of geological sections of the Moscow Natu-
ralists' Society. p. 123.
Supplements. p. 133.

OCHERKI REGIONAL'NOI GEOLOGII SSSR [STUDIES
ON THE REGIONAL GEOLOGY OF THE U.S.S.R.].
Moscow, no. 6, 1963.
Contents Milanovskii, E.E., Khain, V.E. Geol-
ogy of the Caucasus] Geologicheskoe stroenie Kav-
kaza 355 p.

SIBIRSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT
GEOLOGII, GEOFIZIKI I MINERAL'NOGO SYR'IA.
Trudy [SIBERIAN SCIENTIFIC RESEARCH INSTI-
TUTE OF GEOLOGY, GEOPHYSICS, AND MINERAL
RESOURCES Transactions]. Leningrad, no. 23, 1962.
Materialy po paleontologii i stratigrafii Zapadnoi
Sibiri [Materials on the paleontology and stratigraphy
of Western Siberia].
Table of contents translated:
From the editor. p. 3.
Bulatova, Z.I. - Some Reophacidae from Cretaceous
sediments in the West Siberian Plain. p. 5.
Kisel'man, E.N. - New foraminiferae species from
Danian sediments in the West Siberian Plain. p. 14.
Tanacheva, M.I. - New data on the distribution of the
Discorbis containing zone in the West Siberian
Plain. p. 18.
Putria, F.S. - Nonionidae from Upper Cretaceous
and Paleogene sediments of the West Siberian
Plain p. 26
Fridman, E.V. - Paleocene complexes of foraminif-
ers in the West Siberian Plain. p. 52.
Dubrovskaia, N.F. - Trochammina polymera zone in
Valanginian sediments of the northwestern part of the
Ural Mountain portion of Tyumen' Province. p. 68.
Bulynnikova, S.P. - Foraminifers of the Lower Volga
stage from the sections of the Yeloguy and Turu-
khansk key holes. p. 74.
Levina, V.I. - Distribution of the complex with Re-
curvoides scherkalyensis in Upper Jurassic sedi-
ments in the southwestern part of the West Siberian
Plain. p. 80.
Bulynnikova, S.P. - Find of Callovian foraminifers
in the northwestern part of the West Siberian Plain.
p. 88.
Gorbovets, A.N. - New finds of Upper Jurassic radio-
larians. p. 98.
Vekshina, V.N. - Coccolithophorids of the Mar'yanov-
skaya series in the West Siberian Plain. p. 101.
Rubina, N.V. - New species of the genus Meloslra
from the Turtasskaya series in the West Siberian
Plain. p. 104.
Klimova, I.G., Zaitseva, T.F. - First finds of
ammonites Spectoniceras in Western Siberia.
p. 108.
Kurbatova, A.A. - Lower Triassic spore-pollen com-
plex of the Kuznetsk Basin. p. 114.
Ivanovskii, A.B. - Devonian fauna in the Silurian of
the Siberian Platform. p. 120.
Ivanovskii, A.B. - Two new species of Silurian Ru-
gosa. p. 125.
Mironova, N.V. - Tom'-Chumysh layers in the Salair
Ridge and their analogues in Western Europe and
the U.S.S.R. p. 134
Cherepinina, S.K. - New genus of Ordovician tetra-
corals in the Gornyy Altai. p. 140.
[Aroshinskaia, A.M. - Some representatives of
Bryozoa of the Upper Ordovician family Monticuli-
poridae from the Gornyy Altai. p. 143.
Dzhubo, P.S. - New Ordovician genus of Tabulata in
the Gornyy Altai. p. 154.
Egorova, L.I. - Find of a new species of the genus
Glabrella in the Lower Cambrian. p. 158.
Poletaeva, O.K. - Some new finds of Cambrian trilo-
bites in the Gornyy Altai. p. 162.
Bochkov, E.P. - Device with meniscus manipulators
for studying microscopic objects in transmitted
light. p. 170.
Khalfin, L.L. - Boundary of the Silurian and Devo-
nian; concerning O.I. Nikiforova and A.M. Obut's
articles. p. 175.

No. 27, 1962. Materialy po geologii, gidrogeologii geo-
fizike i poleznym iskopaemym Zapadnoi Sibiri
[Materials on the geology, hydrogeology, geophysics,
and minerals of Western Siberia].
Table of contents translated:
Preface. p. 3.
Tuezov, I.K. - Characteristics of the second struc-
tural stage of the southern part of Western Siberia
based on geological and geophysical data. p. 7.
Zhero, O.G. - Basic characteristics of the tectonics
and oil potential of the basement in the northern
part of the Turgay trough. p. 25.
Markevich, V.P., Kalinina, M.I. - Geology of the
Berezovo gas-bearing region p. 35
Mel'nikov, N.V. - Some characteristics of the dis-
bution of joints in an anticline p. 42.
Dladiuk, N.P., Nikonov, V.G., Mizinov, N.V.
Outlook for finding oil in the northern part of the
Turgay trough p. 54.
Sorokina, E.G. - Classification of Cretaceous coal
facies in the middle Ob' Valley p. 63
Volkov, A.M. - Some results of gas and hydro-
cal studies in the northeastern part of the West
Siberian Plain. p. 72
Zakharevich, IU.I., Telezhenko, V.P., Gonchar-
IU.V - Improvement of an ultrasonic UZG pulse
pulse seismoscope. p. 79.
Moslenko, B.A. - Asymmetry of the reading of
M-14-F magnetometer and consideration of its
effect in determining the magnetic properties of
rock samples. p. 87.
Efremov, V.P., Okunev, V.E., Kim, D.V. - Soviet
automatic recorder for logging. p. 92
Telezhenko, V.P., Gorshenin, IU.V., Dergunov,
L.M. - Dynamic characteristics of seismic re-
cordings in the case of wedge-shaped layers (based
on modeling data. p. 95
Efremov, V.P. - Quantitative interpretation of
gamma logging data. p. 122.
Brindzinskii, A.M., Kats, S.A. - Some characteris-
tics of the excitation of high-frequency waves
p. 127.
Rabinovich, B.I. - Taking into account vertical sur-
face in the interpretation of electric prospecting
p. 132.
Konstantinov, G.N., Konstantinova, L.S. - Inter-
tation of magnetic anomalies by the curvature of
horizontal gradient of Z function. p. 140.
Platnitskii, V.K. - Interpretation of the curvature of
the horizontal gradients of magnetic anomalies
p. 145.
Platnitskii, V.K. - Determination of basic parameters
of a magnetic body. p. 153.
Konstantinov, G.N., Konstantinova, L.S. - Calcula-
tion of pseudogravitational anomalies and the de-
termination of the angle of slope in magnetization
vector. p. 165.

*SOVETSKAIA GEOLOGIIA [SOVIET GEOLOGY]. Organ
of Ministerstvo geologii i okhrany nedr SSSR [Ministry
of Geology and the Conservation of Mineral Resources
of the U.S.S.R.]. Moscow, vol. 6, no. 6, Aug. 1
Table of contents translated:
Gorzhevskii, D.I., Kozorenko, V.N. - Facies of
abyssal igneous rocks and endogenetic mineral
deposits. p. 3.
Abdullaev, Kh.M., Borisov, O.M. - Development of
median massifs p. 17.
Gogel', Zhan. - Analysis of fold formation mecha-
nism. p. 27.
Spizharskii, T.N. - Boundary between the Cambrian
and the Pre-Cambrian. p. 40.
Zubakov, V.A. - Geological synchronization and
climatic stratigraphy. p. 49.
Ellern, S.S., Valeev, R.N., Sitdikov, B.S. - Ba-
characteristics of the distribution of Devonian
volcanic formations in the eastern part of the Rus-
sian Platform. p. 66.
Makarenko, F.A., Mavritskii, B.F. - Thermal as-
overheated waters in the U.S.S.R. p. 78.
Bilyk, O.D. - New data on the Pre-Jurassic relief
in the northwestern part of the Dnieper-Donets
Lowland. p. 95.
Subbota, M.I. - More about the classification of
volcanoes. p. 98.
Rostovtsev, K.O., Kornev, G.P. - Lower and Middle
Jurassic sediments of the northwestern Caucasus
p. 100.
Ivanov, A.A., Shoshukov, N.G., Saprykin, F.A. -
Wood remains in salt deposits. p. 107.
Zhdanov, V.V. - Some problems of the formation of
ultrabasic belts. p. 111.
Andreev, B.A., Rivosh, L.A. - Increasing the geo-
logical effectiveness of aeromagnetic surveying
p. 116.
[Akovleva, E.B. - "Automagmatic" breccias in
Kazakhstan. p. 119.
[Anov, E.N. - Conference on postgeosynclinal magmatic
structures. p. 124.
Stepanov, D.L. -Ninth session of the All-Union
Paleontological Society. p. 126.
Resolutions of the ninth session of the All-Union
Paleontological Society. p. 132.
Koptev-Dvornikov, V.S., Liakhovich, V.V. - Results
of the First Meeting on the Methods for Studying
Accessory Minerals in Igneous Rocks. p. 134.
Garetskii, R.G. - Structure of recent (Epipaleozoic)
platforms and their oil and gas potentials discussed
at the Meeting on Tectonics." p. 137.
Polarkov, V.E., Polarkov, B.V. - N.M. Sinitsyn's
works and geological characteristics of the dis-
tribution of mercury and antimony deposits. p. 143.
Posokhov, E.V. - Concerning V.I. Gurevich's article
"Metamorphism of underground waters in the
process of katagenesis." p. 148.
Gurevich, V.I. - Discussions on the origin of calcium
brines; reply to Professor E.V. Posokhov. p. 150
Shvetsov, P.F. - Good beginning in the definition of
terms in hydro- and engineering geology. p. 152

TASHKENT SREDNEAZIATSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GEOLOGII I MINERAL'NOGO SYR'IA. Trudy [CENTRAL ASIATIC SCIENTIFIC RESEARCH INSTITUTE OF GEOLOGY AND MINERAL *RESOURCES* Transactions], No 2, 1961.

Contents: Beder, B. A. [Artesian waters in southwestern Uzbekistan] Artezianskie vody IUgo-Zapadnogo Uzbekistana. 46 p.

13. SCIENCE

a GENERAL

AKADEMIIA NAUK SSSR. Doklady [ACADEMY OF SCIENCES OF THE U.S.S.R. Reports] Moscow, vol 151, no.1, July 1963.

Table of contents translated.

MATHEMATICS:

Belitskii, G.R. - Chains of matrix norms. p. 9

Borovkov, A.A., Rogozin, B.A. - Asymptotic representations in certain problems for two-dimensional random walks. p 11.

Bronshtein, I.U. - Recursion, periodicity, and transitivity in non-unique dynamic systems. p. 15.

Gavrilov, V.I. - Boundary behavior of functions meromorphic within a unit circle. p. 19

Gromyko, V.P. - A new specialty test for p d-groups with a given number of classes of unattainable isoscle p^d-subgroups. p. 23.

Zukhovitskii, S.I., Poliak, R.A., Primak, M.E. - Algorithm for solving the problem of convex Chebyshev approximation. p. 27.

Kokorin, A.I. - Continuous ordering of groups. p. 31.

Ostrovskii, I.V. - A problem from the theory of distribution of values. p. 34.

Pak, I.N. - Properties of the sums of some trigonometric series. p. 38.

Pekelis, A.S., Sadovskii, L.E. - Projections of a metabelian torsion-free group. p. 42.

Petersen, I. - Convergence of gradient methods for determining the local conditional minimum of a nonlinear functional under linear conditions in Hilbert space. p 45.

Platonov, V.P. - Solvable algebraic groups. p. 48.

Riabov, IU.A. - Some asymptotic properties of linear systems with a small delay. p. 52.

Tomchuk, IU.IA. - Polynomials orthogonal on a given system of arcs within a unit circle. p. 55.

Tonolan, R.N. - Some equivalent transformations of algorithm schemes. p. 59.

Usol'tsev, L.P. - Exponential rational trigonometric sums of a special type. p. 62.

Filippov, A.F. - Differential equations having a many-valued discontinuous right-hand side. p. 65.

Chernavskii, A.V. - Open manifold mappings of finite multiplicity. p. 69.

Shmel'kin, A.L. - Free polynilpotent groups. p. 73.

IAkut, L.I. - Convergence of difference schemes. p. 76.

CONTINUUM MECHANICS

Alfev, Kh.M. - Destruction shock wave in brittle media. p. 80.

MATHEMATICAL PHYSICS:

Stepanov, B.M. - Construction of S-matrices. p. 84.

PHYSICS

Kravtsov, N.V., Lazukin, V.N., Shanditsev, V.A. - p. 87.

Semenova, O.P., Levchenko, M.A. - Radiation from readily ionizable impurities in a plasma in the case of thermal excitation. p. 90.

TECHNICAL PHYSICS:

Oding, I.A., Ivanova, V.S., Liberov, IU.P. - Principal requirements for correlating the criteria of static and cyclic strength of metals. p. 92.

CHEMISTRY:

Boom, E.A. - Mechanism of albumin modification. p. 96.

Golodov, V.A., Fasman, A.B., Sokol'skii, D.V. - Catalytic reduction of p-benzoquinone by carbon monoxide in the liquid phase. p. 98.

Grebenshchikov, R.G., Totopov, N.A. - Energy of the complex crystal lattice of silicates. p. 102.

Kochetkov, N.K., Dmitriev, B.A. - Wittig reaction in the carbohydrate series. p. 106.

Razuvaev, G.A., and others. - Initiation of low temperature polymerization of vinyl chloride by triethylaluminum aided by the coacatalytic action of oxygen. p. 110.

Topchiev, A.V., Almilla, V.P., Vagin, M.F. - Synthesis of o-fluoro-ω-nitrostyrene and a study of its polymerization capacity. p. 114.

PHYSICAL CHEMISTRY:

Berg, L.G., Kovyrzina, V.P. - Effect of admixtures on the dissociation of cadmium carbonate. p. 117.

Vainshtein, E.E., Staryi, I.B., Bril', M.N. - X-ray absorption L-spectra of lanthanum, praseodymium, neodymium, and samarium in oxides and fluorides. p. 120.

Dmitrievskii, O.D., Terenin, A.N. - Processes involved in intermolecular electron transfer under pulsed illumination. p. 122.

Kasatochkin, V.I., Egorova, O.I., Asoev, IU.G. - Atomic structure of the polyyne form of carbon. p. 125.

Libinson, G.S. - Diffusion of organic cations in sulfocation exchangers. p. 127.

Poliakov, A.M., Krotova, N.A. - "Mechanoelectron" emission intensity during the break-off and deformation of polymer films. p. 130.

Pchelin, V.A., Grigor'eva, N.V., Izmailova, V.N. - Effect of the fixation of polypeptide chains in two conformations. p. 134.

Sidorov, L.N., Akishin, P.A. - Mass spectrometric method for determining partial vapor pressures and relative ionization cross sections of molecules from total evaporation isotherms. p. 136.

Tager, A.A., Dreval', V.E. - Effect of the molecular weight of polyisobutylene on the viscosity and heat of activation of its concentrated solutions. p 140.

Florianovich, G.M., Kolotyrkin, IA M. - Passivation characteristics of iron-base alloys. p. 144.

Shliapnikov, IU.A., and others. - Participation of the inhibitor in the act of degenerated chain branching. p. 148.

IAo Lu-an' [Yao Lu-an]. - Effect of adsorption on the rate of processes taking place on a platinum electrode in the system quinone - hydroquinone. p. 151.

CHEMICAL TECHNOLOGY

Dobolev, V.K., Karpukhin, I.A. - Physicomechanical properties of explosive eutectic alloys. p. 155.

GEOLOGY.

Zvedeı, L.N. - Diamond potential of the Jurassic of the southern Angara-Vilyuy trough. p. 158.

Isakova, V.S. - Recent data on the geology of the Lake Baikal region. p. 161.

Kazenkina, G.A., Ladokhin, N.P. - Vertical distribution of recent sediments of Posol'sk Inlet on Lake Baikal. p. 165.

Karlov, N.N. - Recent data on the conditions of deposition of sands of the Sivash series in the area of Dnepropetrovsk. p. 168.

Kordikov, A.A. - Correlating a coal-bearing formation *by heavy minerals.* p. 171.

Lavrov, V.V. - Basic rythms in a cross section of the Upper Jurassic in the western Kansk-Achinsk coal basin. p. 175.

Lukin, A.E. - Epigenetic zoning of rocks of the Shigneta series in the Ona River area of the Western Siyan Mountains. p. 178.

MINERALOGY

Makarov, N.N., Suprychev, V.A. - Epimagmatic montmorillonite from tuff breccia of paleolipanite in Karadag (Crimea). p. 181.

PETROGRAPHY:

Vyshemirskii, V.S., Krotova, V.A. - Particle-size distribution of Bashkirian and Vereya sandstones of the Volga-Don region. p. 185.

Zaritskii, P.V. - Time of the formation of carbonate nodules with a cone-in-cone texture. p. 189.

LITHOLOGY:

Sen'kovskii, IU.N. - Genesis of Upper Cretaceous tripoli in the southwestern edge of the Russian Platform. p. 193.

GEOCHEMISTRY:

Kizil'shtein, L.IA., Siuniakova, N.N. - Use of the methods of mathematical statistics in analyzing the accumulation of germanium in coal. p. 196.

CYTOLOGY.

Mashanskii, V.F. - Some new data on the interrelations between mitochondria and the channels of endophasmatic reticulum. p. 198.

HISTOLOGY:

Katanel'son, Z.S., Ledlaeva, E.M., Aleksandrova, V.P. - Fetal adrenal cortex in swine. p. 201.

GENETICS:

Pomerantseva, M.D., Ramaiia, L.K. - Genetic consequences of the action of fast neutrons on sexual *cells in male mice.* p. 203.

ECOLOGY:

Kamshilov, M.M., Fishkova, E.S. - Effect of ultraviolet rays on the numerical variations of bacteria in experimental biocenoses. p. 206

BIOPHYSICS:

Barsukov, V.S., Malinovskii, O.V., Mitiushova, N.M. - Dynamics of the postradiation restoration of yeast cells as related to the dose of gamma irradiation. p. 209.

Kalashnikova, M.M. - Reparative in rats after the local X-ray ir

Nekrasova, I.V. - Study on the pr cystamine on the cells of ascit noma, irradiated in vivo and in

BIOCHEMISTRY:

Venkstern, T.V., and others. - O the ribonuclease hydrolysate of containing minor components.

Golub, E.I., Dvorkin, G.A. - Bir ribonucleoproteid solutions in a p. 224.

Evstigneev, V.B., Gavrilova, V. Mechanism of the photosensitiz phyll. p. 227.

Zaprometov, M.N., Bukhlaeva, V acid in tea leaves. p. 231.

Oparin, A.I., Serebrovskaia, K.I S.A. - Oxidation-reduction pro vate drops; dehydration of DPN p. 234.

Tikhonenko, T.I., and others. - I thermal denaturation of deoxyr p. 237.

Vol. 151, no. 3, July 1963.

Table of contents tran

MATHEMATICS.

Vinogradov, A.I. - Siegel's zero

Gametskii, A.F. - Optimality of tice of the first type among of an arbitrary number of dir

Gluskin, L.M. - Semipiles with p. 485.

Ivanov, V.V. - Wiener-Hopf's e kind. p. 489.

Kudriavtsev, V.B. - Cardinal numbers of sets of pre- B 12c-13a complete classes of certain functional systems related to automata. p 493.

Sibirskii, K.S. - Invariants of linear representations of a group of plane rotations and the problem of the center. p. 497.

Tikhonov, A.N. - Solution of incorrectly formulated problems and the regularization method. p 501

Khavin, V.P. - Analytic representation of linear functionals in spaces of harmonic and analytic functions continuous in a closed region p. 505.

Shalaevskii, O.V. - Nonexistence of regularly varying tests for the Behrens-Fisher problem. p 509.

Shalov, V.M. - Solution of non-self-adjoint equations by the variational method p. 511.

IAnovskaia, E.B. - Quasi-invariant kernels in antagonistic games. p. 513.

CYBERNETICS AND REGULATION THEORY

Verkhovskii, B.S. - Multidimensional problems of linear programming similar to the transportation problem. p. 515

AERODYNAMICS.

Barbenova, T.V., Lobastov, IU.S. - Measuring the time of establishment of an equilibrium concentration of electrons behind a shock wave in the air. p 519.

Nikol'skii, A.A. - Three dimensional uniform expansion and compression of a rarefied gas with power functions of interaction. p. 522.

FLUID MECHANICS.

Vasil'ev, O.F., and others. - Numerical method for calculating the propagation of long waves in open river beds and its application to the flood problem. p. 525.

THEORY OF ELASTICITY.

Nikishin, A.A., Rabinovich, A.L. - Some problems bearing on a cylindrical flexure of three-layered plates with allowance for highly elastic deformation of the casing made of glass plastics. p. 528

ASTRONOMY.

Kotel'nikov, V.A., and others. - Radar observations of Venus in the Soviet Union during 1962. p 532.

Nikol'skii, G.M. - Soft X-ray radiation from the *stars.* p. 536

PHYSICS:

Zav'ialov, O.I. - Majorization technique in quantum *mechanics.* p. 539.

Potapkov, N.A. - Magnetic anisotropy of uniaxial ferromagnetics. p. 543.

Staniukovich, K.P. - Generalization of Friedman's models of the universe. p. 546

Starodubtsev, S.V., Kiv, A.E. - Ionization mechanism underlying the appearance of structural defects in crystals. p. 550.

TECHNICAL PHYSICS.

Aleksandrov, L.N., Liubov, B.IA - Theory of the growth of beinite crystals in the intermediate transformation of austenite. p. 552.

Palatnik, L.S., and others. - Electron diffraction study of elastic deformation in thin condensed polycrystalline films of aluminum and silver. p. 556.

GEOPHYSICS

Gringauz, K.I., and others. - High-altitude distribution of charged particles in the ionosphere and the transition zone between the oxygen and helium ionic layers as revealed by ion trap tests taken in the "Kosmos-2" satellite. p. 560.

CRYSTALLOGRAPHY:

Sirotin, IU.I. - Integral rational bases of tensor invariants of crystallographic groups. p. 564.

CHEMISTRY:

Andreeva, M.V., Siroganov, E.V. - Spectrophotometric study of ethanol solutions of $CoCl_2$ and $CoBr_2$ with a high concentration of Cl^- and Br^- p. 56

Glukho

Br

B 17a Gol'danskii, V.I., Solomenko, T.A., Shantarovich, V.P. - Quenching of positronium and the inhibition of its formation in aqueous and organic solutions p. 608.
Gilbov, L.A - Physical meaning of force constants and the construction of the potential function of *polyatomic molecules* p. 612
Kitchinar, S.I. - Contribution to the theory of the growth of whiskers on a cathode p. 616
Markin, V.S. - Capillary equilibrium in a porous *body model* with intersecting pores of variable cross-sections p. 620.
Malanin, L.S. - Intramolecular rearrangement p. 624
Sorkin, E.S., Vaisfel'd, N.M. - Structural changes in certain gypsums during the formation of sitalls p. 629
Chelobov, I.N., and others. - Ionization and dissociation of hexathiopropylene by electrons of varied *energies* p. 631
CHEMICAL TECHNOLOGY.
Georgieva, V.S., Pisarenko, A.P., Shtarkh, B.V. - Modification of polymers as a method for the *production* of porous structures. p. 634.
Fedoseev, S.D. - Kinetics of heterogeneous reactions under anisothermal conditions p. 638
GEOLOGY
Bellchenko, V.G. - Recent finds of archaeocyathem fauna in the upper Dzhida River (southern Lake *Baikal region*). p. 642.
Borovikov, L.I., Krys'lov, L.N. - Cambrian sediments in the Kendykty Mountains (southern Kazakhstan). p. 644.
Volkov, I.A. - Traces of a powerful flow in river valleys of the southern part of Western Siberia p. 648
Zhelubovskaia, K.V., Ladyshkina, T.I. - Post-glacial history of the Baltic region based on diatom and palynological studies of a section of the Lakhtinskiy trough. p. 652
Kaleda, G.A. - Study of the development of fracto-conformable tectonic structures by the method of lithological and statistical analysis p. 656.
Oborin, A.A - Facies of terrigenous salts in Kungurian halogen sediments of the cis-Ural trough in the area of the Shumilovo salt deposit. p. 659
Ostrovskii, A.B. - Neogene sediments of the Khoper-Buzuluk interfluve p. 663.
Rostovtsev, K.O - Lower Jurassic sediments in the zone of longitudinal depressions in the alpine part of the northern slope of the western Caucasus. p. 667.
MINERALOGY:
Grigor'ev, A.P., Nekrasov, I.IA. - Hydrothermal synthesis of minerals of the ludwigite-vonsenite series. p. 671.
PETROGRAPHY
Kopelovich, A.V., Simanovich, I.M. - Structure of differential sliding in quartzite sandstones of Jotner strata in the Lake Onega region. p. 675.
GEOCHEMISTRY.
Kuznetsov, S.I., Romanenko, V.I. - Oxidation-reduction potential of the surface layers of silt deposits in various types of lakes. p. 679.
PALEONTOLOGY
Vologdin, A.G. - Stromatolites and phototropism. p. 683.
CYTOLOGY:
Zolnikovskaia, A.I. - Studying the mitotic cycle in marrow cells of mice by the method of radioautography. p. 687.
HISTOLOGY.
Dolbin, V.I. - *Histochemical study of the activation* of lipolytic enzymes in response to local cholesterol administration. p. 691.
Lavrinenko, V.M. - Changes in the nucleoproteins *of spinal ganglia in irradiated animals.* p. 694.
Savinovskaia, A.A. - Alkaline phosphatase in the peritoneum and muscle fibers of the abdominal wall in rabbits. p. 697.
ECOLOGY:
Dubinin, E.I. - Effect of Rapana bezoar Linné (Mollusca, Muricidae) on the fauna of the Black Sea. p. 700.
MICROBIOLOGY.
Khmel', I.A. - Cell composition of Torula utilis under conditions of synchronous reproduction. p. 704.
Shaposhnikov, V.N., Balitskaia, R.M., Kondrat'eva, E.N. - Effect of some reducing agents on the development of green sulfur bacteria and the synthesis of bacterioviridin by them at various light intensities. p. 708.
BIOPHYSICS:
Korchak, I.I., Speranskaia, T.A. - Effect of some protective substances on changes in the reactivity of tissue sulfhydryl groups in irradiated animals. p. 712.
Malstrakh, E.V., and others. - Cybernetic control of the process of reversible hypothermia. p. 714.
Chetverikov, D.A., Gasteva, S.V. - Permeability of the hematoencephalic barrier to inorganic phosphate in acute radiation sickness. p. 718.
BIOCHEMISTRY:
Dezinger, E.N., and others. - Isolation and characteristics of lipoproteins from bean chloroplasts p. 722.
Dechev, G.D., Moiseeva, L.N., Pasynskii, A.G. - Role of the inhibition of enzymes by reaction products in an open system. p. 725.
Egorov, I.A., Rodopulo, A.K., Pisarnitskii, A.F. - Determining higher alcohols in cognac by gas-liquid chromatography p. 729.
PLANT PHYSIOLOGY
Bychenkova, E.A. - Investigation of callus formation in some tree and shrub species by tissue culture in vitro. p. 732.
PHYSIOLOGY
Petrova, D.V. - Characteristics of gas exchange in caterpillars of the Chinese tenah moth during molt. p. 737.
Shtark, M.B., Danilink, V.P. - Induced potentials in the cerebral cortex of hibernating animals. p. 740

Vol. 151, no 5, Aug. 1963
Table of contents translated
MATHEMATICS
Aleksandrov, I.A. - Variational method of solving extremum problems in certain classes of analytic functions p. 969.
Bitsadze, L.I. - Evaluations in the theory of regular functions of two complex variables p. 1003.
Berkovich, IA.G - Characterization of certain classes of finite groups p. 1007.
Van Shen-yan [Wang Sheng-yuan] - Complete continuity and strong continuity of Urysohn integral operators. p. 1010
Gasymov, M.G., Levitan, B.M. - Sum of differences between the eigenvalues of two singular Sturm-Liouville operators. p. 1014.
Golshtinskii, V. - Additional theorems on the weight of topological spaces p. 1018.
Efimov, B. - Dyadic spaces p. 1021
Zhuravlev, IU.I. - A class of algorithms over finite sets. p. 1025.
McLaren, A.D. - Cubature formulae on a sphere [translated from the English]. p. 1029
Medvedev, V.A. - Convergence of Laguerre, Hermite, and Jacobi orthogonal series. p. 1031
Ivanov, V.A. - Reducible formulae in propositional calculus. p. 1035.
AERODYNAMICS
Dmantsev, R.G. - Method of integral kinetic moment equations. p. 1038.
Kuksenko, B.V. - Method for calculating the flow of transonic gas p. 1042.
Stumpinskii, V.V. - Nonlinear theory of aerodynamic stability. p. 1046
HYDROMECHANICS
Sretenskii, L.N. - Periodic waves produced by a source situated above an inclined bottom. p. 1050
THEORY OF ELASTICITY
Pogorelov, A.V. - Stability of axisymmetric deformations of spherical shells under axisymmetric load p. 1053.
Khrustalev, A.I. - A contact problem in the theory of elasticity for bodies of limited size p. 1056.
PHYSICS
Adirovich, E.I. - Barrier-layer and diffusion photo-e.m.f. p. 1059
Amirkhanov, Kh.I., Kerimov, A.M. - Heat capacity at constant water and water vapor volumes in single-phase and two-phase regions adjacent to the boundary curve including the critical point. p. 1061
Kabalkina, S.S., Trofimova, Z.V. - Studying the structure of cadmium sulfide at high pressures to 90 kilobars. p. 1068.
Lazarenko, P.F., Sablia, O.P. - Pyramidal gliding in zinc crystals. p. 1071.
Mashkova, E.S., Molchanov, V.A., Odintsov, D.D. - Anisotropic behavior of the coefficient of reflection emission from single crystals. p. 1074
Mukhtanov, L.A. - Microwave spectrum of the molecule $I_2HC - CH_2I$ p. 1076.
Sirota, N.N., Olekhnovich, N.M. - Paramagnetic component of the magnetic susceptibility of $A^{III}B^{V}$ semiconducting compounds determined from X-ray diffraction analysis data. p. 1079.
Tolmachev, V.V. - Weak-interaction asymptotic expansions for the vicinity of the critical phase transition temperature in the case of a modified formulation of the problem of a nonideal Bose-Einstein system. p. 1081.
TECHNICAL PHYSICS
Stekol'nikov, I.S., Shkilev, A.V. - Mechanism underlying negative spark. p. 1085.
GEOPHYSICS
Vul'fson, N.I. - Effect of humidity on the development of convective movements in a cloudless atmosphere p. 1089.
CHEMISTRY
Andrianov, K. - Directed change of properties in macromolecular compounds p. 1093
Bolesov, I.G., Kolosov, M.N., Shemiakin, M.M. - Synthesis of an analog of dimethylteteracycline. p. 1097.
Vol'pin, M.E., and others. - Titanocene compound with tolan p. 1100.
Godovikov, N.N., and others. - Anticholinesterase properties of some O-ethyl-S-alkylmethyl thiophosphinates. p. 1104.
Konstantinopol'skaia, M.B., Berestneva, Z.IA., Kargin, V.A. - Fibrillary single crystals in a copolymeric polyamide. p. 1108.
Pudovik, A.N., Aladzheva, I.M. - Thermal or pseudocatalytic rearrangements of allyl and propargyl esters of phosphorous acid. p. 1110.
Toropov, N.A., Boikova, A.I. - Solid solutions of tricalcium silicate with yttrium oxyorthosilicate. p. 1114.
Turov, B.S., and others. - Effect of electron-donor additions on the chain structure in the stereospecific polymerization of butadiene. p. 1118.
Shakhova, M.K., Litkei, IU., Samokhvalov, G.I. - New synthesis of 3-hydroxyflavone, the flavanol. p. 1120.
PHYSICAL CHEMISTRY
Bubalov, I.M., Gol'danskii, V.I. Go Min'-gao [Kuo Min-hao]. - Kinetics of benzoyl peroxide decomposition in acetylenic hydrocarbons. p. 1123
Blumberg, E.A., Nozikov, IU.D., Emanuel', N.M. - Role of the surface in the chain propagation reaction in the liquid phase oxidation of n-butane p. 1127
Rodionov, A.N., and others. - Structure of complexes formed by aliphatic organolithium compounds p. 1131
Rybakov, B.N., Nikolaeva-Fedorovich, N.V. - Reduction of the MnO_4^- ion on inert conductive electrode. p. 1135.
CHEMICAL TECHNOLOGY
Anikin, A.G. - Principles of the crystallization column theory p. 1139
Budnikov, P.P., Ronik, S.M., Kroshchak, L.A. - Certain features of clinkerization during the calcination of charges formed by monocalcium hydrosilicate and calcium carbonate p. 1143
Kravchik, Z.A., Ermolenko, N.F. - Certain features of cation exchange in an acid medium on cation exchangers with carboxyl functional groups. p. 1147
GEOGRAPHY
Atsenko, A.A - Morphological structure of the Chukchi Peninsula p. 1150.
GEOLOGY
Arenberg, D.E., Brachnikova, N.E., Potrovskaia, P.D. - Stratigraphy of the Middle Carboniferous of the southern slope of the Voronezh massif p. 1153
Aizenshtadt, G.E.-A., Gershtein, E.I. - Initial thickness of the Kungur salt-bearing complex in the Caspian Lowland. p. 1156
Erofeev, P.N. - Structure of the "Gorodzhii" bank (Atlantic Ocean). p. 1159
Kosygin, IU.A., and others. - Recent data on the deep-seated structure of the Lake Baikal region p. 1162.
Lebedev, L.I., Maev, E.G. - Quaternary sediments of the Apsheron sill in the Caspian Sea p. 1164
Mikulenok, K.I. - Mechanism of the formation of block and layer inclusions in Daghestan Paleogene sediments. p. 1168.
Milanovskii, F.E. - New concepts of the structure and history of the tectonic development of the Lesser Caucasus p. 1170.
Tikhomirov, V.V. - Relation of the process of the reconstruction of the earth's crust to vertical tectonic movements. p. 1174.
PETROGRAPHY
Mogarovskii, V.V. - Glauconitization of argillaceous rocks as a type of change in enclosing rocks in one of the celestite deposits of the Fajuk Depression. p. 1178.
LITHOLOGY
Verzilin, N.N. - Effect of diagenetic processes on a change in the composition of silt and sand deposits. p. 1182.
GEOCHEMISTRY
Atlev, A.G., Pilipudagov, V.M. - Geochemical conditions of the formation of the Lower Cretaceous deposits of Daghestan p. 1185.
Dvornikov, A.G., and others. - Some features of the distribution of cinnabar and native elements in bottom sediments of the Nagol'nyy Ridge. p. 1189.
OCEANOLOGY
Denisenko, V.V. - Some data on seasonal and diurnal changes in the phytoplankton of the Adriatic Sea. p. 1193.
CYTOLOGY
Delone, N.L., Dantsina, A.N. - Cytochemical properties of the interphase cell nuclei with different physiological functions p. 1195.
Zhdanov, G.L., and others. - Stimulation of cell division by dichloroacetyl compounds. p. 1198.
Khushchev, N.G. - Autoradiographic study of the length of periods of the mitotic cycle in cells of shapeless areolar connective tissue under normal conditions. p. 1201
ECOLOGY.
Vinogradova, E.B. - Ecologic regulation of the seasonal cycle in Anopheles bifurcatus L. (Diptera, Culicidae) p. 1204.
MICROBIOLOGY.
Plakunov, V.K - Some interrelations between the structure and activity mechanism in the series of tetracycline antibiotics. p. 1207.
BIOPHYSICS
Dvorkin, G.A., and others. - Dispersion of the optic rotation of deoxyribonucleic acid isolated from T-2 bacteriophages. p. 1211
Semenenko, A.D., Khvedelidze, M.A., Semenenko, Al.D. - Dynamics of the electric activity of plants during the day under the conditions of functional strain p. 1215.
BIOCHEMISTRY:
Bazhanova, N.V., Sapozhnikov, D.I. - Characteristics of the dark reaction of interconversion of xanthophylls. p. 1219.
BOTANY.
Sveshnikova, I.N., Bolsakina, IU.P. - Electron microscopic study of the sunflower seeds and the accumulation of reserve substances p. 1222.
ZOOLOGY.
Lukin, E.I. - Leeches of Irkutsk Reservoir and the problem of nonmiscibility of the Baikal region fauna and the common palearctic fauna. p. 1225.
PLANT PHYSIOLOGY:
Vakhmistrov, D.B., Zhubritskii, Z.I - Extent of the selective absorption capacity of plants for the elements of mineral nutrition. p. 1228.

PHYSIOLOGY:
Babskii, E.B., Ul'yankovskii, L.S. - "Escape" of the heart from the effect of the vagus nerve and the Tarkhanov-Pueliua phenomenon p 1232,
Golovanenko, I.F. - Types of hemoglobin in young sturgeons p 1236,
Rodionov, V.M., and others - Effect of stimulation of the peripheral end of the splanchnic nerve on the secretory function of the adrenal cortex p 1238,

Vol 152, no 1, Sep 1963.
Table of contents translated
MATHEMATICS
Aksent'ev, L.A. - Indices of functions on Riemann surfaces, p. 9,
Arkhipov, A.I. - First and second boundary value problems for elliptic equations degenerating in a finite number of interior points. p 13,
Vagner, V.V. - Ehresmann's theory of jets, p 17,
Vakselev, A.I. - Some classes of vector chains and their application to the theory of semiordered spaces, p 20,
Voevodin, N.N. - Extremum algebra of matrices, p. 21,
Dreshkovskii, Yu.N., Kostomarov, D.P. - Eigenvalue problems for second-order equations in the case of nonlinear dependence on the parameter λ. p 26,
Efimov, A.V. - Orthogonal series not summable by linear methods. p. 31,
Kipriianov, I.A. - Variational method for solving a certain class of degenerate elliptic equations. p. 35,
Krein, M.G., Langer, G.K. - Spectral function of a self-adjoint operator in a space of indefinite metric, p. 39,
Kruchkovich, G.I. - Geodesic correspondence of semi-reducible Riemann spaces. p. 43,
Manin, Yu.I. - Arithmetic of rational surfaces p. 46,
Mel'tser, M.M. - Weakly complete continuity of a linear mapping and its conjugate, p. 50
Mil'man, D.P., Mil'man, V.D. - Some geometric properties of nonreflexive spaces p. 52,
Olevskov, V.P. - Constructive mapping of a square onto itself, displacing each constructive point. p. 55,
Romm, B.D. - Expansion in irreducible representations of the set of restricted representations of the basic series of the proper Lorentz group to the real Lorentz group. p. 59,
Trenogin, V.A. - Existence and asymptotic behavior of the solution to the Cauchy problem for a first-order differential equation with a small parameter in Banach space, p. 63,
Frenkel', Y.I - Algorithmic problems in partially ordered groups p. 67,
Shcherbakov, B.A. - Decomposition of a set of Poisson-stable motions into invariant classes. p. 71,
CYBERNETICS AND REGULATION THEORY
Beltiukin, N.V. - Arrangement of intermediate information in computations using nonerasing Turing machines, p. 75,
THEORY OF ELASTICITY:
Morozov, N.F. - Analytic structure of the solution to the "membrane equation." p. 78,
PHYSICS:
Shiola, N.N., Shelag, A.U. - Magnetic susceptibility of semiconducting elements of the 4th group as determined by X-ray diffraction analysis p. 81,
Timofeev, A.V. - Instability of a gas discharge in a magnetic field devoid of longitudinal current. p. 84,
Fateeva, N.S., Vereshchagin, L.F., Kolesnyein, V.S. - Optical method for determining the melting point of graphite as dependent on pressure not exceeding 3000 atm. p. 88
TECHNICAL PHYSICS:
Panin, V.E., Dudarev, E.F., Bol'shanina, M.A. - Strukt structures in brass and aluminum bronze. p. 92,
CHEMISTRY:
Agoshkov, V.M. - Use of zonal fusion in establishing the fields of crystallization and eutectic composition of multicomponent systems of fused salts. p. 96,
Babeshkina, O.K., Troitsev, V.G. - Synthesis and certain properties of pyridinium pyridinepentahalorhenates (IV): PyH[RePyCl$_5$] and PyH[RePyBr$_5$]. p. 100,
Zhdanov, Yu.A., and others - Synthesis of new C-glycosides. p. 102,
Isaeva, Z.G., Andreeva, I.S. - Isomerization of Δ^3-carene oxide in the reaction with alcohols in the presence of acids. p. 106,
Karpukhina, G.V., Matzus, Z.K., Emanuel', N.M. - Interaction of two inhibitors in the reaction of oxidation of hydrocarbons. p. 110,
Kazuvaev, G.A., and others. - Oxidation of aluminum alkyls. p. 114,
Solomon, O.F., Glineski, P., Michaelescu, E. - Polymerization of isoprene in the presence of complexes formed by titanium tetrachloride, triethylaluminum, and amines. p. 117,
Taber, A.M., and others - Study of catalysts produced by the reaction of sodium borohydride with salts of heavy metals. p. 119,
Talalaeva, T.V., Rodionov, A.N., Kocheshkov, K.A. - Synthesis of deuterio-substituted organolithium compounds. p. 122,
Shchepetkin, A.A., and others. - Equilibrium conditions during the reduction of magnesium ferrite by hydrogen. p. 124,

PHYSICAL CHEMISTRY
Brodskii, A.M., Temkin, A.IA. - On the resonance theory of chemical reaction rates p 127
Vilfanov, V.N., Sidonskii, O.B. - On the theory of the inflammation of condensed systems by an incandescent surface. p 131
Gel'perin, V.I., and others. - Vibration spectra of alkali metal fluoberyllates of the type M_2BeF_4 p. 134,
Ionov, N.I., Mitsev, M.A. - Use of surface ionization phenomena in studying catalytic reactions on a surface p 137
Martynov, G.A., Derlagin, B.V. - Electrical double layer in fused salts and concentrated electrolyte solutions, p 140
Merzhanov, A.G., Filonenko, A.K. - Thermal spontaneous ignition of a homogeneous gaseous mixture in flow p 143
Moiseev, I.I., Vargaftik, M.N., Syrkin, IA.K. - Equilibrium of complex-forming process between palladium chloride and ethylene in aqueous solutions p 147,
Ponomarev, V.V., and others - Heats of combustion of wheat gliadin during its thermal denaturation p. 151
Spitsyn, Vik.I., Chuvaev, V.F., Kubanov, V.IA. - Nuclear magnetic resonance method used in studying the state of hydrogen in aquapoly compounds of tungsten, p. 153,
Temkin, M.I. - Kinetics of stationary reactions p 156
Timerov, R.Kh., IAblokov, Yu.V., Ablov, A.V. - Electron paramagnetic resonance method used in studying copper (II) bis-dimethylglyoximate, p 160
Frumkin, A.N., Dzhaparidze, D.I., Tedoradze, G.A. - Catalytic evolution of hydrogen on mercury when a high proportion of the electrode surface is filled with the catalyst. p. 164,
IAsnitskii, B.G., Zaitsev, A.P. - Mechanism of photochemical chlorination of chloroacetaldehyde, p. 168,
CHEMICAL TECHNOLOGY
Sal'nikov, I.E., Vol'fet, B.V. - Operating conditions in a chemical flow reactor when an exothermal monomolecular reaction is taking place. p 171,
GEOLOGY:
Gavrilsh, V.K. - Permian halogen deposits of the Dnieper-Donets Lowland p. 175
Il'in, A.V. - Leveling processes of the bottom of a deep ocean. p. 179,

MINERALOGY
Kalenov, A.D., Anikeeva, V.I., Sokova, K.P. - Case of a complicated replacement of lopatite. p. 183,
PETROGRAPHY:
Kozlovskii, S.P. - Quartz-sillimanite facies of acidic leaching in granite-gneissic complexes. p. 187,
GEOCHEMISTRY.
Malevskii, A.IU. - Effect of selenium on the isomorphic replacement of sulfur by tellurium in sulfides p. 191,
Semasheva, I.N., Sofiev, I.S. - Process of fusinization. p. 194,
CYTOLOGY
Chel'tsova, L.P. - Characteristics of the isoelectric point of the nucleolus, nucleus and protoplasm in cells of the apical zones of wheat and the mitotic activity of the cells. p. 198,
HISTOLOGY:
Tarapina, T.V. - Effect of ionizing radiation on the cardiac muscle of mammals p 202,
GENETICS
Ryzhkov, V.L. - Effect of some metabolites on somatic mutations in Elysimum cheiranthoides L. p. 205,
ECOLOGY.
Shigrovskaia, E.M. - Large-scale mapping of the rodent population. p. 208,
MICROBIOLOGY:
Imshenetskii, A.A., Solntseva, L.I., Kuznova, N.F. - Polyploid yeastlike fungi from the genus Candida. p 212,
BIOPHYSICS
Aleksandrov, S.N., Galkovskaia, K.F. - Reduction in the protective effectiveness of cysteamine during repeated exposure to radiation. p. 215
Il'inskii, O.B., Fiks, V.B. - Mechanism of the genesis of stimulation in solitary mechanoreceptors. p. 218,
BIOCHEMISTRY
Vereshchagin, A.G. - Distribution of polar and apolar lipids in a phase-inverted chromatographic system. p. 221,
Nechaeva, G.A. - Ribonuclease activity in different functional zones of the cerebral cortex. p. 225,

Oparin, A.I., and others. - Lipids of the dehydrogenase preparation from the cytoplasmic membranes of Micrococcus lysodeikticus p. 228
PLANT PHYSIOLOGY
Shcherbakov, B.I. - Physiological changes in spring wheat under drought conditions. p. 231,
EXPERIMENTAL MORPHOLOGY:
Bosova, N.N. - Restoration of the neuromuscular connections and contractile activity during the autotransplantation of preliminarily denervated intact muscle. p. 235,

Gorbunov, V.M. - Regeneration of the nonstriated muscle of the stomach of a pigeon p 238,
PHYSIOLOGY
Ivlev, V.S., IAkovleva, K.K. - Energy metabolism level in sponges. p 241,
ENDOCRINOLOGY
Malorova, V.I. - Neurosecretion of the hypothalamic-hypophyseal system in bilateral adrenalectomy p. 244,
EMBRYOLOGY
Detlaf, T.A., Zuichenko, S.I. - Metaphase of the first maturation division in the oocytes of sturgeons p 246

AKADEMIIA NAVUK BSSR, Minsk. Doklady [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Reports] Minsk, vol. 6, no. 12, Dec 1962

Table of contents translated:
Bogdanov, Yu.S. - A function that takes on all intermediate values, p. 755,
Rudakov, V.P. - A sufficient condition of the stability of motion in a finite interval of time, p. 757,
Shiota, N.N., Koren', N.N. - Kinetics of the formation of films of zinc selenide on zinc single crystals in the process of reactive diffusion. p. 760,
Akulov, N.S. - Generalization of the thermodynamics of irreversible processes p. 762,
Shapiro, I.P. - Luminescence of halogen compounds of cadmium. p. 766,
Apanasevich, P.A. - Use of the quantum electrodynamic matrix of density in calculating absorption. p. 768,

Gomel'skii, M.S., and others - Use of quartz glass in manufacturing instruments for spectrum analysis. p. 772,
Dovnar, S.A. - Cutting mechanism in jet hydroabrasion working of metal surfaces. p. 777,
Aleksandrovich, Kh. M., Pavliuchenko, M.M. - Effect of certain reagents on the dispersion of clayey substances in aqueous solutions. p. 780,
Gorelik, Z.A. - Causes of the bends of the Pripiat River in the region of the town of Petrikov. p. 784,
Kopysov, Yu.G. - Study of oriented aggregates of the noncarbonate part of marl - chalk rocks. p. 788,
Makhnach, S.D., Lukashev, V.K. - Some mineralogical and geochemical data on the ancient weathering crust of the Zhitkovichi region. p. 791,
Ivitskii, A.I. - New approach to determining the rate of drainage of soils under melioration. p. 795,

Porokhnevich, N.V. - Effect of zinc deficiency on some anatomic indicators of bast fibers of flax. p. 799,
Mishtakov, S.M., Paromchik, I.I. - Diurnal photosynthesis cycle in plants resistant to regulator herbicides. p. 801,
Sorova, Z.IA. - Effect of fungus and virus infection on the enzyme apparatus of food plants. p. 805,
Articles published in "Doklady Akademii nauk BSSR" for 1962. p. 809,

EESTI LOODUS [ESTONIAN NATURE]. Issued by Eesti NSV Teaduste Akademia [Academy of Sciences of the Estonian S.S.R.]. Tallinn, no. 4, July-Aug. 1963. [In Estonian]

PRIRODA [NATURE]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 52, no 8, Aug 1963.

Table of contents translated:
Tarasov, L.S. - Mantle and earth crust, formation of terrestrial shells. p. 3,
Frank-Kamenetskii, D.A. - A stable plasma p. 18,
Einstein has not been proved wrong. p. 19,
Bel'kovich, V.M., IAblokov, A.V. - Youth of an old science, alliance between animal morphology and technology. p. 20
Kutiev, D.M. - Solar spectrum. p. 31
Ageenko, A.S. - "Sitting" tree. p. 37,
Petrov, V.P. - How to improve the accuracy of weather forecasting, an automatic telemetric hydrometeorological system. p. 38
On books in brief. pp. 44, 66,
Dropkov, A.A. - Chemical elements and life. p. 45,
Zhdanov, A.A. - New class of polymers p. 53
Sholomitskii, G.B. - Advances in Soviet radio astronomy. p. 56,
Chernov, A.A. - Paper ribbons and the "white gold." p. 59,
Svergun, I.P. - Tula Forests. p. 60,
Salmon routes. p 61,
Zamorskii, A.D. - Luminous phenomena in the atmosphere. p. 62,
Bannikov, A.G. - Wild ungulates today and tomorrow. p. 67,
Berzin, A.A., Tikhomirov, E.A., Troinin, V.I. - Is Steller's sea cow extinct? p. 73,
Vlasov, N.A. - Isotopes of hydrogen and neutron. p. 75,
Orbeli, L.A. - My teacher. p. 78,
Lezhneva, O.A. - Fresnel's light waves. p. 82,
Shcheglov, P.V. - Plane hydrogen cloud around the earth. p. 85,
Markovskii, N.I. - Paleogeography and prospecting for rich petroleum deposits. p. 88
Nikitina, E.A. - "Dead water" in oceans. p. 91,
Babaev, N.S. - Direct measurement of heat radiation intensity. p. 93,

1 1Ja- Ober, Allen - Wonderful world of bats p. 94.
1Se Bathyscaphe GA-2000. p. 96.
Infrared television camera. p. 96
General assembly of the Academy of Sciences of the U.S.S.R. p. 96
Nickel and cobalt from slag. p. 97.
Armored by poison. p. 97
Ptotsenko V. G. - Unusually severe flood in the lower Don Valley. p. 98.
Brunikov, A. G. - Scientific work in preserves p. 98.
Airplane keeps watch on the purity of water p. 99.
Khatuntsev, D. I. - "Work" of the great spotted woodpecker p. 100
Stas', I. I - Caspian conference p. 100
Konovalov, I. I. - Storehouse of mineral waters, the 100th anniversary of the Russian Balneological Society p. 101.
Mulmchuk-Volynskii, L. I. - Large hailstones. p. 101
Pest of sea breeding grounds p. 102.
Komovskii, G. T. - Thermoelectric and photoelectric effect of rocks and minerals. p. 102.
Kopanevich, P. P - "Dancing" and swarming of honeybees p. 102.
Fruit trees at very low temperatures. p. 104
Conference of the readers and authors of "Priroda." p. 104.
"Mesosoaph" p. 105.
New hypothesis on the origin of the earth and the moon. p. 106.
Viktorov, A. M. - Petrified traces. p. 106.
Radioactive potassium and cattle breeding. p. 107.
Marinovich, A. P. - Riches of Mount Klenovaya p. 108
Klintsov, A. P - The spruce Picea glehnii (Fr. Schm.) p. 109.
Rezvoi, P. D. - Sound of a creek and the bonfire. p. 110.
Furtos, V. - Flysch in the Tuapse region. p. 110.
Shtil'mark, F. R., Khlebnikov, A. I - Northern pika Ochotona alpina Pall. as a forest pest. p. 111.
Ageenko, A - Adnate birches. p. 112.
Nelepets, V. S. - Uncommon friendship. p. 112.
Artiukhov, P. I. - A pike that caught a gull. p. 112.
Goryshina, T. K. - Strange plant. p. 113.
Flint, V. E. - Keeping snakes in captivity p. 114.
Makhlin, M. D. - New mollusks from tropical bottles of water. p. 116.
IAvobashvili, V. K - Miagava-Vase mandarins. p. 117.
Ogorodnikov, K. F. - Astronomical picture of the world. p. 118.
Markov, K. K - History of the Armenian highland relief. p. 119.
Plotkin, S. IA - Eminent scientist and citizen. p. 121
Shakhov, A. A - Vegetable gardening under artificial illumination. p. 122.
Kiivitskii, I. A. - Is this the right kind of a guidebook? p. 123.
Lapteva, N. N. - The clue is in the thermal conditions. p. 124.
Korbut, V. A., TSukerman, A. M - What is the right name for element 101. p. 124.
Alzenberg, M. M. - Fighting erosion and mudflows. p. 125.
Bulygin, N. E. - Rainy weather and fruit bearing of woody plants. p. 126.
Malik, S. A. - Zone of maximum temperature shifts in the Caucasus. p. 127.
Kucherov, E. V., Fedorako, B. I - Snowdrops during the leaf-falling season. p. 127.

b ASTRONOMY

licheskoi astro- ENCES OF THE ..., Bulle-

Petrovskaia, M. S. - Evaluating the region of the convergence of series representing the periodic solution of the first kind in the plane restricted problem of three bodies in case of an interior motion. p. 85.
Petrovskaia, M. S. - Evaluating the region of the convergence of series representing the periodic solution of the first kind in the plane restricted problem of three bodies in case of an external motion. p. 108.
Volkov, M. S. - Series representing translational-rotational motion of a satellite in the gravitational field of a sphere. p. 120.
Volkov, M. S. - Rotational motion of a satellite in the vicinity of the orbital plane. p. 144.
Krasinskii, G. A. - Closed trajectories of collision in the plane restricted problem of three bodies. p. 154.

AKADEMIIA NAUK SSSR. Institut teoreticheskoi astronomii. Rezul'taty nabliudenii sovetskikh iskusstvennykh sputnikov Zemli [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Theoretical Astronomy. Results of Observations of Soviet Artificial Earth Satellites]. Moscow, nos. 59-60, 1962.

BYURAKAN, OBSERVATORIIA. Soobshcheniia [OBSERVATORY. Reports] Erivan, no. 31, 1962

Table of contents translated:
Malumian, V. G. - Results of observations of radio source Sagittarius A at 32.5 cm wavelength with high resolving power. p. 3
Malumian, V. G - Results of observations of Omega nebula (NGC 6618) made with the large Pulkovo radio telescope at 32.5 cm. wavelength. p. 11.
Tovmasian, G. M. - New possible identifications of radio sources. p. 19
Tovmasian, G. M., Kalloglian, A. T - Some identifications of cosmic radio sources. p. 31.
Kalloglian, A. T., Tovmasian, G. M - Nature of double radio galaxies p. 39.
Tovmasian, G. M., Samamian, V. A., Aslanian, A. M. - New data on radio emission from the spur-shaped region near $(11 = 30^{\circ}$ p. 53.
Badalian, G. S. - Investigation of variable stars in the dark cloud in Taurus. p. 57.

METEORITIKA [METEORITICS] Issued by Komitet po meteoritam Akademii nauk SSSR [Committee on Meteorites of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 23, 1963.

Table of contents translated:
Florenskii, K. P. - Preliminary results of a complex expedition for studying the Tunguska meteorite in 1961. p. 3.
Ravich, M. G., Revnov, B. I. - Lazarev iron meteorite (Antarctic region). p. 30.
IAvnel', A. A. - Genetic regularities in the chemical composition of chondrites p. 36.
Dikonova, M. I., Kharitonova, V. IA. - Composition of nickel iron in various types of iron and iron and stone meteorites p. 42.
Garber, R. I., Gindin, I. A., Chikina, L. A. - Twinning and annealing of noncquilibrium iron-nickel alloy of the Sikhote-Alin iron meteorite. p. 45.
Vdovykin, G. P. - Results of comparison of bitumens in carbonaceous chondrites with bitumens in rocks. p. 56.
Kolomenskii, V. D., Mikheeva, I. V. - Hypersthene and olivine of the IUrtuk meteorite. p. 62.
IUdin, I. A., Smyshliaev, S. I. - Mineralographic and chemical study of opaque minerals of the Okhansk meteorite. p. 72.
Vorob'ev, G. G. - Investigating the composition of tektites. Part 3. Philippinites. p. 80.
Astapovich, I. S., Fedynskii, V. V. - Achievements of the meteor astronomy in 1958-1961. p. 91.
Massal'skaia, K. P. - Bibliographical index of literature on meteoritics, vol. 9-10, 1959-1960. p. 101.

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GEODEZII, AEROS"EMKI I KARTOGRAFII Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF GLODESY, AERIAL PHOTOGRAPHY, AND CARTOGRAPHY. Transactions]. No. 154, 1963.

Table of contents translated:
Larin, B. A. - Elements of the basic theory of geodetic phase range finders. p. 3.
Cheremisin, M. S. - New compensators for levels. p. 35.
Entin, I. I., Meshcherskii, I. N. - Determination of vertical displacements of the earth's crust in the Surkhob Valley. p. 91.
Romanov, L. A. - VKA automatic altimeter-teloscopic alidade with a pendulum compensator. p. 107.
Chernevskii, O. V. - Effect of errors in star coordinates, errors in polar coordinates, and errors in reference moments on the astronomical elements in the geodetic net of the U.S.S.R. p. 125.

PEREMENNYE ZVEZDY [VARIABLE STARS]. Published by Astronomicheskii sovet Akademii nauk SSSR [Astronomical Council of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 13, no. 6(108), 1961.

Table of contents translated:
Kukarkin, B. V. - Study of variable stars in the globular cluster NGC 6171. p. 384.
Kulikov, V. I - Variable stars in the globular cluster M2. p. 400
Shul'berg, A. M. - SX Cassiopeiae. p. 407.
Koshkina, L. N. - Study of the eclipsing binary star SV Tauri. p. 412.
Karetnikov, V. G. - Observations of four Algo-type stars. p. 420.
Vorob'eva, V. A., Kukarkin, B. V. - YZ Cancri is a Geminorum-type variable with the shortest period. p. 423.
Kholopov, P. N. - New evaluations of the brightness of RY Tauri p. 430.
Sharov, A. S. - Fluctuations of the brightness of Pfefone. p. 434.
Zaitseva, G. V. - Photographic observations of the star KZP 416. p. 435.
Kakhusk, R., Eelsalu, Kh. - Photographic observations of RS Ophiuchi. p. 436.
Chupiiko, V. A. - V 600 Aquilae. p. 438.
Sazonov, V. - Unvestigated variable BV 114 Cygni. p. 440.
Osipova, N - Ch Cassiopeiae. p. 442.
Sazonov, V. - V 729 Cygni p. 445.

POLTAVA. GRAVIMETRYCHNA OBSERVATORIIA Trudy [OBSERVATORY FOR GRAVITY MEASUREMENT Transactions] Kiev, vol. 14, 1963

Table of contents translated
Dychko, I. A. - Organization and some results of observations of gravity variations performed at Poltava with a GS-11 gravimeter. p. 3.
Sinchevskul, B. F., Sinchevskul, V. N. - Study of the KIM-3 instrument. p. 17
Balenko, V. G., Fytushenko, E. I - Pevtsev's method for a harmonic analysis of 50-day series of observations of tidal gravity variations p. 27
Lavrent'eva, E. V., Dvulit, P. D - Program of latitude observations for Ulan-Bator p. 16
Matveev, P. S., Zakharchenko, S. N - Reduction values for calculating grouped earth tidal waves for the years 1958 through 1967. p. 59.
Matveev, P. S., Golubitskii, V. G., Fytushenko, E. I - Relationship between the free period of oscillation of horizontal pendulums with Zollner-type suspensions and the oscillation amplitude. p. 100.
Panchenko, N. I., Dvulit, P. D - Systems of declinations of the centers of Talcott pairs obtained from observations performed by the International Latitude Service p. 110
Matveev, P. S. - Remarks on averaging the results of a harmonic analysis of earth tides. p. 115.
Ogorodnik, I. P. - Some results of comparing parallel latitude observations on two zenith telescopes at Poltava during the International Geophysical Year and International Geophysical Cooperation. p. 125.

REFERATIVNYI ZHURNAL: ASTRONOMIIA (Otdel'nyi vypusk 51) [JOURNAL OF ABSTRACTS. ASTRONOMY (Separate Issue 51)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, Oct. 1963.

REFERATIVNYI ZHURNAL. GEODEZIIA (Otdel'nyi vypusk 52) [JOURNAL OF ABSTRACTS. GLODESY (Separate Issue 52)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, Oct 1963.

TASHKENT. ASTRONOMICHESKAIA OBSERVATORIIA. Trudy [ASTRONOMICAL OBSERVATORY Transactions] Series 2, vol. 9, 1963.
Contents Iakchenko, I. M. [Some eclipsing binary stars in constellations Cygnus, Lacerta, and Cepheus] Nekotorye zatmennye dvoinye zvezdy v sozvezdiiakh Lebedia, IAshcheritsy i TSefeia. 102 p.

c BIOLOGY

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut botaniki. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Botany. Transactions] Alma-Ata, vol. 15, 1963. Materialy k flore i rastitel'nosti Kazakhstana [Materials on the flora and vegetation of Kazakhstan].

Table of contents translated:
Kurochkina, L. IA. - Some fragments of the vegetation of the deserts of Central Asia in Kazakhstan. p. 3.
Kubanskaia, Z. V. - Formation of the sea blite Suaeda dendroides (C. A. M.) Moq. in southeastern Kazakhstan. p. 44.
Demina, O. M. - Formation of couch grass in steppe and semidesert regions of Kazakhstan. p. 82.
Bedarev, S. A. - Soil and botanical characteristics of the Bet-Pak-Dala station for the study of biotic complexes p. 92.
Kashkarova, N. F. - Tartarian rhubarb Rheum tataricum L. in the Aral Sea region. p. 119.
Medvedeva, R. G., Khovina, L. A. - Anatomic structure of the rhubarb Rheum Wittrockii Lundstr. p. 163.
Andreeva, E. I. - Lichens in the peneplain part of Bet-Pak-Dala. p. 178.
Filatova, N. S. - Guide to the wormwoods of Kazakhstan. p. 204.
Arystangaliev, S. A. - Dictionary of plant names of the family Leguminosae. p. 237.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut zoologii. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Zoology. Transactions]. Alma-Ata, vol. 19, 1963. Parazity dikikh zhivotnykh Kazakhstana [Parasites of wild animals of Kazakhstan].

Table of contents translated:
Akinshina, G. T. - Toxoplasma growth in tissue cultures. p. 5.
Vasina, S. G. - Reaction with dyes in toxoplasmosis. p. 16.
Zasukhin, D. N. - Problem of laboratory methods for the diagnosis of toxoplasmosis today. p. 31.
Galuzo, I. G. - Register of Toxoplasma gondii strains isolated in the U.S.S.R. p. 38.
Levit, A. V., Vustina, U. D. - Isolation of Toxoplasma strains from rodents. p. 43.
Novinskaia, V. F. - Isolation of Toxoplasma strains from dogs and the corsac. p. 45.

Kuzovkin, E. M. - Isolation of Toxoplasma strains from swine. p 17

Galuzo, I. G., Golosov, V. I., Gorbunova, Z. I. - Isolation of a Toxoplasma strain from sheep. p. 49.

Sargabaeva, Z. R. - Isolation of a Toxoplasma from man p. 50

Svanbaev, S. K. - Coccidia in Marmota menzbieri Kaschkarov, 1925 p. 51.

TSygankov, A. A., Patchuk, N. G., Balbaeva, Z. A. Specificity of Coccidia of sheep, goats and saigas. p. 55

Appasov, R. N. - Fauna of intestinal Protozoa of a wild boar (Sus scrofa L.) in southeastern Kazakhstan. p. 58.

Levchenko, N. G. - Some age-related and seasonal characteristics of the morphology of cysts of Sarcocystis tenella Railliet, 1886. p. 60

Gvozdev, E. V., Agapova, A. I. - Changes in the parasite fauna of animals acclimatized in Kazakhstan p. 65.

Gvozdev, E. V., Agapova, A. I. - Developmental cycle of the cestode Multiceps endothoracicus Kirschenblat, 1948 p. 72.

Panin, V. IA., Sumenkova, N. I. - Developmental cycle of Brachylaemus aequans Looss, 1899 (Trematoda, Brachylaemidae) p. 83.

Boev, S. N., Sultanov, A. D. - A new lung nematode of maral. p. 89.

Fetisova, L. A. - Infestation of greater gerbils by the filaria Litomoza vitae Krepkogorskaja, 1933 in southern Kazakhstan p. 93.

Shol', V. A. - Helminths of wild boar (Sus scrofa L.) in Kazakhstan. p. 97.

Maksimova, A. P. - Cestodes of wild water birds in the Turgay lakes. p. 101.

Zaskind, L. N. - Helminths of the graylag (Anser anser) of Kustanay Province. p 117.

Stuge, T. S. - Helminths of common coot (Fulica atra L.) in Lake Zaysan. p. 121

Maksimova, A. P. - New species of cestodes from the swans of Kazakhstan. p. 126.

Tazieva, Z. Kh. - New natural focus of trichinellosis in Kazakhstan. p. 133.

Agapova, A. I. - Philometra leuciscl, a new species of fish nematodes in Kazakhstan. p. 137.

Kolesnikova, M. N. - Fish parasites in the lower Syr Darya River. p. 139.

Dobrokhotova, O. V. - Fish parasites of the Aktu-Su River. p. 145.

Kuanshalieva, E. N. - Studying the fauna of beet nematodes in the piedmont zone of the Trans-Ili Ala-Tau. p. 149.

Uvalieva, G. - Terrestrial molusks of the southern Altai. p. 152.

Kusov, V. N. and others - Distribution of the tick Ornithodoros tartakovskyi Olenev in Kzyl-Orda Province. p. 161.

Ushakova, G. V., Busalaeva, N. N., Peteshev, V. M. - Fauna and distribution of ixodid ticks in the left-bank area of the Syr Darya River. p. 173.

Loseva, E. I. - Ixodid ticks of Kzyl-Orda Province. p. 180.

Senotrusova, V. N. - Ecology of the gamasid mite Hirstionyssus meridianus Zemsk (Parasitiformes, Gamasoidea). p. 191.

Senotrusova, V. N. - Fauna of Gamsid mites (Parasitiformes, Gamasoidea) of the tamarisk gerbil in the piedmont zone of the Trans-Ili Ala-Tau p. 198.

Bezukladnikova, N. A. - Sucking lice (Siphunculata) of the rodents of TSelinograd Province. p. 206.

Pavlova, M. S., Pavlov, L. A. - Phenology of Anopheles maculipennis and the time for antimalarial measures in Kazakhstan. p. 209.

Podolian, V. IA. - Pathogenic effect of small and medium doses of gamma rays on the progeny of irradiated insects. p. 220.

Rementsova, M. M. and others. - Experimental infection of gamasid mites, lice and fleas with Brucella. p. 226.

Rybalko, S. I., Petrova, E. F., Prikhod'ko, L. T. - Tick-borne encephalitis in eastern Kazakhstan. p. 234.

Dusembaev, E. B., IAshkul', V. K. - Morphology of the fourth segment of the palpus of Dermacentor marginatus Sulz. p. 238.

Ushakova, G. V., Fedoseenko, A. K. - Occurrence of the tick Ixodes stromi Fil., 1957 in the Trans-Ili Ala-Tau. p. 240.

Ushakova, G. V., Krivkova, A. M. - Ixodid ticks parasiting on wolves in Bet-Pak-Dala. p. 241.

Solomatin, A. O. - Notes on ixodid ticks parasitizing on wild asses. p. 242.

Levchenko, N. G. - A case of sarcosporidiosis in roe deer (Capreolus capreolus). p. 244.

Levchenko, N. G. - Division of "spores" of the sarcosporid Sarcocystis tenella Railliet, 1886, parasitic in sheep. p. 245.

Nugmanova, K. M. - Nematode fauna of onions in the piedmont zone of the Trans-Ili Ala-Tau. p. 247.

Yaisburg, R. S. - Control of ichthyophthiriasis on the Alma-Ata fishfarm. p. 249.

Galuzo, I. G. - "General problems of parasitology and zoology" by E. N. Pavlovskii. p. 250.

AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze. Izvestiia, Seriia biologicheskikh nauk [ACADEMY OF SCIENCES OF THE KIRGHIZ S.S.R. Bulletin. Series in Biological Sciences] Frunze, vol 5, no. 2, 1963.

Botanicheskii sad [Botanical garden]

Table of contents translated

From the editors. p. 5.

Gareev, E. Z. - Tasks of landscape gardening in the cities and populated places of Kirghizia p 7

Tkachenko, V. I. - Results of the introduction of trees and shrubs and their use in the greenbelts and parks of the Republic. p 13

Krivosheva, L. S. - Results of the introduction and the use of the most decorative perennial flowering plants in the landscape gardening of Kirghizia. p 21

Zolotarev, T. E. - Future introduction of coniferous plants and landscape gardening in cities and populated places of Kirghizia p. 29.

Kunchenko, A. I - Landscape gardening in the western Issyk-kul' region p. 31.

Pototskaia, IU. S. - Use of most decorative bulbous flowering plants in landscape gardening. p. 35.

Shpak, R. L. - Possibility for using wild tulips in landscape gardening p 39.

Vandysheva, V. I. - Biological characteristics of some medicinal plants in the Botanical Garden of the Academy of Sciences of the Kirghiz S. S. R. p. 43

Gareev, E. Z., Litvinov, N. A. - Apple hybrids of the Botanical Garden in the Tien Shan. p. 49

Dzhamankulov, M. - Some data on the germination of tree and shrub seeds. p. 53.

Gareev, E. Z. - Promising hybrid plums of the Botanical Garden. p. 63.

Zuev, P. I. - Prospects for growing grapes uncovered in winter and without irrigation in Kirghizistan. p. 65.

AKADEMIIA NAUK SSSR. Botanicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Botanical Institute. Transactions. Ser. 3. Geobotanika [Geobotany]. Moscow, no. 14, 1963. Kompleksnye eksperimental'nye geobotanicheskie issledovaniia [Comprehensive experimental geobotanical studies].

Table of contents translated.

Aleksander Petrovich Shennikov. p. 3.

Shennikov, A. P. - Tasks of the Laboratory of Experimental Geobotany of the Botanical Institute of the Academy of Sciences of the U. S. S. R. p. 6.

Baranovskaia, A. V. - Soil cover of the Otradnoye Experimental Station. p. 12.

Rodina, A. G., Ozeretskovskaia, N. G. - Microbiology and chemistry of Lake Otradnoye. p. 25.

Shennikov, A. P., Makarevich, V. N. - A brief study of the native flora and vegetation in the area of the Otradnoye Experimental Station. p. 33.

Makarevich, V. N. - Effect of different methods of meadow management on its grass stand. p. 39.

Makarevich, V. N. - Interrelationship between red clover (Trifolium pratense L.) and timothy grass (Phleum pratense L.) in pure and mixed stands. p. 104.

Baranovskaia, A. V. - Dynamics of the characteristics of soils under meadow grass stands. p. 118.

Daragan-Sushchova, A. IU., Smetannikova, A. I. - Nitrogen metabolism in red clover and common timothy in pure and mixed stands as related to some physiological indices. p. 140.

Dragan-Sushchova, A. IU., Katsnel'son, R. S. - Effect of meadow grasses on the fermentative activity of soils. p. 160.

Ezrukh, E. N. - Microflora of the rhizosphere of some herbaceous plants. p. 172.

Makarevich, V. N. - Dynamics of intraspecific relations in Brassica napus L. in stands of different density. p. 186.

Smetannikova, A. I. - Effect of the spacing of plants on some physiological characters of spring rape. p. 198.

Shennikov, A. P., Scrafimovich, N. B. - Effect of the spacing of plants on the tall oat grass (Arrhenatherum elatius (L.) M. et K.). p. 208.

AKADEMIIA NAUK TADZHIKSKOI SSR, Dushanbe. Otdel fiziologii i biofiziki rastenii. Trudy [ACADEMY OF SCIENCES OF THE TAJIK S. S. R. Department of Plant Physiology and Biophysics. Transactions]. Dushanbe, no. 3, 1963. Ovzaimosviazi fotosinteza rastenii s vodnym rezhimom i mineral'nym pitaniem [Interrelation between the photosynthesis of plants and water balance and mineral nutrition].

Table of contents translated.

Nasyrov, IU. S., Abdurakhmanova, Z. N., Giller, IU. E. - Interrelation between the photosynthesis and water metabolism in plants. p. 3.

Abdurakhmanova, Z., Iakubova, M. - Effect of water content in leaves on the intensity of photosynthesis and respiration. p. 13.

Makhmadbekova, L. M., Nasyrov, IU. S. - Metabolism of carbon absorbed in photosynthesis by plants as related to the conditions of water supply. p. 17.

Rakhmanina, K. P., Nasyrov, IU. S. - Photosynthesis and water balance in plants as related to their ecology and origin. p. 23.

Bregetova, L. G., Popova, A. I. - Temperature balance of the leaves of plants in Tajikistan. p. 29.

Babaeva, T. N. - Physiology of mineral nutrition in the cotton plant. p 41.

Egamberdiev, A. R. - Photosynthesis and fruiting of the cotton plant as related to fertilizers. p. 48.

Giller, IU. E. - Effect of mineral nutrition on the optical characteristics of leaves. p. 53.

AKADEMIIA NAUK TURKMENSKOI SSR, Ashkhabad. Izvestiia Seriia biologicheskikh nauk [ACADEMY OF SCIENCES OF THE TURKMEN S. S. R. Bulletin. Series in the Biological Sciences] Ashkhabad, no. 4, 1963.

Table of contents translated

Rabochev, I. S., Trapeznikov, F. F. - Improvement of saline soils. p. 3.

Burdygina, V. S. - Reclamation of saline waste lands for cotton growing. p. 8.

Kopekov, Ch. - Agricultural evaluation of natural landforms of the deserts of northern Turkmenistan p 16

Alladuryev, A. - Growth and development of cotton planted in wide rows. p 21.

Svintsov, I. P., Koshunov, M. - Some characteristics of the moisture content of sands along the shores of the Kara Kum Canal. p. 26

Senkevich, B. N. - Experimental investigation of the structure of sand flow in a wind tunnel p. 30.

Andreev, G. N. - Characteristics of the growth and development of Central Asiatic annual plants under subarctic conditions. p. 36

Rustamov, I. G. - Distribution of the mass and surface of roots in the ephemeral Salsola gemmascens stands of the Krasnovodskoye Plateau p. 42

Meledzhaeva, M. A. - New species of mites of the family Laelaptidae from the southeastern Kara Kum (Gamasoidea, Parasitiformes). p 49.

Mamtseva, S. N. - Ecologic distribution of burrowing wasps (Hymenoptera, Sphecidae) in the lower Murgab Valley. p 56

Sharapova, D. - Fish parasites in Tashkepri Reservoir p 64.

Ageeva, L. P. - Time for ending the irrigation of cotton in meadow soils of the middle Amu Darya Valley. p 68.

Ul'ianova, T. N - New data on geographical distribution of the annual alfalfa Medicago coronata (L.) Desr. in the U. S. S. R. p. 70

Orazov, IA - Effect of the density of plants on the growth and development of hybrid corn in southern Turkmenistan p. 72.

Bairamov, S - Effect of underground water on sand movement (western Turkmenistan). p 76.

Gorbacheva, V. F - Extermination of weeds by chemical substances. p. 77.

Amanov, K. - Pharmacodynamics of levomycetin, synthomycin and oxmonovocillin-1 in experiments on healthy lambs. p 80

Artykov, O. - Cultivation of hairy vetch in northern Turkmenistan. p 83

Agamamedov, S. - Salvinia natans (L.) All in the bodies of water of the Kara Kum Canal. p. 85

Babaev, B., Shcherbakova, A. I. - Control of bothriocephaliasis in Ctenopharyngodon idella. p. 86

Meshcheriakov, A. A. - New genus of scale insects Parphyrophora of the family Margarodidae in Turkmenistan. p. 87.

Chirykuliev, D. M. - A new species of the genus Efflatounomyia Rohd. from Turkmenistan (Diptera, Sarcophagidae). p. 88

Kibakin, V. V., Isliadov, N., Kibakina, L. B. - Parasites of wild boar in Turkmenistan. p. 90.

Rabochev, I. S. - Twenty-first session of the Council on the Coordination of Scientific Activities of the Academies of Sciences of the Union Republics. p. 93.

Paleiskaia, L. N. - All-Union Conference on Agricultural Microbiology p. 94.

Lavrov, A. P. - Scientific session on the utilization and conservation of natural resources of the Azerbaijan S. S. R. p. 95.

Ivanova, S. I. - First scientific conference on problems of research and use of the vegetation resources of Turkmenistan. p. 97.

AKADEMIIA NAUK BSSR, Minsk. Vestsi, Seryia biialagichnykh navuk [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S. S. R. Bulletin. Series in the Biological Sciences]. Minsk, no. 1, 1963.

Table of contents translated:

Veclar, A. S., Prakazau, H. F. - Improving the technology of the production of fodder proteins in potato starch plants. p. 5.

Mikhailouskaia, V. A., Kazlouskaia, N. V. - Ecology and geography of the medicinal flora of White Russia. p. 13.

Shlyk, A. A., Loseu, A. P. - Distribution of C^{14} in chlorophylls a and b in etiolated leaves which have turned green. p. 21.

Mironenka, A. V., Zaben'kova, K. I. - Precursors of alkaloids in the lupine. p. 34.

Halaktsionau, S. H. - Nature of the effect of chlorides on potato plants. p. 36.

Tarasevich, IA. I. - Comparative embryological study of diploid and tetraploid forms of the radish. p. 42.

Merzhynski, M. F. - Feeding conditions and the storage of fatty substances in the animal organism. p. 47.

Labanava, N. M. - Effect of total irradiation with gamma rays of Co^{60} on the content of intermediate products of carbohydrate and phosphorus metabolism in cardiac and skeletal muscles. p. 53.

Hurynovich, L. A. - Characteristics of the formation of complex systems of temporary connections in people at the age of 50 to 80. p. 59.

B 13c Prybluda, L.A. - Methods of spectrographic determination of manganese in bones. p. 64.
Amvrosieu, A. P. - Characteristics of degenerative changes in the afferent nerve fibers of the rectum under experimental conditions. p. 67.
Branavets, I N. - Compensation of heart activity in hypertension. p. 73.
Rabenak, Zh A. - Study of chemical mediators in infectious hepatitis (Botkin's disease). p. 78.
Prakapchuk, A. IA., Bandarovich, A. R., Smol'ski, P. F. - Electron microscopic investigation of Trichophyton violaceum. p. 82.
Edel'shtein, I. A. - Disorders of tissue metabolism in the receptor field in ascarid intoxication. p. 87.
Margolin, V. N. - Afferent routes of interoceptive reflexes from the gonads. p. 92.
Kastsiuchilenka, A. A. - Biology of the reproduction of basic commerical fishes of the Dnieper River within the boundaries of White Russia. p. 99.
Pankevich, T. P. - Effect of light on the duration of the development of the first nymphal instar of the pine sawfly Neodiprion sertifer Geoffr. p. 110.
Chyklieuskaia, L. V. - Distribution of fleas (Aphaniptera), carriers of transmissible diseases of animals and man, in nests of rodents of Polesye. p. 115.
Rokytskyi, P. F., Bormotov, V. E. - Nikolai Vasil'evich Turbin, on his 50th birthday. p. 120.
Nikitsenka, M. F. - Capital work on the structure of the peripheral nervous system in the embryogeny of man. p. 132.

BOTANICHESKII ZHURNAL [BOTANICAL JOURNAL] Organ of Vsesoiuznoe botanicheskoe obshchestvo [All-Union Botanical Society]. Moscow, vol. 48, no. 7, July 1963

Table of contents translated

Pervukhina, N. V. - Position of Trochodendron in the phylogenetic system of angiosperms p. 939
Barykina, R. P., Kudriashov, L. V., Klasova, A. N. - Structure and development of prostrate dwarf forms in Pinus mughus Scop. and Juniperus sibirica Burgsd. in the eastern Carpathians p. 949.
Steshenko, A. P. - Biology of newly collected seeds of plants in the Pamir Highland. p. 965.
Gorshkova, A. A. - Relationship between the duration of growth and structure in the perennial steppe plants of Transbaikalia p. 979.
Shmidt, V. M. - Data on natural selection in the populations of red bartsia (Odontites serotina Dum.) p. 989.
Zoz, I. G. - Biology of mountain parsley (Peucedanum oreoselium (L.) Moench). p. 1001.
Fedorov, A. K., Chel'tsova, L. P. - Proliferation of inflorescences in common timothy (Phleum pratense L.). p. 1005.
Denisova, G. M. - Tillering during the first year of life in the bent grass Agrostis alba L. var. Gigantea Mey. p. 1011.
Doroshostalskaia, E. V. - Characteristics of ruderal plants and weeds in Yorkuta and its vicinity p. 1015
Vchelashniaia, G. P. - Eocene flora of the Tigil' coal deposits of Kamchatka p. 1021.
Mirkin, B. M. - Steppe flora in the floodplain of the Belaya River. p. 1026.
Khodzhaev, A. S. - Nature of the biosynthesis of plastid pigments in the virescence of leaves with different physiological characteristics. p. 1030.
Popovskaia, G. I. - Development of Meiosira distans subsp. alpigena (Grun.) Skabitsch. in Lake Baikal. p. 1034.
Gorovoi, P. G., Gurzenkov, N. N. - Polygonatum inflatum Kom., a new species of Solomon's seal in the Soviet Far East. p. 1037.
[illegible] life cycles, their relations and [illegible].
[illegible] tundra and causes of the wood-[illegible], in connection with two articles p. 1060.
[illegible]opular and scientific Turkmen V. V. Nikitin and B. B. Kerba-
[illegible]sults of the introduction of the Forest Steppe Experiment[illegible]ring the last 15 years" by [illegible], 1065
[illegible]otaxonomic data on the genesis [illegible]flora and vegetation" [in Ger-[illegible]fer. p. 1067.
[illegible] Petrovna Breslavets. p. 1070.
Akov Samuilovich Moditovskii.
[illegible]ls and prospects for the accli-[illegible]een plants at the Mlynany [illegible].
[illegible]amics of the productivity of [illegible]western part of the Kentei [illegible] Mongolian People's Republic.
[illegible]iversary session of the Botani-[illegible]ucharest University. p. 1086.
[illegible]-Union Palynological Con-[illegible]sibirsk on December 11-15,
[illegible] V. S. - Geobotany at the Second [illegible]erence "Contribution of [illegible]ulture." p. 1088.
[illegible] the scientific educational sec-[illegible] Botanical Society. p. 1091.
[illegible]nical Congress in Edinburgh

BIOLOGIIA V SHKOLE [BIOLOGY IN SCHOOLS] Organ of Ministerstvo prosveshchenia RSFSR [Ministry of Education of the R. S. F. S. R.] Moscow, no 4, July-Aug 1963

Table of contents translated.

Let's mold the new man p. 1
Vsesviatskii, B. V. - Methodology of biology or didactics of biology? p. 5
Batkulina, N. P. - Science based atheistic training in biology lessons. p. 8
Kononova, E. G. - How to compile determination cards and use them during the study of flowering plants. p. 11.
Lizorkina, I. I. - Cabbage family p. 16.
Belova, L. V. - Acquainting the eighth-grade students with space biology p. 18.
Nguyen Van Le - Study of the muscle system in connection with physical education. p. 23.
Skobeleva, O. A. - Lessons on the topic "Metazoan and protozoan forms of organisms." p. 27
TSurmer, A. M. - Educative significance of testing the knowledge of biology p. 33
Fedorenko, M. I., Danilenko, N. L. - Outline drawings in biology lessons p. 39.
Kokhmaniuk, T. S. - Let's change the biology program and textbooks. p. 43.
Podosinov, N. G. - I support the suggestions of M. I. Mel'nikov. p. 45.
Smirnov, N. A. - Let's introduce a practical trend into the school courses of biology. p. 46.
Biber, B. L. - Let's construct a biology program on an experimental basis. p. 48.
Gerasimov, K. P. - Experimental work on stock breeding in rural schools. p. 49.
Ivanov, N. I. - Sugar beet seeds are grown near Leningrad. p. 54.
Chernenko, E. S. - Experiments with dwarf fruit plants p. 55
Kovaleva, G. E. - Organization and work of a school "green patrol." p. 58
Shaga, V. S. - Young naturalists study the nature of their homeland. p. 61
Leonova, M. A. - Study of the seasonal phenomena in nature. p. 62
Fedotovskii, V. N. - Excursion on the study of pileate mushrooms p. 65.
Rozhkova, V. G. - Acquainting the fifth graders with enzymes. p. 67.
Magnitskaia, N. A. - Growing perennial floral plants. p. 69.
Kaminir, L. B. - Bionics, a new science. p. 72.
Struchkov, M. I. - Present-day research on some aspects of the higher nervous activity. p. 76.
Gorin, A. P., Mitrofanova, K. S. - Successes of Soviet plant breeding. p. 82.
Novak, V. G. - Philosophy and genetics, about G. V. Platonov's book "Dialectical materialism and the problems of genetics." p. 89.
Prigoshanskaia, L. I. - "Independent work of students in human anatomy and physiology lessons" by E. A. Sokolova. p. 91.
Nikulina, N. G. - "On the path of legends" by I. I. Akimushkin. p. 92.
Brief notes on books. p. 88.
On the occasion of the 60th birthday of P. A. Genkel'. p. 95.

EESTI NSV TEADUSTE AKADEEMIA. Toimetised. Bioloogiline seeria. Izvestiia Akademii nauk Estonskoi SSR. Seriia biologicheskaia [ACADEMY OF SCIENCES OF THE ESTONIAN S. S. R. Bulletin. Biological Series]. Tallinn, vol. 12, no. 3, 1963.

MIKROBIOLOGICHNYI ZHURNAL [JOURNAL OF MICROBIOLOGY]. Issued by Instytut mikrobiologii Akademii nauk URSR [Institute of Microbiology of the Academy of Sciences of the Ukrainian S. S. R.]. Kiev, vol. 25, no. 4, 1963.

Table of contents translated.

Matseliukh, B. P. - Transmission of some biochemical properties in actinomycetes by means of DNA under the conditions of interspecific transformation. p. 3.
Demikhovs'kyi, IU. I., Roskvas, O. M. - Differences in the luminescence of spores in Bacillus brevis and Actinomyces griseus. p. 7.
Petruk, H. F. - Variability of Morgan's bacilli in bile-meat-peptone broth cultures. p. 10.
Martyniuk, IU. V., Emdina, I. O. - Results of serological examination of various occupational groups of the population in western provinces of the Ukrainian S. S. R. and detection of sporadic cases of Q fever. p. 13.
Nemilienko, F. IE., Kuchura, T. L. - Effect of variable temperature on the causative agents of penicilliosis in corn seeds. p. 18.
Zakharova, I. IA., Drobot'ko, S. V. - Study of the complete antigen of pathogenic and nonpathogenic strains of Bacillus coli. p. 22.
Zhdanova, N. M. - Distribution of dark-colored Hyphomycetes in the rhizosphere of corn in steppe and forest-steppe areas of the Ukrainian S. S. R. p. 28.
Dudchenko, V. H. - Microbiological study of some peats of the Ukrainian S. S. R. p. 34.
Malashenko, IU. R. - Effect of dendrodochin in general reducing activity and the activity of specific dehydrogenases in the organs and tissues of a rabbit. p. 40.
Aizenman, B. IU., and others. - Testing the antitumorigenic activity of extracts from higher plants in vitro. p. 46.
Aizenman, B. IU., and others - Testing the antitumorigenic activity of alkaloids. p. 52
Diachenko, S. S. - Studies in microbiology p. 58
Bobyr, A. D. - Studies of phytopathogenic viruses in Czechoslovakia. p. 63.
Biryhor'leva, L. V. - Problems of microbiology and virology at the Czechoslovak Medical Congress. p. 66.
Matseliukh, B. P. - Symposium on the problems of medical genetics p. 67.
Pidoplichko, M. M. - Academician Traian Sevulescu; an obituary. p. 69.

REFERATIVNYI ZHURNAL: BIOLOGICHESKAIA KHIMIIA (Otdel'nyi vypusk 30f) [JOURNAL OF ABSTRACTS BIOCHEMISTRY (Separate Issue 30f)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 19-20, Oct. 1963.

REFERATIVNYI ZHURNAL: BIOLOGIIA [JOURNAL OF ABSTRACTS. BIOLOGY] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Moscow, no. 19, Oct. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly; biologicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools; Biological Sciences]. Moscow, no 3, 1963.

Table of contents translated

Galkovskaia, G. A. - Productive possibilities of plankton rotifers. p. 7.
Deksbakh, N. K., Sokolova, G. A. - Biology of Hydra oligactis (Pall.). p. 11.
Polteva, D. G. - Phenomena of regeneration and somatic embriogenesis in Actinia equina L. p. 13.
Kondrat'ev, G. P. - Temperature effect on the filtration of freshwater shells. p. 17.
Dubovskii, G. K. - Carrot-injuring cicadas. p. 21.
Petrova, A. D., Durova, L. I., Il'enko, A. I. - Effectiveness of DDT in the control of mites and fleas in artificial bird nesting places p. 23.
Mel'nikov, G. B., Chaplina, A. M. - Introduction of the Lake Sevan trout (Salmo ischchan Kessler) into Crimean water reservoirs. p. 26.
Abdel'-malek, S. A. - Feeding habits of adult three-spined stickleback (Gasterosteus aculeatus L.) in the Kandalaksha Bay of the White Sea. p. 31.
Smirnov, A. I. - Preservation of the fertilization ability of eggs and sperm cells of humpback salmon (Oncorhynchus gorbuscha (Walbaum)) in water. p. 37.
Iordanskii, N. N. - Some functional characteristics of a crocodile skull p. 42
Minochkina, T. P. - Afferent innervation of the reptile esophagus. p. 47.
Minoranskii, V. A. - Nesting of herring gulls on Lake Manych-Gudilo p. 51.
Pegel', V. A., Remorov, V. A. - Effect of cooling and heating of water on the electrocardiogram and oxyhemoglobin content in the blood of fishes adapted to a certain temperature of the environment. p. 54.
Takhtareva, I. I. - Vagal inhibition in case of cardiac denervation of various extent. p. 58.
Batuev, A. S. - Some mechanisms of compensatory and substitutional functions of a motor analyzer after the elimination of visual reception. p. 63.
Supin, A. IA. - Mechanisms of the reaction of the reconstruction of electroencephalographic rhythm. Pt. 2 Reflection of the functional state of the cerebral cortex within the parameters of the response. p. 69.
Vundel, P. A. - Autumnal reproduction of geese induced by differentiated light regime. p. 75.
Dmitriev, A. S., Tushnova, T. V., Shikhova, R. IA. - Conditioned reflexes to time established by the prevalent participation of the second signal system. p. 78.
Bulakova, E. V., Kakushkina, M. L., Koneeva, N. V. - Effect of X-raying on the eggs of Artemia salina L. p. 83.
Gasanov, R., Mamedov, T. G. - Dependence of the intensity of extremely weak chemiluminescence of plants on the temperature of pH of the environment. p. 86.
Suprun, T. P. - Seasonal changes in the microflora of forest soils in the vicinity of Moscow. p. 93.
Sladkov, A. N. - Morphographical classification of pollen and spores (based on the works of G. Erdtman). p. 104.
Sharova, V. A. - Conditions of seed germination of the Volga hedge mustard (Sisymbrium wolgense M. B.). p. 112.
Artamonova, I. K. - Some characteristics of vegetative reproduction in Poa longifolia Trin. p. 119.
Zlobin, IU. A., Khamchenko, N. A. - Some ecological and phytocoenotic characteristics of common heather (Calluna vulgaris Hill.) at the eastern border of its range. p. 125.
Voronkov, N. A. - Water economy and the formation of young pine growths on the sands of the Middle Don. p. 131.
Zozulin, G. M. - Natural forests of the Don-Tsimlyanskaya sand massif. p. 139.

Sagutonova, T.N. - Carotinoid content in the kernels of yellow hybrid corn depending on the variety, fertilizers and the region of growth. p. 145.

Shul'gin, I.A., and others. - Brightness of differently oriented leaves. p. 150

Piroskunikov, N.I., Loseva, L.P. - Glycolytic enzymes of wheat germ and their fractionation. p. 157.

Galushko, A.M. - Change in the content of nutritive substances in detached leaves of the European beech. p. 163.

Vlasov, IU.I., Larina, E.I. - Some patterns of the luminescence of plant tissues during viral lesions of the necrotic type. p. 166.

Sukhanova, E.I. - Microflora of marine invertebrates. p. 171

Usufov, A.G. - Development of branched ears in corn. p. 175.

Pakhomchuk, A.S. - Effect of X-raying of the seeds of grafted beet plants on root formation in the first generation. p. 178.

Orlov, D.S., Zub, V.P. - Optical properties and elementary composition of fulvic acids of various origins. p. 182.

Voronin, A.D. - Character of ultraporosity of the fractions of mechanical elements in the soil complexes of the light-colored Chestnut subzone. p. 189.

Dobrovol'skii, V.V. - Distribution of dispersed chemical elements between the soil forming rocks, soil, and vegetation in the Moscow region. p. 193.

Fedorov, K.N. - Methodology of micromorphological study of soil microsections p. 199.

Rozanov, B.G. - Laterite and lateritization. p. 205.

Eremin, G.G. - Regional characteristics of the soil cover in the Crimean steppes. p. 211.

Levin, F.I., Subbotina, E.N. - Effect of large amounts of mineral fertilizers upon the acidity of soil solution and the mobility of elements in little-cultivated strongly podzolized turf soils. p. 218.

Viktorov, D.P. - "Physiology of plants" by V.A. Novikov. p. 223.

Rubin, B.A. - Useful manual p. 224.

UZBEKSKII BIOLOGICHESKII ZHURNAL [UZBEK BIOLOGICAL JOURNAL]. Issued by Akademiia nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 7, no. 3, 1963.

Table of contents translated

Musaev, K.IU., Ergeshev, A., Saidova, R. - Flora of algae of some natural and artificial hot springs in Central Asia. p. 5.

IAkubov, A.M., and others. - Distribution of copper, manganese, and molybdenum in soils and in the plants, Polygonum corlarium Grig. and Rumex thunschanicus A. Los. p. 12.

Khodzhaev, K. - Biology of flowering in species of the genus Cassia. p. 18.

Konycheva, V.I. - Biology of flowering and fruiting of Salsola arbuscula Pall. p. 22.

Demurina, E.M. - Landscape and its exhibition. p. 26.

Mavzhudov, A.A. - Representatives of the genus Celtis L. in Tashkent. p. 32.

Milogradova, E.I., and others. - Methods for mass cultivation of chlorella. p. 38.

Abidov, A.A. - Higher nervous activity in dogs and the sugar level of blood under conditions of a changed pathway of the discharge of hormones of the pancreas into the system of the portal vein. p. 42.

Davlatov, IA. - Electrophoretic fractionation of snake venom on agar gel. p. 45.

Nazarov, Z.F. - Carotene content in vegetable food products of Tashkent Province. p. 50.

Kashkarov, D.IU. - Some causes of the natural diminution of the number of young red-crested pochard in the Amu Darya Delta. p. 54.

Nigmanova, N.N. - Comparative morphological characteristics and yield of some forms of vine crops p. 57.

Khamidov, G. - L. Bulgakova's and F. Suvorin's book, "Honey plants in migratory apiculture." p. 62.

ZOOLOGICHESKII ZHURNAL [ZOOLOGICAL JOURNAL]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 42, no. 8, 1963.

Table of contents translated:

Matveev, B.S. - Fiftieth anniversary of A.N. Severtsov's "Essays on the theory of evolution. p. 1120.

Gilarov, M.S. - Soil fauna as an indicator of the distribution of Brown soils in Kodry Moldavia. p. 1135.

Blagoveshchenskata, N.M., Kondratenko, V.F., Zarubina, L.V. - Natural nidus of Leptospira pomona in the Kabardino-Balkar A.S.S.R. p. 1147.

Semenova, L.M. - Adaptive features of the cuticle of Crustacea and its morphological characteristics in the phylum of arthropods. p. 1155.

Borkhsenius, N.S. - Revision of the genus Lepidosaphes Shimer (Coccoidea, Homoptera, Insecta). p. 1161.

Khrotinskii, L.G. - Snout beetles of the genus Apion Hbst. connected with the leguminous plants in Chernovtsy Province. p. 1175.

Novikov, N.P. - Abundance of the halibut Hippoglossus hippoglossus stenolepis Schm. in the Bering Sea. p. 1183.

Reshetnikov, IU.S. - Variability of Coregonidae. p. 1187.

Naumov, N.P., and others. - Some problems of the acoustic orientation in terrestrial vertebrates. p. 1200.

Manuilova, N.A. - Characteristics of the development of the brain in wild fowl as related to the development of the organ of vision. p. 1213.

Kuznetskin, E.N. - Distribution of some species of sea birds in the North Pacific. p. 1223.

Nurgel'dyev, O.N. - Mammalian fauna of the southeastern Kara Kum and its changes caused by the construction of the Kara Kum Canal. p. 1232.

Papanian, S.B. - Seasonal changes in the reaction of some species of voles (Microtinae) of Armenia to the action of the environmental temperature. p. 1245.

Tropin, N.N. - Effect of unfavorable living conditions on Meriones meridianus Pall. and M. tamariscinus Pall. of the southwestern part of the Volga-Ural sands. p. 1252.

Lange, A.B. - Microsurgical instruments and appliances. p. 1257.

Tamarina, N.A. - Technique of the microsurgery of insects. p. 1260.

Alifanov, V.I. - Differential characters of the larvae of Ixodes persulcatus P. Sch. and Ixodes apronophorus P. Sch. p. 1264.

Puchkova, L.V. - Rudiments of odoriferous glands in the pupae of the family Scarabaeidae. p. 1266.

Rossolimo, O.L. - Specific independence of the Tien Shan forest vole Clethrionomys frater Thos. p. 1268.

Bol'shakov, V.N. - New habitats of the red-backed bank vole Clethrionomys rufocanus Sund. in the Southern Urals p. 1272.

Khuzin, R.Sh., IAblokov, A.V. - Some features of the functioning of the digestive tract in the hooded seal (Cystophora cristata) during its feeding on milk. p. 1273.

Ivashin, M.V. - A case of extrauterine pregnancy in the sei whale (Balaenoptera borealis Lesson) p. 1275.

Kusakin, O.G. - IA.A. Birshtein's "Deep-sea isopods of the northwestern part of the Pacific Ocean." p. 1278.

Chernova, N.M. - "Effect of fertilizers on soil fauna" by G. Heinke and others. p. 1280

Brief news and information. p. 1283.

d CHEMISTRY

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia. Khimicheskie nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin Chemical Sciences]. Erivan, vol. 16, no. 4, 1963.

Table of contents translated:

Alchudzhan, A.A., Mantikian, M.A., Aikazian, A.M. - Mixed adsorption catalysts of dehydrogenation. Report No. 1: Pd/SiO_2 as a catalyst of cyclohexane dehydrogenation. p. 303.

Alchudzhan, A.A., Mantikian, M.A., Aikazian, A.M. - Mixed adsorption catalysts of dehydrogenation. Report No. 2. Pd-Ag/SiO as a catalyst of cyclohexane dehydrogenation. p. 303

Babaian, G.G., Grunashian, A.P. - Thermographic study of some sodium and potassium metasilicates p. 327.

Darbinian, M.V., Galbakian, D.S. - Ion exchange separation of rhenium from molybdenum on the KU-2 cation exchanger. Report No. 4: Separation of rhenium from molybdenum in a medium of certain complex-forming acids p 335.

Mkhitarian, R.S., Zatikian, L.O. - Solubility of zinc chloride in aqueous solutions of ammonia at 35°C. (region of ammoniate formatio

Matsoian, S.G., Morlian, N.M. tion and copolymerization. F ture of dimethylvinylethynyl the mechanism of their for

Madzhoian, A.L., Papaian, G Derivatives of substituted No. 25: β-Dialkyl aminoeth aminopropyl, and β,β-dime propyl esters of (p-chlorop carboxylic acid. p. 359.

Madzhoian, A.L., and others. koxybenzoic acids. Report γ-methylpropyl-, and γ-di of p-alkoxybenzoic acids.

Aroian, A.A. - Chloromethyl of o-alkoxybenzoic acids a tained in some syntheses.

Madzhoian, A.L., Babikian, I Derivatives of furan. Rep 2-furylsuccinimides. p. 3

Vartanian, S.A., Zhamagort A.S. - Chemistry of vinyl No. 41: Synthesis and som substituted divinyl ketones

Vartanian, S.A., Zhamagort L.G. - Chemistry of vinyl No. 42: Synthesis of 4-hyd carboxylic acids and their

Madzhoian, A.L., and others furan. Report No. 10: Syn N-(3-methylbenzofurfuryl) diamines. p. 407.

AKADEMIIA NAUK SSSR. Izves skaia [ACADEMY OF SCIENC Bulletin. Chemical Series]. 1963.

Table of contents t

Ul'ianov, A.I., Kazakova, T

CePO4 - H_3PO_4 - H_2O at 25°C. p 1157. B 13c-13d

Sakharov, A.I., Dubinin, M.M., Berezkina, IU.F - Adsorption of vapors on nonporous adsorbent models having a physically modified surface Report No 2 Low temperature adsorption of nitrogen vapors on carbon black with preadsorbed benzene and methyl alcohol p. 1165.

Novokshonova, L.A., TSvetkova, V.I., Chikov, N.M. - Dependence of the process rate and molecular weight of the product on the concentration of monomer during the polymerization of propylene on a VCl_3 - Al(i-Bu)$_3$ catalytic system p. 1170.

Klikina, L.D., Malranovskii, S.G. - Surface catalytic evolution of hydrogen during the polarographic investigation of unbuffered solutions of pyridine. p. 1183.

Popova, T.I., Simonova, N.A. - Passivation of indium in aqueous solutions. p. 1187.

Vasil'ev, R.F. - Calculation of the steady-state concentrations of R and RO2 radicals as a function of the concentration of O_2 in the reactions of oxidation of hydrocarbons. p. 1191

Avramenko, L.I., Krasnen'kov, V.M. - Reactions involving nitrogen atoms. Report No. 1 Certain properties of nitrogen atoms and the rate constants for the recombination of atoms in space and on various surfaces. p. 1196.

Gonelm, F.B., Balandin, A.A., Slovokhotova, T.A. - Dehydrogenation and hydrogenolysis of cyclohexane on Ru/SiO_2 catalyst. p. 1203.

Shcheglova, A.P., Bogdanova, O.K., Balandin, A.A. - Catalytic dehydrogenation of isomeric isopentenes. Report No. 2 Dehydrogenation of 2-methyl-1-butene and 3-methyl-1-butene. p 1210

Bogdanova, O.K., Shcheglova, A.P., Balandin, A.A. - Catalytic dehydrogenation of isomeric isopentenes Report No. 3: Catalytic conversions of isopentenes as dependent on their structure. p. 1215.

Lazarev, A.N., and others. - Infrared spectra of rare earth oxyorthosilicates. p. 1220.

Kabachnik, M.I., TSvetkov, E.N. - Lower dialkyl phosphinous acids (oxides of secondary phosphines) and some of their properties. p. 1227.

Mikhailov, B.M., Aronovich, P.M. - Organoboron compounds. Report No. 118: Ethanediboronic acids and some of their derivatives. p. 1233.

Limanov, V.E., Ananchenko, S.N., Torgov, I.V. - Synthesis of $\Delta^{8(9)}$, 14-bisdehydro-D-homoestrone. p. 1239.

Kochetkov, N.K., Usov, A.I. - Monosaccharides. Report No. 5: Behavior of some monosaccharide derivatives in the reaction with triphenyl phosphite iodomethylate. p. 1243.

Segal', G.M., Rybkina, L.P., Kucherov, V.F. - Stereochemistry of cyclic compounds. Report No. 55. Steric orientation of the diene condensation of 1-vinyl-Δ^1-cyclohexene with trans-β-nitropropylene. p. 1253.

Bergel'son, L.D., Batrakov, S.G. - Unsaturated acids and macrocyclic lactones. Report No. 10: Synthesis of β-hydroxy-α,α',γ-trimethylpimelic lactone. p. 1259.

Andrianov, K.A., Emel'ianov, V.N. - Synthesis of polyesters and polyester amides having a cycloreticular structure. p. 1267.

Gladkovskii, G.A., and others. - Synthesis and properties of vinyltropylium perchlorate. p. 1273.

Viktorova, E.A., Shulkin, N.I., Popova, S.E. - Alkylation of phenols by bifunctional compounds. Report No. 8: Catalytic alkylation of m- and p-cresols by 1,3-propanediols p. 1277

Viktorova, E.A., Shulkin, N.I., Karakhanov, E.A. - Alkylation of phenols by bifunctional compounds

B 13d Sobolev, E.V., Aleksanian, V.T. - Some anomalies in vibrational spectra of α,β-unsaturated ketones p.1336.

Shemiakin, M.M., and others. - Mechanism of para- and ortho-rearrangements of substituted azoxy compounds. p.1339

Povarov, L.S., Mikhailov, B.M. - Di(ethoxyethyl) acetal of benzaldehyde and its reaction with vinyl ethyl ether. p.1342

Sladkov, A.M., Korshak, V.V., Makhsumov, A.G. - Synthesis of polyesters with acetylenic bonds in their chain. p.1343

Karapetian, Sh.A., Englin, B.A., Freidlina, R.Kh. - Constants of chain transfer in the reaction of ethylene thelomerization with carbon tetrachloride p.1346.

Nesmeianov, A.N., Anisimov, K.N., Kolobova, N.E. - Derivatives of manganese pentacarbonyl p.1348.

Berlin, A.A., and others. - Polymeric semiquinone polyradicals of high stability. p.1351.

Povarov, L.S., Mikhailov, B.M. - Reaction of γ-ethoxyacetals with aromatic amines. p.1352.

Feoktistov, L.G., Tomilov, A.P., Gol'din, M.M. - Conjugated electrochemical cleavage of halogen compounds. p.1352

No.8, Aug 1963.

Table of contents translated

Sukhorukov, B.I., Poltev, V.I. - On the theory of tautomerism of complex systems. p.1357.

Patrikeev, V.V., Shakhova, S.K. - Application of the refractometric method of analysis for the study of catalytic reaction equilibrium. p.1365

Mikhailov, B.M., Nikolaeva, M.E. - Organoboron compounds. Report No.119: Action of boron tribromide on olefinic hydrocarbons. p.1366

Strunin, B.N., Okhlobystin, O.IU., Zakharkin, L.I. - Organomagnesium synthesis of some organophosphorus compounds in ester-free medium. p.1373.

Nesmeianov, A.N., and others - Synthesis of ferrocene derivatives from nitriles of ferrocenecarboxylic acids p.1377.

Arbuzov, B.A., and others. - Esters of β-ketophosphinic acids. Report No.12. Structure of the products of interaction of some aromatic α-halo ketones with triethyl phosphite and sodium diethyl phosphite. p.1380.

Knuniants, I.L., Cheburkov, IU.A., Bargamova, M.D. - Perfluorodemethylketene and perfluoromethacrylic acid Report No.1: Hexafluoroisobutyric acid halides from fluorinated ethers p.1389.

Knuniants, I.L., Cheburkov, IU.A., Bargamova, M.D. - Perfluorodimethylketene and perfluoromethacrylic acid. Report No.2 Comparison of α-hydrohexafluoroisobutyric acid halides in the reaction with triethylamine. p.1393.

Kochetkov, N.K., Khorlin, A.IA., Vas'kovskii, V.E. - Triterpenic saponins. Report No.4: Structure of aralosides A and B p.1398

Kochetkov, N.K., Khorlin, A.IA., Vas'kovskii, V.E. - Triterpenic saponins. Report No.5: Structure of aralosides A and B. p.1409.

Bergel'son, L.D., and others. - Unsaturated acids and macrocyclic lactones. Report No.11: Total synthesis of cis-8-hexadecenoic, cis-11-hexadecenoic (palmitvaccenic), cis-7-octadecenoic and cis-9-hexacosanoic acids. p.1417.

Segal', G.M., Rybkina, L.P., Kucherov, V.F. - Stereochemistry of cyclic compounds. Report No.56: Steric course of the diene condensation of l-(α-vinyl chloride)-Δ^1-cyclohexene with trans-nitropropylene. p.1421.

Kucherov, V.F., and others. - Synthesis and the character of enolization of some β-diketones of the perhydroindan series. p.1428.

Ivanova, L.N., and others. - Some reaction of β-diketones of the perhydroindan series. p.1439.

Moiseenko, A.M., Akhrem, A.A. - Analogs of corticosteroids. Report No.13: Cis-opening of acetylcyclohexene oxide. p.1446.

Gol'dfarb, IA.L., Taits, S.Z., Belen'kii, L.I. - New method of synthesizing macrocyclic compounds. Report No.4: Effect of the length of aliphatic chain on the character and yield of the products formed in the intramolecular acylation of ω-(2-thienyl) alkanoic acid chlorides. p.1451.

Taits, S.Z., Belen'kii, L.I., Gol'dfarb, IA.L. - New method of synthesizing macrocyclic compounds. Report No.5: Effect of the phase composition of a reaction mixture on the process of intramolecular acylation of 10-(2-thienyl) capric acid chloride. p.1460.

Shutkin, N.I., and others - Catalytic dehydrocyclization of 2-n-octylnaphthalene. p.1469.

Shutkin, N.I., and others. - Hydrogenation of 2-methyl-5-acetylfuran in the liquid phase. p.1475.

Shutkin, N.I., An, V.V. - Catalytic cleavage of organic oxides. p.1478.

Minsker, K.S., Graevskii, A.I., Razuvaev, G.A. - Polymerization of methyl methacrylate in the presence of organoaluminum compounds. p.1483.

Vasnev, V.A., Sosin, S.L., Korshak, V.V. - Synthesis of polymers from diphenylmethane derivatives by means of polyrecombination reaction. p.1487.

Korshak, V.V., and others. - Polyesters of boric acid. p.1495.

Vul'fson, N.S., Zaretskii, V.I., Chetverikova, L.S. - Thin layer chromatography of natural coumarins and furanocoumarins p.1503.

Borisov, A.E., Novikova, N.V., Nesmeianov, A.N. - Triallylstibine p.1506.

Borisov, A.L., Osipova, M.A., Nesmeianov, A.N. - Alkenyl compounds of bismuth p.1507.

Rozantsev, E.G., Neiman, M.B., Mamedova, IU.G. - Reaction of free organic radicals with organic reagents p.1509.

Arbuzov, B.A., Butenko, G.G., IAhlokov, IU.V. - Study of some polyene ketones by the electron paramagnetic resonance method. p.1511.

Belavskii, A.B., Kost, V.N. - Interaction of ethylene with trihalomethanes containing chlorine and bromine p.1514

Bogdanov, G.N., Ershov, V.V. - New stablephenoxyl radicals. p.1516.

Razuvaev, G.A., and others. - Study of the reaction of methyl isothiocyanate with ethylene oxide by the proton magnetic resonance method p.1518.

Khorlin, A.IA., Ovodov, IU.S., Ovodova, R.G. - Identity of gypsoside and triterpenic saponin obtained from Gypsophila paniculata L. p.1521.

Vorozhtsov, jun., N.N., Platonov, V.E., IAkobson, G.G. - Preparation of hexafluorobenzene from hexachlorobenzene. p.1524

Vul'fson, N.S., and others - Mass spectra of phenylthiohydantoins of amino acids. p.1524

Alfimov, M.V., and others. - Excitation of triplet states of naphthalene and benzene molecules by fast electrons. p.1525.

Leites, L.A. - Nature of "β-effect" in allyl derivatives combined with Si, Ge, Sn p.1525.

Zakharkin, L.I., Gavrilenko, V.V., Maslin, D.N. - Reduction of carboxylic acid esters to aldehydes with sodium aluminum hydride. p.1526

Ptitsyna, O.A., and others. - Photochemical reaction between triphenylphosphine and diphenyl iodonium salts p.1527.

Moiseev, I.I., Belov, A.P., Syrkin, IA.K. - Interaction between propylene and palladium chloride in acetic acid solutions. p.1527.

No.9, Sep, 1963.

Table of contents translated

Buslaev, IU.A., Gustiakova, M.P. - Composition of crystal hydrates and some properties of vanadyl fluoride. p.1533.

Khalduk, Ionel, Andrianov, K.A. - Nomenclature of silicon-containing inorganic heterocycles p.1537

Rudenko, B.A., Nazarova, I.I., Kucherov, V.F. - Gas-liquid chromatography of oxygen-containing polyene compounds. p.1545.

Ponomarenko, E.A., Frumkin, A.N., Burshtein, R.Kh. - Dependence of carbon electrode potential on the pH of a solution under isoelectric conditions. p.1549.

Tiagai, V.A. - Electrochemical behavior of cadmium sulfide. p.1556.

Mironov, V.F., Kravchenko, A.L. - Relative electronegativity of germanium and silicon in organic compounds. p.1563.

Cheburkov, IU.A., Mysov, E.I., Knuniants, I.L. - Perfluoroalkylmethylketone and perfluoromethacrylic acid. Report No.3 Comparison of haloanhydrides of α-halohexafluoroisobutyric acids in the reaction with zinc. p.1570.

Cheburkov, IU.A., Knuniants, I.L. - Perfluorodimethylketene and perfluoromethacrylic acid. Report No.4. Pyrolysis of some derivatives of α-hydrohexafluoroisobutyric acid. p.1573.

Knuniants, I.L., Pervova, E.IA., Tuleneva, V.V. - Reactions of fluorinated olefins. Report No.17 Competing conjugation in perfluoroalkenylphosphinic esters. p.1576.

Freidlina, R.Kh., Kost, T.A. - Synthesis of symmetrical acetylenic hydrocarbons and their α,ω-di-derivatives starting from α,α,α-trichloro- and $\alpha,\alpha,\alpha,\omega$-tetrachloroalkanes. p.1583.

Vasil'eva, T.T., Kost, V.N. - Action of diethylamine on polychlorofluoropropenes of $CH_2=CXCF_nCl_{3-n}$ type. p.1587.

Kochetkov, N.K., and others. - Analogs of enzymes of carbohydrate metabolism. Report No.3: Synthesis of 4-thiouridine diphosphate glucose. p.1592.

Smit, V.A., Semenovskii, A.V., Kucherov, V.F. - Cyclization of isoprenoid compounds. Report No.7: Low-temperature cyclization of dihydro-α-, dihydro-β-, and dihydro-γ-ionones. p.1601.

Mironov, V.A., Sobolev, E.V., Elizarova, A.N. - Substituted cyclopentadienes and related compounds Report No.10: Three isomeric methylcyclopentadienes. p.1607.

Samokhvalov, G.I., and others. - 7-Alkyl derivatives of quercetin and their antioxidizing effectiveness. p.1617.

Gol'dfarb, IA.L., Litvinov, V.P. - Thiophthene series. Report No.3. Cyclization of acetonylmercaptothiophenes in the presence of aluminum chloride. p.1621.

Gol'dfarb, IA.L., and others. - Thiophthene series. Report No.4: Quantitative composition of the product obtained by the cyclization of 5-ethyl-2-acetonylmercaptothiophene in the presence of aluminum chloride. p.1627.

Bel'skii, I.F., Shuikin, N.I., Shostakovskii, V.N. - Catalytic hydrogenation of furan and aliphatic dichloroxy compounds by the flow method under elevated hydrogen pressure p.1631

Orlov, Kh.IA., Martynov, A.A., Bulychev, V.P. - Catalytic conversions of high molecular weight paraffins Report No.1 Isomerization of n-octadecane in the presence of commercial catalyst WS_2-NiS-Al_2O_3. p.1636

Novikov, S.S., Sevost'anova, V.V. - Addition of silane hydrides to unsaturated nitro compounds and the synthesis of nitroalkyl silovanes. p.1641

Korshak, V.V., and others. - Reaction of 1,2-diphenyldiborane with amines and organohalodiamines. p.1645

Korshak, V.V., Zamiatina, V.A., Beksova, N.I. - Polycondensation of 1,2-diphenyldibromoethane with diamines p.1648.

Berlin, A.A., Bass, S.I. - "Matrix effects" during the activation of compounds having a conjugation system in the reaction inhibiting the oxidation processes. p.1652.

Vonsiatskii, V.A., and others. - Spectral study of polyphenylene and its block copolymers with p-dioxybenzene. p.1654.

Sokolova, T.A., Ovsiannikova, L.A. - Synthesis of N-substituted acrylamides. p.1658.

Andrianov, K.A., Shapatin, A.S., Ponomarev, V.V. - Reactions of aluminum alcoholates with esters of inorganic acids. p.1660

Nikonorov, K.V., Nikonenko, V.A. - Synthesis of esters of α-chloroacetoxy-β,β,β-trichloroethylphosphinic acid. p.1662.

Davydov, B.E., and others. - Electrophysical properties of polyazines. p.1664.

Ershov, V.V., Zlobina, G.A. - Formation of nitrocyclohexadienones by the nitration of 2,4,6-trialkyl phenols. p.1667.

Rozantsev, E.G. - Reactions of a new organic radical in which free valency is not involved. p.1669

Andrianov, K.A., Siplagina, M.A., Fridshtein, T.I. - Reactions of tetrakis (methylphenylsiloxanehydroxyl)titaniums and silanes with trimethyl- and triphenylchlorosilanes p.1672

Bel'skii, I.F., Shuikin, N.I., Skobtsova, G.E. - Conjugated hydrogenolysis in the synthesis of pyrrolidine homologs. p.1675

Shuikin, N.I., Bel'skii, I.F., Skobtsova, G.E. - Catalytic synthesis of higher pyrrole and pyrrolidine homologs from α-furylalkylamines p.1678.

Brusnikina, V.M., Novikov, S.S., Rudenko, V.A. - Aminotriazoles in the Mannich reaction p.1681.

Gol'dshtein, I.P., and others. - Interaction of hydrogen chloride, tetra-n-butyl ammonium chloride with trimethylchlorosilane in benzene solutions p.1683.

Kuznetsova, Z.I., Ivanova, V.S., Shorygina, N.N. - Nitrocarboxy derivatives of cellulose p.1686.

Kuznetsova, Z.I., Ivanov, V.I., Prostiakova, V.M. - Oxidation of D'-methoxy-D-hydroxymethyldigitalaldehyde by nitrogen oxides. p.1688.

Markin, V.S. - On the properties of interface boundary in one model of porous material p.1690.

Zakharkin, L.I., Savina, L.A. - Production of cyclopropane hydrocarbons via organoaluminum compounds. p.1693.

IUfit, S.S., Kucherov, V.F. - Dimerization of cyclic ethylene acetal of crotonaldehyde. p.1695.

Nikonorov, K.V., Speranskaia, Z.G. - Synthesis of amido esters of pyrophosphoric and thiopyrophosphoric acids. p.1697.

Nesmeianov, A.N., and others. - Preliminary report on the alkylation of bis (cyclopentadienyl) titanium dichloride is erroneous. p.1699.

Koptiug, V.A., and others. - Structure of the complex of mesitylene with aluminum bromide and hydrogen bromide. p.1700.

Zakharychev, A.V., and others - Synthesis of estrone derivatives based on 1-vinyl-1,2,3,4-tetrahydro-1,6-naphthalenedione. p.1701.

Andrianov, K.A., Khaiduk, Ionel, Khananashvili, L.M. - New eight-membered cyclosilazoxanes. p.1701.

Smit, V.A., Semenovskii, A.V., Kucherov, V.F. - Dependence of the steric course of isoprenoid cyclization reaction on the configuration of 6,7-double bond. p.1702.

Mikhailov, B.M., Kozminskaia, T.K. - Boronium salts from 1-chloroboracycloheptane. p.1703.

KHIMIIA V SHKOLE [CHEMISTRY IN SCHOOLS]. Issued by Ministerstvo prosveshchenila RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol.18, no.3, May-June 1963.

Table of contents translated.

Filippovich, IU.B. - Nucleic acids and the problem of specific biosynthesis of macromolecules. p.3.

Markin, F.E. - Nature of aromatic systems. p.15.

Gloriozov, P.A. - Studying the topic "Fundamental chemical concepts" in the ninth grade. p.25.

Practical work in organic chemistry. p.36.

Chertkov, I.N. - Conducting practical work in organic chemistry. p.44.

Androsova, V.G. - Introductory course in organic chemistry and industrial training. p.51.

Perepolova, T.M. - Inculcating the dialectico-materialistic philosophy in students during chemistry lessons. p.55.

Lapina, R.P. - Independent work of students in chemistry lessons. p.61
Man'ko, I.A. - Class held at a blast furnace. p.67
Kul'man, A.G. - On G.P. Khomchenko's article "Coordination between teaching of chemistry in secondary schools and in institutions of higher learning." p.70
Skobelev, V.F. - Institutions of higher learning and secondary schools. p.71.
Zavizion, E.F. - Experiments with latex and polyvinyl alcohol. p.76
TSiaf, N.Z. - Experiments with the processing of natural gas. p.80.
Gaponenko, I.M. - Amphoterism of proteins as demonstrated by glutenin. p.82
Schroeter, Werner. - New atomic weights. p.84.
Gutgesell, Rolf. - Introducing the new atomic weights in the teaching of chemistry. p.87.
Editor's mail. p.88.
Kandalov, V.P. - About Zubarev's book "Chemistry in a workshop." p.91
New books. p.92.
Drizovskaia, T.M. - Republic-wide "Pedagogical lectures" in 1963. p.93.

MOSCOW. UNIVERSITET. Vestnik. Seriia 2. Khimiia [UNIVERSITY. Review. Series 2: Chemistry] Vol 18, no.4, July-Aug. 1963.

Table of contents translated

Potapov, V.M. - Spectropolarimetry, a new method of investigation in organic chemistry. p.3.
Potapov, V.M., Dem'ianovich, V.M. - Spectropolarimetric study of certain amides and xanthates in connection with L.A. Chugaev's works. p.24.
Potapov, V.M., Moiseeva, G.P., Terent'ev, A.P. - Optically active reagents for the carbonyl group. p.28
Pentin, IU.A., Sharipov, Z. - Spectroscopic study of the rotational isomerism of allyl bromide and methallyl chloride. p.30
Zhilnev, IU.N., Filippov, IU.V. - Synthesis of ozone from nitrogen-oxygen mixtures at elevated temperatures. p.36.
Vorob'ev, A.F., Privalova, N.M., Skuratov, S.M. - Enthalpy of formation of halogen anions in aqueous solutions. p.39.
Makarov, A.V., Panchenkov, G.M. - Kinetics of desorption of boron trifluoride from some of its complex compounds. p.46.
Agronomov, A.E., Mishchenko, A.P. - Activity of a Co/Al_2O_3 catalyst with various ratios of components. p.50.
Grishina, T.M., Khomchenko, G.P., Vovchenko, G.D. - Comparison of the rates of the catalytic reduction and electrolytic reduction of some organic substances on rhodium. Part 3. p.55.
Trat'iakov, IU.D. - Synthesis of rare earth ferrites of predetermined composition. p.59.
Kudriavtsev, A.S., Savich, I.A. - Synthesis of Schiff bases and inner-complex compounds. p.61.
Bezrukov, V.I., Lapitskii, A.V., Vlasov, L.G. - Reaction of potassium metaniobate with salts of certain metals. p.65.
Altmarin, I.P., Fadeeva, V.I. - Photometric method for determining scandium with chlorophosphanazo-III in wolframite. p.67
TSintsevich, E.P., and others. - Cation exchange study of the behavior of indium as dependent on the concentration of oxalate ions and of the pH of solution. p.70.
Gibalo, I.M., TSin' Guan-zhun [Ch'in Kuang-jung]. - Oxalate complexes of niobium and tantalum. p.73.
Shtenskaia, V.I., Birlukov, A.A. - Absorption spectra of the chloride complexes of tetravalent ruthenium. p.76.
Guseva, A.N., Parnov, E.I. - Solubility of hydrocarbons of the naphthalene series in water. p.80.
Makevnina, L.G., Poddubnaia, N.A. - Chemical structure of the albomycin antibiotic. p.83.
Shvachkin, IU.P., Syrtsova, L.A. - Synthesis of a pyrimidine analog of β-(2,4-dihydroxy-6-methylphenyl)-alanine. p.88.
Shvachkin, IU.P., Krivtsov, G.G. - Preparation of α-C^{14}-β-(4-hydroxy-6-methyl-2-pyrimidyl)-alanine. p.91.
Berdnikov, V.I., Tatevskii, V.M. - General method for calculating the integrals from spin-functions in the method of valence schemes. p.93.
Conference on the nomenclature of inorganic compounds. p.94.

MOSCOW. VSESOIUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. Khimiia; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [ALL-UNION STATE LIBRARY OF FOREIGN LITERATURE. Chemistry, Classed Index of Articles in Foreign Periodicals]. No.7(117), 1963.

REFERATIVNYI ZHURNAL; KHIMIIA [JOURNAL OF ABSTRACTS: CHEMISTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 11,14-15,17, June-Sep. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; khimiia i khimicheskaia tekhnologiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Chemistry and Chemical Technology]. Moscow, vol.6, no.2, 1963

Table of contents translated:

Udovenko, V.V., Evreev, V.N. - Complex compounds of cobalt (III) with monoethanolamine. Part 1. p.179.
Udovenko, V.V., Evreev, V.N. - Complex compounds of cobalt (III) with monoethanolamine Part 2. p.183.
Lobanov, IU.A., Kunin, T.I., Smirnova, G.M. - Kinetics and mechanism of the decomposition of zinc hydrosulfite in aqueous solution. p.189
Speranskaia, E.F. - Spectrophotometric study of the reduction of sexivalent tungsten. p.195
Kuz'mina, N.N., Songina, O.A. - Oxidation of sulfite, sulfide, and thiosulfate on a rotating platinum anode. p.201.
Reznik, B.E., Bedniak, N.A., Pchelkina, M.V. - Kinetics of the reduction of the thiocyanate complex of iron in the presence of copper ions. p.209.
Podobed, N.D. - Investigation by the method of light absorption of the system $BaSO_4$ - C_2H_5OH - H_2O in the presence of cations of various valency. p.212
Khazova, I.P. - Photocolorimetric determination of zinc in ores with the aid of 3-hydroxy-1-o-nitrophenyl-3-phenyltriazene. p.218
Babkin, G.N. - Polarographic limiting current for zinc amalgams. p.223.

Krestov, G.A. - Change of the heat capacity during the hydration of monatomic and polyatomic ions. p.228.
Khaldna, IU.L. - Measurement of the temperature dependence of the basicity constant of m-nitroaniline. p.233.
Loshkarev, M.A., Jasiunas, R.M. - Kinetics of nitrosation of secondary aromatic amines. Part 2. Catalytic action of halide ions. p.236.
Muzychenko, L.A. - Problem of the preferred direction of free-radical reactions. p.243
Kurilenko, O.D., Prilipko, L.T., Mikhaliuk, R.V. - Interaction of polyacrylamide with bentonite suspensions. p.248.
TSekhanskii, R.S. - Absorption spectra of nitrobenzamide derivatives of 4-aminodiphenylmethane and 4-amino-4'-dimethylaminodiphenylmethane. p.252.

Chistiakov, I.G., and others. - Systems having the liquid crystalline state. Part 3: Cholesteryl caprylate and cholesteryl caprinate. p.257.
Fedotova, O.IA., Shtil'man, M.I. - Sulfation of aryl aliphatic polyamides and polyurea. p.260.
Nikitin, V.A., Kunin, T.I. - Reduction of sodium sulfate with gaseous reagents. p.263.
Pechkovskii, V.V., Aminova, S.A., Vorob'ev, N.I. - Roasting of ferrous sulfate in a fluidized bed (pilot plant testing). p.268.
Kudriavtsev, N.T., Pshilusski, IA.B. - Electrodeposition of chromium from solutions of chromium sulfate. p.274.
Flerov, V.N. - Effect of the conditions of charging on the electrochemical characteristics of the silver electrode in silver-zinc batteries. p.280.

Porotkova, V.S., Melekhova, N.I., Zakharov, A.S. - Possibility of using polystyrene in nickel bases of alkaline batteries. p.280.
Davankov, A.B., Zubakova, L.B., Petrova, N.M. - Synthesis and study of copolymers of 2-methyl-5-vinylpyridine with mono-, di-, and triethylene glycol dimethacrylates. p.294.
Borodkina, N.I., Frolov, S.S., Mol'kova, G.N. - Preparation and study of products based on the water-soluble condensates of acetone with formaldehyde. p.299.
Taraskina, K.V., Chumbalov, T.K. - Anthraquinone dyes of Tatar rhubarb (Rheum Tataricum L. Fil). p.305.
Pozin, M.E., Tarat, E.IA., Mrniak, L. - Leaking of liquid through the openings of a grid tray in a foam apparatus. p.310.

Gvozdev, V.D., and others. - Design and construction of apparatus with a fluidized bed of grainy material. Part 1: Gas distribution grids. p.320.
Pavlenko, T.G., and others. - Conduction of chemisorption processes in countercurrent spray columns operating continuously (in the system liquid - liquid). p.328.
Roi, D.K., Dzhabagin, T.K., Semenov, P.A. - Methods of analysis in the study of the absorption kinetics of poorly soluble gases. p.333.
Boldyrev, V.V., Eroshkin, V.I. - Effect of impurities on the photochemical stability of silver sulfite. p.338.
Vasil'ev, V.P., and others. - Equilibria in aqueous solutions of calcium, strontium, and barium nitrates. p.339.

Evianov, G.A., Saf'ianova, N.E. - Thermal stability of the ion exchange resin KU-1. p.341.
Spiridonova, S.I., Nikitin, E.K. - Characteristics of turbidity indicators during physical titration with water. p.343.
Fal'kovskii, V.B., and others. - Preparation of glutaric acid by the oxidation of cyclopentanone with oxygen. p.344.
Kovalenko, P.N., Bagdasarov, K.N. - Scientific Conference of Workers of Metallurgical and Chemical Plants and Scientific Research Associates of Institutions of Higher Learning. p.346.

UKRAINSKII KHIMICHESKII ZHURNAL [UKRAINIAN CHEMICAL JOURNAL]. Issued by Akademiia nauk URSR [Academy of Sciences of the Ukrainian S.S.R.] Kiev, vol.29, no 5, 1963.

Table of contents translated

Piatnitskii, I.V., Klibus, A.Kh. - Complex formation of iron (III) with glycerol and mannitol in an alkaline medium. p.463.
Golub, A.M., Samoilenko, V.M. - Thiocyanate complexes of indium. p.472.
Babko, A.K., Dubovenko, L.I. - Solubility and acidic properties of luminol. p.479
Nazaretian, A.M., Andriushchenko, F.K. - Sulfite complex of silver. p.484
Tretinnik, V.IU., Ovcharenko, F.D. - Aggregation in drilling clay suspensions. p.487.
Tarkovskaia, I.A. - Selective sorption of cations by oxidized carbon and possibility for its practical utilization. p.491
Delimarskii, IU.K., Grishchenko, V.F., Gorodyskii, A.V. - Shift of polarograms during complex formation. p.497.
Delimarskii, IU.K., Grishchenko, V.F. - Use of a platinum electrode in the polarographic study of complex formation in melts. p.502.
Delimarskii, IU.K., Grishchenko, V.F. - Potentiometric study of chloride complexes of lead, cadmium, and nickel in a fused eutectic composition KNO_3 - $NaNO_3$. p.507.
Markov, B.F., Volkov, S.V. - Isobaric potential of the formation of fused zinc chloride. p.511

Emel'ianenko, G.A., Barbarova, E.IA., Simulin, G.G. - Cathodic deposition of zinc and lead at high current densities. p.515.
Teslenko, E.P., Solomko, Z.F., Malinovskii, M.S. - Sulfanilides. Part 9. Dimethylamides of N-arylsulfonyl-N-arylglycine. p.519.
Kulik, G.V. - Synthesis of some amides and imides of naphthalic acid. p.521.
Sazhevskaia, V.P., Kotnev, K.A., Smirnova-Zamkova, S.E. - Polyamides with aromatic and heterocyclic links in the chain. Part 3. Polyamides based on hexamethylenediamine, p-xylylenediamine, and pyridine-2,5-dicarboxylic acid. p.523.
Babko, A.K., Kalinichenko, I.E. - Chemiluminescent method for the quantitative determination of ferricyanides. p.527.

Pilipenko, A.T., Eremenko, O.M. - Comparative characteristics of spectrophotometric methods for determining tantalum and niobium. Part 1. General criteria and inorganic reagents. p.532.
Pilipenko, A.T., Eremenko, O.M. - Comparative characteristics of spectrophotometric methods for determining tantalum and niobium. Part 2. Use of organic reagents. p.538.
"Concise reference book on chemistry" by I.T. Gronovskii, IU.P. Nazarenko, E.F. Nekrinch. p.548.
Fedor Danilovich Ovcharenko, on his fiftieth birthday. p.549.

Vol.29, no 6, 1963.

Table of contents translated.

Antropov, L.I. - On zero points of metals. p.555
Tananaiko, M.M. - Complex formation in the system zirconium - diantipyrylmethane - thiocyanate. p.566.
Artemenko, M.V. - Interaction of copper hydroxide and copper oxide with monoethanolamine, diethanolamine, and triethanolamine. p.571.
Fialkov, IU.IA. - Volumetric properties of binary liquid systems with noninteracting components. p.576.
TSimbler, M.E., Proslanik, N.S. - Chemical characteristics of the reaction of the systems $Pb(OH)_2$ - $K_2C_4H_4O_6$, and $Cd(OH)_2$ - $NaHC_4H_4O_6$ with an excess of hydroxy acid salt present in the solution. p.582.

Nabivanets, B.I., Kudritskaia, L.N. - Determination of the charge of complex ions by paper electrophoresis. p.586.
Golub, A.M., Samoilenko, V.M. - Effect of nonaqueous solvents on the formation of thiocyanate complexes of indium (III). p.590.
Markov, B.F., Podaia, B.P. - Redox potential of the system Tl^{2+}/Tl^{3+} in a KCl-NaCl melt. p.600
Lavrova, G.V., Tsimmergakl, V.A., Sheka, I.A. - Polarographic behavior of indium in citric acid solutions. p.604.
Pupko, L.S., Lanchuk, G.A., Dychenko, A.I. - Synthesis of bromo derivatives of nitroformaldehyde of aryl hydrazone. p.610.
Stepanova, O.S., IAtsenko, E.A. - Synthesis and saponification of alkoxymethyl alkyl malonic esters. p.612.

Malinovskii, M.S., Solomko, Z.F., Glushko, L.P. - Sulfanilides. N-chloroacetyl derivatives of arenesulfanilzidides, arenesulfphenetidides, and arenesulfotoluidides. p.614.
Dorofeenko, G.N., Dzhigirei, N.V. - Perchloric acid and its compounds as catalysts in organic synthesis. Part 11. Catalytic addition of carboxylic acids to cyclohexene. p.618.
Babko, A.K., Litvinenko, V.A. - Catalytic effect of titanium (IV) on the reaction of oxidation of thiosulfate by hydrogen peroxide. Part 1. Effect of concentration. p.618.
Aleksandrov, G.P., and others. - Flame-photometric determination of strontium in a methane-air flame using the SF-5 spectrophotometer. p.623.

B 13d Kobzev, V V , Zan'ko, A A - Quantitative determination of sodium and potassium chlorides in their mixtures by the extraction method p 627

Tananaev, N A , Malkina, T G - Fractional copper detection reaction p 631

Beliakova, E P , Dvernikova, A A - Decomposition of ilmenite concentrate by hydrochloric acid Report No 2 p 633

Filimonovich, K M - Ammonia method of brass oxide coating p 636

Zosimovich, D P , Antonov, S P , Budkevich, V V - Anodic oxidation in chromichromate electrolytes, p 642

Pavlenko, I.G., Zarubitskii, O.G., Roms, IU.G - Anodic refining of bismuth in fused chloride electrolytes, p 647

Shukhet, B A , Sologubenko, L.E , Rutkovskaia, L M. - Production of magnesium sulfate by carbonation of a saline brine of gypsum-magnesia concentrates. p 651.

Andriushchenko, F K , Shagaidenko, V I - Corrosion of carbon steel under $CaCl_2$ solution films in an atmosphere of natural gas p 658

New books p 663

* USPEKHI KHIMII [PROGRESS IN CHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, vol. 32, no. 8, Aug 1963.

Table of contents translated

Prilezhaeva, E.N., Shostakovskii, M.F - "Thiolation" reactions of ethylene derivatives. p. 897.

Boldyrev, V.V., Bystrykh, L.I. - Chemical action of ionizing radiations on inorganic crystals p. 918.

Sokolov, N.D. - State and several problems of the theory of the electronic clouds of molecules. p. 937.

Hofman, K.J., Neville, R.G - Nitrogen-containing fluorides and their organic derivatives. p 984

Ham, Norman, S -Jahn-Teller theorem p 1010.

Vol. 32, no. 9, Sep. 1963.

Table of contents translated·

Eidus, IA.T., Nefedov, B.K - Conversions of olefins in the presence of metal oxides. p. 1025.

Knunlants, I.L., Li Chzhi-tsun' [Li Chih-yüan], Shokina, V.V. - Linear polyfluorinated similar bifunctional compounds as potential monomers. p. 1052.

Nikolaev, A IA. - Chromatography of proteins on cellulose ion exchangers. p. 1067.

Kukharskaia, E.V , Fedoseev, A.D. - Organic derivatives of silicates with laminated structure p. 1113.

Usol'tseva, V.A., Chistiakov, I.G. - Chemical characteristics, structure, and properties of liquid crystals. p 1124.

Chumaevskii, N.A. - Vibrational spectra of compounds containing elements of the carbon subgroup p 1152.

UZBEKSKII KHIMICHESKII ZHURNAL [UZBEK CHEMICAL JOURNAL]. Issued by Akademiia nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.] Tashkent, vol. 7, no. 3, 1963.

Table of contents translated·

Azizov, Kh.T., Nabiev, M.N - Study of ion exchange processes between the KU-2 cation exchanger in H^+-, K^+-, Mg^{2+} ions and solutions of certain electrolytes p. 5.

Nudel'man, B.I., Grakhova, S.K. - Obtaining portland cement clinkers in fused salts at low calcination temperature with a steam afterireatment. p 13

Semasheva, I.N., Soflev, I.S. - Studies of the fusinous components of coal and the nature of so called "sclerotinite." p. 16

Atakuziev, T.A.- Stability of cements in caustic alkalies. p. 22.

Nisarbaeva, K.S., Khodzhaev, G. - Synthesis of prehnitic acid and its derivatives. p. 28.

Ubaev, Kh., IUldashev, P.Kh , IUnusov, S.IU. - Study of alkaloids of Pedicularis olgae RGL. p. 33

Sapozhnikova, E.A , Sultanov, A S. - Preparation of tetrahydroxypyrylium others of polyvinyl alcohol. p. 37.

Aliev, IA.IU , Romanova, I.B., Freidlin, L.Kh. - Catalytic carbonylation of anabasine. p. 43

Tilliaev, K.S., Manulkin, Z.M. - Synthesis of new mixed aliphatic metalloorganic compounds of tin p. 47.

Iskhakov, N.I., and others. - Influence of certain factors on the oleoginousness and fatty acid content of cottonseeds p. 52.

Inolatov, N.Sh., Larin, P.P., Alkhodzhaev, B.I. - Interaction of polyvinyl alcohol with sulfur monochloride. p. 57.

Usmanova, M.I., Usmanov, Kh.U. - Determination of the molecular weight of standard samples of polystyrene by the osmotic method. p. 64.

On A.S. Sultanov's 50th birthday and the 34th anniversary of his scientific and educational activities. p. 70.

* VYSOKOMOLEKULIARNYE SOEDINENIIA [MACROMOLECULAR COMPOUNDS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, vol. 5, no. 6, June 1963.

Table of contents translated:

Kurliankina, V.I., Koz'mina, O.P. - Mechanism of the oxidation of cellulose ethers by oxygen. Part II: Oxidation of ethyl cellulose. p. 765.

Korshak, V.V., Sladkov, A.M., Kudriavtsova, IU.P. - Oxidative dehydropolycondensation of p-diethinylbenzene p. 793.

Iskenderov, M.A., and others. - Heterochain polyesters Part 42: Mixed polyarylates based on isomeric dihydroxynaphthalenes. p. 799

Vansheidl, A.A , Krakoviak, M.G. - Synthesis of aliphatic aromatic polymers with conjugated double bonds by Wittig reaction. p. 805.

Nikolaev, N.I., and others. - Polymerization of isoprene and butadiene under the effect of insoluble organolithium compounds. p. 811.

Goldenberg, A.L. - Infrared spectroscopy study of the chemical changes taking place in polyethylene subjected to flame atomization p. 816.

Fedotova, O.IA , Grozdov, A.G. - Reaction of aromatic diamines with diisocyanates. Part 3: Reaction of diamines with diisocyanates. p. 822.

Nikolaeva, S.S., Falnberg, E.Z., Mikhailov, N.V. - Structural characteristics of polyamides obtained by the interfacial polycondensation method. p. 826.

Slonimskii, G.L., Ershova, V.A. - Effect of phase transitions on the mechanical properties of crystalline polymers. p. 831.

Frenkel', R.Sh., Kuz'minskii, A.S. - Role of zinc oxide in the vulcanization of rubbers by tetramethylthiuram disulfide. p. 834.

Terent'ev, A.P., and others. - Macromolecular compounds derivatives of pyridine. Part I Polyamides based on 2,6-lutidine. p. 837.

Terent'ev, A.P., and others. - Macromolecular compounds derivatives of pyridine. Part 2· Thioamides and polythicamides based on some alkyl pyridines. p. 842.

Kocheshkov, K.A., and others. - Ethylene polymers obtained with the aid of mixtures of organocadmium compounds with titanium tetrachloride. p. 846.

Vinogradov, P.A., Basaeva, N.N. - Polymerization of unsaturated compounds under the effect of lithium diethylamide. p. 850.

Matsoian, S.G., and others. - Cyclic polymerization and copolymerization. Part 13 Cyclic polymerization of N-substituted diallyl amines. p. 854.

Dudina, L.A., Enikolopian, N.S. - Thermal and thermal oxidation degradation of polyformaldehyde. Part I Order of the thermal degradation reaction. p. 861.

Mazel', I.S., Vasil'eva-Sokolova, E.A, - Cleavage of pyridine rings in α and γ -vinylpyridines and in polymers obtained from their monomers. p. 868.

Malat, N.S., Golova, O.P., Nikolaeva, I.I. - Mechanism of cellulose oxidation by atmospheric oxygen in alkaline medium. Chemical composition of the oxidation products. p. 873.

Levites, E.I., Volokhina, A.V., Kudriavtsev, G.I. - Solid phase polycondensation reactions. Part 4 Solid phase copolycondensation of amino acids and diamine salts of dicarboxylic acids. p. 875.

Fedotova, O.IA., Kerber, M.L., Losev, I.P. - Some properties of aromatic and araliphatic polyamides obtained by interfacial polycondensation. Part 5. p. 881.

Pudovik, A.N., Evstaf'ev, G.I. - Synthesis of phosphorus-containing polyesters by the polytransesterification reaction. p. 886.

Tarasova, Z.N., and others. - Effect of thio derivatives of amines and phenols on the course of thermomechanical treatment and on fatigue of vulcanizates. p. 892.

Fedotov, O.IA., and others. - Some properties of unsaturated polyamides. p. 900.

Gol'denberg, A.L., Liubetskii, S.G. - Comparative spectral study of the degree of unsaturation in polyethylene. p. 905.

Zakharov, N.D., and others. - Role of sulfur in the vulcanization of polychloropropene rubbers. p. 910.

Akhmedov, K.S., Shpilevskaia, I.N. - Structural and mechanical properties of concentrated solutions and gels of polyethylene polyvinyl chloride, and perchlorovinyl. p. 914.

Kargin, V.A., Sogolova, T.I., Shaposhnikova, T.K. - Effect of fillers with anisodiametric particles on the properties of polymers. Part 2. p. 921.

Regel', V.R., Chernyl, N.N. - Effect of ultraviolet radiation on the kinetics of creep and deterioration of capron fibers. p. 925.

Shibaev, V.P., and others. - Cross-linking processes in a graft copolymer based on crystallizing polyester. p. 932.

Kuchera, M. - Polymerization of some vinyl monomers initiated by complexes of potassium silanolates with Lewis bases. p. 938.

Milinchuk, V.K., Pshezhetskii, S.IA. - Action of light on free radicals in γ-irradiated polymers. p. 940.

Anatolii Petrovich Aleksandrov; on his sixtieth birthday. p. 947.

Vol. 5, no. 7, July 1963.

Table of contents translated

Leshchenko, S.S., Karpov, V.L., Kargin, V.A. - Electron diffraction study of fluorine-containing polymers. p. 953.

Gatovskaia, T.V., and others. - Sorption of low molecular compounds by polymers at high temperatures. p. 960.

Shostakovskii, M.F., Skvortsova, G.G., Samoilova, M.IA. - Radical copolymerization of vinyl ether of m-aminophenol and methyl methacrylate. p. 966.

Korshak, V.V., Vinogradova, S.V., U Ban-tuan' [Wu Pang-yüan]. - Heterochain polyesters. Part 43: Preparation of phosphorus-containing polyamide esters by interfacial polycondensation. p. 969.

Kazarian, L.G , TSvankin, D IA. - X-ray diffraction study of the degree of orientation. p. 976.

Korshak, V.V., and others - Heterochain polyamides Part 34. Synthesis of polyamides containing active functional groups in macromolecules. p. 979.

Dudina, L.A , Enikolopian, N.S. - Thermal and thermal oxidative degradation of polyformaldehyde. Part 2 Temperature dependence of the thermal decomposition rate. p. 986.

Kiopachev, V.A., Alferova, L.V., Dolgoplosk, B.A. - Polymerization of 3,3'-bis-(chloromethyl) oxacyclobutane in polar solvents. p 994.

TSvetkov, N.S., Glotova, Z F. - Effect of the electrolyte phase composition of electrochemical polymerization p. 997

TSvetkov, N.S., Fagarash, M.B. - Polymerization of styrene induced by polymeric adipinyl peroxide. p. 1002

Freidlin, G.N , and others. - Polymerization of vinyl alkyl esters of dicarboxylic acids p. 1008

Khaidarova, Kh.F , Abduvaliev, A.A., Sultanov, A.S - Chemical structure of polysylvan. p. 1012.

Likhtenshtein, G.I., Urman, IA.G. - Theory of oxidation inhibition. p. 1016.

Bazhenov, N.M., Vol'kenshtein, M.V., Khachaturov, A.S. - Study of polymers by the nuclear magnetic resonance method. Part 4 Stereospecific methyl acrylate and butyl acrylate polymers. p. 1025.

Razuvaev, G.A., and others. - Polymerization of vinyl chloride in the presence of Ziegler-type catalysts p. 1030.

Matsoian, S.G., Voskanian, M.G., Cholakian, A.A. - Cyclic polymerization and copolymerization. Part 14: Cyclic copolymerization of aliphatic divinylacetals with vinyl acetate. p. 1035.

Poddubnyi, I.IA., and others. - Hydrodynamic parameters and molecular weight distributions of divinylstyrene copolymers in an "ideal" solvent. p. 1042.

Poddubnyi, I.IA., Grechanovskii, V.A., Mosovitskii, M.I. - Method for determining the molecular weight distribution of cis-1,4-polybutadienes from sedimentation data in an "ideal" solvent. p. 1049.

Koz'mina, O.P., Kozlov, M.P. - Mechanism of the oxidation of cellulose esters by oxygen. Part 16: Resistance of trityl and benzoyl cellulose to thermal oxidative degradation. p. 1054.

Al'tzitser, V.S., and others - Chemical modification of vulcanizates. Part 2 Reaction of crushed vulcanizates with p-tert-butylphenyl formaldehyde resin. p 1059.

Kitaigorodskii, A I., TSvankin, D.IA., Petrov, IU.M. - Large periods in polyethylene terephthalate films. p. 1062.

Kissin, IU V., Pshenitsyna, G.M. - Infrared spectra of polyamino quinones. p. 1069.

Baranov, V.G., Magarik, S.IA. - Flow birefringence of polystyrene solutions in bromoform. p. 1072.

Nosov, M.P., Berestnev, V A. - Necking down of capron fibers. p. 1080.

Mikhailov, G.P., Krasner, L.V. - Temperature and frequency dependencies of the dielectric losses of styrene methacrylate and styrene-methyl vinyl ketone copolymers. Part 1. p. 1085.

Mikhailov, G.P., Krasner, L.V. - Effective dipole moments of styrene-methacrylate and styrene-methyl vinyl ketone copolymers. Part 2. p. 1091.

Muromova, R.S., Strepikheev, A.A., Rogovin, Z.A. - Polymerization of N-substituted lactams. p. 1096.

Biesler, S.E., and others. - Study of selective solvation by sedimentation in a density gradient. p. 1101.

Moshkina, T.M., Pudovik, A.N. - Polyethylene glycols and their derivatives. p. 1106.

Przygocki, W., Turska, E. - Morphology of polyethylene crystals obtained from dilute solutions. p. 1111.

Kissin, IU.V., and others. - Spectroscopic criterion of the isotacticity of polypropylene. p. 1117.

Vol. 5, no 8, Aug. 1963.

Table of contents translated·

Khomutov, A.M. - Reactivity of vinyl ethers in copolymerization. p. 1121.

Korshak, V.V., and others. - Polycondensation of B-trichloroborazole with bifunctional compounds. p. 1127.

Korshak, V.V., and others. - Heterochain polyamides. Part 35: Change in the rate of interfacial condensation and of fractional composition of polyhexamethyleneadipamide. p. 1130.

Dudina, L.A., Enikolopian, N.S. - Thermal and thermal oxidative degradation of polyformaldehyde. Part 3: Chain transfer reaction in the thermal oxidative degradation. p. 1135.

Polymerization of α-chloroacetylamino acrylic acid (α-chloroacetyldehydroalanine). p. 1140.

Azimov, Z A., Korotkov, A.A., Mitsengendler, S.P. - Kinetics and mechanism of n-butyl methacrylate polymerization under conditions of isotactic polymer formation. p. 1144.

Levin, P.I., and others - Mutual intensification of the effect of antioxidants (synergism). Part 3: Manifestation of synergism in mixtures of alkylated phenol sulfide with certain acid esters. p. 1152.

Berestnev, V.A., Razikov, K.Kh., Kargin, V.A. - Supermolecular structure of capron fibers. p. 1156.

Dubina, L.A., Karmilova, L.V., Enikolopian, N.S. - Thermal and thermal oxidative degradation of polyformaldehyde. Part 4· Kinetics of thermal oxidative degradation. p. 1160.

Pravikova, N.A., Riabova, L.G., Vyrskii, IU.P. - Application of turbidimetric titration for determining the molecular weight distribution of polystyrene and α-methylstyrene. p. 1165.

Zubov, IU A., Markova, G.S , Kargin, V.A. - X-ray diffraction examination of polyethylene, polycaproamide, and polyethylene terephthalate fibers p.1171

Tevlina, A.S , Trostianskaia, E B - Synthesis of soluble polyelectrolytes by sulfonation of polystyrene p.1178

Kogan, E V., and others. - Polymerization of octamethylcyclotetrasiloxane under the effect of acid *catalysts* p.1183

Zakharov, N.D. - Nonsulfur vulcanization of some synthetic rubbers. Part 4 Effect of the nitrile group content on the thermal vulcanization of butadiene nitrile rubbers p 1190.

Arzhakov, S.A., and others. - Certain features of the formation of monolithic solids by the effect of temperature and pressure on polyacrylonitrile powder. p *1196*

Zuev, IU.S., and others. - Rupture life of rubbers in the presence of physically aggressive media p.*1201*.

Sazhin, B.I., Filippovich, D.S. - Electric conductivity of polymers. Part 6 Calculation of specific resistances in the region of dipole-radical polarization. p 1207.

Ioanisiani, P.G., Laskorin, B.N., Alekseeva, N.L. - Anion exchangers based on the copolymers of glycidyl methacrylate and dimethacrylic esters of *ethylene glycol*. p *1213*

Pitsyn, O.B. - Internal rotation in polymer chains and their physical properties. Part 19 Rotational isomerization of polymer molecules during their stretching and method for its study p 1219.

Pshenitsyna, G.M., Shantarovich, P.S - Synthesis of polymers with a system of conjugate bonds and their electric conductivity. p 1228.

Koz'mina, O.P., Khripunov, A.K., Kurliankina, V.I. - Mechanism of cellulose ester oxidation by oxygen. Part 19: Oxidation of acetylcellulose tagged with radioactive carbon in acetyl groups and in pyran ring. p.1232

Askarov, M.A., Trubitsyna, S.N. - Anionic copolymerization of acrylonitrile with vinyl monomers at low temperatures. p.1235.

Trostianskaia, E.B., Tevlina, A.S., Naumova, F.A. - Suspension copolymerization of styrene with divinylbenzene in the presence of telogen. p.1240.

Budina, L.A., and others. - Thermal and thermal oxidative degradation of polyformaldehyde. Part 5' Role of formic acid in thermal oxidative degradation. p.1245.

Sokolov, S.I., Shamraevskaia, T.V., Shchegolevskaia, N.A. - Polymeric materials for the optical polarization method of a stress determination. Part 1: Polymerization products in a ternary system of vinyl monomers and methods for the study of their *thermomechanical properties*. *p.1250*.

Ivanov, V.S., and others. - Studies in radiation polymerization. Part 2: Radiation polymerization of piperylene, p.1255.

TSvetkov, V.N., Boitsova, N.N. - Optical anisotropy of molecules of polystyrene and poly-p-methylstyrene stereoisomers. p.1263.

Lalla, Z , Jelinek, M - Anionic copolymerization of cyclic polysiloxanes, p.1266.

Usmanov, Kh.U., and others. - Radiation polymerization of vinyl fluoride. p.1277.

* ZHURNAL ANALITICHESKOI KHIMII [JOURNAL OF ANALYTICAL CHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 18, no. 6, June 1963.

Table of contents translated:

Bankovskii, IU.A., Chera, L.M., Iovin'sh, A.F. - 8-Mercaptoquinoline (thioxine) and its derivatives. Report No.28 Absorption spectra and the state of *8-mercaptoquinoline in solutions*. *p.668*.

Poliak, E.A. - Certain problems in the theory of titration. Report No.1: Titration curves and the possibility of titrimetric determinations. p.687.

Gur'ev, I.A., Zarinskii, V.A. - High frequency titration. Report No.8: Change of electric characteristics during reactions in nonaqueous media. p.698.

IArym-Agaev, N.L., Rudin, V.IA., TSeitlenok, T.A. - Refractometric determination of the composition of solutions containing potassium chloride and sodium nitrate. p.701.

Serebriakova, G.V., Lukin, A.M., Bozhovol'nov, E.A. - Luminescent properties of azo compounds based on barbituric acid. New reagent for magnesium. p.706.

Afanas'eva, L.I. - Separation of barium from strontium with the aid of complexon 111. Sulfate method for separating alkaline earth elements. p.712.

Zhivopistsev, V.P., Chelnokova, M.N. - Antipyrine dyes as analytical reagents. Report No.2: Photometric methods for the determination of cadmium. p.717.

Korenman, A.I. - Coprecipitation of aluminum with *magnesium hydroxide*. p.721.

Zelianskaia, A.I., Kukalo, L.IA. - Polarographic reduction of gallium in a pyrocatechol solution. p.726.

Ganopol'skii, V.I., Ganopol'skaia, T.A., Barkovskii, F.V. - Spectrophotometric determination of samarium and europium. p.729.

Elinson, S.V., Pobodina, L.I. - New photometric methods for the determination of niobium and tantalum in metals and alloys. Report No.2: Photometric determination of niobium with xylenol orange. p.734.

Goroshchenko, IA.G., and others. - Gravimetric method for the quantitative determination of niobium and tantalum following extraction with cyclohexanone. p.739.

Kovalenko, E.V., Petrashen', V.I. - Nature of diphenylcarbazide reaction for hexavalent chromium. p.743.

Pal'shin, E.S., Minsodeev, B.F. - Separation of protactinium from other elements by extraction with thenoyltrifluoroacetone. p.750.

Koshkin, N.V., Shreiner, N.M. - Use of thiosemicarbazides in analysis. Report No.6 Qualitative and quantitative determination of cobalt by means of 1-phenylthiosemicarbazide. p.757.

Pshenitsyn, N.K., Prokof'eva, I.V., Bukanova, A.E. - Formamidinesulfinic acid in the analytical chemistry of platinum metals. Report No.1 Determination of rhodium. p.761.

Kutiurin, V.M. - Amperometric method for the determination of oxygen in water. p.765.

Altimova, E.K., and others. - Quantitative photometric microdetermination of saturated high molecular weight fatty acids following separation by the chromatographic method. p.769.

Dragavtseva, N.A., and others. - Interaction of elementary selenium, selenides, and selenites of certain metals with sodium amalgam. p.773.

Rogozin, IU.M. - Turbidimetric determination of small amounts of strontium. p.777.

Kabanova, O.I., Danilushchenkova, M.A. - Determination of small amounts of aluminum in metallic silver by means of stilbazo. p.780.

Sheskol'skaia, A.IA. - Rapid gravimetric method for the determination of niobium in the presence of large amounts of molybdenum. p.782.

Gorlushina, V.G. - "Colorimetric (photometric) methods for the determination of nonmetals " by Ed.D.Boltz. p.784.

* ZHURNAL FIZICHESKOI KHIMII [JOURNAL OF PHYSICAL CHEMISTRY]. Published by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 37, no. 8, Aug. 1963.

Table of contents translated

Zabolotnyi, I.I., Frankevich, D.P - Heat effect in the dissolution of zinc in acids. p.1661.

Sul'nikov, A.A. - Effect of viscosity and molar volume on the shape of isotherms of electric conductance in binary systems. p.1665

Smirnov, M.V., Baraboshkin, A.N , Komarov, V.E. - Cathodic processes in the deposition of zirconium from chloride melts. p.1669.

Smirnov, M.V., Baraboshkin, A.N., Komarov, V.E. - Cathodic processes in the deposition of zirconium from mixed chloride-fluoride melts. p.1677.

Kochergin, V.P., Kruglov, A.N. - Kinetics of the electrodeposition of tin by reversed current. p.1682.

Iosel', IU.IA., Shchiglovskii, K.B. - Analysis of multielectrode galvanic systems by means of equivalent electrical circuits. p.1689.

Rokkh, I.L., Beiltskaia, S.G - Atmospheric corrosion of magnesium in the corona discharge. p.1694.

L'vov, A.L., Bystritskaia, N.V. - Passivity of copper in concentrated solutions of alkali. p.1699.

L'vova, L.A., Fortunatov, A.V. - Anodic oxidation of cadmium in concentrated solutions of alkali Part 1. p 1705.

Fortunatov, A.V., L'vova, L.A. - Anodic oxidation of cadmium in concentrated solutions of alkali Part 2. p.1712.

Shashkina, A.V , Kutakova, I.I. - Reduction and electrolytic reduction of organic compounds on the Pd electrode. p.1718.

Kulakova, I.I., Shashkina, A.V. - Effect of functional groups on the electrolytic reduction of unsaturated organic compounds on the Pd electrode. p.1726.

Flerov, V.N. - Mechanism of electrode processes of the copper oxide electrode. p.1733.

Susarev, M.P., Chen' Shu-tszy [Ch'ên Shu-tz'ü] - Calculation of liquid - vapor equilibrium of ternary systems from data for binary systems. The system benzene - n-hexane - cyclohexane. p.1739.

Fialkov, IU.IA. - Calculation of the viscosity isotherms of binary systems with noninteracting components. Part 1. p.1745.

Liu Show-zhun [Li Shou-jung], Zhdanov, S.I - Reduction of anions on the dropping mercury cathode in the presence of small amounts of lanthanum ions. p.1750.

Fialkov, IU.IA. - Effect produced by chemical interaction in binary systems on the viscosity isotherms convex with respect to the composition axis. p.1757.

Susarev, M.P. - Regularities in the fold distribution of the pressure surfaces of ternary liquid - vapor systems and the shifting of folds with change in temperature. p.1763.

Siver, P.IA. - Determination of salting-out constants and activities in ternary solutions from freezing point depression data. p.1769.

Istrikian, A.A., Kiselev, A.V. - Adsorption isotherms of nitrogen, benzene, and n-hexane vapors and the heat of adsorption of benzene and n-hexane on graphitized carbon blacks. Part 3: Thermodynamic characteristic of adsorption equilibria. p.1776.

Dobren'kov, G.A., Bankovskii, R.K. - Additional peak on the oscillographic polnrogram of cadmium in the presence of oxygen and bromate ion. p.1786.

Shtomberg, A.G., Kartushinskaia, A.I. - Polarographic study of the composition of the complexes predominant in solution and present in the electrode reaction in the system titanium (IV) - titanium (III) in sulfuric acid solution. p.1793

Pamfilov, A.V., Dolgaia, O.M - Temperature dependence of the electric conductivity of aqueous solutions of electrolytes and its relation to the structure of water. p 1800.

Flis, I.E., Vorob'ev, I.M. - Kinetic studies of processes taking place on the platinum electrode in hypochlorite solutions. p. 1805

Smagina, E.I., Kutsev, V.S. - Density and degree of disorder in some solid phases of varying composition p. 1813

Rotinian, A.L , Kozhevnikova, N.M - Electrochemistry of niobium. Part 1. Hydrogen overvoltage on niobium. p. 1818

Manzhelei, M.E , Sholin, A.F. - Electrolytic reduction of unsaturated compounds on the platinized platinum cathode Part 2. Electrolytic reduction of allyl alcohol. p. 1825.

Shcherbinin, V.A - Mechanism of the catalytic decomposition of hydrogen peroxide in solution by sodium molybdate together with other salts Part 2 Sodium molybdate + calcium chloride or strontium chloride p 1832

Meiatlin, R.V , Nikurashina, N.I. - Necessary and sufficient sign of the established equilibrium of liquid phases in ternary systems. p. 1841

Shaivker, S.IU. - Certain features of porous nickel oxidation. p.1845.

Zaliflants, IU.A., Kiselev, V.F., Fedorov, G.G - Surface properties of fresh cleavage of graphite Part 2. p 1846.

Demchenko, V.V. - Relation between the activation energy of some electrochemical and catalytic processes and the properties of metals. p 1859.

Shashkov, A.S., Krylova, I.V., Kobozev, N.I. - Study of adsorption catalysis by the method of exoelectronic emission p. 1851.

Emel'ianenko, G.A., Afanasenko, V.I. - Anomalous effect of temperature on the rate of electrodeposition of chromium. p. 1854.

Shul'gin, L.P., Kaz'min, IU.A. - Kinetics of oxidation-reduction reaction. $Eu^{III} - Eu^{II}$ p. 1857

Maksimov, I.N., Ushkevich, V.F. - Electric conductivity of sodium metaborate solutions at high temperatures p. 1859.

Liubitov, IU.N. - Determination of the coefficients of interaction between saturated vapors of a complex composition and the surface of an effusion chamber. p 1864.

Shibanov, A.S. - Rate of the additive coloring of alkali halide crystals in the presence of admixtures p. 1866.

IUsova, IU.I., Alabysheva, A.I' - Vapor pressure over the system $NH_4F.HF$ of various ammonia content. p. 1870.

Sorokin, IU.A., TSivenko, V.I , Pshezhetskii, S.IA. - Formation of hydrazine in the γ-irradiation of liquid ammonia and aqueous solutions of ammonia p 1871

Kogan, L.M., Kol'tsov, N.S., Litvinov, N.D. - Solubility of chlorine and carbon dioxide in hexachlorobutadiene. p. 1875.

Gorbachev, S.V., Shmidt, E.M.Z. - Unusual values of effective activation energy in concentration polarization. p 1877.

Evdokimov, V.B. - Magnetic interaction of supermagnetic particles. Part 1. p. 1880.

Topchieva, K.V., Moskovskaia, I.F., Stetsenko, V.IA - Electric conductivity of synthetic zeolites p. 1883.

Karapet'iants, M.Kh. - Application of a simple interpolation formula for calculating various properties and parameters of processes. p. 1885.

Kudriavtsev, B.B., Nikonov, K.P. - Resonance absorption of ultrasound in an acetic anhydride - ethyl alcohol mixture. p. 1887.

Gonikberg, M.G., and others. - Compressibility of cis- and trans-1, 3-dimethylcyclohexanes. p.1891.

Likhtman, V.I., Troitskii, O.A. - Combined effect of irradiation and of a surface-active medium on the mechanical properties of single metal crystals. p. 1893.

Denisov, E.T. - Formation of free radicals in the reaction of hydroperoxides with ketones. p 1896.

Tupikov, V.I., Pshezhetskii, S.IA. - Formation and reactions of free radicals produced by γ-radiation in solid ammonia and hydrazine. p. 1900

Losev, V.V., Dombrovskii, M.A., Molodov, A.I. - Apparatus for measuring the exchange current and true rate of the anodic process on amalgam electrodes with the aid of radioisotopic tracers. p. 1904

Avgul', V.T., Chmutov, K.V. - Chromatographic collector with capacitance pickup. p. 1907.

Elovich, S.IU., Avgul', V.T., Semenovskaia, T.D. - Device for determining isotherms of sorption from solutions at temperatures above 100°. p. 1909.

Evdokimov, V.B. - Gouy's method and its particular features. Part 3. p. 1910

Kogan, L.M., Kol'tsov, N.S., Litvinov, N.D. - Apparatus for determining the solubilities of chlorine and other gases in liquids. p. 1914.

Liubitov, IU.N. - Method of determining the saturated vapor pressure of low-volatility substances. p. 1917.

Korchinskii, G.A., Andrianov, V.M. - Electrocapillary effect in the electromagnetic field. p. 1920.

B 13d-13e

Tu'tian, IA.I., Vakhushev, IU.A. - Polarographic study of the kinetics of recombination of trimellitic acid anions with hydroxonium ion p 1921.

Kirichevskii, I.R., and others. - On a possible case of critical phenomena. p. 1924

Skripov, V.P., Ermakov, G.V. - Attainable superheating of liquids p 1925.

*ZHURNAL STRUKTURNOI KHIMII [JOURNAL OF STRUCTURAL CHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 4, July-Aug. 1963

Table of contents translated

Structure of water p 499

Buslaeva, M.N., Samoilova, O.IA. - Thermochemical study of the stabilization of the structure of water by molecules of a nonelectrolyte. p 502.

Krestov, G.A., Klopov, V.I. - Thermodynamic characteristics of the change of mobility of water molecules during the hydration of ions. p 507.

Drakin, S.I. - Me - H_2O distances in crystal hydrates and the ionic radii in aqueous solutions. p 511.

Tikhomirov, V.I. - Action of ions on the mutual ordering of water molecules in aqueous solutions. p 521.

Sobolev, E.V., Aleksanian, V.T. - Vibrational spectra of aliphatic conjugated dienes p 527

Melikhova, L.P., Pentin, IU.A., Ul'ianova, O.D. - Spectroscopic study of the rotational isomerism of some halo derivatives of butane p 535.

Kulik, V.F., and others. - Infrared spectra and polar effects in para-substituted benzene containing the groups SCF, $SOCF_3$, SO_2CF_3, and OCF_3. p. 541.

Bystrov, D.S. - Infrared spectra of esters in complexes with electron-acceptor metal halides Part 1 Effect of α-substitution on donor properties of the carbonyl group. p. 548

Pliusnina, I.I., Kharitonov, IU.A. - Crystal chemical properties and infrared absorption spectra of borates and borosilicates. p. 555.

Khlapova, A.N., Kovaleva, E.S - Hexagonal berkite solid solution (γ'-phase) in the system Na_2SO_4 - Na_2CO_3 p. 569.

Atovmian, L.O., Bokii, G.B. - Structure of the crystals $NaNH_4[MoO_3C_2O_4]$. $2H_2O$. p. 576.

Porai-Koshits, M.A. - Structural motifs of crystals of some thiocyanate compounds of bivalent nickel and copper. p. 584.

Pakhomov, V.I - Structure of the crystals C_6H_5HgX. p. 594.

Il'iukhin, V.V., Borisov, S.V. - Quantitative evaluation of the maximums of the two-dimensional Paterson function (method of integral characteristics). p. 602.

Volkov, V.M., Diatkina, M.E. - Locating the best β- and π-orbitals by the method of maximum overlap. p. 610.

Papulov, IU.G. - Relation of properties and reactivity of X-substituted methanes with their structure. p. 617.

Kabanov, V.IA. - Structure of sodium paratungstate. p 622.

Dorfman, IA.G. - So-called quasi-ferromagnetism and the theory of ferrites of a new type. p. 624.

TSukerman, B.I. - Paramagnetic spectrum of trivalent chromium in aluminum nitrate. p. 625.

Kovba, L.M., Vidavskii, L.M., Lavut, E.G. - Study of ϵ-UO_3. p. 627.

Borisov, S.V., Klevtsova, R.F. - Crystal structure of TR-Sr-apatite. p. 629.

Avoian, R.L., Struchkov, IU.T. - Crystal structure of 4-chloro-5-bromoacenaphthene. p. 631

[illegible], A.I., Struchkov, IU.T. - dichloro-11,12-diphenyl-

the conformation of

No 6, 1963

Contents, Vysotskaia, V.A., and others. [Programs on linear algebra] Programmy po lineinoi algebre. 50 p

LIETUVOS MATEMATIKOS RINKINYS LITOVSKII MATEMATICHESKII SBORNIK [LITHUANIAN MATHEMATICAL PAPERS]. Issued by Lietuvos TSR Moksliu akademija and Lietuvos TSR aukstosios mokyklos [Academy of Sciences of the Lithuanian S.S.R. and the Institutions of Higher Learning of the Lithuanian S.S.R.]. Vilnius, vol. 2, no 2, 1963.

MATEMATICHESKII SBORNIK [MATHEMATICAL REVIEW]. Issued by Akademiia nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society]. Moscow, vol. 61(103), no. 4, Aug 1963.

Table of contents translated

Penizovskii, I.S. - Semigroups with given ideal chains. p. 377.

Levin, B.V. - Distribution of "almost primes" in polynomial sequences. p. 389.

Zalesskii, A.E. - Solvable subgroups of a multiplicative group of a locally finite algebra. p. 408.

Barban, M.B. - "Density" of zeros in Dirichlet L-series and the problem of the addition of primes and "almost primes." p. 418.

Udalov, A.S. - Theory of curves in projective n-dimensional space and its application to linear differential equations. p. 426.

Shil'nikov, L.P. - Some cases of the generation of periodic motions from special-type trajectories. p. 443.

Shul'geifer, E.G. - Regular imbedding of categories. p. 467.

MATEMATIKA V SHKOLE [MATHEMATICS IN SCHOOLS]. Issued by Ministerstvo prosveshchenila RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 4, July-Aug. 1963.

Table of contents translated.

A strong factor in the struggle for the victory of communism. p. 1.

Gnedenko, B.V. - The beginnings of numeration. p. 5.

Bolgarskii, B.V. - A theoretical and practical conference at Kazan. p. 11.

Mingazov, E.G. - Planning in classroom teaching. p. 13.

Gusarskaia, G.IU. - How to conduct a class. p. 16

Baranova, A.G., Fedotov, I.K. - Developing creative initiative in students. p. 18.

Mufakharova, D.G. - Developing logical thinking in a mathematics class. p. 21.

Kurashov, I.V. - How to develop activity in students of arithmetic and geometry classes. p. 23.

Minkovskii, V.L. - Bringing out the esthetic aspects of mathematics in class. p. 25.

Zueva, G.IA. - How to develop a profound interest in mathematics. p. 31.

Ashkinuze, V.G. - Studying quadratic equations and inequalities in the ninth grade under the new curriculum. p. 34.

Volkhonskii, A.I. - Use of sequences of right triangles in solving geometric problems. p. 43.

Burenin, N.D. - Use of mechanical models in demonstrating the properties of geometric transformations p. 55.

Erdniev, P.M. - Simultaneous study of some parts of mathematics. p. 61.

Sikerskii, K.P. - Tests. p. 64.

Churnicheva, N.A., Baranova, G.P. - Arithmetic tests for fifth grade students in the first half-year. p. 67.

Petrakov, I.S. - Teaching the ninth grade geometry [illegible] 1963/64 school-year. p. 69.

[illegible]agibin, F.F. - Some methodological [illegible]ementary algebra. p. 73.

[illegible] - Alekseĭ Nikolaevich Krylov; [illegible]versary of his birth. p. 77.

[illegible] Elements of mathematical analysis [illegible]hools of the Democratic Republic [illegible]31.

[illegible] "History of mathematics in [illegible] Kol'man. p. 84.

[illegible]nd others. - Problems. p. 86.

[illegible]ms offered in No. 6, 1962. p. 87.

[illegible]MATIKA I MEKHANIKA [APPLIED [illegible]ND MECHANICS]. Issued by [illegible]eskikh nauk Akademii nauk SSSR [illegible]nces Department of the Academy [illegible].S.S.R.]. Moscow, vol. 27, [illegible]963.

[illegible]ntents translated:

[illegible]. - Establishment of an approxi[illegible]thells with the aid of asymptotic [illegible]uations in the theory of elasticity.

[illegible]elf-oscillations of very dense [illegible] p. 809.

[illegible]/aves caused by an instantaneous [illegible]an elastic medium. p. 818.

[illegible]ptimal control of a power source [illegible]n of a body of variable mass with [illegible] of source sections. p. 829.

[illegible]. Stabilization of motions by addi[illegible]the case of incomplete back cou-

Barbashin, E.A., Tabueva, V.A. - Theory of the stability of the solution to a third-order differential equation with a discontinuous characteristic. p 664

Khairasakhal, V.Kh. - Quasi-periodic solutions to systems of ordinary differential equations. p. 672.

Khas'minskii, R.Z. - Effect of low-intensity noise on the operation of a self-oscillating system. p. 683.

Egorov, A.I. - Optimal control of processes in distributed objects. p. 686

Arkhangel'skii, IU.A. - Algebraic and univalent integrals in the problem of motion of a solid body in a Newtonian force field. p. 697.

Kolesnikov, N.N. - Stability of a freely hung gyrostat p. 699.

Kharlamov, P.V. - Equations describing the motion of a heavy solid body with a fixed point. p 703.

Filippov, I.G. - Theory of linear three-dimensional nonstationary diffraction problems and some nonlinear problems p. 708.

Riabokon', M.P. - Linearized supersonic flows through Laval nozzles. p. 714

Sidorov, A.F. - Motion of a compressible fluid in plane channels with movable walls p. 719.

Cherkesov, L.V. - Development and damping of ship waves. p. 725.

Cherepanov, G.P. - Flow of an ideal fluid with free surfaces in triply connected regions. p. 731.

Epshtein, L.A. - Motion of an inclined plate below a free surface. p. 735

Suchkov, V.A. - Flow into a vacuum along an inclined wall. p. 739

Ufland, IA.S. - Vibrations of elastic bodies of finite conductivity in a transverse magnetic field. p. 740.

Likhoded, A.I. - Steady-state vibrations of a plate supported along the edge. p 745.

Ivanov, G.V. - Variational methods in the theory of creep. p. 750.

Ambartsumian, S.A - Stability of inelastic plates allowing for deformations due to transverse shear p. 753.

Aleksandrov, V.M. - Some contact problems for an elastic layer. p. 758.

REFERATIVNYI ZHURNAL: MATEMATIKA [JOURNAL OF ABSTRACTS: MATHEMATICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 9, Sep. 1963.

SIBIRSKII MATEMATICHESKII ZHURNAL [SIBERIAN MATHEMATICAL JOURNAL]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Branch of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 4, July-Aug. 1963.

Table of contents translated:

Avetisian, A.E. - Integral functions representable by generalized integral transformations. p. 713.

Berkovich, IA.G. - Some criteria of the solvability of finite groups. p. 723.

Bokut', L.A. - Some imbedding theorems for rings and semigroups. p. 729.

Borovskii, IU.E. - Beez's theorem for irregular hypersurfaces. p. 744.

Bukhovets, Zh.E. - Semispecial groups. p. 752.

Gal'pern, S.A. - Cauchy problem for S.L. Sobolev's equation. p. 758

Dzhuraev, T.D. - Some boundary value problems for an equation of the mixed-composite type. p. 775.

Emelichev, V.A. - Algorithmic solvability of certain mass problems in the theory of commutative semigroups. p. 788.

Ivlev, E.T. - Frames of submanifolds in the theory of pairs of complexes in R_3. p. 799.

Latyshev, V.N. - Lie algebras with identical relations. p. 821.

Latyshev, V.N. - Zero divisors and nil-elements in a Lie algebra. p. 830.

Lavrent'ev, M.M. - A class of nonlinear integral equations. p. 837.

Pykhteev, G.N. - Solution of mixed boundary value problems with a shift, and conversion formulae for certain first-order singular integral equations. p. 845.

Romanovskii, I.V. - Duration of a game of survival. p. 862.

Reshetniak, IU.G. - Turn of a curve in a manifold of limited curvature with an isothermal linear element. p. 870.

Saul'ev, V.K. - Use of the method of fictitious regions in solving certain boundary value problems by high-speed computers. p. 912.

Sergienko, V.I. - Saturation of finite groups by solvable nonspecial subgroups. p. 926.

Fishman, K.M. - Systems forming quasi-exponential bases in spaces of analytic functions in circular rings. p. 935.

Shutov, E.G. - Homorphisms of certain semigroups of continuous monotone functions. p. 944.

Demushkin, S.P. - On 2-extensions over a local field. p. 951.

Kagan, A.M. - A class of measures in a space of sequences. p. 956.

UKRAINSKII MATEMATICHESKII ZHURNAL [UKRAINIAN MATHEMATICAL JOURNAL]. Organ of Institut matematiki Akademii nauk URSR [Institute of Mathematics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 15, no. 2, 1963.

Table of contents translated:

Borisenko, A.I., Myshkis, A.D. - Plane flow of an

ideal incompressible liquid past thin profiles with large flexures. p 119.
Burov, V.N. - Approximation with connected sets in linear normed spaces. Part 2 p. 135.
Mar'inovich, F.P. - Some problems bearing on the reliability of stand-by systems. p. 145.
Fil'chakov, P.F. - Use of the trigonometric interpolation method in conformal mapping of given regions p. 159
Shteinberg, A.S. - Effective derivation of the best trigonometric approximations p 173
Berezanskii, IU.M., Roitberg, IA.A. - Smoothness of the resolvent of an elliptic operator up to the boundary of the nuclear region p. 185.
Vladimirov, V.S., Shtinbekov, M. - Construction of holomorphy envelopes for Hartogs regions. p. 189.
Kiselev, P.IA. - Approximation of analytic functions by Faber-Walsh polynomials. p 193
Kolomiiets, V.G - Parametric random effect on linear and nonlinear oscillatory systems. p. 199.
Krasnodembskii, A.M. - Behavior in the large of solutions to high-order differential equations. p. 205
Prikhod'ko, E.M. - Numerical solution of the fundamental biharmonic problem given a large number of network points. p. 214
Skorobogat'ko, V.IA. - Expansion of linear and nonlinear differential operators in real cofactors. Part 1. p. 217.
Faizibaev, E.F. - Nonstationary processes in an essentially nonlinear oscillatory system. p. 223
Fushchich, V.I. - Analytic properties of production amplitudes in a single-particle approximation as a function of two variables. p. 227.

*USPEKHI MATEMATICHESKIKH NAUK [PROGRESS IN THE MATHEMATICAL SCIENCES]. Issued by Akademiia nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society]. Moscow, vol. 18, no. 4(112), July-Aug 1963.

Table of contents translated

TSetlin, M.L. - Finite automata and simulation of simple forms of behavior p 3.
Gel'fand, I.M., Graev, M.I. - Representations of a group of matrices of the second order from a locally compact field, and special functions over locally compact fields p 59
Nirenberg, L. - Some aspects of linear and nonlinear partial differential equations [translated from the English]. p. 101.
Lomadze, G.A., Chogoshvili, G.S. - Arnol'd Zel'manovich Val'fish, obituary p. 119
Davydov, N.A. - Supersummability of a power series by Césaro's methods p 129
Dolzhenko, E.P. - "Erasure" of singularities of analytic functions p 135.
Diagilev, M.M. - Local convergence of base series. p. 143.
Ivanov, L.D. - Denjoy's hypothesis. p 147.
Knlazev, P.N. - Necessary and sufficient conditions for the comparability of operations. p. 151
Lipkina, Z.S. - Free bimodules over a biregular ring p. 155.
Llubich, IU.I. - Operator norms of matrices p. 165.
Mel'nikov, M.S. - Relationship between volume and diameter of sets in n-dimensional Banach space. p 169.
Rukovshchik, I.S. - Theory of convolution type integral equations p. 171.
Salekhov, D.V. - Example of a completely continuous integral operator acting from L_p on L_p and having a positive kernel not belonging to $L_r(r > 1)$ p 179.
Talkov, L.V. - Best linear methods of approximation of functions of classes B^1 and H^1. p. 183
Timofeev, V.N. - Positive quadratic forms representing the same numbers. p 191.
Shastkin, IU.A. - On k-regular imbeddings of graphs into Euclidean spaces p 195
Shevlin, L.N. - Commutative semigroups of finite rank. p 201
Meetings of the Moscow Mathematical Society. p.205.
Summaries of papers accepted by the Moscow Mathematical Society. p. 211
Meetings of the Leningrad Mathematical Society. p. 223.
Markovina, N.I. - Defense of dissertations in the field of mathematics. p. 229.
Kalinina, L.P. - New books on mathematics. p. 233.
Levitan, B.M. - Letter to the editor. p. 239.
Errata. p. 241.

I. PHYSICS

*AKADEMIIA NAUK SSSR. Izvestiia. Seriia fizicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Physical Series]. Moscow, vol. 27, no. 9, Sep. 1963. Materialy IV Vsesoiuznogo soveshchaniia po elektronnoi mikroskopii [Papers delivered at the Fourth All-Union Conference on Electron Microscopy].

Table of contents translated:

Vlazigin, A.A., Vorob'ev, IU.V. - Phase contrast and maximum resolving power of an electron microscope. p. 1122.
Dutova, K.P., Kas'iankov, P.P. - Calculation of electron-optical systems with corrected astigmatism. p. 1127.
Dymnikov, A.D., Fishkova, T.IA., IAvor., S.IA. - System of four quadrupole lenses, analogous to axially symmetric lenses. p. 1131.
Kel'man, V.M., and others - Achromatic quadrupole lenses. p. 1135.
Spivak, G.V., and others - Formation of contrast in mirror type, emission, and scanning electron-optical systems. p. 1139.
Pilankevich, A.N. - Effect of spherical aberration of the objective lens on contrast in images of extended objects. p. 1147
Pilankevich, A.N. - Dependence of contrast in an electron-microscopic image on the accelerating voltage. p. 1149.
Dulov, G.G., Solov'ev, A.M., Toporkov, S.A. - Experimental setup of nonaxisymmetric optics for probing systems. p. 1154.
Dulov, G.G., Solov'ev, A.M. - Selection of optimum operating conditions for electron-optical probing systems. p. 1156.
Solov'ev, A.M., and others - Industrial X-ray spectral microanalyzer MAR-1. p. 1162.
Kushnir, IU.M., and others - Combined scanning electron microscope and X-ray microanalyzer with magnetic electron optics. p. 1166
Sedov, N.N., Spivak, G.V., Diukov, V.G. - Use of an emission electron microscope in studying semiconductors and dielectrics. p. 1173.
Sedov, N.N., Spivak, G.V., Diukov, V.G. - Use of an emission electron microscope in measuring the potential distribution in a p-n junction. p. 1179.
Rozenfel'd, L.B., and others - Reflecting electron microscope adapted for studying various objects during deformation. p. 1184
Spivak, G.V., IUrasova, V.E., Kushnir, F.F. - UIP-4 apparatus for fast etching of metals, semiconductors, and dielectrics by ionic bombardment. p. 1186.
Veitsner, V.N., and others - EM-7 electron microscope. p. 1193.
Kushnir, IU.M., and others - Electron spectrograph for the EG-100A electron diffraction camera. p. 1196.
Spivak, G.V., and others - Observation of the domain structure of triglycine sulfate by means of an electron mirror. p. 1199.
Spivak, G.V., Ivanov, R.D. - Reflecting electron microscope and its use in the quantitative study of semiconductors. p. 1204.
Chentsov, IU.V., Veitsner, V.N. - Television method for increasing brightness and contrast in an electron microscope. p. 1207
Spivak, G.V., and others - Visualization of a magnetic sound-recording field by means of an electron mirror. p. 1210.
Bravinskii, V.G., Reshetnikov, A.M. - Tracing the development of microcracks in ceramics. p. 1219.
Krokhina, A.I., and others - Electron-microscopic study of the structure of ceramic materials revealed by ionic etching. p. 1224.
Veitsner, V.N., and others - Electron-microscopic and electron diffraction studies of photosensitive lead sulfide films obtained by precipitation from solutions. p. 1228.
Zhdanov, G.S., Vorona, IU.M. - Electron-microscopic study of crystalline modifications of copper phthalocyanin. p. 1232.
Kushnir, IU.M., and others - Elastic and inelastic scattering of reflected electrons. p. 1235.
Stolianov, P.A. - Some problems affecting the optics and design of high-resolution electron microscopes. p. 1239.

*AKADEMIIA NAUK SSSR. Izvestiia. Seriia geofizicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geophysical Series]. Moscow, no. 8, Aug. 1963.

Table of contents translated:

Berzon, I.S. - Relation of the amplitudes of transformed transfinite PS reflected waves and PPS head waves. p. 1149.
IAnovskaia, T.B. - Using a hodograph of seismic waves to calculate velocity sections of the upper mantle as an inverse mathematical problem. p. 1171.
Gratsinskii, V.G. - Kinematics of wave fronts in logging with distributing transformers. p. 1178.
Vetarovich, M.P., and others. - Study of the effect of uniaxial compression on the velocity of elastic waves in rock specimens under conditions of high hydrostatic pressure. p. 1193.
Strakhov, V.N. - Reduction of the problem of an analytical continuation to a horizontal layer in solving first-order linear integral equations of the convolution type with rapidly decreasing kernels. p. 1206.
Van'ian, L.L. - Electromagnetic field of a harmonic dipole grounded to a multilayer surface of an anisotropic medium. p. 1222.
Ponomarev, V.N., Glukhikh, I.I. - Determining the iron content in magnetic ores from the amount of their magnetic susceptibility. p. 1225.
Vlasov, A.IA., Zvegintsev, A.G. - Temperature lag of magnetized magnetite. p. 1230.
Khomeniuk, IU.V. - General transient characteristic and its use in solving direct and inverse problems in the method of transitional processes for some bodies in a nonconductive enclosing medium. p. 1234.
Sytinskii, A.D., Chukanin, K.I. - Atmospheric circulation in the northern Atlantic and microseisms in Pulkovo. p. 1238.
Kitaigorodskii, S.A., Strekalov, S.S. - Analysis of the spectra of wind waves. Pt. 2. p. 1240.
Latun, V.S. - Meridional shift below the zero surface. p. 1251.
Vasiukova, N.G. - Turbulence coefficient of the temperature conductivity of the Sea of Japan p. 1259
Skatskii, V.I., Shchetkov, V.V. - Airborne apparatus for integrated measuring of meteorological and dynamic characteristics of the atmosphere including clouds p. 1270.
Vereshchagin, I.I., and others. - Ice-making properties of lead iodide aerosols, obtained by burning up the metal iodide compounds. p. 1278.
Zubkovskii, S.L. - Experimental studies of the spectra of pulsations of the vertical wind velocity component in a free atmosphere. p. 1285.
Slobodov, B.IA. - Analysis of height fluctuations of the tropopause under the action of nonadiabatic factors of variations in the vertical temperature gradients. p. 1289.

AKADEMIIA NAUK SSSR. Fizicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Physics. Transactions]. Moscow, vol. 20, 1963. Issledovaniia poluprovodnikov i dielektrikov [Studies on semiconductors and dielectrics].

Table of contents translated:

Rzhanov, A.V. - Studies on electronic processes on germanium surfaces. p. 3.
Adirovich, E.I., Gubkin, A.N., Kopylovskii, B.D. - New method for determining short lifetimes in p - n-junctions. p. 126.
Sakov, A.A., Sholov, A.P. - Bibliographic index of papers by workers of the Semiconductor Physics Laboratory (FIAN), 1932-1961. p. 172.
List of abbreviations of periodicals cited. p. 191.
Author index. p. 192.

AKADEMIIA NAUK TADZHIKSKOI SSR, Dushanbe. Otdel fiziki i matematiki. Trudy [ACADEMY OF SCIENCES OF THE TAJIK S.S.R. Department of Physics and Mathematics. Transactions]. Dushanbe, vol. 1, 1963.

Contents: Mikhailov, L.G. [New class of singular integral equations and its applications to differential equations with singular coefficients] Novyi klass osobykh integral'nykh uravnenii i ego primeneniia k differentsial'nym uravneniiam s singuliarnymi koeffitsientami. 182 p.

AKADEMIIA NAUK UKRSR, Kiev. Instytut geofizyky. Geofizicheskii sbornik [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Geophysics. Geophysical Papers]. Kiev, no. 4(6), 1963. Kompleksnye geofizicheskie issledovaniia territorii Ukrainy [Comprehensive geophysical studies of the Ukraine].

Table of contents translated:

Subbotin, S.I., Rakhimova, I.Sh. - Physical and geophysical problems in the theory of tectonic movements. p. 3.
Lebedev, T.S., Korniets, D.V. - Optimum values of high pressures and temperatures in studying the physical parameters of matter in the earth's crust. p. 14.
Lebedev, T.S., Sobakar', G.T., Orovetskii, IU.P. - Physical properties, composition, and age of crystalline shales, sandstones, and spilite-type rocks in the northeastern Azov Sea region. p. 19.
Shapoval, V.I. - Physical properties of serpentines from the area of the central Bug Valley. p. 28.
Petkevich, G.I. - Some interrelations between the density, porosity, and elastic properties of rocks from a geological section of the Carpathian Mountain region. p. 33.
Belotserkovets, IU.I. - Density of intrusive rocks in the coal-bearing formation of the Donets Basin. p. 43.
Mikhailova, N.P. - Specific electric resistivity of rocks from the Ukrainian Crystalline Shield. p. 48.
Gerasimov, IU.G., Malchuk, V.K. - Practice of using combination electric profiling in the Khmel'nik area. p. 55.
Supuzhak, IA.S. - Some results of experimental studies of multielectrode apparatus. p. 61.
Dem'ianovskaia, E.I. - Using logging to solve some hydrogeological problems in the Lvov-Volyn' Basin. p. 66.
IUn'kov, A.A. - Interpretation of Δg anomalies above three-dimensional, arbitrarily-shaped bodies. p. 71.
Tiapkin, K.F., Golik, A.I., Kharchenko, S.P. - Interpretation of gravity anomalies under conditions of block structure of the objects being studied. p. 80.
Shevchenko, V.R. - Calculation of velocity discontinuity from hodographs of reflected waves. p. 101.
Manilov, F.I. - Practice of using high-precision magnetic surveying in mapping a zone of alkali metasomatosis. p. 109.
Lebedev, T.S., Korniets, D.V. - Study of the earth's upper mantle in the U.S.S.R. p. 112.

AKADEMIIA NAVUK BSSR, Minsk. Vestsi, Seryia fizika-tekhnichnykh navuk [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Bulletin. Series in the Physical and Technological Sciences]. Minsk, no. 1, 1962.

Table of contents translated:

Erugin, N.P. - Solution to the problems of the existence of limited solutions for systems of linear homogeneous differential equations with periodic coefficients on the basis of integral substitution. Part 2. p. 5.

B 13f Krylov, V.I., Pal'tsev, A.A. - Approximate integration of functions having logarithmic singularities p 13.
Kedi, N.P. - Chebyshev type quadratic forms for periodic functions. p 19.
Pokalo, A.K. - One class of linear summation methods p. 24.
Shmidov, F.I. - One property of a function of a real variable. p 28.
Cherkesov, L.V. - Irregular vibrations of an undamped surface and of the interface between two fluids subjected to dynamic pressure p. 30.
Ivanov, E.A. - Diffraction of a plane wave on two parallel elliptic cylinders p 34.
Stsiapanau, B.I., Chakalinskaia, IU.I. - Optical properties of a layer system with a negative coefficient of absorption p 42.
Platrou, M.S. - Theory of total reflectance of transparent monoaxial crystals. p 49.
Bardyshau, I.I., Cherchas, Kh.A., Melarson, L.A. - Resin acids. p 56
Skryhan, A.I., and others. - Study of sapropels with low ash content from lakes and marshes in the White Russian S.S.R. p 64.
Barashkova, E.H. - Desulfonation of masut sufficient for use in electric power-plants p. 69
Lukashov, K.I., Kuznetsov, U.A. - Action of elementary particles in geochemical processes p. 74.
Makhnach, A.S., and others - Devonian formations of the Strelichevo plateau in the Pripet Depression. p. 84.
Ilyn, IA.A. - Some petrologic characteristics of moraines in the northwest of White Russia p. 95
Batalla, P.D. - Investigation of natural conditions for regulating a river discharge. p 108.
Zialenski, K.V. - Investigation of rectangular prestressed reinforced-concrete beams by the study of their oblique cross sections. p. 118.
Shatima, M.A. - Formation of the cement-clinker structure by acoustic coagulation. p. 127.
Luksha, L.K. - Plastic flow of concrete under a load. p 132.
Zhelezko, B.E. - Cooling of an internal combustion engine. p 136.
Brief news. p 141.

* FIZIKA TVERDOGO TELA [SOLID STATE PHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, vol. 5, no. 7, July 1963.

Table of contents translated

Mirtskhulava, I.A., Chikvani, R.I., Shkol'nik, A.L. - Determining the parameters of local levels in CdS single crystals from stimulated infrared impurity photoconductivity. p. 1769.
Levaniuk, A.P. - Theory of second-order phase transitions p 1778.
Bazhulin, P.A., Miasnikova, T.P., Rakov, A.V. - Studying the vibration spectra of certain ferroelectrics by the Raman spectrum method. p. 1783
Zaslavskaia, I.G. - Energy spectra of weakly coupled excitons. p. 1791.
Kurdiani, N.I. - Optical constants of indium antimonide in the visible and near ultraviolet regions of the spectrum. p 1797.
Milisek, A.I - Effect of thermal expansion on the temperature dependence of the magnetic crystallographic anisotropy constants of ferromagnetics. p. 1800.
Trofimenko, A.P., Fedorus, G.A., Sheinkman, M.K - Dependence of thermally stimulated conductivity on the conditions of illumination of CdS single crystals treated in sulfur vapors. p. 1805.
Bulshvili, L.L., Giorgadze, N.P. - Nuclear magnetic resonance in ferromagnetics. p. 1814.
Boltsov, V.G. - Determination of force constants and calculation of the vibration spectrum of tellurium. p. 1822
Tkachev, V.D., Plotnikov, A.F., Vavilov, V.S. - Photoconductivity spectra of n-type silicon irradiated by fast electrons p. 1826.
Polovikov, F.I. - Effect of infrared radiation on the electret state in naphthalene. p. 1830.
Vitovskii, N.A., and others. - Defects in germanium caused by γ-rays. p. 1833.
Konopleva, R.F., Novikov, S.R., Ryvkin, S.M. - Energy levels in germanium due to fast neutron bombardment. p. 1842.
Bonch-Bruevich, V.L. - Theory of heavily alloyed semiconductors. p. 1852.
Nran'ian, A.A. - Third-order elastic constants of CsCl type crystals p 1865.
Efimov, O.N., Elistratov, A.M. - Effect of impurities on the anomalous transmission of X rays in germanium. p. 1869.
Pokrovskii, IA.E., Svistunova, K.I. - Some characteristics of the radiative capture of electrons by indium and gallium atoms in silicon. p. 1880.
Ovchinnikov, I.V. - Effect of the type of covalent bond on the spin-lattice relaxation of an octahedral complex with one magnetic electron. p. 1887.
Sandomirskii, V.B., Kogan, Sh.M. - Electroacoustic effects in piezoelectric semiconductors. p. 1894.
Geguzin, IA.E., Rabets, V.L., Chernyshov, A.A. - Creep of NaCl and KCl single crystals in the region of premelting temperatures and small specific loads. p. 1900.
Golikova, O.A., Orlov, A.G. - Hole mobility in germanium alloyed with aluminum and indium. p. 1908.
Novikova, S.I., Abrikosov, N.Kh. - Thermal expansion of lead chalcogenides. p. 1913.
Mikhailov, G.P., Lobanov, A.M. - Molecular relaxation in polymers far above vitrification temperature p. 1917
Kalashnikov, N.P. - Bremsstrahlung of ultrarelativistic electrons in crystals. p 1924.
Potapov, L.P. - Relation between heat capacity and the thermal factor of X-ray scattering. p 1927
Glinchuk, K.D., Denisova, A.D., Litovchenko, N.M. - Current carrier recombination on zinc atoms in p-type silicon. p 1933
Vinokurov, V.M., and others. - Electron paramagnetic resonance of Eu^{2+} ions in BaF_2 and SrF_2 single crystals p. 1936.
Fridel', I., Kholuianov, G.F. - Electron emission from p-n junctions in SiC produced by nitrogen diffusion. p. 1940.
Zavt, G.S - Distortion of zone vibrations of crystals due to defects p 1946.
Smirnov, I.A., Moizhes, B.IA - Change in the heat conductivity of cubic crystals due to deformation p 1953.
Kosevich, A.M., Pastur, L.A - Relation between the dislocation theory of twins and Lifshits' macroscopic theory. p 1970.
Kas'ian, V.A. - Photoconductivity of thin films of indium antimonide p. 1979
Raichenko, A.I. - Ion displacement in heteropolar crystals due to natural oscillations p. 1982.
Men Sian'-chzhen' [Mêng Hsien-cheng]. - Width of the resonance curve of an anisotropic ferromagnetic. p 1988
Vilesov, F.I., Zagrubskii, A.A., Garbuzov, D.Z. - Extrinsic photoeffect from the surfaces of organic semiconductors. p 2000.
Andrievskii, A.I., Mocharniuk, G.F., Pidoria, M.M. - Thermal etching of copper oxide single crystals under vacuum. p. 2007
Lundin, A.G., Gabuda, S.P. - Temperature dependence of the electric field gradient in the ferroelectric $NaNO_2$. p. 2009.
Bogomolov, V.N - Anisotropy of oxygen and boron diffusion in rutile. p 2021
Klevtsov, P.V., Zamozhskii, V.D. - Hydrothermal etching figures on garnet-structured ferrite crystals. p 2012.
Danilov, A.V., Mosli, M.E. - Effect of copper and silver on the photoelectric properties of vitreous As_2Se_3. p. 7015.
Peka, G.P - Effect of molecule adsorption on the luminescence, electric conductivity, and luminescence field effect in Cu_2O p. 2017
Gurevich, A.G., Solov'ev, V.I. - Fine structure of the angular dependence of the resonance curve width in yttrium garnet with terbium admixture p. 2019.
Kurdiani, N.I - Infrared transmission in neutron-irradiated indium antimonide. p 2022.
Berkovskii, F.M., Ryvkin, S.M. - Current induced impurity photo-e.m.f p. 2023.
Belozerova, E.P - Effect of plastic deformation, caused by high-frequency vibrations, on internal friction and Young's modulus in alkali metal halide crystals. p. 2025
Bogomolov, V.N., Shavkunov, P.M. - Anisotropy of current carrier drift mobility in partially reduced rutile. p. 2027.
Lange, V.N., Lange, T.I - Results of studying the microhardness anisotropy of indium antimonide using the scratch method. p. 2029
Gorlunova, N.A., Kesamanly, F.P., Osmanov, E.O. - Production and some properties of single-crystal $CdGeAs_2$ specimens. p. 2031.
Deviatkova, E.D., Smirnov, I.A. - Heat conductivity of plastically deformed NaCl single crystals. p. 2032.
Vinokurov, V.M., and others. - Paramagnetic resonance of Nb^{4+} ions in zircon single crystals. p. 2034.
Korovin, L.I., Kharitonov, E.V - Interzonal Faraday effect in germanium in a high magnetic field. p. 2035.

Vol. 5, no. 8, Aug. 1963.

Table of contents translated

Mokhnatkin, M.P. - "Linear" phase transitions in solids viewed in relation to P.S. Ehrenfest's equations. p. 2049.
Sverguneenko, L.A. - Effect of ordering processes on internal friction in Fe_3Al type alloys. p. 2052.
Drokin, A.I., Smolin, R.P., Riabinkina, L.I. - Temperature dependence of the intensity of magnetization during heating or cooling of lithium ferrite-chromite in weak magnetic fields. p. 2059.
Dorin, V.A., Patrakova, A.IA. - Electric characteristics of the contact TiO_{2-x} - Ag divided by an isolating layer. p. 2065.
Gurgenishvili, G.E. - Combined resonance in deformed p-Ge. p. 2070.
Konovalenko, B.M., Ryvkin, S.M., IAroshetskii, I.D. - Radiation defects in germanium caused by fast 28 Mev. electrons. p. 2075.
Alieva, M.Kh., Akhundov, G.A. - Photoconductivity kinetics of p-TlSe. p. 2087.
Khotodenko, L.P. - Macroscopic theory of $BaTiO_3$ type ferroelectric crystals shaped as thick plates. p. 2090.
Mil'vitskii, M.G - Disorientation and some other defects in silicon single crystals grown by Czochralsky's method. p 2102
Kuznetsova, T.I., Rautian, S.G - Instability of the generation of monochromatic radiation by optical masers using solid bodies p 2105.
Efimov, O.N., Elistratov, A.M. - Effect of dislocations occurring in the decomposition of supersaturated solid solutions of nickel in germanium and copper in germanium on anomalous X-ray transmission. p. 2116
Kartagin, S.V - Shape of Mossbauer spectrum lines related to the spread of local ∇E values. p 2178
Iakovlev, V.A. - Absorption of light by free carriers in semiconductors with short-range fields of impurity centers. p 2193.
Novikova, S.I., Abrikosov, N.Kh. - Thermal expansion of AlSb, GaSb, ZnTe, and HgTe at low temperatures. p. 2138
Chervonko, E. - Green's thermodynamic functions of an isotropic antiferromagnetic with arbitrary spin p. 2141.
Kukushkin, L.S. - Theory of optical transitions in local centers. p. 2170
Khachaturian, A.G - Use of the method of Green's function in the analysis of magnetic lattices. p. 2178.
Gromov, A.E., Slutsker, A.I - Use of the X-ray diffraction method in determining the degree of orientation of crystallites in polymers. p. 2185.
Konol', E.N., Tolpygo, K.B. - Dynamics of ZnS type crystal lattices with fractional variable ion charges p 2193.
Sugakov, V.I - Exciton wave function and energy in a finite crystal p 2207.
Fiks, V.B - Momentum transfer to an impurity center in a lattice by a scattered electron. p. 2214
Geguzin, IA.G., Daluba, A.S., Kosevich, A.M. - Closing of an isolated pore in a crystalline body by hydrostatic stress p 2219.
Blank, IU.S., Vodakov, IU.A., Mostovskii, A.A. - Some results of studying electroluminescence in p-n junctions of silicon carbide p. 2220.
Dmitrieva, L.V., Moskalev, V.V. - Calculating the second moment of the nuclear magnetic resonance line in isotropic molecular rotation p. 2230
Kornfel'd, M.I., Sochava, L.S. - Complexes of impurity ions in strontium chloride crystals p. 2232
Bir, G.L. - Intensity of allowed and forbidden lines of electron paramagnetic resonance. p. 2236.
Nikol'skii, V.G., Tichin, V.A., Buben, N.IA - Electron stabilization of low-temperature radiolysis of organic substances. p 2243.
Butlagin, P.IU., Kolbanev, I.V., Radtsig, V.A. - Electron paramagnetic resonance spectra of free radicals in solid polymer degradation products. p. 2257.
Krasnopevtsev, V.V. - Dielectric properties of KBr single crystals irradiated by fast electrons. p. 2261.
Bernshtein, V.A., Glikman, L.A - Time dependence of the strength of heterogeneous materials. p. 2270.
Bernshtein, V.A, Glikman, L.A. - Mechanism of the delayed destruction of polyester vitreoplastics p. 2278.
Vlatskin, A.IA., Pilankevich, A.N. - Some energy characteristics of the passage of electrons through solids p. 2285.
Naumovets, A.G. - Desorption of potassium from tungsten in an electric field p 2294.
Kask, N.E., and others. - Electron paramagnetic resonance and spin-lattice relaxation of a Ni^{3+} impurity ion in a $CaWO_4$ single crystal. p. 2303.
Kask, N.E., and others. - Spin-lattice relaxation of a Ti^{3+} ion in corundum. p. 2306.
Boltaks, B.I., Shishlianu, F.S. - Diffusion and solubility of silver in gallium arsenide. p 2310.
Mikhailova, M.P., Nasledov, D.N., Slobodchikov, S.V. - Temperature dependence of current-carriers lifetime in indium arsenide. p. 2317.
Bolarskaia, IU.S., Val'kovskaia, M.I. - Studying the anisotropy of the mechanical properties of NaCl single crystals by observation of the dislocation distribution along the (111) face. p. 2324.
Dakhovskii, I.V. - Anisotropic electron scattering in Ge and Si. p. 2332.
Kashcheev, V.N. - Theory of infrared light absorption in crystals. Four-phonon interaction. p 2330.
Evseev, Z.IA. - Wave function and energy of NaCl crystals with excess (hard) electrons. p. 2345.
Leushin, A.M. - Splitting of the ground states of Mn^{2+} and Fe^{3+} ions in low-symmetry crystal fields. p. 2352.
Murzin, V.N., Demeshina, A.I. - Temperature study of the infrared reflection spectra of $BaTiO_3$ and $SrTiO_3$ in the 2 - 1000 μ region. p. 2359.
Sheka, E.F. - Some quantitative regularities of the Rashba effect in impurity crystals. p. 2361.
Kessel', A.R., Ovchinnikov, I.V. - Effect of electric dipole induction in electron resonance. p. 2364.
Chechurin, S.N. - Effect of a strong electric field on the absorption of superhigh-frequency radiation in photosensitive lead sulfide films. p. 2365.
Kristofel', N.N. - Calculating the lattice distortion around an impurity in an ionic crystal. p. 2367.
Danilychev, V.A., Ospov, B.D. - Mechanism underlying the effect of microwaves on the electroconductivity of n-InSb at low temperatures. p. 2369.

Belen, V.M., and others - Influence of the intrinsic photoeffect on the damping of elastic waves in Ge. p. 2371.

Belen, V.M., Vekilov, Yu.Kh. - Influence of the intrinsic photoeffect on the microhardness of Ge and Si. p. 2372.

Zhuravlev, V.K. - Dielectric constant and loss in oxalates at low frequencies. p. 2374.

Bulanitsa, D.S. - Characteristics of the Zeeman and Stark effects on a Mott exciton. p. 2376.

Chkhartishvili, Yu.V. - Spin-resonance on F_2-centers in alkali halide crystals. p. 2378.

Nagaev, E.L. - Two conduction mechanisms in the theory of semiconductors of low mobility. p. 2380.

Mashkova, E.S., Molchanov, V.A. - Value of the effective collision radius in experiments on the sputtering and ion-electron emission of single crystals. p. 2383.

Basov, N.G., Krokhin, O.N. - Conversion of intensive monochromatic radiation into electric current. p. 2384.

*KRISTALLOGRAFIIA [CRYSTALLOGRAPHY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, no 4, July-Aug 1963.

Table of contents translated:

Chernov, A.A. - Use of the method of characteristics in the theory of crystal shapes. p. 499.

Shibaeva, R.P., Simonov, V.I., Belov, N.V. - Crystalline structure of the Ca, Na, Zr, Ti-silicate rosenbuschite $Ca_{3,5}Na_{2,5}Zr(Ti, Mn, Nb)[Si_2O_7]_2F_2O(F, O)$. p. 506.

Rumanova, I.M., Ashirov, A. - Determining the crystalline structure of inderite. p. 517.

Zagal'skaia, Yu.G., Belov, N.V. - Crystalline structure of zunyite $Al_{13}(OH)_{18}Si_5O_{20}Cl = [Al_{12}(OH)_{18}\cdot SiO_4]\cdot[Al(SiO_4)_4]Cl$. p. 533.

Udalova, V.V., Pinsker, Z.G. - Electron diffraction examination of the structure of ammonium sulfate. p. 536.

Troitskaia, N.V., Pinsker, Z.G. - Electron diffraction examination of the superlattice compound molybdenum nitride. p. 548.

Dvorankina, G.G., Pinsker, Z.G. - Study of the phase structure of the system Ni - Te in thin films and the β-phase of NiTe. p. 556.

Tishchenko, G.N., Zykalova, K.A. - Two crystalline modifications of guanidine C hydrochloride. p. 560.

Chistiakov, I.G., Vainshtein, B.K. - Structure of α-benzolazo-(anisal-α-naphthylamine) in a vitrified liquid crystalline state. p. 570.

Andreeva, N.S., Millionova, M.I. - Structure of polymers related to collagen, structure of the low-molecular fraction of polytripeptide (glycine-l-proline-l-hydroxyproline). p. 578.

Chetkina, L.A., Gol'der, G.A. - Crystalline structure of 1,5-dihoxlanthraquinone. p. 582.

Belov, N.V. - New stock of silicon oxide and close radicals infinite in one dimension. p. 587.

Kripinkevich, P.I., and others. - Some regularities of the crystallochemistry of intermetallic compounds of rare earth metals. p. 595.

Katsnel'son, A.A., Iatskul'iak, K. - X-ray diffraction study of solid solutions of Al, Co, Cr, Se in La and Pr orthoferrites. p. 600.

Zakharova, M.I., Mogucheva, I.B. - Eutectoid transformation in copper - lead and copper - beryllium alloys. p. 604.

Reginskaia, Iu.E., and others. - X-ray diffraction examination and study of the magnetic and electric properties of the system $BiFeO_3$ and $LaFeO_3$. p. 610.

Shuvalov, L.A. - Crystallophysical classification of ferroelectric substances, ferroelectric phase transitions, and characteristics of the domain structure and certain physical properties of ferroelectric substances of various classes. p. 617.

Urusovskaia, A.A., Thagaradzhan, R., Klassen-Nekludova, M.V. - Dislocation structure of PbS crystals in the region of concentrated loading. p. 625.

Startsev, V.I., and others. - Interaction of dislocations in twin crystals. p. 632.

Nadgornyi, E.M., Stepanov, A.V. - Artificial shift formation and the dislocation structure of sodium chloride crystals. p. 641.

Miuskov, V.F., Lang, A.R. - Topographic X-ray diffraction study of MgO crystals. p. 652.

Rovinskii, B.M., Kostiukova, E.P., Liuttsau, V.G. - Substructure and distribution of dislocations in single-crystal and polycrystalline aluminum. p. 657.

Zevin, L.S., Umanskii, M.M., Khelker, D.M. - Geometrical aberrations and optimum conditions for X-ray diffraction measurements of polycrystals. p. 663.

Pobedimskaia, E.A., Belov, N.V. - A useful theorem in structure (or lattice) crystallography. p. 674.

Kuz'minov, Iu.S., Belov, N.V. - Amplitude of coherent scattering of neutrons by gallium nuclei. p. 675.

Semenov, E.I., Dusmatov, V.D., Samsonova, N.S. - Yttrium-beryllium minerals of the datolite group. p. 677.

Toshev, S.D. - Use of the "dew" method in observations of the domain structure of potassium dihydrophosphate crystals. p. 680.

Stepanova, V.M. - Use of the method of filming the etching process in studying the behavior of dislocations in NaCl crystals. p. 682.

Andriashin, V.K., and others. - Growth of thin germanium films on germanium seed crystals using the "closed tube" method. p. 684.

Shafranovskii, I.I. - New course in crystal morphology. p. 687.

MOSCOW. TSENTRAL'NYI INSTITUT PROGNOZOV. Trudy [CENTRAL WEATHER INSTITUTE. Transactions], No 122, 1963. Voprosy sinopticheskoi meteorologii [Synoptic meteorology].

Table of contents translated

Pogosian, Kh.P., Pavlovskaia A.A. - Making AT300 prognostic charts using diurnal hodohypses. p. 3

Koviza, A.N. - Typification of synoptic processes in fogs and low clouds in the Baltic Sea Region. p. 21.

Olintseva-Nebrat, G.G. - Interseasonal displacement and evolution of a subtropical jet stream. p. 42.

Zamorskii, A.D. - Physical nature of twilight colors. p. 56.

Letnikov, G.V. - Seasonal variations of the nature of jet streams. p. 69.

No. 123, 1963. Sinoptiko-statisticheskie metody prognozov pogody [Synoptic and statistical methods for weather forecasting].

Table of contents translated:

Bagrov, N.A. - Index of the analogy of vector fields. p. 4.

Morskoi, G.I., Rudenko, I.T. - Practical harmonic analysis on a sphere. p. 18.

Dutiseva, M.A., Pod', D.A. - Cold and heat waves in the European U.S.S.R. p. 34

Kalmykova, N.M. - Temperature anomaly of the winters in the region of the formation of the Siberian anticyclone in connection with the intensity of its development. p. 63

Zverev, N.I., Purganskaia, I.P. - Practical methods of the expansion of the field of meteorological elements in respect to Chebyshev polynomials p. 78.

No. 131, 1963. Voprosy agrometeorologii [Problems in agrometeorology].

Table of contents translated

Chirkov, Iu.I., Belukhina, G.V. - Calculating the moisture supply of corn fields in various climatic zones of the U.S.S.R. p. 3.

Ulanova, E.S., TSao In [Tsao In]. - Effect of meteorological factors on the optimum moisture supply of corn fields in the Ukraine. p. 13.

Belukhina, G.V. - Evaporation and temperature conditions of the air in corn fields. p. 30.

Konstorshchikov, A.S., Eremina, K.A. - Retention of precipitation by spring wheat plants during vegetation. p. 42.

Ulanova, E.S., Rymar, A.L. - Relations of optimum moisture supply in different soil layers in winter wheat fields during the fall. p. 53.

Razumov, L.A. - Changes in the agrometeorological conditions under the effect of shelterbelts. p. 64.

Ponomarev, B.P. - Effect of the agrometeorological conditions on the weight of 1000 winter wheat and rye kernels in the southern half of the European part of the U.S.S.R. p. 101.

Mamchenko, E.K. - Linear growth of winter rye during the heading-flowering period in the middle and lower Volga Valley and the agrometeorological conditions of this period. p. 122.

TSuberbiller, E.A. - Using data on the dynamics of the increase of the mass of growing plants for evaluating the agrometeorological conditions of the formation of the winter rye crop. p. 130.

Ventskevich, G.Z. - Results of the experiment in mechanized working up of materials on the agroclimatic basis for the optimal harvesting time for potatoes in the Moscow region. p. 140.

*PRIBORY I TEKHNIKA EKSPERIMENTA [INSTRUMENTS AND EXPERIMENTAL TECHNIQUES]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, no [illegible] 1963.

Table of contents t

Kesanfomaliti, L.V. - Photon amplification control circ

Kapchinskii, I.M., Plotnikov rupole lenses for a linear tubes. Part 1: Required choice of pole tip shapes.

Danil'tsev, E.N., Plotnikov, rupole lenses for a linear tubes. Part 2: Measurin of lenses with plane-tippe

Khirnyi, Iu.M., Kochemaso a model for an ion rechar tor. p. 25.

Val'dner, O.A., Glazkov, A A 5 Mev. linear electron p. 29.

Likhtenbaum, L.L., Moiseev Self-reading channel in a uring coordinates in traci

Moiseev, B.N., Liudevich, V Servomechanism in an ap coordinates in track phot

Mitrofanov, K.P., Illarionov Selective-efficiency counl loss gamma rays. p. 49.

Bobrov, V.D., and others. ronkov counter in separat meson beams. p. 55.

Moskalev, S.S., Adamchuk, I Multiwire neutron detecto preamplifier. p. 58.

Volkov, N.G., Liapidevskii, V Width of tracks in convec

Aleksandrov, Iu.A., Volonov, G.S., Delone, N.B. - Measuring the rate of growth of bubbles in a propane chamber. p. 62.

Aleksandrov, Iu.A., Delone, N.B. - Measuring the radiosensitivity zone boundary for propane. p. 64.

Sokolov, M.P. - Automatic device for measuring the radioactivity of a whic. p. 66.

Ekatov, A.B., and others. - Multidimensional analyzer. p. 72.

Sanin, A.A., Mineev, Iu.V. - Electronic circuit for the separation of signals differing in type. p. 79.

Dem'ianovskii, O.B., Leikin, E.M., IAblonin, K.I. - Stable one-tube integrator for nuclear radiation monitors. p. 82.

Ostroumov, G.A., Shteinberg, A.A. - Method for measuring pulse voltages. p. 85.

Verkhovtsev, V.S., and others. - Measuring d-c amplifier. p. 89.

Kolotov, O.S. - Measuring the input conductivity of tubes operating in a pulsed system. p. 93.

Muskhelishvili, G.N., Bakhtadze, Z.L. - A large time-interval oscillator and high-accuracy timer. p. 97.

Bezrukov, O.F., Neronov, Iu.I. - Pulse generator for spin echo observation. p. 100.

IAkushin, V.V. - A 10^{-14} a current integrator based on a C-95 static voltmeter. p. 104.

Subbota-Mel'nik, P.A. - Tau-meter. p. 106.

Eremin, B.G., Mochenev, S.B. - Power measurements at superhigh frequencies by means of a sounding electron beam. p. 108.

Pedanov, V.V., Sinel'nikov-Murylev, G.A. - Measuring the energy of a powerful electric discharge. p. 113.

Tantsyrev, G.D., Karpov, G.V., Tal'roze, V.L. - Analytic mass-spectrometer with a modulated molecular beam. p. 118.

Mamyrin, B.A., Shustrov, B.N. - Measuring the mass spectra of residual gases with a mass spectrometer of high resolving power and sensitivity. p. 122.

Kuz'min, A.A. - A laboratory superhigh vacuum apparatus with directly heated solid-phase titanium vaporizers. p. 126.

Lavrov, O.V., Fedorov, N.D., Khaldin, N.N. - High-speed vacuum valve. p. 131.

Apter, B.I. - Cathorometric leak detector. p. 133.

Andreev, A.M., Bolotov, A.A., Lukashev, A.A. - Synchronizing and velocity control circuits for mirror-scanning motion-picture cameras. p. 136.

Sal'kov, E.A. - Apparatus for studying the kinetics of photoconductivity by the method of additional π-pulses. p. 140.

Azatian, A.A., Badalian, G.V., Eritsian, G.N. - Generation of constant magnetic fields of a given form. p. 142.

Rode, V.B., and others. - Generation of high magnetic fields of long duration. p. 146.

Bil'dukevich, A.L. - The KGU-MP230 permanent magnet for laboratory studies. p. 148.

Paritskii, L.G. - Differential method for studying relaxation processes. p. 150.

Gorovets, V.S. - Measuring the coefficient of secondary emission from dielectries. p. 153.

Goganov, D.A., Porai-Koshits, E.A., Sokolov, Iu.G. - Small-angle chamber with proportional X-ray counter. p. 155.

Lifshits, L.D., Martynov, E.D. - Laboratory apparatus for compressing liquids at pressures up to 20 kat. p. 161.

Borovik, E.S., Mikhailov, I.F., Kosik, N.A. - Hydrogen liquefiers with high-efficiency heat exchangers. p. 165.

Gindin, I.A., and others. - Apparatus for studying the creep of metals at low temperatures. p. 169.

Garber, R.I., and others. - Apparatus for studying the damping of low-frequency torsional oscillation p. 172.

Kulimov, A.P., Grac'

B 13(Shebalin, I.IU. - Evaporability of liquid hydrogen kept in SD-10G vessels. p. 201.
Rozenberg, IA.I., Kasatkin, V.G. - Transistorized device for measuring the level of liquid helium p. 203.
Kalhkina, I.N. - Temperature dependence of carbon resistance thermometers p. 204
Shal'nikov, A.I. - Appliance for localized refrigeration p 205
Apparatus for measuring pulse pressures p 207
Apparatus for measuring the thermoelectric parameters of semiconducting materials p 208.

REFERATIVNYI ZHURNAL: FIZIKA [JOURNAL OF ABSTRACTS PHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no. 9, Sep. 1963.

REFERATIVNYI ZHURNAL. GEOFIZIKA [JOURNAL OF ABSTRACTS, GEOPHYSICS] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no. 10, Oct. 1963.

*REFERATIVNYI ZHURNAL: MEKHANIKA [JOURNAL OF ABSTRACTS: MECHANICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, Oct. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, fizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Physics]. Moscow, no. 4, 1963

Table of contents translated

IAkovlev, B.M., IAtis, A.A. - Studying the background and energy spectrum of neutrons from a betatron with the aid of nuclear emulsions. p. 3.
Kakushadze, T.I - High-frequency magnetic field of the lattice and its effect on the properties of solid bodies. Part 2 p. 10.
Grigor'eva, A.G., Cheinigovskaia, V.N., Izergin, A.P - Refinement of gallium arsenide by the zone dissolution method. p. 16.
Kol'chuzhkin, A.M., Kotesnikov, N.N - Phenomenological analysis of the binding energy of hypernuclei. p. 19.
Lomsadze, IU.M., Krivskii, I.IU., Khimich, I.V. - General principles of developing a theory of the quantized field of the probability amplitude. p. 26
Smolin, R.P., and others. - Temperature hysteresis of the magnetic permeability of magnesium-manganese and nickel-zinc ferrites. p. 34
Snegirev, B.N. - Calculation of intensities and depolarization in the Raman spectrum of paraxylene. p. 40
Shytov, IU.G. - Two-metric formalism in the general theory of relativity and the principles of conservation. p. 48.
Ponomarev, O.A. - Applicability of the method of molecular orbits of free electrons in calculating molecules p. 56
Detinko, V.N. - Electromechanical parametric system of a nondegenerate pattern. p. 62.
Kononkov, B.F., Sapozhnikov, A.B. - Eddy currents in a thin-walled nonmagnetic rectangular tube moving relative to the inner magnetic poles. p. 70.
Katiatskii, I.I., Kassirov, G.M. - Breakdown of a high vacuum by short voltage pulses. p. 78.
Kamenetskii, V.D. - Study on the quantum theory of collisions. Part 1. p. 82.
Kamenetskii, V.D. - Study on the quantum theory of collisions. Part 2. p. 86.
Fiveiskii, IU.D. - Deceleration of medium-energy protons in matter. p. 93.
Khodakov, A.L., Turik, A.V. - Brightness control of electroluminophors by means of ferroelectrics. p. 100.
Geguzin, IA.G., Rabets, V.L. - Study on crystal ceramics. Part 3. p. 106.
Lomsadze, IU.M., Krivskii, I.IU., Khimich, I.V. - Physical nature of the theory of the quantized field of the probability amplitude. p. 113.
Vorob'ev, A.I. - Physical processes occurring in the magnetization of elongated specimens by a moving constant magnetic field. p. 120.
Izvozchikov, V.A., Kosman, M.S. - Photoelectric and optical properties of lead oxide. p. 128.
Zil'berman, G.E. - Meaning of the mean $\langle a^+_q a_q \rangle$ p. 136.
Toptygin, I.N - Kinetic equation for multiple scattering of Dirac particles. p. 142.
Basova, K.T. - Thermomagnetic effects in GaSb. p. 149.
Gushchin, M.N. - Further on the effect of the base thickness modulation in alloyed semiconductor triodes. p. 157.
Maldanovskii, A.S. - Calculation of currents in an alloyed semiconductor triode. p. 161.
Savitskii, K.V., Kogan, IU.I., Kudrina, M.P. - Thermal softening of "white films." p. 166.
Rigina, I.V., Godnev, I.N. - Law of the exclusion of redundant coordinates in the problem of molecular vibration involving generalized forces. p. 171.
Riaboshenko, S.F. - Effect of annealing on the dielectric loss in NaCl - Cu crystals. p. 176.

*RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, radiofizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Physics]. Moscow, vol. 6, no. 3, 1963.

Table of contents translated

Kislikov, A.G., Salomonovich, A.E. - Radio emission from the equatorial region of the moon in the 4-mm. band. p. 431.
Baiklav, A. - Investigation of the space frequency spectrum of high-resolution radio interferometers allowing for the two-dimensionality of the directional diagram. p. 437.
Barsukov, K.A., Suchkin, G.L. - Radiation line width in the complex Doppler effect. p. 449.
Arsenin, V.V. - Absorption of an electromagnetic wave incident on a half-space filled with a plasma. p. 457.
Stepanov, N.S. - Parametric amplification of transverse electromagnetic waves in a plasma with periodically varying electron concentration. p. 461.
Sitenko, A.G., Kirochkin, IU.A. - Scattering of electromagnetic waves by fluctuations in a plasma in the presence of a magnetic field. p. 469.
Aleksin, V.F., Stepanov, K.N. - Space correlation of random electromagnetic fields in a plasma. Part 2. p. 480.
Denisov, N.G., Tatarskii, V.I. - Average diffraction pattern in the focal plane of a lens. p. 488.
Malakhov, A.N. - Amplitude and phase fluctuations in a self-oscillator. p. 495.
Malakhov, A.N. - Synchronization of an oscillator by random quasi-monochromatic signals. p. 501.
Krupnov, A.F., Skvortsov, V.A. - A maser operating on a beam of formaldehyde molecules in the 4-mm. band. p. 513.
Nasonov, V.S. - Efficiency of optical pumping in vaporized sodium. p. 518.
Nasonov, V.S. - Distribution of the sodium atom population of sublevels of the ground state under the effect of optical pumping. p. 529.
Freidman, G.I. - Dependence of the structure of electromagnetic shock waves in two-wire transmission lines on the dispersion characteristics of the system in the linear approximation. p. 536
Beliantsev, A.M., Bogatyrev, IU.K., Solov'eva, L.I. - Formation of electromagnetic shock waves in transmission lines with unsaturated ferrite. p. 551.
Beliantsev, A.M., Bogatyrev, IU.K., Solov'eva, L.I. - Stationary electromagnetic shock waves in transmission lines with unsaturated ferrite. p. 561.
Sedykh, V.M., IAtsuk, L.P. - Parameters of an H-shaped wave guide with dielectric filling. p. 572.
Kuz'min, N.A., Makarov, T.V. - Propagation of a quasi-H_{01} wave in an H-shaped wave guide. p. 581.
Chaplin, A.F. - Excitation of an impedance strip on an infinite screen. p. 585.
Vasil'ev, E.N. - Excitation of a finite cylinder by a Hertz dipole. p. 591.
Lisitskaia, I.N., Sinitskii, L.A. - Oscillators with negative resistance in the case of piecewise linear approximation of the characteristics of the nonlinear element. p. 608.
Filippov, L.I. - Processing of cosmic radar signals by digital computers using the frequency filtration and storage method. p. 616.
Telesnin, V.R. - Propagation of excitation in a one-dimensional excitable tissue. p. 624.
Lastochkin, V.P., and others. - Precise measurements of radio emission intensity from the discrete sources Cassiopeia-A, Cygnus-A, and Taurus-A in the decimeter wave band. p. 629.
Lastochkin, V.P., Plankin, E.S., Stankevich, K.S. - Precise measurement of radio emission from the discrete source Cassiopeia-A at λ - 3.2 cm. p. 631.
Troitskii, V.S. - Physical constitution of lunar seas and continents. p. 631.
Krotikov, V.D., Troitskii, V.S. - Heat flow from the moon's interior. p. 633.
Zheleznlakov, V.V., Zlotnik, E.IA. - Role of an electrostatic field in the propagation of electromagnetic waves in a plasma. p. 634.
Ariskin, V.I. - Expression for the interference modulation factor for elliptical sources. p. 637.
Silin, V.P. - Slowly decaying oscillations of an inhomogeneous plasma. p. 640.
TSytovich, V.N. - Acceleration of charged particles by plasma waves. p. 641.
Markov, A.A. - Codes permitting the correction of errors. p. 644.
Letter to the editor. p. 646.
Summaries of papers published in the journal "Geomagnetizm i aeronomiya" v. 3 No. 1, 1963. p. 647.

*USPEKHI FIZICHESKIKH NAUK [PROGRESS IN THE PHYSICAL SCIENCES]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 80, no. 2, June 1963.

Table of contents translated:

In memory of Niels Bohr. p. 189.
Tamm, I.E. - Niels Bohr, eminent physicist of the 20th century. p. 191.
Feinberg, E.L. - The life and work of Niels Bohr. p. 197.
Ginzburg, V.L. - In memory of Niels Bohr. p. 207.
Bohr, Niels. - Reminiscences of the founder of nuclear science E. Rutherford and of some developments based on his work [translated from the English]. p. 215
Lebedenko, M. - Niels Bohr on scientific cooperation with Soviet scientists. p. 251
Shpol'skii, E.V - Recent data on the nature of the quasi-line spectra of organic compounds. p. 255
Dalon, M.I., Leksin, G.A. - Spark counters of charged particles p. 281.
Brester, M.S., and others. - All-Union Conference on low temperature physics. p. 331.
Vreden-Kobetskaia, T.O. - New books on physics. p. 339

Vol. 80, no. 3, July 1963.

Table of contents translated:

Polubarinova-Kochina, P.IA - In memory of A.A. Fridman, on the 75th anniversary of his birth p. 345.
Fok, V.A. - A.A. Fridman's works on Einstein's theory of gravitation. p. 353.
Zel'dovich, IA.B. - A.A. Fridman's theory of the expanding universe. p. 357.
Lifshits, E.M., Khalatnikov, I.M. - Problems in relativistic cosmology p. 391.
Fridman, A.A. - The curvature of space. p. 439
Fridman, A.A. - Possibility of a universe with a constant negative curvature of space. p. 447.
Einstein, A. - Remark on A. Fridman's paper "On the curvature of space." p. 453.
On A. Fridman's paper "On the curvature of space." p. 453.
Gilman, J.J. - Mechanical behavior of ionic crystals [translated from the English]. p. 455.
Ziman, J.M. - Electrons in metals a short guide to the Fermi surface. Part 4: The properties of real metals [translated from the English]. p. 505.
Shpol'skii, E - "From radioactive thorium to the fission of uranium" [in German] by Otto Hahn p. 521.

Vol. 80, no. 4, Aug. 1963.

Table of contents translated:

Soloukhin, R.I. - Detonation waves in gases. p. 525.
Perlin, IU.E. - Modern methods in the theory of multiphonon processes. p. 553.
Grechishkin, V.S., Ainbinder, N.E. - Nuclear spin resonance. p. 597.
Long, D. - Energy bands in semiconductors. p. 639
Ziman, J.M. - Electrons in metals: a short guide to the Fermi surface. Part 5. Structure of a Fermi surface [Translated from the English]. p. 665.
Gurinovich, G.P., Zhevandrov, N.D., Solov'ev, K.N. - Eleventh Conference on Luminescence. p. 685.
Vavilov, V.S. - Bentsion Moiseevich Vul; on his 60th birthday. p. 703.
Petrzhak, K.A., Polikanov, S.M. - Georgii Nikolaevich Flerov; on his 50th birthday. p. 707.
Radovskii, M.I. - "M.V. Lomonosov and the educational work of the Petersburg Academy of Sciences" by E.S. Kuliabko. p. 709.

*ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI [JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 45, no. 2(8), Aug. 1963.

Table of contents translated:

Kogan, A.V., and others. - Measurement of the nuclear specific heat of iridium and rhenium in an iron alloy. p. 1.
D'iachenko, P.P., and others. - Kinetic energy of fragments produced in the symmetrical fission of U^{235}. p. 8.
Nichiporuk, B., Strugal'skii, Z.S. - Fluctuations of electron-photon showers in xenon. p. 13.
Merzon, G.I., Kotenko, L.P. - Inelastic interaction of 2.66 Bev. π-mesons with carbon nucleons and nuclei. p. 18.
Belov, K.P., Nikitin, S.A., Ped'ko, A.V. - Shift of the ferromagnetism - antiferromagnetism transition point in dysprosium under hydrostatic stress. p. 26.
Chasnikov, I.IA., and others. - Identification of particles by the photographic emulsion technique. p. 29.
Ishkhanov, B.S., and others. - Cross section of the Rh^{103} (γ, p) reaction. p. 38.
Vol'kenshtein, N.V., Kachinskii, V.N., Starosilna, L.S. - Fermi surface of tungsten. p. 43.
Borovik, E.S., Volotskaia, V.G., Fogel', N.IA. - Deviations from Kohler's rule in pure aluminum. p. 46.
Volotskaia, V.G. - Galvanomagnetic properties of indium in high effective fields. p. 49.
Levina, S.S., Novogrudskii, V.N., Fakidov, I.G - Odd component of the galvanomagnetic effect in the ferrimagnetic compound $MnSe_2$. p. 52.
Makarov, M.M. - Angular dependences in multicharged particle production by 75 — 350 Mev. protons. p. 56.
Borovik-Romanov, A.S., Kreines, N.M., Prozorova, L.A. - Antiferromagnetic resonance in $MnCO_3$. p. 64.
Gaidukov, IU.P., Itskevich, E.S. - Effect of pressure on the Fermi surface of zinc and cadmium. p. 71.
Kalachev, B.V. - Pulse discharge in a fast air flow. p. 83.

Beliakov, V.A., and others. - Production of $\bar{\Lambda}$-hyperons by 7-8 Bev. negative π-mesons on hydrogen p.88

Beliakov, V.A., and others. - Polarization of Λ hyperons produced in π-C-interactions at 7 Bev p 90

Urbanec, J. - Radiative capture of resonance neutrons by Pa^{141} nuclei. p 93

Gilgor'ev, V N. - Surface tension in deuterium. p.98.

Klopnov, A F., Skvortsov, V.A. - Beam-type 4-millimeter maser on the transition line $10_1 - 9_{09}$ in the CH_2O molecule. p.101

Nemilov, IU A , Pobedonostsev, L.A. - Polarization of elastically scattered 6.5 Mev. deuterons. p.103.

Mattkhiz, Z., Neudachin, V.G., Smirnov, IU.F. - Use of the directed orbital method in determining the relative position of nucleon associations in the nucleus. p.107.

Borgardt, A.A. - Relativistically invariant transformations in wave function space. p.116.

Borgardt, A.A. - Transverse and longitudinal states of boson fields and dibaric particles. p 123

Stel'tsov, V.N. - Applicability of the doublet symmetry hypothesis at high energies p.126.

Mattkhiz, Z., Neudachin, V.G. - Some methods in nuclear theory applied to molecular encounters. p 131.

Kirzhnits, D.A. - Theory of nonlocally interacting fields. Part 2 The dynamic apparatus of the theory. p.143.

Smirnov, B.M. - Collisions of slow heavy atoms. p.155.

Poliak, IU.IA., Eleonskii, V.M - Effect of collisions on the excitation spectrum of a system of electrons p.159.

Liul'ka, V.A. - Lepton decay of hypernuclei. p.164.

Simonian, Kh.A., Orlov, IU.F. - Anomalous resonance spin inversion of a particle in a magnetic field. p.173

Ornevskii, A.N. - Negative temperatures arising in chemical reactions. p.177.

Shevchenko, V.G., IUdin, N.P., IUr'ev, B.A - Quadrupole resonance of atomic nuclei. p 180.

Mukhtarov, Ch.K. - Molecular gyromagnetism. p.185.

TSukerman, I.S. - Interference phenomena in radiative $K^0_{2\pi}$-decay. p 188.

Denkov, IU.N. - Charge exchange in the case of small resonance defects. p.195.

Nguen Van Khieu. - Meson production in neutrino experiments and the isotopic structure of weak interaction. p.202.

Iogansen, L.V. - Possibility of resonance penetration of electrons through barrier systems in crystals. p.207.

Komarov, V.V., Popova, A.M. - Use of the diagram summation method in studying the reaction of deuteron disintegration by nucleons. p.214.

Vlasov, N.A. - Spatial correlation of nucleons in light nuclei. p.228.

Gurevich, L.E., Ipatova, I.P. - Temperature dependence of the line width of resonance absorption by the lattice in ionic crystals. p.231.

Oglevetskii, V I., Polubarinov, I.V. - Interacting fields with definite spins. p.237.

Arutiunian, V.M., Gol'dman, I.I., Nagorskii, G A. - Regge poles for scattering on the δ-potential p.246.

Vladimirov, IU.S. - Gravitational transmutations of fermions. p.251.

Veklenko, B.A., Starostin, A.N. - Optimal system of basis functions in the theory of collisions between electrons and atoms. p.263.

Dovzhenko, O.I., Pomanskii, A.A. - Cascade units and critical energies for various substances. p.268.

Konstantinov, O.V., Perel', V.I. - Coherence of states in modulated light scattering. p.279.

Gorshkov, V.G., Rekalo, M.P., Frolov, G.V. - Fermion Regge poles and the Compton effect. p.285.

Calculating the intensity of Vavilov-Cherenkov radiation with allowance for dispersion. p.291.

Isaev, P.S., Lend'el, V.I., Meshcheriakov, V.A. - Partial πN-scattering waves with allowance for $\pi\pi$-interaction. p.294.

Barsukov, K.A., Bolotovskii, B.M. - Emission of fast particles in a nonstationary inhomogeneous medium. p.303.

Empirical behavior of (n,p) reaction cross sections involving 14-15 Mev. neutrons. p.305.

Arutunian, F.R., Gol'dman, I.I., Tumanian, V.A. - Polarization phenomena due to the Compton effect on a moving electron and the production of beams of polarized gamma quanta. p.312.

Malyshev, A.V. - Statistical theory of the density of nuclear levels. p.310.

Kalashnikov, N.P., Riazanov, M.I. - Ionization losses in an inhomogeneous medium. p.325.

Riazanov, M.I. - Photon emission by a fast particle interacting with elementary excitations in matter. p.333.

Akhiezer, A.I., Bar'iakhtar, V.G., Peletminskii, S.V. - Coherent amplification of spin waves. p.337.

Goldraikh, P., Morrison, F. - Gamma-ray absorption in intergalactic space. p.344.

Goshkenbein, B.V., Ioffe, B.L. - Trajectory of a Regge vacuum pole. p.346.

Shaviov, V G., Turov, E.A - Galvanomagnetic effects in ferromagnetics near the compensation point p 349.

Ginzburg, V.L., Syrovatskii, S.I. - Gamma rays and magnetic bremsstrahlung X rays of galactic and metagalactic origin p.353.

Keldysh, L V. - Low-lying levels in semiconductors. p.364

Klepikov, N.P. - Phase shifts of Coulomb pp-scattering. p.376.

Lang, I G., Firsov, IU.A - Mobility of small-radius polarons at low temperatures. p.378

Barashenkov, V.S , and others. - Pulsed spectrum of baryons in inelastic collisions of fast pions with nucleons. p 381.

Mikhailov, V D - Reaction on opposite electron beams. p 383.

Korepanov, V D., Chernitsyn, A.I., Dautov, R.A - , Spin echo in a local field. p.385.

Matinian, S.G. - The η^0-meson and the mass difference between K_1^0 and K_2^0-mesons. p.386

Alekseevskii, N.E., Egorov, V.S - Galvanomagnetic properties of beryllium. p.386.

Lazarev, B.G., Semenenko, E.E., Sudovtsov, A.I. - Critical magnetic fields of superconducting beryllium films. p.391.

Ainutdinov, M.S., and others. - Elastic scattering of 3.5 Bev./c. π^--mesons by protons p.392.

Gilgorov, N.L., and others. - Search for antimatter in cosmic rays. p 394.

Neganov, B.S., and others. - Dynamic polarization of protons at 0.5°K. p.394.

Azbel', M.IA. - Production of low temperatures by using the De Haas - Van Alfven effect. p.395.

14. MEDICINE

a. GENERAL

KARDIOLOGIIA [CARDIOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.3, no.3, May-June 1963.

Table of contents translated

Gerasimova, E.N. - Adrenal glands and hypertension. p.3.

Tupikova, T.M. - Induction of experimental hypertension by restriction of the cerebral blood supply in rabbits, preliminary report. p.14.

Fogel'son, L.I. - Hypertrophy of the left ventricle in hypertension, its diagnosis and significance in determining the stage of the disease. p.22.

Kipshidze, N.N , and others. - Changes in the duration of individual phases of mechanical systole of the left ventricle and pulse wave spread rate in arteries of elastic and muscular type in hypertension. p.27.

Nikitin, V.P. - Process of myocardial repolarization in hypertension p.33.

Ioffe, L.A. - Changes in the dynamocardiogram in hypertension. p 39.

Kasatkina, L.V. - Effect of histamine on the development of experimental atherosclerosis. p.45.

Sinitsyna, T.A., Loviagina, T.N. - Possibility of reproducing experimental atherosclerosis in rabbits by coconut oil administration. p.50.

Lavina, M.V., Lobova, N.M. - Study of the lipolytic activity of the blood plasma in patients with atherosclerosis. p.53.

Melik-Babakhanov, G.V. - Correlation between protein and lipoprotein fraction changes in hypertension and atherosclerosis and factors of hypertension and hypercholesteremia; problem of the unity of pathogenesis of hypertension and atherosclerosis. p.58.

Gol'dberg, G.A. - Influence of occupational physical strain and other factors on the blood cholesterol and lipoprotein levels. p.62.

Ignat'ov, M.V. - Effect of ascorbic acid on the blood plasma tolerance to heparin in patients with vascular atherosclerosis. p.68.

Ostrovskaia, V.I. - Clinical importance of analyzing the duration of the systolic phases in patients with circulatory insufficiency under the influence of acute strophanthin loads. p.70.

Chernetskii, K.V. - Electrokymogram of the cardiac ventricles. p.73.

Minkin, R.B. - Frequency and localization of heart murmur heard during the phonocardiographic examination of healthy persons. p.78.

Grozdov, S.P. - Mechanism of some varieties of experimental Wolff-Parkinson-White syndrome. p.81.

Gol'tsman, A.V. - Index of the discordance of the electrocardiogram and its diagnostic significance. p.87.

Moiseev, S.G. - Review of the collection of articles "Some contemporary graphical methods of the examination of the cardiovascular system", problems of cardiology." p.89.

Gotikov, A.P., Mikushkin, M.K. - First (constituent) All-Union Conference of Cardiologists. p.91.

(DNLM)

KAZANSKII MEDITSINSKII ZHURNAL [KAZAN MEDICAL JOURNAL]. Organ of Ministerstvo zdravookhraneniia Tatarskoi ASSR and Sovet nauchnykh meditsinskikh obshchestv [Ministry of Health of the Tatar A.S.S.R. and the Council of Medical Societies]. Kazan, no.3, May-June 1963

Table of contents translated

Malanskaia, K.A. - Rigid antral gastritis as a precancerous state of the stomach p.3

Radbil', O.S., Ablova, A.I. - Peptic ulcer of the stomach and duodenum and some chronic lung disease; a contribution to the problem p.7.

Fishzon-Ryss, IU I. - Use of spasmolytin in the compound treatment of peptic ulcer and chronic gastritis p 12.

Kolomina, S.I. - Some current problems in the diagnosis and surgical treatment of multiple ulcers of the stomach and duodenum. p.15.

Nurmukhamedov, R.M. - Peptic ulcer of the stomach and duodenum in childhood and adolescence. p 17.

Sigal, M Z. - Transillumination examination of the stomach wall in laparotomy p.18.

Pomosov, D.V., Korostovtsev, S.B - Motor function of a segment of the large intestine used for stomach replacement. p.21

Likhtsier, I.B. - Problems in the prevention of chronic hepatitis and cirrhosis of the liver in the light of regional pathological data p.23.

Borevskaia, B.D. - Results of clinical analysis and prevention of combined diseases of bile ducts and the liver. p.25.

Kravchenko, P.V., Volkov, V E. - Surgical technique in acute pancreatitis and cholecystopancreatitis p 28.

Birg, N.A. - Pancreatic function in lambliasis. p.31

Postolov, M.P. - Splenomanometry and splenoportography as a method of diagnosis of portal hypertension. p.32.

Agafonov, A.A. - Indications for emergency splenectomy. p 35

Zaitsev, G.P., Buniatian, A.A. - Surgical treatment in acute and chronic paraproctitis. p 37.

Dumakin, A.V - Compound therapy of chronic postdysentery colitis with the "regenerator" preparation and dried coli bacteria. p.40.

Dubovskii, V G - Treatment of typhoid fever with antibiotics using a differentiated method. p.43.

Ostroumov, A.B - Dynamics of protein fractions, lipo- and glycoproteins in the blood serum in various forms of acute appendicitis. p.45.

Kochnev, O.S. - Mechanism of the action of novocaine block of the splanchnic nerves on the motor activity of the small intestine in experimental peritonitis. p.47.

Clinical variations of hemorrhagic vasculitis. p.50.

Nikolneva, M.V. - Role of autoallergens in the pathogenesis of various diseases in childhood. p 52.

Starkova, N.T. - Pathogenesis and diagnosis of viralism. p.53.

Kononova, E.S. - Transplantation of fetal membranes in some disorders of the menstrual function. p 58.

Serzhenko, M.S. - Venous pressure and its significance in the diagnosis and prevention of pathology in pregnancy p.60.

Stepov, M I. - Ectopic pregnancy according to data of the gynecological department of the Second Kazan Municipal Hospital. p.61.

Golubova, E.V., Savel'eva, M.V - Analysis of fetus-destroying operations based on data of the obstetrical hospital of the Novo-Kuznetsk State Institute for the Specialization and Advanced Training of Physicians. p.63.

Danilov, I.V. - Compound treatment of far-advanced cancer of the ovaries with this-TEPA. p.64.

Rodkina, R.A. - Compound treatment of malignant tumors of the ovaries with this-TEPA p.66.

Kamalova, S.I., Khamidullin, Z.G. - Argyria as a result of the treatment of stomach ulcers with silver nitrate. p.68.

Perevodchikova, L.N. - Use of gangleron in the compound treatment of peptic ulcer. p.69.

Levin, IU.V. - Immediate and late results of surgical treatment in chronic ulcers of the cardia. p.72.

Akhunzianov, Kh.Z. - Resection of the stomach in peptic ulcer with hemorrhage. p.73.

Maslov, I.P. - Intraintestinal feeding and asphyxiation of digestive juices following stomach resection. p.74.

Furman, IU.O. - Remote results of suturing perforated ulcers of the stomach and duodenum. p.76.

Gurevich, P.S., Genkin, M.L., Zamskov, N.K. - Eosinophilic granuloma of the stomach. p.77.

Perel'shtein, S.B. - Chronic nonspecific ulcerative pancolitis complicated by polyposis. p.79.

Dashevskaia, R.Sh., Salamatina, V.V. - Leukemoid reaction following splenectomy in Werlhof's disease. p.80.

Krivitskii, IA.E., Zavershenskaia, L I. - Formation of an artificial vagina from amniotic membranes. p.81.

Mazchenko, N.S. - Diagnosis of gastroduodenal hemorrhages. p.82.

Vinogradov, A.S., Avanesova, V.IA. - Primary cancer of the gallbladder. p.83.

Mavzlutov, L.Kh. - End-to-end suture and canalization of the common bile duct following its total intersection. p.84.

Polumordvinova, E.D., Sedlovets, M.P., Guseva, T.M. - Clinical evaluation of the determination of ether-soluble bilirubin for differential diagnosis in jaundices of various etiology p. 85

Muraguv, D.S. - Intestinal obstructions according to the data of the Mari Republic Hospital for 5 years p. 86.

Akhmerov, U.Sh. - Time factor in a solitary nerve impulse. p. 87

Zaripov, Z.A. - Splenectomy under conditions of a district hospital. p. 88.

Petrov, A.G. - Modification of Professor Golovin's operations in chronic dacryocystitis p. 88

Fedorova, N.V. - Our experience in dacryocystorhinostomy using Professor V.N. Arkhangel'skii's method. p. 89

Solomin, A.N. - Penetrating knife wound of the skull and brain p. 90

Bolotovskii, I.S. - Injury of the brain during a boxing match. p. 90.

Ratnov, A.N., Smirnov, A.N. - Comatose form of acute hemorrhagic meningo-encephalitis with a favorable result. p. 91

Shvartseva, A.I., Gimadeeva, N.N. - Itsenko-Cushing's disease in a 2-years and 8-months-old child p. 92.

Dombinskii, A.IA. - Two cases of uterus rupture. p. 92.

Galeeva, M.G. - Successful treatment of mercuric chloride poisoning without using antidotes. p. 93.

Kamchatnov, V.P., IAkhin, F.A. - Danini-Aschner reflex in persons working in absolute darkness. p. 94

Talantov, V.V. - Current viewpoints on the value of the indices of acid formation and secretory function of the stomach in peptic ulcer p. 95.

Mukhamedova, G.M., Gabitova, R.F. - Clinical aspects and therapy of chronic poisoning with sour crude oil products. p. 99.

Khaimovich, M.L. - Initial manifestations of chronic manganese poisoning. p. 102

Kirasil'nikov, P.E. - A report on the work of the Alekseyevskoye District Hospital in the Tatar A.S.S.R. p. 104.

Berezovskii, B.S. - Review of the book "Radiation hygiene." p. 106

Aito, A.D., Reznik, A.E. - Review of K.V. Bunin's book "Immunity and rational antibiotic immunotherapy in typhoid fever and dysentery." p. 111.

Landyshev, I.V. - First All-Union Conference on Problems of Medical Geography p. 112.

Kuznetsova, M., Gorkhov, N. - Problems of work hygiene and prevention of occupational diseases at the All-Union Conference of Industrial Hygiene and Sanitary Control Physicians. p. 115.

Pomosov, D.V., Timofeev, N.S. - Symposium on the topic "Jejunogastroplasty in gastrectomy and resection of the stomach." p. 117.

Tolpegina, T.B. - Problems of clinical allergology at the Quedlinburg conference p. 118

In memoriam N.A. Nemekhilova. p. 119

*MEDITSINSKAIA RADIOLOGIIA [MEDICAL RADIOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 7, no. 11, Nov, 1962. (DNLM)

Table of contents translated:

I131 treatment of thyrotoxicoses. p. 3

Tolstonkchova, L.I., Bykhovskaia, A.M. - I131 treatment of postoperative recurrences of thyrotoxicosis. p. 5.

Neoperent, M.I., Spasivtseva, V.G. - Motor function of the gastrointestinal tract in patients with thyrotoxicosis before and following I131 treatment. p. 9.

Modestov, V.K., Kliachko, V.R., Mukhodzhaev, A.Kh. - Examination of the thyroid gland by the scanning technique. p. 17.

Fronkot', V.Kh. - Organization of work and norms of radiation exposure for personnel engaged in the diagnosis and treatment of thyroid gland diseases with radioactive iodine. p. 23.

Borisov, V.P. - Emergency aid in poisoning with radioactive iodine. p. 27.

Kozlova, A.V., TSybul'skii, I.B., Sarkisian, IU.Kh. - Centering and selecting the irradiation fields in the therapy of bladder tumors using a large focus skin distance. p. 32.

Mirimova, T.D., Andreeva, T.S. - Radiation injury of cranial bones and the brain in a child following roentgen therapy in adenocarcinoma of the parotid glands. p. 36.

Karlbskaia, E.V., Mateiskaia, T.E. - Changes in the peripheral blood during radiotherapy. p. 39.

Efimova, A.S. - Early changes in the chronaxy of the skin and visual analyzers following a single local roentgen irradiation. p. 45.

Kolpakov, V.A. - Evaluation of the fluorescence microscopy picture of the blood and bone marrow following roentgen irradiation. p. 50.

Kozinets, G.I., Osechenskaia, G.V. - Inclusion of C14 labeled glycine in the hematopoietic cells of patients with leukemia. p. 53.

Berkutov, A.N., and others. - Substitution therapy at the peak of acute radiation sickness. p. 59.

Revis, V.A. - Treatment of acute radiation sickness by homotransplantation of fresh and preserved spleen. p. 65.

Shramenko, A.I. - Device for determining the length of the vaginal portion of the cervix uteri. p. 74.

Liass, F.M., Desiatnikov, V.M. - Modernization of the device for opening the metal container used for the transportation of radioactive isotopes in a "controlled" package. p. 75.

Dobrova, S.M., Berezhnov, I.P. - Contemporary state of radioisotope diagnosis of eye tumors. p. 77.

Voitiuk, V.M. - Some characteristics of the mechanism of leucopenia in acute radiation shock p. 82

Shubina, A.V. - Effect of some pharmacopeial preparations on radiation sickness in an experiment p. 83.

Pertsov, L.A. - "Distribution, biological effect and migration of radioactive isotopes" p. 86.

Lindenbraten, L.D. - The 21st Congress of Radiologists of the Polish People's Republic. p. 89

Popov, O.V. - Scientific conference dedicated to the problem of recovery from radiation lesions p. 92.

*MEDITSINSKII REFERATIVNYI ZHURNAL [MEDICAL ABSTRACTS] Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.] Moscow, Razdel [Section] 1, vol. 7, no. 10, Oct. 1963 Razdel [Section] 3, vol. 7, no. 10, Oct. 1963, Razdel [Section] 4, vol. 7, nos. 9, 10, Aug. Oct. 1963, Razdel [Section] 5, vol. 7, nos. 8-9, Aug.-Sep. 1963, Razdel [Section] 6, vol. 7, no. 9, Sep 1963 Razdel [Section] 7, vol. 7, no. 10, Oct. 1963. Razdel [Section] 9, vol 7, nos. 9-10, Sep.-Oct, 1963. Razdel [Section] 10, vol. 7, no. 8, Aug. 1963.

MOSCOW. PERVYI MOSKOVSKII MEDITSINSKII INSTITUT. Trudy [FIRST MOSCOW MEDICAL INSTITUTE. Transactions], Vol. 21, 1963, Voprosy klinliki i patogeneza psikhicheskikh narushenii pri sosudistykh zabolevaniiakh golovnogo mozga [Problems in the clinical aspects and pathogenesis of mental disorders in vascular diseases of the brain].

Table of contents translated

Banshchikov, V.M. - Introduction. p. 7.

Banshchikov, V.M. - Cerebral atherosclerosis as a general problem of medicine, in place of a preface p. 10.

IUmasheva, IU.S. - Mental disorders in hypertension at an early age. p. 19.

Belousova, V.N. - Clinical aspects of psychoses in vascular diseases of the brain, atherosclerosis and hypertension. p. 29.

Banshchikov, V.M. - Cerebral atherosclerosis with mental disorders in old age. p. 44.

Rakhal'skii, IU.E. - Disorders of consciousness in atherosclerosis of the vessels of the brain. p. 58.

Rakhal'skii, IU.E. - Mechanisms of the course of atherosclerotic disorders of the psyche. p. 67.

Banshchikov, V.M., Aleksandrova, A.P., Ryzhikov, G.V. - Effect of arterial hypotension on the clinical picture of cerebral atherosclerosis; a clinical observation. p. 76.

Rakhal'skii, IU.E. - Atherosclerotic cerebrasthenia. p. 85.

Rakhal'skii, IU.E. - Atherosclerotic dementia p. 95.

Bogolepov, N.K. - Psychopathological disorders in vascular lesions of the brain. p. 109.

Belousova, V.N. Neurological symptomatology in vascular psychoses. p. 120.

Russkikh, V.V. - Cardiovascular disorders in Down's disease. p. 128.

Degtiareva, V.M., Lebedeva, R.N. - Role of the somatic factor in the genesis of mental disorders following mitral commissurotomy. p. 139.

Maslev, A.T., Ursova, L.G., Zairov, G.K. - Craniocerebral trauma and its significance in the genesis of vascular diseases. p. 147.

Maslev, A.T., Degtiareva, V.M. - Case of a peculiar disorder of the memory following mitral commissurotomy. p. 155.

Rozova, M.S. - Work capacity of patients at various stages in the course of cerebral atherosclerosis. p. 162.

Popov, P.M. - Clinical aspects and work capacity of patients with reactive states in cerebral atherosclerosis p. 174.

Kornilov, A.A. - Course of hypertonic psychoses in the light of a late catamnesis. p. 184.

Fedortsov, V.I., Fedorovskii, G.N. - Peculiarities in the nocturnal sleep of patients with atherosclerosis of the vessels of the brain with mental disorders according to electroencephalography data. p. 192.

Ryzhikov, G.V., Fedorovskii, IU.N. - Clinical electroencephalographic study of hypotension with neuropsych disorders. p. 204.

Mosunov, B.N. - Mental disorders and their psychotherapy in patients undergoing an operation - commissurotomy for an acquired heart defect. p. 218.

Molchanov, G.M. - Structure and characteristics of depressive states in vascular (atherosclerotic) and presenile psychoses. p. 227.

Molchanov, G.M. - Differential diagnosis of vascular (atherosclerotic) disorders and presenile psychoses. p. 241.

Nevzorova, T.A., IUmasheva, IU.S. - Interrelations of schizophrenia and hypertension; variants in their clinical course and therapy. p. 261.

Pomanova, I.S., Ursova, L.G., Kornilov, A.A. - Cases of a combination of hypertension and tumor of the brain with mental disorders. p. 273.

Bul'fovich, B.M. - Differential diagnosis of atrophic and vascular diseases of the brain. p. 285.

Mitelkovskii, IU.A. - Effect of caffeine on the vessels of the brain of mental patients. p. 293.

Popov, P.M. - Clinical electroencephalographic study of reactive states in patients suffering from cerebral atherosclerosis. p. 308.

Gromova, V.V. - Dynamics of venous and arterial pressure in various stages of atherosclerosis of the vessels of the brain with mental disorders p. 322

Ryzhikov, G.V. - Data on combined sphygmomanometry in hypotension with neuropsychic disorders p. 336.

Romanova, I.S., Ronkin, M.A. - Diagnostic significance of rheoencephalography in cerebral atherosclerosis with mental disorders. p. 362

Tiut'mankov, V.N. - Vegetative tests in patients with vascular psychoses, preliminary report p. 374

Dekhtiar', O.E. - Dynamics of arterial pressure in vascular diseases of the brain with mental disorders. p. 380.

Lando, L.I., Zakhar'in, IU.L. - Content of adrenalin and adrenalinelike substances in the blood of patients with schizophrenia and vascular diseases of the brain with mental disorders. p. 389.

Kazakova, P.B., Mosunov, B.N. - Pathogenesis of psychoses occurring after surgical treatment of rheumatic heart defects, clinical morphological investigation. p. 407

Kazakova, P.B. - Pathomorphological changes in the brain in atherosclerotic dementia with no involution in the course of the clinical picture. p. 430.

Rakhal'skii, IU.E., Kazakova, P.B. - Diffuse atrophy in the brain in atherosclerosis with mental disorders, clinical morphological investigation. p. 453.

Skobnikova, V.K. - Errors in the differential diagnosis between a vascular lesion and a tumor of the brain. p. 471.

Skobnikova, V.K. - Erroneous diagnosis of the inflammatory process in vascular lesions of the brain p. 484.

Skobnikova, V.K. - Diagnosis of senile dementia in cerebral atherosclerosis. p. 502.

Kushelev, V.P. - Psychoses in conjunction with vascular lesions of the brain and senile dementia p. 511.

Kushelev, V.P. - Vascular diseases and rheumatism at a psychiatric hospital and in autopsy p. 520

Kushelev, V.P. - Causes of death at a psychiatric hospital of patients above sixty years of age. p. 527.

Russkikh, V.V. - Vascular disorders in the brain in methallyl chloride intoxication. p. 534.

Chirkov, A.M. - Organization principles of psychoneurological aid to patients with cerebral atherosclerosis with neuropsychic disorders and other vascular diseases; according to data from Moscow Province. p. 547.

NOVOSTI MEDITSINSKOI TEKHNIKI [NEW DEVELOPMENTS IN MEDICAL EQUIPMENT]. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut meditsinskikh instrumentov i oborudovaniia [All-Union Scientific Research Institute for Medical Instruments and Equipment]. Moscow, no. 4, 1961.

Table of contents translated.

Mishin, L.N. - Analysis of physiological processes. p. 3.

Gurevich, M.D., and others. - A stationary ultrasonic therapeutic device. p. 10.

Tamarova, R.M. - New trends in ophthalmological techniques. p. 20.

Federmesser, K.M. - Comparative evaluation of apparatus for labor anesthesia produced by the All-Union Scientific Research Institute of Medical Instruments and Equipment and by the "Krasnogvardeets" plant. p. 30.

El'kind, E.IU. - Technical methods of radiometry in radiodiagnosis. p. 38.

Ivanov, B.N., Vladimirov, V.V., Mandel'tsveig, IU.B. - Semiconductor CdS crystal dosimeters. p. 52.

Svadkovskaia, N.F. - Effect of ultrasonic vibrations on various biological objects; view of literature. p. 68.

Moldover, T.D., Vidgof, N.B. - Gatings on dies for casting thermoplastic materials under pressure. p. 78.

PROBLEMY TUBERKULEZA [PROBLEMS OF TUBERCULOSIS]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, no. 8, 1962.

Table of contents translated.

Bisiarina, V.P., Kolesnikova, M.A. - Dynamics of tuberculosis incidence and rate of infection in young children. p. 3.

Levenets-Kuznetsova, E.E. - Age and sex-related structure of tuberculosis incidence, susceptibility to, and mortality from this disease. p. 6.

Zavarskaia, I.P., Sorkina, E.Z. - Result of a population examination for tuberculosis. p. 12.

Mansurov, A.P. - Ambulatory treatment of pulmonary tuberculosis patients with antibacterial preparations and artificial pneumothorax in a rural medical district. p. 17.

Polikarpova, T.S. - Course of the primary tuberculous process in tuberculous meningitis in children. p. 23.

Voskresenskii, O.N. - Differential diagnosis of chronic hematogenic disseminated pulmonary tuberculosis. p. 30.

Firsova, L.D. - Protein fractions of the blood serum in tuberculous meningitis in children. p. 37.

Zhmudskaia, E.V. - Protein fractions of the blood serum in evaluating the activity of pulmonary tuberculosis p. 42.

Koriakin, V.A. - Changes of lipoproteins and protein fractions of the blood serum in pulmonary tuberculosis. p. 49

Pochuk, L.M., Pekurovskii, E.M. - Changes in the correlation of protein fractions of the blood serum under the influence of tuberculin in pulmonary tuberculosis in children p. 56

M[illegible]ci, Laszlo, Nyfiedi, Géza. - Treatment of cardiopulmonary insufficiency p. 63.

Batozhna, Z.N. - Changes in the electrocardiogram in pulmonary tuberculosis following pulmonectomy. p. 65

Pekur', P.P., and others. - Efficacy of artificial pneumothorax in pulmonary tuberculosis patients under rural conditions p. 71

Sorkin, I.E., and others. - Results of antibacterial therapy of chronic fibrocavernous pulmonary tuberculosis p. 75.

Borina, M.IA. - Comparative evaluation of the determination of the drug sensitivity of Mycobacterium tuberculosis by direct sputum culture on Helsberg's medium and by microculture p. 80

Stepanian, E.S., Sergeev, V.V. - Drug resistance of Mycobacterium tuberculosis in cycloserine treatment of pulmonary tuberculosis p. 84

Khait, A.L. - Change in the intercostal nerves in tuberculous spondylitis. p. 87.

Kartashev, A.I. - Role of tissular proteases in the formation of highly effective products decomposing Mycobacterium tuberculosis p. 92

Ermolov, V.I., Batyreva, A.A., Volchenko, K.L. - Effect of cortisone on the course of experimental tuberculous meningitis in puppies. p. 95.

Girin, D.V. - Rational periods of therapeutic pneumothorax p. 99.

Gadzhiev, N.N. - Two cases of tuberculomas of the liver. p. 102.

Bandzaitis, V.V. - Results of cycloserine treatment of pulmonary tuberculosis p. 101.

Guzeev, IU.M. - Simultaneous bronchoscopy and bronchography under local anesthesia in pulmonary tuberculosis. p. 105.

Petrov, M.M. - Association of diverticulitis, ileus, and tubercular peritonitis in a child. p. 106.

Pikuleva, IU.V. - Case of atypical tubercular process in the hip joint. p. 107.

Kaushanskii, M.Z., Salita, Kh.M. - Two cases of "thoracic stomach" p. 109.

(DNLM)

Vol 41, no. 3, 1963.

Table of contents translated:

International Women's Day, March 8. p. 3.

Kongo, E.O. - Experience in fluorographic examination *of the population.* p. 6.

Ginzburg, E.A. - Tuberculin sensitivity according to data from a total examination of the population. p. 8.

Shchutskaia, E.I. - Significance of the intensity of the tuberculin reaction for the detection of tuberculosis. p. 13.

TSigel'nik, A.IA., Volkova, K.I. - Hormone therapy of pulmonary tuberculosis and its complications. p. 16.

Kapitanov, E.A. - Effect of ACTH and prednisolone on the immunological reactivity following BCG vaccination. p. 22.

Malov, V.V., Koval'chuk, A.A. - Prednisolone in compound treatment of siderosilicotuberculosis. p. 26.

Klebanov, M.A. - Hemo-tuberculin reactions as a manifestation of the adaptation syndrome. p. 30.

Gefter, S.P., Migdalovich, B.M., Golubeva, T.S. - Skin tuberculin sensitivity in pulmonary tuberculosis during antibacterial therapy. p. 34.

Kenez, J., Szaszi, E. - Treatment of pulmonary tuberculosis with cycloserine. p. 38.

Eitli, A.A. - Telectasis following surgery in pulmonary tuberculosis. p. 40.

Borovinskii, A.I. - Surgical treatment of chronic spontaneous pneumothorax. p. 45.

Gutnik, E.P. - Content of phthivazide in the cerebrospinal fluid in tuberculous meningitis in children. p. 50.

Dushkevich, A.K. - Effect of adrenocorticotrophic hormone on the development of postvaccinal immunity to tuberculosis. p. 53.

Timasheva, E.D. - Tuberculous changes in the bone marrow and leukemoid reactions. p. 58.

Lozinskii, L.IA. - Causes of death in fibrous-cavernous pulmonary tuberculosis and the thanatological nature of cardiopulmonary insufficiency in this *form of disease.* p. 64.

Drabkina, R.O. - Determination under experimental conditions of the optimum periods for revaccination against tuberculosis. p. 70.

Pham Ngok Chakh. - Is the late vaccinal reaction following BCG vaccination an allergic response? p. 74.

Pletner, N.Kh., Libenson, V.S., Sumbatov, G.A. - Some manifestations of hyperfunction of the pituitary-adrenal system in tuberculosis patients following antibacterial therapy. p. 79.

Rabinovich, A.M., Rapis, IU.L. - Graphic description of the localization of tuberculous changes in the lungs according to segments. p. 81.

Svirlakhin, V.T. - Pathogenesis of pneumosclerosis in tuberculous empyemas. p. 83.

IAmpol'skaia, V.D. - Residual roentgenotomographic changes in pulmonary tissue following discontinuance of extrapleural pneumo- and oleothorax p. 84.

Baturo, A.P. - Comparative study of some elective culture media. p. 84

Kopeiko, I.P. - Review of G.S. Levin's book "Surgical treatment of pulmonary tuberculosis patients" p. 85

Instruction for conducting antituberculotic vaccination and revaccination by the intracutaneous method p. 87

Andrei Andrievich Ezeev, an obituary. p. 91 (DNLM)

REFERATIVNYI ZHURNAL: MEDITSINSKAIA GEOGRAFIIA (Otdel'nyi vypusk 36) [JOURNAL OF ABSTRACTS. MEDICAL GEOGRAPHY (Separate Issue 36)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, Oct. 1963

SVEIKATOS APSAUGA [HEALTH SERVICE]. Issued by LTSR Sveikatos apsaugos ministerija [Ministry of Health of the Lithuanian S.S.R.]. Vilnius, vol. 8, no. 9(93), Sep. 1963 [In Lithuanian] (DNLM)

SOVETSKAIA MEDITSINA [SOVIET MEDICINE]. Organ of Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 27, no. 7, July 1963.

Table of contents translated.

Sokolov, N.P. - Further develop research on the heredity of man. p. 3.

Samofalov, V.P. - Immediate and late results of stomach resection in chronic and duodenal ulcers. p. 7.

Belova, L.G., Frantsev, V.I. - Clinical aspects and diagnosis of bacterial endocarditis complicating congenital heart defects. p. 11.

Kosharko, K.A. - Electrokymographic investigation of combined mitral-aortic stenoses p. 16.

Makarov, M.P., Golovanov, A.M. - Importance of using the tracheotome in the surgical treatment of *patients.* p. 21.

Bershadenko, D.D. - Tracheostomy in the prevention and treatment of acute respiratory insufficiency following an operation on the lungs. p. 27.

Alekseev, G.I. - State of the vascular wall in hemorrhagic vasculitis. p. 32.

Usol'tseva, E.M. - Contusions of the extremities. p. 34.

Fedorova, E.M. - State of the cardiovascular system in elderly patients following fracture of the hip and leg bones. p. 39.

Vasil'ev, A.A. - Clinical aspects and treatment of nonspecific ulcerative colitis. p. 41.

Arutiunov, V.IA., Podol'skaia, T.N. - Griseofulvin, an effective preparation in the treatment of fungous diseases p. 45.

Levina, L.D. - Side-effect phenomena during hormone therapy of Botkin's disease. p. 51.

Gubler, E.V., Zimina, E.P. - Changes in energy metabolism in burn disease. p. 56.

Liubomudrov, V.E., and others - Course and outcome of periarteritis nodosa. p. 62.

Ivanov, I.P., Zmanovskii, IU.F., Aksenova, Z.P. - Reactivity characteristics of the vascular system in women during normal pregnancy and late toxicoses of pregnancy. p. 68.

Borodin, IU.P. - Antibodies to penicillin. p. 74.

Gurvits, L.M. - Dispensary observations on patients with peptic ulcer in a rural community. p. 78.

Mikhal'tants, A.A. - Acute appendicitis in elderly and senile patients; according to material of a district hospital for a five year period. p. 81.

Moiseeva, N.I., Luchko, G.D., Listova, A.I. - Results of dispensary service for patients who have suffered brain trauma. p. 85.

Milkov, L.E. - Effect of industrial noise on some functions of the nervous system. p. 89.

Fesenko, I.P. - Use of lincteol for treating cerebral atherosclerosis under polyclinic conditions. p. 93

Ivanova, M.V. - Treatment of chronic tonsillitis in children in Yevpatoriya. p. 94.

Stroganov, B.V. - Biochemical methods of studying the anicteric form of infectious hepatitis. p. 98.

Khalfen, Sh.S., Tagieva, N.B., Vinogradova, A.G. - Importance of determining the activity of transaminases, aldolase, phosphatase, and the heterohemagglutination reaction in some forms of Botkin's disease. p. 102.

Soboleva, V.D. - Effect of γ-globulin on the change of aldolase activity in those in contact with a focus of Botkin's disease. p. 105.

IUrova, L.G. - Exacerbations and relapses in Botkin's disease. p. 110.

Efimova, A.I., Shifman, N.D. - Treatment of obturating atelectasis developing in the postoperative period in pulmonary tuberculosis. p. 114.

Smelov, N.S., Zertsalova, G.N., Kochetkov, V.D. - Complications in the peripheral nervous system in pemphigus during treatment with corticosteroids. p. 120.

Kuznetsov, N.N. - Novocaine block as a method of pathogenetic therapy for gastric peptic ulcer. p. 124.

Gataullin, N.G., Atlasova, R.Kh. - Mesotheliomas of the peritoneum and pleura. p. 125.

Kitoner, I.L. - Discogenic lumbosacral radiculitis. p. 128.

Zisman, I.F. - Combined treatment of lymphogenic tumors of the stomach. p. 135

Rabinovich, P.D. - Case of anaphylactic shock during the administration of penicillin drops into the nose. p. 138.

Sinegubko, M.B. - Treatment of ischias by the method of lumboperidural infiltration of cortisone p. 139

Abstracts p. 142

Nazaretian, E.L., Semendiaeva, M.E. - Seventeenth session of the general meeting of the Academy of Medical Sciences of the U.S.S.R. p. 148.

Chekin, V.IA. - Results of the Second Scientific Conference of the Institute of Therapy of the Academy of Medical Sciences of the U.S.S.R. on problems of climatopathology in the clinical aspects of *cardiovascular diseases* p. 151.

Beliaev, V.S. - Conference dedicated to the 10th anniversary of the tissue bank of Czechoslovakia. p. 153

In memoriam P.A. Kupriianov. p. 156.

SOVETSKOE ZDRAVOOKHRANENIE [SOVIET HEALTH SERVICE]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 22, no. 6, 1963.

Table of contents translated

Shlotinskii, M.N. - For further achievements. p. 3

Petrov, P.P. - Work of the district hospital under the new system of district rearrangement. p. 5.

Ovcharov, V.K., Anan'ina, I.B., Varlamova, V.V. - Organization and statistics of the activity of municipal medical centers. p. 7.

Gudoshnikov, F.F. - Dispensary services for the population p. 13.

Mikhailova, E.S. - Dispensary service for patients with influenza and catarrh of the upper respiratory tracts. p. 16.

Orlov, N.G. - Medical care at home or an infirmary *in the home* p. 17

Novikova, K.F. - Study of the incidence of myocardial infarct, according to data collected in Sverdlovsk. p. 22

Khelemendik, M.D. - Mechanization and automation of production processes and traumatism in the hot-working departments of the F.E. Dzerzhinskii Metallurgical Plant. p. 25.

Gabimov, L.A., Gurevich, T.Z., Karmazin, L.IA. - Some data concerning the working ability of persons with hypertension performing mental work. p. 28.

Shapiro, L.B., Lebedev, B.B. - New organizational forms in the work of the Moscow Medical First Aid Station. p. 31.

Mikhelkin, V.IA. - Organization of hospitalization for persons suffering from injuries inflicted while under the influence of alcohol. p. 34.

Zabolotskaia, L.P., Fasler, L.F., Leil', R.K. - Hygienic instruction of patients with infectious diseases under dispensary observation. p. 36.

Garkusha, R.I. - Work of the Public Representation Council at the Biysk Municipal Hospital No. 3. p. 40.

Mikhailov, V.S. - Privileges and immunities of the World Health Organization. p. 40.

Spiridonov, P.A. - Organizing the work of registration in the city polyclinic. p. 46.

Telushchenko, D.A. - Results of self-recording of patients to see the doctor. p. 47.

Krupkin, B.M. - Some problems of organizing the work of the receiving department of city and district hospitals. p. 49.

Kheifets, L.Z., Morozova, E.M. - Late results of treatment of invalids of the Patriotic War with *sequelae of combat traumatism.* p. 50.

Korneev, V.M., Mikhailova, L.V. - From the history of native oncology. p. 55.

Selezneva, V.T. - Ural physicians during the revolu*tion of 1905-1907.* p. 61.

Bogolavlenskii, N.A. - Importance of archaeological data in the study of the history of native medicine. p. 66.

Significant and anniversary dates in the history of medicine, 1963. p. 71.

New books. p. 75.

Knabe, G. - Incidence of disease among the rural population in the German Democratic Republic. p. 76.

Anchev, V., Popov, M. - History of Russian-Bulgarian cooperation in the field of medicine and public *health.* p. 80.

Gribanov, E.D. - Review of I.A. Zinov'ev's monograph "History of higher medical education in Russia." p. 86.

Strashun, I.D. - Review of the collection of articles "History of medicine in the Ukraine; based on data of the western provinces of the Ukrainian S.S.R., Transcarpathia and Bukovina." p. 88.

Nevskii, V.A. - Review of the book "Dissertations for the degree of Doctor and Candidate of Medical Sciences defended between 1951 and 1955." p. 91.

Andreeva, E.I. - Organizing the control of poliomyelitis and its consequences in the Latvian S.S.R. p. 93.

Dmitrieva, V.I. - Congress on medical history in the Hungarian People's Republic. p. 94.

Demikhovskii, E.I. - Museum dedicated to the memory of a Soviet physician. p. 95.

Serebrennikov, A.B. - Pirogov Lectures delivered in Leningrad. p. 96

SOVETSKOE ZDRAVOOKHRANENIE KIRGIZII [SOVIET HEALTH SERVICE OF KIRGHIZIA] Issued by Ministerstvo zdravookhraneniia Kirgizskoi SSR [Ministry of Health of the Kirghiz S.S.R.]. Frunze, no. 3, May-June 1963.

Table of contents translated

Shagan, B.I. - Evolution of the theories of rheumatism and our tasks in the control of this disease. p.3.

Pirzhivoit, G.N., Borlnik, T.A. - Some hematological indicators of healthy people in the City of Frunze. p.10.

Burmin, L.S. - Some characteristics of the distribution of atherosclerosis in elderly and senile people in the Kirghiz S.S.R. p.14.

Kaliuzhnyi, I.T., Tel'taeva, G.K. - Etiology of liver cirrhosis. p.18.

Kulybekova, G.F. - Some late results for the mother following labor in case of pelvic presentation. p.23.

Silkina, A.P., IArmukhamedova, Z.S. - Clinical aspects and treatment of porphyria skin disease. p.27.

Musuenko, P.V. - Cancer of the lip according to the Kirghiz Scientific Research Institute of Oncology and Radiology. p.30.

Shcherbakov, G.G. - Metallic antimony in biological material. p.32.

Bolgnova, O.I. - General incidence of disease among the adult population of Frunze in 1958. Report No.4 p.37.

Dobrova, S.M. - Result of trachoma control in an antitrachoma dispensary of the village of Aleksandrovka in the Kirghiz S.S.R. p.41.

Shpirt, M.B. - Sanitary, technical, and organizational measures used in decreasing industrial traumatism in plants of the machine manufacturing industry p.13.

Surtaschieva, R.K. - Incidence and prevention of rabies in the Kirghiz S.S.R. p.48.

Sviadoshch, S.A. - Role of nurses in treating children suffering from intestinal toxicoses. p.52

Astapova, M.E. - X-ray diagnosis of hiatal hernia of the small intestine. p 57.

Fridman, M.E. - Use of substitution blood transfusion in treating calculous anuria. p 58.

Posevin, B.A. - Case of reanimation of a patient in the traumatological department. p.60.

Grinshtein, V.IA. - Complication in the treatment of chronic nonspecific infectious polyarthritis with chrysanol. p.62.

Lysenko, A.I. - Poisoning with exhaust gases in the GAZ-69 automobile. p.63.

Dzhumaliev, I.D. - Case of simultaneous bilateral tubal pregnancy. p 63.

Mamakeev, M.M. - Professor Surgeon M.E. Fridman p.3 of cover.

VESTNIK RENTGENOLOGII I RADIOLOGII [REVIEW OF ROENTGENOLOGY AND RADIOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.38, no.2, Mar.-Apr. 1963.

Table of contents translated:

Polyovskii, B.V., Rabkin, I.Kh. - Use of the electron optical transformer and X-ray cinematography in diseases of the heart and major and peripheral vessels; methodology and technique of examination. p.3.

Rozenshtraukh, L.S., Semenovskii, M.L. - Comparative evaluation of contrast substances for angiography. p.9.

Dymik, I.B., Okhotin, I.K. - Diagnosis of patent ductus arteriosus with a reverse shunt by selective angiocardiography. p.14.

Methodology of direct lymphography under experimental and clinical conditions. p.16.

Epshtein, I.I. - Arteriography during obliterating processes in the peripheral vessels p.20.

Shotemor, Sh. - Theory of the tomographic image of pulmonary vessels. p.25.

Shekhter, A.I. - Data on the study of isolated lesions of the middle lobe of the right lung. p.34.

IAshchenko, B.P., Domina, V.Z. - Roentgenological characteristics of the course of pulmonary tuberculosis in elderly and senile patients in the process of antibacterial therapy. p.37.

Likhtenshtein, E.A. - Work in standardization of terminology in the field of roentgen diagnosis. p.42.

Sviridov, S.A. - Contemporary problems in roentgenological terminology. p.47.

Results of the discussion on roentgenological terminology. p.49.

Valuberg, M.Sh. - Removable seat for the rotational attachment to the stand of the roentgen or gamma apparatus. p.55.

Novikov, V.A., Avdonin, S.I. - Headholder for large-film fluorography of the accessory nasal sinuses. p.57.

Kutova, A.A. - Obtaining silver from waste fixing solutions and solutions left after primary washing of negatives. p.58.

Platonova, V.A. - Role of bronchography in chronic pneumonias in children. p.60.

Sharov, B.K. - Variations of the development of the tracheobronchial tree. p.60.

Agranovich, R.M. - Case of a fibrinous body in the pleural cavity. p.61.

Bandalin, B.N., Levina, Z.I. - Closed calcified cyst of the lung p 62.

Gogaladze, A.S., Kuznetsov, I.L. - Closed lesion of the lung. p.63.

Mitikhina, Z.I. - X-ray diagnosis of intramuscular lipomas. p.64.

Kuvaeva, I.R. - Lymphogranulomatosis of the sternum. p 64.

Vil'khovoi, V.F. - Changes in the course of the salivary ducts during the motion of the head and the lower jaw p.65

Aliev, B.M., Vlasov, P.V. - Work of the traveling teams of roentgenologists from the Central Institute for the Improvement of Physicians' Qualifications. p 66.

Khakham, A.I. - "Problems of clinical and roentgenological diagnosis of closed fractures of tubular bones" by L.I.Shukhko, D.E Gol'dshtein. p.67

Luk'ianchenko, B.IA. - Seventh Congress of Roentgenologists and Radiologists of the German Democratic Republic. p 68.

The 60th birthday of Professor I.M.IAkhnich. p 69.

VOENNO-MEDITSINSKII ZHURNAL [JOURNAL OF MILITARY MEDICINE]. Issued by Voenno-meditsinskoe upravlenie Ministerstva oborony SSSR [Military Medicine Administration of the Ministry of Defense of the U.S.S.R.]. Moscow, no.8, 1962.

Table of contents translated

Semeka, S.A. - Medical care of the Russian army during the Patriotic War of 1812. p. 11.

Baranov, A.T. - Improvement of the military physician p.19.

Rozin, V.V - Effect of small doses of ionizing radiations on the human body, review of literature. p.22

Zakrzhevskii, E.D., Safronov, E.I. - Radiation sickness resulting from internal irradiation. p.29.

Rozentov, V.A., Popov, A.V., Ponomarev, P.S. - Acute form of radiation sickness with the syndrome of predominant affection of the gastrointestinal tract, review of the literature. p.36.

Kishkovskii, A.N. - Functional and morphological changes of some organs and systems in chronic radiation sickness; experimental research. p.39.

Rusakov, A.B. - Healing of closed bone fractures in chronic radiation sickness; experimental research. p.44.

Faizhatov, M.N. - Treatment of patients with open injuries of the extremities p.46

Kotsarev, V.N., Khlopitskii, L.V. - Alimentary toxinfection caused by Escherichia coli. p 54

Sal'nikov, P.S., IAkuba, M.M. - Epidemiological significance of atypical strains of the dysentery agent p.55.

Belokhvostov, S.D - Bactericidal aerosols and prospects of their use for disinfection in the armed forces. p.57.

Golubchik, I.A. - Expertise regarding ear barofunction in flying school candidates. p.63.

Smirnov, V.V., Kopobritskii, I.S. - Changes of ocular refraction after atropinization in flying school candidates. p.65.

Bel'chikov, E.V. - Characteristics of the manifestation of initial forms of parodontosis in naval personnel during lengthy cruises. p.66.

Bobrov, N.I., Matuzov, N.I. - Drinking conditions on ships in tropical ocean zones; review of literature. p.68.

Dmitriev, B.A., Bezuglyi, A.E., Shul'man, M.G. - Intraosseous osteosynthesis using a metal pin in the treatment of gunshot fractures of the long bones. p.72.

Raktitin, IA.A., Usov, D.V. - Result of surgical treatment in stenocardia. p.73.

Krakht, S.V., Amirov, M.S. - Causes of repeated hospitalization of dysentery patients. p.75

IArtsev, V.IU. - Result of the treatment in acute dysentery with antibiotics in conjunction with intradermal vaccine therapy. p.77.

Mizrakhi, IA.I. - Device for loading the ionization chamber of the DK-0.2 type dosimeter. p.86.

Stratonovich, V.I. - Cutaneous foreign body locator with a marker. p.87.

Rogovin, M. - Psychic stress and its investigation. p.88.

{ PHOTOCOPY}

VRACHEBNOE DELO [MEDICAL PRACTICE]. Organ of Ministerstvo Zdravookhraneniia USSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, no. 6, June 1963.

Table of contents translated:

Arutiunov, A.I. - Clinical aspects and diagnosis of Echinococcus of the brain and spinal cord. p.3.

Ado, A.D. - Allergic reactions of a retarded type. p.11.

Vinnitskii, A.R. - Problems of the pathogenesis of polyneuritis caused by exposure to low temperatures and endarteritis. p.17.

Dziak, V.N. - More on the pharmacodynamics of nitroglycerin. p.23.

Zamyslova, K.N., Maslova, K.K. - Vascular hyperreactivity in hypertension. p.29.

Davydova, L.I. - Study of the excretion of catechol amines in atherosclerosis. p.33.

Lushchin, IU.K. - Characteristics and dynamics of sleep in hypertension patients treated in the biotron. p.36.

Skochil, P.G. - Effect of meteorological factors on the course of hypertension. p.40.

Sveshnikova, O.S. - Methods of obtaining thrombocytes. p.43.

Rovinskii, V.I. - Clinical variants of exitus letalis in the attack of bronchial asthma. p.44.

Shestnev, A.K - Blood protein fractions an C-reactive protein in patients with chronic nonspecific pneumonia. p.46.

Vavrik, I.V. - Intragastric temperature in patients with chronic gastritis. p.51.

Korenevskii, L.I., Ishchenko, M.P. - Hormone therapy in breast cancer. p.53.

Podil'chak, M.D. - Chronic inflammation and the process of carcinogenesis. p.58.

Polykovskaia, I.D. - Pseudotumor syndrome in pregnancy. p.62.

Bugaenko, P.A. - Pathogenesis and clinical aspects of lumbosacral radiculitis. p.66.

Bratus', N.V. - Participation of the reticular formation in the conduction of interoceptive impulses to the cerebral and cerebellar cortex. p.72.

Dudarenko, V.P. - Prevention and treatment of radiation reactions and lesions of the rectum with galascorbin. p.76.

Vil'khovoi, V.F. - X-ray study of the anatomy of the vena cava inferior and its branches. p.77.

Kuzmenko, V.L. - Inducing the phenomenon of immunological tolerance in adult rats. p.81.

Diachenko, N.S. - Detection of antibodies to adenoviruses by the method of passive hemagglutination reaction. p.85.

Loban, K.M. - Therapeutic use of curarelike and neuroplegic substances in tetanus. p.90.

Grigorashenko, A.E., Stankov, A.G., Chernovskaia, L.V. - Data on a study of the epidemiology of some forms of glandular toxoplasmosis. p.93.

Stroganov, B.V. - Detecting the anicteric forms of Botkin's disease. p.96.

Vitivker, V.S. - Significance of the phagotyping test in the study of staphylococcal intoxications. p.100.

Barchenko, I.P., Malevannaia, E.M. - Content of molybdenum in food products and its hygienic significance. p.102.

Trakhtenberg, I.M., Gimadeev, M.M. - Effect of small mercury vapor concentrations on the body. p.103.

Maistruk, P.N. - Data on the hygienic reasons of water fluoridation for the prevention of dental caries. p.109.

Bergman, S.I., Zodun, I.M. - From the practice of conducting clinical pathoanatomical conferences. p.114.

Khmel'ko, A.G. - Gaseous exchange in the heart muscle in experimental miocardial infarct under the effect of hormonal factors (ACTH and cortisone). p.117.

Limanskii, M.E. - X-ray examinations in preventive examinations for the purpose of detecting tuberculosis in adults and children. p.110.

IArtsev, A.N. - Capillaroscopic observations. p.119.

Shefer, V.F. - Simple method of determining venous pressure. p.120.

Luk'ianova, N.I., Gavriushenko, L.A. - Clinical biochemical characteristics of interparoxysmal periods in rheumatic fever. p.122.

Kolotova, N.N., Voitiuk, V.M. - Transplantation of bone marrow in the treatment of bone marrow hypoplasia. p.123.

Sobko, M.IA., Kazakov, S.D. - Content of macro- and microelements in goiter-changed and normal thyroid glands in the residents of L'vov Province. p.124.

Khomenko, D.G. - Oxygen consumption in patients with thyrotoxicosis and the effect of oxygen therapy. p.126.

Dormidontov, E.N. - Change in the ballistocardiogram in euthyroid goiter. p.126.

Steblov, E.M. - Cerebral matastases in chorionepithelioma. p.127.

Korchemnyi, V.A. - X-ray therapy in syringomyelia. p.129.

Vashchenko, M.A., Balaban, IA.M. - Arterial hypertonia as an early symptom of a cerebellar tumor. p.130.

Sivokoneva, N.A. - Late results of the treatment with protective inhibition in bronchial asthma. p.132.

Kertsman, D.A. - Diagnosis of acute pancreatitis under polyclinical conditions. p.132.

Gapeeva, V.M. - Perforation of gastric ulcer following X-ray examination. p.134.

Zakrzhevskii, V.V. - Primary cancer of the appendix. p.135.

Goncharenko, E.I., Goncharenko, L.I., Maliuk, V.I. - Device for photodocumentation of rectoromanoscopic examinations. p.135.

Shul'man, L.N. - Rupture of the aorta. p.136.

Skopichenko, N.F. - Sporadic case of ornithosis. p.138.

Kazanets, E.F. - Significance of a head trauma in the development of a schizophrenic process. p.140.

Krivkova, V.S. - Exercise therapy for patients with spastic paraplegias and paraparesis of the lower extremities following the removal of a spinal cord tumor. p.142.

Morozkin, N.I. - Third International Congress on Infectious Pathology. p.144.

Gribanov, E.D. - Eighteenth International Congress on the History of Medicine. p.147.

Bentumov, R. IA. - Materialistic orientation in the scientific and pedagogical work of the medical scientists of the Kiev University. p. 148.
Diachenko, S.S. - Professor M.P. Neshchadimenko. p. 150.
Zhukovskii, L.I., Mamolat, A.S. - Physician-humanist *Professor K.G. Tritshel'*. p. 153.
Skakun, N.P., Kucheruk, A.S. - "Handbook for practical work in prescription writing" by N.S. Shvarsalon, p. 155.
Roti, A.V. - Legal consultation. p. 157.

No. 8, Aug. 1963.

Table of contents translated:

Siedzevskaia, I.K., IAnovskii, G.B. - Systolic phases of the heart in rheumatic carditis. p. 3.
Maleshkov, B.S. - Some new biological indexes in connection with the evolution of the rheumatic process. p. 7.
Filinov, B.I., Orzheshkovskii, V.V. - Functional state of the thyroid gland in infectious nonspecific *polyarthritis*. p. 11.
Kucherenko, E.M., Grinshpun, O.IA., Kucherenko, A.E. - Ballistocardiographic studies in chronic *tonsillitis*. p. 14.
Shelnin, P.I. - Pathomorphological changes in the heart in leukemia. p. 18.
Pokotilenko, G.M. - Clinical experimental observations on the use of pyridoxine in anemias. p. 23.
Derman, G.L., Goncharova, L.S. - Morphological changes in the nervous apparatus of the major arterial vessels in hypertension. p. 26.
Elfimova, T.IU. - Rehexon treatment of hypertension. p. 29.
Levin, A.I., Koval'chuk, A.A. - Excretion of 17-ketosteroids in pulmonary cardiac insufficiency. p. 33.
Klenus, IU.N. - Adrenaline and adrenalinelike substances in the blood in peptic ulcer. p. 36.
Smoligovets, P.V. - Acidophilic-yeast milk products in the treatment of peptic ulcer and chronic gastritis. p. 41.
Belinskaia, L.P., Vol'fovskii, V.D. - Treatment of chronic pyelonephritis. p. 45.
Vinnitskii, A.R. - Effect of frostbite on the regeneration of the peripheral nerves. p. 50.
Davidenkova, E.F., Kolosova, N.N., Nekhamkina, A.G. - Treatment of diseases of the nervous system with methyldiazil. p. 55.
Mikhailovskii, V.S., Naitvaiko, D.G. - Changes in the temperature of the skin of the face in trigeminal neuralgia. p. 60.
Korol', A.P. - Epileptic seizures in patients with intra- and extracerebral tumors of supratentorial localization. p. 63.
Zadorozhnyi, B.A. - Morphological changes in the skin and internal organs of rabbits during local β-irradiation with radioactive phosphorus (P_{32}). p. 66.
Kamenetskii, M.S. - Evaluation of X-ray methods of examining external respiration. p. 73.
Mrozek, T.K. - Clinical aspects of thyrotoxicosis in elderly and senile patients. p. 75.
Rotenberg, D.L., Mel'man, E.P., Maksimuk, IU.A. - Respiratory properties of the blood in conditions of collateral circulation in the pulmonary tissue. p. 78.
Prevention of possible chronic lesions of the liver following a history of epidemic hepatitis (Botkin's disease). p. 82.
Zaporozhchenko, A.IA. - Materials on the epidemiology and clinical aspects of rarely found forms of anthrax. p. 87.
Khalabuda, I.Z. - Most significant factors in the transmission of ascariasis and trichocephaliasis. p. 88.
Matveev, P.T., Ena, M.G. - Medical industry of the Ukrainian S.S.R. in the seven-year plan. p. 92.
Suponitskii, M.IA., Kucher, N.V. - Morbidity with temporary loss of work capacity in industry in the Ukraine and ways for its reduction. p. 97.
Soldatov, N.A., Kudelia, A.G. - Medical service for the population. p. 102.
Parashchak, P.V. - Development of specialized medical aid in Ivano-Frankovsk Province. p. 104.
Shindler, M.S. - Origin of hypertension. p. 106.
Kirichinskii, A.R. - "Nogier's method" - ear acupuncture. p. 108.
Gubskii, I.M. - Letter to the editor. p. 113.
Nazarov, G.IA. - Letter to the editor. p. 113.
Vdovin, V.N. - Chronic hypertonic encephalopathy following a cerebral insultus. p. 114.
Natarov, V.V. - Use of mineral mine waters of the Krivoy Rog Basin for balneological purposes. p. 115.
Vinkler, G.E. - Unusual course of hemorrhagic vasculitis. p. 117.
Kolpakov, A.A. - Effect of irritation of the cutaneous receptors by mustard plasters on the adrenergic and cholinergic properties of the blood. p. 119.
Login, M.IU., Mandziuk, N.I. - Diagnostic significance of Hakim's serum reaction in cancer. p. 120.
Prokopovich, N.N. - Absorption of dibromosalicylanilide, an antifungal and antimicrobic remedy. p. 122.
Aroshnikova, L.A., Ovsepian, A.G. - Effect of reserpine on the capillary blood circulation. p. 123.
Mikhal'iants, A.A. - Repeated perforation of a duodenal ulcer. p. 125.
IUnda, I.F. - Hormonal displacements in patients with malignant neoplasms of the testicle. p. 126.
Perelmuter, D.L., Sokolovskaia, V.G. - Effect of "Moinaki" mineral water on the secretory and evacuatory function of the stomach. p. 127.
Dudarenko, V.P. - Preventive use of galascorbin in radiotherapy. p. 129.
Tarkhanova, M.V. - Significance of the clinical microscopic method in the diagnosis of actinomycosis. p. 130.
Kats, I.M., Zusmanovich, V.A. - Severe anaphylactic reaction caused by the prolonged use of penicillin and streptomycin. p. 132.
Babov, D.M., Nadvornyi, N.N., Chusov, IU.N. - Detection and survival of pathogenic serotypes of Escherichia coli in sewage and in soil. p. 133.
Koshnitskii, I.N., and others. - State of health of workers in the graphite industry. p. 134.
Malstrovskii, R.B., Gorbanovskii, V.S. - Severe tetraethyl lead poisoning. p. 135.
Livshits, M.L. - Allergic dermatitis caused by the intake of poliomyelitis vaccine. p. 136.
Potolskii, I.I., and others. - Treatment of superficial yeast lesions of the skin with sodium caprilate ointment. p. 136.
Kozlovskii, A.A. - Viral encephalitis with the clinical aspects of somnambulism. p. 138.
Kazakevich, R.L., Gluzman, E.B. - State of the peripheral blood circulation in diencephalic syndromes of different etiology. p. 139.
Drobinskii, A.D., Dolina, G.I. - Hereditary angioneurotic edema with diencephalic crises. p. 142.
Lavrova, A.A. - Results of the treatment of the sequelae of gunshot wounds and traumata of the spinal cord and cauda equina at the Saki health resort. p. 143.
Fedorova, N.K. - Strychnine nitrate treatment of acute barbiturate poisoning. p. 144.
Ishchenko, M.I. - Congenital case of Oppenheim's myotonia. p. 145.
Zurabian, N.K., Grinshpun, I.Sh. - Functional state of the adrenal glands in chronic alcoholism. p. 146.
Bleikher, V.M. Speech disorders of Pick's and Alzheimer's diseases. p. 147.
Futran, G.S. - First Conference of the Committee for the Control of Toxoplasmosis. p. 150.
Serebrianaia, S.G. - Second All-Union Scientific Conference on Hygiene and the Toxicology of Pesticides. p. 151.
Gubergrits, A.IA. - "Handbook on clinical hematology" by D.N. IAnovskii. p. 154.
Ganzha, O.N. - Some remarks on A.S. Voronov's monograph "Hospital therapy." p. 154.
Roti, A.V. - Legal consultation. p. 157.

VESELIBA [HEALTH]. Issued by Latvijas PSR Veselibas aizsardzibas ministrija [Ministry of Health of the Latvian S.S.R.]. Riga, no. 10(65), Oct. 1963. [In Latvian]

ZDOROV'E [HEALTH]. Issued by Ministerstvo zdravookhraneniia SSSR i RSFSR [Ministries of Health of the U.S.S.R. and the R.S.F.S.R.]. Moscow, vol. 9, no. 5(101), May 1963.

Table of contents translated:

Chemistry helps medicine:
Belozerskii, A.N. - For the present and the future. p. 1.
Pershin, G.N. - One out of ten thousand. p. 2.
Ushakov, S.N. - Synthesis. p. 3.
Farfel', V.S. - Earth sense. p. 4.
Nosov, S.D. - Pernicious "orphans." p. 6.
Shershenova, E. - Berries. p. 6.
Kositskii, G.I. - Path of a researcher. p. 7.
Anntol'ev, A. - Thyroid and parathyroid glands. p. 9.
Sukharova, G.E. - Preventing nervousness in children. p. 10.
Pokrovskii, A.A. - Eat right. p. 12.
Leafing through old periodicals.... p. 15.
Notebook. p. 15.
Kvitnitskaia, N.N. - Let collective farm villages have good water. p. 16.
Kafanova, Liudmila. - Prompted by the heart and not by duty. p. 18.
Krylova, M.D. - Prevention of brucellosis. p. 20.
Blinkin, S.A. - Heroic deed of a scientist. p. 22.
Rabkin, E.B., Sokolova, E.G. - Color serves health. p. 23.
Tin, N. - The weapons of satire. p. 25.
Brumel', Valerii. - Main factor in sports. p. 25.
Margorin, N.E. - Flower burns. p. 27.
Gorskii, S. - In the country of Virchow, Koch and ... sorcerers. p. 28.
Foreign humor. p. 28.
Bookshelf. p. 29.
Meeting our readers. p. 30.
Hints of the "Zdorov'e. p. 30.

ZDRAVOOKHRANENIE [HEALTH SERVICE]. Organ of Ministerstvo zdravookhraneniia Moldavskoi SSR [Ministry of Health of the Moldavian S.S.R.]. Kishinev, vol. 6, no. 1, Jan.-Feb. 1963.

Table of contents translated:

Sorochan, I.D. - Results of the November Plenum of the Central Committee of the CPSU, the Sixth Plenum of the Central Committee of the Moldavian Communist Party and tasks of the public health agencies of the Republic. p. 3.
Georgiu, N.K. - Some problems of specialized surgical service for the children of Moldavia. p. 7.
Kozishkurt, P.P. - Skin diseases of workers on the *M.V. Frunze and "Kopanka" State Fruit and Vegetable Farms* in the Moldavian S.S.R. p. 11.
Dolgonos, B.M. - Consultation service for patients under doctor's care according to data of the Republic Sanitary Aviation Station of the Moldavian S.S.R. p. 16.
Zaria, K.I., Kozin, A.V. - Organization of measures decreasing the incidence of eye diseases in village polyclinics. p. 20.
Kostiushko, E.F. - Expedient treatment of purulent pleurisy in childhood. p. 24
Satmari, V.V. - New method of aortoplasty in coarctation. p. 26.
Portnov, Z.M. - Diagnosis and treatment of kidney tumors in children. p. 30.
Molodetskaia, S.E. - Subluxation of the head of the radius in small children. p. 35.
Rekhelis, S.D., Kaufman, M.A. - Use of peritoneal laminas in treating thermal burns. p. 38.
Kaipov, F.I., Shamis, A.IA. - Problem of the choice of a method for replacing defective skin in newborn infants. p. 41.
Poddubnyi, I.G. - Architectonics of branches of the pulmonary artery in children during the first 2 years of life in health and in pneumonia. p. 44.
Ornshtein, E.G. - Fractures of the lower segment of the bones of the forearm. p. 50.
Kal'nitskii, S.I., Fedash, V.N. - Use of oxygen in local treatment of trophic ulcers of the lower extremities in case of varicose veins. p. 51.
Moraru, A.T. - Use of potentiated anesthesia in surgery during childhood. p. 6.
Starostenko, N.T., Ostrovskaia, N.F. - Intestinal lipodystrophy or Whipple's disease. p. 50.
Vovk, I.F., Testemitsanu, P.A. - Tonsillectomy in arthropathic psoriasis. p. 57
TSypin, M.IA. - Closure of postoperative defects of the upper jaw. p. 59.
Drobinskii, I.R. - Results of the Third International Congress on Infectious Pathology. p. 59.
Ptashok, S., Zatokovenko, A., Pelkerbarg, S. - In the Medical Council of Floreshty District. p. 62.
Bryksin, I.I. - Legal consultation. p. 63.

ZDRAVOOKHRANENIE ROSSIISKOI FEDERATSII [HEALTH SERVICE OF THE RUSSIAN FEDERATION]. Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 7, no. 7, July 1963.

Table of contents translated.

Forty-fifth anniversary of the founding of the People's Commissariat of Public Health Service in the R.S.F.S.R. p. 3.
Golin, IA.I. - General incidence of disease (according to data on application for medical care) among the population of a mountain region in the Daghestan A.S.S.R. p. 7.
Vager, V.P., Freidlin, S.IA. - Temporary disability in cardiovascular diseases. p. 12.
Matovskii, I.M., Seredinina, L.L., Kornilushkina, O.G. - Influenza incidence among medical workers during the influenza epidemic in January 1962. p. 15.
Moiseeva, L.I. - Results of the organization of medical care for workers and employees with hypertension and coronary insufficiency at the Ural Heavy Machinery Plant. p. 17.
Linchevskii, E.E. - Work of the psychoneurological department in a district hospital. p. 20.
Zhuravel'-IAkobson, R.IU. - Hospitalization of patients with individual diseases (according to data of a thorough study of the incidence of disease among the Kiev population). p. 24.
Kolomiitsev, F.M., Kachaev, V.F. - Assistance rendered by the Altai Medical Institute to public health agencies and institutions in 1962. p. 27.
Kuvaldina, O.A. - Work of a provincial hospital promoting the specialization of therapeutists. p. 29.
Ovcharov, V.K. - Study of the incidence of disease among the population in socialist countries. p. 31.
Petrov, B.D. - Review of M.E. Poliakova's book "Social forms in the activity of public health agencies in Omsk Province." p. 35.
Fedotov, D.D. - First Congress of the Neuropathologists and Psychiatrists of the Russian Federation. p. 37.
Matoshin, V.M. - Fifth All-Russian Conference on Physical Training and Sports, Medical Control and Therapeutic Physical Culture. p. 40.
Ivakina, V.N. - Basic results of the activity of public health agencies and institutions in the R.S.F.S.R. at the beginning of 1963 (continuation). p. 43.

b. GYNECOLOGY, OBSTETRICS & PEDIATRICS

PEDIATRIIA, AKUSHERSTVO I GINEKOLOGIIA [PEDIATRICS, OBSTETRICS, AND GYNECOLOGY]. Organ of Ministerstvo okhrony zdorov'ia URSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, vol. 25, no. 2, 1963.

Table of contents translated:

Manolova, E.P. - Effect of infectious diseases on the state of antitoxin immunity to diphtheria. p. 3.
Bychkove'kyi, V.N. - Some reactions of diphtheria patients to intravenous administration of glucose. p. 5.
Kapkova, Z.Y. - Some indices of the reactivity of the body in scarlet fever in children. p. 8.
Brainyna, IE.S. - Pathogenesis of scarlet fever. p. 13.
Revenok, N.D. - Clinical aspects of measles in infants with special reference to maternal immunity. p. 1
Brium, R.M. - Indices of the agglutination reaction the treatment of whooping cough with immune anti whooping-cough gamma globulins. p. 18.

Svistukhova, O.S. - Differential diagnosis of Werl-
B 11b- hof's disease and aplastic anemia in children p 21
14e Daletskaia, L.P. - Various aspects of the clinical picture and pathogenesis of Botkin's disease in children. p.23
Grinberg, R.M. - Age related characteristics of morbidity in children of preschool age p 28
Bakshetov, M.S., and others. - State and basic problems in obstetrical and gynecological services in a rural area of the Ukraine p.33
Volokh, D.M. - Psychoprophylactic preparation of gravidas for labor in rural obstetrical institutions of Poltava Province. p 38.
Babukhadiia, V.L. - Problems in the organization of obstetrical and gynecological services in rural areas p 40
Kvasheako, B.K. - Cancer prevention in a rural location of Rovno Province p 43.
Zhupanenko, T.I. - Treatment of late toxemias in pregnancy with hexonium combined with reserpine p.44
Suzans'kyi, O.M. - Characteristics of the biochemical composition and crystallization of the amniochorionic fluid. p.46
Malykhina, R.I. - Single-stage method of colpopoiesis using the sigmoid colon. p.50
Triodin, IE.P. - Transverse incision of the anterior abdominal wall and section of the striated muscles of the abdomen in Wertheim's operation and other gynecological surgery p.52
Shkol'nyi, N.K. - Use of 10% anesthesin-alcohol for anesthesia in artificial abortion surgery p 54
Sythovs'kyi, M.B. - Congenital fistula between the rectum and vestibule of the vagina in case of a normal anus p.55.
Petrenko, Z.G. - Problem of the management of labor with a dead fetus. p 57.
Kir'iakulov, G.S. - Anatomico roentgenological characteristics of anastomosis of the human umbilical arteries p.59
Kaio, B. - Preventive and therapeutic exercises in the pathology of pregnancy p.62
(DNLM)

c NEUROLOGY & PSYCHIATRY

*ZHURNAL VYSSHEI NERVNOI DEIATEL'NOSTI [JOURNAL OF THE HIGHER NERVOUS FUNCTION]. Published by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 13, no. 2, Mar. - Apr. 1963

Table of contents translated

Voronin, L.G., Gusel'nikov, V.I. - Phylogeny of internal mechanisms of analytical and synthetic activity of the brain p.193.
Vinogradova, O.S., Lindsley, D.F. - Extinction of reactions to sensory stimuli in a single neuron of the visual cortex in an unanesthetized rabbit. p.207.
Airapetiants, E.Sh., Pogrebkova, A.V. - Respiratory analyzor. p.218
And'ian, L., Grasht'ian, E., Sakhiulina, G.T. - Formation of conditioned avoidance reflex to stimulation of the "recruiting" system used as a conditioned stimulus. p.228.
Nezlina, N.I., Wang T'ai-An. - Changes in the electrical activity of the cerebral cortex during the formation of a conditioned reflex in monkeys. p.235.
Mateev, D. - Current viewpoints on the reticular formation and central encephalic system p.243.
Chuprikova, N.I. - Physiological effect of verbal stimuli during "establishment of attitudes" to react quickly or correctly. p.255.
Zakher, IU.IA. - Conditioned reflexes to relative and absolute characteristics of stimuli under conditions of their simultaneous and successive presentation in monkeys. p.261.
IAkovleva, E.A. - Mechanism of the effect of aminazine on the central nervous system. p.267.
Kucherenko, T.M., TSobkallo, G.I. - Changes in higher nervous activity caused by p-aminobenzoic acid and novocaine during the administration of sulfanilamide. p.276.
Kononenko, V.S. - Cholinesterase activity in cortical points of the cerebral hemispheres during the establishment of unilateral conditioned reflexes. p.280.
Syrenskii, V.I. - Disorders of higher nervous activity under conditions of unrestrained motor activity of the animal. p.286.
Beleleva, T.G. - Induced potentials of the optic chiasm in rabbits during stimulation of the eye *with a single light flash.* p.291.
Polianskii, V.B. - Distribution of induced potentials in the cerebral cortex of rabbits under the influence of light stimuli of various brightness. p.301.
Kaliuzhnyi, L.V. - Nature of the influence of noradrenaline on conditioned reflex activity during direct introduction into the brain. p.309.
Markov, Kh.M. - Changes in the spontaneous bioelectrical activity of the brain during serum sensitization. p.316.
Alekseeva, M.S., Fedorov, V.K. - Restoration of a previously elaborated stereotype in rats with various mobility of neural processes. p.326.
Al'tman, IA.A., Iontov, A.S. - Relations between some zones of the auditory cortex. p.330.
Pilipenko, V.I. - Evolutionary principle in the study of general rules of the structural organization of the central nervous system. p.338.
Razumova, I.L. - Comparative study of functional and morphological changes under the action of DL-cycloserine on the central nervous system of white rats. p.352.
Kokorina, E.P. - Methodology of evaluating the properties of basic nervous processes in determining the type of higher nervous activity in animals by conditioned motor food reflexes. p.361.
Mikoliukov, G.P., Lepeshkin, V.V. - Device for determining the discriminable frequency of light flashes. p 371.
Dmitrieva, N.V. - Simple rapid method for chronic implantation of electrodes into small laboratory animals. p 373
Naumova, T.S., Stankevich, I.A. - Review of the book "Reticular formation of the brain" [translated from the English]. p.375.
Traugott, N.N., Balonov, L.IA. - Review of the book "Neurophysiological studies in neuropsychic diseases." p.383.

d OPHTHALMOLOGY & OTORHINOLARYNGOLOGY

MOSCOW. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GLAZNYKH BOLEZNEI. Uchenye zapiski [STATE SCIENTIFIC RESEARCH INSTITUTE OF EYE DISEASES. Studies]. No. 8, 1963. Kataraktv [Cataracts].

Table of contents translated

Roslavtsev, A.V. - Preface p.3
Fradkin, M.IA., and others. - Biochemical principles and the differential diagnosis of primary cataracts. p.7.
Roslavtsev, A.V. - Investigating the vision of patients before the extraction of cataracts. p.13.
Smol'laninova, V.L., Bogoslavskii, A.I., Garkavi, R.A. - Comparative evaluation of different methods of investigating the functional state of the visual analysor in cataracts p.17
Gundorova, R.A. - Study of the crystalline lens in infrared light p.40
Vainshtein, E.S. - X-ray diagnosis of foreign bodies in the crystalline lens. p 44
Saksonova, E.O. - Changes in the crystalline lens in experimental atherosclerosis p.49
Petropavlovskaia, G.A. - Cataract following experimental hemorrhage into the vitreous body. p.55.
Lutsker, L.S. - State of the crystalline lens in persons working in an area of ionizing radiation. p.62.
Lutskei, L.S. - Changes in the crystalline lens during radiotherapy of hemangiomata of the face. p.71
Zubareva, T.V. - Senile cataract in primary glaucoma. p.80.
Fradkin, M.IA., and others. - Conservative treatment of initial cataracts. p.84.
Shulaeva, V.I., Mirsaova, R.G. - Results of the use of cysteine in the treatment of cataracts. p.91.
Svistukhina, Z.V. - Cysteine in the treatment of cataracts. p.96.
Saksonova, E.O. - Study of the effectiveness of fonurit for the prevention of hemorrhages in the anterior chamber following a cataract extraction. p.101.
Aleksandrovich, E.V. - Method of conservative treatment in senile cataract. p.107.
Saksonova, E.O., Petropavlovskaia, G.A., Koptsiovskaia, R.S. - Use of andaxin in cataract extraction. p.109.
Gundorova, R.A., and others. - Contemporary methods of treating traumatic cataracts. p.113.
Gundorova, R.A., and others. - Use of various means of removing the crystalline lens in the intracapsular extraction of a cataract. p.119.
Khvatova, A.V. - Results of cataract extractions in students of schools for blind and weak-sighted children. p.128.
Smirnov, I.V. - Intracapsular extraction of the crystalline lens with the use of α-chymotrypsin. p.136.
Dmitrovskaia, I.P. - Results of the operative treatment of congenital cataracts. p.139.
Mogilevskaia, F.IA. - Further observations on the results of the use of cataract extraction combined with iridencleisis in glaucoma patients. p.143.
Klykova, A.L. - Intracapsular extraction of a cataract in glaucoma. p.149.
Vysotskaia-Gudkova, L.S. - Cataract extraction in an eye with primary glaucoma. p.154.
Mitkokh, D.I. - Outcomes of cataract extractions according to data of the Helmholtz State Scientific Research Institute of Eye Diseases for 1959-1961. p.158.
Krasnov, M.M., Petropavlovskaia, G.A., Khvatova, A.V. - Experimental study of the reaction of a rabbit's eye to the implantation in the anterior chamber of an artificial crystalline lens made of glass or plastic. p.163.
Purshev, F.I. - Late results of implantation in the eye of an artificial crystalline lens made of plastic. p.171.
Orlova, E.M., Shkatova, A.F., - Correction of monocular aphakia with contact lenses p.173.
IAnchevskaia, V.N. - Correction of astigmatism in aphakia. p.181.
Bunin, A.IA., and others. - New indicator of intraocular pressure and the results of its use. p 189
Zubareva, T.V. - Effectiveness of dispensary service for glaucoma patients according to data of a district polyclinic in Moscow. p 194
Mitkokh, D.I. - Results of objective peri'metry in pathology of the optic nerve and central parts of the retina p.201.
Mitkokh, D.I. - Case of congenital syphilis with atypical changes in the fundus oculi. p 209
Mogilevskaia, F.IA. - Results of 700 trabeculo-HMP operations in V.P. Filatov's modification. p 214
Suprun, A.V. - Sanatorium and health-resort treatment of patients with primary glaucoma p 226
Suprun, A.V. - Results of sanatorium and health-resort treatment of patients with primary glaucoma p.239.
Avetisov, E.S., Kagan, V.E. - Photographic method of investigating and registering visual fixation in *amblyopia.* p 244.
Kagan, V.E. - Measurement of interpupillary distance in strabismus with incorrect fixation. p 248.
(DNLM)

VESTNIK OTORINOLARINGOLOGII [REVIEW OF OTORHINOLARINGOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, no. 1, 1963

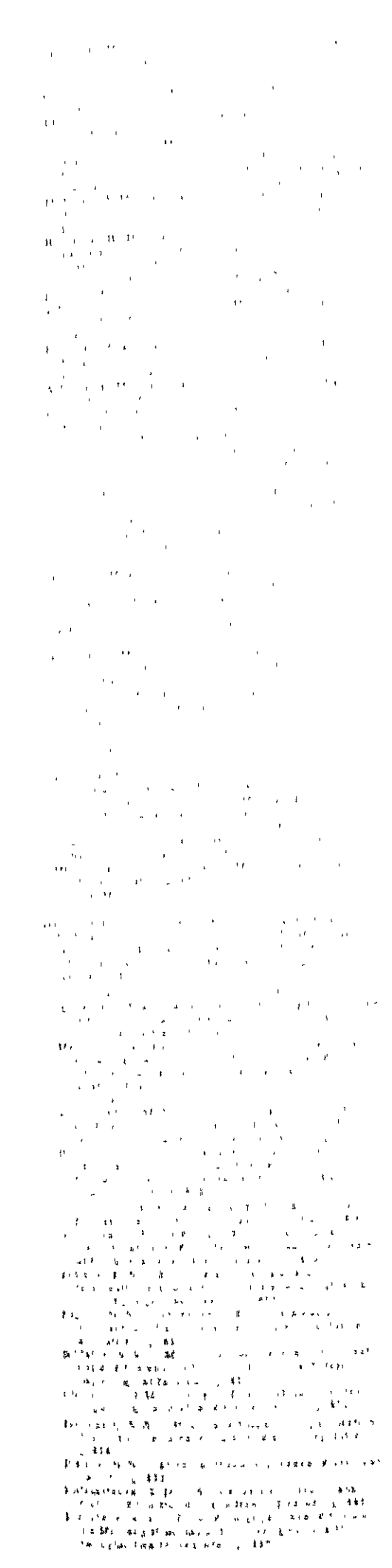
Table of contents translated

Preobrazhenskii, B.S. - Vegetoneurotic (vasomotor) and allergic disorders of various parts of the upper respiratory tract. p.3.
Bogomil'skii, M.R. - Cytological picture of nasal secretion in the diagnosis of allergy in chronic highmoritis. p 13.
Komendantov, G.L., Kopanev, V.I. - Current views on the genesis of motion sickness p. 18.
Angelushev, Zh.D. - Etiology and pathogenesis of otosclerosis. p. 24.
Sushcheva, G.P. - Cochleovestibular disorders in vascular diseases of the brain. p. 26.
Markova, K.P. - Analysis of the causes of failure in tympanoplasty in chronic purulent otitis media p.31.
Fotin, A.V. - Cytohistological shifts in polypous granulation tissue of the middle ear following X-ray irradiation. p. 35.
Broide, V.B. - Use of hydrocortisone ointment in some dermatoses of the external ear. p 40.
Daniiak, L.B. - Vascular reactivity in patients with vasomotor rhinitis. p. 42.
Mazovetskii, E.N. - Use of transluminometry in the diagnosis of highmoritis. p 50.
Inochentsi-Larionova, T.I. - Innervation of the palatine tonsil in man in connection with the age related *characteristics of its structure.* p. 55.
Bussel', L.G., and others. - Diphtheria carriers with chronic tonsillitis. p. 60.
Onanova, M.A. - Changes in the migration of white blood cells from the oropharyngeal mucosa in disorders of secretory activity of the stomach. p 64
Fishzon-Ryss, IU.I., Gal'perin, IU.B. - Interrelations between chronic tonsillitis and chronic gastritis. p. 70.
Kimi, I. - Classification of spastic aphonias. p. 74
Chernlakova, T.A. - Postradiation changes in X-ray therapy of patients with cancer of the larynx p. 78.
Vasil'ev, N.A. - Median and lateral cysts and fistulas of the neck. p. 82.
Kisilevskii, E.I. - Melanoma of the external and middle ear in a 5-year-old child. p. 89.
TSypin, M.IA. - Rare case of diastasis of the nasal *bones.* p. 90.
Usol'tsev, V.N. - Osteoma of the frontal sinuses. p. 92.
Rainer, N.L. - Sarcoidosis of the nose and pharynx (Besnier-Boeck-Schaumann disease). p. 93.
Dunaivitser, B.I. - Multiple lesions of the cerebrocranial nerves in malignant tumors of the *nasopharynx in children.* p. 95.
Polonskaia, IU.S. - Recovery of a patient with lymphosarcoma of the tonsils due to a compound method of treatment. p. 97.
Klimniuk, I.G. - Prolonged retention of a foreign *body in the esophagus.* p. 98.
In memoriam Professor Semen Fedorovich Lotnik. p. 123.
In memoriam Professor Mark Saulovich Rozenblat. p. 124.
(DNLM)

e PATHOLOGY & THERAPEUTICS

REFERATIVNYI ZHURNAL: OBSHCHIE VOPROSY PATOLOGII. ONKOLOGIIA (Otdel'nyi vypusk 53) [JOURNAL OF ABSTRACTS: GENERAL PROBLEMS OF PATHOLOGY. ONCOLOGY (Separate Issue 53)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, Oct. 1963.

TERAPEVTICHESKII ARKHIV [THERAPEUTIC ARCHIVES]. Published by Ministerstvo zdravookhrane-



Sviesbnikova, O.S - Differential diagnosis of Werlhof's disease and aplastic anemia in children p 21

B 14b-14c Dalets'ka, L.P. - Various aspects of the clinical picture and pathogenesis of Botkin's disease in children p.23

Grinberg, R.M. - Age related characteristics of morbidity in children of preschool age p 26

Baksheiev, M.S , and others - State and basic problems in obstetrical and gynecological services in a rural area of the Ukraine p.33

Volokh, D.M - Psychoprophylactic preparation of gravidas for labor in rural obstetrical institutions of Poltava Province, p.38.

Babukhadiia, V.I - Problems in the organization of obstetrical and gynecological services in rural areas p 40.

Kvashenko, B.K. - Cancer prevention in a rural location of Rovno Province p 43

Zhupanenko, T.L - Treatment of late toxemias in pregnancy with hexonium combined with reserpine. p 44.

Sozans'kyi, O.M. - Characteristics of the biochemical composition and crystallization of the amniochorionic fluid. p. 16

Malykhina, R.I. - Single-stage method of colpopoiesis using the sigmoid colon p 50

Trnodin, IE.P - Transverse incision of the anterior abdominal wall and section of the striated muscles of the abdomen in Wertheim's operation and other gynecological surgery. p.52.

Shkol'nyi, N.K - Use of 10% anesthesin-alcohol for anesthesia in artificial abortion surgery. p 54

Sytkovs'kyi, M.B. - Congenital fistula between the rectum and vestibule of the vagina in case of anomal anus. p 55.

Petrenko, Z.G. - Problem of the management of labor with a dead fetus. p 57.

Kir'iakulov, G.S. - Anatomico roentgenological characteristics of anastomosis of the human umbilical arteries p.59

Kalo, B - Preventive and therapeutic exercises in the pathology of pregnancy. p 62.
(DNLM)

c NEUROLOGY & PSYCHIATRY

•ZHURNAL VYSSHEI NERVNOI DEIATEL'NOSTI [JOURNAL OF THE HIGHER NERVOUS FUNCTION]. Published by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, vol. 13, no. 2, Mar.-Apr. 1963.

Table of contents translated:

Voronin, L.G., Gusel'nikov, V.I. - Phylogeny of internal mechanisms of analytical and synthetic activity of the brain. p.193.

Vinogradova, O.S., Lindsley, D.F. - Extinction of reactions to sensory stimuli in a single neuron of the visual cortex in an unanesthetized rabbit. p 207.

Anapetiants, E.Sh., Pogrebkova, A.V. - Respiratory analyzer. p.218.

Andi'ian, L., Grasht'ian, E., Sakhiulina, G.T. - Formation of conditioned avoidance reflex to stimulation of the "recruiting" system used as a conditioned stimulus. p.228.

Nezlina, N.I., Wang T'ai-An. - Changes in the electrical activity of the cerebral cortex during the formation of a conditioned reflex in monkeys. p.235.

Mateev, D. - Current viewpoints on the reticular formation and central encephalic system. p.243.

Chuprikova, N.I. - Physiological effect of verbal stimuli during "establishment of attitudes" to react quickly or correctly. p 255.

Zakher, IU.IA. - Conditioned reflexes to relative and absolute characteristics of stimuli under conditions of their simultaneous and successive presentation in monkeys. p.261.

IAkovleva, E.A. - Mechanism of the effect of aminazine on the central nervous system. p.267.

Kucherenko, T.M., TSobkalo, G.I. - Changes in higher nervous activity caused by p-aminobenzoic acid and novocaine during the administration of sulfanilamide. p.276

Kononenko, V.S. - Cholinesterase activity in cortical points of the cerebral hemispheres during the establishment of unilateral conditioned reflexes. p.280.

Syronskii, V.I. - Disorders of higher nervous activity under conditions of unrestrained motor activity of the animal. p.286.

Beteleva, T.G. - Induced potentials of the optic chiasm in rabbits during stimulation of the eye with a single light flash. p.291.

Polianskii, V.B. - Distribution of induced potentials in the cerebral cortex of rabbits under the influence of light stimuli of various brightness. p.301.

Kaliuzhnyi, L.V. - Nature of the influence of noradrenaline on conditioned reflex activity during direct introduction into the brain. p.309.

Markov, Kh.M. - Changes in the spontaneous bioelectrical activity of the brain during serum sensitization. p.316.

Alekseeva, M.S., Fedorov, V.K. - Restoration of a previously elaborated stereotype in rats with various mobility of neural processes. p.326.

Al'tman, IA.A., Iontov, A.S. - Relations between some zones of the auditory cortex. p.330.

Pilipenko, V.I. - Evolutionary principle in the study of general rules of the structural organization of the central nervous system. p.338

Razumova, I.L. - Comparative study of functional and morphological changes under the action of DL-cycloserine on the central nervous system of white rats. p 352.

Kokorina, E.P. - Methodology of evaluating the properties of basic nervous processes in determining the type of higher nervous activity in animals by conditioned motor food reflexes p.361

Mirolubov, G.P., Lepeshkin, V.V. - Device for determining the discriminable frequency of light flashes. p.371.

Dmitrieva, N.V. - Simple rapid method for chronic implantation of electrodes into small laboratory animals. p 373.

Naumova, T.S , Stankevich, L.A. - Review of the book "Reticular formation of the brain" [translated from the English]. p 375.

Traugott, N.N., Balonov, L.IA - Review of the book "Neurophysiological studies in neuropsychic diseases." p.383

d OPHTHALMOLOGY & OTORHINOLARYNGOLOGY

MOSCOW. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GLAZNYKH BOLEZNEI Uchenye zapiski [STATE SCIENTIFIC RESEARCH INSTITUTE OF EYE DISEASES. Studies]. No. 8, 1963. Kataraky [Cataracts].

Table of contents translated

Roslavtsev, A.V. - Preface. p 3.

Fradkin, M.IA., and others. - Biochemical principles and the differential diagnosis of primary cataracts p 7.

Roslavtsev, A.V. - Investigating the vision of patients before the extraction of cataracts p.13.

Smol'ianinova, V.L , Bogoslavskii, A.I., Garkavi, R.A. - Comparative evaluation of different methods of investigating the functional state of the visual analyser in cataracts. p.17.

Gundorova, R.A - Study of the crystalline lens in infrared light p.40

Vainshtein, E.S. - X-ray diagnosis of foreign bodies in the crystalline lens. p.44.

Saksonova, E.O. - Changes in the crystalline lens in experimental atherosclerosis. p.49.

Petropavlovskaia, G.A. - Cataract following experimental hemorrhage into the vitreous body. p.55.

Lutaker, L.S. - State of the crystalline lens in persons working in an area of ionizing radiation. p.62.

Lutaker, L.S. - Changes in the crystalline lens during radiotherapy of hemangiomata of the face. p.71

Zubareva, T.V. - Senile cataract in primary glaucoma. p.80.

Fradkin, M.IA., and others. - Conservative treatment of initial cataracts. p.84

Shulaeva, V.I., Mirsaeva, R.G. - Results of the use of cysteine in the treatment of cataracts. p.91.

Svistukhina, Z.V. - Cysteine in the treatment of cataracts. p 96.

Saksonova, E.O - Study of the effectiveness of fomurit for the prevention of hemorrhages in the anterior chamber following a cataract extraction. p.101.

Aleksandrovich, E.V. - Method of conservative treatment in senile cataract. p.107.

Saksonova, E.O., Petropavlovskaia, G.A., Koptslovskaia, R.S. - Use of andaxin in cataract extraction. p 109.

Gundorova, R.A., and others. - Contemporary methods of treating traumatic cataracts. p.113.

Gundorova, R.A., and others. - Use of various means of removing the crystalline lens in the intracapsular extraction of a cataract. p.119.

Khvatova, A.V. - Results of cataract extractions in students of schools for blind and weak-sighted children. p.128.

Smirnov, I.V. - Intracapsular extraction of the crystalline lens with the use of α-chymotrypsin. p.136.

Dmitrovskaia, I.P. - Results of the operative treatment of congenital cataracts. p.139.

Mogilevskaia, F.IA. - Further observations on the results of the use of cataract extraction combined with iridencleisis in glaucoma patients. p.143.

Klykova, A.L. - Intracapsular extraction of a cataract in glaucoma. p.149.

Vysotskaia-Gudkova, L.S. - Cataract extraction in an eye with primary glaucoma. p.154.

Mitkokh, D.I. - Outcomes of cataract extractions according to data of the Helmholtz State Scientific Research Institute of Eye Diseases for 1959-1961. p.158.

Krasnov, M.M., Petropavlovskaia, G.A., Khvatova, A.V. - Experimental study of the reaction of a rabbit's eye to the implantation in the anterior chamber of an artificial crystalline lens made of glass or plastic. p.163.

Purshev, F.I. - Late results of implantation in the eye of an artificial crystalline lens made of plastic. p.171.

Orlova, E.M., Shkatova, A.F., - Correction of monocular aphakia with contact lenses. p.173.

IAnchevskaia, V.N. - Correction of astigmatism in aphakia. p.181.

Bunin, A.IA , and others. - New indicator of intraocular pressure and the results of its use p 189

Zubareva, T.V - Effectiveness of dispensary service for glaucoma patients according to data of a district polyclinic in Moscow. p.194.

Mitkokh, D.I - Results of objective perimetry in pathology of the optic nerve and central parts of the retina. p 201.

Mitkokh, D.I. - Case of congenital syphilis with atypical changes in the fundus oculi. p.209

Mogilevskaia, F.IA. - Results of 700 Lagrange-Hofer operations in V.P Filatov's modification p.214.

Suprun, A.V. - Sanatorium and health-resort treatment of patients with primary glaucoma. p.228

Suprun, A.V. - Results of sanatorium and health-resort treatment of patients with primary glaucoma p 239

Avetisov, E.S , Kagan, V.E. - Photographic method of investigating and registering visual fixation in amblyopia. p.244.

Kagan, V.E. - Measurement of interpupillary distance in strabismus with incorrect fixation. p.248
(DNLM)

VESTNIK OTORINOLARINGOLOGII [REVIEW OF OTORHINOLARINGOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, no. 1, 1963.

Table of contents translated

Preobrazhenskii, B.S. - Vegetoneurotic (vasomotor) and allergic disorders of various parts of the upper respiratory tract. p. 3.

Bogomil'skii, M.R. - Cytological picture of nasal secretion in the diagnosis of allergy in chronic highmoritis. p. 13.

Komendantov, G.L , Kopanev, V.I - Current views on the genesis of motion sickness. p. 18.

Angelushev, Zh.D. - Etiology and pathogenesis of otosclerosis. p. 24.

Sushchevn, G.P. - Cochleovestibular disorders in vascular diseases of the brain. p. 26.

Markova, K.P. - Analysis of the causes of failure in tympanoplasty in chronic purulent otitis media p. 31.

Fotin, A.V. - Cytohistological shifts in polypous granulation tissue of the middle ear following X-ray irradiation. p. 35.

Broide, V.B - Use of hydrocortisone ointment in some dermatoses of the external ear. p. 40.

Dainiak, L.B. - Vascular reactivity in patients with vasomotor rhinitis. p. 42.

Mazovetskii, E.N. - Use of transluminomelry in the diagnosis of highmoritis. p. 50.

Inochentsi-Larionova, T.I. - Innervation of the palatine tonsil in man in connection with the age related characteristics of its structure. p. 56

Bussel', L.G., and others. - Diptheria carriers with chronic tonsillitis. p. 60.

Onanova, M.A. - Changes in the migration of white blood cells from the oropharyngeal mucosa in disorders of secretory activity of the stomach. p. 64

Fishzon-Ryss, IU.I., Gal'perin, IU.B. - Interrelations between chronic tonsillitis and chronic gastritis. p. 70.

Kimi, I. - Classification of spastic aphonias. p. 74.

Chernlakova, T.A. - Postradiation changes in X-ray therapy of patients with cancer of the larynx. p. 78.

Vasil'ev, N.A. - Median and lateral cysts and fistulas of the neck. p. 82.

Kisilevskii, E.I. - Melanoma of the external and middle ear in a 5-year-old child. p. 86.

TSypin, M.IA. - Rare case of diastasis of the nasal bones. p. 90.

Usol'tsev, V.N. - Osteoma of the frontal sinuses. p. 92.

Rainer, N.L. - Sarcoidosis of the nose and pharynx (Besnier-Boeck-Schaumann disease). p. 93.

Dunaivitser, B.I. - Multiple lesions of the cerebrocranial nerves in malignant tumors of the nasopharynx in children. p. 95.

Polonskaia, IU.S. - Recovery of a patient with lymphosarcoma of the tonsils due to a compound method of treatment. p. 97.

Klimniuk, I.G. - Prolonged retention of a foreign body in the esophagus. p. 98.

In memoriam Professor Semen Fedorovich Letnik. p. 123.

In memoriam Professor Mark Saulovich Rozenblat. p. 124.
(DNLM)

e PATHOLOGY & THERAPEUTICS

REFERATIVNYI ZHURNAL: OBSHCHIE VOPROSY PATOLOGII. ONKOLOGIIA (Otdel'nyi vypusk 53) [JOURNAL OF ABSTRACTS: GENERAL PROBLEMS OF PATHOLOGY. ONCOLOGY (Separate Issue 53)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, Oct. 1963.

TERAPEVTICHESKII ARKHIV [THERAPEUTIC ARCHIVES]. Published by Ministerstvo zdravookhrane-

nila SSSR [Ministry of Health of the U.S.S.R.] Moscow, vol. 35, no. 1, Jan. 1963

Table of contents translated

Genes, S.G. - State of the adrenal cortex in diabetes mellitus. p. 3.

Utkin, V.V. - Cycloserine in the treatment of pulmonary tuberculosis p 12

Koval'chuk, A.A., Malov, V.V. - Function of the adrenal cortex in simultaneous siderosilicosis and tuberculosis before and during treatment with prednisolone and antibacterial preparations p. 19

IArtseva, A.M. - Chronic hepatitis following Botkin's disease and their treatment with prednisolone. p. 23.

Romanov, IU.D., Sverdlov, B.D. - Infrared photography as a method of detection of the deep collateral vessels of the anterior abdominal wall in disorders of portal circulation. p. 30.

Loginov, A.S. - Photolaparoscopy. p. 34.

Tatarinov, IU.S., Nogaller, A.M. - Immunological characteristics of serum proteins in acute and chronic cholecystitis. p. 37.

Kulakova, E.P. - Exocrine and endocrine function of the pancreas in chronic diseases of the liver and bile ducts. p. 43

Astapov, B.M. - Use of diagnostic pneumoperitoneum in a therapeutic clinic. p. 50

Valuk, V.A. - Evening examination of gastric secretion. p. 56.

Salupere, V. - Relation of histological changes in the gastric stump to the secretion of hydrochloric acid and mucopepsin in the late postresection period. p. 59.

Saakian, A.G., Nanaziashvili, I.S. - Rectal interoceptors and their significance in the act of defecation in chronic colitis p. 65.

Smolianskii, B.L. - Effect of ascorbic acid on the functional state of the adrenal cortex in elderly persons. p. 71.

Vogralik, M.V. - Technique of double stimulation in electroencephalography as a method to evaluate the reactivity of the central nervous system in man. p. 78.

Trofimov, G.A. - Changes in the function of the thyroid gland in burn disease p. 84.

Pinchuk, V.M. - Characteristics of burn disease in elderly persons according to data of pathoanatomical autopsies p. 89.

Zal'tsman, Z.A., Kuleshova, N.N. - Importance of prophylactic methods of treatment for the prevention of rheumatic relapses and development of heart defects. p. 94

Troshin, V.D. - Serous meningitis in infectious nonspecific polyarthritis. p. 99.

Fedotova, E.A., Sorkin, E.E. - Pulmonary arteriovenous aneurysms in Rendu-Osler disease. p 100.

Grashchenkov, N.I., Gekht, B.M. - Problems with regard to lesions of the nervous system during metabolic disorders and diseases of the liver according to data of the Seventh International Neurological Congress in Rome. p. 105.

Minutes of the meetings of the Moscow Society of Therapeutists. p. 112.

(DNLM)

VOPROSY KURORTOLOGII, FIZIOTERAPII I LECHEBNOI FIZICHESKOI KUL'TURY [PROBLEMS OF RESORT THERAPY, PHYSICAL THERAPY, AND EXERCISE THERAPY], Moscow, vol. 27, no. 5, Sep.-Oct. 1962.

Table of contents translated.

Speranskii, A.P. - Physicobalneotherapy for diseases of the peripheral nervous system (radiculitis, radiculoneuritis and polyradiculitis). p. 395.

Mydlik, T., Liska, S., Weiser, L. - Use of a new kinesiological indicator in the evaluation of the effectiveness of some methods of health resort treatment of patients with the lumbar ischialgic syndrome. p. 393.

TSetskhladze, M.IA. - Treatment of patients suffering from lumbosacral radiculitis with baths from Sukhumi mineral water (borehole No. 1). p. 397.

Renne, T.F. - Results of treating patients with diseases of the peripheral section of the nervous system with bromo-iodine water at the Ust'-Kachka Health Resort. p. 401.

Chilingarian, R.A., Kulikova, E.T. - Peat therapy for patients with lumbosacral radiculitis. p. 406.

Semenova, K.A., Dotsenko, E.S. - Results of compound treatment of children with spastic paralysis at the Yevpatoriya Health Resort. p. 409.

Fetisov, K.A. - Effect of applications of silt muds from saline lakes on the functional restoration of injured peripheral nerves. p. 413.

Kaplun, N.A., and others. - Effect of a galvanic current on the inflammation focus, experimental examination. p. 417.

Soldatov, V.V. - Morphological changes in the mast cells of the skin under the influence of different balneological factors. p. 420.

Chubinskii, S.M. - Synoptic front and its importance in pathological states of the organism. p. 428.

Leporskii, A.A. - Results of therapeutic gymnastics during the convalescent stage of acute nephritis. p. 434.

Popkov, N.N. - Physical therapy in cases of ureteral calculi. p. 438.

Kudriavtseva, T.B. - Air ionization in the emanatorium of the Belokurikha Health Resort. p. 441.

Pirozhkov, V.V. - Role of the physicians of the Tiflis Military Hospital in the development of the Georgian health resorts. p. 445.

Novinskii, G.D. - History of the preparation of artificial mineral waters in Russia. p. 447.

Tuzbaia, G.P. - Therapeutic properties of TSaishi mineral waters. p. 449.

Konstantinova, V.A. - Ultraviolet therapy of hordeolum. p. 450.

IAsnogorodskii, V.G. - Apparatus for microwave therapy. p. 451.

Kipiani, T.I. - Unsolved problems of the physiological effect of mineral waters on the digestive organs and their importance for clinical practice. p. 453.

Bakuradze, A.N. - Concerning E.I. Luchnikova's article "Critical evaluation of the methods used in the study of the effect of mineral waters on the secretory function of the digestive glands." p. 458.

Vasilenko, IU.K. - Concerning the article "On the methods of study of the effect of mineral waters on the secretory function of the digestive glands" by E.I. Luchnikova. p. 461.

Kishko, A.M. - Infectious hepatitis patients must be completely cured; letter to the editors p. 462.

Brodelzon, B.M. - "Essays on the history of mud treatment in Odessa" by M.S. Belen'kii. p. 463.

Dikovskii, A.M. - "Health resorts, sanatoriums and rest homes in Siberia" by A.S. Shmitkova. p. 464.

Buiuklian, A.A. - "Sochi, the all-Union health resort" by M.M. Shikhova. p. 466.

I.A. Piontkovskii. p. 468.

On the sixtieth birthday of E.D. Zabludovskaia. p. 469.

Scientific and Practical Conference on Physicians of the Health Resorts and Sanatoriums of the Urals, Siberia and the Far East. p. 469.

Conference on the provincial physiotherapeutists of the Ukrainian S.S.R. p. 473.

Scientific and Practical Conference at the Dzhermuk Health Resort. p. 475.

Plenum of the All-Union Scientific Medical Society on Medical Control and Exercise Therapy. p. 477.

Coordination Commission for the Internal Use of Mineral Water. p. 478.

(DNLM)

Vol. 28, no 2, Mar.-Apr. 1963

Table of contents translated

Kaplun, N.A., Obrosov, A.N. - Combined and consecutive use of physiotherapeutic effects. p. 97

Bedalova, S.M. - Basal metabolism in mountains at medium altitudes p. 105.

Kanavets, L.N., and others. - Effect of climatic factors on some vegetative reflexes in patients with neurasthenia under the accustomed conditions of the central belt p 108.

Leibovich, M.B. - Results of organizing climatotherapy in the "Golubaya Gorka" Sanatorium. p. 115

Savchuk, L.N. - Therapeutic and prophylactic importance of parks and gardens. p 118.

Lakhno, E.S., Nichkevich, O.N., Sverchkov, A.N. - Ionization of the air in a forest of the Kiev suburban resort zone Report No. 1. p. 123.

Sverchkov, A.N., Lakhno, E.S. - Ionization of the air in the forests of the Kiev suburban resort zone, Report No. 2. p. 126.

Speranskii, N.I., and others. - Result of using aerosol therapy in hypertension and stenocardia p. 130.

Egorov, A.D., Ogleznev, V.V., Terent'ev, V.G. - Effect of moderately increased doses of positive aerosols on the organism of a healthy person, preliminary report. p. 135.

Shushakov, A.P. - Dosimetry of ion treatment. p. 137.

Amirkhanova, R.G. - Biological evaluation of ultraviolet solar radiation in a large city (erythemic effect). p. 139

Golemba, P.I. - Zonal ultraviolet irradiation in some dermatoses. p. 143.

Fiveiskaia, A.A. - Importance of focal infection in the gallbladder and the biliary ducts in patients with infectious nonspecific polyarthritis in fangotherapy. p. 147.

Syrovechkovskaia, M.N. - Hydrogen sulfide baths in compound treatment of patients with infectious nonspecific polyarthritis p. 152.

Ivanenkova, E.D. - Therapeutic gymnastics in lesions of the upper extremities following poliomyelitis. p. 158.

Gershkovich, P.N., Tregubovich, A.D. - Prophylaxis and treatment of contractures of the shoulder joint in an algetic syndrome by means of gymnastics. p. 164.

Vasil'ev, K.G. - Fundamental stages of the development of health resorts and matters pertaining to health resorts in Latvia in the 18th and 19th centuries. p. 166.

Gronzik, S.S. - Method of determining the supporting capacity of the lower extremity. p. 170.

Lanitskii, F.G. - Case of complete restoration of functions in poliomyelitis. p. 171.

Finogenov, S.N. - E.A. Cherniavskii's physicochemical conception of atmospheric ionization. p. 173.

Kaliko, I.M., Burmashov, I.G. - Method of induction thermophoresis. p. 175.

Farfenov, A.P. - Letter to the editor. p. 176.

Minkh, A.A. - "Therapeutic properties of ionized air" by S.N. Finogenov. p. 177.

Sokol'nikov, O.I. - "Therapeutic physical culture in a clinic for internal diseases" by V.N. Moshkov. p. 178.

Postnikova, V.M. - "Result of treatment and prophylaxis of deformities of the spine in children" by A.A. Pod"iapol'skaia, A.V. Uvarova. p. 179.

Vasilenko, IU.K. - Second All-Russian Conference on Problems of the Therapeutic Use of Radon Waters. p. 180

Boksha, V.G., Zol'nikova, A.I., Trotsenko, S.IA. - All-Union Conference on Experimental Study of Health Resorts and Physical Therapy p. 184

Burchak, N.T. - Miron Zinov'evich Kessel' p. 191.

(DNLM)

*VOPROSY ONKOLOGII [PROBLEMS OF ONCOLOGY], Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.] Moscow, vol 9, no 2, 1963.

Table of contents translated

Petr Andreevich Kupriianov, on his 70th birthday. p. 3.

Kupriianov, P.A., and others - Diagnosis and therapy of paravasal forms of lung cancer p. 6.

Krasnogorov, B.V., Tokuzakov, V.L. - Diagnostic errors in lung cancer. p. 11.

Rukhimovich, G.S., Kiol, IA.M., Bonk, G.M. - Clinical X-ray diagnosis of central lung cancer with retrograde metastases. p. 17.

Sheliukhovskii, V.M. - Indications and contraindications for surgical treatment of lung cancer. 25

Maksimov, I.A., Pirogov, A.I., Khloner, L.I. - Comparative evaluation of pneumonectomy and partial resection in lung cancer. p. 34.

Pletnev, S.D. - Bronchial adenoma and the methods of its treatment p. 41

Baranova, A.G., Chernenskii, IU.V. - Limited organic inflammatory foci and their differential diagnosis in distinguishing them from bronchial cancer. p. 46.

Costachel, O. and others - Intra-arterial administration of large doses of cytostatics under the protection of bone marrow transplantation in advanced cases of cancer. p. 53.

Lavrikova, G.A. - Morphology of teratomas of the mediastinum. p. 60.

Fishzon-Ryss, IU.I., Poroshin-Kleshchuk, K.K. - Dysembryogenetic retroperitoneal tumors. p. 69

Stetsula, V.I. - Histogenesis of adamantinoma of long tubular bones. p. 73.

Bashkaev, I.S., Rozenbaum, G.I. - Study of transplanted Harding-Passey melanoma in the precipitation reaction in gel. p. 83.

Sidorik, E.P., Ilikovskaia, T.N. - Change in the fractional composition of blood proteins in animals with Guerin's carcinoma during the administration of cortisone. p. 88.

IAblonovskaia, L.IA. - Some conditions of transplantability and growth of human glial brain tumors into the anterior chamber of the rabbit eye. p. 92.

Timoshechkina, M.E. - Effect of tissue preparations on the resistance of animals to transplanted tumors. p. 98.

Blestkina, T.G., Tokuzakov, V.L. - Unusual case of esophageal cancer combined with chronic myeloid leukemia. p. 101.

Mishura, V.I. - Three cases of the removal of large benign tumors. p. 103.

Zalubovskii, L.V. - Improved bandages after breast surgery. p. 107.

Strashinin, A.I., Ivanova, L.V. - Radioactive iodine therapy in cancer of the thyroid gland. p. 109.

Liudogovskaia, L.A., Shershul'skaia, L.V. - Use of the method of adsorption on erythrocytes in the study of tumor viruses and specific tumor antigens. p. 118.

(DNLM)

f. PHARMACY & MATERIA MEDICA

AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow, Institut farmakologii i khimioterapii. Uchenye zapiski [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R. Institute of Pharmacology and Chemotherapy. Studies]. Moscow, vol. 3, 1963. Sovremennye problemy farmakologii [Contemporary problems of pharmacology].

Table of contents translated:

Anichkov, S.V., Zavodskaia, I.S., Ruzhenkov, V.E. - Principles of nervism in pharmacotherapy (effect of neurotropic drugs on vegetative reflexes and the trophic processes of the stomach wall). p. 14

Mashkovskii, M.D. - Pharmacological research in the series of indole derivatives p. 24.

Carr, C.J. - Unsolved problems of psychopharmacology. p. 38.

Sinitsin, L.M. - Effect of the morphine group analgesics on induced potentials of the afferent systems of the brain. p. 52.

Kruglov, N.A. - Effect of the morphine group analgesics on central inhibitory processes. p. 65.

Shapovalov, A.I. - Study of the effect of pharmacological substances on the transmission of stimulation in the spinal cord using intracellular microelectrodes. p. 76.

Sangailo, A.K. - Analgesic phase of anesthesia and its significance, clinical pharmacological study. p. 88.

Pershin, G.N., Novitskaia, N.A. - Mechanism of the action of phenerazole. p. 98.

Liubimov, B.I. - Compound use of aminazine antagonists. p. 104.

Riker, W.F., Jr., Standaert, F.G. - Pharmacological aspects of neuromuscular transmission. p. 116.

Arendaruk, A.P., and others. - Chemical and pharmacological research in the series of derivatives

Shteshnikova, O.S. - Differential diagnosis of Werlhof's disease and aplastic anemia in children p.21

B 140-ya Dalets'ka, L.P. - Various aspects of the clinical picture and pathogenesis of Bothin's disease in children. p.23.

Glubberg, R.M. - Age-related characteristics of morbidity in children of preschool age p.28

Bakshcheiev, M.S., and others - State and basic problems in obstetrical and gynecological services in a rural area of the Ukraine. p.33

Volokh, D.M. - Psychoprophylactic preparation of gravidas for labor in rural obstetrical institutions of Poltava Province. p.38

Babukhadiia, V.I. - Problems in the organization of obstetrical and gynecological services in rural areas. p.40

Kvashenko, B.K. - Cancer prevention in a rural location of Rovno Province. p.43.

Zhupanenko, T.I. - Treatment of late toxemias in pregnancy with hexonium combined with rescipine p.44

Sozans'kyi, O.M. - Characteristics of the biochemical composition and crystallization of the amniochorionic fluid p.46.

Malykhina, R.I. - Single-stage method of colpopoiesis using the sigmoid colon p.50

Tiriodin, I.E.P. - Transverse incision of the anterior abdominal wall and section of the striated muscles of the abdomen in Wertheim's operation and other gynecological surgery p.52

Shkol'nyi, N.K. - Use of 10% anesthesin-alcohol for anesthesia in artificial abortion surgery. p.54

Sytkova's'kyi, M.B. - Congenital fistula between the rectum and vestibule of the vagina in case of a normal anus. p.55

Petrenko, Z.G. - Problem of the management of labor with a dead fetus. p.57.

Kir'iakulov, G.S. - Anatomico-roentgenological characteristics of anastomosis of the human umbilical arteries p.59

Kato, B. - Preventive and therapeutic exercises in the pathology of pregnancy p.62.
(DNLM)

c. NEUROLOGY & PSYCHIATRY

*ZHURNAL VYSSHEI NERVNOI DEIATEL'NOSTI [JOURNAL OF THE HIGHER NERVOUS FUNCTION]. Published by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, vol.13, no 2, Mar.-Apr. 1963.

Table of contents translated:

Voronin, L.G., Gusel'nikov, V.I - Phylogeny of internal mechanisms of analytical and synthetic activity of the brain. p.193.

Vinogradova, O.S., Lindsley, D.F. - Extinction of reactions to sensory stimuli in a single neuron of the visual cortex in an unanesthetized rabbit. p.207

Airapetiants, E.Sh., Pogrebkova, A.V - Respiratory analyzer. p.218.

Andlian, L., Grashtlan, E., Sakhiulina, G.T. - Formation of conditioned avoidance reflex to stimulation of the "receiving" system used as a conditioned stimulus. p.228.

Nezlina, N.I., Wang T'ai-An. - Changes in the electrical activity of the cerebral cortex during the formation of a conditioned reflex in monkeys p.235.

Matsev, D. - Current viewpoints on the reticular formation and central encephalic system. p.243.

Chuprikova, N.I. - Physiological effect of verbal stimuli during "establishment of attitudes" to react quickly or correctly. p.255.

Zakher, Iu.IA. - Conditioned reflexes to relative and absolute characteristics of stimuli under conditions of their simultaneous and successive presentation in monkeys. p.261.

IAkovleva, E.A. - Mechanism of the effect of aminacentral nervous system. p.267

M., TSobkallo, G.I. - Changes in activity caused by p-aminobenzoic ine during the administration of p.276.

Cholinesterase activity in cortical cerebral hemispheres during the f unilateral conditioned reflexes.

Disorders of higher nervous activ-tions of unrestrained motor activity p.266.

Induced potentials of the optic ts during stimulation of the eye ht flash. p.281.

Distribution of induced potentials cortex of rabbits under the influmuli of various brightness. p.301.

Nature of the influence of noradrenmed reflex activity during direct the brain. p.309.

Changes in the spontaneous bioelecthe brain during serum sensitiza-

Fedorov, V.K. - Restoration of a rated stereotype in rats with varitoural processes. p.326.

ntov, A.S. - Relations between e auditory cortex. p.330.

Pilipenko, V.I - Evolutionary principle in the study of general rules of the structural organization of the central nervous system. p.339

Razumova, L.L. - Comparative study of functional and morphological changes under the action of DL-cycloserine on the central nervous system of white rats. p.352

Kokorina, E.P. - Methodology of evaluating the properties of basic nervous processes in determining the type of higher nervous activity in animals by conditioned motor food reflexes. p.361.

Miroliubov, G.P., Lepeshkin, V.V. - Device for determining the discriminable frequency of light flashes p.371.

Dmitrieva, N.V. - Simple rapid method for chronic implantation of electrodes into small laboratory animals. p.373.

Naumova, T.S., Stankevich, L.A. - Review of the book "Reticular formation of the brain" [translated from the English]. p.375.

Traugott, N.N., Balonov, L.IA - Review of the book "Neurophysiological studies in neuropsychic diseases." p.383.

d. OPHTHALMOLOGY & OTORHINOLARYNGOLOGY

MOSCOW, GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GLAZNYKH BOLEZNEI. Uchenye zapiski [STATE SCIENTIFIC RESEARCH INSTITUTE OF EYE DISEASES. Studies]. No 8, 1963. Katarakty [Cataracts].

Table of contents translated

Roslavtsev, A.V - Preface p.3

Fradkin, M.IA., and others. - Biochemical principles and the differential diagnosis of primary cataracts. p.7.

Roslavtsev, A.V. - Investigating the vision of patients before the extraction of cataracts. p.13.

Smol'ianinova, V.L., Bogoslavskii, A.L., Garkavi, R.A. - Comparative evaluation of different methods of investigating the functional state of the visual analyzer in cataracts. p.17

Gundorova, R.A. - Study of the crystalline lens in infrared light. p.40.

Valnshtein, E.S. - X-ray diagnosis of foreign bodies in the crystalline lens. p.44.

Saksonova, E.O. - Changes in the crystalline lens in experimental atherosclerosis p.49.

Petropavlovskaia, G.A. - Cataract following experimental hemorrhage into the vitreous body. p.55

Lutsker, L.S. - *State of the crystalline lens in persons working in an area of ionizing radiation.* p.62.

Lutsker, L.S. - Changes in the crystalline lens during radiotherapy of hemangiomata of the face. p.71

Zubareva, T.V - Senile cataract in primary glaucoma. p.89.

Fradkin, M.IA., and others. - Conservative treatment of initial cataracts. p.84.

Shulaeva, V.I., Mirsaeva, R.G. - Results of the use of cysteine in the treatment of cataracts. p.91.

Svistukhina, Z.V. - Cysteine in the treatment of cataracts. p.96.

Saksonova, E.O. - Study of the effectiveness of fomurit for the prevention of hemorrhages in the anterior chamber following a cataract extraction. p.101.

Aleksandrovich, E.V. - Method of conservative treatment in senile cataract. p.107.

Saksonova, E.O., Petropavlovskaia, G.A., Koptsiovskaia, R.S. - Use of andaxin in cataract extraction. p.109.

Gundorova, R.A., and others. - Contemporary methods of treating traumatic cataracts. p.113.

Gundorova, R.A., and others. - Use of various means of removing the crystalline lens in the intracapsular extraction of a cataract. p.119.

Khvatova, A.V. - Results of cataract extractions in students of schools for blind and weak-sighted children. p.126.

Smirnov, I.V. - Intracapsular extraction of the crystalline lens with the use of α-chymotrypsin. p.130.

Dmitrovskaia, I.P. - Results of the operative treatment of congenital cataracts. p.139.

Mogilevskaia, F.IA. - Further observations on the results of the use of catarnet extraction combined with iridencleisis in glaucoma patients. p.143.

Klykova, A.L. - Intracapsular extraction of a cataract in glaucoma. p.149.

Vysotskaia-Gudkova, L.S. - Cataract extraction in an eye with primary glaucoma. p.154.

Mitkokh, D.I. - Outcomes of cataract extractions according to data of the Helmholtz State Scientific Research Institute of Eye Diseases for 1950-1961. p.158

Krasnov, M.M., Petropavlovskaia, G.A., Khvatova, A.V. - Experimental study of the reaction of a rabbit's eye to the implantation in the anterior chamber of an artificial crystalline lens made of glass or plastic. p.163.

Purshev, F.I. - Late results of implantation in the eye of an artificial crystalline lens made of plastic. p.171.

Orlova, E.M., Shkatova, A.F., - Correction of monocular aphakia with contact lenses. p.173.

IAnchevskaia, V.N. - Correction of astigmatism in aphakia. p.181.

Bunin, A.IA., and others - New indication of intraocular pressure and the results of its use. p.187

Zubareva, T.V. - Effectiveness of dispensary service for glaucoma patients according to data of a district polyclinic in Moscow p.194

Mitkokh, D.I. - Results of objective perimetry in pathology of the optic nerve and central parts of the retina. p.201.

Mitkokh, D.I. - Case of congenital syphilis with atypical changes in the fundus oculi. p.209.

Mogilevskaia, F.IA. - Results of 700 Lagrange iridectomy operations in V.P. Filatov's modification p.214

Suprun, A.V. - *Sanatorium and health-resort treatment of patients with primary glaucoma.* p.228

Suprun, A.V. - Results of sanatorium and health-resort treatment of patients with primary glaucoma. *p.239.*

Avetisov, E.S., Kagan, V.E. - Photographic method of investigating and registering visual fixation in *amblyopia* p.244

Kagan, V.E - Measurement of interpupillary distance in strabismus with incorrect fixation. p.248.
(DNLM)

VESTNIK OTORINOLARINGOLOGII [REVIEW OF OTORHINOLARINGOLOGY] Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, no. 1, 1963.

Table of contents translated.

Preobrazhenskii, B.S - Vegetoneurotic (vasomotor) and allergic disorders of various parts of the upper respiratory tract. p.3.

Bogomil'skii, M.R. - Cytological picture of nasal secretion in the diagnosis of allergy in chronic highmoritis p.13

Komendantov, G.L., Kopanev, V.I - Current views on the genesis of motion sickness. p.18

Angelushev, Zh.D. - Etiology and pathogenesis of otosclerosis p.24

Sushcheva, G.P. - Cochleovestibular disorders in vascular diseases of the brain. p.26.

Markova, K.P. - Analysis of the causes of failure in tympanoplasty in chronic purulent otitis media p.31.

Fotin, A.V. - Cytohistological shifts in polypous granulation tissue of the middle ear following X-ray irradiation. p.35.

Broide, V.B. - *Use of hydrocortisone ointment in* acne dermatoses of the external ear p.40.

Dainiak, L.B. - Vascular reactivity in patients with *vasomotor rhinitis. p.42.*

Mazoveiskii, E.N. - Use of transluminometry in the diagnosis of highmoritis p.50.

Invchentsi-Larionova, T.I. - Innervation of the palatine tonsil in man in connection with the age-related characteristics of its structure. p.55

Bussel', L.G., and others. - Diptheria carriers with chronic tonsillitis p.60.

Onanova, M.A. - Changes in the migration of white blood cells from the oropharyngeal mucosa in disorders of secretory activity of the stomach p.65

Fishzon-Ryss, IU.I., Gal'perin, IU.B. - Interrelations between chronic tonsillitis and chronic gastritis. p.70.

Kimi, I. - Classification of spastic aphonias. p.74.

Cherniakova, T.A. - Postradiation changes in X-ray therapy of patients with cancer of the larynx p.78.

Vasil'ev, N.A. - Median and lateral cysts and fistulas of the neck. p.82.

Kiallevskii, E.I. - Melanoma of the external and middle ear in a 5-year-old child. p.89.

TSypin, M.IA. - Rare case of diastasis of the nasal bones. p.90.

Usol'tsev, V.N. - Osteoma of the frontal sinuses p.92.

Rainer, N.L. - Sarcoidosis of the nose and pharynx (Besnier-Boeck-Schaumann disease). p.93.

Dunaivitser, B.I. - Multiple lesions of the cerebrocranial nerves in malignant tumors of the nasopharynx in children. p.95.

Polonskaia, IU.S. - Recovery of a patient with lymphosarcoma of the tonsils due to a compound method of treatment. p.97.

Klimniuk, I.G. - Prolonged retention of a foreign body in the esophagus. p.98.

In memoriam Professor Semen Fedorovich Leinik. p.123.

In memoriam Professor Mark Saulovich Rozenblat. p.124.
(DNLM)

e. PATHOLOGY & THERAPEUTICS

REFERATIVNYI ZHURNAL: OBSHCHIE VOPROSY PATOLOGII. ONKOLOGIIA (Otdel'nyi vypusk 53) [JOURNAL OF ABSTRACTS: GENERAL PROBLEMS OF PATHOLOGY. ONCOLOGY (Separate Issue 53)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 19, Oct. 1963.

TERAPEVTICHESKII ARKHIV [THERAPEUTIC ARCHIVES]. Published by Ministerstvo zdravookhrane-

nita SSSR [Ministry of Health of the U.S.S.R.] Moscow, vol. 35, no. 1, Jan 1963

Table of contents translated

Genes, S.G. - State of the adrenal cortex in diabetes mellitus. p. 3.
Utkin, V.V. - Cycloserine in the treatment of pulmonary tuberculosis. p. 12
Koval'chuk, A.A., Malov, V.V. - Function of the adrenal cortex in simultaneous silicosis-tosis and tuberculosis before and during treatment with prednisolone and antibacterial preparations. p. 19
IAitseva, A.M. - Chronic hepatites following Botkin's disease and their treatment with prednisolone. p. 23.
Romanov, IU.D., Sverdlov, B.D. - Infrared photography as a method of detection of the deep collateral vessels of the anterior abdominal wall in disorders of portal circulation. p. 30.
Loginov, A.S. - Photolaparoscopy. p. 34.
Tatarinov, IU.S., Nogaller, A.M. - Immunological characteristics of serum proteins in acute and chronic cholecystitis. p. 37.
Kulakova, E.P. - Exocrine and endocrine function of the pancreas in chronic diseases of the liver and bile ducts. p. 43
Astapov, B.M. - Use of diagnostic pneumoperitoneum in a therapeutic clinic. p. 50.
Valuk, V.A. - Evening examination of gastric secretion. p. 56
Salupere, V. - Relation of histological changes in the gastric stump to the secretion of hydrochloric acid and unopepsin in the late postresection period. p. 59.
Saakian, A.G., Nanazinshvili, I.S. - Rectal interoceptors and their significance in the act of defecation in chronic colitis. p. 65.
Smolianskii, B.L. - Effect of ascorbic acid on the functional state of the adrenal cortex in elderly persons. p. 71.
Vogralik, M.V. - Technique of double stimulation in electroencephalography as a method to evaluate the reactivity of the central nervous system in man. p. 76.
Trofimov, G.A. - Changes in the function of the thyroid gland in burn disease. p. 84.
Pinchuk, V.M. - Characteristics of burn disease in elderly persons according to data of pathoanatomical autopsies. p. 89.
Zal'tsman, Z.A., Kuteshova, N.N. - Importance of prophylactic methods of treatment for the prevention of rheumatic relapses and development of heart defects. p. 94
Troshin, V.D. - Serous meningitis in infectious nonspecific polyarthritis. p. 99.
Fedotova, E.A., Sorkin, E.E. - Pulmonary arteriovenous aneurysms in Rendu-Osler disease. p. 100.
Grashchenkov, N.I., Gekht, B.M. - Problems with regard to lesions of the nervous system during metabolic disorders and diseases of the liver according to data of the Seventh International Neurological Congress in Rome. p. 105.
Minutes of the meetings of the Moscow Society of Therapeutists. p. 112.
(DNLM)

VOPROSY KURORTOLOGII, FIZIOTERAPII I LECHEBNOI FIZICHESKOI KUL'TURY [PROBLEMS OF RESORT THERAPY, PHYSICAL THERAPY, AND EXERCISE THERAPY]. Moscow, vol. 27, no. 5, Sep.-Oct. 1962.

Table of contents translated

Speranskii, A.P. - Physicobalneotherapy for diseases of the peripheral nervous system (radiculitis, radiculoneuritis and polyradiculitis). p. 395.
Mydlik, T., Liska, S., Weiser, L. - Use of a new kinesiological indicator in the evaluation of the effectiveness of some methods of health resort treatment of patients with the lumbar ischialgic syndrome. p. 393.
TSetskhladze, M.IA. - Treatment of patients suffering from lumbosacral radiculitis with baths from Sukhumi mineral water (borehole No. 1). p. 397.
Renne, T.F. - Results of treating patients with diseases of the peripheral section of the nervous system with bromo-iodine water at the Ust'-Kachka Health Resort. p. 401.
Chilingarian, R.A., Kulikova, E.T. - Peat therapy for patients with lumbosacral radiculitis. p. 406.
Semenova, K.A., Dotsenko, E.S. - Results of compound treatment of children with spastic paralysis at the Yevpatoriya Health Resort. p. 409.
Fetisov, K.A. - Effect of applications of silt muds from saline lakes on the functional restoration of injured peripheral nerves. p. 413.
Kaplun, N.A., and others. - Effect of a galvanic current on the inflammation focus, experimental examination. p. 417.
Soldatov, V.V. - Morphological changes in the mast cells of the skin under the influence of different balneological factors. p. 420.
Chubinskii, S.M. - Synoptic front and its importance in pathological states of the organism. p. 429.
Leporskii, A.A. - Results of therapeutic gymnastics during the convalescent stage of acute nephritis. p. 434.
Popkov, N.N. - Physical therapy in cases of ureteral calculi. p. 438.
Kudriavtseva, T.B. - Air ionization in the emanatorium of the Belokurikha Health Resort. p. 441.
Pirozhkov, V.V. - Role of the physicians of the Tiflis Military Hospital in the development of the Georgian health resorts. p. 445.

Novinskii, G.D. - History of the preparation of artificial mineral waters in Russia. p. 447.
Tsibaia, G.P. - Therapeutic properties of TSalshi mineral waters. p. 449.
Konstantinova, V.A. - Ultraviolet therapy of hordeolum. p. 450.
IAsnogorodskii, V.G. - Apparatus for microwave therapy. p. 451.
Kiplani, T.I. - Unsolved problems of the physiological effect of mineral waters on the digestive organs and their importance for clinical practice. p. 453.
Bakuradze, A.N. - Concerning E.I. Luchnikova's article "Critical evaluation of the methods used in the study of the effect of mineral waters on the secretory function of the digestive glands." p. 458.
Vasilenko, IU.K. - Concerning the article "On the methods of study of the effect of mineral waters on the secretory function of the digestive glands" by E.I. Luchnikova. p. 461.
Kishko, A.M. - Infectious hepatitis patients must be completely cured, letter to the editors. p. 462.
Broderzon, B.M. - "Essays on the history of mud treatment in Odessa" by M.S. Belen'kii. p. 463.
Dikovskii, A.M. - "Health resorts, sanatoriums and rest homes in Siberia" by A.S. Shmitkova. p. 464.
Bulukhan, A.A. - "Sochi, the all-Union health resort" by M.M. Shikhova. p. 466.
I.A. Piontkovskii. p. 468.
On the sixtieth birthday of E.D. Zabludovskaia. p. 469.
Scientific and Practical Conference on Physicians of the Health Resorts and Sanatoriums of the Urals, Siberia and the Far East. p. 469.
Conference on the provincial physiotherapeutists of the Ukrainian S.S.R. p. 473.
Scientific and Practical Conference at the Dzhermuk Health Resort. p. 475.
Plenum of the All-Union Scientific Medical Society on Medical Control and Exercise Therapy. p. 477.
Coordination Commission for the Internal Use of Mineral Waters. p. 478.
(DNLM)

Vol. 28, no. 2, Mar.-Apr. 1963.

Table of contents translated:

Kaplun, N.A., Obrosov, A.N. - Combined and consecutive use of physiotherapeutic effects. p. 97
Bedilova, S.M. - Basal metabolism in mountains at medium altitudes. p. 105.
Kanavets, L.N., and others. - Effect of climatic factors on some vegetative reflexes in patients with neurasthenia under the accustomed conditions of the central belt. p. 108.
Leibovich, M.B. - Results of organizing climatotherapy in the "Golubaya Gorka" Sanatorium. p. 115.
Savchuk, L.N. - Therapeutic and prophylactic importance of parks and gardens. p. 118
Lakhno, E.S., Nichkovich, O.N., Svechkov, A.N. - Ionization of the air in a forest of the Kiev suburban resort zone. Report No. 1. p. 123.
Svechkov, A.N., Lakhno, E.S. - Ionization of the air in the forests of the Kiev suburban resort zone. Report No. 2. p. 126.
Speranskii, N.I., and others. - Result of using aerosol therapy in hypertension and stenocardia. p. 130.
Egorov, A.D., Ogloznev, V.V., Terent'ev, V.G. - Effect of moderately increased doses of positive aerosols on the organism of a healthy person, preliminary report. p. 135.
Shushakov, A.P. - Dosimetry of ion treatment. p. 137
Amirkhanova, R.G. - Biological evaluation of ultraviolet solar radiation in a large city (erythemic effect). p. 139.
Golemba, P.I. - Zonal ultraviolet irradiation in some dermatoses. p. 143.
Fiveiskaia, A.A. - Importance of focal infection in the gallbladder and the biliary ducts in patients with infectious nonspecific polyarthritis in fangotherapy. p. 147.
Syroechkovskaia, M.N. - Hydrogen sulfide baths in compound treatment of patients with infectious nonspecific polyarthritis. p. 152.
Ivanenkova, E.D. - Therapeutic gymnastics in lesions of the upper extremities following poliomyelitis. p. 156.
Gershkovich, P.N., Tregubovich, A.D. - Prophylaxis and treatment of contractures of the shoulder joint in an algetic syndrome by means of gymnastics. p. 164.
Vasil'ev, K.G. - Fundamental stages of the development of health resorts and matters pertaining to health resorts in Latvia in the 18th and 19th centuries. p. 166.
Gronzik, S.S. - Method of determining the supporting capacity of the lower extremity. p. 170.
Lanitskii, I.G. - Case of complete restoration of functions in poliomyelitis. p. 171.
Finogenov, S.N. - E.A. Cherniavskii's physicochemical conception of atmospheric ionization. p. 173.
Kaliko, I.M., Burnashov, I.G. - Method of induction thermophoresis. p. 175.
Farfenov, A.P. - Letter to the editor. p. 176.
Minkh, A.A. - "Therapeutic properties of ionized air" by S.N. Finogenov. p. 177.
Sokol'nikov, O.I. - "Therapeutic physical culture in a clinic for internal diseases" by V.N. Moshkov. p. 178.
Postnikova, V.M. - "Result of treatment and prophylaxis of deformities of the spine in children" by A.A. Pod"iapol'skaia, A.V. Uvarova. p. 179.
Vasilenko, IU.K. - Second All-Russian Conference on Problems of the Therapeutic Use of Radon Waters. p. 180
Boksha, V.G., Zol'nikova, A.I., Trotsenko, S.IA. - All-Union Conference on Experimental Study of Health Resorts and Physical Therapy. p. 181
Burchik, N.F. - Miron Zinov'evich Kessel'. p. 191
(DNLM)

*VOPROSY ONKOLOGII [PROBLEMS OF ONCOLOGY] Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.] Moscow, vol. 9, no. 2, 1963

Table of contents translated:

Petr, Andreevich Kuprianov, on his 70th birthday. p. 3.
Kuprianov, P.A., and others. - Diagnosis and therapy of paravasal forms of lung cancer. p. 6.
Krasnogorov, B.V., Tolubaev, V.L. - Diagnostic errors in lung cancer. p. 11.
Rukhimovich, G.S., Krol, IA.M., Bonk, G.M. - Clinical X-ray diagnosis of central lung cancer with retrograde metastases. p. 17.
Sheliakhovskii, V.M. - Indications and contraindications for surgical treatment of lung cancer. 25.
Maksimov, I.A., Pirogov, A.I., Klionel, L.I. - Comparative evaluation of pneumonectomy and partial resection in lung cancer. p. 31.
Pletnev, S.D. - Bronchial adenoma and the methods of its treatment. p. 41.
Baranova, A.G., Chermenskii, IU.V. - Limited organic inflammatory foci and their differential diagnosis in distinguishing them from bronchial cancer. p. 48.
Costachel, O. and others - Intra-arterial administration of large doses of cytostatics under the protection of bone marrow transplantation in advanced cases of cancer. p. 53.
Lavrikova, G.A. - Morphology of teratomas of the mediastinum. p. 60.
Rishzon-Ryss, IU.L., Poroshin-Kleshchuk, K.K. - Dysembryogenetic retroperitoneal tumors. p. 69.
Stelsula, V.I. - Histogenesis of adamantinoma of long tubular bones. p. 73.
Bashkaev, I.S., Rozenbaum, G.I. - Study of transplanted Harding-Passey melanoma in the precipitation reaction in gel. p. 83.
Sidorik, G.P., Ilikovskaia, T.N. - Change in the fractional composition of blood proteins in animals with Guerin's carcinoma during the administration of cortisone. p. 88.
IAblonovskaia, L.IA. - Some conditions of transplantability and growth of human glial brain tumors into the anterior chamber of the rabbit eye. p. 92.
Timoshechkina, M.E. - Effect of tissue preparations on the resistance of animals to transplanted tumors. p. 96.
Blestkina, T.G., Tolubaev, V.L. - Unusual case of esophageal cancer combined with chronic myeloid leukemia. p. 101.
Mishura, V.I. - Three cases of the removal of large benign tumors. p. 103.
Zaltubovskii, L.V. - Improved bandages after breast surgery. p. 107.
Strashinin, A.I., Ivanova, L.V. - Radioactive iodine therapy in cancer of the thyroid gland. p. 109.
Liudogovskaia, L.A., Shershul'skaia, L.V. - Use of the method of adsorption on erythrocytes in the study of tumor viruses and specific tumor antigens. p. 118.
(DNLM)

f PHARMACY & MATERIA MEDICA

AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow. Institut farmakologii i khimioterapii. Uchenye zapiski [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R. Institute of Pharmacology and Chemotherapy. Studies]. Moscow, vol. 3, 1963. Sovremennye problemy farmakologii [Contemporary problems of pharmacology].

Table of contents translated:

Anichkov, S.V., Zavodskaia, L.S., Ruzhenkov, V.E. - Principles of nervism in pharmacotherapy (effect of neurotropic drugs on vegetative reflexes and the trophic processes of the stomach wall). p. 14
Mashkovskii, M.D. - Pharmacological research in the series of indole derivatives. p. 24.
Carr, C.J. - Unsolved problems of psychopharmacology. p. 38.
Sinitsin, L.M. - Effect of the morphine group analgesics on induced potentials of the afferent systems of the brain. p. 52.
Kruglov, N.A. - Effect of the morphine group analgesics on central inhibitory processes. p. 65.
Shapovalov, A.I. - Study of the effect of pharmacological substances on the transmission of stimulation in the spinal cord using intracellular microelectrodes. p. 76
Sangailo, A.K. - Analgesic phase of anesthesia and its significance, clinical pharmacological study. p. 80.
Pershin, G.N., Novitskaia, N.A. - Mechanism of the action of phenazole. p. 98.
Liubimov, B.I. - Compound use of aminazine antagonists. p. 104.
Riker, W.F., Jr., Standaert, F.G. - Pharmacological aspects of neuromuscular transmission. p. 115.
Arendaruk, A.P., and others. - Chemical and pharmacological research in the series of derivatives

B 14f-15a

of cyclobutanedicarboxylic acids. p 138
Hauschild, F., Wiczorek, W.D. - Pharmacology of pyridinealdoximes. p. 158.
Vysotskaia, N.B. - Effect of ganglioblocking substances on the metabolic processes in the superior cervical ganglion connected with the transmission of nervous excitation. p. 166
Burn, J.H. - Cholinergic links in the adrenergic fibers. p 176.
Nickerson, M.J. - Treatment of shock by inhibition of vasoconstriction. p. 186.
Heymans, C., De Schaepdryver, A.F., Taquini, A.C. - Tissual catechol amines in chronic renal hypertension. p. 200.
Arbuzov, S.IA. - Effect of some new stimulants (phenatine and its derivatives pyridoxyphen) on the cardiovascular and nervous system. p. 206.
Val'dman, A.V. - Effect of neurotropic substances on the central regulation of the activity of the cardiovascular system. p 218.
Kaverina, N.V. - Effect of pharmacological substances on the nervous regulation of the tonus of coronary vessels. p. 234.
Gilev, A.P. - Effect of serotonin and its antagonists on cardiac receptors. p. 247.
Pidevich, I.N. - Search for serotonin antagonists based on their action on cardiac receptors. p. 258.
Ivanova, Z.N. - Effect of neurotropic substances on chemoreflexes from the vessels of the pulmonary circulation. p. 265
Kisin, I.E. - Role of changes in cardiac energetics in the coronarodilating effect of papaverine and euphyllin. p. 278.
Miazdrikova, A.A. - Effect of pharmacological substances on the course of experimental myocardial infarction. p. 292.
Cherkes, A.I., Dmitrieva, N.M. - Dependence of the pharmacodynamics of cardiac glycosides on the functional state of the organism. p. 301.
Rudakova, I.S. - Effect of synthetic derivatives of esculetin with vitamin P activity on vascular permeability and strength. p. 316.
Uvnas, B., Antonsson, Judith. - Triggering action of phosphatidase A and chymotrypsins on degranulation of mesenteric mast cells in rats. p. 336.
Chernukh, A.M. - Reactions of the macroorganism to the action of some antituberculotic drugs. p. 347.
Larionov, L.F., Grishko, V.A. - Methods for determining the cumulation and reversibility of the toxic effect of antitumor drugs. p. 358.
Bibliographical index of the main printed works of the Member of the Academy of Medical Sciences of the U.S.S.R. Professor V.V. Zakusov and his coworkers. p. 367.

FARMAKOLOGHIA ALKALOIDOV [PHARMACOLOGY OF ALKALOIDS]. Issued by Institut khimii rastitel'nykh veshchestv Akademii nauk Uzbekskoi SSR [Institute of the Chemistry of Vegetable Substances of the Academy of Sciences of the Uzbek S.S.R.]. Tashkent, no. 1, 1962.

Table of contents translated:
Kamilov, I.K., Fakhrutdinov, S.F. - Curariform action of remerine hydroxymethylate. p. 5.
Fakhrutdinov, S.F., Kamilov, I.K. - Antagonism between the alkaloid remerine and some soporifics. p. 14.
Fakhrutdinov, S.F., Kamilov, I.K. - Pharmacology of remerine hydroxy-n-propylate. p. 19.
Fakhrutdinov, S.F., Kamilov, I.K. - Pharmacology of remerine hydroxy-n-butylate. p. 24.
Fakhrutdinov, S.F., Kamilov, I.K. - Pharmacology of the new alkaloids d-isoremerine and fugapavine. p. 29.
Sultanov, M.B., Saidkasymov, T. - Hypotensive action of the alkaloid vincanine. p. 36.
Kurmukov, A.G., Sultanov, M.B. - Pharmacology of the sum of alkaloids from the aboveground portion of Vinca erecta Rgl. et Schmalh. p 42.
Saidkasymov, T., Sultanov, M.B. - Action of the alkaloid ervinin on respiration. p. 50.
Saidkasymov, T., Sultanov, M.B. - Mechanism of the action of the alkaloid ervinin on respiration. p. 60.
Saidkasymov, T., Sultanov, M.B. - Antagonism between ervinin and some soporifics. p. 70.
Kurmukov, A.G., Sultanov, M.B. - Pharmacological properties of the new alkaloid ervamin. p. 74.
Kurmukov, A.G. - Effect of ervamin hydrolodide on the motor activity of the uterus. p. 81.
Kurmukov, A.G., Sultanov, M.B., Egorova, T.A. - Effect of ervamin hydrolodide on the effects caused by acetylcholine and on the activity of cholinesterase in the blood. p. 87.
Kurmukov, A.G., Sultanov, M.B. - Action of the alkaloids vincanine and ervamin on the bioelectric activity of the cerebral cortex and heart of dogs of different ages. p. 94.
Sultanov, M.B., Sadykov, E.S. - Antimicrobic properties of alkaloids of the periwinkle Vinca erecta. p. 105.
Baibekov, E.B., Sultanov, M.B. - Pharmacology of the quaternary base of vincanine hydroxymethylate. p. 108.
Sultanov, M.B., Baibekov, E.B. - Pharmacology of the quaternary base of vincanine hydroxyethylate. p. 115.
Sultanov, M.B., Baibekov, E.B. - Effect of vincanine, its quaternary bases and vinkanidin on the intestinal musculature. p. 121.
Vakhabov, A.A., Sultanov, M.B. - Effect of vincamine hydroxypropylate (OPV) on arterial blood pressure and respiration. p 127.
Vakhabov, A.A., Sultanov, M.B. - Effect of derivatives of vincamine on neuromuscular conduction. p. 133
Polievtsev, N.P. - Some analgesic properties of the alkaloid dubinidine. p. 136.
Polievtsev, N.P., Kamilov, I.K. - Sedative properties of the alkaloid dubinidine. p. 145
Polievtsev, N.P., Kamilov, I.K. - Comparative activity of dubinidine hydrochloride and hydrobromide in synergism with soporifics and narcotics. p. 150.
Magnupova, M.A., Kamilov, I.K., Polievtsev, N.P. - Sedative soporific and narcotic actions of the alkaloid haplophytidine. p 155.
Magnupova, M.A., Kamilov, I.K., Polievtsev, N.P. - Synergetic action of the alkaloid haplophytidine in combination with soporifics and narcotics. p 160.
Magnupova, M.A., Kamilov, I.K., Polievtsev, N.P. - Antagonism between haplophytidine and analeptics. p. 169.
Umarova, Sh.S., Kamilov, I.K., Polievtsev, N.P. - Galanthamine hydroxymethylate and its cholinergic properties. p. 174.
Umarova, Sh.S., Kamilov, I.K., Polievtsev, N.P. - Effect of galanthamine hydroxymethylate on the action of arecoline and atropine. p. 181.
Umarova, Sh.S., Kamilov, I.K., Polievtsev, N.P. - Comparative action of galanthamine hydrobromide and hydroxymethylate on neuromuscular conduction. p. 184.
Abdumalikova, N.V., Kamilov, I.K. - Some pharmacological properties of the alkaloid lycorine. p. 190.
Aliev, Kh.U., Kamilov, I.K. - Effect of the alkaloid tazettine and its derivative (methiodide) on the blood circulation. p. 199.
Aliev, Kh.U., Kamilov, I.K. - Effect of the quaternary base of tazettine on the vegetative ganglia. p. 202.
Aliev, Kh.U., Kamilov, I.K. - Effect of apochlorine and its derivatives on the cardiovascular system. p. 208.
Tashbaev, Kh.I., Sultanov, M.B. - Antispasmodic action of the alkaloid talizopin. p. 210.
Tashbaev, Kh.I., Sultanov, M.B. - Pharmacology of the alkaloid tal'sin p. 220.
Karimov, V.A., Kamilov, I.K. - Pharmacology of n-benzoyl-loline methiodide (loline BMNB). p. 227.
Karimov, V.A., Kamilov, I.K. - Pharmacology of loline dihydrochloride. p. 237.
Karimov, V.A., Kamilov, I.K. - Pharmacology of the new alkaloid rindeline. p. 253.
Nasritdinov, Kh.N., Karimov, V.A., Kamilov, I.K. - Effect of some new alkaloids of the 1-methylpyrrolizidine series on the coronary blood flow in a dog. p. 263.
Aliev, Kh.U., Kamilov, I.K. - Pharmacology of some complex compounds of anabasine with cobalt salts p. 268.
Sultanov, M.B. - Effect of alkaloids of the morphine group on the evacuatory function of the stomach p. 273.

NOVYE LEKARSTVENNYE SREDSTVA [NEW DRUGS] Issued by Farmakologicheskii komitet Ministerstva zdravookhraneniia SSSR [Pharmacological Committee of the Ministry of Health of the U.S.S.R.]. Moscow, no. 2, 1962.

Table of contents translated
Pershin, G.N. - Foreword. p. 3.
Amikazol (Amycasolum). p. 5.
Acecilidine. p. 14.
Dipin. p. 61.
Imizin. p. 99.
Lemoran (Laemoranum). p. 126.

REFERATIVNYI ZHURNAL: FARMAKOLOGHIA. TOKSIKOLOGHIA (Otdel'nyi vypusk 54) [JOURNAL OF ABSTRACTS: PHARMACOLOGY. TOXICOLOGY (Separate Issue 54)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, Oct 1963.

g. PUBLIC HEALTH & NURSING

FEL'DSHER I AKUSHERKA [FELDSHER AND MIDWIFE]. Issued by Ministerstvo zdravookhraneniia SSSR and Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the U.S.S.R. and Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 28, no. 2, Feb. 1963.

Table of contents translated:
Lokhmanenko, V.A. - Intensifying measures for the control of helminthiasis. p. 3.
Dodonov, V.N. - Importance of disinfection in the control of infectious diseases. p. 5.
Tiukina, A.P. - Neurovascular diseases of the extremities as a result of cold. p. 8.
Ivanov, I.P. - Clinical aspect of late pregnancy toxemias. p. 11.
Sokolinskii, I.P. - Oxygen therapy in nocturnal enuresis. p. 16.
Boldyrev, A.I. - Fundamental principles of treating epileptics. p. 20.
Paleev, N.R. - Adaptation of the human organism to polar climatic conditions p. 27.
Sukharebskii, L.M. - Sectarian fanatics spoil and ruin the health and the lives of people. p. 33
Kholopova, V.G. - Work of the health center at a chemical plant. p. 37.
Kamenskii, I.N. - Our experience in organizing work pertaining to epidemiological and sanitary problems. p. 41.
Sheidin, L.E. - Sanitary instruction in the control of leptospirosis. p. 43.
Lushnikov, A.G. - E.E. Eikhval'd, prominent Russian therapeutist. p. 44.
Zinov'ev, I.A. - Aleksandr Vasil'evich Vishnevskii. p. 47.
Lisitsyn, IU.P. - Persistent facts concerning public health in the U.S.A. p. 52
Through the pages of medical journals. p 55.
Medical consultation. p. 56.
Obstetrics seminar. p. 58.
New books. p. 59.
Book review. p. 60.
From the editor. p. 61.

MEDITSINSKAIA SESTRA [MEDICAL NURSE]. Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol 22, no. 6, June 1963.

Table of contents translated:
Orlova, O.A. - Rural public health service at a new stage. p 3.
Obnorskii, P.P. - Study of the working experience of leading public health institutions and its utilization in practice. p. 6.
Volkova, G.E. - Organization of work in medical schools for subprofessional personnel. p. 9.
Sachkov, A.M. - New forms of improving the qualifications of nurses and clinical laboratory technicians p. 13.
Murav'ev, N.V. - Improving the qualifications of senior nurses in rural district hospitals p. 15.
Sergievskii, S.A. - Senior nurse of a department. p 18.
Movchan, A.P. - Hospital nurse. p. 20.
Kuznetsova, A.F. - Work of a district nurse. p 22.
Beliakova, A.F. - The moral personality of a soviet nurse. p. 24.
Evtishina, T.G. - Work of the nurse in the juvenile department. p. 27.
Markin, M.A. - Work of a nurse in the department of occupational diseases in the mining industry. p. 28.
Freidlin, S.IA. - Organization of traumatological care at public health centers of industrial enterprises (continuation). p. 30.
Storozhenko, S.N. - Participation of subprofessional medical personnel in the prevention of industrial traumatism in railroad construction workers. p. 33
Kagan, IU.S. - First aid in poisoning by toxic chemicals. p. 34.
Gurvich, Z.G. - Compatibility of medicinal substances. p. 35.
Kadyrov, R.K., Chichenin, P.I. - Extensive enlistment of the community in the solution of medical problems. p. 36.
Makrushenko, P.I. - Learn sensitivity from V.I. Lenin p 38.
Akopian, V.A. - Liubov' Mikhailovna Kamornik. p. 41.
Nurses' councils. p. 42.
Grom, L. - Organization and the activity of the Society of Subprofessional Medical Personnel of the Rumanian People's Republic. p. 46.
Bereznev, V.IA., Mushakov, V.I. - Organization of nurses' work in well-developed capitalistic countries (U.S.A., England, France, German Federal Republic). p. 49.
Book reviews. p. 53.
Trubchannikov, M.M., Vallaeva, K.N. - Legal regulation of nurses' vacations. p. 57.
Letters to the editor. p. 61.
Questions and answers. p. 63.

15. AGRICULTURE

a. GENERAL

AGROBIOLOGHIA [AGROBIOLOGY]. Issued by Vsesoiuznaia akademiia sel'skokhoziaistvennykh nauk imeni V.I. Lenina [All-Union Lenin Academy of Agricultural Sciences]. Moscow, no. 4(142), July-Aug. 1963.

Table of contents translated:
Zhdanov, L.A. - Ways for the use of foreign additional pollination in sunflower breeding p. 463.
Guseinov, A.M., Mukhtarov, Z.M. - New data on the effectiveness of intravarietal crossing of cotton. p. 490.
Molchan, I.M. - Pollination selectivity in corn. p. 497.
Kutubidze, V.V. - Using additional pollination in the production of tea seeds. p. 502.
Mamedov, M.A. - Artificial additional pollination of tea plants in the subtropics of the Azerbaijan S.S.R. p. 506.

Kamalova, G. V - Characteristics of the germination of foreign pollen and the growth of pollen tubes in cotton pistils p 511
Carter, H W - Effectiveness of artificial insemination in the improvement of dairy cattle p 515
Donald, H. P - Modern problems in the eradication of diseases and breeding of domestic animals p. 524.
Negovskii, N. A - Productivity of polyploid sugar beet varieties p. 531
Nazirov, N N - After effect of the irradiation of cotton seeds with relatively small doses of gamma rays p 541.
Pogel'man, S G. - Reaction of chicks to ultraviolet rays as related to the difference of breed p 548
Pankratova, E. M. - Effect of treating seeds with variable temperatures and trace elements on the cold resistance and yield of corn p. 553.
Trel'iakov, N N , Gallitskii, V I - Varietal differences in the development of the root system of corn. p 558
Zykov, IU. D - Development of new vegetative shoots on the alfalfa seed plant and measures for increasing seed productivity p 565
Atabullaev, N A - Photoperiodic development and the resistance of melons to fusarium wilt p 571
Pilipenko, F S - Regeneration of flowering bamboo plantations p. 576.
Berezova, E. F., and others. - Microbiological processes during the aging of manure-soil composts p. 581.
Shtina, E. A. - Development of soil algae in manure-soil composts. p 585
Anuchin, N. P. - Theory and practice of shelterbelt afforestation p 589
Mamontova, A. N. - Immunological heterogeneity of individual organisms of a fungus population, its origin and role in the specialization of fungi p. 607
Nemchin, F I. - Preserving potatoes against degeneration and increasing their productivity in the southern potato growing areas p 615
Tishchenko, A V , Moskalenko, V. I - Physiology of hybrid seeds obtained from the crosses of monospermous and polyspermous sugar beets. p 617
Leskova, E S - Intravarietal and intervarietal hybridization of oilseed poppy. p 619.
Chirkovskii, V. I. - Effect of gibberellin on tobacco. p. 621.
Eliseev, I P. - Acclimatization of Ussurian plum in Gorkiy Province p 623
Kamsarakan, B. S. - A new tomato variety. p. 626
Mustiatea, G I - Characteristics of the development of the root system of lavender in Moldavia p 628.
Solodukhin, E. D - Planting oak in clusters in the Maritime Territory. p. 630
Savel'eva, L. S. - Accretion of roots in some woody plants p. 631
Zorin, F M. - Possibility of surgery in developing new varieties. p. 633
Sorkina-Finkel', L I. - "From the pages of foreign biological and agricultural publications " p. 637.
Books sent to the editor for comment p. 639.

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent, Institut sel'skogo khoziaistva. Trudy [ACADEMY OF SCIENCES OF THE UZBEK S. S. R. Institute of Agriculture. Transactions]. Tashkent, no. 1, 1953.

Table of contents translated:

Sadukov, S.S., Uchevatkin, F. I. - Basic results of the work of the Institute of Agriculture of the Academy of Sciences of the Uzbek S.S.R. for 1949-1951. p 3.
Uchevatkin, F.I., Borodulina, A A. - Basic results of a three-year study on the shedding of young fruit in cotton. p 12.
Mauer, F. M. - Basic concepts in the classification of cotton. p. 46.
Alcev, B. G. - Results of research on the planting time for cotton. p. 79.
Petrov, V. G. - Cultivation practices as factors in controlled development of cotton in the seed production system of collective and state farms. p. 96
Aleksandrov, M. K. - Changes in the quality of raw cotton and fiber with the age of cotton bolls. p. 116.
Kliuev, G. A. - Some characteristics of cotton growing in dry-farming areas and soils irrigated depending on conditions. p. 126.
Fedorov, B. V. - Principles underlying the zoning of soils for improvement purposes and its importance in planning the socialist economy. p. 140.
Reshetkina, N. M. - Ground waters in Uzbekistan and their pumping possibilities for the purpose of soil improvement and irrigation. p. 159.

KAZAN. SEL'SKOKHOZIAISTVENNYI INSTITUT. Trudy [AGRICULTURAL INSTITUTE. Transactions]. No. 43, 1961.

Table of contents translated:

Gorizontov, B. I. - Effect of organic-mineral fertilizers and their components on the yield of plants and the role of nitrogen in the effectiveness of organic-mineral fertilizers. p. 3.
Gorizontov, B. I. - Phosphate meal mixed with superphosphate as phosphorus fertilizers in the soils of Tatarstan according to the results of pot and field experiments p. 23.
Popov, K. I. - Materials on the study of causes of the negative effect of low temperatures above freezing point on the germination of corn seeds and the protective reaction of sprouts to the loss of the leaf surface. p. 45.
Kuznetsov, N. M - Studying the anatomic structure of the rhizome of long-rhizome top grasses in relation to the change of environmental conditions. p. 61
Buinova, P G , Borisova, N. L. - Effect of various methods of tillage on some physiological processes in winter wheat. p. 73.
Khusainov, R. R. - Practices in harrowing sugar beet fields after sprouting. p. 86.
Khusainov, R. R. - Growing sugar beets in checkrows p. 91.
Negovskov, A. L., Sil'ianova, IU. I., Sokolov, I. N. - Sugar beets in non-Chernozem soils. p. 99.
Negovskov, A. L., Sokolov, I. N., Sil'ianova, IU. I - Practices in growing monospermous sugar beets in non-Chernozem soils in the Tatar A.S.S.R. p. 109.
Naboishchikova, A., Negovskov, A., Sil'ianova, IU. - Effect of trace elements on the yield of tomatoes in Podzolic soils. p 113
Vas'kov, M. A. - Improving cultivation practices for corn in the Chernozem soils of the Tatar A.S.S.R p. 117.
Trusov, P D - Investigating the growth and development of pine plantations grown from seeds of various geographical origins p. 127.
Gainutdinov, I O., and others. - Effect of growth promoting substances of petroleum origin on the yield of pulse crops. p. 153

KHLIBOROB UKRAINY [THE FARMER OF THE UKRAINE] Issued by Ministerstvo vyrobnytstva i zahotivel' sil's'kohospodars'kykh produktiv URSR [Ministry of the Production and Procurement of Agricultural Products of the Ukrainian S. S. R.], Kiev, no. 9, 1963.

KIEV. UKRAINS'KYI NAUKOVO-DOSLIDNYI INSTYTUT MEKHANIZATSII I ELEKTRYFIKATSII SIL'S'KOHO HOSPODARSTVA. Naukhove trudy [UKRAINIAN SCIENTIFIC RESEARCH INSTITUTE FOR THE MECHANIZATION AND ELECTRIFICATION OF AGRICULTURE. Studies]. Vol. 4, 1962. Voprosy mekhanizatsii i elektrifikatsii sel'skogo khoziaistva [Problems in the mechanization and electrification of agriculture].

Table of contents translated

Gatenko, M. D., Manoilo, N. A. - Study of a pea planting process. p. 3.
Dolgii, L. P. - Cultivation of the inter-row spacing of corn using the high-speed KRN-4, 2 cultivator. p. 7.
Grin', A. L. - Displacement of corn cobs along the cleaning rolls. p. 11.
Pisanko, E. A. - Mechanization of sorghum harvesting operations. p. 15
Chekalov, A. I. - Formation of sets in planting sugar beets without blocking of seedlings. p. 19.
Gerasimchik, V. G. - Determination of the principal parameters of the haulm cutting apparatus of beet-lifting machines. p. 25.
Terekhov, A. P. - Study of vibrational cleaning of root crops. p. 34.
Nastenko, P. N. - New mechanized process for cultivating potatoes. p. 40.
Verimenko, IA. I. - Study of the working process of the rotary separator of a potato digger. p. 45.
Lisovenko, S. I. - Seed distribution of vegetable crops and mineral fertilizers in wide-row planting. p 52.
Sokolov, V. M. - Increased stability in the motion and depth penetration of the furrow openers of planters p. 58.
Medvedev, M. I., IUshin, A. A. - Efficiency of the leading driving axle of the MTZ-52 tractor. p. 66.
Dolganov, K. E. - Transducer for oscillographic recording of the operating processes in low-pressure hydraulic systems. p. 71.
Martyniuk, B. F. - Study of the damping mechanism of the injection advance regulating automatic device. p. 76.
Gol'verk, A. A., Vagner, I. V. - Calculation of the oscillatory process of fuel injection. p. 86.
Galushko, M. D., Samsonenko, G. S., Klepatskii, B. V. - Effect of tractor design on the order of difficulty in their repair. p. 92.
Semeniuk, I. M. - Methods for studying the wear resistance of working parts cultivators. p. 97.
Semeniuk, I. M. - Nature and intensity of the wear of the ploughshares of tractor-mounted plows. p. 102.
Kramarov, V. S., Nazirov, N. A. - Glue compounds for restoring worn machinery components. p. 106.
Bornshtein, I. B. - Study of the hydraulic drive of the extensible sections of orchard cultivators. p. 112.
Kisten', G. E., Zavgorodnii, N. F. - Study of the automatic control system of tower-type water pumping systems. p. 118.
Martynenko, I. I., Kisten', G. E. - Study of the automatic control system of auxiliary lighting in poultry houses. p. 121.
Terpilo, N. N. - Results of testing continuous-flow type electric water heaters. p. 123.
Timoshenko, G. I. - Special features of the thrashing system and separating mechanism of the ANP-500 thrasher. p. 126.
Terekhov, A. P. - Application of mathematical statistics methods in the engineering evaluation of machinery compounding. p. 129.
Ilin, I. I. - Study of the friction coefficients of manure. p. 134.
Finn, E. A. - Use of linear programming in planning agricultural production. p. 140.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO [COLLECTIVE AND STATE FARM PRODUCTION] Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U. S. S. R.]. Moscow, nos. 7-9, 1963.

MEKHANIZATSIIA I ELEKTRIFIKATSIIA SOTSIALISTICHESKOGO SEL'SKOGO KHOZIAISTVA [MECHANIZATION AND ELECTRIFICATION OF SOCIALIST AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 21, no. 4, 1963.

Table of contents translated:

For high ideological standards in scientific studies. p 1
Vasilenko, A. A. - Study of the haulm cutting apparatus of beet harvesters with halm cutting at the root. p. 3.
Eremeev, I D - Improvement of the working parts of pull-type sugar beet harvesters p 7.
Fedoseev, P N. - Technology and machinery system for harvesting grain in Siberia p. 11.
Krasnov, V S., Syrovatka, V. I. - Grinding of grain in a hammer mill. p 14.
Vasilenko, P. M. - Theoretical premises for automating farm production p 16.
Mikhailov, M V. - Calculation of the efficiency of automatic control of the operation of mobile agricultural machinery p. 19.
Baiba, V A. - Automatic control of electric lighting in poultry houses. p. 23.
Listov, P N., Kalugina, IU. P. - Automatic control of forced ventilation in vegetable storage. p. 26.
Vagin, P I. - Use of animal reflexes in systems of automatic regulation and control. p. 27.
Mosikhin, E. P., Rybakov, K. V. - Some laws governing oil contamination in engines. p 30
Lenskii, A. V., Pasechnikov, N. S. - Study of the accumulation of impurities in the oil of a tractor engine. p. 32.
Zul', N. M., Agalarov, A. M. - Methodology for choosing optimum sectionalizing points in 6 to 10 kv power distribution networks. p. 36.
Gessen, V. IU. - Efficiency of current cutoff in rural power distribution systems. p. 39.
Krasnp, V. R. - Night rates on electric power in rural areas p 41.
Diatchin, N. B. - Effect of the recoil of tractor motor mounts on the vibration of the engine p. 44
Bezrukii, L. P - Improvement of working parts of cultivators p. 46
Chernichkin, A. S - Determination of the displacement resistance of free-flowing loads in scraper conveyors. p. 47.
Zolenskii, IU. A. - Dowel-type seeding devices with serial and caprone components. p. 49.
Markarian, S. E., Mkrtchian, L. A. - Testing of a caprone cable operating as a pull exerting component in scraper systems. p. 50.
Gutorovich, M. S. - Determination of the optimum size of repair enterprises. p. 51.
Linkh, V. M., Galkin, V. I. - Results of testing new beet cultivators. p. 53.
Gerasimov, S. A., Kozlura, K. S. - Mechanization of potato harvesting in the German Democratic Republic. p. 58.
Glebovich, A. A. - "International standard of units" by A. G. Chertov. p. 63.

MOSCOW. MOSKOVSKAIA SEL'SKOKHOZIAISTVENNAIA AKADEMIIA IM. TIMIRIAZEVA. Doklady [TIMIRIAZEV AGRICULTURAL ACADEMY OF MOSCOW. Reports]. No. 62, 1961.

Table of contents translated:

Preface. p. 3.
Stepanov, V. N., and others. - Agricultural evaluation of grain and potato crop rotations for the central regions of the non-Chernozem belt. p. 6.
Kuznetsov, V. S. - Developing a method of objectively evaluating the lodging resistance of field crops sowed in narrow rows. p. 17.
Gritsenko, V. V. - Effect of agricultural methods on the development of root systems of perennial grasses and their productivity. p. 23.
Shemiakina, A. P., Nikitaev, V. S. - Some microclimate and nutrition indices of soil under mixed sowing in packed green fallow. p. 31.
Lugovitsin, IU. D. - Some farming practices for corn under the conditions prevailing in Tambov Province. p. 39.
Suleimanov, V. G. - Some regularities in the growth and development of corn with a different density of the stand. p. 45.
Nikitaev, V. S. - Development and yield of winter wheat in clean and green fallow. p. 53.
Trunov, N. P. - Effect of preceding crops on the yield of winter wheat under the conditions in Rostov Province. p. 61.
Bondarenko, N. I. - Use of vegetative undercutting of roots to stimulate the development of wheat. p. 69.
Surkov, N. N., Polezhaeva, M. D. - Quality of fiber in spreading flax straw with a remodeled fiberflax combine in strips of different width. p. 76.
Savitskii, V. M. - Features of agricultural practices with new species of lupines having small seeds. p. 83.
Khlebutina, D. K. - Drying lupines before harvesting. p. 91.
Ustimenko, G. V., Usanova, Z. I. - Photoperiodism of the Jerusalem artichoke. p. 99.
Samsonov, M. P. - Origination of seed production of grain crops and prospects for its development. p. 105.

B 15a Ukolov, A. A., Salonkina, Z. V. Morphological and biological nonuniformity of Moskovskaya winter wheat. p. 109.

Fainbron, B. D. - Wheat variation in sowing embryonically young seeds. p. 119.

Konovalov, IU. B. - Capacity of various grains on an ear to utilize nutritive substances. p. 125.

Pukhal'skii, V. A. - Formation of the generative organs in new types of hard winter wheats under conditions of varying light. p. 133.

Solavri, M. K. - Variation of some characteristics of corn through controlling the effect of light. p. 143

Diakonu, P. - Features of the organogenesis of the VIR 25 hybrid and its parent varieties. p. 153.

Pyl'nev, V. M., Diakonu, P. - Cytochemical study of corn pollen and pollen tubes. p. 163.

Priozzhev, G. V. - Intervarietal hybrids of buckwheat p. 171.

Pausheva, Z. P. - Pollination of buckwheat in field conditions. p. 177.

IUrtsev, V. N. - Some physiological features of the growth and development of early and late maturing clover Trifolium pratense L. p. 181.

Aronchuk, M. M. - Effect of unfavorable weather conditions on the structure of the crop of the Timiriazevskii 49 and the no 572 peas. p. 189.

Ivanova, S. V. - Change caused by grafting in the action of peroxidase and catalase in potato leaves. p. 199.

Nemtsov, M. I. - Vegetation features of sections of the forest steppe of northeastern Kazakhstan. p. 205.

Kurzhanovskii, V. G., Sokolova-Domanskaia, N. P. - Microscopic analysis of the roots of apple trees marked by destruction of shoots. p. 213.

Smirnova, E. S. - Initial phases of embryogenesis of Podophyllum Emodi Wall. p. 221.

Ignat'eva, L. P. - Occurrences of fasciation in some polycarps. p. 231.

Kolesnikov, V. A. - Features of the organization and agricultural practices in orcharding in Moscow Province. p. 239.

Dukhanin, K. S. - Establishing large commercial orchards in the non-Chernozem belt of the R. S. F. S. R. p. 251.

Teleshkin, F. V. - State of and prospects for the development of orcharding on the Klin State Farm, Moscow Province. p. 263.

Golikova, N. A. - Pruning apple trees for purposes of rejuvenation during the fruit-bearing period. p. 273.

Popov, B. A. - Results of the first study of foreign-bred clonal apple rootstocks in a nursery. p. 277.

Kuznetsov, M. D. - Mechanized pruning of rootstocks in the nursery. p. 287.

Reznichenko, A. G. - Nature of the interrelationship between the growth and development of the root system and aerial organs in the strawberry. p. 289.

Zhitneva, P. L., Shaumian, K. V., Bronshtein, E. V. - New varieties of black currants. p. 303.

Ravkin, A. S. - Some features of the phenological development of the gooseberry in connection with freeze injury. p. 315.

Khodzhaeva, N. A. - Relation between the yield of the strawberry and the time of foliar feeding and the age of the plants. p. 323.

Kornatskii, A. P. - Methodology of studying the nutrition of green cuttings in a water-gravel culture. p. 329.

Chuvikova, A. A. - Results of experimental work conducted between 1950 and 1960 at the floricultural station of the Timiriazev Agricultural Academy. p. 335.

Ippolitov, L. S. - Obtaining high yields of stock seeds. p. 347.

Smirnov, N. A. - Conditions of mineral nutrition and the yield of tomatoes and cucumbers in the hothouses of the Martino State Farm, Moscow Province. p. 353.

Tarakanov, G. I., Pen'kov, L. A., Vinke, N. P. - Effect of gibberellin on the growth and development of tomato seedlings under unheated cultivation. p. 359.

Panov, M. A. - Intraspecific classification of leeks. p. 365.

Bronshtein, I. L. - New method of cultivating seedlings in peat-humus blocks. p. 377.

Shuntchev, S. I. - Raising seedlings of late cabbage without using propagation frames. p. 385.

Kochetkov, V. P. - Depth for placing mulch strip paper in sowing carrots with the SRL-2 sowing machine. p. 395.

Andreev, N. G. - Increasing the productiveness of natural meadows and pastures. p. 403.

Iglovikov, V. G. - Permanent cultivated pastures on the Novaya Zhizn' Collective Farm, Stupino District. p. 409.

Ten, A. G. - Use of leguminous plants to grass lowland meadows rapidly. p. 415.

Liubimova, E. E. - Effectiveness of rapid grassing under the conditions prevailing in the flood plains of the Chernozem belt. p. 423.

Andreev, N. G. - Burnet bloodwart as a fodder plant. p. 429.

Blagovoshchenskii, G. V. - International congress on meadow culture in England. p. 433

Nesterov, V. G. - Increasing the productiveness of forests in the central belt of the European U. S. S. R. p. 439.

Kondrat'ev, P. S. - Relation between the growth of trees and the shape and dimensions of the crowns. p. 445.

Gorelkov, D. I. - Types of beech forests in the Petrokhanskoye Ushchel'ye Forest Working Circle (Bulgaria). p. 455.

Tarasov, V. M. - Study of some agricultural practices to control the rosette and fine-leaf tendency of apple trees under the prevailing conditions of the Volga Valley. p. 461.

Grechka, M. I. - Entomological evaluation of various systems of soil tillage under conditions prevailing in the central regions of the non-Chernozem belt. p. 467.

D'iakov, IU. T. - Adaptation of the causative agent of late potato blight to copper acetate. p. 471.

Bolarskii, B. G. - Phytopathologic importance and the use of lyophilic desiccation of biological objects. p. 477.

Maksimov, S. A. - Weather features of 1960 in Moscow Province. p. 485.

Rall', IU. S. - Effect of continuous below-freezing temperatures on the germinating and biochemical properties of corn seeds. p. 491.

Karpov, B. A. - Active ventilation of flax heaps. p. 497.

Kurdina, V. N. - Chemical composition and equilibrium moisture of vegetable seeds. p. 505.

Atef El'-Miligi [Atef El-Meligui]. - State of grain storage in the Egyptian part of the United Arab Republic. p. 509.

Mashkovich, I. K. - Keeping quality of cabbage grown under various conditions. p. 519.

L'vov, O. S. - Metabolism in the organism of wintering bees in relation to their manner of using the combs of the chamber. p. 525.

Fomina, K. IA. - Effect of forest shelter belts on the nectar productivity and the seed yield of sainfoin and and sunflowers. p. 531.

Khadzhiev, P. I. - Operation of the Kabardino-Balkar State Bee Breeding Station. p. 537.

Samosadov, IA. M. - Organization of cucumber pollination in hothouses of the "1-go Maia" State Farm. p. 543.

Levicheva, A. I. - Characteristics of artificial rearing of swarm and superseded queens. p. 547.

MOSCOW. MOSKOVSKAIA SEL'SKOKHOZIAISTVENNAIA AKADEMIIA IM TIMIRIAZEVA. Izvestiia [TIMIRIAZEV AGRICULTURAL ACADEMY OF MOSCOW. Bulletin]. No. 3(52), 1963.

Table of contents translated.

Guliakin, I. V., Gukova, M. M., Bogomolova, R. I. - Effect of the conditions of nutrition on the yield and nitrogen content of corn and forage beans in mixed plantations. p. 7

Kuziurin, A. N. - Results of the reorganized farming system on a training farm. p. 19

Sosnin, N. A. - Role of herbicides in the intensification of agriculture in virgin lands. p. 24.

Mordashev, A. I. - Results of three years' work in soybean growing in Tambov Province. p. 35.

Bolikov, P. S., Dmitrieva, M. I. - Changes in phosphorus compounds and gas exchange in barley coleoptiles at high temperatures p. 49.

Krastina, E. E. - Ontogenetic changes in the daily rhythm of movement of kidney bean leaves. p. 62.

Petrov-Spiridonov, A. E. - Protective role of calcium ions under the unfavorable effects of the environment. p. 72.

Sinitskhin, A. M., TSareva, L. A. - Alternation of local and spreading stimulations in the rhythmic activity of a plant cell p. 83

IUdintseva, E. V. - Harmful effect of strontium-90 on wheat p. 94.

Peterburgskii, A. V., Postnikov, A. V. - Solid and liquid compound fertilizers, their investigation and possible use in the U. S. S. R p. 103

Gromyko, I. D., and others. - Genetic characteristics of Solonetz-type and carbonate-rich Solonetz soils in the Virgin Territory. p. 122.

Kolesnikov, V. A., Paikevi, I. - Growth and developmental phases of aerial parts and the root system of apple as related to the dynamics of uptake and distribution of tagged phosphorus. p. 132

Efimov, V. A. - Flowering of sour cherries as related to air temperature p. 148.

Arzumanian, E. A. - Breeding work in animal husbandry. p. 155.

Zherebtsov, P. I., Vrakin, V. F. - Modern concepts of nitrogen metabolism in the rumen of ruminants. p. 166

Kiselev, I. I. - Some problems in the theory of designing high-speed tractor-driven machinery. p. 176.

Kirillov, A. A., Sinitskov, V. K., Davydov, IU. S. - Steepness of slopes of underwater trenches. p. 195.

Silkin, A. M. - Determining the building qualities of peat. p. 200.

Kolesnev, S. G., Obukhovskii, V. M. - Some methodological problems in computing the cost of production on collective farms. p. 209.

IUrtsev, V. N. - Some anatomic characteristics of the development of axillary buds in clover. p. 220.

Lykov, A. M., Egorov, V. E. - Characteristics of organic substances in soils determined by Springer's method in a continuous experiment of the Timiriazev Agricultural Academy. p. 224.

Tepper, E. Z. - Methods for detecting the microorganisms of autochthonous microflora in agar media. p. 228.

Solntsev, A. I., Susova, N. I - Nitrogen metabolism in the rumen of ruminants. p. 234.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT UDOBRENII I AGROPOCHVOVEDENIIA. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF FERTILIZERS AND SOIL SCIENCE Transactions]. No 38, 1961. Voprosy izvestkovaniia dernovo-podzolistykh pochv [Problems in the liming of turf-Podzolic soils]

Table of contents translated

Introduction p 3

Kedrov-Zikhman, O. K. - Work results of the Soil Liming Laboratory of the All-Union Scientific Research Institute of Fertilizers and Soil Science, 1932-1959 p 7

Kedrov-Zikhman, O. K., Semenova, I. I., Kochetkova, A. N. - Results of using Ca^{45} in studying the liming of soils and the effect of the radioactivity of the radioisotope farm plants p 28

Semenova, F. I. - Effect of magnesium applied during the liming of soils on the yield of root crops p 71

Kedrov-Zikhman, O. K. - Effectiveness of various amounts of lime in crop rotations with perennial grasses p 92

Shederov, S. G. - Liming of soils in crop rotations with potatoes and flax p 104

Shederov, S. G. - Effect of liming in the organic substances of soils and fertilizers p 117

Romanenkova, M. M. - Effectiveness of simultaneous use of lime and farm manure in turf-Podzolic soils p 127

Akishin, L. I. - Effect of soil liming combined with the use of organic and mineral fertilizers on the improvement of long-fallowed lands in Arkhangel Province p 140

Sokolova, M. F. - Effect of soil liming combined with the use of organic and mineral fertilizers on the acidity of soils. p. 150.

Aliamovskii, N. I., Vorob'eva, V. A. - Peat ash as a liming material. p 161

Aliamovskii, N. I. - Waste of apatite and nepheline dressing plants as liming materials p 191

Aliamovskii, N. I. - Waste of cement plants as liming materials p 208

Aliamovskii, N. I., Kevorkov, A. P. - Waste of the vanadium industry as liming material. p 214

Murashov, N. A. - Effect of the waste of magnesium casting slag and dolomite dust on the agrochemical properties of turf-Podzolic soils, yield of farm crops and its quality p 218

Shederov, S. G. - Economic effectiveness of soil liming. p. 236

Aliamovskii, N. I., Vorob'eva, V. A. - Determining calcium and magnesium in liming materials by the trilonometric method p 246

Aliamovskii, N. I. - Results of the study of the simplest methods for a chemical analysis of liming materials. p 260

Kedrov-Zikhman, O. K. - Using molybdenum in the non-Chernozem belt of the Soviet Union. p 275

Kevorkov, A. P. - Studying industrial wastes containing trace elements p. 286

Danilova, T. A. - Effect of cobalt on plants. p 305.

*POCHVOVEDENIE [SOIL SCIENCE] Issued by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, no. 8, Aug. 1963

Table of contents translated.

Vinogradov, A. P. - Development of V. I. Vernadskii's theories p. 1.

Baranov, V. I., and others - Geochemistry of some natural radioactive elements in soils. p 11

Peive, IA. V. - V. I. Vernadskii and the study on the content of trace elements in soils p 21

Drozdova, T. V. - Role of humic acids in the geochemistry of soils. p. 40.

Gorbunov, N. I., Prusinkevich, Z., Gradusov, B. P. - Formation of clayey minerals in Podzolic soils on sandy rocks of various ages. p. 48.

TSyplenkov, V. P. - Changes in the mobility of humus substances in peat p. 56.

Nikolaev, V. M., Bagretsov, V. F., Lebedev, V. M. Reaction of the substitution of magnesium and aluminum ions for hydrogen ions in vermiculite p. 68.

Dmitrenko, P. A., Didychenko, A. P. - Effectiveness of single and multiple placement of mineral fertilizers in soils. p. 73

IAkubov, T. F. - Protecting soils against wind erosion p. 83.

Volkov, V. P. - Effect of slit furrowing on the water absorption by frozen soil p. 94.

Mazel', IU. IA. - Determining free phosphorus in soil p. 101.

Krupskii, N. K., TSygankenko, O. IU. - Studying ion exchange processes in soils under dynamic conditions. p 103.

Pasechnik, A. F. - "Qualitative evaluation of soils and its methods" by N. F. Tiumentsev. p 107

Bibliography. p. 109.

REFERATIVNYI ZHURNAL: POCHVOVEDENIE (Otdel'nyi vypusk 57) [JOURNAL OF ABSTRACTS: SOIL SCIENCE (Separate Issue 57)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 19, Oct. 1963.

SEL'SKII MLKHANIZATOR [THE RURAL MECHANIC] Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, no. 5, May 1963

Table of contents translated:

Sterkin, I. - Get acquainted with the Northwestern Main Design Office. p. 2 of cover
Shall', G. - How the workers on the Temlzhbekskii State Farm harvested their grain. p. 4.
Readers' letters. pp. 4, 24.
Rudenko, N. - On the first self-propelled combine. p. 6.
Samokhodskaia, I. - A wide cut. p. 7.
Naumov, S. - Machine operator, the land is yours! p. 8.
Zabrinskov, A. - Make preparations for pea harvesting. p. 10.
Speransov, N. - Tractors are filled in the field p. 11.
Pichugin, N. - Carrousel-type arrangement for milking parlors. p. 12.
Fedenko, A., Vasil'chenko, S. - We are changing to specialized repair. p. 14.
Tikhonov, L. - Machining the cylinder head. p. 14.
Regulating centrifuges. p. 16.
Starikov, M. - Double piston rings. p. 17.
Gimein, S. - Be careful! p. 17.
Kosenko, B. - Electric contact forming. p. 19.
Work clothes for a mechanic. p. 20.
Khodov, L., Krivonos, A. - New detergents. p. 21.
Shikhov, B., Chernomashentsev, A. - Through the gates of the Gorkiy Truck Plant. p. 22.
Save fuels. p. 23.
Belan, A. - Watch out - children! p. 24.
Stone removing machines. p. 25.
They accomplished what they had in mind. p. 26.
Bardinova, A., Dobrusin, D. - For those who study. p. 28.
Matveev, V. - Reaper and pick-up mechanism. p. 30.
Strel'tsova, N., Kvit, V. - Aids for technical maintenance. p. 32.
Care of electric equipment. p. 32.
How wages are paid for field work. p. 34.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO NECHERNOZEMNOI ZONY [AGRICULTURAL PRODUCTION OF THE NON-CHERNOZEM ZONE]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov and Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of the Production and Procurement of Agricultural Products and the Ministry of Agriculture of the R.S.F.S.R.]. Moscow, vol. 1, no. 9, 1963.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SEVERNOGO KAVKAZA I TsChO [AGRICULTURAL PRODUCTION OF THE NORTHERN CAUCASUS AND THE CENTRAL CHERNOZEM REGION]. Organ of Ministerstvo proizvodstva i zagotovok sel'khozproduktov RSFSR and Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of the Production and Procurement of Agricultural Products of the R.S.F.S.R. and the Ministry of Agriculture of the R.S.F.S.R.]. Krasnodar, vol. 1, no. 9, Sep. 1963.

SOTSIALISTLIK POLLUMAJANDUS [SOCIALIST AGRICULTURE]. Issued by Eesti NSV Pollumajandussaaduste Tootmise ja Varumise Ministeerium [Ministry of the Production and Procurement of Agricultural Products of the Estonian S.S.R.]. Tallinn, vol. 18, nos. 18-19, Sep.-Oct. 1963. [In Estonian]

TEKHNIKA V SEL'SKOM KHOZIAISTVE [MACHINERY IN AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 23, no. 5, May 1963.

Table of contents translated:

Organization of the maintenance and repair of machines and tractors. p. 1.
Kondaurova, A., Kosnikov, N. - Economics of the production of sugar beets. p. 4.
Lysenko, A., Volik, A., Grechko, V. - Increasing operating speeds of machinery in corn growing. p. 10.
Dolgii, L. - Weed coverers in corn fields. p. 14.
Karpov, L. - Modifying the picker of the S-4M combine for pea harvesting. p. 15.
Voitov, P. - Placement of liquid fertilizers. p. 18.
Beliak, B., Balina, I. - Weed control in carrot fields. p. 21.
Shishlakov, N. - New technology on a dairy farm. p. 22.
Mkrtumian, V.; Potukhov, N. - Universal milking installation. p. 25.
Khlopkov, N., Likovlev, V. - Fattening swine on a state farm. p. 28.
Iskanov, N. - Unit for sheepshearing. p. 31.
Nikolaev, A. - Cable-driven scraper unit for regulating water collectors. p. 33.
Iosipian, S. - Electric motors with reducing gears. p. 36.
Savchenko, G. - Automatic switching-in of a charging power supply. p. 39.
Belous, D., Ladan, P. - The T-74 tractor. p. 41.
Gorozhankin, V. - Operating gear of the DT-75 tractor. p. 45.
Orel, M., Popov, V. - The STSN-6 sugar beet planter. p. 49.
Lakodai, F. - Maintenance service according to schedule. p. 51.
Kozlov, V. - Improving the roadability of motor-trucks. p. 54.
Inber, F., Skachkov, P. - Arch tires for trucks. p. 56.
Prudkii, N. - Repairing tractors according to a year-round schedule. p. 59.
Maksimov, L., Bluvshtein, D., Kovnatskii, V. - Special repair brigades on collective farms. p. 61.
Dazhin, V. - Making use of welding deformations in repairing. p. 63.
Lopotan, IU., Sushkevich, M. - Reconditioning crank bearings of engines. p. 65.
Prokhorova, M. - Polymer coatings on the vibrating screens of potato harvesting machines. p. 66.
Bogolepov, IU., Pribolkin, IA. - The PKBN-75 shrub and bog plow. p. 69.
What the skillful farm workers are working on. p. 71.
Ishchenko, M. - Universal turbosprayer. p. 75.
Konovalov, V. - Measures for livestock protection on electrified farms in the German Democratic Republic. p. 78.
Review of articles published in the periodical "Sel'skoe khoziaistvo za rubezhom." p. 79.
Sachii, S. - Cultivators. p. 86.
Machines for hay harvesting. p. 89.
Fedan, V. - Plants for repairing by replacing parts. p. 93.

VESTNIK SEL'SKOKHOZIAISTVENNOI NAUKI [REVIEW OF AGRICULTURAL SCIENCE] Issued by Ministerstvo sel'skogo khoziaistva Kazakhskoi SSR [Ministry of Agriculture of the Kazakh S.S.R.]. Alma-Ata, vol. 6, no. 5, May 1963.

Table of contents translated:

Bukharov, A. P. - Cost of vegetable production on the suburban state farms of Alma-Ata. p. 3.
Abugaliev, I. A., Bitiashev, G. Z. - Regulating the production of sugar beet seed. p. 9.
Lukashev, A. A., Chasovitina, G. M. - Growing corn along with soybean in southeastern Kazakhstan. p. 13.
Barsenovskii, P. M., Zhalilbaev, K. N. - Characteristics of the growth and the formation of corn and soybean crops grown in mixed stands in irrigated fields. p. 21.
Zykov, IU. D. - Origin of Semirech'ye alfalfa. p. 27.
E. M. Zenkova, Otarov, G. O. - Preceding crops for winter wheat in unimproved dry areas of southeastern Kazakhstan. p. 37.
Lupanov, Zh. L. - Effect of aldrin on the germination of seeds of some corn varieties. p. 43.
Petrov, A. I., Metlitskii, A. V. - Results of comparative judging of rams according to the quality of their progeny. p. 46.
Ignat'ev, V. A., Reshiakov, A. K. - Effectiveness of feeding carbamide and defluorinated Kara-Tau phosphate to milk cows. p. 50.
Sarsenov, A. S. - Needles of Schrenk spruce from Alma-Ata Province as a valuable supplementary vitamin feed for calves and chicks. p. 56.
Dilisev, K. M. - Pathogenetic therapy and nonspecific prevention of helminthiases in farm animals. p. 62.
Khanin, M. A., Tynybekov, I. A. - Bloodless (subcutaneous) method for castrating young rams and bull calves with I. A. Teliatnikov's forceps. p. 65.
Rudenko, T. P. - Healing effectiveness of antibiotics of the neomycin series and furazolidone in colienteritis of newborn calves. p. 68.
Sakharov, I. V. - Dynamics of grass drying for hay in compressed piles. p. 73.
Bocharov, A. P. - Measuring the wind resistance of the soil surface of fields by an aerodynamic device. p. 76.
Galiapin, IU. A. - Aerosol method for controlling sawflies, pests of birch in the Virgin Territory. p. 80.
Elemanov, A. E., and others. - Tumabai Bokenbaevich Bokenbaev; an obituary. p. 91.
(DNAL)

VESTNIK SEL'SKOKHOZIAISTVENNOI NAUKI [REVIEW OF AGRICULTURAL SCIENCE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 8, no. 4, Apr. 1963.

Table of contents translated:

Kirichenko, F. G. - Effect of plant selection, based on the strength of the root system on the increase of the yield and the improvement of its quality in the progeny. p. 3.
Shul'gin, I. A., Kuperman, F. M., Mertsalov, S. M. - Effect of the spectral composition, intensity of radiation, and duration of photoperiods on the development, growth, and morphogenesis of plants. p. 21.
Petrunin, V. M. - Development of the root system and the yield of corn under irrigation. p. 34.
Chekanova, N. I. - Forage beans as a valuable predecessor for grain crops in the Altai. p. 40.
Drozdov, N. A., Pavlov, V. S. - Effect of the derivatives of benzimidazole and succinic acid on the growth and yield of corn. p. 41.
Gol'fand, B. I. - Wintering peas and the increase of the fertility of rice fields. p. 48.
Viter, A. F. - Basic tillage for leached Chernozems and gray forest soils in Orel Province. p. 52
Gumeniuk, I. G., Miroshnikov, A. N., Postnikov, M. P. - Raising calves on rations with an increased content of silage. p. 58.
Ruban, IU. D. - Structure of the integument in animals of various constitutional types. p. 63.
Vainshtein, IA. I. - Daily regimen and behavior of swine in the system of group maintenance and self-feeding. p. 67.
Danilenko, I. A., Kalinina, A. A. - Carotene content of corn, legumes, and sugar beets. p. 71.
Platov, E. M. - Preventive action of hypertonicity in rapid freezing of bull's semen. p. 75.
Gustun, M. I. - Biogeochemical province poor in iodine. p. 77.
Movchan, V. A., Strel'nikov, S. I. - Quality of young-of-the-year carp in one-year culture. p. 81.
Liakh, V. M., Pivovar, S. G. - Recent developments in the technology of corn growing. p. 85.
Zavalishin, F. S. - Rhythmicity of operations in farm work. p. 89.
Vasilenko, A. A., Goncharov, E. S. - Centrifugal vibration method for grain separation p. 95.
Nazimov, M. A. - Evaluating the quality of grading seeds by specific weight and moisture. p. 101.
Berliner, M. A., Krausp, V. R. - Automation of shaft grain dryers. p. 105.
Vasil'ev, G. I. - Improving "worthless" sandy lands by pine growing. p. 111.
Gorin, T. I. - Transpiration of fruit trees in summer. p. 114.
Seredenko, A. I. - Effect of pollinizing varieties on the hybrid progeny in peach. p. 118.
Tikhomirov, M. I. - Methods for economic evaluation of the structure of crop acreages and rotations on state and collective farms. p. 121.
Khitrinskii, V. F. - Methods for protection against winterkilling the first and second generations of spring crops transformed into winter crops. p. 128.
Andreev, S. V., Martens, B. K., Molchanova, V. A. - Using radioactive isotopes in determining the quality of the spraying of farm crops with pesticides. p. 135.
Veselovskii, I. A., Kuznetsova, O. - Recent developments in breeding potatoes for frost resistance of the tops p 139.
Ustinov, D. A., Kozunin, I. I. - Methods for ultraviolet irradiation of animals p. 141.
Bakhmutov, V. A., Udovin, G. M. - The training level of specialists and research workers is rising. p. 144.
Oleinikova, T. - Following Michurin's path. p. 146.
Meksin, D. - A great sorgo breeder. p 149.
Il'ichev, A. - Agricultural education in Czechoslovakia. p. 152.
Maksimova, S. - Coordination of research on potato growing. p. 154.
Gritsenko, S. - In the Ministry of Agriculture of the Ukrainian S.S.R p. 155.
Lashkov, A. - The 70th anniversary of the Sochi Arboretum. p. 156.

VISNYK SIL'S'KOHOSPODARS'KOI NAUKY [REVIEW OF AGRICULTURAL SCIENCE]. Issued by Ministerstvo sil's'koho hospodarstva Ukrains'koi RSR [Ministry of Agricultural Sciences of the Ukrainian S.S.R.]. Kiev, vol. 6, no. 8, Aug. 1963.

Table of contents translated:

Kuz'menko, M. V. - Make more extensive use of the achievements of science and practice in sowing winter crops. p. 3.
Pavlenko, M. K. - Experiments at the Kagarlyk Regional Administration in the introduction of the achievements of science and advanced practices in agriculture. p. 8.
Samoilenko, A. P. - Efficient structure of a cattle herd in case of various marketing time for young cattle. p. 18.
Revuka, V. S. - Technical and economic indices of the K-3 and KGP-2 potato harvesting combines. p. 21.
Petruchenia, S. I., Starshov, A. I., Antonov, IE. M. - Automation of calculations and weighing of animals. p. 26.
Martynovych, M. M., Martynovych, L. I. - Water balance of soil and some problems concerning cultivation practices for winter wheat sown after peas. p. 31.
Bondarenko, V. I., Povzik, M. M. - Development of the root system and productivity of winter wheat as related to sowing time. p. 40.
IEremeiev, M. I. - Reaction of winter wheat varieties to the sowing time after different preceding crops. p. 46.
Arkusha, V. IU. - Studying the effectiveness of herbicides in corn fields. p. 49.
Pyshcheva, Z. M. - Quality of monospermous sugar beet seeds as related to the harvesting time of seed plants. p. 53.
Khanin, M. D. - Use of supplementary fertilizers for hemp. p. 57.
Prochaiov, V. P. - Effect of some chemical substances on the keeping quality of hop cones. p. 59.

Makarenko, P S - Practices in the establishment of
B 15a- permanent cultivated pastures p 62.
15c Shepel', M A - Increase of the absolute weight and changes in the chemical composition of freshly gathered sorgo seeds during the drying period p. 69.
Lytvak, P.V. - Practices in growing Karelian birch in the Ukrainian Polesye p. 71.
Mezhennyi, IA. P., Orlov, O.M., Kercha, IU. IU. - Experiments in the use of "USKhA nitrophoska" fertilizer in growing forest tree seedlings p. 74.
Kubyshkin, V.P - Calculating subsurface drainage by the electric modeling method. p. 76.
Shypnyk, O.V. - Mole drainage without artificial downgrade. p. 86.
Marchyk, V.P., Bielov, L.M. - Broiler plant. p. 93.
Husteinov, F.Kh - Keeping suckling sows in groups with young pigs. p. 99.
Smirnov, O P. - Powdered sulfur as a growth and development stimulator for swine. p 105.
Fortushnyi, V O., Shmidov, P.M - Development of the resistance of paratyphoid bacteria against antibodies as related to the duration of the antibiotic treatment of animals p 108.
Hermaniuk, IA L. - Nucleic acids and the enzymes ribonuclease, and (2') 3'-ribonucleotidase in the tissues of the digestive tract in cattle p 114.
Agriculture abroad. p. 117.
Vinnyts'kyi, K.O. - Scientists on the development of fruit culture based on the use of dwarf stocks p. 120.
A.O. Vasylenko, obituary. p. 124.

b ANIMAL INDUSTRY

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut ikhtiologii i rybnogo khoziaistva. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Ichthyology and Fisheries. Transactions]. Alma-Ata, vol. 4, 1963. Voprosy rybnogo khoziaistva Kazakhskoi SSR [Fishery problems of the Kazakh S.S.R.]

Table of contents translated:

Foreword. p. 3.
Konovalov, P.M. - Methods for increasing the stock of commercial fishes in the Ural River-Caspian region. p. 5.
Tikhonov, G.P. - Reproduction of semimigratory fishes in the Ural River-Caspian region. p. 19
Peseridi, N.E. - Reproduction of sturgeons in the Ural River p. 33.
Tlenbekov, O.K. - Present state of the Ural Delta. p. 47.
Martekhov, P.F. - Present state and the problem of rational management of fisheries in the bodies of water of Kazakhstan. p 57.
Volodkin, A.V. - Present state of and methods for increasing the fish stock in the Aral Sea. p. 69.
Bykov, N.E. - Characteristics of the spawning population of Baltic herring in the Aral Sea and the growth characteristics of its different colonies. p. 75.
Galaktionova, E.L. - Artificial cultivation of the Aral barbel after the regulation of the flow of the Syr Darya River. p. 84.
Nekrashevich, N.G. - Taxonomy and ecology of wild carp in the Ala-Kul' lakes. p. 98.
Martekhov, P.F. - Chars of the Balkhash region and their biocoenotic and economic significance p. 124.
Tiuten'kov, S.K. - Acclimatization of mysids and the possibility of introducing other Pontocaspian invertebrates into Lake Balkhash. p. 152.
Zolotov, G.N. - Studying the reaction of young fishes in the zone of action of a moving electric field p 175
Konarbaev, U., Amangaliev, D. - Possibilities for a greater catch of Caspian gray mullet in Shevchenko District. p 187.
Amangaliev, D - Rationalization of ice fishing in the bodies of water of Kazakhstan p. 190.
Kulenov, K.K. - Fishing regulations and the tasks of control and fishing organizations of Kazakhstan. p. 195.
Konovalov, V.P. - Production of canned sprat without searing. p. 202.
Ezerskii, S.V. - Experimental and commercial preservation of Caspian sprats with sodium pyrosulfite for the production of fish meat. p. 211.
Kairov, I.K. - Economic effectiveness of fisheries in the Gur'yev administrative district. p. 234

MOLOCHNAIA PROMYSHLENNOST' [DAIRY INDUSTRY]. Issued by Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 24, no. 9, Sep, 1963.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT VETERINARNOI SANITARII. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF VETERINARY SANITATION. Transactions]. Vol. 14, 1959. Nauchno-issledovatel'skie raboty po veterinarnoi sanitarii [Scientific research papers on veterinary hygiene].

Table of contents translated

Andreev, K.P - Some results and future application of the aerosol method for controlling injurious and parasitic insects and ticks p 3.
IAnovich, G.I. - Use of aerosols in controlling sheep botflies. p. 5.
Nechinennyi, D K., Li, P N., Kartashev, M.V. - Use of aerosols in controlling ectoparasites of farm animals p. 6.
Vranchan, Z E - Effect of DDT and hexachloran aerosols on houseflies. p. 8.
Mitrofanov, A.M., Andreev, K.P. - Use of aerosols in controlling ectoparasites in livestock buildings p. 9.
Nikolaev, V.A - Protection of herds against botflies and flying bloodsucking insects as a prophylactic method against necrobacillosis of reindeer p. 11.
Nikolaev, V.A. - Use of hexachloran smoke pots in protecting deer herds from botflies and bloodsucking insects in the tundras of the Nenets National Area p 13.
Kurmanov, I.A. - Clinicohematological indices in cattle after external treatment with DDT and hexachlorocyclohexane preparations p. 15.
Sal'nikov, N.P. - Nicochlorane, a new preparation for controlling arthropod parasites in animals and poultry. p. 16.
Kurmanov, I.A. - Insecticidal and acaricidal characteristics of nicochlorane p. 19
Priselkov, A.M., Poliakov, D.K - Toxicity of nicochlorane p. 20.
Kurmanov, I.A. - Toxicity of nicochlorane for cattle. p. 24.
Ivashkov, I.S - Larvae of Hypoderma bovis parasitizing in the spinal canal of cattle. p. 29
Shkabrov, N.K, Khatin, M.G. - Use of chlorophos against Melophagus infestation in sheep. p 31.
Shkabrov, N K, Khatin, M.G. - Therapy of Melophagus infestation in sheep. p 33.
Poliakov, D.K - Morphological changes in the skin of cattle infested with Demodex bovis as indices of a series of biological processes in the parasite. p. 34.
Poliakov, A.A. - Chemicals for disinfecting manure. p 36.
Rabova, G S. - Disinfection of surfaces infected by microbial spores at low temperatures. p. 38
Nikol'skii, B.A., Bubnov, V.D. - Disinfection of rabbit hutches infected with coccidia by using the LSD-3 hydraulic flamethrower. p. 42.
Arkhipov, V.V. - Possibilities of using atomic energy for disinfecting raw hides and skins, wool and bristles. p. 43.
Bubnov, V.D., Krasnoshchekov, V A. - Resistance of the agent of swine erysipelas to mesophilic fermentation of manure. p. 46.
Zharov, V.G., Poliakov, A.A. - Survival of Pasteurella avis in the carcasses of birds. p. 47.
Poliakov, A.A., IArnykh, V.S. - The LSD-1 aerial production unit for disinfection p. 50
Mironov, A.N. - Inspection of meat and meat products by an expert of veterinary hygiene. p. 58.
Mutovin, V I. - Resistance of milk lysozyme to gamma rays of radioactive cobalt (Co^{60}). p. 61.
Naimushina, L.E., Borozdina, A.S. - Specificity of reactions in the examination of goatskins as to their anthrax infection. p. 63.
Naimushina, L.E. - Effect of ionizing radiation of cobalt on the components of precipitation reaction in anthrax. p. 68.
Mutovin, V.I. - Latent (subclinical) mastitis in cows and its control. p 69.
Bobyleva, E.A. - Rapid method for the adaptation of foot-and-mouth disease virus to guinea pigs. p. 73.
Levenberg, I.G. - Vesicular microflora in experimental avinia. p. 76.
Gavrilovich, V.I., Dodonova, N.N., Arkhipova, V R. - Latent infections of monkeys caused by a group of viruses pathogenic to man including the virus of Aujeszky's disease. p. 77.
Bubnov, V.D. - Effect of cobalt radiation (Co^{60}) on the development of the eggs of ascarids and trichocephalus of swine and the eggs of Fasciola. p. 83.
Mutovin, V.I., Noskov, A.I. - Biomycin (aureomycin) against swine ascaridosis. p. 85.
Spesivtseva, N.A., Noskov, A.I. - Epizootic lymphangitis in camels. p. 86.
Noskov, A.I. - Specific antigenotherapy in cattle trichophytosis. p 86.
Kvashnina, E.S. - Determining the toxicity of samples of feeds causing fusarium toxicosis in domestic animals. p. 88.
Kvashnina, E.S. - Water-soluble toxic substances from fungi of the genus Fusarium. p. 89.

OKHOTA I OKHOTNICH'E KHOZIAISTVO [HUNTING AND GAME MANAGEMENT]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 9, no. 10, 1963.

REFERATIVNYI ZHURNAL: ZHIVOTNOVODSTVO, VETERINARIIA (Otdel'nyi vypusk 58) [JOURNAL OF ABSTRACTS: ANIMAL HUSBANDRY, VETERINARY MEDICINE (Separate Issue 58)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 19-20, Oct. 1963.

RYBNOE KHOZIAISTVO [FISHERIES] Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po rybnomu khoziaistvu [State Committee of the Council of Ministers of the U.S.S.R. for Fisheries]. Moscow, vol. 39, no. 8, 1963

Table of contents translated.

Moiseev, P.A - Some tasks of fishery research with regard to the resolution of the Central Committee of the CPSU and the Council of Ministers of the U.S.S.R "On measures for further development of biological science and the strengthening of its ties with the practice." p 3
Zaitsev, G N - Effect of oceanological factors on the distribution and fisheries of codfish in the Barents Sea. p 10
Dmitriev, N.A - Biological basis for controlling herring fisheries in the White Sea p 20
Rybnikov, V S - Use efficiently the fish stocks in the bodies of water of Yakutia p 25
Mikhailov, B N - Use the stocks of the prawn Leander adspersus of the Black Sea p 30.
Kol'gaev, A.M. - Egg incubation and keeping of the prelarvae of salmon in gravel. p 32
Sukhoverkhov, F M, Krymova, R V., Fatberov, V.G. - Effect of cobalt on the growth and hematological indices of carp. p 35
Zarovskii, L., Laufer, V - Fishing in the English Channel p 39
Blestkina, V.V - Effect of the sea bottom on the hydrodynamic indices of the otter board. p. 44
Sidorov, A B, Fedorov, V.E - New trawl for Baltic herring and sprats. p. 46
Biyntsev, N - Some parts of the trawl equipment for catching flatfish p 51
Kosonogov, A I - We are working on the 1966 account. p 53
Kololev, I I, Barkov, V G. - Experts at large catches p. 56
Gonikman, I.G. - Floating academy p 65.
Andrienko, M A - Canned saury p. 70
Ten'kovskaia, V S, Gadzhieva, S G - Sprat in mustard sauce, a new type of canned fish p. 72.
Saburenkov, N.M. - Some problems concerning Professor V N. Voinikanis-Mirskii's article "The type of engineer we need." p. 73.
Zhukov, V M - Public participation in the department of fishing control p 79
Cherniaev, Zh A - Vibert's hatching device. p. 80.
Vasil'ev, V.K - Automatic device for manufacturing ice flakes p. 81.
Voitolovskii, G.K. - Cooperation in the development of sea fisheries p 83.
Consultations. p. 85.
Naumov, V M - Annual conference of marine research institutes p 86
New literature on the fishing industry p 89

RYBOVODSTVO I RYBOLOVSTVO [PISCICULTURE AND FISHING] Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 6, no. 5, Sep.-Oct. 1963.

c FORESTRY

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Institut lesa i drevesiny. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Institute of Forest and Wood. Transactions]. Krasnoyarsk, vol. 66, 1963. Organizatsii lesnogo khoziaistva i inventarizatsiia lesov [Organizing forest management and taking stock of forests].

Table of contents translated:

Semechkin, I.V. - Characteristics of the valuation of stands in relation to the types of age structure p. 3.
Lebkov, L.F., Semechkin, I.V. - Classification scale for Siberian pine stands. p. 29.
Kharin, N.G. - Spectrophotometric study of vegetation in Tuva. p. 29.
Kharin, N.G. - Time for aerial photographic surveying of forests in various areas of the U.S.S.R. p. 43.
Shcherbakov, N.M. - Organization of forest management in multipurpose Siberian pine forests. p. 51.
Sokolov, G.A. - Profitableness of commercial hunting in mountain Siberian pine forests of southern Siberia. p. 61.

LESNOE KHOZIAISTVO [FORESTRY]. Issued by Gosudarstvennyi komitet po lesnoi, tsellyulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and TSentral'noe pravlenie NTO lesnoi promyshlennosti i lesnogo khoziaistva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry]. Moscow, vol. 16, no. 2, Feb. 1963.

Table of contents translated:

Care for young forest growths is a concern of all forest workers. p. 2.
Stanislav, I.I. - Strip method for gradual cuttings. p. 5.

Elagin, I. N. - Age of reforestation cuttings in aspen forests of the forest-steppe. p. 8.
Savin, E. N. - Strip method for spruce and spruce-hardwood stands. p. 10.
Malatskii, I. N. - Studying the interaction between oak and shrubs by means of labeled phosphorus. p. 15.
Liubich, D. D., Stepin, V. V. - Role of the side surface of stands in determining current annual increment. p. 18.
The 70th anniversary of the Sochi Arboretum. p. 21.
Khanbekov, I. I. - Our tasks and prospects. p. 21.
Il'in, A. I. - Principal yield cuttings in mountain forests of the Northern Caucasus. p. 24.
Koval', I. P. - Forests of the Black Sea Coast. p. 29.
Pis'mennyi, N. R. - Some results of reforestation work. p. 32.
Vstovskii, L. A., Starikov, G. F. - Provide the Far East with productive poplar stands. p. 39.
Red'ko, G. I. - Poplar plantations in the Ukraine. p. 41.
Toropogritskii, D. P. - Planting pine during winter thaws. p. 43.
Grishin, P. M. - Characteristics of fruiting in the larch and the procurement of larch seeds in Ivanovo Province. p. 45.
Orlov, F. B., Kizenkov, V. E. - Results of experimental airplane sowing in Archangel Province. p. 48.
Razumovskii, F. M. - Practices in airplane sowing on burnt-over lands. p. 52.
Khibarin, B. S., Chervonnyi, M. G. - Protective equipment for fire fighting parachutists. p. 53.
Unovidov, A. P. - Controlling the desiccation of pine needles during the dormant period. p. 55.
Luk'ianchikov, V. P. - Granulosis virus in controlling the tent caterpillar Dendrolimus sibiricus. p. 57.
Avramenko, I. D. - Forecasting the appearance of the common pine sawfly. p. 58.
Molchanov, A. A. - Optimal extent of forests in the Central Chernozem Region. p. 60.
Shchekotin, E. A. - Use properly the PKNL-500 ditch excavating plow. p. 63.
Kruchinin, P. I., Ovchinnikov, V. A. - Possibilities of mechanizing afforestation work on tailing heaps. p. 66.
Alekseev, IU. M. - Provisional modification of motor vehicles into dump trucks. p. 69.
Bospalov, P. V. - Repairing the "Druzhba" motorless saws. p. 70.
Surmach, V. M., Chernushev, V. V. - Mechanization of reforestation work. p. 71.
Khitrink, G. S., and others. - What we learned from A. I. Chernogor. p. 76.
Militutin, N. P. - Scientific and technological community in the strive for increased labor productivity. p. 79.
Maslikov, S. V. - To the heroes of the Brest Fortress. p. 80.
Gorev, T. I. - Everyday work of a forester. p. 81.
New books to be published by the State Publishing House of Agricultural Literature. p. 84.
Morozov, I. R. - A small book on great deeds. p. 85.
Perepechin, B. M. - A book on the Fifth World Forestry Congress. p. 86.
New books. p. 87.
From the pages of foreign journals. p. 88.
Ostrovskaia, L. N. - Forests in Cuba. p. 89.
Nikolai Nikolaevich Romanskii; an obituary. p. 91.
Brief news. p. 92.

Vol. 16, no. 5, May 1963.
Table of contents translated:
Increasing the forest production is the most important task. p. 2.
Work results and new tasks of the foresters of the Russian Federation. p. 4.
Chuprov, N. P. - Role of the young spruce growth in the development of spruce-birch stands. p. 7.
Platetskii, G. E. - Productivity of drained bogs in Karelia. p. 9.
Suleimanov, G. N. - Characteristics of natural reforestation in mountain areas of the Lenkoran Lowland. p. 14.
Alekseandrova, V. D. - Applying the ideas and methods of cybernetics to biology and forestry. p. 16.
Kronitis, J. - Reliable and inexpensive method for establishing Norway spruce plantations. p. 22.
Pavlovskii, E. S. - Practices in growing forest shelterbelts by the diagonal-group method. p. 24.
Gershun, M. S., Guzeeva, T. N. - Possibilities of the use of herbicides in one-year-old forest plantations. p. 30.
Liubavskaia, A. IA. - Characteristics of growing Karelian birch seedlings in nurseries of the Moscow region. p. 33.
Put shelterbelt afforestation on a higher level. p. 36.
Kibler, V. F., Toporkov, S. S. - Pay attention to the protection of cutover areas from forest fires. p. 43.
Zhitenev, L. - Fire observation tower with a movable cabin. p. 44.
Rudnev, D. F. - Low-volume aerial spraying in controlling forest pests in the Ukraine. p. 45.
Pests of hardwood plantations and their control; review of articles. p. 49.
Vasilenko, A. V. - Improving the RDOS-1 sprayer. p. 52.
Dzhikovich, V. L. - Planning forest management in a combined enterprise. p. 53.
Kozlovskii, A. A. - Urgent problems in game and forest management. p. 57.
Klimov, G. B., Pozhilov, E. I. - Mechanizing the care of plantations on cutovers with uncleared stumps. p. 61.
Zima, I. M., Makaruk, I. F. - Using new machines in afforestation. p. 63.
Arslanov, A. Kh. - Plow with a spring-tooth harrow for intertillage in forest nurseries p 65.
Brief information. p. 66.
Trofimov, V., Akhunov, A. - Give the green light to a combine forest economy. p. 69.
Raud, G. I., Smirnov, V. V. - Traveling through the forests of Estonia. p. 73.
Gorev, G. - Enthusiastic workers. p. 76
Gushchin, I. - Lectures of the Public Correspondence Course Institute of the Central Administration of the Scientific and Technological Department of the Forest Industry and Forest Management. p. 77.
Letters to the editor. p. 79.
Book reviews and bibliography. p. 80.
Our consultations. p. 85.
Biziaev, I. A., Moroz, P. I., Rostovtsev, S. A. - Poplar plantations in Yugoslavia p. 88.
Brief news and information. p. 94.

Vol. 16, no. 6, June 1963.
Table of contents translated
Orlov, G. M. - Raise forestry to a higher level! p. 2.
Molekhova, I. S. - Improving the productivity and preservation of forests. p. 5.
Decision of the conference on the improvement of the productivity and preservation of forests. p. 11.
Kolliarov, I. I. - Investigating the growth of Korean pine by means of the equation of the unitary line of correlation. p. 14.
Smirnov, V. V. - Needle resources in spruce forests. p. 17.
Bagaev, S. N. - Karelian and burly birches in the forests of Kostroma Province. p. 20.
Kovtunov, V. P. - Mass breaking of trees under the load of snow in the Ivana Franko Forestry and Logging Unit. p. 23.
Labaznikov, B. - Methods for calculating the average height of stands. p. 25.
Anisimov, A. I. - Practices in growing shelterbelts in the Astrakhan area of the trans-Volga region. p. 27.
Nikitin, I. N. - Results of interspecific and intergeneric grafting of valuable conifer species. p. 32.
Golovashchenko, V. P. - Using growth promoting substances of petroleum origin in pine plantations. p. 35.
Lazorenko, I. F. - Pine and larch plantations in the taiga of the Salair Ridge. p 37.
Reutov, V. V., Kiseleva, S. I. - How we grow Siberian pine seedlings. p. 38.
Kossinskaia, I. S. - Preventive measures against the snow blight of pine in forest plantations of the taiga zone. p. 39.
Mirzoian, S. A. - The poplar leaf miner Lithocolletis populifoliella and its control. p. 42.
Flerov, B. K. - Fungi causing stock rot in Caucasian beech. p. 43.
Vorontsov, A. I., Mozolevskaia, E. G. - Second Intercollege Conference on Forest Protection. p. 45.
Biological methods in forest protection. p. 47.
Ponomarev, A. D. - Forest resources of the U. S. S. R. p. 48.
Mukhin, A. I. - Collective farm forests. p. 56.
Vasil'ev, P. V. - Forest resources of the U. S. S. R. evaluated on the basis of the indices of world forestry statistics. p. 60.
Kurabakl, A. K. - Apparatus for cleaning and grading conifer seeds. p. 68.
Samodelkin, N. V. - Utilization of logging waste. p. 70.
Liakhovich, V. B. - Our practice in
of improvement cuttings in shelt
Apostolov, IU. S., Sheinkam, E. S.
for office work. p. 73.
Brief information. p. 75.
Exchange of experience. p. 79.
Thirty-five years of fruitful work.
Letters to the editor. p. 86.
Tiurin, A. V. - Studies on forest m
Book reviews and bibliography. p.
Brief news. p. 95.

MASTER LESA [MASTER LUMBERM
TsK Profsoiuza rabochikh lesnoi,
revoobrabatyvaiushchei promyshlo
Committee of the Trade Union of W
Forest, Paper, and Woodworking
cow, vol. 7, nos. 9-10, Sep.-Oct.

MUSU GIRIOS [OUR FORESTS]. Issue
Misku ukio ir misko pramones mir
apsaugos komitetas prie Lietuvos
bos [Ministry of Forestry and Lun
Lithuanian S. S. R. and the Commit
Attached to the Council of Ministe
S. S. R.]. Vilnius, nos. 7(180)-8(1
[In Lithuanian]

REFERATIVNYI ZHURNAL: LESOVE
VODSTVO (Otdel'nyi vypusk 56) [J
STRACTS: FORESTRY AND FORE
MENT (Separate Issue 56)]. Issue
noi informatsii Akademii nauk SSS
entific Information of the Academy
the U. S. S. R.]. Moscow, no. 10,

d PLANT CULTURE

FILLOKSERA I MERY BOR'BY S NEI [PHYLLOXERA AND MEASURES TO CONTROL IT] Issued by Institut zoologii Akademii nauk Moldavskoi SSR [Institute of Zoology of the Academy of Sciences of the Moldavian S. S. R.]. Kishinev, no. 1, 1961
Table of contents translated
Prints, IA. I. - The Phylloxera problem at present p. 3.
Prints, IA. I., Kozlov, V. M., Slonovskii, I. F. - Results of six years' testing of dichlorethane and its purified still residues in Moldavia. p. 9.
Prints, IA. I., Kozlov, V. M., Slonovskii, I. F. - Results of three years' testing of hexachlorobutadiene in controlling Phylloxera (Phylloxera vastatrix Planch.). p. 17
Kiskin, P. Kh. - Methods for determining the resistance of grapes to Phylloxera p. 30.
Kiskin, P. Kh., Chebotar', T. I. - Determining the resistance of grapes to Phylloxera according to a hundred-point system. p. 47
Shtin, M. E. - Speed of the formation of wound periderm in grape roots of various resistance to Phylloxera. p. 52.
Mil'ko, A. A. - Decay of grape root after injuries by Phylloxera. p. 59.
Kiskin, P. Kh. - Effect of the time of infection with Phylloxera on the life span of a grapevine p. 67.
Kiskin, P. Kh. - Regeneration of roots and the resistance of grapes to Phylloxera. p. 71.
Prints, IA. I., Kiskin, P. Kh. - Development of Phylloxera-resistant and high-quality grape varieties p. 82

REFERATIVNYI ZHURNAL: RASTENIEVODSTVO (Otdel'nyi vypusk 55) [JOURNAL OF ABSTRACTS: PLANT CULTURE (Separate Issue 55)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 9, Oct. 1963.

VINODELIE I VINOGRADARSTVO SSSR [WINE MAKING AND VITICULTURE IN THE U. S. S. R.]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 23, no 6(221), 1963.

ZASHCHITA RASTENII OT VREDITELEI I BOLEZNEI [PROTECTING PLANTS AGAINST DISEASES AND PESTS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U. S. S. R.]. Moscow, vol. 8, no. 5, May 1963.
Table of contents translated:
Economic use of machines. p. 1.
Kuznetsova, E. G., Nosyreva, R. D. - On the Lenin State Farm. p. 4.
Asauliak, IA. I. - Successes of fruit growers on the "Leont'evo" State Farm. p. 8.
Kuznetsov, M. G., Onoichenko, V. T. - Aeronautics in plant protection. p. 9.
Solov'ev, P. A. - A large reserve. p. 12.
Grinberg, Sh. M. - Economic method. p. 14.
Readers' letters. - pp. 15, 16.
Konashevich, V. A., Tukalevskii, I. M. - Controlling the European corn borer. p. 16.
Makhnovskii, I. K., G
controlling moths.

Diadechko, N. P., Kovtun, I. V. - Controlling the Colorado beetle in self-sown potato fields. p. 49.
Litvin, V. M. - Herbicides for controlling wild oats in Canada. p. 50.
Bookshelf. p. 52
Savzdarg, E. E. - Strawberry protection. p. 53.
Ekonsikin, V. M. - Wireworms in tomato plantations. p. 54
Korchagin, V. N. - Controlling aphids in fruit plantations. p. 55.
Fedorenko, A. D. - The cherry slug Caliroa limacina. p. 55.
Gurovich, Kh. R. - Simple method for controlling the apple blossom weevil. p. 56.
Brief information. p. 58.
Khizhniak, P. A. - Conference on root rot. p. 58.
Chitkin, V. V. - In the Scientific and Technological Council. p. 59
Reznichenko, G. M. - Conference on virus diseases of plants. p. 60.
Brief news. p. 61
Paterilo, G. A. - A good and needed book. p. 63.
Dovnar-Zapol'skii, D. P. - From the pages of journals. p. 64.
(DNAL)

Vol. 9, no. 7, July 1964
Table of contents translated
An important decision. p. 1
Improve the training of specialists. p. 1
Nikiforov, N. N., Kupriianova, V. D. - On the "Pobeda" State Farm. p. 5.
Shcheglova, L. G. - Growing vegetables in gravel. p. 8.
Glushchenko, A. I. - Correspondence school for training specialists. p. 9
Zaitseva, E. M., Poliakov, B. M. - At the faculties of plant protection. p. 11
Toktosunov, A. T., Rikhter, E. A. - Harmfulness of sunflies in Kirghizistan. p. 14.
Petrakha, E. F. - Is it necessary to limit the ability of individual producers? p. 14.
Pal'tunova, L. N. - Resistance of plants to Polyethylene infection. p. 14
Vorsedin, A. V. - Herbicide mixtures. p. 15
Stepanova, M. D. - Fusarium infection of annual legume seeds. p. 17
Zhurchevskii, A. - Weeding potato fields. p. 18.
Kozlov, I. A. - The Phytoseiid problem. p. 20
Lavrukhin, G. A. - Soil fumigants. p. 21.
Degtiareva, A. B., Sheludova, V. N. - Using chlorophos in orchards. p. 25.
Paterilo, G. A., Ebralidze, G. N. - Controlling apple powdery mildew in nurseries. p. 26
Velichko, IA. M., Kozlova, E. M. - Herbicides for forest nurseries. p. 27.
Zeitlinson, Kh. N. - Mist spraying in grape nurseries. p. 28.
Grebnev, M. A. - How to determine the economic effectiveness of plant protection. p. 30.
Nikesenberg, P. M., Bankovskaia, M. G. - Oidium infection in vineyards. p. 34.
Ishakova, Z. N. - Pea diseases in the northwestern zone. p. 35.
Rudnev, D. F., Arcadiiev, H. A. - Chlorophos. p. 37.
Gerasimov, B. A., Tershilmoshin, L. G. - Chlorophos in vegetable gardens. p. 38.
Questions and answers. p. 39.
Tamarilchuk, V. N. - Predatory mites of the family Chemarmyidae. p. 40
Bakulin, A. V. - Lithocolletis (Pediculopsis) graminum. p. 40.
Mirzechek, G. E., Romanchenko, A. A. - Alfalfa weevil (Otiorhynchus ligustici). p. 41.
Shin, L. - Forecasting outbreaks of Laphygma exigua. p. 42.
Lozhal', A. G., Zlotin, A. Z., Lymareva, M. A. - Photothermal container. p. 43
Kondrashov, G. M. - Rostov Quarantine Station. p. 44.
Panafidin, S. A., Slovi, M. F., Bondin, V. P. - Helicopter in the control of the Colorado beetle. p. 45.
Ateliaev, N. V. - Low-volume spraying against the Colorado beetle. p. 46.
Smetnik, A. E. - Injecting methyl bromide by a burette. p. 48
Shurovenkov, B. G. - Pests and diseases of plants in Mongolia. p. 49.
Vorontsova, M. N. - The rust Cronartium ribicola on black currants. p. 50.
Popov, P. V. - Chlorophos in the agriculture of the U.S.S.A. p. 51.
Dzhanelidze, E. D., Kheradashvili, N. L. - Bruchid weevils on legumes. p. 51.
Petrov, A. I. - The apple moth Hyponomeuta malinellus. p. 52.
Merkulov, A. A. - Cherry fruit fly. p. 53
Savzdarg, V. E. - Gooseberry fruitworm. p. 54.
Mamaev, K. A. - Vine crop aphid. p. 55.
Extend the marketing of poisonous chemicals in small containers. p. 55
Fillein, V. V. - The ORP-G knapsack tank pneumatic sprayer. p. 56.
Lipetskaia, A. D. - New preparations against mildew. p. 57.
Rubinov, I. A. - In Geneva. p. 58.
Local reports. p. 59.
Dobrovol'skii, B. V. - An interesting monograph. p. 61.
Pavlov, I. F. - About I. D. Shapiro's book. p. 62.
Popov, B. I. - A useful reference book. p. 62.
Pul'son, R. Kh. - From the pages of journals. p. 63.
(DNAL)

ZEMLEDELIE [AGRICULTURE]. [Izdatel'stvo] Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 26, no. 7, July 1964.
Table of contents translated
Zhdanov, P. V. - High quality seed - the golden reserve of collective and state farms. p. 1
Bondarenko, L. V. - Planting winter crops on stubble. p. 11
Panov, V. K. - Land improving methods of the tillage of [illegible] soils. p. 20
Derzhavin, L. M. - Effectiveness of plowed fall plowed fields in the Central Chernozem belt. p. 30
Kondratiuk, V. A., Kornatov, L. G. - Accumulation of moisture and weed control in early fall plowed plowed fields. p. 33
Barkov, [illegible] - Early deep fall plowing of plowed fields to increase the crop yields. p. 36
Vishnin, G. G. - What a collective farm gained from the improvement of the structure of its crop acreage. p. 17
Gol'mankov, I. G., Chorbov, [illegible] - Harvesting time and the quality of [illegible]. p. 40
Mukhamedzianov, Z. I. - Harvesting grain crops in irrigated fields. p. 12
Gavrilov, A. M. - Stubble crops in Volgograd Province. p. 13
Osin, A. I., [illegible] - Stubble crops in Gomel' Province. p. 14
Koriakovsky, N. V. - Harvester head and self-propelled production during [illegible]. p. 14
Olenidov, I. E., Poradkov, [illegible], Rudilat, V. I. - Harvesting leading grain at increased speeds. p. 5
Lebedev, A. I. - Mechanizing the harvesting of pulse crops. p. 56
Kinelev, N. - Grain cleaning and grain cleaning and drying stations. p. 59
Sinitsin, M. I. - [illegible] machine. p. 63
Smirnov, O. A. - Apparatus for calculation of laboratory [illegible]. p. 66
Mukhamediev, A. G. - [illegible] composts and crop yields. p. 69.
Zalin, A. I., Mkrtchian, A. M., [illegible] - Using peat in agriculture in the Lithuanian S.S.R. p. 72.
Grishina, V. V. - Applying mixed organic mineral fertilizers to winter wheat. p. 73.
Mozhina, N. A. - Factors determining the effective action of phosphorus fertilizers in soil. p. 78
Korniukhinov, A. V. - Using mineral fertilizers in eroded soils. p. 82.
Mironov, V. P. - Conference on the grouping and grouping of soils, basins. p. 83
Shevela, A. G. - Efficient use of fertilizers in the Ukraine. p. 87.
Artiukov, N. V. - A successful monograph on red clover. p. 91
Shvoba, [illegible], Bolina, [illegible] - A book on buckwheat. p. 92.

Vol. 26, no. 9, Sep. 1964
Table of contents translated
Kuznetsov, [illegible] - Tenth anniversary of the 1954 September Plenum of the Central Committee of the CPSU. p. 3.
Bulanov, I. A. - Commodity production needs efficient organization. p. 10
Volovchenko, I. P. - Chemistry as an ally of the farmer. p. 13.
Sholin, M. D., and others. - Fall supplementary fertilizers for winter crops. p. 16.
Kulakovskaia, T. N. - Differentiation of amounts of phosphorus and potassium fertilizers. p. 35.
Maksimovich, A. I., Ponomareva, A. T. - Fertilizing system based on new chemical mapping of soils. p. 39
Haider, I. - Efficient use of fertilizers on a farm. p. 46.
Artiukov, N. V. - Thoughts of an agronomist. p. 48
Sigarkin, [illegible] - Characterization of the effect of fertilizers on turf Podzolic soils. p. 50.
Porokhin, G. P., and others. - Using fertilizers in the virgin lands of the Kulunda Steppe. p. 54.
Nekrasov, N. IA. - Using 2, 4-D together with fertilizers. p. 56.
Borozova, P. F., Borodina, T. A. - Effect of fertilizers on soil microflora. p. 57.
Illig, P. F. - Results of studies on organic-mineral fertilizers. p. 59.
Alabushev, V. A. - Effectiveness of various composts. p. 63
Korabitskii, N. K., Knabitova, O. P. - Manure-soil composts in the leached Chernozem of the Moldavian S.S.R. p. 67
Murgia-Florea, N. A., Serdiuk, I. P., Semenov, V. M. - Preparation of manure-soil composts on narrow strips. p. 68.
IAkubisov, N. I. - Effectiveness of herbicides in monoculture of corn. p. 71.
Sannikov, N. P. - Eradication of shrubs in irrigation systems. p. 73.
Boroslovskii, O. O. - Strip arrangement of field crops. p. 78.
Glagoleva, L. A. - New and advanced practices in production. p. 84.
D'iachenko, T. F. - Fall tillage increases crop yields. p. 87.
Cheremisinov, G. A. - Vasilii Petrovich Mosolov; on the 75th anniversary of his birth. p. 88.
IAkovlev, V. - Gavrila served in the institute; a

Dolya, [illegible] - [illegible] agriculture [illegible] Federal Republic of Germany. p. [illegible]
Vacations. p. [illegible]

16. TECHNOLOGY

a. GENERAL

AKADEMIIA NAUK ARMIANSKOI SSR. Izvestiia. Seriia tekhnicheskikh nauk. [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Series of Technological sciences]. Erevan, vol. 16, [illegible]
Table of contents translated
Ivan Vasil'evich [illegible]. p. [illegible]
Development of hydro-electric and hydraulic [illegible] in the Armenian [illegible] and the history of the Water Power Institute and Water Problems [illegible]. p. 15.
[illegible], [illegible] - Motion of [illegible] mixtures of [illegible]. p. 31
Samolian, V. G. - [illegible] of small [illegible] vertical pipe. p. [illegible]
Dzhrbashian, [illegible] - Rotation speed of [illegible] in a turbulent flow. p. 59
Karapetian, L. G. - Analytic determination [illegible] form of a free surface and flow [illegible] expanding channel [illegible]. p. 69.
Dzhrbashian, [illegible], [illegible] - [illegible] distribution of [illegible] of sediment [illegible]. p. [illegible]
[illegible], S. V. - [illegible] of a [illegible] flow. p. [illegible]
Ovsepian, B. Kh. - Calculating the vibration [illegible] hydraulic unit [illegible] and application of the [illegible]. p. [illegible]
Runtsian, [illegible] - [illegible] of nonuniform [illegible]. p. 101
Gevondian, N. K. - [illegible] stability of the control [illegible] orator unit. p. 108
Avetisian, A. K., and others. - Using [illegible] surface active agents for [illegible] the [illegible] from water [illegible]. p. 112
[illegible], V. M., [illegible], V. S. - [illegible] automatic [illegible] of the level of [illegible] water surface for [illegible]. p. [illegible]
Datian, L. A. - Motion of [illegible] the action of [illegible]. p. 119

BEZOPASNOST' TRUDA V PROMYSHLENNOSTI [INDUSTRIAL SAFETY]. Organ of Gosudarstvennogo komiteta pri Sovete Ministrov RSFSR po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornomu nadzoru [State Committee for Safety Engineering in Industry and Mining, Attached to the Council of Ministers of the R.S.F.S.R.]. Moscow, [illegible], July 1964
Table of contents translated
[illegible], [illegible] - [illegible] industry. p. 1
Gladkikh, P. A. - [illegible] station. p. 1
Chernichenko, G. M. - [illegible] elimination of [illegible]. p. 5
Arkhipov, N. I. - [illegible] sending specific [illegible]. p. 6
Karpukov, V. A., and others. - [illegible] of interconnection of [illegible]. p. [illegible]
Bobkan, V. G., [illegible] - [illegible] organization of [illegible]. p. 10.
Rosliakov, V. I. - Perfect equipment for [illegible]. p. 13.
[illegible], [illegible] - [illegible]. p. 17
IAbloiiskii, [illegible] - [illegible] steam pipe lines. p. 16
Ivanenko, I. A. - Effect of [illegible] from the [illegible]. p. [illegible]
Novitskii, V. V., [illegible] - [illegible] difficult to [illegible] mine. p. 20
Tatarkin, N. A. - Achievements of miners of [illegible] Mirgalimsai mine. p. 21
Andreev, V. I., [illegible] - Hydraulic [illegible] stemming for dust control. p. 22
Pavlenko, M. P. - [illegible] loaders. p. 24
Poliakov, V. I., [illegible], A. I. - [illegible] the SBK-1 [illegible]. p. 26
Busygin, K. K. - [illegible] conditions in coal mines [illegible] by gas." p. 30.
Arvaniti, V. N. - Automatic [illegible] device for auto [illegible] with [illegible]. p. 32
Kuzmichenko, G. N., Chorkin, V. K. - [illegible] vice for sprinkling. p. 33
Gaevaia, L. A. - New dental [illegible]. p. 34
Consultations. p. 35
Ostroukhov, M. - [illegible]. p. 35
Chernigov, M. A. - [illegible] the eyes. p. 35
Medvedev, I. I. - [illegible]. p. 36.
Prokopenko, L. - Where [illegible] journal. p. 36.
Liakhov, G. M. - Comments on [illegible] "Safety engineering in coal mines." p. 37.
Kapelushnikov, G. I. - Supply [illegible] mine atmosphere [illegible]. p. 38.

*BIULLETEN' IZOBRETENII I TOVARNYKH ZNAKOV [BULLETIN ON INVENTIONS AND TRADEMARKS] Issued by Komitet po delam izobretenii i otkrytii pri Sovete Ministrov SSSR [Committee on Inventions and Discoveries, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol. 40, nos 2-10, Jan - May 1963.

*GEODEZIIA I KARTOGRAFIIA [GEODESY AND CARTOGRAPHY] Organ of Glavnoe upravlenie geodezii i kartografii Ministerstva geologii i okhrany nedr SSSR [Main Administration of Geodesy and Cartography of the Ministry of the Geology and Conservation of Mineral Resources of the U.S.S.R.]. Moscow, no.6, June 1963.

Table of contents translated:

Molodenskii, M.S., Eremeev, V.F., IUrkina, M.I. - Problem of transversal shift in triangulation. p.3.
Moshicherskii, I.N. - Ni-b3 level with a self-adjusting line of sight. p.6.
Sigalov, V.M. - Calculating the equation for inserting a 3rd-class point on a "Ural-1" computer. p.11.
Zhukov, B.N. - Observations of dams which are out of line without precise measurement of lines. p.13.
Tarabanov, V.M., Shevalov, V.A. - Accuracy of measuring parallactic angles. p.18.
Khmelevskii, IU.S. - Practice of using wall markers in traversing. p.20.
Zaprudin, V.G. - Effectiveness of using a reducing gear on the "Druzhba" gas saw for boring. p.23.
Drobyshev, F.V. - Photostereograph. p.24.
Aleksandrov, P.S. - Study of a model photostereograph. p.30.
Klenko, IU.P. - Graphical control extension of a phototheodolite survey by means of photogrammetric triangulation. p.33.
Chigirev, A.A., Ponomarev, E.B. - Computer for calculating corrections for coordinates and parallaxes of points of stereopairs. p.39.
Cheremnykh, G.D. - Increasing the scope of the work of the SD-1 stereograph. p.48.
Kuchborskaia, E.P., Krempol'skii, V.F. - Atlas of the history of the U.S.S.R. containing information on recent and modern history. p.50.
Naumov, G.V. - Systematization of the transliteration of geographic names of topographic maps of Yakutia. p.56.
Venevtseva, G.P. - Atlas of Irkutsk Province. p.58.
Maksimov, N.P. - Use of microfilming in foreign cartography [survey of foreign literature]. p.61.
Korotkov, V.P. - Introduction of the international system of units in the U.S.S.R. p.69.
Aristov, IU.V. - In the Moscow Branch of the Geographical Society of the U.S.S.R. p.74.
On the 60th birthday of Mikhail Nikiforovich Kutuzov. p.79.

No.8, Aug. 1963.

Table of contents translated:

Lysiuk, V.N. - Twenty-fifth anniversary of the activity of the Scientific Editorial Map-Compilation Section. p.3
Pellinen, L.P. - Laplace azimuths and coordinate errors in long triangulation series. p.9.
Noskov, F.P. - Using the method of comparisons in measuring distances with the SVV-1 geodimeter. p.13.
Buglov, G.N., Shevchuk, P.M. - Practice in constructing a triangulation net in an iron ore area. p.17.
Shel'min, V.V. - Calculation of the effect of the incline of the vertical axis of a theodolite. p.21.
Gerzhula, B.I. - Ways of improving topographical surveys for housing construction. p.22.
Min'ko, V.IU., Zaprudin, V.G. - Checking design loads in erecting triangulation signal towers. p.30.
Brusков, V.G. - Practice of assembling triangulation signal towers in a horizontal position. p.31.
Miskovets, V.K. - Accuracy of laying out prefabricated buildings. p.34.
Pirogov, V.G. - Nomogram for calculating excesses in barometric leveling. p.37.
Vainauskas, V.V. - Adjustment of large aerial triangulation nets. p.40.
Kushtin, I.F. - Introduction of corrections for relief. p.46.
Uspenskii, A.N. - Modernization of copying equipment. p.50.
Kondratenko, V.T., Khrapkov, V.A. - Compilation of anaglyphic mosaics. p.52.
Kel'ner, IU.G., Efimenko, E.I. - Project of an Atlas of Antarctica. p.55.
Pyrkhin, G.I. - Data on the graduation of correspondence students from the technical school. p.59.
Fot'dman, G.A. - Recent developments in the manufacture of geodimeters. p.62.
Maintaining the dimensions of astrafoil and astralon plastic materials. p.66.
Larin, D.A. - "Topographical drawing" - a textbook. p.69.
Nekrasova, K.F. - Work on terminology and dictionaries in the field of geodesy. p.74.
Georgii Fedorovich Gapochko; obituary. p.75.
Brief news. p.77.
Bibliography. p.78.

GORKIY. POLITEKHNICHESKII INSTITUT Trudy [POLYTECHNIC INSTITUTE, Transactions]. Vol 16, no.2, 1960. Nekotorye voprosy povysheniia pomekhoustoichivosti radiotekhnicheskikh ustroistv [Improvement of interference rejection of radio engineering systems].

Table of contents translated:

Babanov, IU.N. - Statistical properties of interference at the output of a communication system with phase pre-emphasis of the signal. p.5.
Gorbachev, A.A - Interference rejection of a limiter with a signal level tracking threshold limit. p.12.
Zelenin, A.P. - Increase in the frequency selectivity of systems by suppressing undesirable signal modulations. p.17.
Zelenin, A.P. - Experimental study of a demodulation method for increasing the frequency selectivity of systems. p.61.
Katuntsev, V.D. - Limiter with tracking threshold in a system with a detuned filter, limiter, and tuned filter. p.69.
Lezin, IU.S - Synthesis of optimal filters and mutual correlation devices. p.71.
Lezin, IU.S. - Law of the distribution of random voltages at the output of a square-law storage device with exponential weight function. p.79.
Medvedev, IU.I. - Extrapolative features of a system of parallel operating resonators. p.82.
Khurtina, N.A. - Experimental study of interference rejection of an FM signal reception system consisting of a wide-band stage, limiter, narrow-band stage, FM discriminator and filter. p.97.

INFORMATSIONNYI UKAZATEL' STANDARTOV [INFORMATION INDEX OF STANDARDS]. Published by Gosudarstvennoe izdatel'stvo po standartizatsii [State Publishing House on Standardization]. Moscow, vol.24, no 7, 1963.

*INZHENERNO-FIZICHESKII ZHURNAL [JOURNAL OF ENGINEERING PHYSICS] Issued by Akademiia nauk BSSR [Academy of Sciences of the White Russian S.S.R.]. Minsk, vol.6, no.7, July 1963

Table of contents translated:

Kravchuk, E.M. - Measurement of thermophysical coefficients using the absolute method of the regular regime of the third kind with compensation of the irregular process. p.3.
Shchukin, V.K. - Methods for evaluating the local heat transfer coefficient in a flow past a cylindrical surface. p.7.
Kondukov, N.B., and others. - Studying the parameters of the motion of particles in a pseudofluidized bed by the radioisotope method. p.13.
Tamarin, A.I. - Self-oscillations arising in a pseudofluidized bed. p.19
TSibarovskii, IA., Bondzyn'skii, M. - Free discharge of granular material through an aperture in the conical bottom of a vessel. p.26.
Brodianskii, V.M. - Thermodynamic analysis of gas liquefaction processes. p.36.
Kessel'man, P.M., Rabinovich, V.A. - Thermodynamic properties of dissociated hydrogen and oxygen. p.43.
Mel'nichenko, N.I. - New formula describing the pressure of saturated vapor of liquids of different compositions. p.50.
Tabachnikov, A.G. - Calculating the thermodynamic properties of real gases at high temperatures. Equation of state for ammonia. p.54.
Fabrikov, V.A. - Thermodynamic interpretation of the the Manley-Rowe theorem in the theory of nonlinear electric oscillations. p.60.
Kim, V.IU. - Nonsteady heat conduction in a hollow cylinder with known temperatures [illegible] ries. p.66.
Verzhbinskaia, A.B. - Effect of lat on the temperature field in sem a plane source of constant stre
Khristichenko, P.I. - Nonsteady he thermoelastic stresses in a hol
Trofimov, E.P. - Temperature fie hollow rotating cylinder. p.83.
Strakhovich, K.I., Sokovishin, IU. distribution in a laminar jet of gas emerging into a space with p.86.
Stadnik, B.N., Kazanskii, M.F. - content on ultrasound propagatic porous bodies. p.94.
Mikhailov, P.E. - Method of calib of hygrometers based on the sa a three-chamber hygrothermost
Iodko, E.A. - Analytic calculation of bodies of simple shape. p.1
Lepinskikh, B.M., Vatolin, N.A. - and density of iron-sulfur and i melts. p.109.
Trakhtenberg, B.F., Rutner, IA.F thermal processes in swages du p.113.
TSeiman, G.I. - Equation of the st fluoromethane (freon-12). p.12
Sychev, V.V. - Some thermodynam of the triple point. p.124.
Khrustalev, A.F. - Temperature fi half-space. p.126.
Motulevich, V.P. - Supplement to the article "Turbulent heat and mass transfer on a plate with porous suction and injection of various gases." p.127.
Khristichenko, P.I. - Supplementary remarks on Sh.N. Pliat's article "Solution of problems of nonsteady heat conduction of hollow cylinders by Grinberg's method." p.128.
Maliavskaia, G.R. - Summaries of articles published in the international journal "Teplo- i massoperenos," vol. 6, 1963. p.130.
Dolinskaia, R.A. - Bibliography on heat and mass transfer. p.133.

IZOBRETATEL' I RATSIONALIZATOR [INVENTOR AND EFFICIENCY PROMOTER]. Issued by Vsesoiuznoe obshchestvo izobretatelei i ratsionalizatorov [All-Union Society of Inventors and Efficiency Promoters]. Moscow, no.7(203), 1963.

Table of contents translated

Sparks of a great fire. p.2
Abdullin, A., Bozhanov, B. - Crop of invisible fields. p.4.
Vishnevkin, D - Rock-cutting machine. p.6.
Khlebtsevich, A - Information is a paying business pp.7, 26-27.
Blanter, M. - "Delicate" clutches of a giant. p.8
Conceived and achieved. p.10.
Dobrovol'skii, E - Thirty years plus three. p.12.
Shpagin, M - Paint against dust p.15
Smirnov, G. - When will ships overcome the wave barrier? p.17.
Advertising board. p.22.
Krivkova, N - How he became a private undertaker. p.23.
Bogdanov, E. - One camera contains ten devices. p.24.
Medvedev, IU. - Watermelon and bitumen pp.28-29, 40.
El'shanskii, I. - Objectives of milking units p.30
Main, A - Sling-type excavator p.32.
From Edison's diaries. p.33.
Titova, I - Jumping into fire. p.35.
Sharol', L. - A cue. p.35.
Skilled workers will appreciate it. p.38.
Dvalishvili, I. - Petroleum is in an impasse'. p.41
Bychkova, N - Who has corrected the Bessemer process? p.42.
Melenevskii, I. - Priority as a gift. p.43.
Muslin, E - Swan drags a pike. p.44.
Verkhovskii, N. - Thoughts about cancer. p.46

LENINGRAD. POLITEKHNICHESKII INSTITUT. Trudy [POLYTECHNIC INSTITUTE, Transactions]. No. 226, 1963. Dinamika i prochnost' mashin [Dynamics and durability of machines].

Table of contents translated:

Preface. p.3.
Kolovskii, M.Z. - Effect of high-frequency perturbations on resonance vibrations in a nonlinear system p.7.
Maksimov, S.P. - Finding periodic motion of a rigid symmetric shaft rotating in sliding bearings near the state of equilibrium. p.10.
Smelkov, A.A. - Some problems in the dynamics of a solid body with an intermittent fluctuation of mass and the methods of their solutions. p.30.
Troitskii, V.A. - Sufficient conditions for variational problems in the optimization of automatic control processes. p.44.
Troitskii, V.A. - Taking int flexib'

MINSK. BELORUSSKII POLITEKHNICHESKII INSTITUT. Sbornik nauchnykh trudov [WHITE RUSSIAN POLYTECHNIC INSTITUTE. Papers]. No. 66, 1957

Table of contents translated

Doroshevich, M.V. - Work of the Institute should be up to the standards of our current objectives. p. 5.
Rutskii, A.I - Department of Electric Power p 12
Dmitrovich, A.M. - Department of Mechanical Engineering. p. 19
Kessel', N.K. - Department of Construction p. 27.
Pavlovskii, A.A. - Department of Hydraulic Engineering. p. 35.
Bludov, S.A. - Department of Automobile and Tractor Engineering. p. 45.
Alekhnovich, N.V. - Department of Peat p. 51.
Repinskev, M.S. - Department of Technical Chemistry. p. 59.
Dudich, Z.Z., Mukhin, A.T. - Departments of Social Sciences. p. 66.
Voinov, A.P. - White-Russian architecture and architectural engineering at the 40th anniversary of the Great October revolution. p. 72.
Berborodov, M.A., Mazelev, L.IA., Zhunina, L.A. - Research work on the chemistry and technology of silicates in 1936-1956. p. 91.
Baranovskii, M.A., IUrkshtovich, N.A. - Physicochemical theory of plasticity based on Professor S.I. Gubkin's materials. p. 117.
Treier, V.N. - Outlooks for the investigation and calculation of the efficiency and durability of machinery based on limiting states. p. 137.
Odel'skii, E.Kh. - Research work and training of specialists at the Department of Heat Supply and Ventilation. p. 158.
Vinokurov, F.P., Peryshkin, G.A., Mikhailov, S.P. - Research in the field of water resources development in the White Russian S.S.R. p. 167.
Rutskii, A.I. - Theory and practice of the design of electrotechnical units and of multiampere busducts. p. 179.
Odel'skii, E.Kh. - Selection of an optimum gas-transportation system for remote distances. p. 184.
Aksenov, E.A. - Problems in the improvement of technological process in the peat industry. p. 198.
Makarochkin, M.F. - Determining the carrying capacity of foundation bases on industrial, civilian and hydrotechnical structures. p. 208.
Dudich, Z.Z., Rakov, IA.G., Khachatriants, I.T. - Increasing labor productivity in the construction industry. p. 221.
Drozd, IA.I., Khaiutin, I.L. - Department of Structural Engineering and its role in training structural engineers and in assisting the construction industry of the White-Russian S.S.R. p. 240.
Ermolenko, N.N. - Scientific Students' Society at the White-Russian Polytechnical Institute. p. 247.

MOKSLAS IR TECHNIKA [SCIENCE AND TECHNOLOGY]. Issued by Lietuvos TSR Ministru Tarybos Valstybinis mokslinio tyrimo darbu koordinavimo komitetas [State Committee of the Council of Ministers of the Lithuanian S.S.R. for the Coordination of Research] and others. Kaunas, vol. 5, no. 9, Sep. 1963. [In Lithuanian]

MOSCOW. VYSTAVKA DOSTIZHENII NARODNOGO KHOZIAISTVA SSSR. Informatsionnyi biulleten' [EXHIBITION OF ACHIEVEMENTS OF THE NATIONAL ECONOMY OF THE U.S.S.R. Information Bulletin]. *No. 5(25), May 1962.*

Table of contents translated:

Exhibition of Achievements of the National Economy of the U.S.S.R. in 1962. p. 1.
Achievements of Soviet science. p. 4.
Use of atomic energy in the national economy. p. 6.
Analytical instruments for the automation of production processes. p. 7.
Advanced equipment for coal preparation p. 7.
Advanced methods for preventing petroleum and petroleum product losses in storage and transportation. p. 8.
New method of three-dimensional design in the system of design institutes of the State Committee of the Council of Ministers of the U.S.S.R. on chemistry. p. 8.
Dyes for synthetic textile fibers and methods for their application. p. 10.
Control and regulation apparatus and laboratory instruments in the textile industry. p. 10.
Dry goods, perfumery, and household chemicals. p. 11.
Controlled electric drives and contactless automation in the machinery industry. p. 13.
Modernization and repair of precision tools. p. 14.
Mineral ceramic cutting tool and its use in the machinery industry. p. 14.
Selection and application of cooling lubricating fluids in metal cutting. p. 14.
Polarizing and metallographic microscopes. p. 15.
Building up the productive capacity of dairy industry enterprises and improving the assortment and quality of dairy products. p. 15.
Innovator days. p. 16.
Consultation. p. 16.
Advanced practices for high-productive utilization of soil. p. 17.
Advanced methods for obtaining high yields of peas, feed bean and other pulse cultures. p. 19.
Advanced methods of technical maintenance, storage, and repair of the machinery and tractor fleet. p. 20.
Wide-range equipment for grain harvesting and new means for the mechanization of straw harvesting p. 22
Methods for improving the quality of furs p. 24.
Best varieties of spring flowering plants. p. 25.
Exhibition of the products of plants processing hybrid and high-quality corn seeds sized into six fractions. p. 25
Methods for the stabilization of ordinary and brand wines. p. 26
Efficient year-round feeding of cattle with corn, sugar beets and pulse family products p. 26
Intensive utilization of greenhouse gardening. p. 27.
Seminars on apiculture. p. 27
Construction of metallurgical plants. p. 28
New developments in the construction of electric power stations. p. 29
Planning and construction of rural housing p. 29
Mechanization of engineering calculations in construction. p. 30
Medicine in the service of the people p. 31
Soviet publications. p. 31.
Film recordings of the lectures of innovators and scientists. p. 33
Cultural and mass entertainment at the Exhibition of Achievements of the National Economy. p. 34.
For the information of the scientific and technical propaganda agencies. p. 35.

No 7(27), July 1963

Table of contents translated

Agriculture at the Exhibition of Achievements of the National Economy. p. 1.
Exhibits of the industries of the Moscow region. p. 5.
Television sets, radio apparatus, and electronic calculating machines. p. 10.
New drilling fluids and chemical reagents for oil well drilling. p. 10.
Analytical instruments for the automation of industrial processes. p. 11.
Advanced methods for the reinforcement of machine parts. p. 11.
New developments in the repair of internal combustion engines for transportation. p. 11.
Dyes for synthetic textile fibers and their application. p. 11.
New method for three-dimensional design and planning used in the design and planning institutes of the State Committee of the Council of Ministers of the U.S.S.R. for Chemistry. p. 11.
Electric contact butt welding of main pipelines. p. 11.
Basic trends and practices of the work in the field of standardization and establishment of norms in machinery manufacture. p. 13.
Ways for improving the reliability and lengthening the life of metal-cutting tools and automatic production lines in their manufacture, operation and repair. p. 14.
For an improvement of the quality of clothing industry products. p. 15.
Manufacture of dry goods, perfumery, and household chemicals. p. 15.
Dyes for synthetic textile fibers and methods for their application. p. 15.
Manufacture of goods from plastics. p. 17.
New equipment and advanced practices in wood sawing. p. 18.
Over-all mechanization and advanced technology in lumbering p. 18.
Encounter of the foremost workers of the knit goods and clothing industry p. 18
Use of manure-soil compost as a fertilizer. p. 19.
Increasing the butterfat content of milk. p. 20.
Prevention and treatment of gastrointestinal diseases of calves. p. 23.
Fifteen best breeds of rabbits. p. 24.
Ways of obtaining 75 centners dressed meat per 100 hectares of plowed fields and 16 centners per 100 hectares of other agricultural lands. p. 25.
Exhibition of early vegetables and potatoes. p. 30.
Exhibition of gladiolus and roses. p. 31.
Advanced methods for obtaining high yields of peas, feed beans, and other pulse crops. p. 31.
Summer varieties of berries and fruit. p. 32.
Advanced practices of highly efficient utilization of the soil. p. 32.
Advanced methods of maintenance, storage and repair of the machine and tractor fleet. p. 32.
Over-all mechanization is the basis for increasing labor productivity and reducing production costs in cattle breeding. p. 33.
Advanced methods for feeding, breeding and housing rabbits. p. 34.
Advanced methods of trapping and fur trade. p. 34.
Advanced methods for tractor maintenance and defect detection without dismantling. p. 35.
Expanding outdoor growing of early vegetables. p. 3
Mechanization of operations in tree planting and land *scaping.* p. 35.
Expanding the growing of berries. p. 37.
Moscow exhibition of new construction equipment. p. 37.
New developments in the construction industry. p. 37.
Apartment furniture. p. 38.
Electric power supply and electric equipment of construction sites. p. 38.
Manufacture and use of large-size construction elements and products from cementless autoclave hardened concrete. p. 39.
Standard unitized boiler plants for residential areas and industrial buildings. p. 40.
Technical study rooms of construction and assembly organizations. p. 41.
Comprehensive design solutions for cattle breeding farms using universal buildings for housing various types of cattle and poultry. p. 41.
Problems of city planning and construction in the light of the decisions of the 22d Congress of the CPSU p. 41
Welding operations in the assembly of the equipment of thermal electric power plants p. 41
Manufacture and use of large-size construction elements made from cementless autoclave hardened concrete p. 42.
Foundations of industrial buildings and structures. p. 42.
Adopt Lenin's attitude toward nature. p. 44.
Present-day equipment of commercial enterprises. p. 43
Recommendations of various sections of the Committee for the Exhibition of Achievements of the National Economy p. 44
For the information of the agencies of scientific and technical propaganda p. 45

PMTF, zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki [PMTF, Journal of Applied Mechanics and Technical Physics]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Department of the Academy of Sciences of the U.S.S.R.]. Moscow, no 3, May-June 1963.

Table of contents translated

Imshennik, V.S., Morozov, IU.I - Energy-momentum tensor of radiation in a moving medium near equilibrium. p. 3.
Prokof'ev, V.A. - Velocity of weak waves in an emitting gas. p. 11.
Meshkov, S.I., Shermergor, T.D. - High-temperature internal friction in the case of longitudinal oscillations p 20.
Syrovoi, V.A - Invariant group solutions to the equations of a spatial stationary beam of charged particles. p. 26
Kogan, M.N - Moment integral method for solving Boltzmann's kinetic equation. p. 36.
Osipov, A.I., Stupochenko, E.V. - Nonequilibrium energy distribution between the oscillatory degrees of freedom of molecules following a disturbance of Maxwellian distribution p. 41.
Mitrofanov, V.V., Subbotin, V.A., Topchiian, M.E. - Pressure measurement in a transverse spin wave p. 45
Klimov, A.M. - Laminar flame in turbulent flow p. 49.
Ivanov, B.A., Kogarko, S.M. - Spread of the chemical reaction zone in pure acetylene and mixtures with other gases. p. 59
Vasil'ev, G.I., and others. - Experimental determination of the heat conductivity coefficient of thermal insulation materials using the self-mixing method. p. 67
Deriagin, B.V. - Theory of depositing a viscous liquid on a fiber or wire extracted from it p. 71.
Skrebkov, G.P. - Turbulent pulsations in a liquid jet *and its atomization.* p. 79.
Kuznetsov, V.M., Sher, E.N. - Scale factor and the effect of strength in directed explosions. p. 84
Rutev, B.G. - Similarity of compression waves in underground explosions. p. 91
Alekseenko, V.D. - Waves in the surface region of a half-space in the ground in contact explosions. p. 100.
Ivlev, D.D., Martynova, T.N. - Condition for complete plasticity in the case of axial symmetry. p. 102
Sadchikov, V.I. - Condition for the deformation of a rigid-plastic body in a single plane involving the detachment of a chip. p. 105.
Gokhfel'd, D.A., Ermakov, P.I. - Adaptability of thick-walled tubes under nonuniform heating. p. 107
Ivanov, G.V. - Stability with respect to plastic deformations of a cylindrical shell subject to axial *compression.* p. 111.
Stepanov, IU.S. - Determination of the compression diagram for low carbon steel in the region of elastoplastic deformations. p. 116.
Varga, I.I., Cherniavskii, B.A., Shal'nev, K.K. - Method for studying the scale factor in cavitation erosion. p. 122.
Mikhailov, L.E. - Generalization of some experiments on critical boiling of a liquid in forced motion taking the theory of thermodynamic similarity as a basis. p. 130.
Mamontova, N.N. - Use of motion-picture photography in studying the mechanism of boiling in*volving intense heat flows.* p. 135.
Van'ko, V.I. - Method of boundary conditions in problems of steady-state thermal conductivity. p. 138.
Rukhadze, A.A. - Convective instability of a compressible fluid in magnetohydrodynamics. p. 139.
Povarnin, P.I. - Critical boiling in a flow of underheated methyl alcohol. p. 143.
Kiselev, O.M. - Determining the shape of a gas bubble in axisymmetric liquid flow. p. 147.
Fridlender, O.G. - Resistance of a flat plate perpendicular to a hypersonic rarefied gas flow. p. 150.
Sisian, Zh.S. - Interaction of perturbations and a shock wave in uniform nonsteady gas flow. p. 159
Berezin, O.A. - Steady motion of a conducting fluid in a rectangular channel under a transverse magnetic field. p. 155.
Radovskii, I.S. - Experimental study of the speed of sound in argon at the saturation point. p. 159.

Zimin, E.P., Popov, V.A. - Effect of a magnetic field on the optimum composition of a conducting gaseous mixture. p. 162
Tiukhan, A.M. - Some methods for studying the dynamic structure of plasma streams p. 165.

PROFESSIONAL'NO-TEKHNICHESKOE OBRAZOVANIE [VOCATIONAL TECHNICAL EDUCATION]. Organ of Gosudarstvennyi komitet po professional'no-tekhnicheskomu obrazovaniiu pri Gosplane SSSR [State Committee for Vocational Technical Education, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol. 20, no. 8(219), Aug. 1963

Table of contents translated:

Mal'tsev, B. - Well organized beginning of the school year is a guaranty of success p. 1
Let's carry out the decisions of the June Plenum of the Central Committee of the CPSU. p. 3.
Samborskii, A., Sel'skii, A. - New requirements and new methods. p. 4.
Bazhov, I. - Laboratory practice on automatic brakes. p. 6.
Leshchenko, P. - Variation in the forms of lessons p. 8.
Ilbko, I. - Summer practice of communication workers. p. 9.
Orlov, B. - The master related about his search. p.9
Maksimov, I. - Building block-set for making models during the reading of mechanical drawings p. 11.
Penizov, N. - Future miners study progressive work methods p. 14.
Mel'nikov, N. - Present-day mine supports. p. 15.
Fershtut, V. - The master meets his group ten years later. p. 18.
Miroshnichenko, D. - Reflections on compositions. p. 20.
Artists visit with students. p. 21.
Lipchanskaia, V. - Every minute is precious. p. 22.
Limnik, N. - Athletic life of a school. p. 22.
Iablonovskii, V - New curriculum. p. 23.
Vatnik, D. - Preparing for a diploma. p. 23.
Kraevskaia, E. - System of homework assignments on the subject "Tractors." p. 24.
Dobromyslov, S. - Efficiency promoters suggest. p. 26.
Nikitin, L., Sedykh, E. - Let's improve the training of machine operators for forest industries. p. 27.
Dizhur, L. - Let's improve the methods of conducting a lesson. p. 27.
Titov, P. - We help teachers and instructors. p. 28.
Shcherbakov, M., Sharipov, S. - Let's strengthen the contact between the industries providing vocational training and the schools. p. 28.
Uvarov, P. - Conducting the classes on industrial safety. p. 29.
Uspenskii, D. - Generous heart. p. 30.
Omel'chenko, B. - Let's increase the publication of textbooks and visual aids. p. 32

PROMYSHLENNOST' ARMENII [INDUSTRY OF ARMENIA]. Issued by Sovet narodnogo khoziaistva Armianskoi SSR [Economic Council of the Armenian S.S.R.]. Erivan, vol. 6, no. 7, July 1963.

Table of contents translated:

Fulfillment of the gross-output production plan and the development rate of the industry of the Armenian Economic Council according to branch administrations for the first half of the year 1963. p. 3.
Fulfillment of the production plan for the most important kinds of industrial products by the enterprises of the Armenian Economic Council for the first half of the year 1963. p. 3.
Fulfillment of the labor productivity plan in the industry of the Armenian Economic Council for the first half of the year 1963. p. 5.
Classification of industrial enterprises of the Armenian Economic Council according to the fulfillment of the gross-output production plan for the first half of the year 1963. p. 5.
Erzinkian, L. - Major industrial chemical complexes are in the front row of the struggle for communism p. 6.
Avakian, V. - Perlite and its use in the construction industry. p. 11.
Ter-Oganian, M. - Effectiveness of the export of light fitters from Armenia. p. 14.
Sanamian, V. - That is very important. p. 19.
Fel'dman, M. - Eliminate the turnover of specialists. p. 20.
Danilov, A. - Characteristics of heat supply to ore-dressing enterprises. p. 22.
Enfiadzhian, L. - Using unheated greenhouses in enterprises. p. 24.
Vardanian, L. - Problems in the organization of line production in Armenian machinery industry. p. 26.
Ambartsumian, Kh. - Technological processes of chill casting of cast-iron parts. p. 29.
Tumanov, G., Khazarian, L. - New equipment and technological processes in blasthole drilling at the lime quarries of the Ararat Cement and Slate Works. p. 33.
Avakian, V. - Antimony-containing cast iron as a substitute for bronze in the manufacture of machinery. p. 36.
New furniture designs. p. 42.
Khod'kin, N. - A valuable suggestion. p. 46.
Muradian, R. - Self-unloading semitrailer for grain transportation. p. 46
Ter-Gazarov, A. - Use of gas cementation at the Kirovakan Precision Machine-Tool Plant p. 48.
TSvetkov, M. - Problems in the intensification of the electrolysis process for the production of aluminum p. 49.
Kazumov, N. - Role of nitrous substances and their transformation during the maderization of wine. p. 54
Isaakian, IA. - Summer full-scale observations of the microclimate of apartment houses in Erivan. p. 56.
For an efficient use of electric power p. 63.
Schol', D. - First congress of Armenian scientific and technological societies. p. 65.
In the U.S.S.R. p. 67.
Abroad. p. 69.
In the Party and State Control Committee of the Central Committee of the Communist Party of Armenia and the Armenian Council of Ministers. p. 72
In the Economic Council of the Armenian S.S.R. p. 74
In the Republic's House of Technology. p. 75.
Seminar on protective grounding of electric installations of industrial enterprises. p. 75.
Brief news. p. 76.
Simonian, E., Martirosian, O. - A book about vibratory machines. p. 77.
New books and information materials received by the scientific and technical library of the Armenian Economic Council. p. 79.

REFERATIVNYI ZHURNAL: METROLOGIIA I IZMERITEL'NAIA TEKHNIKA (Otdel'nyi vypusk 32) [JOURNAL OF ABSTRACTS. MENSURATION AND MEASUREMENT TECHNIQUES (Separate Issue 32)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, Sep. 1963.

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. Trudy institutov Komiteta [Committee of Standards, Measures, and Measuring Instruments. Transactions of the Institutes of the Committee]. Moscow, no. 72(132), 1963. Issledovaniia v oblasti magnitnykh izmerenii [Magnetic measurements]

Table of contents translated:

Foreword p. 3.
International system of units in magnetic measurement practice. p. 5.
Zingerman, V.I., Sepetyi, V.N., IAgola, G.K. - Determining the absolute gyromagnetic ratio of the proton in high magnetic fields p. 17.
Kurtts, V.L., Oratova, I.A., Chernysheva, N.G. - Differential calorimeter p. 39.
Grokhol'skii, A.L., Kugaevskii, A.F. - Extending the frequency limit of the application of radiofrequency permeameters. p. 53.
Veksler, A.Z., Pen'kov, N.V. - Apparatus for determining the magnetization curve for electrical steel in weak fields. p. 59.
Gorlunov, P.N. - New highly sensitive ballistic method for testing ferromagnetic materials. p 73
Mekhei, IU.G. - Use of a quartz magnetometer in testing Helmholtz coils. p 86.
Vitkovskii, V.F., Sokolova, E.A. - Electronic EG-1 type gauss meter utilizing the Hall effect. p. 94.

STANDARTIZATSIIA [STANDARDIZATION]. Issued by Komitet standartov, mer i izmeritel'nykh priborov pri Sovete Ministrov SSSR [Committee of Standards, Measures, and Measuring Instruments, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol. 27, no. 7, July 1963.

Table of contents translated:

Rabinovich, B.D. - Methods for calculating savings resulting from the introduction of standards. p. 3.
Slonim, A.I. - Types of industrial production processes. p. 8.
Vasilevskii, P.F., Soskin, D.S., Golovach, IU.IU. - Designing gate systems for steel casting. p. 11.
Guliaev, A.P., Saverina, S.M. - Hardness of annealed high-speed steel. p. 16.
Kudinov, A.I. - Ultrasonic method for checking the strength and uniformity of concrete in constructions. p. 22.
Zuev, IU.S. - Standardization of the exposure of polymer material samples under natural conditions. p. 27.
Nikishin, A.A. - Methods for determining parameters of the high-elastic deformation of oriented glass plastics. p. 28.
Stepanova, I.V. - Introducing the State Standards 9701-61 and 9804-61 in industry. p. 32.
Maslennikov, K.N. - Classification and terminology of bulky and elastic yarn. p. 34.
Shutova, N.E. - Specification of allowances for the inaccuracy in clothing production. p. 40.
Luvishis, L.A. - Mechanization of the picking of average wool samples. p. 42.
Kaplan, A.S. - Study and classification of steels and alloys at the Central Research Institute of Ferrous Metallurgy. p. 44.
Morozov, V.E. - Diesel engines. p. 46.
Rudnik, M.S., Khabarina, A.T. - Woodworking machinery. p. 47.
Baibekov, K.A. - Analytic samples of hard fuel. p. 47.
Nikanorova, A.I. - Diffusion impregnation of wood. p. 48.
Trot'iakova, V.IU. - Woodpulp for paper. p. 48.
Beloiserkovskii, M.A. - Standardization of river ships is an important objective of the national economy. p. 49.
Vvedenskii, T.A. - Standards and handbooks. p. 50.
Forstman, S.T. - Violation of standards for basic dimensions of manual taps. p. 50.
Standardization in the chemical machinery industry. p. 51.
Sverdlov, L.M., Stukalov, R.P. - Standardization exhibition in Leningrad. p. 51.
V.P. Puzanova; obituary. p. 54.
Draft recommendations developed by the technical committees of the International Standardization Organization. p. 55.
Karpati, IU. - From technical periodicals. p. 57.
Collected state standards. p. 58.
Standards for the machinery industry. p. 60.
Foreign standards. p. 60.

SVERDLOVSK URAL'SKII POLITEKHNICHESKII INSTITUT. Trudy [URAL POLYTECHNIC INSTITUTE. Transactions]. Moscow, no 108, 1961. Ratsional'noe ispol'zovanie energeticheskikh resursov promyshlennosti [Efficient use of industrial power resources].

Table of contents translated:

Baskakov, A.P. - Analysis of the combustion of anthracite culm. p. 5.
Kalochkina, S.K., Baskakov, A.P., Syromiatnikov, N.I. - Study of thermal decomposition of Kushmurun coal during high-speed heating. p. 13.
Levin, I.S. - Enriched fuels for Sverdlovsk Province. p. 23.
Levin, I.S., Barniakova, T.A. - Special features of the composition of Southern Ural lignites and means for utilizing them in industry. p. 29.
Rysakov, N.F. - Dynamics of gas generation during thermal treatment of lignite with high-speed superheating. p. 39.
Reshetin, N.I., Rysakov, N.F. - Reactors for thermal fuel gasification using solid heat carriers. p. 50.
Rubtsov, G.K. - Role of secondary reactions in the process of thermal decomposition of Bashkirian lignite. p. 57.
Syromiatnikov, N.I., Volkov, E.V., Suslov, V.I. - Features of approximate simulation of nonisothermal gas flow in cyclone furnaces. p. 66.
Volkov, V.F., Andriushchenko, IU.S. - Air conditioning of crane cabins in hot departments of metallurgical plants. p. 79.
Gurevich, M.I. - Heat transfer in the gasification heat exchanger of an oxygen system with a liquid pump. p. 89.
Zaets, V.N. - Experience in operating a steel water-tube heating boiler. p. 97.
Lifshits, A.G. - Conversion of gas velocity to pressure in a pipeline with sudden expansion. p. 100.
Magrachev, S.L. - Interstage pressure in a two-stage piston compressor. p. 103.
Magrachev, S.IA. - Temperature determination in the compression cycle of a piston-type compressor. p. 108.
Semigraphical method for determining the power of drives for piston-type and rotary compressors. p. 112.
Uspenskii, E.N. - Principal factors affecting the efficiency of the working process of a gas turbine system. p. 118.

TALLINN. POLUTEHNILINE INSTITUUT. Toimetised, Seriia A. Trudy Tallinskogo politekhnicheskogo instituta [POLYTECHNIC INSTITUTE. Studies]. No. 197, 1963.

TEHNIKA JA TOOTMINE [TECHNOLOGY AND PRODUCTION]. Issued by Eesti NSV Ministrite Noukogu Riiklik Teadusliik-Tehniline Komitee and Eesti NSV Ametiuhingute Noukogu [State Scientific Technological Committee of the Council of Ministers of the Estonian S.S.R. and the Council of Trade Unions of the Estonian S.S.R.]. Tallinn, vol. 7, nos. 8-10, Aug.-Oct. 1963. [In Estonian]

TEKHNIKA - MOLODEZHI [TECHNOLOGY FOR YOUTH]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 30, no. 11, 1962.

Table of contents translated:

Nekrasov, O., Doldobanov, G. - Economics build plants. pp. 1, 29.
Landau, L., Kitaigorodskii, A. - Motion, what is it? p. 3.
Viktorov, A. - Amusing historical facts. p. 4.
Sharov, I. - Rebirth of the ether??? p. 5.
Terekhin, L. - As roomy as in the lines of poetry; poem. p. 6.
How was this picture taken? p. 8.
Brief correspondences. p. 10.
Filanovskii, G. - Twelve years of a human life; story. p. 12.
Birth of a new method for the training of young sci-

B 16.4 entists, p.14.
Smirnov, G. - Thoughts inspired by exhibits, p.17.
The roll call of the detachments of the "Searchlight of the Communist Youth League" movement continues, p.18.
Gonfalonieri, L. - Let's make a trip to the moon, p.20.
The best of the worlds, I.Khobana, story. p.22.
Rustle of pages, p.25.
In the world of books, p.26.
Emme, A. - Cancer will be conquered, p.27.
Pavlenko, G. - Driven by waves p.30.
Vadimov, G. - Power resources of rough seas, p.30.
Glebov, V. - Fate of the telephotorecorder, p.31.
Varhely, T. - Using air condensation to fight water "hunger," p.33.

Around the world, p.34.
Koltun, M. - Solar energy ponds, p.36.
Litvinenko, I. - Crimea drinks the elexir of life, p.37.
Do you know that.... p.38.
Time is flowing, p.39.
Sheep and wolves; game, p.40.

Vol 31, no 9, 1963
Table of contents translated
Piskunov, D - On the captain's bridge of a plant p 1
Shibanov, A. - Re-entry corridor from outer space p 3.
Poem of the current issue p 4
Perfilova, O. - Are glaciers a cause or a consequence of the change in the climate? p 5
Shatilov, A - New approach to old technology p 7
Mendelevich, G. - Wells talks about Pavlov p.8
Brief correspondences, p 10
Makers of automobiles p 12
Readers and scientists speak out p 16
Sobolev, S - Space and time are a physical reality p.17
Omel'lanovskii, M - Features of present-day physics p 17
Mitin, M - Revolution in natural science p 17
Mostovenko, V - In the direction of the main blow p 18.
Chakhotin, S. - Wisdom treasures p 22
Sosinskii, R - Change of address of a building p 23
Our university p 24
Orlov, V I - Writers talk about their work p 25
Bystrov, V - "Searchlight of the Communist Youth League" in the "Progress" Farm p 26
Streltkov, V - First Soviet firms p 26
Orlov, V - Symbol of quality p 27
From foreign journals p 27
Oneprov, A. - Perpetuum mobile; story. p.28
Arshava, A - Vortex rescues fishes p 28.
News around the world p 30
Bobrov, L - From historic bridges to the canals on Mars p 32
The ABC's of calculating machines p 34
Zvonitskii, E - When fingerprints start talking p 35
In the world of books p.35
Kardashev, V - A new engine? p 37
Club of "Tekhnika-Molodezhi" p.38

TOMSK, POLITEKHNICHESKII INSTITUT IMENI KIROVA. Izvestiia [KIROV POLYTECHNIC INSTITUTE. Bulletin], Vol.111, 1961
Table of contents translated
Tronov, B.V, Syrneva, N.V. - Complexes of aminobenzoic acids and their salts with dinitrobenzenes. p.3
Tronov, B.V., Lel'chuk, Kh.A - Kinetics of nitrobenzene nitration by 100% nitric acid and the study of the system by other methods of physicochemical analysis p.6.
Lel'chuk, Kh.A., Tronov, B.V. - Kinetic study of the nitration of some aromatic compounds in a nitrobenzene solution. p.12
Kulev, L.P., Stepnova, G.M. - Derivatives of diphenic acid Part 1. Substituted amides of 2,2'-diphenic acid. p.16
Kulev, L.P., Stepnova, G.M. - Derivatives of diphenic acid. Part 2 Esters of substituted monoamides of 2,2'-diphenic acid p.20.
Koroleva, V.R. - Ultraviolet absorption spectra of esters of 4(5)-aminoamidazole-5(4)-carboxylic acid. p.23.
Kulev, L.P., and others. - Diphenic acid esters and their plasticizing properties. p.26
Kulev, L.P., Voronova, K.R. - Azo derivatives of barbituric and thiobarbituric acids and their physiological activity. p.30.
Lopatinskii, V.P., Sirotkina, E.E., Anosova, M.M. - Chemistry of carbazole derivatives. Part 1. Acetylation of carbazole of acetic anhydride in the presence of zinc chloride and other catalysts. p.36.
Lopatinskii, V.P., Sirotkina, E.E., Anosova, M.M. - Chemistry of carbazole derivatives. Part 2 Acetylation of 9-methylcarbazole. p.40
Lopatinskii, V.P., Sirotkina, E.E. - Chemistry of carbazole derivatives. Part 3 Vinylation of carbazole with vinyl acetate and the synthesis of a 9-vinylcarbazole polymer. p.44.
Pershina, L.A., Zagrebal'nyi, S.N - Interaction of diethylchlorothiophosphate with hydrolytic lignin and its derivatives. p.46.
Lel'chuk, IU L, and others - Solubility of silver bromate in aqueous solutions of nitrates and sulfates of manganese, cobalt, nickel, and copper p.51
Lel'chuk, IU L., Skripova, L L - On the separation of metals interfering with the photocolorimetric determination of small amounts of cobalt in ores by β-nitroso-α-naphthol. p 55
Lel'chuk, IU.L., Besprozvannykh, B N - Nephelometric determination of aluminum in the form of cryolite. p.59.
Onufrienok, I P., Sokolovich, V B. - Determination of tellurium in tellurates p 62.
Onufrienok, I.P., Aksenenko, V.M. - Determination of selenium and tellurium in slimes of copper electrolysis p.65.
Akseenko, V.M - Detection of cadmium ions in the presence of copper ions p 66.
Usov, P.G, Dubovskaia, N.S - Study of the processes of hardening of ash lime binders by X-ray analysis and by means of an electron microscope. p.70
Usov, P G., Guber, E A - Refractory clays of Tugan deposits. p.77.
Khodatevich, G.N., Sakovich, L.G., Ovechkina, O.K. - Solubility of clays in acids and the pH of clays. p.81.
Gebler, I.V. - Indirect method for the determination of clay plasticity. p 83
Gebler, I.V, and others. - Effect of the additions of iron ore and fluxes on the properties of peat as a metallurgical fuel. p.86.
Smol'laninova, N.M., Kotlikov, IA. L. - Effect of the temperature and velocity of heat carriers on the artificial drying of machine peat. p 91.
Strainkovskaia, K.K., Borodin, V.K., Dinel't, V.M - Reactivity of peat coke and the effect of the additions of ore and fluxes p 95.
Gebler, I.V., Smollaninov, S.I - Brown coals in the Tugan region of Tomsk Province. p 101.
Aelstov, L.I., Konstantinov, V.V. - Polymers with chelate bonds, derivatives of 8-hydroxyquinoline p.104.
Lopatinskii, V.P., Sirotkina, E.E. - Separation of carbazole from crude acetylene with the aid of paraformaldehyde. p.107.
Strainkovskaia, K.K., Pozhitnaia, A S. - Study of ore of the Rozhdestvenka deposits of Tomsk Province as hydrogen sulfide absorber. p.110.
Onufrienok, I.P., Aksenenko, V.M., Novikova, E.S. - Coprecipitation of selenium and tellurium with the aid of collectors. p 115.
Sokolovich, V.B., Onufrienok, I.P., Besprozvannykh, B.N. - Determination of copper in ores (about 0,5% content) with a guaranteed accuracy to the second decimal place. p.119.
Buntin, A.P., Neustroeva, V.N. - Effect of the addition of palladium on the rate of interaction of solid acetates with hydrogen sulfide. p.124.

VISTI UKRAINS'KYKH INZHENERIV. UKRAINIAN ENGINEERING NEWS. Issued by the Ukrainian Engineers' Society of America and the Ukrainian Technical Society in Canada. New York, vol.14, no.1(78), Jan. - Mar. 1963.

VSESOIUZNYI SOVET NAUCHNO-TEKHNICHESKIKH OBSHCHESTV. Nauchno-tekhnicheskie obshchestva SSSR [ALL-UNION COUNCIL OF SCIENTIFIC TECHNOLOGICAL SOCIETIES. Scientific Technological Societies of the U.S.S.R.]. Moscow, vol.5, no.6(54), June 1963.
Table of contents translated:
To work and live in a communist way. p.2.
Chernyshev, P.S. - Visible features of communism. p.5.
Loboda, V. - Every shock worker of communist labor should be a researcher. p.7.
Kononchuk, G. - Toward new achievements in work. p.8.
Gritsenko, N. - Introduction of new equipment should be under public control. p.11.
TSvetikov, A. - Economic approach. p.14.
Lauzhadis, A. - For the good of our beloved country. p.17.
Fionov, N. - Honor of an engineer is a public matter. p.19.
Arzhanikov, N. - Pride of our science and technology. p.21.
Sorokin, A. - Basic attention of creative organizations p.25.
Vorob'eva, V., and others. - How are decisions of the presidium of the All-Union Council of Scientific and Technological Societies carried out. p.27.
Popov, A. - Ukrainian hour. p.31.
Monakhov, N. - Increase in knowledge is required by our time. p.34.
Pakov, N. - Scientist, teacher, social worker. p.37.
Il'in, L. - Kursk Magnetic Anomaly reveals underground storerooms. p.40.
Zamalin, S. - Planning of material reserves should be based on science. p.43.
Repnikov, K. - Hundreds of millions of poods of grain can be saved. p.47.
Bogdanovskii, V. - Origination of a collective solution. p.50.
Danilin, V. - Under public control. p.51.
Litvinov, P. - First but confident steps. p.52.
Zharazskaia, E. - Success depends on the activity of the scientific technological society organization. p.54
Chistov, A. - Scientific technological societies in China. p.57.
In leisure hours. p.60.

*ZHURNAL TEKHNICHESKOI FIZIKI [JOURNAL OF TECHNICAL PHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, vol 33, no.4, Apr. 1963
Table of contents translated:
Kovrizhnykh, L.M. - Magnetic surfaces of a toroidal screw field. p.377.
Khomaziuk, V.G. - Fresnel diffraction on the edge of a transparent half-plane of finite thickness. p.382.
Kel'man, V.M., Rodnikova, I.V. - Mass spectrometers with two-dimensional electric and magnetic fields. p.387.
Dymnikov, A.D., Ovsiannikova, L.P., IAvor, S.IA. - Systems of quadrupole lenses. p.393.
Demidov, V.P. Frank-Kamenetskii, D.A., IAkimenko, V.L - Magnetic sound in a plasma with thermal motion. Part 2. Absorption of magnetoacoustic waves in a plasma. p.399.
Demidov, V.P. - Field structure in the cross section of a plasma-filled wave guide. p.406.
Pataraia, A.D. - Instability of a solitary wave moving in a plasma along a magnetic field. p.412.
Krasnov, B.N. - Self-simulating motion of a cylindrical plasma column. p.415.
Brodskii, V.B., and others. - Radio sounding of plasma clots. p.419.
Brodskii, V.B., and others. - Radio sounding of a plasma moving inversely to the electrodynamic acceleration in a coaxial accelerator. p.426.
Levitskii, S.M., Shashurin, I.P. - Passage of a signal between two superhigh-frequency probes immersed in a plasma. p.429.
Pakhomov, V.I., Stepanov, K.N. - Radiation of an electron moving spirally in a magnetoactive plasma. Part 3. p.437.
Naryshkina, L.G., Barsukov, K.A. - Radiation from an oscillator moving in a wave guide. p.441.
Moroz, E.M. - Dynamics of the motion of opposite beams with allowance for their interaction in storage systems. p.455.
Indreash, G., and others. - Study of gamma rays in a cyclotron resonance system. p.462.
Morozov, P.M., Pil'gunov, L.N. - Source of molecular hydrogen ions for the "Ogra" apparatus. p.470.
Nikolaev, IU.N. - Study of a high-voltage discharge in a vacuum at a frequency of 25 Mc. p.470.
Bondarenko, S.T. - Widening of a gas discharge channel. p.486.
Rovinskii, R.E. - Electric characteristics of a high-pressure arc in xenon. p.489.
Ivanov, B.S., Troitskii, V.S. - Plotting a directionality diagram for molecular beams. p.494.
Bulgakov, IU.V. - Theory of sputtering of metals by light ions. p.500.

Vol. 33, no 7, July 1963.
Table of contents translated:
Nekrasov, F.M. - A class of nonlinear solutions of a kinetic equation without allowance for the collisions integral. p.769.
Timofeev, A.V. - Convection in a weakly ionized plasma in an inhomogeneous external magnetic field. p.776.
Zaslavskii, G.M., Moiseev, S.S. - Viscosity processes in relativistic magnetohydrodynamics p.782.
Berezin, IU.A. - Self-oscillations of a plasma ellipsoid in a constant magnetic field. p.789.
TSytovich, V.N. - Theory of the motion of charges along the axis of a channel in a medium. p.795.
Zaslavskii, G.M. - Heat flow in relativistic magnetohydrodynamics. p.801.
Karpman, V.I., Sagdeev, R.Z. - Structural stability of a shock wave front moving across a magnetic field in a rarefied plasma. p.805.
Tkalich, E.F., Tkalich, V.S. - Contribution to the theory of stationary states of a high-temperature plasma; a plasmoid with a longitudinal magnetic field. p.815.
Khizhniak, N.A., Kolesnikov, P.M. - Contribution to the theory of electrodynamic acceleration of plasma clots in a coaxial accelerator. p.820.
Kupriianov, S.E., Perov, A.A. - Dissociation of ions from methane, ammonia, and water due to collisions with molecules in the energy range 3.5 to 100 Kev. p.823.
Popov, A.T. - Equalization of longitudinal velocities of electrons in modulated streams. p.832.
Kononov, B.P. - Compression of a plasma in a magnetic trap with opposing fields. p.835.
Raiser, M.D. - Compression of a high-frequency ring discharge by an increasing magnetic field. p.839.
Dzhaugashtin, K.E. - Some problems in the theory of the boundary layer of a conducting fluid. p.843.
Dymnikov, A.D., IAvor, S.IA. - Four quadrupole lenses as an analogue of an axisymmetric system. p.851.
Andreev, S.I., Vaniukov, M.P. - Effect of the afterglow on the duration of the ultrashort light flashes occurring in a spark discharge. p.859.
Pinskii, IA.M. - Effect of collisions on the localization of electrons in a high-frequency field. p.864.
Genshaft, IU.S. - Usability of the reference points of a pressure scale. p.867.

Sonin, E. B. - Effect of near-the-electrode regions on the electric resistance of a weakly ionized plasma. p. 872.
Baryshev, A. I. - Damping of phase oscillations due to the interaction between the particles and the accelerating system. p. 882.
Kroindel', IU. E. - Electron current at the outlet of a *Penning tube*. p. 883.
Lur'e, K. A. - Propagation of slight perturbations in a gas of finite conductivity in a magnetic field p. 886.
Balkov, I. S., Ramazashvili, R. R. - Relaxation of the temperature of charged particles in a plasma p. 890.
Zykov, A. I., Ostrovskii, E. K. - Methods for calculating the parameters of a buncher with v_z = const. p. 892.

b. AERONAUTICS

GRAZHDANSKAIA AVIATSIIA [CIVIL AVIATION] Issued by Glavnoe upravlenie grazhdanskogo vozdushnogo flota pri Sovete Ministrov SSSR [Main Administration of Civil Aviation, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol. 20, no. 7, July 1963.

Table of contents translated:

Alekseeva, A. - Mind, honor and conscience of our era. p. 2 of cover.
Pavlov, A. - They have skillful fingers p. 4.
Sadchikov, F. - Frontiers of friendship. p. 6.
Good initiative has no limits. p. 8.
Platonov, S. - Guide of air pilots p. 11.
Chetyz, T., Beloglazov, D., Ivanov, V. - Party and state inspection in action. p. 12.
Bangerskaia, T. - Guide of flights. p. 14
Ryshkov, I. - A difficult test. p. 15.
Volokitin, I. - "Chaika" and "IAstreb" came to Moscow. p. 16.
Krutov, N. - Today airplanes, tomorrow spaceships. p. 18.
Valerius, IU. - Cuba is my love. p. 20.
Shvartsman, IA. - They are my fliers. p. 22.
Chernyshev, G. - Loaders are going to fields. p. 26.
Emel'ianov, IU. - Mechanisms are our helpers. p. 26.
Domin, V. - Profession starts in a school. p. 27
Lapshin, A. - Use centralized instead of primitive methods. p. 27
Uskov, V. - Has everything been taken into consideration? p. 28.
Plakson, V. - Confirmed by experience and practice. p. 28.
Slubin, G., Ozdoev, V. - Above sugar-beet plantations. p. 29.
Ceskoslovenske Aerolinie. p. 30.
Information office of the "Grazhdanskaia Aviatsiia." p. 31.

Vol. 20, no. 8, Aug. 1963.

Table of contents translated:

Glory of these years will forever linger. p. 1.
Shaposhnikov, V. - Soviet fifth ocean p. 2.
TSyganov, I. - Born in 1962 and named "II." p. 6.
Higher, farther, and faster than all others. p. 7.
Pechenkina, L. - Everyday for the people. p. 8.
Varenov, V. - Vocation. p. 9.
Pepler, L. - Friendship without compromises. p. 11
Arkhipov, P. - Not only by authority. p. 12.
Information office of the "Grazhdanskaia aviatsiia" (to be concluded). p. 15.
Ezhov, N. - Our regulations. p. 16.
Gorislavskii, M. - Different approaches to requirements. p. 19.
Ermolov, V. - It is time to review old regulations. p. 20.
Rasulov, Z. - Kokand virgin lands. p. 21.
Avgevich, V. - In advance of the airplane. p. 22.
Gorshkov, A. - Enough of declarations and admonitions. p. 24.
Abakumov, G. - Thoughts about advertising. p. 26.
Bogun, F. - Piloting the Mi-4 helicopter. p. 26.
Akimov, E. - Even a victor is criticized. p. 30.
Brief news. p. 31.
For your health, aviator. p. 3 of cover.

KRYL'IA RODINY [WINGS OF THE MOTHERLAND]. Issued by Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 14, no. 7, July 1963.

Table of contents translated:

To the Communist Party and peoples of the Soviet Union, to peoples and governments of all countries, *to all progressive mankind*. p. 2.
Outstanding contribution to the world of science. p. 3.
Skvortsov, A. - The party has given us the wings. p. 4.
Chistiakov, V. - It is a flight of friendship. p. 5.
The 17th record. p. 7
Argunov, O. - The first woman in space. p. 8.
Rebrov, M. - So they go toward stars. p. 11.
Be ready for new starts p. 14
Kotliarskii, M. - Talking as a man with men. p. 15.
Balakin, N. - The Mu-1 helicopter expands boundaries. p. 17.
Krasovskii, S. - During the Kursk battle. p. 18.
Borzov, I. - Reliable defenders of offshore boundaries. p. 21.
Sidorenko, A. - Roundabout. p. 23.
Zharovikov, A. - Creators of innovations. p. 24.
Lebedinskii, M. - Fascinated by the sky p. 25
Artseulov, K. - First wings p. 27
Vinokurov, A. - The club gains altitude. p. 30.
Facts, events, people p. 32
Zharkovskii, I. - This is friendship p. 34
Il'chenko, V. - Tactics of a formation soaring flight. p. 36.
Borisov, E., Chulanov, D. - Look sharp p. 38.
Stepanov, A. - At the sources of a song p. 40.
Kudriavtsev, S. - Rocket launching site for young people p. 43
Ermakov, A. - Airplane-model racing. p. 44.
Oganesian, A. - Radio waves replace the cord p. 45

Vol. 14, no. 9, Sep. 1963.

Table of contents translated

Shatunov, G. - Mass participation and skill form the motto of the "Spartakiada." p. 1.
Kotliarskii, M. - A live conversation with others. p. 5.
Erofeev, N. - From our airfield. p. 8
Malkov, V. - To the Main Designer, verse. p. 9
"Chaika" returns to the earth. p. 10.
Izmailov, V. - An outstanding team p. 12
Zelenovol, O. - Flights are going on, verse. p. 12.
Zharkovskii, I. - Sky, friendship, skill p 15
TSarev, P. - Ten gold medals. p 20
Semenkevich, N. - Glory to the hero. p. 22.
Binov, M., Karas', P. - Story of a monument. p. 22
Shutilo, E., Leshenluk, I. - One against nine. p 22.
Universe, open your doors! p. 24
Liakhovetskii, M. - Airplane looks for fish. p 25.
Facts, events, people. p. 26.
Egorov, K. - Twenty three thousand kilometers in gliders p 28
Zaramenskikh, V. - Needs of a voluntary instructor. p. 29.
Rudnitskii, IA. - Records in soaring. p. 30.
Babaev, N. - Heroic flight. p 31.
Kuznetsov, IU., Sevast'ianov, E. - Convergence in a free fall. p. 32.
Ivashechkin, IU. - Aerodynamics of a guided parachute p. 35
Stepanov, A. - At the sources of a song (continuation) p. 38.
Club members, set to work! p. 41.
Vasil'ev, A. - Most favorable trajectories for gaining in altitude. p 42.
Airplane-model competitions. p. 44
Bel'man, B. - Attention! Advanced flying is performed! p. 45.
It is useful to know this p. 46.

REFERATIVNYI ZHURNAL: AVIATSIONNYE I RAKETNYE DVIGATELI (Otdel'nyi vypusk 34) [JOURNAL OF ABSTRACTS: AIRCRAFT AND ROCKET ENGINES (Separate Issue 34)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 9, Sep. 1963.

REFERATIVNYI ZHURNAL: RAKETOSTROENIE (Otdel'nyi vypusk 41) [JOURNAL OF ABSTRACTS: ROCKET BUILDING (Separate Issue 41)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 9, Sep. 1963.

VOPROSY RAKETNOI TEKHNIKI, sbornik perevodov i obzorov inostrannoi periodicheskoi literatury [PROBLEMS OF ROCKET ENGINEERING; Translations and Surveys of Foreign Periodical Literature]. Published by Izd-vo inostrannoi lit-ry [Publishing House of Foreign Literature]. Moscow, vol. 13, no. 8(104), 1963.

c. CHEMICAL TECHNOLOGY

KHIMICHESKOE MASHINOSTROENIE [CHEMICAL MACHINERY MANUFACTURE]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, no. 4, July-Aug. 1963.

Table of contents translated:

Borisoglebskii, B. N. - Present state and prospects for the development of the manufacture of filters in the U.S.S.R. p. 1.
Gorokhov, V.S., Chernyshov, B.A., Narinskii, G.B. - "VNIIKIMASh BR-6" nitrogen-oxygen separation unit. p. 4.
Kasatkin, A.G., Lokae, V.M., Elkin, L.N. - Operation of screw-type reactors-heat exchangers. p. 8.
Syshchikov, V.I. - Mobile calcium chloride air-drying apparatus. p. 11.
Ardashev, V.I. - Rotary helium plate compressors. p. 13.
Popandopulo, IU.G., Starkova, M.G. - Separation of secondary steam in evaporation apparatus. p. 17.
Vil'der, S.I. - Simplified method for designing vacuum steam ejectors. p. 19.
Smolentsev, IU.A. - Design of perforated thin-walled cylinders and plates. p. 23.
Labutin, A.L., Mal'shina, L.P. - Corrosion of steels in mixtures of sulfuric acid with formaldehyde. p. 28.
Farber, G.Kh., Nikitin, D.G. - Reconditioning of thick-walled high pressure apparatus by means of electric arc welding. p. 29.
Ershov, B.A. - For improved efficiency in design and construction work p. 32
Trukhin, A.Kh - Sectional rods for piston compressors and circulating gas pumps. p. 34.
Kukhta, E.P., Forostian, IU.N. - Sectional mold for the polymerization of styrene. p. 35.
Vit'ko, P.I., Roitman, V.I., Voznyi, A.V. - Using the magnetic method for controlling the hardness of pipes. p. 35.
Stepanov-Grebennikov, N.M. - Mechanization of the lifting of a binding clip on three-roller machines. p. 37.
Maizel', TS.G., Vizel'berg, M.B., Shkurko, L.V. - Nickel plating in the presence of sodium fluoride p. 37.
Shevelkin, B.N. - Use of titanium in the chemical machinery manufacture in Japan. p 38.
Mozyrskii, I.B., Listopad, A.F. - Transfer line for the manufacture of a body and bottom of an electric socket. p. 42.
Twenty-fifth anniversary of the State Scientific and Technical Publishing House of Literature on *Machinery*. p. 43.
New machines, apparatus, and devices. p. 44.
News of technology abroad. p. 46.
Bibliography p. 47.

KHIMIIA I TEKHNOLOGIIA TOPLIV I MASEL [CHEMISTRY AND TECHNOLOGY OF FUEL AND OIL]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 8, no. 8, Aug. 1963.

Table of contents translated

Magaril, R.Z. - Mechanism underlying carbon formation in the processes of thermal conversions of hydrocarbons p. 1.
Belokopytova, A.P., and others - Hydrogenation of the C_{10} - C_{18} acids over copper-chromia and zinc-chromia catalysts. p. 6.
Sycheva, A.M., Egorov, N.N - Resistance of a large packing layer in a nonisothermal stream. p 10.
Serafimov, L.A., Mozzhukhin, A.S., L'vov, S.V. - Design of distillation columns for separating binary mixtures of partially mixing components. p 16.
Kazhev, V.I., and others. - Activity of phosphoric acid catalyst pellets p. 19.
Vol'f, M.B., and others. - Use of molecular sieves for an advanced stage of ethylene refining p. 23.
Anisimov, I.A., Plotagin, N.B., Rykova, S.S. - Role played by the petroleum refining industry in the creation of major industrial chemical complexes p. 30.
Marchanov, M.A., and others - Development of the technology of the continuous refining of petroleum distillates by means of sulfuric acid. p. 32
Braunshtein, B.A., Klimenko, V.L. - Technical and economic evaluation of various methods of production of petroleum paraffins p 33.
Zaglodin, L.S., Ageev, G.I. - Tubestills for heating a mixture of gaseous products in plants of the catalytic reforming of gasolines. p. 38.
Fratman, R.S., Gel'perin, E.N., Luzanova, T.I. - Gas-distributing units with conjugate cones for the apparatus with a fluid bed. p. 44.
Vipper, A.B., Kleimenova, Z.A., Lisovskaia, M.A. - Properties of ash-free polymeric type washing additives. p. 47.
Bushueva, E.M., Bespalov, I.E. - Effect of the frictional and hydrocarbon composition of fuels on thermal stability. p. 49.
Faerman, D.V. - Method of analysis of soluble oil emulsions by titration in nonaqueous solvents. p. 54.
Kaplan, S.Z., and others. - Effect of the braking radiation of betatron with an energy of 25 Mev and of ultraviolet rays on mineral oils. p 57.
Dukhovnyi, G.E. - Semiautomatic apparatus for the cryoscopic determination of the molecular weights of petroleum products. p. 62.
Demchenko, V.S., Shchemelev, V.N. - Electronographic examination of films formed on lead by anticorrosive additives. p. 64.
Eight years of operating experience with the ultraforming process. p. 69.
Processing methods of petrochemical synthesis. p. 71.

KHOLODIL'NAIA TEKHNIKA [REFRIGERATION ENGINEERING]. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut kholodil'noi promyshlennosti [All-Union Scientific Research Institute of the Refrigeration Industry]. Moscow, vol. 40, no. 3, May-June 1963.

Table of contents translated:

Improve the economics of operation, lower the operational costs.
Kan, K.D. and others - Investigating the refrigeration compressor operated with Freon-143. p. 5.
Cheglikov, A.G. - Effect of the superheating of the suction vapor on the performance of the propane compressor. p. 9.
Cherniak, A.L., Iakobson, V.B. - Low temperature hermetic compressors. p. 15.
Tret'iakov, N.P., Surenkov, S.I. - Absorption system domestic refrigerator with plate evaporators. p. 22.

B 10c Bolko, G.A., Bernadskii, V.N., Fitkevich, N.F. - Plate heat exchangers in the domestic "Ukraina-70" refrigerator. p. 25.
Fedotov, E.L. - Rate of sublimation of dry ice. p. 28.
Shelaputin, V.I. and others. - Dehydrofreezing of vegetables and fruits. p. 30.
Tsitser, V.A. - Food freezing on a metal sheet. p. 33.
Klochkova, E.A., Lifshits, G.I. - Mechanization of loading operations of eggs packed in wooden boxes. p. 36.
Andriachnikov, E.I., Kaplan, L.G. - Quality of commercial refrigerating equipment. p. 40.
Lovin, A.M. - Elastic coupling for the direct drive of refrigerator compressors. p. 45.
Irzhevskii, V.P. and others - Automatic control of the operation of intermediate vessels in a dry ice plant. p. 47.
Smirnov, D.G. - Semiautomatic machine for packaging ice cream into wafer cups. p. 48.
Dmitiev, R.I. - Use of steam jet systems as booster compressors in the processing plants of meat and dairy industries. p. 50.
Kokhichko, K.S. - Steam jet refrigeration system in the Melitopol' City Dairy Plant. p. 52.
Kaplan, L.G., Petrukhin, Iu.M. - Repair of the heat exchangers of small refrigerating machines. p. 54.
Sokolov, V.M. - New cold storage warehouse in Severodvinsk. p. 68.
Coordinating conference on the manufacture of commercial machinery. p. 69.
Readers' conference in Kaliningrad. p. 69.
Report on the automation of refrigerating plants. p. 60.
Thirty-five years of the engineering and public activities of M.G. Dik. p. 60.
Product distribution center of the "Safeway" Company in Landover Hills. p. 61.
Ioffe, D.M. - Use of thermoelectric refrigeration in foreign countries. p. 65.
Kantorovich, V.I. - Analysis of the failures of small refrigerating machines. p. 72
Il'ina, N.I. - Low temperature thermochamber for the cold treatment of metals. p. 74.

*KOKS I KHIMIIA [COKE AND CHEMISTRY]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, no.10, 1962.

Table of contents translated:

Levchenko, N.IA., Khramova, M.IA - Airlift centrifugal system. p. 3.
Shapiro, M.D., Al'terman, L.S. - Development of the plastometric method for the evaluation of coking properties of coals and coal charges. p. 6.
Finkel'shtein, P.K. - Analyzing the indicators of coking properties by the yield of low-temperature carbonization products. p. 11.
Ivanov, E.D., and others. - Predicting the size of coke. p. 14.
Maukhin, G.D. - In the Makeyevka Coking Plant. p. 19.
Volosbin, A.I., Virozub, I.V., Kazmina, V.V. - Heat consumption in coking and ways for its reduction. p. 20.
Kal'manov, K.G. - Guniting of gas conduits in underjet coke ovens. p. 24.
Azimov, A.A. - Reliability of coking machinery. p. 27.
Chen, N.G. - Corrosion control of coke quenching cars. p. 31.
Medvedov, K.P., and others. - Polyatomic phenols obtained by high-temperature carbonization. p. 33.
Karpukhin, P.P., Nikitenko, A.G. - Thiophene recovery from benzene fractions by the sulfonation method with subsequent hydrolysis. p. 36.
D'iakova, M.K., and others. - Obtaining solvents from naphthalene-containing industrial oils. p. 40.
Shorygina, N.V., Chernova, A.G., Derzhinskii, A.R. - Obtaining of phenanthrene phenol formaldehyde resins. p. 43.
Eru, I.I., and others. - Catalytic hydrogenation of quinoline for the production of the "Kyusol" repellent. p. 46.
Levchenko, Z.I., Dankova, N.M. - Use of wire reinforced inolite for the protection of chemical apparatus. p. 49.
Kotkin, A.M., Samylin, N.A. - Systems of payment for the quality of concentrates and industrial products. p. 51.
Sipovich, S.IU., Lunev, IU.I. - Electric pusher cars in the Dnepropetrovsk Coke and Coal Chemicals Plant. p. 55.
Shumov, N.D. - Cable guide rollers for the grabs of coal loaders. p. 57.
Kuz'menkov, A.R., Kovalevskaia, M.M. - Work of the Central Coal and Coke Laboratory in the Donetsk Coke and Coal Chemicals Plant performed during 1962. p. 58.
From pages of factory wall newspapers. p. 59.
Poisakhzon, I. - New trends in the planning, design, and construction of coke and coal chemicals plants in the United States and Canada. p. 60.
Fel'dbrin, M. - Manufacture of coking by-products in the German Federal Republic during 1960. p. 62.
New research center of the Koppers Company (U.S.A.). p. 63.
Gupalo, IU.P., Andreu, U.TS. - Concerning I.Z. Margolin's book "Preparation of coals and dressing of nonmetallic ores in heavy media." p. 63.

No 6, 1963.

Table of contents translated

Rakov, V.V., and others. - Modifications of the technological flow sheet for the preparation of the coal charge in the Kuznetsk Metallurgical Combine. p. 3.
Florinskii, N.V., Politakov, I.I. - Remarks concerning V.V Rakov, A.A. IUferov, V.S. Raskin and G.I. Kalinina's article "Modifications of the technological flow sheet for the preparation of the coal charge in the Kuznetsk Metallurgical Combine." p. 7.
Shapiro, M.D., Al'terman, L.S. - Evaluation of slightly coking and noncoking highly metamorphized coals as a raw material for coking p. 9.
Zakhavaeva, N.N., Shên' Tszên'-Min' (Shen Tsen-Min). - Determining the strength of coke by the specific surface of coals. p. 13.
Shelkhet, A.M., and others. - Duplex apparatus developed by the Institute of Mineral Fuels and Dnepropetrovsk Metallurgical Institute for determining the dynamics of coal swelling during coking. p. 15.
Romanenko, V.I. - Experience in the regulation of the coke oven battery with high burners. p. 18.
Kostiunin, I.K., and others. - Causes of the rupture of the upper transversal anchor bolts of coke ovens. p. 21
Panenko, F.M., Sychev, A.T., Tiho-Brin'ol', E.V. - Automation of the charging of pitch-coke ovens. p. 24.
Litvinenko, G.Kh., Suslikov, A.D., Garan', F.A. - Automation of coke sorting and distribution p. 27.
Semisalov, L.P. - Technological evaluation of coke samplers. p. 31.
Litvinenko, M.S., and others. - Obtaining sodium thiocyanate for the manufacture of nitron fibers. p. 34.
Smirnov, A.M., TSekhanskii, E.S. - Experience in the automatic regulation of the operations of rectification columns with continuous action. p. 40.
Zlatin, L.I., and others. - Dephenolization of industrial phenol-containing waste waters with benzol extraction. p. 42.
Buriak, A. - Universal drum-type crystallizer for the crystallization of the naphthalene fraction in a thin layer. p. 44.
Kogan, I.E., Bragilevskaia, M.M., Neimark, M.E. - Use of partition chromatography and spectrophotometry in the ultraviolet zone for determining the composition of phenol products. p. 48.
Dorogobid, G.M., Mordukhovich, R.V. - New equipment for the coke and coal chemicals production in the Magnitogorsk Metallurgical Combine. p. 53.
Brovman, M.IA., Mikhailov, G.M. - Use of graphite bushings in the sliding bearings of coke machinery. p. 56.
Sypko, M.E. - Increasing the sources of hydrogen supplied for ammonia synthesis. p. 57.
Ulitskii, L.I. - Coal coking in the U.S.A. p. 57.
Fel'dbrin, M. - Control and measuring instruments in the coke and coal chemicals industry p. 61.
Liubimov, A.A. - In the Scientific Council of the "New processes in the coke and coal chemicals industry." p. 63.

No. 8, 1963.

Table of contents translated:

Work and education are inseparable. p. 3.
Muchnik, D.A. - Effect of the presence of gas coals in the coking charge on the columnar structure of the coke pieces. p. 7.
Kanavets, P.I., and others. - Preliminary granulating of coal charges with rolling in mazut. p. 10.
Beilin, M.I., and others. - Industrial testing of the type KhGI fluid-bed dryer. p. 14.
Levchenko, I.I. - Automation of slurry pumping machinery. p. 19.
Bronshtein, A.P., and others. - Shrinkage and formation of phase stresses in coke. p. 22.
Bykov, A.N. - Methods for determining the vertical shrinkage of the coke cake. p. 27.
Borisov, V.I. - Temperature distribution along the heating walls of type GPK-49 pitch coke ovens. p. 31.
Taits, E.M. - Relation between the structure and properties of coke. p. 34.
Zurakhinskii, N.S. - Automation of the apparatus for washing fractions in the tar distillation shops of the coking and coal chemical plants. p. 37.
Rus'ianova, N.D., Goftman, M.V., Beliaeva, G.F. - Recovery of concentrated phenanthrene from the phenanthrene fraction. p. 40.
Ievlev, V.V. - Decontamination by evaporation of the tar water from coke and coal chemical plants. p. 42.
Grudskii, E.D. - Decontamination of waste waters from arsenic-soda desulfuration with the recovery of salts. p. 47.
Safonova, A.A., Lukash, E.V. - Rapid method for determining nitrogen oxides in concentrated sulfuric acid of wet catalysis. p. 51.
Leites, V.A., Lozanov, I.F. - Analyzing some technical and economic indices of the work of the coke and coal chemical industry in the Ukrainian S.S.R. p. 52.
Azimov, A.A., Naida, V.A. - Studying the mechanisms of the travel of door extracting machines and of the door removal. p. 56.
Liubimov, A. - Conference of the Scientific Council on the "New processes in the coke and coal chemical industry." p. 61.
Odnopozov, M., Zolotarev, M. - In the Technical Council of the State Institute for the Design and Planning of the Enterprises of the Coke and Coal Chemical Industry. p. 62.
Ulitskii, L.I. - Coal coking in Great Britain. p. 62.

No. 9, 1963

Table of contents translated

In connection with the conference of the chemists of the coke and coal chemicals industry. p. 3.
Finkel'shtein, P.K., Golenda, V.F., Starushkina, N.A. - New classification indices for Donets Basin coals p. 6
Shapiro, M.D., Al'terman, L.S., Keitel'glaser, S.R. - Effect of the degree of fineness of crushing on the properties of the plastic mass of coals and charges p. 10.
Obukhovskii, IA.M., Pyzhov, IU.V., Shelkhet, A.M. - Studying the expansion pressure of coals in connection with the preparation of coal charges for coking p. 14.
El'iashevich, M.G., and others. - Increasing the efficiency of slurry flotation. p. 18
Vegner, M.I. - Determining the moisture and ash content of fuel from a single sample p. 19
Lipkin, D.S., Glushchenko, I.M. - Characteristics of the heat regulation of PVR type ovens fired with blast-furnace gas p. 20
Kuperman, P.I., and others. - Effect of the lengthening of the coking time on the coke quality and testing of coke in the blast furnace process. p. 23
Votoshin, A.I., Sklian, M.G., Bogolavienskii, K.A. - Mechanical strength of coke and methods for its evaluation p. 29
Semisalov, L.P., and others - Effect of the shape of coke pieces on some indices of size p. 33
Ganz, S.N., Kuznetsov, I.E. - Removal of hydrogen sulfide in hollow even-flow absorbers with a centrifuge volumetric sprayer. p. 37
Lebedeva, G.N., and others. - Recovery of pure ammonium sulfate in case of processes using Glover acid p. 42
Kogan, B.E. - Recovery of pure quinoline. p. 45
Karlinskii, L.I., Buchkina, Z.A. - Use of the phenol complex of boron fluoride for the production of coumaron-indene resins p. 47
Kononov, N.A., Semenova, A.A., Grund, F.F. - Regeneration of spent acids and neutralization of acid in a naphthalene plant p. 51.
Trub, I.A. - Intensification of the heat transmission in tubular coolers p. 52
Sekt, P.E., and others. - Analyzing the coal indices on the flotation process p. 53.
Shumov, N.D. - Cracks in the runway girders of coal reloading machines p. 56
Fel'dbrin, M. - Coke ovens in foreign countries. p. 60.
Pil'skii, I.IA. - Review of B.V. Berezin's book "Maintenance and repair of the coke industry equipment." p. 61.
TSiperovich, M.V., Lazov, I.M., Fel'dbrin, M.G. Review of A.A. Agroskin and A.K. Sheikev's book "Expansion of the resources of coking coals." p. 63.
Bibliography p. 3 of cover.

KONSERVNAIA I OVOSHCHESUSHIL'NAIA PROMYSHLENNOST' [THE CANNING AND DEHYDRATED VEGETABLE INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 18, no. 7, July 1963.

Table of contents translated:

Create a modern industry for the manufacture of food products from corn and potatoes. p. 1.
Rovinskii, A.S., El'kin, I.A. - Thermal system TA-1 for the peeling of potatoes. p. 4.
Makarov, G.P., Daev, P.A., Domkovich, V.V. - Mechanization of the conveying of tomato paste from the production shops to the warehouse of finished products. p. 7.
Lortkipanidze, R.Kh. - Vibratory system for filling cans with stone fruits and sirup. p. 9.
Strovpivskii, I.M. - Modification of the technology for the production and storage of pickles and sauerkraut. p. 12.
Bogdankevich, V.V., Lur'e, B.R. - Construction of the Kaushany Canning Plant. p. 15.
Parkhomovskaia, A.D. - New type of acid-resistant lacquer for electrolytically plated and tinned iron. p. 18.
Kukushkina, T.I. - Hermetical sealing action exerted by the packing paste during the sterilization of nonhermetic tin containers. p. 22.
Tkachenko, N.N. - Breeding work with sweet corn. p. 25.
Paramonov, F.F., Govorov, N.V. - Biochemical analysis of sweet corn. p. 27.

Kovalevskaia, L.P., Vasil'eva, K.V. - Effect of gamma on the synthesis of carotinoids in tomatoes. p.29.
Skurikhin, A.I. - Improve the procurement of cranberries. p.42.
Chigirinskii, P.K., and others. - Alleviating the seasonal factors of work. p.43
Dzhurinskii, N.I. - Potentials for increasing labor productivity in auxiliary operations. p.36
Litvinova, L.P., Eremenko, T.D. - Mechanization and automation of production processes in the Canning Combine in Krymsk. p.41
Lorokhov, V.P. - Adoption of the international unit system in the U.S.S.R. p.12.
From pages of newspapers. p.45

Vol 18, no 9, Sep 1963
Table of contents translated
Ilinskii, N.S. - Petrichye Canning Plant on the upswing. p.1
Saftonova, T.M. - Specialization in the technology of canning. p.4
Ponomarenko, R.M. - Studying osmosis and diffusion in cucumber preserves. p.5
Lel'chuk, A.I., Gosin, Z.D., Katsevich, A.I. - Preparation of canned plums from the Early Shiloukha variety. p.8
Mordkovich, M.S., Rikhter, A.G. - Establishing the norms of raw material expenditure in drying plants. p.9
Sokolova, V.I. - First International Congress on research work and technology in the field of food products. p.17
Ivliatinkova, G.N. - Effect of spraying before harvesting on the shedding and keeping quality of Antonovka apples. p.17
Tsykov, L.A. - Promising varieties of quince. p.19
Khachatrian, A.L., Ishkhanian, S.M. - Effect of potash fertilizers on the quality of raisins. p.22
Shornikova, N.M., Anokhina, V.I. Iakovleva, S.G. - Chemical and technological testing of the varieties of white cabbage. p.24
Kovalevskaia, L.P., Sitaeva, S.V. - Preliminary testing in the study of the effect of ionizing radiation on the keeping time of fresh tomatoes. p.26
Dalgil, N.P., Ovsiannikov, N.A., Mitskevich, L.I. - Pay attention to the movement of efficiency promoters. p.31
Barmash, A.L. - Specialization and improvement of the technology of the production of canned meat and meat-and-vegetables is an important factor for smoothing the conditions of seasonal work. p.33
Bibenko, A.E. - Experiment in the planning of the volume of production on the basis of the standard costs of processing. p.35
Khokhlina, L.P., Uskova, L.S., Kagan, L.M. - Objective method for evaluating the coloring of potato chips. p.37
Moyshovich, G.M. - Structure of the canning industry in the U.S.A. p.39
Konorov, Iu.V. - Storage of fruit juices in the nitrogen atmosphere. p.41
Samsonova, A.N. - What should be the norms of the expenditure of sulfonated pears and quince in production. p.42
Baranov, I.A. - Conference for the examination of the standard norms of production. p.13
Lapovkin, V.D. - Seminar on the seed proving of vegetable cultures for canning. p.15
Front pages of newspapers. p.46

LAKOKRASOCHNYI MATERIALY I IKH PRIMENENIE. [LACQUER AND PAINT MATERIALS AND THEIR USE]. Organ of Gosudarstvennyi komitet po khimii pri Gosplane SSSR [State Committee for Chemistry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, no.3, 1963.

Table of contents translated:
Rules of the contest for the development of new efficient age resistors for polymeric materials. p.1.
Iakovlev, A.D., Kosheleva, N.V., Okhlimenko, L.S. - Obtaining organic dispersions and coatings on the base of acrylonitrile-butylacrylate copolymers. p.3.
Serokin, M.F., Mikhailova, L.S. - Obtaining polymers of glycidol esters in the presence of acid type catalysts. p.6.
Kholodovskaia, R.S., Zabyrina, K.I., Spivak, N.M. - Synthesis of terephthalic polyesters and their use as a base for the production of impregnation lacquers for electric insulation materials. p.12.
Kobetskaia, V.M. - Styrene-butadiene prints for outdoor painting. p.16.
Gol'dshtein, L.M. - High-quality colored pigments obtained from titanium dioxide and other metals. p.19.
Kirzner, N.A., Ostroumova, T.S. - Using the decrepitation method for the bleaching of barite. p.23.
Chernin, I.Z., Losev, I.P., Fedotova, O.IA. - Effect of some plasticizers on the adhesion, aging, and chemical stability of films from epoxide compounds. p.26.
Gobzhila, A.G., Voiculescu, K.I., Popescu, M.V. - Use of epoxide coatings for the protection of main underground pipe systems. p.28.
Gol'dberg, M.M., Makarova, I.V. - Moistureproof compounds and their application. p.34.
Padeiskii, V.N. - Chemically stable paint coatings for the protection of aluminum alloys in the process of contour dimensional pickling. p.37.
Livshits, M.L., Liubalina, D.I. - Investigating the properties of the PKhV-715 made perchlorovinyl enamel prints. p.42.
Mundel', R.B., Lerman, M.D., Semashin, V.V. - Technology of the finishing of radio cabinets with alkyd-urea acid hardened lacquers. p.45.
Klinov, I.IA., Imazov, V.K., Alel'akhin, N.P. - Research work on the chemically stable paint materials for use in the atomic power industry, literary review. p.16.
Krechkov, A.P., Bylova, L.N., Smolova, N.T. - Potentiometric method for determining dicarboxylic acids, used for the manufacture of synthetic resins. p.50.
Dolmatov, Iu.D., Bobyrenko, Iu.IA. - Methods of dispersion analysis of inorganic pigments. p.54.
Didch, A.R. - Determining the cover power of white pigments. p.58.
Denev, L., Ilkolov, N. - Determining pentachlorophenol in paint materials containing fungicides. p.60
Stul', IA.I. - Basic trends in the design and planning of new and reorganization of existing condensation resin shops. p.62.
Mamsov, E.B., Pupmyrova, L.V. - Dynamic characteristics of a reactor with organosilicon heat exchanger for the synthesis of alkyd resins. p.65.
Subbotina, M.P. - Experimental plant for degreasing and painting of products. p.67.
Kikuadze, D.A., and others. - Automatic line for the painting of children's carriages with the jet spraying method, experience in the introduction and use. p.69.
Livshits, I.A., Poliotskii, Iu.S. - Regulation of the concentration of the vapor of solvents by means of the SSG-2 signaling indicator of combustible gases. p.75.
Chupaev, M.A., and others. - Use of surface-active agents in the grinding of carbon black in alkyd binding substances. p.77.
Gorelik, D.S., Maslova, L.N. - Investigating some factors affecting the properties of milori blue. p.78.
Lebit, I.P. - Answering queries on the application of paint materials. p.79
Golovatenko, V.S. - Painting of tractor parts with pickeated enamel paint, from practices of the Altai Tractor Plant. p.80.
Raskazov, V.A. - Synthetic paint materials used in the U.S.A. for the protection of petroleum industry equipment. p.81.
Bellavskii, V.L., Frankova, G.A. - Equipment for fine purification of paint materials and semiprocessed products, brief review of foreign literature. p.82.
International atomic weights (relative atomic masses) for 1963. p.90.

LENINGRAD, TEKHNOLOGICHESKII INSTITUT TSELLULOZNO-BUMAZHNOI PROMYSHLENNOSTI. Trudy [TECHNOLOGICAL INSTITUTE FOR THE WOOD-PULP AND PAPER INDUSTRY, Transactions]. Moscow, no.8, 1961.

Table of contents translated:
Introduction p.3
Perekal'skii, N.P., Filatenkov, V.I. - Modern concepts of mechanical phenomena during beating; theory of the work of rolls. p.5.
Perekal'skii, N.P., Filatenkov, V.F. - Specific surface of cellulose fibers and its change during the process of beating. p.19.
Alikin, V.P. - Effect of some factors on changes in the mechanical properties of cellulose and change of the beating process. p.32.
Perekal'skii, N.P., Filatenkov, V.F. - Effect of lignin on the process of beating and the strength of paper. p.39.
Perekal'skii, N.P., Filatenkov, V.
electrolytes on the process o
Alikin, V.P. - Effect of temper
the elastoplastic properties
nature of beating. p.53.
Butko, Iu.G. - Effect of the typ
amount of sugars in sulfite l
Akim, L.E., Kil'kki, V.E. - Inv
ular heterogeneity of wood a
intended for the production o
high-strength cord fibers. p.
Akim, L.E., Zbrozhek, L.IA. -
industrial celluloses for high
strength cord with optical anc
scopes. p.74.
Mishchenko, K.P., and others.
production of chlorine dioxid
Bloshtein, I.I., and others. - T
resistant materials during th
chlorine dioxide. p.89.
Maksimov, V.F., Bushmelev,
scrubber and its use in the
pulp. p.96.
Grabovskii, V.A., Nametkinov
pressure differences in the
ing of sulfate pulp. p.105.
Mishchenko, K.P., Dymarchuk,
V.V. - Thermodynamics of t
cellulose with water and wat
trolytes. Part 2: Comparin
relationships of the heat of
with standard and viscose c
Mishchenko, K.P., Dymarchuk,
V.V. - Thermodynamics of t
cellulose with water and wat
trolytes. Part 1: Effect of predissolved ni
trates on the integral heat of interaction of cellu
lose with water. p.114
Shumilov, P.V., Kil'ter, A.IA. - Method for quantitative determination of manganese content in viscose cellulose. p.120.
Karpinskii, M.N., Khomiakova, G.I. - Oxidation of mixtures of aromatic amines to methyl violet. p.123.
Ponomarev, F.V., Shikolova, V.N., Revotin, V.P. - Trilonometric determination of simultaneously present trivalent iron and sulfate ion. p.127.
Lidin, I.IA. - Bending and camber of rolls with hinge type fastening in two cross sections. p.129.
Novikov, N.L. - Table rolls of the papermaking machine. p.135.
Chernyshevskii, I.K. - Some possibilities of using a heat pump in pulp and paper production. p.140.
Belousov, V.N. - The energy factor in increasing the vapor pressure for the intensification of paper drying. p.146.
Zhuchkov, P.A. - Calculation of radiation and convection dryers for waterproof cardboard. p.153.
Zhuchkov, P.A. - Development of the ignition process of moist fuel. p.156.
Filimenko, M.G. - Using semiconductors for measuring the temperature of the surface of cylinder dryers. p.162
Vilkov, I.E. - Investigating the system of automatic control of the rotation speed of engines by the frequency method. p.169.
Kuchel, A.M., Bychkov, P.P. - Machining refined cast iron with instruments made of new materials. p.182.
Shavalov, S.E. - Displacement of the cross sections of a rectilinear rod consisting of elements with continuously changing cross sections. p.186.
Aleksandrov, V.F. - Engineering method for calculating the unsteady motion of the high pressure hydraulic mechanism of a piston. p.193.
Mel'tser, E.M., Flashberg, A.IA., Andronnikova, L.M. - Analyzing the terminology of the pulp and paper industry, from English and German sources. p.200

MASLOBOINO-ZHIROVAIA PROMYSHLENNOST' [OILS AND FATS INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol.29, no.7, July 1963.

Table of contents translated.
Development and speeding-up of the technological progress in the food industry. p.1.
Belobordov, V.V. - Final distillation of the micelle in the running out film. p.4.
Bocharnikov, V.M. - Dielectric properties of the oil cake. p.12
Matygina, L.M. - Utilization of fuller's earth from the Far East deposits for the clarification of soybean oil. p.14.
Nagirov, N.K., Babin, P.A., Ivakhnenko, P.S. - Spectrophotometric analysis of soybean oil clarified with Far East clays of the Pioneersk deposit. p.16.
Anisimova, E.G., Shur, S.I., Shmidt, A.A. - Studying the conditions causing phase transition in some emulsions. p.18.
Kozh
si
Neve
p

B 16c-16d Usov, IU N., Skvortsova, E.V., Klushnikova, G.G. - Dehydrogenation of methylcyclohexane on alumina-chromia and alumina-molybdenum oxide catalysts. p.320

Freidlin, L.Kh., Litvin, E.F - Hydrogenation of stereoisomers of piperylene on metallic catalysts. p.326.

Topchiev, A.V., Fantalova, E.L., Osipova, L.V. - Polymerization of some allyl cyclanes and allyl cyclenes in the presence of $TiCl_4$ + Al(iso-C_4H_9)$_3$. p.330.

Litmanovich, A.D., Topchiev, A.V. - Certain regularities in the fractionation of copolymers p.336.

Kudriavtseva, L.G., and others. - Fractionation of a copolymer of methyl methacrylate with styrene p.343

Polianskii, N.G., Markevich, V.S, Kozlova, T.I. - Method of purification of α-methylstyrene by removing phenol with the aid of anion exchangers. p 348.

Ivanov, K.I., Savinova, V.K., Zhakhovskaia, V.P. - Thermal stability of alkyl hydroperoxides. p.352.

Denisov, E.T., Solianikov, V.M - Kinetics of oxidation of isopropyl alcohol. p.360.

Obukhova, L.K., Emanuel', N.M. - Role of ketones as intermediate products in the formation of acids in liquid oxidation of hydrocarbons. p.367

Kaz'min, S.D., Kucher, R.V. - Role of emulsifying agents in the oxidation of isopropylbenzene and 1,1-diphenylmethane p.371.

Bykovchenko, V.G., Berezin, I.V. - Kinetics and mechanism of liquid phase oxidation of cyclododecane by molecular oxygen. Part 3: Kinetics of decomposition of cyclododecyl hydroperoxide. p.376.

Zaikov, G.E. - Effect of solvent on the liquid phase oxidation of ethyl alcohol and methyl ethyl ketone p.381.

Muzychenko, L.A, Zhemzhur, A.I., Kamneva, A.I. - Electrochemical regeneration of catalysts as a method for accelerating the liquid phase oxidation of hydrocarbons. p.390.

Zhorov, IU.M., Mirgaleev, I.G., Paushkin, IA.M. - Kinetics of catalytic hydrochlorination of styrene. p.399.

Rozhnov, A.M., Andreevskii, D.N. - Dehydrobromination of isopropyl bromide. p.405.

Aronovich, Kh.A., Frolov, A.F., Kondakova, A.B. - Equilibrium of liquid phases in the system 2-N-methylpyrrolidone (aqueous solution) - isopentane - vinylnaphthalene - ethylnaphthalene (separation of vinylnaphthalene and ethylnaphthalene by fractional extraction). p.413.

Zhdanov, S.P., Kiselev, A.V., IAshin, IA.I. - Use of macroporous glasses in gas adsorption chromatography for separating liquid hydrocarbons. p.417.

Vigdergauz, M.S., Afanas'ev, M.I. - Analysis of isomeric octenes by gas chromatography. p.425.

Petrov, Al.A. - Ways of synthesizing some higher olefins (discussion). p 430.

Korotkov, V.P. - On the introduction of the International System of Units in the U.S.S.R. p.436.

Chmutov, K.V. - "Gas chromatography" by A.A. Zhukhovitskii and N.M. Turkel'taub. p.442.

REFERATIVNYI ZHURNAL: KHIMICHESKOE I KHOLODIL'NOE MASHINOSTROENIE (Otdel'nyi vypusk 47) [JOURNAL OF ABSTRACTS: CHEMICAL AND REFRIGERATION MACHINERY MANUFACTURE (Separate Issue 47)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 9-10, Sep.-Oct. 1963.

SAKHARNAIA PROMYSHLENNOST' [SUGAR INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 37, no. 9, Sep. 1963.

Table of contents translated:

For successful work in the new production season. p.1.

Address of the participants of the conference of the representatives of the sugar industry of the Russian Federation to all workers, engineers, technicians, and employees of sugar factories, sugar-beet supply bases, and sugar-beet receiving stations. p.5.

Gal'perin, A.S. - Increase of labor productivity and reduction of labor expenditure is a most important task. p.7.

Prilmak, M.P. - Organization of the current maintenance and overhauling operations in sugar factories. p.10.

Serebrinskii, V.A. - Methods for reorganizing the maintenance and repair work in sugar factories. p.12.

Epishin, A.S. - Scientific and economic conference on the improvement of production flow sheets and equipment types in sugar factories. p.15.

Maksimuk, P.S. - Foam formation and some other processes taking place in the thickeners of saturation juices. p.22.

Bulka, Z.F. - Cooking of the product of the second boiling of massecuite having a reduced content of dry substances. p.25.

Zhadan, V.Z., Kholemskii, M.Z. - Experimental determining of the quantity of the water freezing out from sugar beets and sugar beet juices p 26.

Leibovich, D.M., Zelikman, I.F. - Transfer of saccharose through the ion exchange membranes during the electrodialysis purification of its solutions. p.30.

Maksimuk, P.S. - Improved shaker screen. p.36.

Novikov, V.A., Kichigin, N.M. - Number of sugar beet piles indispensable in the sugar industry. p.37.

Specification of production control:
Arkhipovich, N.A., Zelenina, L.M., Kvita, S.N. - Determining the natural alkalinity of the first carbonation juice. p.42.
Arkhipovich, N.A., Zelenina, L.M., Kvita, S.N. - Titration method for the control of the work of settlers and mud thickeners. p.44.

Dobronravov, F.N., Bespalova, V.S. - Experience in the receiving, storage, and processing of sugar beets harvested with the continuous method in Kirghizistan. p.46

Baev, A.B. - Verkhne-Dneprovsk Starch and Molasses Combine is the largest corn processing enterprise of the Ukraine. p.49.

Rikhter, V.A. - Testing of the hydrocyclone for sand separation in the Yaroslavl Starch and Molasses Combine. p.54.

Vostorgova, E.N. - Separation of stones from corn grains. p.58.

Bushueva, T.A. - Analysis of the present norms for raw material expenditure and production output in the Klimovsk Starch Plant. p.64.

M.B. - Conference and seminar of the workers of the potato processing enterprises of the economic councils of the R.S.F.S.R. p.69.

Blankman, A.D. - Sugar and feeds. p.74.

Slin, P.I. - Purification of the waste waters from sugar factories p.74.

Amendment of the regulations on water supply systems for fire extinction p.77.

Improve the work of the sugar combines. p.77.

ZHURNAL NAUCHNOI I PRIKLADNOI FOTOGRAFII I KINEMATOGRAFII [JOURNAL OF SCIENTIFIC AND APPLIED PHOTOGRAPHY AND CINEMATOGRAPHY] Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, no. 5, Sep.-Oct 1963.

Table of contents translated:

Smirnov, O.K., and others. - Anticomet effect of the wetting agents produced during the coating of photographic emulsions. Report No. 4- Anticomet effect of the esters of β-sulfopropionic acid and their effect on the kinetic wetting. p.321.

Khotianovich, S.I. - Accuracy of tone reproduction in electrophotography. p.327.

Belous, V.M., Chibisov, K.V. - Relationship between the luminescent and photographic properties of emulsion layers. p.334.

Vasil'ev, L.A., Minina, V.P. - Using the shlieren system of photographic measurements for the quantitative investigation of the supersonic flow around the aerofoil. p.337.

Kramaiel, E.P. - Light absorption by silver and gold solutions. p.342.

Zluskin, N.M. - Photographic reproduction of the surface relief. p.348.

Zatsepin, IU.A. - Nomogram for exposure calculations in the photography of self-luminous objects. p.353.

Samoilovich, D.M., and others. - Investigating the chemical ripening of type R emulsions. p.359.

Natanson, S.V. - Possibility for increasing the effect of optical sensitization. p.363.

Belinskaia, G.I. - Efficient exposure time for high-speed motion-picture cameras. p.370

Khaikin, M.S., Shamil'skaia, D.B., Fedorina, L.G. - Developing properties of hydroxybenzoylpyrogallol. p.375.

Kheinman, A.S., Donatova, V.P. - Mechanism of the aging of infrachromatic emulsions. p.376.

Kilinskii, I.M., Andreianov, V.V. - Effect of the size of silver halide microcrystals on the resolving power of the emulsion as dependent on the nature of the developing agent. p.379.

Lifshits, E.B., Rybnikova, T.D., Lazareva, T.M. - Component stability of merocyanines and their adsorption on silver halides. p.381.

Semenov, E.P. - Electron-optical intensifiers of the brightness of the image. p.385.

d CIVIL & CONSTRUCTION ENGINEERING

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR, Institut osnovanii i podzemnykh sooruzhenii. (Trudy) [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U.S.S.R. Institute of Foundations and Underground Construction. (Transactions)] Moscow, no. 50, 1962.

Table of contents translated:

Preface. p.3.

Rzhanitsyn, B.A. - Strengthening and compaction of settling loess soil. p.4.

Kuleev, M.T. - Strengthening loess soil with water solutions of carbamide resin in the field. p.10.

Ibragimov, M.N. - Installation of a seepage control curtain in sand using carbamide resin. p.15.

Gorbunov, B.P., Kurdenkov, L.I. - Electroosmosis in sand. p.20.

Zhinkin, G.N - Study of the physicochemical processes arising in connection with electroosmotic drainage of clayey soil p 28.

Zhinkin, G.N, Sergeenkova, K.K - Study of methods of electric and chemical solidification of soils. p.38.

Stepanova, E.V - Electric drainage in cutting a deep pit. p 45

Gorbunov, B.P, Kurdenkov, L.I - Electric method of thawing and compacting permafrost foundations of soil before building p.53.

Zhukov, V.F, Frolov, N.I - Development of the process of thawing and compacting permafrost before building p.72

Sokolovich, V.E. - Improving the physical and mechanical properties of "soil concrete" with fibrous aggregates p 80.

Chalikova, E.S. - Strengthening non-carbonate soils with types of cement p 85.

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR, Tsentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture. Opyt zarubezhnogo stroitel'stva [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U.S.S.R. Central Institute of Scientific Information on Construction and Architecture. Construction Practice Abroad]. Moscow, no. 8, 1963. Krovli, pokrytiia, steny i poly promyshlennykh zdanii [Roofing, roofs, walls and floors of industrial buildings].

Table of contents translated:

Egorov, M.D. - Roofing p.3

Vinogradova, A.IU. - Roofs p 31.

Aniutin, A.N. - Walls. p 61.

Kupochkin, M.N. - Floors of industrial buildings. p 99

BABUSHKIN VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT TRANSPORTNOGO STROITEL'STVA Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF TRANSPORTATION CONSTRUCTION Transactions]. No. 49, 1963. Primenenie aerometodov na izyskaniiakh zheleznykh dorog [Use of airborne methods in railroad surveying]

Table of contents translated.

Foreword p 3.

Butler, S.A - Surveying of linear construction objects p. 5.

Baranov, M.A. - Use of aerial photograph mosaics in location surveying. p. 65.

Tavlinov, V.K - Location survey on the stereo model of a broken terrain with the use of differential type instruments. p 70.

Pankrat'ev, IU N., Serdiukov, V.M. - Using a stereo model for location surveying on the SPD-2 stereometer by means of a stereo plotter. p. 104

Khrapkov, V.A. - Location survey on a stereo model made with the multiplex plotter p. 136.

Mallavskii, B.K. - Airborne methods in the surveying of river bridge crossings. p. 147

Khoroshavin, S.S, IAroslavtsev, V.P. - Topographic radio X-band altimeter. p. 180.

Baranov, M.A - Using aerial surveying data for determining the volume of earth work and costs of operation. p. 193.

GOMEL'. BELORUSSKII INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [WHITE RUSSIAN INSTITUTE OF RAILROAD TRANSPORTATION ENGINEERS. Transactions]. Moscow, no. 9, 1961. Voprosy ekspluatatsii zheleznykh dorog [Operation of railroads]

Table of contents translated:

Foreword. p.3.

Tikhomirov, I.G., Korneev, P.IA., Bulanov, V.A. - Discussing the use of centralized traffic control on double-track lines. p.5.

IUshkevich, E.P. - Selecting the most advantageous train weight for lines converted to diesel traction. p.29.

IUshkevich, E.P. - Investigating the problem of the lengthening of station tracks on railroad lines converted to diesel traction. p.45.

Shul'zhenko, P.A. - Combined use of electric and diesel locomotives. p.57.

IArmolenko, V.E. - Discussing the new standard norms for the duration of the basic operations in classification yards. p. 70.

Shul'zhenko, P.A. - Coefficient of speed within sections and the specific train stop-overs. p. 77.

Nevzorov, A.V. - Investigating train bunching sheets for single-track lines. p. 88.

Tikhomirov, I.G., Shul'zhenko, P.A. - Studying the efficiency of the construction of a second main track on the end runs of single-track lines. p. 98.

Potapenko, Z.I. - Economic effect of the standardization of train weight norms in connection with the introduction of the new types of traction. p. 105.

Vinnichenko, A.V. - Extend the application of the new type of equipment in hump yards. p. 121.

Mukho, P.B. - Methodology for selecting the methods of breaking up and making up trains in hump yards. p. 130.

No. 10, 1961. Issledovanie svoistv stroitel'nykh materialov [Examination of the properties of building materials].

Table of contents translated:

Tushkinov, G.A. - Heat conductivity and thermal diffusivity in heavy cementless materials. p. 3.

Bui, V. I. - The effect of the quality of crushed limestone upon the strength of concrete. p.25.
Bui, V.I. - Washing and hydraulic sorting of sand under laboratory conditions. p.37.

GORKIY. INZHENERNO-STROITEL'NYI INSTITUT. Trudy [CIVIL ENGINEERING INSTITUTE. Transactions] No.30, 1961

Table of contents translated:
Ugodnikov, A.G. - Solution of the plane problem of the theory of elasticity with the aid of electric modeling of conformal mapping. p.3.
Lumpel, B.B. - Stability of a bending elastically pliable band. p.43.
Perekhvatov, V.K. - Position of the plane of conjugation in combination prestressed elements p.69
Lishov, N.F. - Strength of bottom plates p.77
Bazhenov, G.L., Kudrin, B.A. - Study on short reinforced concrete brackets. p.99
Shchurov, A.F. - Investigation of the structural properties of high-strength silicate concrete and the possibility of prestressing it p.113
Vetrov, A.V. - Calculations according to the limiting state of flexible wooden rods. p.157
Vakhmanov, V.A. - Capacity rating of electric motors of hoisting machinery. p.173.

LENINGRAD. INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Sbornik trudov [INSTITUTE OF RAILROAD TRANSPORTATION ENGINEERS. Papers]. Moscow, no.181, 1962. Stroitel'nye materialy i izdeliia [Buildings and building materials].

Table of contents translated:
Salatkin, A.V., Solntseva, V.A. - Waterproofness of harsh concrete. p.3.
Salatkin, A.V. - Increasing the resistance of concrete to cracking. p.16.
Bui, V.I. - Influence of a limestone aggregate upon the strength and deformability of concrete. p.24.
Salatkin, A.V., Komokhov, P.G. - Deformability of a lime-silica mortar and autoclaved concrete under momentary impact. p.34.
Repnikov, A.N. - Architecture of concrete shells. p.45.
Podakov, V.F. - Experiment in increasing the rigidity of an existing building situated in a zone influenced by settling during the construction of subway stations. p.64.
Zotov, G.N. - Adoption of a system of preferable figures for the unification of industrially produced buildings in lumbering industry enterprises. p.76.
IAvein, I.G. - Railroad passenger stations built in various combinations from a limited number of structural elements. p.107.
Voronin, M.I. - Centennial of the erection of the steel cathedral spire on the Peter and Paul Fortress in Leningrad. p.130.

No.192, 1962. Eksperimental'noe issledovanie materialov i modelei konstruktsii [Experimental studies of materials and models of structures].

Table of contents translated:
Kaptelin, IU.P. - Equation of state for the creep of cold-worked copper. p.5.
Kaptelin, IU.P. - IP-2 machine intended for creep tests used in relaxation tests. p.49.
Iokhel'son, IA.E. - N.M. Beliaev's works in the field of concrete. p.63.
Sudakov, V.V. - Using radioactive radiation to determine the moisture of materials during the automation of technological processes in the construction industry. p.77.
Kuntsevich, O.V., Aleksandrov, P.T. - Effect of the composition of concrete on its resistance to frost. p.91.
Kots, L.I. - Ring casing devised by the Leningrad Railroad Engineers Institute for testing concrete for permeability. p.111.
Ginzburg, TS.G., Kots, L.I. - Heat release during hardening of cement mortars and concretes. p.117.
Denskata, Z.I., Iokhel'son, IA.E. - Bond of steel reinforcement with concrete made of stiff concrete mixtures. p.137.
Makhnovskii, N.F. - Investigation of the supporting power of compressed bendable shafts made of ordinary and prestressed concrete and of reinforced concrete. p.147.
Makhnovskii, N.F. - Durability and deformation characteristics of heavy concrete. p.221.
Kipins, IA.I. - Principles for the selection of a design of a testing unit for mechanical testing of reinforced concrete pipes. p.241.
Nikolaev, K.I. - Experimental investigations of the effect of short cylindrical reinforced-concrete shells on an evenly distributed load. p.253.
Ponomarev, B.A. - Experimental investigation of pressure in an autoclave used in the construction industry. p.267.
Kaplan, V.S., Samoilov, A.A., TSibarov, IU.A. - Testing models of supports for temporary arches in assembly chambers of subway stations without side platforms. p.279.

No.196, 1962.

Table of contents translated:
Gumenskii, B.M. - History of the geological education of railway engineers. p.3.
Zhinkin, G.N. - Studies of the thixotropy of clayey soils. p.21.
Komarov, N.S. - Compaction of waterlogged clayey soil by loading combined with the brief effect of an electric current. p.35.
Nikolaev, B.A. - Electroosmotic method of accelerating the sinking of piles and restoring their bearing capacity. p.40
Novozhilov, G.F. - Duration of the process of increasing the bearing capacity of friction piles driven into clayey soils of varying composition. p.55.
Sidorov, N.N. - Study of the deformation properties of sand in the phase of displacements. p.64.
Lagoiskii, A.I. - Changes in the strength of clayey soils in structures subject of dynamic influences. p.76.
Chiglintsev, N.A. - Gravity well screens p.85.
Litov, IU.N., Kaliuzhniuk, M.M. - Electroosmosis in soil mixtures with varying content of clay particles. p.95.

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ASBESTA, SLIUDY, ASBESTOTSEMENTNYKH IZDELII I PROEKTIROVANIIA STROITEL'STVA PREDPRIIATII SLIUDIANOI PROMYSHLENNOSTI Trudy [SCIENTIFIC RESEARCH INSTITUTE OF ASBESTOS, MICA, ASBESTOS-CEMENT PRODUCTS, AND FOR THE DESIGN OF PLANTS FOR THE MICA INDUSTRY. Transactions], No.11, 1961.

Table of contents translated:
Kheiker, D.M., Zalkind, A.I. - Study of the dehydration of synthetic hydrosilicates, hydroaluminates, and sulfohydroaluminates of calcium. p.3.
Berkovich, T.M. - Efficient use of cement in manufacturing asbestos cement elements. p.42.
Gracheva, O.I. - Interaction of C_3A and C_4AF with gypsum under conditions of hydrothermal processing p.61
Volkov, O.S., Gracheva, O.I., Kheiker, D.M. - Studying the interaction of clinker minerals with silica by a method of X-ray quantitative phase analysis p.68.
Volkov, O.S., Zevin, L.S., Kheiker, D.M. - High-temperature attachment to the URS-50I diffractometer for the study of the dehydration of asbestos cement and its component minerals. p.81
Gracheva, O.I., Vikulin, A.IA. - Synthesis and study of the properties of hydroaluminates and hydrosulfoaluminates of calcium. p.91.
Egorov, N.G., Sukhova, L.A. - Determining B_2O_3 in synthetic boric mica by the neutron absorption method. p.114.

No.14, 1962.

Table of contents translated:
Volkov, O.S., Sokolov, P.N. - Hydration and solidification of individual clinker minerals and the effect of an addition of asbestos on these processes. p.3.
Gracheva, O.I., Vikulin, A.IA. - Study of the chemistry of the interaction of gypsum with portland cement undergoing hardening under various conditions. p.24
Gracheva, O.I. - Some physicochemical and engineering properties of synthetic hydroferrites and sulfoaluminoferrites of calcium. p.50.
Kal'nitskii, A.A., Krol', I.S. - Coefficients of homogeneity of asbestos cement. p.63.
Argo, IU.A. - Deformation and stability properties of asbestos cement subject to axial tension and lateral bending. p.71.
Roznik, A.IA. - Use of asbestos cement in the building of cooling towers for thermal electric power plants. p.80.
Kitaev, E.N. - Selection of cements for manufacturing high-quality asbestos-cement products. p.89.
Fel'zenbaum, V.G. - Characteristics of long-term planning for the manufacture of interchangeable kinds of products (after the example of building materials). p.103.

NOVOSIBIRSK. INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [INSTITUTE OF RAILROAD TRANSPORTATION ENGINEERS. Transactions]. Moscow, no.30, 1962. Inzhenerno-geodezicheskii sbornik [Surveying for engineering purposes, collection], no.2. Voprosy tekhniki i tekhnologii zheleznodorozhnykh izyskanii [Problems in the techniques and technology of railroad surveying].

Table of contents translated:
Sorokin, V.P. - Development of standards of accuracy in railroad surveying work in our country. p.3.
Liutts, A.F., Pazenkov, IA.I. - Vertical rod with a transversal mark for a range finder with wires. p.17.
Parshkov, A.A. - Surveying instruments for railroad surveying. p.23.
Vedernikov, A.I. - Using a DD-3 differential range finder with a vertical rod in laying out theodolite traverses. p.29.
Vakhidov, A.V. - Effect of the earth's surface cover on the coefficient of the DD-2 differential range finder. p.35.
Liutts, A.F. - Secant of equivalent length and its use in laying out railroad and highway routes. p.45.
Finkovskaia, T.S. - Simplified method of determining ground distances from aerial photographs. p.55.
Kirilenko, V.S. - Vertical projections of some mountain relief types. p.63.
Kirilenko, V.S. - Sphere of use and future development of land stereophotogrammetric surveying in railroad surveys. p.73.
Liutts, A.F. - Methodology of studying ways of surveying relief, representing and interpreting it on maps. p.85.
Kirilenko, V.S. - Use of land stereophotogrammetry to determine analitically the volumes in railroad engineering p.97.
Brief news p.101.

No.31, 1962 Voprosy ustroistva i raboty zheleznodorozhnogo puti [Construction and operation of railroad tracks].

Table of contents translated:
Foreword. p.3.
Kondakov, M.P. - Field performance of the R-50 and R-65 rails in heavy traffic sections. p.9
Karpova, M.P., Idova, M.B. - Corrugated rail wear p.21.
Kotikov, I.A. - Differentiated norms of labor expenditure for the current maintenance of switches. p.32.
Al'brekht, V.G., Riazanov, A.N., Monakhov, B.F. - Permissible train speeds in areas of track overhauling p.44.
Pozdeev, V.N., Podoplelov, V.A. - Efficient length of the tracks in track skeleton assembly points. p.65.
Gromov, L.K., Kondakov, N.P. - Efficiency of a crushed stone ballast section in heavy traffic sections. p.87.
Gromov, L.K. - Role of the ballast bed and required characteristics of ballast materials. p.110.
Brednik, G.P., Afanas'eva, N.N., Shaulovskaia, M.S. - Thermophysical properties of asbestos ballast. p.125.
Shchepotin, K.I. - Resistance to transverse displacement of ties laid on asbestos ballast. p.140.
Monakhov, B.F. - Creep forces developing during the passage of six- and eight-axle cars. p.173.
Bochenkov, M.S. - Effect of rail deflection on the track creep. p.184.
Bochenkov, M.S. - Resistance of bolt joints to the longitudinal rail deformations. p.194.
Kogan, A.IA. - Nature of the release of longitudinal forces in a continuous track in case of its curving in the horizontal plane. p.205.
Monakhov, B.F. - Methodology for determining the magnitude of the linear resistance of rails to displacement on the ties during train passage. p.222.
Monakhov, B.F. - Static design of rails for vertical load taking the horizontal forces of friction into account p.223.
Boldyrev, M.V. - Application of geophysical methods for studying the condition of the roadbed. p.245.
Subbotin, B.K. - Investigating the technical and economic efficiency of the main processes in railroad construction. p.254
Faintskii, L.A. - Calculations in the rearrangement of switches. p.272.
Supplement No.1. Differentiated norms for labor expenditure in the current maintenance of switches. p.279.
Supplement No.2. Thermophysical characteristics of asbestos wastes in a thawed state. p.280
Supplement No.3: Thermophysical characteristics of asbestos wastes in a frozen state. p.282

POZHARNOE DELO [FIRE FIGHTING]. Issued by Ministerstvo vnutrennikh del RSFSR [Ministry of the Interior of the R.S.F.S.R.]. Moscow, vol.9(53), no.8, Aug. 1963.

Table of contents translated
Toward the victory of communist labor. p.1.
What has been decided must be accomplished. p.3
Drozdov, N. - Fire prevention and technical commissions at work. p.5.
Nikolaev, I. - Embezzlers from the Krasnodarsk Volunteer Firemen Society. p.6.
Prepare in due time for winter. p.8.
Farbirovich, S. - After the encounter with journalists. p.10.
Gavrilenko, V. - Testing the new harvesting machines. p.11.
Volkov, O. - Fire hazards of the electronic calculating machines. p.12.
Bekshibaev, K. - Arch and frame cattle barns. p.14.
Lukin, I. - No fires caused by welding. p.14.
Bogachev, G. - Hundred-day watch. p.18.
Chukreev, A. - He is from Kamchatka. p.19.
Dumaev, B. - The director is responsible. p.20.
Markov, G. - For the first time. p.21.
Kosykh, I. - Beacon. p.22.
Voinov, B. - With a directive from the Communist Youth League. p.22.
Lukashevich, N. - Exhaust fans. p.23.
Burdman, G. - New communication and lighting motor-truck. p.24.
Kostenko, A., Timinov, V. - Reservoir with a pumping pipe. p.25.
Madzigon, P. - Stand for pump repair. p.26.
Shvets, D. - Use speed and skill in fire extinction. p.27.
Rozhok, F. - Our helpers. p.28.
Tret'iak, D. - Encounter. p.29.
Baramidze, V. - With the help of volunteer workers. p.30.
Readers' letters. p.31.

718-153 O - 64 - 7

B 16d-16e

PUT' I PUTEVOE KHOZIAISTVO [RAILROAD TRACKS AND ROADWAY MAINTENANCE]. Organ of Ministerstvo putei soobshchenila SSSR [Ministry of Railroad Transportation of the U.S.S.R.] Moscow, vol.7, no.8, 1963.

Table of contents translated:

Semeshko, P.T. - Railroaders achieve successfully the goals of the seven-year plan. p.1.
Inozemtsev, A.A., Al'brekht, V.G. - The Western Siberia Railroad is an immense creative laboratory. p.3.
Kombarov, V.M. - Striving to achieve excellent track maintenance on every kilometer. p.5.
Chagin, N.P. - Our methods of track maintenance in a coal handling heavy traffic section. p.8.
Sadof'ev, V.M. - Provide for a safe track for heavy trains. p.12.
IAkobson, K.K., Paikin, F.P. - Use reinforced concrete superstructure foundations on bridges. p.14.
Boldyrev, M.V. - Electric prospecting in railroad engineering. p.15.
Konoplev, B.A. - Speeding up rail welding. p.17.
Kuz'min, I.S. - Producing daily 2,000 cubic meters of high-quality crushed stone. p.19.
Bredluk, B.P. - Evaluation of labor productivity in track maintenance and operation. p.20.
Pechugin, D.A., Pechugina, L.D. - Overhauling of tracks with an asbestos and crushed stone section. p.21.
Tomilov, A.G. - We have an efficient way to conduct track overhauling operations. p.25.
Romanko, M.E., Asipovich, A.N. - Use of track-laying cranes for current repair work. p.26.
Organization of the graphite lubrication of joints during traffic intervals. p.27.
Burtelov, M., Tulglovich, P.T. - Characteristics of the maintenance of tracks with asbestos ballast. p.29.
Davydov, V.G. - Improving the condition of switches. p.31.
Vaishvilov, N.S. - Use of specialized brigades by stations. p.33.
Section with an excellent track. p.35.
Fomin, V.V. - The aim of all innovations is to improve the production. p.36.
Linetskaia, A.L. - Rearrangement of insulating joints on the dispatching crossing tracks. p.40.
Zhukov, L.F. - Heroic routine activities of railroaders. p.41.
Fradkin, I.Z., Volopov, I.I. - Time has come to create new types of tree belts. p.43.
Baidala, V.IA., Vodop'ianov, K.S. - High-quality track repairing has to be at the base of track maintenance and operation work. p.45.
Rewards for welders. p.47.

REFERATIVNYI ZHURNAL: STROITEL'STVO I ARKHITEKTURA [JOURNAL OF ABSTRACTS CONSTRUCTION AND ARCHITECTURE]. Issued by Akademiia stroitel'stva i arkhitektury SSSR [Academy of Construction and Architecture of the U.S.S.R.]. Moscow, vol.5, no.5(29), 1963.

STROITEL' [THE BUILDER]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva and TSentral'nyi komitet Profsoiuza rabochikh stroitel'stva i promyshlennosti stroitel'nykh materialov [State Committee of the Council of Ministers of the U.S.S.R. for Construction and the Central Committee of the Trade Union of Construction and Building Materials Workers]. Moscow, vol.9, no.5, May 1963.

Table of contents translated:

Manufacture of large, cellular concrete elements. p.1.
They report to us. p.7.
Builders improve production. p.8.
Pesin, L. - Hand tool for roofing work. p.10.
A hero of labor heads the brigade. p.10.
Best in the trust. p.22.
Harmonious team. p.22.
We justify the confidence in us. p.23.
Structural-work brigade. p.23.
One way to raise labor productivity. p.23.
Every brigade should make use of advanced work methods. p.24.
Arben'ev, A. - Placing concrete in winter with brief electric heating of the mix. p.25.
Joints in carpentry. p.27.
Korotkov, V. - International system of units. p.29.
We answer readers' letters. p.31.
Brief news. p.32.

TRANSPORTNOE STROITEL'STVO [CONSTRUCTION FOR THE TRANSPORTATION INDUSTRY]. Organ of Ministerstvo transportnogo stroitel'stva SSSR [Ministry of Construction for the Transportation Industry of the U.S.S.R.]. Moscow, vol.13, no.6, June 1963.

Table of contents translated:

Draw up high-quality plans for 1964-1965 in time. p.1.
Ivanova, M.N., Gritsyk, V.I. - Plant grass to protect slopes on all roadbeds. p.4.
Korobanov, L.A., Kovalinskii, V.V., Shur, M.D. - Organizing the work of welding 12.5-m. rails in strings. p.6.
Gordichuk, B.V. - Transporting 25-m. track skeletons on coupled four-axis flatcars. p.8.
Kirzhakov, G.M., Orel, A.A. - Precast pile foundations for electrification installations. p.9.
Pashkovskii, V.G., Kachur, S.I. - Supports with untopped reinforcements. p.12.
Kutsenko, V.N. - Prefabricated elements for the supports of large- and medium-sized bridges. p.13.
Mitrofanov, I.A., Maiorov, M.A. - Flaws in designing caissons. p.18.
Litvinov, L.N. - Three-dimensional truss of precast concrete. p.19.
Kolokolov, N.M., and others. - Using high-strength rod reinforcements in prestressed bridge girders. p.22.
Bol'shakov, D.I. - Digging the tunnel for the Leningrad subway under the Neva River. p.25.
Shoikhet, E.S. - Experiments in strengthening a tunnel with a cement gun. p.29.
IUdovich, E.Z., Vlasov, S.N. - The plant method of waterproofing blocks for tunnel lining. p.31.
Marennyi, IA.I. - Lining the Mana and Kaspa tunnels on the Abakan-Tayshet railroad line. p.33.
New construction specifications and regulations for designing bridges and culverts. p.36.
Shenderei, G.I. - Prefabricated reinforced concrete piers at the Votkinsk Reservoir. p.38.
Tumarinson, N.S., Ekimchev, D.M. - Assembling prefabricated units for large-panel apartment houses. p.41.
Sviridenko, R.N., Lev, N.S. - I.I. Pudnik's brigade sets the example for work. p.44.
Pashkevich, A.A. - Leading excavator operator. p.45.
Mitroshin, N.S. - The repair of earthmoving machinery organized the new way. p.45.
Gusak, D.V. - Our work practice with the PVK-70 crane. p.46.
Spikin, IA.I. - We carry out the finishing of the slopes of automobile roads with excavators. p.47.
Gutman, A.A. - Machines are our reliable helpers. p.48.
Perekhukhin, N.A., Saatchian, G.G. - Calculating the depth for cutting soft ground in hollows and on the level. p.49.
Sobolev, P.V. - Designing vertical curves for the longitudinal profile of railroads. p.52.
Kozlovskii, V.G. - Selecting the efficient method of erecting supports for a contact system. p.53.
Tkalenev, E.A. - Supporting power of cylindrical footings. p.55.
Petrenko, G.M. - New method of determining the force of lateral attrition in soils. p.57.
Zavriev, K.S. - "Examples of the design of precast reinforced-concrete bridges" by V.A.Rossiiskii, B.P.Nazarenko, N.A. Slovinskii. p.74.
Rabinovich, A.IA. - Setting up the technological operations of a rail-welding train. p.76.
Questions and answers. p.77.
Murashkin, N.I. - Regulate estimates. p.78.
Khodov, G.D. - Economic conference at a construction project. p.79.
Brief news. p.79.
Kamentsev, V.P., Moizhes, L.B., Stepanov, B.V. - Effectiveness of using full-span and built-up beams in bridges. p.59.
Rudenko, V.I. - Calculating the terminal sections of slabs for the thoroughfare part of span structures of bridges without diaphragms. p.61.
Nikolai, K.V. - Circular culverts with walls of varying thicknesses. p.64.
Raer, G.M., IUzbashev, G.M. - "Arbolit," a new building material. p.65.
Kadil'nikov, M.F. - Concreting thin-walled structures. p.66.
Efficiency experts suggest. p.67.
Artamonov, E.A., Kamentsev, V.P. - Bridge building in Yugoslavia. p.69.
Gerasimov, IU.K. - Epoxy resins in construction. p.72.

Vol.13, no.7, July 1963.

Table of contents translated:

The overall mechanization of construction is one of the foundations of technological progress. p.1.
Gritsyk, V.I., Ishchenko, IA.P. - Terracing the banks of the roadbeds of railroads. p.4.
Veliselchik, I.V., Frenkel', M.E. - Treating rail joints with a graphite mixture. p.6.
Molostov, V.F. - Methods of using "windows" efficiently during the installation of a contact network. p.7.
Kurochka, N.V., Golovin, S.A. - Installing supports for an overhead contact network from the track. p.9.
Zimling, V.N., Kniazev, IU.A. - Attaching supports to cylinder-type foundations at the base. p.10.
Kurilov, A.P. - Assembling prefabricated reinforced concrete arches with stiffening beam. p.11.
Roshchin, V.S. - Using floating crane bridges for 45m. gantry cranes. p.14.
Karasev, N.F. - Building shallow underpass tunnels under railroad lines. p.16.
Vlasov, S.N., Lavreshin, IU.V. - Centralized procurement of dry mix for delivery by pumping. p.18.
Alperin, I.E., Kozlov, V.E. - Use of reinforced concrete T-sheet piling in cohesive ground. p.20.
Malovanchik, B.S. - Design of inclined boat lifters. p.22.
Golubeva, O.P. - Reconstruction of the railroad station in Gorkiy. p.26.
Butor, A.I. - Get rid of the causes of damage to structural elements. p.28.
Molkova, E.P., Zaitsev, A.S. - Prospecting for ground water. p.30.
Zharnitskii, E.P. - Automating the starting and stopping of suction dredges. p.32.
Troepol'skii, V.N., Diveev, P.A. - Welding and surfacing with powder wire. p.36.
Chirkov, S.V. - Achievement of the cable-laying unit. p.39.
Pal'mov, D.N. - Problem of paramount importance. p.40.
Baskakov, V.S. - We are laying a track with long-length rails. p.41.
Shilov, Nikolai. - When work goes well. p.43.
Al'shits, L.I. - Ways of further improving business accounting dealing with a single building project. p.44.
Shevandin, V.A. - Selection of an efficient multistage procedure in increasing the engineering equipment of roads. p.47.
Kalinskii, M.I. - Problems in improving the quality of engineering and geological investigations. p.50.
Kantor, I.I. - Effect of characteristics of locomotives and railroad cars on norms for designing the profile of railroads. p.52.
Terekhin, L.N. - Determining the hollowness of rubble ballast with a hydrodensimeter. p.56.
Vlasov, N.I., Kolesnikov, V.V. - Making cards for assembly work on electronic digital computers. p.58.
Bergen, R.I. - Gluing concrete and reinforced-concrete elements with epoxy resins. p.60.
Smirnov, V.A. - Design for a three-span beam of varying profile. p.62.
IAkovenko, V.G. - Machine for grinding bands of forms for manufacturing shells. p.64.
Gurevich, IU.D., Gubaidullin, F.Kh. - Current dividers for hydraulic systems. p.65.
Mel'nikov, B.F. - Grapple and scarifier. p.66.
Efficiency experts make suggestions. p.67.
Sessarevskii, A.N. - Laying railroad tracks in the German Federal Republic. p.68.
Drozdov, V.I. - Means for improving boring and blasting work. p.70.
Volkov, V.V. - Making the concrete lining of tunnels. p.71.
TSimbarg, L.E. - Construction of tunnels for hydraulic engineering purposes in Yugoslavia. p.73.
Voronin, M.I. - First technological specifications for designing and building second tracks in Russia. p.74.
Answers to questions. p.76.
Readers' conference in Tashkent. p.76.
Brief news. p.77.
In the latest numbers of foreign journals. p.80.

e. ELECTRICAL ENGINEERING

ATOMNAIA TEKHNIKA ZA RUBEZHOM [NUCLEAR ENGINEERING ABROAD]. Issued by Gosudarstvennyi komitet po ispol'zovaniiu atomnoi energii SSSR [State Committee for the Utilization of Atomic Energy in the U.S.S.R.]. Moscow, vol.7, no.9, Sep. 1963.

*AVTOMATIKA I TELEMEKHANIKA [AUTOMATIC AND REMOTE CONTROL]. Issued by Institut avtomatiki i telemekhaniki Akademii nauk SSSR [Institute of Automatic and Remote Control of the Academy of Sciences of the U.S.S.R.]. Moscow, vol.24, no.9, Sep. 1963.

Table of contents translated:

Kologov, G.E., Stratonovich, R.L. - Problem concerning the synthesis of an optimum controller solved by dynamic programming methods. p.1165.
Dem'ianov, V.F., Khomeniuk, V.V. - Solution of a linear problem on optimum control. p.1174.
Kirillova, L.S. - Existence theorem for a terminal control problem. p.1178.
Prialkin, N.S. - Analytical design of controllers. p.1183.
Pittel', B.G. - Some problems of optimum control. Part I. p.1187.
Malgarin, B.Zh. - Absolute stability of nonlinear automatic control systems with tachometer feedback. p.1202.
Platnitskii, E.S. - Structural independence of single-stage control systems. p.1213.
Butkovskii, A.G. - Method of moments in the theory of optimum control of systems with distributed parameters. p.1217.
Krylov, V.IU. - An automaton, asymptotically optimum in a random medium. p.1226.
Ball, G.A. - One method for speeding up apperature correlation analysis. p.1229.
Raibman, N.S. - Measure of certainty and prediction accuracy in determining the characteristics of complex automated systems using statistical methods. p.1236.
Kel'mans, A.K. - Evaluation of the reliability of information transmitting systems with random structure taking into account the value of transmitted communications. p.1250.
Raikin, A.L. - Structural reliability of sequential information collecting systems. p.1260.
Bronshtein, O.I. - Probability of remote control message reception taking into account the possibility of equipment failure and restoration of operation in the control center. p.1267.

Pozin, N.V. - Mean duration of false impulses and method of single distortions for noise analysis in telemetering p. 1273.
Methods for composing code combinations for multi-element codes with multiple-letter alphabet. p. 1279
Volgin, L.N. - Programming of digital computers for handling information according to the least squares method p 1264.
Rutman, R.S. - Use of a polynomial equations method for determining the characteristics of an object in self-adjusting systems p. 1289.
Svechnikov, S.V. - Contactless photopotentiometer. p. 1292

AVTOMATIKA, TELEMEKHANIKA I SVIAZ' [AUTOMATIC CONTROL, REMOTE CONTROL, AND COMMUNICATIONS]. Organ of Ministerstvo putei soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 7, no 7, July 1963

Table of contents translated:

Zhil'tsov, P.N. - Two-wire control network of the switches of electric interlocking systems on small railroad stations. p. 1.
Shishlikov, A.V., and others. - Operation of pulse-type track circuits on tracks with reinforced concrete ties. p. 4.
Tantsura, A.A. - Methods for matching load resistances in the operating band of the ZhR-3 transmitter-receiver. p. 8.
Reznikov, IU.M. - Apparatus for remote control of disconnecting switches of high-voltage automatic block system lines. p. 14.
Antoniuk, I.D. - These regulations should be reviewed. p. 19.
Perel'shtein, A.G. - A well organized collective. p. 22.
Gamburg, D.M. - The problem is being debated in a friendly bridge. p. 25
Strizh, N.I. - Redesigning of centralized traffic control on the Northern Caucasus Railroad. p. 27.
Strizhevskii, Sh.P. - Connection of selective networks in the automatic telephone exchanges of district-wide communication systems. p. 32.
Shirokov, N.P. - We have improved the keyboards of telegraph apparatus. p. 35.

Vol. 7, no. 8, Aug. 1963.

Table of contents translated:

Decisions of the Plenum of the Central Committee of the CPSU are being carried out. p 1.
Mel'shikov, N.IA. - Construction and operation of long-distance cable communication lines in an a.c. railroad district. p. 3.
Paderno, I.P. - Calculation of the reliability of radio electronic apparatus and its components. p. 8.
Stempkovskii, G.A. - Small-sized DTI-150 choke-transformer. p. 13.
IUrtsev, I.I., Gamburg, E.IU. - New regulations for receiving and placing in operation new equipment of automatic block systems, electric interlocking, and centralized traffic control systems. p. 16.
Klibi, M.I. - In the sector of an electrician and efficiency promoter. p. 18.
Kozin, V.O. - Transition from mechanical to electric interlocking systems. p. 21.
Outstanding workers of electric equipment plants. p. 24.
Shevchenko, V.P., Sadovnikhenko, A.M. - Creative work of efficiency experts. p. 25.
Ryzhenko, S.P., Zubarovskii, N.I. - Electric transportation of containers with freight documents. p. 27.
Brunshtein, V.A., Netyka, E.P. - Testing of selenium rectifier columns of DIa cells. p. 30.
Dukmas, G.IA., Smirnov, I.A. - An improved universal equipment bay. p. 31.
Kurgapkin, V.I. - Overhauling of thermal contactors. p. 34.
Temerova, V.I. - Technical information on the Northern Caucasus Railroad. p. 34.
Zav'ialov, F.P. - How to manufacture a glass dial plate. p. 35.
Butskii, V.D. - Is a "P" indication necessary on route indicators? p. 35.
Glazov, I.M., IAremenko, M.V. - We are utilizing depleted electrolyte in V.D. cells. p. 36.
Kurbatova, E.P., Shteingardt, V.IU. - Device for measuring soil temperature. p. 37.
Mironov, V.P. - Remarks on network insulation norms. p. 38.
Panchenko, A.A. - Dispatcher communication with ticket offices. p. 40.
Krylov, IU.I. - Interference preventing capacitive filters on electric locomotives. p. 41.
Semeniuta, N.F. - Device for dividing a standard frequency. p. 44.
Bolakov, P.P. - Remarks on a circuit for connecting new barriers. p. 44.
Rodovskaia, M.V. - Universal decimal classification. p. 46.
Books on automatic control, remote control, and communications. p. 48.

ELEKTRICHESKIE STANTSII [ELECTRIC POWER STATIONS]. Organ of Gosplan SSSR [State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 34, no. 6, June 1963.

Table of contents translated:

TSinovoi, I.I. - Construction project of the 2,400 Mw. Yermak State Regional Electric Power Plant. p. 2.
Romanov, V.A., Nemtsov, Z.F. - Method for calculating the number of starts and losses due to the variable operation of thermal electric power plants p 13
Marshak, IU.L., and others - Adjustment and operation of the TP-230-6 boiler with vertical cyclone preliminary furnaces operating on anthracite culm. p. 17.
Khoteev, V.P., Sokolova, N.K. - Automation of a coal pulverization system. p. 22.
Vishnevskii, T.S. - Installation of a GTU-25-700 gas turbine in an electric power plant p. 25
Kiutasova, E.I - Effect of cold deformation on the stress-rupture strength of pipes from 12KhMF steel p. 28.
Nudel'man, A.I, Filatov, V.P. - Automatic device for measuring the hardness of feed water p 31
Shkinov, N.M. - Analysis of the operation of electric power plants mounted on railroad cars p. 33.
Borevskii, E.I. - Guarantees and tolerances p. 35
Gutidze, P.A., Rusadze, V.F. - Study of the foundation of a 100 Mw. turbogenerator. p. 36.
Obrezkov, V.I. - Use of an electronic digital computer in calculating the optimum operation of hydroelectric power station in a consolidated system with seasonal regulation. p. 38.
Kozhin, A.N. - Short-circuit to ground protection at a certain point in the excitation network of a hydrogenerator. p. 42.
Zelenkin, O.G. - Method for calculating automatic frequency relief in an electric power system. p 45
Barkan, IA.D. - Utilization and improvement of a d.c. network analyzer. p. 48.
Likhachev, F.A. - Effect of the parameters of power transformers on phase voltages relative to ground with commutation according to phase. p. 54.
Mikhailov, V.V., Platonov, V.V., Ivankov, IU.I. - Increasing of the sensitivity of the starting devices of distance-type protection systems. p. 65.
Rikus, E.K. - Active current measuring unit for electronic VIT control apparatus. p. 68.
Burmistrov, P.G., Tishler, S.A. - Seals of hydrogen cooled turbogenerators. p. 72.
Mudrokh, E.V. - Composition of substations without cutouts at the high-voltage end. p. 77.
Volgin, M.A., Bezrodnyi, G.A., Lekus, L.P. - Automation of fuel supply systems in the Novo-Kemerovsk Thermal Electric Power Plant. p. 78.
Sidel'nikov, G.A., TSvetkov, E.V. - Total flow measuring device. p. 80.
Mamin, V.N. - Mechanization of wet lime storage cells transportation operations. p. 80
Malinin, M.S., Shilmanskii, B.A. - Destruction of filamentous alga in water-cooling reservoirs. p. 81.
Naumovskii, L.D., TSirel', A.IA. - Use of PK and PKT fuses in outdoor-type electric power distribution systems. p. 82.
Dvoinikov, I.V. - Use of epoxide adhesives in gluing porcelain. p. 83.
Sarapkin, V.V. - Testing of an ARS-1 transmitter-receiver in an area with rugged topography. p. 84.
Paporno, L.B. - Prevention of faulty operation of relay protection and disconnection of one side of a line equipped with nonsynchronous automatic reclosing. p. 85.
Stepanov, D.S. - Reply to V.V. Bolotov's article. p. 86.
Korzh, N.A. - Concerning V.P. Brimerberg's article "Use of the framework of a hydroelectric power station as a grounding system." p. 87.
Introduction of changes and additions to the instructions on the operation and repair of generators in electric power plants. p. 89.
Introduction of changes in the safety engineering regulations for operating overhead power transmission lines with voltages in excess of 1,000 volts. p. 91.
Use of isolators and disconnectors for switching idle 35 kv. transformers with 100 to 1,800 kv.-a rating and a 20 km. long 35 kv. power transmission line. p. 92.
Multiplicity factor of nonsynchronous automatic reclosing for TVV and TVF turbogenerators manufactured by the "Elektrosila" factory. p. 92.
All-Union public review of the fulfullment of plans in scientific research and use of scientific and technical innovations in the national economy. p. 92.
Turchin, N.IA. - Conference of power engineering workers. p. 93.
International electrical engineering standards. p. 95.
Kostenko, M.P., and others. - I.V. Gofman; obituary. p. 95.
Melent'ev, L.A., Leventa', G.B. - "Thermal section of electric power plants (thermal systems)." S.IA. Belinskii, V.A. Vediaev. p. 96.

ELEKTRICHESTVO [ELECTRICITY]. Organ of Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 7, July 1963.

Table of contents translated:

Mel'nikov, N.A. - Simplified method for determining the input impedances of equivalent circuits. p. 1.
Sirotinskii, E.L., and others. - Contactless automatic voltage regulators for regulating loaded transformers. p. 4.
Isaev, I.P. - Effect of the operation of electric rolling stock on the coupling factor. p. 12.
Raitsel'skii, L.A. - An economical electric power transmission line p 19
Stefanovich, T.Kh. - Use of self-saturating magnetic amplifiers in single-phase two-cycle a.c. networks p. 23
Glagoleva, N.B., and others. - Asynchronous characteristics of synchronous generators. p. 29.
IAkovlev, V.I., and others. - Study of various electric drive networks for the ESh 6,60 dragline excavator p 34
Postnikov, I.M. - Stray torques and losses due to higher harmonics of armature reaction of asynchronous motors with squirrel-cage rotors p. 39.
Frakman, IU.V., Shargorodskii, V.L. - Measurement of the mean temperature of windings in electrical equipment under load p 49
Kamenetskii, B.G. - Parameters of limited use of d.c. traction motors. p. 56
Razumov, L.D. - Shielding action of underground metal structures with consideration of the galvanic effect of d.c. railroads. p. 61
Stollar, I.M. - Transistorized magnetic amplifier with magnetic switch. p. 66.
Kardashov, A.A., Kalniushin, L.V. - Second-order delay component equivalent for a complex dynamic system. p. 70
Meiabishvili, P.F. - Choice of an optimum mode of operation for generators in electric spark machining. p. 74
Popov, V.S. - Measurement of a.c. voltage and current using nonstable inertial nonlinear elements p. 76.
Feigin, L.M. - Some problems concerning the operation of synchronous motors driving ball mills and rod mills p. 78.
Rozanov, M.N. - Concerning the choice of the efficient structure of power sources in electric power systems p. 83.
Lyskov, IU.I. - Problems of long-distance electric power transmission. p. 84
Lyskov, IU.I. - Prospects for stepping-up the voltages of overhead electric power transmission lines. p. 84.
Aleksandrov, G.N., Polovoi, I.F. - Decrease of the insulation disruptive voltage in electric power systems during certain kinds of switching surges p. 86
Stekol'nikov, I.S., Bazeilan, E.M. - Reply of the authors. p. 87
Sergeev, P.V. - Distribution of electric current in the tank of an electric ore-smelting furnace. p. 88.
Golubev, N.S. - Electromotive forces induced in the rotor winding of an asynchronous machine with large air gap. p. 89.
Dolginov, A.I. - Problem concerning the use of two-way switches with shunting resistances. p. 91
Shtamberger, G.A. - Conference on automatic control and electric measurement techniques p. 92.
Renne, V.T. - Fourth Interuniversity Conference on the Breakdown of Dielectrics and Semiconductors. p. 94.
Gerasimov, V.G., and others. - V.V. Meshkov, on *his 60th birthday*. p. 95.
International electrical engineering standards. p. 95.

ELEKTROENERGETIKA [ELECTRIC POWER]. Issued by Energeticheskii institut Akademii nauk SSSR [Institute of Power Engineering of the Academy of Sciences of the U.S.S.R.]. Moscow, no 7, 1963.

Table of contents translated

Bogdanova, N.B. - Initial corona potentials on electric lines. p. 3.
Levitov, V.I. - Critical gradient of a.c. corona. p. 16.
Levitov, V.I., Riabaia, S.I. - Voltampere characteristics of unipolar corona for an electrode wire-plane system. p. 22.
Bondarenko, S.T. - Permissible overvoltages with consideration of heating in high-voltage insulated entrances and cables. p. 31.
Mikhnevich, G.V., Kozlovskii, G.F. - Study of the interaction of automatic excitation controllers installed on parallel operating power plants p. 36.
Mikhnevich, G.V. - Study of electromagnetic moments created by currents of the transverse rotor stages of synchronous machines. p. 54
Gorushkin, V.I., Shul'gin, N.V. - Individual consideration of the saturation of the rotor and stator of a synchronous machine. p. 72.
Shul'gin, N.V. - Effect of steel saturation in the transverse axis of a salient-pole synchronous generator on some of its operating modes. p. 84.
Lutidze, Sh.I. - Commutational voltage drop in d.c. machines with a regulated semiconductor commutator. p. 91.
Bodiakshin, A.I. - Method for calculating the reactance of turbogenerators. p. 96.
Krtukov, A.A. - Determination of power and energy loss in long-distance power transmission lines with voltages in excess of 220 kv. p. 105.
Tolstov, IU.G. - Three-phase inverter with electronic commutation. p. 110.
Chen I-iun', [Ch'ên I-yün]. - Use of electronic computers for calculating electromagnetic processes in converter systems. p. 126.
Taft, V.A., Militin, I.P. - Operating modes of a nonlinear electric network. p. 136.
Libkind, M.S. - Some properties of balanced electrical networks. p. 148.

*ELEKTROSVIAZ' [TELECOMMUNICATION]. Organ of Ministerstvo sviazi SSSR and Nauchno-tekhnicheskoe obshchestvo radiotekhniki i elektrosviazi im A.S.

B 16e Popova [Ministry of Communication of the U.S.S.R. and the A.S.Popov Scientific Technological Society of Radio Engineering and Telecommunication]. Moscow, vol 17, no 7, July 1963

Table of contents translated.

Information bulletin of the Telegraph Agency of the Soviet Union. p.1.
Khvorostenko, N.P. - Informational criteria of optimal receivers of discrete information. p.2.
Terent'ev, B.P., Shtein, B.B. - Higher harmonics in radio shortwave receivers. p.7.
Rozov, V.M. - Optimum speed of telegraph message transmission with relative phase keying. p.16.
Levin, B.R. - Some generalizations in the theory of random pulse processes. p.21.
Fink, L.M., Georgiev, V.K. - Error distribution in binary signal reception in relative phase telegraphy. p.33.
Shnops, M.A. - New principles for selecting an optimum network with partial access. p.40.
Usol'tsev, A.G., Tunin, V.IA. - Study of the laws of error distribution in FM voice frequency telegraphy channels. p.47.
Eidel'man, L.IA. - Method for uncoupling inductive couplings without changing the configuration and number of circuit elements. p.52.
Pankratova, O.I. - Calculation of clusters of lines with a mixing selector using an effective access technique. p.63.
Gubin, N.M., Barsuk, V.A. - Use of linear programming methods for constructing a telegram directing network. p.70.
Chepura, V.F. - Power supply network of a cophased array with unequal current amplitudes in the radiators. p.73.
Decision of the All-Union Council of Scientific and Technological Societies. p.75.
Foreign patents. p.76.
Bibliography. p.77.

IVANOVO. ENERGETICHESKII INSTITUT. Sbornik nauchnykh trudov [INSTITUTE OF POWER ENGINEERING. Papers]. No 10, pt.2, 1962.

Table of contents translated.

Kiselev, I.K. - Natural vibrations of relay regulators with a flexible feedback. p.5.
Parilov, V.A. - Effect of the moisture content of Moscow-region lignite on the processes of drying, calcination and escape of volatiles in a layer in case of top firing. p.19.
Sorokin, A.F. - Effect of some factors on the magnitude of critical heat flow during the surface boiling of liquids. p.31
Kuzina, T.M. - Experimental investigation of the regularities of heat and mass exchange during the evaporation of solutions. p.38.
Koptelov, IU.K., Zuev, A.I. - Kinetics of radiation convective pulsatory drying of cable insulation. p.52.
Platachkov, B.I. - Experimental investigation of the drying process of lump peat. p.62.
Prudnikov, N.K. - Heat conductivity of aqueous solutions of salt electrolytes. p.73.
Olenev, V.A. - Some factors for the increase in the intensity of gasification process of peat coke in a layer. p.81.
Broykin, L.A., Danilov, B.A. - Use of liquified gas in cupola furnaces. p.94.
Abstracts of completed research works contracted for the national economy. p.107.

PROMYSHLENNAIA ENERGETIKA [INDUSTRIAL POWER]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR and Nauchno-tekhnicheskoe obshchestvo energeticheskoi promyshlennosti [State Committee for the Coordination of Research in the U.S.S.R. and the Scientific Technological Society of the Power Industry]. Moscow, vol.18, no.5, May 1963

Rakovich, I.I. - Principal changes and additions to regulations governing the "Electrical equipment of explosion-hazardous systems." p.43
Ovcharenko, N.I. - Hall effect in semiconductors. p.47.
Vol'fkovich, IA.E. - New light sources (from "Electrical Construction and Maintenance," no.12, 1961). p.51.
Vol'fkovich, IA.E. - Use of an ultrasonic technique for cleaning the light scattering glass of outdoor-type electric lighting fixtures (from "Electrical World," no 9,1962). p.52.
Vol'fkovich, IA.E. - Electric motor with 15,000 hp. rating for outdoor operation (from "Power," no.4,1962). p.53.
In the factories. p.53.
Suggestions having received recognition at the 16th All-Union Competition on the Saving of Thermal and Electric Power. p.54.
Varshavskii, I.IA. - Conference on "Means for improving power engineering and furnace economy of metallurgical plants." p.57.
Brief reports on developments in the U.S.S.R. p.59.
Brief report on developments abroad. p.60
Kozlov, V.A. - Concerning "Regulations for the design of industrial electric power supply systems p.61
Filimonov, P.V. - Electrical wiring in explosion-hazardous systems p.62.
Mercury rectifiers and rectifier units using silicon valves. p.63
Bucket-type hoist of the P.I.Shev'ev system p.64.

Vol 10, no 7, July 1963.

Table of contents translated

Serbinovskii, G.V. - Make every effort to assure a high-quality voltage supply. p.2.
Gertsenshtein, D.I. - Expenditure of electric power in mines. p.6
Efroimovich, IU.E., and others. - VU-5086 computer and high-speed electronic automatic controller for regulating power supply to electric arc furnaces p.7.
Nevel'son, M.I., and others. - Development of highly efficient ventilator models ORGRES operating according to a 0.68-161° system for electric power plants. p.8.
Ivanova, V.A., and others. - Efficient conveyor-type lacquering machine. p.9.
TSverava, G.K. - Experience in the use of electric arc furnaces in smelting white synthetic corundum. p.10.
Shmulevich, R.V. - Protection of a synchronous 6 kv. motor p.13.
Maksimenko, N.N. - Protection of low-voltage motors in partial phase operation. p.14.
Malkov, A.G. - Change in the network of governor position indicators in compressor stations. p.15.
Riabtsev, N.I. - Effect of feed water temperature on the operation of a boiler unit. p.16.
Voloshin, L.N. - Operation of boilers on unsorted anthracite p.19
Suslov, M.P. - Mechanization and automation of reagent shops. p.21.
Gitkis, R.G. - Problems concerning the design of electric drives with synchronous electric motors. p.25.
Ovcharenko, N.I. - Use of the Hall effect in electric power engineering. p.28.
Vol'fkovich, IA.E. - Radio communication in industrial enterprises. p.35.
Vol'fkovich, IA.E. - Consumption of electric power by various industries in Western Europe in 1960. p.36.
In brief about developments. p.37.
Taits, A.A. - Scientific and technical conference on new techniques in the field of electric power distribution and electrical equipment of industrial enterprises p.38.

eview of the fulfillment of plans in rch and introduction of scientific novations in the national economy.

- Standard project of a heating system. p.42.
m sheathing of a cable as a zero with explosion hazards. p.43.
w 6th series transformer stations itute for the Design and Planning or Systems. p.44.
of an asynchronous motor with the ential regulator. p.45.
strial power engineering. p.46.
journals. p.46.
n systems p.47.

963.
itents translated
egulations for operating electrical

Michurin, O.I. - Technical and lency of using mercury rectifier ced phase shift angle. p.4.
Kaplenko, V.K. - Asynchronous rter unit for autonomous power ic power tools. p.9.
Shtitel'man, S.I. - Signaling net-her control of continuous lines.

Lindorf, L.S., IAkimenko, N.I. - Use of a combination relay for the protection of asynchronous motors from two-phase operation. p.13
Platonov, G.F. - Nominal voltages and currents of ore reduction and ore smelting furnaces. p.15.
Motora, V.A. - Start of the electric motors of continuous line systems. p.18
Kitsis, S.I. - Thermal protection in the electric motors of crane mechanisms. p.20.
Chetvin, IU.V. - Improvement of rectifiers for charging the storage batteries of electric tractors. p.22.
Vdovin, P.E., Okhitomenko, L.V. - System for cleaning and drying transformer insulating oil. p.22
Kigel', L.S., Kliuev, IU.B., Provorinin, V.D. - Modernization of Sterling system boilers converted to operate on fuel oil with high sulfur content. p.26.
Valuev, A.V., Mynkin, K.P., Paper, G.M. - Internal drum separators for Shukhov-Berlin and Shukhov boilers. p.29
Lyskii, A.K. - Causes of the decrease of the evaporative capacity of boilers. p.32.
Chupakhin, B.IA. - Efficiency of boilers operating on gaseous fuel. p.33.
Borisov, B.F., and others. - Training of engineers for work in industrial heat and electric power systems. p.35.
Rekus, G.G. - Choice of the power rating of three-phase asynchronous motors with single-phase feed p.42.
Sokov, M.I. - Electric power supply of sugar refineries. p.44.
Vankevich, L.V. - Correct connection of limit switches and stopping devices p.10.
Vol'fkovich, IA.E. - Anticipated increase in the demand for electric power by industrial enterprises and other consumers in the German Federal Republic in 1975. p.50.
Vol'fkovich, IA.E. - Electric meter with magnetic lead relief. p.52
Vol'fkovich, IA.E. - Portable infrared heaters. p.52
In the factories. p.53.
Ermilov, A.A. - Serial electrical equipment in three blocks. p.54
Fourth Plenum of the Main Administration of the Scientific and Technical Society of the Power Industry. p.55.
Ryzhnev, IU.L. - All-Union public review of the fulfillment of plants in scientific research work, and use of scientific and technical innovations in the national economy. p.56.
Brief reports on developments in the U.S.S.R. p.57
Brief reports on developments abroad. p.58.
Shuman, A.K., Dunats, G.I. - Concerning A.I Safronov's article "Mobile high-voltage laboratories." p.59.
Pomirchi, M.E. - Concerning T.P.Musatov's article "Reserve connections in the electric power distribution networks of industrial enterprises." p.60
Polikov, B.A. - Overhauling of KM-type condensers p.61.
Through the pages of trade journals. p.61.
Feed-water economizers, ash collectors, exhaust fans, and ventilators for DKVR boilers. p.62.

RADIO. Organ of Ministerstvo sviazi SSSR and Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [Ministry of Communication of the U.S.S.R. and of the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, no.8, Aug. 1963.

Table of contents translated:

The ideas of communism are our guiding star. p.1
Great epopee in outer space. p.3.
Grif, A. - Triumph of soviet sciences p.4.
Blagonravov, A.A. - Automatic control and space flight. p.6.
Shatilov, S. - Radio amateurs contribute to technological progress. p.8.
Bassina, M. - Let's send our best exhibits to the All-Union public review. p.10
Zakharov, L. - Regretful mistakes. p.11.
Mstislavskii, A. - Troubled hearts. p.12
Kazanskii, N. - From the first trial of force to the leadership of Europe. p.14.
Zhelamskii, A. - The right direction p.16.
Short radio waves. p.17.
Ultrashort radio waves. p.18.
Tomson, T. - Perspective development of SSB p.19
Ust'ianov, L. - An SSB attachment. p.21.
CQ SSB. p.24.
Balakin, A., Shamgin, IU. - "Narech" radio receiver. p.25.
Bol'shov, V. - Low frequency amplifiers. p.27.
Rymar', B. - Measurement of electric and magnetic quantities. p.32.
Sotnikov, S. - Television loop antennas. p.37.
Babkin, N. - Repaired by amateurs. p.40.
Matveev, G., Khomich, V. - Ferrites in radio electronics. p.42.
Vasil'kevich, I. - Special features of the design of inductance coils. p.46.
Fedorovskii, IU. - Windmill generator. p.49.
Prianishnikov, V. - Parallel operation of pulse tubes p.52.
Pakhomov, IU. - UM-50 amplifier with increased power output. p.53.
Reference sheet. p.55.
Through the pages of foreign periodicals. p.59.
Our consultations. p.61.

*RADIOTEKHNIKA [RADIO ENGINEERING]. Organ of Nauchno-tekhnicheskoe obshchestvo radiotekhniki i elektrosviazi im. A. S. Popova [A.S. Popov Scientific and Technological Society of Radio Engineering and Telecommunications]. Moscow, vol 18, no. 6, June 1963.

Table of contents translated:

D'nitskii, L.IA. - Spectrum of a pulse-interval modulated signal. p. 3.

Tatarinov, A.B. - Evaluation of the constant constituent of a detected harmonic signal mixed with additive gaussian noise using a segment of realization with finite duration. p. 7.

Mazepova, O.I., Fel'dshtein, A.L., IAvich, L.R. - Design of superhigh frequency band-pass filters. p. 15.

Babanov, *Yu. N.* - Experimental study of a method for increasing the selectivity of radio receiving systems with superposing AM signal spectra. p. 26.

Khromov, L.I., Reain, V.I. - Development of frequency methods for evaluating the quality of television systems. p. 29.

Gillis, M.V. - Correction of amplitude-frequency characteristics in a channel of a magnetic recording system. p. 36.

Shats, S.IA. - Design of multiple-stage transistor video amplifiers. p. 43.

Belen'kii, IA.E., Olesin, V.R. - Heat stabilization of multiphase transistor multivibrators. p. 51.

Vollernei, N.F., and others. - Multichannel measurements of a fluctuation voltage. p. 56.

Kalashnikii, S.S., Kornilov, S.A., Khatskevich, E.I. - Features of a coherent method for measuring low-frequency fluctuations of microwave generators. p. 62.

Romanov, A.K. - Evaluation of the reliability of the structure of electronic networks. p. 71.

Chistiakov, *N.I.* - *Review of the periodical "Elektronika"*. p. 76.

M.A. Bonch-Bruevich; on his 75th birthday. p. 78.

I.A. Rizkin; obituary. p. 80.

*RADIOTEKHNIKA I ELEKTRONIKA [RADIO ENGINEERING AND ELECTRONICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, no. 9, Sep 1963.

Table of contents translated

Kolpakov, N.D. - Correlation couplings in nonlinear circuits with fluctuating parameters. p. 1499.

Kontorovich, M.I. - Average boundary conditions on the surface of a grid with quadratic cells. p. 1506

Rabinovichenbaum, B.Z. - Transmission of microwaves using reflections from a row of focusing mirrors. p. 1516.

Pavlov, P.P. - Isolated frame antenna with spherical ferrite core in a conductive medium. p. 1523.

Vorobiov, G.I., Likhnitov, L.A. - Contribution to the theory of a two-layer dielectric wave guide in a cylindrical screen. p. 1530

Kushnir, V.F. - Contribution to the theory of parametric systems of the first order. p. 1542.

Kravtsov, IU.A. - Saturation power of some types of amplifiers with nonlinear capacitance. p. 1545

Novoselitov, M.T., Soshkevich, E.V. - Design of a ferrite phase shifter. p. 1552

Bezmaternykh, L.N. - Calculation of the dispersion of rod systems using a variational method. p. 1556.

Shamailov, IA.I., Sukhova, T.A. - Experimental study of a two-level parametric amplifier on 9,000 mc. p. 1567.

Shamailov, IA.I. - Method for decreasing the "off" time of two-level paramagnetic masers. p. 1573

Kazatkin, L.V., Rapoport, G.N. - Effect of mismatch on the characteristics of an O-type backward-wave oscillator. p. 1577.

Martin, N.P. - Properties of an artificial electron cloud created in a medium with variable density. p. 1587.

Avak'iants, G.M., and others. - Active and reactive current component in a nonsymmetrical p-n junction at high injection levels. p. 1594.

Eshina, N.P., Zotova, N.V., Nasledov, D.N. - P-n junctions in indium arsenide. p. 1602.

Gertsenshtein, M.E., Pustovoit, V.I., Filippov, S.S. - Hypersound amplification in piezoelectric semiconductors. p. 1607

Smolianskii, R.E. - Temperature changes in the parameters of devices with p-n-p-n type structure. p. 1615.

Borisov, V.L., Khlystov, V.D. - Secondary electron emission of MgO films at small energies of electrons. p. 1626.

Grots, O Sh. - Aging of quartz. p. 1630.

Lagovoi, V.N. - Surface impedance for periodical nonstationary media. p. 1633.

Trifonov, V.I. - Effect of periodically varying resistance on a nonregenerative parametric system p. 1637.

Khaliapin, D.B. - Use of dispersive dielectrics in the capacitive elements of the lower frequencies of microwave filters. p. 1639.

Barchukov, A.I., Prokhorov, A.M., Stvranskii, V.V. - Biharmonic operating mode of an ammonia molecule beam maser. p. 1641.

Pimenov, IU.P., Prokhorov, A.M. - Quantum paramagnetic amplifier with Cr^{3+} ion in a rutile grid. p. 1642.

Kukushkin, V.V. - Tunnel diodes with regulated reactance. p. 1643.

Bondarenko, B.V. - Methods for studying emission properties of refractory metals, metal-like compounds and alloys. p. 1646.

REFERATIVNYI ZHURNAL: AVTOMATIKA, TELEMEKHANIKA I VYCHISLITEL'NAIA TEKHNIKA [JOURNAL OF ABSTRACTS. AUTOMATIC CONTROL, REMOTE CONTROL, AND COMPUTER TECHNOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no 9, Sep, 1963.

REFERATIVNYI ZHURNAL ELEKTROTEKHNIKA I ENERGETIKA [JOURNAL OF ABSTRACTS: ELECTRICAL ENGINEERING AND ELECTRIC POWER] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos 8-9, Aug.-Sep. 1963.

REFERATIVNYI ZHURNAL RADIOTEKHNIKA I ELEKTROSVIAZ' [JOURNAL OF ABSTRACTS: RADIO ENGINEERING AND TELECOMMUNICATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 9, Sep 1963

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; elektromekhanika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Electrical Machinery and Apparatus]. Novocherkassak, vol. 6, no. 8, 1963.

Table of contents translated:

Pines, M.I. - Conditions of physical feasibility of equivalent linear passive two-stage two-terminal networks containing elements of two forms (R,L), (R,C), (L,C). p. 539.

Del', G.V., Kutlavin, I.D. - Determination of the principal dimensions of electric transformers. p. 551.

Nasedkin, L.P. - Study of thermal operating conditions of small heat-resistant power transformers. p. 557.

Mezhbund, V.I. - Efficient form for recording the machine constant of d.c. machines with printed rotor winding (disk rotor). p. 565.

Parts, R.R. - Geometry of the armature of a small d.c. motor with printed winding. p. 569.

Osnovich, L.D. - Leakage coefficient and optimum width of polar caps in d.c. machines with printed armature windings. p. 576.

Skliarov, A.E., Aleksandrov, K.B. - Choice of the parameters of an impulse voltage for testing the insulation of winding sections of electric traction motors. p. 582.

Donin, V.L., Abramova, L.I. - Transducer of the derived frequency of an electrohydraulic controller of a hydraulic turbine. p. 592.

Smirnov, N.A., and others. - Decoding "number-angle" converter with intermediate transformation. p. 597.

Figurnov, E.P. - Temperature compensation of e.m.f. Hall transducers. p. 605.

Karochkin, A.V., Zelenov, A.B., Samcheleev, IU.P. - Universal device for processing the oscillograms of reversing rolling mills. p. 611.

Loksha, B.K. - Design of graphite heaters for electric furnaces. p. 619.

Sviridenko, P.A. - Methods for regulating the angular velocity of electric motors. p. 629.

Emets, P.P. - Use of an electronic automatic balancing EMD-type bridge in pressure measurements. p. 631.

Vasilenko, G.V. - Doubling of the number of balancing connections in electrical machines. p. 634.

Dmitriev, V.S. - Use of $B_{\sim} = f(H_{\sim})$ characteristics with $H_{\sim} + H_{=} =$ const in designing saturable reactors. p. 637.

Drozdov, A.D., Khlebnikov, S.D. - Device for simulating a hysteresis loop in analog computers designed for calculating electrical networks. p. 641.

Magidson, V.V. - Average rectilinear commutation in large d.c. machines. p. 643.

Shturman, G.I. - "Asynchronous machine with solid rotor" by V.M. Kutsevalov. p. 644.

Vol. 6, no. 6, 1963.

Table of contents translated

Turik, A.V. - Graphical method for studying the oscillations of nonlinear systems. p. 651.

Petrushenko, E.I. - Calculation of the capacitance of strip-type transmission lines. p. 656.

Borisov, IU.A., Usynin, IU.S. - Simulation of a system of optimum control of flying shears. p. 662.

Sandler, A.S., Shapiro, L.IA. - Mechanical characteristics of a two-motor rectifier-machine stage. p. 671

Osnovich, L.D., Kazanskii, V.M. - Losses and eddy currents in the rotor windings of d.c. machines with printed windings. p. 676

Mnatsakanian, M.G. - Steady-state conditions in electric current transformers with excitation operating in a three-phase network with an active-inductive d.c. load. p. 683.

Maevskii, O.A. - Nonsymmetric bridge-type mercury-arc converters. p. 691.

Mokrovskii, S.V. - Practical techniques in designing static frequency doublers. p. 715.

Korabley, S.S. - Self-oscillations of an electromechanical vibrator. p. 723.

Savastcev, V.G. - Synthesis of the corrective devices of reversive automatic control systems. p. 730.

Lysov, N.E. - Constant heating and resistance of closed electrical contactors p 743

Iaev, I.S. - Study of a.c. arc quenching processes in chambers with narrow slots p. 757.

Vasilenko, G.V. - Effect of the field of the principal pole on the commutation of a traction motor. p. 768

Pekker, I.I. - Principles of the design of electromagnets using consecutive approximations p. 775.

Petotovskii, L.S. - Comparison of bipolar and unipolar capacitive machines. p. 778.

Trushkov, A.M. - Sparking at the brushes of electrical machines disconnected from the power network p. 781.

Magidson, V.V. - Measurement and calculation of the inductive parameters of the armature sections of d.c. machines p. 783.

Berger, A.IA. - Power efficiency and economics of a.c. machines p. 787

Vol. 6, no. 8, 1963

Table of contents translated

Savrasov, V.N. - Study of oscillations in a two-stage ferroresonant network p. 899

Zechikhin, B.S., Pavlova, K.N. - Magnetic field in the air gap of an inductor machine with a comb-type toothed zone. p. 907.

Kalganov, A.G., Patsevich, V.V. - Maximum power rating of electrostatic generators p. 917.

Lysov, N.E. - Steady heating of electric contactors. p. 922.

Somikhina, G.S. - Choice of the principal dimensions of an asynchronous tachometer generator p. 936.

Nekrasov, O.A., Gorin, N.N. - Utilization of the power of asynchronous short-circuited machines operating under conditions deviating from nominal p. 946

Perel'muter, M.M. - Calculation of the electric drive of a cart with suspended load. p. 952.

Vavilov, A.A., Kotchenko, F.F. - Calculation of a certain class of near optimum tracking systems p. 961.

Pekker, I.I. - Calculation of the inductance of π and π-type electromagnets with plane armatures p. 973

Leitman, M.B. - Transistor voltage stabilizers for the power supply of electronic networks p. 982

Prokurorov, N.S., Surzhin, L.V. - Measurement of transitory currents and voltages. p. 990.

Adamenko, A.I. - Choice of drives for the auxiliary equipment of a.c. locomotives. p. 998

Kozlovskii, O.M. - Some results of trial runs of "N60" and "T" series a.c. locomotives. p. 1004

Mogil'nikov, V.S. - Comparative characteristics of an asynchronous motor in three-phase and single-phase modes of operation p. 1014.

Cherchepov, V.V. - Interuniversity conference on the use of electronic computers in the design and study of electrical machines and apparatus p. 1018.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Power Engineering]. Moscow, vol. 6, no. 8, Aug 1963

Table of contents translated:

Akodis, M.M., Bronnikov, V.I. - Overvoltage protection of long-distance power transmission lines. p. 1.

Kiichenova, I.A., Trofimenko, D.E. - Expediency of using 900-1,000 kv. voltages in long-distance power transmission lines. p. 8.

Bronshtein, E.L. - Comparison of results of the study of stability in a physical model and an electric power system. p. 15.

Imshenetskii, V.N., Isaenko, A.V. - Decrease in the maximum current in an overcurrent protection system using operative a.c. with low-power transformers. p. 22.

Obukhov, V.I. - Measurement of the energy of a spark discharge in solid dielectrics using an oscillograph p. 28.

Tkesheladshvili, G.K. - Concept of total power in a nonsymmetrical multiphase current network. p. 33.

Kuzin, S.E. - Standard method for calculating the electrical load of industrial enterprises. p. 38.

Bortsov, IU.A., Shestakov, IU.S. - Simulation of the operating drive of flying shears p. 45.

Lerner, V.S., Platonov, G.F. - Effect of geometrical dimensions and special engineering features on ore-smelting furnaces and their regulatory features. p. 51.

Korneichev, A.I. - Determination of the optimum value of the coefficient of central heating of a heat and electric power plant during joint operation of peak-load boilers and heat and electric power plants. p. 58.

Pavlovskii, G.I., Bratuta, E.G. - Determination of expenditure coefficients during the outflow of wet steam from a nozzle cascade. p. 64.

Latenko, B.V. - Heat emission and aerodynamic resistance of the heating surfaces of regenerative grid-type air heaters. p. 72.

Gurvits, A.A. - Motion of solid particles in a gas flow p. 80.

Karabin, A.I. - Effect of the heating of compressed air on its efficiency. p. 90.

Odel'skii, E.Kh. - Internal and external heat exchange in concrete heating panels. p. 95.

Kliukov, N.T., Diakin, V.I. - Analysis of the results of natural cavitational tests of reversible-blade type hydraulic turbines. p. 101.

B 16c-16f Limichenko, N.N. - Review of classical methods in theoretical electrical engineering. p.108.

Konovalova, I.A. - Discharge delay in a regulated arc gap with a gas generating igniting device. p.110.

Zozulin, N.V., Shvarts, V.A., Kalinin, B.L. - Heat transfer and hydraulic resistance in a bank of tubes with longitudinal ribbing. p.114

Pokeev, V.S. - Use of whirl funnels for passing wood through hydraulic developments. p.119

Aleksandrov, G.N., Zrients, S.L., Kostenko, M.V. - Concerning I.K. Fedchenko and B.N. Kondra's article. p.124.

Klishevich, G.V. - Concerning errors in V.G. Zhuravlev's article "Engineering and economic basis for the operating capacity of the water reservoir of a low-pressure hydroelectric power station." p.126

*RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i

Moscow, vol.6, no.3, May-June 1963.

Table of contents translated:

Neiman, M.S. - Similarity of electronic vacuum systems. p.217.

Plemiannikov, A.N. - Propagation of radio waves along the nonuniform surface of the earth. Part 1. Plane earth. p.230.

Rassokhin, G.I. - Analysis of the operation of a capacitive parametron. p.239.

Sokolov, V.A. - Calculation and design of inductive parametrons. p.249.

Averbakh, V.S., Zhidko, Iu.M. - Reciprocal ferrite switch using a slot bridge. p.259.

Galitskii, V.V. - Model of a diffusion transistor. p.265.

Kuleshov, Iu.G. - Method for the synthesis of frequency and transfer characteristics of a four-terminal network. p.271.

Rubanik, V.P. - Mutual synchronization of self-oscillatory systems with multiple frequency ratios. p.278.

Shagurin, I.I. - Method for measuring the negative impedance of tunnel diodes. p.283.

Vollernor, N.F. - Choice of the optimum dissipation electric power in the components of radio-electronic apparatus. p.287.

Teterbaum, IA.I. - Electronic filter with a parallel electron tube. p.292.

Smirnova, L.A., Soina, N.V. - Frequency characteristics of a system of two coupled stages, one of which contains a variable capacitance. p.301.

Gershenzon, E.M., and others. - Dynamic characteristics of a stage with variable capacitance and low level of regeneration. p.303.

Zhodzishskii, M.I. - Contribution to the theory of the approximation of electron tube characteristics with large voltage amplitudes. p.304.

Kosheiev, V.V., Talanov, V.I. - Automatic optimization of the characteristics of a ferrite switch. p.308.

Shushin, V.M., Zotonin, A.P. - Method for improving the actual selectivity of an AM signal receiver. p.311.

Il'nitskii, L.IA. - Conversion of frequency modulated oscillations to amplitude-frequency modulated oscillations using a differentiating device. p.313.

Gudzhonko, A.I. - Shaping of multilobe radiation patterns using modulated delay structures. p.315.

Veselkov, G.P. - Optimization of cascaded Tshebyshev transformers. p.316.

Ostroumov, B.A. - The first application of radio geodesic work beyond the polar circle (1922-1924). p.320.

Sunlov, I.A. - Defense of dissertations in the Institute of Radio Electronics and Electronic Engineering in Tomsk. p.323.

Kushnir, F.V. - Defense of dissertations in the M.A. Bonch-Bruevich Institute of Electrical Communications in Leningrad. p.323.

VESTNIK ELEKTROPROMYSHLENNOSTI [REVIEW OF THE ELECTRICAL INDUSTRY]. Issued by Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, vol.34, no.8, Aug. 1963.

Table of contents translated:

Zelichenok, R.I. - Indirect method for determining additional losses of asynchronous micromotors. p.1.

IAkovenko, V.A. - Commutation of electrical machines with impact loads. p.4.

Ryzhkov, V.S. - Current locus diagrams of asynchronous machines with phase and amplitude-phase control. p.9.

Fatcev, V.A., Smolin, N.A. - Automatic regulation of the voltage of a synchronous generator in a frequency regulated electric drive system. p.14.

Naumenko, IU.N., Sirenko, N.I. - Special operating features of the electric drive for moving the manipulator of a free forge. p.16.

Davtian, V.M., Davidian, Zh.D. - Series of synchronous generators with increased frequency and self-excitation by selenium rectifiers. p.19

Poliakov, G.P. - Trigger network with emitter feedback and normal closed-loop transistor output. p.23.

Stoliarov, I.M. - Three-phase transistorized magnetic amplifier. p.26.

Sergeenkov, B.N. - Networks and designs of three-phase contactless transformer-type voltage regulators. p.30.

Babskii, V.A., Rubchinskii, A.V., Khomov, IU.D. - Density of mercury vapor in open-type ignitrons. p.34.

Aleksandrov, N.V., Trubachev, S.G. - Electrical and mechanical properties of polyethylene terephthalate films. p.41

Livshits, P.S. - Effect of specific pressure on the life of electric brushes. p.46.

Trusova, V.N. - Study of special designs of rain-washed support insulators. p.48.

Eremeev, A.S. - Block-type hydrogenerator stator with reinforced concrete hull. p.52

Gutman, M.B., Mikhailov, L.A., Rozhdestvenskii, O.I. - Heating in a fluidized bed. p.53.

Kovalev, P.F. - Standardization of regulations and norms in the manufacture of electrical equipment. p.57.

Tulin, V.S., Pankrat'ev, A.G. - Concerning P.F. Kovalev's article. p.60.

Volotkovskii, S.A., and others. - Operating characteristics of electric charging devices with semiconductor rectifiers for use in mines. p.62

Bardinskii, S.I. - Design of a resonant frequency transducer. p.65.

Sheftel', I.T., and others. - Quick-response bead-type thermistors. p.71.

Grinshtein, V.I., Nudel'man, V.N., Rakhmanov, I.A. - Negative sequence power relay. p.74.

Asynchronous and synchronous a.c. machines for general industrial use with power ratings from 100 to 1,000 kw. p.75.

Ilkin, B.A. - Quantitative evaluation of the reliability of electrical machines. p.79.

ZARUBEZHNAIA RADIOELEKTRONIKA [RADIO ELECTRONICS ABROAD]. Moscow, no 9, Sep. 1963.

f. INDUSTRIES & TRADES

KHLEBOPEKARNAIA I KONDITERSKAIA PROMYSHLENNOST' [BAKING AND CONFECTIONERY INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol.7, no.8, Aug. 1963.

Table of contents translated.

Romashkina, A.F. - Role of the collectives and shock workers of communist labor in the investigation of potentials for the growth of labor productivity in confectionery enterprises. p.1.

Smirnova, G.M., and others. - Selecting yeast species. p.5.

Shpigel'glias, A.S. - Laboratory press for small loads. p.7.

Nikol'skii, V.V., Mesenkashina, V.A. - Automation of the technological processes in bakeries. p.10.

Vinogradov, V.V., and others. - Wafers enriched with dehydrated meat. p.15.

Notkina, L.G., Golubchik, M.G., Baiberdina, L.M. - Method for determining potassium in molasses. p.17.

Rozhkova, V.V. - Mechanization of caramel production and division of labor of the workers in various confectionery enterprises. p.20.

Kertman, S.Kh. - Standardization of measurement units for evaluating the operative efficiency of equipment. p.25.

Slesarenko, M.A. - Organization of the work in the macaroni shops of the Klaipeda Bakery No.2. p.27.

Sysoev, I.A., Auerman, L.IA. - Accelerating the ripening of wheat flour in heating. p.29.

Nikulin, V.P. - Technological improvements in the Pervouralsk Bakery Combine. p.31.

Pogoreiyi, V.S. - Improving the performance of the KhDF-M2 dough divider. p.34.

Kiparisova, L. - Four-phase method for preparing wheat flour dough. p.35.

Seferov, S.I., Chuprina, V.I., Kurskaia, E.N. - Dough aeration during mixing. p.36.

Chudakov, G.S. - Some problems in design and planning. p.37.

Chubik, I.A., Listovskii, R.R. - Heat exchange in the boiling down of "Iris" toffee mass in a coil apparatus. p.39.

Makhlis, G.L. - New design of the cutter for automatic wrapping machines. p.40.

Sharf, V.I. - Machine for cutting sponge cake into layers. p.40.

Kokashinskii, G.R. - Machine unit 317-E-9 for the production of chocolate bars. p.42.

Poliakov, E.S. - New macaroni factory. p.44.

Advice and consultations. p.46.

Inventions in the field of the food industry. p.47.

MUKOMOL'NO-EVEVATORNAIA PROMYSHLENNOST' [FLOUR MILLING AND GRAIN STORAGE]. Organ Gosudarstvennyi komitet zagotovok Soveta Ministrov SSSR [State Committee for Procurement of the Council of Ministers of the U.S.S.R.] Moscow, vol.12, no.3, Mar. 1963

Table of contents translated.

Increase the production and improve the quality of mixed feeds. p.1.

Raise higher the banner of socialist competition; a letter of the All-Russian Grain Products Trust and the Central Committee of the Trade Union of Workers and Employees in Agriculture and the Procurement Stations; appeal of the workers of the Novomoskovsk Milling Combine, socialist obligations of workers at the enterprises of the Bashkir Grain Products Administration. p.3.

Manulov, A., Kashkin evich, M. - Toward new frontiers. p.5.

Gun, L., and others. Shaft recirculating grain dryer at the Kochnevo Grain Receiving Station. p.6.

Pirozhkov, S. - Dispatcher control panel at a drying and cleaning tower. p.8.

Sofodovnik, P., and others. - Practices in disinfecting seed peas with chloropicrin in winter. p.9.

Martynenko, IA. - Grinding and polishing machines at the groats shop of the Kerch Grain Products Combine. p.10.

Chakar, A. - Pneumatic conveying at the grinding section of the Leningrad Kirov Milling Combine. p.11.

Kristal', R., Staroverov, M., Sergeev, K. - Planning problems and the analysis of labor productivity and wages. p.13.

Voronin, V. - Establishing norms for the working capital of flour, groats, and mixed feed mills. p.14.

Khoroshii, I., Issers, F. - Performance of the walls of elevator bins made from prefabricated pre-stressed reinforced concrete rings. p.16.

Bolko, I. - Some notes on the project of a continuous corn receiving and processing line. p.19

Kemmer, A. - Resources in designing pneumatic conveying systems for flour mills. p.20.

Galitskin, R. - Calculating the milling batches of grain made up from an unlimited number of components. p.22.

Kuvalin, I. - Mechanism for cleaning the sieves of the OKS-4 separators. p.23.

Ignatenko, I. - They mechanized the unloading of carcorn from railroad cars. p.24.

Lotkin, A., Is'omini, I. - Screw conveyor loader for grain. p.24.

Adnan Zubaidi. - Grain of Iraqian wheat. p.25.

Kuptsov, IU. - We have increased the production of mixed feed. p.27.

Nedozarico, N. - Trust the laboratories of grain receiving stations. p.27.

Follow-up to our materials. p.27.

Grain elevators and storages, the flour milling and mixed feed industry in Bulgaria. p.28

Tartakovskii, M. - Construction of a new milling combine in Poland. p.29.

Bardyshev, G. - Automation of proportioning by weight and estimating the expenditure of ingredients at mixed feed plants. p.30.

Fedor Ivanovich Birukov; an obituary. p.32.

Ivan Nikolaevich Okatnov; an obituary. p.32.

Brief news. p.32.

REFERATIVNYI ZHURNAL: LEGKAIA PROMYSHLENNOST' [JOURNAL OF ABSTRACTS: LIGHT INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.9, Sep. 1963. [This journal is also issued in parts.]

*RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tekhnologiia tekstil'noi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of the Textile Industry]. Moscow, no.2(33), 1963.

Table of contents translated:

Katiakhodzhaev, M.M. - Ways of increasing labor productivity in the drawing sections. p.3.

Vartanian, A.B. - Classification of workers in cotton factories. p.11.

Braslavskii, A.N., Molorin, A.M. - Capillary hysteresis in fabrics. p.14.

Nosov, M.P., Vdovichenko, A.A., Pakhomova, L.N. - Effect of the conditions of the medium on spontaneous changes in the anisotropy of unoriented nylon fibers. p.19.

Semak, B.D. - Resistance to abrasion of summer dress fabrics of various fiber composition. p.24.

Milasius, V. - Using the aerodynamic method for analyzing the pile characteristics of artificial fur. p.30.

Osipov, P.A. - Causes of the formation of twist in raw silk during the unwinding of cocoons. p.32.

Levin, V.B. - Studying the force of cohesion of stalks in a layer of retted straw. p.40.

Khomutskii, N.D. - Relative rate of drying of thin bast fiber materials. p.46.

Nazarova, V.F. - Effect of the irregular movement of a spinning machine on yarn breakage. p.55.

Levinskii, V.P. - Application of the law of probabilities distribution to flocks of various sizes p.61
Belov, M.F. - Ways of improving the performance of the back draft mechanism of spinning machines. p.67.

Molochkova, V.T. - Effect of the doubling process on the sliver splicing board on the unevenness of combed flax sliver. p.76
Gorlkov, V.K. - Irregularity in the running of the loom. p.84.
Islent'ev, P.A. - Role of fatty admixtures in sizing. p.92.
Grishin, A.I - Experimental testing of the AT-100-5 loom during starting and steady movement under various speed conditions. p.97.
Sadov, F.I., Kalinina, K.G., Nazarova, E.P. - Vat color printing of fabrics made from acetate fibers p.107.
Kharkharov, A.A., TSvetkova, V.V. - Mechanism of the dyeing of polyvinyl alcohol fibers with dispersed dyes. p.112.

Korchagin, M.V., Sikoriavaia, I.M - Investigating the dependence of the migration of acid dyes in wool on their affinity. p.119
Korolev, V.M., Ragozina, N.M - Drying of dyed cotton in a perforated drum dryer. p.125.
Vishnitakov, A.V. - Regulation of the pressure in the mozzles of spinning machine separators by the length of the central air duct. p.130.
Khranilov, P.I - Drying of fabrics by means of cold air. p.139
Pivovarov, IU.A. - Investigating the all-metal picking mechanism of the AT-1-102 loom. p.143.
Tesel'kin, P.I. - Determining the mass of the shock absorber of the loom picking mechanism. p.149.
Kel'zon, A.S., Priadilov, V.I. - Stability, passage over the critical rotation numbers and natural vibrations of high-speed spindles. p.153.
Goritskii, S.G - New theory of weaves. p.164.
Palei, B.Sh. - Priority in the derivation of the winding formula for cone winding p.168.
Bliuer, V.A. - Regulation of the rate of rewinding on bobbin precision winders p.171.

No. 3(34), 1963.
Table of contents translated:
Katsman, M.B. - Ways to increase the self interest of enterprises in establishing high indices of a plan p.3.
Baltasov, P.D. - Effect of cotton fiber compression in the mass on its characteristics in technological processes. p.7.
Koritskii, K.I. - Coefficient of utilization of the strength of the yarn in the fabric. p.10.
Komarov, B.P. - Effect of the compression of the linen fiber mass on its physicomechanical properties. p.27.
Kirilkhin, S.M - Method of "symbol" correlograms for analyzing the nature of the nonuniformity of the products of spinning. p.34.

Khomutskii, N.D. - Investigating the potential of drying in a layer of bast-fiber materials. p.41.
Landysheva, V.A., and others. - Surface acetylated cotton. Report No.1. p.50.
Bezdudnyi, F.F. - Theoretical determining of the modal staple in the tow-to-sliver spinning. p.56.
Shilova, N.I. - Studying the drafting stresses in a type "2 x 3" curved field in the processing of nonuniform blends. p.62.
Trucvisev, N.N. - Some problems in the studying of the drafting process at high speeds. p.68.
Efremov, E.D. - Motion of an elastic stretchable yarn with a uniform diameter through the tension device of the warper. p.72.

Solivanov, G.I. - Effect of the number of layers on the physicomechanical characteristics of multilayer linen weave fabrics. p.77.
Shchapov, M.A. - Reducing warp breakage in warping by means of the use of an improved design of tension weights. p.82.
Korchagin, M.V., Chachkovskaia, G.A., Shikanova, I.A. - Continuous dyeing of comber sliver. p.88.
Kovzhin, L.A., Kharkharov, A.A. - Removal of colored admixtures from active vinyl sulfone dyes. p.95.
Belov, B.I., Ustinova, E.T., Eremin, S.K. - Use of some thermoplastic resins for the preparation of nonwoven fabrics with the adhesion method. p.98.
Rebarbar, IA.M., Suslov, D.A. - Photoelectric head for reading the design pattern in the automatic cutting of jackard punched cards for looms. p.103.

Morozov, G.N. - Ways to reduce the nonuniformity of drying of linen yarn on soft-wound bobbins. p.112.
Molchanov, A.S. - Evaluating the quality of controlled drafting mechanisms. p.118.
Georgievskii, N.A. - Investigating the spindle band slip. p.126.
U I-sin' [Wu I-hsin], Ditskii, A.V. - Investigating the friction clutch in the payoff and tension of the warp in the Sulzer loom. p.132.
Grishin, A.I. - Stability of the performance of the batten mechanisms of modernized looms at high speeds. p.140.
Vinogradov, IU.S. - Possibilities and prospects of the application of mathematical statistics in the problems of textile manufacture. p.150.
Modestova, T.A., Buzov, B.A. - Concerning the textbook "Commercial study of textiles" by G.N. Kukin and A.N. Solov'ev, professors of the Moscow Textile Institute. p.156.

Mikopol'skii, B.I. - Concerning A.I.Grishin's article "Investigating the performance of the picking mechanism of the loom at high speeds. p.158.
IAzychkov, M.F., Dolgov, V.V. - Review of N.G. Morozov's article "Ways for the intensification of linen yarn drying on cross-wound bobbins " p.158

SHVEINAIA PROMYSHLENNOST' [CLOTHING INDUSTRY]. Organ of Gosudarstvennyi *komitet po legkoi* promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva legkoi promyshlennosti [State Committee for Light Industry, Attached to the State Planning *Committee* of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Light Industry]. Moscow, no.4, July-Aug. 1963.
Table of contents translated
Improve the quality of the training of specialized engineers and technicians for the clothing industry. p.1.
Nikolaeva, M.A. - The clothiers of Moscow struggle for a high-quality production. p.4
Khvostov, V.V. - Struggling for a high title. p.7
Concerning the curriculum, text books and educational aids for the commercial study of materials used in the clothing industry. p.10.
Nikolaev, M.S. - Make wider use of the means of mechanization on a small scale. p.16.
Shirinkin, K.S. - Planning of production costs in the *clothing industry*. p.20.
Chukashov, A.D. - Factory operated retail stores p.21.
Smirnova, T.I. - Fashion design in factories. p.22.
Gerasimov, B.V. - Machine for the inspection and measurement of lightweight fabrics. p.24.
Lisitsyn, D.A., Danilov, N.M. - Machinery for the processing of "porolon" fabrics in the manufacture of clothing. p.26.
Lisitsyn, D.A. - Automatic system for making photographs of the experimental pattern layout p.30.
Kromenetskii, I IA., Levina, T.N. - New factory in Moscow. p.32.
Eliseeva, V.M. - Struggle for an efficient utilization of fabrics. p.35.
Zhukovskaia, A.F. - Expand the business cooperation of industry and trade workers. p.38.
Morozova, O.K., Zabelina, G.I. - Work of the local organizations of the Scientific and Technical Society and All-Union Society of Inventors and *Efficiency Promoters. p.40.*
Queries and answers. p.42.
Information. p.43.

SLUZHBA BYTA [SERVICE INDUSTRIES]. Issued by Glavnoe upravlenie bytovogo obsluzhivaniia naseleniia pri Sovete Ministrov RSFSR and TsK Profsoiuza rabochikh mestnoi promyshlennosti i kommunal'nogo khoziaistva [Main Administration of Service Industries, Attached to the Council of Ministers of the R.S.F.S.R., and the Central Committee of the Trade Union of Workers of Local Industries and Communal Economy]. Moscow, vol.1, nos.2-4, July-Sep. 1963.

TASHKENT. TEKSTIL'NYI INSTITUT. Sbornik nauchno-issledovatel'skikh rabot [TEXTILE INSTITUTE. Scientific Research Papers]. No.15, 1962.

Table of contents translated:
Uvakov, IU.K. - Admissibility of a given group in the derivation of a system of integrodifferential equations. p.1.
Arzhanykh, I.S. - High-order kinetic equations of a rank larger than zero. p.17.
Patchaeva, M. - Structure of the kinetic pot of equations of a rank larger than zero an admissibility of a system of primitive gro four-dimensional space. p.31.
Filatov, A.N. - Multidimensional generalize series and their properties. p.45.

Akhmedov, T.D. - Use of the method of leas in solving the fundamental plane problems mathematical theory of elasticity for regi limited by closed contours. p.53.
Akhmedov, T.D. - Displacement, strain, a in plane problems in Cartesian, polar, a coordinates. p.91.
Nizamkhodzhaev, A. - Solution of the fundar problems in field theory for a sphere. p.
Nizamkhodzhaev, A. - Solution of the fundar problems in field theory for a spherical l p.125.
Alimov, A. - Shur-Arzhanykh polynomials a stability inequalities for n = 3, 4, 5, 6, '

Arzhanykh, I.S., Karimov, A.U. - Conditi existence of entire integrals, algebraic v spect to velocity, in conservative scleron systems. p.103.
Boldinskii, G.I., Zel'tin, A.I. - Maggi's e in the mechanics of systems of variable p.173.

TEKSTIL'NAIA PROMYSHLENNOST' [TEXTIL DUSTRY]. Organ of Gosudarstvennyi komit legkoi promyshlennosti pri Gosplane SSSR tral'noe pravlenie Nauchno-tekhnicheskogo stva legkoi promyshlennosti [State Committ Light Industry, Attached to the State Planni mittee of the U.S.S.R. and the Central Adv of the Scientific Technological Society of Light Industry]. Moscow, vol.23, no.8, Aug. 1963. B'16f-16g

Table of contents translated
Emulate the "beacons!" p.1.
Mochalova, T.P., and others. - As told by the participants of the All-Union Conference on Industries and Construction and of the All-Union Conference of the Foremost Workers of Communist Labor. p.4
Shmuganel', E.M. - Experiment of the textile and dry goods industry in the use of the methodology for determining the degree of labor mechanization. p.11
Kovalskii, A.V - Increase of labor productivity in the operation of flat rib-stitch knitting machines. p.15
Golubev, N.M. - From practices of a methodological management of factory research laboratories p.20.
Agroskina, S.G. - New fabrics manufactured by the Pavlovo-Posad Wool and Worsted Combine. p.23.
Vil'nina, M.A. - More about the quality and classification of fine wool p.25.
Perepelkin, K.E., Perepelkina, M.D. - Synthetic *fibers made from polyvinyl alcohol.* p.27.
Emmanuel', M.V. - Blending and straightening of fibers on roller combers p.32.
Goritskii, V.S. - Magnetic press rollers of the drawing mechanism of roving machines p.37.
Akhiskelashvili, G.I. - Analyzing the performance of the sliver forming elements of a wool comber. p.40.
Ravskii, M.I. - Fiber distributor for scutchers. p.43.
Leites, L.G. - Need for taking mutual pressure of the yarns into account in the design and construction of fabrics. p.44.
Kavokin, S.G. - Loom wastes in shuttleless weaving. p.48.
Vashetko, E.N., Zakharova, Z.V. - Effect of the performance of knotting machines on warp contortion. p.50
Goritskii, S.G. - Increasing the speed and reducing the breakage of warp cotton yarn in rewinding. p.52.
Avzuragov, A.A., Veselova, N.D. - Use of polyacrylamide for the sizing of wool warp. p.55.
Gontarenko, A.N. - Selecting the fiber length in the manufacture of artificial fur. p.56.
Dalidovich, A.S - Trends in the development of the technique of knit goods manufacture. p.58.
Smilov, I.I - Basic characteristics of artificial fur with a knit base p.62.
Cnekalin, M.A. - Reaction of active dyes with cellulose. p.67.
Sidneva, K.M., Fedorova, M.A. - New state standard for testing dye stability to physicochemical action. p.73.
Egorov, N.V., Sokolova, N.A., Chernomordik, A.Z. - Experiment in the use of "Carbazon O" preparation. p.74.
Semak, D.D. - Light resistance of summer dress fabrics made from synthetic fibers p.76.
Smirnov, G.N. - Pay more attention to the heat insulation of equipment. p.82.
Samoilov, V.P. - Use of vinyl plastics instead of metal in ventilation systems. p.84.
Mazina, E.G. - Manufacture of textile and dry goods. p.86.
Brief information on the textile industry in foreign countries. p.87.
Ornatskaia, V.A., Sellverstova, M.S. - Concerning the book "Pneumatic and hydraulic looms." p.89.
Recommended reading on shock workers and collectives of communist labor in the enterprises of the textile and knit goods industry. p.90.

B 16g Friidlender, I.G. - Static method for evaluating the dispersion of physical characteristics of machines and their parts. p 105

AKADEMIIA NAUK SSSR Sibirskoe otdelenie. Transportno-energeticheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Transportation and Power Institute. Transactions] Novosibirsk, no 11, 1962. Peredacha elektroenergii na rasstoianiia 2000—3000 km na nastroennym liniiam [Transmission of electric power at distances from 2,000 to 3,000 km using tuned transmission lines].

Table of contents translated

Shcherbakov, V.K. - Transmission of electric power at distances from 1500 to 3000 km using tuned transmission lines. p. 5
Gusev, E.P. - Efficiency of tuned electric power transmission lines. p 12
Shcherbakov, V.K., Putilova, A.I. - Intermediate power takeoff from half-wave tuned power transmission lines p 32.
Lukashov, E.S. - Special features of the operation of a synchronous generator through a half-wave tuned electric power transmission line p 42.
Dolginov, A.I. - Suppression of self-excitation in electric power transmission lines operating in a δ∑ mode. p. 50
Lukashov, E.S., Kolotilova, D.G. - Consideration of transients in a half-wave tuned line in studying the self-excitation of the generator. p. 54.
Karymov, R.G. - Static stability of tuned electric power transmission lines. p 61
Khalevin, V.K. - Dynamic stability of half-wave tuned power transmission lines p 67.
Shcherbakov, V.K., Kaskrevich, E.P. - Nonsymmetrical steady-state conditions in untuned electric power transmission lines p. 75
Kolotilova, D.G. - Decrease in expenditures on tuning systems by utilizing the reactive power of the generator. p. 88
Shcherbakov, V.K., Ol'shevskii, O.V. - Engineering and economic indices of tuned electric power transmission lines. p. 95.
Kholmskii, D.V. - Features of an optimum regulation of voltage and reactive power in superlong compensated and tuned electric power transmission lines. p. 103.
Alekseenko, G.E., Tolpygo, O.B - Steady-state conditions of compensated electric power transmission lines with intermediate power takeoff. p 116.
Borisov, R.I. - Choice of optimum parameters of compensating devices for a long distance power transmission line coupled with intermediate systems p. 126.
Taglov, M.A - Some laws governing electric power transmission lines with supporting synchronous compensators p. 126.
Trofimenko, D.E. - Modes of operation and economic indices of 1500 to 2500 km, long a.c. power transmission lines with 600 to 800 kv ratings p. 131.
Pospelov, G.E. - Determination of the economic parameters of an a.c. power transmission system p 141.
Filimonov, A.N., and others - Positions taken in debates and discussions p. 150
Resolution adopted on February 2, 1961 by a conference on electric power transmission at distances of 2,000 to 3,000 km using tuned transmission lines. p. 169.
Bibliography on half-wave tuned power transmission systems. p. 171

AVTOMOBIL'NAIA PROMYSHLENNOST' [AUTOMOBILE INDUSTRY]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R.] Moscow, vol.29, no.9, Sep. 1963.

Table of contents translated

Sukhopol'skii, V.N. - New methods for metal-chip removal and coolant cleaning. p 1.
Lukanin, V.N. - Reducing combustion noise in diesel engines. p. 5.
Zaichenko, E.N., Kapralov, B.I. - Comparison of fuel efficiency of motor-vehicle engines by testing results. p. 9.
Bagrov, G.M. - Design of the turning of steerable wheels at various positions of the motor-vehicle suspension. p. 11.
Savvushkin, E.S., Kurvtev, V.F. - Natural vibrations in the longitudinal plane of the tractor-semitrailer system. p. 14.
Bukhin, B.L. - Calculating rubber-cord elastic elements of air-spring suspension of motor vehicles. p. 15.
Antonov, D.A. - Analyzing motion steadiness in designing motor vehicles. p. 18.
Akhmedov, A.N. - Using electronic digital computers in analyzing traction properties of a motor vehicle. p. 23.
Liubushkin, V.V., Rozanov, V.G. - Improving a braking system with pneumatic driving. p. 26.
Shteinberg, A.S. - Air cooling of the spark-plug spiral in the combustion chamber of a gas-turbine engine. p. 28.
Sergeev, N.M., Turanenko, P.I. - Odometer with a variable recording scale. p. 32.
Basov, M.I. - Manufacture of steel piston rings based on over-all automation of technological processes p 34.
Il'inskii, A.S. - Pneumatic unit for the assembly of stuffing boxes. p. 36.
Evgrashin, A.A. - Universal pneumatic conveying of bulk material to the working space of presses p. 39.
Kalashnikov, G.I. - Mechanical conveying of billets from the heating furnace to the dies. p 40.
Furshtein, IA.N., Gotlieb, B.IA., Kruchina, S.K. - High-temperature natural-gas cementation. p.41
Borodina, A.P., Prochko, V.I. - Using mathematical statistics methods in controlling production expenses p. 42.
Gorelik, A.M., Baranov, A.A. - Regulator of body position for air springs p. 44
Malorov, E.S. - Czechoslovakian urban motor buses p 46.
Fomin, P.S. - Review of P.M. Khel'dt's book "Automobile clutches and gearboxes." p. 48
New books. p 3 of cover.

ELEKTRICHESKAIA I TEPLOVOZNAIA TIAGA [ELECTRIC AND DIESEL LOCOMOTIVE TRACTION]. Organ of Ministerstvo putei soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol.7, no.6(78), June 1963.

Table of contents translated

Salambekov, B.K. - The workers of the Western Siberian Railroad are competing for the right to be called "an enterprise of communist labor." p.1.
Gel'dfel'd, B.S., TSkhadadze, G.O. - Collectors with plastic hulls for use in electric machines. p. 5.
Cherdnichenko, P.M. - Persistently strive to improve the TE3 diesel locomotive. p. 7.
Fuks, N.L. - How to prevent inverse current flow in contact network systems. p. 8.
Levenets, N.I. - A dynamic efficiency expert. p. 9.
Kalmykov, A.P., Makarov, M.S. - Improvement of M753 and M750 diesel locomotive engines. p. 10.
Bedenskii, O.N. - Use of an epoxy paste in the repair of cylinder blocks. p. 11.
Bezruchenko, V.N., Vavchenko, V.K. - Switching of transformer winding stages using a resistance. p. 12.
Pochaevets, E.S. - Simplified rectifier grid protection network. p. 13.
Lavin, V.N. - Good maintenance of locomotives is the basis for their operational efficiency. p. 14.
Kotov, I.G., Turkovskii, I.A. - Improvement of a mercury rectifier firing system. p. 16.
Khmelev, G.L., Korotkikh, V.M. - Portable device for checking the operation of automatic cab signaling equipment. p. 17.
Shadevskii, N.I. - Improved fan drive of a cooling unit. p. 18.
Kroshka, S.N. - Regulator of the angular velocity of the shaft of the 2D100 diesel. p. 19.
Lerner, B.M., Lebedev, V.P. - Electrical network of a three-shaft D-series diesel train. p. 21.
Chernov, A.I., Belov, B.A. - New electrical apparatus of the VL60 electric locomotive. p. 28.
Sentushkin, IU.V., Rogov, V.T., Chilikin, G.A. - Practical recommendations on the ChS2 electric locomotive. p. 31.
Prokof'ev, V.I. - Faults occurring during the start of the engine of the VME1 diesel switch locomotive. p. 33.
Gol'dvarg, S.Sh. - Lessons learned last winter. p. 34.
Lukin, V.N., Vladimirov, A.N. - Simple method for converting to one section operation on the VL8 electric locomotive. p. 35.
Privalov, V.V., Kondrat'ev, A.I., Khatkovich, G.N. - Reply to the inquiries of our readers. p. 37.
Bove, E.G. - Permissible sensitivity of a slippage relay. p. 38.
Novikov, A.F. - Testing and checking of electropneumatic brakes. p. 41.
Beliaev, I.A. - Preparation of a contact network for high-speed traffic. p. 44.
Dilenko, A.P. - "Electric locomotive manufacture" published by the Electric Locomotive Scientific Research Institute. p. 46.
Zabrodin, V.A. - Belgian electric rolling stock. p. 47.

No. 7(79), July 1963.

Table of contents translated:

We will put into practice the resolutions of the June Plenum of the Central Committee of the CPSU. p. 1.
Poliakov, M.E., Batik, V.D. - Devices which increased the operational safety of the VVN-220 air-filled circuit breakers. p. 3.
Kodintsev, I.F. - Type TRE-1 temperature relay for a.c. locomotives. p. 5.
Grinio, V.A., Klimov, N.N. - Rubber packing cup for conditional No. 222 brake valve. p. 6.
Generalov, V.A - Simplified stationary system for washing diesel locomotives. p. 7.
Entenzon, M.M. - Setting of the fuel filters of TEM1 diesel locomotives. p. 8
Topchishvili, I.A. - Constantly improve labor protection and safety engineering. p. 9.
Parkhot'ko, V.T., Khotynenko, V.M. - Our methods for training specialists for the new types of traction. p. 11.
Belobrov, N.A. - Repair of the inverse firing protectors for the ignitions of electric locomotives p. 12.
Verteľnikov, P.U - Device for filling slotted storage batteries with the battery solution p 12.
Pinchuk, F.G - His work serves as an example p 13
Barbinov, A.N - Useful improvements in the traction control systems for electric power supply p 14
Tumanov, N.N. - Method for analyzing dry lubricating graphite. p. 16
Savichev, V.S. - Improving the technology of gear fitting. p. 16
TSelebrovskii, IU.V. - Shortcomings of the interlocking circuit of the feeders of automatic block signaling systems p 17
Kobidze, G.K - New design of the intersectional coupling of the electric network of the VL8 electric locomotive p 18
Vasil'ev, I.G - Transformerless transistor photoelectric relay. p. 19
Kozlov, A.S - Reconditioning of worn-out parts by means of electrolytic steeling p. 20.
Kutser, M.A. - Some modifications of the electric circuit for the VL60 electric locomotive p 22
Bibikov, IU.S - Factory modernization of the TGM1 switcher diesel locomotive p. 24.
Senkushkin, IU.V., Rogov, V.T., Chilikin, G.A. - Practical recommendations on the ChS2 electric locomotive. p. 27
Kuzanov, O.N - Method for checking the control circuits of TE3 diesel locomotives p 30
Cherlenkov, V.P. - How to detect and eliminate failures of the voltage regulator. p. 30
Nasyrov, R.A. - What causes the uneven power distribution between the crankshafts of the 2D100 diesel locomotive? p 32.
Ivanov, A.M., Egorov, N.K. - What causes the demagnetization in the generators of the coupled systems of electric locomotives and multiple-unit trains? p 34.
Shtein, V.P., Kostin, N.A - Static charge system of the series K electric locomotive p. 37.
Perel'man, IU.Z., Osika, K.P., Rovenskii, IU.V. - Modified design of the fan drive of the 11D1 diesel locomotive. p 40.
Answering readers' queries. p. 41.
Letter to the editor. p. 44.
Sal'nei, A., Rzhezhabek, L. - Load compensator for an electric-diesel unit. p. 45.
Ugarov, I.P. - Experience in the use of crude oil for diesel locomotive engines p 47.

No. 8(80), Aug 1963.

Table of contents translated

Expand the competition for communist labor. p 1
Velikii, A.I., Kuzanov, D.A. - Experience in the operation of passenger electric locomotives on lengthened haul distances p 4
Generalov, A.I. - Use of epoxy resins in the repair of diesel locomotives. p. 6.
Martynov, B.F - Melting ice loads on the overhead contact systems without traffic interruptions p 8
Rakhmatulin, M.D., Medvedev, G.G - Improving the technology for the assembly of the piston and connecting rod block of the 2D100 diesel locomotive. p. 10.
Suvorov, IU.S. - Efficient device. p 12.
Khlipunov, A.M., Shestakov, A.D., Shepilov, M.E - On method to secure an accurate performance of the regenerative braking circuit of the VL8 electric locomotive, from the practice of the Zlatoust Depot of the Southern Urals Railroad p. 13.
Kovanev, B.V. - Reconditioning of the high-pressure fuel pipes. p 17.
Ovlasiuk, V.IA. - Putting into practice the remote control of power supply systems p. 18.
Smirnov, A.P., Vologzhanin, IU.N. - Traction substations without personnel on duty p. 18.
Gunchenko, G.A. - Improving the performance of the MP-2 drive. p. 20.
Bachuk, S.A. - Indicators of clamp heating in the overhead contact systems. p. 21.
Levitskii, A.L. - Facts to be considered in the revision of safety regulations. p. 22.
Gudkov, V.M. - Efficient method for checking the oil system of type M753 diesel locomotive. p 24
Valuev, V.IA. - Some practical advice on the repair of the traction engines for electric locomotives. p. 25.
Galkin, V.G. - Method for the control of the position of the neutral in NB-406 traction engines p. 27.
Firsov, V.D. - Two-way braking of the tramcars. p. 28.
Antonov, E.A. - Improving the electric equipment and circuits of d.c. trains. p. 28.
Bratukhin, M.N. - Some advice on the operation of the TE3 diesel locomotive. p. 33.
Shumakov, V.A. - What to do in case of the damage of low-voltage wires on a VL8 electric locomotive p. 34.
Vinogradov, A.S., Osminnikov, A.M. - Recommendations on the maintenance of the distribution panel board of the ChS1 electric locomotive. p. 36.
Gurevich, A.N. - Torque vibrations of diesel shafts. p. 37.
Answering readers' queries. p. 40.
Letter to the editor. p. 41.
Puftianskii, N.A., Polda, A.A., Egunov, P.M. - High-temperature cooling of diesel locomotive engines p. 42.

Rozov, S.S. - Remotely controlled protection of a.c. overhead contact systems. p. 46.

ENERGOMASHINOSTROENIE [POWER MACHINERY CONSTRUCTION], Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol. 9, no. 6, June 1963

Table of contents translated:

Dukovskii, I.E. - Method for calculating beater mills with gravitational separators. p. 1.
Shvartsman, S.M. - Optimum distribution of heat sensitivity between the components of terminal heating surfaces of boiler units. p. 5.
Frank-Kamenetskii, G.Kh. - Calculation of round plates strengthened by radial ribbing. p. 11.
Osherov, IU.S. - Study of the temperature fields of the rotor and hull of the GT-700-4 NZL turbine. p. 14.
Tolopov, A.A., Makivchuk, V.F. - Calculation and choice of the circuit of a supercharged diesel engine with constant gas pressure before the turbine. p. 18.
Kostiuk, A.G. - Varying temperature field and stresses in cooled gas-turbine disks. p. 20.
Zhuz'ko, M.P. - Consideration of strength in the design of the banding of the moving blades of steam turbines p 23.
Korneev, M.I., Drobot, V.P. - Block-type steam-gas system with 200 Mw. rating. p. 26.
TSukerman, R.V., Nikonov, A.P., Bykov, V.M. - Operational reliability of high-pressure boiler and turbine equipment. p. 27.
Maizel, A.M. - Multipositional nut driver for large thread units. p. 30.
Zakharov, A.A., Ivanov, A.A. - Effect of ovality on the long-term strength of bent pipes. p. 33.
Barskii, I.A. - Improvement of the accelerating ability of a two-shaft gas turbine transport engine using nozzle control of the power turbine. p. 35.
Gel'fenbein, S.Kh. - Testing of a gas turbine system with a free-piston gas generator. p. 37.
Conference on the design of welded structures. p. 38.
Tiutiunovskii, D.M., Malorskii, E.V. - Study of turbine cascades in a steamplpe. p. 39.
Pavlovskii, G.I. - Additional steam heating of the cylinder of a steam turbine. p. 40.
Remarks on I.G. - Maksimov's article "Graphical method for calculating heat exchange through the wall between condensing steam and a boiling liquid." p. 41.
Vasin, L.V. - Trends in the development of diesel engines abroad. p. 43.

KUZNECHNO-SHTAMPOVOCHNOE PROIZVODSTVO [FORGING AND STAMPING]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR and Nauchno-tekhnicheskoe obshchestvo mashinostroitel'noi promyshlennosti [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R., and Scientific Technological Society of the Machinery Industry]. Moscow, vol. 5, no. 5, May 1963.

Table of contents translated

Rabinovich, L.A. - Establishing thermomechanical conditions for plastic deformation and the forming of metals. p. 1.
Demidov, L.D. - Heat treatment during the reconditioning of hammer dies p. 6.
Meshcheriin, V.T., Trusov, V.A. - Investigating the mechanics of the process of cutting a round rod. p. 8.
Malkin, B.M. - Machining punches for the blanking of rotor and stator iron. p 11.
Chukmasov, S.V., Zazimko, A.I. - Vibropressing of lightweight metal scrap. p. 14.
Komarov, A.D. - Determining the magnitude of elastic springback in the rubber pad process of bending curvilinear flanges. p. 18.
Basiuk, S.T. - Universal die for determining conditions for stretch forming. p. 21.
Brandenburgskii, M.G., Kottlarenko, I.IA., Levertov, V.M. - Automatic control of industrial processes on hydraulic presses with respect to the function of time. p. 22.
Kononenko, V.G., and others. - New impact testing machines for rapid mechanical testing of materials. p. 27.
Gusev, A.N., Zarubin, S.S., Bogdanov, I.I. - Press for the semiautomatic upsetting of bolt heads. p. 32.
Makhnev, I.F., Babushkin, A.K. - Concerning N.S. Lebedev's article "Standardization of forge furnaces." p. 38.
Shteinman, V.V., Makin, A.A. - Universal feed of strips and bands by tongs with pneumatic drive. p. 41.
Miropol'skii, IU.A., Varlamov, N.S. - High-speed motion-picture photography in investigating processes and equipment for forging and die stamping. p. 43.
TSindlekht, I.V. - Die stamping of parts with a local increase in sheet thickness. p. 47.
Kutyrin, V.V. - V-belt instead of cast iron rings. p. 49.

Vol. 5, no. 7, July 1963.

Table of contents translated:

Navrotskii, G.A. - Technological use of multiple-stage automatic presses for cold upsetting p. 1
Generson, I.G. - Technological variant of disk forging from ingots of elongated shapes. p. 8.
Shifrin, M.IU., Pimenov, A.R. - Barrel shape forming during the upsetting of hollow blanks p. 13
Konev, L.G. - Utilizing the peculiarities of a crank - connecting rod mechanism. p. 15.
Levitin, I.IA. - Analyzing the durability of forging hammer rods p. 18
Karmatskii, IU.I. - Automatic hydraulic press for the sectioning of round rolled metal products p. 21
Nikiforov, V.P., Kuroedov, V.A. - Heat transfer in the working area of a regenerative furnace for nonoxidizing heating. p. 26
Krokha, V.A., Protopopov, O.V., Bakhovkin, A.M. - Analysis of the technological and economic indices of gear wheel forging with finishing of the gears p. 31
Bel'chenko, A.IA. - Die for the simultaneous cutting of three different blanks. p. 36
Baskein, V.V., Duzhenkova, N.V. - Mechanical arms for 4000-ton presses. p. 37.
Borinskii, M.L. - Some examples in the use of progressive mechanisms p. 38
Smolenskii, B.L., Rokhlenko, M.A. - Semiautomatic control of the dinking and cogging of self-centering nut slots. p. 40.
Degterev, A.S., Shcherbakov, N.V. - Using pneumatic elements in sheet metal working dies. p. 11
Review by S.L. Zlotnikov and G.N. Rovinskii of M.M. Tomarov's book "Safety measures in sheet metal die stamping." p. 45.
Review by I.S. Voklov, and G.N. Rovinskii on V.I. Kukhtarov's book "Sheet-metal work." p. 46.
The "Mashgiz" publishing house is 25 years old. p. 48

Vol. 5, no. 8, Aug. 1963.

Table of contents translated.

Ideology and style of work of a Soviet specialist. p. 1.
Mansurov, A.M. - Designing plants for mass and large-batch production of forgings. p. 2.
Filimonov, IU.F., Mikhailenko, G.P. - Bilateral reduction of stepped shaft billets. p. 7.
Shifrin, M.IU., Pimenov, A.R. - Piercing rectangular ingots in a round container. p. 11
Nikol'skii, L.N., and others. - Experience in and ways of introducing rotary swaging for further forging. p. 15.
Popov, E.A. - Analyzing the drawing process with preheating of the flange. p. 18.
Kazakov, IU.P., Serep'ov, V.V. - Developing an efficient design of ZIL cooler parts p. 21.
Trofimov, I.D. - Modern multiposition upsetters and means of their efficient use. p. 24.
Bocharov, IU.A. - Using pressure transmitters in the testing of hydraulic presses. p. 29.
Chukmasov, S.I., Litvishkov, V.I. - Experimental determination of forces acting on the protective plates of A413 and A411 automatic cold headers p. 31.
Efros, M.M. - New furnaces for the nonoxidizing heating of steel and the results of their investigation. p. 33.
Perevozchikov, B.S., Kovalenko, V.F. - Mechanization and automation of press forging operations p. 38.
Beliaev, V.A. - Mechanisms for shifting billets in 12VA-6, 12VA-10, 12VA-12 cold headers. p. 43.
Zhuravlev, IU.A. - Conveying machinery in forge shops. p. 45.
Skliarov, N.S. - Dies for the bending of sheet steel parts. p. 46.
Elpidin, B.P. - Seminar on press forging. p. 47.
Glushkov, V.N. - Scientific technological conference "Progressive methods of metal heating before forging and die stamping and the efficient design of heating arrangements." p. 48

MASHINOSTROITEL' [MACHINE BUILDER]. Organ of Nauchno-tekhnicheskoe obshchestvo mashinostroitel'noi promyshlennosti [Scientific-Technological Society of the Machinery Manufacturing Industry]. Moscow, no. 7, July 1963.

Table of contents translated:

Irresistible movement of our times. p. 1.
Grigor'eva, K. - Worker's conscience. p. 3.
Sofronova, N. - Man outstripping time. p. 5.
Guseva, V.A., and others. - Analog control systems for drilling machines. p. 6.
Bondarenko, IU.N. - Monorail truck. p. 8.
Segal, L.S. - Automation of the storeroom. p. 9.
Shekhets, V.P., and others. - Semiautomatic machine for testing disk springs. p. 10.
Kellerman, P.M. - Automatic machine for cutting and bending. p. 11.
IAkovlev, A.I. - Equipment within the working area of a repairman. p. 12.
Gvozdev, M.S. - Welding flaws in nonferrous-alloy castings. p. 14.

Kuznetsov, N.D. - Improvement of fractionating columns p. 15
Semenov, A.P. - Antifriction materials containing polytetrafluoroethylene p. 16
Efremov, S.I. - Plastic dies p. 17
Volop'ianov, V.A. - The 7B510 horizontal broaching machine p. 19.
Kuznetsov, IU.I. - Attachments with a hydraulic fastening drive. p. 20
Epifanov, K.P. - Mandrel with a disk cutter. p. 20
Rastorguev, M.A. - Wrench with a changing span p. 22
Gol'dberg, IU.I. - Engraving device. p. 23.
Pistunovich, R.K. - Billet cutting machine p. 23.
Rokhlenko, M.I., Smolenskii, B.L. - New dynamometers. p. 24
Shyfkin, V. - Secondary use of medical instruments. p. 25
Gil'dinson, E.M. - Device for lapping angle templets p. 25.
This could be used in your enterprise p. 26.
Kovalenko, V.G. - Die-casting mold for molding plastic parts p. 28.
Ioffe, V.M. - New design of cutters. p. 28
Dmitrievskii, I.B. - Attachment for milling pinion shaft teeth p. 29.
Volkov, V.G., Gribkov, V.A. - Introducing standard adjustment for automatic turret lathes. p. 30.
Volkov, M.M. - Rolling billets for hobbing cutters. p. 33
Zal'ts, A.S., Oks, G.Kh., L'vov, P.A. - Improving the design and technological documentation p. 34.
Golovko, IA.V. - Difficulty obtainable materials should be saved. p. 35
Kunikov, A.A., Shashunov, I.S. - Improved unit for the protection of the respiration area when working in closed spaces p. 36
Sukhorukov, IA.A. - Here are the results of inspection. p. 38
All-Union public inspection. p. 40
Sadovnikov, V.A. - Information research is an urgent objective. p. 42
Twenty-fifth anniversary of the State Publishing House of Literature on Machinery. p. 43.
Attachment for machining small holes. p. 44.
Cutting tools for boring large holes p. 44.
Adjustable eccentric turning or grinding fixture p. 45.
Ulina, IA.A. - Technical handbooks for workers. p. 46.
Rabinovich, E.Z. - Faulty edition p. 47.

MOSCOW. EKSPERIMENTAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT KUZNECHNO-PRESSOVOGO MASHINOSTROENIIA. (Nauchnye trudy) [EXPERIMENTAL SCIENTIFIC RESEARCH INSTITUTE FOR PRESS FORGING IN MACHINERY MANUFACTURE] (Studies) Moscow, vol. 6, 1963. Raschet i konstruirovanie kuznechno-pressovykh mashin [Design and construction of forging machinery and power presses].

Table of contents translated:

Markovich, B.N., Mel'nikov, A.K. - Performance of the flywheel and electric motor on crank presses with adjustable drive. p. 3.
Kunakovskii, V.IA., Baskakov, S.T. - Selecting an optimum rigidity of coining presses. p. 22.
Baskakov, S.T., Kunakovskii, V.IA. - Calculating the deformations of crank-toggle presses. p. 33.
Vasil'ev, N.N. - Calculating the performance of electric drives on power presses operating with multiple-impression dies p. 47.
Miropol'skii, IU.A., Vorob'ev, A.P. - New design of the transfer mechanism on automatic nut-upsetters. p. 52.
Shablinskii, E.P. - Methods of determining the accuracy of the performance of automatic feed mechanisms for strip material. p. 60.
Shashkin, I.A. - Wood packing for hydraulic presses and pumps. p. 70.
Kononov, I.V. - High pressure relief valves p. 81.
Bronin, G.K. - Investigating leaks in slide valve pairs. p. 105.
Kononov, I.V., Shneiberg, V.M. - Control mechanism for steam-or air-lift drop forging hammers. p. 118.
Azriliant, E.A. - Determining the parameters of hammer oscillations on a vibration-proof foundation. p. 129.
Azriliant, E.A. - Methods of calculating vibration-proof foundations under hammers. p. 135.
Navarenko, E.S., Salov, V.P. - Increasing the number of slide strokes per minute in modernizing mechanical presses p. 141.
Trifonov, N.S. - Using photoelectric intrusion detectors on crank presses. p. 161.
Astashov, A.F. - High-strength cast iron crankshafts for forging machines and power presses p. 168.
Remikh, I.A. - Flexible linkage in the system motor - flywheel and its effect on the performance of electric driving. p. 187.
Using a template for the calculation of electric drives for crank presses with a nonlinear mechanical characteristics of the electric motor. p. 201.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF RAILROAD TRANSPORTATION. Transactions]. No. 258, 1963. Primenenie ustroistv

B 16g avtomatiki, vychislitel'noi tekhniki i sviazi pri ekspluatatsii zheleznykh dorog [Use of automatic control, computer techniques, and communications in railroad transport].

Table of contents translated:

Kutyev, G.M. - Use of the information theory in the analysis of control processes in operational work on railroads. p.4

Martynov, I M. - Calculation of an optimum alternative for an operational plan in organizing local car traffic using electronic calculating machines p.37.

Kutyev, G.M., Martynov, I M. - Experimental calculations of an operational plan in the work of the Information and Accounting Center of the Tyumen railroad sector. p.72.

Tregubov, G.G - Solution of problems in planning operational work in railroad transport using linear programming techniques on a digital computer. p.94.

Ilovaiskii, N.D. - Algorithm formulation for the control of work processes in hump yards. p.130.

Lashutin, B.V. - Effectiveness and use of various passing point CTC systems on single-track lines. p.175.

Kolotii, P.G. - Increase in the effectiveness of operational communication systems in sectional stations. p.232.

No 261, 1963. Bezkontaktnye elementy v skhemakh avtomatiki i teleupravleniia ustroistv energosnabzheniia [Contactless elements in the automation and remote control systems of electric power supply].

Table of contents translated:

Foreword. p.3.

Ovlasiuk, V IA., Sukhoprudskii, N.D. - Reliability of the performance of modern electronic systems of automatic control. p.4.

Sokolov, S.D. - Methods for determining the reliability of electric apparatus during testing. p.47.

Ovlasiuk, V.IA., Sukhoprudskii, N.D., Trifonov, L.I. - EST-62 remote control system. p.55.

Bulatov, T.A. - Contactless devices of program and power supply automatic control systems with a short circuit tester for traction substations p.80.

Grin'kov, B.N. - Automatic switching of mercury arc rectifier units of a traction substation dependent on the load. p.103.

Ivanova, V.I. - Integrator for the measurement of eddy currents. p.118.

*PRIBOROSTROENIE [INSTRUMENT MANUFACTURE] Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva priborostroitel'noi promyshlennosti [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific and Technological Society of the Instrument Industry]. Moscow, no.7, July 1963.

Table of contents translated.

Afonin, V A , Temnikov, F.E. - Pneumatic multiplier circuit. p.1.

Krassov, I M. - Power potentialities of hydraulic control systems. p.3.

Ivlichev, IU.I., Iamiev, E.A. - Reduction of the reactive jet action on the control element. p.6.

Nedviga, P.IA., Striapan, N.IA. - Ratiometer with nonelectric counteractive moments. p.9.

Zhdanov, L.V. - Parallel conversion of reflected codes to conventional ones. p.10.

Bykov, L.N. - Flip-flop current converter. p.12

Antonenko, V.T. - Automatic control of proportioning metal charges. p.15.

Ariste, A.P , Vel'me, E.E., Tisler, IU.A. - Automatic control unit using transistor elements for diesel generators. p.16.

Parnes, M.G. - Mechanization devices. p.19.

Lipatov, E.G. - Double pneumatic pressing head for die-casting machines. p.22.

Brudnik, S S., Taran, V.A. - Practical methods for the determination of optimum reliability. p.23.

Korotkov, V.P. - Introduction of the International System of Units in the U.S.S.R. p.25.

Taraian, S.G. - The M97 microammeter. p.28.

Dzhaparidze, T.D. - The VM-3 device for a rapid determination of the moisture content in flour. p.29.

Petrov, A.M. - Improving the reliability of the MRShchP-54 regulating millivoltmeter. p.30.

Kriftman, A.E. - Converting the EMP-209 automatic single-scale electronic bridge to a two-scale one. p.30.

Twenty-fifth anniversary of the State Publishing House of Literature on Machinery. p.31.

New books. p.32.

Articles from periodicals published in 1962. p.3 of cover.

No.9, Sep. 1963.

Table of contents translated:

Pigin, S.M. - Structural measures for increasing the stability of electrostatic instruments. p.1.

Cherepanov, A.I. - Evaluating the error in the design of processes of simple two-position control. p.4.

Kliuev, A.S. - Improving static and dynamic characteristics of hydraulic jet controllers with a secondary amplifier. p 6.

Ivlichev, IU I. - Static and dynamic linearization of pneumatic units p 8.

Golubev, L.A., Gorenshtein, L M - Method of accelerated division of binary numbers using a digital computer. p 10

Ustimenko, V.N., Shprits, E.I. - Transistorized volts-to-code converter p 12.

Prusenko, V S - Selecting the drive of the control element in a pneumatic control system. p 14

New books pp 16, 3 of cover

Skuridin, V.P. - Analog-to-code converter of parallel reading with arithmetic output. p 17.

Kalatozishvili, N.I , Slovinskii, K N - Use of a binary-decimal code in case of a digital reading in a pulse-code telemetering system p 18

Deineko, V G - Increasing the productivity of machining parts on automatic lathes p 20

Ivantsova, N P - Economic effectiveness of the mechanization and automation of finishing operations in the manufacture of electric instruments p 23

Mironov, V.D. - Development of automatic regulators designed by the All-Union Heat-Engineering Institute. p 25

Preobrazhenskii, A A - Expediency of the use of a two-layer iron-permalloy magnetic screen. p.27.

Cherniakov, A I - The ESU-2 two-range electronic level indicator p.28.

Karbe, IU V - New instruments. p.29.

Vsevolozhskii, L.A. - Improvement of the output control system for the DN-21 batcher. p.30

Bonvech, V.E - Device for determining the dew-point temperature of flue gases p.31.

Smirnov, N A., Smolov, V.B - A good manual on digital computers. p 32.

REFERATIVNYI ZHURNAL: AVTOMOBIL'NYI I GORODSKOI TRANSPORT [JOURNAL OF ABSTRACTS. AUTOMOTIVE AND CITY TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 9, Sep 1963. [This journal is also issued in parts.]

REFERATIVNYI ZHURNAL: DVIGATELI VNUTRENNEGO SGORANIIA (Otdel'nyi vypusk 39) [JOURNAL OF ABSTRACTS: INTERNAL COMBUSTION ENGINES (Separate Issue 39)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 9, Sep. 1963.

REFERATIVNYI ZHURNAL: MASHINOSTROITEL'NYE MATERIALY, KONSTRUKTSII I RASCHET DETALEI MASHIN (Otdel'nyi vypusk 48) [JOURNAL OF ABSTRACTS: MATERIALS FOR MACHINERY MANUFACTURE AND THE DESIGN OF MACHINE PARTS (Separate Issue 48)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 9-10, Sep.-Oct. 1963.

REFERATIVNYI ZHURNAL: TEKHNOLOGIIA MASHINOSTROENIIA [JOURNAL OF ABSTRACTS: TECHNOLOGY OF MACHINERY MANUFACTURE]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 9, Sep. 1963.

REFERATIVNYI ZHURNAL: TOCHNAIA MEKHANIKA, OPTIKA I ISPYTATEL'NAIA APPARATURA (Otdel'nyi vypusk 40) [JOURNAL OF ABSTRACTS: PRECISION MECHANICS, OPTICS, AND TESTING APPARATUS (Separate Issue 40)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 10, Oct. 1963.

REFERATIVNYI ZHURNAL: TRAKTORY I SEL'SKOKHOZIAISTVENNYE MASHINY I ORUDIIA (Otdel'nyi vypusk 44) [JOURNAL OF ABSTRACTS: TRACTORS AND AGRICULTURAL MACHINERY AND EQUIPMENT (Separate Issue 44)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 9, Sep. 1963.

REFERATIVNYI ZHURNAL: TRUBOPROVODNYI TRANSPORT (Otdel'nyi vypusk 45) [JOURNAL OF ABSTRACTS: PIPELINE TRANSPORTATION (Separate Issue 45)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 10, Oct. 1963.

REFERATIVNYI ZHURNAL: VOPROSY TEKHNICHESKOGO PROGRESSA I ORGANIZATSII PROIZVODSTVA V MASHINOSTROENII (Otdel'nyi vypusk 36) [JOURNAL OF ABSTRACTS: PROBLEMS OF TECHNOLOGICAL PROGRESS AND THE ORGANIZATION OF PRODUCTION IN THE MACHINERY INDUSTRY (Separate Issue 36)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 9, Sep. 1963.

REFERATIVNYI ZHURNAL: VZAIMODEISTVIE RAZNYKH VIDOV TRANSPORTA I KONTEINERNYE PEREVOZKI (Otdel'nyi vypusk 31) [JOURNAL OF ABSTRACTS: CONTAINER SHIPMENTS AND THE INTERACTION OF VARIOUS TYPES OF TRANSPORTATION (Separate Issue 31)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 9, Oct. 1963.

RUSSIA (1923- U. S. S. R.) Ministerstvo putei soobshcheniia. TSentral'naia nauchno-tekhnicheskaia biblioteka. Literatura po zheleznodorozhnomu transportu [Ministry of Railroad Transportation. Central Technological Library. Literature on Railroad Transportation] Moscow, vol. 12, no. 8(1960 g.), 1961.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, priborostroenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Instrument Manufacture]. Moscow, vol. 6, no. 3, 1963.

Table of contents translated:

Shtamberger, G.A. - Separate measurement of complex-magnitude components by balancing methods. p.3.

Korzhavin, O.A. - Investigating an inductive converter with a laminated magnetic circuit. p. 10.

Shvegzhda, O.S. - Errors of a rectifying power converter caused by the distortion of the current and voltage curve form. p. 19.

Litvinov, A.P. - Taking lagging into consideration in the synthesis of an automatic system with a digital control computer. p. 26.

IAkovlev, B.S. - Method for the analysis of automatic control systems by means of nomograms. p. 36.

Gurevich, A.L., Rusinov, L.A. - Controlled generators of time intervals. p 45.

Afonchikov, V.S., Krugiov, A.A., Mikerov, A.G. - Decatron equipped devices for discrete counting of electric pulses. p. 55.

Sokolov, V.V. - Stability of the conditions of electric circuits with negative resistance element. p. 64

Litvin-Sedoi, M.Z. - Swings of a gyroscopic pendulum with a movable fulcrum in a nonuniform gravitational field. p. 66.

Bogdanovich, M.M. - Ballistic deviations of a gyrocompass having no velocity deviation. p. 77.

Slomianskii, G.A. - Determination of the drift of an integrating float gyrocope without the use of a dynamic stand. p. 85.

Akselrod, Z.M. - Investigation of an electromechanical escapement with a potential drive. p. 90.

Mel'nikov, G.I. - A method for investigating controllers with viscous friction. p. 107.

Rusinov, M.M. - Calculation of an aplanatic system composed of two nonspherical surfaces of a higher order. p. 115.

Dmitriev, A.P. - Using special charts for designing isoplanatic systems. p. 119.

Cherkasov, V.N. - Theory of thermal conditions of low-power transformers. p. 124.

Lebedev, P.A. - Determining the displacements of mechanisms with contacting levers. p. 134.

Gurevich, L.I. - Using specimens with variable cross section for determining the strength of brittle materials. p. 143.

Luzhnikovskaia, M.A. - Errors in the shape of parts machined on lathes with radial feed. p. 149.

Sgibnev, M.N. - Photoelectric device for the control of a vacuum unit. p. 161.

*STANKI I INSTRUMENT [MACHINE TOOLS AND THEIR CUTTING TOOLS]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee, and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, vol.34, no.7, July 1963.

Table of contents translated:

Etin, A.O., Grachev, L.N. - Use of contour and multicut machining. p.1.

Shmuter, S.L. - Specification of the technical characteristic and selection of rate conditions in designing longitudinal milling machines. p. 7.

Bol'shakov, M.M. - Reinforced-concrete bed of the 1660 heavy lathe. p.12.

Rabinovich, I.Sh. - Superfinish heads with a pneumatic oscillation drive. p.14.

Gebel', I.D. - Pneumatic mechanism for the superfinish of ring grooves of high-precision ball bearings. p.17.

Shal'nov, V.A., and others. - New method for finish machining of parts made of nonmagnetic materials. p.20.

Al'tshuller, A.N. - Criteria of dimensional precision in metal cutting. p.22.

Smol'nikov, E.A. - Effect of heating conditions in hardening on the cutting properties of tool steels. p.28.

Moldavskii, M.Kh. - Effect of blocking devices of the gate control gear on the number of switchings and the wear of the butts of blocked gears p. 33.
Sapozhnikov, P.M. - Milling attachments set in vises. p. 34.
Dmitrovskii, I.B. - Universal head for boring grooves p. 35.
Korovin, V.T. - Modernization of the oil supply unit for a rotating hydraulic cylinder. p. 36.

Rokhlenko, M.A., Smolenskii, B.L. - Hand vacuum suction devices p. 37.
Sheremet, B.F. - Attachment for machining internal cams with a face counterbore. p. 37.
Degtiarenko, N.S. - Manufacture and use of diamond tools in Japan. p. 38.
Lesnitskii, M.L. - Set of widely universal milling machines p. 42.
Nikitin, A.P. - Machines for diamond grinding and lapping of cutting tools. p. 44.
All-Union public inspection of the fulfillment of research work and of the introduction of scientific and technical achievements to the national economy. p. 45.
Foreign patents. p. 46.

Books. p. 47.

VESTNIK MASHINOSTROENIIA [MACHINE BUILDING REVIEW]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, vol. 43, no. 8, Aug. 1963.

Table of contents translated

Men'kova, N.M. - Design of centrifugal clutches with a free solid filler. p. 3.
Demokritov, V.N. - Design of crane-bridge trusses. p. 7.
Belen'kii, M.M - Stability of the performance of vibratory machines with pneumatic ball vibrators under resonance conditions. p. 11.
Matveev, K.K. - Precision of cam-rotating mechanisms. p. 13.
Zhukov, V.B. - Calculating the setting of a slotted spring. p. 16.
Bekker, I.G. - Investigating dynamic loads in transmissions of machines with a chain drive. p. 19.
Lopatto, A.E., Shil'gorin, F.A. - Reinforced concrete plungers for hydraulic presses with an up to 1,000-ton capacity. p. 23.
Chudakov, K.P., Petrov, I.V., Valova, L.S. - Investigating the efficiency of building-up materials under dynamic abrasive wear conditions. p. 25.
Ventsel', S.V., Chupis, N.M. - Using the method of ground holes in determining the wear of machine parts. p. 29.
Terent'ev, O.A. - Investigation of internal processes of compound hydraulic torque convertors. p. 30.
Barskii, I.A. - Effect of the radial gap in moving blades on the reactivity degree of a turbine. p. 37.
Voloshin, A.A. - Stresses in a multilayer tense for compensators of high-pressure pipings. p. 39.
Zak, P.S. - Graphic processing of experimental data. p. 42.
Partenskii, B.M. - Synchronization of toothed mechanisms. p. 44.
Evdokimov, Iu.A., Kotenko, A.F. - Effect of an abrasive medium on antifriction properties of capron sliding bearings. p. 46.
Rabinovich, A.N. - Vibratory feed mechanisms. p. 48.
Romanov, G.I. - Automatic assembly of threaded joints. p. 55.
Zhilinskii, O.V., and others. - Automatic broaching machine for machining bimetallic bushings. p. 57
Metenin, V.I. - Vortex refrigerating unit for cold treatment of steel. p. 60.
Zhurin, B.F. - Device for determining the trajectory and speed of the cutter center on milling machines. p. 62.
Monastyrskii, A.M. - Drawing sharply bent parts of piping. p. 63.
Martenbakh, L.M., Dolotov, G.P. - Using natural gas for smelting cast iron. p. 65.
Zaitsev, V.M. - Selecting a cooling system for milling and turning heat-resistant and rustproof materials. p. 70.
Sheryshev, V.I. - Temperature of the milling of gears made of heat-resistant and titanium alloys. p. 72.
Borun, G.M., Politkov, Z.I. - Effect of air exhaustion in the cutting area on the ultrasonic metal cutting. p. 74.
Shil'gorin, F.A. - Ultrasonic cleaning of pipes in hydraulic systems of presses. p. 76.
Kuz'min, V.V., Nizhegorodtsev, V.A. - Technical trends in the improvement of the organization of production in machinery plants. p. 77.
Efimov, P.E., Maksimov, Iu.P. - Establishing decade schedules for the start-up of the production and the output of parts using the "Ural-2" electronic computer. p. 80.
Guseev, G.S., Semenenko, V.I. - Introducing mechanical processing of production documentation. p. 85.
Uditskii, M.M., Makukha, G.G. - Device for drawing rectangular isometric projections. p. 88.
Regulations for the presentation of manuscripts. p. 89.
New books. p. 90.
Authors' abstracts of dissertations. p. 92.

ZA BEZOPASNOST' DVIZHENIIA [FOR TRAFFIC SAFETY]. Issued by Otdel RUD i GAI UVD Ispolkoma Mosgorsoveta [Traffic Department and the State Automobile Inspection Agency of the Administration of Internal Affairs of the Executive Committee of the Moscow City Soviet] Moscow, vol. 6, no. 8(63), Aug. 1963.

Table of contents translated

Kruzhkov, S. - Hero of socialist labor. p. 1
Let us teach children how to circulate. p. 3.
Prishchepov, S. - Is this only a game? p. 5.
Mikhlin, A. - If you have deserted someone in trouble, assume the responsibility. p. 6
Rushevskii, P. - Better, easier, and faster. p. 8.
Panen'kin, P. - Be conformable to your grade. p. 10.
Lobanov, Iu. - Without steering. p. 11.
Belitskii, V., Gonzal'ez, E. - Medicine without a prescription, Feuilleton. p. 12.
Mironov, M. - A lesson without profit. p. 13.
Once more about honor. p. 14
Borodin, D. - Complaints and plaintiffs. p. 16

ZA RULEM [AT THE WHEEL]. Issued by Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 21, no. 5, May 1963.

Table of contents translated

Heroes of the seven-year plan. p. 1.
Sysoev, V.D - The main thing is mass participation. p. 2.
Romanov, B. - Powerful potential. p. 5.
Taranov, A. - Call of time. p. 7.
Petrenko, E., Riakhovskii, L. - Self-financing in action. p. 8.
Moiseenko, V. - The driver rams. p. 10.
Miagkov, F. - Continuation of the combat glory. p. 11.
Shotkin, Z. - Powerful dump trucks for open pits. p. 12.
Following up our articles p. 14.
IArov, R. - Braked enthusiasm. p. 15.
Berezkin, V., and others. - Means for the development of rally races. p. 16.
Abramian, V., Rozhnov, V. - What handbooks do not say. p. 18.
Teniatov, A. - Balancing motor vehicle wheels. p. 20.
Shtrankikh, I. - What should be preferred? p. 21.
Readers suggest. p. 22.
Alekseenko, V., Mamaev, F. - Are you driving a motorcycle well? p. 23.
Mailbox of the public reception room of "Za rulem." p. 24.
Solov'ev, G. - For the first time a star race. p. 26.
Turbabo, K. - Toward summer starts. p. 26.
New trends in knitting. p. 27.
Dictated by life. p. 28.
Nikolaev, M. - How to improve your "Strela" engine p. 29.
Khmelevskii, L. - From Moscow to Volgograd. p. 30.
News of foreign engineering p. 31.
From the pages of history. p. 32.

ZHELEZNODOROZHNYI TRANSPORT [RAILROAD TRANSPORTATION]. Organ of Ministerstvo putei soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 45, no. 7, July 1963.

Table of contents translated

Editorial: Inexhaustible source for the growth of labor productivity. p. 3.
Salambekov, B.K. - Collective of the Eastern Siberian Railroad struggles to achieve an exemplary main line. p. 8.
Basilov, V.V. - Potentialities for ductivity in track maintenance p. 11.
Orlov, V.G. - Tasks concerning bound freight handling and sto
Tugengol'd, K.A. - Coordination tion work in a large economic
Sytsko, P.A., Gutkovskii, V.A. - increasing the operative effici p. 26.
Information and comments. p. 2
Shurygin, V.P. - Ways for reduc electrification. p. 30.
Verigo, M.F., Grachseva, L.O., Results of overall tests of gr dolas. p. 34.
Bryleev, A.M., Dmitrienko, I.E. Automatic train traffic control use of radio channels. p. 37.
Main line diesel locomotives of t
Del Rio, B., Letichevskii, A.A. digital computers for the ploti p. 46.
TSurkov, N.S., Khaimov, G.IA. special destination trains for of petroleum bitumen. p. 49.
Ivshin, V.IA., Fedotov, I.F. - counting for the utilization of motives. p. 51.
Al'terman, S.L., Kazovskii, I.G tion should serve its purpose.
Povorozhenko, V.V. - Organizati lengthened haul distances. p.
Shubin, V.A., Konovalov, V.M., More rights for railroad divi

From the editor's mail. p. 64.
In the Collegium of the Ministry of Railroad Transportation Putting the electrified railroad lines into operation should be done in good time. p. 65.
Progress in the introduction of new equipment in locomotive operation and maintenance. p. 66.
Measures for the specialization of a fleet of tank cars. p. 67.
Lisitsyn, L.V. - New developments in the repairing of electric locomotives in the plant. p. 68.
Kuznetsov, V.I. - Simplified and high-quality preparation of cars for loading. p. 71.
Ovlasiuk, V.IA., Sukhoprudskii, N.D. - Telemechanization of the electric power supply stations. p. 73.
Kleimenov, A.E. - Use of ticket printing machines in railroad stations. p. 76.
Shmukler, M.M., Koveshov, G.N. - Use of electronic digital computers for the distribution of car flows by destination. p. 79.
Romanenko, V.D., Kravets, V.P. - Automation of the casting of lead seals. p. 81.
Loktev, A.IA. - Centralization of freight unloading for coal mines. p. 82.
Kolkov, I.T. - What hampers the work of consolidated transportation units. p. 86.
Kvirikashvili, S. - Blow to the railroads of Great Britain. p. 87.
Progress in railroad transportation of the Polish People's Republic. p. 89.
Uniform international passenger fares. p. 90.
New developments in foreign technology. p. 91.
IUshchenko, N.R., and others. - Merits and shortcomings of the textbook on the mechanization of loading and unloading operations. p. 92.
Solov'eva, N.P. - Organization of local car flows under the new conditions. p. 95.

Vol. 45, no. 8, Aug. 1963.

Table of contents translated

Editorial. Transportation needs of the population must be fully satisfied. p. 3.
Mulukin, F.P. - Higher standards for the economic work. p. 8.
Basov, A.V. - Important tasks in the improvement of freight and commercial operations. p. 15.
Abramov, A.P. - Potentials for a further reduction of operation costs for passenger transportation. p. 21.
Kats, L.Z. - Technological progress in the national economy and the efficient utilization of transportation. p. 26.
Ivanov, I.I., Solomonov, S.A. - Scientific workers in the institutions of higher education struggle for technological progress. p. 31.
Isaev, I.P. - Important potential for an efficient utilization of locomotives. p. 36.
Gridiushko, V.I. - Improving the organization of the technical inspection of cars. p. 41.
Lavrov, N.V., and others. - Use of gas fuel for the operation of diesel locomotives. p. 43.
Platonov, G.A. - Centralization of dispatcher operations and the distribution of traffic control points. p. 46.
Leshchilovskii, I.F. - Protective tree planting is the most efficient means for snow protection of tracks. p. 50.
Oleinik, O.A. - Specialization of classification yards in areas of petroleum tank loading. p. 51.
Responses and information. p. 54.
Burkov, N.N., Ivanov, L.N. - Determining the economic efficiency of capital investments in railroad transportation. p. 56.
Masliuk, [illegible] in the organization

B 16g-16h

Vol 45 no.9 Sep. 1963

Table of contents translated

Editorial Toward high traffic speeds p 3

Kolodiazhnyi, N.V. - Basic tasks in increasing traffic speeds. p 6.

Zubov, I.V. - Speed increase and potentials of train sheets p.12.

Karetnikov, A.D - Some problems in the further increase of passenger train speeds p 16

Maksimovich, B.M., Knichev, V.A. - Specialization of parallel runs. p 20.

Smetanin, A.I. - Ways to increase the run distance of car flows in transit. p.25

Naumov, A.N. - Strengthening of the tracks is the most important factor in the increase of train speeds p.30.

Verigo, M.F. - Problems of the interaction between rolling stock and tracks. p.37

Kochnev, F.P. - Efficient methods for increasing the speed of passenger trains in local communications. p.42.

Fishkin, E.I. - Organization of local operations in the accelerated movement of "built-up" trains. p 48.

Veishnyakli, S.V., Dolmatov, A.A - Design of cars for high-speed traffic. p.49

Albegov, N.A., Isaentsev, V.F - Improving the parameters of electric air brakes p.53

Sokolov, F.G - Increase of the efficiency of capital investments is a matter of exceptional importance p 56.

Railroad transportation in the first half of 1963 technical and economic review. p 61

Further development of rail welding. p.64

Ashikhmin, A.K. - New system of numbering freight cars. p 65.

Leventa', L.IA. - Use of gas-turbine engines for high-speed passenger trains p.67.

Subbotin, S.A. - Utilization of the potentials for the acceleration of car flow movements. p.71.

Bugrov, A.M. - Efficient measures for increasing traffic speeds. p.75.

Paigin, D.T., Tribunt, I.I. - Economic work in the depot. p.77.

Pokotilo, A.A., Kovalenko, V.IA. - Organization of car inspection on heavy traffic sections. p 79.

Malorov, V.K - Improving the maintenance of power supply systems. p. 81.

Golik, G.M., Gorchakov, A.M - Uniform technology of station and harbor operations p.83

IAkobson, P.V, Titova, R.P - First Soviet diesel train "Baltika." p.85.

Miller, E.L - Railroad equipment at the Exhibition of Achievements of the National Economy. p.87.

New order of the work of track patrolmen. p.88.

Petchev, M - Advanced types of traction on the railroads of Bulgaria. p 89.

Hřebíček, R. - New Czechoslovak locomotives p.91

Pokavkin, V.A. - Scientific generalization of the theory and practice in the organization of car flows p.93.

Information and responses, "Concerning important yet unsolved problems in railroad electrification." p 95.

h. MINING & METALLURGY

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata, Altaiskii gornometallurgicheskii nauchno-issledovatel'skii institut. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Altai Scientific Research Institute of Mining and Metallurgy. Transactions]. Alma-Ata, vol.14, 1963. Metallurgiia tsvetnykh metallov [Metallurgy of nonferrous metals].

Table of contents translated:

Platonov, G.F., and others - Two-stage method of treating slag and sinter cake in electric furnaces. p.4

Khan, O.A. - New high temperature cementation method of coating aluminum with a layer of lead-silver alloy. p 14.

Diulskin, E.K., Abdeev, M.A., Primbetov, M.D - Treatment of slags from the first period of converting complex metal mattes. p.23.

Khan, O.A., Sosnovskii, G.N. - Dispersed composition of solid products from the disintegration of lead anodes and the mechanism of their entry into the cathodic cadmium deposit. p.30.

Giganov, G.P., Ponomarev, V.D., Khan, O.A. - Conditions for the extractive separation and composition of tantalum and niobium complex ores. p.39.

Kvlatkovskii, A.N., and others. - Electrochemical extraction of copper from slag with the fuming process equipment of the lead industry. p.52.

*Mikhailov, N.I., Ponomarev, V.D., Sosnovskii, Gen.N. - Thermodynamic data on copper arsenide. p.60.

Kuzhakhmetov, E.I., and others. - Chloride sublimation as applied to pyrite dross from the Nikolayevka ore deposit. p.66.

Solov'eva, V.I., Khan, O.A. - Investigating the process of the electrolytic refining of lead in a nitric acid electrolyte. p.75.

Kim, G.V., and others. - Vacuum treatment of blister copper. p.86.

Sosnovskii, G.N., Khan, O.A. - Effect of impurities and temperature of the electrolyte and indices of the cadmium and vanadium electrolysis process in baths with stationary cathodes. p.90.

Kim, G.V., Abdeev, M.A., Monasypova, R.I. - Stabilization of metals in copper-cadmium sinter cake. p.100.

Diulskin, E.K., and others - Effect of the addition of coke on the composition and yield of converter slags. p 104.

Miller, O.G., Abdeev, M.A. - Solubility of lead in the system copper - iron - sulfur. p.110

Sosnovskii, Gen.N., Abdeeva, M.I. - Sulfide and disulfide of germanium. p 114.

Sosnovskii, Gen N, Abdeev, M.A, Mikhailov, N.I. - Rate of sublimation of germanium sulfide in a stream of nitrogen. p.117.

Sizov, IU.M, and others. - Refining and use of cast iron obtained during the smelting of zinc slags and sinter cake. p 123.

Babenko, N.L. - Photocolorimetric determination of arsenic following its preliminary isolation. p 129.

Kashaev, A.A, Rafikov, T.K. - Methods of obtaining and calculating X-ray powder patterns. p.131

Platonov, G.F. - Effect of the specific resistance of the liquid products of smelting on the performance of electric furnaces. p.134.

Vershinina, V.V - Heat insulating slag wool obtained during the electric smelting of semifinished products of the lead and zinc industries p 141

Vershinina, V.V., Fedotova, I.I. - Local binding materials and slag portland cement from slags obtained during the electric smelting of the semifinished products of the lead and zinc industries. p.150.

Vershinina, V.V. - Thermographic curves of East Kazakhstan shales p.160.

Vershinina, V.V, Goloshchapov, B.A - Investigating mortars of Semipalatinsk portland cement and Kuznetsk slag portland cement. p.165.

Vershinina, V.V. - Effect of the heat treatment of shale on the quality of a lightweight filler. p.171.

Akhmetov, K.T., and others. - Accelerating processes of leaching zinc calcines and an increase in labor productivity. p.178.

Pizikov, V.G - Some aspects of economic zoning. p 191

AKADEMIIA NAUK SSSR, Institut metallurgii, Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R Institute of Metallurgy. Transactions]. Moscow, no.15, 1963 Metallurgiia, metallovedenie, fiziko-khimicheskie metody issledovaniia [Metallurgy, metallography, and physicochemical methods of investigation].

Table of contents translated

Borovskii, I.B. - Investigations on the physics of metals p 3

Miller, IU.G - New method of determining the ionic charge in metals and semiconductors p 11

Borovskii, I.B, Ditsman, S.A, Bogdanov, V.G - New microfocal X-ray spectrograph p 18

Ditsman, S.A - Effect of distortions during crystal flexure on X-ray reflection in a microfocal source p 24

Borovskii, I.B., Il'in, N.P., Loscva, L.E - Investigating interdiffusion in the system Cu - Au p.32

Marchukova, I.D, Poplavko, E.M. - Rhenium mineral in copper-lead impregnation ores p 41

Skotnikov, S.A - Determination of nitrogen in metals p.43

Evaluating the additional binding energy in diluted solid solutions p 54.

Leksina, I.E, Penkina, N.V - Optical properties of diluted solid solutions palladium - silver and rhodium - platinum p 58

Gurov, K.P, Leksina, I.E, Penkina, N.V - Calculation of electron characteristics of metals p.65

Okonnikov, E.G - Electric and galvanomagnetic properties of diluted solid solutions Part 2 p 75.

Borovskii, I.B. - Characteristics of the electron spectrum of superconducting compounds p 79

Borovskii, I.B., Tioneva, N.V, Ronami, G.N - Investigating L_{III} X-ray spectra of tin absorption in α-Sn, β-Sn, and Mg_2Sn. p. 88

Kozlenkov, A.I - Fine structure theory of X-ray absorption spectra p 96.

Shmidt, V.V - Temperature dependence theory of the fine structure of X-ray absorption spectra. p.120

Sharkin, O.P - Effect of temperature on the fine structure of L_{III} X-ray absorption spectra of indium and cadmium p 133.

Bogdanov, N.A. - Investigating the self-diffusion of metals in the phase transformation range p.138

Miller, IU.G - Deduction of a Young's modulus design formula for crystals p.147

Skotnikov, S.A, Savel'ev, IU.A - Device for the heating of specimens for spectrum analysis. p 151

Skotnikov, S.A, Savel'ev, IU.A - Device for the thermal analysis of metal specimens. p 159.

AKADEMIIA NAUK SSSR, Sibirskoe otdelenie, Institut gornogo dela. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department, Institute of Mining. Transactions]. Moscow, no. 7, 1962.

Table of contents translated:

Vladimirov, V.M., Mattis, A.R. - Some trends for increasing the efficiency of earthmoving machines. p.3.

Rodionov, G.V., and others. - Principle layouts and basic elements of earthmoving machines, using the effect of soil caving. p.14.

Mattis, A.R. - Taking the parameters of the working face into account in designing a rotary working part, using the soil caving method. p.25.

Mattis, A.R. - Experimental studies of a simplified working part of a caving excavator. p.43.

Vladimirov, V.M., Sutiagin, G.N. - Laboratory studies of a rotor with inertial unloading p 49

Chalkovskii, E.G., Trofimov, V.K. - Selection of some parameters for the working part of a caving excavator. p.53.

Nikonova, I.P. - Methodology of designing the lower part of a caving excavator. p.61.

Vladimirov, V.M. - Using the unloading conditions in determining the basic parameters of the rotary working part of an excavator. p.70.

Vladimirov, V.M. - Determining the shape of the longitudinal profile and rear cutting angle of buckets for rotary excavators. p.80.

Chalkovskii, E.G. - Problems in the technology of open-pit mining operations using excavators based on the caving method. p.86.

Chalkovskii, E.G., Tishkov, A.IA. - Parameters of the system of overburden removal in inclined layers. p.97.

Murikov, D.V. - Study of the process of scooping up bulk loads with a bucket. p.108.

Lur'e, G.K. - Model study of the working process of a single-bucket loading part. p.122.

Murikov, D.V. - Some data on the operation of single-bucket excavators in stone and ore pits. p 130.

Kvatts, G.V., Krasnova, V.M., Rodionov, G.V. - Interchangeable telescopic equipment for the E-652 excavator. p.140.

Krasnova, V.M. - Some problems in designing telescopic equipment for single-bucket excavators. p.152.

Chalkovskii, E.G. - Selection of the means for mechanized recovery of bottom sediments of mineral sticklotz under conditions found at Lake Kuchel. p.159.

AKADEMIIA NAUK SSSR, Ural'skii filial, Sverdlovsk. Institut gornogo dela. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch. Institute of Mining. Transactions]. Sverdlovsk, no. 1, 1963 Voprosy issledovaniia gornogo davleniia i sdvizheniia porod [Study of rock pressure and shearing of rocks]

Table of contents translated:

Eshutkin, N.V., Rudakov, M.L. - Some results of rock pressure studies in working ore veins of the Vostochnyy Kounrad Mine p.5.

Vol'khin, B.A., Panteleev, M.G. - Occurrence of rock pressure in experimental use of a system with a flexible metal ceiling in northern Ural bauxite mines p.13

Ilivitskii, A.A. - Calculation of intrachamber pillars in working pitching ore beds. p.21.

Rudakov, M.L., Sashurin, A.D. - Measuring stresses by the method of partial unloading. p 29.

Nikolin, V.I. - Pressure of caved rocks on the bases of blocks. p.36.

Vol'khin, B.A. - Determining the maximum width of chambers in northern Ural bauxite mines p 41

Lysenko, N.T - Study of the occurrence of rock pressure in the support zone p.49

Bakharev, A.G. - Causes of deformations in the working areas of mines in the Chelyabinsk Basin. p 57

Nikolin, V.I. - Distribution of stresses in bottoms. p.61.

Rudakov, M.L. - Stability of the sides of deep pits p.67.

Sapozhnikov, V.T. - Parameters of level-to-level sides of pits in rocks p.91.

Kim, D.N. - Study of the structural weakness of fractured rocks by modeling their strength under laboratory conditions p.97.

Rudakov, M.L., Zotcev, V.G., Mozhaev, I.V. - Determination of the elements in the position of joints in using open-pit and underground methods of working iron ore deposits p.107.

Popov, I.I. - Angles of incline of sides being worked in the Bogoslovskiy pits. p.113.

Dudushkina, K.I. - Effect of weathering on the stability of ore pit sides. p.117.

Bogatskii, V.F. - Calculated layout of a multilayer slope. p.125.

*FIZIKA METALLOV I METALLOVEDENIE [THE PHYSICS OF METALS AND METALLOGRAPHY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Sverdlovsk, vol.16, no.1, July 1963.

Table of contents translated

Ordering of ferro- and antiferromagnetic alloys. p 3.

Zyrianov, P.S. - Theory of transfer phenomena in electron-phonon systems in magnetic fields considering the entrainment of phonons. p.13.

Kalashnikov, V.P. - Volt-ampere characteristics of semimetals in crossing electric and magnetic fields. p.19.

Potapov, L.P. - Methods of measuring the heat factor in the scattering of X rays. p.24.

Puzei, I.M - Dependence of the nickel anisotropy constant on temperature and magnetization saturation. p 29.

Dubinin, G.N. - Electric and magnetic properties of metals and alloys having undergone surface saturation by elements p.33.

Ibragimov, Sh.Sh., Karmilov, A.G. - Investigating the properties of neutron-irradiated iron. p.40.

Troitskii, O.A, Kuleshov, I.M., Likhman, V.I. - Simultaneous effect of radioactive rays and mercury on the mechanical properties of single crystals of zinc. p.44.

Kinetics of the aging of commercial-grade iron and the nature of structural changes at various stages of aging. p.51.

Kornilov, I.I., Mikheev, V.S., Konstantinov, K.M. - Investigating the specific resistivity of alloys in the system Ti - Al at temperatures starting from room temperature up to 1200°C. p.57.

Presnilkov, A.A., Dautova, L.I., Dzhanbusinov, E.A. - Structural forms of copper-palladium solid solutions close to the Cu_3Pd composition p 61

Gusev, E.V., Lashko, N.F., Khatainskaia, I.M. - Anomalous changes in the electrical resistance of transition class titanium alloys p 65

Kostin, N.L., Pasarev, V.I. - Methods of doping the crystals of CdSb compounds through alloys of the system Cd - Sb. p.71.

Suntalov, F.A. - Pore formation in distilling-off the volatile component from α-solid solutions. p.80.

Konev, V.N., Nesterov, A.F., Glazkova, I.P. - Investigating reactive diffusion in systems "metal - complex gas." Part 7. Molybdenum - silicon - boron p.86.

Ershova, T.P. - Effect of high pressure on the kinetics of carbon steel tempering. p.91

Likhachev, V.A., Assur, K.P. - Deformation of two-phase alloys. p.97.

Potekhin, N.E., Terminasov, Iu.S. - Microscopy of the slip band development in copper during fatigue tests. Part 1. p.102

Rybakova, L.M., Nikitina, I.I. - Investigating temporary strength dependence of alloys of nickel and copper with aluminum. p.107.

Baskin, M.L., Tumanov, V.I., Funke, V.F. - Elasticity modulus of hard alloys of tungsten carbide-cobalt. p.113.

Berezhnev, B.I., Bulychev, D.K. - Mechanical properties of aluminum and copper after extrusion by high pressure fluids. p 117.

Zhukov, A.A., Shalashov, V.A. - Effect of chromium on the graphitization of malleable cast iron. p.124.

Determining the dependence on orientation of surface energy in silicon iron p.129

Shtol'ts, A.K., Gel'd, P.V., Zagriazhskii, V.L. - Region of homogenous structure and certain properties of the β-phase in the system Fe - Ge. p 130.

Chatny, Pavel. - Permanent magnets of barium-strontium ferrates. p.132.

Khlavin, O.V., Smirnov, B.I. - Effect of preliminary plastic deformations on the brittle strength of steel at 4 20°K. p.134

Zadumkin, S.N., Nguen Fong - Temperature dependence of the surface energy in transition metals. p.136.

Smolin, M.D. - Investigating self-diffusion in metals without the use of radioactive isotopes. p.138.

Sadovskii, V.D. - Methods of revealing the dislocation structure of the KhN77TIUR heat-resistant alloy. p.140.

Vintaikin, E.Z. - Free energy of chromium carbide formation. p.144.

Mirtasov, N.Z. - Magnetic susceptibility of iron-nickel alloys in strong fields. p 146.

Zhdanov, V.A., Katal'nikov, V.V. - Calculating the heat capacity of a CsCl-type lattice by the Houston method. p.148.

Nekrasova, M.I., Sokolov, B.K. - Concerning the method of transformer steel film pickling. p.149.

Kocluvov, V.E., Gershman, R.B., Belikov, A.M. - Methods of revealing the substructure of metals. p.152.

Pavlov, V.A. - Hardening alloys by plastic deformation in the temperature range of anomalous dependence of mechanical properties. p.155.

Shur, IA.S., Kandaurova, G.S - Observation of the initial stages of the formation of remagnetization nuclei in a magnetoplumbite crystal. p.158.

*GEOLOGIIA NEFTI I GAZA [THE GEOLOGY OF PETROLEUM AND GAS]. Organ of Gosudarstvennyi geologicheskii komitet SSSR and Gosudarstvennyi proizvodstvennyi komitet po gazovoi promyshlennosti SSSR [State Geological Committee of the U.S.S.R. and the State Production Committee for the Gas Industry of the U.S.S.R.]. Moscow, vol.7, no.6, June 1963.

Table of contents translated:

Avrov, V.IA., and others. - Reconnaissance map of oil and gas reserves of the U.S.S.R. p.1.

Zlizina, A.G., Kan, E.K. - Outlook for finding oil and gas pools in sediments overlying salt deposits in the Volga-Ural interfluve. p.8.

Klubov, V.A., Svishchev, M.F. - Oil and gas zones in the southeastern Volga-Ural region and types of oil and gas pools. p.14.

Shcherbina, V.D. - Some data on the geological structure of the Dobryanka prospecting area. p.21.

Rybakova, A.D., Vel'kov, A.M. - Some criteria for appraising structural noses and terraces in oil and gas prospecting. p.27.

Ovcharenko, A.V. - Method of preparing areas for deep drilling in Orenburg Province. p.32.

Musin, M.Kh., Chernomorskii, V.N., Chunosov, P.I. - Structure and correlation of sand beds in the terrigenous formation of the lower Carboniferous in Bashkiria. p.38.

Malyshева, L.N., Markhasin, I.L., Babalian, G.A. - Some physicochemical properties of Lower Carboniferous clays in the Arlan-Dyurtyuli zone. p.42.

Druzhinin, A.V. - Geothermic characteristics of rocks in the Samara Bend. p.48

Dakhnov, V.N. - Using caliper log data for dividing carbonate sediments. p.52

Kalinko, M.K. - Petroleum production in capitalist countries in 1962. p.56.

*GEOLOGIIA RUDNYKH MESTOROZHDENII [GEOLOGY OF ORE DEPOSITS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, vol.5, no.1, July-Aug. 1963.

Table of contents translated

Semenov, A.I - Types of metallogenic provinces in the fold areas of the U.S.S.R p.3.

Tiurin, N.G. - Composition of hydrothermal solutions. p.24.

Krotov, B.P., Aleshin, M.I - Classification of supergene iron and aluminum deposits in the Urals. p.43.

Nevskii, V.A - Joint tectonics of the Kurgan deposit and its effect on the distribution of ore bodies. p 56

Starostin, V.I - Structure and morphology of ore bodies in the northern part of the Gay copper pyrite deposit (Southern Urals). p.74

Grinenko, L.N. - Isotopic composition of sulfur in sulfides of the Sibay copper pyrite deposit (Southern Urals) p.86.

Kisliakov, IA.M., Latyshev, D.G. - Practice in using a camera for recording mining data. p 101.

Borodaevskaia, M.B., Borodaevskii, N.I - Concerning F.I.Vol'fson's book "Problems in studying hydrothermal deposits" p.103.

GORNYI ZHURNAL [MINING JOURNAL]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, no.8, Aug. 1963

Table of contents translated

Resolution of the June Plenum of the Central Committee of the CPSU is the immediate program of the builders of communism. p.3

Popova, A.V. - Standardization of mining machines p.5.

Shanin, N.I. - Determination of a permissible coefficient of overburden. p.12.

Ilivitskii, A.A. - Calculation of the stability of interchamber pillars in working steep ore beds. p.14

Kuznetsov, G.V., Stein, A.G., Mironov, P.S - Seismic effect of blasting in large-scale breaking of ore in the Vysokaya Mountain iron mine. p.19

Pozdniakov, B.V., and others. - Effect of short-delay blasting on the extent of the seismic effect of large-scale blasting. p.25.

Baikonurov, O.A., Braev, Sh.I., Vinokurov, L.V. - Determining the mechanical constants of rocks in studying the seismic effect of blasting. p.26.

Siedziuk, P.E., Tymovskii, L.G. - Open-pit rail transportation and possible ways of improving it. p.30.

Vasil'ev, M.V. - Most important trend in solving the transportation problem in ore pits p.33.

Dikchentaev, M-G.K. - Combination truck and rail transportation in the Sibay pit. p.40.

Komarov, P.A. - Mining equipment manufactured by the Kyshtym Machine Shop. p.43.

Pil'kevich, L.IA. - KRS-3 self-propelled mine crane. p.45.

Zubkov, G.A. - New means of automatic control and traffic control produced by the testing establishments of the Construction Bureau of Automatic Control in Nonferrous Metal Mines. p.46.

Bertovskii, V.M. - Stations series PGKh5000T for controlling electric motors with short-circuited rotors in tropical conditions. p.48.

Lisitsa, I.G. - Using plumb bobs in geometrical orientation of mines. p.49.

Ozolin, L.T. - Introduction of new equipment and improvement of the technology of ore dressing in the Olenegorsk Plant. p.53.

Kostiunin, A.A. - Planning and exploitation of tailing reservoir ponds at the Abagur Ore Dressing and Agglomeration Plant. p.58.

Nesvizhskii, O.A., Khorin, IA.D. - Selection of material for lining plates of ball mills. p.62.

Sachkov, A.F., Lifanov, A.I., Lomonosov, V.IU. - Removing dust from the air in drilling holes in upraises. p.66.

Pliaskin, I.I., Solentsov, A.A. - Working flooded Oligocene sands in the Sarkay Pit. p.70.

Semenov, M.N. - New bits for rotary drilling rigs. p.71.

Noshcherut, I.I. - Clamp for pipes. p.71.

Mel'nikov, I.S. - "Zernogranulit" instead of ammonites. p.72.

Linnik, G.F., Belash, A.S. - Blasting operations in Swedish mines. p.73.

Voronin, L.N. - Cars with a 25-ton capacity in the "Grengesberg" Mine. p.74

Kachura, N.I., and others. - Drilling rig for drilling holes with a roller bit. p.75.

Lev Dmitrievich Shevlakov; obituary. p.76.

Ilinkhin, A.I. - Don't repeat mistakes! p.77.

Plaksin, I.N., Shapiro, I.S. - Review of B.I.Kogan's book "Economic notes on rare earths." p.79.

Terent'ev, S.M. - Correct the output of mine surveying instruments, letter to the editor. p.80

B 15h

New books on mining. p.3 of cover.

Foreign periodical literature p 3 of cover

KRIVOY ROG. GORNORUDNYI INSTITUT. Sbornik nauchnykh trudov [INSTITUTE FOR MINING AND ORE DRESSING. Papers]. Moscow, no 7, 1959.

Table of contents translated

Povarennykh, A.S - Relationship between the melting point of crystalline matter and the type of chemical bond p 7

Povarennykh, A.S - Scale of the luminosity of minerals and the chemical bond p 19

Voitkevich, G.V - Principles for the over-all division and correlation of the Pre-Cambrian p 29

Besedin, V.V - Stratigraphy of iron ore areas of the Krivoy Rog, Kremenchug, the Kursk Magnetic Anomaly, and northern Michigan p.45

Chernovskii, M.I. - Outlook for ore in the Tarapako-Likhmanovskiy anticline and its connection with the geological structure. p 56

Shcherbakova, K.F - Genesis of the Il'ich Mining Administration deposit of iron ores in the Krivoy Rog Basin p.62

Ishchenko, D.I - Formation of limonites in the upper series of the area of closure of the Krivoy Rog synclinorium. p 76.

Petrun', V.F - Some petrographic features of olivine diabases from the Ingulets River p 85

Belokrys, L.S - Origin of shallow folding in the Neogene of the Krivoy Rog Basin p 96

Nikulin, S.E - Methodology of determining standards for losses and improvishment of ores in systems with cavings. p.109.

Steshenko, A.I., Gel'man, D.Z. - Determining the annual output in working ore deposits p 120

Guminskii, M.V - Selection of an efficient way of cutting out a block in a free-block caving system in the Krivoy Rog Basin p 129

Lavrinenko, V.F - Controlling the breaking of ore in a free-block caving system p 115

Dalichenko, A.A - Boring and blasting operations with increased parameters in some open-pit mines p 162

Lugovskii, S.I. - Theory of the outflow of gaseous blasting products from stopes p 172

Polishchuk, A.P - Analysis of safety conditions in Krivoy Rog Basin mine stopes p.187

Fedorovskii, A.A. - Errors in analogy and geometric classification of ore deposits. p.197.

Perel'shtein, IA.I. - Evaluation of the results of measurements made in mine surveys p 207.

Kolotova, E.A. - Graphic determination of the coefficients of indirect conditional equations for subsequent adjusting of nets of combinations of triangular and quadrilateral cells. p.215

Sidorenko, A.K - Theoretical and exploitation indices of mine-face pneumatic perforators for deep drilling. p.227.

Beskiepchenko, F.M. - Scraper conveyor for bringing ore from stopes. p.244.

Pavlenko, N.I - New highly-stable bit for cable drilling. p.251

Fainshtein, E.G. - Analysis of the exploitation of electric motors for scraper winches in iron-ore mines. p.256.

Shchetka, V.F. - Study and selection of an efficient layout for dynamic braking of an asynchronous drive on cage hoists in Krivoy Rog Basin mines. p.265.

Sorokin, P.I. - Calculation of the stability of automobile frames under the action of a symmetrical load and in braking the automobile. p.273.

Rundkvist, A.K. - Methodology of the technological calculation of short-cone crushers. p.291.

Sergeev, A.S., Rundkvist, A.K - Conditions for automatically controlling the density of the overflow of classifiers in ore dressing plants of the Krivoy Rog Southern Mining and Ore Dressing Combine. p.294.

Artemov, G.A. - Constructing the upper and lower functions of the solution to the Cauchy problem for a second-order hyperbolic partial differential equation. p.301.

Dukhovnyi, M.A. - Integral property of double kernels. p.312

Nikonenko, A.S. - Effect of mechanical and thermal treatment on phase transformations in iron-manganese alloys. p.317.

Kovalenko, V.I., Lemishchenko, K.S., Bidenko, T.I. - Laboratory towers and packing for fractional distillation of mixtures of liquids. p.322.

Kryzhanovskii, P.I. - Effect of electrolytic processes on the nature of the change in current components and potential. p.331.

Kryzhanovskii, P.I. - Polarization in electrodeposition of nickel with alternating current. p.341.

Belash, F.N. - Relation between the flocculating and coagulating action of dust-wetting additives and a reduction in the dust in the air during drilling. p.349.

No.20(3), 1963. Geologiia, mineralogiia i razvedka mestorozhdenii poleznykh iskopaemykh [Geology,

B 16h mineralogy, and exploration of mineral deposits]
Table of contents translated:

Makhlaev, V.G. - Nomenclature of Pre-Cambrian carbonate rocks in the Krivoy Rog Basin. p.3
Illarionov, A.A. - Magnetite in iron ores of the Kursk Magnetic Anomaly. p.8
Osetrov, I.I. - Distribution of the sediments of the Kiev series in the southern part of the Krivoy Rog iron-ore basin. p.15.
Osetrov, I.I. - Sediments of the Kharkov series in the southern part of the Krivoy Rog iron-ore basin. p.24
Belokrys, L.S. - "Travertinelike" facies from Sarmatian sediments in the lower Dnieper Valley. p.30
Chernovskii, M.I. - Mechanical and historical conjunction of the structural forms of the Tarapako-Likhmanovskiy anticline. p.34.
Petrun', V.F. - Geological significance of the discovery of pseudotachylyte near the Krivoy Rog Basin. p.40
Makarov, V.N. - Studying mineralogy and petrography of clastic ores in the Yakovlevskoye deposit of the Kursk Magnetic Anomaly. p.44.
Makarov, V.N., Kondrat'eva, D.N. - Alkali amphibole in rocks of the Yakovlevskoye deposit in the Kursk Magnetic Anomaly. p.53
Makarov, V.N., Domarev, D.S. - Etched structures of hematites and martites from ores of the Upper series in the Yakovlevskoye deposit in the Kursk Magnetic Anomaly. p.56.
Domarev, D.S., Taranets, V.I., Makarov, V.N. Origin of ores of the upper series in the Yakovlevskoye deposit of the Kursk Magnetic Anomaly. p.57.
Zhilkinskii, S.I., IAroshenko, V.A., Semergeeva, E.A. - Some characteristics and causes of the crookedness of holes in the Krivoy Rog Basin. p.61.
Derusov, V.P., IAroshenko, V.IA., Semergeeva, E.A. - Initial deflections of boreholes in the Krivoy Rog Basin. p.73.
Derusov, V.P., IAroshenko, V.A. - New developments in shot drilling using flushing fluids. p.85.
Daniuk, A.A., Mikhal'tsov, P.D. - New equipment and advanced techniques of drilling boreholes in the Krivoy Rog Basin. p.97
Derusov, V.P. - Using petroleum and solar oil baths in drilling boreholes in the Krivoy Rog Basin. p.105.

MOSCOW. GORNYI INSTIUT. Nauchnye trudy [MINING INSTITUTE. Studies]. No.43, 1962. Voprosy ekonomiki gornoi promyshlennosti [Problems in the economics of the mining industry].
Table of contents translated:

Baronenkov, A.V., Koblishchanov, M.A., Rakhmetullin, E.R. - Possibilities for lowering the cost of mining ore in the mines of the Kursk Magnetic Anomaly Combine. p.3.
Mossakovskii, IA.V. - Planning the cost of drifting horizontal mine workings. p.13.
Rakhmetullin, E.R. - Ways of improving the organization of production and labor in mines of the Kursk Magnetic Anomaly Combine. p.19.
Gaia Ranta Ion - Some problems in the development of the coal industry of the Rumanian People's Republic. p.27.
Pykhtin, V.IA. - Problems in the fuel supply of rural areas. p.39.
Kuz'min, B.A. - Some problems in the methodology of standardizing and planning production in longwalls worked by cutter-loaders. p.45.
Galinskaia, L.IA. - Economic efficiency of using rod bolting in the Noril'sk coal mine. p.57.
Ivanova, T.I. - Operating efficiency of the K-52M unit in Kuznetsk Basin mines and ways of increasing it. p.63.
Nilazov, N. - Problems in the economic efficiency of using thermal drilling in open-pit workings. p.75.
Pykhtin, V.IA. - Economic efficiency of using lignite briquets for communal and household needs of the people. p.81.

NEFTEPROMYSLOVOE DELO [PETROLEUM PRODUCTION]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. Moscow, no.3, 1963.
Table of contents translated:

Matveev, I.M. - Determination of the compressibility factor of fractured carbonate reservoirs based on field data. p.3.
Movsesian, S.G. - Method of forced production of drowned wells and layers. p.9.
Kopytov, A.V., Skripnik, V.A. - Exploitation of gas condensate fields in Bashkiria. p.13.
Balakirov, IU.A. - Determination of the saturation pressure of crude oil based on pressure build-up curves. p.16.
Geletii, G.F. - Results of studying a pumping well in the Kokhanovka field. p.19.
Baba-zade, F.A. - Factors determining the depletion of wells. p.21
Gorelian, V.I. - Mercuryless unit for studying crude oils. p.26.
Lebedev, S.A., Prianzhevskii, V.A., IAkhin, S.G. - Determining the place of the formation of the stable oil emulsion in production wells. p.30.
Irby, T.L., and others - Analyzing the development of an oil pool in water drive by the material balance method. p.33
Reed, R.L., and others. - Studying reverse combustion in tar sands. p.36.
Stroud, S.G., Fuller, C.A. - Device for determining the degree of corrosion of casings. p.39.
McGhee, E. - Multichannel device for measuring the volume of injected water. p.41.
Rubachev, IU.N. - Fuel economy of the U.S.A.; brief economic analysis of fuel consumption. p.42.

*OGNEUPORY [REFRACTORIES]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol.28, no.7, 1963.
Table of contents translated:

Metallurgist's days. p.289.
Search for and mobilization of industrial potentialities is the patriotic duty of efficiency promoters and inventors. p.290.
At the exhibition of Achievements of the National Economy of the U.S.S.R. p.293.
Fel'dgandler, G.G. - Use and prospects of introducing refractory concrete and ramming materials in ferrous metallurgy. p.295.
Gusev, I.D. - Reorganization of a dinas brick manufacturing plant. p.301.
Kanarskii, I.S., Degtiareva, E.V., Eltysheva, A.A. - Unfired dinas bricks. p.303.
Minkovich, B.D., and others. - Manufacture of dense magnesite-chromite refractories. p.305.
Samsonov, G.V., Kiselyi, P.S., Vlasov, K.R. - Extrusion of protective sheaths for thermocouples. p.311.
Kelor, E.K., and others. - New device and method of tensile testing refractories at high temperatures. p.312.
Lukin, E.S., Polubolarinov, D.N. - Certain thermomechanical properties of ceramics made of pure oxides. p.318.
Shcheglov, S.I., Zaikina, V.D. - Effect of technological factors on the compaction of raw forsterite materials. p.323.
Ivanov, V.I., Pletenetskii, G.E., Nechiporenko, E.P. - Effect of highly refractory oxides on the thermoelectromotive force of tungsten, molybdenum, and tantalum, in vacuum at 1,500° C. p.327.
At the All-Union Central Council of Trade Unions, and the All-Union Council of Scientific Technological Societies. p.332.
In the Scientific Technological Society of Nonferrous Metallurgy. p.333.
Kirsanov, I.P., and others. - From science and technology in foreign countries; abstracts. p.333.
Lapin, V.V. - About L.I.Kartakin's book "Petrography of refractory materials." p.335.

Vol. 29, no. 8, 1963.
Table of contents translated:

For technical progress and a high labor productivity. p.337.
Berezinoi, A.S. - Certain principles in the search for new refractories. p.341.
Bardygov, G.T. - For highly productive labor and well-organized work. p.349.
Rabinovich, M.A., Grigor'ev, I.V. - Grog-carborundum recuperators for patenting furnaces. p.353.
Ignatova, T.S., Fliagin, V.G., Chukreeva, E.I. - Increasing the durability of ladle brick. p.355.
D'iachkov, P.N., and others - Concrete lining of teapot-type steel pouring ladles. p.361.
Shakhlin, V.I., and others. - Using heat-resistant concrete in the elements of bricklaying of open-hearth furnaces. p.364.
Pirogov, A.A., and others. - Testing carbon blocks in iron tapping troughs in blast furnaces. p.368.
Budnikov, P.P., El'-Rafii, E.A. - Magnesite refractory with a high content of calcium oxide. p.371.
Balluk, S.T., Zil'berg, E.S. - Rapid method of determining the Cr_2O_3 content in chromite ores, chrome-magnesite mixtures and refractories. p.378.
Panasenko, D.S. - Inclined stationary screens. p.379.
Glebov, S.V. - Abstract. p.381.
Pevzner, R.I. - Abstract. p.382.
Orlovskii, IA.A. - Abstract. p.383.
Bibliography. p.384.

PRIKLADNAIA GEOFIZIKA [APPLIED GEOPHYSICS]. Issued by Nauchno-issledovatel'skii institut geofizicheskikh metodov razvedki [Scientific Research Institute of Geophysical Prospecting Methods]. Moscow, no.36, 1963.
Table of contents translated:

Rogoza, O.I., Sibagatullina, F.M. - Approximative method of solving dynamic problems of diffraction from an edge, caused by intersecting contacts of media, and comparison of theoretical and experimental data. p.3.
Averbukh, A.G. - Interpretation of hodographs of refracted waves. p.26
Averbukh, A.G., Gorbach, L.M., Sumerina, E.P. - Physical nature of waves arriving first, recorded in observations by the correlation refracted wave method. p.38.
Tagal, E.D. - Using the Vikhert-Chibisov method to determine the velocity parameters in a medium in deep seismic probing. p.50.
Chamo, S., Basentsian, Sh. - Methodology and results of seismic studies conducted by the correlation refracted wave method with shot point profiling in western Turkmenia. p.66.
Tagal, E.D. - Methodology of seismic prospecting by the reflected wave method in subsalt horizons of the Caspian Lowland. p.86.
Khachaturiants, S.S. - Simplified means of interpreting hodographs of reflected waves. p.101.
Slutskovskii, A.I., Lev, I.S. - Multistage mixer. p.118
Polshkov, M.K. - Frequency-phase characteristics of a seismic amplifier with T-shaped filters of the higher and lower frequencies. p.138.
Polshkov, M.K. - Frequency-phase distortions in a seismic amplifier with P-shaped filters of the higher and lower frequencies. p.143.
Khomeniuk, IU.V. - Selection of the shape of signals for synchronizing geophysical observations and remote control of geophysical instruments on a radio-telephone communications cable. p.150.
Avdulov, M.V. - Evaluation of the accuracy of gravimetric charts. p.167.
Bagramiants, V.O. - Effect of vertical accelerations on gravimeter readings. p.181.
Lukavchenko, P.I. - Change in the readings of a gravimeter caused by the action of vertical vibrations of its base. p.187.
Komarov, S.G. - Estimation of the reservoir properties of layers from the results of geophysical studies of wells. p.195.
Belotserkovets, IU.I. - Depth of gamma-gamma logging. p.214.
Sokhranov, N.N. - Layers with low resistivity. p.219
Diad'kin, I.G., Lisinelnov, A.T. - Calculation of a dose of neutrons from a polonium-beryllium source on the surface of a protective covering of paraffin up to 60 cm thick. p.233.
Brusov, B.A. - Some results of geophysical studies in the western Caucasus. p.236.
Vedrintsev, G.A. - Calculation of GVK-2 plates of electric sounding (horizontal-vertical contacts of four media with $\varrho_{II} = \infty$) p.253.

RAZVEDKA I OKHRANA NEDR [PROSPECTING AND CONSERVATION OF MINERAL RESOURCES]. Organ of Gosudarstvennyi geologicheskii komitet SSSR and TsK Profsoiuza rabochikh geologorazvedochnykh rabot [State Geological Committee of the U.S.S.R. and the Central Committee of the Trade Union of Workers Employed in Geological Prospecting]. Moscow, vol.29, no.7, July 1963.
Table of contents translated:

Malyshev, I.I. - Quality and efficiency of prospecting. p.1.
Bybochkin, A.M., and others. - Tungsten deposits as a new source of tantalum. p.10.
Gulian, E.Kh. - Composition of iron ores from the Armenian S.S.R. p.12.
Pastushenko, I.I. - Optimum density of prospecting nets for iron ore deposits with a complex structure. p.16.
Kuznetsov, G.D. - Determination of the minimum commercial content of metals in complex ores. p.23.
Martianov, N.N. - Recent prospecting indication of spodumene pegmatites not showing on the surface. p.28.
Aleksandrov, M.M. - Determining the frictional force in the movement of drilling pipes in deep slightly deflected holes. p.32.
Kulichikhin, N.I., Tikhonov, N.V. - Over-all mechanization of driving horizontal prospecting workings. p.38.
Omel'chenko, A.N., Gleizer, M.I., Gavrilov, D.F. - Calculation of losses of ore in the mine in induced block caving. p.44.
Berdichevskii, M.N., Vedrintsev, G.A. - Differential transformations of electric sounding curves. p.45.
Bogdanov, G.IA. - Methodology of hydrogeological studies in accumulation plains under dry climate conditions. p.49.
Muromtseva, Z.G., Panasenko, V.N. - Data on the earth temperature in the Krivoy Rog Basin. p.53.
Frolov, N.I., Variamov, G.T., Pishek, IA. - Practice of using a ZIF-650A rig to drill deep holes. p.56.
Kim, A.I. - Economic efficiency of using the vertical electric prospecting method in hydrogeological studies. p.59.
Pas'ko, N.A. - Krivoy Rog Basin geologists and prospectors are in the forefront of the builders of communism. p.59.
Ibragimov, Z.S. - Concerning the book by A.A.Kharin "Reservoirs in oil and gas fields of the U.S.S.R." p.61.

Shantser, E.V. - Review of the book by F.V. Kotlov "Changes in the natural conditions of the Moscow area under the influence of man's activity from the point of view of engineering geology." p. 62.
Smirnov, A.I. - In the Central Committee of the Trade Union of Prospecting Workers p. 63.

REFERATIVNYI ZHURNAL: GORNOE DELO [JOURNAL OF ABSTRACTS MINING]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 9, Sep. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; chernaia metallurgiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Ferrous Metallurgy]. Moscow, vol. 6, no. 7, 1963.

Table of contents translated:

Burylev, B.P. - Thermodynamics of the solution of phosphorus in liquid iron in the presence of manganese, silicon, carbon, and iron. p. 5.
Levchenko, V.I., Rostovtsev, S.T. - Kinetics of silicon reduction from mixtures of SiO_2 - CaO-Fe_2O_3 and fluxed sinter p. 13.
Kurzina, T.P., Filippov, S.I. - Regularities of iron reduction from ore under the simultaneous influence of hydrogen and carbon monoxide. p. 21.
Shashkov, IU.M., Lian TSin-u [Liang Ch'ing-wu]. - Kinetics of the heterogenous reaction between silicon melts and a mixture of hydrogen vapor and helium vapor. p. 27.
Pokhvisnev, A.N., Spektor, A.N., IUsfin, IU.S. - Sulfur removal in the coking process. p. 33.
Gruzinov, V.K., Petrovskii, V.V. - Improving the system of charge mixture feed in blast furnace plants. p. 39.
IAvolskii, V.I., Bektursunov, Sh.Sh., Dudko, D.A. - Effect of electric slag heating and feed maintenance on the distribution of nitrogen, oxygen and non-metallic inclusions in steel ingots. p. 47.
Akinfiev, V.I. - Kinetics of melting the metallic part of the charge in open-hearth furnaces during the scrap and hot-metal process. p. 52.
Shchorbakov, V.A., Abrosimov, E.V. - Slag conditions during melting in high-capacity open-hearth furnaces. p. 59.
Kallnaikov, E.S. - Desulfuration of open-hearth steel by liquid synthetic slag. p. 65.
Looze, K., Oiks, G.N. - Sulfur oxidation in the acid converter process. p. 70.
Beliaichikov, L.N., and others - Peculiarities of the operating conditions of electric slag refining equipment. p. 76.
Karasev, V.P., Ageev, P.IA. - Oxygen removal from molten iron deoxidized by aluminum. p. 83.
Gun, G.IA., Polukhin, P.I. - Plastic flow of a hardener material in a multiangular strip. Report No. 2. p. 91.
Tarnovskii, I.IA., and others. - Investigating the flow rate area of a metal during rolling on large cogging mills. p. 96.
Slin'ko, A.A., Aleksandrov, P.A. - Forced increase in width and average elongation in rolling with irregular reduction in height. p. 106.
Seidaliev, F.S., and others. - Experimental investigation of metal shape changing during the pipe expansion process with conical rolls. p. 112.
Vlasov, T.F. - Irregularities of deformation during rolling in T-beam grooves. p. 117.
Shevakin, IU.F., Matveev, V.N., Lindenbaum, V.I. - Determining reductions in an instantaneous deformation area during hot pilgrim rolling of pipe. p. 122.
Karpov, S.P., Polukhin, P.I. - Determining elastic deformations of tools during metalworking by pressure. Report No. 2. p. 128.
Elfutin, V.P., Antsiferov, V.N., Mozzhukhin, E.I. - Effect of dispersed oxide inclusions on the recrystallization of sintered powder nickel. p. 134
Sidorenko, F.A., Gel'd, P.V. - Nature of the ε-phase in the system Fe - Si. p. 140.
Posnikov, V.S., Mal'tsova, G.K., Razumov, V.I. - Temperature dependence of internal friction and the modulus of rigidity of ferromagnetic alloys. p. 149.
Belashchenko, D.K., and others. - Electron transfer in liquid binary metal systems. p. 155.
Gel'd, P.V., and others. - Properties of liquid manganese-silicon alloys. p. 160.
Bogachev, I.N., Rozhkova, S.B. - Hardening austenitic steels by cold plastic deformation. p. 162.
Matiashenko, I.S. - Developing a method of centrifugation for the study of metallographic problems. p. 169.
Baranov, A.A., Bunin, K.P., Glebova, E.D. - Kinetics of the second stage of graphitizing cast iron with spheroidal graphite. p. 172.
Smirnov, IU.A., Kurbakov, IU.V. - Experimental determination of certain basic characteristics of radiant heat exchange. p. 176.
Grebenik, V.M., and others. - Investigating the turning mechanism of a 1300-ton mixer. p. 183.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; gornyi zhurnal [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Mining Journal]. Moscow, vol. 6, no. 7, 1963.

Table of contents translated

Kozyrin, A.K., Koroliuk, T.I., Sapozhnikov, V.M. - Determining the parameters of electrically conductive beds from electric shot-hole prospecting data. p. 3.
Al'bov, M.N., Panov, IU.K. - Correlated dependence of the components in an iron ore deposit. p. 11.
Kuhitskii, L.M., Sivko, V.I. - Distance between blind shafts in mining a flat seam as a hard heading. p. 19.
Asatur, K.G. - Hydraulic calculation of hydraulic rock breaking. p. 23.
Lyshevskii, A.S. - Determination of the force of the impact of a hydraulic giant jet on a barrier. p. 29
TSoi enshchikov, P.T. - Determining the final depth of a pit in working flat deposits. p. 38.
Kopenkin, V.D. - Correlation of some physicomechanical properties of peat with indices of its particle size distribution p. 40.
Samokhvalov, K.K. - Conditions of joining of ice-rock cylinders in freezing sands with flowing currents. p. 46.
IAkovlev, B.T. - Economic efficiency of tower headframes. p. 56.
Bulanova, Z.F. - Use of dispersion analysis in evaluating the accuracy of estimating reserves. p. 65.
Bastan, P.P. - Possibility of using the differences in indices for estimating their variability. p. 74.
Eshpanov, D.O., and others. - Effect of individual factors on the stability of the roof p. 85.
Gorbunov, A.I., and others. - New method of determining corrections for bends in the metal construction of transporter bridges p. 87.
Sivyi, V.B. - Basing technical and organizational measures on the efficiency correlation method. p. 91
Dudnik, I.M., Shtepko, D.D. - Sources for financing development work in operating mines. p. 96.
Tarasov, B.G. - Gas dynamics of a coal seam and contour protection of workings. p. 98.
Smirnov, V.K. - Using computation to determine the mechanical characteristics of safety turbocutches. p. 105.
Morozov, V.V. - Preliminary stretching of a mine hoisting rope before removing a load from a fixed base. p. 114.
Kokh, P.I. - Effect of elastic inserts on the nature of loads in hoisting ropes on excavators used in open pits. p. 119.
Varshavskii, A.M., Dunaevskii, IU.N. - Wear of the working part of a chain and bucket excavator. p. 122.
Zubov, B.S. - Using the circuit of a grounded wire of a screened flexible mine cable as a telemechanical line of communication. p. 132.
Shkol'nikov, A.D. - Using computers for operator control of mining operations in open-pit mines. p. 140.
Zalesov, O.A. - Methodology of studying the dynamic properties of reinforcements on electronic models. p. 145.
Semenov, A.V., Shum, A.I. - Using electronic models to establish an analytical relationship between the pressure and height of peat in a mold. p. 157.
Pliushchev, N.G. - Using the information theory in calculating the value of the criteria for the operating reliability of automatic control systems of mining equipment. p. 161.
Blazhko, IU.M. - Study of the stability of the process of using a centrifugal self-actuated controller in regulating a winch with a weight emergency drive. p. 171.
Galimzianov, F.G. - Study of the intake boxes of fans with wetting agents. p. 181.
Barannikov, N.M. - Semigraphical method of determining some parameters of pressure charging for compressors working at high altitudes. p. 187.
Verkhovskii, I.M., Khvan, L.I. - Methodology of calculating the basic parameters of a movable overflow baffle for discharging the concentrate in jigging coal fines. p. 195.
Ivanov, P.A. - Conference on the hydromechanical working of open-pit mines. p. 199.
Tonkoshkur, L.S. - Safety measures for the use of electricity in enterprises of the mining industry. p. 201.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tsvetnaia metallurgiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Nonferrous Metallurgy]. Moscow, vol. 6, no. 3, 1963.

Table of contents translated:

TSogoev, V.B., and others. - Characteristics of the geological structure of the Kadat-Khampaladag ore zone in Northern Ossetia. p. 3.
Donisenko, L.A. - Work experience with a NSM-2 level in underground surveying. p. 11.
Chopikashvili, M.A. - Boring with cast shot boring bits. p. 16.
IUmatov, B.P., Shitarov, V.G. - Determining the minimum acceptable width of work areas in conditions of the Medvezhiy Ruchey open-pit mine. p. 22.

Pol'kin, S.I., Komlev, A.M., Petukhov, E.P. - Using electron microscopy for the study of reagent interaction with the inevitable pulp ions and mineral surfaces. p. 29.
Kuz'kin, S.F., Solnyshkin, V.I., Chzhen Iu-lun [Cheng Yu-lung]. - Investigating by methods of radiometry and infrared spectroscopy the mechanism of the interaction of the ANP cation collector with apatite and calcite. p. 35.
Nalfonov, T.B., Pol'kin, S.I., Shafeev, R.Sh. - State of a double electric layer of tantalite and certain accompanying minerals during flotation. p. 40.
Tikhenkova, G.N., Kakovskii, I.A. - Naphtazolethiones as potential collectors for oxide and sulfide lead and copper minerals. p. 47.
Kogan, D.I., Rychagov, V.A. - Studying the effect of certain reagents on the flotation properties of carbonatite rock minerals. p. 51.
Shurygin, P.M., Kriuk, V.I. - Investigating the kinetics of the interaction of carbon with oxygen dissolved in copper and tin. p. 56.
Minenko, V.I., Ivanova, N.S. - Thermodynamic properties of molten lead silicates. p. 64.
Gurlev, A.E., TSalikova, M.B. - Reducibility of lead sinters. p. 70.
Fedorov, P.I., Shachnev, V.I. - Role of antimony in deblasmutizing lead. p. 77.
Ageenkov, V.G., Serikov, Z.A. - Behavior of arsenic in the process of leaching zinc residues in a sulfuric acid solution. p. 85.
Tatarin, S.V., Belianev, A.I. - Selection of additives for improving the composition of electrolytes for aluminum baths. p. 96.
Leonov, S.B., Khabirov, M.F. - Intensifying the cyaniding of gold-bearing ores. p. 100.
Khavskii, N.N., and others. - Effect of ultrasonic waves on the process of leaching hard to dissolve rare metal compounds. p. 106.
Rakhimov, A.R., Ponomarev, V.D., Ni, L.P. - Behavior of the basic components of blast furnace slags during their hydrochemical processing. p. 111.
Pakholkov, V.S., Korbut, A.IA. - Separating vanadium and uranium in fluorine-bearing solutions with the help of anionites. p. 116.
IAnitskaia, M.E. - Effect of prestressing on the self-diffusion in silver and its alloys. p. 122.
Ma TSzia-tszi [Ma Chia-chi], Spasskii, A.G. - Investigating the effect of composition and temperature conditions on the hot shortness of shell cast aluminum-magnesium alloys. p. 125.
Zakharov, M.F., Glebov, IU.P., Ermanok, M.Z. - Pressure conditions in the extrusion of pipe with an arbitrary internal shape. p. 128.
Zakharov, A.T. - Revealing flow lines in the deformation of highly resistant aluminum alloys. p. 137.
Lainer, V.I., Bardina, V.A. - Copper plating from pyrophosphate electrolytes. p. 144.
Ashimov, A., Lisovskii, D.I. - Mathematical model of the active heat exchange zone in shaft furnaces for purposes of the automatic smelting of oxide nickel ores. p. 151.
Baimuratov, U.B., Rachkovskii, S.IA. - Considering the time of construction in comparing capital investment variants. p. 157.
Gurlev, T.S. - Brief information on the session of the Scientific Seminar on Heat Exchange Engineering in Mining, held at the Academy of Sciences of the Ukrainian S.S.R. p. 165.

SOVETSKII SHAKHTER [SOVIET MINER]. Issued by TSentral'nyi komitet Profsoiuza rabochikh ugol'noi promyshlennosti SSSR [Central Committee of the Trade Union of Workers of the Coal Industry of the U.S.S.R.]. Moscow, vol. 12, no. 6, June 1963.

Table of contents translated.

Pavlov, A. - Duty of every miner. p. 2.
Shaptro, M. - "Pervol'nianskaia-IUzhnaia" Mine is out in front again. p. 3.
Sokolov, P. - Competition continues. p. 3.
Pomazanovskii, IU., Slin'ko, I. - Load the cutter-loader fully. p. 10.
Avaliani, T. - Skill plus friendship. p. 12.
Shpilevoi, M. - All is near and dear to him. p. 13.
Blagodarnyi, I. - Skilled workers of the Kiselev Mine. p. 14.
Morozov, I - Performers of glorious feats. p. 15.
Gurov, P. - Rubles in heaps. p. 17
Anatol'ev, S. - Price of irresponsibility. p. 18.
Bobrov, V. - Unseen hand. p. 20.
Vagin, V., Surnachev, B. - Signaling by means of odors. p. 21.
Blumkin, R. - On the threshold of tomorrow. p. 23.
Kosmak, A. - Brigade, brigade leader, and mine foreman. p. 27.
Trofimov, A., Gogolev, V. - The main thing is engineering leadership. p. 29.
Semenov, A. - New scope of trade-union work. p. 34.
Kozin, I. - There are reserves! p. 36.
Granberg, M., Shcharanskii, B. - What the speaker did not say. p. 37.
Gunina, V. - Time permits. p. 39.
Afanas'ev, M. - Voluntary inspector. p. 41.
Krevsun, P. - Value the health of the miner! p. 42.
Sakhnovskaia, Zh. - Fellow workers pass sentence. p. 43.
Zviagintseva, K. - Coal is a valuable chemical raw material. p. 45.
Semenov, V. - Miners and friends. p. 46.

*STAL' [STEEL]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee] and others. Moscow, vol.23, no.7, July 1963

Table of contents translated:

For a further increase of labor productivity in ferrous metallurgy p.577

Loginov, V.I., Cherkun, A.N. - Optima conditions of blast furnace smelting. p.581.

Flatkov, B.S., Gruzinov, V.K., Mikriukov, B.N. - Automatic control of combustion zones in blast furnaces. p.585

Rylov, I.A. - Automatic control of the blast furnace process on the basis of statistical characteristics p.588

Gimmel'farb, A.A., Lapa, A.M. - Effect of the reduction in the consumption of coke on conditions of gas dynamics in blast furnaces. p.593

Shumakov, L.G. - Causes of the rupture of air-preheater housings p.597.

Pevtsov, V.P., Potekhin, IO.M., Gimmel'farb, A.A. - Radiometric investigation of the tuyere zone in blast furnaces. p.599.

Freidin, L.M., Rudakov, L.M. - New developments in research p.609.

Blinberg, I.M., Pavlov, A.I., Perlmov, A.A. - Model 250-ton oxygen converter p.601.

Pogorelyi, V.P., Korkoshko, N.M., Kolganov, G.S. - Intensification of steelmaking in open-hearth furnace plants p.606.

Garger, K.S., and others. - Automatic control of converter smelting by means of computers p.608

Petrov, G.A., and others. - Rapid methods of heating and fettling the hearth bottom of high capacity open-hearth furnaces p.611.

Alferov, K.S., Morshchil, N.P., Pritepskii, V.I. - Production of semikilled St.5ps reinforcement steel at the Makeevka Metallurgical Plant. p.615.

Improving the design of ingot molds and using converter pig iron for their founding. p.618.

Vainshtein, O.IA., and others. - Production of 18KhNT and 15KhGNTA steel in open-hearth furnaces. p.621.

Babli, A.S., Tol'skii, A.A. - New developments in research. p.623.

Fatzullin, V.Kh., and others. - Effect of the initial shape of working rolls of continuous mill finishing stands on the shape of the rolled strip section. p.624.

Berkovskii, V.S., Osadchii, A.N. - Grooving for the rolling of strip with acute angles p.627.

Chekmarev, A.P., and others. - Reducing metal sticking on the rolls during the hot rolling of stainless tubes. p.631.

Grishina, E.N., Stadnik, K.A., Khludeev, K.A. - Mastering the operation of the continuous sheet-rolling mill 1700 at the Il'ich plant. p.635.

Rospasienko, V.I., Esman, F.M. - Coping with the production of stainless steel plate p.637.

Vil'iams, O.S., Likhenson, A.L. - Surface carburizing of steel 10 and 20 pipe in the hot extrusion process. p.638.

Baranov, IU.I., Kostousov, N.L. - Automatic temperature control of reduction gear and engine bearings of the main drive of rolling mills. p.640.

Matveev, IU.M. - Review of A.P. Chekmarev and IA.L. Valkin's book "Principles of pipe rolling in round passes." p.641

Babli, A.S., Tol'skii, A.A. - New developments in research. p.642.

Itskovich, G.M., and others. - Characteristics of continuous transformer steel ingots. p.643.

Mikhaltets, N.S., Nikulin, N.G. - Natural aging of open-hearth rail steel. p.648.

Skiluev, P.S., and others. - Quality of rolls for cold rolling. p.651.

Zhetvin, N.P., Freidin, L.M., Rudakov, L.M. - New developments in research. p.652.

Kats, L.IA. - Potentialities of metal economy in rolling mill practices and a material interest in its achievement p.653.

Kadinova, A.S., Kheifets, G.N. - Comparative evaluation of two types of spray quenching systems for pipe hardening. p.656.

Biro, Attila, Francia, Jozsef. - Modernization of soaking pits with bottom heating. p.659.

Andon'ev, S.M., and others. - Investigating experimental contours with natural circulation of water in the chimney of an oxygen-blown converter. p.664.

Kaganov, V.IU. - Second All-Union Conference on the Automation of Industrial Processes in Ferrous Metallurgy. p.668.

All-Union public inspection of the carrying out of research programs and the introduction of scientific and technological achievements into the national economy. p.670.

Vol.23, no.8, Aug. 1963.

Table of contents translated:

Leporskii, V.V. - The "Azovstal'" metallurgical plant is 30 years old p.673.

Lukashov, G.G., Avdeev, V.A. - Expansion and reorganization of the "Azovstal'" plant. p.676

Rasponov, I.V., and others. - Intensifying the sintering process by air preheating and by improving the performance of exhaust fans. p.679.

Tikhomirov, E.N., Pokhvisnev, A.N. - Liquid phase formation at the lower levels of blast furnaces. p.682.

Belyga, D.V., Gorbanev, IA.S., Cherepivskii, A.A. - Studying the flow of charge materials in blast furnaces during the smelting of Kamysh-Burun sinters. p.686

Bazanov, F.M., Malkin, I.L. - Calculating the sinter charge for fully fluxed sinters p.690

Isupov, V.F., Bolkakov, A.I. - New developments in research p.695.

Leporskii, V.V., and others - Production of medium-carbon, capped steel p.696.

Svinidenko, F.F., Krivenko, P.T., Vistorovskii, N.T. - Characteristics of the procedure for converting phosphorous pig iron in redesigned open-hearth furnaces operating on natural gas p.700

Leporskii, V.V., and others - Rapid filling of the riser-head part of ingots p.705

Kostiuk, V.A., and others. - Rapid repair of the hearth bottom fettling of tilting open-hearth furnaces. p.707.

Bol'shakov, L.A., and others. - Using rapidly drying mixtures for the making of molds and cores for large castings. p.710

Bol'shakov, L.A., and others. - Effectiveness in the use of lightweight, solid-bottom ingot molds. p.712.

TSvetkov, P.M., Shatskov, G.F. - Steel production in tilting open-hearth furnaces at the "Azovstal'" plant. p.713.

Leporskii, V.V., Stepkanev, P.N., Katsman, E.R. - Operation of industrial equipment for the treatment of cast iron in ladles. p.715.

Leporskii, V.V., and others. - Improving individual elements of high-capacity, tilting open-hearth furnaces. p.716.

Krasovitskii, V.S., and others. - Increasing the stability of ingot molds by an addition of ferrotitanium. p.717.

Lur'e, I.N. - Review of the book by V.V. Leporskii and others "Tilting open-hearth furnaces." p.718.

Serdiukov, G.V., Khasin, G.A., Davidiuk, V.N. - New developments in research. p.719.

Pavlovskii, V.IA., Valenko, N.S., Grevtsov, M.M. - Experience in adopting the production of lightweight rolled shapes at the "Azovstal'" plant p.721.

Stefanov, V.E., Protasov, N.F. - Grooving channels by the method of gradual bending. p.724.

Korolev, A.A. - Effect of external tension on the force required in rolling. p.728.

Protasov, N.F., and others. - Properties and peculiarities in the production of type R-75 heavy rails. p.731.

Laws of tension changes in the rolling of flat shapes. p.733.

Ermolaev, N.F. - Review of the book by F.A. Danilov, A.Z. Glebberg, V.G. Batakin, "Hot rolling of pipe." p.734.

Isupov, V.F., Bolkakov, A.I. - New developments in research. p.737.

Tarasova, L.P., and others. - Nonmetallic inclusions in rail steel. p.738.

Zaimes, A.N., and others. - Temper brittleness of arsenic and chromium rail steel. p.740.

Bogdanova, N.G., Maslova, V.N. - Structural heterogeneity of killed steel ingots. p.742.

Khasin, G.A., Davidiuk, V.N. - New developments in research. p.747.

Medvedev, I.A., and others. - Methods of dividing production expenditures into constant and fluctuating ones. p.748.

Popov, D.I., Zubarev, A.G. - Analysis of the technical and economic indices of the performance of continuous steel pouring installations. p.752.

Demin, G.I., Pluzhnikov, A.I. - Transfer of a holding furnace to heating by natural gas with self-carburation. p.755.

Pogorzhel'skii, V.I., Kurpe, V.I., Khristoforov, G.N. - Heating pit for coldingots. p.758.

Shkliar, V.S. - Heat transmission of rollers in sectional furnaces. p.759.

Isupov, V.F., Bolkakov, A.I. - New developments in research. p.761.

Gladkikh, A.N. - Determining the effective parameters of dies with hard alloy inserts. p.762.

Sidak, V.E. - Production of mineral fertilizers from open-hearth furnace slag. p.766.

Khasin, G.N., Davidiuk, V.N. - New developments in research. p.767.

TITAN I EGO SPLAVY [TITANIUM AND ITS ALLOYS]. Issued by Institut metallurgii Akademii nauk SSSR [Institute of Metallurgy of the Academy of Sciences of the U.S.S.R.]. Moscow, no.9, 1963. Metallurgiia i khimiia titana [Metallurgy and chemistry of titanium].

Table of contents translated:

Reznichenko, V.A. - Electrothermics of titanium slags. p.3.

Rudneva, A.V., Model', M.S., Sotov'ev, V.I. - An iron-titanium mineral from placer deposits. p.10.

Isakov, M.G. - Mineralogical composition of rutile-bearing amphibolites and eclogites. p.16.

Sysoliatin, S.A. - Obtaining high-grade titanium concentrates by flotation. p.24.

Sysoliatin, S.A. - Dressing of rutile-garnet ores, p.29.

Fedorova, M.N. - Bringing titanium concentrates to the required purity by autoclave leaching with *silicic acid*. p.36.

Reznichenko, V.A., Khalimov, F.B., Ukolova, T.P. - Titanium oxides. p.42.

Tkachenko, V.A., Kozlov, V.M., Guseva, S.S. - Investigating certain regularities in the reduction of iron-titanium concentrates in the solid phase p.70.

Sotov'ev, V.I. - Reducibility of iron-titanium, chromium-containing concentrates from placer deposits p.82.

Tkachenko, V.A., Kozlov, V.M., Guseva, S. - Making high-titanium slags of iron-titanium concentrates from coastal placers. p.86

Reznichenko, V.A., Sitnikov, G.V., Sotov'ev, V.I. - Two-stage smelting of ilmenite concentrates p.96.

Mishenev, V.A., and others. - Smelting ilmenite concentrates from various deposits for high-titanium slag. p.105.

Movsesov, E.L., and others. - Efficient electric conditions in the smelting of titanium slag p.114

Goroshchenko, IA.G., Udo, E.O., Karpenko, G.A. - Chlorination of sphene concentrates by chlorine gas without a reducing agent. p.121

Goroshchenko, IA.G., Udo, E.O., Karpenko, G.A. - Chlorination of sphene concentrates by chlorine with a reducing agent. p.127.

Reznichenko, V.A., Salomakha, V.P. - Study of the chlorination process of magnesium metallurgic (gekkelite). p.136.

Reznikov, I.L., and others. - Formation of [illegible] during the chlorination of titanium slag in [illegible] shaft furnaces and chlorinators. p.140

Zezianov, S.P. - Testing electrofilters for the purification of liquid titanium tetrachloride from solid particles in suspension. p.147.

Goroshchenko, IA.G., Kondratovich, N.M. - Investigating the decomposition of sphene concentrates by *sulfuric acid* for the purpose of obtaining titanyl sulfate solutions with a low acidity factor. p.152

Goroshchenko, IA.G., Mufarov, V.G., Tolmachev, S.A. - Salting out double titanyl and ammonium sulfates from sulfuric acid solutions containing [illegible] p.158.

Goroshchenko, IA.G., and others. - Rotary-tilting furnace for the sulfunation of titanium-bearing *materials*. p.162.

Moinov, S.G., Reznichenko, V.A. - Studying the crystallization processes of titanium dioxide within the reaction between titanium tetrachloride and oxygen p.166.

Savin, V.D., Reznichenko, V.A. - Studying the kinetics and the mechanism of titanium tetrachloride reduction by sodium. p.172.

Mirochnikov, V.S., Reznichenko, V.A. - Titanium interaction with moisture at 400 to 600° temperatures. p.186.

Fal'kevich, E.S., Garmata, V.A. - Quality control of *titanium* sponge p.191.

Kramnik, V.IU., and others. - Rapid method for determining the quality of titanium sponge. p.195

Markov, B.F., Tishura, T.A. - Impurity participation in the formation of titanium chloride. p.200

Gopienko, V.G. - Equilibrium between metallic titanium and its chlorides in molten sodium chloride p.205.

Mustenko, V.T., Orlov, V.M. - Obtaining titanium alloys by the electrolytic method. p.213.

Balikhin, V.S., Reznichenko, V.A. - Titanium and aluminum electrode potentials in fused titanium *chloride*. p.220.

Balikhin, V.S., Reznichenko, V.A. - Solubility of aluminum and titanium chlorides in fused [illegible] p.225.

Balikhin, V.S., Reznichenko, V.A. - Electrolytic separation of binary alloys in the system [illegible] p.230.

Anufrieva, N.I. - Electrode processes in titanium refining. p.236.

Anufrieva, N.I. - Studying individual problems in the technology of electrorefining titanium. p.242

Ogorodneva-Zakharova, N.V. - Determination of low valence titanium in fused chloride electrolytes p.249.

Mirochnikov, V.S., Reznichenko, V.A. - Investigations on the hydrometallurgical treatment of cathodic residues of titanium in presence of the chloride-bearing salts. p.252.

Reznichenko, V.A., and others - Smelting titanium in a DVP-200-500 furnace. p.255.

Blanter, M.E., and others. - Effect of titanium structure on the structure of its scale. p.264.

Gavritenko, IU.P., Cherednichenko, IU.N., Ilin, I.S. - Obtaining intricate, thin-walled titanium parts by casting in shell molds. p.270.

Samsonov, V.P., Shcherbakov, I.A. - A method of obtaining titanium carbide parts. p.274.

Model', M.S., Rudneva, A.V., Dmitrovskii, I.S. - About the system CaO, TiO2 - TiO - TiO2. p.278

TRANSPORT I KHRANENIE NEFTI [TRANSPORTATION AND STORAGE OF PETROLEUM]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry]. Moscow, no.1, 1963.

Table of contents translated

Kulikov, A.A. - Ways of further technical progress

in the transportation and storage of petroleum and petroleum products p 3

Kochubin, B A - Experience in using 14II-12x2 centrifugal pumps in petroleum pumping stations p 6

Khlupin, L P - Standard designs for pipeline crossings over swamps and small impediments p 10

Komissarov, G A - Automation of a water-pumping station p 14.

Oleinik, V P - Automation of a pumping unit p 17

Bobrovskii, S.A , Terekhova, N M - Consecutive pumping of petroleum products controlled by their viscosity p. 19

Gavrilenko, N.I., Sigachev, V.K - Experimental gasoline-vending pump in a service station. p 23

Anoprlev, M N - Column for filling two-cycle engines with a gasoline-oil mixture p 27.

Kirtushkin, K.I - Quick-acting closing device p 28

Bykov, V V Results of the activity of a design and supervision office p 29

Bondarenko, L.A., Kudofirov, G Sh. - Centralized base for Ufa petroleum refineries p 30

Savitskii, V. B - Some problems of seasonal variations in the consumption of petroleum products p 32

Khapov, I O. - Supplying the national economy with petroleum oils and lubricants. p 34.

*TSVETNYE METALLY [NONFERROUS METALS]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U S S R.] and others. Moscow, vol. 36, no. 8, Aug. 1963.

Table of contents translated

Under the banner of communist ideology for the creation of a material and technical base of communism. p. 1.

Zubarev, V.I., Beregovskii, V.I., Figurkov, I.V. - Transfer to oxygen-blown smelting of the Almalyk Copper Smeltery and an increase in its capacity. p. 6.

Sedchenko, A.M., and others. - Improving the quality of flotation concentrates in the dressing of Kazakhstan complex metal ores. p. 10.

Bochatov, V.A., Khalkakov, I.D., Azhannikov, G.I. - Ways of improving the quality of concentrates during the dressing of Ural copper-zinc ores. p. 12.

Svirin, V.G. - A further improvement in the design of KMD-2200 U/TM crushing machines should be made without delay. p. 17.

Shalygin, I.M., Dlomidovskii, D.A. - Investigating the nickel matte converter process with top blowing and a continuous overflow of slag. p. 20.

Kinetics of autoclave leaching of cobalt matte and considerations on the choice of a type of autoclave. p. 31.

Kubyshev, N.N. - Improvement of shaft furnace lead smelting. p. 37.

Smirnov, M.P., and others. - Pilot plant development of a continuous method of lead softening in the presence of alkalies. p. 43.

Kuznetsov, S.I - New opinions on the nature of aluminate solutions. p. 43.

Lainer, A.I., Kotleva, I.U. - Laboratory and pilot plant investigations on desiliconizing aluminate solutions at atmospheric pressure and with large amounts of white mud. p. 57.

Knyazev, E.A. - Hydrolysis of germanium tetrachloride. p. 63.

Blukova, I.V. - Titanium corrosion in acid and salt solutions. p. 66.

Matveeva, Z.I., Press, IU.S. - Using modified solvents for the selective recovery of germanium. p. 69.

Golovinov, M.F., and others. - Extrusion of pipe of varying cross sections. p. 72.

Lainer, D.I., and others. - Rate of cooling silicon-copper alloys. p. 76.

Moshchanitsova, V.I., Mitrofanov, S.I. - Effect of the quality of cement concentrates and their preheating on the output of filters. p. 79.

Zlatev, V.I., Tanutrov, I.N. - Behavior of impurities and hydrogen on the fire refining of copper. p. 80.

Mitin, I.I., Sokolov, M.A. - Hydrodynamic ultrasonic emulsifier. p. 83.

Arastanova, N.K., Kapel'ko, S.F. - Apparatuses for the sampling of granular materials. p. 85.

Plushkin, M.Z., Litvinova, T.I., Bakhturina, F.F. - Skull formation in bauxite sintering furnaces. p. 87.

Beliaev, A.I., Kostiukov, A.A. - Conference of workers in the aluminum industry on the composition of electrolytes. p. 89.

Il'chev, S.I., Smirnov, V.I., Mishin, V.D. - Technical progress in plants of nonferrous metallurgy in the People's Republic of Bulgaria. p. 92.

Lebedev, G.I., Kuznetsov, V.P. - Review of G.S. Berger's book "Flotability of minerals." p. 95.

VOPROSY PROIZVODSTVA STALI [PROBLEMS OF STEEL PRODUCTION]. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut metallurgicheskogo mashinostroeniia [All-Union Scientific Research Institute of Metallurgical Machine Building] and Ukrainskii nauchno-issledovatel'skii institut metallov [Ukrainian Scientific Research Institute of Metals]. Moscow, no. 9, 1963.

Table of contents translated

Greben', K.A. - Improving heat processes in open-hearth furnaces. p. 29.

Pokottilo, E.P., Khil'ko, M.M. - Redesign of open-hearth furnaces. p. 46.

Prokhorenko, K.K., and others - Improving the technology of smelting and pouring stainless steel. p. 51.

Nakonechnyi, N.F. - Plasticity of stainless austenitic steels during rolling, depending on their secondary oxidation during pouring. p. 65.

Emel'ianenko, IU.G., Prokhorenko, K.K., Tiutina, A.E. - Electrolytic separation of nonmetallic inclusions in stainless steel. p. 73.

Efimov, V.A., and others - Measures for improving the top pouring of steel. p. 79.

Osipov, V.P., Ermakov, B.A. - Investigating the top pouring of electric-furnace steel. p. 96.

Grebenluk, V.P. - Efficient shape of sheet ingots of killed steel. p. 105.

VOPROSY RUDNICHNOGO TRANSPORTA [PROBLEMS OF MINE HAULAGE]. Issued by Dnepropetrovskii gornyi institut [Dnepropetrovsk Mining Institute] Moscow, no. 7, 1963

Table of contents translated

Foreword. p 3.

Polikov, N.S. - Research performed by the Dnepropetrovsk Mining Institute on problems in mine haulage. p. 4

Bilichenko, N.IA., and others. - Comprehensive experimental studies of the KRU-350, KRU-260, and KRU-260A mine conveyors. p. 17.

Bilichenko, N.IA , and others - Experimental studies of a heavy-duty belt conveyor at the Krivoy Rog Southern Mining and Ore Dressing Combine p. 45.

Zavgorodnii, E.Kh., Bilichenko, N IA , Vysochin, E.M - Velocities of the propagation of an elastic wave in conveyor belts. p. 57

Goncharevich, I.F. - Designing vibratory pneumatic conveying apparatus. p. 150.

Smirnov, V.K - Operation of safety fluid couplings in the braking process. p. 162.

Smirnov, V.K. - Distribution of forces in the chains of two-chain scraper conveyors. p. 168.

Kuznetsov, B.A. - Movement of a two-axle electric locomotive around a curve while pulling. p 172.

Volotkovskii, S A , Rengevich, A.A , Kuz'kin, A.I. - Establishing a parametric series for electric mine locomotives. p. 182.

Rengevich, A.A., Mekheda, M.K. - Calculation of the weight of a train for conditions found in Krivoy Rog Basin mines. p. 195

Khlistun, V.I., Shcherbakov, M I. - Calculation of the basic parameters of locomotives with gyroflywheels. p. 210.

Faddeev, B.V., Mamaev, K.N., Volotkovskii, V S. Methodology used in tensiometric studies of belt conveyors p 63

Zapenin, I V , Karbasov, O G , Solod, G I. - Elastic properties of conveyor belts p 74

Golutvin, V A - Efficient launder shape for a belt and increase the productivity of belt conveyors p. 81.

Zhukovitskii, V.I. - Error of conveyor scales without a speed transducer. p. 86.

Bakholdin, B.A., Leskevich, V.I. - Stage drive for heavy-duty belt conveyors. p. 94.

Potnaev, V.N. - Principles of the dynamic calculation of resonance conveyors and screens with nonlinear elastic connections. p. 101.

Potnaev, V.N., Franchuk, V.P. - Principles for designing pneumatic shock absorbers for vibratory machines. p. 141.

Petukhov, N.N. - Study of the aerodynamic losses for friction of gyroflywheels in inertial mine locomotives. p. 223.

Volkov, V.G. - Effect of the magnetization of the wheels of an electric mine locomotive on the specific value of the tangential pulling force. p. 240.

Rengevich, A.A. - Basic resistance of rolling stock to moving in starting. p. 244.

Novikov, E.E. - Experimental studies of bearing assemblies of mine car chutes with conical roller bearings. p. 250.

Kuznetsov, B.A. - Standards for the radii of curves for two-axle mine rolling stock p. 254.

Podoprigora, A.S., Bakholdin, B.A., Novikov, E.E. - Inscribing vehicles in inclined curves of mine railroads. p. 270.

Mitelko, A.I. - Use of electronic computers in rail transportation. p. 276.

Babenko, S.F., and others. - Study of the 2PPN-1 rock loader. p. 286.

Polulanskii, S.A., Dikhtiar, A.A - Dynamics of the working part of loaders with the bucket on a rocker arm. p. 300.

VSESOIUZNYI NEFTEGAZOVYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Krasnodarskii filial. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF PETROLEUM AND NATURAL GAS. Krasnodar Branch. Transactions]. Moscow, no. 1, 1959. Geologicheskii sbornik [Geological papers].

Table of contents translated

Antonova, Z.A. - Miliolid fauna from Jurassic sediments of the Laba basin. p. 3.

Borisenko, N.N. - Upper Eocene Radiolaria of the Kuma series in the western Kuban. p. 33.

Grossgeim, V.A. - Miocene sediments in the central part of the Western Kuban trough. p. 46.

Grossgeim, V.A. - Miocene cross section of the Ukrainian anticline (northwestern Caucasus). p. 66. B 16h

Egoian, V.L. - Lower Cretaceous sediments in the Ubinka Valley (northwestern Caucasus) p. 72.

Zhabrev, I.P., Burlak, V.N. - Some problems of the Middle Pliocene stratigraphy of the Taman Peninsula. p. 95.

Shardanov, A.N., Pekio, V.P. - Tectonics and history of the formation of buried folds in the zone of the southern edge of the Western Kuban trough and outlook for finding oil and gas in the Mesozoic p 100

Shardanov, A.N., Nikoforov, B.M. - Geological history and structure of the Veysk-Berezan' region in the Scythian platform. p. 118.

Shardanov, A.N. - Tectonics of the southeastern Caucasus as compared to the northwestern Caucasus. p. 137

Zhabrev, I.P. - Development of fold structure of the Western Kuban foredeep trough. p. 166.

Burlak, V.N. - History of the geological development of the Eastern Kuban trough in the Neogene. p. 190.

Aladatov, G.M., and others. - Practice of complex studying thinly alternating flysch-type reservoir rocks in the western Kuban p 202.

Velichko, A.V. - Degree of accuracy in appraising petroleum reserves in category A. p 222.

Velichko, A.V - Methods of the determination of boundaries of a producing area. p. 230

Zhabreva, P.S. - Cone-in-cone structures in Lower Cretaceous sediments of the northwestern Caucasus. p. 237.

Garbuzova, A.G. - Kuma sediments in the western Kuban p 243.

Gorlov, S.I. - Hydrogeology of Cretaceous sediments in the Veysk-Berezan' region p. 256.

Kofanov, K.P. - Geochemical classification of hydrocarbon gases. p. 279.

*ZAVODSKAIA LABORATORIIA [THE FACTORY LABORATORY]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR and Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U. S. S. R., and the State Committee of the Council of Ministers of the U S S.R. for the Coordination of Research]. Moscow, vol. 29, no. 8, 1963.

Table of contents translated

Development of electron microscopy p. 899.

Babko, A.K - Development of analytical chemistry in 1962; survey. p. 901.

IAkovlev, P.IA., Kozina, G.V. - Methods for determining boron in steels and alloys, survey. p. 920.

Kliachko, IU A., Izmanova, T.A., Chistiakova, E.M. - Determination of gases in molybdenum sheet. p. 923.

Kreshkov, A.P., Myshliaeva, L.V., Krasnoshchekov. - Benzidine method for determining silicon in some organosilicon compounds. p. 924.

Rachinskii, V.V., Kolosov, I.V - Determination of the absorption capacity of ion exchange resins by a gravimetric method. p. 926.

Krivoruchko, T.D. - Determination of nitrogen-containing organosilicon compounds in the air. p. 927.

Pats, R.G., and others. - Polarographic determination of lead and tellurium in technical selenium. p. 928.

Rozenblium, E.N., Pochtman, Zh.IA. - Determination of antimony with phenylfluorone in active lead masses. p. 929.

Khodakov, IU.V., Zhuravleva, T.M., Mil'chenko, V.V. - Determination of chromate and dichromate simultaneously p 929.

Filimonov, L.N. - New means for improving the reproducibility and the correctness of the spectral determination of the principal components of alloys. p. 930.

Averbukh, M.A - Error in spectral analysis connected with the nonlinearity of the characteristic curve of the photoplate. p. 936.

Gusel'nikov, A.A. - Use of acone-shaped intensely sharpened for the spectral analysis of powdered samples. p. 937

Kolbasov, V.I., Bardenshtein, S.B., Dzhagatspanian, R.V - Quantitative analysis of impurities in chloroform from their infrared absorption spectra. p. 938.

Terent'ev, V.A., Shabunov, M.A. - Determination of tertiary amyl alcohol in the pentane-amylene fraction from infrared spectra. p. 940.

Makarevich, N.I., Borisevich, N.A. - Method of pressing samples for obtaining infrared spectra p. 941.

Gozhenko, N.A., Malinko, V.N - Express quantitative analysis of solutions of chloro derivatives of methane from infrared absorption spectra. p. 943

Usikov, M.P., Ütovskii, L.M. - Direct observation of the interaction of dislocations with particles of the second phase. p. 944.

Smirnova, A.V. - Electron microscope study of the structure of dispersion hardened alloys based on Fe-Ni-Cr p. 948.

Kokorin, G.A. - Electron diffraction and electron microscope examination of a transition layer of tin plate. p. 952.

Spiridonov, V.B., Skakov, IU A., Iordanskii, V.N. - Use of the method of thin metallic foils for studying the morphology of martensite. p. 955.

Sokol, V. A., and others. - Use of electron microscopy in solving some problems of chemical technology. p. 956

Zemtsunova, L. I., Llapina, A. M. - Structure of the surface of porous, coarse-grained, and powder objects. p. 960

Tul'chinskii, B. S., Satunovskii, IA. A. - Electron microscope study of catalysts on fibrous carbon. p. 962

Sutovisev, G. G., Tkachenko, E. A. - Electron microscope study of oriented preparations of clay minerals. p. 965.

Belavtseva, L. M., Gumnatgalieva, K. Z. - Study of synthetic polymers and molecular crystals by the negative contrast method. p. 966.

Pechkovskaia, K. A., and others. - Use of electron microscopy for evaluating the distribution of carbon black in rubber compounds. p. 968.

Shtokina, N. L., Smelianskii, V. L. - Electron microscope study of polymer-cement suspensions. p. 970.

Spiridonov, V. B. - Obtaining thin films of aluminum and its alloys for studying in a light-transmitting electron microscope. p. 972.

Marikhin, V. A. - Obtaining structureless replicas for electron microscopy. p. 973

Poliakov, S. M., Zimina, T. S. - Obtaining replicas by the simultaneous evaporation of carbon and preshadowed substance. p. 973.

Kokorin, G. A., Lopatin, V. I. - Determining the magnification of an EM-5 electron microscope. p. 974.

Marikhin, V. A., Romankova, L. P. - Preparation of microsieves for electron microscopy. p. 975.

Okhrimenko, IA. M. - Method for determining the yield strength of a metal at high temperatures p. 976.

Markovets, M. P. - Method for determining plasticity characteristics without the use of samples. p. 978.

Tumanov, V. I., and others. - Determination of the tensile strength of solid alloys. p. 981.

Kontukhov, A. D., D'iakonov, V. N. - Testing the bearing strength of a rail steel under repeated impact stress p. 984.

Lubarskii, I. M., Tunovskii, M. L. - Using a method of cut out craters for the measurement of the local wear of rolls. p. 986.

Geisov, L. D. - On the parameter m of tension curves. p. 986.

Polukhin, P. I., and others. - Use of volumetric component models in the study of the strength of rollers by an optical method. p. 990.

Kupershtiak-IUzefovich, G. M. - Measurement of deformations on the bases of less than 3 mm. p. 993.

Tomashevskii, E. E., Slutsker, A. I. - Device for maintaining constant stress in an uniaxially stretching sample. p. 994.

Gerasimov, V. D., Kuznetsov, G. A., Fomenko, L. N. - Apparatus for the thermomechanical study of polymers. p. 996.

Poluektov, N. S., Grinzaid, S. E. - Device for the atom-absorption spectrophotometry of a flame. p. 998.

Lebedev, E. I., Reshina, I. I., Sakin, I. L. - Attachments to infrared spectrometers. p. 1000.

Ivanov, N. P., Andrikanis, E. N. - Analytical use of a gas discharge tube with a double hollow cathode. p. 1002.

Buravlev, IU. M., and others. - Use of a rectified condensed spark for spectral analysis of alloys. p. 1005.

Fivelskaia, A. K., IAkovlev, S. A. - Method of attaching windows of optical crystals to lamps and cuvettes. p. 1007.

Mukhin, G. A., Veksler, M. A., Bolarinov, A. I. - Laboratory high-frequency automatic titrator.

Levin, E. E., Mel'nikov, L. S. - Ultrasonic dispersion of powder objects for electron microscope studies p. 1022.

Rebinder, P. A., Vlakhirev, D. A. - "Gas chromatography" by A. A. Zhukhovitskii, M. N. Turkel'taub. p. 1023.

Rachinskii, V. V. - "Paper chromatography." p. 1024.

17. MILITARY & NAVAL SCIENCES

a. MILITARY SCIENCE

BRATSTVO KOLYSHNIKIV VOIAKIV PERSHOI UKRAINS'KOI DYVIZII UKRAINS'KOI NARODNOI ARMII. Visti [BROTHERHOOD OF FORMER SOLDIERS OF THE FIRST UKRAINIAN DIVISION OF THE UKRAINIAN NATIONAL ARMY. News] Munich, vol. 14, no. 109, Mar., 1963.

KOMMUNIST VOORUZHENNYKH SIL [COMMUNIST OF THE ARMED FORCES]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 3, no. 16, Aug 1963

Table of contents translated.

Editorial: Fight sharply in the party manner against bourgeois ideology. p. 3.
Skliadnev, G. - The Soviet Army is an army of proletarian internationalism. p. 8.
Stepchenko, F. - Lenin's style in the work of each party collective. p. 17.
Moroz, I. - Ideological work is in a great ascent. p. 26.
Petukhov, N. - Control in operation p. 32.
Podol'skii, A. - Radiotechnical troops on combat watch. p. 36.
Shchepankov, N., Krylov, A. - Independence and initiative of the aviation officer. p. 44.
IAshukov, M. - Laws of armed combat and the creative work of the commander. p. 50.
Winter is not beyond the mountains! p. 58.
Karpov, V. - Beginning of the great path. p. 61.
Tikhonov, I. - Restless character. p. 64.
Vasil'ev, IU. - In the spirit of revolutionary vigilance. p. 66.
Sotnikov, S. - The seminar is a school for leaders of the group. p. 69.
Semiokhin, I. - Why the beacon went out. p. 71.
Mamaev, A. - Inculcate ideological convictions in the defenders of the homeland. p. 75.
Kashirin, S. - Activists are tempered in the collective. p. 82.
What is the order of assignment to the urgent construction projects of the countries? p. 85.
Bakhmet'ev, N. - In aid of the party activist group. p. 86.
The main theme. p. 90.
Relay race of heroism. p. 91.
News of party and political work. p. 93.
Follow-up of our articles. p. 96.

NASHA PEREKLICHKA [OUR ROLL CALL]. New York, vol. 3, no 35(135), Dec. 1962; vol. 4, nos 38(138), 40(140), Mar., May 1963.

NASHI VESTI [OUR NEWS]. Published by Soiuz chinov Russkogo korpusa [The Association of Members of the Russian Corps]. New York, vol. 19, nos. 200, 202-203, Feb., Apr.-May 1963.

VESTNIK PERVOPOKHODNIKA [HERALD OF THE FIRST CAMPAIGN VETERANS]. Issued by Pravlenie Kaliforniiskogo obshchestva uchastnikov 1-go Kubanskogo generala Kornilova pokhoda [Administration of the California Association of Veterans of General Kornilov's First Kuban Campaign]. Los Angeles, no. 20, May 1963.

b. NAVAL SCIENCE

LENINGRAD. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MORSKOGO FLOTA. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE MERCHANT MARINE. Transactions]. No. 45, 1963. Perspektivnye tipy morskikh sudov [Prospective types of seagoing ships].

Table of contents translated:

Sokolov, L. G., and others. - Investigating the architectural design type of a general purpose dry-cargo ship of 3000-4000-ton deadweight capacity. p. 3.
Bogdanova, Z. V., and others. - Results of investigating the propulsive speed and seaworthiness of ships with bulging outlines. p. 27.
Vinogradov, I. V. - Increasing the speed of propulsion of seagoing cargo ships. p. 38.
Logvinovich, E. G. - Changing operational and economic indices in varying the structural features of ships. p. 45.
Plenkin, IU. A. - Characteristics in the choice of basic elements of seagoing mud scows. p. 56.
Plenkin, IU. A. - Emergency heeling of mud scows. p. 67.

MORSKIA ZAPISKI, THE NAVAL RECORDS. Issued by Obshchestvo ofitserov Rossiiskago imperatorskago flota v Amerike [Association of Russian Imperial Naval Officers in America, Inc.]. New York, vol. 21, no. 1(58), Sep, 1963.

MORSKOI FLOT [THE MERCHANT MARINE]. Issued by Ministerstvo morskogo flota SSSR [Ministry of the Merchant Marine of the U.S.S.R.] Moscow, vol 23, no. 5, May 1963.

Table of contents translated

Baev, S. - Toward a new improvement in the economic aspects of the merchant marine. p. 1
Kocherga, V. - Crew of the steamer "Chernigov" is picking up speed in socialist competition p. 4
Goldobenko, A. - Ways of improving the carrying capacity and the profitability of the merchant marine. p. 6.
Kazlev, K. - Over-all mechanization of the loading and unloading of grain in Krasnovodsk p. 9.
Sterkin, E. - Supplying the merchant marine on quarterly statements. p. 12
Bol'menko, E. - Timely question p. 13
Mikheev, A. - Ship handlers of local and harbor craft should have the training of a mechanic p. 14
Dvinin, V., Dralov, G. - Radio direction finding trainer. p. 15
Kotiukh, A. - Observation of echo signals from ice with the help of radar p. 17.
Revunenkov, B. - One can choose a better course through the Straits of Florida. p. 19.
Karmalin, N. - Improvements in the ultrashort wave radio station of the steamer "Olonets." p. 20.
Nikerov, P. - Emergency salvage operations at sea p. 21.
Neupokoev, A. - Automatic control of the propulsion system on the diesel-electric motorship "Amguema" p. 23.
Chukashev, IU. - Marine electric power plant of the "Arkhangel'skles"-type lumber carrier. p. 26
Charnovskii, V., Kovnatskii, A. - For a reliable performance of loading winches. p. 29.
El'kinbard, G. - Improving the planning of ship repair enterprises. p. 30.
TSigler, V., Bulakh, V., Cherkasov, A. - Using kaolin daub in combustion chamber diffusors of auxiliary marine boilers. p. 31.
Concerning P. Khokhlov's article "Determining the center of gravity of a vessel during an inclining experiment with trim difference." p. 33.
Ship repair workers are waiting for electrodes p. 34
Bogdanov, L. - State of the world tanker fleet. p. 35
Egorov, L. - Marine arbitration in foreign countries p. 36.
Meleshkin, V., Meleshkin, G. - Mooring with the help of electromagnets p. 38
Brief news from foreign countries. p. 40.
Rozenshtrakh, M. - Work experience of inner harbors according to multiple norms. p. 41.
Captain of a young crew. p. 42.
Bureau of public marine designers. p. 42
Progressive cargo handling organizations in harbors p. 42.
Innovators in ship repair plants p. 43.
Statute of the Department of Technical Control. p. 43.
In order to improve the organization of technological information. p. 43.
Follow-up of published materials. p. 44.

Vol. 23, no. 6, June 1963.

Table of contents translated

Let the "Communist Youth Searchlight" shine brighter in the merchant marine. p. 1.
Livshits, S., Pluzhnikov, A. - Keep her sail p. 3.
Dolban, A. - Improve planning operations in seagoing steamship lines. p. 5.
Savin, N. - System of indices and work gauges in the passenger fleet. p. 8.
Fridenshtein, IA. - Responsibility for the nonfulfillment of the transportation plan for export and import cargoes. p. 10.
Gas'kov, L. - Use of helicopters for the transshipment of cargoes on roadsteads. p. 11.
Borodin, S. - Loading mahogany in the Takoradi harbor, in Ghana. p. 13.
Pokras, V., Shif, V., Retman, A. - Modernizing the hydraulic oil pump drive on 4000M and 4003 fork lift trucks. p. 14.
Chernyshev, V. - Technical possibility of automating the process of ships passing clear of each other. p. 16.
Belykh, V. - Astronomical control points and their use for the determination of coordinates. p. 16.
Vinichuk, I. - Original and easily remembered rule on storms and strong winds. p. 20.
Lavrov, V., Pozniak, I. - Causes of ice formation in ice boxes. p. 21.
Shvorin, G. - Using tanker loading systems for the warming-up of petroleum products by heated jet. p. 22.
Chekha, E. - Efficient design and the reduction of building costs for large-capacity tank vessels. p. 25.
Glusker, IA., Semenov, L. - Some regularities in the wear of medium trawler hulls. p. 27.
TSarinnikov, V., Gritsai, V. - New deck covering. p. 30.
Korotkov, V. - Introduction of the International System of Units in the U.S.S.R. p. 31.
Greater attention to the protection of engineering structures in sea harbors; review of letters received. p. 34.
Vol'kenson, G. - Development of volunteer participation in the Black Sea basin. p. 35.

Kiaev, V. - International regulations on the transportation of dangerous cargoes by sea. p.36.
Tekele, D. - Shipbuilding in the Hungarian People's Republic. p.38.
Data on marine accidents in the world fleet. p.41.
Shu-Baronov, L. - Legal conditions of territorial waters and open seas p 42.
Let us make a high level technical inspection of the operations of the fleet. p.43
Serving passengers at harbor terminals p.43.
The best are recognized by certificates and awards. p.44.
New technological publication "Power engineering and transportation." p.44
Follow-up of published materials. p.44.

RECHNOI TRANSPORT [INLAND WATER TRANSPORTATION]. Issued by Ministerstvo rechnogo flota [Ministry of the River Fleet] Moscow, vol.22, no 6, June 1963.

Table of contents translated:

Vidotskii, A. - Technical operation of ships to meet modern objectives. p.1.
Results of carrying out the April-May plan of cargo transportation and handling. p.4.
Makeev, M. - Increase the profitability of passenger transportation. p.5.
Medvedev, A. - Expansion of passenger traffic on the Volga. p.7.
Kibal'nik, F., Chigvintsev, A. - New developments in the operation of harbor equipment. p.8.
Ivanenko, V. - Most important potentiality for increasing labor productivity. p.9.
Shirlaev, A. - Single technological process in harbor and station operations. p.11.
Zvonov, V. - Freight transportation on pallets. p.13.
Chukhlomin, V. - In friendship with machinery. p.14.
Kazakevich, A. - Over-all mechanization for the handling of short logs. p.16.
Kuz'min, V., Reznichenko, U. - Floating rafts without accident. p.17.
Soiuzov, A. - Potentialities in the traffic capacity of piers. p.19.
Davydov, M. - Economize fuel and use it carefully. p.22.
Kuiochkin, A., Il'ichev, A. - Potentialities of a plant. p.25.
Sandler, L. - Investigating the propeller-nozzle complex for cargo and passenger ships. p.26.
Sadovskii, G. - Increasing the efficiency of channel dredging operations. p.29.
Gurevich, V. - Workers of the State Institute for Research and Planning in River Transportation are striving for technological progress. p.31.
Bodrov, G., Levyi, G. - Using hollow reinforced concrete piles. p.35.
Balanin, V., Karasin, M. - Improve the mooring of ships in navigation lock chambers. p.36.
Polumin, A. - Calculating the safe speed of ship propulsion in shallow waters. p.39.
Blidman, A. - New method of unloading grain from boxcars. p.41.
Danilov, I. - Changing a diesel-generator plant on "Ganta"-type floating cranes. p.43.
Bannikov, A. - Damage detector in the electric circuit of a floating crane. p.43.
Vorob'ev, G. - Permanent affectation of ships to lines. p.44.
Vakulov, N. - Eight navigation seasons without the necessity of medium-type repairs. p.45.
Magdalinskii, N. - Work on schedule. p.46.
In the Collegium of the Ministry of the River Fleet. p.46.
Vladimirov, S. - In foreign countries: New means of increasing the safety of ship maneuvers. p.47.
Kudriashov, P. - In foreign countries: Movable scaffolding for ship-raising structures. p.48.
Bookshelf. p.48.
Kotel', I. - Useful book. p.49.
Udod, L. - Manual with defects. p.50.

Vol.22, no.7, July 1963.

Table of contents translated:

Put into operation the resolutions of the June plenum of the Central Committee of the CPSU. p.1.
Kharitonov, V. - The group is the educator of the man of the future. p.4.
Sixtieth anniversary of the Second Congress of the Russian Social Democratic Party. p.6.
Chebotarev, M. - Expansion of inland water transportation during four years of the seven-year plan. p.6.
Denis'ev, A. - Improve the indices of planning river transportation. p.9.
Mironov, V., Lupichev, N. - Flexible containers for the transportation of petroleum products. p 11.
Nikulin, M. - Prospects of technical progress in harbors. p.13.
Aleiner, A. - Stabilizing universal floating cranes and the allowable angles of heel. p.16.
Murav'ev, A., Zin', E. - Different systems, different ways. p.18.
Belov, N. - Ways of expanding the ship repair base of the Ministry of the River Fleet. p.21.
Lesiukov, V., Khoze, A., Egorov, G. - Operational conditions of project 732 ships. p.22.
Bronshtein, S. - Unification in the design and construction of ships. p.25.
Aleksandrov, A. - Determining the effective power of an engine in operating conditions p.27
Sennikovskii, N. - Technical re-equipment in pumping machinery. p.30
Subbotin, A. - Technical progress in channel maintenance equipment. p.32.
Zemblinov, A. - Photogeodetic tying-in of depth measurements. p.35
Volkov, V. - Results of testing mechanical loosenors p.38.
Khlopenkov, P - Floating ring with hydraulic brakes p.40.
Galashov, N., Pospelov, I. - Complex use of light pulse flagging-off signals and microwave radio stations on ships of the United Volga Steamship Lines. p.41.
Oreshkin, K. - Use of infrared apparatuses on river ships. p 43.
Zelichenko, A - Universal two-position tapping machine for the reseating of valves. p.45.
Danilichev, S. - First Soviet journal on water transportation. p.47.
In the Collegium of the Ministry of the River Fleet. p.48.
Poltanskii, V. - Ways of improving the operation of the electrical equipment of "Raketa"-type ships. p.49
Simakov, I. - How a collision of tow trains was prevented. p.50.
Rusakov, K. - In favor of the course "Special sailing directions." p.50.
Viazemskaia, N., Zubkov, V. - Use of glass-reinforced plastics as ground protection layer in the building of embankments. p.51.
Kazakov, A. - New vertical ship raising structure on the Dortmund-Ems Canal. p.52.
Rubtsov, A. - Shortcomings of two books on the electrical equipment of ships. p.54.

REFERATIVNYI ZHURNAL: VODNYI TRANSPORT [JOURNAL OF ABSTRACTS WATER TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.9, Sep. 1963. [This journal is also issued in parts.]

RUSSIA (1923- U.S.S.R.). Ministerstvo morskogo flota. Tekhnicheskoe upravlenie. Biulleten' tekhniko-ekonomicheskoi informatsii [Ministry of the Merchant Marine. Technical Administration. Bulletin of Technical and Economic Information] Leningrad, vol.7, no.10(60), 1962.

Table of contents translated:

Greater attention to labor protection in the merchant marine. p.3.
Tankers of the "Ogre" type. p.3.
Briker, A.S., Kultashev, E.N. - Utilizing the hull space in "Arkhangel'sk"-type motorships. p 15
Karandashov, B.S. - Automatic gas analyzer p 28.
Khudov, N.I. - Analysis of engine performance on "Vasil'Kolarov"-type ships with different propellers. p 32.
Bondarchuk, D.L. - Condenser installations on the tank vessel "Druzhba" ["Friendship"] p 42.
Ermilov, V.G., Levin, V.M. - Control of the operating conditions of condenser installations on "Leninskii Komsomol" and "Sergei Botkin" -type ships. p.45.
Rusakov, Z.G. - Analyzing the breakdown of marine boilers from the soiling of heating surfaces p.54.
Plavinskii, V.A., Vasil'ev, IU.N. - Fuel systems of free piston gas generators. p.57
Aronov, O.N. - Steering gear with an electric drive and magnetic amplifier on motorships of the "Kiasnograd" type. p.71.
Pass, A.E., Stetsiuk, V.E. - L
study of microclimate in ship
Mineev, E.P. - Self-propelled p
Gekhman, IU.L., Shvarts, S.S.
unloading of ships in the Odes
Zhuchenko, V.A. - Hydraulic ej
heads for suction dredges. p
Karpova, F.I. - Practices of th
the electrolytic cleaning of te
Sailing safety of seagoing ships.
Buoys for measuring a ship's ag
p.113.
New fork lift truck for work in r
p.114.
Conditions for the passing of sh
through the Suez Canal. p.1
New state standard "Stoke hole
boilers in the merchant mari

Vol.7, no.11(61), 1962.

Table of contents tra

Carrying out the main objective
plan in sea transportation for
Antsupov, G.E. - Results of op
type ships. p.16.
Skirda, I.K. - Modernizing of
p.23.
Shul'man, G.S., Beniavskii, F
potential on the case of a ma
p.26.
Katsman, F.M., Kudrevatyi, C
made of plastics. p.31.

Technical and economic conference "Prospects of ex- B 17b
panding and ways of improving the organizations of shipping in the Far-Eastern Basin." p 41
Tikhonov, V.P. - Direct method of cargo handling p.45
Novikov, T.N. - Labor protection during work with epoxy resins. p.53
Seminar of electric power engineers. p 57.
Mitrofanov, V.F. - Brief review of research carried out by the "All-Union Scientific Research Institute for the Design and Planning of Establishments for the Merchant Marine." p 59.
Development of shipping in Indonesia. p 67.
Equipment "Seatank" for the storage of petroleum products p 70
Direct container transportation in Australia. p 74.

SUDOSTROENIE [SHIPBUILDING]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po sudostroeniiu and Nauchno-tekhnicheskoe obshchestvo sudostroitel'noi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for Shipbuilding and the Scientific Technological Society of the shipbuilding industry]. Leningrad, vol.29, no.5(247), May 1963.

Table of contents translated

Floating herring-processing plant. p.1.
Volkov, B.N. - Determining the probability of a ship not sinking after having been holed. p.4.
Katsman, F.M., Asinovskii, V.I. - Calculating propeller characteristics with the help of fast-acting electronic digital computers. p.9.
Mirokhin, B.V. - Effect of listing on the wind drift of a vessel. p.12.
Chapkis, D.T. - Effect of irregular wear on the static strength of ship hull plating. p.14.
Rikunov, L.V. - Abolition of the steam smothering system in fuel tanks. p.15.
Burlak, V.D. - Advisability of using steam smothering systems on freighters. p.16.
Bibliography. pp.17, 30, 34, 36, 41, 45, 47, 56, 66.
Kurzon, A.G., Mezheritskii, A.D. - Selecting the optimum design power of a back stroke turbine. p.18.
Kozdoba, L.A. - Investigating temperature fields in the rotors of marine gas turbine plants in transient conditions. p.21.
Kriuchkov, IU.S., Chernov, S.K. - Approximate calculation of the lower frequency of free vibrations in pipelines. p.23.
Ermilov, V.G. - Estimating the values of heat transmission ratios in air ejector coolers. p.26
Shnitser, G.IA. - Nomogram for calculating the tensile stresses in turbine blades of variable cross section. p.28.
Tokarev, L.N. - Arrangement for the automatic distribution of active loads on marine synchronous generators. p.31.
Gushchin, I.E., Zaprudnov, E.M. - Launch made of plastic material. p.35.
Dodonov, N.T. - New heat insulating material "Asboteploizol" for the shipbuilding industry. p.47.
Kalmychkov, A.P., Prokhorov, B.F. - Strength of glued joints. p.38.
Rakhman, L.S. - Cost of products made of glass plastics. p.42.
Pozin, L.IA. - Reducing the number of final documents for new ships being built. p.45.
Nisenbaum, S.L. - Operation of short floating docks. p.46.
Pinson, I.I., Nikolaev, A.V. - Mechanizing the assembly of hull structures with the help of hydraulic turnbuckles. p.48.

B 17b

Vol. 29, no 7(219), July 1963

Table of contents translated

Refrigeration-transport "Tropik" ["Tropic"] p 1

Dorin, V S , and others - Advantage of designing large-tonnage tank vessels with excess metacentric height p 5

Mel'nichenko, G T - Windbreaker devices on ships. p 9.

Voevodin, N F. - Calculating the static stability of ships on a stern sea p 15.

Mal'tsev, N.M , Kogan, A.Sh - Plotting a diagram of static stability of ships on longitudinal waves. p 17.

Bibliography of shipbuilding. pp 19,47,55 70,78.

Kolnikov, V.M. - The economic advantage of using free piston gas generators in marine gas turbine plants p 20.

Alekseev'skii, D.A and others - Backing run torque converter for marine reverse gear p 23.

Krishtal', N.D - Graphic calculation of heat transmission coefficients. p 27

Brill', D E Orlov, IU M - Investigating valves for marine automatic control systems. p 30

Riabinin, I A - Quantitative evaluation of the reliability of marine electric power systems. p 32

Lydzhenskii, M M - Prospects for the use of electronic controlling machines for the automation of marine power plants p. 35.

Nikol'shpang, I B. - Regulator of the parallel operation of two mounted direct current generators with self excitation. p 38

Khilko, K.N., Gradzinskii, S.V. - RC circuits in control and protection systems of electric equipment on ships p 41

Rutkovich, K L , Birukovich, IU. L - Glider vessels made of glass cement. p 44

Sharov, IU.N. - Fatigue characteristics of the AMg-6t aluminum alloy p 48

Gromyko, A.G , Nesvetaev, IU.A. - Economic efficiency of electric arc metal cladding in ship repairs p 51.

Futter, E I - Improving methods of planning and record keeping in ship repairs p 53

Klemushin, F.M - Calculating the wear resistance of parts for marine internal combustion engines p 56

Ryzhikov, S.V - Cylindrical probe for measuring low speeds of ships p 60.

Soldatenko, V.A., Fundyler, L.M. - New diving equipment. p 62.

Epshtein, M.N - Anchoring pillar ends p 64

Zelikson, A.S. - Improved welding head for PDSR type semiautomatic machines. p 65

Matavin, A.A. - Soldering of aluminum and its alloys. p. 65.

Kunilko, G P - New method of rubber lining p 7

Avenirov, S P., Logunov, S P. - Activity of the Bureau of Economic Analysis in Shipbuilding Enterprises of the Leningrad Economic Region p 8

Zlobin, G P. - American experimental underwater winged passenger launch "Denison" p 72

West-German built ships p. 73.

French-built ships. p. 75

Yugoslavia-built ships. p 76

New type ship davit. p. 77.

Combination hatch davits. p 77

Kleshcheva, T.I - From materials of reports conferences p 79

Purgev, N I. - Work practices of the local committee of the Scientific Technological Society for the Admiralteiskii Plant. p 81.

One hundredth anniversary of Academician A.N. Krylov's birth. p. 82.

Andrei Mikhailovich Red'kin p 83

PART C

List of Periodicals Indexed and Abbreviations Used

† Titles listed for the first time

Agitator (6)	Agitator [Agitator]
Agrobiologiia (15a)	Agrobiologiia [Agrobiology]
Avt. prom. (16g)	Avtomobil'naia promyshlennosti' [Automobile Industry]
Avtom. i telem (16e)	Avtomatika i telemekhanika [Automatic and Remote Control]
Atom. tekh. za rub. (16e)	Atomnaia tekhnika za rubezhom [Nuclear Engineering Abroad]
Avtom., telem. i sviaz' (16e)	Avtomatika, telemekhanika i sviaz' [Automatic Control, Remote Control, and Communications]
Az. i Afr. segodn. (1b)	Azila i Afrika segodnia [Asia and Africa Today]
BIKI [Prilozh.] (5a)	Biulleten' inostrannoi kommercheskoi informatsii, prilozhenie [Bulletin of Foreign Commercial Information, Supplement]
Belarus' (1b)	Belarus' [White Russia]
Bezop. truda v prom. (16a)	Bezopasnost' truda v promyshlennosti [Industrial Safety]
Bibliotekoved. i bibl. za rub. (2b)	Bibliotekovedenie i bibliografiia za rubezhom [Library Science and Bibliography Abroad]
Biol. v shkole (13c)	Biologiia v shkole [Biology in Schools]
Biul. Inst. teor. astron. (13b)	Akademiia nauk SSSR. Institut teoreticheskoi astronomii. Biulleten' [Academy of Sciences of the U.S.S.R. Institute of Theoretical Astronomy Bulletin]
Biul. Ispol. kom. Mosk. gor. sov. (6)	Moscow. Ispolnitel'nyi komitet. Biulleten' [Executive Committee. Bulletin]
†Biul. izobr. i tov. znak. (16a)	†Biulleten' izobretenii i tovarnykh znakov [Bulletin on Inventions and Trademarks]
Biul. MOIP. Otd. geol. (12c)	Moskovskoe obshchestvo ispytatelei prirody. Biulleten'. Otdel geologicheskii [Moscow Naturalists' Society. Bulletin Geological Section]
Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota (17b)	Russia (1923- U.S.S.R.) Ministerstvo morskogo flota. Tekhnicheskoe upravlenie. Biulleten' tekhniko-ekonomicheskoi informatsii [Ministry of the Merchant Marine. Technical Administration. Bulletin of Technical and Economic Information]
Biul. Verkh. Suda (7)	Russia (1923- U.S.S.R.) Verkhovnyi Sud. Biulleten' [Supreme Court. Bulletin]
Bot. zhur. (13c)	Botanicheskii zhurnal [Botanical Journal]
Bukhg. uchet (6a)	Bukhgalterskii uchet [Accounting]
Den. i kred. (5c)	Den'gi i kredit [Money and Credit]
Dokl. AN BSSR (13a)	Akademiia nauk BSSR, Minsk. Doklady [Academy of Sciences of the White Russian S.S.R. Reports]
Dokl. AN SSSR (13a)	Akademiia nauk SSSR. Doklady [Academy of Sciences of the U.S.S.R. Reports]
Dokl. TSKHA (15a)	Moscow. Moskovskaia sel'skokhoziaistvennaia akademiia im. Timiriazeva. Doklady [Timiriazev Agricultural Academy of Moscow. Reports]
Doshk. vosp. (8a)	Doshkol'noe vospitanie [Preschool Education]
Doshk. vykh. (8a)	Doshkil'ne vykhovannia [Preschool Education]
Ekon. Rad. Ukr. (5b)	Ekonomika Radians'koi Ukrainy [Economics of the Soviet Ukraine]
Ekon. sel'khoz. (5b)	Ekonomika sel'skogo khoziaistva [Economics of Agriculture]
Elek. i tepl. tiaga (16g)	Elektricheskaia i teplovoznaia tiaga [Electric and Diesel Locomotive Traction]
Elek. sta. (16e)	Elektricheskie stantsii [Electric Power Stations]
Elektrichestvo (16e)	Elektrichestvo [Electricity]
Elektroenergetika (16e)	Elektroenergetika [Electric Power]
Elektrosviaz' (16e)	Elektrosviaz' [Telecommunication]
Energomashinostroenie (16g)	Energomashinostroenie [Power Machinery Construction]
Farm. alk. (14f)	†Farmakologiia alkaloidov [Pharmacology of Alkaloids]
Fel'd. i akush. (14g)	Fel'dsher i akusherka [Feldsher and Midwife]
Fil. i mery bor'. s nei (15d)	†Filloksera i mery bor'by s nei [Phylloxera and Measures to Control it]
Fin. SSSR (5c)	Finansy SSSR [Finance of the U.S.S.R.]
Fiz. met. i metalloved. (16h)	Fizika metallov i metallovedenie [The Physics of Metals and Metallography]
Fiz. tver. tela (13f)	Fizika tverdogo tela [Solid State Physics]
Geod. i kart (16a)	Geodeziia i kartografiia [Geodesy and Cartography]
Geofiz. sbor. (13f)	Akademiia nauk URSR, Kiev. Instytut geofizyky. Geofizicheskii sbornik [Academy of Sciences of the Ukrainian S.S.R. Institute of Geophysics. Geophysical Papers]
Geokhimiia (12c)	Geokhimiia [Geochemistry]
Geol. nefti i gaza (16h)	Geologiia nefti i gaza [The Geology of Petroleum and Gas]
Geol. rud. mestorozh. (16h)	Geologiia rudnykh mestorozhdenii [Geology of Ore Deposits]
Geol. zhur. (12c)	Geologicheskii zhurnal [Geological Journal]
Gor. zhur. (16h)	Gornyi zhurnal [Mining Journal]
Grazhd. av. (16b)	Grazhdanskaia aviatsiia [Civil Aviation]
Inform biul. nov. inostr. knig, postup. v Bibl. im. V.I. Len. Ser. 1 (2a)	Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriia 1: Fiziko-matematicheskie, khimicheskie i geologo-geograficheskie nauki; tekhnika i tekhnicheskie nauki [Public Library Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1. Physical, Mathematical, Chemical, Geological, and Geographical Sciences; Technology and Technological Sciences]
Inform biul. nov. inostr. knig, postup. v Bibl. im. V.I. Len. Ser. 2 (2a)	Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriia 2: Biologicheskie, meditsinskie i sel'skokhoziaistvennye nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological, Medical, and Agricultural Sciences]
Inform. biul. VDNKh (16a)	Moscow. Vystavka dostizhenii narodnogo khoziaistva SSSR. Informatsionnyi biulleten' [Exhibition of Achievements of the National Economy of the U.S.S.R. Information Bulletin]
Inform. sbor. TSNIIMF Mor. pravo i prak. (7)	Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. Informatsionnyi sbornik. Morskoe pravo i praktika [Central Scientific Research Institute of the Merchant Marine. Information Bulletin. Maritime Law and Practice]
Inform. ukaz. bibl. spis. i kart. (2a)	Informatsionnyi ukazatel' bibliograficheskikh spiskov i kartotek, sostavlennykh bibliotekami Sovetskogo Soiuza [Information Index of Bibliographical Lists and Card Files Compiled by the Libraries of the Soviet Union]
Inform. ukaz. stand. (16a)	Informatsionnyi ukazatel' standartov [Information Index of Standards]
Inostr. iaz. v shkole (11a)	Inostrannye inzyki v shkole [Foreign Languages in Schools]

Izv. AN SSSR. Ser. fiz. (13f)	Akademiia nauk SSSR. Izvestiia. Seriia fizicheskaia [Academy of Sciences of the U. S. S. R. Bulletin. [Physical Series]
Izv. AN SSSR. Ser. geofiz. (13f)	Akademiia nauk SSSR. Izvestiia. Seriia geofizicheskaia [Academy of Sciences of the U.S.S.R. Bulletin. Geophysical Series]
Izv AN SSSR Ser khim (13d)	Akademiia nauk SSSR Izvestiia Seriia khimicheskaia [Academy of Sciences of the U S S R Bulletin. Chemical Series]
Izv. AN Turk. SSR Ser. biol. nauk (13c)	Akademiia nauk Turkmenskoi SSR, Ashkhabad. Izvestiia, Seriia biologicheskikh nauk [Academy of Sciences of the Turkmen S. S. R. Bulletin. Series in the Biological Sciences]
Izv. AN Turk. SSR. Ser obshchestv nauk (1a)	Akademiia nauk Turkmenskoi SSR, Ashkhabad. Izvestiia Seriia obshchestvennykh nauk [Academy of Sciences of the Turkmen S.S.R. Bulletin. Series in the Social Sciences]
Izv. APN (8a)	Akademiia pedagogicheskikh nauk RSFSR, Moscow. Izvestiia [Academy of Pedagogical Sciences of the R S F S R Bulletin]
Izv. TPI (16a)	Tomsk Politekhnicheskii institut imeni Kirova. Izvestiia [Kirov Polytechnic Institute. Bulletin]
Izv. TSKHA (15a)	Moscow. Moskovskaia sel'skokhoziaistvennaia akademiia im. Timiriazeva. Izvestiia [Timiriazev Agricultural Academy of Moscow. Bulletin]
Izv. Vses. geog. ob-va (12b)	Geograficheskoe obshchestvo SSSR. Izvestiia [Geographic Society of the U.S S.R Bulletin]
Izv. vys. ucheb. zav.; chern. met. (16h)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, chernaia metallurgiia [Ministry of Higher and Secondary Specialized Education Bulletin of the Institutions of Higher Learning; Ferrous Metallurgy]
Izv. vys. ucheb. zav.; elektromekh. (16e)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; elektromekhanika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Electrical Machinery and Apparatus]
Izv. vys. ucheb. zav.; energ. (16e)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Power Engineering]
Izv. vys. ucheb. zav.; fiz. (13f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; fizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Physics]
Izv vys. ucheb. zav.; gor. zhur (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; gornyi zhurnal [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Mining Journal]
Izv. vys. ucheb. zav.; khim. i khim. tekh. (13d)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, khimiia i khimicheskaia tekhnologiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Chemistry and Chemical Technology]
Izv. vys. ucheb. zav.; prav. (7)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; pravovedenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Jurisprudence]
Izv. vys. ucheb. zav.; prib. (16g)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; priborostroenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Instrument Manufacture]
Izv. vys. ucheb. zav.; radiofiz. (13f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; radiofizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Physics]
Izv. vys. ucheb. zav.; radiotekh. (16e)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; radiotekhnika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Engineering]
Izv. vys. ucheb. zav.; stroi. i arkhit. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Engineering]
Izv. vys. ucheb. zav.; tekh. tekst. prom. (16f)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tekhnologiia tekstil'noi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of the Textile Industry]
Izv. vys. ucheb. zav.; tsvet. met. (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tsvetnaia metallurgiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Nonferrous Metallurgy]
Kardiologiia (14a)	Kardiologiia [Cardiology]
Kat. karp. zemletrus. (12c)	Katalog karpats'kykh zemletrusiv [Catalog of Carpathian Earthquakes]
Kaz. med. zhur. (14a)	Kazanskii meditsinskii zhurnal [Kazan Medical Journal]
Khim. i tekh. topl. i masel (16c)	Khimiia i tekhnologiia topliv i masel [Chemistry and Technology of Fuel and Oil]
Khim. mashinostr. (16c)	Khimicheskoe mashinostroenie [Chemical Machinery Manufacture]
Khim ; sist. uk. st. v inostr. zhur. (13d)	Moscow. Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury Khimiia; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [All-Union State Library of Foreign Literature. Chemistry; Classed Index of Articles in Foreign Periodicals]
Khim. v shkole (13d)	Khimiia v shkole [Chemistry in Schools]
Khleb. i kond prom. (16f)	Khlebopekarnaia i konditerskaia promyshlennost' [Baking and Confectionery Industry]
Khol tekh (16c)	Kholodil'naia tekhnika [Refrigeration Engineering]
Knizh. let. (2a)	Knizhnaia letopis' [Book Chronicle]
Koks i khim. (16c)	Koks i khimiia [Coke and Chemistry]
Komm. Ukr. (6)	Kommunist Ukrainy [Communist of the Ukraine]
Komm. Uz. (6)	Kommunist Uzbekistana [Communist of Uzbekistan]
Komm. Vooruzh. Sil (17a)	Kommunist Vooruzhennykh Sil [Communist of the Armed Forces]
Kommunist (6)	Kommunist [Communist]
Komsom. zhizn' (5e)	Komsomol'skaia zhizn' [Life of Communist Youth]
Kons. i ov. prom. (16c)	Konservnaia i ovoshchesushil'naia promyshlennost' [The Canning and Dehydrated Vegetable Industry]
Kristallografiia (13f)	Kristallografiia [Crystallography]
Kryl. rod. (16b)	Kryl'ia rodiny [Wings of the Motherland]
Kul't. i zhizn' (1b)	Kul'tura i zhizn' [Culture and Life]
Kuz. -shtam. proizv. (16g)	Kuznechno-shtampovochnoe proizvodstvo [Forging and Stamping]
Lakokras. mat. i ikh prim. (16c)	Lakokrasochnye materialy i ikh primenenie [Lacquer and Paint Materials and Their Use]
Les. khoz. (15c)	Lesnoe khoziaistvo [Forestry]
Let. gazet. st. (2a)	Letopis' gazetnykh statei [Chronicle of Newspaper Articles]
Let. izobr. isk. (10a)	Letopis' izobrazitel'nogo iskusstva [Chronicle of Fine Arts]
Let. zhur. st. (2a)	Letopis' zhurnal'nykh statei [Chronicle of Periodical Articles]
Lit. i isk. nar. SSSR i zarub. stran (11b)	Literatura i iskusstvo narodov SSSR i zarubezhnykh stran [Literature and Art of the Peoples of the U.S.S.R. and Foreign Countries]
Lit. po ped. naukam i nar. obr. (8a)	Literatura po pedagogicheskim naukam i narodnomu obrazovaniiu [Literature on the Pedagogical Sciences and Public Education]
Lit. po zhel. dor. transp. (16g)	Russia (1923- U.S.S.R.) Ministerstvo putei soobshcheniia. TSentral'naia nauchno-tekhnicheskaia biblioteka. Literatura po zheleznodorozhnomu transportu [Ministry of Railroad Transportation. Central Technological Library. Literature on Railroad Transportation]
Mashinostroitel' (16g)	Mashinostroitel' [Machine Builder]
Masl. -zhir. prom. (16c)	Maslobolno-zhirovaia promyshlennost' [Oils and Fats Industry]
Mat. po ist. fauny i flory Kazakh (12c)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut zoologii. Materialy po istorii fauny i flory Kazakhstana [Academy of Sciences of the Kazakh S.S.R. Institute of Zoology. Materials on the History of the Fauna and Flora of Kazakhstan]
Mat. sbor. (13e)	Matematicheskii sbornik [Mathematical Review]
Mat. v shkole (13e)	Matematika v shkole [Mathematics in Schools]
Mat. Vost. kom. Geog. ob-va SSSR (12b)	Geograficheskoe obshchestvo SSSR. Vostochnaia komissiia Materialy [Geographical Society of the U S S R Eastern Committee. Materials]
Med. rad. (14a)	Meditsinskaia radiologiia [Medical Radiology]
Med. ref. zhur. (14a)	Meditsinskii referativnyi zhurnal [Medical Abstracts]
Med. sestra (14g)	Meditsinskaia sestra [Medical Nurse]
Mekh. i elek. sots. sel'khoz. (15a)	Mekhanizatsiia i elektrifikatsiia sotsialisticheskogo sel'skogo khoziaistva [Mechanization and Electrification of Socialist Agriculture]
Meteoritika (13b)	Meteoritika [Meteoritics]
Mikrobiol. zhur. (13c)	Mikrobiologichnyi zhurnal [Journal of Microbiology]
Min. syr'e (12c)	Mineral'noe syr'e [Mineral Raw Materials]
Mir. ekon. i mezhdunar. otn. (5b)	Mirovaia ekonomika i mezhdunarodnye otnosheniia [World Economics and International Relations]
Mol. komm. (6)	Molodoi kommunist [The Young Communist]
Mor. flot (17b)	Morskoi flot [The Merchant Marine]
Muk. -elev. prom. (16f)	Mukomol'no-elevatornaia promyshlennost' [Flour Milling and Grain Storage
NTO (16a)	Vsesoiuznyi sovet nauchno-tekhnicheskikh obshchestv. Nauchno-tekhnicheskie obshchestva SSSR [All-Union Council of Scientific Technological Societies. Scientific Technological Societies of the U.S.S.R.]

Nach. shkola (8a)	Nachal'naia shkola [Primary School]
Nar khoz. Uzb. (5b)	Narodnoe khoziaistvo Uzbekistana [The National Economy of Uzbekistan]
Nar. obr. (8a)	Narodnoe obrazovanie [Public Education]
Nauch. dokl. vys. shkoly; biol. nauki (13c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly; biologicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools; Biological Sciences]
Nauch. dokl. vys. shkoly, ekon. nauki (5b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly, ekonomicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools, Economics]
Nauch. rab. i soob. Otd. obshchestv. nauk AN Uz. SSR (1a)	Akademiia nauk Uzbekskoi SSR, Tashkent. Otdelenie obshchestvennykh nauk. Nauchnye raboty i soobshcheniia [Academy of Sciences of the Uzbek S.S.R. Department of Social Sciences. Studies and Reports]
[Nauch. trudy] ENIKMASha (16g)	Moscow. Eksperimental'nyi nauchno-issledovatel'skii institut kuznechno-pressovogo mashinostroeniia. (Nauchnye trudy) [Experimental Scientific Research Institute for Press Forging in Machinery Manufacture. (Studies)]
Nauch. trudy MGI (16h)	Moscow. Gornyi institut. Nauchnye trudy [Mining Institute. Studies]
Nauch. trudy TashGU (1a)	Tashkent. Universitet. Nauchnye trudy [University. Studies]
Nauch. trudy TashGU. Ist. nauki (4a)	Tashkent. Universitet. Nauchnye trudy. Istoricheskie nauki [University. Studies. Historical Sciences]
Nauch. trudy UNIIMESKH (15a)	Kiev. Ukrains'kyi naukovo-doslidnyi instytut mekhanizatsii i elektryfikatsii sil's'koho hospodarstva. Nauchnye trudy [Ukrainian Scientific Research Institute for the Mechanization and Electrification of Agriculture. Studies]
Nauch. zap. Tashk. fin.-ekon. inst. (5b)	Tashkent. Finansovo-ekonomicheskii institut. Nauchnye zapiski [Financial and Economic Institute. Studies]
Nauka i rel. (3b)	Nauka i religiia [Science and Religion]
Neftekhimiia (16c)	Neftekhimiia [Petrochemistry]
Neftepром. delo (16h)	Neftepromyslovoe delo [Petroleum Production]
Nov. inostr. ekon lit. (5b)	Novaia inostrannaia ekonomicheskaia literatura [New Foreign Economic Literature]
Nov. inostr. lit. po filos. (3a)	Novaia inostrannaia literatura po filosofii [New Foreign Literature on Philosophy]
Nov. inostr. lit. po lit. (11b)	Novaia inostrannaia literatura po literaturovedeniiu [New Foreign Literature on the Study of Literature]
Nov. knigi; bibl. ezhenod. (2a)	Novye knigi; bibliograficheskii ezhenedel'nik [New books, Bibliographical Weekly]
Nov. knigi SSSR (2a)	Novye knigi SSSR [New Books of the U.S.S.R.]
Nov. lek. srod. (14f)	Novye lekarstvennye sredstva [New Drugs]
Nov. lit. o nauke i nauch.-issl. rab. za rub. (2a)	Novaia literatura o nauke i nauchno-issledovatel'skoi rabote za rubezhom [New Literature on Science and Research Abroad]
Nov. lit. po Bolg. (2a)	Novaia literatura po Bolgarii [New Literature on Bulgaria]
Nov. lit. po Ger. Dem. Resp. (2a)	Novaia literatura po Germanskoi Demokraticheskoi Respublike [New Literature on the German Democratic Republic]
Nov. lit. po IUg. (2a)	Novaia literatura po IUgoslavii [New Literature on Yugoslavia]
Nov. lit. po Pol'. (2a)	Novaia literatura po Pol'she [New Literature on Poland]
Nov. lit. po Rum. (2a)	Novaia literatura po Rumynii [New Literature on Rumania]
Nov. lit. po Veng. (2a)	Novaia literatura po Vengrii [New Literature on Hungary]
Nov. med. tekh. (14a)	Novosti meditsinskoi tekhniki [New Developments in Medical Equipment]
Nov. mir (11b)	Novyi mir [The New World]
Nov. sov. ekon. lit. (5b)	Novaia sovetskaia ekonomicheskaia literatura [New Soviet Economic Literature]
Nov. sov. i inostr. lit. po vop. rel. i ateiz. (3b)	Novaia sovetskaia i inostrannaia literatura po voprosam religii i ateizma [New Soviet and Foreign Literature on the Problems of Religion and Atheism]
Nov. sov. lit. o nauke i nauch.-issl. rab. v SSSR (2a)	Novaia sovetskaia literatura o nauke i nauchno-issledovatel'skoi rabote v SSSR [New Soviet Literature on Science and General Research in the U.S.S.R.]
Nov. sov. lit. po filos. (3a)	Novaia sovetskaia literatura po filosofii [New Soviet Literature on Philosophy]
Nov. sov. lit. po iaz. (11a)	Novaia sovetskaia literatura po iazykoznaniiu [New Soviet Literature on Linguistics]
Nov. sov. lit. po ist., arkheol, i etn. (4a)	Novaia sovetskaia literatura po istorii, arkheologii i etnografii [New Soviet Literature on History, Archaeology, and Ethnography]
Nov. sov. lit. po lit. (11b)	Novaia sovetskaia literatura po literaturovedeniiu [New Soviet Literature on the Study of Literature]
Nov. vrem. (8)	Novoe vremia [New Times]
Och. po ist. rus. vostokoved. (4a)	Ocherki po istorii russkogo vostokovedeniia [From the History of Oriental Studies in Russia]
Och. reg. geol. SSSR (12c)	Ocherki regional'noi geologii SSSR [Studies on the Regional Geology of the U.S.S.R.]
Ogneupory (16h)	Ogneupory [Refractories]
Ogonek (1b)	Ogonek [The Little Light]
Opyt zarub. strol. (16d)	Akademiia stroitel'stva i arkhitektury SSSR. TSentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture Opyt zarubezhnogo stroitel'stva [Academy of Construction and Architecture of the U.S.S.R. Central Institute of Scientific Information on Construction and Architecture Construction Practice Abroad]
PMTF (16a)	PMTF; zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki [PMTF; Journal of Applied Mechanics and Technical Physics]
Part. zhizn' (6)	Partiinaia zhizn' [Party Life]
Part. zhizn' Kazakh. (6)	Partiinaia zhizn' Kazakhstana [Party Life in Kazakhstan]
Part. zhizn' [Uzb.] (6)	Partiinaia zhizn' [Party Life]. Uzbekistan.
Ped. akush i gin (14b)	Pediatriia, akusherstvo i ginekologiia [Pediatrics, Obstetrics, and Gynecology]
Per. zvezdy (13b)	Peremennye zvezdy [Variable Stars]
Plan. khoz. (5b)	Planovoe khoziaistvo [Planned Economy]
Pochvovedenie (15a)	Pochvovedenie [Soil Science]
Pozh. delo (16d)	Pozharnoe delo [Fire Fighting]
Prep. ist. v shkole (4a)	Prepodavanie istorii v shkole [Teaching History in Schools]
Prib. i tekh. eksp. (13f)	Pribory i tekhnika eksperimenta [Instruments and Experimental Techniques]
Priborostroenie (16g)	Priborostroenie [Instrument Manufacture]
Prikl. geofiz. (16h)	Prikladnaia geofizika [Applied Geophysics]
Prikl. mat. i mekh. (13e)	Prikladnaia matematika i mekhanika [Applied Mathematics and Mechanics]
Priroda (13a)	Priroda [Nature]
Probl. Arkt. i Antarkt. (12b)	Problemy Arktiki i Antarktiki [Problems of the Arctic and the Antarctic]
Probl. istoch (4a)	Akademiia nauk SSSR. Institut istorii. Problemy istochnikovedeniia [Academy of Sciences of the U.S.S.R. Institute of History. Problems of the Study of Historical Sources]
Probl. tub. (14a)	Problemy tuberkuloza [Problems of Tuberculosis]
Prof.-tekh. obr. (16a)	Professional'no-tekhnicheskoe obrazovanie [Vocational Technical Education]
Prom. Arm. (16a)	Promyshlennost' Armenii [Industry of Armenia]
Prom. energ. (16e)	Promyshlennaia energetika [Industrial Power]
Put' i put. khoz. (16d)	Put' i putevoe khoziaistvo [Railroad Tracks and Roadway Maintenance]
Rab. i sial. (5d)	Rabotnitsa i sialianka [The Woman Worker and the Peasant Woman]
Rad. shk. (8a)	Radians'ka shkola [Soviet School]
Radio (16e)	Radio [Radio]
Radiotekh. i elektron. (16e)	Radiotekhnika i elektronika [Radio Engineering and Electronics]
Radiotekhnika (16e)	Radiotekhnika [Radio Engineering]
Razved. i okh. nedr (16h)	Razvedka i okhrana nedr [Prospecting and Conservation of Mineral Resources]
Rech. transp. (17b)	Rechnoi transport [Inland Water Transportation]
Ref. sbor.: Ekon. prom. (5b)	Referativnyi sbornik: Ekonomika promyshlennosti [Journal of Abstracts of Industry]
Ref. zhur.: Astron. (13b)	Referativnyi zhurnal: Astronomiia (Otdel'nyi vypusk 51) [Journal of Abstracts: Astronomy (Separate Issue 51)]
Ref. zhur.: Av. i raket. dvig. (16b)	Referativnyi zhurnal: Aviatsionnye i raketnye dvigateli (Otdel'nyi vypusk 34) [Journal of Abstracts: Aircraft and Rocket Engines (Separate Issue 34)]
Ref. zhur.: Avt. i gor. transp. (16g)	Referativnyi zhurnal: Avtomobil'nyi i gorodskoi transport [Journal of Abstracts: Automotive and City Transportation]
Ref. zhur.: Avtom., telem. i vych. tekh. (13e)	Referativnyi zhurnal: Avtomatika, telemekhanika i vychislitel'naia tekhnika [Journal of Abstracts: Automatic Control, Remote Control, and Computer Technology]
Ref. zhur.: Biol. (13c)	Referativnyi zhurnal: Biologiia [Journal of Abstracts: Biology]
Ref. zhur.: Biol. khim. (13c)	Referativnyi zhurnal: Biologicheskaia khimiia (Otdel'nyi vypusk 30f) [Journal of Abstracts: Biochemistry (Separate Issue 30f)]
Ref. zhur.: Dvig. vnutr. sgor. (16g)	Referativnyi zhurnal: Dvigateli vnutrennego sgoraniia (Otdel'nyi vypusk 39) [Journal of Abstracts: Internal-Combustion Engines (Separate Issue 39)]
Ref. zhur.: Elektrotekh. i energ. (16e)	Referativnyi zhurnal: Elektrotekhnika i energetika [Journal of Abstracts: Electrical Engineering and Electric Power]

Ref. zhur. Farm, Toks (14f)	Referativnyi zhurnal. Farmakologiia. Toksikologiia (Otdel'nyi vypusk 54) [Journal of Abstracts: Pharmacology Toxicology (Separate Issue 54)]
Ref. zhur. Fiz. (13f)	Referativnyi zhurnal. Fizika [Journal of Abstracts Physics]
Ref zhur. Geod (13b)	Referativnyi zhurnal Geodeziia (Otdel'nyi vypusk 52) [Journal of Abstracts: Geodesy (Separate Issue 52)]
Ref. zhur. Geofiz (13f)	Referativnyi zhurnal Geofizika [Journal of Abstracts Geophysics]
Ref zhur Geog (12b)	Referativnyi zhurnal Geografiia [Journal of Abstracts Geography]
Ref. zhur. Gor. delo (15h)	Referativnyi zhurnal Gornoe delo [Journal of Abstracts: Mining]
Ref. zhur. Khim. (13d)	Referativnyi zhurnal Khimiia [Journal of Abstracts Chemistry]
Ref. zhur Khim. i khol. mashinostr. (16c)	Referativnyi zhurnal Khimicheskoe i kholodil'noe mashinostroenie (Otdel'nyi vypusk 47) [Journal of Abstracts Chemical and Refrigeration Machinery Manufacture (Separate Issue 47)]
Ref zhur. Leg prom. (16f)	Referativnyi zhurnal Legkaia promyshlennost' [Journal of Abstracts Light Industry]
Ref zhur Lesovod. i lesovod. (15c)	Referativnyi zhurnal Lesovedenie i lesovodstvo (Otdel'nyi vypusk 56) [Journal of Abstracts Forestry and Forest Management (Separate Issue 56)]
Ref. zhur.: Mashinostroi. mat., konstr. i rasch. det mash (16g)	Referativnyi zhurnal: Mashinostroitel'nye materialy, konstruktsii i raschet detalei mashin (Otdel'nyi vypusk 48) [Journal of Abstracts: Materials for Machinery Manufacture and the Design of Machine Parts (Separate Issue 48)]
Ref. zhur. Mat. (13e)	Referativnyi zhurnal Matematika [Journal of Abstracts: Mathematics]
Ref. zhur. Med. geog. (14a)	Referativnyi zhurnal: Meditsinskaia geografiia (Otdel'nyi vypusk 36) [Journal of Abstracts: Medical Geography (Separate Issue 36)]
Ref zhur. Mekh (13l)	Referativnyi zhurnal: Mekhanika [Journal of Abstracts: Mechanics]
Ref. zhur. Metr i izm. tekh (16a)	Referativnyi zhurnal: Metrologiia i izmeritel'naia tekhnika (Otdel'nyi vypusk 32) [Journal of Abstracts Mensuration and Measurement Techniques (Separate Issue 32)]
Ref. zhur. Ob. vop. pat. Onk. (14e)	Referativnyi zhurnal: Obshchie voprosy patologii. Onkologiia (Otdel'nyi vypusk 53) [Journal of Abstracts General Problems of Pathology. Oncology (Separate Issue 53)]
Ref. zhur. Pochv. (15a)	Referativnyi zhurnal Pochvovedenie (Otdel'nyi vypusk 57) [Journal of Abstracts Soil Science (Separate Issue 57)]
Ref. zhur. Radiotekh. i elektrosviaz'	Referativnyi zhurnal: Radiotekhnika i elektrosviaz' [Journal of Abstracts: Radio Engineering and Telecommunication]
Ref. zhur.: Raketostr. (16b)	Referativnyi zhurnal: Raketostroenie (Otdel'nyi vypusk 41) [Journal of Abstracts. Rocket Building (Separate Issue 41)]
Ref. zhur. Rast. (15d)	Referativnyi zhurnal. Rastenievodstvo (Otdel'nyi vypusk 55) [Journal of Abstracts Plant Culture (Separate Issue 55)]
Ref. zhur Stroi. i arkhit. (16d)	Referativnyi zhurnal: Stroitel'stvo i arkhitektura [Journal of Abstracts: Construction and Architecture]
Ref. zhur., Tekh. mashinostr. (16g)	Referativnyi zhurnal: Tekhnologiia mashinostroeniia [Journal of Abstracts Technology of Machinery Manufacture]
Ref. zhur.: Toch. mekh., opt. i isp. app. (16g)	Referativnyi zhurnal Tochnaia mekhanika, optika i issledovatel'naia apparatura (Otdel'nyi vypusk 40) [Journal of Abstracts: Precision Mechanics, Optics, and Testing Apparatus (Separate Issue 40)]
Ref. zhur: Traktor i sel'khoz. mash i orud. (16g)	Referativnyi zhurnal Traktory i sel'skokhoziaistvennye mashiny i orudiia (Otdel'nyi vypusk 44) [Journal of Abstracts: Tractors and Agricultural Machinery and Equipment (Special Issue 44)]
Ref. zhur. Trub. transp. (16g)	Referativnyi zhurnal Truboprovodnyi transport (Otdel'nyi vypusk 45) [Journal of Abstracts Pipeline Transportation (Separate Issue 45)]
Ref. zhur.: Vod. transp. (17b)	Referativnyi zhurnal: Vodnyi transport [Journal of Abstracts: Water Transportation]
Ref. zhur.: Vop. tekh. prog. i org. proizv. v mashinostr. (16g)	Referativnyi zhurnal: Voprosy tekhnicheskogo progressa i organizatsii proizvodstva v mashinostroenii (Otdel'nyi vypusk 35) [Journal of Abstracts: Problems of Technological Progress and the Organization of Production in the Machinery Industry (Separate Issue 35)]
Ref. zhur.: Vzaimodeis. raz. vid. transp. i kont. perev. (16g)	Referativnyi zhurnal: Vzaimodeistvie raznykh vidov transporta i kontseinernye perevozki (Otdel'nyi vypusk 31) [Journal of Abstracts: Container Shipments and the Interaction of Various Types of Transportation (Separate Issue 31)]
Ref. zhur.: Zhiv. Vet. (15b)	Referativnyi zhurnal: Zhivotnovodstvo. Veterinariia (Otdel'nyi vypusk 58) [Journal of Abstracts: Animal Husbandry, Veterinary Medicine (Separate Issue 58)]
Rez. nabl. sov. isk. sput. Zem. (13b)	Akademiia nauk SSSR. Institut teoreticheskoi astronomii. Rezul'taty nabliudenii sovetskikh iskusstvennykh sputnikov Zemli [Academy of Sciences of the U.S.S.R. Institute of Theoretical Astronomy. Results of Observations of Soviet Artificial Earth Satellites]
Rus. iaz. v shkole (11a)	Russkii iazyk v shkole [Russian Language in Schools]
Ryb. khoz. (15b)	Rybnoe khoziaistvo [Fisheries]
Sakh. prom. (16c)	Sakharnaia promyshlennost' [Sugar Industry]
Sbor. nauch. - issl. rab. TTI (16f)	Tashkent. Tekstil'nyi institut. Sbornik nauchno-issledovatel'skikh rabot [Textile Institute Scientific Research Papers]
Sbor. nauch. trud Bel. politekh. inst. (16a)	Minsk. Belorusskii politekhnicheskii institut. Sbornik nauchnykh trudov [White Russian Polytechnic Institute Papers]
Sbor nauch. trud IEI (16e)	Ivanovo. Energeticheskii institut. Sbornik nauchnykh trudov [Institute of Power Engineering Papers]
Sbor. nauch. trud. KGRI (16h)	Krivoy Rog. Gornorudnyi institut. Sbornik nauchnykh trudov [Institute for Mining and Ore Dressing. Papers]
Sbor st po paleont i biostrat (12c)	Leningrad. Nauchno-issledovatel'skii institut geologii Arktiki. Sbornik statei po paleontologii i biostratigrafii [Scientific Research Institute of Arctic Geology. Papers on Paleontology and Biostratigraphy]
Sbor. trud. Gruz. gos. inst. fiz. kul't. (18b)	Tiflis. Gruzinskii gosudarstvennyi institut fizicheskoi kul'tury. Sbornik trudov [Georgian State Institute of Physical Education Papers]
Sbor trud LIIZHT (16d)	Leningrad. Institut inzhenerov zheleznodorozhnogo transporta. Sbornik trudov [Institute of Railroad Transportation Engineers. Papers]
Sel'. mekh. (15a)	Sel'skii mekhanizator [The Rural Mechanic]
Sem'ia i shkola (8a)	Sem'ia i shkola [Family and School]
Shkola i proizv. (8a)	Shkola i proizvodstvo [School and Industry]
Shvein prom (16f)	Shveinaia promyshlennost' [Clothing Industry]
Sib. mat zhur (13e)	Sibirskii matematicheskii zhurnal [Siberian Mathematical Journal]
Soob Biur obser (13b)	Byurakan Observatoriia. Soobshcheniia [Byurakan Observatory Reports]
Sots. trud (5d)	Sotsialisticheskii trud [Socialist Labor]
Sots. zakon. (7)	Sotsialisticheskaia zakonnost' [Socialist Legality]
Sov. bibl. (2a)	Sovetskaia bibliografiia [Soviet Bibliography]
Sov. geol. (12c)	Sovetskaia geologiia [Soviet Geology]
Sov gos i pravo (7)	Sovetskoe gosudarstvo i pravo [The Soviet State and Law]
Sov. iust. (7)	Sovetskaia iustitsiia [Soviet Justice]
Sov. med. (14a)	Sovetskaia meditsina [Soviet Medicine]
Sov. pedag. (8a)	Sovetskaia pedagogika [Soviet Pedagogy]
Sov. profsoiuzy (5d)	Sovetskie profsoiuzy [Soviet Trade Unions]
Sov. shakht. (16h)	Sovetskii shakhtar [Soviet Miner]
Sov. zdrav. (14a)	Sovetskoe zdravookhranenie [Soviet Health Service]
Sov. zdrav. Kir. (14a)	Sovetskoe zdravookhranenie Kirgizii [Soviet Health Service of Kirghizia]
Stal' (16h)	Stal' [Steel]
Stan i instr. (16g)	Stanki i instrument [Machine Tools and Their Cutting Tools]
Stand i tip prog. BESM-2 (13e)	Akademiia nauk SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy BESM-2 [Academy of Sciences of the U S S R Computation Center Standard Programs for the BESM-2]
Stand. i tip. prog dlia mash. "Ural" (13e)	Akademiia nauk SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy dlia mashin "Ural" [Academy of Sciences of the U S S R. Computation Center Standard programs for the "Ural" Computers]
Standartizatsiia (16a)	Standartizatsiia [Standardization]
Stroitel' (16d)	Stroitel' [The Builder]
Sudostroenie (17b)	Sudostroenie [Shipbuilding]
Svod. bibl. nov inostr. knig Ser. A (2a)	Svodnyi biulleten' novykh inostrannykh knig, postupivshikh v biblioteki SSSR. Seriia A: Estestvennye nauki, meditsina, sel'skoe khoziaistvo, tekhnika [Union List of New Foreign Books Received by the Libraries of the U S S R Series A: Natural Sciences, Medicine, Agriculture, Technology]
Tekh. kino i telev. (9a)	Tekhnika kino i televideniia [Motion-Picture and Television Engineering]
Tekh. mol. (16a)	Tekhnika - molodezhi [Technology for Youth]
Tekh. v sel'khoz. (15a)	Tekhnika v sel'skom khoziaistve [Machinery in Agriculture]
Tekst. prom. (16f)	Tekstil'naia promyshlennost' [Textile Industry]
Teor. i prak. fiz. kul't. (18b)	Teoriia i praktika fizicheskoi kul'tury [Theory and Practice of Physical Education]
Terap. arkh. (14e)	Terapevticheskii arkhiv [Therapeutic Archives]
Titan i ego splavy (16h)	Titan i ego splavy [Titanium and Its Alloys]
Transp. i khran. nefti (16h)	Transport i khranenie nefti [Transportation and storage of Petroleum]
Transp. stroi (16d)	Transportnoe stroitel'stvo [Construction for the Transportation Industry]
Trudy Alt. GMNII AN Kazakh. SSR (16h)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Altaiskii gornometallurgicheskii nauchno-issledovatel'skii institut. Trudy [Academy of Sciences of the Kazakh S.S.R. Altai Scientific Research Institute of Mining and Metallurgy. Transactions]
Trudy BIIZHT (16d)	Gomel'. Belorusskii institut inzhenerov zheleznodorozhnogo transporta. Trudy [White Russian Institute of Railroad Transportation Engineers. Transactions]

Trudy Bot Inst Ser 3 (13c)	Akademiia nauk SSSR Botanicheskii Institut Trudy Seriia 3 Geobotanika [Academy of Sciences of the U S S R. Botanical Institute Transactions. Series 3 Geobotany]
Trudy Fiz inst (13f)	Akademiia nauk SSSR Fizicheskii institut Trudy [Academy of Sciences of the U S S R. Institute of Physics Transactions]
Trudy GGI (12b)	Leningrad. Gosudarstvennyi gidrologicheskii institut. Trudy [State Hydrological Institute. Transactions]
Trudy GISI (16d)	Gorkiy. Inzhenerno-stroitel'nyi institut. Trudy [Civil Engineering Institute. Transactions]
Trudy GPI (16a)	Gorkiy Politekhnicheskii institut Trudy [Polytechnic Institute Transactions]
Trudy Geol inst. AN Gruz SSR Geol. ser (12c)	Akademiia nauk Gruzinskoi SSR, Tiflis. Geologicheskii institut Trudy. Geologicheskaia seriia [Academy of Sciences of the Georgian S S R. Geological Institute. Transactions Geological Series]
Trudy IAFAN SSSR Ser geol (12c)	Akademiia nauk SSSR IAkutskii filial, Yakutsk. Trudy. Seriia geologicheskaia [Academy of Sciences of the U.S.S.R. Yakut Branch. Transactions. Geological Series]
Trudy IGEM (12c)	Akademiia nauk SSSR Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy [Academy of Sciences of the U S S.R Institute of the Geology of Ore Deposits, Petrology, Mineralogy, and Geochemistry. Transactions]
Trudy Inst. bot. AN Kazakh. SSR (13c)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut botaniki. Trudy [Academy of Sciences of the Kazakh S S R Institute of Botany. Transactions]
Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR (12c)	Akademiia nauk SSSR. Sibirskoe otdelenie. Institut geologii i geofiziki. Trudy [Academy of Sciences of the U.S.S.R. Siberian Department. Institute of Geology and Geophysics. Transactions]
Trudy Inst. geol Komi fil AN SSSR (12c)	Akademiia nauk SSSR Komi filial, Syktyvkar. Institut geologii. Trudy [Academy of Sciences of the U S S R Komi Branch Institute of Geology. Transactions]
Trudy Inst. geol. nauk AN URSR. Ser. strat. i paleont. (12c)	Akademiia nauk URSR, Kiev. Instytut geologichnykh nauk. Trudy. Seriia stratigrafii i paleontologii [Academy of Sciences of the Ukrainian S.S.R. Institute of Geological Sciences. Transactions. Stratigraphical and Paleontological Series]
Trudy Inst. gor. dela Sib. otd. AN SSSR (16b)	Akademiia nauk SSSR, Sibirskoe otdelenie. Institut gornogo dela. Trudy [Academy of Sciences of the U.S.S.R. Siberian Branch. Institute of Mining. Transactions]
Trudy Inst. gor. dela UFAN SSSR (16b)	Akademiia nauk SSSR, Ural'skii filial, Sverdlovsk. Institut gornogo dela. Trudy [Academy of Sciences of the U.S.S.R. Ural Branch. Institute of Mining. Transactions]
Trudy Inst. iaz. AN Turk. SSR (11a)	IAkademiia nauk Turkmenskoi SSR, Ashkhabad. Institut iazykoznaniia. Trudy [Academy of Sciences of the Turkmen S.S.R. Institute of Linguistics. Transactions]
Trudy Inst. ikht. i ryb. khoz. AN Kazakh SSR. (15b)	IAkademiia nauk Kazakhskoi SSR, Alma-Ata. Institut ikhtiologii i rybnogo khoziaistva. Trudy [Academy of Sciences of the Kazakh S S R. Institute of Ichthyology and Fisheries. Transactions]
Trudy Inst. ist. AN Tadzh. SSR. Arkheol. otd. v Tadzh. (4b)	Akademiia nauk Tadzhikskoi SSR, Dushanbe. Institut istorii. Trudy. Arkheologicheskie raboty v Tadzhikistane [Academy of Sciences of the Tajik S.S.R. Institute of History. Transactions. Archeological Excavations in Tajikistan]
Trudy inst. Kom. stand., mer i izm. prib. (16a)	Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. Trudy institutov Komiteta [Committee of Standards, Measures, and Measuring Instruments. Transactions of the Institutes of the Committee]
Trudy Inst. lesa i drev. (15c)	Akademiia nauk SSSR. Sibirskoe otdelenie. Institut lesa i drevesiny. Trudy [Academy of Sciences of the U.S.S.R. Siberian Department. Institute of Forest and Wood. Transactions]
Trudy Inst. mash. Sem. po toch. v mash. i prib. (16g)	Akademiia nauk SSSR. Institut mashinovedeniia. Trudy. Seminar po tochnosti v mashinostroenii i priborostroenii [Academy of Sciences of the U.S.S.R. Institute of Mechanical Engineering. Transactions. Seminar on Precision in Machinery and Instrument Manufacture]
Trudy Inst. met. (16h)	Akademiia nauk SSSR. Institut metallurgii. Trudy [Academy of Sciences of the U.S.S.R. Institute of Metallurgy. Transactions]
Trudy Inst. okean. (12b)	Akademiia nauk SSSR. Institut okeanologii. Trudy [Academy of Sciences of the U.S.S.R. Institute of Oceanography. Transactions]
Trudy Inst. sel'khoz. AN Uz. SSR (15a)	Akademiia nauk Uzbekskoi SSR, Tashkent. Institut sel'skogo khoziaistva. Trudy [Academy of Sciences of the Uzbek S S R. Institute of Agriculture. Transactions]
Trudy Inst. zool. AN Kazakh. SSR (13c)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut zoologii. Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of Zoology. Transactions]
Trudy KF VNII (16h)	Vsesoiuznyi neftegazovyi nauchno-issledovatel'skii institut. Krasnodarskii filial. Trudy [All-Union Scientific Research Institute of Petroleum and Natural Gas. Krasnodar Branch. Transactions]
Trudy Kaz. SKHI (15a)	Kazan. Sel'skokhoziaistvennyi institut. Trudy [Agricultural Institute. Transactions]
Trudy LPI (16a)	Leningrad. Politekhnicheskii institut. Trudy [Polytechnic Institute. Transactions]
Trudy LTITSBP (16c)	Leningrad. Tekhnologicheskii institut tsellulozno-bumazhnoi promyshlennosti. Trudy [Technological Institute for the Woodpulp and Paper Industry. Transactions]
[Trudy] NII osn. (16d)	Akademiia stroitel'stva i arkhitektury SSSR, Institut osnovanii i podzemnykh sooruzhenii. (Trudy) [Academy of Construction and Architecture of the U.S.S.R. Institute of Foundations and Underground Construction. (Transactions)]
Trudy NIIAsbestcementa (16d)	Moscow Nauchno-issledovatel'skii institut asbesta, slyudy, asbestotsementnykh izdelii i proektirovaniia stroitel'stva predpriiatii sliudianoi promyshlennosti Trudy [Scientific Research Institute of Asbestos, Mica, Asbestos-Cement Products, and for the Design of Plants for the Mica Industry Transactions]
Trudy NIIZHT (16d)	Novosibirsk. Institut inzhenerov zheleznodorozhnogo transporta. Trudy [Institute of Railroad Transportation Engineers. Transactions]
Trudy Otd fiz i mat AN Tadzh SSR (13f)	IAkademiia nauk Tadzhikskoi SSR, Dushanbe Otdel fiziki i matematiki Trudy [Academy of Sciences of the Tajik S S R Department of Physics and Mathematics Transactions]
Trudy Otd. fiziol. i biofiz rast. AN Tadzh. SSR (13c)	Akademiia nauk Tadzhikskoi SSR, Dushanbe, Otdel fiziologii i biofiziki rastenii. Trudy [Academy of Sciences of the Tajik S.S.R. Department of Plant Physiology and Biophysics Transactions]
Trudy 1-go MMI (14a)	Moscow. Pervyi moskovskii meditsinskii institut. Trudy [First Moscow Medical Institute. Transactions]
Trudy Polt grav. obser. (13b)	Poltava. Gravimetrychna observatoriia. Trudy [Observatory for Gravity Measurement. Transactions]
Trudy SAIGIMSa (12c)	ITashkent. Sredneaziatskii nauchno-issledovatel'skii institut geologii i mineral'nogo syr'ia Trudy [Central Asiatic Scientific Research Institute of Geology and Mineral Resources Transactions]
Trudy SNIIGGIMS (12c)	Sibirskii nauchno-issledovatel'skii institut geologii, geofiziki i mineral'nogo syr'ia Trudy [Siberian Scientific Research Institute of Geology, Geophysics, and Mineral Resources. Transactions]
Trudy TSIP (13f)	Moscow. TSentral'nyi institut prognozov. Trudy [Central Weather Institute. Transactions]
Trudy TSNII MPS (16g)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy [All-Union Scientific Research Institute of Railroad Transportation. Transactions]
Trudy TSNIIGAIK (13b)	Moscow. TSentral'nyi nauchno-issledovatel'skii institut geodezii, aeros"emki i kartografii. Trudy [Central Scientific Research Institute of Geodesy, Aerial Photography, and Cartography. Transactions]
Trudy TSNIIMF (17b)	Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. Trudy [Central Scientific Research Institute of the Merchant Marine. Transactions]
Trudy TSNIIS (16d)	Babushkin. Vsesoiuznyi nauchno-issledovatel'skii institut transportnogo stroitel'stva. Trudy [All-Union Scientific Research Institute of Transportation Construction. Transactions]
Trudy Tashk. astron. obser. (13b)	Tashkent. Astronomicheskaia observatoriia. Trudy [Astronomical Observatory. Transactions]
Trudy Transp.-energ. inst. Sib. otd. AN SSSR (16g)	Akademiia nauk SSSR. Sibirskoe otdelenie. Transportno-energeticheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Siberian Branch. Transportation and Power Institute. Transactions]
Trudy Ural. politekh. inst. (16a)	Sverdlovsk. Ural'skii politekhnicheskii institut. Trudy [Ural Polytechnic Institute. Transactions]
Trudy VIUA (15a)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut udobrenii i agropochvovedeniia. Trudy [All-Union Scientific Research Institute of Fertilizers and Soil Science. Transactions]
Trudy VNIIVS (15b)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut veterinarnoi sanitarii. Trudy [All-Union Scientific Research Institute of Veterinary Sanitation. Transactions]
Trudy VSEGEI (12c)	Leningrad. Vsesoiuznyi geologicheskii institut. Trudy [All-Union Geological Institute Transactions]
TSvet. met. (16h)	TSvetnye metally [Nonferrous Metals]
Uch. zap. AGU. Ser. geol.-geog. nauk (12c)	Baku. Azerbaidzhanskii gosudarstvennyi universitet. Uchenye zapiski. Seriia geologo-geograficheskikh nauk [Azerbaijan State University. Studies. Series in the Geological and Geographical Sciences]
Uch. zap Dush. gos. ped. inst. Ser. geog. (12b)	IDushanbe. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski. Seriia geograficheskaia [State Pedagogical Institute. Studies. Geographical Series]
Uch. zap. GNII glaz. bol. (14d)	Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut glaznykh boleznei. Uchenye zapiski [State Scientific Research Institute of Eye Diseases. Studies]
Uch. zap. Inst. farm. i khimioter. AMN SSSR (14f)	Akademiia meditsinskikh nauk SSSR, Moscow. Institut farmakologii i khimioterapii. Uchenye zapiski [Academy of Medical Sciences of the U.S.S.R. Institute of Pharmacology and Chemotherapy. Studies]
Uch. zap. Kaf. obshchestv. nauk vuz.g Len.; Ist. KPSS (6)	Uchenye zapiski kafedr obshchestvennykh nauk vuzov g. Leningrada; Istoriia KPSS [Studies by the Departments of Social Sciences of Leningrad Institutions of Higher Education; History of the Communist Party of the Soviet Union].
Uch. zap. LGU (1a)	Leningrad. Universitet. Uchenye zapiski [University. Studies]
Uch. zap. MGPI (1a)	Moscow. Moskovskii gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [Moscow State Pedagogical Institute. Studies]
Uch. zap. Ped. inst. Gerts. (1a)	Leningrad. Gosudarstvennyi pedagogicheskii institut imeni A. I. Gertsena. Uchenye zapiski [A. I. Herzen State Pedagogical Institute. Studies]
Uch. zap. TGPI (1a)	Tomsk. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]
Uchet i fin. v kolkhoz. i sovkhoz. (6b)	Uchet i finansy v kolkhozakh i sovkhozakh [Accounting and Finance on Collective and State Farms]

Ukr. ist. zhur. (1a)	Ukrains'kyi istorychnyi zhurnal [Ukrainian Historical Journal]
Ukr. khim. zhur. (13d)	Ukrainskii khimicheskii zhurnal [Ukrainian Chemical Journal]
Ukr. mat. zhur. (13e)	Ukrainskii matematicheskii zhurnal [Ukrainian Mathematical Journal]
Ukraina (1b)	Ukraina [The Ukraine]
Usp. fiz. nauk (13f)	Uspekhi fizicheskikh nauk [Progress in the Physical Sciences]
Usp. khim (13d)	Uspekhi khimii [Progress in Chemistry]
Usp. mat. nauk (13e)	Uspekhi matematicheskikh nauk [Progress in the Mathematical Sciences]
Uzb. biol. zhur. (13c)	Uzbekskii biologicheskii zhurnal [Uzbek Biological Journal]
Uzb. khim. zhur. (13d)	Uzbekskii khimicheskii zhurnal [Uzbek Chemical Journal]
Uzbekiston (1b)	Uzbekiston [Uzbekistan]
V mire knig (2a)	V mire knig [In the World of Books]
Vech. sred shkola (8a)	Vechernaia srednaia shkola [Evening Secondary School]
Ved. Verkh. Sov. RSFSR (6)	Russia (1917- R.S.F.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Ved. Verkh. Sov. SSSR (6)	Russia (1923- U.S.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Vest. AN SSSR (1a)	Akademiia nauk SSSR. Vestnik [Academy of Sciences of the U.S.S.R. Journal]
Vest. drev. ist. (4a)	Akademiia nauk SSSR. Institut istorii. Vestnik drevnei istorii [Academy of Sciences of the U.S.S.R. Institute of History Review of Ancient History]
Vest. elektroprom. (16c)	Vestnik elektropromyshlennosti [Review of the Electrical Industry]
Vest. LGU (1a)	Leningrad. Universitet. Vestnik [University. Review]
Vest. mashinostr. (16g)	Vestnik mashinostroeniia [Machine-Building Review]
Vest. Mosk un. Ser 2 Khim. (13d)	Moscow. Universitet. Vestnik. Seriia 2: Khimiia [University. Review. Series 2: Chemistry]
Vest. otorin. (14d)	Vestnik otorinolaringologii [Review of Otorhinolaryngology]
Vest. rent. i rad (14a)	Vestnik rentgenologii i radiologii [Review of Roentgenology and Radiology]
Vest. sel'khoz. nauki (15a)	Vestnik sel'skokhoziaistvennoi nauki [Review of Agricultural Science]
Vest. sel'khoz. nauki [Kazakh.] (15a)	Vestnik sel'skokhoziaistvennoi nauki [Review of Agricultural Science]. Kazakhstan.
Vest. stat. (5b)	Vestnik statistiki [Statistical Review]
Vestsi AN BSSR. Ser. bilal. nav. (13c)	Akademiia navuk BSSR, Minsk. Vestsi. Seryia bilalagichnykh navuk [Academy of Sciences of the White Russian S.S.R. Bulletin. Series in the Biological Sciences]
Vestsi AN BSSR. Ser. fiz.-tekh. nav. (13f)	Akademiia navuk BSSR, Minsk. Vestsi. Seryia fizika-tekhnichnykh navuk [Academy of Sciences of the White Russian S.S.R. Bulletin. Series in the Physical and Technological Sciences]
Vestsi AN BSSR. Ser. hram. nav. (1a)	Akademiia navuk BSSR, Minsk. Seryia hramadskikh navuk [Academy of Sciences of the White Russian S.S.R. Bulletin. Series in the Social Sciences]
Visnyk sil'hosp. nauky (15a)	Visnyk sil'skohospodars'koi nauky [Review of Agricultural Science]
Voen.-med. zhur. (14a)	Voenno-meditsinskii zhurnal [Journal of Military Medicine]
Vokrug sveta (12b)	Vokrug sveta [Around the World]
Vop. antr. (12a)	Voprosy antropologii [Problems of Anthropology]
Vop. ekon. (5b)	Voprosy ekonomiki [Problems of Economics]
Vop. ist. (4a)	Voprosy istorii [Problems of History]
Vop. ist. KPSS (6)	Voprosy istorii KPSS [Problems of the History of the Communist Party of the Soviet Union]
Vop krim. (7)	Voprosy kriminalistiki [Problems in Criminology]
Vop kur fizioter i lech fiz kul't (14c)	Voprosy kurortologii, fizioterapii i lechebnoi fizicheskoi kul'tury [Problems of Resort Therapy, Physical Therapy and Exercise Therapy]
Vop. lit. (11b)	Voprosy literatury [Problems of Literature]
Vop onk (14e)	Voprosy onkologii [Problems of Oncology]
Vop. proizv stali (16h)	Voprosy proizvodstva stali [Problems of Steel Production]
Vop. raket. tekh. (16b)	Voprosy raketnoi tekhniki, sbornik perevodov i obzorov inostrannoi periodicheskoi literatury [Problems of Rocket Engineering; Translations and Surveys of Foreign Periodical Literature]
Vop. rud. transp. (16h)	Voprosy rudnichnogo transporta [Problems of Mine Haulage]
Vrach. delo (14a)	Vrachebnoe delo [Medical Practice]
Vysokom. soed. (13d)	Vysokomolekuliarnye soedineniia [Macromolecular Compounds]
Za bezop. dvizh. (16g)	Za bezopasnost' dvizheniia [For Traffic Safety]
Za rul. (16g)	Za rulem [At the Wheel]
Znp. Otd. ruk. (2a)	Moscow. Publichnaia biblioteka Otdel rukopisei Zapiski [Public Library (Lenin State). Manuscript Division Records]
Zarub. radioelek. (16e)	Zarubezhnaia radioelektronika [Radio Electronics Abroad]
Zashch. rast. ot vred. i bol. (15d)	Zashchita rastenii ot vreditelei i boleznei [Protecting Plants Against Diseases and Pests]
Zav. lab. (16h)	Zavodskaia laboratoriia [The Factory Laboratory]
Zdorov'e (14a)	Zdorov'e [Health]
Zdrav. Ros. Feder. (14a)	Zdravookhranenie Rossiiskoi Federatsii [Health Service of the Russian Federation]
Zdravookhranenie (14a)	Zdravookhranenie [Health Service]
Zemledelie (15d)	Zemledelie [Agriculture]
Zhel. dor transp (16g)	Zheleznodorozhnyi transport [Railroad Transportation]
Zhen. mira (5e)	Zhenshchiny mira [Women of the Whole World]
Zhur. anal khim. (13d)	Zhurnal analiticheskoi khimii [Journal of Analytical Chemistry]
Zhur. eksp. i teor. fiz. (13f)	Zhurnal eksperimental'noi i teoreticheskoi fiziki [Journal of Experimental and Theoretical Physics]
Zhur. fiz. khim. (13d)	Zhurnal fizicheskoi khimii [Journal of Physical Chemistry]
Zhur. nauch. i prikl. fot. i kin. (16c)	Zhurnal nauchnoi i prikladnoi fotografii i kinematografii [Journal of Scientific and Applied Photography and Cinematography]
Zhur. strukt. khim. (13d)	Zhurnal strukturnoi khimii [Journal of Structural Chemistry]
Zhur. tekh. fiz. (16a)	Zhurnal tekhnicheskoi fiziki [Journal of Technical Physics]
Zhur. vys. nerv. deiat. (14c)	Zhurnal vysshei nervnoi deiatel'nosti [Journal of the Higher Nervous Function]
Zool. zhur. (13c)	Zoologicheskii zhurnal [Zoological Journal]
Zvezda (11b)	Zvezda [The Star]

ACTH

Effect of ACTH and prednisolone on the immunological reactivity following BCG vaccination [with summary in French] E. A. Kapitanov Probl. tub. 41 no 3:22-26 '63.

Effect of adrenocorticotrophic hormone on the development of postvaccinal immunity to tuberculosis [with summary in French] A. K Dushkevich. Probl. tub 41 no. 3 53-58 '63.

ABAGUR REGION—ORE DRESSING

Planning and exploitation of tailing reservoir ponds at the Abagur Ore Dressing and Agglomeration Plant A A. Kostunin Gor. zhur no 8 58-62 Ag '63

ABAYEVSKIY DISTRICT—STATE FARMS

Use various methods and work constantly with people S. Barmakov Part. zhizn' Kazakh. 33 no 8 8-11 Ag '63

ABBREVIATIONS, ENGLISH

Abbreviations in the present-day English language. S. B. Berlizon. Inostr. in-z. v shkole no. 3:03-109 My-Je '63.

ABDOMEN

Alkaline phosphatase in the peritoneum and muscle fibers of the abdominal wall in rabbits. A. A. Savinovskaia. Dokl. AN SSSR 151 no. 3,697-699 Jl '63.

ABDOMEN—BLOOD SUPPLY

Infrared photography as a method of detection of the deep collateral vessels of the anterior abdominal wall in disorders of portal circulation [with summary in English]. IU. D. Romanov, B. D. Sverdlov. Ter. ap. arkh. 35 no. 1:30-34 Ja '63.

ABDOMEN—SURGERY

Transillumination examination of the stomach wall in laparotomy. M. Z. Sigal. Kaz. med. zhur no 3:18-21 My-Je '63.

ABELIAN GROUPS

Projections of a metabelian torsion-free group. A. S. Pekelis, L. E. Sadovskii. Dokl. AN SSSR 151 no. 1:42-44 Jl '63.

ABKHAZIA—ARCHITECTURE

Pachulia, Vianor, comp. [List of cultural monuments registered in Abkhazia] Spisok pamiatnikov kul'tury, vziatykh na uchet po Abkhazskoi ASSR. [Sukhumi, Abgosizdat, 1961] 43 p illus (MII)

ABKHAZIA—JUSTICE, ADMINISTRATION OF

Role of newspapers in ensuring a strict observance of socialist laws. A. Khionidi. Sots. zakon. 40 no. 6: 56-57 Je '63.

ABKHAZIAN NEWSPAPERS

Role of newspapers in ensuring a strict observance of socialist laws. A. Khionidi. Sots. zakon. 40 no. 6: 56-57 Je '63.

ABNORMALITIES (PLANTS)

Occurrences of fasciation in some polycarps. I. P. Ignat'eva. Dokl. TSKHA no. 62:231-236 '61.

ABORTION

Analysis of fetus-destroying operations based on data of the obstetrical hospital of the Novo-Kuznetsk State Institute for the Specialization and Advanced Training of Physicians. E. V. Golubeva, M. V. Savel'eva. Kaz. med. zhur. no. 3,63-64 My-Je '63.

Use of 10% anesthesin-alcohol for anesthesia in artificial abortion surgery. V. K. Shkol'nyi. Ped., akush. i gin. 25 no. 2:54-55 '63.

ABSCISSION (BOTANY)

Basic results of a three-year study on the shedding of young fruit in cotton. F. I. Uchevatkin, A. A. Borodulina. Trudy Inst. sel'khoz. AN Uz. SSR no. 1,12-45 '53.

ABSORBENTS

Study of ore of the Rozhdestvenka deposits of Tomsk Province as hydrogen sulfide absorber. K. K. Stramkovskaia, A. S Pozhitnaia Izv. TPI 111:110-114 '61.

ABSORPTION

Determination of the absorption capacity of ion exchange resins by a gravimetric method V. V. Rachinskii, I. V. Kolosov. Zav. lab. 29 no 8:926-927 '63.

Methods of analysis in the study of the absorption kinetics of poorly soluble gases. D. K. Roi, T. K. Dzhabagin, P. A. Semenov. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:333-337 '63.

ABSORPTION OF LIGHT

Investigation by the method of light absorption of the system $BaSO_4$ - C_2H_5OH - H_2O in the presence of cations of various valency. N. D. Podobed Izv vys. ucheb. zav., khim. i khim. tekh. 6 no 2:212-217 '63.

Optical properties of a layer system with a negative coefficient of absorption B. I. Staipanau, IU I Chakhlinskaia. Vestsi AN BSSR Ser. fiz. -tekh nav. no 1 42 48 '62.

ABSORPTION OF SOUND

Formation of the cement-clinker structure by acoustic coagulation. M. A. Shatima. Vestsi AN BSSR Ser. fiz. -tekh. nav. no. 1,127-131 '62.

Resonance absorption of ultrasound in an acetic anhydride-ethyl alcohol mixture. B. B. Kudriavtsev, K. P. Nikonov. Zhur. fiz. khim. 37 no. 8:1807-1891 Ag '63.

ACADEMY OF SCIENCES OF THE TURKMEN S. S. R.

Annual meeting of the Academy of Sciences of the Turkmen S. S. R. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 3:102-103 '63.

Reorganization of the Academy of Sciences of the Turkmen S. S. R. Sh. B. Batyrov. Vest. AN SSSR 33 no. 9 45-48 S '63.

ACADEMY OF SCIENCES OF THE U. S. S. R.

(see also subdivision under Akademgorodok)

General assembly of the Academy of Sciences of the U. S. S. R. Priroda 52 no 8:96-98 Ag '63

ACCLIMATIZATION

Adaptation of the human organism to polar climatic conditions. N. R. Paleev. Fel'd. i akush. 28 no. 2:27-32 F '63.

ACCLIMATIZATION (PLANTS) see subdivision under Gorkiy Province

ACCOUNTING

(see also subdivision under Lvov Province)

Accountants, do your duty! Bukhg. uchet 29 no. 8:1-4 Ag '63.

Accounting for capital assets, articles of little value and those which depreciate rapidly in use. I. Zharkov. Bukhg. uchet 29 no. 8,65-67 Ag '63.

Bookkeeping accounts. A. D. Rivkin. Uchet i fin. v kolkhoz. i sovkhoz. 29 no. 5:12-17 My '63.

In the methodological council. Bukhg. uchet 29 no. 8. 76-79 Ag '63.

Journal-voucher accounting N K. Nikol'skii. Uchet. i fin. v kolkhoz. i sovkhoz. 29 no. 9 19-23 S '63

The journal-voucher accounting system. N. K. Nikol'skii Uchet i fin. v kolkhoz. i sovkhoz 29 no. 8:38-42, 46 Ag '63.

Review of newspapers. Bukhg. uchet 29 no. 8:69-73 Ag '63.

ACCOUNTING—STUDY AND TEACHING see subdivision under Stavropol; Voronezh

ACCOUNTING MACHINES

Supply agriculture with calculating machines. V. I. Khvashchevskii. Uchet i fin. v kolkhoz. i sovkhoz. 29 no. 5:43-45 My '63.

ACECLIDINE

Aceclidine. Nov. lek. sred. no. 2:14-60 '62.

ACENAPHTHENE CRYSTALS

Crystal structure of 4-chloro-5-bromoacenaphthene. R. L. Avoian, IU. T. Struchkov. Zhur. strukt khim. 4 no. 4,631-633 Jl-Ag '63.

ACETALDEHYDE

Mechanism of photochemical chlorination of chloroacetaldehyde. B. G. IAsnitskii, A. P. Zaitsev. Dokl. AN SSSR 152 no. 1:168-170 S '63.

ACETALS

Reaction of γ-ethoxyacetals with aromatic amines L. S. Povarov, B. M. Mikhailov. Izv. AN SSSR. Ser. khim. no. 7:1352 Jl '63.

ACETAMIDE

Sulfanilides. Part 9: Dimethylamides of N-arylsulfonyl-N-arylglycine. E. P. Teslenko, Z. F Solomko, M. S. Malinovskii. Ukr. khim zhur. 29 no 5:519-521 '63

ACETATES

Effect of the addition of palladium on the rate of interaction of solid acetates with hydrogen sulfide A P Buntin, V N Neustroeva Izv TPI 111 124-130 '61

ACETIC ACID

Stimulation of cell division by dichloroacetyl compounds. G. L. Zhdanov and others. Dokl. AN SSSR 151 no. 5:1198-1200 Ag '63.

ACETIC ANHYDRIDE

Chemistry of carbazole derivatives Part 1 Acetylation of carbazole by acetic anhydride in the presence of zinc chloride and other catalysts V. P Lopatinskii, T. F Sirotkina, M. M. Anosova Izv TPI 111 35-39 '61

Resonance absorption of ultrasound in an acetic anhydride-ethyl alcohol mixture. B. B. Kudriavtsev, K. P. Nikonov. Zhur fiz. khim 37 no. 8:1887-1891 Ag '63.

ACETONE

Preparation and study of products based on the water-soluble condensates of acetone with formaldehyde. N. I. Borodkina, S. S. Frolov, G. N. Mol'kova. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:299-304 '63.

Separation of protactinium from other elements by extraction with thenoyltrifluoroacetone [with summary in English] E S Pal'shin, B F. Minaeodov Zhur anal khim 18 no 6 750-756 Je '63

ACETYLATION

Chemistry of carbazole derivatives Part 2. Acetylation of 9-methylcarbazole V P Lopatinskii, E E Sirotkina, M. M. Anosova Izv. TPI 111 40-43 '61

Surface acetylated cotton. Report No. 1. V. A. Landysheva and others. Izv. vys. ucheb zav., tekh. tekst. prom no. 3:50-56 '63.

ACETYLENE

Separation of carbazole from crude acetylene with the aid of paraformaldehyde V P. Lopatinskii, E. E Sirotkina Izv. TPI 111 107-109 '61

Titanocene compound with tolan. M. E. Vol'pin and others. Dokl. AN SSSR 151 no. 5:1100-1103 Ag '63

ACETYLENE COMPOUNDS

Synthesis of symmetrical acetylenic hydrocarbons and their α, ω -di-derivatives starting from α, α, α-trichloro- and α, α, α, ω -tetrachloroalkanes. R. Kh. Freidlina, T. A. Kost. Izv. AN SSSR, Ser. khim. no. 9: 1583-1587 S '63.

ACETYLENE COMPOUNDS—ABSORPTION SPECTRA

Atomic structure of the polyyne form of carbon. V. I. Kasatochkin, O. I. Egorova, IU. G Aseev. Dokl. AN SSSR 151 no. 1:125-126 Jl '63.

ACID-RESISTANT MATERIALS

Ardaev, V. B. [Safety manual for acidproofers (workers who rubberize, vinylize, line, and apply faolite)] Pamiatka po tekhnike bezopasnosti dlia kislotoupornshchika (gummirovshchika, viniplastchika, futerovshchika, faolitchika). Moskva, Gosstroiizdat, 1963. 30 p. (Tekhnika bezopasnosti v stroitel'stve)

ACIDS

Heat effect in the dissolution of zinc in acids [with summary in English]. I. L. Zabolotnyi, D. P. Frankevich. Zhur. fiz. khim. 37 no. 8:1801-1804 Ag '63.

Potentiometric method for determining dicarboxylic acids used for the manufacture of synthetic resins. A. P Kreshkov, L. N. Bykova, N. T. Smolova. Lakokras. mat i ikh prim. no. 3 50-54 '63.

Role of ketones as intermediate products in the formation of acids in liquid phase oxidation of hydrocarbons. L. K. Obukhova, N. M. Emanuel'. Neftekhimiia 3 no. 3 367-370 My-Je '63.

ACIDS (Continued)

Solubility of oleates in acids and the pH of oleates. G. N. Khodakevich, L. G. Sarzevich, O. K. Cherkina. Izv. TPI 111 81-82 '61

ACIDS, FATTY

Influence of certain factors on the oleoglyceride and fatty acid content of cottonseeds. B. I. Rudkin and others. Dokl. Akad. Nauk Uzb. SSR no. 7 no. 8 52-56 '63

New method of synthesizing macrocyclic compounds. Report No. 4. Effect of the length of aliphatic chain on the character and yield of the products formed in the intramolecular acylation of ω-(2-thienyl)alkanoic acid chlorides. [A. I. Gol'dfarb, S. Z. Taits, I. I. Belen'kii. Izv. AN SSSR. Ser. khim. no. 8, 1481-1490 Ag '63.

Obtaining methyl (ethyl) esters of fatty acids in the presence of trivalent iron sulfate. I. S. Il'kina, V. I. Babaev, L. G. Besedina. Masl.-zhir. prom. 29 no. 12 26-27 Jl '63.

Quantitative photometric microdetermination of saturated high molecular weight fatty acids following separation by the chromatographic method [with summary in English]. L. K. Klimova and others. Zhur. anal. khim. 18 no. 6 709-712 Je '63

Synthesis of polyesters and polyester amides having a cyclolinear structure. K. A. Andrianov, V. N. Tsvetkov. Izv. AN SSSR Ser. khim. no. 7, 1267-1272 Jl '63.

ACIDS, INORGANIC

Reactions of aluminum alcoholates with esters of inorganic acids. K. A. Andrianov, A. S. Shapatin, V. V. Ponomarev. Izv. AN SSSR Ser. khim. no. 9 1660-1662 S '63.

Regeneration of spent acids and neutralization of acid in a naphthalene plant. N. A. Kononov, A. A. Semenova, F. F. Grund. Koks i khim. no. 9 51 '63

ACIDS, ORGANIC

Hydrogenation of the C_{10} - C_{16} acids over copper-chromia and zinc-chromia catalysts. A. P. Belokopytova and others. Khim. i tekh. topl. i masel 8 no. 8 6-10 Ag '63

Ion exchange separation of rhenium from molybdenum on the KU-2 cation exchanger. Report No. 1. Separation of rhenium from molybdenum in a medium of certain complex-forming acids. M. V. Darbinian, D. S. Garibian. Izv. AN Arm. SSR. Khim. nauki 16 no. 4 335-341 '63

Perchloric acid and its compounds as catalysts in organic synthesis. Part II. Catalytic addition of carboxylic acids to cyclohexene. G. N. Dorofeenko, N. V. Dipirat. Ukr. khim. zhur. 29 no. 6 616-617 '63.

ACOUSTIC PHENOMENA IN NATURE see subdivision under Umbozero Lake region

ACQUISITIONS (LIBRARIES)

Akademiia nauk SSSR. Biblioteka. [Pattern of the development of collections of foreign literature by the Library of the Academy of Sciences of the U.S.S.R.] Profil' komplektovaniia knizhnykh fondov Biblioteki Akademii nauk SSSR inostrannoi literatury. Leningrad, 1962. 75 p. (MH)

ACRYLAMIDE

Interaction of polyacrylamide with bentonite suspensions. O. D. Kurilenko, L. T. Pilipko, R. V. Mikhalluk. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2, 248-251 '63

Synthesis of N-substituted acrylamides. T. A. Sokoleva, L. A. Ovsiannikova. Izv. AN SSSR. Ser. khim. no. 9: 1658-1659 S '63.

Use of polyacrylamide for the sizing of wool warp. A. A. Avzuragov, N. D. Veselova. Tekst. prom. 23 no. 8, 55-56 Ag '63

Working miracles. S. Lunko. Zvezda no. 6, 142-143 Je '62.

ACRYLIC ACID

Polymerization of α-chloroacetylamino acrylic acid (α-chloroacetylidehydroalanine) [with summary in English]. S. S. Ivanov. Vysokom. soed. 5 no. 8 1110-1113 Ag '63.

Study of polymers by the nuclear magnetic resonance method. Part 4. Stereospecific methyl acrylate and butyl acrylate polymers [with summary in English]. N. M. Bazhenov, M. V. Vol'kenshtein, A. S. Khachaturov. Vysokom. soed. 5 no. 7 1025-1029 Jl '63.

ACRYLONITRILE

Anionic copolymerization of acrylonitrile with vinyl monomers at low temperatures [with summary in English]. M. A. Askarov, S. N. Tsubatyna. Vysokom. soed. 5 no. 8, 1235-1239 Ag '63.

ACRYLONITRILE POLYMERS

Certain features of the formation of monolithic solids by the effect of temperature and pressure on polyacrylonitrile powder [with summary in English]. S. A. Arzhakov and others. Vysokom. soed. 5 no. 8, 1196-1200 Ag '63.

Obtaining organic dispersions and coatings on the base of acrylonitrile-butylacrylate copolymers. A. D. Alkovlev, N. V. Kosheleva, I. S. Okhrimenko. Lakokras. mat. i ikh prim. no. 3 3-5 '63.

ACTING

A sky-blue balloon is rolling and bouncing. B. Chirkov. Mol. kolkhoz. no. 7, 23-26 Jl '63

ACTINOMETRY—OBSERVATIONS see subdivision under Arctic regions

ACTINOMYCES

Differences in the luminescence of spores in Bacillus brevis and Actinomyces griseus [with summary in English]. [M. I. Demidenov, Yu. I. O. M. Rosliyas. Mikrobiol. zhur. 25 no. 4, 7-10 '63

Transmission of some biochemical properties in actinomycetes by means of DNA under the conditions of interspecific transformation [with summary in English]. B. P. Matsulevich. Mikrobiol. zhur. 25 no. 1 3-7 '63

ACTINOMYCOSIS

Significance of the clinical microscopic method in the diagnosis of actinomycosis. M. V. Tikhanova. Vrach. delo no. 8, 130-132 Ag '63.

ACTRESSES, UKRAINIAN

[If you are in love.] I. Nazariata. Ukraina no. 19 4 Ag '63

ACTRESSES, UZBEK

Teacher of masters. V. Rublova. Uzbekistan 22 no. 8 1-3 Ag '63

ACUPUNCTURE

"Negoiets's method" - ear acupuncture. A. R. Kirichinskii. Vrach. delo no. 8, 108-113 Ag '63.

ACYLATION

New method of synthesizing macrocyclic compounds. Report No. 5. Effect of the phase composition of a reaction mixture on the process of intramolecular acylation of 10-(2-thienyl)capric acid chloride. S. Z. Taits, I. I. Belen'kii, [A. L. Gol'dfarb. Izv. AN SSSR, Ser. khim. no. 8, 1460-1469 Ag '63.

ADAPTATION (BIOLOGY)

Adaption of the human organism to polar climatic conditions. N. R. Paleev. Fiziol. i akush. 28 no. 2, 27-32 '63.

Adaptive features of the cuticle of Crustacea and its morphological characteristics in the phylum of arthropods [with summary in English]. I. M. Semenova. Zool. zhur. 42 no. 8, 1155-1160 '63

Humo-tuberculin reactions as a manifestation of the adaptation syndrome [with summary in French]. M. A. Klebanov. Probl. tub. 41 no. 7, 30-34 '63.

ADENOVIRUSES

Detection of antibodies to adenoviruses by the method of passive hemagglutination reaction [with summary in English]. N. S. Diachenko. Vrach. delo no. 6, 85-90 Je '63.

ADIPAMIDE

Heterochain polyamides. Part 35. Change in the rate of interfacial condensation and of fractional composition of polyhexamethylene adipamide [with summary in English]. V. V. Korshak and others. Vysokom. soed. 5 no. 8, 1130-1134 Ag '63

ADIPHENINE

Use of spasmolytin in the complex treatment of peptic ulcer and chronic gastritis. [M. I. Fishzon-Ryss. Sov. med. zhur. no. 7, 12-14 My-Je '63

ADMINISTRATION OF JUSTICE see Justice, Administration of

ADMINISTRATIVE ACTS

Problem of the normativeness of legal acts. N. Petrov. Sov. gos. i pravo 33 no. 9, 121-133 S '63.

ADMINISTRATIVE REMEDIES see subdivision under Fergana

ADOPTION

Adoption according to Soviet family law. [U. I. Urburgskii. Sov. just. no. 12, 4-6 Je '63.

ADORATSKII, VLADIMIR VIKTOROVICH, 1878-1945

A theoretician of Marxism. R. P. Koniushaia. Vop. ist. KPSS 7 no. 8, 95-97 Ag '63.

ADRENAL CORTEX

Effect of ascorbic acid on the functional state of the adrenal cortex in elderly persons [with summary in English]. B. L. Smulianskii. Terap. arkh. 35 no. 1, 71-77 Ja '63

Effect of stimulation of the peripheral end of the splanchnic nerve on the secretory function of the adrenal cortex. V. M. Rodionov and others. Dokl. AN SSSR 151 no. 5, 1238-1240 Ag '63

Fetal adrenal cortex in swine. Z. S. Katsnel'son, E. M. Lediaeva, V. P. Aleksandrova. Dokl. AN SSSR 151 no. 1, 201-202 Jl '63

Function of the adrenal cortex in simultaneous siderosilicosis and tuberculosis before and during treatment with prednisolone and antibacterial preparations [with summary in English]. A. A. Kovalchuk, V. V. Malov. Terap. arkh. 35 no. 1, 19-23 Ja '63.

State of the adrenal cortex in diabetes mellitus. [S. G. Genes. Terap. arkh. 35 no. 1, 3-11 Ja '63

ADRENAL CORTEX—DISEASES

Some manifestations of hypofunction of the pituitary-adrenal system in tuberculosis patients following bacterial therapy. N. Kh. Pletnev, V. S. Tikhonov, [illegible] Sumbatov. Probl. tub. 41 no. 3, 79-80 '63

ADRENAL GLANDS

Functional state of the adrenal glands in chronic [illegible] fism. N. K. Zurabian, I. Sh. Garushyan. Vrach. delo no. 8, 116-117 Ag '63.

ADRENAL GLANDS—EXCISION

Neurosection of the hypothalamohypophyseal system in bilateral adrenalectomy. V. F. Matorova. Dokl. AN SSSR 152 no. 1, 214-215 S '63.

ADRENALINE

Study of the excretion of catechol amines in Meniere's disease [with summary in English]. I. I. Davydova. Vrach. delo no. 6, 33-35 Je '63

ADRENALINE IN THE BODY

Adrenaline and adrenaline-like substances in the blood in peptic ulcer [with summary in English]. Ri. N. Ko[illegible]. Vrach. delo no. 8, 8-11 Ag '63.

Content of adrenaline and adrenaline-like substances in the blood of patients with schizophrenia and organic diseases of the brain with mental disorders. [illegible] IU. L. Zakharin. Trudy 1-go MMI 21, 189-196 '63

ADRENOCORTICAL HORMONES

Adrenal glands and hypertension. [P. N. Gerasimov, Kardiologiia 3 no. 1, 3-13 My-Je '63.

Analogs of corticosteroids. Report No. 13. Cleavage of acetylcyclohexene oxide. A. M. Moiseenkov, V. V. Akhrem. Izv. AN SSSR. Ser. khim. no. 8, 1410-1411 Ag '63.

Complications in the peripheral nervous system in pemphigus during treatment with corticosteroids. [illegible] Smelov, G. N. Zertsalova, V. D. Kochatkov. Sov. med. 27 no. 7, 120-121 Jl '63.

ADRIATIC SEA—PHYTOPLANKTON

Some data on seasonal and diurnal changes in the phytoplankton of the Adriatic Sea. V. V. Donetsenko. Dokl. AN SSSR 151 no. 5, 1193-1194 Ag '63.

ADSORPTION

Adsorption of benzene within a temperature range of 25° to 350°C on chromia-alumina-potassium catalysts. A. M. Rubinshtein, K. I. Slovetskaia, T. R. Brinova. Izv. AN SSSR 151 no. 3, 580-583 Jl '63.

Adsorption of vapors on nonporous adsorbent models having a physically modified surface. Report No. 2. Low temperature adsorption of nitrogen vapors on carbon black with preadsorbed benzene and methyl alcohol. A. I. Sakharov, M. M. Dubinin, IU. F. Berezkina. Izv. AN SSSR Ser. khim. no. 7, 1165-1175 Jl '63.

Effect of adsorption on the rate of processes taking place on a platinum electrode in the system quinone-hydroquinone. [Ao Lu-an' [Yao Lu-an] and others. Dokl. AN SSSR 151 no. 1, 151-154 Jl '63.

Study of adsorption catalysis by the method of exoelectronic emission. A. S. Shashkov, I. V. Klyiova, N. I. Kobozev. Zhur. fiz. khim. 37 no. 8, 1851-1854 Ag '63

ADULT EDUCATION

Pini, A. I. [Search, invent and create, pedagogical skill of a cultural and educational worker.] Iskat', izobretat', tvorit', o pedagogicheskom masterstve kul'turno-prosvetitel'nogo rabotnika. Moskva, Sovetskaia Rossiia, 1962. 71 p. (Bibliotechka sel'skogo kluba[illegible] rabotnika, no. 4)

ADVERTISING—AERONAUTICS, COMMERCIAL

Thoughts about advertising. G. Abakumov. Grazhd. av. 20 no. 8, 26-27 Ag '63.

AERIAL PHOTOGRAMMETRY

Adjustment of large aerial triangulation nets. V. V. Vainauskas. Geod. i kart. no. 8, 40-46 Ag '63.

Airborne methods in the surveying of river bridge crossings. B. K. Mallavskii. Trudy TSNIIS no. 49 147-179 '63.

Computer for calculating corrections for coordinates of parallaxes of points of stereopairs. A. A. Chigirev, E. B. Ponomarev. Geod. i kart. no. 6, 39-47 Je '63.

Introduction of corrections for relief. I. F. Kushlin. Geod. i kart. no. 8, 46-49 Ag '63.

Location survey on the stereo model of a broken terrain with the use of differential type instruments. V. K. Tavlinov. Trudy TSNIIS no. 49 79-103 '63.

Surveying of linear construction objects. S. A. Butler. Trudy TSNIIS no. 49 5-64 '63.

Use of aerial photograph mosaics in location surveying. M. A. Baranov. Trudy TSNIIS no. 49, 65-78 '63.

Using aerial surveying data for determining the volume of earth work and the costs of operation. M. A. Baranov. Trudy TSNIIS no. 49 193-223 '63.

AERIAL PHOTOGRAMMETRY—EQUIPMENT AND SUPPLIES

Location survey on a stereo model made with the multiplex plotter. V.A Khrapkov Trudy TSNIIS no 19 136-146 '63

Photostereograph F V Drobyshev. Geod i kart. no.6 24-29 Je '63.

Study of a model photostereograph. P.S Meksandrov. Geod.i kart. no.6 30-32 Je '63.

Topographic radio X-band altimeter. S.S. Khoroshavin, V P. IAroslavtsev. Trudy TSNIIS no.49 180-192 '63.

Using a stereo model for location surveying on the STD-2 stereometer by means of a stereo plotter IU N. Pankratʹev, V M. Serdiukov. Trudy TSNIIS no.49 101-137 '63.

AERIAL PHOTOGRAPHY see Photography, Aerial

AERIAL SPORTS
(see also subdivision under Tiflis)

Aerobatics advanced flying is performed! B Bellman. Kryl.rod 11 no.9.15 S '63

Be ready for new starts. Kryl.rod. 14 no.7 14 Jl '63.

Facts, events, people. Kryl.rod. 14 no.7 32-33 Jl '63.

Mass participation and skill form the motto of the "Spartakiada" G Shatunov Kryl.rod 11 no.9 1-4 S '63

The party has given us the wings. A.Skvortsov. Kryl.rod. 14 no.7:1-7 Jl '63

Sky, friendship, skill I Zharkovskii Kryl rod. 11 no.9 15-19 S '63.

AERODYNAMICS

Asymptotic formulae for the coefficients of momentum and energy exchange on the surface of a body in an ambient flow of rarefied gas [with summary in English] R.G. Barantsev. Vest.LGU 18 no.13 69-76 '63.

Nonlinear theory of aerodynamic stability. V V Strumminskii Dokl AN SSSR 151 no.5.1046-1049 Ag '63.

Theory of a screw-shaped lifting surface (with summary in English). N N. Polikhov. Vest.LGU 18 no.13.92-105 '63.

AERODYNAMICS, HYPERSONIC

Resistance of a flat plate perpendicular to a hypersonic rarefied gas flow. O.G. Fridlender. PMTF no 3:150-15' My-Je '63.

AERODYNAMICS, SUPERSONIC

Base pressure for solids of revolution in supersonic gas flow [with summary in English]. L.I. Vereshchagina. Vest.LGU 18 no.13 139-143 '63.

Linearized supersonic flows through Laval nozzles. M. P. Rabokon'. Prikl.mat.i mekh. 27 no.4 714-718 Jl-Ag '63.

Using the shlieren system of photographic measurements for the quantitative investigation of the supersonic flow around the aerofoil L V. Vasilʹev, V. P. Minina Zhur. nauch i prikl fot i kin 8 no. 5:337-342 S-O '63.

AERONAUTICS

Facts, events, people Kryl.rod. 14 no.9:26-27 S '63.

It is useful to know this. Kryl.rod. 14 no.9.46 S '63.

AERONAUTICS—FLIGHTS
(see also subdivision under Cuba)

Higher, farther, and faster than all others. Grazhd.av. 20 no.8 7 Ag '63.

AERONAUTICS—LAWS AND REGULATIONS

Our regulations. N. Ezhov. Grazhd.av. 20 no.8 18-19 Ag '63.

AERONAUTICS—STUDY AND TEACHING
(see also subdivision under Riga)

Profession starts in a school. V. Demin. Grazhd.av. 20 no.7:27 Jl '63.

Use centralized instead of primitive methods. A. Lapshin. Grazhd.av. 20 no.7:27 Jl '63.

AERONAUTICS—TECHNOLOGICAL INNOVATIONS see subdivision under Ivanovo

AERONAUTICS, COMMERCIAL

Brief news. Grazhd.av. 20 no.6:31 Ag '63.

Soviet fifth ocean. V. Shaposhnikov. Grazhd.av. 20 no.8 2-5 Ag '63.

AERONAUTICS, COMMERCIAL—FINANCE

Enough of declarations and admonitions. A. Gorshkov. Grazhd.av. 20 no.8:24-25 Ag '63.

AERONAUTICS, MILITARY

Independence and initiative of the aviation officer. N. Shchepankov, A. Krylov. Komm, Vooruzh.Sil 3 no.16 44-49 Ag '63.

Ionov, P. P. [Notebook of an aircraft observer, 1918-1920] Zapiski letchika-nablIudatelia, 1918-1920 g.g. Moskva, Voenizdat, 1959. 165 p. illus.
(CSt-H)

AERONAUTICS IN AGRICULTURE
(see also subdivision under Ukraine)

Above sugar-beet plantations. G. Shubin, V. Ozdoev. Grazhd.av. 20 no.7:29 Jl '63.

Helicopter in the control of the Colorado beetle K V Panafidin, M I Shavi, V P Bondin Zashch rast ot vred i bol 8 no 7 15 Jl '63

AERONAUTICS IN FISHING

Airplane looks for fish M I Lukhovetskii Kryl rod. 11 no 9 25 S '63

AERONAUTICS IN FORESTRY
(see also subdivision under Archangel Province, Kostroma Province)

Protective equipment for fire fighting parachutists. B S. Khibarin, M G Chervonnyi Les khoz 16 no.2 53-55 F '63

AERONAUTICS IN GEOLOGY

Determination of the effective parameters of a medium in the field of a finite grounded cable. A V Veshev, E F. Liubtseva, G P Samosiuk. Uch. zap. LGU no. 328 3-63 '63.

AERONAUTICS IN METEOROLOGY

Airborne apparatus for integrated measuring of meteorological and dynamic characteristics of the atmosphere including clouds. V. I. Skatskii, V. V. Shchelokov. Izv. AN SSSR, Ser. geofiz. no.8:1270-1277 Ag '63.

AERONAUTICS IN SURVEYING

Increasing the geological effectiveness of aeromagnetic surveying. B. A Andreev, L. A Rivosh. Sov. geol. 6 no.8 116-118 Ag '63.

AEROSOLS

Bactericidal aerosols and prospects of their use for disinfection in the armed forces. S. D Belokhvostov Voen.-med. zhur. no.8:57-62 '62.

Effect of DDT and hexachloran aerosols on houseflies. Z. E. Vranchan. Trudy VNIIVS 14 8-9 '59.

Some results and future application of the aerosol method for controlling injurious and parasitic insects and ticks. K. P. Andreev. Trudy VNIIVS 14 3-5 '59.

Use of aerosols in controlling ectoparasites in livestock buildings. A. M. Mitrofanov, K. P. Andreev. Trudy VNIIVS 14 9-11 '59.

Use of aerosols in controlling ectoparasites of farm animals. D. K. Nechinennyi, P. N. Li, M. V. Kartashev. Trudy VNIIVS 14 6-8 '59.

Use of aerosols in controlling sheep botflies. G. I. IAnovich. Trudy VNIIVS 14.5-6 '59.

AEROSOLS—THERMAL PROPERTIES

Ice-making properties of lead iodide aerosols, obtained by burning up the metal iodide compounds. I. I. Vernidub and others. Izv. AN SSSR, Ser. geofiz. no.8.1278-1281 Ag '63.

AESTHETICS
(see also subdivision under United States)

Petty aesthetics. A Molchanova. Mol komm no.9:124-127 S '62.

Practice as a source of the aesthetic relation of man with reality. R. G Ketkhudov. Shor. trud. Gruz gos. inst. fiz. kulʹt. 5 189-202 '62.

AESTHETICS—BIBLIOGRAPHY see Bibliography—Aesthetics

AESTHETICS—STUDY AND TEACHING
(see also subdivision under Kuybyshev District)

Aesthetics education in a Pioneer troop. G. I. Ogorov. Sov. pedag. 27 no 6:25-30 Je '63.

Aesthetics education in history lessons. G. R. Kosova. Sov. pedag. 27 no. 6:19-24 Je '63.

Beauty is worth fighting for! A. S. Sukhovaia. Vech. shkola 6 no.3:81-82 My-Je '63.

Reflections on compositions. D. Miroshnichenko. Prof.-tekh. obr. 20 no.8:20-21 Ag '63.

Road to beauty. G Polnachek Sem'ia i shkola 18 no 6 8-9 Je '63

Training of aesthetic perceptiveness in children. G. V. Labunskaia. Nach. shkola 31 no.10:7-13 O '63.

AFFORESTATION

Improving "worthless" sandy lands by pine growing [with summaries in English and German]. G. I. Vasilʹev. Vest. sel'khoz. nauki 8 no.4:111-113 Ap '63.

Possibilities of mechanizing afforestation work on tailing heaps. P. I. Kruchinin, V. A. Ovchinnikov. Les. khoz. 16 no.2:66-69 F '63.

AFFORESTATION—EQUIPMENT AND SUPPLIES

Using new machines in afforestation. I. M. Zima, I. F. Makaruk. Les. khoz. 16 no.5:63-65 My '63

AFGHANISTAN—FOREIGN ECONOMIC RELATIONS—RUSSIA

From the history of Soviet-Afghanistan economic cooperation. Kh. Zainutdinov. Uch. zap. Dush. gos. ped. inst. 35. Ser. geog. no.2.195-218 '62.

AFGHANISTAN—WOMEN—RIGHTS OF WOMEN

Equality is the call of our time. Alla Parvanta. Az.i Afr., seg. no.8 41 Ag '63.

AFRASIAB—BURIAL

Medieval burial on the ancient site of Afrasiab. M. Pachos. Nauch. rab.i soob. Otd. obshchestv. nauk AN Uz. SSR 5:191-196 '62.

AFRICA—DANCING

African dances. Az.i Afr. seg. no.8 51-55 Ag '63.

AFRICA—HISTORY

Leningrad. Universitet. [Recent history of the countries of Asia and Africa] Noveishaia istoriia stran zarubezhnoi Azii i Afriki [Leningrad] Izd-vo Leningr. univ. 1963 613 p
(CSt-H)

AFRICA—INDUSTRIES

The decisive factor for independence [with English summary in insert] N Gavrilov. A.i Afr., seg. no 8 4-6 Ag '63.

AFRICA—POLITICS

Marxian book on the struggle of the African peoples. V. Rybakov. Mir. ekon i mezhdunar. otn no.8:145-148 '63

AFRICA—PORTUGUESE COLONIES

Racialism and colonialism on trial N Arkadʹev Nov. vrem 21 no 31 18-19 Ag '63

AFRICA—TRADE UNIONS

Labor movement Changes in the trade union movement in Africa. IU. Popov. Nov. vrem. 21 no 35 16-18 Ag '63.

Marxian book on the struggle of the African peoples. V Rybakov. Mir. ekon i mezhdunar. otn no 8:145-148 '63

AFRICA—TRANSPORTATION

Transportation problem in Africa. A. Shpirt. Mir. ekon i mezhdunar. otn no.8:110-118 '63.

AFRICA—WATER RESOURCES DEVELOPMENT

Projects which do not seem Utopian. Az. i Afr. seg. no.8:58 Ag '63.

AFRICA—WINDS

Interseasonal displacement and evolution of a subtropical jet stream. G. G. Olintseva-Nebrat. Trudy TSIP no.122.12-55 '63.

AFRICA, EAST—POLITICS

"How the peoples of East Africa struggled for their national liberation after the Second World War" by A. M. Khazanov. Reviewed by I. N. Kuliev. Vop. ist. 38 no.7.111-116 Jl '63.

AFRICA, SOUTHWEST—IRRIGATION

Irrigation in the countries of southern Africa. IU. D. Dmitrevskii. Mat. Vost. kom. Geog. ob-va SSSR no.1 9-17 '62.

AFRICA, WEST—BANKS AND BANKING

Development of the banking systems in the countries of the former French West Africa. V. Ponamarev. Den.i kred. 21 no.8 77-81 Ag '63.

AFRICA, WEST—DESCRIPTION AND TRAVEL

Zabelin, I. M. [Lofira leaves; African tales] Listʹia lofiry; afrikanskie povesti Moskva, Geografgiz, 1963 251 p (Puteshestviia, prikliuchenila, fantastika)

AGAR

Methods for detecting the microorganisms of autochthonous microflora in agar media [with summary in English]. E. Z. Tupper Lv TSRIA no.3:226-233 '63.

AGGREGATES

Decomposition of a set of Poisson-stable motions into invariant classes. B. A. Shcherbakov. Dokl. AN SSSR 152 no.1:71-74 S '63.

Interpolation on sets of zero measure. A. A. Privalov. Uch. zap. MGPI no.188:163-169 '62.

Relationship between volume and diameter of sets in n-dimensional Banach space. M S. Melʹnikov. Usp mat. nauk 18 no.1.165-170 Jl-Ag '63.

AGING

Characteristics of the formation of complex systems of temporary connections in people at the age of 50 to 80. L. A. Hurynovich. Vestsi AN BSSR. Ser. bilal. nav. no.1:59-63 '63.

Innervation of the palatine tonsil in man in connection with the age-related characteristics of its structure. T. I. Inochentsi-Larionova Vest. otorin no.1:55-60 '63

AGRICULTURAL ADMINISTRATION
(see also subdivision under Guzar District; Kazakhstan; Mamlyutka District; Rumania; Samarskoye District; Ustʹ-Labinsk District, Uzbekistan)

The most important task of the leadership in agriculture. Part. zhizn' no.16:3-7 Ag '63.

Pay more attention to rural party committees. Part. zhizn' no.17.77-79 S '63.

Rapid development of agriculture is a problem of national importance. A. Davydov. Komm. Uz. 35 no.6: 11-20 Je '63.

Role of regional agricultural administrations in the execution of the delivery of farm produce contracts. A. IA. Volkov. Sov. gos. i pravo 33 no.9:87-90 S '63.

Trade-union committee of a production administration. Sov. profsoiuzy 19 no.13:2-3 Jl '63.

AGRICULTURAL CHEMICALS see subdivision under Moldavia

AGRICULTURAL CHEMICALS—MARKETING
Extend the marketing of poisonous chemicals in small containers. Zashch. rast. ot vred. i bol. 8 no. 7 55 Jl '63

AGRICULTURAL CHEMISTRY
Chemistry as an ally of the farmer. I. P. Volovchenko. Zemledelie 25 no. 9 13-15 S '63
Vol'kovich, S. I. [Chemistry in agriculture] Khimiia v sel'skom khoziaistve. Moskva, Izd-vo Akad. nauk SSSR, 1963. 51 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)
(DNAL)

AGRICULTURAL CHEMISTRY—LABORATORY MANUALS
Peterburgskii, A. V. [Laboratory manual on agricultural chemistry] Praktikum po agronomicheskoi khimii. Izd. 5., perer. i dop. Moskva, Sel'khozizdat, 1963. 591 p. (Uchebniki i uchebnye posobiia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)
(DNAL)

AGRICULTURAL CONTRACTS see Contracts, Agricultural

AGRICULTURAL CREDIT
Improving the practice in issuing credit to collective and state farms. M. Rybnikov. Den. i kred. 21 no. 8 40-42 Ag '63.
New developments in issuing credit to collective and state farms. M. A. Rybnikov. Uchet i fin. v kolkhoz. i sovkhoz 20 no. 9:42-43 S '63
Our readers' letters. Den. i kred. 21 no. 8 71-76 Ag '63.

AGRICULTURAL EDUCATION
(see also subdivision under Czechoslovakia; Novospasskoye region)
Improve the training of specialists. Zashch. rast. ot vred. i bol. 8 no. 7 3-5 Jl '63
Increase in knowledge is required by our time. N. Monakhov. NTO 5 no. 6 34-36 Je '63.

AGRICULTURAL EXHIBITIONS
Agriculture at the Exhibition of Achievements of the National Economy. Inform. biul. VDNKH no. 7:1-4 Jl '62.

AGRICULTURAL LABORATORIES see subdivision under Chelyabinsk Province

AGRICULTURAL LABORATORIES—EQUIPMENT AND SUPPLIES
Apparatus for agricultural laboratories. O. A. Smirnov. Zemledelie 25 no. 7:66-67 Jl '63.

AGRICULTURAL LAWS AND LEGISLATION
[Collection of laws on labor safety on collective farms] Sbornik zakonodatel'nykh aktov po okhrane truda v kolkhozakh. Moskva, Gosiurizdat, 1963. 289 p.
Some features of the bourgeois theory of agricultural law. V. A. Kikot'. Sov. gos. i pravo 33 no. 9:134-140 S '63.
"Studies on the present-day agricultural laws of capitalist countries" by L. I. Dembo, A. M. Kalandadze. Izv. vys. ucheb. zav., prav. 7 no. 2:170-173 '63
"The 22d Congress of the CPSU and the problems of collective farm and agricultural law." S. B. Baisalov. Sov. gos. i pravo 33 no. 9:145-146 S '63.

AGRICULTURAL MACHINERY
(see also subdivision under Rostov Province; White Russia)
Application of mathematical-statistics methods in the engineering evaluation of machinery compounding. A. P. Terekhov. Nauch. trudy UNIIMESKH 4:128-133 '62.
Calculation of the efficiency of automatic control of the operation of mobile agricultural machinery. M. V. Mikhailov. Mekh. i elek. sots. sel'khoz. 21 no. 4:19-23 '63.
Dowel-type seeding devices with aerial and capronе components. IU. A. Zelenskii. Mekh. i elek. sots. sel'khoz. 21 no. 4:49-50 '63.
Efficiency promoters suggest. S. Dobromravov. Prof.-tekh. obr. 20 no. 8:26 Ag '63.
Grain and machinery. S. Strokov. Kult. i zhizn' 7 no. 5: 32 '63.
Increasing operating speeds of machinery in corn growing. A. Lysenko, A. Volik, V. Grechko. Tekh. v sel'khoz. 23 no. 5:10-13 My '63.
New machines. M. I. Nozhkin. Zemledelie 25 no. 7:64-66 Jl '63.
Readers' letters. Sel'. mekh. no. 5 4-7, 24-25 My '63
They accomplished what they had in mind. Sel'. mekh. no. 5 26-27 My '63.
What the skillful farm workers are working on. Tekh. v sel'khoz. 23 no. 5:71-75 My '63.

AGRICULTURAL MACHINERY—ABSTRACTS
[Tractors and agricultural machinery and equipment] Ref. zhur.: Trakt. i sel'khoz. mash. i orud. no. 9 S '63.

AGRICULTURAL MACHINERY—DESIGN AND CONSTRUCTION
(see also subdivision under Latvia)
Some problems in the theory of designing high-speed tractor-driven machinery [with summary in English]. L. I. Rivlin. Izv. TSKHA no. 3:176-191 '63.

AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR
(see also subdivision under Kopyl', Ukraine, Ust'-Labinsk, Vinnitsa Province)
Advanced methods of technical maintenance, storage, and repair of the machinery and tractor fleet. Inform. biul. VDNKH no. 5 20-21 My '62.
Be careful! S. Gimein. Sel'. mekh. no. 5 17-19 My '63
Determination of the optimum size of repair enterprises. M. S. Gutorovich. Mekh. i elek. sots. sel'khoz. 21 no. 1: 51-52 '63
For the proper maintenance and protection of agricultural machinery. T. Sergeeva. Sov. iust. no. 11 13-14 Jl '63.
Glue compounds for restoring worn machinery components. V. S. Kramarov, N. A. Nazirov. Nauch. trudy UNIIMESKH 4:106-111 '62
Organization of the maintenance and repair of machines and tractors. Tekh. v sel'khoz. 23 no. 5:1-3 My '63

AGRICULTURAL MACHINERY—TECHNOLOGICAL INNOVATIONS
Skilled workers will appreciate it. Izobr. i rats. no. 7 38-39 '63.

AGRICULTURAL MACHINERY—TRANSMISSION DEVICES
Ananov, G. D. [Kinematics of three-dimensional hinged mechanisms of agricultural machines] Kinematika prostranstvennykh sharnirnykh mekhanizmov sel'skokhoziaistvennykh mashin. Moskva, Mashgiz, 1963. 219 p.
Nauchno-tekhnicheskoe obshchestvo mashinostroitel'noi promyshlennosti. TSentral'noe pravlenie. [Using stepless transmissions in tractors and agricultural machines] Primenenie besstupenchatykh peredach v traktorakh i sel'skokhoziaistvennykh mashinakh, sbornik dokladov. Moskva, Mashgiz, 1963. 157 p.

AGRICULTURAL MACHINERY—WELDING
Making use of welding deformations in repairing. V. Dazhin. Tekh. v sel'khoz. 23 no. 5:63-65 My '63.

AGRICULTURAL MACHINERY INDUSTRY
(see also subdivision under Tashkent, Uzbekistan)
From those who build machines. Part. zhizn' no. 17:10-11 S '63.

AGRICULTURAL MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES see subdivision under Uzbekistan

AGRICULTURAL MACHINERY INDUSTRY—LABOR PRODUCTIVITY see subdivision under Tashkent

AGRICULTURAL METEOROLOGY see Meteorology, Agricultural

AGRICULTURAL MICROBIOLOGY—CONGRESSES
All-Union Conference on Agricultural Microbiology. L. N. Patetskaia. Izv. AN Turk. SSR. Ser. biol. nauk no. 4:94-95 '63.

AGRICULTURAL POLICY
Following the Leninist principles. Uchet. i fin. v kolkhoz. i sovkhoz. 20 no. 9:2-5 S '63.
Important contribution to the theory and practice of the building of communism. I. Gorianov. Sots. trud 8 no. 6:10-19 Je '63
Remarkable contribution to the treasure house of Marxism-Leninism. Komm. Ukr. 36 no. 6 21-30 Je '63.
Some problems concerning the advance of Soviet villages toward communism. M. I. Rivlin. Uch. zap. kaf. obshchestv. nauk vuz. g. Len., Ist. KPSS no. 4:35-60 '63.

AGRICULTURAL PRICES
Economic bases of price determination for agricultural products. I. Lukinov. Ekon. sel'khoz. 34 no. 7:18-34 Jl '63.
Improving prices for basic agricultural products. L. Kassirov. Vop. ekon. no. 8:98-109 Ag '63.
Market prices within the collective farm. V. Morozov. Vop. ekon. no. 8:144-150 Ag '63.
Studying the problems of price determination. V. Romanov. Ekon. sel'khoz. 34 no. 7:124-126 Jl '63.

AGRICULTURAL RESEARCH
(see also subdivision under Ukraine; Uzbekistan)
Twenty-first session of the Council on the Coordination of Scientific Activities of the Academies of Sciences of the Union Republics. I. S. Rabochev. Izv. AN Turk. SSR. Ser. biol. nauk no. 4:93-94 '63.
Wheat, stronger than frost. O. Lysenko. Mol. komm. no. 9:58-60 S '62.

AGRICULTURAL WAGES
(see also subdivision under Komi A. S. S. R.; Odessa; Stavropol Territory; Ukraine)
Accounting and distributing supplementary payments for products received on state farms. D. S. Bidenko. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5:8-9 My '63
Contractual relations should be employed in collective farm production. P. Platnitskii. Part. zhizn' no. 17: 30-40 S '63.
How wages are paid for field work. Sel'. mekh. no. 5 34-35 My '63
Wages according to crop yield. Part. zhizn' no. 17 [illegible] S '63.

AGRICULTURAL WORKERS see subdivision under Alekseyevka District (Tselinograd Province), Georgiyevsk region, Kherson Province; Moldavia, Razheve (Tyumen' Province), Surkhan-Darya Province, Uzbekistan

AGRICULTURAL WORKERS—DISEASES AND HYGIENE see subdivision under Moldavia

AGRICULTURAL WORKERS—EDUCATION AND TRAINING see subdivision under Rostov Province, Ryazhsk District, Tarashcha District

AGRICULTURE
(see also subdivision under Apsheron District; Moscow Province, Shivyanskiy District, Krasnodar Territory; Tajikistan, Uzbekistan; Virgin Territory)
Advanced practices for high-productive utilization of soil. Inform. biul. VDNKH no. 5 17-18 My '62.
Agriculture abroad. Visnyk sil'hosp. nauky 6 no. 6 117-119 Ag '63
Book on the efficient organization of agriculture in cities. I. Sigov. Nauch. dokl. vys. shkoly, ekon. nauki 6 no. 5 131-134 '63.
Consistent intensification is the main path for raising agricultural upsurge. V. Gabidullin. Ekon. sel'khoz. 36 no. 7 115-118 Jl '63.
Dolarenko, A. G. [Entertaining agronomy] Zanimatel'naia agronomiia. 2 izd. Moskva, Sel'khozizdat, 1963. 182 p.
(DNAL)
The Fifth Inter-Republic Conference on the Agricultural History of Eastern Europe. A. M. Anfimov, [illegible] Khonov. Vop. ist. 38 no. 7:111-116 Jl '63.
In the effort for a vigorous upsurge in agriculture. M. Terent'ev. Vop. ekon. no. 9:3-15 S '63.
Rapid development of agriculture is a problem of national importance. A. Davydov. Komm. Ukr. 35 no. 6 11-20 Je '63.
Remarkable contribution to the treasure house of Marxism-Leninism. N. Turchaninov. Komm. Ukr. 36 no. 6:21-30 Je '63.
The road of great achievements; on the tenth anniversary of the plenary session of the Central Committee of the CPSU in September 1953. V. P. Ilimov. Vop. ist. KPSS 7 no. 8 26-40 Ag '63.
The Tenth anniversary of the 1953 September Plenum of the Central Committee of the CPSU. I. N. Kuz'min. Zemledelie 25 no. 9 3-9 S '63.
A textbook of heroic deeds. B. Zheleznov. Mol. kom. no. 7:34-40 Jl '63.
TSkhomaridia, D. B. [Agrobiologic science and agriculture. Agrobiologicheskaia nauka i kul'tura zemledeliia] Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1961. 232 p. [In Georgian with summary in Russian]
(DNAL)
Udachin, S. A. [The land resources of the U. S. S. R. and their use] Zemel'nyi fond SSSR i ego ispol'zovanie. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1960. 240 p.
(MiU)
[Use land efficiently] Po khoziaiski ispol'zovat' zemliu. Moskva, Sovetskaia Rossiia, 1962. 220 p. (Tsurlevskim sela ob intesivnoi sisteme zemledeliia, no. 1)
(DNAL)

AGRICULTURE—ACCIDENTS see subdivision under Georgia

AGRICULTURE—ACCOUNTING
(see also subdivision under Kalmyk A. S. S. R.; Kursk Province; Sverdlovsk)
Accounting principles in agricultural enterprises. P. F. Nemchinov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 2 14-18 Ag '63.
Brief news. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 8 47-48 My '63.
Brief news. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 8 48 Ag '63.
Brief news. Uchet. i fin. v kolkhoz. i sovkhoz. 20 no. 9 47-48 S '63.
Collective and state farms should have a uniform accounting system. I. A. Romanchuk, P. A. Nenashev. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 8:9-11 Ag '63
Take care of feeds all year-round. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5:2-3 My '63.
Uniform accounting report plan. M. A. Makrushin. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 8:11-12 Ag '63.
Ways to unify collective and state farm reports. I. N. Mikhailov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5: 4-6 My '63.

AGRICULTURE—ACCOUNTING—BIBLIOGRAPHY see Bibliography—Agriculture—Accounting

AGRICULTURE—AUDIO-VISUAL AIDS
Visual aid for agricultural economics schools. S. T. Grigor'ev. Uchet. i fin. v kolkhoz. i sovkhoz. 20 no. 9:45-47 S '63.

AGRICULTURE—AUDITING AND INSPECTION see subdivision under Daghestan, Dnepropetrovsk Province

AGRICULTURE—BIBLIOGRAPHY see Bibliography—Agriculture

AGRICULTURE—ECONOMIC ASPECTS

How to evaluate the economic operations of collective and state farms. Ekon. sel'khoz., 34 no. 7 92-103 Jl '63

Results of the reorganized farming system on a thriving farm [with summary in English]. A. N. Kuznetsov. Izv. TSKHA no. 3:19-29 '63.

Scientific and Technical Society on Agriculture. I Abushaev. Ekon. sel'khoz., 34 no. 7 126 Jl '63.

V. I. Lenin's notebooks on the agrarian problem, on the publication of the fourth edition of volume 16 of V. I. Lenin's works. B. P. Kuznetsov. Vop. ist. KPSS 7 no. 9:107-111 S '63

AGRICULTURE—ECONOMIC ASPECTS—BIBLIOGRAPHY see Bibliography—Agriculture—Economic aspects

AGRICULTURE—EXPERIMENTATION

Manual on the organization of agricultural experimentation. E. P. Gusarov. Sov. pedag. 27 no. 7 112-113 Jl '63.

Supervising the agricultural research of students. L. I. Kobzar. Rad. shk. 42 no. 7:40-44 Jl '63.

AGRICULTURE—LABOR PRODUCTIVITY
(see also subdivision under Ukraine, Uzbekistan)

Let us disseminate progressive experience among many millions of toilers. Komm. Ukr. 38 no. 6:2-9 Je '64

AGRICULTURE—PERIODICALS

New agricultural magazines. B. Stukalin. Part. zhizn' no. 16:75-78 Ag '63.

AGRICULTURE—PRODUCTION STANDARDS see subdivision under Odessa Province

AGRICULTURE—SAFETY MEASURES

[Collection of laws on labor safety on collective farms] Sbornik zakonodatel'nykh aktov po okhrane truda v kolkhozakh. Moskva, Gosizdat, 1963 289 p.

AGRICULTURE—STUDY AND TEACHING
(see also subdivision under Orenburg; Uzbekistan; Virgin Territory; Volgograd Province)

Development of organizational abilities and skills in youth during their work in student labor brigades. L. P. Kutsenko. Rad. shk. 12 no. 8:57-61 Ag '63.

Forge of rural personnel. A. Romanenko. Nar. obr. no. 6:41-43 Je '63.

In study and in work. V. IAs'. Rad. shk. 42 no. 7:59-61 Jl '63.

Inquisitive, persistent and diligent. Nar. obr. no. 6:59-59 Je '63.

Let's train them through work and for work. A. Gusakov. Shkola i proizv. 7 no. 8:91-93 Ag '63.

Miraculous compass. A. T'Syb. Nar. obr. no. 6:44-51 Je '63.

AGRICULTURE, COOPERATIVE
(see also subdivision under Kashka Darya Province; Rumania, Uzbekistan)

Akademiia nauk SSSR. Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii. [Agricultural cooperation under the conditions of capitalism] Sel'skokhoziaistvennaia kooperatsiia v usloviiakh kapitalizma. Moskva, Sotsekgiz, 1963. 350 p.

General session of the Department of History of the Academy of Sciences of the U. S. S. R. K. I. Sedov. Vop. ist. 38 no. 8:101-102 Ag '63.

V. I. Lenin's "cooperative plan" and its development in the new program of the CPSU [with summary in English, p. 220]. V. M. Selunskaia. Vop. ist. 38 no. 7:34-45 Jl '63.

AIDS TO NAVIGATION

Gaikin, R. N., and I. E. Shmerling. [Automatic devices for beacons and buoys] Avtomaticheskie ustroistva v sudokhodnoi obstanovke. Moskva, Izd-vo "Rechnoi transport," 1963. 91 p.

AIR—ANALYSIS

Determination of nitrogen-containing organosilicon compounds in the air. F. D. Krivoruchko. Zav. lab. 29 no. 8:927-928 '63.

AIR—DRYING

Mobile calcium chloride air-drying apparatus. Khim. mashinostr. no. 4:11-13 Jl-Ag '63.

AIR, IONIZED
(see also subdivision under Kiev)

E. A. Cherniavskii's physicochemical conception of atmospheric ionization. S. N. Flnogenov. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:173-175 Mr-Ap '63.

AIR, IONIZED—PHYSIOLOGICAL EFFECT

Effect of moderately increased doses of positive aeroions on the organism of a healthy person; preliminary report. A. D. Egorov, V. V. Ogleznev, V. G. Torent'ev. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:135-137 Mr-Ap '63.

Minkh, A. A. [Ionization of the air and its hygienic significance] Ionizatsiia vozdukha i ee gigienicheskoe znachenie. Izd 2., ispr. i dop. Moskva, Medgiz, 1963. 350 p.
(DNLM)

AIR, IONIZED—THERAPEUTIC USE
(see also subdivision under Belokurikha)

Dosimetry of ion treatment. A. P. Shtukakov. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2 137-139 Mr-Ap '63.

Result of using aeroion therapy in hypertension and stenocardia. N. I. Speranskii and others. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:130-135 Mr-Ap '63.

"Therapeutic properties of ionized air" by S. N. Flnogenov. Reviewed by A. A. Minkh. Vop. kur. fizioter. i lech. fiz. kul't. 28 no. 2.177-178 Mr-Ap '63.

AIR COMPRESSORS

Semigraphical method of determining some parameters of pressure charging for compressors working at high altitudes. N. M. Baranmikov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 7 187-194 '63.

AIR CONDITIONING

Automation of industrial air conditioning systems. M. V. Khalameizer. Prom. energ. 18 no. 5:10-16 My '63.

AIR CONDITIONING—EQUIPMENT AND SUPPLIES

Senatov, I. G., and IU. A. Kurikhina. [Vertical nonautonomous Kd-43s air-conditioner with 1,500 m^3/hr. productive capacity] Vertikal'nyi neavtonomnyi konditsioner Kd-43s proizvoditel'nost'iu 1500 m^3/chas. Moskva, Biuro proektno-konstruktorskoe i tekhn. pomoshchi, 1962. 30 p.
[MICROFILM]

AIR EJECTORS—COOLING

Estimating the values of heat transmission ratios in air ejector coolers. V. G. Ermilov. Sudostroenie 29 no. 5: 26-27 My '63.

AIR PILOTS
(see also subdivision under Uzbekistan)

Not only by authority. P. Arkhipov. Grazhd. av. 20 no. 8:13-14 Ag '63.

Vocation. V. Valenov. Grazhd. av. 20 no. 8:9-10 Ag '63.

AIR PREHEATERS

Heat emission and aerodynamic resistance of the heating surfaces of regenerative grid-type air heaters. B. V. Latenko. Izv. vys. ucheb. zav. energ. 6 no. 8 72-80 Ag '63.

AIR PREHEATERS—DESIGN AND CONSTRUCTION

Causes of the rupture of air-preheater housings. L. G. Shumakov. Stal' 23 no. 7:597-598 Jl '63.

AIRGLOW see subdivision under Khoyan Island

AIRLINES see subdivision under Czechoslovakia

AIRLINES—EMPLOYEES

Information office of the "Grazhdanskaia Aviatsiia." Grazhd. av. 20 no. 7:31 Jl '63.

Information office of the "Grazhdanskaia aviatsiia" (to be concluded). Grazhd. av. 20 no. 8:15 Ag '63.

AIRPLANE RACING

Heroic flight. N. Babaev. Kryl. rod. 14 no. 9:31 S '63.

AIRPLANES

Born in 1962 and named "11." I. TSyganov. Grazhd. av. 20 no. 8.6 Ag '63.

Tarasov, E. V. [Optimum flight conditions for flying vehicles] Optimal'nye rezhimy poleta letatel'nykh apparatov. Moskva, Oborongiz, 1963. 247 p.

AIRPLANES—DESIGN AND CONSTRUCTION

Bitiukov, N. M., and P. F. Chudarev, course "Theoretical fundamentals of processes of the manufacture of air students in evening classes] Lektsi cheskie osnovy tekhnologii i protsess detalei samoletov" dlia studentov ve Pod obshchei red. P. F. Chudareva. 1963. 175 p.

AIRPLANES—ENGINES

Zhiritskii, G. S., ed. [Gas turbines Gazovye turbiny aviatsionnykh dvig Zhiritskii i dr. Moskva, Oborongiz

AIRPLANES—ENGINES—ABSTRACTS

[Aircraft and rocket engines] Ref. zhu no. 9 S '63.

AIRPLANES—FUEL SYSTEMS

Confirmed by experience and practice. Grazhd. av. 20 no. 7:28 Jl '63.

Has everything been taken into consi Grazhd. av. 20 no. 7:28 Jl '63.

AIRPLANES—LANDING

A difficult test. L. Ryabkov. Grazhd. '63.

AIRPLANES—MAINTENANCE AND REPAIR
(see also subdivision under Alma-Ata)

It is time to review old regulations. V. Ermolov. Grazhd. av. 20 no. 8 20 Ag '63.

AIRPLANES—MODELS

Airplane-model competitions. Kryl. rod. 14 no. 9 11 S '63

Airplane-model racing. A. Ermakov. Kryl. rod. 14 no. 7 44 Jl '63.

Most favorable trajectories for gaining in altitude. A. Vasil'ev. Kryl. rod. 14 no. 9 42-43 S '63.

Radio waves replace the cord. A. Oganesian. Kryl. rod. 14 no. 7 45-47 Jl '63.

AIRPLANES—PILOTING

Look sharp. E. Borisov, D. Chulanov. Kryl. rod. 14 no. 7.38-39 Jl '63

Winged acrobats. A. Golikov, G. Makarov. Ogonek 41 no. 29:5 Jl '63.

AIRPORTS
(see also subdivision under Kokand)

Party and state inspection in action. T. Chetvz, D. Beloglazov, V. Ivanov. Grazhd. av. 20 no. 7:12-13 Jl '63.

AIRPORTS—DESIGN AND CONSTRUCTION

In advance of the airplane. V. Avgevich. Grazhd. av. 20 no. 8 22-23 Ag '63.

AIRPORTS—MANAGEMENT see subdivision under Aktyubinsk

AKADEMGORODOK—ACADEMY OF SCIENCES OF THE U. S. S. R.

Birth of a new method for the training of young scientists. Tekh. mol. 30 no. 11 14-17 '62.

AKATNOV, IVAN NIKOLAEVICH, 1902-1963?

Ivan Nikolaevich Akatnov, an obituary. Muk.-elev. prom. 29 no. 3 32 Mr '63

AKKURGAN DISTRICT—COLLECTIVE FARMS—AUDITING AND INSPECTION

Inspector and party organizer. M. Podkolzina. Part. zhizn' [Uzb.] 6 no. 7 80-81 Jl '63

AKMOLINSK PROVINCE see Tselinograd Province

AKTAU (ILI DEPRESSION)—POLLEN, FOSSIL

Palinological complexes of Miocene sediments of the Ak-Tau Mountains (Ili Depression). S. M. Bliakhova. Mat. po ist. fauny i flory Kazakh. 4:167-185 '63.

AKTUSU RIVER—PARASITES—FISHES

Fish parasites of the Aktu-Su River. O. V. Dobrokhotova. Trudy Inst. zool. AN Kazakh. SSR 19:145-148 '63.

AKTUSU RIVER—WORMS, INTESTINAL AND PARASITIC

Fish parasites of the Aktu-Su River. O. V. Dobrokhotova. Trudy Inst. zool. AN Kazakh. SSR 19:145-148 '63.

AKTYUBINSK—AIRPORTS—MANAGEMENT

Everyday for the people. L. Pechenkina. Grazhd. av. 20 no. 8.8 Ag '63.

AKTYUBINSK—CHEMICAL INDUSTRIES

The large-scale chemistry of Aktyubinsk. G. Abuov. Part. zhizn' Kazakh. 33 no. 7.66-69 Jl '63.

AKTYUBINSK PROVINCE—GAS, NATURAL—GEOLOGY

Avrov, P. IA., and L. G. Kosmacheva. [Geology and oil and gas potentials of the Ural Mountain region of Aktyubinsk Province and in the western part of the Mugodzhar Hills region] Geologicheskoe stroenie i perspektivy neftegazonosnosti Aktiubinskogo Prl-ural'ia i Zapadnogo Primugodzhar'ia. Alma-Ata, Izd-vo AN Kazsep 1963. 192 p.

ALATAU, ZAILIYSKIY see Trans-Ili Alatau

ALBANIAN LANGUAGE—DICTIONARIES—RUSSIAN
[Albanian-Russian pocket dictionary, 6,200 words] Kar-manuvl albansko-russkii slovar' Sost R D Kochi, 6200 slov Izd 2 Moskva, Gos izd-vo inostr i natsional'nykh slovarei, 1961 380 p

ALBANIAN LANGUAGE—FOREIGN WORDS AND PHRASES—SLAVIC
Desnitskaia, A. V. [Slavic loan words in Albanian] Slavianskie zaimstvovaniia v albanskom iazyke Moskva, Izd-vo Akad. nauk SSSR, 1963 23 p (Doklady sovetskoi delegatsii, V Mezhdunarodnyi s"ezd slavistov) [With summary in French]

ALBITE
Estimation of the thermal effect of water separation from melts of acid composition based on the albite-water system [with summary in English]. N.I Khitarov, A.A. Kadik, L.B Lebedev Geokhimiia no. 7 619-630 Jl '63.

ALBITOPHYRES see subdivision under Armenia

ALBOMYCIN
Chemical structure of the albomycin antibiotic I. G Makarova, N A. Poddubnaia Vest Mosk un Ser 2 Khim. 18 no 4 44-47 Jl-Ag '63

ALCOHOLICS—HOSPITALS AND ASYLUMS
Organization of hospitalization for persons suffering from injuries inflicted while under the influence of alcohol. V.IA. Mikheikin. Sov. zdrav 22 no. 6 34-36 '63

ALCOHOLISM
Functional state of the adrenal glands in chronic alcoholism. N. K. Zurabian, I. Sh. Grinshpun. Vrach. delo no. 8:116-117 Ag '63.
Medical consultation. Fel'd, i akush. 28 no. 2:56-57 F '63.

ALCOHOLS
Catalytic hydrogenation of furan and aliphatic hydroxy compounds by the flow method under elevated hydrogen pressure. I. F. Bel'skii, N. I. Shuikin, V. M. Shostakovskii. Izv. AN SSSR, Ser. khim. no. 8 1631-1635 S '63.
Isomerization of Δ^3-carene oxide in the reaction with alcohols in the presence of acids. Z. G. Isaeva, I. S. Andreeva. Dokl. AN SSSR 152 no. 1:106-108 S '63.

ALDAN PLATEAU—GOLD
Geochemistry of gold in the weathering surface and biosphere of the permafrost region in the Aldan Shield. L. V Razin, I. S. Rozhkov. Trudy IAFAN SSSR Ser geol. no. 16:5-22 '63.

ALDAN PLATEAU—NONMETALLIC MINERALS
Genesis of crystal-bearing veins in the Aldan Shield V. I. Berger, A. A. Moskaliuk. Trudy VSEGEI 83 33-48 '62.

ALDEHYDES
Reaction of furan alcohols and their derivatives with α,β-unsaturated aldehydes and ketones. V. G. Glukhovtsev, S. V. Zakharova, A. D. Petrov. Dokl. AN SSSR 151 no. 3 570-572 Jl '63.
Reduction of carboxylic acid esters to aldehydes with sodium aluminum hydride. L. I. Zakharkin, V. V. Gavrilenko, D. N. Maslin. Izv. AN SSSR, Ser. khim. no. 8: 1526 Ag '63.

ALDOLASE
Effect of γ-globulin on the change of aldolase activity in those in contact with a focus of Botkin's disease. V. D. Soboleva. Sov. med. 27 no. 7 105-110 Jl '63.

ALEKSANDRENKO, GLEB VASIL'EVICH, 1898-1963
Gleb Vasil'evich Aleksandrenko; obituary. Izv. vys. ucheb. zav., prav. 7 no. 2:100-101 '63.

ALEKSANDROV, ANATOLII PETROVICH, 1903-
Anatolii Petrovich Aleksandrov; on his sixtieth birthday. Vysokom. soed. 5 no. 9:947-949 Se '63

ALEKSANDROV, MIKHAIL STEPANOVICH, 1863-1933
A writer of impassionate social and political works. V. A Moseintsev. Vop ist KPSS 7 no. 8 134-137 Ag '63.

ALEKSANDROVKA (KIRGHIZISTAN)—CONJUNCTIVITIS, GRANULAR
Result of trachoma control in an antitrachoma dispensary of the village of Aleksandrovka in the Kirghiz S. S. R. S. M. Dobrova. Sov. zdrav. Kir no. 3 11-12 My-Je '63.

ALEKSEEV, MIKHAIL, 1895-
Mikhail Alekseev's new novel "Cherry pond." E. Bakhmet'eva. Zvezda no. 8 202-203 Je '62.

ALEKSEYEVKA DISTRICT (TSELINOGRAD PROVINCE)—AGRICULTURAL WORKERS
In the midst of life V. Parkhomenko. Part. zhizn Kazakh. 33 no. 4:66-69 Ap '63.

ALEKSEYEVKA DISTRICT (TSELINOGRAD PROVINCE)—HOSPITALS
Work of the district hospital under the new system of district rearrangement. P. P. Petrov. Sov. zdrav. 22 no. 6:5-7 '63.

ALEKSEYEVSKOYE DISTRICT—HOSPITALS
Report on the work of the Alekseevskoye District Hospital in the Tatar A S S R P L Krasil'nikov. Fel'd. i akush. no. 4 101-106 My-Je '63

ALEXANDER THE GREAT, 356-323 B.C.
Curtius, Rufus Quintus. [Story of Alexander the Great, the preserved books] Istoriia Aleksandra Makedonskogo, sokhranivshiesia knigi [Moskva] Izd-vo Mosk. univ., 1963 477 p [Parallel texts in Latin and Russian]

ALEXANDER THE GREAT (ROMANCES, ETC.)
An important and interesting publication / IU. Kapyshk. Vestsi AN BSSR. Ser. hramad. navuk no. 2 134-135 '63

ALFALFA
(see also subdivision under Alma-Ata, Soviet Central Asia)
New data on geographical distribution of the annual alfalfa Medicago coronata(L.) Desr. in the U S S R T N Ul'ianova Izv. AN Turk SSR Ser biol nauk no. 4 70-71 '63.

ALGAE
(see also subdivision under Soviet Central Asia)
Destruction of filamentous algae in water-cooling reservoirs. M. S. Malinin, B. A. Shimanskii. Fiziol. rast. 10 no. 6:831-832 Je '63
Development of soil algae in manure-soil composts. L. A. Shtina. Agrobiologiia no. 1 585-588 Jl-Ag '63.

ALGAE—CULTURES AND CULTURE MEDIA
(see also subdivision under Uzbekistan)
Cultivation of protococcaceous algae in installations under the open sky [with summary in English]. V. V. Pinevich, N. N. Verzilin. Vest. LGU 18 no. 15:75-97 '63.
Utilization of different sources of carbon by the algae of the genus Chlorella in darkness [with summary in English] I. A. Avilov. Vest. LGU 18 no. 15 62-68 '63.

ALGAE—RESEARCH see subdivision under Rumania

ALGAE, FOSSIL see subdivision under Kyzyl Kum

ALGEBRA—STUDY AND TEACHING
Some methodological problems in elementary algebra. N. G. Kilina, F. F. Nagibin Mat. v shkole no. 4:73-76 Jl-Ag '63.

ALGEBRA, UNIVERSAL
Free product of structures with a finite number of generators. M. M. Glukhov. Uch. zap. MGPI no. 188 55-69 '62.

ALGEBRAIC CURVES see Curves, Algebraic

ALGEBRAIC FIELDS see Fields, Algebraic

ALGEBRAIC FUNCTIONS see Functions, Algebraic

ALGEBRAIC GEOMETRY see Geometry, Algebraic

ALGEBRAIC TOPOLOGY
Imbedding condition in the case of a cyclic normal group of order 2n [with summary in English]. R. A. Shmidt, A. V. Iakovlev. Vest. LGU 18 no. 13:137-139 '63.
Open manifold mappings of finite multiplicity. A. V Chernavskii. Dokl. AN SSSR 151 no. 1 69-72 Jl '63.

ALGEBRAS, LINEAR
Vysotskaia, V. A., and others. [Programs on linear algebra] Programmy po lineinoi algebre. Moskva, Vychislitel'nyi tsentr AN SSSR, 1963. 50 p. (Akademiia nauk SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy dlia mashin "Ural," no. 6)

ALGERIA—ECONOMIC CONDITIONS
Algeria a year later. IU. Rubinskii. Ogonek 41 no. 30: 22-23 Jl '63.

ALGERIA—EDUCATION
Problems of public training and education in Algeria. S. A. Tanglan. Sov. pedag. 27 no. 7 109-121 Jl '63.

ALGERIA—POLITICS AND GOVERNMENT
Algeria a year later. IU. Rubinskii. Ogonek 11 no. 30, 22-23 Jl '63.

ALGORITHMS
Algorithm for solving the problem of convex Chebyshev approximation. S. I. Zukhovitskii, R. A. Poliak, M. E. Primak. Dokl. AN SSSR 151 no. 1:27-30 Jl '63.
Algorithmic problems in partially ordered groups. V. I. Frenkel'. Dokl. AN SSSR 152 no. 1:67-70 S '63.
Algorithmic solvability of certain mass problems in the theory of commutative semigroups. V. A. Trnelichev. Sib. mat. zhur. 4 no. 4:788-796 Jl-Ag '63.
A class of algorithms over finite sets. IU. I. Zhuravlev. Dokl. AN SSSR 151 no. 5:1025-1028 Ag '63.
Some equivalent transformations of algorithm schemes. R. N. Tonoian. Dokl. AN SSSR 151 no. 1:59-61 Jl '63

ALIMENTARY CANAL—DISEASES
Acute form of radiation sickness with the syndrome of predominant affection of the gastrointestinal tract, review of the literature. V. A. Rezontov, A. V Popov, P. S. Ponomarev. Voen.-med. zhur. no. 8:39 '62
Medical consultation. Fel'd. i akush. 28 no. 2:56-57 F '63.

ALIMENTARY CANAL—RADIOGRAPHY
Struchkov, V. I., and P. N Demidkin. [Radiographic changes in the gastrointestinal tract following an operation on the lungs] Rentgenologicheskie izmeneniia zheludochno-kishechnogo trakta posle operatsii na legkikh Moskva, Medgiz, 1963 107 p (DNLM)

ALIMENTARY CANAL—SURGERY
Motor function of a segment of the large intestine used for stomach replacement D. V Pomosov, S. B. Kuznetsov. Eksp. khir. i anest. no. 4 21-23 My-Je '63

ALIMZHANOV, ANUAR
To finish the journey one must keep on walking. IU. Fedoseevskii. Part. zhizn Kazakh. 33 no. 1:70-73 Ap '63.

ALKALI LANDS see subdivision under Uzbekistan

ALKALI METAL CHLORIDES
Quantitative determination of sodium and potassium chlorides in their mixtures by the extraction method. I. V. Kobzev, A. A Zan'ko. Uch. zhur. Kharkov. gos. un-ta no. 6 627-631 '63.

ALKALI METAL HALIDE CRYSTALS
Effect of plastic deformation, caused by high-frequency vibrations, on internal friction and Young's modulus in alkali metal halide crystals. E. P. Belozerova. Fiz. tver. tela 5 no. 7:2025-2027 Jl '63.
Rate of the additive coloring of all alkali halide crystals in the presence of admixtures. A. S. Shibanov. Zhur. fiz. khim. 37 no. 8:1866-1870 Ag '63.
Spin-resonance on F_2-centers in alkali halide crystals. IU. V. Chkhartishvili. Fiz. tver. tela 5 no. 8:2378-2380 Ag '63.

ALKALI METAL SILICATES
Thermographic study of some sodium and potassium metasilicates G. G Babaian, A. P Grinshtein. Izv. AN Arm SSR, Khim. nauki 16 no. 1:37-41 '63

ALKALI METALS see subdivision under Yenisey Ridge

ALKALIES
Passivity of copper in concentrated solutions of alkalis [with summary in English]. A. L. Rotinian, N. V. Il'inskaia. Zhur. fiz. khim. 37 no. 8:1699-1707 Ag '63.
Pilot plant development of a continuous method of lead softening in the presence of alkalies. M. P. Smitsaar and others. TSvet. met. 36 no. 8 43-48 Ag '63.
Stability of cements in caustic alkalies. T. A. Arakeliants Uzb. khim. zhur. 7 no. 3 22-27 '63

ALKALINE EARTH NITRATES
Equilibria in aqueous solutions of calcium, strontium, and barium nitrates. V. P. Vasil'ev and others. Izv. vys. ucheb. zav.; khim i khim. tekh. 6 no. 2 339-341 '63.

ALKALINE EARTH SILICATES
Energy of the complex crystal lattice of silicates R. G. Grebenshchikov, N. A Toropov Dokl. AN SSSR 151 no. 1 102-105 Jl '63.

ALKALOIDS
Antagonism between ervinin and some spasmolytics T. Sa-lykasymov, M. B. Sultanov Farm. alk no. 1 70-74 '62
Antimicrobic properties of alkaloids of the periwinkle Vinca erecta M. B. Sultanov, E. S. Sidykov Farm. alk no. 1 105-107 '62.
Antispasmodic action of the alkaloid talipoin. Kh. I Tashbaev, M. B Sultanov Farm. alk. no. 1 210-211 '62.
Pharmacological properties of the new alkaloid ervamin A. G Kurmukov, M. B Sultanov Farm. alk no. 1 74-80 '62
Pharmacology of the alkaloid talsin Kh. I. Tashbaev, M. B Sultanov. Farm. alk. no. 1 220-226 '62.
Pharmacology of the sum of alkaloids from the aboveground portion of Vinca erecta Rgl. et Schmalh. A. G Kurmukov, M. B Sultanov Farm. alk. no. 1 43-49 '62.
Precursors of alkaloids in the lupine. A. V. Mironenko, K. I. Zaben'kova. Vestsi AN BSSR, Ser. biial. nav. no. 1: 34-37 '63.
Study of alkaloids of Pedicularis olgae Rgl. Kh. Usmanov, P. Kh. IUldashev, S. IU. Yunusov Uzb. khim. zhur. 7 no. 3 33-36 '63
Testing the antitumorigenic activity of alkaloids [with summary in English]. B. IU. Aizenman and others. Mikrobiol. zhur. 25 no. 4,52-57 '63.

ALKALOIDS—PHYSIOLOGICAL EFFECT
Action of the alkaloid ervinin on respiration. T. Salykasymov, M. B. Sultanov. Farm. alk no. 1:50-52 '62
Action of the alkaloids vincanine and ervamin on the bioelectric activity of the cerebral cortex and heart of dogs of different ages. A. G. Kurmukov, M. B. Sultanov. Farm. alk no. 1:94-101 '62.
Effect of alkaloids of the morphine group on the evacuatory function of the stomach. M. B Sultanov. Farm. alk. no. 1 273-286 '62

ALKALOIDS -- PHYSIOLOGICAL EFFECT (Continued)
Effect of ervamin hydrotodide on the effects caused by acetylcholine and on the activity of cholinesterase in the blood. A.G Kurmukov, M.B.Sultanov, T.A Egorova Farm.alk no 1 87-93 '62.
Effect of ervamin hydriodide on the motor activity of the uterus A G Kurmukov Farm.alk no.1,81-86 '62.
Mechanism of the action of the alkaloid ervinin on respiration. T Sandkasymov, M.B.Sultanov Farm alk no 1 60-69 '62

ALKENES see Olefins

ALKYD RESINS
Dynamic characteristics of a reactor with organosilicon heat exchanger for the synthesis of alkyd resins E B. Manusov, L V Papunyrova Lakokras.mat i ikh prim no 3 65-67 '63.

ALKYLATION
Alkylation of phenols by bifunctional compounds. Report No. 9: Alkylation of m- and p-cresols by conjugated diene hydrocarbons in the presence of ethylsulfuric acid. L A. Viktorova, N I. Shutkin, E A. Karakhanov Izv. AN SSSR, Ser. khim no. 7:1201-1204 Jl '63.
New method of synthesizing macrocyclic compounds. Report No. 3: Intramolecular alkylation of 2-(ω-iodoalkyl)-5-(carbethoxyacetyl)thiopenes. IA. L. Gol'dfarb, S. Z. Taits, V. N. Bulgakova. Izv. AN SSSR. Ser. khim. no. 7:1299-1307 Jl '63.

ALL-UNION COMMUNIST PARTY (BOLSHEVIK) see Communist Party of the Soviet Union

ALLERGY
Allergic reactions of a retarded type [with summary in English]. A. D. Ado. Vrach. delo no. 6:11-16 Je '63.
Cytological picture of nasal secretion in the diagnosis of allergy in chronic hypertrophic rhinitis. M. R. Bogomil'skii. Vest otorin. no. 1 13-18 '63
Is the late vaccinal reaction following BCG vaccination an allergic response? (with summary in French). Pham Ngok Chakh. Probl tub. 41 no. 3:74-78 '63.
Vegetoneurotic (vasomotor) and allergic disorders of various parts of the upper respiratory tract B.S. Preobrazhenskii Vest otorin. no. 1:3-13 '63.

ALLERGY—CONGRESSES
Problems of clinical allergology at the Quedlinburg conference. T.B Tolpegina. Kaz med zhur no. 3 118-119 My-Je '63.

ALLOYS—ANALYSIS
New means for improving the reproducibility and the correctness of the spectral determination of the principal components of alloys. L. N. Filimonov. Zav. lab 29 no. 8:930-935 '63.

ALLOYS—ELECTRIC PROPERTIES
Electric and galvanomagnetic properties of diluted solid solutions. Part 2. E. G. Okonnikov. Trudy Inst. met. no. 15:75-78 '63.
Methods for studying emission properties of refractory metals, metal-like compounds and alloys. B. V. Bondarenko. Radiotekh. i elektron. 8 no. 9:1646-1648 S '63.

ALLOYS—GALVANOMAGNETIC PROPERTIES
Electric and galvanomagnetic properties of diluted solid solutions. Part 2. E. G. Okonnikov. Trudy Inst. met. no. 15:75-78 '63.

ALLOYS—HARDENING
Hardening alloys by plastic deformation in the temperature range of anomalous dependence of mechanical properties. V A Pavlov Fiz met i metalloved 16 no. 1 155-158 Jl '63

ALLOYS—METALLOGRAPHY
Developing a method of centrifugation for the study of metallographic problems. I. S. Malashenko. Izv. vys. uchob. zav., chern. met. 6 no. 7:169-171 '63.
Direct observation of the interaction of dislocations with particles of the second phase. M. P. Usikov, L. M. Utevskii. Zav. lab. 29 no. 8:944-948 '63.

ALLOYS—SPECTRA
Use of a rectified condensed spark for spectral analysis of alloys. IU. M. Buravlev and others. Zav. lab. 29 no. 8:1005-1006 '63.

ALLOYS—TESTING
Determination of the tensile strength of solid alloys. V. I Tumanov and others. Zav. lab. 29 no. 8:981-983 '63.
Study and classification of steels and alloys at the Central Research Institute of Ferrous Metallurgy. A. S. Kaplan. Standartizatsiia 27 no. 7:44-45 Jl '63.

ALLUVIAL PLAINS
Effectiveness of rapid grassing under the conditions prevailing in the flood plains of the Chernozem belt. E. E. Liubimova. Dokl. TSKHA no. 62:423-426 '61.

ALLYL ALCOHOL
Electrolytic reduction of unsaturated compounds on the platinized platinum cathode. Part 21. Electrolytic reduction of allyl alcohol [with summary in English]. M. E. Manzheliei, A. F. Sholin. Zhur. fiz. khim. 37 no. 8:1825-1831 Ag '63.

ALLYL COMPOUNDS
Nature of "β-effect" in allyl derivatives combined with Si, Ge, Sn. L. A. Leites. Izv. AN SSSR. Ser. khim. no. 8:1525-1526 Ag '63.
Polymerization of some allyl cyclanes and allyl cyclenes in the presence of $TiCl_4 + Al(iso\text{-}C_4H_9)_3$ A V Topchiev, E L Pantalova, L V Osipova. Neftekhimiia 3 no. 3 330-335 My-Je '63.

ALMA-ATA—AIRPLANES—MAINTENANCE AND REPAIR
Good initiative has no limits. Grazhd. av. 20 no. 7:8-10 Jl '63.

ALMA-ATA—PARASITES—FISHES
Control of ichthyophthiriasis on the Alma-Ata fish farm. R. S. Vaisburg. Trudy Inst. zool AN Kazakh SSR 19:249 '63.

ALMA-ATA—PROTOZOA, PATHOGENIC
Control of ichthyophthiriasis on the Alma-Ata fish farm R. S. Vaisburg. Trudy Inst. zool AN Kazakh SSR 19:249 '63.

ALMA-ATA—VACATIONS, EMPLOYEE
Based on work and merit. A. Iushin Part. zhizn' Kazakh 33 no. 8 18-21 Ag '63

ALMA-ATA PROVINCE—ALFALFA
Development of new vegetative shoots on the alfalfa seed plant and measures for increasing seed productivity. IU. D. Zykov. Agrobiologiia no. 4 565-570 Jl-Ag '63.

ALMA-ATA PROVINCE—ATHEISM—STUDY AND TEACHING
Atheistic propaganda is creative work V. Cherniak Part. zhizn' Kazakh. 33 no. 8 21-25 Ag '63

ALMA-ATA PROVINCE—AUDITING AND INSPECTION
The inspectors took over. V. Ponomarev. Part. zhizn' Kazakh. 33 no. 1:43-46 Ap '63.

ALMA-ATA PROVINCE—CALVES—FEEDING AND FEEDS
Needles of Schrenk spruce from Alma-Ata Province as a valuable supplementary vitamin feed for calves and chicks A. S. Sarsenov. Vest. sel'khoz. nauki [Kazakh 6 no. 5:56-62 My '63

ALMA-ATA PROVINCE—CORN (MAIZE)
Growing corn along with soybean in southeastern Kazakhstan. A. A. Lukashev, G M Chasovitina. Vest. sel'khoz. nauki [Kazakh.] 6 no. 5:13-21 My '63

ALMA-ATA PROVINCE—CORN (MAIZE)—IRRIGATION
Development of the root system and the yield of corn under irrigation [with summaries in English, German, and French]. V.M. Petrunin. Vest. sel'khoz. nauki 6 no. 4:34-39 Ap '63.

ALMA-ATA PROVINCE—POULTRY—FEEDING AND FEEDS
Needles of Schrenk spruce from Alma-Ata Province as a valuable supplementary vitamin feed for calves and chicks. A S. Sarsenov Vest. sel'khoz. nauki [Kazakh.] 6 no. 5:56-62 My '63.

ALMA-ATA PROVINCE—SEED PRODUCTION
Development of new vegetative shoots on the alfalfa seed plant and measures for increasing seed productivity. IU. D. Zykov. Agrobiologiia no. 4 565-570 Jl-Ag '63.

ALMA-ATA PROVINCE—SOYBEAN
Growing corn along with soybean in southeastern Kazakhstan. A. A. Lukashev, G. M. Chasovitina. Vest. sel'khoz. nauki [Kazakh.] 6 no. 5:13-21 My '63.

ALMA-ATA PROVINCE—TREMATODA
Developmental cycle of Brachylaemus aequans Looss, 1899 (Trematoda, Brachylaemidae). V IA. Panin, N I Sumenkova. Trudy Inst. zool. AN Kazakh SSR 19:83-88 '63.

ALMA-ATA REGION—MITES
Ecology of the gamasid mite Hirstionyssus meridianus Zemsk. (Parasitiformes, Gamasoidea). V. N Senotrusova. Trudy Inst. zool. AN Kazakh. SSR 19:191-197 '63

ALMA-ATA REGION—VEGETABLE GARDENING—COSTS
Cost of vegetable production on the suburban state farms of Alma-Ata. A. P. Bukharov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 5:3-8 My '63.

ALMALYK—COPPER INDUSTRY
Transfer to oxygen-blown smelting of the Almalyk Copper Smeltery and an increase in its capacity. V. I. Zubarev, V. I. Beregovskii, I. V. Figurkov. TSvet. met. 36 no. 8:8-9 Ag '63.

ALMANACS, UKRAINIAN
Bratstvo Sv. Velykomuchenyka IUriia Peremozhtsia Chicago. [Memorial book; published in commemoration of the act of blessing the banner of St. George's Fraternity, March, 5, 1963] Propam'iatna knyha; vydana z nahody posviazhennia prapora Bratstva 5-oho travnia 1963 roku. [Chicago] 1963. 48 p.

ALTAI—TRACTORS—PAINTING
Painting of tractor parts with preheated enamel paint, from practices of the Altai Tractor Plant. V. S. Golovatenko. Lakokras. mat. i ikh prim. no. 3:80 '63.

ALTAI MOUNTAINS—COAL GEOLOGY
Coal petrography of the Beloknamenskoye deposit (Rudnyy Altai) F A Statsenko Izv AN Kazakh SSR Ser geol nauk no 1 83-88 '63

ALTAI MOUNTAINS—GEOGRAPHY
"History of the study of the nature of the Gornyy Altai" by M F Rozen, Reviewed by S. G. Lepneva. Izv. Vses. geog. ob-va 95 no. 4 389 Jl-Ag '63.

ALTAI MOUNTAINS—MANGANESE
Manganese in igneous rocks in the Altai-Sayan fold area [with summary in English]. I. I Abramovich, E. B. Vysokoostrovskaia, E. F. Dorofeeva. Geokhimiia no. 7:647-651 Jl '63.

ALTAI MOUNTAINS—MOLLUSKS
Terrestrial mollusks of the southern Altai G. Uvalieva Trudy Inst. zool AN Kazakh SSR 19:152-160 '63

ALTAI MOUNTAINS—POLYZOA, FOSSIL
Some representatives of Bryozoa of the Upper Ordovician family Monticuliporidae from the Gornyy Altai. A. M. IAroshinskaia. Trudy SNIIGGIMS no. 23.143-153 '62.

ALTAI MOUNTAINS—TABULATA
New Ordovician genus of Tabulata in the Gornyy Altai. P. S. Dziubo. Trudy SNIIGGIMS no 23 154-157 '62.

ALTAI MOUNTAINS—TETRACORALLA
New genus of Ordovician tetracorals in the Gornyy Altai. S. K. Cherepnina. Trudy SNIIGGIMS no. 23:140-142 '62.

ALTAI MOUNTAINS—TRILOBITES
Some new finds of Cambrian trilobites in the Gornyy Altai. O. K. Poletaeva. Trudy SNIIGGIMS no. 23 162-169 '62.

ALTAI TERRITORY—BEANS
Forage beans as a valuable predecessor for grain crops in the Altai [with summaries in English, German, and French] N. I. Chekanova. Vest sel'khoz. nauki 6 no. 4:40-43 Ap '63.

ALTAI TERRITORY—FARM BUILDINGS—FIRES AND FIRE PREVENTION
Arch and frame cattle barns. K. Bekshtbaev. Pozh. delo 9 no. 8 14 Ag '63.

ALTAI TERRITORY—PUBLIC HEALTH
Assistance rendered by the Altai Medical Institute to public health agencies and institutions in 1962. F. M. Kolomiitsev, V. F. Kachaev. Zdrav. Ros. Feder. 7 no. 7:27-28 Jl '63.

ALTAI TERRITORY—STATE FARMS—FINANCE
Several problems of the efficiency of capital investments in state farm production. V. Rodionova. Nauch. dokl. vys shkoly; ekon. nauki 6 no. 5 56-64 '63.

ALTAI TERRITORY—WHEAT
Forage beans as a valuable predecessor for grain crops in the Altai [with summaries in English, German, and French]. N. I. Chekanova. Vest. sel'khoz. nauki 6 no. 4:40-43 Ap '63.

ALTIMETER
Topographic radio X-band altimeter. S. S. Khoroshavin, V. P. IAroslavtsev. Trudy TSNIIS no. 49:180-192 '63.

ALTITUDE, INFLUENCE OF
Basal metabolism in mountains at medium altitudes. S. M. Bedalova. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:105-108 Mr-Ap '63.

ALUMINATES
New opinions on the nature of aluminate solutions. S. I. Kuznetsov. TSvet. met. 36 no. 8 43-56 Ag '63.

ALUMINUM
(see also subdivision under Batum region)
Coprecipitation of aluminum with magnesium hydroxide (with summary in English). A I Korenman Zhur anal khim. 18 no 6 721-725 Je '63
Initiation of low temperature polymerization of vinyl chloride by triethylaluminum aided by the cocatalytic action of oxygen. G. A Razuvaev and others. Dokl. AN SSSR 151 no. 1:110-113 Jl '63.
Substructure and distribution of dislocations in single-crystal and polycrystalline aluminum. B. M Rovinskii, E P Kostiukova, V.G Liuttsau Kristallografiia 8 no. 4 657-662 Jl-Ag '63.

ALUMINUM—ANALYSIS
Determination of small amounts of aluminum in metallic silver by means of stilbazo [with summary in English] O. I. Kalinova, M. A Daniushchenkova Zhur. anal khim 18 no 6 780-781 Je '63
Nephelometric determination of aluminum in the form of cryolite IU L. Lel'chuk, B N Besprozvannykh. Izv TPI 111 59-61 '61

ALUMINUM—CLASSIFICATION see subdivision under Ural Mountains

716-453 O - 64 - 9

ALUMINUM—ELECTRIC PROPERTIES

Deviations from Kohler's rule in pure aluminum [with summary in English]. E. S. Borovik, V. G. Volo'skaia, N. IA. Fogel'. Zhur. eksp. i teor. fiz. 45 no. 2:46-48 Ag '63.

ALUMINUM—ELECTROMETALLURGY

Problems in the intensification of the electrolysis process for the production of aluminum. M. TS. Etkov. Prom. Arm. 6 no. 7:49-53 Jl '63.

Selection of additives for improving the composition of electrolytes for aluminum baths. S. V. Tatarin, A. I. Bellaev. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3:96-99 '63.

ALUMINUM—METALLURGY

Laboratory and pilot plant investigations on desiliconizing aluminate solutions at atmospheric pressure and with large amounts of white mud. A. I. Lainer, L. U. Koltieva. TSvet. met. 36 no. 8:57-62 Ag '63.

ALUMINUM—WELDING

Soldering of aluminum and its alloys. A. A. Matavin. Sudostroenie 29 no. 7:65-67 Jl '63.

ALUMINUM ALCOHOLATES

Reactions of aluminum alcoholates with esters of inorganic acids. K. A. Andrianov, A. S. Shapatin, V. V. Ponomarev. Izv. AN SSSR, Ser. khim. no. 9:1560-1562 S '63.

ALUMINUM ALLOYS

Obtaining thin films of aluminum and its alloys for studying in a light-transmitting electron microscope. V. B. Spitidonov. Zav. lab. 29 no. 8:972-973 '63.

ALUMINUM ALLOYS—FATIGUE

Fatigue characteristics of the AMg-61 aluminum alloy. IU. N. Shaviov. Sudostroenie 29 no. 7:48-50 Jl '63.

ALUMINUM ALLOYS—METALLOGRAPHY

Revealing flow lines in the deformation of highly resistant aluminum alloys. A. T. Zakharov. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3:137-143 '63.

ALUMINUM BROMIDE

Structure of the complex of mesitylene with aluminum bromide and hydrogen bromide. V. A. Koptiug and others. Izv. AN SSSR, Ser. khim. no. 9:1700 S '63.

ALUMINUM BRONZE—METALLURGY

Suzuki atmospheres in brass and aluminum bronze. V. E. Panin, E. F. Dudarev, M. A. Bol'shanina. Dokl. AN SSSR 152 no. 1:92-95 S '63.

ALUMINUM CHLORIDE

Titanium and aluminum electrode potentials in fused sodium chloride. V. S. Baikhin, V. A. Reznichenko. Titan i ego splavy no. 9:220-224 '63.

ALUMINUM-COPPER ALLOYS see Copper-aluminum alloys

ALUMINUM-GERMANIUM-INDIUM ALLOYS see Germanium-aluminum-indium alloys

ALUMINUM INDUSTRY—CONGRESSES

Conference of workers in the aluminum industry on the composition of electrolytes. A. I. Beliaev, A. A. Kostiukov. TSvet. met. 36 no. 8:89-91 Ag '63.

ALUMINUM-IRON ALLOYS see Iron-aluminum alloys

ALUMINUM-MAGNESIUM ALLOYS—BRITTLENESS

Investigating the effect of composition and temperature conditions on the hot shortness of shell cast aluminum-magnesium alloys. Ma TSzia-tszi [Ma Chia-chi], A. G. Spasskii. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3:125-127 '63.

AMALGAMS

Apparatus for measuring the exchange current and true rate of the anodic process on amalgam electrodes with the aid of radioisotopic tracers [with summary in English]. V. V. Losev, M. A. Dembrovskii, A. I. Molodov. Zhur. fiz. khim. 37 no. 8:1904-1907 Ag '63.

Interaction of elementary selenium, selenides, and selenites of certain metals with sodium amalgam [with summary in English]. N. A. Dragavtseva and others. Zhur. anal. khim. 18 no. 6:773-776 Je '63.

AMALGAMS—ELECTRIC PROPERTIES

Polarographic limiting current for zinc amalgams. G. N. Babkin. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:223-227 '63.

AMATEUR RADIO STATIONS

CQ SSB. Radio no. 8:24 Ag '63.

Perspective development of SSB. T. Tomson. Radio no. 8:19-20 Ag '63.

Short radio waves. Radio no. 8:17 Ag '63.

Ultrashort radio waves. Radio no. 8:18 Ag '63.

AMBLYOPIA

Photographic method of investigating and registering visual fixation in amblyopia. E. S. Avetisov, V. E. Kagan. Uch. zap. GNII glaz. bol. no. 8:244-247 '63.

AMERICAN PERIODICALS

Information or propaganda? V. Zaleskii. Ogonek 41 no. 26:17-18 Je '63.

AMIDES

Macromolecular compounds, derivatives of pyridine. Part 2: Thioamides and polythioamides based on some alkyl pyridines [with summary in English]. A. P. Terent'ev and others. Vysokom. soed. 5 no. 6:842-845 Je '63.

Spectropolarimetric study of certain amides and xanthates in connection with L. A. Chugaev's works. V. M. Potapov, V. M. Dem'ianovich. Vest. Mosk. un. Ser. 2 Khim. 18 no. 4:24-27 Jl-Ag '63.

Synthesis of amido esters of pyrophosphoric and thiopyrophosphoric acids. K. V. Nikonorov, Z. G. Speranskaia. Izv. AN SSSR, Ser. khim. no. 9:1697-1699 S '63.

AMINES

Cyclic polymerization and copolymerization. Part 13: Cyclic polymerization of N-substituted diallyl amines [with summary in English]. S. G. Matsoian and others. Vysokom. soed. 5 no. 6:854-860 Je '63.

Effect of thio derivatives of amines and phenols on the course of thermomechanical treatment and on fatigue of vulcanizates [with summary in English]. Z. N. Tarasova and others. Vysokom. soed. 5 no. 6:892-899 Je '63.

Kinetics of nitrosation of secondary aromatic amines. Part 2: Catalytic action of halide ions. M. A. Loshkarev, R. M. Jasiunas. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:236-242 '63.

Oxidation of mixtures of aromatic amines to methyl violet. M. N. Karpinskii, G. I. Khomfkova. Trudy LTITSBP no. 8:123-126 '61.

Polycondensation of 1, 2-diphenyldiborane with diamines. V. V. Korshak, V. A. Zamiatina, N. I. Bekasova. Izv. AN SSSR, Ser. khim. no. 9:1645-1651 S '63.

Reaction of aromatic diamines with diisocyanates. Part 3. Reaction of diamines with diisocyanates [with summary in English]. O. IA. Fedotova, A. G. Grozdov. Vysokom. soed. 5 no. 6:822-825 Je '63.

Reaction of γ-ethoxyacetals with aromatic amines. L. S. Povarov, B. M. Mikhailov. Izv. AN SSSR. Ser. khim. no. 7:1352 Jl '63.

diphenyldiborane with amines and organ... V. V. Korshak and others. Izv. AN no. 9:1645-1648 S '63.

...loride in aqueous solutions of ammonia ammoniate formation). R. S. Mkhian. Izv. AN Arm. SSR, Khim. nauki 63.

...nes in chronic renal hypertension ...nglish]. C. Heymans, A. F. De ...Taquini. Uch. zap. Inst. farm i ...R 3:200-205 '63.

...the future. A. N. Belozerskii. ...-2 My '63.

...ylthiohydantoins of amino acids, ...thers. Izv. AN SSSR, Ser. khim. ... '63.

...ensation reactions. Part 4: Solid ...sation of amino acids and diamine ...c acids [with summary in English]. ...olokhina, G. I. Kudriavtsev. Vyso... 875-880 Je '63.

...diac energetics in the coronaro... averine and euphyllin [with sum... E. Kisin. Uch. zap. Inst. farm. i ... 3:278-291 '63.

AMMETER

The M97 microammeter. S. G. Tavalan. Priborostroi... no. 7:28-29 Jl '63.

AMMONIA

Ammonia method of brass oxide coating. K. M. Lil... vich. Ukr. khim. zhur. 29 no. 6:636-642 '63.

Formation and reactions of free radicals produced by γ-radiation in solid ammonia and hydrazine. V. I. Tupikov, S. IA. Pshezhetskii. Zhur. fiz. khim. 37 no. 9:1900-1903 Ag '63.

Formation of hydrazine in the γ-irradiation of liquid ammonia and aqueous solutions of ammonia. Iu. A. Sorokin, V. I. TSivenko, S. IA. Pshezhetskii. Zhur. fiz. khim. 37 no. 8:1871-1875 Ag '63.

Increasing the sources of hydrogen supplied for ammonia synthesis. M. E. Sypko. Koks i khim. no. 8:57 '63.

Solubility of zinc chloride in aqueous solutions of ammonia at 35°C (region of ammoniate formation). R. S. Mkhitarian, L. O. Zatikian. Izv. AN Arm. SSR. Khim. nauki 16 no. 4:343-346 '63.

Vapor pressure over the system NH_4F, HF of various ammonia content. Iu. I. Ukhova, A. F. Alabyshev. Zhur. fiz. khim. 37 no. 8:1870-1871 Ag '63.

AMMONIA—DIPOLE MOMENTS

Calculating the thermodynamic properties of real gases at high temperatures. Equation of state for ammonia [with summary in English]. A. G. Tabachnikov. Inzh.-fiz. zhur. 6 no. 7:54-59 Jl '63.

AMMONIOIDEA see subdivision under West Siberian Plain

AMMONIUM COMPOUNDS

Diffusion of organic cations in anion exchangers. G. S. Libinson. Dokl. AN SSSR 151 no. 1:127-130 Jl '63.

Interaction of hydrogen chloride, tetra-n-butyl ammonium chloride with trimethylchloroaniline in benzene solutions. I. P. Gol'dshtein and others. Izv. AN SSSR, Ser. khim. no. 9:1683-1685 S '63.

AMMONIUM PERCHLORATE

Temperature curves in the combustion of ammonium perchlorate. V. K. Bobolev and others. Dokl. AN SSSR 151 no. 3:601-607 Jl '63.

AMMONIUM SULFATE

Recovery of pure ammonium sulfate in case of processing using Glover acid. G. N. Lebedeva and others. Koks i khim. no. 9:42-45 '63.

AMMONIUM SULFATE CRYSTALS

Electron diffraction examination of the structure of ammonium sulfate. V. V. Udalova, Z. G. Pinsker. Kristallografiia 8 no. 4:538-547 Jl-Ag '63.

AMNIOTIC FLUID

Characteristics of the biochemical composition and crystallization of the amniochorionic fluid. O. M. Chernyakyl. Ped., akush. i gin. 25 no. 2:46-48 '63.

AMORTIZATION

Planning and accounting for the amortization of capital assets of machinery manufacturing enterprises. O. P. Zagorodniuk. Nauch. zap. Tsnlik. fin.-ekon. inst. no. 14:53-59 '61.

AMPHIBOLES see subdivision under Kursk Magnetic Anomaly

AMPHIBOLITE—ANALYSIS

Mineralogical composition of rutile-bearing amphibolites and eclogites. M. G. Iunkov. Titan i ego splavy no. 9:16-24 '63.

AMPLIFIERS (ELECTRONICS)

Frequency-phase characteristics of a seismic amplifier with T-shaped filters of the higher and lower frequencies. M. K. Polshkov. Prikl. geofiz. no. 36:138-142 '63.

Frequency-phase distortions in a seismic amplifier with P-shaped filters of the higher and lower frequencies. M. K. Polshkov. Prikl. geofiz. no. 36:143-149 '63.

Measuring d-c amplifier. V. S. Verkhovisev and others. Prib. i tekh. eksp. 8 no. 3:80-82 My-Je '63.

Multichannel measurements of a fluctuation voltage. N. F. Vollerner and others. Radiotekhnika 18 no. 6:56-61 Je '63.

Saturation power of some types of amplifiers with nonlinear capacitance. IU. A. Kravtsov. Radiotekh. i elektron. 8 no. 9:1545-1551 S '63.

TSykin, G. S. [Electronic amplifiers] Elektronnye usiliteli. Izd. 2., dop. Moskva, Sviaz'izdat, 1963. 509 p.

UM-50 amplifier with increased power output. IU. Parkhomov. Radio no. 8:53-54 Ag '63.

Use of a photoelectrooptical amplifier for ballistic measurements. F. A. Charnaia. Prib. i tekh. eksp. 8 no. 3:186 My-Je '63.

AMPLIFIERS, ELECTRON-TUBE

Electron-optical converters for the reproduction apparatus of wide-screen television systems [with summary in English on p. 96]. L. N. Shvernik, D. D. Sudravskii. Tekh. kino i telev. 7 no. 8:21-28 Ag '63.

AMPLIFIERS, ELECTRON-TUBE (Continued)

Eliminating errors in plotting the frequency characteristics of preamplifiers. A. L. Levin. Tekh. kino i televid. 7 no. 8,70-72 Ag '63

Low frequency amplifiers. V. Rol'shov. Radio no. 6 27-31 Ag '63

Volshyvillo, G. V. [Electron-tube low frequency amplifiers] Uzilitelni nizkoi chastoty na elektronnykh lampakh. Izd. 2., dop. Moskva, Sviaz'izdat, 1963. 759 p.

AMPLIFIERS, TRANSISTOR see Transistor amplifiers

AMU DARYA DELTA—DUCKS

Some causes of the natural diminution of the number of young red-crested pochard in the Amu Darya Delta. D. IU. Kashkarov. Uzb. biol. zhur., 7 no. 3 54-56 '63.

AMU DARYA VALLEY—COLLECTIVE FARMS

Struggle for the victory of the collective farm system in the districts of the Amu Darya Valley in Turkmenistan. Ch. K. Atanliarov. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 3;3-19 '63.

AMU DARYA VALLEY—COTTON—IRRIGATION

Time for ending the irrigation of cotton in meadow soils of the middle Amu Darya Valley. L. P. Ageeva. Izv. AN Turk. SSR. Ser. biol. nauk no. 4,68-70 '63.

AMUR PROVINCE—RODENTIA

Large-scale mapping of the rodent population. E. M. Snigirevskaia. Dokl. AN SSSR 152 no. 1:208-211 S '63.

AMYL ALCOHOL

Determination of tertiary amyl alcohol in the pentane-amylene fraction from infrared spectra. V. A. Terent'ev, M. A. Shaburov. Zav. lab. 29 no. 8;940-941 '63.

ANABASINE

Catalytic carbonylation of anabasine. IA. IU. Aliev, I. B. Romanova, L. Kh. Freidlin. Uzb. khim. zhur. 7 no. 3 43-46 '63.

Pharmacology of some complex compounds of anabasine with cobalt salts. Kh. U. Aliev, I. K. Kamilov. Farm. i alk. no. 1:268-272 '62.

ANALEPTICS

Antagonism between haplophyllidine and analeptics. M. A. Magrupova, I. K. Kamilov, N. P. Poltevtsev. Farm. i alk. no. 1 169-173 '62.

ANALGESICS

Effect of the morphine group analgesics on central inhibitory processes [with summary in English]. N. A. Kruglov. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3;65-75 '63.

Effect of the morphine group analgesics on induced potentials of the afferent systems of the brain [with summary in English]. L. M. Shuttain. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3;52-64 '63.

Lomoran (Lomoranum). Nov. lek. sred. no. 2;126-130 '62.

Some analgesic properties of the alkaloid dubinidine. N. P. Poltevtsev. Farm. i alk. no. 1 136-144 '62.

ANALOG COMPUTERS

Volynskii, B. A. [Integral analog computers for solving boundary value problems] Analogovye integrovychislitel'i dlia reshenila kraevykh zadach. Moskva, Izd-vo Akad. nauk SSSR, 1963. 151 p.

ANALYTIC FUNCTIONS see Functions, Analytic

ANALYTICAL CHEMISTRY see Chemistry, Analytical

ANALYTICAL MECHANICS see Mechanics, Analytic

ANAPHYLAXIS

Case of anaphylactic shock during the administration of penicillin drops into the nose. P. D. Rabinovich. Sov. med. 27 no. 7 138-139 Jl '63.

Severe anaphylactic reaction caused by the prolonged use of penicillin and streptomycin. I. M. Kats, V. A. Zuemanovich. Vrach. delo no. 8,132-133 Ag '63.

ANATOMY, HUMAN—ATLASES

Sinel'nikov, R. D. [Atlas of human anatomy in three volumes] Atlas anatomii cheloveka v trekh tomakh. Izd. 2. peror. i dop. Moskva, Medgiz.
Vol. 3. [Study of the nervous system, sense organs and organs of internal secretion] Uchenie o nervnoi sisteme, organakh chuvstv i organakh vnutrennei sekretsii. 1963. 411 p.

ANATOMY, HUMAN—STUDY AND TEACHING

"Independent work of students in human anatomy and physiology lessons" by E. A. Sokolova. Reviewed by L. I. Prigoshanskaia. Biol. v shkole no. 4 91-92 Jl-Ag '63.

ANATOMY, PATHOLOGICAL

From the practice of conducting clinical pathoanatomical conferences. S. I. Bergman, I. M. Zodun. Vrach. delo no. 6;114-117 Je '63.

ANCHORAGE see subdivision under Germany, West

ANCIENT HISTORY see History, Ancient

ANDALUSITE

Interrelations of andalusite, cyanite, and sillimanite under the conditions of moderate temperatures and pressures [with summary in English]. N. I. Khitarov, V. A. Pugin, Chao Ping, A. B. Slutskii. Geokhimiia no. 3 219-226 Mr '63.

ANDIZHAN—MACHINERY INDUSTRY WORKERS

Working family. M. Arnautov. Uzbekistan 22 no. 8;13 Ag '63.

ANDIZHAN PROVINCE—COLLECTIVE FARMS—INTER-FARM COOPERATION

Intercollective farm production associations; based on materials from Andizhan Province. K. Usmanov. Nauch. trab. i soob. Otd. obshchestv. nauk AN Uz. SSR 5 75-87 '62.

ANDIZHAN PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Improve the guidance of industry. N. Belousov. Nar. khoz. Uzb. 5 no. 8 62-64 Ag '63.

ANDIZHAN PROVINCE—INDUSTRIAL MANAGEMENT

Improve the guidance of industry. N. Belousov. Nar. khoz. Uzb. 5 no. 8 62-64 Ag '63.

ANDREEV, ALEKSANDR DMITRIEVICH, 1915-

Who is to blame? V. Survillo. Nov. mir 38 no. 9:250-264 S '62.

ANEMIA

Clinical experimental observations on the use of pyridoxine in anemias [with summary in English]. G. M. Pokotilenko. Vrach. delo no. 8 23-26 Ag '63.

Differential diagnosis of Werlhof's disease and aplastic anemia in children. O. S. Svieshnikova. Ped., akush. i gin. 25 no. 2; 21-23 '63.

ANESTHESIA

Analgesic phase of anesthesia and its significance; clinical pharmacological study [with summary in English]. A. K. Sangailo. Uch. zap. Inst. farm. i khimiotet. AMN SSSR 3;86-97 '63.

Use of potentiated anesthesia in surgery during childhood. A. T. Morariu. Zdravookhranenie 6 no. 1;53-55 Ja-F '63.

ANESTHESIA IN OBSTETRICS

Comparative evaluation of apparatus for labor anesthesia produced by the All-Union Scientific Research Institute of Medical Instruments and Equipment and by the "Krasnogvardeets" plant. K. M. Fodermesser. Nov. med. tekh. no. 1,30-37 '61.

ANESTHESIOLOGY—CONGRESSES

Simpozium po anesteziologii, 1st, Moscow, 1960. Transactions of the 1 first Symposium on Anesthesiology] Trudy. Moskva, Akad. med. nauk SSSR, 1963. 327 p. (DNLM)

ANGARA VALLEY—DIAMONDS

Diamond potential of the Jurassic of the southern Angara-Vilyuy trough. L. N. Zveder. Dokl. AN SSSR 151 no. 1 158-160 Jl '63.

ANGINA PECTORIS

Result of surgical treatment in stenocardia. IA. A. Rakitin, D. V. Usov. Voen.-med. zhur. no. 9;73-74 '62.

Result of using aerosol therapy in hypertension and stenocardia. N. I. Speranskii and others. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2;130-135 Mr-Ap '63.

ANGIOCARDIOGRAPHY

Comparative evaluation of contrast substances for angiography [with summary in English]. L. S. Rozenshtraukh, M. L. Semenovskii. Vest. rent. i rad. 38 no. 2;9-13 Mr-Ap '63.

Diagnosis of patent ductus arteriosus with a reverse shunt by selective angiocardiography [with summary in English]. I. B. Dynnik, I. K. Okhotin. Vest. rent. i rad. 38 no. 2;14-16 Mr-Ap '63.

Use of the electron optical transformer and X-ray cinematography in diseases of the heart, and major and peripheral vessels; methodology and technique of examination [with summary in English]. B. V. Petrovskii, I. Kh. Rabkin. Vest. rent. i rad. 38 no. 2;3-9 Mr-Ap '63.

ANGIOGRAPHY

Arteriography during obliterating processes in the peripheral vessels [with summary in English]. L. I. Epshtein. Vest. rent. i rad. 38 no. 2;20-25 Mr-Ap '63.

ANGIONEUROTIC EDEMA

Hereditary angioneurotic edema with diencephalic crises. A. D. Drobinskii, G. I. Dolina. Vrach. delo no. 8;142-143 Ag '63.

ANGIOSPERMS see subdivision under Lithuania

ANGIOSPERMS, FOSSIL see subdivision under Kiin-Kerish, Mount

ANGREN—AUDITING AND INSPECTION

The people's eye is vigilant... IU. Ostriakov. Part. zhizn' [Uzb.] 6 no. 7 71-74 Jl '63.

ANGREN BASIN—COAL MINES AND MINING

Tashmukhamedov, T. R. [New way of working a thick, flat coal seam] Novyi sposob razrabotki moshchnogo pologopadaiushchego ugol'nogo plasta. Tashkent, Gosizdat UzSSR, 1963. 71 p.

ANGREN BASIN—FUSINITE

Process of fusinization. I. N. Semasheva, L. S. Sofiev. Dokl. AN SSSR 152 no. 1 194-197 S '63.

ANIKHOVKA—RESTAURANTS, LUNCHROOMS, ETC.

Let us have dinner in Anikhovka.... IU. Babikov. Sov. profsoiuzy 19 no. 11;27 Jl '63.

ANILINE

Measurement of the temperature dependence of the basicity constant of m-nitroaniline. IU. L. Khaldna. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2;233-235 '63.

ANIMAL INDUSTRY

Overall mechanization is the basis for increasing labor productivity and reducing production costs in cattle breeding. Inform. biul. VDNKH no. 7;33 Jl '62.

Ways of obtaining 75 centners dressed meat per 100 hectares of plowed fields and 16 centners per 100 hectares of other agricultural lands. Inform. biul. VDNKH no. 7-25-31 Jl '62.

ANIMAL INTRODUCTION see subdivision under Balkhash, Lake, Kazakhstan

ANIMALS, HABITS AND BEHAVIOR OF

Amusing animals. I. Sosnovskii. Doshk. vosp. 36 no. 6; 86-91 Je '63.

ANIMALS, LEGENDS AND STORIES OF

Dangerous passengers. I. Sosnovskii. Ogonek 41 no. 30; 30-31 Jl '63.

ANIONS

Effect of anion substitution on the acidity of magmatic melts [with summary in English]. I. D. Riabchikov, L. N. Kogarko. Geokhimiia no. 3;305-311 Mr '63.

Separating vanadium and uranium in fluorine-bearing solutions with the help of anionites. V. S. Pakholkov, A. IA. Korbut. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3,116-121 '63.

ANISOTROPY

Dependence of the nickel anisotropy constant on temperature and magnetization saturation. I. M. Puzei. Fiz. met. i metalloved. 16 no. 1 29-32 Jl '63.

ANNEALING OF METALS

Kinetics of the secondary stage of graphitizing cast iron with spheroidal graphite. A. A. Baranov, K. P. Bunin, E. D. Glebova. Izv. vys. ucheb. zav., chern. met. 6 no. 7 172-175 '63.

New developments in research. V. F. IUsupov, A. I. Belikov. Stal' 23 no. 7;671 Jl '63.

ANNIVERSARIES

Noteworthy dates. Nar. obr. no. 6;127 Je '63.

Noteworthy dates. Nar. obr. no. 8;127-128 Ag '63.

ANONYMS AND PSEUDONYMS

Let's talk about language. Semlia i shkola 16 no. 6;43 Je '63.

ANOPLURA see subdivision under Barankol'skiy District

ANTARCTIC REGIONS

Antarctica in the first volume of the "Concise geographic encyclopedia." V. G. Averianov. Probl. Arkt. i Antarkt. no. 13;134-136 '63.

ANTARCTIC REGIONS—ATMOSPHERIC PRESSURE

Study of the nature of long pressure waves in the Arctic and Antarctic. I. V. Maksimov. Probl. Arkt. i Antarkt. no. 13;5-12 '63.

ANTARCTIC REGIONS—MAPS

Project of an Atlas of Antarctica. IU. G. Kel'ner, E. I. Efimenko. Geod. i kart. no. 8;55-58 Ag '63.

ANTARCTIC REGIONS—METEORITES

Lazarev iron meteorite (Antarctic region). M. G. Ravich, B. I. Rovnov. Meteoritika no. 23;30-35 '63.

ANTARCTIC REGIONS—RUSSIAN EXPLORATION

Sovetskaia antarkticheskaia ekspeditsiia, 1955- Transactions of the Soviet Antarctic Expedition] Trudy. Leningrad, Izd-vo "Morskoi transport."
Vol. 26. [Fourth Continental Expedition, 1958-1959] Chetvertaia kontinental'naia ekspeditsiia 1958-1960 gg., obshchee opisanie i nauchnye rezul'taty. Pod red. A. G. Dralkina. 1963. 258 p.

ANTELOPES, FOSSIL see subdivision under Kazakhstan

ANTENNAS (ELECTRONICS)

Isolated frame antenna with spherical ferrite core in a conductive medium. P. P. Pavlov. Radiotekh. i elektron. 8 no. 9;1523-1529 S '63.

ANTENNAS (ELECTRONICS) (Continued)

Power supply network of a cophased array with unequal current amplitudes in the radiators. V. F. Chepura. Elektrosvyaz' 17 no. 7:73-77 Jl '63.

Shaping of multilobe radiation patterns using modulated delay structures. A. I. Gudzenko. Izv. vys. uchebn. zav., radiotekh. 6 no. 3:315-316 My-Je '63.

ANTHRACITE COAL

Analysis of the combustion of anthracite culm. A. P. Baskakov. Trudy Ural. politekh. inst. no. 108:5-12 '61.

ANTHRAQUINONES

Anthraquinone dyes of Tatar rhubarb (Rheum Tataricum L. Fil). K. V. Taraskina, T. K. Chumbalov. Izv. vys. uchebn. zav.; khim. i khim. tekh. 6 no. 2:305-309 '63.

Crystalline structure of 1,5-dioxoanthraquinone. L. A. Chetkina, G. A. Gol'der. Kristallografiia 8 no. 4:582-586 Jl-Ag '63.

ANTHRAX

Effect of ionizing radiation of cobalt on the components of precipitation reaction in anthrax. L. E. Naimushina. Trudy VNIIVS 14:68-69 '59.

Materials on the epidemiology and clinical aspects of rarely found forms of anthrax. A. IA. Zaporozhchenko. Vrach. delo no. 8:87 Ag '63.

Specificity of reactions in the examination of goatskins as to their anthrax infection. L. E. Naimushina, A. S. Borozdina. Trudy VNIIVS 14:83-88 '59.

ANTHROPOLOGY

"Acta Facultatis Rerum Naturalium Universitatis Comenianae," t. III, fasc. V-VIII, 1959, pp. 195-102. Anthropologia. Publicatio prima, t. IV, fasc. IX-X, 1960, pp. 181-620. *Anthropologia. Publicatio secunda*, t. V, fasc. III-VI, 1961, pp. 117-312. Anthropologia. Publicatio III, t. VI, fasc. I-V, 1961, pp. 1-266. Anthropologia. Publicatio IV. *Reviewed by* V. P. Alekseev. Vop. antr. no. 12:149-155 '62.

ANTHROPOLOGY—BIBLIOGRAPHY see Bibliography—Anthropology

ANTHROPOLOGY—CONGRESSES

Session of the Permanent Council of the International Congresses of Anthropological and Ethnological Sciences. T. A. Trofimova, V. P. IAkimov. Vop. antr. no. 12:140-142 '62.

ANTIAIRCRAFT ARTILLERY

Bubnov, G. P. [Automatization in antiaircraft defense] Avtomatizatsiia v PVO. Moskva, Voenizdat, 1963. 93 p.

ANTIBIOTICS

Development of the resistance of paratyphoid bacteria against antibiotics as related to the duration of the antibiotic treatment of animals. V. O. Fortushnyi, P. M. Shmidov. Visnyk sil'hosp nauky 6 no. 8:108-113 Ag '63.

Result of the treatment in acute dysentery with antibiotics in conjunction with intradermal vaccine therapy. V. IU. IAtsaev. Voen.-med. zhur. no. 8:77-79 '62.

Review of K. V. Bunin's book "Immunity and rational antibiotic immunotherapy in typhoid fever and dysentery." A. D. Ado, A. E. Roznik. Kaz. med. zhur. no. 3:111-112 My-Je '63.

Some interrelations between the structure and activity mechanism in the series of tetracycline antibiotics. V. K. Plakunov. Dokl. AN SSSR 151 no. 5:1207-1210 Ag '63.

Treatment of typhoid fever with antibiotics using a differentiated method. V. G. Dubovskii. Kaz. med. zhur. no. 3:43-45 My-Je '63.

ANTICOMMUNIST MOVEMENTS see subdivision under *Lithuania*

ANTIGENS AND ANTIBODIES

Antibodies to penicillin [with summary in English]. IU. P. Borodin. Sov. med. 27 no. 7:74-78 Jl '63.

Detection of antibodies to adenoviruses by the method of passive hemagglutination reaction [with summary in English]. N. S. Dinchenko. Vrach. delo no. 6:85-90 Je '63.

Immunological heterogeneity of individual organisms of a fungus population, its origin and role in the specialization of fungi. A. N. Mamontova. Agrobiologiia no. 4:607-614 Jl-Ag '63.

Role of autoallergens in the pathogenesis of various diseases in childhood. M. V. Nikolaeva. Kaz. med. zhur. no. 3:52-53 My-Je '63.

Specific antigenotherapy in cattle trichophytosis. A. I. Noskov. Trudy VNIIVS 14:86-88 '59.

Study of the complete antigen of pathogenic and nonpathogenic strains of Bacillus coli [with summary in English]. I. IA. Zakharova. Mikrobiol. zhur. 25 no. 4:22-26 '63.

Use of the method of adsorption on erythrocytes in the study of tumor viruses and specific tumor antigens. L. A. Liudogovskaia, L. V. Shershul'skaia. Vop. onk. 9 no. 2:118-126 '63.

ANTIGENS AND ANTIBODIES—ANALYSIS

Effect of ionizing radiation of cobalt on the components of precipitation reaction in anthrax. L. E. Naimushina. Trudy VNIIVS 14:68-69 '59.

Specificity of reactions in the examination of goatskins as to their anthrax infection. L. E. Naimushina, A. S. Borozdina. Trudy VNIIVS 14:83-88 '59.

Study of transplanted Harding-Passey melanoma in the precipitation reaction in gel [with summary in English]. I. S. Bashkaev, G. I. Rozenbaum. Vop. onk. 9 no. 2:83-87 '63.

ANTIHYPERTENSIVE AGENTS

Hypotensive action of the alkaloid vincamine. M. B. Sultanov, T. Sardkaymov. Farm. zh. no. 1:36-41 '62.

ANTIMONY

Role of antimony in debismuthizing lead. P. I. Fedorov, V. I. Shachnev. Izv. vys. uchebn. zav., tsvet. met. 6 no. 3:77-84 '63.

ANTIMONY—ANALYSIS

Determination of antimony with phenylfluorone in active lead masses. F. N. Rozenblium, Zh. IA. Pochtman. Zav. lab. 29 no. 8:928 '63.

ANTIMONY-CADMIUM ALLOYS see Cadmium-antimony alloys

ANTIMONY IN THE BODY

Metallic antimony in biological material. G. G. Shcherbakov. Sov. zdrav. Kir. no. 3:32-36 My-Je '63.

ANTIMONY ORES

N. M. Sinitsyn's works and geological characteristics of the distribution of mercury and antimony deposits. V. E. Polarkov, B. V. Polarkov. Sov. geol. 6 no. 8:141-148 Ag '63.

Types of ore indicators used in prospecting for hidden mercury-antimony deposits. V. P. Fedorchuk. Trudy IGEM no. 99:26-38 '63.

ANTIOXIDANTS

Mutual intensification of the effect of antioxidants (synergism). Part 3. Manifestation of synergism in mixtures of alkylated phenol sulfide with certain phosphorous acid esters [with summary in English]. P. I. Levin and others. Vysokom. soed. 5 no. 8:1152-1155 Ag '63.

Rules of the contest for the development of new efficient age resistors for polymeric materials. Lakokras. mat. i ikh prim. no. 3:1-2 '63.

7-Alkyl derivatives of quercetin and their antioxidizing effectiveness. G. I. Samokhvalov and others. Izv. AN SSSR, Ser. khim. no. 9:1617-1621 S '63.

Theory of oxidation inhibition [with summary in English]. G. I. Likhtenshtein, IA. G. Urman. Vysokom. soed. 5 no. 7:1016-1021 Jl '63.

ANTIPYRINE

Antipyrine dyes as analytical reagents. Report No. 2. Photometric methods for the determination of cadmium [with summary in English]. V. P. Zhivopistsev, M. N. Chelnokova. Zhur. anal. khim. 18 no. 6:717-720 Je '63.

ANTIQUITIES see Archaeology; also subdivision 'Antiquities' under Berdichev District; Donets Valley; Easter Island; Kizil-Tepe; Minusinsk District; Nile Valley; Nurek region; Pamirs, Tajikistan, Turkmenistan; Vakhsh Valley

ANTISPASMODICS

Antispasmodic action of the alkaloid talatzopin. Kh. I. Tashbaev, M. B. Sultanov. Farm. zh. no. 1:216-219 '62.

Treatment of diseases of the nervous system with methyldiazil [with summary in English]. E. F. Davidenkova, N. N. Kolesova, A. G. Nekhamkina. Vrach. delo no. 8:55-59 Ag '63.

ANUCHIN, NIKOLAI PAVLOVICH, 1903-

Thirty-five years of fruitful work. Les. khoz. 16 no. 6:84 Je '63.

ANUCHINO DISTRICT—PUBLIC PROSECUTORS

Let us lend a helping hand to the voluntary assistants of public prosecutors. L. Kovalenko. Sots. zakon. 40 no. 6:62 Je '63.

AORTA—SURGERY

New method of aortoplasty in coarctation. V. V. Satmari. Zdravookhranenie 6 no. 4:26-30 Ja-F '63.

AORTA—WOUNDS AND INJURIES

Rupture of the aorta. L. N. Shul'man. Vrach. delo no. 6:136-138 Je '63.

APARTMENT HOUSES

(see also subdivision under Erivan)

Assembling prefabricated units for large-panel apartment houses. N. S. Tumarinson, D. M. Ekimchev. Transp. stroi. 13 no. 6:41-43 Je '63.

Ataev, S. S., V. I. Pollakov, and A. I. Al'perovich. [Mechanizing the assembly of large-panel apartment houses] Mekhanizatsiia montazha zhilykh zdanii iz krupnykh sbornykh elementov. Minsk, Gosizdat *BSSR, 1963. 104 p.*

Kostin, A. I. [Take care of apartment houses] Berech' zhilof fond. [Moskva] Mosk. rabochii, 1963. 65 p.

APARTMENT HOUSES—DESIGN AND CONSTRUCTION

Ginisberg, A. S. [Model designs for apartment houses at industrial sites] Tipovoe proektirovanie zhilykh zdanii pri industrial'nom stroitel'stve. Leningrad, Gos. izd-vo po stroit. i arkhit. 1954. 193 p.

APARTMENT HOUSES—MAINTENANCE AND REPAIR

If you come to a "service bureau." I. Smirnova. Rabotnitsa 39 no. 8:11 Ag '63.

APATITE

Crystal structure of TR-Sr-apatite. S. V. Borisov, R. K. Klevtsova. Zhur. strukt. khim. 4 no. 4:629-631 Jl-Ag '63.

APPELLATE COURTS

(see also subdivision under Azerbaijan, White Russia)

Decision No. 1 of the plenary session of the Supreme Court of the U. S. S. R. of March 11, 1963 on "Invalidation and amendment of some decisions of the plenary session of the Supreme Court of the U. S. S. R. in civil and criminal cases." Biul. Verkh. Suda no. 3:19-23 '63.

Decision of the plenary session of the Supreme Court of the U. S. S. R. of June 28, 1963 on invalidation and amendment of some decisions of the previous plenary sessions of the Supreme Court of the U. S. S. R. in civil and criminal cases. Biul. Verkh. Suda no. 4:26-28 '63.

In the supreme courts of the Union Republics. Biul. Verkh. Suda no. 3:46-48 '63.

Information bulletin on the current plenary session of the Supreme Court of the U. S. S. R. Biul. Verkh. Suda no. 1,3-4 '63.

APPELLATE PROCEDURE

"Should we change the procedural rules of lodging a protest against executed judicial decisions and sentences?" Sots. zakon. 40 no. 6:81-83 Je '63.

APPENDICITIS

Dynamics of protein fractions, lipo- and glycoproteins in the blood serum in various forms of acute appendicitis. A. B. Ostroumov. Kaz. med. zhur. no. 3:45-47 My-Je '63.

APPENDICITIS—CASES, CLINICAL REPORTS, STATISTICS

Acute appendicitis in elderly and senile patients, according to material of a district hospital for a five year period. A. A. Mikhal'iants. Sov. med. 27 no. 7:81-84 Jl '63.

APPENDIX (ANATOMY)—CANCER

Primary cancer of the appendix. V. V. Zakrzhevskii. Vrach. delo no. 8:135 Je '63.

APPLE

Growth and developmental phases of aerial parts and the root system of apple as related to the dynamics of uptake and distribution of tagged phosphorus [with summary in English]. V. A. Kolesnikov, I. Palkevi. Izv. TSKhIA no. 3:133-147 '63.

Pruning apple trees for purposes of rejuvenation during the fruit-bearing period. N. A. Golikova. Dokl. TSKhIA no. 62:273-276 '61.

Results of the first study of foreign-bred clonal apple rootstocks in a nursery. B. A. Popov. Dokl. TSKhIA *no. 62:277-285 '61.*

APPLE—DISEASES AND PESTS

(see also subdivision under Moldavia, Volga Valley)

The apple moth Hyponomeuta malinellus. A. I. Petrov. Zashch. rast. ot vred. i bol. 8 no. 7:52-53 Jl '63.

Microscopic analysis of the roots of apple trees marked by destruction of shoots. V. G. Khrzhanovskii, N. P. Sokolova-Domanskaia. Dokl. TSKhIA no. 62:213-219 '61.

Simple method for controlling the apple-blossom weevil. Kh. S. Gurevich. Zashch. rast. ot vred. i bol. 8 no. 5:56 My '63.

APPLE—TESTING

Effect of spraying before harvesting on the shedding and keeping quality of Antonovka apples. G. N. Tellalnikova. Kons. i ov. prom. 18 no. 9:17-18 S '63.

APPLE—VARIETIES see subdivision under Tien Shan

APPLIED MECHANICS see Mechanics, Applied

APSHERON ARCHIPELAGO—OIL SANDS

Buniatovskii, L. A., and F. I. Samedov. [Geophysical methods of studying reservoirs of the Apsheron Archipelago] Geofizicheskie metody izucheniia kollektorov Apsheronskogo arkhipelaga. Baku, *Azerbaidzhanskogo gos. izd-vo, 1961. 126 p.*

APSHERON DISTRICT—AGRICULTURE

What hinders the development of a supply base near Baku. N. Kniazev, R. Ragimov, IA. Ginzburg. Ekon. sel'khoz. 34 no. 7:71-78 Jl '63.

APSHERON PENINSULA—GEOLOGY, STRATIGRAPHIC

Block map of the section of the Kirmaki series in the Surakhany and Karachukhur deposits. Ch. M. Sheidaev, F. IU. Alieva. Uch. zap. AGU. Ser. geol.-geog. nauk no. 5:109-113 '61.

APSHERON PENINSULA—GEOLOGY, STRUCTURAL

Lokbatan-Atashkya-Bibieybat tectonic block. V. A. Gorin, K. M. Sultanov, Z. G. Zeinalova. Uch. zap. AGU. Ser. geol.-geog. nauk no. 5:9-13 '61

APSHERON PENINSULA—OIL FIELD BRINES—ANALYSIS

Hydrochemical characteristics of waters in the Kala, Kirmaki, and Supra-Kirmaki sand series of the producing layer in the Neftyanyye Kamni deposit. A. Kuliev. Uch. zap. AGU, Ser. geol.-geog. nauk no. 5 115-121 '61.

APSHERON PENINSULA—PETROLEUM

Depth of the roots of petroleum necks and dikes in the Apsheron Peninsula. V. A. Gorin, Sh. F. Mekhtiev. Uch. zap. AGU Ser. geol.-geog. nauk no. 5:3-8 '61.

APSHERON PENINSULA—SECONDARY RECOVERY OF OIL

Method of forced production of drowned wells and layers. S. G. Movsesian. Neftepromdelo no. 3:9-13 '63.

AQUARIUMS

New mollusks from tropical bodies of water. M. D. Makhlin. Priroda 52 no. 8:116-117 Ag '63

AQUATIC WEED CONTROL

Destruction of filamentous alga in water-cooling reservoirs. M. S. Malinin, B. A. Shimanskii. Elek. sta. 34 no. 6 61-62 Je '63.

ARAB COUNTRIES—HISTORY

Akademiia nauk SSSR. Institut narodov Azii. [History of Arab countries] Arabskie strany, istoriia. Moskva, Izd-vo vostochnoi lit-ry, 1963. 211 p.

ARABIC INSCRIPTIONS see Inscriptions, Arabic

ARABIC STUDIES

Work of the Arabic Section at the 25th International Congress of Orientalists. T. A. Shumovskii. Mat. Vost. kom. Geog. ob-va SSSR no. 1:6-8 '62.

ARAL SEA—FISHERIES

Present state of and methods for increasing the fish stock in the Aral Sea. A. V. Voloshkin. Trudy Inst. ikht. i ryb. Fhor. AN Kazakh. SSR 4:69-74 '63.

ARAL SEA—HERRING

Characteristics of the spawning population of Baltic herring in the Aral Sea and the growth characteristics of its different colonies. N. D. Bykov. Trudy Inst. ikht. i ryb. khoz. AN Kazakh SSR 4:75-84 '63.

ARAL SEA REGION—RHUBARB

Tartarian rhubarb Rheum tataricum L. in the Aral Sea region. N. F. Kashkarova. Trudy Inst. bot. AN Kazakh SSR 15:119-162 '63.

ARAL SEA REGION—TANNING MATERIALS

Tartarian rhubarb Rheum tataricum L. in the Aral Sea region. N. F. Kashkarova. Trudy Inst. bot. AN Kazakh. SSR 15:119-162 '63.

ARARAT—BORING

New equipment and technological processes in blasthole drilling at the lime quarries of the Ararat Cement and Slate Works. G. Tumanov, L. Khazarian. Prom. Arm. 6 no. 7:33-36 Jl '63.

ARARAT REGION—TOMATOES—VARIETIES

A new tomato variety. B. S. Kamsarakan. Agrobiologiia no. 4:626-627 Jl-Ag '63.

ARBAN, NIKOLAI MIKHAILOVICH, 1912-

Ivanov, A. E. [N. Arban's drama] Dramaturgiia N. Arbana. Ioshkar-Ola, Mariiskoe knizhnoe izd-vo, 1963. 58 p. illus.
(MH)

ARBITRATION, INTERNATIONAL

Problems of peaceful coexistence. V. Menzhinskii. Mir. ekon. i mezhdunar. otn. no. 8:152-153 '63.

ARBITRATION AND AWARD

Decisions of arbitration agencies. Sots. zakon. 40 no. 7: 88 Jl '63.

Decisions of arbitration agencies. Sov. iust. no. 9:32 My '63.

Decisions of arbitration agencies. Sov. iust. no. 12:31 Je '63.

"Examination of conflicts and claims in state arbitration agencies" by R. F. Kallistratova, N. I. Avdeenko and others. Izv. vys. ucheb. zav.; prav. 7 no. 2:177-179 '63.

From the practice of arbitration agencies. Sov. iust. no. 14:32 Jl '63.

How the agencies of state arbitration establish the new legal rules which regulate the settlement of accounts. L. S. Malokotin. Izv. vys. ucheb. zav.; prav. 7 no. 2: 112-120 '63.

Marine arbitration in foreign countries. L. Egorov. Mor. flot 23 no. 5:36-37 My '63.

Some disputes do harm to the Soviet state. Sov. iust. no. 12:9-11 Je '63.

Statutes of the International Sea and River Arbitration Commission in Gdynia. Inform. sbor. TSNIIMF no. 50. Mor. pravo i prak. no. 11:31-41 '60.

When the disputes do harm to the Soviet state. A. Rapoport, N. Gizatullin, F. Kul'boriev. Sov. iust. no. 9-14-16 My '63.

ARBORETUMS see subdivision under Sochi

ARBUZOV REARRANGEMENT see Rearrangements (Chemistry)

ARCHAEOLOGY
(see also subdivision 'Antiquities' under Berdichev District; Donets Valley, Easter Island, Kizil-Tepe, Minusinsk District, Nile Valley, Nuuk region, Pamirs, Tajikistan, Turkmenistan, Vakhsh Valley)

Importance of archaeological data in the study of the history of native medicine. N. A. Bogoiavlenskii. Sov. zdrav. 22 no. 6:66-71 '63.

Uspenskii, L. V., and K. N. Shneider. [The riddles of history, studies on archaeology] Za sem'iu pechatiami, ocherki po arkheologii. Izd. 2., dop. [Moskva], Molodaia gvardiia, 1963. 295 p.

ARCHAEOLOGY—BIBLIOGRAPHY see Bibliography—Archaeology

ARCHAEOLOGY, UNDERWATER

Blavatskii, V. D., and G. A. Koshelenko. [Discovery of a sunken world] Otkrytie zatonuvshego mira. Moskva, Izd-vo Akad. nauk SSSR, 1963. 106 p. (Akademiia nauk SSSR. Nauchno-populiarnaia seriia)

ARCHANGEL PROVINCE—AERONAUTICS IN FORESTRY

Results of experimental airplane sowing in Archangel Province. F. B. Orlov, V. E. Kizenkov. Les. khoz. 16 no. 2:48-51 F '63

ARCHANGEL PROVINCE—FALLOWING

Effect of soil liming combined with the use of organic and mineral fertilizers on the improvement of long-fallowed lands in Archangel Province. L. I. Akishin. Trudy VIUA no. 36:140-150 '61.

ARCHANGEL PROVINCE—REFORESTATION

Results of experimental airplane sowing in Archangel Province. F. B. Orlov, V. E. Kizenkov. Les. khoz. 16 no. 2:48-51 F '63.

Role of the young spruce growth in the development of spruce-birch stands. N. P. Chuprov. Les. khoz. 16 no. 5 7-9 My '63.

ARCHES

Assembling prefabricated reinforced concrete arches with stiffening beam. A. P. Kurilov. Transp. stroi. 13 no. 7, 11-14 Jl '63

Coupled arches of double curvature. IU. V. Krotov. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 2:3-11 '63.

Free nonlinear vibrations of circular arches. A. I. Oseledets. Izv. vys. ucheb. zav., stroi. i arkhit. 6 no. 2:12-18 '63.

Krotov, IU. V. [Special case of lateral instability of twin arches] Osobyi sluchai bokovoi neustoichivosti sparennykh arok. Novokuznetsk, Sibirskii metallurg. in-t im. Sergo Ordzhonikidze, 1962. 11 p.
[MICROFILM]

Testing models of supports for temporary arches in assembly chambers of subway stations without side platforms. V. S. Kaplan, A. A. Samoilov, IU. A. TSibarov. Shor. trud. LIIZHT no. 192:279-290 '62.

ARCHITECTURAL ACOUSTICS

Effect of the acoustics on the quality of stereoscopic transmission. V. S. Man'kovskii. Tekh. kino i telev. 8 no. 4:19-25 Ap '62.

ARCHITECTURE
(see also subdivision under Abkhazia, Italy, Pskov; White Russia)

Akademiia khudozhestv SSSR. Nauchno-issledovat muzei. [Russian architecture from the 11th to the beginning of the 20th century. Catalog of the Department of the History of Russian Architecture] Russ arkhitektura XI-nachala XX vv.; katalog. Otdela russkoi arkhitektury. Moskva, Izd-vo Akad. khudozh. SSSR, 1962. 116 p. illus.

Akademiia nauk SSSR. Institut istorii iskusstv. [The history of Soviet architecture, 1917-1925] Iz istorii sovetskoi arkhitektury, 1917-1925 gg., dokumentalnyi. Moskva, Izd-vo Akad. nauk SSSR, 1963.

Problems of style and ideology in architecture. Kotliarevskii, V. Nil'sen. Komm. Uz. 35 no. 6:66-72 .

ARCHITECTURE—ABSTRACTS

[Journal of abstracts: Construction and architecture] Ref. zhur.: Stroi. i arkhit. 6 no. 5 '63.

ARCHITECTURE—COMPOSITION, PROPORTION see subdivision under Soviet Central Asia

ARCHITECTURE, MOHAMMEDAN see subdivision Tajikistan

ARCHITECTURE AND CLIMATE

Koren'kov, V. E. [Principles of the typology of dwellings according to natural conditions and climate] Osnovy rodno-klimaticheskoi tipologii zhilishch. Moskva, Stroiizdat, 1963. 88 p. fold. maps. diagrs.

ARCHIVES

Akademiia nauk SSSR. Arkhiv. [Personal archival collections in State depositories of the U. S. S. R.; an index] Lichnye arkhivnye fondy v gosudarstvennykh khranilishchakh SSSR, ukazatel'. Moskva,
Vol. 1. A—M 1962. 477 p.
Vol. 2. N—IA. 1963. 501 p.

A conference of the personnel of party archives in the central part of the R. S. F. S. R. I. V. Vasil'ev. Vop. ist. KPSS 7 no. 9 156-158 S '63

How materials should be prepared for deposition in the archives. Part. zhizn' no. 16:38-40 Ag '63.

ARCTIC REGIONS

Arctic in the first volume of the "Concise geographic encyclopedia." B. A. Kremer. Probl. Arkt. i Antarkt. no. 13 131-133 '63.

In advance of the airplane. V. Avgevich. Grazhd. av. 20 no. 8 22-23 Ag '63.

ARCTIC REGIONS—ACTINOMETRY—OBSERVATIONS

Distant actinometric observations. G. A. Khlopushin. Probl. Arkt. i Antarkt. no. 13, 101-103 '63.

ARCTIC REGIONS—ATMOSPHERIC PRESSURE

Study of the nature of long pressure waves in the Arctic and Antarctic. I. V. Maksimov. Probl. Arkt. i Antarkt. no. 13 5-12 '63.

ARCTIC REGIONS—BOTANY—ECOLOGY

Tikhomirov, B. A. [Essays on the biology of plants in the Arctic] Ocherki po biologii rastenii Arktiki. Moskva, Izd-vo Akad. nauk SSSR, 1963. 152 p.

ARCTIC REGIONS—FLORICULTURE

Kozupeeva, T. A. [Growing flowers indoors in the Far North] Komnatnoe tsvetovodstvo na Krainem Severe. Kirovsk, 1958. 70 p.
(ICMILC)

ARCTIC REGIONS—METEOROLOGY

Vertical extent of fronts in the central Arctic. L. A. Gabrilova. Probl. Arkt. i Antarkt. no. 13:27-33 '63.

ARCTIC REGIONS—RUSSIAN EXPLORATION

Nikolaeva, A. G., and V. I. Sarankin. [Stronger than ice; documentary narrative about the Arctic navigators, captains Mikhail Vasil'evich and Nikolai Mikhailovich Nikolaev] Sil'nee l'dov; dokumental'naia povest' o lednovykh kapitanakh Mikhaile Vasil'evich i Nikolae Mikhailoviche Nikolaevykh. Moskva, Izd-vo "Morskoi transport," 1963. 198 p.

ARCTIC REGIONS—SEAWATER—OPTICAL PROPERTIES

Radiation penetrating into the upper water layer of Arctic seas. N. T. Chernigovskii. Probl. Arkt. i Antarkt. no. 13:51-57 '63.

ARCTIC REGIONS—WORLD WAR, 1939-1945—AERIAL OPERATIONS

Sorokin, Z. A. [In the Arctic sky] V nebe Zapolar'ia. Moskva, Izd-vo DOSAAF, 1963. 159 p.

ARECOLINE

Effect of galanthamine hydroxymethylate on the action of arecoline and atropine. Sh. S. Umarova, I. K. Kamilov, N. P. Polievtsev. Farm. zhur. no. 1 101-103 '62

ARGON

Determination of the spectrum of the activation energy values of argon and helium separation from minerals. D. K. Gerling, I. M. Morozova. Geokhimiia no. 12:1108-1118 '62.

Discussion on the mechanics of the separation of radiogenic gases. A. P. Vinogradov. Geokhimiia no. 12: 1108 '62.

ARITHMETIC -- STUDY AND TEACHING (Continued)

Planning the topic "Practical division problems." N. G Utkina. Nach shkola 31 no.10 42-48 O '63.

Studying multiplication and division in the second grade. P M Erdniev. Rad. shk. 12 no.8 62-66 Ag '63.

"Teaching counting in a kindergarten." Reviewed by N Savonyk. Doshk vykh 24 no 9 43-44 S '63

Vlasenko, O.I. [Methodology of solving arithmetical problems] Metodyka rozv'iazyvannia aryfmetychnykh zadach, posibnyk dlia vchyteliv. Kyiv, "Radians'ka shkola," 1963. 182 p.

ARIZONITE--TESTING

An iron-titanium mineral from placer deposits. A V Rudneva, M. S. Model', V. I. Solov'ev. Titan i ego splavy no. 9:10-15 '63

ARMENIA--ALBITOPHYRES

Geology and petrography of Jurassic albitophyres in the Armenian S. S. R. E. G Malkhasian, IU. A Idie. Izv. AN Arm. SSR, Geol i geog nauki 16 no 2 15-26 '63.

ARMENIA--AUDITING AND INSPECTION

Uncovering potentials in the enterprises of Armenia. S. Oganesian. Bukhg. uchet 20 no. 8:40-43 Ag '03.

ARMENIA--CHEMICAL INDUSTRIES--TECHNOLOGICAL INNOVATIONS

Activists find production potentials. A. Aslanian. Sov. profsoiuzy 19 no. 14:19-21 Jl '63.

ARMENIA--ECONOMIC CONDITIONS

Classification of industrial enterprises of the Armenian Economic Council according to the fulfillment of the gross-output production plan for the first half of the year 1963. Prom. Arm. 6 no. 7 5 Jl '63

Fulfillment of the gross-output production plan and the development rate of the industry of the Armenian Economic Council according to branch administrations for the first half of the year 1963. Prom Arm. 6 no. 7:3 Jl '63

Fulfillment of the production plan for the most important kinds of industrial products by the enterprises of the Armenian Economic Council for the first half of the year 1963. Prom Arm 6 no. 7,3-4 Jl '63.

In the Economic Council of the Armenian S. S R. Prom. Arm. 6 no 7 74-75 Jl '63.

In the Party and State Control Committee of the Central Committee of the Communist Party of Armenia and the Armenian Council of Ministers. Prom Arm. 6 no. 7: 72-73 Jl '63.

ARMENIA--ELECTRIC CURRENTS--GROUNDING

Seminar on protective grounding of electric installations of industrial enterprises. Prom. Arm 6 no. 7 75-76 Jl '63

ARMENIA--ELECTRIC POWER DISTRIBUTION

For an efficient use of electric power. Prom. Arm 6 no. 7:63-65 Jl '63.

ARMENIA--FACTORIES--HEATING AND VENTILATION

Characteristics of heat supply to ore-dressing enterprises. A. Danilov. Prom. Arm 6 no 7 22-24 Jl '63.

ARMENIA--FIELD MICE

Seasonal changes in the reaction of some species of voles (Microtinae) of Armenia to the action of the environmental temperature [with summary in English]. S. B. Papanian. Zool. zhur. 42 no. 8:1245-1251 '63.

ARMENIA--FILLERS (IN PAPER, PAINT, ETC.)

Effectiveness of the export of light fillers from Armenia. M Ter-Oganian. Prom Arm. 6 no 7:14-19 Jl '63

Uncovering potentials in the enterprises of Armenia. S. Oganesian. Bukhg uchet 20 no 8 40-43 Ag '63.

ARMENIA--IRON ORES--ANALYSIS

Composition of iron ores from the Armenian S. S. R. E. Kh. Gullian. Razved i okh. nedr 29 no 7.12-16 Jl '63.

ARMENIA--LABOR AND LABORING CLASSES

Avetisian, V. A. [A page from the history of the labor movement in Armenia, 1896-1900] Stranitsa iz istorii rabochego dvizhenia v Armenii, 1896-1900. Erevan, Izd-vo AN Armianskoi SSR, 1961. 116 p. (In Armenian and Russian)

ARMENIA--LABOR PRODUCTIVITY

Fulfillment of the labor productivity plan in the industry of the Armenian Economic Council for the first half of the year 1963. Prom Arm. 6 no 7 5 Jl '63.

ARMENIA--LEAF MINERS--EXTERMINATION

The poplar leaf miner Lithocolletis populifoliella and its control. S. A. Mirzoian. Les. khoz. 16 no. 6 42-43 Je '63.

ARMENIA--MACHINERY INDUSTRY--MANAGEMENT

Problems in the organization of line production in Armenian machinery industry. I Vardanian. Prom. Arm 6 no. 7 26-28 Jl '63

ARMENIA--MINES AND MINERAL RESOURCES

Dadalan, G. A. [Mineral wealth of Armenia] Bogatstva nedr Armenii. Erevan, Aimgosizdat, 1963. 49 p.

ARMENIA--ORE DRESSING

Characteristics of heat supply to ore-dressing enterprises. A Danilov Prom Arm 6 no 7 22-24 Jl '63.

ARMENIA--PALEOGEOGRAPHY

Outline of the paleogeography of the Sevan-Shirak synclinorium. O. A. Sarkisian. Izv AN Arm SSR, Geol. i geog nauki 16 no 2:49-66 '63.

ARMENIA--POPLAR--DISEASES AND PESTS

The poplar leaf miner Lithocolletis populifoliella and its control. S. A. Mirzoian. Les. khoz. 16 no. 6:42-43 Je '63.

ARMENIA--RESEARCH, INDUSTRIAL

In the Republic's House of Technology Prom. Arm. 6 no. 7:75 Jl '63.

ARMENIA--ROCKS, IGNEOUS

Petrographic composition of basic and ultrabasic rocks of the Kyasaman massif in the Armenian S. S R. S. B. Aburian Izv. AN Arm SSR, Geol i geog. nauki 16 no 2: 7-14 '63

ARMENIA--SAVINGS BANKS

Our achievements in the effort for communist labor. V. Agasian. Den. i kred. 21 no. 8:45-46 Ag '63.

ARMENIA--SEPTORIA

Teterevnikova-Babaian, D. N. [Review of fungi of the genus Septoria, parasites of cultivated and wild plants in the Armenian S. S. R.] Obzor gribov iz roda Septoria parazitiruiushchikh na kul'turnykh i dikorastushchikh rastenitakh Armianskoi SSR. Erevan, Izd-vo Erevanskogo gos. univ., 1962. 157 p. (DNAL)

ARMENIA--SPORTS

Athletes move mountains. L. Vasil'ev. Ogonek 41 no. 30:26-27 Jl '63.

ARMENIA--TECHNICAL SOCIETIES

First congress of Armenian scientific and technological societies. D. Sobol'. Prom. Arm. 6 no. 7:65-66 Jl '63.

ARREST see subdivision under United States

ARSENIC see subdivision under Azov Sea region; Black Sea region

ARSENIC--ANALYSIS

Photocolorimetric determination of arsenic following its preliminary isolation. N. I. Babenko. Trudy Alt. GMNII AN Kazakh. SSR 14.129-130 '63.

ARSENIC SELENIDES--PHOTOELECTRIC PROPERTIES

Effect of copper and silver on the photoelectric properties of vitreous As_2Se_3. A. V. Danilov, M. F. Mosil. Fiz. tver. tela 5 no. 7 2015-2016 Jl '63.

ART

(see also subdivision under Kazakhstan)

Akademiia nauk SSSR, Institut istorii iskusstv. [History of Russian art] Istoriia russkogo iskusstva. Pod obshchei red. I. E. Grabaria, V. S. Kemenova i V. N Lazareva. Moskva,
Vol. 8, Book 1. 1963. 700 p.

Brief notes. Iskusstvo 26 no. 5:77-80 '63.

Kistiakova, I. V. [Soviet art of the postwar period] Sovetskoe iskusstvo poslevoennogo perioda. Moskva, Sovetskii khudozhnik, 1963. 116 p. (Biblioteka shkol'nika. Russkoe iskusstvo, nos. 11-12)

ART--BIBLIOGRAPHY see Bibliography--Art

ART--CATALOGS

[Chronicle of fine arts] Let. izobr. isk. no. 3 '63.

ART--CONGRESSES

For communist ideology and great mastery of Soviet art. E. Belashova. Iskusstvo 26 no. 5:7-19 '63.

Greeting the Second All-Union Congress of Soviet Artists. Iskusstvo 26 no. 5 4-1 '63.

Introductory words. S. V. Gerasimov. Iskusstvo 26 no. 5:6-7 '63.

To the Central Committee of the Communist Party of the Soviet Union. We shall dutifully uphold and develop the Leninist principles of party and national character in art! Iskusstvo 26 no. 5:5-6 '63.

ART--EXHIBITIONS see subdivision under Germany, East, Moscow

ART--PERIODICALS

Looking over foreign periodicals.... Iskusstvo 26 no. 5 74-77 '63.

ART AND LITERATURE

At contradictory positions. V. Zimenko. Iskusstvo 26 no. 5:70-73 '63.

ART CENTERS see subdivision under Saint

ART INDUSTRIES see subdivision under Estonia; Kazakhstan

ART OBJECTS

Voronikhina, A. N. [Malachite in the Hermitage collections] Malakhit v sobranii Ermitazha. Leningrad, Izd-vo Gos. Ermitazha, 1963. 93 p. illus. [With summary in French]

ARTEK--CAMPS

Tunkel', I. R., and V. E. Tiukkel'. [The sun, the sea, and us] Solntse, more i my. Avtor teksta i khudozh. al'boma I. Dolgopolov. [Moskva] Izd-vo TsK VLKSM "Molodaia gvardiia," 1963. 126 p. (chiefly illus.) [Text in 5 languages]

ARTERENOL see Noradrenaline

ARTERIES--DISEASES

Problems of the pathogenesis of polyneuritis caused by exposure to low temperatures and endarteritis [with summary in English]. A. R. Vinnitskii. Vrach. delo no. 6:17-23 Je '63.

ARTERIES--INNERVATION

Morphological changes in the nervous apparatus of the major arterial vessels in hypertension [with summary in English]. G. L. Derman, L. S. Goncharova. Vrach. delo no. 8:26-29 Ag '63.

ARTERIOSCLEROSIS

(see also subdivision under Kirghizistan)

Changes in the crystalline lens in experimental atherosclerosis [with summary in English]. E. O. Sakenova. Uch. zap. GNII glaz. bol. no. 8:49-54 '63.

Correlation between protein and lipoprotein fraction changes in hypertension and atherosclerosis and factors of hypertension and hypercholesteremia, problem of the unity of pathogenesis of hypertension and atherosclerosis [with summary in English]. G. V. Melik-Babakhanov. Kardiologiia 3 no. 3:58-62 My-Je '63.

Effect of ascorbic acid on the blood plasma tolerance to heparin in patients with vascular atherosclerosis [with summary in English]. M. V. Ignat'ev. Kardiologiia 3 no. 3:68-69 My-Je '63.

Effect of histamine on the development of experimental atherosclerosis [with summary in English]. L. V. Kasatkina. Kardiologiia 3 no. 3:45-50 My-Je '63.

Possibility of reproducing experimental atherosclerosis in rabbits by coconut oil administration [with summary in English]. T. A. Sinitsyna, T. N. Lovlagina. Kardiologiia 3 no. 3:50-53 My-Je '63.

ARTERIOSCLEROSIS (Continued)

Study of the excretion of catechol amines in atherosclerosis (with summary in English). L. I. Davydova. Vrach. delo no. 6:33-35 Je '63

Study of the lipolytic activity of the blood plasma in patients with atherosclerosis (with summary in English) M. V. Bavina, N. M. Lobova. Kardiologiia 3 no. 3:57-57 My-Je '63

ARTHRITIS

Functional state of the thyroid gland in infectious nonspecific polyarthritis (with summary in English). B. I. Kilinov, V. V. Orzheshkovskii. Vrach. delo no. 8,11-13 Ag '63.

ARTHRITIS, RHEUMATOID

Complication in the treatment of chronic nonspecific infectious polyarthritis with chymanol. V. IA. Grinshtein Sov. zdrav. Kir. no. 3:52 My-Je '63

Hydrogen sulfide baths in compound treatment of patients with infectious nonspecific polyarthritis. M. N. Syroechkovskaia. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:152-157 Mr-Ap '63.

Importance of focal infection in the gallbladder and the biliary ducts in patients with infectious nonspecific polyarthritis in fangotherapy. A. A. Fivelskaia. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:147-152 Mr-Ap '63.

Serous meningitis in infectious nonspecific polyarthritis. V. D. Troshin. Terap. arkh. 35 no. 1:99-100 Ja '63.

ARTIFICIAL FUR

Basic characteristics of artificial fur with a knit base. I. I. Shalov. Tekst. prom. 23 no. 8:62-67 Ag '63.

Selecting the fiber length in the manufacture of artificial fur. A. N. Gontarenko. Tekst. prom. 23 no. 8: 56-58 Ag '63.

ARTIFICIAL FUR—TESTING

Using the aerodynamic method for analyzing the pile characteristics of artificial fur. V. Milasius. Izv. vys. ucheb. zav., tekh. tekst. prom. no 2:30-34 '63.

ARTIFICIAL INSEMINATION

Effectiveness of artificial insemination in the improvement of dairy cattle [translated from the English]. H. W. Carter. Agrobiologiia no. 4:515-523 Jl-Ag '63.

ARTIFICIAL ISLANDS see subdivision under Caspian Sea

ARTIFICIAL MINERAL WATERS see Mineral waters, Artificial

ARTIFICIAL PNEUMOPERITONEUM see Pneumoperitoneum, Artificial

ARTIFICIAL SATELLITES

High-altitude distribution of charged particles in the ionosphere and the transition zone between the oxygen and helium ionic layers as revealed by ion trap tests taken in the "Kosmos-2" satellite. K. I. Gringauz and others. Dokl. AN SSSR 151 no. 3:560-563 Jl '63.

Rotational motion of a satellite in the vicinity of the orbital plane [with summary in English] M. S. Volkov. Biul. Inst. teor. astron. 9 no. 2 144-153 '63.

Series representing translational-rotational motion of a satellite in the gravitational field of a sphere [with summary in English]. M. S. Volkov. Biul. Inst. teor. astron. 9 no. 2,120-143 '63.

ARTIFICIAL SATELLITES—OPTICAL OBSERVATIONS

Conference of the Committee exploring the problem of optical observations of artificial satellites. N. P. Erpylev. Vest. AN SSSR 33 no. 9:75-76 S '63.

ARTIFICIAL SATELLITES—TRACKING

[Results of observations of Soviet artificial earth satellites] Rez. nabl. sov. isk. sput. Zem. nos. 59-60 '62.

ARTISTS, WOMEN see subdivision under Uzbekistan

ARYSTANDY VALLEY—POLLEN, FOSSIL

Palynological complex of the Mousterian site Karasu-1 from the Arystandy Valley (western Tien Shan). L. N. Chupina Mat. po ist. fauny i flory Kazakh. 4,243-267 '63.

ASBESTOS

(see also subdivision under Azerbaijan)

Overhauling of tracks with an asbestos and crushed stone section. D. A. Pechugin, L. D. Pechugina. Put' i put. khoz. 7 no. 6:21-24 '63.

Thermophysical properties of asbestos ballast. G. P. Brediuk, N. N. Afanas'eva, M. S. Sharlovskaia, Trudy NIIZHT no. 31,125-139 '62.

ASBESTOS CEMENT

Coefficients of homogeneity of asbestos cement. A. A. Kal'nitskii, I. S. Krol'. Trudy NIIAsbestcementa no. 14:63-70 '62.

Deformation and stability properties of asbestos cement subject to axial tension and lateral bending. IU. A. Argo. Trudy NIIAsbestcementa no. 14:71-79 '62.

High-temperature attachment to the URS-50I diffractometer for the study of the dehydration of asbestos cement and its component minerals. O. S. Volkov, L. S. Zevin, D. M. Kheiker. Trudy NIIAsbestcementa no. 11:84-90 '61.

Selection of cements for manufacturing high-quality asbestos-cement products. E. N. Kitaev. Trudy NIIAsbestcementa no. 14:89-102 '62.

Use of asbestos cement in the building of cooling towers of thermal electric power plants A. IA. Reznik. Trudy NIIAsbestcementa no. 14:80-88 '62

ASCARIDS AND ASCARIASIS

Bionycin (aureomycin) against swine ascaridosis V. I. Mutovin, A. I. Noskov. Trudy VNIIVS 14:65 '59

Disorders of tissue metabolism in the receptor field in ascarid intoxication I. A. Edel'shtein Vestsi AN BSSR, Ser. biial nav no. 1:87-91 '63

Most significant factors in the transmission of ascariasis and trichocephaliasis [with summary in English] I. Z. Khalaibuda. Vrach. delo no. 8:88-91 Ag '63.

ASCORBIC ACID—PHYSIOLOGICAL EFFECT

Effect of ascorbic acid on the blood plasma tolerance to heparin in patients with vascular atherosclerosis [with summary in English] M. V. Ignat'ev Kardiologiia 3 no. 3:68-69 My-Je '63

Effect of ascorbic acid on the functional state of the adrenal cortex in elderly persons [with summary in English]. B. L. Smolianskii. Terap. arkh. 35 no. 1:71-77 Ja '63.

ASCORBIC ACID—THERAPEUTIC USE

Prevention and treatment of radiation reactions and lesions of the rectum with galascorbin. V. P. Dudarenko. Vrach. delo no. 6:76-77 Je '63.

Preventive use of galascorbin in radiotherapy. V. P. Dudarenko. Vrach. delo no. 8:128-130 Ag '63.

ASHES (FERTILIZER)

Peat ash as a liming material. N. I. Allamovskii, V. A. Vorob'eva. Trudy VIUA no. 38:181-191 '61.

ASHKHABAD REGION—WEED CONTROL

Extermination of weeds by chemical substances. V. F. Gorbacheva. Izv. AN Turk. SSR, Ser. biol. nauk no. 4: 77-80 '63.

ASIA—HISTORIOGRAPHY

Akademiia nauk SSSR Institut narodov Azii. [Present-day historiography of the countries of the Orient] Sovremennaia istoriografiia stran zarubezhnogo Vostoka Moskva, Izd-vo vostochnoi lit-ry, 1963- (MiU)

ASIA—HISTORY

Leningrad. Universitet. [Recent history of the countries of Asia and Africa] Noveishaia istoriia stran zarubezhnoi Azii i Afriki. [Leningrad] Izd-vo Leningr. univ. 1963. 613 p. (CSt-H)

ASIA, CENTRAL—RELATIONS (GENERAL) WITH TURKESTAN

From the history of the economic and cultural relations between Turkestan and the adjacent countries of the East after the unification of Central Asia with Russia A. Abdugafarova. Nauch. rab. i soob. Otd. obshchestv. nauk AN Uz. SSR 5:237-246 '62.

ASIA, SOVIET CENTRAL see Soviet Central Asia

ASPEN see subdivision under Voronezh Province

ASPHALTITE see subdivision under Ural Mountains

ASSEMBLY-LINE METHODS

Automatic assembly of threaded joints. G. I. Romanov. Vest. mashinostr. 43 no. 8:55-57 [illegible]

Economic effectiveness of the use o method in the agricultural machin bekistan. M. Ibragimov. Nauch. i obshchestv. nauk AN Uz. SSR 5:38

Machine unit 317-E-9 for the prod bars. G. R. Kokashinskii. Khleb. no. 8:42-44 Ag '63.

Physical education period for asser E. Babaeva and others. Sots. trud Je '63.

ASSUAN DAM see Aswan Dam

ASTHMA

Clinical variants of exitus letalis i chial asthma [with summary in E skii. Vrach. delo no. 6:44-48 Je

Late results of the treatment with in bronchial asthma. N. A. Sivok no. 6:132 Je '63.

ASTIGMATISM

Correction of astigmatism in aphal English]. V. N. IAnchevskaia. U no. 8:181-185 '63.

ASTRAKHAN PROVINCE—FISHERI

Public participation in the departm V. M. Zhukov. Ryb. khoz. 39 no.

ASTRAKHAN PROVINCE—WINDBR BELTS, ETC.

Practices in growing shelterbelts i of the trans-Volga region. A. I. A 16 no. 6:27-32 Je '63.

ASTRONAUTICS

Appeal of the Central Committee of the CPSU, Presidium of the Supreme Soviet of the U. S. S. R., and the Government of the Soviet Union to the Communist Party and peoples of the Soviet Union, peoples and governments of all countries, and all progressive mankind. Part. zhizn' [Uzb.] 6 no 7 17-18 Jl '63.

Automatic control and space flight. A. A. Blagonravov Radio no. 8 6-7 Ag '63

Be ready to perform a daring feat! Valeriy Bykovskii Mol. komm. no 7 8-9 Jl '63.

Communists are building a road into space T. Mel'kumov. Mol. komm no. 9 6-11 S '62.

Dear children IU. Gagarin and others Nar. obr no. 6:71-73 Je '63

Great epoch in outer space Radio no 8 3 Ag '63.

Great unity. Valentina Tereshkova Mol. komm. no. 7:10-11 Jl '63.

Heroes' exploit is the exploit of the nation. Sov. profsoiuzy 19 no. 13:1 Jl '63.

Heroes of the universe are heroes of the world Nauka i rel. 4 no 7:4-8 Jl '63

Re-entry corridor from outer space. A. Shibanov. Tekh mol 31 no 9:3-4 '63

Salutation of the Central Committee of the CPSU Presidium of the Supreme Soviet of the U.S.S.R and the Council of Ministers of the U. S. S. R to scientists, constructors, engineers, technicians and workers, all collective groups and organizations, which participated in the realization of the extended joint flight of the astronauts on space ships "Vostok 5" and "Vostok 6", Soviet astronauts Comrade Valerii Fedorovich Bykovskii and Comrade Valentina Vladimirovna Tereshkova Part. zhizn' [Uzb.] 6 no 7 19-20 Jl '63.

Triumph of soviet science A. Grif Radio no 8 4-5 Ag '63.

We storm the sky Mol. komm no 9 3-5 S '62

ASTRONAUTS

Meeting their home town people. A. Golikov, A. Gostev. Ogonek 41 no. 31 30-31 Jl '63

Space week Nikolai Denisov. Ogonek 41 no. 26:12-15 Je '63.

Steps into outer space. Secretary of the party organization. Mol. komm. no. 7:12-15 Jl '63.

ASTRONAUTS—EDUCATION AND TRAINING

Before going into orbit. A. Golikov, I. Kas'ian. Ogonek 41 no. 26:26-27 Je '63.

ASTRONOMICAL INSTRUMENTS

Study of the KIM-3 instrument. B. F. Sinchenskul, V. N. Sinchenskul. Trudy Polt. grav. obser. 12 17-26 '63.

ASTRONOMICAL MODELS

Generalization of Friedman's models of the universe. K. P. Stanfukovich. Dokl. AN SSSR 151 no. 3 516-519 Jl '63.

ASTRONOMY

Bernard Lowell visiting Soviet astronomers. Vest. AN SSSR 33 no. 9 59-64 S '63.

ASTRONOMY—ABSTRACTS

[Astronomy] Ref. zhur.: Astron. no. 10 O '63.

ASTRONOMY—OBSERVATIONS

Astronomical observations on drifting ice and ways of increasing their precision. A. V. Bushuev. Probl. [illegible]

ARITHMETIC -- STUDY AND TEACHING (Continued)

Planning the topic "Practical division problems." N. G. Utkina. Nach shkola 31 no.10 42-49 O '63

Studying multiplication and division in the second grade. P. M. Erdniev. Nar. shk. 12 no. 8 62-66 Ag '63.

"Teaching counting in a kindergarten." Reviewed by N. Savonyk. Doshk. vykh. 24 no. 9 43-44 S '63

Vlasenko, O. I. [Methodology of solving arithmetical problems] Metodyka rozv'iazyvannia arytmetychnykh zadach, posibnyk dlia vchyteliv. Kyiv, "Radians'ka shkola," 1963. 182 p.

ARIZONITE—TESTING

An iron-titanium mineral from placer deposits. V. V. Rudnevi, M. S. Model', V. I. Solov'ev. Titan i ego splavy no. 9:10-15 '63

ARMENIA—ALBITOPHYRES

Geology and petrography of Jurassic albitophyres in the Armenian S. S. R. E. G. Malkhasian, Iu. A. Eliz. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 3:15-28 '63

ARMENIA—AUDITING AND INSPECTION

Uncovering potentials in the enterprises of Armenia. S. Oganesian. Bukhg. uchet 20 no. 8 40-43 Ag '63.

ARMENIA—CHEMICAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS

Activists find production potentials. A. Aslanian. Sov. profsoiuzy 19 no. 11:19-21 Jl '63.

ARMENIA—ECONOMIC CONDITIONS

Classification of industrial enterprises of the Armenian Economic Council according to the fulfillment of the gross-output production plan for the first half of the year 1963. Prom. Arm. 6 no. 7 5 Jl '63

Fulfillment of the gross-output production plan and the development rate of the industry of the Armenian Economic Council according to branch administrations for the first half of the year 1963. Prom. Arm. 6 no. 7 3 Jl '63

Fulfillment of the production plan for the most important kinds of industrial products by the enterprises of the Armenian Economic Council for the first half of the year 1963. Prom. Arm. 6 no. 7:3-4 Jl '63

In the Economic Council of the Armenian S. S. R. Prom. Arm. 6 no. 7:74-75 Jl '63

In the Party and State Control Committee of the Central Committee of the Communist Party of Armenia and the Armenian Council of Ministers. Prom. Arm. 6 no. 7 72-73 Jl '63.

ARMENIA—ELECTRIC CURRENTS—GROUNDING

Seminar on protective grounding of electric installations of industrial enterprises. Prom. Arm. 6 no. 7:75-76 Jl '63.

ARMENIA—ELECTRIC POWER DISTRIBUTION

For an efficient use of electric power. Prom. Arm. 6 no. 7, 63-65 Jl '63.

ARMENIA—FACTORIES—HEATING AND VENTILATION

Characteristics of heat supply to ore-dressing enterprises. A. Danilov. Prom. Arm. 6 no. 7 22-24 Jl '63

ARMENIA—FIELD MICE

Seasonal changes in the reaction of some species of voles (Microtinae) of Armenia to the action of the environmental temperature [with summary in English]. S. B. Papanian. Zool. zhur. 42 no. 8:1245-1251 '63.

ARMENIA—FILLERS (IN PAPER, PAINT, ETC.)

Effectiveness of the export of light fillers from Armenia. M. Ter-Oganian. Prom. Arm. 6 no. 7:14-19 Jl '63

ARMENIA—FUNGI, PHYTOPATHOGENIC

Teterevnikova-Babajan, D. N. [Review of fungi of the genus Septoria, parasites of cultivated and wild plants in the Armenian S. S. R.] Obzor gribov iz roda Septoria parazitiruiushchikh na kul'turnykh i dikorastushchikh rastenilakh Armianskoi SSR. Erevan, Izd-vo Erevanskogo gos. univ., 1962. 157 p. (DNAL)

ARMENIA—GEOMORPHOLOGY

History of the Armenian highland relief. K. K. Markov. Priroda 52 no. 8:119-121 Ag '63.

ARMENIA—GREENHOUSE MANAGEMENT

Using unheated greenhouses in enterprises. L. Enfiadzhian. Prom. Arm. 6 no. 7:24-25 Jl '63.

ARMENIA—HYDRAULIC ENGINEERING

Development of hydroenergetic and hydraulic research in the Armenian S. S. R. and the history of the Water-Power Institute and Water-Problem Institute. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 2/3:15-40 '63.

ARMENIA—INDUSTRIAL EQUIPMENT

That is very important. V. Sanamian. Prom. Arm. 6 no. 7:19-20 Jl '63.

ARMENIA—INDUSTRIAL MANAGEMENT

Eliminate the turnover of specialists. M. Fel'dman. Prom. Arm. 6 no. 7:20-21 Jl '63.

Uncovering potentials in the enterprises of Armenia. S. Oganesian. Bukhg. uchet 20 no. 8 40-43 Ag '63.

ARMENIA—IRON ORES—ANALYSIS

Composition of iron ores from the Armenian S. S. R. E. Kh. Gulian. Razved. i okh. nedr 29 no. 7 12-16 Jl '63

ARMENIA—LABOR AND LABORING CLASSES

Avetisian, V. A. [A page from the history of the labor movement in Armenia, 1896-1900] Stranitsa iz istorii rabochego dvizheniia v Armenii, 1896-1900. Erevan, Izd-vo AN Armianskoi SSR, 1961. 116 p. (In Armenian and Russian)

ARMENIA—LABOR PRODUCTIVITY

Fulfillment of the labor productivity plan in the industry of the Armenian Economic Council for the first half of the year 1963. Prom. Arm. 6 no. 7 5 Jl '63

ARMENIA—LEAF MINERS—EXTERMINATION

The poplar leaf miner Lithocolletis populifoliella and its control. S. A. Mirzoian. Les. khoz. 16 no. 6:42-43 Je '63

ARMENIA—MACHINERY INDUSTRY—MANAGEMENT

Problems in the organization of line production in Armenian machinery industry. L. Vardanian. Prom. Arm. 6 no. 7, 26-28 Jl '63

ARMENIA—MINES AND MINERAL RESOURCES

Dadalian, G. A. [Mineral wealth of Armenia] Bogatstva nedr Armenii. Erevan, Armgosizdat, 1963. 49 p.

ARMENIA—ORE DRESSING

Characteristics of heat supply to ore-dressing enterprises. A. Danilov. Prom. Arm. 6 no. 7 22-24 Jl '63.

ARMENIA—PALEOGEOGRAPHY

Outline of the paleogeography of the Sevan-Shirak synclinorium. O. A. Sarkisian. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 2, 49-66 '63

ARMENIA—POPLAR—DISEASES AND PESTS

The poplar leaf miner Lithocolletis populifoliella and its control. S. A. Mirzoian. Les. khoz. 16 no. 6:42-43 Je '63.

ARMENIA—RESEARCH, INDUSTRIAL

In the Republic's House of Technology. Prom. Arm. 6 no. 7:75 Jl '63.

ARMENIA—ROCKS, IGNEOUS

Petrographic composition of basic and ultrabasic rocks of the Kyasaman massif in the Armenian S. S. R. S. B. Abovian. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 2 7-14 '63

ARMENIA—SAVINGS BANKS

Our achievements in the effort for communist labor. V. Agasian. Den. i kred. 21 no. 8 45-46 Ag '63.

ARMENIA—SEPTORIA

Teterevnikova-Babajan, D. N. [Review of fungi of the genus Septoria, parasites of cultivated and wild plants in the Armenian S. S. R.] Obzor gribov iz roda Septoria parazitiruiushchikh na kul'turnykh i dikorastushchikh rastenilakh Armianskoi SSR. Erevan, Izd-vo Erevanskogo gos. univ., 1962. 157 p. (DNAL)

ARMENIA—SPORTS

Athletes move mountains. E. Vasil'ev. Ogonek 41 no. 30 26-27 Jl '63.

ARMENIA—TECHNICAL SOCIETIES

First congress of Armenian scientific and technological societies. D. Sobol'. Prom. Arm. 6 no. 7 65-66 Jl '63.

ARMENIA—TECHNOLOGICAL INNOVATIONS

Brief news. Prom. Arm. 6 no. 7:76 Jl '63.

ARMENIA—WATER—COMPOSITION

Content of mercury in some waters of the Armenian S. S. R. N. Kh. Aldinian. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 2:73-75 '63.

ARMIES see subdivision 'Army' under Bulgaria; Russia

ARMYWORMS—EXTERMINATION see subdivision under Kara-Kalpak A. S. S. R.

AROMATIC COMPOUNDS

Kinetic study of the nitration of some aromatic compounds in a nitrobenzene solution. Kh. A. Lel'chuk, B. V. Tronov. Izv. TPI 111 12-15 '61.

Nature of aromatic systems. F. E. Markin. Khim. v shkole 18 no. 3 15-24 My-Je '63.

Synthesis of aliphatic aromatic polymers with conjugated double bonds by Wittig reaction [with summary in English]. A. A. Vansheidt, M. G. Krakoviak. Vysokom. soed. 5 no. 6:805-810 Je '63.

AROMATIZATION

Dehydrocyclization of 2-amylnaphthalenes in the presence of alumina-chromia catalysts and platinized carbon. N. I. Shuikin, Lan Ai-si[Yang Ai-hsi], L. A. Erivanskaia. Izv. AN SSSR. Ser. khim. no. 7:1284-1289 Jl '63.

ARREST see subdivision under United States

ARSENIC see subdivision under Azov Sea region, Black Sea region

ARSENIC—ANALYSIS

Photocolorimetric determination of arsenic following its preliminary isolation. N. L. Babenko. Trudy Alt. GMNII AN Kazakh SSR 14:129-130 '63.

ARSENIC SELENIDES—PHOTOELECTRIC PROPERTIES

Effect of copper and silver on the photoelectric properties of vitreous As_2Se_3. A. V. Danilov, M. E. Mosli. Fiz. tver. tela 5 no. 7 2015-2016 Jl '63.

ART

(see also subdivision under Kazakhstan)

Akademiia nauk SSSR. Institut istorii iskusstv. [History of Russian art] Istoriia russkogo iskusstva. Pod obshchei red. I. E. Grabaria, V. S. Kemenova i V. N. Lazareva. Moskva.
Vol. 8. Book 1. 1963. 700 p.

Brief notes. Iskusstvo 26 no. 5, 77-80 '63.

Kisliakova, I. V. [Soviet art of the postwar period] Sovetskoe iskusstvo poslevoennogo perioda. Moskva, Sovetskii khudozhnik. 1963. 116 p. (Bibliotechka shkol'nika. Russkoe iskusstvo, nos. 11-12)

ART—BIBLIOGRAPHY see Bibliography—Art

ART—CATALOGS

[Chronicle of fine arts] Let. izobr. isk. no. 3 '63.

ART—CONGRESSES

For communist ideology and great mastery of Soviet art. E. Belashova. Iskusstvo 26 no. 5 7-19 '63.

Greeting the Second All-Union Congress of Soviet Artists. Iskusstvo 26 no. 5 3-4 '63.

Introductory words. S. V. Gerasimov. Iskusstvo 26 no. 5:6-7 '63.

To the Central Committee of the Communist Party of the Soviet Union: We shall dutifully uphold and develop the Leninist principles of party and national character in art] Iskusstvo 26 no. 5 5-6 '63.

ART—EXHIBITIONS see subdivision under Germany, East; Moscow

ART—PERIODICALS

Looking over foreign periodicals.... Iskusstvo 26 no. 5 74-77 '63.

ART AND LITERATURE

At contradictory positions. V. Zimenko. Iskusstvo 26 no. 5 70-73 '63.

ART CENTERS see subdivision under Sarai

ART INDUSTRIES see subdivision under Estonia; Kazakhstan

ART OBJECTS

Voronikhina, A. N. [Malachite in the Hermitage collections] Malakhit v sobranii Ermitazha. Leningrad, Izd-vo Gos. Ermitazha, 1963. 93 p. illus. [With summary in French]

ARTEK—CAMPS

Tunkel', I. R., and V. E. Tiukkel'. [The sun, the sea, and us] Solntse, more i my. Avtor teksta i khudozhnik al'bома I. Dolgopolov. [Moskva] Izd-vo TsK VLKSM "Molodaia gvardiia," 1963. 126 p. (chiefly illus.) [Text in 5 languages]

ARTERENOL see Noradrenaline

ARTERIES—DISEASES

Problems of the pathogenesis of polyneuritis caused by exposure to low temperatures and endarteritis [with summary in English]. A. R. Vinnitskii. Vrach. delo no. 8:17-23 Je '63.

ARTERIES—INNERVATION

Morphological changes in the nervous apparatus of the major arterial vessels in hypertension [with summary in English]. G. L. Dermun, L. S. Goncharova. Vrach. delo no. 8, 26-29 Ag '63.

ARTERIOSCLEROSIS

(see also subdivision under Kirghizistan)

Changes in the crystalline lens in experimental atherosclerosis [with summary in English]. E. O. Sakanovskaia. Uch. zap. GNII glaz. bol. no. 8:49-54 '63.

Correlation between protein and lipoprotein fractions changes in hypertension and atherosclerosis and facts of hypertension and hypercholesteremia, problem of the unity of pathogenesis of hypertension and atherosclerosis [with summary in English]. G. V. Molik-Babakhanov. Kardiologiia 3 no. 3 58-62 My-Je '63.

Effect of ascorbic acid on the blood plasma tolerance to heparin in patients with vascular atherosclerosis [with summary in English]. M. V. Ignat'ev. Kardiologiia 3 no. 3:68-69 My-Je '63.

Effect of histamine on the development of experimental atherosclerosis [with summary in English]. I. V. Kasatkina. Kardiologiia 3 no. 3, 45-50 My-Je '63.

Possibility of reproducing experimental atherosclerosis in rabbits by coconut oil administration [with summary in English]. T. A. Sinitsyna, T. N. Lovagina. Kardiologiia 3 no. 3:50-53 My-Je '63.

ıól Amines in atherosclero-
ı] . L. I. Davydova. Vrach.

the blood plasma in
[with summary in English]
Kardiologiia 3 no 3 53-

gland in infectious non-
summary in English]. B I
l. Vrach. delo no. 8 11-13

of chronic nonspecific in-
ryannol V IA Grinshtein
Je '63

pound treatment of pa-
cific polyarthritis. M.N.
izioter. i lech. fiz. kul't.

n the gallbladder and the
infectious nonspecific
. A. A. Fiveiskaia. Vop.
20 no.2:147-152 Mr-Ap

nonspecific polyarthri-
rkh. 35 no.1:99-100 Ja

icial fur with a knit base.
3 no.8:62-67 Ag '63.
ıe manufacture of artifi-
Tekst. prom. 23 no.8:

d for analyzing the pile
fur. V. Milastus. Izv.
prom. no.2.30-34 '63.

emination in the improve-
ted from the English].
no.4:516-523 Jl-Ag '63.

division under Caspian Sea

RS see Mineral waters,

NEUM see Pneumo-

harged particles in the
n zone between the oxygen
evealed by ion trap tests
ellite. K.I Gringauz and
no.3:500-503 Jl '63.

e in the vicinity of the or-
English] M.S Volkov.
o. 2 114-153 '63.

onal-rotational motion of a
field of a sphere [with sum-
kov. Biul. Inst. teor. astron.

PTICAL OBSERVATIONS
o exploring the problem of
ficial satellites. N.P.
no.9:75-76 S '63.

RACKING
oviet artificial earth sate-
sput. Zem. nos.59-60 '62.

/ision under Uzbekistan

LEN, FOSSIL
Mousterian site Karasu-1
western Tien Shan). L.N.
i flory Kazakh 4:243-257

Azerbaijan)
asbestos and crushed stone
. D. Pechugina. Put' i put.

of asbestos ballast. G.P.
M.S. Sharlovskaia. Trudy
2.

of asbestos cement. A.A.
ıdy NIIAsbestcementa

operties of asbestos cement
l lateral bonding. IU.A.
menta no.14:71-79 '62.
t to the URS-50I diffractom-
hydration of asbestos cement
. O.S. Volkov. L.S. Zevin.
sbestcementa no.11:84-90

Selection of cements for manufacturing high-quality asbestos-cement products. E.N Kitaev. Trudy NIIAsbestcementa no.14 89-102 '62.

Use of asbestos cement in the building of cooling towers of thermal electric power plants. A.IA Reznik. Trudy NIIAsbestcementa no.14 80-88 '62.

ASCARIDS AND ASCARIASIS

Biomycin (aureomycin) against swine ascaridosis. V.I. Mutovin. A.I. Noskov. Trudy VNIIVS 14:85 '59.

Disorders of tissue metabolism in the receptor field in ascarid intoxication. I.A. Edel'shtein Vestsi AN BSSR. Ser. biial nav. no 1 87-91 '63

Most significant factors in the transmission of ascariasis and trichocephaliasis [with summary in English]. I.Z. Khalabuda. Vrach. delo no.8.88-91 Ag '63.

ASCORBIC ACID—PHYSIOLOGICAL EFFECT

Effect of ascorbic acid on the blood plasma tolerance to heparin in patients with vascular atherosclerosis [with summary in English] M V Ignat'ev Kardiologiia 3 no.3 68-69 My-Je '63

Effect of ascorbic acid on the functional state of the adrenal cortex in elderly persons [with summary in English]. B.L. Smolianskii. Terap. arkh. 35 no.1 71-77 Ja '63.

ASCORBIC ACID—THERAPEUTIC USE

Prevention and treatment of radiation reactions and lesions of the rectum with galascorbin. V.P.Dudarenko. Vrach. delo no.8:76-77 Je '63.

Preventive use of galascorbin in radiotherapy. V.P. Dudarenko. Vrach. delo no.8:129-130 Ag '63.

ASHES (FERTILIZER)

Peat ash as a liming material. N.I.Allamovskii. V.A. Vorob'eva. Trudy VIUA no.38 161-191 '61.

ASHKHABAD REGION—WEED CONTROL

Extermination of weeds by chemical substances. V.F. Gorbacheva. Izv. AN Turk. SSR. Ser. biol. nauk no.4 77-80 '63.

ASIA—HISTORIOGRAPHY

Akademiia nauk SSSR. Institut narodov Azii. [Present-day historiography of the countries of the Orient] Sovremennaia istoriografiia stran zarubezhnogo Vostoka. Moskva. Izd-vo vostochnoi lit-ry. 1963-
(MiU)

ASIA—HISTORY

Leningrad. Universitet. [Recent history of the countries of Asia and Africa] Novelshaia istoriia stran zarubezhnoi Azii i Afriki. [Leningrad] Izd-vo Leningr. univ. 1963. 613 p.
(CSt-H)

ASIA, CENTRAL—RELATIONS (GENERAL) WITH TURKESTAN

From the history of the economic and cultural relations between Turkestan and the adjacent countries of the East after the unification of Central Asia with Russia A. Abdugafarova. Nauch. rab. i soob. Otd. obshchestv nauk AN Uz. SSR 5:237-246 '62.

ASIA, SOVIET CENTRAL see Soviet Central Asia

ASPEN see subdivision under Voronezh Province

ASPHALTITE see subdivision under Ural Mountains

ASSEMBLY-LINE METHODS

Automatic assembly of threaded joints. G.I. Romanov. Vest. mashinostr. 43 no.8:55-57 Ag '63.

Economic effectiveness of the use of the co method in the agricultural machinery ind bekistan. M. Ibragimov. Nauch. rab. i s obshchestv. nauk AN Uz. SSR 5:38-

Machine unit 317-E-9 for the pro bars. G.R. Kokashinskii. Khleb no.8:42-44 Ag '63.

Physical education period for asse E. Babaeva and others. Sots. truc Je '63.

ASSUAN DAM see Aswan Dam

ASTHMA

Clinical variants of exitus letalis chtal asthma [with summary in skii. Vrach. delo no.6:44-48 J

Late results of the tréatment with in bronchial asthma. N.A. Sivol no.6:132 Je '63.

ASTIGMATISM

Correction of astigmatism in aphi English]. V.N. IAnchevskaia. no.8:181-185 '63.

ASTRAKHAN PROVINCE—FISHER

Public participation in the departr V.M. Zhukov. Ryb. khoz. 39 n

ASTRAKHAN PROVINCE—WINDBI BELTS, ETC.

Practices in growing shelterbelts of the trans-Volga region. A.I. 16 no.6:27-32 Je '63.

ASTRONAUTICS

Appeal of the Central Committee of the CPSU. Presidium of the Supreme Soviet of the U.S.S.R., and the Government of the Soviet Union to the Communist Party and peoples of the Soviet Union, peoples and governments of all countries, and all progressive mankind. Part. zhizn' [Uzb.] 6 no 7 17-18 Jl '63.

Automatic control and space flight A.A. Blagonravov. Radio no.8:6-7 Ag '63.

Be ready to perform a daring feat! Valerii Bykovskii Mol. komm no.7:8-9 Jl '63

Communists are building a road into space. P. Mel'kumov. Mol. komm. no.9:6-11 S '62.

Dear children [U. Gagarin and others] Nar. obr. no.6:71-73 Je '63.

Great epoch in outer space Radio. no.8 3 Ag '63

Great unity. Valentina Tereshkova Mol. komm no.7:10-11 Jl '63.

Heroes' exploit is the exploit of the nation. Sov. profsoiuzy 19 no.13:1 Jl '63.

Heroes of the universe are heroes of the world Nauka i tekh. 4 no 7:4-8 Jl '63.

Re-entry corridor from outer space. A Shibanov. Tekh. mol. 31 no.9.3-1 '63.

Salutation of the Central Committee of the CPSU Presidium of the Supreme Soviet of the U.S.S.R. and the Council of Ministers of the U.S.S.R. to scientists, constructors engineers, technicians and workers, all collective groups and organizations, which participated in the realization of the extended joint flight of the astronauts on space ships "Vostok 5" and "Vostok 6" Soviet astronauts Comrade Valerii Fedorovich Bykovskii and Comrade Valentina Vladimirovna Tereshkova. Part zhizn' [Uzb.] 6 no 7 19-20 Jl '63

Triumph of soviet science. A. Grif. Radio no 8 1-5 Ag '63

We storm the sky. Mol komm. no.9 3-5 S '62

ASTRONAUTS

Meeting their home town people. A. Golikov. A. Gostev. Ogonek 41 no.31 30-31 Jl '63.

Space week. Nikolai Denisov. Ogonek 41 no.26:12-15 Je '63.

Steps into outer space. Secretary of the party organization. Mol. komm. no.7:12-15 Jl '63.

ASTRONAUTS—EDUCATION AND TRAINING

Before going into orbit. A Golikov. I Kas'ian. Ogonek 41 no.26:26-27 Je '63.

ASTRONOMICAL INSTRUMENTS

Study of the KIM-3 instrument. B.I. Sinchenkul. V.N. Sinchenkul. Trudy Polt. grav. obser. 12:17-26 '63.

ASTRONOMICAL MODELS

Generalization of Friedman's models of the universe. K.P. Staniukovich. Dokl. AN SSSR 151 no.3 541-543 Jl '63.

ASTRONOMY

Bernard Lowell visiting Soviet astronomers. Vest. AN SSSR 33 no.9:59-64 S '63.

ASTRONOMY—ABSTRACTS

[Astronomy] Ref. zhur.: Astron. no.10 O '63.

ASTRONOMY—OBSERVATIONS

Astronomical observations on drifting ice and ways of increasing their precision. A.V. Bushuev. Probl. Arkt. i Antarkt. no.13.97-100 '63.

ATHEISM—BIBLIOGRAPHY see Bibliography—Atheism

ATHEISM—STUDY AND TEACHING
(see also subdivision under Alma-Ata, Krasnodar Territory; Novosibirsk Province, Transcarpathia)

An important sector of ideological work. Nauka i rel. 4 no 7:3-9 Jl '63

Individual approach in the atheistic training of students. A. M. Netyl'ko Sov pedag 27 no 6 31-37 Je '63

Information and brief news. Nauka i rel. 4 no 7:78-79 Jl '63.

Libraries' tasks in promoting atheistic literature. V. V. Nelman, G. N. Belaventseva, G. P. Bogatova. Sov. bibl. no. 4:11-20 '63.

[Our experience in atheistic propaganda] Nash opyt ateisticheskoi raboty Moskva, Sovetskaia Rossiia, 1963. 125 p. (Bibliotechka v pomoshch' sel'skomu klubnomu rabotniku, no. 7)

Science based atheistic training in biology lessons N P Pankulina. Biol. v shkole no 4 8-10 Jl-Ag '63

Strong defender. IU. Siryley Nar. obr no. 6:111-112 Je '63.

Useful manual. V. V. Sov. bibl. no. 4:50-62 '63.

Using the emotional factor in the atheistic training of students. N N. Bykova Rad. shk. 42 no. 8 11-17 Ag '63.

ATHEISM—TEACHER TRAINING

Let's expand the scientific and atheistic work in pedagogical institutes. IU. G. Petrash. Sov. pedag. 27 no. 7 101-108 Jl '63.

ATHLETIC CLUBS see subdivision under Leningrad

ATLANTIC OCEAN—ATMOSPHERE

Atmospheric circulation in the northern Atlantic and microseisms in Pulkovo. A. D. Sytinskii, K. I. Chukanin. Izv. AN SSSR. Ser. geofiz. no. 8:1238-1239 Ag '63.

ATLANTIC OCEAN—FISHERIES

Experts at large catches I. I. Korolev, V. G. Barkov Ryb khoz, 39 no. 8 56-63 '63.

ATLANTIC OCEAN—SUBMARINE GEOLGOY

Structure of the "Gorringdzh" bank (Atlantic Ocean). P. N. Chirkov. Dokl. AN SSSR 151 no. 5 1159-1161 Ag '63.

ATLANTIC OCEAN—SUBMARINE TOPOGRAPHY

Leveling processes of the bottom of a deep ocean. A. V. Il'in. Dokl. AN SSSR 152 no. 1:179-182 S '63.

ATMOSPHERE
(see also subdivision under Atlantic Ocean)

Analysis of height fluctuations of the tropopause under the action of nonadiabatic factors of variations in the vertical temperature gradients. B. IA. Slobodov. Izv. AN SSSR. Ser. geofiz. no. 8:1289-1291 Ag '63.

Effect of humidity on the development of convective movements in a cloudless atmosphere. N I Vul'fson. Dokl. AN SSSR 151 no. 5 1089-1092 Ag '63.

Plane hydrogen cloud around the earth. P. V. Shcheglov Priroda 52 no. 8:85-88 Ag '63.

ATMOSPHERE—MEASUREMENT

Airborne apparatus for integrated measuring of meteorological and dynamic characteristics of the atmosphere including clouds. V. I. Skatskii, V. V. Shchelokov. Izv. AN SSSR. Ser. geofiz. no. 8:1270-1277 Ag '63.

ATMOSPHERIC PRESSURE see subdivision under Antarctic regions, Arctic regions

ATMOSPHERIC TEMPERATURE
(see also subdivision under Caucasus)

Evaporation and temperature conditions of the air in corn fields G. V. Belukhina. Trudy TSIP no. 131:30-41 '63.

Theory of the transformation of air masses above the sea. IU. B. Nikolaev. Probl. Arkt. i Antarkt. no. 13. 35-43 '63.

ATOMIC ENERGY—ECONOMIC ASPECTS

Use of atomic energy in the national economy. Inform. biul. VDNKH no. 5:6 My '62.

ATOMIC NUCLEI see Nuclei, Atomic

ATOMIC POWER INDUSTRY—EQUIPMENT AND SUPPLIES

Research work on chemically stable paint materials for use in the atomic power industry, literary review. I IA Klinov, V. K. Kniazev, N. P. Aleksakhin. Lakokras. mat i ikh prim. no 3 46-49 '63

ATOMIC SPECTRA

Fine structure of the angular dependence of the resonance curve width in yttrium garnet with terbium admixture. A. G. Gurevich, V. I. Solov'ev. Fiz. tver. tela 5 no. 7:2019-2021 Jl '63.

ATOMIC WEAPONS
(see also subdivision under France; Mediterranean Sea region)

The nuclear policy of NATO; contradictions and discords. M. L'vov. Mir. ekon. i mezhdunar. otn. no. 8 21-35 '63.

ATOMIC WEAPONS—INTERNATIONAL CONTROL
(see also subdivision under Mediterranean Sea region)

American business world and the treaty. IU. Ilin. Nov vrem. 21 no. 35 7-10 Ag '63

A bad microclimate correspondence from Bonn. A. Grigor'iants. Nov. vrem. 21 no. 31:9-10 Ag '63.

The Bonn peacebreakers. E. Grigor'eva. Nov. vrem. 21 no 30:14-15 S '63.

China and the atomic bomb. Sovremennik. Nov. vrem. 21 no 35 1-3 Ag '63.

The first but important step. V. Agarkov. Part. zhizn' no. 16 65-68 Ag '63.

Let's go further. Nov. vrem. 21 no. 31 2-3 Ag '63.

The Nuclear Test-Ban Treaty. Nov. vrem. 21 no. 31 35-38 Ag '63.

Peace, disarmament, and peaceful coexistence. Eugenie Cotton. Zhen. mira no 4,4 '63

Two in one phaeton, a feuilleton. D. Zaslavskii Nov vrem 21 no. 34 12 Ag '63

The work must be kept up Nov vrem 21 no. 34 2 Ag '63

ATOMIC WEAPONS—TESTING see subdivision under Tuamotu Islands

ATOMIC WEIGHTS

International atomic weights (relative atomic masses) for 1963 Lakokras mat. i ikh prim. no. 3 90-91 '63.

New atomic weights. Werner Schroeter. Khim v shkole 18 no 3 84-87 My-Je '63.

ATOMIC WEIGHTS—STUDY AND TEACHING

Introducing the new atomic weights in the teaching of chemistry Rolf Gutgesell Khim. v shkole 18 no 3 87 My-Je '63

ATROPINE

Effect of galanthamine hydroxymethylate on the action of arecoline and atropine Sh. S Umarova, I K kamilov, N. P. Polievtsev Farm alk. no 1 181-183 '62.

ATROPINE—PHYSIOLOGICAL EFFECT

Changes of ocular refraction after atropinization in flying school candidates. V. V. Smirnov, I. S Konobritskii Voen.-med. zhur no. 8:65-66 '62.

AUDIO-VISUAL EDUCATION
(see also subdivision under Yaroslavl Province)

Motion pictures help us. A. Babich. Nar. obr. no. 8:81 Ag '63.

Motion pictures in school. V. Pelevin. Nar. obr. no. 8 83 Ag '63.

Use of textbook illustrations in class. T. M. Dudarenko. Rad. shk. 42 no. 7:72-74 Jl '63.

AUDITING AND INSPECTION
(see also subdivision under Alma-Ata Province, Angren; Armenia, Biysk; Black Sea Economic region, Ivanovo Province; Karaganda Province; Kazakhstan, Leningrad, Molodechno; Saratov Province)

Bequeathed by Lenin. V. Timofeev. Part. zhizn' Kazakh. 33 no. 4:16-19 Ap '63.

[Groups to cooperate with the organs of the party-state control] Gruppy sodeistviia partgoskontroliu. Moskva, Gospolitizdat, 1963. 119 p.

Participation of volunteers helps K. Titov, S. Kozhukh. Fin SSSR 37 no. 8.81-83 Ag '63.

AUDITORIUMS see subdivision under Moscow

AUREOMYCIN

Biomycin (aureomycin) against swine ascaridosis. V. I. Mutovin, A. I. Noskov. Trudy VNIIVS 14.85 '59.

AURORAS

Auroras and the radiation of the night sky. V. I. Krasovskii. Vest. AN SSSR 33 no. 8.30-32 S '63.

AUSTENITE

Theory of the growth of bainite crystals in the intermediate transformation of austenite. L. N. Aleksandrov, B. IA. Liubov. Dokl. AN SSSR 151 no. 3 552-555 Jl '63.

AUSTRALIA—FASCISM

Brown rush in Australia; scanning the world press. Nov. vrem. 21 no. 35:31 Ag '63.

AUSTRALIA—MILITARY BASES, AMERICAN

Security? No, a threat! [with English summary in insert]. V. Lopatov. Az. i Afr. seg. no. 8:35 Ag '63.

AUSTRALIA—UNITIZED CARGO SYSTEMS

Direct container transportation in Australia. Biul. tekh.-ekon. inform. Tekh. upr Min. mor. flota 7 no. 11.74-75 '62

AUSTRIA—HISTORY

"Studies on the history of Austria, 1929-1938" by V. M. Turok. Reviewed by I. P. Shul'man. Vop. ist. 38 no. 8:136-138 Ag '63.

AUSTRIA—WOMEN AND PEACE

First anniversary of Helen Gunesch's death. Zhen. mira no. 4:30 '63.

AUTHORS—CORRESPONDENCE, REMINISCENCES, ETC.

"Lives, lives, and lives", letters written to beginning litterateurs Vl. Korolenko Vop lit 7 no 7 107-117 Jl '63

Safonov, V. A [Book of wanderings] Kniga stranstvii Moskva, Sovetskaia Rossiia, 1962. 390 p (MiU)

AUTOCLAVES

Experimental investigation of pressure in an autoclave used in the construction industry B A. Ponomarev Sbor. trud. LIIZHT no. 192:267-278 '62.

Kinetics of autoclave leaching of cobalt matte and considerations on the choice of a type of autoclave. G. N. Dobrokhotov, E. B. Maiorova. TSvet. met. 36 no. 8 31-37 Ag '63.

AUTOCLAVES—SAFETY APPLIANCES

Automatic signaling and blocking device for autoclaves with bayonet catches. V. N. Arvanitii. Bezop. truda v prom. 7 no. 7:32-33 Jl '63.

AUTOMATA

Cardinal numbers of sets of precomplete classes of certain functional systems related to automata. V. B Kudriavtsev. Dokl. AN SSSR 151 no. 3 193-196 Jl '63.

Finite automata and simulation of simple forms of behavior. M. L TSetlin. Usp. mat. nauk 18 no 4.3-28 Jl-Ag '63.

AUTOMATIC CONTROL

Absolute stability of nonlinear automatic control systems with tachometer feedback [with summary in English]. B. Zh. Maigarin. Avtom. i telem. 24 no. 9.1203-1212 S '63.

Active current measuring unit for electronic VIT control apparatus. E K. Rinkus Elek. sta 34 no 6 68-71 Je '63.

Analytical design of controllers [with summary in English]. N. S. Prikhin. Avtom. i telem. 24 no. 9:1181-1186 S '63.

Analytical instruments for the automation of production processes. Inform. biul. VDNKH no. 5:7 My '62.

Automatic control of combustion zones in blast furnaces. B. S. Flaikov, V. K. Gruzinov, B. N. Mikulinov. Stal' 23 no. 7:586-588 Jl '63.

Automatic control of industrial processes on hydraulic presses with respect to the function of time. M. G. Brandenburgskii, I. IA. Kotliarenko, V. M. Lovertov. Kuz.-shtam. proizv. 5 no. 5:22-27 My '63.

Automatic control of the blast furnace process on the basis of statistical characteristics. I. A. Rylov. Stal' 23 no. 7:588-593 Jl '63.

Automatic control of the operation of intermediate vessels in a dry ice plant. V. P. Irzhevskii and others. Khol. tekh 40 no. 3:47-48 My-Je '63.

Automatic control of the propulsion system on the diesel-electric motorship "Amguema." A. Neupokoev. Mor. flot 23 no 5:23-26 My '63.

Automatic light control in the television broadcasting of motion pictures [with summary in English on p. 90]. A. V. Vykhodets. Tekh. kino i telev. 7 no. 6:84-85 Je '63.

Automatic temperature control of reduction gear and engine bearings of the main drive of rolling mills IU. I. Baranov, N. L. Kostousov. Stal' 23 no. 7:610 Jl '63.

Automating the starting and stopping of suction dredges E P. Zharmitskii. Transp. stroi 13 no 7 32-36 Jl '63.

Automation of shaft grain dryers [with summaries in English, German, and French]. M. A. Berliner, V. K. Krausp. Vest. sel'khoz. nauki 8 no. 4:105-110 Ap '63.

Automation of the casting of lead seals. V. D. Romanenko, V. P. Kravets. Zhel. dor. transp. 45 no. 7:91 Jl '63.

Automation of the storeroom. L. S. Segal. Mashinostroitel' no. 7:9 Jl '63.

An automaton, asymptotically optimum in a random medium [with summary in English]. V. IU. Krylov. Avtom. i telem. 24 no. 9:1226-1228 S '63.

Bubnov, G. P. [Automatization in antiaircraft defense] Avtomatizatsiia v PVO. Moskva, Voenizdat, 1963. 93 p.

Calculation of a certain class of near optimum tracking systems. A. A. Vavilov, F. F. Kotchenko. Izv. vys. ucheb. zav.; elektromekh. 6 no. 8:961-972 '63.

Calculation of the efficiency of automatic control of the operation of mobile agricultural machinery. M. V. Mikhailov. Mekh. i elek. sots. sel'khoz. 21 no. 4:10-13 '63.

Conditions for automatically controlling the density of the overflow of classifiers in ore dressing plants of the Krivoy Rog Southern Mining and Ore Dressing Combine. A. S. Sergeev, A. K. Rundkvist. Sbor. nauch. trud. KGRI no. 7.294-298 '59.

Conference on automatic control and electric measurement techniques. G. A. Shiamberger. Elektrichestvo 7.92-94 Jl '63.

Controlled electric drives and contactless automation in the machinery industry. Inform. biul. VDNKH no. 5 13-14 My '62.

Correlation couplings in nonlinear circuits with fluctuating parameters. N. D. Kolpakov. Radiotekh. i elektron. 8 no. 9 1499-1505 S '63.

Dekhtiarenko, P. I. [Maximum voltage indicators] Indikatory nalbol'shego napriazhenila Kiev, Izd-vo Akad. nauk USSR, 1963. 53 p. (Spravochnaia seriia po novoi tekhnike)

Device "Oiromat-K" for the automation of motion-picture projection [with summary in English on p. 96]. V. B. Murkin. Tekh. kino i telev. 7 no. 6:77-80 Je '63.

Fidlian, M. B. [Use of electronic digital computers in the synthesis of guiding mechanisms] Primenenie elektronnykh tsifrovykh mashin dlia sinteza napravliaiushchikh mekhanizmov. Erevan, Aimgosizdat, 1963. 73 p.

Evaluating the error in the design of processes of simple two-position control. A. I. Cherepanov. Priborostroenie no. 9, 1-5 S '63.

Existence theorem for a terminal control problem [with summary in English]. L. S. Kirillova. Avtom. i telem. 24 no. 9 1178-1182 S '63

Experience in the automatic regualtion of the operations of rectification columns with continous action. A. M. Smirnov, E. S. TSekhanskii. Koks i khim. no. 6 10-12 '63.

Galkin, R. N., and I. E. Shmeling. [Automatic devices for beacons and buoys] Avtomaticheskie ustroistva v sudokhodnoi obstanovke. Moskva, Izd-vo "Rechnoi transport," 1963. 91 p.

Ignat'ev, M. B. [Holonomic automatic systems] Golonomnye avtomaticheskie sistemy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 203 p.

Improving the quality of transient responses in automatic control systems for several quantities. R. A. Polnektov. Trudy LPI no. 226:179-188 '63.

Investigating the system of automatic control of the rotation speed of engines by the frequency method. I. E. Vitukov. Trudy LTITsBP no. 8:160-181 '61.

Kazakevich, V. V. [Automatic control of technological operations] Avtomaticheskoe regulirovanie tekhnologicheskikh protsessov, uchebnoe posobie po kursu "Avtomaticheskoe upravlenie i regulirovanie tekhnologicheskikh protsessov v poligrafii." Moskva, Mosk. poligr. in-t, 1963. 66 p.

Kossovskii, G. N., M. P. Strizhevskii, and IU. I. Efimenko. [The Ukrainian Scientific Research Institut of Mechanical Woodworking Automatic Line no. 3, with programmed control of the setting of machines] Avtomaticheskaia linita Ukr NIIMOD-3,s programmnym upravleniem nastroikoi stankov Kiev, Gostekhizdat USSR, 1963 21 p.

Mal'kevich, A. V. [Programmed operation of electric furnaces for the testing of heat-resistant materials] Programmnaia rabota elektricheskikh pechei pri ispytanii zharoprochnykh materialov. Leningrad, 1963. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Elektricheskie metody obrabotki materialov, metallovedenie i termicheskaia obrabotka, no 4)

Measure of certainty and prediction accuracy in determining the characteristics of complex automated systems using statistical methods [with summary in English]. N. S. Raibman. Avtom. i telem. 24 no. 9.1236-1249 S '63.

Meerov, M. V., and V. G. Dianov. [Theory of automatic control and automatic controllers] Teoriia avtomaticheskogo regulirovaniia i avtoregulatory. Moskva, Gostoptekhizdat, 1963. 416 p.

A method for investigating controllers with viscous friction. G. I. Mel'nikov. Izv. vys. ucheb. zav., prib. 6 no. 3:107-114 '63.

Method for the analysis of automatic control systems by means of nomograms. B. S. IAkovlev. Izv. vys. ucheb. zav.; prib. 6 no. 3:36-44 '63.

Method of moments in the theory of optimum control of systems with distributed parameters [with summary in English]. A. G. Butkovskii. Avtom. i telem. 24 no. 9:1217-1225 S '63.

New means of automatic control and traffic control produced by the testing establishments of the Construction Bureau of Automatic Control in Nonferrous Metal Mines. G. A. Zubkov. Gor. zhur. no. 8 46-48 Ag '63

On the threshold of tomorrow. R. Bliumkin. Sov. shakht. 12 no. 6:23-26 Je '63.

One method for speeding up apperature correlation analysis [with summary in English]. G. A. Bait. Avtom. i telem. 24 no. 9 1229-1235 S '63.

Optimal control of a power source during the motion of a body of variable mass with gradual dumping of source sections. V. V. Tokarev. Prikl. mat. i mekh. 27 no. 4:629-640 Jl-Ag '63.

Optimal control of processes in distributed objects. A. I. Egorov. Prikl. mat. i mekh. 27 no. 4:688-696 Jl-Ag '63.

Photomultipliers in automatic amplification control circuits; review. L. V. Kaandomaliti Prib. i tekh. eksp. 8 no. 3:5-14 My-Je '63.

Problem concerning the synthesis of an optimum controller solved by dynamic programming methods [with summary in English]. G. E. Kolosov, R. L. Stratonovich. Avtom. i telem. 24 no. 9.1165-1173 S '63.

Programming of digital computers for handling information according to the least squares method [with summary in English]. L. N. Volgin. Avtom. i telem. 24 no. 9 1281-1288 S '63.

Rabinovich, A. N., and others. [Automatic checking in the manufacture of machines and instruments] Avtomatizatsiia kontrolia v mashinostroenii i priborostroenii. Moskva, Mashgiz, 1963. 122 p. (Nauchno-popularnaia biblioteka molodogo rabochego)

Rabinovich, A. N., V. S. Matveichuk, and O. B. Shtankov. [Automation of the feeding and discharging of metal-cutting equipment] Avtomatizatsiia zagruzki i razgruzki metallorezhushchego oborudovaniia. Moskva, Mashgiz, 1963. 115 p. (Nauchno-populiarnaia biblioteka molodogo rabochego)

Random disturbances of periodic conditions in relay systems. V. IA. Katkovnik, A. A. Pervozvanskii. Trudy LPI no. 226:170-178 '63

Reduction of the reactive jet action on the control element. IU. I. Ivitchev, E. A. Ismiev. Priborostroenie no. 7:6-9 Jl '63.

Savastcev, V. G. [Frequency method for analyzing the quality of control processes] Chastotnyi metod analiza kachestva protsessov regulirovaniia, lektsii po distsipline "Avtomaticheskoe regulirovanie" dlia studentov elektrofizicheskogo fakul'teta spetsial'nosti - Avtomaticheskie izmeritel'nye ustroistva i pribory, i dlia studentov energeticheskogo fakul'teta spetsial'nosti - Elektroobrudovanie promyshlennykh predpriiatii. Moskva, Gos. Izd-vo "Vysshaia shkola," 1962. 45 p.

Second-order delay component equivalent for a complex dynamic system. A. A. Kardashov, L. V. Karnushin. Elektrichestvo 7 70-73 Jl '63.

Signaling network for dispatcher control of continuous lines. V. M. Abramson, S. I. Shtitelman. Prom. energ. 18 no. 8:12-13 Ag '63.

Simulation of a system of optimum control of flying shears. IU. A. Bortsov, IU. S. Usynin. Izv. vys. ucheb. zav., elektromekh. 6 no. 6 662-670 '63.

Solution of a linear problem on optimum control [with summary in English]. V. F. Demianov, V. V. Khomeniuk. Avtom. i telem. 24 no. 9.1171-1177 S '63.

Some problems bearing on the reliability of stand-by systems [with summary in English] F. P. Maiatanovich Ukr. mat. zhur. 15 no. 2 145-157 '63

Some problems of optimum control. Part I [with summary in English]. B. G. Pittel'. Avtom. i telem. 24 no. 9.1187-1201 S '63.

Steady state in the discrete system of step-by-step optimalizing control taking into consideration the inertness of the controlled object in the presence of random disturbances. E. P. Gil'bo, A. A. Pervozvanskii. Trudy LPI no. 226:147-156 '63.

Structural independence of single-stage control systems [with summary in English] E. S. Platnitskii. Avtom. i telem. 24 no. 9:1213-1216 S '63.

Sufficient conditions for dynamic stability of the control of a hydraulic turbine-generator unit. N. K. Ioannisian. Izv. AN Arm. SSR, Ser. tekh. nauk 16 no. 2/3:109-116 '63.

Sufficient conditions for variational problems in the optimization of automatic control processes. V. A. Troitskii. Trudy LPI no. 226:44-61 '63.

Synthesis of the corrective devices of reversive automatic control systems. V. G. Savastcev. Izv. vys. ucheb. zav., elektromekh. 6 no. 6.730-742 '63.

Transducer of the derived frequency of an electrohydraulic controller of a hydraulic turbine. V. L. Benin, L. I. Abramova. Izv. vys. ucheb. zav.; elektromekh. 6 no. 5:592-596 '63.

Unseen hand. V. Bobrov. Sov. shakht. 12 no. 6:20 Je '63.

Use of a polynomial equations metho[illegible] characteristics of an object in se R. S. Rutman. Avtom. i telem. 7 '63.

Using the information theory in [illegible] the criteria for the operating control systems of mining equ Izv. vys. ucheb. zav.; gor. zhur.

Vasil'ev, V. I. [Differential optim systems] Differentsial'nye sist regulirovaniia. Kiev, Izd-vo Ak SSR, 1963. 70 p. (Spravochnu tekhnike)

Wiener-Hopf's equation of the fir Dokl. AN SSSR 151 no. 3:469-4

AUTOMATIC CONTROL—ABSTR

[Automatic control, remote cont nology] Ref. zhur.: Avtom., tel S '63.

AUTOMATIC CONTROL—BIBLIO raphy—Automatic control

AUTOMATIC CONTROL—DICTIO

Akademiia nauk SSSR. Institut av [Russian-English-German-Fre on automatic control] Russko-e skii slovar' terminov po avtom Pod red. A. V. Khramogo. Mos SSSR, 1963. 229 p.

AUTOMATIC MACHINERY see Machinery, Automatic

AUTOMATION

Analysis of the state of production mechanization. P. Zaglubotskii. Bukhg. uchet 29 no. 8:28-33 Ag '63.

Automatic switching of mercury-arc rectifier units of a traction substation dependent on the load. B. N. Grin'kov. Trudy TSNII MPS no. 261 103-117 '63

Automation of calculations and weighing of animals. S. I. Petruchenia, A. I. Starshov, IE. M. Antonov. Visnyk sil'hosp nauky 6 no. 8:26-30 Ag '63.

Automation of coke sorting and distribution. G. Kh. Litvinenko, A. D. Suslikov, F. A. Garan'. Koks i khim. no. 6 27-31 '63.

Automation of proportioning by weight and estimating the expenditure of ingredients at mixed feed plants. G. Bardyshev. Muk.-elev. prom. 29 no. 3:30-32 Mr '63

Automation of slurry pumping machinery. I. I. Levchenko. Koks i khim. no. 8:19-22 '63.

Automation of the apparatus for washing fractions in the tar distillation shops of the coking and coal chemical plants. N. S. Zurakhinskii. Koks i khim. no. 8:37-40 '63.

Automation of the charging of ptich-coke ovens. F. M. Panenko, A. T. Sychev, E. V. Tibo-Brinkol. Koks i khim. no. 6:24-27 '63.

Automation of the technological processes in bakeries. V. V. Nikol'skii, V. A. Meseniashina. Khleb. i kond. prom. 7 no. 8.10-14 Ag '63.

Automation of the work in classification yards. K. A. Vasil'ev. Zhel. dor. transp. 45 no. 8:79-80 Ag '63.

An automaton, asymptotically optimum in a random medium [with summary in English]. V. IU. Kiylov. Avtom. i telem. 24 no. 9.1226-1228 S '63.

Contactless devices of program and power supply automatic control systems with a short circuit tester for traction substations. T. A. Bulatov. Trudy TSNII MPS no. 261 80-102 '63.

Economic effectiveness of the mechanization and automation of finishing operations in the manufacture of electric instruments. N. P. Ivantsova. Priborostroenie no. 8.23-24 S '63.

Economic efficiency of the comprehensive mechanization and automation of coal mines. V. Medvedev. Ekon. Rad. Ukr. no. 4.32-36 Jl-Ag '63.

How to improve the accuracy of weather forecasting; an automatic telemetric hydrometeorological system. V. P. Petrov. Priroda 52 no. 8:38-44 Ag '63.

Lovin, M. I. [Automation of diesel electric-power plants, standard technology and devices] Avtomatizatsiia dizel'-generatornykh ustanovok, tipovaia tekhnologiia i unifitsirovannye sredstva. Moskva, Mashgiz, 1963. 164 p.

Manufacture of steel piston rings based on over-all automation of technological processes. M. I. Basov. Avt. prom. 29 no. 9:34-37 S '63.

Mechanization and automation of press forging operations. B. S. Perevozchikov, V. F. Kovalenko. Kuz.-shtam. proizv. 5 no. 8:38-42 Ag '63.

Mechanization and automation of production processes and traumatism in the hot-working departments of the F. E. Dzerzhinskii Metallurgical Plant. M. D. Khelemendik. Sov. zdrav. 22 no. 6:25-27 '63.

On the problem of determining the level of production mechanization and automation. P. Bilitsenko, P. Zaglubotskyi. Ekon. Rad. Ukr. no. 4.27-31 Jl-Ag '63.

Prospects for the use of electronic controlling machines for the automation of marine power plants. M. M. Ladyzhenskii. Sudostroenie 29 no. 7:35-38 Jl '63.

Report on the automation of refrigerating plants. Khol. tekh. 40 no. 3:80 My-Je '63.

AUTOMOBILE INDUSTRY
(see also subdivision under Gorkiy)
Malyshev, G. A., and A. N. Ezerskii. [Fundamentals of the design and manufacture of plastic parts in the automobile industry] Osnovy proektirovaniia i proizvodstva detalei iz plastmass v avtomobilestroenii Moskva, Mashgiz, 1963 231 p

AUTOMOBILE RACING
For the first time a star race. G. Solov'ev. Za rul. 21 no. 5:25 My '63.
Means for the development of rally races. V. Berezkin and others. Za rul. 21 no. 5:16-17 My '63.

AUTOMOBILES—DESIGN AND CONSTRUCTION
Makers of automobiles. Tekh. mol 31 no. 9:12-15 '63

AUTOMOBILES—FRAMES
Calculation of the stability of automobile frames under the action of a symmetrical load and in braking the automobile. P. I. Sorokin. Sbor. nauch. trud KGRI no. 7:273-287 '59.

AUTOMOBILES—FUEL CONSUMPTION
Save fuels Sel' mekh no. 5 23 My '63.

AUTOMOBILES—IGNITION
What should be preferred? I. Shitnikh. Za rul. 21 no. 5:21 My '63.

AUTOMOBILES—MAINTENANCE AND REPAIR
How to specialize automobile repair. IU Shakin. Plan. khoz. 40 no. 8 45-47 Ag '63.

AUTOMOBILES—MODELS
Toward summer starts. K. Turbabo. Za rul. 21 no. 5:26 My '63.

AUTOMOBILES—TRANSMISSION DEVICES
Review of P. M. Khel'dt'e book "Automobile clutches and gearboxes." P. S. Fomin. Avt. prom. 29 no. 9:48 S '63.

AUTOMORPHIC FUNCTIONS see Functions, Automorphic

AUTOMOTIVE TRANSPORTATION see Transportation, Automotive

AUTONOMIC DRUGS
Effect of ganglioblocking substances on the metabolic processes in the superior cervical ganglion connected with the transmission of nervous excitation [with summary in English]. N. B. Vysotskaia Uch. zap Inst farm. i khimioter. AMN SSSR 3:166-175 '63.
Effect of pharmacological substances on the course of experimental myocardial infarction [with summary in English]. A. A. Miazdrikova. Uch. zap. Inst farm. i khimioter. AMN SSSR 3:202-300 '63.
Principle of nervism in pharmacotherapy (effect of nemotropic drugs on vegetative reflexes and the trophic processes of the stomach wall) [with summary in English]. S. V. Anichkov, I. S Zavodskaia, V E Ruzhenkov. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:14-23 '63

AUTONOMIC NERVOUS SYSTEM see Nervous system, Autonomic

AUTORADIOGRAPHY
Autoradiographic study of the length of periods of the mitotic cycle in cells of shapeless areolar connective tissue under normal conditions. N G. Khrushchov Dokl. AN SSSR 151 no. 5:1201-1203 Ag '63.
Studying the mitotic cycle in marrow cells of mice by the method of radioautography. A. I. Zosimovskaia. Dokl. AN SSSR 151 no. 3:687-690 Jl '63.

AVACHA BAY—SILT—ANALYSIS
Mineralogy of coarse silt fractions of bottom sediments of Kronotskiy Gulf and Avacha Bay [with summary in English]. I. A. Alekseva Trudy Inst. okean. 81:104-

AXONOMETRIC PROJECTION
Kireeva, R. A. [Shadows in orthogonal and axonometric projections] Teni v ortogonal'nykh i aksonometricheskikh proektsiiakh, rukovodstvo dlia studentov NIIZhTa stroitel'nykh spetsial'nostei. Novosibirsk, Novosibirskii in-t inzhenerov zheldor. transporta, 1963, 20 p [MICROFILM]

AZERBAIJAN—APPELLATE COURTS
Salutatory letter to the Supreme Court of the Azerbaijan S. S. R. Bul. Verkh Suda no. 4:28 '63

AZERBAIJAN—ASBESTOS
Geological conditions governing the distribution of asbestos deposits in the ophiolite zone of the Lesser Caucasus. S. M. Suleimanov. Uch. zap. AGU. Ser. geol.-geog. nauk no. 5:15-19 '61.

AZERBAIJAN—COLLECTIVE FARMS—FINANCE
How the increase of state purchasing prices for raw cotton benefits the collective farms of Azerbaijan. R. Kazumov. Ekon. sel'khoz. 34 no. 7:107-109 Jl '63.

AZERBAIJAN—CONSERVATION OF NATURAL RESOURCES
Scientific session on the utilization and conservation of natural resources of the Azerbaijan S. S. R. A. P. Lavrov Izv. AN Turk. SSR. Ser. biol. nauk no. 4:95-96 '63.

AZERBAIJAN—COTTON—PRICES
How the increase of state purchasing prices for raw cotton benefits the collective farms of Azerbaijan. R. Kazumov. Ekon. sel'khoz. 34 no. 7:107-109 Jl '63.

AZERBAIJAN—COTTON BREEDING
New data on the effectiveness of intravarietal crossing of cotton. A. M. Guseinov, Z M. Mukhtarov. Agrobiologiia no. 4:490-496 Jl-Ag '63.

AZERBAIJAN—IRRIGATION
V. I. Lenin and the problem of irrigation in Azerbaijan. A. A Sarkisov. Vop. ist. KPSS 7 no. 9:48-57 S '63

AZERBAIJAN—IRRIGATION CANALS AND FLUMES
Ibad-Zade, IU. A. [Water conveying and measuring structures in irrigation] Vodoprovodiashchie i vodoizmeritel'nye sooruzheniia pri oroshenii [Baku, M-vo sel' khoz Azerbaidzhanskoi SSR, 1961] 291 p. [MICROFILM]

AZERBAIJAN—LABOR AND LABORING CLASSES
Labor training. V. Akhundov. Part. zhizn' no. 17:15-21 S '63.

AZERBAIJAN—PETROLEUM INDUSTRY—JOB DESCRIPTIONS
Wage and classification manual for workers engaged in the offshore petroleum production. Kh. Aliev and others. Sots. trud 8 no. 6:133-135 Je '63

AZERBAIJAN—SERPENTINE
Geological conditions governing the distribution of asbestos deposits in the ophiolite zone of the Lesser Caucasus. S. M. Suleimanov. Uch. zap. AGU. Ser. geol.-geog. nauk no. 5:15-19 '61.

AZERBAIJAN—STATE FARMS
Distribution and development of the state farms in Azerbaijan [in Azerbaijani with summary in Russian]. I. S. Osmanov. Uch. zap. AGU. Ser. geol.-geog. nauk no. 5:81-94 '61.
Kudratov, D. G. [Development of state farms in Azerbaijan during the first five-year plan, 1928-1932. Sovkhoznoe stroitel'stvo v Azerbaidzhane v pervoi piatiletke, 1928-1932 gg Baku] 1962. 179 p. [In Azerbaijani] (MH)

AZERBAIJANI LANGUAGE—DICTIONARIES—RUSSIAN
rbaidzhanskoi SSR, Baku, I komitet. [Dictionary of technical ation and electrification of agricul- icheskikh terminov po mekhanizaa- l sel'skogo khoziaistva. Baku, Azerbaidzhanskoi SSR, 1963. 49 p.

UAGE—MOOD
onstructions of the synthetic and ype in modern literary Azerbaijani the Turkic languages of the south- A. Lisovskaia. Trudy Inst. iaz. AN -46 '62.

perties of polyazines. B. E. Davydov N SSSR, Ser. khim. no. 9:1664-1667

ICT—COMPOST
ls and crop yields. A. G. Mukhamadi- no. 7:68-71 Jl '63.

ICT—CORN (MAIZE)—FERTILIZERS
s and crop yields. A. G. Mukhamadi- no. 7:68-71 Jl '63.

CT—RYE—FERTILIZERS AND
s and crop yields. A. G. Mukhamadi- no. 7:68-71 Jl '63.

AZNAKAYEVO REGION—PETROLEUM INDUSTRY
Concrete and operational. F. Marchenko. Part. zhizn' no. 17:46-50 S '63.

AZO COMPOUNDS
Azo derivatives of barbituric and thiobarbituric acids and their physiological activity I. P Kulev, K B Vorpnova Izv TPI 111 30-35 '61
Luminescent properties of azo compounds based on barbituric acid New reagent for magnesium [with summary in English] G V Serebriakova, A M Lukin, P A Bozhevol'nov Zhur anal khim 18 no 6 706-711 Je '63

AZOV SEA REGION—ARSENIC
Arsenic in the Cimmerian iron ores of the Azov-Black Sea ore province [with summary in English] E. P Shulukov. Geokhimiia no. 1:79-87 Ja '63

AZOV SEA REGION—GALLIUM
Distribution of gallium in alkali rocks as revealed by the study in the region of the Sea of Azov [with summary in English]. G K Eremenko, A A Val'ter, V I. Klimenchuk Geokhimiia no 2 132-136 F '63

AZOV SEA REGION—ROCKS
Physical properties, composition, and age of crystalline shales, sandstones, and spilite-type rocks in the northeastern Azov Sea region. T. S. Lebedev, G. T. Sobakar', IU. P. Orlovetskii. Geofiz. sbor. no. 4:19-27 '63.

AZOV SEA REGION—ROCKS, IGNEOUS
Distribution of gallium in alkali rocks as revealed by the study in the region of the Sea of Azov [with summary in English] G K. Eremenko, A A Val'ter, V I Klimenchuk Geokhimiia no 2 132-136 F '63

AZYAKUL' REGION—SINKHOLES
A rare sink. E. F. Stankevich. Izv. Vses. geog. ob-va 95 no. 4:350 Jl-Ag '63.

BCG VACCINATION
Determination under experimental conditions of the optimum periods for revaccination against tuberculosis [with summary in French]. R. O. Drabkina. Probl. tub. 41 no. 3:70-74 '63.
Effect of ACTH and prednisolone on the immunological reactivity following BCG vaccination [with summary in French]. E. A. Kapitanov. Probl. tub. 41 no. 3:22-26 '63.
Effect of adrenocorticotrophic hormone on the development of postvaccinal immunity to tuberculosis [with summary in French]. A. K Dushkevich Probl tub. 41 no. 3:53-58 '63.
Is the late vaccinal reaction following BCG vaccination an allergic response [with summary in French]. Phom Ngok Chakh. Probl. tub. 41 no. 3:74-78 '63.

BABISM
History of the Russian studies of Babism and Bahaism. N. A. Kuznetsova. Och. po ist. rus. vostokoved. no. 6: 99-133 '63.

BABYLONIA—SOLDIERS
Legal and economic status of the "rēdūm" soldiers during the first Babylonian dynasty. V. A. [Akolgsen. Vest. drev. ist. no. 2:129-141 '63.

BACTERIA
Effect of ultraviolet rays on the numerical variations of bacteria experimental biocenoses. M M. Kamshilov, E. S. Fishkova. Dokl. AN SSSR 151 no. 1:206-208 Jl '63.

BACTERIA, EFFECT OF DRUGS ON
Comparative evaluation of the determination of the drug sensitivity of Mycobacterium tuberculosis by direct sputum culture on Heisberg's medium and by microculture. M. IA. Borina. Probl. tub. no. 3:80-83 '62
Drug resistance of Mycobacterium tuberculosis in cycloserine treatment of pulmonary tuberculosis [with summary in French]. E. S. Stepanian, V. V. Sergeev. Probl. tub. no. 3:84-87 '62.

BACTERIA, PATHOGENIC
Lipids of the dehydrogenase preparation from the cytoplasmic membranes of Micrococcus lysodeicticus. A. I. Oparin and others. Dokl. AN SSSR 152 no. 1:228-230 S '63.

BACTERIA, PHOSPHORUS
Factors determining the effectiveness of phosphorobacterin in soil. R. A. Menkina. Zemledelie 25 no. 7:78-82 Jl '63.

BACTERIA, SPOREFORMING
Differences in the luminescence of spores in Bacillus brevis and Actinomyces griseus [with summary in English]. IU. I. Demikhovs'kyi, O. M. Roskvas. Mikrobiol. zhur. 25 no. 4:7-10 '63.

BACTERIA, SULFUR
Effect of some reducing agents on the development of green sulfur bacteria and the synthesis of bacterioviridin by them at various light intensities. V. N. Shaposhnikov, R. M. Balitskaia, E. N. Kondrat'eva. Dokl. AN SSSR 151 no. 3:708-711 Jl '63.

BACTERIOLOGY—CULTURES AND CULTURE MEDIA

Comparative evaluation of the determination of the drug sensitivity of Mycobacterium tuberculosis by direct sputum culture on Helsberg's medium and by microculture. M. IA. Borina. Probl. tub. no. 8 80-83 '62.

Comparative study of some elective culture media. A. P. Baturo. Probl tub 41 no 3:84-85 '63

Methods for detecting the microorganisms of autochthonous microflora in agar media [with summary in English]. E. Z. Tepper. Izv. TSKHA no. 3:228-233 '63.

Varisibility of Morgan's bacilli in bile-meat-peptone broth cultures [with summary in English]. H. F. Petruk. Mikrobiol zhur 25 no. 1:10-13 '63.

BACTERIOLYSIS

Role of tissular proteases in the formation of highly effective products decomposing Mycobacterium tuberculosis [with summary in French]. A. I Kurtashev. Probl tub. no. 8 92-94 '62.

BACTERIOPHAGE

Dispersion of the optic rotation of deoxyribonucleic acid isolated from T-2 bacteriophages. G. A. Dvorkin and others. Dokl AN SSSR 151 no. 5:1211-1214 Ag '63

Significance of the phagotyping test in the study of staphylococcal intoxications. V. S. Vitivker. Vrach. delo no. 8:100-101 Je '63.

BACTERIOVIRIDIN

Effect of some reducing agents on the development of green sulfur bacteria and the synthesis of bacterioviridin by them at various light intensities. V. N. Shaposhnikov, R. M. Bolitskaia, E. N. Kondrat'eva. Dokl. AN SSSR 151 no. 3 708-711 Jl '63.

BADKHYZ PRESERVE—PARASITES—ASSES AND MULES

Note on ixodid ticks parasitizing on wild asses. A. O. Solomatin. Trudy Inst. zool. AN Kazakh. SSR 19:242-243 '63.

BADKHYZ PRESERVE—TICKS

Notes on ixodid ticks parasitizing on wild asses. A. O Solomatin. Trudy Inst. zool. AN Kazakh. SSR 19:242-243 '63.

BAER, KARL ERNST VON, 1792-1876

Unpublished materials of K. M. Baer on the travels of E. P. Kovalevskii to China in 1849-1850. B. A. Val'skaia. Mat. Vost. kom. Geog. ob-va SSSR no. 1:29-33 '62.

BAHAISM

History of the Russian studies of Babism and Bahaism. N. A. Kuznetsova. Och. po ist. rus. vostokoved. no. 6: 69-133 '63.

BAIKAL, LAKE—DIATOMS

Development of Melosira distans subsp. alpigena (Grun.) Skabitsch. in Lake Baikal. G. I. Popovskaia Bot. zhur 48 no. 7 1034-1037 Jl '63.

BAIKAL LAKE REGION—ELECTROMAGNETIC PROSPECTING

Recent data on the deep-seated structure of the Lake Baikal region. IU. A. Kosygin and others. Dokl AN SSSR 151 no. 5:1162-1163 Ag '63.

BAIKAL LAKE REGION—GEOLOGY, STRATIGRAPHIC

Recent data on the geology of the Lake Baikal region. V. S. Inakova. Dokl. AN SSSR 151 no. 1:101-104 Jl '63.

BAIKAL LAKE REGION—WEATHER FORECASTING

Temperature anomaly of the winters in the region of the formation of the Siberian anticyclone in connection with the intensity of its development. N. M. Kalmykova. Trudy TSIP no. 123:63-77 '63.

BAKED PRODUCTS—TESTING

Laboratory press for small loads. A. S. Shpigel'glias. Khleb. i kond. prom. 7 no. 8:7-9 Ag '63.

BAKERIES see subdivision under Memel; Moscow; Moscow Province; Pervouralsk

BAKERIES—DESIGN AND CONSTRUCTION

Some problems in design and planning. G. S. Chudakov. Khleb. i kond. prom. 7 no. 8:37-38 Ag '63.

BAKERIES—EQUIPMENT AND SUPPLIES

Automation of the technological processes in bakeries. V. V. Nikol'skii, V. A. Meseniashina. Khleb. i kond. prom. 7 no. 8:10-14 Ag '63.

Improving the performance of the KhDF-M2 dough divider. V. S. Pogorelyi. Khleb. i kond. prom. 7 no. 8: 34-35 Ag '63.

Machine for cutting sponge cake into layers. V. I. Sharf. Khleb. i kond. prom. 7 no. 8:40-41 Ag '63.

Vesler, L., T. Sdobnova, and Ch. Sobolevskii. [Use of organosilicon compounds in the bakery industry] Primenenie kremniiorganicheskikh soedinenii v khlebopekarnoi promyshlennosti; pishchevaia promyshlennost', Riga, TSentr. biuro tekhn. informatsii, 1962. 22 p. [MICROFILM]

BAKHTIN, NIKOLAI NIKOLAEVICH, 1866-1940

N. N. Bakhtin's card catalog of translations from foreign literature. T. I. Bron'. Sov. bibl. no. 4:36-40 '63.

BAKSHAN'YAR, LAKE—ICE ON RIVERS, LAKES, ETC.

The clue is in the thermal conditions N. N. Lapteva. Priroda 52 no. 8:124 Ag '63.

BAKU BAY—CLAY

Characteristics of Quaternary clay rocks in Baku Bay from the viewpoint of engineering geology. D. M. Suleimanov, A. B. Shpikov. Uch. zap. AGU. Ser geol.-geog. nauk no. 5 21-29 '61.

BAKU BAY—ENGINEERING GEOLOGY

Characteristics of Quaternary clay rocks in Baku Bay from the viewpoint of engineering geology. D. M. Suleimanov, A. B. Shpikov. Uch. zap. AGU. Ser. geol.-geog. nauk no. 5 21-29 '61.

BALAKOVA—TEXTILE FIBERS, SYNTHETIC

The Balakova Chemical Combine. IA. Filipchenko. Agitator no. 12:52-54 Je '63.

BALANCE OF PAYMENTS

Gold in the financial system of imperialism. O. Bogdanov. Mir. ekon. i mezhdunar. otn. no. 8:63-72 '63.

BALKHASH, LAKE—ANIMAL INTRODUCTION

Acclimatization of mysids and the possibility of introducing other Pontocaspian invertebrates into Lake Balkhash. S K Tiuten'kov. Trudy Inst. ikht. i ryb. khoz. AN Kazakh. SSR 4:152-171 '63.

BALKHASH, LAKE—INVERTEBRATES

Acclimatization of mysids and the possibility of introducing other Pontocaspian invertebrates into Lake Balkhash. S K Tiuten'kov. Trudy Inst. ikht. i ryb khoz. AN Kazakh. SSR 4:152-174 '63.

BALKHASH LAKE REGION—TROUT

Chars of the Balkhash region and their biocoenotic and economic significance. P. F Martukhov. Trudy Inst. ikht. i ryb khoz AN Kazakh SSR 4 124-151 '63

BALLAST (RAILROADS)

Efficiency of a crushed stone ballast section in heavy traffic sectors. L. K. Gromov, N. P. Kondakov. Trudy NIIZHT no. 31:87-109 '62.

Overhauling of tracks with an asbestos and crushed stone section D. A. Pechugin, L. D. Pechugina. Put' i put. khoz. 7 no. 8, 21-24 '63

Resistance to transverse displacement of ties laid on asbestos ballast. K. I. Shchepotin. Trudy NIIZHT no. 31:140-169 '62.

Role of the ballast bed and required characteristics of ballast materials. L. K. Gromov. Trudy NIIZHT no. 31:110-124 '62.

BALLAST (RAILROADS)—TESTING

Thermophysical properties of asbestos ballast. G. P. Bredtuk, N. N. Afanas'eva, M. S. Sharlovskaia. Trudy NIIZHT no. 31:125-139 '62.

BALLET see subdivision under White Russia

BALLISTOCARDIOGRAPHY

Ballistocardiographic studies in chronic tonsillitis [with summary in English]. E. M. Kucherenko, O. IA. Grinshpun, A. E. Kulcherenko. Vrach. delo no. 8:14-18 Ag '63.

Change in the ballistocardiogram in euthyroid goiter. E. N. Dormidontov. Vrach. delo no. 8:126-127 Je '63.

BALTIC SEA—TRAWLS AND TRAWLING

New trawl for Baltic herring and sprats. A. B. Sidorov, V. P. Fedorov. Ryb. khoz. 39 no. 8:48-50 '63.

BALTIC SEA REGION—CLOUDS

Typification of synoptic processes in fogs and low clouds in the Baltic Sea Region. A. N. Koviza. Trudy TSIP no. 122:21-41 '63.

BALTIC SEA REGION—FOG

Typification of synoptic processes in fogs and low clouds in the Baltic Sea Region. A. N. Koviza. Trudy TSIP no. 122:21-41 '63.

BALTIC SEA REGION—GEOLOGY, STRUCTURAL—CONGRESSES

Soveshchanie po voprosam neotektonicheskikh dvizhenii v Pribaltike. Tallinn, 1960. [Conference on the Neotectonic Movements in the Baltic Sea Region Tallinn 1960] Materialy Tartu Akademiia nauk Estonskoi SSR, 1960. 154 p.

BAMBOO

Regeneration of flowering bamboo plantations. F. S. Pilipenko. Agrobiologiia no. 4:576-580 Jl-Ag '63.

BANACH SPACES

Convergence of difference schemes. L. I. IAkut. Dokl. AN SSSR 151 no. 1:76-79 Jl '63.

Relationship between volume and diameter of sets in n-dimensional Banach space. M. S. Mel'nikov. Usp. mat. nauk 18 no. 4:165-170 Jl-Ag '63.

Some geometric properties of nonreflexive spaces. D. P. Mil'man, V. D. Mil'man. Dokl. AN SSSR 152 no. 1:52-54 S '63.

BANDAGES AND BANDAGING

Improved bandages after breast surgery [with summary in English]. L. V. Zalitbovskii Vop onk 9 no 2:107-108 '63.

BANDERITSA VALLEY—AVALANCHES

Erosional and accumulative activity of avalanches. Khristo D. Pecv. Izv. Vses. geog. ob-va 95 no. 4 355-357 Jl-Ag '63.

BANK EMPLOYEES—EDUCATION AND TRAINING

Important frontier of the struggle for communism. Den. i kred. 21 no. 8:3-7 Ag '63.

BANKS AND BANKING

(see subdivision under Africa, West; Buryn'; Daghestan; Great Britain; Kazakhstan; Lyubertsy; Petrovskiy District, Stavropol Territory; Sher'ya)

Brief information on foreign exchange and banks abroad. Den. i kred. 21 no. 8:85-88 Ag '63.

Collective farm payments for replenishing indivisible funds. Den. i kred. 21 no. 8:68-71 Ag '63.

Give more attention to the problems of financing capital construction. V. Ushakov. Den. i kred. 21 no. 8:8-16 Ag '63.

In the Board of Directors of the State Bank of the U. S. S. R. Den. i kred. 21 no. 8:93-94 Ag '63.

Our readers' letters. Den. i kred. 21 no. 8:71-76 Ag '63.

BANKS AND BANKING—ACCOUNTING

Mechanize the evening receiving and payment operations. M. Andrianov, I. Gal'perin. Den. i kred. 21 no. 8 66-67 Ag '63.

BANKS AND BANKING—EQUIPMENT AND SUPPLIES

Kozhevnikov, M. P. [Machines for sorting and counting coins] Mashiny dlia sortirovki i pereschota monety; prakticheskoe posobie. Moskva, Gosfinizdat, 1963 70 p.

BANKS AND BANKING—GOVERNMENT OWNERSHIP

How the Bolsheviks took possession of the credit system. S. Mekhanik. Den. i kred. 21 no. 8 88-92 Ag 63.

BANKS AND BANKING—STUDY AND TEACHING

Appeal of Kazan Special Accounting and Credit School collective of teachers, students, and administrative and managerial workers to all collectives of special accounting and credit schools of the State Bank of the U. S. S. R. Den. i kred. 21 no. 8:47-48 Ag '63.

BAR ASSOCIATIONS

(see also subdivision under Leningrad Province)

Let us extend our legal aid to business enterprises. E. Sosen. Sov. just. no. 9:16-17 My '63.

BARANCHIK—HOLY WELLS

Follow-up of our articles. Nauka i rel. 4 no. 7:81 Jl '63.

BARANKUL'SKIY DISTRICT—ANOPLURA

Sucking lice (Siphunculata) of the rodents of Tselinograd Province. N. A. Bezukladnikova. Trudy Inst. zool AN Kazakh. SSR 19:206-208 '63.

BARANKUL'SKIY DISTRICT—PARASITES—RODENTIA

Sucking lice (Siphunculata) of the rodents of Tselinograd Province. N. A. Bezukladnikova. Trudy Inst. zool. AN Kazakh. SSR 19:206-208 '63.

BARANOVICHI DISTRICT—COLLECTIVE FARMS—AUDITING AND INSPECTION

Production administration auditor on a collective farm. V. A. Sharapa. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5:40-41 My '63.

BARBEL (FISH) see subdivision under Syr Darya

BARBITURATES—TOXICOLOGY

Strychnine nitrate treatment of acute barbiturate poisoning. N. K. Fedorova. Vrach. delo no. 8:144-145 Ag '63.

BARBITURIC ACID

Luminescent properties of azo compounds based on barbituric acid New reagent for magnesium [with summary in English]. G. V. Serebriakova, A. M. Lukin, E. A. Bozhevol'nov. Zhur. anal. khim 18 no. 6:708-711 Je '63.

BARBITURIC ACID—PHYSIOLOGICAL EFFECT

Azo derivatives of barbituric and thiobarbituric acids and their physiological activity. L. P. Kulev, K. R. Voronova. Izv TPI 111 30-35 '61.

BARBUSSE, HENRI, 1874-1935

"Great voice." Mikhail Bugovoi. Kul't. i zhizn' 7 no. 5: 38-39 '63.

Soldier of the peace movement. B. Mitskevich. Belarus' 20 no. 5:24 My '63.

BARENTS SEA—COD FISHERIES

Effect of oceanological factors on the distribution and fisheries of codfish in the Barents Sea. G. N. Zaitsev. Ryb. khoz. 39 no. 8:10-15 '63.

BARENTS SEA—PARASITES—CODFISH

Parasites of young cod in the Barents Sea [with summary in English]. IU. I. Poltanskii, I. V. Kulemina. Vest. LGU 18 no. 15:12-21 '63.

BARENTS SEA—PARASITES—CRUSTACEA

Uspenskaia, A. V. [Parasites of benthic Crustacea of the Barents Sea] Parazitofauna bentficheskikh rakoobraznykh Barentsova moria. Moskva, Izd-vo Akad. nauk SSSR, 1963 126 p.

BARENTS SEA—TRAWLS AND TRAWLING

Floating academy. I. G. Gonikman. Ryb. khoz. 39 no. 8 65-69 '63.

BARITE

Using the decrepitation method for the bleaching of barite. N. A. Kuznetsova, T. S. Ostroumova. Lakokras. mat. i ikh prim. no. 3 23-25 '63.

BARIUM

Geochemistry of strontium and barium in sulfur sedimentation [with summary in English]. N. P. Ushkin. Geokhimiia no. 12:1089-1093 '62.

BARIUM—ANALYSIS

Separation of barium from strontium with the aid of complexon III. Sulfate method for separating alkaline earth elements [with summary in English]. L. I. Afanas'eva. Zhur. anal. khim. 18 no. 6 712-716 Je '63.

BARIUM FERRATES

Permanent magnets of barium-strontium ferrates. Pavel Chutov. Fiz. met. i metalloved. 16 no. 1 132-133 Jl '63.

BARIUM FLUORIDE

Electron paramagnetic resonance of Eu^{2+} ions in BaF_2 and SrF_2 single crystals. V. M. Vinokurov and others. Fiz. tver. tela 5 no. 7:1936-1939 Jl '63.

BARIUM SULFATE

Investigation by the method of light absorption of the system $BaSO_4 - C_2H_5OH - H_2O$ in the presence of cations of various valency. N. D. Podobed. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2 212-217 '63.

BARIUM TITANATES

Temperature study of the infrared reflection spectra of $BaTiO_3$ and $SrTiO_3$ in the 2 - 1000 μ region. V. N. Murzin, A. I. Demeshina. Fiz. tver. tela 5 no. 8 2359-2361 Ag '63.

BARK INSCRIPTIONS—CONSERVATION AND RESTORATION

Patients of the Laboratory for Conservation and Restoration of Documents. S. Perovskii, L. Semenov. Zvezda no. 6 144-145 Je '62.

BARLEY

Origin and evolution of cultivated barley [with summary in English]. L. E. Khodkov. Vest. LGU 18 no. 15, 53-61 '63.

BARNAUL REGION—FOREST FIRES—PREVENTION AND CONTROL

Fire observation tower with a movable cabin. L. Zhitenev. Les khoz. 16 no. 5:44-45 My '63.

BAROMETRIC HYPSOMETRY

Nomogram for calculating excesses in barometric leveling. V. G. Pirogov. Geod. i kart. no. 8:37-39 Ag '63.

BARYONS

Pulsed spectrum of baryons in inelastic collisions of fast pions with nucleons. V. S. Barashenkov and others. Zhur. eksp. i teor. fiz. 45 no. 2:381-383 Ag '63.

BASAL METABOLISM

Basal metabolism in mountains at medium altitudes. S. M. Bedalova. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:105-108 Mr-Ap '63.

BASHKIRIA—CLAY

Some physicochemical properties of Lower Carboniferous clays in the Arlan-Dyurtyuli zone. L. N. Malyshev, I. L. Marshasin, G. A. Babalian. Geol. nefti i gaza 7 no. 6: 42-48 Je '63.

BASHKIRIA—CONDENSATE OIL WELLS

Exploitation of gas condensate fields in Bashkiria. A. V. Kopytov, V. A. Skripnik. Neftepromdelo no. 3:13-16 '63.

BASHKIRIA—OIL WELL DRILLING

Bogdanov, N. Kh., and M. U. Muratov. [Drilling slim wells] Burenie skvazhin umen'shennogo diametra. Ufa, Bashkirskoe knizhnoe izd-vo, 1962. 98 p.

BASHKIRIA—PETROLEUM—REFINING

Centralized base for Ufa petroleum refineries. L. A. Bondarenko, G. Sh. Kudolarov. Transp. i khran. nefti no. 1:30-32 '63.

BASHKIRIA—PUMPING MACHINERY

Automation of a water-pumping station. G. A. Komissarov. Transp. i khran. nefti no. 1:14-17 '63.

BASHKIRIA—SAND

Structure and correlation of sand beds in the terrigenous formation of the Lower Carboniferous in Bashkiria. M. Kh. Musin, V. N. Chernomorskii, P. I. Chunosov. Geol. nefti i gaza 7 no. 6:38-41 Je '63.

BASHKIRIA—VOCATIONAL EDUCATION

Industrial training in Bashkiria. F. Kh. Mustafina. Shkola i proizv. 7 no. 8:27-28 Ag '63.

BASHKIRIA—WATER SUPPLY, INDUSTRIAL

Automation of a water-pumping station. G. A. Komissarov. Transp. i khran. nefti no. 1 14-17 '63.

BASICITY

Measurement of the temperature dependence of the basicity constant of m-nitroaniline. Iu. L. Khaldna. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2 233-235 '63.

BASKETBALL

Recording shots in basketball. A. N. TSeretelli. Sbor. trud. Gruz. gos. inst. fiz. kul't. 5 225-229 '62.

BAST—DRYING

Investigating the potential of drying in a layer of bast-fiber materials. N. D. Khomutskii. Izv. vys. ucheb. zav. tekh. tekst. prom. no. 3:41-49 '63.

Relative rate of drying of thin bast fiber materials. N. D. Khomutskii. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2, 16-54 '63.

BATHS, MEDICATED

(see also subdivision under Perm Province)

Hydrogen sulfide baths in compound treatment of patients with infectious nonspecific polyarthritis. M. N. Syroechkovskaia. Vop. kur. fizioter. i lech. fiz. kul't. 28 no. 2 152-157 Mr-Ap '63.

Morphological changes in the mast cells of the skin under the influence of different balneological factors. V. V. Soldatov. Vop. kur., fizioter. i lech. fiz. kul't 27 no. 5:420-429 S-O '62.

BATHS, MOOR AND MUD

(see also subdivision under Kirovakan; Odessa)

Importance of focal infection in the gallbladder and the biliary ducts in patients with infectious nonspecific polyarthritis in fangotherapy. A. A. Fiveiskaia. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2, 147-152 Mr-Ap '63.

BATS

Wonderful world of bats. Alen Ober. Priroda 52 no. 8:94-95 Ag '63.

BATUM—PLANT QUARANTINE

Batum Quarantine Station. G. M. Kumskaia. Zasch. rast. ot vred. i bol. 8 no. 8 44 Jl '63.

BATUM REGION—ALUMINUM

Migration of aluminum in the weathering surface of Caucasian subtropics. N. V. Saprykina. Min. syrie no. 7 167-178 '63.

BATUM REGION—WEATHERING

Migration of aluminum in the weathering surface of Caucasian subtropics. N. V. Saprykina. Min. syrie no. 7:167-178 '63.

BAUXITE

(see also subdivision under Guinea)

Skull formation in bauxite sintering furnaces. M. Z. Pilushkin, T. I. Litvinova, F. F. Bakhturina. TSvet. met. 36 no. 8 87-89 Ag '63.

BAYANAUL REGION—PALEONTOLOGY, STRATIGRAPHIC

Paleontological characteristics of the sediments of the Givetian stage of the Bayan-Aul region (central Kazakhstan). M. A. Senkevich. Mat. po ist. fauny i flory Kazakh. 4:152-158 '63.

BAYKONUR REGION—FERNS, FOSSIL

New Jurassic fern from Baykonur. E. R. Orlovskaia. Mat. po ist. fauny i flory Kazakh. 4:223-228 '63.

BAYRAMALI DISTRICT—COTTON—IRRIGATION

Reclamation of saline waste lands for cotton growing. V. S. Burdygina. Izv. AN Turk. SSR. Ser. biol. nauk no. 4: 8-15 '63.

BAYRAMALI DISTRICT—SALINE AND ALKALI SOILS

Reclamation of saline waste lands for cotton growing. V. S. Burdygina. Izv. AN Turk. SSR. Ser. biol. nauk no. 4: 8-15 '63.

BEAMS AND GIRDERS

Design for a three-span beam of varying profile. V. A. Smirnov. Transp. stroi. 13 no. 7 62-63 Jl '63.

Determining the rigidity of bent reinforced concrete elements strengthened by prestressed tie rods. N. M. Onufriev. Izv. vys. ucheb. zav., stroi. i arkhit. 6 no. 2:31-38 '63.

Using high-strength rod reinforcements in prestressed bridge girders. N. M. Kolokolov and others. Transp. stroi. 13 no. 6:22-25 Je '63.

BEAMS AND GIRDERS—WELDING

Cracks in the runway girders of coal reloading machines. N. D. Shumov. Koks i khim. no. 9:56-59 '63.

BEANS

(see also subdivision under Altai Territory)

Conference on the growing and purchasing of kidney beans. A. P. Lisenkov. Zemledelie 25 no. 7:84-87 Jl '63.

Ontogenetic changes in the daily rhythm of movement of kidney bean leaves [with summary in English]. E. T. Krastina. Izv. TSKHA no. 3:62-71 '63.

BEANS—FERTILIZERS AND MANURES

Effect of the conditions of nutrition on the yield and nitrogen content of corn and forage beans in mixed plantations [with summary in English]. I. V. Gulikin, M. M. Gukova, R. Bogomolova. Izv. TSKHA no. 3:7-18 '63.

BEARING INDUSTRY see subdivision under Moscow

BEARINGS (MACHINERY)

Gromyko, A. G. [Electric arc method for manufacturing bimetallic bearings] Elektrodugovoi sposob izgotovleniia bimetallicheskikh podshipnikov [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1963 52 p.

Reconditioning crank bearings of engines. Iu. Lopelans, M. Sushkevich. Tekh. v sel'khoz. 23 no. 5:65-67 My '63.

BEARS see subdivision under Ural Mountains

BEAUTY, PERSONAL

Care of facial skin in the summertime. N. Uzhvieva. Rab. i sial. 39 no. 6 22 Je '63.

BEBEL, AUGUST, 1840-1913

A famous son of the German nation. B. Tartakovskii. Mol. komm. no. 8:102-104 Ag '63.

Outstanding champion of the labor cause. N. D. Ovcharenko. Vop. ist. 38 no. 7:187 Jl '63.

BEDNYI, DEM'IAN, 1883-1945

Abiding love for books. S. Pridvorov. V mire knig 3 no. 8, 45 Ag '63.

BEE CULTURE

(see also subdivision under Kabardino-Balkar A. S. S. R.)

Organization of cucumber pollination in hothouses of the "1-go Maia" State Farm. IA. M. Samosadov. Dokl. TSKHA no. 62:543-545 '61.

BEE CULTURE—QUEEN REARING

Characteristics of artificial rearing of swarm and superseded queens. A. I. Levicheva. Dokl. TSKHA no. 62 547-552 '61.

BEE CULTURE—WINTERING

Metabolism in the organism of wintering bees in relation to their manner of using the combs of the chamber. O. S. L'vov. Dokl. TSKHA no. 62 525-530 '61.

BEECH

(see also subdivision under Bulgaria)

Change in the content of nutritive substances in detached leaves of the European beech. A. M. Galushko. Nauch. dokl. vys. shkoly; biol. nauki no. 3:163-165 '63.

BEECH—DISEASES AND PESTS see subdivision under Caucasus, Northern

BEEF CATTLE—ECONOMIC ASPECTS see subdivision under Uzbekistan

BEES

"Dancing" and swarming of honeybees. P. P. Kopanevich. Priroda 52 no. 8:102-103 Ag '63.

BEETLES, FOSSIL see subdivision under Yakutia

BEETS

Effect of X-raying of the seeds of grafted beet plants on root formation in the first generation. A. S. Palamarchuk. Nauch. dokl. vys. shkoly; biol. nauki no. 3:178-181 '63.

BEETS—DISEASES AND PESTS see subdivision under Trans-Ili Alatau

BEETS, SUGAR see Sugar beets

BELAYA VALLEY (BASHKIRIA)—STEPPE FLORA

Steppe flora in the floodplain of the Belaya River. B. M. Mirkin. Bot. zhur. 48 no. 7:1026-1030 Jl '63.

BELEBEY DISTRICT—COLLECTIVE FARMS—FINANCE

Every collective farm should have business accounting within its individual production units. A. I. Islamov. Uchet. i fin. v kolkhoz. i sovkhoz. 20 no. 9:30-31 S '63.

BELGIUM—ELECTRIC RAILROADS

Belgian electric rolling stock. V. A. Zabrodin. Elek. i tepl. tiaga 7 no. 6:47-48 Je '63.

BELGIUM—WOMEN AND PEACE

Our books. Zhen. mira no. 4:33 '63.

BELGOROD PROVINCE—COLLECTIVE FARMS—ACCOUNTING

Monthly accounting for expenditures in a brigade. I. Kurbatov. Ekon. sel'khoz. 34 no. 7:84-87 Jl '63.

BELIAEV, NIKOLAI MIKHAILOVICH, 1890-1944

N. M. Beliaev's works in the field of concrete. IA. E. Iokhel'son. Sbor. trud. LIIZHT no. 192:63-75 '62.

LINSKII, VAISSARION GRIGOR'EVICH, 1811-1848

Ivakov, I. IA. [V. G. Belinskii's philosophy] Mirovozzrenie V. G. Belinskogo. [Blagoveshchensk] Amurskoe knizhnoe izd-vo, 1962. 382 p. (MIl)

LLADONNA see subdivision under Chu Valley

LOKURIKHA—AIR, IONIZED—THERAPEUTIC USE

Ir ionization in the emanatorium of the Belokurikha Health Resort. T. B. Kudlavtseva, Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5 441-445 S-O '62.

LOV, VLADIMIR NIKOLAEVICH

Vladimir Nikolaevich Belov (1900-1963). Masl.-zhir. prom. 29 no. 7:47 Jl '63

LOVEZHSKAYA PUSHCHA

Lovezhskaya Pushcha. Vitali Vol'ski. Rab. i stial. 30 no. 8,12-14 Ag '63.

LOVEZHSKAYA PUSHCHA—WILD RICE

Rice in the Belovezhskaya Pushcha. I. Antonau. Belarus' 20 no. 5,15 My '63

NCH MARKS

Practice of using wall markers in traversing. IU. S. Klimotevskii. Geod. i kart. no. 6:20-23 Je '63.

NN, GOTTFRIED, 1886-1956

Against the ideology of revenge. A. Kaiel'skii. Vop. lit. 7 no. 7,216-220 Jl '63.

NT GRASS

Tillering during the first year of life in the bent grass Agrostis alba L. var. Gigantea Mey. G. M. Denisova. Bot. zhur. 48 no. 7 1011-1015 Jl '63

NTONITE

Interaction of polyacrylamide with bentonite suspensions. O. D. Kurilenko, L. T. Prilipko, R. V. Mikhaliuk. Izv. vys. uchob. zav.; khim. i khim. tekh. 6 no. 2 248-251 '63.

NZALDEHYDE

β(Ethoxyethyl)acetal of benzaldehyde and its reaction with vinyl ethyl ether. L. S. Povarov, B. M. Mikhailov. Izv. AN SSSR, Ser. khim. no. 7,1312-1313 Jl '63

NZAMIDE—ABSORPTION SPECTRA

Absorption spectra of nitrobenzamide derivatives of 4-aminodiphenylmethane and 4-amino-4'-dimethylaminodiphenylmethane. R. S. T'Sekhanskii, Izv. vys. uchob. zav., khim. i khim. tekh. 6 no. 2:252-256 '63.

NZENE

Adsorption of benzene within a temperature range of 20 to 450°C on chromia-alumina-potassium catalysts. A. M. Rubinshtein, K. I. Slovetskaia, T. R. Brueva. Dokl. AN SSSR 151 no. 3,580-583 Jl '63.

Dephenolization of industrial phenol-containing waste waters with benzol extraction. L. I. Zlatin and others. Koks i khim. no. 6,42-44 '63.

Oxidative dehydropolycondensation of p-diethinylbenzene [with summary in English]. V. V. Korshak, A. M. Sladkov, IU. P. Kudrinvtseva. Vysokom. soed. 5 no. 6: 793-798 Je '63.

Suspension copolymerization of styrene with divinylbenzene in the presence of telogen [with summary in English]. E. B. Trostianskaia, A. S. Tevlina, F. A. Naumova. Vysokom. soed. 5 no. 8,1240-1241 Ag '63.

NZENE—SPECTRA

Excitation of triplet states of naphthalene and benzene molecules by fast electrons. M. V. Alfimov and others. Izv. AN SSSR, Ser. khim. no. 8:1525 Ag '63.

Spectral study of polyphenylene and its block copolymers with p-diethynylbenzene. V. A. Vonsiatskii and others. Izv. AN SSSR, Ser. khim. no. 9:1654-1658 S '63.

NZENE DERIVATIVES

Preparation of hexafluorobenzene from hexachlorobenzene. N. N. Vorozhtsov jun., V. E. Platonov, G. G. Iakobson. Izv. AN SSSR, Ser. khim. no. 8:1524 Ag '63.

NZENE DERIVATIVES—ABSORPTION SPECTRA

Infrared spectra and polar effects in para-substituted benzene containing the groups SCF_3, $SOCF_3$, SO_2CF_3, and OCF_3. V. F. Kulik and others. Zhur. struk. khim. 4 no. 4 541-547 Jl-Ag '63.

NZIDINE

Benzidine method for determining silicon in some organosilicon compounds. A. P. Kreshkov, L. V. Myshliaeva, V. V. Krasnoshchekov. Zav. lab. 29 no. 8,924-926 '63.

NZOCAINE

Use of 10% anesthesin-alcohol for anesthesia in artificial abortion surgery. V. K. Shkol'nyi. Ped., akush. i gin. 25 no. 2:54-55 '63.

NZOFURAN

Derivatives of benzofuran. Report No. 10. Synthesis of some N-alkyl-N-(3-methylbenzofuryl)-N'-dialkyl ethylenediamines. A. L. Madzhoian and others. Izv. AN Arm. SSR, Khim. nauki 16 no. 4 407-415 '63

NZOIC ACID

Chloromethylation of methyl esters of o-alkoxybenzoic acids and the use of products obtained in some syntheses. A. A. Arofian. Izv. AN Arm. SSR, Khim. nauki 16 no. 4, 373-383 '63.

Complexes of aminobenzoic acids and their salts with dinitrobenzenes. B. V. Fionov, N. V. Syrneva. Izv. TPI 121 3-5 '63

Derivatives of p-alkoxybenzoic acids. Report No. 22. α,β-Dimethyl-, β-methylpropyl-, and γ-dipropylaminopropyl esters of p-alkoxybenzoic acids. A. I. Madzhoian and others. Izv. AN Arm. SSR, khim. nauki 16 no. 4 365-372 '63

BENZOIC ACID—PHYSIOLOGICAL EFFECT

Changes in higher nervous activity caused by p-aminobenzoic acid and novocaine during the administration of sulfanilamide [with summary in English]. T. M. Kucherenko, G. I. TSobkallo. Zhur. vys. nerv. deiat. 13 no. 2 276-279 Mr-Ap '63

BENZOQUINONE

Catalytic reduction of p-benzoquinone by carbon monoxide in the liquid phase. V. A. Golodov, A. B. Fasman, D. V. Sokol'skii. Dokl. AN SSSR 151 no. 1,98-101 Jl '63.

BENZOYL PEROXIDE

Kinetics of benzoyl peroxide decomposition in acetylenic hydrocarbons. I. M. Barkalov, V. I. Gol'danskii, Go Min'-gao [Kuo Min-kao]. Dokl. AN SSSR 151 no. 5 1123-1126 Ag '63.

BERDICHEV DISTRICT—ANTIQUITIES

Local historians are collecting archaeological materials. I. S. Vynokur, D. H. Bohun, S. A. Lypko. Ukr. ist. zhur. 6 no. 3 157-158 My-Je '63.

BEREZOVO REGION (TYUMEN' PROVINCE)—GAS, NATURAL—GEOLOGY

Geology of the Berezovo gas-bearing region. V. P. Markevich, M. I. Kalinina. Trudy SNIIGGIMS no. 27: 35-41 '62.

BERING SEA—HALIBUT

Abundance of the halibut Hippoglossus hippoglossus stenolepis Schm. in the Bering Sea [with summary in English]. N. P. Novikov. Zool. zhur. 42 no. 8:1183-1187 '63.

BERING SEA—MARINE ACCIDENTS

The "Storegushchii" comes to the aid. K. Anzimirov, F. Rodionov. Vokrug sveta no. 1 21-23 Ja '63

BERLIN QUESTION (1945-)

Stolpovskii, B. G. [The German Democratic Republic is building socialism] GDR stroit sotsializm. Moskva, Gospolitizdat, 1962. 93 p.

BERRIES—DISEASES AND PESTS see subdivision under Caucasus, Northern

BERYLLIUM

Critical magnetic fields of superconducting beryllium films. B. G. Lazarev, L. E. Semenenko, A. I. Sudovtsov. Zhur. eksp. i teor. fiz. 45 no. 2:391-392 Ag '63.

Factors affecting the endogenetic distribution and concentration of beryllium and lithium. V. V. Shcherbina and others. Min. syr'e no. 7:18-27 '63.

Geochemical history of beryllium in the processes of high-temperature postmagmatic mineral formations [with summary in English]. A. A. Beus, B. P. Sobolev, IU. P. Dikov. Geokhimiia no. 3:297-304 Mr '63.

BERYLLIUM—ANALYSIS

New methodological approach to the study of typomorphic characteristics of minerals based on beryllium. F. V. Rozhkova and others. Min. syr'e no. 7 15-51 '63.

BERYLLIUM—GALVANOMAGNETIC PROPERTIES

Galvanomagnetic properties of beryllium. N. F. Alekseevskii, V. S. Egorov. Zhur. eksp. i teor. fiz. 45 no. 2:388-391 Ag '63.

BERYLLIUM—SPECTRA

Infrared absorption spectra of beryllium minerals [with summary in English]. I. I. Plusnina. Geokhimiia no. 2: 159-173 F '63

BERYLLIUM-COPPER-LEAD ALLOYS see Copper-lead-beryllium alloys

BESSEMER PROCESS

Automatic control of converter smelting by means of computers. K. S. Garger and others. Stal' 23 no. 7: 608-610 Jl '63.

Sulfur oxidation in the acid converter process. K. Looze, G. N. Olks. Izv. vys. ucheb. zav.; chern. met. 6 no. 7: 70-75 '63.

BESSEMER PROCESS—TECHNOLOGICAL INNOVATIONS

Who has corrected the Bessemer process? N. Bychkova. Izobr. i rats. no. 7,42-43 '63.

BET-PAK-DALA—LICHENS

Lichens in the peneplain part of Bet-Pak-Dala. E. I. Andreeva. Trudy Inst. bot. AN Kazakh SSR 15 178-203 '63

BET-PAK-DALA—PARASITES—WOLVES

Ixodid ticks parasitizing on wolves in Bet-Pak-Dala. G. V. Ushakova, A. M. Krivkova. Trudy Inst. zool. AN Kazakh SSR 19:241-242 '63.

BET-PAK-DALA—PLANT COMMUNITIES

Soil and botanical characteristics of the Bet-Pak-Dala station for the study of biotic complexes. S. A. Bedarev. Trudy Inst. bot. AN Kazakh SSR 15 92-118 '63

BET-PAK-DALA—SOILS

Soil and botanical characteristics of the Bet-Pak-Dala station for the study of biotic complexes. S. A. Bedarev. Trudy Inst. bot. AN Kazakh SSR 15 92-118 '63

BET-PAK-DALA—TICKS

Ixodid ticks parasitizing on wolves in Bet-Pak-Dala. G. V. Ushakova, A. M. Krivkova. Trudy Inst. zool. AN Kazakh SSR 19 241-242 '63.

BETATRON

Studying the background and energy spectrum of neutrons from a betatron with the aid of nuclear emulsions. B. M. Ivkovlev, A. A. Iatis. Izv. vys. ucheb. zav., fiz. no. 1 3-9 '63.

BETI, MONGO, 1931 or 2-

"The poor Christ of Bomba." M. Sheinman. Nauka i rel. 4 no. 7:93-94 Jl '63

BIBLIOGRAPHY

Akademiia nauk SSSR. [Bibliography of publications of the Academy of Sciences of the U. S. S. R.; yearbook] Bibliografiia izdanii ezhegodnik. Leningrad
Vol. 6. [Publications for the year 1961] Izdaniia, vyshedshie iz pechati v 1961 g. Sost. O. P. Bellavskaia i dr. Pod red. S. P. Luppova. 1963. 946 p.

Akademiia nauk SSSR. Bibliotechnaia komissiia. [Bibliography of bibliographical works prepared by the libraries of the Academy of Sciences of the U. S. S. R. and of the Academies of Sciences of the Union Republics] Ukazatel' bibliograficheskikh rabot, vypolnennykh bibliotekami Akademii nauk SSSR i Akademii nauk soiuznykh respublik. Moskva, Akad. nauk SSSR, 1957. 110 p. (MIl)

[Book chronicle] Knizh. let. nos. 36-37 '63. Dopolnitel'nyi vypusk no. 8 '63. Vspomogatel'nye ukazateli k nos. 4-6 za 1963 g.

Brief book reviews. Nov. mir 39 no. 9:281-286 S '63.

[Information index of bibliographical lists and card files] Inform. ukaz. bibl. spis. i kart. 7 no. 13 Jl '63.

[Literature in the languages of the countries of Asia and Africa, an annotated catalog of new acquisitions for 1959] Literatura na iazykakh stran Azii i Afriki, annotirovannyi katalog novykh postuplenii 1959. Pod red. A. N. Kononova. Leningrad, Biblioteka Akad. nauk SSSR, 1962. 431 p.

New books. Nov. mir 39 no. 9:287-288 S '63.

[New books; bibliographical weekly] Nov. knigi; bibl. ezhened. 8 nos. 39-40 S '63.

[New books of the U. S. S. R.] Nov. knigi SSSR nos. 38-39, 41 S-O '63.

[New literature on science and research abroad] Nov. lit. o nauke i nauch.-issl. rab. za rub. no. 6 '63.

[New Soviet literature on science and general research in the U. S. S. R.] Nov. sov. lit. o nauke i nauch.-issl. rab. v SSSR no. 7 '63

BIBLIOGRAPHY—AESTHETICS

Aesthetic education of children. R. Blinder. Doshk. vosp. 36 no. 6,115-119 Je '63.

BIBLIOGRAPHY—AGRICULTURE

Books sent to the editor for comment. Agrobiologiia no. 4 639 Jl-Ag '63.

[Information bulletin of new foreign books, received by the Lenin Library. Series 2: Biological, medical, and agricultural sciences] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2: Biol., med. i sel'khoz. nauki 6 nos. 24, 26-27 Ag-S '63.

BIBLIOGRAPHY—AGRICULTURE—ACCOUNTING

Ready for publication. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5:47 My '63.

BIBLIOGRAPHY—AGRICULTURE—ECONOMIC ASPECTS

New books. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5: 47 My '63.

BIBLIOGRAPHY—ANTARCTIC REGIONS

Literature on the Arctic and Antarctica. Probl. Arkt. i Antarkt. no. 13:145-146 '63.

BIBLIOGRAPHY—ANTHROPOLOGY

In memory of L. V. Oshanin. N. N. Miklashevskaia. Vop. antr. no. 12,144-147 '62.

BIBLIOGRAPHY—ARCHAEOLOGY

[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn. no. 6 '63.

BIBLIOGRAPHY—ART

[Literature and art of the peoples of the U. S. S. R. and foreign countries] Lit. i isk. mar. SSSR i zarub. stran nos. 3-4 '63.

BIBLIOGRAPHY—ATHEISM

[New Soviet and foreign literature on the problems of religion and atheism] Nov. sov. i inostr. lit. po vop. rel. i ateiz. nos. 5-6 '63.

BIBLIOGRAPHY—AUTOMATIC CONTROL
New books. Priborostroenie no. 7:32 Jl '63

BIBLIOGRAPHY—BIOLOGY
[Information bulletin of new foreign books, received by the Lenin Library. Series 2 Biological, medical, and agricultural sciences] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2: Biol., med. i sel'-khoz. nauki 6 nos. 24, 26-27 Ag-S '63.

BIBLIOGRAPHY—BULGARIA
[New literature on Bulgaria] Nov. lit. po Bolg. no. 7 '63.

BIBLIOGRAPHY—CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES
Bibliography. Khim. mashinostr. no. 4 47-48 Jl-Ag '63.

BIBLIOGRAPHY—CHEMISTRY
[Chemistry, classed index of articles in foreign periodicals] Khim., sist. uk. st. v inostr zhur. no. 7 '63.

Levina, S.S. [Physics and chemistry, annotated index of popular scientific literature] Fizika i khimiia, ukazatel' nauchno-populiarnoi literatury. Izd. 3., dop. i perer. Moskva, Gos biblioteka SSSR im. V. I. Lenina. 1963. 150 p. (Knigi o prirode i ee zakonakh)

The power of chemistry. A. Glukhov. V mire knig 3 no. 8 10-11 Ag '63.

New books. Khim v shkole 18 no. 3 92 My-Je '63
New books. Ukr. khim. zhur. 29 no. 6-663 '63.

BIBLIOGRAPHY—CHILDREN'S LITERATURE
Bibliographical manuals for children in Czechoslovakia. Z. S. Zhivova, I. S. Chernlavskaia. Bibliotekoved. i bibl. za rub. no. 11 149-155 '63.

A generation of the inquisitive. V. Mil'kov. V mire knig 3 no. 8, 36-37 Ag '63.

BIBLIOGRAPHY—COKE INDUSTRY
Bibliography. Koks i khim. no. 9:3 of cover '63.

BIBLIOGRAPHY—COMMUNISM
Articles on the history of communist parties published in foreign periodicals. Vop ist KPSS 7 no. 8 142-144 Ag '63

Source materials and articles on the history of the CPSU and the international communist and labor movement published in July 1963 in periodicals, bulletins, and scholarly serials. Vop ist. KPSS 7 no 9 143-148 S '63

Source materials and articles on the history of the CPSU and the international communist and labor movement published in June 1963 in periodicals, bulletins, and scholarly serials Vop. ist. KPSS 7 no 8 144-149 Ag '63.

BIBLIOGRAPHY—COMMUNIST ETHICS
Duty, honor, and conscience. N. Zubchenko. V mire knig 3 no. 8 2-3 Ag '63.

Leningrad. Publichnaia biblioteka. [Learn to live and work the communist way, talks on books] Uchit'sia zhit' i rabotat' po kommunisticheski; besedy o knigakh. Leningrad, 1961. 182 p
(CSt-H)

BIBLIOGRAPHY—COMMUNIST INTERNATIONAL
A review of sources for the history of the Communist International and its historiography K. S Trofimov. Vop ist. KPSS 7 no 9 90-99 S '63

BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION
Annotations. Vop. ist. KPSS 7 no 8 137-142 Ag '63
New books. Part. zhizn' (Uzb.) 6 no. 7 94 Jl '63
Recently published. Part. zhizn' no. 16:78 Ag '63.

Source materials and articles on the history of the CPSU and the international communist and labor movement published in June 1963 in periodicals, bulletins, and scholarly serials. Vop. ist KPSS 7 no. 8 144-149 Ag '63.

BIBLIOGRAPHY—CONGRESSES AND CONVENTIONS
New bibliography of publications of scientific congresses. K. V. Liutova. Sov. bibl. no. 4:91-94 '63.

BIBLIOGRAPHY—CRIMINAL LAW
"Bibliography of Soviet criminal law, 1917-1960." V. F. Osipova. Izv. vys. ucheb. zav. ;prav. 7 no. 2:175-176 '63.

BIBLIOGRAPHY—CRYSTALLOGRAPHY
List of works published in 1961 containing new data on crystal structures. A Metals. Zhur. strukt khim. 4 no 4 646-656 Jl-Ag '63

BIBLIOGRAPHY—DISCOVERIES (IN GEOGRAPHY)
Bibliographies of recommended literature on geographical discoveries. V. N. Konskii. Sov. bibl. no. 4:89-91 '63.

BIBLIOGRAPHY—ECONOMICS
[New foreign economic literature] Nov. inostr. ekon. lit. nos. 5-6 '63.
[New Soviet economic literature] Nov. sov. ekon. lit. nos. 5-7 '63.

BIBLIOGRAPHY—ECONOMICS, MATHEMATICAL
New books on statistics and accounting. G. Aliutin. Vest. stat. no. 8:83-85 '63.

BIBLIOGRAPHY—EDUCATION
Bookshelf. Nar. obr. no. 6:112-113 Je '63.
Bookshelf. Nar. obr. no. 6-107, 112-113 Ag '63.
[Literature on the pedagogical sciences and public education] Lit. po ped. naukam i nar. obr. Jl-S '62. no. 3 '63

Publications of the Academy of Pedagogical Sciences of the R S F S R in 1963 V Fat'ianov. Nach shkola 31 no 7 93-95 Jl '63

BIBLIOGRAPHY—ELECTRIC ENGINEERING
Defense of dissertations in the Institute of Radio Electronics and Electronic Engineering in Tomsk. I A. Suslov. Izv. vys. ucheb. zav., radiotekh. 6 no. 3.323 My-Je '63.

Defense of dissertations in the M. A. Bonch-Bruevich Institute of Electrical Communications in Leningrad. F. V. Kushnir. Izv vys. ucheb. zav.; radiotekh. 6 no. 3:323-324 My-Je '63.

BIBLIOGRAPHY—ELECTRIC POWER DISTRIBUTION
Bibliography on half-wave tuned power transmission systems. Trudy Transp. energ. inst. Sib otd. AN SSSR no. 14:171-172 '62.

BIBLIOGRAPHY—ENGELS, FRIEDRICH, 1820-1895
"Bibliography of the Ukrainian publications of K. Marx' and Friedrich Engels' works" by I. A. Bahmut, P. M. Shmorhun. Ukr. ist. zhur. 6 no. 3:152 My-Je '63.

BIBLIOGRAPHY—ENGINEERING
In the latest numbers of foreign journals Transp. stroi. 13 no. 7 80 Jl '63.

BIBLIOGRAPHY—ENGINEERING RESEARCH
Authors' abstracts of dissertations. Vest. mashinostr. 43 no. 8:92 Ag '63.

BIBLIOGRAPHY—ETHNOLOGY
[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn. no. 6 '63.

BIBLIOGRAPHY—EUROPE, EASTERN—LAW
Classified index of articles on legal problems published in the first half of 1962 in the periodicals of the European people's democracies. Izv. vys. ucheb. zav. ;prav. 7 no 2:192-205 '63

BIBLIOGRAPHY—FINANCE
Bookshelf. Den. i kred. 21 no. 8:95 Ag '63.
New books. Fin. SSSR 37 no. 8:90-91 Je '63.

BIBLIOGRAPHY—FISHERIES
New literature on the fishing industry. Ryb. khoz. 39 no 8.89-91 '63.

BIBLIOGRAPHY—FOREST MANAGEMENT
Lectures of the Public Correspondence Course Institute of the Central Administration of the Scientific and Technological Department of the Forest Industry and Forest Management. I. Gushchin. Les. khoz 16 no. 5:77-78 My '63.

BIBLIOGRAPHY—FORESTS AND FORESTRY
From the pages of foreign journals. Les. khoz. 16 no. 2: 88 F '63.
New books. Les. khoz. 16 no. 2:59, 87-88 F '63.
New books to be published by the State Publishing House of Agricultural Literature. Les. khoz. 16 no. 2:84-85 F '63.

BIBLIOGRAPHY—GEOMETRY, DESCRIPTIVE
Tashkent. Institut inzhenerov zheleznodorozhnogo transporta. [List of Soviet literature on descriptive geometry for the years 1946-1960] Bibliograficheskii ukazatel' otechestvennoi literatury po nacherlatel'noi geometrii za 1946-1960 gody. Tashkent, 1963. 70 p.
[MICROFILM]

BIBLIOGRAPHY—GERMANY, EAST
[New literature on the German Democratic Republic] Nov. lit. po Ger. Dem. Resp. no. 6 '63

BIBLIOGRAPHY—HEAT
Bibliography on heat and mass transfer. B. A. Dolinskaia. Inzh.-fiz. zhur. 6 no. 7:133-139 Jl '63.

BIBLIOGRAPHY—HISTORY
Annotations. Vop. ist. KPSS 7 no. 9:135-140 S '63.
Articles on the history of communist parties published in foreign periodicals. Vop. ist. KPSS 7 no. 9-140-142 S '63.
Articles published in Soviet historical periodicals. Vop. ist. 38 no. 7:155-159 Jl '63.
Bookshelf. Prep. ist. v shkole 18 no. 6:121-125 S-O '63.
Dissertations for the degree of Candidate of Historical Sciences defended in 1960. Vop. ist. 38 no. 8:152-157 Ag '63.
Foreign reviews of Soviet historical studies. Vop. ist. 38 no. 7:197-199 Jl '63.
Foreign reviews of Soviet historical studies. Vop. ist. 38 no. 8:203-204 Ag '63.
Historical articles in periodicals published in socialist countries. Vop. ist. 38 no. 7:177-179 Jl '63.
Historical articles in periodicals published in socialist countries. Vop. ist. 38 no. 8:182-183 Ag '63.
Historical articles published in Soviet periodicals. Vop. ist. 38 no 8:147-150 Ag '63.
New bibliographies on history. Prep. ist. v shkole 18 no. 5.110-111 S-O '63
New books. Vop. ist. 38 no. 7:153-155 Jl '63.
New books. Vop. ist. 38 no. 8:144-146 Ag '63.
[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn. no. 6 '63.
Source materials and articles on the history of the CPSU and the international communist and labor movement published in July 1963 in periodicals, bulletins, and scholarly serials. Vop. ist KPSS 7 no 9.113-148 S '63.
These historical studies will be published in 1963 by the Publishing House of Socioeconimic Literature. A. V. Varshavskii, L. K. Shkarenkov. Vop. ist. 38 no. 7:168-161 Jl '63.

BIBLIOGRAPHY—HUNGARY
[New literature on Hungary] Nov. lit. po Veng. nos. 6-7 '63.

BIBLIOGRAPHY—INDUSTRIAL SAFETY
Safety in industry. S. Putiaev. V mire knig 3 no. 9:26 Ag '63.

BIBLIOGRAPHY—INDUSTRY
New books and information materials received by the scientific and technical library of the Armenian Economic Council. Prom. Arm. 6 no. 7:70-00 Jl '63.
Soviet means excellent. A. Lebedev. V mire knig 3 no. 8:19 Ag '63.

BIBLIOGRAPHY—INSECTS, INJURIOUS AND BENEFICIAL—CONTROL
From the pages of journals. D. P. Dovnar-Zapol'skii. Zashch. rast. ot vred. i bol. 8 no. 5:67 My '63.

BIBLIOGRAPHY—INSTRUMENTS
Articles from periodicals published in 1962.
Priborostroenie no. 7:3 of cover Jl '63
New books. Priborostroenie no. 7:32 Jl '63.
New books. Priborostroenie no. 9:16, 3 of cover S '63.

BIBLIOGRAPHY—INVENTIONS
Yesterday but a dream.... V. Prokopenko. V mire knig 3 no. 8:14-15 Ag '63.

BIBLIOGRAPHY—IONOSPHERIC RESEARCH
Summaries of papers published in the journal "Geomagnetizm i aeronomiya" v. 3 No. 1, 1963. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:647-648 '63.

BIBLIOGRAPHY—LANGUAGE AND LANGUAGES
[New Soviet literature on linguistics] Nov. sov. lit. po iaz. no. 6 '63.

BIBLIOGRAPHY—LARIN, BORIS ALEKSANDROVICH, 1893-
B. A. Larin; on his 70th birthday. G. V. Stepanov. Vest. LGU 18 no. 14:147-154 '63.

BIBLIOGRAPHY—LAW
New legal studies published in May-June 1963 in the U. S. S. R. Sov. gos. i pravo 33 no. 9:157-159 S '63.

BIBLIOGRAPHY—LIGHTING
Optics and lighting engineering. Tekh. kino i telev. 6 no. 4:85-88 Ap '62.

BIBLIOGRAPHY—LITERATURE
Great work of a bibliographer. S. Belov. Vop. lit. 7 no. 7:230-232 Jl '63.
[Literature and art of the peoples of the U. S. S. R. and foreign countries] Lit. i isk. nar. SSSR i zarub. stran nos. 3-4 '63.

BIBLIOGRAPHY—LITERATURE—HISTORY AND CRITICISM
[New foreign literature on the study of literature] Nov. inostr. lit. po lit. no. 7 '63.
[New Soviet literature on the study of literature] Nov. sov. lit. po lit. no. 7 '63.

BIBLIOGRAPHY—LUMBERING—SAFETY MEASURES
TSentral'naia nauchno-tekhnicheskaia biblioteka lesnoi i bumazhnoi promyshlennosti. [Safety measures at lumbering camps; bibliographical index of Soviet literature for 1930-1962 and foreign literature for 1940-1961] Tekhnika bezopasnosti na lesozagotovkakh; bibliograficheskii ukazatel' otechestvennoi literatury za 1930 - 1962 gg. i inostrannoi literatury za 1940 - 1961 gg Moskva, 1963. 60 p.

BIBLIOGRAPHY—MACHINE ACCOUNTING
New books on statistics and accounting. G. Aliutin. Vest. stat. no. 9:83-85 '63.

BIBLIOGRAPHY—MACHINE TOOLS
Books. Stan. i instr. 34 no. 7:47-48 Jl '63.

BIBLIOGRAPHY—MACHINERY INDUSTRY
New books. Avt. prom. 29 no. 8:3 of cover S '63.
New books. Vest. mashinostr. 43 no. 8:90-91 Ag '63.
Twenty-fifth anniversary of the State Scientific and Technical Publishing House of Literature on Machinery. Khim. mashinostr. no. 4:43-44 Jl-Ag '63.

BIBLIOGRAPHY—MACHINERY INDUSTRY—FINANCE
New books. Sots. trud 8 no. 6:150 Je '63.

BIBLIOGRAPHY—MAGNETISM, TERRESTRIAL
Summaries of papers published in the journal "Geomagnetizm aeronomiya" v. 3 No. 1, 1963. Izv. vys. ucheb. zav., radiofiz. 6 no. 3, 647-648 '63.

BIBLIOGRAPHY—MANUSCRIPTS
The collections and the work of the Manuscripts Division of the Moscow Public Library; a bibliography, 1836-1962. G. F. Safronova. Zap. Otd. ruk. no. 25, 487-520 '62.

BIBLIOGRAPHY—MAPS
Bibliography. Geod. i kart. no. 8 78-80 Ag '63.

BIBLIOGRAPHY—MARX, KARL, 1818-1883
"Bibliography of the Ukrainian publications of K. Marx' and Friedrich Engels' works" by I. A. Bahmut, P. M. Shmorhun. Ukr. ist. zhur. 6 no. 3 152 My-Je '63.

BIBLIOGRAPHY—MASS TRANSFER
Bibliography on heat and mass transfer. R. A. Dolinskaia. Inzh.-fiz. zhur. 6 no. 7:138-139 Jl '63.

BIBLIOGRAPHY—MATHEMATICS
Defense of dissertations in the field of mathematics. N. I. Markovina. Usp. mat. nauk 18 no. 4 229-232 Jl-Ag '63.
New books on mathematics. L. P. Kalinina. Usp. mat. nauk 18 no. 4, 233-238 Jl-Ag '63.

BIBLIOGRAPHY—MEDICINE
[Information bulletin of new foreign books, received by the Lenin Library. Series 2: Biological, medical, and agricultural sciences] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2: Biol., med. i sel'khoz. nauki 6 nos. 24, 26-27 Ag-S '63.
New books. Fel'd. i akush. 28 no. 2:59-60 F '63.
New books. Sov. zdrav. 22 no. 6:75 '63.
Review of the book "Dissertations for the degree of Doctor and Candidate of Medical Sciences defended between 1951 and 1955," V. A. Novskii. Sov. zdrav. 22 no. 6:91-92 '63.
Zamkova, Z. N. [Bibliography in the scientific and practical work of the physician] Bibliografiia v nauchnoi i prakticheskoi rabote vracha. Moskva, Medgiz, 1963. 159 p.

BIBLIOGRAPHY—MERCHANT MARINE
Bookshelf. Rech. transp. 22 no. 6:40 Je '63.

BIBLIOGRAPHY—METAL CRYSTALS
List of works published in 1961 containing new data on crystal structures. A. Metals. Zhur. strukt. khim. 4 no. 4, 646-656 Jl-Ag '63.

BIBLIOGRAPHY—METEORITES
Bibliographical index of literature on meteoritics, vol. 9-10, 1950-1960. K. P. Massal'skaia. Meteoritika no. 23: 101-135 '63.

BIBLIOGRAPHY—MINING ENGINEERING
Foreign periodical literature. Gor. zhur. no. 8 3 of cover Ag '63.
New books on mining. Gor. zhur. no. 8:3 of cover Ag '63.

BIBLIOGRAPHY—MOTION-PICTURE PHOTOGRAPHY
Motion picture photography and projection. Tekh. kino i telev. 5 no. 7:84-87 Jl '61.

BIBLIOGRAPHY—MOTION-PICTURE PHOTOGRAPHY—FILMS
Motion-picture film and its photographic processing. Tekh. kino i telev. 5 no. 7:92 Jl '61.
Motion-picture film and its photographic processing. Tekh. kino i telev. 6 no. 4:89-92 Ap '62.

BIBLIOGRAPHY—MOTION-PICTURE PROJECTION
Motion picture photography and projection. Tekh. kino i telev. 5 no. 7:84-87 Jl '61.

BIBLIOGRAPHY—NATURAL HISTORY
Brief notes on books. Biol. v shkole no. 4:88, 94 Jl-Ag '63.

BIBLIOGRAPHY—OCEANOGRAPHY
Survey of literature on marine hydrologic and ice forecasts. A. F. Laktionov, Z. S. Romanovich. Probl. Arkt. i Antarkt. no. 13:137-144 '63.

BIBLIOGRAPHY—OPTICS
Optics and lighting engineering. Tekh. kino i telev. 6 no. 4:85-88 Ap '62.

BIBLIOGRAPHY—PERIODICALS
[Chronicle of periodical publications of the U. S. S. R., 1955-1960 in two parts] Letopis' periodicheskikh izdanii SSSR, 1955-1960 gg. v dvukh chastiakh, organ gosudarstvennoi bibliografii. Moskva, Izd-vo Vses. knizhnoi palaty.
Pt. 1. [Journals, transactions, and bulletins] Zhurnaly, trudy, biulleteni. 1963. 1024 p.

BIBLIOGRAPHY—PHARMACOLOGY
Bibliographical index of the main printed works of the Member of the Academy of Medical Sciences of the U. S. S. R. Professor V. V. Zakusov and his coworkers. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:367-385 '63.

BIBLIOGRAPHY—PHILOSOPHY
[New foreign literature on philosophy] Nov. inostr. lit. po filos. nos. 6-7 '63.
[New Soviet literature on philosophy] Nov. sov. lit. po filos. no. 7 '63.

BIBLIOGRAPHY—PHYSICAL GEOGRAPHY
"Morphological structure of a landform" by G. N. Amenskaia and others, "Methodological instructions on broad-scale field landform studies" by A. A. Vidina, "The theory of landform and physicogeographical regionalization" by A. G. Isachenko. Reviewed by K. I. Geronchuk. Izv. Vses. geog. ob-va 95 no. 4 375-377 Jl-Ag '63.

BIBLIOGRAPHY—PHYSICS
Levina, S. S. [Physics and chemistry; annotated index of popular scientific literature] Fizika i khimiia, ukazatel' nauchno-populiarnoi literatury. Izd. 3, dop. i perer. Moskva, Gos. biblioteka SSSR im. V. I. Lenina 1963. 150 p. (Knigi o prirode i ee zakonakh)
New books on physics. T. O. Vreden-Kobetskaia. Usp. fiz. nauk 80 no. 2:339-342 Je '63.

BIBLIOGRAPHY—PLANT DISEASES
From the pages of journals. R. Kh. Pul'son. Zashch. rast. ot vred. i bol. 8 no. 7 63 Jl '63.

BIBLIOGRAPHY—PLANTS, PROTECTION OF
Bookshelf. Zashch. rast. ot vred. i bol. 8 no. 5:52 My '63.
Bookshelf. Zashch. rast. ot vred. i bol. 8 no. 7 67 Jl '63.

BIBLIOGRAPHY—POLAND
[New literature on Poland] Nov. lit. po Pol'. nos. 5-6 '63.

BIBLIOGRAPHY—POWER ENGINEERING
Literature on industrial power engineering. Prom. energ. 18 no. 7 46 Jl '63.

BIBLIOGRAPHY—RAILROADS
[Literature on railroad transportation] Lit. po zhel. dor. transp. 12 no. 8 '61.

BIBLIOGRAPHY—RAILROADS—SIGNALING
Books on automatic control, remote control, and communications. Avtom., telem. i sviaz' 7 no. 8:48 Ag '63.

BIBLIOGRAPHY—RAILROADS—SURVEYING
Brief news. Trudy NIIZHT no. 30:101-104 '62

BIBLIOGRAPHY—REFRACTORY MATERIALS
Bibliography. Ogneupory 28 no. 8:384 '63.

BIBLIOGRAPHY—RELIGION
[New Soviet and foreign literature on the problems of religion and atheism] Nov. sov. i inostr. lit. po vop. rel. i ateiz. nos. 5-6 '63.

BIBLIOGRAPHY—RUMANIA
[New literature on Rumania] Nov. lit. po Rum. no. 7 '63.

BIBLIOGRAPHY—RUMANIAN LITERATURE
"Meridiana." A. Sidorov. V mire knig 3 no. 8:46 Ag '63.

BIBLIOGRAPHY—RURAL ELECTRIFICATION
From rural electrifiers. S. Leonov. V mire knig 3 no. 8:22-23 Ag '63.

BIBLIOGRAPHY—RUSSIAN LANGUAGE
New literature for Russian language teachers. Rus. iaz. v shkole 24 no. 3 112-117 My-Je '63.

BIBLIOGRAPHY—RUSSIAN LITERATURE
Akademiia nauk SSSR. Institut russkoi literatury. [History of Russian literature of the end of the 19th and beginning of the 20th century; a bibliography] Istoriia russkoi literatury kontsa XIX - nachala XX veka; bibliograficheskii ukazatel'. Pod red. K. D. Muratovoi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 518 p.
Guide to Soviet literature. N. Gel'fand. Vop. lit. 7 no. 7: 223-224 Jl '63.
Moscow. Publichnaia biblioteka. [The Moscow Public Library's want list of Russian publications: Books] Spisok otsutstvuiushchikh izdanii, razyskivaemykh bibliotekoi imeni V. I. Lenina: Knigi. Moskva.
No. 1. A - D. 1962. 279 p.

BIBLIOGRAPHY—SCIENCE
"Ekspress-informatsiia" of the All-Union Institute of Scientific and Technical Information. A. L. Shpolianskaia. Sov. bibl. no. 4:72-80 '63.
[Information bulletin of new foreign books, received by the Lenin Library. Series 1: Physical, mathematical, chemical, geological, and geographical sciences; technology and technological sciences] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1: Fiz.-mat., khim. i geol.-geog. nauki; tekh. i tekh. nauki 8 nos. 24, 27 Ag-S '63.
Kamenkovich, I. I. [Literature of science and technology in the bookstore] Nauchno-tekhnicheskaia literatura v knizhnom magazine. Moskva, "Iskusstvo," 1963. 98 p.
New books. Vest. AN SSSR 33 no. 9 108-110 S '63.

BIBLIOGRAPHY—SHEVCHENKO, TARAS, 1814-1861
Akademiia nauk URSR, Kiev. Biblioteka. [T. H. Shevchenko, bibliography of the literature on his life and works, 1839-1959] T. H. Shevchenko, bibliografiia literatury pro zhyttia i tvorchist', 1839-1959. Sktaty: I. Z. Belko ta inshi. Kyiv, Vyd-vo Akad. nauk URSR.
Vol. 2. 1917-1959. 1963. 421 p.

BIBLIOGRAPHY—SHIPBUILDING
Bibliography. Sudostroenie 29 no. 5:17, 30, 34, 36, 41, 45, 47, 56, 66 My '63.
Bibliography of shipbuilding. Sudostroenie 29 no. 7: 10, 47, 55, 70, 78 Jl '63.

BIBLIOGRAPHY—SIBERIA, WESTERN
Novosibirsk. Oblastnaia biblioteka. Otdel zonal'noi kraevedcheskoi bibliografii. [Literature on Western Siberia published in 1960] Literatura o Zapadnoi Sibiri, 1960 god. Novosibirsk 1962. 362 p.

BIBLIOGRAPHY—SOILS
Bibliography. Pochvovedenie no. 8:109-116 Ag '63.

BIBLIOGRAPHY—SOUND—RECORDING AND REPRODUCING
Sound recording and reproducing. Tekh. kino i telev. 5 no. 7 90-91 Jl '61.

BIBLIOGRAPHY—STANDARDIZATION
From technical periodicals. IU. Karpati. Standartizatsiia 27 no. 7:57-58 Jl '63.

BIBLIOGRAPHY—STATISTICS
New books on statistics and accounting. G. Aliutin. Vest. stat. no. 8:83-85 '63.

BIBLIOGRAPHY—SURVEYING
Bibliography. Geod. i kart. no. 8:78-80 Ag '63.

BIBLIOGRAPHY—TAJIKISTAN—ANTIQUITIES
Soviet literature on the archaeology of Tajikistan published in 1960. S. Ismailova, A. E. Pavlova. Trudy Inst. ist. AN Tadzh. SSR 34. Arkheol. rab. v Tadzh. SSR no. 8:156-160 '62

BIBLIOGRAPHY—TECHNOLOGICAL INNOVATIONS
For the information of the scientific and technical propaganda agencies. Inform. biul. VDNKH no. 5:36 My '62.

BIBLIOGRAPHY—TECHNOLOGY
Concerning a review of D. IU. Teplov's book "Technological bibliography in the U. S. S. R." D. IU. Teplov, V. B. Petrovskii, N. G. Starobinskaia. Sov. bibl. no. 4:98-105 '63.
"Ekspress-informatsiia" of the All-Union Institute of Scientific and Technical Information. A. L. Shpolianskaia. Sov. bibl. no. 4:72-80 '63.
[Information bulletin of new foreign books, received by the Lenin Library. Series 1: Physical, mathematical, chemical, geological, and geographical sciences; technology and technological sciences] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1: Fiz.-mat., khim. i geol.-geog. nauki; tekh. i tekh. nauki 8 nos. 24, 27 Ag-S '63.
Kamenkovich, I. I. [Literature of science and technology in the bookstore] Nauchno-tekhnicheskaia literatura v knizhnom magazine. Moskva, "Iskusstvo," 1963. 98 p.
New technological publication "Power engineering and transportation." Mor. flot 23 no. 6:44 Je '63.

BIBLIOGRAPHY—TELECOMMUNICATION
Bibliography. Elektrosviaz' 17 no. 7:77-80, p. 3 of cover Jl '63.

BIBLIOGRAPHY—TELEVISION
Television. Tekh. kino i telev. 5 no. 7:88-89 Jl '61.

BIBLIOGRAPHY—TELEVISION IN EDUCATION
Educational television. Tekh. kino i telev. 6 no. 4:77-81 Ap '62.

BIBLIOGRAPHY—TEXTILE INDUSTRY—LABOR PRODUCTIVITY
Recommended reading on shock workers and collectives of communist labor in the enterprises of the textile and knit goods industry. Tekst. prom. 23 no. 8:90-91 Ag '63.

BIBLIOGRAPHY—TITANIUM ALLOYS
Leningradskii dom nauchno-tekhnicheskoi propagandy. Nauchno-tekhnicheskaia biblioteka. [Mechanical working of titanium alloys; a bibliography] Mekhanicheskaia obrabotka titanovykh splavov; bibliograficheskii ukazatel'. Pod red. A. Sh. Shifrina. Leningrad, 1963. 16 p. (Its Serila: Mekhanicheskaia obrabotka metallov)

BIBLIOGRAPHY—UKRAINE—GAS, NATURAL
Kovalenko, K. O., and A. D. Ul'ianova. [Natural fuel gases of the Ukrainian S. S. R. and their uses; bibliographic index for 1917-1961] Pryrodni horiuchi gazy Ukrains'koi RSR ta ikh vykorystannia (1917-1961 rr); bibliograficheny pokazhchuk. Za red. I. M. Karpa. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 287 p.

BIBLIOGRAPHY—UKRAINIAN DRAMA (COMEDY)
Repertoire of amateur theaters. Ukraina no. 11 10 Jl '63.

BIBLIOGRAPHY—UZBEK LITERATURE
New books. M Shtromberg Uzbekistan 22 no 8 11 Ag '63

BIBLIOGRAPHY—VEGA CARPIO, LOPE FELIX DE, 1562-1635
Valuable bibliography on Lope de Vega. A. M. Tepen Sov. bibl. no. 4:94-97 '63.

BIBLIOGRAPHY—YUGOSLAVIA
[New literature on Yugoslavia] Nov. lit po IUg. no. 6 '63.

BIBLIOGRAPHY (THEORY, METHODS, ETC.)
Decisions of the June Plenum of the Central Committee of the CPSU and tasks of bibliographies of recommended literature. Sov. bibl. no. 4, 3-10 '63.

Second Methodological Conference on Bibliographies of Bibliographies. K. S. Nagel'-Arbatskii. Sov. bibl no. 4:111-114 '63.

Some problems in the method of compiling the book list "Chto chitat' dal'she." B. A. Smirnova. Sov. bibl. no. 4:46-55 '63.

Soviet of the All-Union Book Chamber. A. I. Kuznetsova. Sov. bibl. no. 4, 119-121 '63.

What practice tells us. L. IU. Sycheva, K. F. Shtriter. Sov. bibl. no. 1:41-45 '63.

BICILLIN
Importance of prophylactic methods of treatment for the prevention of rheumatic relapses and development of heart defects [with summary in English] Z. A. Zaitsman, N. N. Kuleshova. Terap. arkh. 35 no 1:94-98 Ja '63

BICYCLE RACING
Training a bicycle racer in a physical education collective for the Third Spartakiada of the Peoples of the U.S.S.R. N. D. Sinani. Teor. i prak. fiz kul't. 26 no. 6 20-22 Je '63

BIG BUSINESS see subdivision under Sweden

BILE DUCTS—DISEASES
Exocrine and endocrine function of the pancreas in chronic diseases of the liver and bile ducts [with summary in English]. E. P. Kulakova. Terap. arkh. 35 no 1:43-49 Ja '63

BILE DUCTS—SURGERY
End-to-end suture and canalization of the common bile duct following its total intersection. L. Kh. Mavzutov Kaz. med. zhur. no. 3 84 My-Je '63.

BILIARY TRACT—DISEASES
Importance of focal infection in the gallbladder and the biliary ducts in patients with infectious nonspecific polyarthritis in fangotherapy. A. A. Fivelskaia. Vop. kur. fizioter. i lech. fiz. kul't. 28 no. 2, 147-152 Mr-Ap '63.

Results of clinical analysis and prevention of combined diseases of bile ducts and the liver. B. D. Borevskaia Kaz. med. zhur. no. 3 25-28 My-Je '63

BILIRUBIN
Clinical evaluation of the determination of ether-soluble bilirubin for differential diagnosis in jaundices of various etiology. E. D. Polumordvinova, M. P. Sedlovets, T. M. Guseva. Kaz. med. zhur. no. 3 85-86 My-Je '63

BILLS OF LADING see subdivision under Poland

BINDING MATERIALS
Local binding materials and slag portland cement from slags obtained during the electric smelting of the semifinished products of the lead and zinc industries. V. V. Vershinina, I. I. Fedotova. Trudy Alt. GMNII AN Kazakh. SSR 14:150-159 '63.

Study of the dehydration of synthetic hydrosilicates, hydroaluminates, and sulfohydroaluminates of calcium. D. M. Kheiker, A. I. Zaikind Trudy NIIAsbestcementa no 11 3-41 '61.

Study of the processes of hardening of ash lime binders by X-ray analysis and by means of an electron microscope. P. G. Usov, N. S. Dubovskaia Izv. TPI 111 70-76 '61.

BIOCHEMISTRY
Pasynskii, A. G. [Biophysical chemistry] Biofizicheskaia khimiia. Moskva, Vysshaia shkola, 1963. 432 p.

BIOCHEMISTRY—ABSTRACTS
[Biochemistry] Ref. zhur.: Biol. khim. nos. 19-20 O '63.

BIOGEOCHEMISTRY
Biogeochemical provinces and their role in the organic evolution [with summary in English]. A. P. Vinogradov. Geokhimiia no. 3, 199-213 Mr '63.

Development of V. I. Vernadskii's theories. A. P. Vinogradov. Pochvovedenie no. 8:1-10 Ag '63.

BIOLOGICAL PRODUCTS—DRYING
Phytopathologic importance and the use of lyophilic desiccation of biological objects. B. G. Bolarskii. Dokl. TSKHA no. 62, 477-484 '61.

BIOLOGY—ABSTRACTS
[Biology] Ref. zhur.: Biol. no. 19 O '63.

BIOLOGY—BIBLIOGRAPHY see Bibliography—Biology

BIOLOGY—AUDIO-VISUAL AIDS
Outline drawings in biology lessons. M. I. Fedorenko, N. L. Danilenko. Biol. v shkole no. 1 39-42 Il-Ag '63

BIOLOGY—PHILOSOPHY
Secrets of nature. Fedir Korchatyi. Ukraina no. 15 10 Jl '63.

BIOLOGY—STUDY AND TEACHING
Educative significance of testing the knowledge of biology. A. M. TSuzmer Biol. v shkole no. 4 33-36 Jl-Ag '63

I support the suggestions of M. I. Mel'nikov. N. G. Podosinov. Biol. v shkole no. 1 15-16 Jl-Ag '63

Let's change the biology program and textbooks. F. S. Kokhmanuk. Biol. v shkole no. 4 43-45 Jl-Ag '63

Let's construct a biology program on an experimental basis. B. L. Biber. Biol. v shkole no. 1 18 Jl-Ag '63

Let's introduce a practical trend into the school courses of biology. N. A. Smirnov. Biol. v shkole no. 4 46-47 Jl-Ag '63

Methodology of biology or didactics of biology? B. V. Vsesviatskii. Biol. v shkole no. 4 5-8 Jl-Ag '63

Science based atheistic training in biology lessons. N. P. Tatkulina. Biol. v shkole no. 1 8-10 Jl-Ag '63

BIOLUMINESCENCE
Dependence of the intensity of extremely weak chemiluminescence of plants on the temperature and pH of the environment. R. Gasanov, T. G. Mamedov. Nauch. dokl. vys. shkoly; biol. nauki no. 3 88-92 '63

Differences in the luminescence of spores in Bacillus brevis and Actinomyces griseus [with summary in English]. IU. I. Denikhovskyi, O. M. Roskova. Mikrobiol. zhur. 25 no. 4 7-10 '63

Some patterns of the luminescence of plant tissues during vital lesions of the necrotic type. IU. I. Vlasov, E. I. Larina. Nauch. dokl. vys. shkoly, biol. nauki no. 3 166-170 '63.

BIOMATHEMATICS
Stereosomatic index of physical development. S. I. Uspenskii. Vop. antr. no. 12 55-71 '62.

BIOPHYSICS
Pasynskii, A. G. [Biophysical chemistry] Biofizicheskaia khimiia. Moskva, Vysshaia shkola, 1963. 432 p.

BIONICS
Bionics, a new science. L. B. Kaminir Biol. v shkole no. 1 72-76 Jl-Ag '63

Youth of an old science; alliance between animal morphology and technology. V. M. Belkovich, A. V. IAblokov Priroda 52 no. 8:20-30 Ag '63.

BIOTITE
Argon dating of biotites and their use in absolute geochronology. M. M. Rubinshtein Trudy Geol. inst. AN Gruz. SSR. Geol. ser. 13 233-253 '63

BIRCH see subdivision under Kostroma Province, Moscow Province, Polesye

BIRCH—DISEASES AND PESTS see subdivision under Virgin Territory

BIRDS—ANATOMY
Characteristics of the development of the brain in wild fowls related to the development of the organ of vision [with summary in English]. N. A. Mamilova Zool. zhur. 42 no. 8:1213-1222 '63.

BIRDS—FOOD
Food relationships of some passerines in the forests of the Moscow region [with summary in English]. A. A. Inozemtsev. Vest. LGU 18 no. 15, 152-155 '63.

BIRDS—PARASITES see Parasites—Birds

BIRDS, INJURIOUS AND BENEFICIAL
Birds as the defenders of cities. T. Kovpanenko. Doshk. vykh. 24 no. 6 28-30 Je '63.

BIRIUKOV, FEDOR IVANOVICH, 1908-1963
Fedor Ivanovich Biriukov, an obituary. Muk.-elev. prom. 29 no. 3 32 Mr '63

BISMUTH—ELECTROMETALLURGY
Anodic refining of bismuth in fused chloride electrolytes. I. G. Pavlenko, O. G. Zarubitskii, IU. G. Roms. Ukr. khim. zhur. 29 no. 6:647-650 '63.

BISMUTH ALLOYS—ELECTRIC PROPERTIES
Electric properties of ternary bismuth alloys. Part 1. L. I. Moklevskii, G. A. Ivanov. Uch. zap. Ped. inst. Gerts. 197:141-154 '58.

Electric properties of ternary bismuth alloys. Part 2. L. I. Moklevskii. Uch. zap. Ped. inst. Gerts. 197.155-159 '58.

BISMUTH ORGANIC COMPOUNDS
Alkenyl compounds of bismuth. A. E. Borisov, M. A. Osipova, A. N. Nesmeianov. Izv. AN SSSR, Ser. khim. no. 8:1507-1509 Ag '63.

BITING MIDGES see subdivision under Kazakhstan

BITUMEN
Results of comparison of bitumens in carbonaceous chondrites with bitumens in rocks. G. P. Vdovykin Meteoritika no. 23 56-61 '63

Watermelon and bitumen. IU. Medvedev. Priroda 52 no. 7 28-29, 40 '63.

BITUMEN—GEOLOGY see subdivision under Khibiny Mountains

BITUMEN—TRANSPORTATION
Efficiency of special destination trains for the transportation of petroleum bitumen. N. S. TSutkov, G. IA. Khaimov. Zhel. dor. transp. 45 no. 7:49-50 Jl '61.

Study of pressure losses as bituminous and bituminous mastics flow through pipes. B. V. Vedeneev Izv. v-s uchebn. zav., stroit. i arkhit. 6 no. 2:84-93 '63

BIYSK—AUDITING AND INSPECTION
Put the potentials of production in operation. N. Poliakov. Fin. SSSR 37 no. 6 72-76 Je '63.

BIYSK—FINANCE
Put the potentials of production in operation. N. Poliakov. Fin. SSSR 37 no 6 72-76 Je '63.

BIYSK—PUBLIC HEALTH
Work of the Public Representation Council at the Biysk Municipal Hospital No. 3. R. I. Garkusha. Sov. zdrav. 22 no. 6 40 '63.

BLACK SEA—GASTROPODA
Effect of Rapana bezoar Linne (Mollusca, Muricidae) on the fauna of the Black Sea. L. I. Draplkin. Dokl. AN SSSR 151 no. 3 700-703 Jl '63.

BLACK SEA—MARINE FAUNA
Effect of Rapana bezoar Linne (Mollusca, Muricidae) on the fauna of the Black Sea. L. I. Draplkin. Dokl. AN SSSR 151 no. 3 700-703 Jl '63.

BLACK SEA—SHRIMPS
Use the stocks of the prawn Leander adspersus of the Black Sea. B. N. Mikhailov Ryb. khoz. 39 no. 8 30-31 '63

BLACK SEA—URANIUM
Uranium sedimentation on the bottom of the Black Sea. S. Sh. Agamirov. Geokhimiia no. 1 89-93 Ja '63

BLACK SEA ECONOMIC REGION—AUDITING AND INSPECTION
We are mobilizing a supplementary income. V. Ul'ianov. Fin. SSSR 37 no 8, 62-64 Ag '63

BLACK SEA ECONOMIC REGION—MACHINERY INDUSTRY
Improve the organization of transportation and warehouse operations. R. Cherkas'kyi, M. Ampol'skyi. Ekon. Rad. Ukr. no. 1 37-42 Jl-Ag '63.

BLACK SEA REGION—ARSENIC
Arsenic in the Cimmerian iron ores of the Azov-Black Sea ore province [with summary in English]. T. I. Shnukov. Geokhimiia no. 1, 79-87 Ja '63

BLACK SEA REGION—FORESTS AND FORESTRY
Forests of the Black Sea Coast. I. P. Koval'. Les. khoz. 16 no. 2, 29-31 F '63.

BLACK SEA REGION—MERCHANT MARINE
Development of volunteer participation in the Black Sea basin. G. Vol'kenson. Mor. flot 23 no. 6, 35 Je '63

BLADDER—CANCER
Centering and selecting the irradiation fields in the therapy of bladder tumors using a large focus skin distance [with summary in English]. A. V. Kozlova, I. B. TSybul'skii, IU. kh. Sarkisian Med. rad. 7 no. 11 32-35 N '62.

BLAST FURNACES
Automatic control of the blast furnace process on the basis of statistical characteristics. I. A. Rylov. Stal' 23 no. 7, 588-593 Jl '63.

Effect of the reduction in the consumption of coke on conditions of gas dynamics in blast furnaces. A. A. Gimmel'farb, A. M. Lapa. Stal' 23 no. 7:593-597 Jl '63.

Liquid phase formation at the lower levels of blast furnaces. E. N. Tikhomirov, A. N. Pokhvisnev Stal' 23 no. 8 682-685 Ag '63.

New developments in research. L. M. Freidin, L. M. Rudakov. Stal' 23 no. 7:600 Jl '63.

New developments in research. V. F. Isupov, A. I. Beliakov. Stal' 23 no. 8:685 Ag '63.

Optimal conditions of blast furnace smelting. V. I. Loginov, A. N. Chechulo Stal' 23 no. 7:581-585 Jl '63.

Radiometric investigation of the tuyere zone in blast furnaces. V. P. Pevtsov, IU. M. Potebnia, A. A. Gimmel'farb. Stal' 23 no. 7:599-600 Jl '63.

Studying the flow of charge materials in blast furnaces during the smelting of Kamysh-Burun sinters. D. V. Bulyga, IA. S. Gorbanev, A. A. Cherepivskii. Stal' 23 no. 8:686-689 Ag '63.

BLAST FURNACES—COMBUSTION

Automatic control of combustion zones in blast furnaces. B.S. Fialkov, V.K. Gruzinov, B.N. Mikriukov Stal' 23 no 7 586-588 Jl '63.

BLAST FURNACES—DESIGN AND CONSTRUCTION

Improving the system of charge mixture feed in blast furnace plants. V.K. Gruzinov, V.V. Petrovskii. Izv. vys. ucheb. zav., chern. met. 6 no 7 39-46 '63.

Testing carbon blocks in iron tapping troughs in blast furnaces. A.A. Pirogov and others. Ogneupory 28 no. 8 368-370 '63

BLASTING

(see also subdivision under Sverdlovsk Province, Sweden)

Boring and blasting operations with increased parameters in some open-pit mines. A.A. Eshchenko Shor. nauch. trud. KGRI no. 7 162-171 '59.

Determining the mechanical constants of rocks in studying the seismic effect of blasting O.A. Barkovnikov, Sh.I. Blatov, L.V. Vinokurov Gor. zhur. no 8 28-29 Ag '63

Effect of short-delay blasting on the extent of the seismic effect of large-scale blasting B.V. Pozdnikov and others. Gor. zhur. no 8 25-28 Ag '63.

Means for improving boring and blasting work. V.I. Drozdov. Transp. stroi. 13 no 7 70-71 Jl '63.

Medvedko, A.I. [Boring and blasting operations] Burovzryvnye raboty Moskva, Gosgortekhizdat, 1963. 334 p.

Sukhanov, A.F., ed. [Boring and blasting operations] Burovzryvnye raboty. [By] A.F. Sukhanov i dr. Moskva, Gosgortekhizdat, 1962 242 p.

Theory of the outflow of gaseous blasting products from stopes. S.I. Lugovskii. Shor. nauch. trud. KGRI no. 7 172-186 '59.

Furuta, N.U. [Blaster in underground ore mining] Vzryvnik pri podzemnoi dobyche rud Moskva, Gosgortekhizdat, 1963. 159 p.

BLASTING—SAFETY MEASURES

Parfenov, V.M. [Safety manual for blasters (in open areas)] Pamiatka po tekhnike bezopasnosti dlia vzryvnika (na otkrytykh rabotakh). Izd 2, perer i dop Moskva, Gosstroiizdat, 1963. 29 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

BLEACHING

Using the decrepitation method for the bleaching of barite N.A. Kirzner, T.S. Ostroumova Lakokras. mat. i ikh prim. no 1 23-25 '63

BLIND—EDUCATION

Expectations did not come true F. Shoev. Nar. obr. no. 6:109-110 Je '63.

BLOOD—AGGLUTINATION

Detection of antibodies to adenoviruses by the method of passive hemagglutination reaction [with summary in English]. N.S. Diachenko. Vrach. delo no. 6:95-99 Je '63.

Importance of determining the activity of transaminases, aldolase, phosphatase, and the heterohemagglutination reaction in some forms of Botkin's disease. Sh.S. Khalfen, N.B. Tagieva, A.G. Vinogradova. Sov. med. 27 no. 7:102-105 Jl '63.

Indices of the agglutination reaction in the treatment of whooping cough with immune antiwhooping-cough gamma globulins. R.M. Brium. Ped., akush. i gin 25 no. 2: 18-21 '63.

BLOOD—ANALYSIS AND CHEMISTRY

(see also subdivision under Frunze)

Changes in the peripheral blood during radiotherapy [with summary in English]. E.V. Karibskaia, T.E. Matetskaia Med. rad. 7 no 11 39-45 N '62.

Effect of irritation of the cutaneous receptors by mustard plasters on the adrenergic and cholinergic properties of the blood. A.A. Kolpakov. Vrach. delo no. 8:119-120 Ag '63.

Leukemoid reaction following splenectomy in Werlhof's disease. R.Sh. Dashevskaia, V.V. Salamatina. Kaz. med. zhur. no. 3 80-81 My-Je '63.

BLOOD—CIRCULATION

Effect of some new alkaloids of the 1-methyl-pyrrolizidine series on the coronary blood flow in a dog. Kh.N. Nasritdinov, V.A. Karimov, I.K. Kamilov. Farm. alk. no. 1:263-267 '62.

Effect of the alkaloid tazettine and its derivative (methiodide) on the blood circulation. Kh.U. Aliev, I.K. Kamilov. Farm. alk. no. 1 196-201 '62.

State of the peripheral blood circulation in diencephalic syndromes of different etiology. R.I. Kazakevich, E.B. Gluzman. Vrach. delo no. 8:139-141 Ag '63.

BLOOD—CIRCULATION, DISORDERS OF

Clinical importance of analyzing the duration of the systolic phases in patients with circulatory insufficiency under the influence of acute strophanthin loads [with summary in English] V.I. Ostrovskaia. Kardiologiia 3 no. 3:70-72 My-Je '63.

More on the pharmacodynamics of nitroglycerin [with summary in English]. V.N. Dziak. Vrach. delo no. 6: 23-26 Je '63.

BLOOD—COAGULATION

Age related changes in the heat coagulation of human blood plasma. V.V. Alpatov, I.P. Obelnitskii. Vop. antr. no. 12 111-111 '62.

Filatov, A.N., and M.A. Kolovshchikova. [Coagulative system of the blood in clinical practice] Svertyvaiushchaia sistema krovi v klinicheskoi praktike Leningrad, Medgiz, 1963 159 p. (DNLM)

BLOOD—DISEASES

Evaluation of the fluorescence microscopy picture of the blood and bone marrow following roentgen irradiation [with summary in English] V.A. Kolpakov Med. rad. 7 no 11 50-53 N '62

BLOOD—TRANSFUSION

Substitution therapy at the peak of acute radiation sickness [with summary in English] A.N. Berkutov and others Med. rad. 7 no 11 59-65 N '62

Use of substitution blood transfusion in treating calculous anuria M.E. Fridman Sov. zdrav. Kir. no 3 58-60 My-Je '63

BLOOD PLASMA

Study of the lipolytic activity of the blood plasma in patients with atherosclerosis [with summary in English] M.V. Bavina, N.M. Lobova. Kardiologiia 3 no 3 53-57 My-Je '63

BLOOD PLATELETS

Methods of obtaining thrombocytes [with summary in English]. O.S. Sveshnikova. Vrach. delo no. 6:43-44 Je '63.

BLOOD PRESSURE

Dynamics of arterial pressure in vascular diseases of the brain with mental disorders O.E. Dekhtiar' Trudy 1-go MMI 21:380-386 '63.

Dynamics of venous and arterial pressure in various stages of atherosclerosis of the vessels of the brain with mental disorders. V.V. Gromova. Trudy 1-go MMI 21:322-335 '63.

Effect of vincamine hydroxypropylate (OPV) on arterial blood pressure and respiration. A.A. Vakhabov, M.B. Sultanov Farm. alk. no 1 127-132 '62

Venous pressure and its significance in the diagnosis and prevention of pathology in pregnancy. M.S. Serzhenko Kaz. med. zhur. no. 3 60-61 My-Je '63

BLOOD PRESSURE—MEASUREMENT

Simple method of determining venous pressure. V.E. Shefer. Vrach. delo no. 6:120-121 Je '63.

Splenomanometry and splenoportography as a method of diagnosis of portal hypertension M.P. Postolov. Kaz. med. zhur. no. 3 32-35 My-Je '63

BLOOD PROTEINS

Blood protein fractions and C-reactive protein in patients with chronic nonspecific pneumonia [with summary in English]. A.K. Shestnev. Vrach. delo no. 6:48-50 Je '63.

Change in the fractional composition of blood proteins in animals with Guerin's carcinoma during the administration of cortisone [with summary in English]. E.P. Sidorik, T.N. Iurkovskaia. Vop. onk. 9 no. 2:88-92 '63.

Changes in the correlation of protein fractions of the blood serum under the influence of tuberculin in pulmonary tuberculosis in children [with summary in French]. L.M. Pechuk, E.M. Pekurovskii. Probl. tub. no. 8:56-62 '62.

Changes of lipoproteins and protein fractions of the blood serum in pulmonary tuberculosis. V.A. Koriakin. Probl. tub. no. 8:49-55 '62.

Correlation between protein and lipoprotein fraction changes in hypertension and atherosclerosis and factors of hypertension and hypercholesteremia, problem of the unity of pathogenesis of hypertension and atherosclerosis [with summary in English]. G.V. Melik-Babakhanov. Kardiologiia 3 no. 3:56-62 My-Je '63.

Dynamics of protein fractions, lipo- and glycoproteins in the blood serum in various forms of acute appendicitis. A.B. Ostroumov. Kaz. med. zhur. no. 3:45-47 My-Je '63

Immunological characteristics of serum proteins in acute and chronic cholecystitis [with summary in English]. IU.S. Tatarinov, A.M. Nogailer. Terap. arkh. 35 no. 1:37-43 Ja '63.

Protein fractions of the blood serum in evaluating the activity of pulmonary tuberculosis. E.V. Zhmudskaia. Probl. tub. no. 8:42-49 '62.

Protein fractions of the blood serum in tuberculous meningitis in children [with summary in French]. L.D. Firsova. Probl. tub. no. 8:37-42 '62.

BLOOD SUGAR

Higher nervous activity in dogs and the sugar level of blood under conditions of a changed pathway of the discharge of hormones of the pancreas into the system of the portal vein. A.A. Abidov. Uzb. biol. zhur. 7 no. 3: 42-44 '63.

BLOOD VESSELS

Reactivity characteristics of the vascular system in women during normal pregnancy and late toxicoses of pregnancy [with summary in English] I.P. Ivanov, IU.F. Zmanovskii, Z.P. Aksenova. Sov. med. 27 no 7: 68-73 Jl '63

BLOOD VESSELS—DISEASES

Arteriography during obliterating processes in the peripheral vessels [with summary in English]. L.I. Epshtein. Vest. rent. i rad. 38 no. 2 20-25 Mr-Ap '63.

Vascular diseases and rheumatism at a psychiatric hospital and in autopsy V.P. Kushnlev. Trudy 1-go MMI 21 520-526 '63

BLOOD VESSELS—PERMEABILITY

Effect of synthetic derivatives of esculetin with vitamin P activity on vascular permeability and strength [with summary in English] L.S. Rudakova Uch. zap. inst. farm. i khimioter. AMN SSSR 3:316-335 '63.

BOARDING SCHOOLS

(see also subdivision under Rostov Province)

Training in a collective. M. Shumeiko. Nar. obr. no. 8: 111-114 Ag '63.

Vsesoiuznoe soveshchanie po shkolam-internatam, Moscow, 1957 [Verbatim report of the All-Union Congress on Boarding Schools] Stenograficheskii otchet Pod red. N.D. Kaz'mina Moskva, Gos. uchebno-pedagog. izd-vo, 1958. 149 p. (ICU)

BOATBUILDING

Glider vessels made of glass cement. K.L. Bilukovich, IU.L. Bilukovich. Sudostroenie 29 no. 7 44-47 Jl '63.

BODY TEMPERATURE

Changes in the temperature of the skin of the face in trigeminal neuralgia [with summary in English]. V.S. Mikhailovskii, D.G. Nalivnikо. Vrach. delo no. 8 80-83 Ag '63.

Intragastric temperature in patients with chronic gastritis [with summary in English]. I.V. Vavrik. Vrach. delo no. 6:51-53 Je '63

BOHR, NIELS HENRICK DAVID, 1885-1962

In memory of Niels Bohr. V.L. Ginzburg. Usp. fiz. nauk 80 no. 2, 207-214 Je '63.

The life and work of Niels Bohr. E.L. Feinberg. Usp. fiz. nauk 80 no. 2 197-205 Je '63.

Niels Bohr, eminent physicist of the 20th century. I.E. Tamm. Usp. fiz. nauk 80 no. 2, 191-195 Je '63.

BOILERS

Adjustment and operation of the TP-230-6 boiler with vertical cyclone preliminary furnaces operating on anthracite culm IU.L. Mar'shak and others Elek. sta. 34 no 6, 17-22 Je '63

Areas of the application of contact-type feed water economizers. I.Z. Aronov. Prom. energ. 18 no. 5 28-30 My '63.

Bucket-type hoist of the P.I. Shev'ev system. Prom. energ. 18 no. 5:64 My '63.

Causes of the decrease of evaporative capacity of boilers. A.K. Lyskii. Prom. energ. 18 no. 8:32-33 Ag '63.

Effect of feed water temperature on the operation of a boiler unit. N.I. Riabtsev. Prom. energ. 18 no 7 16-19 Jl '63.

Effect of ovality on the long-term strength of bent pipes. A.A. Zakharov, A.A. Ivanov. Energomashinostroenie 9 no. 6:33-34 Je '63.

Efficiency of boilers operating on gaseous fuel. B.IA. Chupakhin. Prom. energ. 18 no. 8, 33-35 Ag '63.

Experience in operating a steel water-tube heating boiler V.N. Zaets Trudy Ural. politekh. inst. no 108 87-90 '61

Heat emission and aerodynamic resistance of the heating surfaces of regenerative grid-type air heaters B.V. Latenko. Izv. vys. ucheb. zav., energ. 6 no. 8, 72-80 Ag '63

Internal drum separators for Shukhov-Berlin and Shukhov boilers. A.V. Valuev, K.P. Mynkin, G.M. Paper. Prom. energ. 18 no. 8 29-32 Ag '63.

Modernization of Sterling system boilers converted to operate on fuel oil with high sulfur content. L.S. Kigel', IU.B. Kliuev, V.D. Prosvirnin. Prom. energ. 18 no. 8:26-29 Ag '63.

Operation of boilers on unsorted anthracite. L.N. Voloshin Prom. energ. 18 no 7 19-21 Jl '63.

Operational reliability of high-pressure boiler and turbine equipment. R.V. TSukerman, A.P. Nikonov, V.M. Bykov. Energomashinostroenie 9 no. 6:27-30 Je '63.

Standard project of a heating industrial boiler system. A.M. Pruzhanskii. Prom. energ. 18 no. 7, 42-43 Jl '63.

BOILERS—EQUIPMENT AND SUPPLIES

Feed-water economizers, ash collectors, exhaust fans, and ventilators for DKVR boilers. Prom. energ. 18 no. 8:62-63 Ag '63.

Total flow measuring device. G.A. Sidel'nikov, E.V. TSvetkov. Elek. sta. 34 no. 6 80 Je '63

BOILERS, MARINE
(see also subdivision under Germany, West)

Analyzing the breakdown of marine boilers from the soiling of heating surfaces. Z. G. Rusakov Biul tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no 10 51-56 '62.

New state standard "Stoke hole refractories for boilers in the merchant marine." Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:117-119 '62

BOILERS, MARINE—COMBUSTION

Automatic gas analyzer. B. S. Karandashov. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10 28-32 '62

BOILERS, MARINE—MAINTENANCE AND REPAIR

Using kaolin daub in combustion chamber diffusors of auxiliary marine boilers. V TSigler, V. Bulakh, A. Cherkasov. Mor. flot 23 no 5, 31-33 My '63

BOKENBAEV, TUMABAI BOKENBAEVICH, 1907-1963

Tumabai Bokenbaevich Bokenbaev; an obituary. A. E. Elemanov and others. Vest. sel'khoz. nauki [Kazakh] 6 no. 5, 91-92 My '63.

BOKSHAI, IOSYP IOSYPOVYCH, 1891-

Kuz'il'tseva, V. V. Bokshai Iosif Iosifovich. Moskva, Sovetskii khudozhnik, 1962. 62 p (MIU)

BOL'SHAYA DANILOVKA REGION (KHARKOV PROVINCE)—FOREST ECOLOGY

Studying the interaction between oak and shrubs by means means of labeled phosphorus. I. N. Maiatskii. Les. khoz. 16 no. 2 15-17 F '63.

BOLTS AND NUTS

Multipositional nut driver for large thread units A M. Maizel Energomashinostroenie 9 no 6:30-32 Je '63.

Semiautomatic control of the dinking and cogging of self-centering nut slots. B L. Smolenskii, M. A. Rokhlenko. Kuz.-shtam. proizv. 5 no. 7:40-41 Jl '63.

BOMBARDMENT WITH PARTICLES see Collisions (Nuclear physics)

BONCH-BRUEVICH, MIKHAIL ALEKSANDROVICH, 1888-

M. A. Bonch-Bruevich; on his 75th birthday. Radiotekhnika 18 no. 6 78-79 Je '63.

BONCH-BRUEVICH, VLADIMIR DMITRIEVICH, 1873-1955

The Bonch-Bruevich archives. S. V. Zhitomirskaia, L. V. Gapochko, B. A. Shlikhter. Zap. Otd. ruk no. 25, 7-79 '62.

Lenin's companion-in-arms, scientist and atheist. IU. Kogan, K. Surikova. Nauka i rel. 4 no. 7-52-57 Jl '63.

BONDS, CHEMICAL see Chemical bonds

BONE

"Bone as a tissue" [in English] edited by K. Rodahl, J. T. Nicholson, E. M. Brown. Reviewed by B. A. Nikitiuk. Vop. antr. no. 12:155-156 '62.

BONES

Methods of spectrographic determination of manganese in bones. L. A. Prybluda. Vestsi AN BSSR, Ser. biial. nav. no. 1:64-66 '63.

Pashkova, V. I. [Essays on medicolegal osteology; determination of sex, age and growth according to human skeletal bones] Ocherki sudebnomeditsinskoi osteologii; opredelenie pola, vozrasta i rosta po kostiam skeleta cheloveka. Moskva, Medgiz, 1963. 153 p. (DNLM)

BONES—CANCER

Histogenesis of adamantinoma of long tubular bones [with summary in English]. V. I. Stetsula. Vop. onk. 9 no. 2:73-83 '63.

BONES—FRACTURE

State of the cardiovascular system in elderly patients following fracture of the hip and leg bones. E. M. Fedorova. Sov. med. 27 no. 7:39-41 Jl '63.

BONUS SYSTEM

Issuing bonuses for the manufacture of high-quality goods. N. Garetovskii. Sov. profsoiuzy 19 no. 14:43-15 Jl '63.

Material self-interest and reducing the waste. V. Veretennikov. Sots. trud 8 no. 6:47-49 Je '63.

Unsettled problems in issuing bonuses to the workers of design and planning organizations. N. Shteinpress Sots. trud 8 no. 8:50-51 Je '63.

Utilize more fully economic incentives for speeding up technological progress. E. Vasil'ev, I. Vakhlamov. Plan. khoz. 40 no. 9:10-15 S '63.

BOOK INDUSTRIES—EXHIBITIONS

Soviet publications. Inform. biul. VDNKH no. 5:31-32 My '62.

BOOKPLATES

Little masterpieces. Evgenii Minaev. Kul't. i zhizn' 7 no. 5, 46-47 '63.

BOOKS AND READING

Reader's taste. L. Kovaleva. V mire knig 3 no. 8:41-42 Ag '63.

BOOKSELLERS AND BOOKSELLING

Kamenkovich, I. I. [Literature of science and technology in the bookstore] Nauchno-tekhnicheskaia literatura v knizhnom magazine Moskva, "Iskusstvo," 1963. 98 p.

BORATES—ABSORPTION SPECTRA

Crystal chemical properties and infrared absorption spectra of borates and borosilicates I I Plusnina, IU. A Khaitonov Zhur. strukt. khim 4 no 4 555-560 Jl-Ag '63

BORAZINE

Polycondensation of B-trichloroborazole with bifunctional compounds [with summary in English] V. V Korshak and others Vysokom. soed. 5 no 8, 1127-1129 Ag '63

BORDEAUX MIXTURE

Mist spraying in grape nurseries Kh. N. Zeilikman. Zashch. rast. ot vred. i bol. 8 no 7 28-29 Jl '63

BORIC ACID

Polyesters of boric acid. V. V. Korshak and others. Izv. AN SSSR, Ser. khim. no. 8:1496-1502 Ag '63.

BORING
(see also subdivision under Aramat, Krivoy Rog Basin)

Boring and blasting operations with increased parameters in some open-pit mines. A. A. Eshchenko. Sbor. nauch. trud. KGRI no. 7:162-171 '59.

Determining the frictional force in the movement of drilling pipes in deep slightly deflected holes. M. M. Aleksandrov. Razved. i okh. nedr 29 no. 7:32-37 Jl '63.

Ivanov, K. I., and others. [Boring holes in underground mining of ores] Burenie shpurov i skvazhin pri podzemnoi dobyche rud. Moskva, Gosgortekhizdat, 1963. 130 p.

Maramzin, A. V. [Boring holes in frozen rock for the purpose of geological prospecting] Opyt burenila geologorazvedochnykh skvazhin v merzlykh porodakh. Moskva, Gosgeoltekhizdat, 1963 71 p.

Means for improving boring and blasting work. V. I. Drozdov. Transp. stroi 13 no. 7, 70-71 Jl '63.

Medvedko, A. I. [Boring and blasting operations] Burovzryvnye raboty Moskva, Gosgortekhizdat, 1963. 334 p

New developments in shot drilling using flushing fluids. V. P. Derusov, V. A. IAroshenko. Sbor. nauch. trud. KGRI no. 20 85-97 '63.

Problems in the economic efficiency of using thermal drilling in open-pit workings. N. Nifazov. Nauch. trudy MGI no. 43:75-00 '62.

Sukhanov, A. F., ed. [Boring and blasting operations] Burovzryvnye raboty. [By] A. F. Sukhanov i dr. Moskva, Gosgortekhizdat, 1962. 242 p.

BORING MACHINERY

Boring with cast shot boring bits. M. A. Chopikashvili. Izv. vys. ucheb. zav.; tsvet. met. 6 no. 3:16-21 '63.

Drilling rig for drilling holes with a roller bit. N. I. Kachura and others. Gor. zhur. no. 8:75 Ag '63

New bits for rotary drilling rigs. M N Semenov. Gor. zhur no. 8 71 Ag '63

New highly-stable bit for cable drilling. N. I. Pavlenko. Sbor. nauch. trud. KGRI no. 7:251-255 '59.

Practice of using a ZIF-650A rig to drill deep holes. N. I. Frolov, G. T. Varlamov, IA. Pishok. Razved. i okh. nedr 29 no. 7:56-58 Jl '63.

BORODINO (MOSCOW PROVINCE)—GUIDEBOOKS

[Borodino: tourist base and routes for tourist hikes and excursions] Borodino: turbaza, marshruty turistskikh pokhodov i ekskursii. [Moskva] Profizdat, 1963, 17 p.

BORON
(see also subdivision under Ural Mountains)

Determining B_2O_3 in synthetic boric micas by the neutron absorption method. N. G. Egorov, L. A. Sukhova. Trudy NIIAsbestsementa no 11:114-118 '61.

BORON—ANALYSIS

Methods for determining boron in steels and alloys (survey). P. IA. IAkovlev, G. V. Kozina Zav. lab 29 no. 8:920-922 '63.

BORON BROMIDES

Organoboron compounds. Report No. 110: Action of boron tribromide on olefinic hydrocarbons. B. M. Mikhailov, M. E. Nikolaeva. Izv. AN SSSR, Ser. khim. no. 8:1368-1373 Ag '63.

BORON COMPOUNDS

Kinetics of desorption of boron trifluoride from some of its complex compounds. A. V. Makarov, G. M. Panchenkov. Vest. Mosk. un. Ser. 2 Khim. 18 no. 4:46-49 Jl-Ag '63.

Use of the phenol complex of boron fluoride for the production of coumaron-indene resins. L. I. Karlinskii, Z. A. Buchkina. Koks i khim. no. 8:47-51 '63.

BORON FLUORIDE

Kinetics of desorption of boron trifluoride from some of its complex compounds. A. V. Makarov, G. M. Panchenkov. Vest. Mosk. un. Ser. 2 Khim. 18 no. 4:46-49 Jl-Ag '63.

BORON ISOTOPES

Isotopic composition of boron in nature [with summary in English]. IU. P Shergina, A B Kaminskaia. Geokhimiia no. 8 725-731 Ag '63

BORON ORGANIC COMPOUNDS

Boronium salts from 1-chloroboracycloheptane. B. M. Mikhailov, T. K. Kozminskaia. Izv. AN SSSR. Ser. khim. no. 9:1703 S '63.

Organoboron compounds. Report No 118: Ethanediboronic acids and some of their derivatives. B M Mikhailov, P M Aronovich. Izv. AN SSSR. Ser. khim. no 7:1233-1239 Jl '63.

Reaction of 1, 2-diphenyldiborane with amines and organoboradiamines. V. V Korshak and others. Izv. AN SSSR. Ser. khim. no. 9 1645-1648 S '63.

BORON SALTS

Boronium salts from 1-chloroboracycloheptane. B. M. Mikhailov, T. K. Kozminskaia. Izv. AN SSSR. Ser. khim no. 9:1703 S '63.

BORONIC ACIDS

Organoboron compounds. Hydroboration of the dimethyl ester of allylboronic acid. B. M. Mikhailiv, V. F. Pozdnev, V. G. Kiselev. Dokl. AN SSSR 151 no. 3 577-579 Jl '63.

BOROSILICATES—ABSORPTION SPECTRA

Crystal chemical properties and infrared absorption spectra of borates and borosilicates I I Plusnina, IU A Khaitonov Zhur. strukt. khim 4 no. 4 555-560 Jl-Ag '63

BOSPORUS, CIMMERIAN (KINGDOM) see Cimmerian Bosporus (Kingdom)

BOTANY see subdivision under Carpathian Mountains; Kamchatka, Oblast region (Leningrad Province); Pskov Province

BOTANY—ANATOMY

Anatomic structure of the rhubarb Rheum Wittrockii Lundstr R G Medvedeva, L. A. Khovina. Trudy Inst bot. AN Kazakh SSR 15 163-177 '63

BOTANY—AUDIO-VISUAL AIDS

How to compile determination cards and use them during the study of flowering plants. L. G Kononova Biol v shkole no 4 11-15 Jl-Ag '63

BOTANY—CONGRESSES

Tenth International Botanical Congress in Edinburgh (Scotland). Bot. zhur. 18 no. 7 1092-1093 Jl '63.

BOTANY—DICTIONARIES

Dictionary of plant names of the family Leguminosae. S A Arystangaliev Trudy Inst. bot. AN Kazakh SSR 15 237-266 '63

BOTANY—ECOLOGY see subdivision under Arctic regions

BOTANY—EMBRYOLOGY

Anatomicomorphological structure of the embryo and seedlings of Rhaponticum carthamoides (Willd) Iljin [with summary in English]. M. Valikhanov. Vest. LGU 18 no. 15:22-28 '63.

Comparative embryological study of diploid and tetraploid forms of the radish. IA. I. Tarasevich. Vestsi AN BSSR. Ser. biial. nav. no. 1:42-46 '63.

Initial phases of embryogenesis of Podophyllum Emodi Wall. E. S. Smirnova. Dokl. TSKHA no. 62 221-229 '61.

BOTANY—JUVENILE LITERATURE

Aleksandrov, B. A. [Stories about green friends] Rasskazy o zelenykh druz'iakh. [Moskva] Mosk. rabochii, 1963. 191 p.

BOTANY—MORPHOLOGY

Features of the organogenesis of the VIR 25 hybrid and its parent varieties. P. Diakonu. Dokl. TSKHA no. 62 153-162 '61.

BOTANY—NOMENCLATURE see subdivision under Turkmenistan

BOTANY—PHYSIOLOGY see Plant physiology

BOTANY—STUDY AND TEACHING

At the scientific educational section of the All-Union Botanical Society. A P Belavskaia. Bot. zhur 48 no. 7:1091 Jl '63.

BOTANY—VARIATION

Wheat variation in sowing embryonically young seeds. B. D. Fainbron. Dokl. TSKHA no. 62:119-124 '61.

BOTANY, ECONOMIC
(see also subdivision under Turkmenistan)

Geobotany at the Second Interuniversity Conference "Contribution of Universities to Agriculture." B. M. Mirkin, V. S. Ipatov. Bot. zhur. 48 no. 7, 1085-1090 Jl '63

BOTANY, MEDICAL
(see also subdivision under White Russia)

Medicinal plants. O. Chykin. Rab. i sial. 39 no. 6:21 Je '63.

BRIDGES (Continued)

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.
Pt. 2, Sec. D, ch. 7. [Bridges and culverts, standards of design] Mosty i truby, normy proektirovaniia (SNiP II-D. 7-62). 1963. 62 p.

Using floating crane bridges on 45m gantry cranes. V.S. Rozhkin. Transp. stroi. 13 no. 7, 14-15 Jl '63.

BRIDGES—DESIGN AND CONSTRUCTION

Critical speed of the movement of a load supported on springs along a beam. S.I. Gonsharenko. Izv. vuzov, stroi. i arkhit. 6 no. 2, 19-25 '63.

BRIDGES—FOUNDATIONS AND PIERS

Kozhetsov, N.I. [Supports and foundations] Opory i fundamenty. Moskva, Avtotransizdat, 1963. 39 p. (V pomoshch' rabochemu-mostoviku).

Prefabricated elements for the supports of large and medium-sized bridges. V.N. Kutsenko. Transp. stroi. 13 no. 6, 15-16 Je '63.

BRIDGES, CONCRETE
(see also subdivision under Yugoslavia)

Calculating the terminal sections of slabs for the thoroughfare part of span structures of bridges without diaphragms. V.I. Rutenko. Transp. stroi. 13 no. 6, 61-63 Je '63.

"Examples of the design of precast reinforced-concrete bridges" by V.V. Rozanskii, B.P. Nazarenko, N.A. Slavinskii. Transp. stroi. 13 no. 6, 71-75 Je '63.

BRIQUETS (FUEL)

Economic efficiency of using lignite briquets for communal and household needs of the people. V.IA. Pykhtin. Nauch. trudy MGI no. 43, 81-85 '62.

BRIUSOV, VALERII AKOVLEVICH, 1873-1924

The literary legacy of V.IA. Briusov and his archives. E.N. Konshina. Zap. Otd. rukp. no. 25, 80-142 '62.

BROACHING MACHINES

Automatic broaching machine for machining bimetallic bushings. O.V. Zhilinskii and others. Vest. mashinostr. 43 no. 8, 57-60 Ag '63.

The 7B510 horizontal broaching machine. A.A. Vodop'ianov. Mashinostroitel' no. 7, 19 Jl '63.

BRODOKALMAK—EVENING AND CONTINUATION SCHOOLS

Rural school. G. Firos. Nar. obr. no. 6, 84-86 Je '63.

BROILERS (POULTRY) see subdivision under Crimea

BROMINE

Effect of oxygen-containing additions on the mechanism underlying the reaction of benzyl mercury chloride with bromine in carbon tetrachloride. I.P. Beletskaia, T.A. Arzigian, O.A. Reutov. Izv. AN SSSR Ser. khim. no. 7, 1332-1333 Jl '63.

BROMOFORM

Flow birefringence of polystyrene solutions in bromoform [with summary in English]. V.G. Baranov, S.IA. Magarik. Vysokom. soed. 5 no. 7, 1072-1079 Jl '63.

BRONCHI

Variations of the development of the tracheobronchial tree. B.K. Sharov. Vest. rent. i rad. 38 no. 2, 60-61 Mr-Ap '63.

BRONCHI—CANCER

Limited organic inflammatory foci and their differential diagnosis in distinguishing them from bronchial cancer [with summary in English]. A.G. Baranova, IU.V. Chermenskii. Vop. onk. 9 no. 2, 48-53 '63.

BRONCHI—RADIOGRAPHY

Role of bronchography in chronic pneumonias in children. V.A. Platonova. Vest. rent. i rad. 38 no. 2, 60 Mr-Ap '63.

Simultaneous bronchoscopy and bronchography under local anesthesia in pulmonary tuberculosis. IU.M. Guzeev. Probl. tub. no. 8, 105-106 '62.

BRONCHI—TUMORS

Bronchial adenoma and the methods of its treatment [with summary in English]. S.D. Pletnev. Vop. onk. 9 no. 2, 41-48 '63.

BRONCHOSCOPY

Bronchial adenoma and the methods of its treatment [with summary in English]. S.D. Pletnev. Vop. onk. 9 no. 2, 41-48 '63.

Simultaneous bronchoscopy and bronchography under local anesthesia in pulmonary tuberculosis. IU.M. Guzeev. Probl. tub. no. 8, 105-106 '62.

BRONZE AGE see subdivision under Pamirs

BRUCELLA

Experimental infection of gamasid mites, lice and fleas with Brucella. M.M. Rementsova and others. Trudy Inst. zool. AN Kazakh. SSR 19, 226-233 '63.

BRUCELLOSIS—PREVENTION

Prevention of brucellosis. M.D. Krylova. Zdorov'e 9 no. 5, 20-21 My '63.

BRUSHES, ELECTRIC

Effect of specific pressure on the life of electric brushes. P.S. Lezhnin. Vest. elektropromy. 34 no. 8, 46-48 Ag '63.

BRUSSELS—EXHIBITIONS

Nikolaev, I.S., and N.P. Mel'nikov. [The World Fair in Brussels in 1958] Vsemirnaia vystavka v Briussele 1958, arkhitektura, konstruktivnye formy pravilonov. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1963. 314 p.

BRYANSK PROVINCE—AUTHORS

Novozybkov. Gosudarstvennyi pedagogicheskii institut. Kafedra russkoi i zarubezhnoi literatury. [Writers of the land of Bryansk] Pisateli Briianskogo kraia. [n.p.] Izd-vo "Brianskii rabochii," 1963. 199 p.

BRYANSK PROVINCE—EVENING AND CONTINUATION SCHOOLS

Considering the local conditions. I.P. Apanasenko. Vech. sred. shkola 6 no. 3, 76-78 My-Je '63.

BRYANSK PROVINCE IN LITERATURE

Novozybkov. Gosudarstvennyi pedagogicheskii institut. Kafedra russkoi i zarubezhnoi literatury. [Writers of the land of Bryansk] Pisateli Briianskogo kraia. [n.p.] Izd-vo "Brianskii rabochii," 1963. 199 p.

BUBBLE CHAMBERS

Fluctuations of electron-photon showers in xenon [with summary in English]. B. Nichiporuk, Z.S. Strugal'skii. Zhur. eksp. i teor. fiz. 45 no. 2, 413-417 Ag '63.

Inelastic interaction of 2.66 Bev, π-mesons with carbon nucleons and nuclei [with summary in English]. G.I. Merzon, L.P. Kotenko. Zhur. eksp. i teor. fiz. 45 no. 2, 418-425 Ag '63.

Measuring the radiosensitivity zone boundary for propane. IU.A. Alekandrov, N.B. Delone. Prib. i tekh. eksp. 8 no. 3, 64-65 My-Je '63.

Measuring the rate of growth of bubbles in a propane chamber. IU.A. Aleksandrov, G.S. Voronov, N.B. Delone. Prib. i tekh. eksp. 8 no. 3, 62-63 My-Je '63.

BUBBLES

Determining the shape of a gas bubble in axisymmetric liquid flow. O.M. Kiselev. PMTF no. 3, 117-119 My-Je '63.

BUCKWHEAT

A boot on buckwheat. N.S. Strota, E.IA. Selina. Zemledelie 25 no. 7, 92-93 Jl '63.

Krotov, A.S. [Buckwheat] Grechikha. Moskva, Sel'khozizdat, 1963. 253 p. (DNAL)

Pollination of buckwheat in field conditions. Z.P. Pausheva. Dokl. TSKHA no. 62, 177-180 '61.

BUCKWHEAT BREEDING

Intervarietal hybrids of buckwheat. G.V. Priezzhev. Dokl. TSKHA no. 62, 171-175 '61.

BUDA-KOSHLEVO DISTRICT—STOCK AND STOCK-BREEDING

Industrious work. M. Zhura. Rab. i sial. 39 no. 6, 11 Je '63.

BUDGET
(see also subdivision under: Moscow; Rostov-on-Don)

Account more fully for potentials in the draft budget for 1964-1965. V. Sitnin. Fin. SSSR 37 no. 8, 8-14 Ag '63.

Planning and the organization of carrying out local budgets under the new conditions. I. Sosin. Fin. SSSR 37 no. 6, 28-33 Je '63.

Role of the budget in the industrial development of Uzbekistan. Kh.R. Sabirov. Nauch. zap. Tashk. fin.-ekon. inst. no. 14, 3-14 '61.

BUDNYI, SIMON, d. 1593

The methods of a study on the history of White Russian social theories in the 16th century. V.K. IAkubskii. Vest. LGU 18 no. 14, 118-120 '63.

BUDS

Some anatomic characteristics of the development of axillary buds in clover [with summary in English]. V.N. Iurtsev. Izv. TSKHA no. 3, 220-223 '63.

BUG VALLEY—SERPENTINE—TESTING

Physical properties of serpentines from the area of the central Bug Valley. V.I. Shapoval. Geofiz. sbor. no. 4, 25-32 '63.

BUILDING see subdivision under White Russia

BUILDING—ABSTRACTS

[Journal of abstracts: Construction and architecture] Ref. zhur.: Stroi. i arkhit. 5 no. 5 '63.

BUILDING—DETAILS

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.
Pt. 1, Sec. V, ch. 21. [Fixtures for windows, doors, gates, and lamps] Pribory dlia okon, dverei, vorot i peripletov fonarei (SNiP I-V. 21-62). 1963. 9 p.

BUILDING—REPAIR AND RECONSTRUCTION

Experiment in increasing the rigidity of an existing building situated in a zone influenced by settling during the construction of subway stations. V.P. Podolnyi. Sbor. trud. LIIZHT no. 18, 61-77 '62.

BUILDING—SAFETY MEASURES

Criminal liability for the violation of safety measures in the construction of buildings. N. Kuznetsova. Sov. trud. no. 9, 18-20 My '63.

Profsoiuz rabochikh stroitel'stva i promyshlennosti stroitel'nykh materialov. [Model programs for developing safety measures for workers and testing employees' knowledge of safety procedures in construction] Primernye programmy po obucheniiu rabochikh bezopasnym metodam truda i proverke znanii inzhenerno-tekhnicheskikh rabotnikov po tekhnike bezopasnosti v stroitel'stve. Utverzhdeny TsK profsoiuza rabochikh stroitel'stva i promyshlennosti stroitel'nykh materialov 17 iiunia 1962 g. Moskva, Gosstroizdat, 1963. 96 p.

BUILDING—STUDY AND TEACHING see subdivision under Minsk

BUILDING—TECHNOLOGICAL INNOVATIONS

Builders improve production. Stroitel' 9 no. 5, 8-11, 14-15, 18-19 My '63.

Every brigade should make use of advanced work methods. Stroitel' 9 no. 5, 24 My '63.

BUILDING LAWS

Investigating the overestimation of the volume and cost of construction work. Z. Baranova, I. Surgutov. Sots. zakon. 10 no. 7, 50-53 Jl '63.

There should be uniform rules on major construction work on collective farms. N. Litvinov. Sov. iurist. no. 11, 15-16 Jl '63.

BUILDING MATERIALS

"Arbolit", a new building material. G.M. Rozit, G.F. Iuzbashev. Transp. stroi. 13 no. 6, 65-66 Je '63.

Characteristics of long-term planning for the manufacture of interchangeable kinds of products (after the example of building materials). V.G. Tel'tsov. Trudy NIIAsbestsementa no. 11, 103-116 '62.

Take care of building materials. T. Azimov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5, 11 My '63.

BUILDING MATERIALS INDUSTRY see subdivision under Tajikistan

BUILDING MATERIALS INDUSTRY—SAFETY MEASURES

Makhnovich, A.T. [Safety manual for workers subjected to vibrations while servicing equipment] Pamiatka po tekhnike bezopasnosti dlia rabochikh, podvergaiushchikhsia vibratsii pri obsluzhivanii oborudovaniia. Izd. 2., perer. i dop. Moskva, Gosstroizdat, 1963. 29 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov).

BUILDINGS, PREFABRICATED

Accuracy of laying out prefabricated buildings. V.K. Miskovets. Geod. i kart. no. 8, 31-36 Ag '63.

BUKACHACHA—COAL MINES AND MINING—SAFETY MEASURES

Effect of mining systems and their elements on the amount of accidents. I.A. Ivanenko. Ugol' Ukr. prom. 7 no. 7, 17-20 Jl '63.

BUKHARA PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Public participation in ideological education. U. Kamilov. Partizhizn' [Uzb.] 6 no. 7, 21-24 Jl '63.

BUKHARA PROVINCE—POULTRY PLANTS

An egg and meat factory. N. Ubaidaev. Partizhizn' [Uzb.] 6 no. 7, 77-79 Jl '63.

BUKHARA PROVINCE—SALTWORT

Biology of flowering and fruiting of Salsola arbuscula Pall. V.I. Konycheva. Uzb. biol. zhur. 7 no. 4, 42-45 '63.

BUKOVINA—CORN (MAIZE)

Studying the effectiveness of herbicides in corn fields. V.IU. Arkusha. Visnyk sil'hosp. nauky 6 no. 8, 49-52 Ag '63.

BUKOVINA—FUNGI, PHYTOPATHOGENIC

Coccomyces infection of stone fruit. I. Zerbele, I.N. Luk'ianova. Zashch. rast. ot vred. i bol. 8 no. 5, 20-21 My '63.

BUKOVINA—LEGUMES—DISEASES AND PESTS

Snout beetles of the genus Apion Herbst. connected with the leguminous plants in Chernovtsy Province [with summary in English]. L.G. Khrolinskii. Zool. zhur. 42 no. 8, 1175-1182 '63.

BUKOVINA—ROTATION OF CROPS

Water balance of soil and some problems concerning cultivation practices for winter wheat sown after peas. M.M. Martynovych, L.I. Martynovych. Visnyk sil'hosp. nauky 6 no. 8, 31-39 Ag '63.

BUKOVINA—SOIL MOISTURE

Water balance of soil and some problems concerning cultivation practices for winter wheat sown after peas. M.M. Martynovych, L.I. Martynovych. Visnyk sil'hosp. nauky 6 no. 8, 31-39 Ag '63.

BUKOVINA—TRACTORS—MAINTENANCE AND REPAIR
Maintenance service according to schedule. F. Lakodei. Tekh v sel'khoz. 23 no. 5 51-53 My '63

BUKOVINA—WEED CONTROL
Studying the effectiveness of herbicides in corn fields. V. IU. Arkusha. Visnyk sil'hosp nauky 6 no 8 49-52 Ag '63

BUKOVINA—WEEVILS
Snout beetles of the genus Apion Hbst, connected with the leguminous plants in Chernovtsy Province [with summary in English]. L. G. Khrolinskii. Zool. zhur. 42 no. 8,1175-1182 '63.

BUKOVINA—WHEAT
Water balance of soil and some problems concerning cultivation practices for winter wheat sown after peas. M. M. Martynovych, L. I. Martynovych. Visnyk sil'hosp. nauky 6 no. 8 31-39 Ag '63

BULBS see subdivision under Kirghizistan

BULGARIA—ARMY
Iliukhin, N. V. [Bulgarian People's Army] Bolgarskaia Narodnaia armiia. Moskva, Voenizdat, 1963. 87 p.

BULGARIA—BEECH
Types of beech forests in the Petrokhanskoye Ushcheliye Forest Working Circle (Bulgaria). D. I. Gorelkov. Dokl. TSKHA no. 62:455-460 '61.

BULGARIA—BIBLIOGRAPHY
[New literature on Bulgaria] Nov. lit. po Bolg. no. 7 '63.

BULGARIA—CAPITAL INVESTMENTS
Organization of bank control over capital investments in the People's Republic of Bulgaria. K. Danov. Fin. SSSR 37 no 8:85-90 Ag '63.

BULGARIA—COMMUNIST PARTY
Bulgarian Communist and the Spanish civil war. R. P. Grishina. Vop. ist. 38 no. 7:181-185 Jl '63.
Public participation. Boris Belchev. Part. zhizn' no. 16 70-74 Ag '63.

BULGARIA—DESCRIPTION AND TRAVEL
Elsner, A. V. [My sister Bulgaria, sketches] Sestra moia Bolgariia, ocherki. Moskva, Sovetskii pisatel', 1963. 213 p.

BULGARIA—ECONOMIC POLICY
Problems of planning the Bulgarian economy in the journal "Planovo stopanstvo i statistika." N. Vylev. Plan. khoz. 40 no. 9:91-95 S '63.
Public participation. Boris Belchev. Part. zhizn' no. 16 70-74 Ag '63.

BULGARIA—GRAIN TRADE
Grain elevators and storages, the flour milling and mixed feed industry in Bulgaria. Muk.-elev. prom. 29 no. 3 28-29 Mr '63

BULGARIA—HISTORY
The 85th anniversary of the liberation of Bulgaria from the Turkish yoke. A. M. Orekhov. Vop. ist. 18 no. 7: 163-164 Jl '63.
Sidel'nikov, S. I. [Conflicting trends in the first Bulgarian Revolutionary Central Committee] Bor'ba techenii v pervom Bolgarskom revoliutsionnom TSentral'nom komitete. Khar'kov, Izd-vo Khar'kovskogo univ. 1962. 115 p.

BULGARIA—LIBRARIES, CHILDREN'S
Valuable manual of library work with children. L. V. Khortunova. Bibliotekoved. i bibl. za rub. no. 11,164-169 '63.

BULGARIA—LOCOMOTIVES
Advanced types of traction on the railroads of Bulgaria. M. Peichev. Zhel. dor. transp. 45 no 9 89-91 S '63.

BULGARIA—NONFERROUS METAL INDUSTRIES
Technical progress in plants of nonferrous metallurgy in the People's Republic of Bulgaria. S. L. Il'chev, V. I. Smirnov, V. D. Mishin. Tsvet. met. 36 no. 8:92-94 Ag '63.

BULGARIA—PHYSICIANS
History of Russian-Bulgarian cooperation in the field of medicine and public health. V. Anchev, M. Popov. Sov. zdrav. 22 no. 6:80-85 '63.

BULGARIA—RELATIONS (GENERAL) WITH RUSSIA
Bulgarian teachers in Lipetsk. Khristo Vasilev. Nar. obr. no. 8:97-98 Ag '63.

BULGARIA—SHIPBUILDING—PERIODICALS
From pages of the Bulgarian journal "Korabostroene." Sudostroenie 29 no. 5:72-73 My '63.

BULGARIA—TEXTILE WORKERS
Glorious traditions of the Bulgarian textile workers. Sov. profsoiuzy 19 no. 13:38 Jl '63.

BULGARIA—TRADE UNIONS
Glorious traditions of the Bulgarian textile workers. Sov. profsoiuzy 19 no. 13:38 Jl '63.

BULKHEADS (NAVAL ARCHITECTURE)
Anchoring pillar ends. M. N. Epshtein. Sudostroenie 29 no. 7 62-64 Jl '63
New deck covering. V. I. Sarinnikov, V. Gritsai. Mor. flot 23 no. 6 30 Je '63.

BURDUKOV, ALEKSEI VASIL'EVICH, 1883-1943
Aleksei Vasil'evich Burdukov, role of Russian settlers in the study of Mongolia. E. M. Daravskaia. Ocherki po ist. rus. vostokoved. no. 6 187-217 '63

BURGAS, BULGARIA—HISTORY
There is where the Burgas commune was. Z. Miiskii. Nov. vrem. 21 no. 36,1-5 S '63.

BURIAL see subdivision under Afanasiab

BURNET (BOTANY)
Burnet bloodwort as a fodder plant. N. G. Andreev. Dokl. TSKHA no. 62 429-431 '61.

BURNS AND SCALDS
Changes in energy metabolism in burn disease [with summary in English]. E. V. Gublet, E. P. Zinina. Sov. med. 27 no. 7,56-62 Jl '63.
Changes in the function of the thyroid gland in burn disease [with summary in English]. G. A. Trofimov. Terap. arkh. 35 no 1 84-89 Ja '63.
Characteristics of burn disease in elderly persons according to data of pathoanatomical autopsies [with summary in English]. V. M. Pinchuk. Terap. arkh. 35 no 1,89-94 Ja '63.
Through the pages of medical journals. Fel'd. i akush. 28 no. 2:55-56 F '63.
Use of peritoneal laminae in treating thermal burns. S. D. Rekhelis, M. A. Kaufman. Zdravookhranenie 6 no. 1:38-41 Ja-F '63.

BURYAT A. S. S. R.—POLITICS AND GOVERNMENT
Our Buryat parliament. Namzhil Baldano. Ogonek 41 no. 28 16 Jl '63.

BURYAT DRAMA
Naidakova, V. TS. [Present-day Buryat theater of the drama, 1940-1962] Sovremennyi buriatskii dramaticheskii teatr, 1940-1962 g.g. [Ulan-Ude] Buriatskoe knizhnoe izd-vo, [1962] 193 p. Illus. (MH)

BURYATS
Comparison of growth regularities in the measurable traits of Turkmen and Buryat children. N. S. Smirnova. Vop. antr. no. 12,89-110 '62.

BURYN'—BANKS AND BANKING
Our practice. I. Tiunin. Den. i kred. 21 no. 8 60-62 Ag '63.

BUS CONDUCTORS (ELECTRICITY)
Theory and practice of the design of electrotechnical units and of multiampere busducts. A. I. Rutskii. Sbor. nauch. trud. Bel. politekh. inst. no 66,179-184 '57.

BUTADIENE
Calculation of equilibrium for the reactions of dehydrogenation of n-butane, n-butenes, and their mixtures to 1,3-butadiene. Neftekhimiia 3 no. 3 314-319 My-Je '63.
Effect of electron-donor additions on the chain structure in the stereospecific polymerization of butadiene. B. S. Turov and others. Dokl. AN SSSR 151 no. 5,1118-1119 Ag '63
Polymerization of isoprene and butadiene under the effect of insoluble organolithium compounds [with summary in English]. N. I. Nikolaev and others. Vysokom. soed. 5 no. 6:811-815 Je '63.
Results of three years' testing in hexachlorobutadiene in controlling Phylloxera (Phylloxera vastatrix Planch.) IA. I. Prints, V. M. Korlov, I. F. Slonovskii. Fit. i mery bor'. s nei no. 1:17-29 '61.
Solubility of chlorine and carbon dioxide in hexachlorobutadiene. L. M. Kogan, N. S. Kol'tsov, N. D. Litvinov. Zhur. fiz. khim. 37 no. 8:1875-1877 Ag '63.

BUTADIENE POLYMERS
Method for determining the molecular weight distribution of cis-1,4-polybutadienes from sedimentation data in an "ideal" solvent [with summary in English]. I. IA. Poddubnyi, V. A. Grechanovskii, M. I. Mosevitskii. Vysokom. soed. 5 no. 7:1049-1053 Jl '63.

BUTANE
Addition of a mercury salt of 1, 1, 3, 3-tetranitrobutane to ethylene. V. A. Tartakovskii, I. A. Savostianova, S. S. Novikov. Izv. AN SSSR, Ser. khim. no. 7:1330-1331 Jl '63.
Calculation of equilibrium for the reactions of dehydrogenation of n-butane, n-butenes, and their mixtures to 1, 3-butadiene. M. I. Bogdanov. Neftekhimiia 3 no. 3 314-319 My-Je '63.
Equilibrium of liquid phases in the system 2-N-methylpyrrolidone (aqueous solution) - isopentane - vinylnaphthalene - ethylnaphthalene (separation of vinylnaphthalene and ethylnaphthalene by fractional extraction). Kh. A. Aronovich, A. F. Frolov, A. B. Kondakova. Neftekhimiia 3 no. 3:413-416 My-Je '63.
Role of the surface in the chain propagation reaction in the liquid phase oxidation of n-butane. I. A. Blumberg, IU. D. Norikov, N. M. Emanuel'. Dokl. AN SSSR 151 no. 3 1137-1140 Ag '63

BUTANE—SPECTRA
Spectroscopic study of the rotational isomerism of some halo derivatives of butane. I. P. Mel'nikova, IU. A. Pentin, O. D. Shreiner. Zhur. strukt. khim. 4 no. 1 505-510 Jl-Ag '63

BUTENE
Catalytic dehydrogenation of isomeric isopentenes. Report No. 2. Dehydrogenation of 2-methyl-1-butene and 3-methyl-1-butene. A. P. Shcheglova, O. K. Bogdanova, A. A. Balandin. Izv. AN SSSR, Ser. khim. no. 7:1210-1215 Jl '63.
Catalytic dehydrogenation of isomeric isopentenes. Report No. 3. Catalytic conversions of isopentenes as dependent on their structure. O. K. Bogdanova, A. P. Shcheglova, A. A. Balandin. Izv. AN SSSR, Ser. khim. no. 7:1215-1219 Jl '63.

BUTYL PEROXIDE
Study of tert-butyl peroxide decomposition and the reactions of radicals formed in the synthesis of polydiphenylmethylene. D. G. Vaĭlkovskii, S. I. Sosin, V. V. Korshak. Izv. AN SSSR Ser. khim. no. 7,1319-1321 Jl '63.
Study of the reaction of fatty and aromatic acid nitriles with tertiary butyl peroxide. V. A. Vannov, S. L. Sosin, V. V. Korshak. Izv. AN SSSR Ser. khim. no. 7 1412-1419 Jl '63.

BUZULUK VALLEY—GEOLOGY, STRATIGRAPHIC
Neogene sediments of the Khoper-Buzuluk interfluve. A. B. Ostrovskii. Dokl. AN SSSR 151 no. 3 663-666 Jl '63.

BYALOVEZHSKA PUSHCHA see Belovezhskaya Pushcha

BYKOVSKII, VALERII FEDOROVICH
Altitude. A. Denisov, O. Kuprin. Ogonek 41 no. 26:0-11 Je '63.
"Chaika" and IAstreb" came to Moscow. I. Volokitin. Grazhd. av. 20 no. 7:16-17 Jl '63.
From an airfield. N. Prokofev. Kryl. rod. 11 no. 9 6-8 S '63
Peskov, V. M., and M. F. Rebrov. [Wait for us, stars!] Zhdite nas, zvezdy! Podred. N. P. Kamanina. Moskva, Molodaia gvardiia, 1963. 165 p.
So they go toward stars. M. Rebrov. Kryl. rod. 14 no. 7:11-12 Jl '63.

BYZANTINE EMPIRE—SHIPS
First discovery of a Byzantine sea vessel. L. P. Marinovich. Vop. ist. 18 no. 8:201-202 Ag '63.

CAB AND OMNIBUS SERVICE see subdivision under Leningrad

CABBAGE
Raising seedlings of late cabbage without using propagation frames. S. I. Shmidkov. Dokl. TSKHA no. 62:385-393 '61.

CABBAGE—ANALYSIS
Chemical and technological testing of the varieties of white cabbage. N. M. Shornikova, V. I. Anokhina, S. G. IAkovleva. Konserv. prom. 18 no. 9 24-26 S '63.

CABBAGE—STORAGE
Keeping quality of cabbage grown under various conditions. I. K. Mashkovich. Dokl. TSKHA no. 62:519-524 '61.

CABINETWORK
TSentral'nyi institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshlennosti. [Mechanizing the production and finishing processes of television cabinets] Mekhanizatsiia protsessov proizvodstva i otdelki korpusov televizorov. Moskva, 1963. 37 p. (Derevoobrabotka)
[MICROFILM]

CABLEWAYS—SAFETY MEASURES
Prokof'ev, IU. V. [Safety manual for erectors of cableways] Pamiatka po tekhnike bezopasnosti dlia sleseria-montazhnika podvesnykh kanatnykh dorog. Moskva, Gosstroizdat, 1963. 28 p. (Tekhnika bezopasnosti v stroitel'stve)

CADMIUM
Additional peak on the oscillographic polarogram of cadmium in the presence of oxygen and bromate ion [with summary in English]. G. A. Dobren'kov, R. K. Bankovskii. Zhur. fiz. khim. 37 no 8:1786-1792 Ag '63.
Anodic oxidation of cadmium in concentrated solutions of alkali. Part 1 [with summary in English]. L. A. L'vova, A. V. Fertmatov. Zhur. fiz. khim. 37 no. 8:1708-1711 Ag '63.
Anodic oxidation of cadmium in concentrated solutions of alkali. Part 2 [with summary in English]. A. V. Fertmatov, L. A. L'vova. Zhur. fiz. khim. 37 no. 8:1712-1717 Ag '63.

CADMIUM—ABSORPTION SPECTRA
Effect of temperature on the fine structure of L_{III} X-ray absorption spectra of indium and cadmium. O. P. Sharkin. Trudy Inst. met. no. 15 133-137 '63.

CADMIUM—ANALYSIS

Antipyrine dyes as analytical reagents. Report No. 2. Photometric methods for the determination of cadmium [with summary in English]. V. P. Zhuposiyev, M. N. Cheltsova. Zhur. anal. khim. 18 no. 6:717-720 Je '63.

Determination of cadmium ions in the presence of copper ions. M. A. Arsenenko. Izv. TPI 111:68-69 '61.

CADMIUM—ELECTROMETALLURGY

Dispersed composition of solid products from the disintegration of lead anodes and the mechanism of their entry into the cathodic cadmium deposit. O. A. Khan, G. N. Sosnovskii. Trudy Alt. GMNII AN Kazakh. SSR 14:30-38 '63.

Effect of impurities and temperature of the electrolyte and indices of the cadmium and vanadium electrolysis process in baths with stationary cathodes. G. N. Sosnovskii, O. A. Khan. Trudy Alt. GMNII AN Kazakh. SSR 14:90-99 '63.

CADMIUM-ANTIMONY ALLOYS

Methods of doping the crystals of CdSb compounds through alloys of the system Cd - Sb. N. L. Kustur, V. I. Pasat-kov. Fiz. met. i metallov. 16 no. 1:71-79 Jl '63.

CADMIUM CARBONATE

Effect of admixtures on the dissociation of cadmium carbonate. L. G. Berg, V. P. Kovryzina. Dokl. AN SSSR 151 no. 1:117-119 Jl '63.

CADMIUM COMPOUNDS—SPECTRA

Luminescence of halogen compounds of cadmium. I. P. Shapiro. Dokl. AN BSSR 6 no. 12:766-767 D '62.

CADMIUM CRYSTALS—ELECTRIC PROPERTIES

Effect of pressure on the Fermi surface of zinc and cadmium [with summary in English]. Iu. P. Gaidukov, E. S. Itskevich. Zhur. eksp. i teor. fiz. 45 no. 2:271-82 Ag '63.

CADMIUM GERMANIUM ARSENIDE CRYSTALS—GROWTH

Production and some properties of single-crystal CdGeAs specimens. N. A. Goriunova, F. P. Kesamanly, E. O. Osmanov. Fiz. tver. tela 5 no. 7:2031-2032 Jl '63.

CADMIUM ORGANIC COMPOUNDS

Ethylene polymers obtained with the aid of mixtures of organocadmium compounds with titanium tetrachloride [with summary in English]. K. A. Kocheshkov and others. Vysokom. soed. 5 no. 6:846-849 Je '63.

CADMIUM SULFIDE

Studying the structure of cadmium sulfide at high pressures to 90 kilobars. S. S. Kabalkina, Z. V. Troitskaia. Dokl. AN SSSR 151 no. 5:1068-1070 Ag '63.

CADMIUM SULFIDE CRYSTALS

Electrochemical behavior of cadmium sulfide. V. A. Tiagai. Izv. AN SSSR. Ser. khim. no. 9:1556-1562 S '63.

CADMIUM SULFIDE CRYSTALS—ELECTRIC PROPERTIES

Dependence of thermally stimulated conductivity on the conditions of illumination of CdS single crystals treated in sulfur vapors. A. P. Trofimenko, G. A. Fedorus, M. K. Sheinkman. Fiz. tver. tela 5 no. 7:1805-1813 Jl '63.

CADMIUM SULFIDE CRYSTALS—PHOTOELECTRIC PROPERTIES

Determining the parameters of local levels in CdS single crystals from stimulated infrared impurity photoconductivity. I. A. Mirtskhulava, R. I. Chikovani, A. L. Shkol'nik. Fiz. tver. tela 5 no. 7:1769-1775 Jl '63.

CAFFEINE—PHYSIOLOGICAL EFFECT

Effect of caffeine on the vessels of the brain of mental patients. Iu. A. Mileikovskii. Trudy 1-go MMI 21:293-307 '63.

CAISSONS

Flaws in designing caissons. I. A. Mitrofanov, M. A. Maleev. Transp. stroi. 13 no. 6:18-19 Je '63.

CALCIUM—ANALYSIS

Determining calcium and magnesium in liming materials by the trilonometric method. N. I. Allamovskii, V. A. Vorob'eva. Trudy VIUA no. 38:246-259 '61.

CALCIUM BORATES

Water in calcium metaborates. K. S. Ershova, S. V. Malinko, L. S. Sointseva. Min. syrie no. 7:62-70 '63.

CALCIUM CARBONATE

Certain features of clinkerization during the calcination of charges formed by monocalcium hydrosilicate and calcium carbonate. P. P. Budnikov, S. M. Rolak, L. A. Krotchuk. Dokl. AN SSSR 151 no. 5:1143-1146 Ag '63.

CALCIUM SILICATES

Certain features of clinkerization during the calcination of charges formed by monocalcium hydrosilicate and calcium carbonate. P. P. Budnikov, S. M. Rolak, L. A. Krotchuk. Dokl. AN SSSR 151 no. 5:1143-1146 Ag '63.

Solid solutions of tricalcium silicate with yttrium oxyorthosilicate. N. A. Toropov, A. I. Boikova. Dokl. AN SSSR 151 no. 5:1114-1117 Ag '63.

CALCIUM TUNGSTATE CRYSTALS

Electron paramagnetic resonance and spin-lattice relaxation of Nd^{3+} impurity ion in a $CaWO_4$ single crystal. N. E. Kask and others. Fiz. tver. tela 5 no. 8:2302-2305 Ag '63.

CALCULATING MACHINES

Computer for calculating corrections for coordinates and parallaxes of points of stereopairs. A. A. Chigirev, E. B. Ponomarev. Geod. i kart. no. 6:39-47 Je '63.

Using computers for operator control of mining operations in open-pit mines. A. D. Shkol'nikov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 7:140-144 '63.

Where to buy an arithmometer? Uchet i kontr. v kolkhoz. i sovkhoz. 20 no. 5:46 My '63.

CALCULI, URINARY

Physical therapy in cases of ureteral calculi. N. N. Popkov. Vop. kur., fiziotер. i lech. fiz. kul't. 27 no. 5:438-441 S-O '62.

Use of substitution blood transfusion in treating calculous anuria. M. E. Fridman. Sov. zdrav. Kir. no. 3:58-60 My-Je '63.

CALCULUS, DIFFERENTIAL

Luzin, N. N. [Differential calculus] Differentsial'noe ischislenie. Izd. 5. Moskva, Sovetskaia nauka, 1955. 476 p.

CALCULUS OF TENSORS

Displacement, strain, and stress in plane problems in Cartesian, polar, and elliptic coordinates. T. D. Akhmedov. Sbor. nauch.-issl. rab. TTI no. 15:91-109 '62.

CALCULUS OF VARIATIONS

Solution of non-self-adjoint equations by the variational method. V. M. Shalov. Dokl. AN SSSR 151 no. 3:511-512 Jl '63.

Sufficient conditions for variational problems in the optimization of automatic control processes. V. A. Troitskii. Trudy LPI no. 226:44-61 '63.

Variational method of solving extremum problems in certain classes of analytic functions. I. A. Aleksandrov. Dokl. AN SSSR 151 no. 5:999-1002 Ag '63.

Variational methods in the theory of creep. G. V. Ivanov. Prikl. mat. i mekh. 27 no. 4:750-752 Jl-Ag '63.

CALLISTHENICS

Callisthenics in a coal mine. Iu. A. Khairova, I. P. Shevelev, S. M. Mukanova. Teor. i prak. fiz. kul't. 26 no. 6:47-48 Je '63.

CALLISTHENICS—CONGRESSES

All-Russian branch conference. S. L. Privis. Teor. i prak. fiz. kul't. 26 no. 6:76-77 Je '63.

CALLUS (BOTANY)

Investigation of callus formation in some tree and shrub species by tissue culture in vitro. E. A. Bychenkova. Dokl. AN SSSR 151 no. 3:732-736 Jl '63.

CALORIMETERS

Calorimeter for measuring the energy emitted by an optical maser. V. S. Zuev, P. G. Krilov. Prib. i tekh. eksp. 8 no. 3:188-189 My-Je '63.

Differential calorimeter. V. L. Kuntts, I. A. Oralova, N. G. Chernysheva. Trudy inst. Kom. stand., izmer. i izm. prib. no. 72:39-52 '63.

CALORIMETRY

Heat capacity at constant water and water vapor volumes in single-phase and two-phase regions adjacent to the boundary curve including the critical point. Kh. I. Amirkhanov, A. M. Kerimov. Dokl. AN SSSR 151 no. 5:1064-1067 Ag '63.

CALVES—DISEASES AND PESTS

Healing effectiveness of antibiotics of the neomycin series and furazolidone in colienteritis of newborn calves. T. P. Rudenko. Vest. sel'khoz. nauki [Kazakh.] 6 no. 5:68-72 My '63.

Prevention and treatment of gastrointestinal diseases of calves. Inform. biul. VDNKH no. 7:23-24 Jl '62.

CALVES—FEEDING AND FEEDS

(see also subdivision under Alma-Ata Province; Zaraysk District)

Raising calves on rations with an increased content of silage. I. G. Gumeniuk, A. N. Miroshnikov, M. P. Postnikov. Vest. sel'khoz. nauki 8 no. 4:68-82 Ap '63.

CAMELS—DISEASES AND PESTS

Epizootic lymphangitis in camels. N. A. Spesivtseva, A. I. Noskov. Trudy VNIIVS 14:86 '59.

CAMELS, FOSSIL see subdivision under Kazakhstan

CAMERA, ELECTRON DIFFRACTION see Electron diffraction apparatus

CAMERAS

One camera contains ten devices. P. Bogdanov. Izobr. i rats. no. 7:24-25 '63.

CAMEROONS—CATHOLIC CHURCH—MISSIONS

"The poor Christ of Bomba." M. Shelmman. Nauka i rel. 4 no. 7:93-94 Jl '63.

CAMPS

(see also subdivision under Artek, Karelian Isthmus, Moscow Province)

Follows from "Otel'." N. Kiselev. Semia i shkola. 16 no. 6:36-38 Je '63.

CAMS

Precision of cam-rotating mechanisms. K. K. Maliyev. Vest. mashinostr. 43 no. 8:13-16 Ag '63.

CANADA—COKE INDUSTRY

New trends in the planning, design, and construction of coke and coal chemicals plants in the United States of Canada. I. Peisakhzon. Koks i khim. no. 10:60-62 '62.

CANADA—SHIPBUILDING

Canadian-built ships. Sudostroenie 29 no. 5:63-64 My '63.

CANADA—WILD OATS

Herbicides for controlling wild oats in Canada. V. M. Litvin. Zashch. rast. ot vred. i bol. 8 no. 5:50-52 My '63.

CANALS see subdivision under South America, see also Dortmund-Ems Canal, Koenigsberg-Magdeburg Canal; North Crimean Canal; Suez Canal

CANBERRA—WOMEN AND PEACE

Canberra welcomes the march of peace. Sallie Hampster. Zhen. mira no. 4:22 '63.

CANCER

Intra-arterial administration of large doses of cytostatics under the protection of bone marrow transplantation in advanced cases of cancer [with summary in English]. O. Costachel and others. Vop. onk. 9 no. 2:54-60 '63.

Study on the protective action of cystamine on the cells of ascitic Ehrlich's carcinoma, irradiated in vivo and in vitro. I. V. Nekrasova. Dokl. AN SSSR 151 no. 1:217-219 Jl '63.

CANCER—DIAGNOSIS

Diagnostic significance of Hakim's serum reaction in cancer. M. Iu. Login, N. I. Mandrik. Vrach. delo no. 8:120-121 Ag '63.

CANCER—PREVENTION see subdivision under Rostov Province

CANCER RESEARCH

Change in the fractional composition of blood proteins in animals with Guerin's carcinoma during the administration of cortisone [with summary in English]. E. A. Shendorik, T. N. Iurkovskaia. Vop. onk. 9 no. 2:88-92 '63.

Chronic inflammation and the process of carcinogenesis [with summary in English]. M. D. Podil'chak. Vrach. delo no. 6:60-62 Je '63.

Inducing the phenomenon of immunological tolerance in adult rats [with summary in English]. V. L. Kuznetsova. Vrach. delo no. 6:81-84 Je '63.

Thoughts about cancer. N. Verkhovetil. Izobr. i rats. no. 7:46-47 '63.

CANCER RESEARCH—CONGRESSES

Cancer will be conquered. A. Emme. Tekh. mol. 30 no. 11:27-29 '62.

CANDIDA (FUNGUS)

Polyploid yeastlike fungi from the genus Candida. A. A. Imshenetskii, L. I. Sointseva, N. F. Kuranova. Dokl. AN SSSR 152 no. 1:212-215 S '63.

CANNING AND PRESERVING

Studying osmosis and diffusion in cucumber preparations. R. M. Ponomarenko. Kons. i ov. prom. 18 no. 9:5-7 S '63.

CANNING AND PRESERVING—STUDY AND TEACHING

Specialization in the technology of canning. T. M. Safronova. Kons. i ov. prom. 18 no. 9:4-5 S '63.

CANNING INDUSTRY

(see also subdivision under Khushany, Krymsk; Porechye-Rybnoye; United States)

From pages of newspapers. Kons. i ov. prom. 18 no. 7:45 Jl '63.

From pages of newspapers. Kons. i ov. prom. 18 no. 9:46 S '63.

Mechanization of the conveying of tomato paste from the production shops to the warehouse of finished products. G. P. Makarov, P. A. Daen, V. V. Domkovich. Kons. i ov. prom. 18 no. 7:7-9 Jl '63.

Specialization and improvement of the technology of the production of canned meat and meat-and-vegetables is an important factor for smoothing the conditions of seasonal work. A. I. Bermash. Kons. i ov. prom. 18 no. 9:33-34 S '63.

CANNING INDUSTRY—EQUIPMENT AND SUPPLIES

Vibratory system for filling cans with stone fruits and sirup. R. Kh. Lortkipanidze. Kons. i ov. prom. 18 no. 7:9-12 Jl '63

CANNING INDUSTRY—FINANCE see subdivision under Daghestan

CANNING INDUSTRY—LABOR PRODUCTIVITY see subdivision under Moldavia

CANNING INDUSTRY—MANAGEMENT

Experiment in the planning of the volume of production on the base of the standard costs of processing. A. E. Babenko. Kons. i ov. prom. 18 no. 9:35-36 S '63

CANNING INDUSTRY—PRODUCTION STANDARDS

Conference for the examination of the standard norms of production. E. A. Baranov. Kons. i ov. prom. 18 no. 8:43-44 S '63.

CAPILLARIES

Capillaroscopic observations. A. N. Iartsev. Vrach. delo no. 6:119-120 Je '63.

Effect of reserpine on the capillary blood circulation. L. A. Areshnikova, A. G. Ovsepian. Vrach. delo no. 8:123-124 Ag '63.

CAPILLARITY

Capillary equilibrium in a porous body model with intersecting pores of variable cross-sections. V. S. Markin. Dokl. AN SSSR 151 no. 3:620-623 Jl '63.

CAPITAL
(see also subdivision under Ukraine)

Coefficient of capital renewal and new products. A. Rotshtein. Vest. stat. no. 8:61-69 '63.

On improving further the organization and planning of the sources of the formation of working capital. N. Lisitsian. Vop. ekon. no. 8:76-88 Ag '63.

CAPITAL INVESTMENTS
(see also subdivision under Bulgaria, Czechoslovakia, Donetsk Province)

Considering the time of construction in comparing capital investment variants. U. B. Baimuratov, S. IA. Rachkovskii. Izv. vys. ucheb. zav.; tsvet. met. 6 no. 3:157-164 '63.

Criterion of economic efficiency. B. Vainshtein. Vop. ekon. no. 9:130-141 S '63.

Developing and utilizing norms for specific capital investments. R. Merkin. Plan. khoz. 40 no. 8:14-21 Ag '63.

Kazhlaev, N. G. [Increasing the efficiency of capital investments] Povyshenie effektivnosti kapital'nykh vlozhenii. Moskva, Ekonomizdat, 1963. 204 p.

On a method for planning capital investments. S. Beliaev. Plan. khoz. 40 no. 9:35-40 S '63.

CAPITALISM

Akademiia nauk SSSR. Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii. [Agricultural cooperation under the conditions of capitalism] Sel'skokhoziaistvennaia kooperatsiia v usloviiakh kapitalizma. Moskva, Sotsekgiz, 1963. 350 p.

Anticommunism is the main content of the ideology of imperialism. G. Khromushin. Vop. ekon. no. 8:43-52 Ag '63.

It is falling.... Andre Wurmser. Ogonek 41 no. 25:25 Jl '63.

Masked capitalism. James Aldridge. Ogonek 41 no. 26:26-29 Je '63.

Schumpeter's theory of the "self-destruction of capitalism" is a tool of bourgeois apologetics. R. Rivkin. Nauch. dokl. vys. shkoly, ekon. nauki 6 no. 5:73-83 '63.

We are against the reformist conception of J. Strachey. V. V. Motylev. Vop. ist. 38 no. 7:167-172 Jl '63.

CAR TRUCKS (RAILROADS)

Slemzin, V. I., and V. P. Shcherbakov. [Type KVZ-5 and KVZ-TsNII car trucks, design, maintenance and repair characteristics] Telezhki tipa KVZ-5 i KVZ-TsNII; osobennosti konstruktsii, remonta i tekushchego soderzhaniia. Moskva, Transzheldorizdat, 1963. 63 p.

CARBAZOLE

Chemistry of carbazole derivatives. Part 1. Acetylation of carbazole by acetic anhydride in the presence of zinc chloride and other catalysts. V. P. Lopatinskii, E. L. Sirotkina, M. M. Anosova. Izv. TPI 111:36-39 '61.

Chemistry of carbazole derivatives. Part 2. Acetylation of 9-methylcarbazole. V. P. Lopatinskii, E. E. Sirotkina, M. M. Anosova. Izv. TPI 111:40-43 '61.

Chemistry of carbazole derivatives. Part 3. Vinylation of carbazole with vinyl acetate and the synthesis of a 9-vinylcarbazole polymer. V. P. Lopatinskii, E. E. Sirotkina. Izv. TPI 111:44-45 '61.

Separation of carbazole from crude acetylene with the aid of paraformaldehyde. V. P. Lopatinskii, E. E. Sirotkina. Izv. TPI 111:107-109 '61.

CARBOHYDRATE METABOLISM

Effect of total irradiation with gamma rays of Co^{60} on the content of intermediate products of carbohydrate and phosphorus metabolism in cardiac and skeletal muscles. N. M. Labanova. Vestsi AN BSSR, Ser. biial. nav. no. 1:53-58 '63.

Holovats'kyi, I. D. [Carbohydrate metabolism in farm animals] Obmin vuhlevodiv u sil's'kohospodars'kykh tvaryn. Kyiv, Vyd-vo Ukrains'koi Akad. sil's'kohospodars'kykh nauk, 1961. 269 p.
(DNAL)

CARBOHYDRATES

Wittig reaction in the carbohydrate series. N. K. Kochetkov, B. A. Dmitriev. Dokl. AN SSSR 151 no. 1:106-109 Jl '63.

CARBOHYDRAZIDE

Nature of diphenylcarbazide reaction for hexavalent chromium [with summary in English]. E. V. Kovalenko, V. I. Pettashen'. Zhur. anal. khim. 18 no. 5:743-749 Je '63.

CARBON

Atomic structure of the polyyne form of carbon. V. I. Kasatochkin, O. I. Egorova, IU. G. Aseev. Dokl. AN SSSR 151 no. 1:125-126 Jl '63.

Mechanism underlying carbon formation in the processes of thermal conversions of hydrocarbons. R. Z. Magaril. Khim. i tekh. topl. i masel 8 no. 8:1-5 Ag '63.

Selective sorption of cations by oxidized carbon and possibility for its practical utilization. I. A. Tarkovskaia. Ukr. khim. zhur. 29 no. 5:491-496 '63.

Utilization of different sources of carbon by the algae of the genus Chlorella in darkness [with summary in English]. I. A. Avilov. Vest. LGU 18 no. 15:62-68 '63.

CARBON BLACK

Adsorption isotherms of nitrogen, benzene, and n-hexane vapors and the heat of adsorption of benzene and n-hexane on graphitized carbon blacks. Part 3. Thermodynamic characteristics of adsorption equilibria [with summary in English]. A. A. Isirikian, A. V. Kiselev. Zhur. fiz. khim. 37 no. 8:1776-1785 Ag '63.

Use of electron microscopy for evaluating the distribution of carbon black in rubber compounds. K. A. Pechkovskaia and others. Zav. lab. 29 no. 8:968-970 '63.

Use of surface-active agents in the grinding of carbon black in alkyd binding substances. M. A. Chupeev and others. Lakokras. mat. i ikh prim. no. 3:77-78 '63.

CARBON DIOXIDE

Solubility of chlorine and carbon dioxide in hexachlorobutadiene. L. M. Kogan, N. S. Kol'tsov, N. D. Litvinov. Zhur. fiz. khim. 37 no. 8:1875-1877 Ag '63.

CARBON DIOXIDE, SOLID see Dry ice

CARBON ELECTRODES see Electrodes, Carbon

CARBON ISOTOPES

Distribution of C^{14} in chlorophylls a and b in etiolated leaves which have turned green. A. A. Shlyk, A. P. Losev. Vestsi AN BSSR, Ser. biial. nav. no. 1:21-33 '63.

Mechanism of cellulose ester oxidation by oxygen. Part 19: Oxidation of acetylcellulose tagged with radioactive carbon in acetyl groups and in a pyran ring [with summary in English]. O. P. Koz'mina, A. K. Khripunov, V. I. Kurliankina. Vysokom. soed. 5 no. 8:1232-1234 Ag '63.

Metabolism of carbon absorbed in photosynthesis by plants as related to the conditions of water supply [with summary in English]. L. M. Makhmadbekova, IU. S. Nasyrov. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR no. 3:17-22 '63.

Preparation of α-C^{14}-β-(4-hydroxy-6-methyl-2-pyrimidyl)-alanine. IU. P. Shvachkin, G. G. Krivisov. Vest. Mosk. un. Ser. 2: Khim. 18 no. 1:91-92 Jl-Ag '63.

CARBON MONOXIDE

Catalytic reduction of p-benzoquinone by carbon monoxide in the liquid phase. V. A. Golodov, A. B. Fasman, D. V. Sokol'skii. Dokl. AN SSSR 151 no. 1:98-101 Jl '63.

CARBON TETRACHLORIDE

Constants of chain transfer in the reaction ethylene telomerization with carbon tetrachloride. Sh. A. Karapetian, B. A. Englin, R. Kh. Freidlina. Izv. AN SSSR, Ser. khim. no. 7:1346-1348 Jl '63.

CARBONATITES
(see also subdivision under Siberia)

Studying the effect of certain reagents on the flotation properties of carbonatite rock minerals. D. I. Kogan, V. A. Rychagov. Izv. vys. ucheb. zav.; tsvet. met. 6 no. 3:51-57 '63.

CARBONIC ACID

Determination of the dissociation constants of carbonic acid and calculation of the extent of CO_3^{2-} and HCO_3^- ion hydrolysis in the solutions of carbonates and bicarbonates at elevated temperatures [with summary in English]. B. N. Ryzhenko. Geokhimiia no. 2:137-148 F '63.

CARBONYL COMPOUNDS

Catalytic carbonylation of anabasine. IA. IU. Aliev, I. B. Romanova, L. Kh. Freidlin. Uzb. khim. zhur. 7 no. 3:43-46 '63.

CARBONYL GROUP

Optically active reagents for the carbonyl group. V. M. Potapov, G. P. Moiseeva, A. P. Terent'ev. Vest. Mosk. un. Ser. 2 Khim. 18 no. 1:28-29 Jl-Ag '63.

CARBOXYL GROUP

Certain features of cation exchange in an acid medium on cation exchangers with carboxyl functional groups. Z. A. Krivchik, N. F. Frmolenko. Dokl. AN SSSR 151 no. 5:1147-1149 Ag '63.

CARDIAC GLYCOSIDES

Dependence of the pharmacodynamics of cardiac glycosides on the functional state of the organism [with summary in English]. A. I. Cherkes, N. M. Dmitrieva. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:301-315 '63.

CARDIAC NERVES see Nerves, Cardiac

CARDIOGRAPHY

Changes in the dynamocardiogram in hypertension [with summary in English]. L. A. Ioffe. Kardiologiia 3 no. 3:39-44 My-Je '63.

CARDIOLOGY—CONGRESSES

First (constituent) All-Union Conference of Cardiologists. A. P. Golikov, M. K. Mitrushkin. Kardiologiia 3 no. 3:91-91 My-Je '63.

CARDIOVASCULAR RESEARCH

Path of a researcher. G. I. Kositskii. Zdorov'e 9 no. 5:7-8 My '63.

Review of the collection of articles "Some contemporary graphical methods of the examination of the cardiovascular system, problems of cardiology." S. G. Moiseev. Kardiologiia 3 no. 3:89-90 My-Je '63.

CARDIOVASCULAR SYSTEM

Akademiia meditsinskikh nauk SSSR, Moscow. [Modern methods of investigating the functions of the cardiovascular system] Sovremennye metody issledovaniia funktsii serdechno-sosudistoi sistemy. Pod red. E. B. Babskogo i V. V. Parina. Moskva, Medgiz, 1963. 295 p.
(DNLM)

Effect of apochlorine and its derivatives on the cardiovascular system. Kh. U. Aliev, I. K. Kamilov. Farm. zak. no. 1:206-209 '62.

Effect of neurotropic substances on the central regulation of the activity of the cardiovascular system [with summary in English]. A. V. Val'dman. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:218-233 '63.

Effect of some new stimulants (phenatine and its derivatives, pyridoxyphen) on the cardiovascular and nervous system [with summary in English]. S. IA. Azbuzov. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:206-217 '63.

State of the cardiovascular system in elderly patients following fracture of the hip and leg bones. E. M. Fedorova. Sov. med. 27 no. 7:39-41 Jl '63.

CARDIOVASCULAR SYSTEM—DISEASES

Cardiovascular disorders in Down's disease. V. V. Ruskikh. Trudy 1-go MMI 21:128-136 '63.

Results of the Second Scientific Conference of the Institute of Therapy of the Academy of Medical Sciences of the U. S. S. R. on problems of climatopathology in the clinical aspects of cardiovascular diseases. V. IA. Chekin. Sov. med. 27 no. 7:151-153 Jl '63.

Temporary disability in cardiovascular diseases. V. P. Vager, S. IA. Freidlin. Zdrav. Ros. Feder. 7 no. 7:12-15 Jl '63.

Use of the electron optical transformer and X-ray cinematography in diseases of the heart, and major and peripheral vessels, methodology and technique of examination [with summary in English]. B. V. Petrovskii, I. Kh. Rabkin. Vest. rent. i rad. 38 no. 2:3-9 Mr-Ap '63.

CARDIOVASCULAR SYSTEM—FISHES

Effect of cooling and heating water on the electrocardiogram and oxyhemoglobin content in the blood of fishes adapted to a certain temperature of the environment. V. A. Pegel', V. A. Remorov. Nauch. dokl. vys. shkoly; biol. nauki no. 3:54-57 '63.

CARENE

Isomerization of Δ^3-carene oxide in the reaction with alcohols in the presence of acids. Z. G. Isaeva, I. S. Andreeva. Dokl. AN SSSR 152 no. 1:106-109 S '63.

CARGO HANDLING
(see also subdivision under Odessa; Takoradi)

Direct method of cargo handling. V. P. Tikhonov. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 11:45-52 '62.

Potentialities in the traffic capacity of piers. A. Soiuzov. Rech. transp. 22 no. 6:19-21 Je '63.

Results of carrying out the April-May plan of cargo transportation and handling. Rech. transp. 22 no. 6:4 Je '63.

Self-propelled pontoon. E. P. Mineev. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:86-88 '62.

Single technological process in harbor and station operations. A. Shirisev. Rech. transp. 22 no. 6:11-12 Je '63.

CARGO HANDLING (Continued)

Experience in the transshipment of cargoes on floating cranes. I. Gra-ko. Mor flot 23 no 9 11-13 S '63

Utilizing the hull space in "Arkhangel'sk"-type motorships. A. S. Prikhodko, E. N. Kultashev. Biul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10 15-28 '62.

Ways of improving the carrying capacity and the productivity of the merchant marine. V. Goldobenko. Mor flot 23 no. 7 6-9 Jl '63

CARGO HANDLING—EQUIPMENT AND SUPPLIES
(see also subdivision under Krasnoyarsk)

Friendship with machinery. V. Chukhlomin. Rech. transp. 22 no. 6 14-15 Je '63

Overall mechanization for the handling of short logs. V. Kazakevich. Rech. transp. 22 no. 6 16-17 Je '63

CARGO HANDLING—LABOR PRODUCTIVITY

Most important potentialities for increasing labor productivity. V. Ivanenko. Rech. transp. 22 no. 6 9-10 Je '63

CARGO HANDLING—PRODUCTION STANDARDS

Work experience of inner harbors according to multiple norms. M. Rozenshtokh. Mor flot 23 no. 5 41 My '63

CARLSBAD, CZECHOSLOVAKIA see Karlovy Vary, Czechoslovakia

CAROTENE
(see also subdivision under Tashkent Province)

Carotene content of corn, legumes, and sugar beets [with summaries in English, German, and French]. I. A. Donchenko, A. A. Kalinina. Vest. sel'khoz. nauki 6 no. 1 71-77 Ap '63

Nature of the biosynthesis of plastid pigments in the processes of leaves with different physiological characteristics. V. S. Shvidzhe. Bot. zhur. 48 no. 7 1030-1044 Jl '63

CAROTENOIDS

Carotinoid content in the kernels of yellow hybrid corn depending on the variety, fertilizers and the region of growth. T. N. Sagutonova. Nauch. dokl. vys. shkoly, biol. nauki no. 3 145-149 '63

Effect of gamma rays on the synthesis of carotinoids in tomatoes. I. P. Kovalskaia, K. V. Vasil'eva. Kons. i ov. prom. 18 no. 7 29-32 Jl '63

CARP
(see also subdivision under Alakul')

Effect of cobalt on the growth and hematological indices of carp. F. M. Sukhoverkhov, R. V. Krymova, V. G. Farberov. Ryb. khoz. 39 no. 8 35-38 '63.

Quality of young-of-the-year carp in one-year culture [with summaries in English, German, and French]. V. A. Movchan, S. I. Strel'nikov. Vest. sel'khoz. nauki 8 no. 4 81-84 Ap '63.

CARPATHIAN MOUNTAIN REGION—GEOLOGY, STRATIGRAPHIC

Correlation of Paleocene and Eocene sediments in the Ukrainian Carpathians. F. P. Temniuk. Geol. zhur. 23 no. 3 100-107 '63

CARPATHIAN MOUNTAIN REGION—POTASSIUM SALTS

Some characteristics of the distribution of potassium salt deposits in the sediments of the Vorotyshcha series in the cis-Carpathian region. K. B. Donchenko. Geol. zhur. 23 no. 3 74-84 '63

CARPATHIAN MOUNTAIN REGION—ROCKS—TESTING

Some interrelations between the density, porosity, and elastic properties of rocks from a geological section of the Carpathian Mountain region. G. I. Petkevich. Geofiz. sbor., no. 4 33-42 '63.

CARPATHIAN MOUNTAINS—BOTANY

Conference on the Study of Carpathian Fauna and Flora. S. O. Vysotskaia. Vest. AN SSSR 33 no. 9 80 S '63.

CARPATHIAN MOUNTAINS—EARTHQUAKES

Carpathian earthquakes in 1960. O. I. Iurkevych. Kat. karp. zemletrus., no. 5 9-14 '63.

List of Carpathian earthquakes in 1960. Kat. karp. zemletrus., no. 6 7 '63.

CARPATHIAN MOUNTAINS—JUNIPER

Structure and development of prostrate dwarf forms in Pinus mughus Scop. and Juniperus sibirica Burgsd. in the eastern Carpathians [with summary in English]. R. P. Barykina, L. V. Kudriashov, A. N. Klasova. Bot. zhur. 48 no. 7 949-964 Jl '63.

CARPATHIAN MOUNTAINS—PINE

Structure and development of prostrate dwarf forms in Pinus mughus Scop. and Juniperus sibirica Burgsd. in the eastern Carpathians [with summary in English]. R. P. Barykina, L. V. Kudriashov, A. N. Klasova. Bot. zhur. 48 no. 7 949-964 Jl '63

CARPATHIAN MOUNTAINS—ZOOLOGY

Conference on the Study of Carpathian Fauna and Flora. S. O. Vysotskaia. Vest. AN SSSR 33 no. 9 80 S '63.

CARPATHO-UKRAINE see Transcarpathia

CARROTS
(see also subdivision under Ukraine)

Depth for placing mulch strip paper in sowing carrots with the SRL-2 sowing machine. V. P. Kochetkov. Dokl. TSKhA no. 82 395-402 '61.

CARROTS—DISEASES AND PESTS see subdivision under Uzbekistan

CARTOGRAPHY

Twenty-fifth anniversary of the activity of the Scientific Editorial Map-Compilation Section. V. N. Lysiuk. Geod. i kart. no. 8 3-6 Ag '63.

Use of microfilming in foreign cartography [survey of foreign literature]. N. P. Maksimov. Geod. i kart. no. 6 61-69 Je '63.

CARTOGRAPHY—DICTIONARIES

Work on terminology and dictionaries in the field of geodesy. K. F. Nekrasova. Geod. i kart. no. 8 71-75 Ag '63

CARTOGRAPHY—EQUIPMENT AND SUPPLIES

Maintaining the dimensions of astrafoil and astralon plastic materials. Geod. i kart. no. 8 66-69 Ag '63.

CASE HARDENING

Investigating reactive diffusion in systems "metal - complex gas." Part 7. Molybdenum - silicon - boron. V. N. Konev, A. P. Nesterov, I. P. Glukova. Fiz. met. i metalloved. 16 no. 1 86-90 Jl '63

Surface carburizing of steel 10 and 20 pipe in the hot extrusion process. O. S. Vil'iams, A. L. Libenson. Stal' 23 no. 7 638-639 Jl '63

CASPIAN LOWLAND—SALT DOMES

Initial thickness of the Kungur salt-bearing complex in the Caspian Lowland. G. E.-A. Arzenshtadt, E. I. Gershtein. Dokl. AN SSSR 151 no. 5 1156-1158 Ag '63.

CASPIAN LOWLAND—SEISMIC PROSPECTING

Methodology of seismic prospecting by the reflected wave method in subsalt horizons of the Caspian Lowland. E. D. Tagai. Prikl. geofiz. no. 36 86-100 '63.

CASPIAN SEA—ARTIFICIAL ISLANDS

Wage and classification manual for workers engaged in the offshore petroleum production. Kh. Aliev and others. Sots. trud 8 no. 6 134-135 Je '63

CASPIAN SEA—FISHERIES

Methods for increasing the stock of commercial fishes in the Ural River-Caspian region. P. M. Konovalov. Trudy Inst. ikht. i ryb. khoz. AN Kazakh. SSR 4 5-18 '63.

CASPIAN SEA—HYDROLOGY

Caspian conference. I. I. Stas'. Priroda 52 no. 8 100-101 Ag '63.

CASPIAN SEA—SUBMARINE GEOLOGY

Quaternary sediments of the Apsheron sill in the Caspian Sea. L. I. Lebedev, E. G. Maev. Dokl. AN SSSR 151 no. 5 1164-1167 Ag '63

CASPIAN SEA REGION—ORGANIC MATTER

Mekhtiev, Sh. F., and Ad. A. Aliev. [Organic matter of Cretaceous and Tertiary sediments in the Caspian-Kuba Area] Organicheskoe veshchestvo melovykh i tretichnykh otlozhenii Prikaspiisko-Kubinskoi oblasti. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963 157 p.

CASPIAN SEA REGION—PALEOGEOGRAPHY

Paleogeography of the Caspian basin in the Middle and in the beginning of the Late Pliocene, Balakhany and Akchagyl stages. E. E. Milanovskii. Biul. MOIP, Otd. geol. 38 no. 3 77-86 My-Je '63.

CASPIAN SEA REGION—ROCKS, SEDIMENTARY

Mekhtiev, Sh. F., and Ad. A. Aliev. [Organic matter of Cretaceous and Tertiary sediments in the Caspian-Kuba Area] Organicheskoe veshchestvo melovykh i tretichnykh otlozhenii Prikaspiisko-Kubinskoi oblasti. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 157 p.

CASPIAN SEA REGION—SPRATS, CANNED

Production of canned sprat without searing. V. P. Konovalov. Trudy Inst. ikht. i ryb. khoz. AN Kazakh. SSR 4 202-210 '63

CASSIA see subdivision under Tashkent region

CAST IRON

Antimony-containing cast iron as a substitute for bronze in the manufacture of machinery. V. Avakian. Prom. Arm. 6 no. 7 38-42 Jl '63.

Machining refined cast iron with instruments made of new materials. A. M. Kucher, P. P. Bychkov. Trudy LTITSBP no. 8 182-185 '61.

Technological processes of chill casting of cast-iron parts. Kh. Ambartsumian. Prom. Arm. 6 no. 7 29-33 Jl '63.

CAST IRON—ANALYSIS

Thermodynamics of the solution of phosphorus in liquid iron in the presence of manganese, silicon, sulfur, and iron. B. P. Burylev. Izv. vys. ucheb. zav., Chern. met. 6 no. 7 5-12 '63.

CAST IRON—METALLOGRAPHY

Kinetics of the secondary stage of graphitizing cast iron with spheroidal graphite. A. A. Baranov, B. P. Bunin, E. D. Glebova. Izv. vys. uch. zav., Chern. met. 6 no. 7 172-175 '63.

CAST IRON—METALLURGY

Effect of chromium on the graphitization of malleable cast iron. V. V. Zhukov, V. V. Shalin [et al.]. Fiz. met. i metalloved. 16 no. 1 121-128 Jl '63

Operation of industrial equipment for the treatment of cast iron in ladles. V. V. Popov, [et al.]. Stal' 23 no. 8 715-720 Ag '63

Refining and use of cast iron obtained during the smelting of zinc slags and sinter cake. Iu. M. Goriachkin, and others. Trudy Alt. GMNII AN Kazakh. SSR 13 [1963] '63.

Using natural gas for smelting cast iron. I. N. Nakhabakh, G. P. Dolotov. Vest. mashinostr. 44 no. [illegible] Ap '63.

CASTRATION

Bloodless (subcutaneous) method for castrating young rams and bull calves with I. A. Tsilinskii's forceps. M. A. Khanin, I. A. Tsilinskii, V. Kazakh. [illegible] no. 5 65-68 My '63.

CATALASE

Change in catalase by grafting in the action of peroxidase. [illegible] Biul. eksper. biol. i med. no. 6 109-20 '61.

CATALOGING

Descriptive cataloging in the People's Republic of Bulgaria. L. A. Novikova. Sov. bibl. no. 4 140-145 '63

CATALOGS, SUBJECT

Theoretical Conference on Basic Problems of the [illegible] Catalog. S. K. Sov. bibl. no. 4 100-111 '63.

CATALOGS, UNION

[Union list of new foreign books, received by the libraries of the U. S. S. R. Series A: Natural sciences, medicine, agriculture, technology] Svod. biul. novostr. knig, postup. v bibl. SSSR, Ser. A. Est.-nauch. med., sel'. khoz., tekh. no. 2 '63.

CATALYSIS

Activity of phosphoric acid catalyst pellets. V. F. [illegible] zhev and others. Khim. i tekh. topl. i masel 8 no. 2 3 Ag '63.

Application of the refractometric method of analysis in the study of catalytic reaction equilibrium. V. V. [illegible] keev, S. K. Shakhova. Izv. AN SSSR, Ser. khim. no. 8 1365-1367 Ag '63.

Catalytic cleavage of organic oxides. N. I. Shuikin, V. A. An. Izv. AN SSSR, Ser. khim. no. 8 1478-1481 Ag '63.

Catalytic conversions of high molecular weight [illegible]. Report No. 1: Isomerization of n-octadecane in the presence of commercial catalyst W-3-NIS Al$_2$O$_3$. Kh. IA. Orlov, A. A. Martynov, V. P. Bulychev. Izv. AN SSSR, Ser. khim. no. 9 1636-1641 S '63.

Catalytic dehydrogenation of isomeric isopentenes. Report No. 3: Catalytic conversions of isopentenes dependent on their structure. O. K. Bogdanova, A. F. Shcherglova, A. A. Baimakin. Izv. AN SSSR, Ser. khim. no. 7 1215-1219 Jl '63.

Catalytic evolution of hydrogen on mercury when a small proportion of the electrode surface is filled with the catalyst. A. N. Frumkin, D. I. Dzhaparidze, G. A. Tedoradze. Dokl. AN SSSR 152 no. 1 161-164 S '63.

Comparison of the rates of the catalytic reduction and electrolytic reduction of some organic substances on rhodium. Part 3. I. M. Gerenina, G. P. Khomutova, G. D. Vavchenko. Vest. Mosk. un. Ser. 2, Khim. 18 no. 1 55-58 Jl-Ag '63

Dependence of the process rate and molecular weight of the product on the concentration of monomer during polymerization of propylene on a VCl_3 - $Al(i\text{-}Bu)_3$ catalytic system. L. A. Novokshonova, V. I. Tsvetkova, N. M. Chirkov. Izv. AN SSSR, Ser. khim. no. 7 1178-1181 Jl '63.

Initiation of low temperature polymerization of vinyl chloride by triethylaluminum aided by the oxidative action of oxygen. G. A. Razuvaev and others. Dokl. AN SSSR 151 no. 1 110-113 Jl '63.

Mechanism of the catalytic decomposition of hydrogen peroxide in solution by sodium molybdate together with other salts. Part 2: Sodium molybdate + calcium chloride or strontium chloride [with summary in English]. V. A. Shcherbinin. Zhur. fiz. khim. 37 no. 8 1832-1840 Ag '63.

Rapid method for determining nitrogen oxides in concentrated sulfuric acid of wet catalysis. A. A. Saksonova, E. V. Lukash. Koks i khim. no. 8 51 '63.

Relation between the activation energy of some electrochemical and catalytic processes and the properties of metals. V. V. Demchenko. Zhur. fiz. khim. 37 no. 8 1849-1851 Ag '63.

CATALYSIS (Continued)
Use of surface ionization phenomena in studying catalytic reactions on a surface. N. I. Ionov, M. A. Mitsev. Dokl. AN SSSR 152 no.1:137-139 S '63.

CATALYSTS
Activity of a Co/Al_2O_3 catalyst with various ratios of components. A. E. Agronomov, A. P. Mishchenko. Vest. Mosk. un. Ser. 2 Khim. 18 no. 4 50-54 Jl-Ag '63.
Adsorption of benzene within a temperature range of 20 to 450°C on chromia-alumina-potassium catalysts. A. M. Rubinshtein, K. I. Slovetskaia, T. R. Brueva. Dokl. AN SSSR 151 no. 3:580-583 Jl '63.
Catalytic carbonylation of anabasine. IA. IU. Aliev, I. B. Romanova, L. Kh. Freidlin. Uzb. khim. zhur. 7 no. 3 43-46 '63.
Dehydrocyclization of 2-amylnaphthalenes in the presence of alumina-chromia catalysts and platinized carbon. N. I. Shuikin, IAn. Ai-sil'Yang Ai-hsil', L. A. Privanskaia. Izv. AN SSSR Ser. khim. no. 7:1284-1289 Jl '63.
Dehydrogenation of methylcyclohexane on alumina-chromia and alumina-molybdenum oxide catalysts. IU. I. Usov, E. V. Skvortsova, G. G. Klushnikova. Neftekhimiia 3 no. 3 320-325 My-Je '63.
Eight years of operating experience with the ultraforming process. Khim. i tekh. topl. i masel 8 no. 8 69-70 Ag '63.
Electrochemical regeneration of catalysts as a method for accelerating the liquid phase oxidation of hydrocarbons. L. A. Muzychenko, A. I. Zhemzhur, A. I. Kamneva. Neftekhimiia 3 no. 3 390-398 My-Je '63.
Electron microscope study of catalysts on fibrous carbon. B. S. Tul'chinskii, IA. A. Satunovskii. Zav. lab. 29 no. 8:962-965 '63.
Hydrogenation of stereoisomers of piperylene on metallic catalysts. L. Kh. Freidlin, E. F. Litvin. Neftekhimiia 3 no. 3 328-329 My-Je '63.
Mixed adsorption catalysts of dehydrogenation. Report No. 1. Pd/SiO_2 as a catalyst of cyclohexane dehydrogenation. A. A. Alchudzhan, M. A. Mantikian, A. M. Aikazian. Izv. AN Arm. SSR, Khim. nauki 16 no. 1 303-311 '63.
Mixed adsorption catalysts of dehydrogenation. Report No. 2. Pd-Ag/SiO as a catalyst of cyclohexane dehydrogenation. A. A. Alchudzhan, M. A. Mantikian, A. M. Aikazian. Izv. AN Arm. SSR, Khim. nauki 16 no. 1 305-325 '63.
Polymerization of octamethylcyclotetrasiloxane under the effect of acid catalysts [with summary in English]. E. V. Kogan and others. Vysokom. soed. 5 no. 8 1185-1189 Ag '63.
Polymerization of vinyl chloride in the presence of Ziegler-type catalysts [with summary in English]. G. A. Razuvaev and others. Vysokom. soed. 5 no. 7: 1030-1034 Jl '63.
Study of adsorption catalysts by the method of exoelectronic emission. A. S. Shashkov, I. V. Kiylova, N. I. Kobozev. Zhur. fiz. khim. 37 no. 8:1851-1854 Ag '63.
Study of catalysts produced by the reaction of sodium borohydride with salts of heavy metals. A. M. Taber and others. Dokl. AN SSSR 152 no. 1,119-121 S '63.

CATARACT
Biochemical principles and the differential diagnosis of primary cataracts [with summary in English]. M. IA. Fradkin, and others. Uch. zap. GNII glaz. bol. no. 8, 7-12 '63.
Cataract extraction in an eye with primary glaucoma [with summary in English]. L. S. Vysotskaia-Gudkova. Uch. zap. GNII glaz. bol. no. 8:154-157 '63.
Cataract following experimental hemorrhage into the vitreous body [with summary in English]. G. A. Petropavlovskaia. Uch. zap. GNII glaz. bol. no. 8:55-61 '63.
Comparative evaluation of different methods of investigating the functional state of the visual analyser in cataracts [with summary in English]. V. I. Smol'ianinova, A. I. Bogoslavskii, R. A. Gaikavi. Uch. zap. GNII glaz. bol. no. 8:17-39 '63.
Conservative treatment of initial cataracts [with summary in English]. M. IA. Fradkin and others. Uch. zap. GNII glaz. bol. no. 8:84-90 '63.
Contemporary methods of treating traumatic cataracts [with summary in English]. R. A. Gundorova and others. Uch. zap. GNII glaz. bol. no. 8 113-118 '63.
Cysteine in the treatment of cataracts [with summary in English]. Z. V. Svistukhina. Uch. zap. GNII glaz. bol. no. 8:96-100 '63.
Further observations on the results of the use of cataract extraction combined with iridencleisis in glaucoma patients [with summary in English]. F. IA. Mogilevskaia. Uch. zap. GNII glaz. bol. no. 8:143-148 '63.
Intracapsular extraction of a cataract in glaucoma [with summary in English]. A. L. Klykova. Uch. zap. GNII glaz. bol. no. 8:149-153 '63.
Investigating the vision of patients before the extraction of cataracts [with summary in English]. A. V. Roslavtsev. Uch. zap. GNII glaz. bol. no. 8:13-16 '63.
Method of conservative treatment in senile cataract [with summary in English]. E. V. Aleksandrovich. Uch. zap. GNII glaz. bol. no. 8:107-109 '63.
Outcomes of cataract extractions according to data of the Helmholtz State Scientific Research Institute of Eye Diseases for 1959-1961 [with summary in English]. D. I. Mitkokh. Uch. zap. GNII glaz. bol. no. 8:158-162 '63.
Results of cataract extractions in students of schools for blind and weak-sighted children [with summary in English]. A. V. Khvatova. Uch. zap. GNII glaz. bol. no. 8 128-131 '63.
Results of the operative treatment of congenital cataracts. L. P. Dmitrovskaia. Uch. zap. GNII glaz. bol. no. 8 139-142 '63.
Results of the use of cysteine in the treatment of cataracts [with summary in English]. V. I. Shulaeva, L. G. Mitsaeva. Uch. zap. GNII glaz. bol. no. 8, 91-95 '63.
Senile cataract in primary glaucoma [with summary in English]. T. V. Zubareva. Uch. zap. GNII glaz. bol. no. 8:80-83 '63.
State of the crystalline lens in persons who have undergone irradiation [with summary in English]. I. S. Lutskov. Uch. zap. GNII glaz. bol. no. 8 62-67 '63.
Study of the effectiveness of fibrin for the prevention of hemorrhages in the anterior chamber following a cataract extraction [with summary in English]. E. O. Sadikova. Uch. zap. GNII glaz. bol. no. 8:101-106 '63.
Use of andaxin in cataract extraction [with summary in English]. F. O. Suksonova, G. A. Petropavlovskaia, R. S. Koptsiovskaia. Uch. zap. GNII glaz. bol. no. 8:109-112 '63.
Use of various means of removing the crystalline lens in the intracapsular extraction of a cataract [with summary in English]. R. A. Gundorova and others. Uch. zap. GNII glaz. bol. no. 8:119-127 '63.

CATHOLIC CHURCH see subdivision under Lithuania

CATHOLIC CHURCH—MISSIONS see subdivision under Cameroons

CATIONS
Selective sorption of cations by oxidized carbon and possibility for its practical utilization. I. A. Tarkovskaia. Ukr. khim. zhur. 29 no. 5:491-496 '63.

CATTLE see subdivision under Ukraine, Western

CATTLE—ANATOMY
Structure of the integument in animals of various constitutional types [with summaries in English, German, and French]. IU. D. Ruban. Vest. sel'khoz. nauki 8 no. 4 63-66 Ap '63.

CATTLE—DISEASES AND PESTS
Specific antigenotherapy in cattle trichophytosis. A. I. Noskov. Trudy VNIIVS 14:86-88 '59.

CATTLE—FEEDING AND FEEDS
(see also subdivision under Kursk Province)
Efficient year-round feeding of cattle with corn, sugar beets and pulse family products. Inform. biul. VDNKH no. 5 26 My '62.

CATTLE—PARASITES see Parasites—Cattle

CATTLE—PHYSIOLOGY
Clinicohematological indices in cattle after external treatment with DDT and hexachlorocyclohexane preparations. I. A. Kuznanov. Trudy VNIIVS 14 15-16 '59.

CATTLE BREEDING
Breeding work in animal husbandry [with summary in English]. E. A. Arzumanian. Izv. TSKHA no. 3 155-165 '63.

CATTLE TRADE see subdivision under Kursk Province

CAUCASIAN STUDIES
Orbeli, I. A. [Selected works] Izbrannye trudy. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1963. 683 p.

CAUCASUS—ATMOSPHERIC TEMPERATURE
Zone of maximum temperature shifts in the Caucasus. S. A. Malik. Priroda 52 no. 8:127 Ag '63.

CAUCASUS—CAVES
Karst caves in the vicinity of the Shusha Plateau [in Azerbaijani with summary in Russian]. N. K. Koremov. Uch. zap. AGU. Ser. geol.-geog. nauk no. 5:51-57 '61.

CAUCASUS—GEOLOGY
Milanovskii, E. E., and V. E. Khain. [Geology of the Caucasus] Geologicheskoe stroenie Kavkaza. [Moskva], Izd-vo Mosk. univ., 1963. 356 p. (Ocherki regional'noi geologii SSSR, no. 6)

CAUCASUS—GEOLOGY, STRATIGRAPHIC
Lower Jurassic sediments in the zone of longitudinal depressions in the alpine part of the northern slope of the western Caucasus. K. O. Rostovtsev. Dokl. AN SSSR 151 no. 3:667-670 Jl '63.

CAUCASUS—GEOLOGY, STRUCTURAL
New concepts of the structure and history of the tectonic development of the Lesser Caucasus. E. F. Milanovskii. Dokl. AN SSSR 151 no. 5,1170-1173 Ag '63.
Tectonics of the southeastern Caucasus as compared to the northwestern Caucasus. A. N. Shardanov. Trudy KF VNII no. 1:137-165 '59.

CAUCASUS—HORNFELS
Conditions governing the formation of hornfels and marbles of the contact aureole in the southwestern part of the Megri-Ordubad batholith. S. A. Bektashi. Uch. zap. AGU. Ser. geol.-geog. nauk no. 5:37-42 '61.

CAUCASUS—MARBLE
Conditions governing the formation of hornfels and marbles of the contact aureole in the southwestern part of the Megri-Ordubad batholith. S. A. Bektashi. Uch. zap. AGU. Ser. geol.-geog. nauk no. 5 37-42 '61.

CAUCASUS—RUNOFF
Annual distribution of the mean runoff of the rivers of the northeastern part of the Lesser Caucasus over a period of many years [in Azerbaijani with summary in Russian]. B. S. Dzhafarov. Uch. zap. AGU Ser. geol.-geog. nauk no. 5 59-70 '61.

CAUCASUS—SERPOPHITE
Talc and serpophite in the weathering surface of serpentinites of the Lesser Caucasus. Sh. I. Allakhverdiev. Uch. zap. AGU. Ser. geol.-geog. nauk no. 5 101-107 '61.

CAUCASUS—TALC
Talc and serpophite in the weathering surface of serpentinites of the Lesser Caucasus. Sh. I. Allakhverdiev. Uch. zap. AGU. Ser. geol.-geog. nauk no. 5 101-107 '61.

CAUCASUS, NORTHERN—BEECH—DISEASES AND PESTS
Fungi causing stock rot in Caucasian beech. B. K. Cherepanov. Les. khoz. 16 no. 6 43-45 Je '63.

CAUCASUS, NORTHERN—BERRIES—DISEASES AND PESTS
Cultivation practices in berry protection. A. G. Lazareva. Zashch. rast. ot vred. i bol. 8 no. 5:34-35 My '63.

CAUCASUS, NORTHERN—EPIDOTE
Isomorphic replacements in the minerals of the epidote group in the Northern Caucasus [with summary in English]. V. V. Ploshko, V. I. Bogdanova. Geokhimiia no. 1: 58-67 Ja '63.

CAUCASUS, NORTHERN—FOREST MANAGEMENT
Principal yield cuttings in mountain forests of the Northern Caucasus. A. I. Il'in. Les. khoz. 16 no. 2 24-29 F '63.

CAUCASUS, NORTHERN—GEOLOGY STRATIGRAPHIC
Lower and Middle Jurassic sediments of the northwestern Caucasus. K. O. Rostovtsev, G. P. Korkov. Sov. geol. 6 no. 8,100-107 Ag '63.
Miocene cross section of the Ukrainian anticline (northwestern Caucasus). V. A. Grossgeim. Trudy KF VNII no. 1:66-71 '59.
Using data on the accessory element content of carbonate rocks as an additional criterion in stratigraphic correlations as illustrated by the study of Paleozoic sediments in the Northern Caucasus. V. V. Naumenko. Geol. zhur. 23 no. 3:95-99 '63.

CAUCASUS, NORTHERN—GEOLOGY, STRUCTURAL
Geological history and structure of the Veysk-Berezan' region in the Scythian platform. A. N. Shardanov, B. M. Nikoforov. Trudy KF VNII no. 1,116-136 '59.

CAUCASUS, NORTHERN—GRAIN—DISEASES AND PESTS
Conference on root rot. P. A. Khizhnik. Zashch. rast. ot vred. i bol. 8 no. 5:58-59 My '63.

CAUCASUS, NORTHERN—ISOMORPHISM
Isomorphic replacements in the minerals of the epidote group in the Northern Caucasus [with summary in English]. V. V. Ploshko, V. I. Bogdanova. Geokhimiia no. 1: 58-67 Ja '63.

CAUCASUS, NORTHERN—LIBRARIES
Meeting of the area soviet for libraries of the Northern Caucasus. O. I. Kuzina. Sov. bibl. no. 4:118-119 '63.

CAUCASUS, NORTHERN—MACHINERY INDUSTRY—FINANCE
Method of accounting for and disclosing the results of business accounting in workshops, brigades and shop sections. A. Borodkin. Bukhg. uchet 29 no. 8:59-62 Ag '63.

CAUCASUS, NORTHERN—MINERAL WATERS
Storehouse of mineral waters; the 100th anniversary of the Russian Balneological Society. L. I. Lonovalov. Priroda 52 no. 8:101-102 Ag '63.

CAUCASUS, NORTHERN—PETROLOGY
Cone-in-cone structures in Lower Cretaceous sediments of the northwestern Caucasus. P. S. Zhabreva. Trudy KF VNII no. 1:237-242 '59.

CAUCASUS, NORTHERN—PROSPECTING—GEOPHYSICAL METHODS
Some results of geophysical studies in the western Caucasus. B. A. Brusov. Prikl. geofiz. no. 30:236-252 '63.

CAUCASUS, NORTHERN—RAILROADS—MANAGEMENT
Technical information on the Northern Caucasus Railroad. V. I. Temerova. Avtom., telem. i sviaz' 7 no. 8: 34-35 Ag '63.

CAUCASUS, NORTHERN—RAILROADS—SIGNALING
Redesigning of centralized traffic control on the Northern Caucasus Railroad. N. I. Stizh. Avtom., telem. i svliaz' 7 no. 7:27-32 Jl '63.

CAUCASUS, NORTHERN—ROOT ROT
Conference on root rot. P. A. Khizhniak. Zashch. rast. ot vred. i bol. 8 no. 5:58-59 My '63.

CAUCASUS, NORTHERN—TRACE ELEMENTS
Using data on the accessory element content of carbonate rocks as an additional criterion in stratigraphic correlations as illustrated by the study of Paleozoic sediments in the Northern Caucasus. V. V. Naumenko. Geol. zhur. 23 no. 3:95-99 '63.

CAUCASUS, NORTHERN—WHEAT—HARVESTING
Harvesting time and the quality of strong wheats. I. G. Galinenko, L. N. Chorba. Zemledelie 25 no. 7:39-42 Jl '63.

CAUCASUS, NORTHERN—WOOD-DECAYING FUNGI
Fungi causing stock rot in Caucasian beech. B. K. Plerov. Les. khoz. 16 no. 6:43-45 Je '63.

CAUSATION
Critical evaluation of the present-day positivist theory of causation. K. I. Ivanova. Nauch. trudy TashGU no. 207:131-150 '62.

CAVES
(see also subdivision under Caucasus)
Experiment "Time" [translated from the French] Michel Siffre. Vokrug sveta no. 1 24-25, 45 Ja '63

CAVITATION
Method for studying the scale factor in cavitation erosion I. L. Varga, B. A. Cherniavskii, F. K. Shal'nev. PMTF no. 3:122-129 My-Je '63.

CELL DIVISION (BIOLOGY)
Stimulation of cell division by dichloroacetyl compounds G. L. Zhdanov and others. Dokl. AN SSSR 151 no. 5:1198-1200 Ag '63.

CELL NUCLEI
Cytochemical properties of the interphase cell nuclei with different physiological functions. N. L. Delone, A. N. Danilina. Dokl. AN SSSR 151 no. 5:1195-1197 Ag '63.

CELLULAR PATHOLOGY see Pathology, Cellular

CELLULOSE
Chromatography of proteins on cellulose ion exchangers. A. IA. Nikolaev. Usp. khim. 32 no. 9:1087-1112 S '63.
Mechanism of cellulose oxidation by atmospheric oxygen in alkaline medium. Chemical composition of the oxidation products [with summary in English]. N. S. Malat, O. P. Golova, L. I. Nikolaeva. Vysokom. soed. 5 no. 6:873-874 Je '63.

CELLULOSE ACETATES
Mechanism of cellulose ester oxidation by oxygen. Part 19: Oxidation of acetylcellulose tagged with radioactive carbon in acetyl groups and in a pyranoring [with summary in English]. O. P. Koz'mina, A. K. Khripunov, V. I. Kurliankina. Vysokom. soed. 5 no. 9:1232-1234 Ag '63.

CELLULOSE ESTERS
Mechanism of the oxidation of cellulose esters by oxygen. Part 16: Resistance of trityl and benzoyl cellulose to thermal oxidative degradation [with summary in English]. O. P. Koz'mina, M. P. Kozlov. Vysokom. soed. 5 no. 7:1054-1058 Jl '63.

CELLULOSE ETHERS
Mechanism of the oxidation of cellulose ethers by oxygen. Part 14: Oxidation of ethyl cellulose [with summary in English]. V. I. Kurliankina, O. P. Koz'mina. Vysokom. soed. 5 no. 6:785-792 Je '63.

CELLULOSE INDUSTRY see subdivision under Tsyurupinsk

CEMENT
Efficient use of cement in manufacturing asbestos cement elements. T. M. Berkovich. Trudy NIIAsbestcementa no. 11:42-60 '61.
Electron microscope study of polymer-cement suspensions. N. L. Sirotkina, V. L. Smolianskii. Zav. lab. 29 no. 8:970-972 '63.
Priority as a gift. I. Melenevskii. Izobr. i rats. no. 7:43-44 '63.
Selection of cements for manufacturing high-quality asbestos-cement products. E. N. Kitaev. Trudy NIIAsbestcementa no. 14:89-102 '62.
Some physicochemical and engineering properties of synthetic hydroferrites and sulfoaluminoferrites of calcium. O. I. Gracheva. Trudy NIIAsbestcementa no. 14:50-62 '62.

CEMENT CLINKERS
Formation of the cement-clinker structure by acoustic coagulation. M. A. Shalima. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 1:127-131 '62.
Hydration and solidification of individual clinker minerals and the effect of an addition of asbestos on these processes. O. S. Volkov, P. N. Sokolov. Trudy NIIAsbestcementa no. 14:3-23 '62.
Interaction of C_3A and C_4AF with gypsum under conditions of hydrothermal processing. O. I. Gracheva. Trudy NIIAsbestcementa no. 11:61-67 '61.
Studying the interaction of clinker minerals with silica by a method of X-ray quantitative phase analysis. O. S. Volkov, O. I. Gracheva, D. M. Kheifets. Trudy NIIAsbestcementa no. 11:68-83 '61.
Synthesis and study of the properties of hydroaluminates and hydrosulfoaluminates of calcium. O. I. Gracheva, A. I. Vikulin. Trudy NIIAsbestcementa no. 11:91-113 '61.

CEMENT INDUSTRIES—BY-PRODUCTS
Waste of cement plants as liming materials. N. I. Allamovskii. Trudy VIUA no. 38:208-212 '61.

CEMENT PLANTS
Centralized procurement of dry mix for delivery by pumping. S. N. Vlasov, IU. V. Lavreshin. Transp. stroi. 13 no. 7:18-20 Jl '63

CEMENTATION (METALLURGY)
High-temperature natural-gas cementation. IA. N. Funshtein, B. IA. Gotlieb, S. K. Kruchinin. Avt. prom. 29 no. 9:41-42 S '63.
A method of obtaining titanium carbide parts. V. P. Samsonov, I. A. Shcherbakov. Titan i ego splavy no. 9:274-277 '63.
New high temperature cementation method of coating aluminum with a layer of lead-silver alloy. O. A. Khan. Trudy Alt. GMNII AN Kazakh. SSR 14:14-22 '63.
Use of gas cementation at the Kirovakan Precision Machine-Tool Plant. A. Ter-Gazarov. Prom. Arm. 6 no. 7:46 Jl '63

CENTAUREA
Anatomicomorphological structure of the embryo and seedlings of Rhaponticum carthamoides (Willd.) Iljin [with summary in English]. M. Vulkhanov. Vest. LGU 18 no. 15:22-28 '63.

CENTO see Central Treaty Organization

CENTRAL ASIA see Asia, Central

CENTRAL ASIA, SOVIET see Soviet Central Asia

CENTRAL CHERNOZEM REGION—FOREST MANAGEMENT
Optimal extent of forests in the Central Chernozem Region. A. A. Molchanov. Les. khoz. 16 no. 2:60-62 F '63.

CENTRAL CHERNOZEM REGION—LEGUMES—HARVESTING
Mechanizing the harvesting of pulse crops. A. E. Lebedev. Zemledelie 25 no. 7:56-58 Jl '63.

CENTRAL CHERNOZEM REGION—PLOWING
Effectiveness of planed fall-plowed fields in the Central Chernozem belt. L. M. Derzhavin. Zemledelie 25 no. 7:30-32 Jl '63.

CENTRAL EUROPE—PLANTS—EVOLUTION
"Cytotaxonomic data on the genesis of Central European flora and vegetation" [in German] by F. Ehrendorfer. Reviewed by V. N. Gladkova. Bot. zhur. 48 no. 7:1067-1069 Jl '63.

CENTRAL INDUSTRIAL REGION—ECONOMIC GEOGRAPHY
Minin, A. A. [Central Industrial Region; a study of its economic geography] TSentral'nyi raion; ekonomiko-geograficheskii ocherk. Posobie dlia uchitelei. Moskva, Uchpedgiz, 1963. 160 p.

CENTRAL TREATY ORGANIZATION
Prokof'ev, V. [The aggressive CENTO bloc] Agressivnyi blok SENTO. Moskva, Izd-vo vostochnoi lit-ry, 1963 103 p

CENTRIFUGAL PUMPS see subdivision under Saratov District; Saratov Province;

CENTRIFUGATION
Developing a method of centrifugation for the study of metallographic problems. I. S. Malashenko. Izv. vys. ucheb. zav.; chern. met. 6 no. 7:169-171 '63.

CERAMIC INDUSTRIES—TECHNOLOGICAL INNOVATIONS
A valuable suggestion. N. Khod'kin. Prom. Arm. 6 no. 7:46 Jl '63.

CERAMIC MATERIALS—TESTING
Electron-microscopic study of the structure of ceramic materials revealed by ionic etching. A. I. Krokhina and others. Izv. AN SSSR. Ser. fiz. 27 no. 9:1224-1227 S '63.
Tracing the development of microcracks in ceramics. V. G. Bravinskii, A. M. Reshetnikov. Izv. AN SSSR. Ser. fiz. 27 no. 9:1219-1223 S '63.

CERAMIC METALS
Elasticity modulus of hard alloys of tungsten carbide-cobalt. M. L. Baskin, V. I. Tumanov, V. F. Funke. Fiz. met. i metalloved. 16 no. 1:113-116 Jl '63

CERAMICS
Study on crystal ceramics. Part 3. IA. G. Geguzin, V. L. Rabets. Izv. vys. ucheb. zav., fiz. no. 4:106-112 '63.

CEREBELLUM—TUMORS
Arterial hypertonia as an early symptom of a cerebellar tumor. M. A. Vashchenko, IA. M. Balaban. Vrach. delo no. 5:130-132 Je '63.

CEREBRAL ARTERIOSCLEROSIS
Atherosclerotic cerebrasthenia. IU. E. Rakhal'skii. Trudy 1-go MMI 21:85-94 '63
Atherosclerotic dementia. IU. E. Rakhal'skii. Trudy 1-go MMI 21:95-108 '63
Cerebral atherosclerosis as a general problem of medicine (in place of a preface). V. M. Banshchikov. Trudy 1-go MMI 21:10-18 '63.
Cerebral atherosclerosis with mental disorders in old age. V. M. Banshchikov. Trudy 1-go MMI 21:44-57 '63.
Clinical aspects and work capacity of patients with reactive states in cerebral atherosclerosis. P. M. Popov. Trudy 1-go MMI 21:174-183 '63
Clinical electroencephalographic study of reactive states in patients suffering from cerebral atherosclerosis. P. M. Popov. Trudy 1-go MMI 21:308-321 '63
Diagnosis of senile dementia in cerebral atherosclerosis. V. K. Skobnikova. Trudy 1-go MMI 21:502-510 '63.
Diagnostic significance of rheoencephalography in cerebral atherosclerosis with mental disorders. I. S. Romanova, M. A. Ronkin. Trudy 1-go MMI 21:362-373 '63.
Differential diagnosis of vascular (atherosclerotic) disorders and presenile psychoses. G. M. Molchanov. Trudy 1-go MMI 21:241-260 '63.
Diffuse changes in the brain in atherosclerosis with mental disorders, clinical morphological investigation. IU. E. Rakhal'skii, P. B. Kazakova. Trudy 1-go MMI 21:453-470 '63.
Disorders of consciousness in atherosclerosis of the vessels of the brain. IU. E. Rakhal'skii. Trudy 1-go MMI 21:58-66 '63.
Dynamics of venous and arterial pressure in various stages of atherosclerosis of the vessels of the brain with mental disorders. V. V. Gromova. Trudy 1-go MMI 21:322-335 '63.
Effect of arterial hypotension on the clinical picture of cerebral atherosclerosis, a clinical observation. V. M. Banshchikov, A. P. Aleksandrova, G. V. Ryzhikov. Trudy 1-go MMI 21:76-84 '63
Mechanisms of the course of atherosclerotic disorders of the psyche. IU. E. Rakhal'skii. Trudy 1-go MMI 21:67-75 '63.
Organization principles of psychoneurological aid to patients with cerebral atherosclerosis with neuropsychic disorders and other vascular diseases, according to data from Moscow Province. A. M. Chirkov. Trudy 1-go MMI 21:517-555 '63.
Pathomorphological changes in the brain in atherosclerotic dementia with no insultus in the course of the clinical picture. P. B. Kazakova. Trudy 1-go MMI 21:430-452 '63.
Peculiarities in the nocturnal sleep of patients with atherosclerosis of the vessels of the brain with mental disorders according to electroencephalography data. V. I. Fedorisov, G. N. Fedorovskii. Trudy 1-go MMI 21:192-203 '63.
Structure and characteristics of depressive states in vascular (atherosclerotic) and presenile psychoses. G. M. Molchanov. Trudy 1-go MMI 21:227-240 '63.
Use of linetol for treating cerebral atherosclerosis under polyclinic conditions. I. P. Fesenko. Sov. med. 27 no. 7:93-94 Jl '63.
Work capacity of patients at various stages in the course of cerebral atherosclerosis. M. S. Rozova. Trudy 1-go MMI 21:162-173 '63.

CEREBRAL CORTEX
Cholinesterase activity in cortical points of the cerebral hemispheres during the establishment of unilateral conditioned reflexes [with summary in English]. V. S. Kononenko. Zhur. vys. nerv. deiat. 13 no. 2:280-285 Mr-Ap '63
Current viewpoints on the reticular formation and central encephalic system. D. Mateev. Zhur. vys. nerv. deiat. 13 no. 2:243-254 Mr-Ap '63.
Extinction of reactions to sensory stimuli in a single neuron of the visual cortex in an unanesthetized rabbit [with summary in English]. O. S. Vinogradova, D. F. Lindsley. Zhur. vys. nerv. deiat. 13 no. 2:207-217 Mr-Ap '63.
Induced potentials in the cerebral cortex of hibernating animals. M. B. Shtark, V. P. Danilyuk. Dokl. AN SSSR 151 no. 3:740-743 Jl '63.
Mechanism of the effect of aminazine on the central nervous system [with summary in English]. E. A. IAkovleva. Zhur. vys. nerv. deiat. 13 no. 2:267-275 Mr-Ap '63.
Relations between some zones of the auditory cortex [with summary in English]. IA. A. Al'tman, A. S. Iontov. Zhur. vys. nerv. deiat. 13 no. 2:330-337 Mr-Ap '63.
Ribonuclease activity in different functional zones of the cerebral cortex. G. A. Nechaeva. Dokl. AN SSSR 152 no. 1:225-227 S '63.

CEREBRAL PALSY

Results of compound treatment of children with spastic paralysis at the Yevpatoriya Health Resort K A. Semenova, E.S. Dotsenko. Vop.kur., fizioter. i lech. fiz.kul't. 27 no.5 409-412 S-O '62.

CEREBROSPINAL FLUID

Burgman, G.P. [Cytology of the cerebrospinal fluid in brain tumors] TSitologiia spinnomozgovoi zhidkosti pri opukholiakh mozga Moskva, Medgiz, 1963 179 p (DNLM)

Content of phthivazide in the cerebrospinal fluid in tuberculous meningitis in children [with summary in English] F.P Gutnik. Probl. tub 41 no 3 50-52 '63

Effect of caffeine on the vessels of the brain of mental patients. IU A. Mileikovskii Trudy 1-go MMI 21 293-307 '63.

CEREBROVASCULAR DISEASE

Chronic hypertonic encephalopathy following a cerebral insultus. V.N. Vdovin. Vrach. delo no. 8:114-115 Ag '63.

Clinical aspects of psychoses in vascular diseases of the brain, atherosclerosis and hypertension V.N Belousova. Trudy 1-go MMI 21:29-43 '63

Cochleovestibular disorders in vascular diseases of the brain G.P Sushcheva Vest. otorin no. 1 26-31 '63

Content of adrenaline and adrenalinelike substances in the blood of patients with schizophrenia and vascular diseases of the brain with mental disorders. L.I. Lando, IU L. Zakhar'in Trudy 1-go MMI 21.389-106 '63.

Craniocerebral trauma and its significance in the genesis of vascular diseases A.T Mashiev, L.G. Urusova, G.K. Zairov. Trudy 1-go MMI 21:147-151 '63

Differential diagnosis of atrophic and vascular diseases of the brain. B M. Bul'fovich Trudy 1-go MMI 21 285-292 '63.

Dynamics of arterial pressure in vascular diseases of the brain with mental disorders. O.E Dekhtiar'. Trudy 1-go MMI 21 380-388 '63.

Erroneous diagnosis of the inflammatory process in vascular lesions of the brain. V K. Skobnikova. Trudy 1-go MMI 21:181-501 '63.

Errors in the differential diagnosis between a vascular lesion and a tumor of the brain. V.K. Skobnikova. Trudy 1-go MMI 21:471-183 '63.

Neurological symptomatology in vascular psychoses. V.N. Belousova. Trudy 1-go MMI 21:120-127 '63.

Organization principles of psychoneurological aid to patients with cerebral atherosclerosis with neuropsychic disorders and other vascular diseases, according to data from Moscow Province. A.M. Chirkov Trudy 1-go MMI 21 547-555 '63

Psychopathological disorders in vascular lesions of the brain. B.K. Bogolepov. Trudy 1-go MMI 21 109-119 '63.

Psychoses in conjunction with vascular lesions of the brain and senile dementia. V.P. Kushelev. Trudy 1-go MMI 21:511-519 '63.

Vascular disorders in the brain in methallyl chloride intoxication. V.V. Russkikh. Trudy 1-go MMI 21:534-546 '63.

Vegetative tests in patients with vascular psychoses; preliminary report. V N Tiul'mankov. Trudy 1-go MMI 21:371-370 '63.

CERIUM COMPOUNDS

Study of the system $CePO_4$ - H_3PO_4- H_2O at 25°C. A. I. Ul'ianov, T. I. Kazakova. Izv. AN SSSR, Ser. khim. no. 7:1157-1164 Jl '63.

CESAREAN SECTION

Andrilash, L. T. [Cesarean section of cows] Kesarevo sechenie u korov. Moskva, Gos. izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1961. 103 p. (DNAL)

CESIUM CHLORIDE—THERMAL PROPERTIES

Calculating the heat capacity of a CsCl-type lattice by the Houston method V A. Zhdanov, V V Katal'nikov Fiz met i metalloved 16 no 1 148-149 Jl '63

CESIUM CHLORIDE CRYSTALS—ELASTIC PROPERTIES

Third-order elastic constants of CsCl type crystals. A. A. Nran'ian. Fiz. tver. tela 5 no. 7:1865-1868 Jl '63.

CESTODA

(see also subdivision under Kazakhstan; Turgay Tableland)

Developmental cycle of the cestode Multiceps endothoracicus Kirschenblat, 1948. E. V. Gvozdev, A I. Agapova Trudy Inst. zool. AN Kazakh. SSR 19:72-82 '63

CEYLON—COMMUNIST PARTY

Sheveleva, E. V. [People who are taller than palms] Liudi, kotorye vyshe pal'm Moskva, Gospolitizdat, 1963. 61 p.

CEYLON—DANCING

"Fire walkers," A. Matiushin. Az. i Afr. seg. no. 8:56 Ag '63.

CHACO BOREAL, PARAGUAY—DESCRIPTION AND TRAVEL

Under the cover of a drunken forest [translated from the English] J Darrel. Vokrug sveta no 1 55-57 Ja '61

CHALCOPYRITE see subdivision under Gay region (Orenburg Province), Ural Mountains

CHALK see subdivision under Germany, East

CHARACTERS AND CHARACTERISTICS IN LITERATURE

A heart which contains the whole world I. Fomenko Mol. komm. no. 7:41-47 Jl '63

CHARTERS

Two charters given to Chudov Monastery (16th century). V. B. Kobrin. Zap. Otd. ruk. no. 25 289-322 '62.

CHATKAL RANGE—URANIUM ORES

Forms of uranium occurrences in granitoid rocks of the Kurama zone (Central Asia). I. E. Smorchkov, S G TSeitlin, N. M. Batyreva. Trudy IGEM no. 99:60-67 '63.

CHAVANTE INDIANS see subdivision under Brazil

CHEBOKSARY—COMMUNIST PARTY OF THE SOVIET UNION

Why did they cancel the meeting? P. Ivanov. Part. zhizn' no. 16 42 Ag '63.

CHEBYSHEV POLYNOMIALS

Practical methods of the expansion of the field of meteorological elements in respect to Chebyshev polynomials. N I. Zverev, I. P. Puraganskaia. Trudy TSIP no. 123 78-86 '63.

CHECHEN-INGUSH A. S. S. R.—OIL FIELDS—FIRES AND FIRE PREVENTION

Hundred-day watch. G. Bogachev. Pozh. delo 9 no. 8: 18 Ag '63.

CHECHEN-INGUSH A. S. S. R.—YOUNG MEN AS AUTHORS

This is "TOM." Vl. Priadko. Mol. komm no. 7:58-59 Jl '63.

CHECKERS

Sheep and wolves; game. Tekh. mol. 30 no. 11:40 '62.

CHEKHOV, ANTON PAVLOVICH, 1860-1904

Taganrog. Gosudarstvennyi pedagogicheskii institut. [A. P. Chekov, the great word artist, papers] A. P. Chekhov — velikii khudozhnik slova, sbornik statei. [Rostov-na-Dony] Rostovskoe knizhnoe izd-vo, 1960. 260 p. (ICU)

V. G. Korolenko's first letter to A. P. Chekhov, March 14, 1902. V. M. Fedorova. Zap. Otd. ruk. no. 25:420-422 '62.

CHELATES

Polymers with chelate bonds, derivatives of 8-hydroxyquinoline L I Aristov, V. V Konstantinov Izv TPI 111 101-106 '61

CHELIUSKIN EXPEDITION, 1933-1934

An ice epic. E. Suzumov. Mol. komm. no. 8:103 Ag '63.

CHELKAR, LAKE—NEMATODA

Philometra leuciscl, a new species of fish nematodes in Kazakhstan. A. I. Agapova. Trudy Inst. zool AN Kazakh SSR 19:137-138 '63.

CHELKAR, LAKE—PARASITES—LEUCISCUS

Philometra leuciscl, a new species of fish nematodes in Kazakhstan. A. I. Agapova. Trudy Inst. zool AN Kazakh SSR 19:137-138 '63.

CHELYABINSK—INFLUENZA

Influenza incidence among medical workers during the influenza epidemic in January 1962. I. M. Matovskii, L. L. Serednina, O. G. Kornushkina. Zdrav. Ros. Feder. 7 no. 7:15-17 Jl '63.

CHELYABINSK—PIPE MILLS

In the "1020" steel pipe mill. N. Kugaevskii. Agitator no. 12:34-36 Je '63.

CHELYABINSK BASIN—ROCK PRESSURE

Study of the occurrence of rock pressure in the support zone. N. T. Lysenko. Trudy Inst. gor. dela UFAN SSSR no. 5:49-54 '63.

CHELYABINSK BASIN—SUBSIDENCES (EARTH MOVEMENTS)

Causes of deformations in the working areas of mines in the Chelyabinsk Basin. A. G. Bakharev. Trudy Inst. gor. dela UFAN SSSR no. 5:55-60 '63.

CHELYABINSK PROVINCE—AGRICULTURAL LABORATORIES

Thoughts of an agronomist. N. V. Artiukov. Zemledelie 25 no. 9:48-50 S '63.

CHEMICAL APPARATUS

Attachment for working with solutions sensitive to the action of air. A. A. Voskresenskii. Zav. lab. 29 no. 8:1012-1013 '63.

Automation of the apparatus for washing fractions in the tar distillation shops of the coking and coal chemical plants. N. S. Zurakhinskii. Koks i khim. no. 8:37-40 '63.

CHEMICAL APPARATUS—CORROSION

Use of wire reinforced faolite for the protection of chemical apparatus. Z. I. Levchenko, N. M. Dankova. Koks i khim. no. 10:49-50 '62.

CHEMICAL APPARATUS—WELDING

Reconditioning of thick-walled high pressure apparatus by means of electric arc welding. G. Kh. Farber, D. G. Nikitin. Khim. mashinostr. no. 4 29-32 Jl-Ag '63.

CHEMICAL BONDS

Effect of the type of covalent bond on the spin-lattice relaxation of an octahedral complex with one magnetic electron. I. V. Ovchinnikov. Fiz. tver. tela 5 no. 7: 1887-1893 Jl '63.

Physical meaning of force constants and the construction of the potential function of polyatomic molecules. L. A. Gribov. Dokl. AN SSSR 151 no. 3:612-615 Jl '63.

Relationship between the melting point of crystalline matter and the type of chemical bond. A. S. Povarennykh. Sbor. nauch. trud. KGRI no. 7 7-19 '59.

Scale of the luminosity of minerals and the chemical bond. A. S Povarennykh. Sbor. nauch. trud. KGRI no. 7:19-28 '59.

CHEMICAL COMPOUNDS—ABSORPTION SPECTRA

Processes involved in intermolecular electron transfer under pulsed illumination. O. D. Dmitrievskii, A. N. Terenin. Dokl AN SSSR 151 no. 1:122-124 Jl '63.

CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES (see also subdivision under Japan)

[Chemical and refrigeration machinery manufacture] Ref. zhur. Khim. i khol. mashinostr. nos. 9-10 S-O '63.

Design of perforated thin-walled cylinders and plates. IU A. Smolentsev. Khim. mashinostr. no. 4 23-28 Jl-Ag '63.

For improved efficiency in design and construction work. B. A Frshov. Khim. mashinostr. no. 4:32-33 Jl-Ag '63.

Hydrodynamic ultrasonic emulsifier. I. I. Mitin, M. A. Sokolov. TSvet. met. 36 no. 8:83-84 Ag '63.

Mechanization of the lifting of a binding clip on three-roller machines. N. M. Stepanov-Grebennikov. Khim. mashinostr. no. 4:37 Jl-Ag '63.

New machines, apparatus, and devices. Khim. mashinostr. no. 4:44-45 Jl-Ag '63.

News of technology abroad. Khim. mashinostr. no. 4: 45-46 Jl-Ag '63.

CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES—BIBLIOGRAPHY see Bibliography—Chemical engineering—Equipment and supplies

CHEMICAL EQUILIBRIUM

Kirpikov, V. A. [Introduction to the thermodynamics of chemical and phase transitions] Vvedenie v termodinamiku khimicheskikh i fazovykh prevrashchenii. Pod red. A. A. Gukhmana. [Moskva] Rosvuzizdat, 1963. 60 p.

CHEMICAL INDUSTRIES

(see also subdivision under Aktyubinsk, Middle Volga Economic region, Ryazan, Soviet Central Asia; Turkmenistan; United States)

Coal is a valuable chemical raw material. K. Zvagintsova. Sov. Shakht. 12 no. 6:45-46 Je '63.

Major industrial chemical complexes are in the front row of the struggle for communism. L. Erzinkian. Prom. Arm. 6 no. 7:6-10 Jl '63.

Role played by the petroleum refining industry in the creation of major industrial chemical complexes I. A. Anisimov, N. D. Pinigin, S. S. Rykova. Khim. i tekh. topl. i masel 8 no. 8:30-31 Ag '63.

CHEMICAL INDUSTRIES—INDUSTRIAL CAPACITY

Use equipment to full capacity. M. Raiskina. Fin. SSSR 37 no 8.20-23 Ag '63.

CHEMICAL INDUSTRIES—MATHEMATICAL MODELS see subdivision under Czechoslovakia

CHEMICAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS see subdivision under Armenia

CHEMICAL MACHINERY

Vedernikov, M. I., and I. V. Rudol. [Operator of compressor and pumping machinery in the chemical industry] Mashinist kompressornykh i nasosnykh ustanovok khimicheskoi promyshlennosti. Moskva, Profizdat, 1963. 374 p.

CHEMICAL MACHINERY—STANDARDS

Standardization in the chemical machinery industry. Standartizatsiia 27 no. 7:51 Jl '63.

CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Eliminate deficiencies in planning and construction. A. Vlasov. Fin. SSSR 37 no. 8:15-20 Ag '63.

CHEMICAL PLANTS -- DESIGN AND CONSTRUCTION (Continued)

New method of three-dimensional design in the system of design institutes of the State Committee of the Council of Ministers of the U. S. S. R. on chemistry. Inform. biul. VDNKH no. 5 8-9 My '62.

CHEMICAL REACTION, RATE OF

Kinetics of heterogeneous reactions under anisothermal conditions. S. D. Fedoseev. Dokl. AN SSSR 151 no. 3 638-641 Jl '63.

Kinetics of stationary reactions. M. I. Temkin. Dokl. AN SSSR 152 no. 1.156-159 S '63.

On the resonance theory of chemical reaction rates. A. M. Brodskii, A. IA. Temkin. Dokl. AN SSSR 152 no. 1.127-130 S '63.

Problem of the preferred direction of free-radical reactions. L. A. Muzychenko. Izv. vyg. ucheb. zav., khim. i khim. tekh. 6 no. 2 213-217 '63.

Relation between the activation energy of some electrochemical and catalytic processes and the properties of metals. V. V. Demchenko. Zhur. fiz. khim. 37 no. 8 1849-1851 Ag '63.

Unusual values of effective activation energy in concentration polarization. S. V. Grobachev, E. M. Z. Shmidt. Zhur. fiz. khim. 37 no. 8 1877-1880 Ag '63.

CHEMICAL REACTIONS

Negative temperatures arising in chemical reactions [with summary in English] A. N. Oraevskii. Zhur. eksp. i teor. fiz. 45 no. 2 177-179 Ag '63.

CHEMICAL REACTORS

Operating conditions in a chemical flow reactor when an exothermal monomolecular reaction is taking place. I. E. Sal'nikov, B. V. Vol'ter. Dokl. AN SSSR 152 no. 1 171-174 S '63.

Role of the surface in the chain propagation reaction in the liquid phase oxidation of n-butane. E. A. Blumberg, IU. D. Norikov, N. M. Emanuel'. Dokl. AN SSSR 151 no. 5.1127-1130 Ag '63.

CHEMICAL REDUCTION see Reduction, Chemical; Reduction, Electrolytic

CHEMICAL STRUCTURE

Action of ions on the mutual ordering of water molecules in aqueous solutions. V. I. Fikhomirov. Zhur. struk. khim. 4 no. 1 521-526 Jl-Ag '63.

Calculation of the conformation of some derivatives of naphthalene. V. G. Dashevskii. Zhur. struk. khim. 4 no. 4 637-640 Jl-Ag '63.

Chemical structure of the albomycin antibiotic. L. G. Makovnina, N. A. Poddubnaia. Vest. Mosk. un. Ser. 2 Khim. 18 no. 4 83-87 Jl-Ag '63.

Relation of properties and reactivity of X-substituted methanes with their structure. IU. G. Papulov. Zhur. struk. khim. 4 no. 4 617-621 Jl-Ag '63.

Structure of complexes formed by aliphatic organolithium compounds. A. N. Rodionov and others. Dokl. AN SSSR 151 no. 5.1131-1134 Ag '63.

Structure of sodium paratungstate. V. IA. Kabanov. Zhur. struk. khim. 4 no. 4 622-623 Jl-Ag '63.

Structure of water. Zhur. struk. khim. 4 no. 4 499-501 Jl-Ag '63.

Thermochemical study of the stabilization of the structure of water by molecules of a nonelectrolyte. M. N. Buslaeva, O. IA. Samoilova. Zhur. struk. khim. 4 no. 4 502-506 Jl-Ag '63.

CHEMICALS—PHYSIOLOGICAL EFFECT

First aid in poisoning by toxic chemicals. IU. S. Kagan. Med. sestra 22 no. 6.34-35 Je '63.

CHEMISTRY

Starodubtsev, S. IA. [Short course on chemistry] Kratkii kurs khimii. Moskva, Mosk. energ. in-t, No. 41. 1962. 108 p.

CHEMISTRY—ABSTRACTS

[Chemistry] Ref. zhur., Khim. nos. 11, 14-15, 17 Je-S '63.

CHEMISTRY—AUDIO-VISUAL AIDS

Fel'di, V. V. [Drawings in the teaching of chemistry; a teachers' manual] Risunok v prepodavanii khimii; posobie dlia uchitelei. Moskva, Uchpedgiz, 1963. 138 p.

CHEMISTRY—BIBLIOGRAPHY see Bibliography—Chemistry

CHEMISTRY—CONGRESSES

Konferentsiia molodykh nauchnykh rabotnikov, goroda Kazani. ist. Kazan', 1959. [Materials of the First Conference of Young Scientists of Kazan, May 11-13, 1959; chemistry section] Materialy. sektsiia khimicheskaia. Nauchnyi rukovoditel' sektsii G. S. Vozdvizhenskii. Kazan', Akad. nauk SSSR, 1960. 151 p. (ICMILC)

CHEMISTRY—HANDBOOKS, MANUALS, ETC.

"Concise reference book on chemistry" by I. T. Gronovskii, IU. P. Nazarenko, E. F. Nekriach. Ukr. khim. zhur. 29 no. 5.548 '63.

CHEMISTRY—LABORATORY MANUALS

Moscow. Institut narodnogo khoziaistva. Kafedra obshchei khimii. [Laboratory manual on general chemistry, for the students of the institutions of higher learning specializing in the study of commodities and technology] Rukovodstvo k prakticheskim zaniatiiam po obshchei khimii dlia studentov tovarovednykh i tekhnicheskikh spetsial'nostei vysshikh uchebnykh zavedenii. Pod obshchei red. S. P. Gaseva. Moskva, 1962. 206 p.

CHEMISTRY—STUDY AND TEACHING

Class held at a blast furnace. I. V. Man'ko. Khim. v shkole 18 no. 3 67-69 My-Je '63.

Editor's mail. Khim. v shkole 18 no. 3 88-90 My-Je '63.

Inculcating the dialectico-materialistic philosophy in students during chemistry lessons. I. M. Perepelova. Khim. v shkole 18 no. 3 55-61 My-Je '63.

Independent work of students in chemistry lessons. R. P. Lapina. Khim. v shkole 18 no. 3 61-66 My-Je '63.

Institutions of higher learning and secondary schools. V. F. Skobelev. Khim. v shkole 18 no. 3 71-75 My-Je '63.

On G. P. Khomchenko's article "Coordination between teaching of chemistry in secondary schools and in institutions of higher learning." A. G. Kul'man. Khim. v shkole 18 no. 3 70-71 My-Je '63.

Studying the topic "Fundamental chemical concepts" in the ninth grade. P. V. Glorozov. Khim. v shkole 18 no. 3 25-35 My-Je '63.

Syroezhkin, I. T. [Activating the teaching of chemistry in schools] Aktivizatsiia prepodavaniia khimii v shkole, iz opyta raboty uchitelei. Moskva, Uchpedgiz, 1963. 101 p.

CHEMISTRY—TEACHER TRAINING

Republic-wide "Pedagogical lectures" in 1963. T. M. Dirzovskaia. Khim. v shkole 18 no. 4 03-06 My-Je '63.

CHEMISTRY, ANALYTICAL

Development of analytical chemistry in 1962 (survey). A. K. Babko. Zav. lab. 29 no. 8.901-919 '63.

CHEMISTRY, ANALYTICAL—QUANTITATIVE

Quantitative analysis of impurities in chloroform from their infrared absorption spectra. V. I. Kolbasov, S. B. Bardenshtein, R. V. Dzhagatspanian. Zav. lab. 29 no. 8.938-940 '63.

Quantitative determination of sodium and potassium chlorides in their mixtures by the extraction method. V. V. Kobzev, A. A. Zan'ko. Ukr. khim. zhur. 29 no. 6 627-631 '63.

CHEMISTRY, INORGANIC—NOMENCLATURE

Conference on the nomenclature of inorganic compounds. Vest. Mosk. un. Ser. 2 Khim. 18 no. 4 94 Jl-Ag '63.

CHEMISTRY, MEDICAL AND PHARMACEUTICAL

One out of ten thousand. G. N. Pershin. Zdorov'e 9 no. 5-2-3 My '63.

CHEMISTRY, ORGANIC—EXPERIMENTS

Conducting practical work in organic chemistry. I. N. Chertkov. Khim. v shkole 18 no. 3 41-50 My-Je '63.

Practical work in organic chemistry. Khim. v shkole 18 no. 3 36-43 My-Je '63.

CHEMISTRY, ORGANIC—RESEARCH

A loaf of "chemical" bread. IE. Karasilchuk. Ukraina no. 20.4-5 Ag '63.

CHEMISTRY, ORGANIC—STUDY AND TEACHING

Introductory course in organic chemistry and industrial training. V. G. Andronova. Khim. v shkole 18 no. 3 51-54 My-Je '63.

CHEMISTRY, ORGANIC—SYNTHESIS

"Diene synthesis" by A. S. Onishchenko. Reviewed by I. V. Torgov, L. S. Povarov. Vest. AN SSSR 33 no. 9: 101-102 S '63.

CHEMISTRY, PHYSICAL AND THEORETICAL

Application of a simple interpolation formula for calculating various properties and parameters of processes. M. Kh. Karapet'iants. Zhur. fiz. khim. 37 no. 8.1885-1887 Ag '63.

CHEMISTRY, TECHNICAL

About Zubarev's book "Chemistry in a workshop." V. P. Kandalov. Khim. v shkole 18 no. 3 91 My-Je '63.

Skvortsov, V. N., ed. [Applied chemistry in machinery manufacture] Prikladnaia khimiia v mashinostroenii; sbornik statei. Moskva, Mashgiz, 1955. 65 p.

CHEMISTRY, TECHNICAL—RESEARCH

In the Scientific Council of the "New processes in the coke and coal chemicals industry." A. A. Liubimov. Koks i khim. no. 6 63-64 '63.

CHEMISTRY, TECHNICAL—STUDY AND TEACHING see subdivision under Minsk

CHEMOTHERAPY

Ambulatory treatment of pulmonary tuberculosis patients with antibacterial preparations and artificial pneumothorax in a rural medical district [with summary in French]. A. P. Mansurov. Probl. tub. no. 8 17-22 '63.

Prednisolone in compound treatment of tuberculosis [with summary in French]. V. V. Malov, S. A. Kovalchuk. Probl. tub. 41 no. 3 26-30 '63.

Reactions of the macroorganism to the action of some antituberculotic drugs [with summary in English]. V. I. Chernukh. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3 347-357 '63.

Results of antibacterial therapy of chronic fibrocavernous pulmonary tuberculosis. L. E. Sorkin and others. Probl. tub. no. 8 75-78 '62.

Skin tuberculin sensitivity in pulmonary tuberculosis during antibacterial therapy [with summary in French]. S. P. Gefter, B. M. Migdalovich, I. S. Golubeva. Probl. tub. 41 no. 3 34-37 '63.

Some manifestations of hyperfunction of the pituitary adrenal system in tuberculosis patients following antibacterial therapy. N. Kh. Pletnev, V. S. Liberman, G. I. Sunbatov. Probl. tub. 41 no. 3 79-80 '63.

CHERENKOV RADIATION

Calculating the intensity of Vavilov-Cherenkov radiation with allowance for dispersion [with summary in English]. V. P. Zrelov. Zhur. eksp. i teor. fiz. 45 no. 2.281 Ag '63.

CHEREPANOVO—COMMUNIST YOUTH LEAGUE

The name isn't too important. A. Murashov. Mol. kolkhoznik no. 7.84-85 Jl '63.

CHEREPOVETS—FEED MILLS

We have increased the production of mixed feeds. IU. Kuptsov. Muk.-elev. prom. 29 no. 3.27 Mr '63.

CHEREPOVETS—REVOLUTION, 1917-1921

Pavlovtsev, P. L. [Unforgettable years, reminiscences of a participant in revolutionary events in the city of Cherepovets] Nezabyvaemye gody; vospominaniia uchastnika revoliutsionnykh sobytii v gor. Cherepovets. [Vologda] Vologodskoe knizhn. izd-vo, 1962. 111 p. (CSt-H)

CHERKASOV, NIKOLAI KONSTANTINOVICH, 1903-

Actor and his time. IU. Zubkov. Ogonek 41 no. 2809 Jl '63.

CHERKASSY PROVINCE—LAW—STUDY AND TEACHING

Soviet law study groups on collective farms. D. Gavshin. Sots. zakon. 40 no. 7 12-13 Jl '63.

CHERNIGOV—INDUSTRIES

One hundred thousand owners. Oleksandr Lukianenko. Ukraina no. 15.2-3 Jl '63.

CHERNOV, ALEKSANDR ALEKSANDROVICH, 1877-1963

Aleksandr Aleksandrovich Chernov; obituary. V. A. Varsanof'eva. Biul. MOIP, Otd. geol. 38 no. 3 120-122 My-Je '63.

Eighty-fifth birthday of Aleksandr Aleksandrovich Chernov and the 60th anniversary of his research, teaching, and social activities. P. D. Kalunin. Trudy Inst. geol. Komi fil. AN SSSR no. 10 5-14 '62.

CHERNOVTSY PROVINCE see Bukovina

CHERNYSHEV, NIKOLAI MIKHAILOVICH

Works by two of the oldest Soviet artists. A. Paramonova. Iskusstvo 26 no. 5.43-48 '63.

CHERNYSHEV RIDGE—GEOLOGY, STRATIGRAPHIC

Boundary of the Lower and Middle Carboniferous in the Chernyshev Ridge. A. I. Eliseev. Trudy Inst. geol. Komi fil. AN SSSR no. 3.51-54 '62.

CHERNYSHEVSKII, NIKOLAI GAVRILOVICH, 1828-1889

Pokusaev, E. I., ed. [N. G. Chernyshevskii; articles, studies, and materials] Chernyshevskii; stat'i, issledovaniia i materialy. [Saratov] Izd-vo Saratovskogo univ. Vol 2. 1961. (NN)

Porokh, I. V. [Herzen and Chernyshevskii] Gertsen i Chernyshevskii. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 211 p.

CHERNYSHEVSKII, NIKOLAI GAVRILOVICH, 1828-1889—HOMES AND HAUNTS

Saratov. Dom muzei N. G. Chernyshevskogo. [Guide to the N. G. Chernyshevskii Museum] Putevoditel'. [Saratov] Saratovskoe knizhnoe izd-vo, 1962. 97 p. (MH)

CHERRY see subdivision under Moscow Province

CHERRY—DISEASES AND PESTS see subdivision under Ukraine

CHERRY FRUIT FLY—EXTERMINATION

Cherry fruit fly. A. A. Meriukov. Zashch. rast. ot vred. i bol. 8 no. 7 53 Jl '63.

CHESS

Chess. Sov. profsoiuzy 19 no. 14.48 Jl '63.

Panov, V. N. [Chess, an interesting game] Shakhmaty - interesnaia igra. [Moskva] Izd-vo "Molodaia gvardiia," 1963. 140 p. (V pomoshch' pioneru-instruktoru)

CHESS—COLLECTIONS OF GAMES

Simagin, V. P. [The best games] Luchshie partii. Moskva, Izd-vo "Fizkul'tura i sport," 1963. 112 p.

CHESS—TOURNAMENTS

We invite you to a tournament! Kul't. i zhizn' 7 no. 5:18 '63.

CHESSMEN

Vasil'ev, V. I. [The seventh veil] Sed'maia vual' [Moskva] Molodaia gvardiia, 1963. 221 p.

CHICAGO—ORTHODOX EASTERN CHURCH, UKRAINIAN

Bratstvo Sv. Velykomuchenyka IUriia Peremozhtsia, Chicago. [Memorial book, published in commemoration of the act of blessing the banner of St. George's Fraternity, March 5, 1963] Propam'iatna knyha; vydana z nahody posviazhennia prapora Bratstva 5-oho travnia 1963 roku. [Chicago] 1963. 48 p.

CHICKEN CHOLERA

Survival of Pasteurella avis in the carcasses of birds. V. G. Zhalov, A. A. Poliakov. Trudy VNIIVS 14:17-49 '59.

CHILD STUDY

Conditioned reflexes to time established by the prevalent participation of the second signal system. A. S. Dmitriev, T. V. Tushnova, R. IA. Shikhova. Nauch. dokl. vys. shkoly, biol. nauki no. 3:78-82 '63.

Development of higher nervous activity in children. O. Kul'chyts'ka. Doshk. vykh. 24 no. 9:4-7 S '63.

CHILDBIRTH—PSYCHOLOGY

(see also subdivision under Poltava Province)

Ptoticher, V. A. [Psychoprophylaxis of pain in labor] Psikhoprofilaktika boli pri rodakh, materialy dlia sanitarno-prosvetitel'noi raboty. Nauchn. redaktor A. P. Nikolaev. S predisl. I. Z. Vel'vovskogo. Moskva, Medgiz, 1954. 64 p. (DNLM)

CHILDREN

(see also subdivision under Japan)

Children are the future of humanity. Doshk. vosp. 36 no. 6:1-3 Je '63.

Let the sun shine on the children of the world. Doshk. vykh. 24 no. 6:1-3 Je '63.

Timofeeva, Z. N., and others. [The International Child Protection Day. figures and facts] Mezhdunarodnyi den zashchity detei; tsifry i fakty. Moskva, Izd-vo "Znanie," 1963. 42 p. (V pomoshch' lektoriy)

CHILDREN—CARE AND HYGIENE

Editor's mail. G. Kazantsev and others. Sem'ia i shkola 18 no. 6:21-28 Je '63.

Let's use summer to strengthen children's health. Doshk. vosp. 36 no. 6:7-9 Je '63.

Ostrovskaia, I. M. [Anatomicophysiological characteristics of children; organization of the care and nutrition of children] Anatomo-fiziologicheskie osobennosti detskogo vozrasta, organizatsiia ukhoda za det'mi i ikh pitaniia. Izd. 3., ispr. i dop. Moskva, Medgiz, 1963. 231 p. (DNLM)

Preventing nervousness in children. G. E. Sukhareva. Zdorov'e 9 no. 5:10-12 My '63.

Skin and hair care. I. Liberman. Doshk. vosp. 36 no. 6: 102-104 Je '63.

CHILDREN—DISEASES

Age-related characteristics of morbidity in children of preschool age. R. M. Grinberg. Ped., akush. i gin. 25 no. 2:28-30 '63.

Architectonics of branches of the pulmonary artery in children during the first 2 years of life in health and in pneumonia. I. G. Poddubnyi. Zdravookhranenie 6 no. 1:41-49 Ja-F '63.

Diagnosis and treatment of kidney tumors in children. Z. M. Portnov. Zdravookhranenie 6 no. 1:30-35 Ja-F '63.

Dynamics of tuberculosis incidence and rate of infection in young children. V. P. Bisiarina, M. A. Kolesnikova. Probl. tub. no. 8:3-6 '62.

Melanoma of the external and middle ear in a 5-year-old child. E. I. Kisilevskii. Vest. otorin. no. 1:89-90 '63.

Multiple lesions of the corebrocranial nerves in malignant tumors of the nasopharynx in children. B. I. Dunaivitser. Vest. otorin. no. 1:95-97 '63.

Pinkhasik, M. I. [Tuberculous coxitis in children] Tuberkuleznyi koksit u detei. 2. izd., prosmotrennoe i dop. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 269 p. (DNLM)

Role of nurses in treating children suffering from intestinal toxicoses. S. A. Sviadoshch. Sov. zdrav. Kir. no. 3: 52-56 My-Je '63.

CHILDREN—GROWTH

Comparison of growth regularities in the measurable traits of Turkmen and Buryat children. N. S. Smirnova. Vop. antr. no. 12:92-110 '62.

Development of higher nervous activity in children. O. Kul'chyts'ka. Doshk. vykh. 24 no. 9:4-7 S '63.

Special aspects of the development of two-year-old children. G. Liamina. Doshk. vosp. 36 no. 6:16-20 Je '63.

CHILDREN—LANGUAGE

Development of speech in the process of observation and work. K. Tymofeieva. Doshk. vykh. 24 no. 9:20-24 S '63.

Preparatory group children study the pronunciation of sounds. O. Zhyltsova. Doshk. vykh. 24 no. 9:41-42 S '63.

CHILDREN—LAW

Answering our readers' questions. Sov. iust. no. 14:30 Jl '63.

Placing a minor in the custody of his parents or guardians as a measure to ensure his presence at judicial examination. A. Burlakov. Sots. zakon. 40 no. 6:43-45 Je '63.

CHILDREN—MANAGEMENT

The children's group is the teacher's support. A. Davydenkov. Rad. shk. 12 no. 6:70-73 Ag '63.

Pollows from "Oriol." N. Kiselev. Sem'ia i shkola 14 no. 6:36-38 Je '63.

Inculcating diligence. S. G. Zaslavskaia. Nach. shkola 31 no. 7:12-14 Jl '63.

Inculcation of good behavior. O. Kostyleva. Doshk. vosp. 36 no. 6:29-32 Je '63.

Let's unlock our hearts... IU. Petrov. Nar. obr. no. 6:69-71 Je '63.

My tots. G. Vershinina. Sem'ia i shkola 18 no. 6:1-5 Je '63.

Planning of educational work. S. S. Kovalenko. Rad. shk. 42 no. 8:67-70 Ag '63.

Studying the students' behavioral level of development. A. N. Filippova. Sov. pedag. 27 no. 6:38-42 Je '63.

Training in the habits of cultural conduct. N. Dekhtiarova, A. Orlegova. Doshk. vykh. 24 no. 9:21-30 S '63.

CHILDREN—SURGERY

(see also subdivision under Moldavia)

Expedient treatment of purulent pleurisy in childhood. E. F. Kostiashko. Zdravookhranenie 6 no. 1:21-26 Ja-F '63.

Use of potentiated anesthesia in surgery during childhood. A. T. Moraru. Zdravookhranenie 6 no. 1:53-55 Ja-F '63.

CHILDREN, DEAF

They will talk. L. Sukhareevskii. Nar. obr. no. 6:87 Je '63.

CHILDREN AS ARTISTS

Guard the peace! L. Fedotova. Nar. obr. no. 6:66 Ag '63.

CHILDREN'S CLOTHING

Children's clothing and shoes. Doshk. vosp. 36 no. 4: 14-15 Je '63.

CHILDREN'S CLUBS

Children's clubs. P. Zhil'tsov. Nar. obr. no. 6:60-63 Ag '63.

CHILDREN'S ILLUSTRATED BOOKS see Illustrated books, Children's

CHILDREN'S LIBRARIES see Libraries, Children's

CHILDREN'S LITERATURE

Books for the little ones. O. Smokalina. Nar. obr. no. 6:108-109 Je '63.

"Hospital in a zoological garden." N. T. Doshk. vykh. 24 no. 9:45 S '63.

Let's know and take into consideration the interests and vital demands of readers. Z. M. Tishkevich. Sov. pedag. 27 no. 7:73-79 Jl '63.

They reach children's hearts. I. Sochyvets'. Doshk. vykh. 24 no. 9:44-45 S '63.

CHILDREN'S LITERATURE—BIBLIOGRAPHY see Bibliography—Children's literature

CHILDREN'S MUSEUMS

Museum of Zola and Aleksandr Kosmodem'ianskii. N. Borisov. Nar. obr. no. 6:65-68 Je '63.

Shevchenko museum in a school. I. I. Shavlovs'kyi. Rad. shk. 42 no. 8:88-92 Ag '63.

Teacher's happiness. N. Antonov. Nar. obr. no. 6:21-24 Je '63.

CHILDREN'S PLAYS

And what is he like, our young man? M. Ginzburg. Nar. obr. no. 6:88-89 Je '63.

Liubinskii, I. L. [Theater and children] Teatr i deti. Moskva, Izd-vo APN RSFSR, 1962. 167 p.

CHILDREN'S POETRY

Poetry in children's education. N. Karpinskaia. Doshk. vosp. 36 no. 6:37-38 Je '63.

CHILE—CRIMINAL JUSTICE, ADMINISTRATION OF

Execution of a peon. Pablo Neruda. Ogonek 41 no. 30: 6-7 Jl '63.

CHIMKENT PROVINCE—TICKS

Fauna and distribution of ixodid ticks in the left-bank area of the Syr Darya River. G. V. Ushakova, N. N. Busalaeva, V. M. Peteshev. Trudy Inst. zool. AN Kazakh. SSR 19:173-179 '63.

CHIMNEYS

Akademiia stroitel'stva i arkhitektury SSSR, Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Precast reinforced-concrete smokestacks] Sbornaia zhelezobetonnaia predvaritel'no napriazhennaia dymovaia truba; iz opyta tresta "Teplomontazh." Ministerstva stroitel'stva RSFSR. Moskva, Gosstroiizdat, 1963. 21 p.

[MICROFILM]

CHINA

Necessary reference book on China. Z. I. Gorbacheva, N. A. Petrov. Mat. Vost. kom. Geog. ob-va SSSR no. 1: 66-69 '62.

CHINA—CIRCUS

The Chinese circus. Stefi Bakna Sees. Zhen. mira no. 1, 23, 26-27 '63.

CHINA—COMMUNIST PARTY

Adventurous policy of the Chinese leaders. Florimond Bonte. Kommunist 40 no. 11:89-93 O '63.

For the general line of the world communist movement and against left-wing opportunism, nationalism, and adventurism. Kommunist 40 no. 11:1-48 O '63.

International duty of the Communists. Ib. Nyklund. Kommunist 40 no. 11:41-52 O '63.

CHINA—DESERTS

New geographical studies on Chinese deserts. M. P. Petrov. Izv. Vses. geog. ob-va 95 no. 4:380-381 Jl-Ag '63.

CHINA—FOREIGN RELATIONS

The international communist movement and Peking. Sovremennik. Nov. vrem. 21 no. 31:3-5 Ag '63.

Readers' comments: The world's biggest city. My opinion on the attitude of China. Nov. vrem. 21 no. 36:17 S '63.

CHINA—FOREIGN RELATIONS—RUSSIA

Biting on the bit.... Sovremennik. Nov. vrem. 21 no. 36:8-9 S '63.

China and the atomic bomb. Sovremennik. Nov. vrem. 21 no. 35:1-3 Ag '63.

CHINA—TECHNICAL SOCIETIES

Scientific technological societies in China. A. Chistov. NTO 5 no. 6:57-58 Je '63.

CHINESE see subdivision under Soviet Central Asia

CHINESE LANGUAGE—GRAMMAR

Linshalio, L., E. D. Oksiukevich, and A. V. Saakian. [Textbook of the Chinese language] Uchebnik kitaiskogo iazyka. Pod red. L. Linshalio. Moskva, Vneshtorgizdat. Pt. 2. 1963. 426 p.

CHINESE LANGUAGE—TERMS AND PHRASES

Meaning of the term "pin-kho", from materials of the Han chronicles. Z. I. Gorbacheva. Mat. Vost. kom. Geog. ob-va SSSR no. 1:61-65 '62.

CHINESE LANGUAGE—TRANSLITERATION INTO RUSSIAN

Standardizing Russian transcription of Chinese words. A. G. Shprintsin. Mat. Vost. kom. Geog. ob-va SSSR no. 1:55-60 '62.

CHISTOVICH, NIKOLAI IAKOVLEVICH, 1860-1926

Tushinskii, M. D., and A. N. Chistovich. [N. IA. Chistovich, 1860-1926. Leningrad, Medgiz, 1963. 119 p. (Vydaiushchiesia deiateli otechestvennoi meditsiny)

CHKALOV see Orenburg

CHKALOV PROVINCE see Orenburg Province

CHLORIDES

Absorption spectra of the chloride complexes of tetravalent ruthenium. V. I. Shlenskaia, A. A. Rubinov. Vest. Mosk. un. Ser. 2: khim. 18 no. 4:75-79 Jl-Ag '63.

Potentiometric study of chloride complexes of lead, cadmium, and nickel in a fused eutectic composition KNO_3 - $NaNO_3$. IU. K. Delimarskii, V. F. Grishchenko. Ukr. khim. zhur. 29 no. 5:507-511 '63.

Relationship between the occurrences of elements in nature in the form of chlorides and fluorides and the place of elements in the periodic system [with summary in English]. V. V. Shcherbina. Geokhimiia no. 6:721-724 Ag '63.

Solubility of aluminum and titanium chlorides in fused chlorides. V. S. Balkhin, V. A. Reznichenko. Titan i ego splavy no. 9:225-230 '63.

CHLORINATION

Chlorination of sphene concentrates by chlorine gas without a reducing agent. IA. G. Goroshchenko, E. O. Udo, O. A. Karpenko. Titan i ego splavy no. 9:123-126 '63.

Chlorination of sphene concentrates by chlorine gas with a reducing agent. IA. G. Goroshchenko, E. O. Udo, O. A. Karpenko. Titan i ego splavy no. 9:127-135 '63.

Formation of phosgene during the chlorination of titanium slag in electric shaft furnaces and chlorinators. I. I. Reznikov and others. Titan i ego splavy no. 9:140-146 '63.

CHLORINATION (Continued)
Mechanism of photochemical chlorination of chloroacetaldehyde. B. G. LAsnitskii, A. P. Zaitsev. Dokl. AN SSSR 152 no. 1,168-170 S '63.

Studying the chlorination process of magnesium metatitanate (geikielite). V. A. Reznichenko, V. P. Solomakha. Titan i ego splavy no. 9:136-139 '63

CHLORINE
Apparatus for determining the solubilities of chlorine and other gases in liquids [with summary in English]. L. M. Kogan, N. S. Kol'tsov, N. D. Litvinov. Zhur. fiz. khim. 37 no. 8:1914-1917 Ag '63

Solubility of chlorine and carbon dioxide in hexachlorobutadiene. L. M. Kogan, N. S. Kol'tsov, N. D. Litvinov. Zhur. fiz. khim. 37 no. 8:1875-1877 Ag '63.

CHLORINE COMPOUNDS—PHYSIOLOGICAL EFFECT
Effect of apochlorine and its derivatives on the cardiovascular system. Sh. U. Alov, I. A. Kamilov. Farm. i alk. no. 1:206-209 '62.

CHLORINE OXIDES
Technology of the production of chlorine dioxide. K. P. Mishchenko and others. Trudy LTITSBP no. 8:81-86 '61.

Testing corrosion-resistant materials during the production of chlorine dioxide. I. I. Bloshtein and others. Trudy LTITSBP no. 8:89-95 '61.

CHLOROFORM
Quantitative analysis of impurities in chloroform from their infrared absorption spectra. V. I. Kolbasov, S. B. Bardenshtein, R. V. Dzhagatspanian. Zav. lab. 29 no. 8:938-940 '63.

CHLOROMETHYLATION
Chloromethylation of methyl esters of o-alkoxybenzoic acids and the use of products obtained in some syntheses. V. A. Aroian. Izv. AN Arm. SSR. Khim. nauki 16 no. 4:371-383 '63

CHLOROPHOS
Chlorophos. D. F. Rudnev, B. A. Areshnikov. Zashch. rast. ot vred. i bol. 8 no. 7:37-38 Jl '63

Chlorophos in the agriculture of the U. S. A. P. V. Popov. Zashch. rast. ot vred. i bol. 8 no. 7:51 Jl '63

Chlorophos in vegetable gardens. B. A. Gerasimov, L. G. Ter-Simonian. Zashch. rast. ot vred. i bol. 8 no. 7:38 Jl '63

Use of chlorophos against Melophagus infestation in sheep. N. K. Shkabrov, M. G. Khatin. Trudy VNIIVS 14:31-33 '59.

Using chlorophos in orchards. A. S. Degtiareva, V. S. Shelestova. Zashch. rast. ot vred. i bol. 8 no. 7:25 Jl '63

CHLOROPHOS—SAFETY MEASURES
Safety measures in using chlorophos. V. G. TSapko. Zashch. rast. ot vred. i bol. 8 no. 5:35 My '63.

CHLOROPHYLL
Distribution of C^{14} in chlorophylls a and b in etiolated leaves which have turned green. A. A. Shlyk, A. P. Loseu. Vestsi AN BSSR, Ser. biol. nav. no. 1:21-33 '63

Nature of the biosynthesis of plastid pigments in the virescence of leaves with different physiological characteristics. A. S. Khodzhaev. Bot. zhur. 48 no. 7:1030-1034 Jl '63

CHLOROPHYLL—SPECTRA
Mechanism of the photosensitizing effect of chlorophyll. V. B. Evstigneev, V. A. Clavrilova, I. G. Savkina. Dokl. AN SSSR 151 no. 1:227-230 Jl '63.

CHLOROPICRIN
Practices in disinfecting seed peas with chloropicrin in winter. P. Solodovnik and others. Muk.-elev. prom. 29 no. 1:9 Mr '63.

CHLOROPRENE
Role of sulfur in the vulcanization of polychloroprene rubbers [with summary in English]. N. D. Zakharov and others. Vysokom. soed. 5 no. 6:910-913 Je '63.

CHLOROPROMAZINE
Compound use of aminazine antagonists [with summary in English]. B. I. Liubimov. Uch. zap. inst. farm. i khimioter. AMN SSSR 3:104-114 '63.

Mechanism of the effect of aminazine on the central nervous system [with summary in English]. E. A. IAkovleva. Zhur. vys. nerv. deiat. 13 no. 2:267-275 Mr-Ap '63.

Therapeutic use of curarelike and neuroplegic substances in tetanus. K. M. Loban. Vrach. delo no. 6:80-83 Je '63.

CHOCOLATE INDUSTRY
Machine unit 317-E-9 for the production of chocolate bars. G. R. Kokashinskii. Khleb. i kond. prom. 7 no. 8:42-44 Ag '63.

CHOLESTEROL
Correlation between protein and lipoprotein fraction changes in hypertension and atherosclerosis and factors of hypertension and hypercholesteremia, problem of the unity of pathogenesis of hypertension and atherosclerosis [with summary in English]. G. V. Melik-Babakhanov. Kardiologiia 3 no. 3:58-62 My-Je '63.

Histochemical study of the activation of lipolytic enzymes in response to local cholesterol administration. V. I. Dorbas. Dokl. AN SSSR 151 no. 3:691-693 Jl '63.

Influence of occupational physical strain and other factors on the blood cholesterol and lipoprotein levels [with summary in English]. G. A. Gol'dberg. Kardiologiia 3 no. 3:82-86 My-Je '63

CHOLESTEROL ESTERS
Systems having the liquid crystalline state. Part 3. Cholesteryl caprylate and chlesteryl caprinate. I. G. Chistiakov and others. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:257-259 '63.

CHOLINE
Effect of ervamin hydriodide on the effects caused by acetylcholine and on the activity of cholinesterase in the blood. A. G. Kurmukov, M. B. Sultanov, T. A. Egorova. Farm. alk. no. 1:87-93 '62

CHOLINESTERASES
Anticholinesterase properties of some O-ethyl-S-alkylmethyl thiophosphinates. N. N. Godovikov and others. Dokl. AN SSSR 151 no. 5:1101-1107 Ag '63

Cholinesterase activity in cortical points of the cerebral hemispheres during the establishment of unilateral conditioned reflexes [with summary in English]. V. S. Korenenko. Zhur. vys. nerv. deiat. 13 no. 2:280-285 Mr-Ap '63.

Effect of ervamin hydriodide on the effects caused by acetylcholine and on the activity of cholinesterase in the blood. A. G. Kurmukov, M. B. Sultanov, T. A. Egorova. Farm. alk. no. 1:87-93 '62.

CHORAL SOCIETIES see subdivision under Oshmyany District

CHOROKH (CORUH) VALLEY—LANDFORMS
Division of the Chorokh (Coruh) basin into physicogeographical sections (landforms). Uch. zap. AGU, Ser. geol.-geog. nauk no. 5:43-49 '61.

CHORUKH-DAYRON REGION—MOLYBDENITE
Principal paragenetic associations of molybdenite in the Chorukh-Dayron deposit. V. I. Rokharskii. Trudy IGEM no. 99:55-59 '63.

CHRISTIANITY
Was the early Christianity communist? IA. Lentsman. Nauka i rel. 4 no. 7:40-45 Jl '63

CHROMATES
Determination of chromate and dichromate simultaneously. IU. V. Khodakov, T. M. Zhuravleva, V. V. Mil'chenko. Zav. lab. 29 no. 8:929 '63.

CHROMATOGRAPHIC ANALYSIS
Chromatographic collector with capacitance pickup [with summary in English]. V. T. Avgul', K. V. Chmutov. Zhur. fiz. khim. 37 no. 8:1907-1908 Ag '63.

Chromatography of proteins on cellulose ion exchangers. A. IA. Nikolaev. Usp. khim. 32 no. 9:1087-1112 S '63.

Column microanalysis of some phosphorylated hexoses [with summary in English]. E. P. Glushankov. Vest. LGU 18 no. 15:112-118 '63.

Distribution of polar and apolar lipids in a phase-inverted chromatographic system. A. G. Vereshchagin. Dokl. AN SSSR 152 no. 1:231-224 S '63.

Fluoroscope for the visual control of chromatographic separation. A. V. Borovkov. Zav. lab. 29 no. 8:1012 '63.

Fourth Symposium on Gaseous Chromatography. V. G. Berezkin, K. I. Sakodynskii. Vest. AN SSSR 33 no. 9:76-77 S '63.

Thin layer chromatography of natural coumarins and furanocoumarins. N. S. Vul'fson, V. I. Zaretskii, L. S. Chetverikova. Izv. AN SSSR, Ser. khim. no. 8:1503-1505 Ag '63.

Use of partition chromatography and spectrophotometry in the ultraviolet zone for determining the composition of phenol products. I. E. Kogan, M. M. Bragilevskaia, M. E. Nelmark. Koks i khim. no. 6:48-53 '63.

CHROMATOPHORES
Isolation and characteristics of lipoproteins from bean chloroplasts. E. N. Bezinger and others. Dokl. AN SSSR 151 no. 3:722-724 Jl '63.

CHROMIUM—ANALYSIS
Nature of diphenylcarbazide reaction for hexavalent chromium [with summary in English]. E. V. Kovalenko, V. I. Petrashen'. Zhur. anal. khim. 18 no. 6:743-749 Je '63.

CHROMIUM—SPECTRA
Paramagnetic spectrum of trivalent chromium in aluminum nitrate. B. I. TSukerman. Zhur. strukt. khim. 4 no. 4:625-627 Jl-Ag '63

CHROMIUM CARBIDES
Free energy of chromium carbide formation. E. Z. Vintaikin. Fiz. met. i metalloved. 16 no. 1:144-145 Jl '63

CHROMIUM CATALYSTS
Hydrogenation of the C_{10}-C_{16} acids over copper-chromite and zinc-chromite catalysts. A. P. Belokopytova and others. Khim. i tekh. topl. i masel 8 no. 8:6-10 Ag '63

CHROMIUM COMPOUNDS
Anodic oxidation in chromic-chromate electrolytes. D. P. Zosimovich, S. P. Antonov, V. V. Budkevich. Ukr. khim. zhur. 29 no. 6:612-617 '63.

CHROMIUM-IRON-NICKEL ALLOYS see Iron-nickel-chromium alloys

CHROMIUM PLATING
Anomalous effect of temperature on the rate of electrodeposition of chromium. G. A. Emel'ianenko, V. I. Afanas'enko. Zhur. fiz. khim. 37 no. 8:1854-1857 Ag '63.

Electrodeposition of chromium from solutions of chromium sulfate. N. T. Kudriavtsev, IA. B. Pshibylskii. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:274-279 '63.

CHRONAXIA
Early changes in the chronaxy of the skin and visual analyzers following a single local roentgen irradiation [with summary in English]. A. S. Efimova. Med. rad. 7 no. 11:45-50 N '62

Time factor in a solitary nerve impulse. U. Sh. Akhmetov. Kaz. med. zhur. no. 3:87 My-Je '63

CHU VALLEY—BELLADONNA
Biological characteristics of some medicinal plants in the Botanical Garden of the Academy of Sciences of the Kirghiz S. S. R. V. I. Vandysheva. Izv. AN Kir. SSR, Ser. biol. nauk 5 no. 2:43-48 '63

CHU VALLEY—POPPY
Biological characteristics of some medicinal plants in the Botanical Garden of the Academy of Sciences of the Kirghiz S. S. R. V. I. Vandysheva. Izv. AN Kir. SSR, Ser. biol. nauk 5 no. 2:43-48 '63.

CHU VALLEY—PROSPECTING—GEOPHYSICAL METHODS
Geophysical studies in the Chu - Sary-Su Depression and principal results therefrom. T. B. Sargaskaev. Izv. AN Kazakh. SSR, Ser. geol. nauk no. 4:15-24 '63.

CHUCKS
Adjustable eccentric turning or grinding fixture. Mashinostroitel' no. 7:45 Jl '63.

CHUGURIN, IVAN DMITRIEVICH, 1883-1947
Worker and Bolshevik, on the 80th anniversary of I. D. Chugurin's birth. A. P. Konstantinov. Vop. ist. KPSS 7 no. 8:97-98 Ag '63

CHUKCHI PENINSULA—PHYSICAL GEOGRAPHY
Morphological structure of the Chukchi Peninsula. A. A. IAtsenko. Dokl. AN SSSR 151 no. 5:1150-1152 Ag '63.

CHURCH AND STATE
(see also subdivision under Hungary)
Anufriev, L. A., and A. V. Kuzovnikov. [Reality and religion, 114 questions and answers on religion and atheism] Deistvitel'nost' i religiia, 114 voprosov i otvetov po religii i ateizmu. [Odessa] Odesskoe knizhnoe izd-vo, 1963. 166 p.

CHURCH HISTORY
Against some mistakes in atheistic literature. A. P. Kazhdan, I. V. Sozin. Vop. ist. 38 no. 8:210-211 Ag '63.

CHURCH OFFICERS—PENSIONS
Pensions of workers employed by religious organizations. IU. Rozenbaum. Nauka i rel. 4 no. 7:80-81 Jl '63

CHUVASHIA—CORRESPONDENCE SCHOOLS AND COURSES
We need active help. I. E. Drezin. Vech. sred. shkola 6 no. 3:45-48 My-Je '63.

CHYMOTRYPSIN
Intracapsular extraction of the crystalline lens with the use of α-chymotrypsin [with summary in English]. L. V. Smirnov. Uch. zap. GNII glaz. bol. no. 8:136-138 '63.

Triggering action of phosphatidase A and chymotrypsins on degranulation of mesenteric mast cells in rats [with summary in English]. B. Uvnas, Judith Antonsson. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:336-346 '63.

CICADA see subdivision under Uzbekistan

CIMMERIAN BOSPORUS (KINGDOM)
Studying the rural settlements of the Bosporus Kingdom. I. T. Kruglikova. Vest. drev. ist. no. 2:65-79 '63.

CINEMATOGRAPHY see Motion-picture photography

CINNABAR see subdivision under Fergana

CIRCUS
(see also subdivision under China)
School of adroitness, strength and gaiety. IAn Ostrovskii. Kul't. i zhizn' 7 no. 5:34-36 '63.

CITIES AND TOWNS see subdivision under White Russia

CITIES AND TOWNS, RUINED, EXTINCT, ETC see subdivision under Smolensk Province, Tajikistan

CITRIC ACID
Polarographic behavior of indium in citric acid solutions. G. V. Lavrova, V. A. Tsimmergakl, I. A. Shcka Ukr. khim. zhur. 29 no. 6:601-609 '63.

CITRUS FRUITS
Possibility of surgery in developing new varieties. F. M. Zotin. Agrobiologiia no. 1:633-636 Ja-Ag '63.

CITY PLANNING see subdivision under Moscow

CIVIL LAW
Civil law as a complementary source of the regulation of labor relations. M. Baru. Sov. just. no. 14:17-19 Jl '63.
"Lectures on the basic principles of civil law" by S. N. Landkof. E. F. Mel'nik. Izv. vys. ucheb. zav.; prav. 7 no. 2:168-170 '63.
Legal regulation of industrial management as a part of Soviet civil law. D. Genkin. Sov. just. no. 9:3-5 My '63.

CIVIL PROCEDURE
Problems of jurisdiction over labor disputes. IA. IAnovskii. Sots. zakon. 40 no. 7:21-25 Jl '63
"Theoretical and practical commentaries to the 'Basic Principles of the Civil Procedure of the U. S. S. R. and the Union Republics.'" V. Tarnenko, M. Shakarian. Sov. just. no. 14:28-29 Jl '63.

CIVIL RIGHTS
Real meaning of the "rule of law" slogan. V. A. Tumanov. Sov. gos. i pravo 33 no. 9:50-61 S '63.

CIVIL WAR see subdivision under United States

CIVILIZATION AND SCIENCE see Science and civilization

CLASSIFICATION, DECIMAL
In order to improve the organization of technological information. Mor. flot 23 no. 5:43 My '63.
Universal decimal classification. M. V. Rodovskaia. Avtom., telem. i sviaz' 7 no. 8:46-47 Ag '63.

CLASSIFICATION, EXPANSIVE
Khavkina, L. B. [Three-figure author tables coordinated and united with the two-figure, with a supplement of two-figure tables for foreign languages] Trekhznachnye avtorskie tablitsy, soglasovannye i soedinennye s dvuznachnymi, s prilozheniem dvuznachnykh tablits dlia inostrannykh iazykov. 5 , dop izd. Pod red IU. V. Grigor'eva. Moskva, Izd-vo Vses. knizhnoi palaty, 1961. 179 p.
(MIU)

CLAY
(see also subdivision under Baku Bay; Bashkiria; Indian Ocean; Siberia, Soviet Far East, Tomsk Province)
Duration of the process of increasing the bearing capacity of friction piles driven into clayey soils of varying composition. G. F. Novozhilov. Sbor. trud. LIIZHT no. 190 55-63 '62.
Electron microscope study of oriented preparations of clay minerals. G. G. Surovtsev, E. A. Tkachenko Zav. lab. 29 no. 8:965-966 '63.
Electroosmosis in soil mixtures with varying content of clay particles. IU. N. Litov, M. M. Kaliuzhnluk. Sbor. trud. LIIZHT no. 190:85-98 '62.
Effect of certain reagents on the dispersion of clayey substances in aqueous solutions. Kh. M. Aleksandrovich, M. M. Pavliuchenko. Dokl. AN BSSR 6 no. 12 780-783 D '62.
Formation of clayey minerals in Podzolic soils on sandy rocks of various ages [with summary in English]. N. I. Gorbunov, Z. Prusinkovich, D. P. Gradusov. Pochvovedenie no. 8:48-57 Ag '63.
Indirect method for the determination of clay plasticity. I. V. Gebler. Izv. TPI 111 83-85 '61

CLAY—TESTING
Changes in the strength of clayey soils in structures subject to dynamic influences. A. I. Lagoiskii. Sbor. trud. LIIZHT no. 190:76-84 '62.
Studies of the thixotropy of clayey soils. G. N. Zhinkin. Sbor. trud. LIIZHT no. 190:21-34 '62.

CLAY PIPE see Pipe, Clay

CLEANING COMPOUNDS
Gorlainova, T. S. [Chemical products for domestic use] Tovary bytovoi khimii Moskva, Gos. izd-vo torgovoi lit-ry, 1963. 79 p. (Dlia doma, dlia sem'i)
New detergents. L. Khodov, A. Krivonos. Sel'. mekh. no. 5:21 My '63
Surface-active properties and detergency of polyethylene esters of polypropylene glycols. F. V. Nevolin and others. Masl.-zhir. prom. 29 no. 7:23-26 Jl '63.

CLEANING MACHINERY AND APPLIANCES
Girshin, P. I. [Mechanization of cleaning work in the textile industry] Mekhanizatsiia chistki v tekstil'nom proizvodstve. Moskva, Gizlegprom, 1963. 158 p.

CLEARING OF LAND
Eradication of shrubs in irrigation systems. G. P. Sannikov. Zemledelie 25 no. 9:73-77 S '63.
Stone removing machines. Sel'. mekh. no. 3:25 My '63

CLIMATOLOGY
(see also subdivision 'Climate' under Crimea, Moscow)
Are glaciers a cause or a consequence of the change in the climate? O. Perfilova Tekh. mol. 31 no. 9:5-7 '63
Geological synchronization and climatic stratigraphy. V. A. Zubakov. Sov. geol. 6 no. 8:19-55 Ag '63.

CLIMATOLOGY, MEDICAL
Characteristics and dynamics of sleep in hypertension patients treated in the biotron [with summary in English] IU. K. Lushchin Vrach. delo no. 5:36-40 Je '63
Effect of climatic factors on some vegetative reflexes in patients with neurasthenia under the accustomed conditions of the central belt I. N. Kanaveis and others. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2 108-115 Mr-Ap '63.
Effect of meteorological factors on the course of hypertension [with summary in English]. P. G. Shcchii. Vrach. delo no. 6:40-42 Je '63.
Problems of the pathogenesis of polyneuritis caused by exposure to low temperatures and endarteritis [with summary in English] A. R. Vinnitskii. Vrach. delo no. 6:17-23 Je '63.
Results of organizing climatotherapy in the "Golubaya Gorka" Sanatorium. M. D. Leibovich. Vop. kur. fizioter. i lech. fiz. kul't. 28 no. 2:115-118 Mr-Ap '63.
Results of the Second Scientific Conference of the Institute of Therapy of the Academy of Medical Sciences of the U. S. S. R. on problems of climatopathology in the clinical aspects of cardiovascular diseases. V. IA. Chekin. Sov. med. 27 no. 7:151-153 Jl '63.

CLOCKMAKING AND WATCHMAKING see subdivision under Penza

CLOCKS AND WATCHES
Tishchenko, O. F. [Toothed transmissions of watch mechanisms] Zubchatye peredachi chasovykh mekhanizmov. 2 , dop i perer. izd Moskva, Mashgiz, 1963 211 p

CLOCKS AND WATCHES—ESCAPEMENTS
Investigation of an electromechanical escapement with a potential drive Z. M. Akset'rod Izv. vys. ucheb. zav.; prib. 6 no. 3:96-106 '63.

CLOTHES, WORK see Work clothes

CLOTHING AND DRESS MEASUREMENTS—STANDARDS
Specification of allowances for the inaccuracy in clothing production. N. E. Shutova. Standartizatsiia 27 no. 7:40-42 Jl '63.

CLOTHING INDUSTRY
(see also subdivision under Moscow)
Expand the business cooperation of industry and trade workers. A. F. Zhukovskaia. Shvein. prom. no. 4:38-40 Jl-Ag '63.
Factory operated retail stores. A. D. Chukashov. Shvein. prom. no. 4:21-23 Jl-Ag '63.
Fashion design in factories. T. I. Smirnova. Shvein. prom. no. 4:22-24 Jl-Ag '63.
Improve the quality of the training of specialized engineers and technicians for the clothing industry. Shvein. prom. no. 4:1-3 Jl-Ag '63.
Struggling for a high title. V. V. Khvostov. Shvein. prom. no. 4:7-10 Jl-Ag '63.
TSentral'nyi nauchno-issledovatel'skii institut shveinoi promyshlennosti. [Fundamentals of the technology of the assemblage of men's, women's and children's outerwear] Osnovy tekhnologii pouzlovoi obrabotki muzhskoi, zhenskoi i detskoi verkhnei odezhdy. Moskva, Rostekhizdat, 1963. 573 p.

CLOTHING INDUSTRY—COSTS
Planning of production costs in the clothing industry. K. S. Shirinkin. Shvein. prom. no. 4:20 Jl-Ag '63.

CLOTHING INDUSTRY—EQUIPMENT AND SUPPLIES
Alifanov, V. IA., and V. F. Razhnov. [Laboratory and practical work on the course "Equipment of clothing enterprises"] Laboratorno-prakticheskie raboty po kursu "Oborudovanie shveinykh predpriiatii." Moskva, Profteknizdat, 1963. 35 p.
Concerning the curriculum, text books and educational aids for the commercial study of materials used in the clothing industry. Shvein. prom. no. 4:10-16 Jl-Ag '63.
Machine for the inspection and measurement of lightweight fabrics. B. V. Gerasimov. Shvein. prom. no. 4:24-28 Jl-Ag '63.
Machinery for the processing of "porolon" fabrics in the manufacture of clothing. D. A. Lisitsyn, N. M. Danilov. Shvein. prom. no. 4:26-29 Jl-Ag '63.
Make wider use of the means of mechanization on a small scale. M. S. Nikolaev. Shvein. prom. no. 4:16-20 Jl-Ag '63.

CLOTHING INDUSTRY—QUALITY CONTROL see subdivision under Moscow

CLOTHING INDUSTRY—TECHNOLOGICAL INNOVATIONS
Work of the local organizations of the Scientific and Technical Society and All-Union Society of Inventors and Efficiency Promoters. O. K. Morozova, G. I. Zabelina. Shvein. prom. no. 4:10-12 Jl-Ag '63.

CLOUDS see subdivision under Baltic Sea region

CLOVER see subdivision under Orlovsk region (Leningrad Province)

CLUTCHES (MACHINERY)
Design of centrifugal clutches with a free solid filler. N. M. Merkova Vest. mashinostr. 43 no. 8:3-6 Ag '63.
Investigating the friction clutch in the payoff and tension of the wire in the Sulzer loom U. I-sin' [Wu I-hsin] A. V. Dutskii Izv. vys. ucheb. zav.; tekh. tekst. prom no. 4:142-149 '63
Operation of safety turboclutches in the breaking process. V. K. Smirnov. Vop. rud. transp. no. 1:163-166 '63
Using computation to determine the mechanical characteristics of safety turboclutches. V. K. Smirnov. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 7:105-113 '63.

COACERVATES
Oxidation-reduction processes in coacervate drops, dehydration of DPN - NNAD - N). A. I. Oparin, K. B. Serebrovskaia, S. A. Pantskhava Dokl. AN SSSR 151 no. 1:241-243 Jl '63.

COAGULATION
Aggregation in drilling clay suspensions. V. N. Trushnik, F. D. Ovcharenko Ukr. khim. zhur. 29 no. 5:487-491 '63
Formation of the cement-clinker structure by acoustic coagulation. M. A. Shatima Vestsi AN BSSR Ser. fiz.-tekh. nav. no. 1:97-101 '62.

COAL
(see also subdivision under Tomsk Province)
Coal is a valuable chemical raw material. K. Zviaginseva. Sov. shakht. 12 no. 6:45-46 Je '63
Studies of the fusinous components of coal and the nature of so-called "sclerotinite". I. N. Semanova, I. S. Soffer Ukr. khim. zhur. 29 no. 1:16-21 '63

COAL—ANALYSIS
Use of the methods of mathematical statistics in analyzing the accumulation of germanium in coal L. IA. Kizil'shtein, N. N. Shanina Dokl. AN SSSR 151 no. 1:196-197 Jl '63.

COAL—CARBONIZATION
Analyzing the indicators of coking properties by the yield of low temperature carbonization products. P. K. Finkel'shtein. Koks i khim. no. 10:11-14 '62.

COAL—CLASSIFICATION see subdivision under Donets Basin

COAL—PRICES
Systems of payment for the quality of concentrates and industrial products. A. M. Kotkin, N. A. Samylin. Koks i khim. no. 10:51-55 '62.

COAL—TESTING
Analyze samples of hard fuel. K. A. Dalinkov. Standartizatsiia 27 no. 7:17-18 Jl '63.
Development of the plastometric method for the evaluation of coking properties of coals and coal charges. M. D. Shapiro, I. S. Al'terman. Koks i khim. no. 10:5-11 '62.
Duplex apparatus developed by the Institute of Mineral Fuels and Dnepropetrovsk Metallurgical Institute for determining the dynamics of coal swelling during coking. A. M. Shelkhet and others. Koks i khim. no. 6:15-18 '61.
Evaluation of slightly coking and noncoking highly metamorphized coals as a raw material for coking. M. D. Shapiro, I. S. Al'terman. Koks i khim. no. 9:9-12 '63.

COAL, PULVERIZED
Automation of a coal pulverization system. V. P. Khotsev, N. K. Sokolova Elektrichestvo 34 no. 6:22-25 Je '63.

COAL GASIFICATION
Role of secondary reactions in the process of thermal decomposition of Bashkirian lignite G. K. Ilulsov. Trudy Ural. politekh. inst. no. 108:57-65 '61.
Study of thermal decomposition of Kuibyshev coal during high-speed heating S. K. Kazorchkina, A. P. Baskakov, N. I. Syromiatnikov. Trudy Ural. politekh. inst. no. 100:13-22 '61

COAL GEOLOGY see subdivision under Altai Mountains; Donets Basin; Kansk-Achinsk Basin; Yakutia

COAL MINERS
(see also subdivision under Donets Basin; Tula Basin)
Miners and friends. V. Semenov. Sov. shakht. 12 no. 6:46 Je '63.
New scope of trade-union work. A. Semenov. Sov. shakht. 12 no. 6:34-35 Je '63.
Time permits. V. Gunina. Sov. shakht. 12 no. 6:39 Je '63.

COAL MINERS—DISEASES AND HYGIENE

Value of health of miners at P'ing-hsiang. Sov. shakht 12 no. 6 12 Je '63

COAL MINES AND MINING

[Coal mining industry under Arpa-Sevan Basin, Donets Basin, Pechora Basin, Maritime Territory, Pechora Basin, Rumania]

Distance between thin coal seams in mining a flat seam as a hard headway. I. M. Frantskii, V. I. Sirko. Izv. vys. ucheb. zav., gor. zhur. 6 no. 7 19-22 '63

Mathematical analysis of the operation of [coal mines] Osnovy matematicheskoi teorii [gornykh] shakht. Moskva, Gosgortekhizdat, 1963. 63 p. (Gornaia mekhanika i rabochnaia)

COAL MINES AND MINING—AIR CONDITIONING see subdivision under Donets Basin

COAL MINES AND MINING—EQUIPMENT AND SUPPLIES

Centralization of freight unloading for coal mines A. IA. Lokte. Zhel. dor. transp. 45 no. 7 82-86 Jl '63

COAL MINES AND MINING—HYGIENE ASPECTS see subdivision under Karaganda

COAL MINES AND MINING—LABOR PRODUCTIVITY

(see also subdivision under Donets Basin, Donetsk Province, Rumanian region)

There are reserves! I. Kozin. Sov. shakht. 12 no. 6 36 Je '63

COAL MINES AND MINING—MANAGEMENT

(see also subdivision under Karaganda Basin, Soviet Central Asia)

Brigade, brigade leader, and mine foreman. A. Kosmak. Sov. shakht. 12 no. 6 27-29 Je '63

The main thing is engineering leadership. A. Trofimov, V. Gapich. Sov. shakht. 12 no. 6 29-30 Je '63

COAL MINES AND MINING—SAFETY MEASURES

(see also subdivision under Bukachacha, Donets Basin, Kuznetsk Basin)

Comments on I. F. Vasil'ina's book "Safety engineering in coal mines." G. F. Filippov. Predotvrashchenie proisshestvii v shakhtakh, 7 no. 7 3 Je '63

Signaling by means of odors. V. Vagin, B. Surrachev. Sov. shakht. 12 no. 6 21-22 Je '63

COAL MINES AND MINING—SAFETY REGULATIONS see subdivision under Karaganda

COAL MINES AND MINING—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Ukraine)

Duty of every miner. A. Pavlov. Sov. shakht. 12 no. 6 2-5 Je '63

COAL MINING MACHINERY

(see also subdivision under Donets Basin, Kuznetsk Basin)

On the threshold of tomorrow. R. Bilumkin. Sov. shakht. 12 no. 6 23-26 Je '63

Unseen hard. V. Bobrov. Sov. shakht. 12 no. 6 20 Je '63

Vasil'ev, V. V., and A. A. Orlov. [KM-9 and KM-9D coal mining units] Ugledobyvaiushchie kompleksy KM-9 i KM-9D. Moskva, Gosgortekhizdat, 1963. 111 p.

COAL PREPARATION

Concerning I. Z. Margolin's book "Preparation of coals and dressing of non-metallic ores in heavy media." N. P. Gapalo, L. TS. Andres. Koks i khim. no. 10:63-64 '63.

Effect of the degree of fineness of crushing on the properties of the plastic mass of coals and charges. M. D. Shapiro, L. S. Al'terman, S. R. Keitel'gisser. Koks i khim. no. 9:10-14 '63.

Increasing the efficiency of slurry flotation. M. G. El'iashevich and others. Koks i khim. no. 9:18-19 '63.

Industrial testing of the type KhGI fluid-bed dryer. M. I. Berlin and others. Koks i khim. no. 8:14-18 '63.

Modifications of the technological flow sheet for the preparation of the coal charge in the Kuznetsk Metallurgical Combine. V. V. Rakov and others. Koks i khim. no. 6:3-7 '63.

Preliminary granulating of coal charges with rolling in mazut. P. I. Kanavets and others. Koks i khim. no. 8:10-14 '63.

Remarks concerning V. V. Rakov, A. A. IUferov, V. S. Raskin and G. I. Kalininа's article "Modifications of the technological flow sheet for the preparation of the coal charge in the Kuznetsk Metallurgical Combine." N. V. Florinskii, I. I. Poliakov. Koks i khim. no. 6 7-9 '63.

COAL PREPARATION—EQUIPMENT AND SUPPLIES

Methodology of calculating the basic parameters of a movable overflow baffle for discharging the concentrate in jigging coal fines. I. M. Verkhovskii, L. I. Khvan. Izv. vys. ucheb. zav., gor. zhur. 6 no. 7 195-198 '63.

COAL PREPARATION PLANTS

Price of irresponsibility. S. Anatol'ev. Sov. shakht. 12 no. 6 18-19 Je '63.

Systems of payment for the quality of concentrates and industrial products. A. M. Kotkin, N. A. Samylin. Koks i khim. no. 10:51-55 '62.

COAL PREPARATION PLANTS—COSTS

Analyzing the cost indices on the flotation process. P. E. Sokt and others. Koks i khim. no. 9 53-56 '63

COAL PREPARATION PLANTS—EQUIPMENT AND SUPPLIES

Advanced equipment for coal preparation. Inform. biul. VDNKH no. 5 7-8 My '62.

Airlift centrifugal system. N. IA. Levchenko, M. IA. Khramova. Koks i khim. no. 10:3-5 '62.

COBALT—ANALYSIS

On the separation of metals interfering with the photocolorimetric determination of small amounts of cobalt in ores by p-nitroso-α-naphthol. IU. L. Lukhchak, T. I. Skripova. Izv. TPI 111 55-58 '61

Use of thiosemicarbazides in analysis. Report No. 6. Qualitative and quantitative determination of cobalt by means of 1-phenylthiosemicarbazide [with summary in English]. N. V. Koshkin, N. M. Shreiner. Zhur. anal. khim. 18 no. 6 757-760 Je '63

COBALT—METALLURGY

Kinetics of autoclave leaching of cobalt matte and considerations on the choice of a type of autoclave. G. H. *Dobrokhotov, E. B. Maiorova, TSvet. met. 36 no. 8* 31-37 Ag '63.

COBALT—PHYSIOLOGICAL EFFECT

Effect of cobalt on the growth and hematological indices of carp. F. M. Sukhoverkhov, R. V. Klymova, V. G. Farberov. Ryb. khoz. 39 no. 8 35-38 '63.

COBALT COMPOUNDS

Complex compounds of cobalt (III) with monoethanolamine. Part 1. V. V. Udovenko, V. N. Evreev. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2 179-182 '63.

Complex compounds of cobalt (III) with monoethanolamine. Part 2. V. V. Udovenko, V. N. Evreev. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:183-188 '63.

COBALT HALIDES—SPECTRA

Spectrophotometric study of ethanol solutions of $CoCl_2$ and $CoBr_2$ with a high concentration of Cl and Br. M. V. Andreeva, E. V. Stroganov. Dokl. AN SSSR 151 no. 3 567-569 Jl '63.

COBALT SALTS

Pharmacology of some complex compounds of anabasine with cobalt salts. Kh. U. Aliev, I. K. Kamilov. Farmakol. no. 1 268-272 '62

COCCIDIOSIS

Disinfection of rabbit hutches infected with coccidia by using the LSD-3 hydraulic flamethrower. B. A. Nikol'skii, V. D. Bubnov. Trudy VNIIVS 14,42-43 '59.

COCCIDIUM

Coccidia in Marmota menzbieri Kaschkarov, 1925. S. K. Svanbaev. Trudy Inst. zool. AN Kazakh. SSR 19:51-54 '63.

Specificity of Coccidia of sheep, goats and saigas. A. A. TSygankov, N. G. Panchuk, Z. A. Balbaeva. Trudy Inst. zool. AN Kazakh. SSR 19 55-57 '63.

COCCOLITHOPHORIDAE, FOSSIL see subdivision under West Siberian Plain

COCONUT OIL

Possibility of reproducing experimental atherosclerosis in rabbits by *coconut oil administration* [with summary in English]. T. A. Smitsyna, T. N. Loviagina. Kardiologiia 3 no. 3 50-53 My-Je '63

COD FISHERIES see subdivision under Barents Sea

COEFFICIENT OF EXPANSION see Expansion of solids

COINS, PARTHIAN

A Parthian tetradrachma of *Mithridates I* found in the ancient settlement of Stari Niš. M. IU. Masson. Vest. drev. ist. no. 2 152-155 '63.

COKE

Effect of the degree of fineness of crushing on the properties of the plastic mass of coals and charges. M. D. Shapiro, L. S. Al'terman, S. R. Keitel'gisser. *Koks i khim.* no. 9:10-14 '63.

Methods for determining the vertical shrinkage of the coke cake. A. N. Bykov. Koks i khim. *no. 8:27-30 '63.*

Predicting the size of coke. E. B. Ivanov and others. Koks i khim. no. 10:14-19 '62.

Review of A. A. Agroskin and A. K. Shelkov's book "Expansion of the resources of coking coals." M. V. TSiperovich, I. M. Lazov, M. G. Feldbrin. Koks i khim. no. 9:63-64 '33

Shrinkage and formation of phase stresses in coke. A. P. Bronshtein and others. Koks i khim. no. 8:22-27 '63.

Studying the expansion pressure of coals in connection with the preparation of coal charges for coking. IA. M. Obukhovskii, IU. V. Pyzhov, A. M. Sheifnet. Koks i khim. no. 9:14-17 '63.

Sulfur removal in the coking process. A. N. Pod'iachev, A. N. Spektor, IU. S. Iosfin. Izv. vys. ucheb. zav., chern. met. 6 no. 7 33-38 '63.

Vol'fson, S. I. [Air and steam method of removing coke from petroleum refinery furnaces] Parovozdushnyi sposob udaleniia koksa iz pechnoi neftepererabatyvaiushchikh zavodov. Moskva, Gostoptekhizdat, 1960. 51 p.

COKE—RESEARCH see subdivision under United States

COKE—TESTING

Determining the strength of coke by the specific surface of coals. N. N. Zakharycheva, Shih Tsa-chi-Min (Shih Tsao-Min). Koks i khim. no. 6 13-15 '64

Effect of the lengthening of the coking time on the coke quality and testing of coke in the blast furnace process. P. I. Koperman and others. Koks i khim. no. 9:31-34 '64.

Effect of the presence of gas coals in the coking charge on the columnar structure of the coke piece. D. A. Muchnik. Koks i khim. no. 8:7-10 '63.

Effect of the shape of coke pieces on some indices of size. L. P. Semisalov and others. Koks i khim. no. 10:13-17 '63.

Mechanical strength of coke and methods for its evaluation. A. I. Voloshin, M. G. Sklian, K. A. Bogatova. Koks i khim. no. 9:29-33 '63.

Relation between the structure and properties of coke. E. M. Taits. Koks i khim. no. 8:31-37 '63.

Technological evaluation of coke samplers. L. P. Semisalov. Koks i khim. no. 6:31-34 '63.

COKE INDUSTRY

(see also subdivision under Canada; Donetsk; Great Britain; Makeyevka; Ukraine, United States)

Automation of coke sorting and distribution. G. Ia. Tsiganenko, A. D. Sushkov, F. A. Garant. Koks i khim. no. 6 27-31 '63.

From pages of factory wall newspapers. Koks i khim. no. 10:59 '62.

In the Scientific Council of the "New processes in the coke and coal chemicals industry." A. A. Iushkevich. Koks i khim. no. 6:63-64 '63.

COKE INDUSTRY—BIBLIOGRAPHY see Bibliography - *Coke industry*

COKE INDUSTRY—BY-PRODUCTS

(see also subdivision under Germany, West, Kemerovo)

Catalytic hydrogenation of quinoline for the production of the "Kyusol" repellent. L. I. Eru and others. Koks i khim. no. 10:46-49 '62.

Decontamination by evaporation of the lay water from coke and coal chemical plants. V. V. Ivlev. Koks i khim. no. 8:42-46 '63.

In connection with the conference of the chemists of the coke and coal chemicals industry. Koks i khim. no. 3-5 '63.

Obtaining of phenanthrene phenol formaldehyde resins. N. V. Shorygina, A. G. Chernova, A. R. Derzhinskii. Koks i khim. no. 10:43-46 '62.

Obtaining solvents from naphthalene-containing industrial oils. M. K. D'iakova and others. Koks i khim. no. 10:40-43 '62.

Polyatomic phenols obtained by high-temperature carbonization. K. P. Medvedev and others. Koks i khim. no. 10:33-36 '62.

Recovery of concentrated phenanthrene from the phenanthrene fraction. N. D. Rumiantseva, M. V. Goltsman, G. F. Bolineva. Koks i khim. no. 8:40-42 '63.

Thiophene recovery from benzene fractions by the sulfonation method with subsequent hydrolysis. P. P. Karpukhin, A. G. Nikitenko. Koks i khim. no. 10:36-39 '62.

COKE INDUSTRY—EQUIPMENT AND SUPPLIES

(see also subdivision under Magnitogorsk, Poland)

Corrosion control of coke quenching cars. N. G. Chern. Koks i khim. no. 10:31-33 '62.

Duplex apparatus developed by the Institute of Mineral Fuels and Dnepropetrovsk Metallurgical Institute for determining the dynamics of coal swelling during coking. A. M. Sheikhet and others. Koks i khim. no. 6:15-18 '63.

Recovery of pure ammonium sulfate in case of processes using Glover acid. G. N. Lebedeva and others. Koks i khim. no. 9:42-45 '63.

Review of B. V. Berezin's book "Maintenance and repair of the coke industry equipment." I. IA. Pilskii. Koks i khim. no. 9:61-62 '63.

Studying the mechanisms of the travel of door extracting machines and of the door removal. A. A. Azimov, V. A. Naida. Koks i khim. no. 8:56-61 '63.

Technological evaluation of coke samplers. L. P. Semisalov. Koks i khim. no. 6:31-34 '63.

Universal drum type crystallizer for the crystallization of the naphthalene fraction in a thin layer. B. A. Burlak. Koks i khim. no. 6:44-46 '63.

Use of graphite bushings in the sliding bearings of coke machinery. M. IA. Brovman, G. M. Mikhailov. Koks i khim. no. 6:60 '63.

COKE INDUSTRY—RESEARCH

Conference of the Scientific Council on the "New processes in the coke and coal chemical industry" A. Liubimov. Koks i khim no. 8:61 '63.

Work and education are inseparable. Koks i khim. no.8: 3-6 '63.

COKE-OVEN GAS

Removal of hydrogen sulfide in hollow oven-flow absorbers with a centrifuge volumetric sprayer. S. N. Ganz, I. F. Kuznetsov. Koks i khim no. 9:37-42 '63.

COKE-OVEN GAS—COOLING

Intensification of the heat transmission in tubular coolers. I. A. Trub. Koks i khim. no. 9 52-53 '63.

COKE OVENS

Automation of the charging of pitch-coke ovens. F. M. Panenko, A. T. Sychev, E. V. Tibo-Rilin'ol. Koks i khim. no. 6 24-27 '63.

Cause of the rupture of the upper transversal anchor bolts of coke ovens. I. K. Kostiunin and others. Koks i khim no. 6 21-23 '63.

Characteristics of the heat regulation in PVR type ovens fired with blast-furnace gas. D. S. Lipkin, I. M. Glushchenko. Koks i khim no. 9,20-23 '63.

Coke ovens in foreign countries. M. Feldbrun. Koks i khim no. 9 60-61 '63.

Experience in the regulation of the coke oven battery with high burners. V. I. Romanenko. Koks i khim. no. 6 18-20 '63.

Heat consumption in coking and ways for its reduction. A. I. Voloshin, I. V. Virozub, V. V. Kazmina. Koks i khim. no. 10,20-24 '62.

Temperature distribution along the heating walls of type GPK-19 pitch coke ovens. V. I. Borisov. Koks i khim. no. 8:31-34 '63.

COKE OVENS—MAINTENANCE AND REPAIR

Gunite of gas conduits in underjet coke ovens. K. G. Kal'ianov. Koks i khim. no. 10:24-26 '62.

COKING PLANTS see subdivision under Makeyevka

COKING PLANTS—DESIGN AND CONSTRUCTION

In the Technical Council of the State Institute for the Design and Planning of the Enterprises of the Coke and Coal Chemical Industry. M. Odnopozov, M. Zolotarev. Koks i khim. no. 8,62 '63.

COKING PLANTS—EQUIPMENT AND SUPPLIES
(see also Dnepropetrovsk)

Reliability of coking machinery. A. A. Azimov. Koks i khim. no. 10:27-31 '62.

COLD—PHYSIOLOGICAL EFFECT

Disinfection of surfaces infected by microbial spores at low temperatures. G. S. Riabova. Trudy VNIIVS 14.38-42 '59.

Neurovascular diseases of the extremities as a result of cold. A. P. Tiukina. Fel'd. i akush. 28 no. 2:8-11 F '63.

COLD STORAGE WAREHOUSES see subdivision under Severodvinsk, United States

COLD STORAGE WAREHOUSES—EQUIPMENT AND SUPPLIES

Mechanization of loading operations of eggs packed in wooden boxes. E. A. Klochkova, G. I. Lifshits. Khol. tekh. 40 no. 3:36-39 My-Je '63.

COLD STORAGE WAREHOUSES—MANAGEMENT

Improve the economics of operation, lower the operational costs. Khol. tekh. 40 no. 3:1-4 My-Je '63.

COLITIS

Chronic nonspecific ulcerative pancolitis complicated by polyposis. S. B. Perel'shtein. Kaz. med. zhur. no. 3 79-80 My-Je '63.

Compound therapy of chronic postdysentery colitis with the "regenerator" preparation and dried coli bacteria. A. V. Burmakin. Kaz. med. zhur. no. 3,40-43 My-Je '63.

Rectal interoceptors and their significance in the act of defecation in chronic colitis. A. G. Saakian, I. S. Nanaziashvili. Terap. arkh. 35 no. 1:65-70 Ja '63.

COLLECTIVE FARMS
(see also subdivision under Amu Darya Valley; Ukraine; Uzbekistan)

Akademiia nauk BSSR, Minsk. Instytut ekonomiki. [Economic effectiveness of processing agricultural raw materials on collective and state farms] Ekanamichnaia efektyunasts' perapratsouki sel'skahaspadarchai syraviny u kalhasakh i saukasakh. Minsk, 1962. 108 p. (DNAL)

[Collective farm field crew leader's note book] Zapisnaia knizhka brigadira kolkhoza. [Moskva] Mosk. rabochii, 1957. 274 p. (DNAL)

Kalinin, A. I. [Communists of the "Rossiia" Collective Farm; practices of the party organization on the farm] Kommunisty kolkhoza "Rossiia", iz opyta raboty kolkhoznoi partorganizatsii [Kursk] Kurskoe knizhn. izd-vo, 1962. 70 p. (CSt-H) (NIC)

Kungurtsev, V. [Communist party and peasantry] Kommunisticheskaia partiia i krest'ianstvo. "Frankfurt/Main, Possev-Verlag, 1960. 63 p. (MH) (MiDW)

Regional'noe soveshchanie po voprosam ekonomiki kolkhozov gornykh raionov, Baku, 1958. [Materials of the Regional Conference on Problems in the Economics of Collective Farms in Mountainous Districts] Materialy. Baku, Akad. nauk Azerbaidzhanskoi SSR, 1961. 168 p. (MH)

We struggle for the right to be called "a collective farm of communist labor." N. Tkachenko. Komun. Ukr. 38 no. 6:31-37 Je '63.

COLLECTIVE FARMS—ACCOUNTING
(see also subdivision under Belgorod Province, Kaluga Province, Kangalyk District, Uzgen District)

Beyond the scope of the textbook. M. A. Galanov. Uchet. i fin. v kolkhoz. i sovkhoz. 20 no. 9 44-45 S '63.

Business accounting within individual production units of a collective farm in operation. V. Vakulenko. Ekon. sel'khoz. 34 no. 7 79-81 Jl '63.

How to calculate the marketability of collective farm production. V. V. Kashurin. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 8 43-34 Ag '63.

Place organic fertilizers under control. G. A. Bedchenko. Uchet. i fin. v kolkhoz. i sovkhoz. 20 no. 9:27 S '63.

Practice has convinced us. A. P. Epifanov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 8,12 Ag '63.

Some methodological problems in computing the cost of production on collective farms [with summary in English]. S. G. Kolesnov, V. M. Chukhovskii. Izv. TSKHA no. 3:209-219 '63.

Urgent matter. I. D. Birkadze. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5:7 My '63.

COLLECTIVE FARMS—AUDITING AND INSPECTION
(see also subdivision under Ak-Kurgan District; Baranovichi District; Gizhduvan District, Sher'ya District; Slutsk District)

For a stricter control on the collective farms. M. P. Napreev. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5: 33-35 My '63.

How we work. I. S. Shinkovich. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5:30 My '63.

Modestly and businesslike. I. A. Orlovskii. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5:36-38 My '63.

COLLECTIVE FARMS—FINANCE
(see also subdivision under Azerbaijan; Belebey District; Pervomayskiy District, Stavropol Territory, Ukraine; Vakhsh Valley)

Collective farm payments for replenishing indivisible funds. Den. i kred. 21 no. 8 68-71 Ag '63.

In the Academic Council of the Research Institute of Finance. Fin SSSR 37 no. 8:91-95 Ag '63.

Regularize payments to replenish the indivisible fund. N. N. Platonov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5:21 My '63.

Who administers the collective farm funds? V. S. Korchevnoi. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5:23 My '63.

COLLECTIVE FARMS—INCOME DISTRIBUTION
(see also subdivision under Kharkov Province; Khorezm Province)

Establishment of work norms and wages for collective farmers in the recommendations of local agricultural organs. G. Kuznetsov. Ekon. sel'khoz. 31 no. 7 118-123 Jl '63.

Four years of monetary wages. D. A. Volodin, V. I. Dudko. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 8,19-22 Ag '63.

Replies to our readers' questions. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 9:43 S '63.

COLLECTIVE FARMS—INTERFARM COOPERATION
(see also subdivision under Andizhan Province; Kazakhstan; Usman' District)

Lohvynenko, V. K. [Production relations between collective farms] Mizhkolhospni vyrobnychi zv'iazky. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1961. 56 p. (WU)

Unify and improve accounting in inter-collective farm construction organizations. L. M. Kramarovskii. Uchet. i fin. v kolkhoz. i sovkhoz. 20 no. 9,14-18 S '63.

COLLECTIVE FARMS—LAWS AND LEGISLATION

Give more attention to the observance of Soviet laws by interfarm enterprises. K. Bairyev. Sots. zakon. 40 no. 6 35-36 Je '63.

There should be uniform rules on major construction work on collective farms. N. Litvinov. Sov. iust. no. 14,15-16 Jl '63.

"The 22d Congress of the CPSU and the problems of collective farm and agricultural law." S. B. Baisalov. Sov. gos. i pravo 33 no. 9:145-146 S '63.

We should ensure a strict observance of laws on collective farms. P. Mitchenko. Sots. zakon. 40 no. 6:61-63 Je '63.

COLLECTIVE FARMS—MANAGEMENT
(see also subdivision under Gizhduvan District; Gorkiy Province, Kagarlyk District, Ukraine)

Contractual relations should be employed in collective farm production. P. Platnitskii. Part. zhizn' no. 17: 39-40 S '63.

Ten years along the path pointed out by the party. P. I. Sychev, I. G. Makovel'skii. Uchet. i fin. v kolkhoz. i sovkho. 20 no. 9,6-11 S '63.

COLLECTIVE FARMS—OFFICIALS AND EMPLOYEES

Replies to our readers' questions. Uchet. i fin. v kolkhoz. i sovkhoz. 20 no. 9 43 S '63.

COLLECTIVE FARMS—TAXATION see subdivision under White Russia

COLLECTIVE FARMS—VALUATION

Evaluation of capital assets on collective farms. M. S. Marchenko. Uchet. i fin. v kolkhoz. i sovkhoz. 20 no. 9:12-13 S '63.

COLLECTIVE FARMS—WATER SUPPLY

Let collective farm villages have good water. N. N. Kvitnitskaia, Zdorov'e 9 no. 5:16-17 My '63.

COLLIMATORS

Gukailo, M. IA. [Autocollimation] Avtokollimatsiia. Moskva, Mashgiz, 1963. 104 p.

COLLISIONS (NUCLEAR PHYSICS)

Charge exchange in the case of small resonance defects [with summary in English]. Iu. N. Demkov. Zhur. eksp. i teor. fiz. 45 no. 2:195-201 Ag '63.

Collisions of slow heavy atoms [with summary in English] B. M. Smirnov. Zhur. eksp. i teor. fiz. 45 no. 2,155-158 Ag '63.

Dissociation of ions from methane, ammonia, and water due to collisions with molecules in the energy range 3.5 to 100 Kev. S. E. Kupriianov, A. A. Petrov. Zhur. tekh. fiz. 33 no. 7:821-831 Jl '63.

Effect of collisions on the excitation spectrum of a system of electrons [with summary in English]. Iu. IA. Poliak, V. M. Leonskii. Zhur. eksp. i teor. fiz. 45 no. 2:159-163 Ag '63.

Effect of collisions on the localization of electrons in a high-frequency field. IA. M. Pinskii. Zhur. tekh. fiz. 33 no. 7,864-866 Jl '63.

Ionization losses in an inhomogeneous medium [with summary in English] N. P. Kalashnikov, M. I. Rinzanov. Zhur. eksp. i teor. fiz. 15 no. 2:332-342 Ag '63.

Optimal system of basis functions in the theory of collisions between electrons and atoms [with summary in English]. B. A. Veklenko, A. N. Starostin. Zhur. eksp. i teor. fiz. 15 no. 2:263-267 Ag '63.

Pulsed spectrum of baryons in inelastic collisions of fast pions with nucleons. V. S. Barashenkov and others. Zhur. eksp. i teor. fiz. 45 no. 2:381-389 Ag '63.

Some methods in nuclear theory applied to molecular encounters [with summary in English] Z. Matthiä, V. G. Neudachin. Zhur. eksp. i teor. fiz. 45 no. 2:141-142 Ag '63.

Study on the quantum theory of collisions. Part 1. V. D. Kamenetskii. Izv. vys. uch. zav., fiz. no. 1,82-85 '63.

Study on the quantum theory of collisions. Part 2. V. D. Kamenetskii. Izv. vys. uch. zav., fiz. no. 4:86-92 '63.

Theory of transfer phenomena in electron-phonon systems in magnetic fields considering the entrainment of phonons. P. S. Zyrianov. Fiz. met. i metalloved. 16 no. 1 13-18 Jl '63.

Three-dimensional uniform expansion and compression of a rarefied gas with power functions of interaction. A. A. Nikol'skii. Dokl. AN SSSR 151 no. 3:522-524 Jl '63.

Value of the effective collision radius in experiments on the sputtering and ion-electron emission of single crystals. E. S. Mashkova, V. A. Molchanov. Fiz. tver. tela 5 no. 8:2303-2304 Ag '63.

COLLISIONS AT SEA—PREVENTION

How a collision of tow trains was prevented. I. Simakov. Rech. transp. 22 no. 7 50 Jl '63.

Technical possibility of automating the process of ships passing clear of each other. V. Chernyshev. Mor. flot 23 no. 8:16-17 Je '63.

COLON (ANATOMY)—TRANSPLANTATION

Single-stage method of colpopoiesis using the sigmoid colon. R. I. Malykhina. Ped., akush. i gin. 25 no. 2:50-52 '63.

COLON (ANATOMY)—TUMORS

Chronic nonspecific ulcerative pancolitis complicated by polyposis. S. B. Perel'shtein. Kaz. med. zhur. no. 3 79-80 My-Je '63.

COLON (ANATOMY)—ULCERS

Clinical aspects and treatment of nonspecific ulcerative colitis. A. A. Vasil'ev. Sov. med. 27 no. 7:41-45 Jl '63.

COLONIES

We are against the reformist conception of J. Strachey. V. V. Motylov. Vop. ist. 38 no. 7:167-172 '63.

COLOR—PHYSIOLOGICAL EFFECT

Color serves health. L. B. Rabin, I. G. Sevela and Zdorov'e 8 no 7 23-24 Jl '64.

COLOR—PSYCHOLOGY

Color serves health. L. B. Rabin, I. G. Sevela and Zdorov'e 8 no 7 23-24 Jl '64.

COLOR MOTION-PICTURE PHOTOGRAPHY

Color control of the subjects in filming [with summary in English on p. 9b] M. M. Shchedrinskii. Tekh. kino i televid. 7 no. 6 27-28 Je '63

The Tekh-1 color brightness meter lens attachment. Tekh. kino i televid. 6 no. 4 38-39 Ap '62

COLOR MOTION-PICTURE PHOTOGRAPHY—FILMS

Determining the ratio of masking and nonmasking components in color films [with summary in English on p. 96] L. V. Grechko, L. F. Artiushin, IU. B. Vilenskii. Tekh. kino i televid. 7 no. 6 1-8 Je '63

COLOR TELEVISION

Experimental study of the compatibility of color television systems [with summary in English on p. 96]. S. V. Novakovskii, N. I. Martina. Tekh. kino i televid. 7 no. 6 49-53 Je '63

Stereo color television with a reduced frequency band. V. E. Dzhakonia, V. I. Ermikin. Tekh. kino i televid. 6 no. 4 48-55 Ap '62

COLOR TELEVISION—INTERFERENCE

Interference resistance of a color television system with quadrature modulation of the carrier. B. M. Petzner. Tekh. kino i televid. 5 no. 7 34-39 Jl '61

COLORIMETRY

"Colorimetric (photometric) methods for the determination of nonmetals." by Ed. D. Boltz. Reviewed by V. G. Gorshkov. Zhur. anal. khim. 18 no. 6 784 Je '63

On the separation of metals interfering with the photocolorimetric determination of small amounts of cobalt in ores by β-nitroso-α-naphthol. IU. L. Lel'chuk, I. L. Shcherbova. Izv. VUZ. Tsvet. met. no. 1 53-58 '61

Photocolorimetric determination of arsenic following its preliminary isolation. N. L. Babenko. Trudy Alt. GMNII AN Kazakh. SSR 14.129-130 '63.

COMBINES (AGRICULTURAL MACHINERY)
(see also subdivision under Rostov Province)

Farming level and self-propelled grain harvesting combines. N. V. Gerasimov. Zemledelie 25 no. 7 49-55 Jl '63.

Hundreds of millions of poods of grain can be saved. A. Repnikov. NTO 5 no. 6 47-49 Je '63.

Modifying the picker of the S-4M combine for pea harvesting. L. Karpov. Tekh. v sel'khoz. 23 no. 5 15-17 My '63

New silage harvesting combines. A. Ivanov. Ekon. sel'khoz. 34 no. 7 68-70 Jl '63.

Paniukov, D. N. [Use grain combines for harvesting various crops] Ispol'zuite zernovye kombainy dlia uborki razlichnykh kul'tur. [Moskva] Mosk. rabochii, 1963. 54 p. (Sovety molodomu mekhanizatoru) (DNAL)

Progressive method of gathering and stacking straw. V. Kotelianets, E. Kreminskaia. Ekon. sel'khoz. 34 no. 7 104-107 Jl '63.

Reaper and pick-up mechanism. V. Matveev. Sel'. mekh. no. 5 30-31 My '63

Technical and economic indices of the K-3 and KGP-2 potato harvesting combines. V. S. Revuka. Visnyk sil'hosp. nauky 6 no. 8 21-25 Ag '63.

A wide cut. I. Samokhodskaia. Sel'. mekh. no. 5 7-9 My '63

COMBING MACHINES

Analyzing the performance of the silver forming elements of a wool comber. G. I. Akhiskelashvili. Tekst. prom. 23 no. 8 40-43 Ag '63.

Blending and straightening of fibers on roller combers. M. V. Emmanuel'. Tekst. prom. 23 no. 8:32-36 Ag '63.

COMBUSTION

Development of the ignition process of moist fuel. P. A. Zhuchkov. Trudy LTITSBF no. 8:156-169 '61.

On the theory of the inflammation of condensed systems by an incandescent surface. V. N. Vilimov, O. B. Sidonskii. Dokl. AN SSSR 152 no. 1:131-133 S '63.

Spread of the chemical reaction zone in pure acetylene and mixtures with other gases. B. A. Ivanov, S. M. Kogarko. PMTF no. 3:59-66 My-Je '63

Temperature curves in the combustion of ammonium perchlorate. V. K. Bobolev and others. Dokl. AN SSSR 151 no. 3:604-607 Jl '63.

COMBUSTION, SPONTANEOUS

Thermal spontaneous ignition of a homogeneous gaseous mixture in flow. A. G. Merzhanov, A. K. Filonenko. Dokl. AN SSSR 152 no. 1:143-146 S '63.

COMMERCE

Piskoppel', F. G., and I. S. Potapov, eds. [Foreign trade of capitalist countries] Vneshniaia torgovlia kapitalisticheskikh stran. [By] I. S. Potapov i dr. Moskva, Vneshtorgizdat, 1963. 456 p.

What we expect of the International Trade and Development Conference. Josip Berda. Nov. vrem. 21 no. 31 15-16 Ag '63.

COMMERCIAL AERONAUTICS see Aeronautics, Commercial

COMMERCIAL CRIMES

Responsibility for highly injurious profiteering. I. Romanenko. Sov. iust. no. 9 8-9 My '63.

COMMERCIAL LAW

How the agencies of state arbitration establish the new legal rules which regulate the settlement of accounts. I. S. Miloketin. Izv. vys. ucheb. zav., prav. 7 no. 2 112-120 '63

Some disputes do harm to the Soviet state. Sov. iust. no. 12 9-11 Je '63

When the disputes do harm to the Soviet state. A. Rapoport, N. Gizatullin, F. Kul'bolsov. Sov. iust. no. 9:11-16 My '63

COMMUNICABLE DISEASES

Effect of infectious diseases on the state of antitoxin immunity to diphtheria. F. P. Manolova. Ped., akush. i gin. 25 no. 2 3-5 '63

COMMUNICABLE DISEASES—CONGRESSES

Results of the Third International Congress on Infectious Pathology. I. R. Drobyshin. Zdravookhranenie 6 no. 1 59-62 Ja-F '63

Third International Congress on Infectious Pathology. N. I. Morozkin. Vrach. delo no. 6:144-146 Je '63.

COMMUNICABLE DISEASES—PREVENTION

Hygienic instruction of patients with infectious diseases under dispensary observation. L. P. Zabolotskaia, L. F. Fasler, R. K. Lell'. Sov. zdrav. 22 no. 6 36-39 '63.

Importance of disinfection in the control of infectious diseases. V. N. Dodonov. Fel'd. i akush. 28 no. 2:7-8 F '63

COMMUNICATION AND TRAFFIC

Mail, telegraph, telephone, radio... N. Psurtsev. Kul't. i zhizn' 7 no. 5 4-7 '63.

COMMUNISM
(see also subdivision under Korea, North, United States)

Anticommunism is the main content of the ideology of imperialism. G. Khromushin. Vop. ekon. no. 8 43-52 Ag '63.

Bright ideas and exalted feelings. Nikolai Shundik. Ogonek 41 no. 26 2-3 Je '63.

The CPSU and the international communist movement. K. K. Grigor'ev. Uch. zap. kaf. obshchestv. nauk vuz. g. Len., Ist. KPSS no. 4:155-176 '63.

Cherished dream of mankind. B. Balanov. Nov. mir 38 no. 9 268-269 S '62.

Cherkovets, V. N. [Socialism stands first] Sotsializm derzhit pervenstvo. Moskva, Izd-vo "Znanie," 1963. 44 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no. 6)

Creative development of the Marxist-Leninist theory of the building of socialism and communism. K. M. Frolov. Vop. ist. KPSS 7 no. 9 3-14 S '63

Creative Marxism-Leninism and the problems of the labor movement. T. Timofeev. Mir. ekon. i mezhdunar. otn. no. 8:3-20 '63.

Decisions of the Plenum of the Central Committee of the CPSU are being carried out. Avtom., telem. i sviaz' 7 no. 8:1-2 Ag '63.

Economics and the ideological struggle. L. Leont'ev. Vop. ekon. no. 8 27-42 Ag '63.

Festival of peace and the joys of work. Igor' Kobzev. Kul't. i zhizn' 7 no. 5, 2 '63.

For high ideological standards in scientific studies. Mekh. i elek. sots. sel'khoz. 21 no. 4:1-2 '63.

For the general line of the world communist movement and against left-wing opportunism, nationalism, and adventurism. Kommunist 40 no. 14 4-38 O '63.

Gvozdev, N. N. [Each for society, society for each; a popular story on the law of distribution in the period of transition from the socialist to the communist economy] Kazhdyi - obshchestvu, obshchestvo - kazhdomu; populiarnyi rasskaz o zakone raspredeleniia v period perekhoda ot sotsialisticheskoi ekonomiki k kommunisticheskoi. Moskva, Ekonomizdat, 1963. 62 p.

The ideas of communism are our guiding star. Radio no. 8:1-2 Ag '63.

Inexhaustible source. A. I. Kartunova. Vop. ist. KPSS 7 no. 8 117-120 Ag '63.

International significance of the historical experience of the party of Lenin. V. Orlov. Komm. Ukr. 36 no. 6:67-75 Je '63.

Kommunisticheskaia partiia Sovetskogo Soiuza. Vysshaia partiinaia shkola. Kafedra marksistsko-leninskoi filosofii. [Historical materialism] Istoricheskii materializm. Pod red. A. D. Makarova, G. V. Terineva i E. N. Chesnokova. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 349 p.

Leningrad. Universitet. [Characteristics action of the laws of dialectics during the transition period to communism] Osobennosti deistvila zakonov dialektiki v period perekhoda k kommunizmu. [Leningrad] Izd-vo Leningr. univ., 1963. 122 p.

Morozov, N. S., and A. T. Polukarov. [Gradual transformation of socialist production relations into communist ones] Postepennoe preobrazovanie sotsialisticheskikh proizvodstvennykh otnoshenii v kommunisticheskie. [Moskva] Rozvuzizdat, 1963. 50 p.

New book on the economic problems of development of world socialist system. M. Odinova. Vop. ekon. 9 no. 8 139-132 Ag '63.

New phase in the ideological work of our party. [Editorial] KPSS 7 no. 8 3-15 Ag '63

Razhin, V. P. [Introduction to the theory of scientific communism] Vvedenie v teoriiu nauchnogo kommunizma. [Leningrad] Izd-vo Leningr. univ. 1963. 164 p.

Scientific principles of the program of the CPSU. M. I. IUrago. Uch. zap. kaf. obshchestv. nauk vuz. g. Len., Ist. KPSS no. 1:3-14 '63.

[Signs of the times] Primety vremeni. Moskva, Sovetskaia Rossiia, 1963. 294 p.

Struggle for peace and prospects for the development of socialism. IU. Arbatov. Kommunist 40 no. 11 51-61 Jl '63

Training significance of a courage in the economic work of socialism. N. Karotamm. Vop. ekon. no. 1 39-47 '63.

The 22d Congress of the Communist Party of the Soviet Union, the new program of our party. Kommunist no. 8:76-82 Je '63.

Under the banner of communist ideology for the creation of a material and technical base of communism. Tsvet. met. 36 no. 8 1-6 Ag '63.

Vorobiov, I. F., and A. Kogan. [Marxist-Leninist philosophy, a popular manual] Marksistsko-leninskaia filosofiia, populiarnyi prakticheskii kurs. Kyiv, Derzh. vyd-vo politychnoi lit-ry URSR, 1961. 414 p. (WU)

Was the early Christianity communist? IA. Leshchinskii. Nauka i rel. 4 no. 7:40-45 Jl '63.

Weitling, W. Ch. [Guarantees of harmony and liberty. With a supplementary brochure by W. Weitling "Humanity, as it is and how it should be." Translated from the German] Garantii garmonii i svobody. S prilozheniem broshiury V. Veitlinga "Chelovechestvo, kak ono est' i kakim ono dolzhno bylo by byt'." Vstup. stat'ia V. P. Volgina. Moskva, 1962. 584 p. (Akademiia nauk SSSR. Predshestvenniki nauchnogo kommunizma) (CU)

Works of a remarkable utopian socialist. I. I. Gol'tsman. Vop. ist. 38 no. 7:146-149 Jl '63.

COMMUNISM—BIBLIOGRAPHY see Bibliography—Communism

COMMUNISM—PERIODICALS

Sparks of a great fire. Izobr. iskus. no. 7:2-3 '63.

COMMUNISM AND ART
(see also subdivision under Ukraine, Western)

Creative method of socialist and communist art. A. Dymshits. Kommunist 40 no. 14 89-93 O '63

For communist ideology and great mastery of Soviet art. E. Belashova. Iskusstvo 26 no. 5:7-19 '63.

A Leninist approach to the problems of literature and art. F. A. Krivitskii. Vop. ist. KPSS 7 no. 9 15-21 S '63

Leninist principle of party spirit in literature and art. A. S. Miasnikov. Vop. ist. KPSS 7 no. 8 41-53 Ag '63

Lofty mission of literature and art. A. Galanov. Vop. lit. 7 no. 7:3-15 Jl '63

Main trend. Doshk. vosp. 36 no. 6:4-7 Je '63.

Party principles are a compass. Z. Apresian. Mol. komm. no. 8:32-35 Ag '63.

With the people and with the party! Ogonek 41 no. 26: 6-7 Jl '63.

Works that our people love. Z. Doktarau. Belarus' 26 no. 5:17 My '63.

COMMUNISM AND LITERATURE
(see also subdivision under Lvov Province)

Creative method of socialist and communist art. A. Dymshits. Kommunist 40 no. 14:89-93 O '63

Denisova, I. V. [High principles can't be abandoned; new trends in the lyric poetry of the young] Vysoty otdavat' nel'zia; novoe v lirike molodykh. Moskva, Izd-vo "Znanie," 1963. 23 p. (Novoe v zhizni, nauke, tekhnike. X Seriia: Molodezhnaia, no. 14)

Gus, M. S. [Literature and an era; literary criticism] Literatura i epokha; literaturno-kriticheskie stat'i. Moskva, Sovetskii pisatel', 1963. 361 p.

A Leninist approach to the problems of literature and art. E. A. Krivitskii. Vop. ist. KPSS 7 no. 9:15-21 S '63

Leninist principle of party spirit in literature and art. A. S. Miasnikov. Vop. ist. KPSS 7 no. 8 41-53 Ag '63.

Lofty mission of literature and art. A. Galanov. Vop. lit. 7 no. 7:3-15 Jl '63.

Party principles are a compass. Z. Apresian. Mol. komm. no. 8:32-35 Ag '63.

Reliable weapon. Mol. komm. no. 7:3-7 Jl '63

With the people and with the party! Ogonek 41 no. 26: 6-7 Jl '63.

Works that our people love. Z. Doktarau. Belarus' 26 no. 5:17 My '63.

COMMUNISM AND RELIGION

Creative approach and concreteness. J. Lukacs. Nauka i zhiz. 4 no 7:22-24 '63

COMMUNIST COUNTRIES—COMMERCE

Moscow. Institut mezhdunarodnykh otnoshenii. [Organization and technique of the foreign trade of the U S S R and other socialist countries] Organizatsiia i tekhnika vneshnei torgovli SSSR i drugikh sotsialisticheskikh stran, uchebnoe posobie pod red B S Vaganova Moskva, 1963. 343 p

COMMUNIST COUNTRIES—ECONOMIC CONDITIONS

Akademiia nauk URSR. Kiev. Instytut ekonomiky. [Economic bases of the transition to communism of the countries of the world socialist system] Ekonomichni osnovy perekhodu krain svitovoi sotsialistychnoi systemy do komunizmu. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 265 p.

COMMUNIST COUNTRIES—ECONOMIC POLICY

"Economic role of the state under socialism." I H. Vlasov, O. I. Hanusets', Ukr. ist. zhur. 6 no. 3 147-148 My-Je '63.

Pilipenko, N. V. [General principles of the building of socialism and communism and their individual manifestations in various countries] Ob obshchikh zakonomernostiakh stroitel'stva sotsializma i kommunizma i svoeobraziiakh proiavleniia v raznykh stranakh. Moskva, Vysshaia shkola, 1963. 83 p. (Materialy lektsii po filosofii)

COMMUNIST COUNTRIES—FISHERIES

Cooperation in the development of sea fisheries. G. K. Voitolovskii. Ryb. khoz. 39 no. 8 83-85 '63.

COMMUNIST COUNTRIES—FOREIGN ECONOMIC RELATIONS

New book on the economic problems of developing the world socialist system. M Ostrova. Vop. ekon. no. 8 128-132 Ag '63.

COMMUNIST COUNTRIES—FOREIGN RELATIONS

"International law forms of the cooperation of socialist countries." V. I. Morozov. Sov. gos. i pravo 33 no. 9: 152-154 S '63.

COMMUNIST COUNTRIES—MOTION PICTURES—CONGRESSES

Development of motion-picture engineering in the socialist countries. Tekh. kino i telev. 5 no. 7:3-9 Jl '61.

COMMUNIST COUNTRIES—PUBLIC HEALTH

Study of the incidence of disease among the population in socialist countries. V. K. Ovcharov. Zdrav. Ros. Feder. 7 no. 7:31-34 Jl '63.

COMMUNIST EDUCATION

Communist education and the study of history [with summary in English, p. 219]. Iu. A. Poliakov. Vop. ist. 38 no. 7:3-18 Jl '63.

Communist ideology is our weapon. Sov. profsoiuzy 19 no. 14:1-2 Jl '63.

Current tasks of ideological party work: Resolution of the Plenum of the Central Committee of the CPSU based on the report of Comrade L. F Il'ichev, Secretary of the Central Committee of the CPSU, adopted on June 21, 1963 Part zhizn' [Uzb.] 6 no 7,3-16 Jl '63

Educate convinced and steadfast fighters for communism! Story of the Third Plenum of the Central Committee of the Communist Youth League. Komsom. zhizn' no. 15/16:9-41 Ag '63.

Education does not tolerate cliches. O. M. Verezub. Rad. shk. 42 no. 8:17-20 Ag '63.

For the new victories of communism! Uchet i fin v kolkhoz. i sovkhoz. 20 no. 8:2-4 Ag '63.

Ideological training of the student-members of the Communist Youth League. R. A. Kurbatova. Sov. pedag. 27 no. 7.38-46 Jl '63.

Important frontier of the struggle for communism. Don. i kred. 21 no. 8.3-7 Ag '63.

Improve ideological work to meet new tasks. Ekon. sel'khoz. 34 no. 7:1-VIII Jl '63.

Improve the creative activity of the people. Nar. khoz. Uzb. 5 no. 8:3-9 Ag '63.

Inculcating the principles of communist ethics in school children. Kh. Dzhalilov. Nauch. trudy TashGU no. 207: 275-282 '62.

Let's be active partisans of the ideological front. Prep. ist. v shkole 18 no. 5.3-7 S-O '63.

Let's be more active. B. M. Bagandov. Vech. sred. shkola 6 no. 3:62-63 My-Je '63.

Let's educate our youth in the spirit of communist ideology. Sov. pedag. 27 no. 7:3-11 Jl '63.

Let's inculcate communist tenets in students. M. O. Dolyna. Rad. shk. 42 no. 8:22-27 Ag '63.

Let's mold the new man. Biol. v shkole no. 4:1-4 Jl-Ag '63.

Party news. Part. zhizn' no. 16:79-80 Ag '63.

Problems of ideological work in the economics department. A. Glukhov, O. Pastrevich. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 5:100-103 '63.

Raise the level of ideological work. Teor. i prak. fiz. kul't. 26 no. 6:1-5 Je '63.

Remarks of a member of the June Plenum L. P Matiushkina Prep ist v shkole 18 no. 5 8 S-O '63

Resolution of the Third Plenum of the Central Committee of the Communist Youth League Results of the June Plenum of the Central Committee of the CPSU on the "Urgent tasks of ideological party work" and the role of Communist Youth League organizations in the education of Soviet youth at the present stage of the building of communism. Komsom. zhizn' no 15/16 1-8 Ag '63

Respublikanskaia nauchno-prakticheskaia konferentsiia po problemam kommunisticheskogo vospitaniia trudiashchikhsia, Ulan-Ude, 1961. [Communist education of the workers] Kommunisticheskoe vospitanie trudiashchikhsia, materialy... v period razvernutogo stroitel'stva kommunizma. Ulan-Ude. Buriatskoe knizhn. izd-vo, 1961 199 p
(CSt-H)

Search and search again.... Nar. obr. no. 8:117 Ag '63.

Some problems of communist education in textbooks and schoolbooks. S. L. Gisin. Teor. i prak. fiz. kul't. 26 no. 6:67-69 Je '63.

Where can you study? Part. zhizn' no. 16:43-50 Ag '63.

With us in Noril'sk. A. I. Rukosueva. Vech. sred. shkola 6 no. 3:63-65 My-Je '63.

Work and education are inseparable. Koks i khim. no. 6: 3-6 '63.

COMMUNIST EDUCATION—CONGRESSES

Conference on science and practice of student training. N Monakhov. Sov. pedag. 27 no. 7:151-156 Jl '63.

COMMUNIST ETHICS

Communist labor. I. Smirnova. Rab. i sial. 39 no. 6: 3-4 Je '63.

Family matters. V. Razumnevich. Mol. komm. no. 8:70-75 Ag '63.

How the workers of a factory struggle against surviving traces of the past E. Lisavtsev. Kommunist 40 no 14 102-109 O '63.

Inculcating the principles of communist ethics in school children. Kh. Dzhalilov. Nauch. trudy TashGU no. 207: 275-282 '62.

Let's raise the ideological and political training of students to a new level. Sov. pedag. 27 no 6.3-11 Je '63.

[Morality as the Communists see it] Moral', kak ee ponimaiut kommunisty. Izd. 2., dop. Moskva, Gospolitizdat, 1963. 246 p.

A strong factor in the struggle for the victory of communism. Mat. v shkole no. 4:3-4 Jl-Ag '63.

COMMUNIST ETHICS—BIBLIOGRAPHY see Bibliography—Communist ethics

COMMUNIST ETHICS—STUDY AND TEACHING

Acquainting children with the norms of communist morals. I. Man'ko. Rad. shk. 42 no. 8 20-22 Ag '63.

Laboratory with community participation. Sov. pedag. 27 no. 7:154 Jl '63.

COMMUNIST INTERNATIONAL—BIBLIOGRAPHY see Bibliography—Communist international

COMMUNIST LABOR see Socialist competition

COMMUNIST PARTIES
(see also subdivision under Europe, Western)

Communists and youth. P. Kachugin. Mol. komm. no. 8:106-110 Ag '63.

The international communist movement and Peking. Sovremennik Nov. vrem 21 no. 31:3-5 Ag '63.

COMMUNIST PARTY see subdivision under Bulgaria; Ceylon; China; Denmark; Finland; France; Germany; Germany, East; Great Britain; Vietnam, North

COMMUNIST PARTY IN LITERATURE

"Immortality." Khv. Zhychka Belarus' 20 no. 5:28 My '63.

COMMUNIST PARTY IN LITERATURE AND ART

Works of art devoted to the party. O. Kylanychenko. Ukraina no. 15:2 Jl '63.

COMMUNIST PARTY OF THE SOVIET UNION
(see also subdivision under Cheboksary; Donetsk; Lvov Province, Tajikistan; Turkestan; Turkmenistan; Ukraine; Uzbekistan)

Anniversary of our beloved party. Uzbekistan 22 no. 8: 3 Ag '63.

Bequeathed by Lenin. V. Timofeev. Part. zhizn' Kazakh. 33 no. 4:16-19 Ap '63.

A book on the collective work of the leaders of the Communist Party. G. Zhdanov, V. Nazemnov. Komm. Uz. 35 no. 6:93-96 Je '63.

The CPSU is the party of the whole Soviet nation. F. Gorovskii. Komm. Ukr. 38 no. 6:59-66 Je '63.

[The CPSU on trade unions, 1956-1962] KPSS o profsoiuzakh, 1956-1962. [Moskva] Profizdat, 1963. 534 p.

Control in operation. N. Petukhov. Komm. Vooruzh. Sil 3 no. 16:32-37 Ag '63.

Daily guidance of the movement for communist labor. Kh. Abdrakhmanov. Part. zhizn' Kazakh. 33 no. 4: 51-55 Ap '63.

Discover and support the new Part. zhizn' [Uzb.] 6 no 7 92-94 Jl '61

Glorious path of struggle and victories M. M. Kubrushko. Rad. shk. 42 no. 7:3-6 Jl '63.

Ideological work is in a great ascent. Komm. Vooruzh. Sil 3 no. 16:26-31 Ag '63.

Increased influence of the CPSU is an objective law of the development of Soviet society. Sov. gos. i pravo 33 no. 9:3-14 S '63.

International significance of the historical experience of the party of Lenin. V. Orlov. Komm Ukr. 38 no 6:67-75 Je '63.

Kozlov, F. R. [Changes in the statute of the Communist Party of the Soviet Union; report at the 22d Congress of the CPSU on October 20, 1961] Pro zmini v statuti Kommunistychnoi partii Radians'koho Soiuzu; dopovid' na XXII z'izdi KPRS 28 zhovtnia 1961 roku. Kyiv, Derzhpolitvydav URSR, 1962. 36 p.

Leading role of the CPSU in the development of the Soviet state and law. Izv. vys. ucheb. zav.; prav. 7 no. 2:3-14 '63.

A man from Krasnaya Presnya. IU Dranov. Mol. komm. no. 7:16-22 Jl '63.

Marxism-Leninism is our banner and our fighting tool. N. S. Khrushchev's speech at the Plenum of the Central Committee of the CPSU June 21, 1963. Part. zhizn' Kazakh. 33 no. 7:15-13 Jl '63.

Moscow. Akademiia obshchestvennykh nauk. [Lectures on the history of the CPSU] Lektsii po istorii KPSS. Moskva, Izd-vo VPSh i AON, 1963-
(CSt-H)

Moscow. Muzei revoliutsii SSSR. [The party is our rudder] Partiia - nash rulevoi. [Moskva] Gospolitizdat, [1963] 14 plates (in portfolio)
(CSt-H)

Party of the new age. Nov. vrem. 21 no. 31:1-2 Ag '63.

Scientific principles of the program of the CPSU. M. I. Urago. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; ist. KPSS no. 4:3-14 '63.

Shoulders of millions. V. Rudin. Ogonek 11 no. 31:9-11 Jl '63.

Sixty years of the struggle for the happiness of the people. Vest. stat. no. 8 3-6 '63.

Some problems concerning the international role of the historical experience of the CPSU. Ib. Norlund. Vop. ist. KPSS 7 no. 9:55-68 S '63

Special courses for students of the Department of the History of the CPSU of the Faculty of History of Moscow University. N. V. Savinchenko, K. G. Levykin. Vop. ist. KPSS 7 no. 9:149-152 S '63.

There is such a party! V. Martynov. Mol. komm. no. 8:3-11 Ag '63.

Turning point in the history of the Russian and worldwide revolutionary movement. Sov. pedag. 27 no. 7:12-17 Jl '63.

The 22d Congress of the Communist Party of the Soviet Union; the new program of our party. Komm Ukr 38 no. 6:76-82 Je '63.

What can we learn from the history of the CPSU? Komm Ukr. 30 no. 6:83-86 Je '63.

COMMUNIST PARTY OF THE SOVIET UNION—BIBLIOGRAPHY see Bibliography—Communist party of the Soviet Union

COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES

Sikorskii, V. M., and N. G. Krul'ko, eds. [Decisions of the 22d Congress of the CPSU, the detailed program for the building of communism] Reshenia XXII s"ezda KPSS; razvernutaia programma postroenia kommunizma. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovania BSSR, 1962. 310 p.
(MH)

COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP

If the party needs my life.... L. Kulikova. Mol. komm. no. 7:00-06 Jl '63.

Investigation of the personal affairs of a communist. Part. zhizn' no. 16:40-42 Ag '63.

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK
(see also subdivision under Andizhan Province; Bukhara Province; Kazakhstan; Perm; Soviet Central Asia; Ukraine; Uzbekistan; Vinnitsa Province; Yukhnov District)

Aid to the secretary of a party organization: The party organization of a research institute. Part. zhizn' no. 16:32-39 Ag '63.

Answers to questions: Report and election meetings. Part. zhizn' no. 17:51-52 S '63.

Answers to unpublished letters. Part. zhizn' no. 16:79 Ag '63.

As told by the participants of the All-Union Conference on Industries and Construction and of the All-Union Conference of the Foremost Workers of Communist Labor. T. P. Mochalova and others. Tekst. prom. 23 no. 8:4-11 Ag '63.

A commissar of peaceful times. S. Bakhmet'eva. Mol. komm. no. 7:54-57 Jl '63.

COMMUNIST PARTY OF THE SOVIET UNION -- PARTY WORK (Continued)

Concerning adherence to principles P Kruto Part zhizn' [Uzb] 6 no 7 81-84 Jl '63

Concentrated attack on the second virgin lands S Modestov, G Murzagulov Part zhizn' Kazakh 33 no 6 10-14 Ag '63

Concrete and operational, F Marchenko, Part. zhizn' no. 17:46-50 S '63.

Contribution of the Aral Sea fishermen T Ishimuratov Part zhizn' [Uzb] 6 no 7 80-81 Jl '63

The core of ideological work E Sokolova Part zhizn' Kazakh, 33 no. 8 14-18 Ag '63

Current tasks of ideological party work resolution of the Plenum of the Central Committee of the CPSU based on the report of L. F Il'ichev, Secretary of the Central Committee of the CPSU adopted June 21, 1963 Part zhizn' Kazakh 33 no 7 3-14 Jl '63.

Current tasks of ideological party work Resolution of the Plenum of the Central Committee of the CPSU based on the report of Comrade L F Il'ichev, Secretary of the Central Committee of the CPSU adopted on June 21, 1963 Part zhizn' [Uzb] 6 no 7 3-16 Jl '63.

Day by day attention should be given to the education of youth. N. Ivanitsovich. Agitator no 12,29-33 Je '63

The duty of a communist. Kh. Bakhaev. Part. zhizn' Kazakh. 33 no. 8 39-43 Ap '63.

Effective reorganization of the party guidance of industry. V. I. Drozdenko. Ukr. ist. zhur. 6 no. 5 3-13 My-Je '63.

From the pages of party magazines. Part. zhizn' Kazakh. 33 no 4:70-80 Ap '63.

The grain of the Ural Mountain Region P Zemlianov. Part. zhizn' Kazakh 33 no. 8 37-40 Ag '63

The great decade Part zhizn' Kazakh 33 no 8:3-6 Ag '63

Handle workers' letters and complaints tactfully A Morseev Part zhizn' [Uzb.] 6 no 7 53-56 Jl '63

I am very glad, . . . IA. Fomenko, Part. zhizn' no. 16: 51-60 Ag '63.

[Ablonskii, M. P. [Connection between propaganda and life] Sviaz' propagandy s zhizn'iu [Moskva] Musk rabochii, 1963 70 p.

An important decision Zasheb rast ot vred i bol 8 no 7 1-2 Jl '63

In the "1020" steel pipe mill. N. Kugaevskii. Agitator no 12 31-36 Je '63

Initiators of efficient work N Kabulov Part zhizn' (Uzb] 6 no 7 64-65 Jl '63

Inspector and party organizer M. Podkolzina Part zhizn' [Uzb] 6 no 7,80-81 Jl '63

Kalinin, A. I. [Communists of the "Rossiia" Collective Farm, practices of the party organization on the farm] Kommunisty kolkhoza "Rossiia", iz opyta raboty kolkhoznoi partorganizatsii [Kursk] Kurskoe knizh izd-vo, 1962. 70 p. (CSt-H) (NIC)

"Krasnyi Vostok," the propaganda and instruction train of the All-Union Central Executive Committee of the R. S. F. S. R. and the Central Committee of the Russian Communist Party (Bolshevik) in Turkestan V. Veriaskin. Nauch rab i soob. Otd. obshchestv. nauk AN Uz SSR 5:177-196 '62.

Labor training. V. Akhundov. Part. zhizn' no. 17 15-21 S '63.

The large-scale chemistry of Aktyubinsk. G Abuov. Part. zhizn' Kazakh 33 no. 7 66-69 Jl '63

Legas', I. [Everything in the name of man, and for the good of man; activities of the Communist Party in raising the material welfare of collective farmers during the period of 1953-1962] Vse vo imia cheloveka, dlia blaga cheloveka, deiatel'nost' Kommunisticheskoi partii po dal'neishemu povysheniiu material'nogo blagosostoianiia kolkhoznogo krest'ianstva v period 1953-1962 godov. Po materialam Moldavskoi SSR. Kishinev, Kartia moldovenieske, 1962. 49 p.

Letters, information, comments. Agitator no. 12:56-57 Je '63.

Maksimov, K. A. [Man must be trusted] V cheloveka nado verit'. Moskva, Gospolitizdat, 1963. 70 p

Militant helpers R Kurbanov Part. zhizn' [Uzb.] 6 no. 7:65-68 Jl '63

Mind, honor and conscience of our era. A. Alekseeva. Grazhd. av. 20 no. 7:2 of cover, 1-3 Jl '63.

New phase in the ideological work of our party. Vop. ist KPSS 7 no. 8:3-15 Ag '63.

Party news. Part. zhizn' no. 16:79-80 Ag '63.
Party news. Part. zhizn' no. 17:79-80 S '63.

Party organization in the struggle for technological progress. B. Odiashvili, L. Polner Part. zhizn' Kazakh. 33 no. 8:44-47 Ag '63.

Party work. Z. P. Antonova. Vech. srad. shkola 6 no. 3: 12-15 My-Je '63.

Pay more attention to rural party committees. Part. zhizn' no. 17:77-78 S '63.

Personal example R Khodzhaev Part. zhizn' [Uzb.] 6 no. 7 69-70 Jl '63.

Persuasion by Lenin's method. Agitator no. 12:3-6 Je '63.

A potent means for the intensification of the building of communism M A Vladimirov Vop. ist KPSS 7 no 8 124-128 Ag '63

Protecting government interests I Akhmatov Part. zhizn' [Uzb] 6 no 7 75-76 Jl '63

The rate of germination. I. Korshunov, Part. zhizn' no. 17 62-69 S '63.

Relying on the masses G Lugovoi. Part zhizn' Kazakh 33 no 8,53-56 Ag '63

Rubin, V. D. [The party organization in a workshop] TSekhovaia partiinaia organizatsiia [Riazan'] Riazanskoe knizhnoe izd-vo, 1962 38 p

Think about what is most important K Makhmudov Part zhizn' [Uzb] 6 no 7 57-59 Jl '63

To the detriment of production. A. Menshikov. Part. zhizn' no. 17,50-51 S '63.

Toward a new goal T Imanbaev Part zhizn' [Uzb] 6 no 7 68-69 Jl '63

Toward the victory of communist labor. Pozh. delo 9 no 8:1-2 Ag '63.

The unity of word and deed. Part. zhizn' no. 17:3-7 S '63.

Use various methods and work constantly with people. S Batmakov. Part. zhizn' Kazakh. 33 no 8,5-14 Ag '63.

Various forms of the political propaganda of the Communist Party, October 1917-March 1918. V. M. Shcherbak. Ukr. ist. zhur. 6 no. 3 14-23 My-Je '63.

Where can you study? Part. zhizn' no. 16:43-50 Ag '63.

Widen the propaganda of economic studies G Malykhin Part zhizn' [Uzb] 6 no. 7 24-28 Jl '63

[Your senior comrade] Tvoi starshii tovarishch. [Riazan'] Riazanskoe knizhnoe izd-vo, 1960. 44 p

COMMUNIST REVISIONISM see subdivision under Uzbekistan

COMMUNIST STATE

Economic role of the socialist state during the large-scale building of communism. L. Logvinov, N. Varzin, V. Kashin. Vop. ekon. no. 8:154-160 Ag '63.

Mighty tools of the building of communism. L. Slavin. Part. zhizn' Kazakh. 33 no. 4:62-65 Ap '63.

The state and power. A. I. Korolev, A. E. Mushkin. Izv. vys. ucheb. zav. iprav. 7 no. 2:15-26 '63.

"The 22d Congress of the CPSU and the problems of law and the state." N. D. Zeider. Izv. vys. ucheb. zav. ;prav. 7 no. 2:156-165 '63.

COMMUNIST STATE—CONGRESSES

Economic role of the socialist state during the large-scale building of communism. V. Shcherenko and others. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 5: 116-125 '63.

COMMUNIST YOUTH LEAGUE
(see also subdivision under Cherepanovo, Czechoslovakia, Kurgan-Tyube, Leningrad; Murmansk; Navoi, Novosibirsk Province, Podol'sk; Poland, Voronezh Province)

Activists are tempered in the collective. S. Kashirin, Komm. Vooruzh. Sil 3 no. 16:82-84 Ag '63.

Changes in the registration rules of the Communist Youth League. I. Korneeva Komsom. zhizn' no 15/16, 61-63 Ag '63.

Educate convinced and steadfast fighters for communism! Story of the Third Plenum of the Central Committee of the Communist Youth League. Komsom. zhizn' no 15/16 9-11 Ag '63.

Extracurricular work on the occasion of the 45th anniversary of the Communist Youth League E M. Berdnikova Prep. ist. v shkole 18 no 5:80-87 S-O '63.

Faithful to the sacred duty. G. Shatunov. Mol. komm. no. 9:38-43 S '62.

From the office to the fields and farms A IUrov. Komsom. zhizn' no. 15/16-47-48 Ag '63

Frontiers of friendship. F. Sadchikov. Grazhd. av. 20 no. 7:6-7 Jl '63.

"How glad Vladimir Il'ich would be." I. Gubanov. Mol. komm. no. 7:127-128 Jl '63.

Ideological training of the student-members of the Communist Youth League. R A. Kurbatova. Sov. pedag. 27 no. 7 38-40 Jl '63.

Inculcate ideological convictions in the defenders of the homeland. A. Mamaev. Komm. Vooruzh. Sil 3 no. 16: 76-81 Ag '63.

Introducing high cultural standards into the work and life of villages, how eight staff workers of a committee of the Communist Youth League succeeded in uniting nine thousand members. Komsom. zhizn' no. 13,4-8 Jl '63.

Learning by correspondence. M. Kaparov. Komsom. zhizn' no. 15/16'48 Ag '63.

Letters to the editor. M. Mirskii and others. Mol. komm. no. 9:80-83 S '62.

A man was saved! F. Berezovskaia. Komsom. zhizn' no. 15/16 52-53 Ag '63.

Marinchik, Pavel. [Birth of the Communist Youth League theater] Rozhdenie komsomol'skogo teatra. Moskva, Iskusstvo, 1963. 285 p.

A paper in orbit. E. Gudilin, Mol. komm. no. 9:76-83 S '62.

The pass was issued by the Moscow City Committee K. Aksanov. Mol komm. no. 9:87-89 S '62

Resolution of the Third Plenum of the Central Committee of the Communist Youth League Results of the June Plenum of the Central Committee of the CPSUOn the "Urgent tasks of ideological party work" and the role of Communist Youth League organizations in the education of Soviet youth at the present stage of the building of communism. Komsom. zhizn' no 15/16 1-8 Ag '63.

The roll call of the detachments of the "Searchlight of the Communist Youth League" movement continues Tekh. mol 30 no 11 18-19 '62.

The salesman's smile. . . and his good name. N. Loginova, V Ivanov. Komsom. zhizn' no. 13 13-17 Jl '63.

Salutskii, A. V. [Yes, a simple soldier!] Da, prostoi soldat! [Moskva] Molodaia gvardiia, 1963 61 p (Komsomol'skomu aktivistu)

Shuchenko, V. I and N. A. Nesvitenko [The Communist Youth League group] Komsomol'skaia gruppa [Moskva] Molodaia gvardiia, 1962 79 p. (Komsomol'skomu aktivistu) (NIC)

Soldiers' letters. Komsom. zhizn' no. 13 25-26 Jl '63.

There are still dependents. V. Smirnov. Komsom. zhizn' no. 13 8-9 Jl '63.

Watching over the crops. Komsom. zhizn' no 15/16 42-43 Ag '63.

We shall go on a raid. E Margolin. Komsom. zhizn' no. 13 10-12 Jl '63.

What is the order of assignment to the urgent construction projects of the countries? Komm. Vooruzh. Sil 3 no. 16:85-88 Ag '63.

COMMUNIST YOUTH LEAGUE—PERIODICALS see subdivision under Latvia

COMMUNISTS

A life that incites you to go forward. Petr Nikitin Agitator no. 12 56-60 Je '63.

Orbit of the 20th century. Ogonek 41 no. 31:2-6 Jl '63.

COMMUNISTS IN LITERATURE AND ART

Portraits of communists in Soviet Kazakh literature I Gabdirov, R Berdibaev Part. zhizn' Kazakh 33 no. 8 71-75 Ag '63.

COMMUNITY AND SCHOOL
(see also subdivision under Ekibastus; Kislovodsk, Moscow, Rzhev, Sverdlovsk, Sverdlovsk Province)

The children in our courtyard. V. Ivanov Komsom. zhizn' no 15/16 57-59 Ag '63.

The children's group is the teacher's support. A Davydenkov. Rad. shk. 42 no 8 70-73 Ag '63.

COMMUNITY CENTERS
(see also subdivision under Moldovia; Samarkand, Yakutia)

Pint, A. I. [Search, invent and create; pedagogical skill of cultural and educational worker] Iskat', izobretat', tvorit', o pedagogicheskom masterstve kul'turosvetrabotnika. Moskva, Sovetskaia Rossia, 1962. 71 p. (Bibliotechka sel'skogo klubnogo rabotnika, no. 4)

COMMUNITY LIFE see subdivision under Nyazepetrovsk

COMMUTATION (ELECTRICITY)

Commutation of electrical machines with impact loads. V. A IAkovenko Vest elektroprom 34 no. 8 4-9 Ag '63

Commutational voltage drop in d c machines with a regulated semiconductor commutator Sh I Latidze Elektroenergetika no 7 91-95 '63

COMPARATIVE GRAMMAR see Grammar, Comparative and general

COMPARATIVE PHYSIOLOGY see Physiology, Comparative

COMPLEX COMPOUNDS

Chemical characteristics of the reaction of the systems $Pb(OH)_2$ - $K_2C_4H_4O_6$ and $Cd(OH)_2$ - $NaHC_4H_4O_6$ with an excess of hydroxy acid salt present in the solution. M. E. TSimbler, N. S. Prostanik. Ukr. khim. zhur. 29 no. 6 582-585 '63.

Complex formation in the system zirconium - diantipyrylmethane - thiocyanate. M. M. Tananaikov. Ukr. khim. zhur. 29 no. 6:566-571 '63.

Determination of the charge of complex ions by paper electrophoresis. B. I. Nabivanets, L. N. Kudritskaia. Ukr. khim. zhur. 29 no. 6 586-589 '63.

Equilibria in aqueous solutions of calcium, strontium, and barium nitrates. V. P. Vasil'ev and others. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2,339-341 '63.

Infrared spectra of esters in complexes with electron-acceptor metal halides Part I Effect of α-substitution on the donor properties of the carbonyl group. D. S. Bystrov Zhur. struk. khim 4 no 4.548-554 Jl-Ag '63

Polymerization of isoprene in the presence of complexes formed by titanium tetrachloride, triethylaluminum, and amines. O. F. Solomon, P. Glineski, E. Michaelescu. Dokl. AN SSSR 152 no 1:117-118 S '63.

Potentiometric study of chloride complexes of lead, cadmium, and nickel in a fused eutectic composition KNO_3 - $NaNO_3$. IU. K. Delimarskii, V. F. Grishchenko Ukr. khim. zhur. 29 no. 5:507-511 '63.

COMPLEX COMPOUNDS (Continued)

Shift of polarograms during complex formation. IU.K. Delimarskii, V.F. Grishchenko, A.V. Gorodyskii. Ukr khim zhur 29 no 5:497-502 '63

Synthesis of Schiff bases and inner-complex compounds A.S. Kudriavtsev, I.A. Savich Vest. Mosk un Ser. 2 khim 18 no 1:61-61 Ja-Ag '63

Use of a platinum electrode in the polarographic study of complex formation in melts IU.K. Delimarskii, V.F. Grishchenko. Ukr khim zhur. 29 no.5:502-507 '63

COMPLEX NUMBERS see Numbers, Complex

COMPLEXES

Frames of submanifolds in the theory of pairs of complexes in R_3. E.T. Ivlev Sib mat zhur 4 no 4:799-820 Jl-Ag '63.

COMPLEXONS

Separation of barium from strontium with the aid of complexon III. Sulfate method for separating alkaline earth elements [with summary in English] L.I. Manasteva Zhur anal khim 18 no 6:712-716 Je '63

COMPOST

(see also subdivision under Armakayevo District, Mordovia)

Effectiveness of various composts. V.A. Alabushev. Zemledelie 25 no 9:65-66 S '63.

Preparation of manure-soil composts on narrow strips. N.A. Mudgia-Eloriaga, I.P. Nechitailo, V.M. Semenov. Zemledelie 25 no.9:68-70 S '63.

COMPOST—MICROBIOLOGY

Development of soil algae in manure-soil composts. F.A. Shtina. Agrobiologiia no. 4:585-588 Jl-Ag '63.

Microbiological processes during the aging of manure-soil composts. E.F. Berezova and others. Agrobiologiia no. 4:581-584 Jl-Ag '63.

COMPRESSED AIR

Effect of the heating of compressed air on its efficiency A.I. Karabin Izv vys uchebn. zav., energ 6 no 8:90-95 Ag '63

COMPRESSIBILITY

Compressibility of cis- and trans-1,3-dimethylcyclohexanes. M.G. Gonikberg and others. Zhur. fiz. khim. 37 no. 8:1891-1893 Ag '63.

COMPRESSORS

Interstage pressure in a two-stage piston compressor S.L. Magrachev Trudy Ural politekh inst no 108 103-107 '61

Rotary helium plate compressors. V.I. Ardashev. Khim. mashinostr. no. 1:13-17 Ja-Ag '63.

Sectional rods for piston compressors and circulating gas pumps. A.Kh. Trukhin. Khim. mashinostr. no. 1:34 Ja-Ag '63.

Semigraphical method for determining the power of drives for piston-type and rotary compressors. Trudy Ural politekh inst no 108 112-117 '61

Temperature determination in the compression cycle of a piston-type compressor. S.IA Magrachev. Trudy Ural. politekh inst no 108 108-111 '61

Vedernikov, M.I., and I.V. Rudoi. [Operator of compressor and pumping machinery in the chemical industry] Mashinist kompressornykh i nasosnykh ustanovok khimicheskoi promyshlennosti. Moskva, Profizdat, 1963. 374 p.

COMPRESSORS—SAFETY APPLIANCES

Kondrat'eva, T.F. [Safety valves for compressor units] Predokhranitel'nye klapany dlia kompressornykh ustanovok. Moskva, Mashgiz, 1963 178 p.

COMPRESSORS—SAFETY MEASURES

Safety measures at compressor stations. P.A. Gladkikh. Bezop. truda v prom. 7 no.7:3-5 Jl '63.

COMPTON EFFECT

Fermion Regge poles and the Compton effect [with summary in English]. V.G. Gorshkov, M.P. Rekalo, G.V. Frolov. Zhur. eksp. i teor. fiz. 45 no. 2:285-290 Ag '63.

Polarization phenomena due to the Compton effect on a moving electron and the production of beams of polarized gamma quanta [with summary in English]. I.R. Artiunian, I.I. Gol'dman, V.A. Tumanian. Zhur. eksp. i teor. fiz. 45 no 2:312-315 Ag '63.

COMPULSORY EDUCATION see Education, Compulsory

CONCRETE

The effect of the quality of crushed limestone upon the strength of concrete. V.I. Bul. Trudy BIIZHT no. 10: 25-36 '61.

Heat release during hardening of cement mortars and concretes. TS.G. Ginzburg, L.I. Kots. Sbor trud LIIZHT no. 192:117-136 '62.

Influence of a limestone aggregate upon the strength and deformability of concrete. V.I. Bul. Sbor. trud. LIIZHT no. 181,24-33 '62.

Investigation of the structural properties of high-strength silicate concrete and the possibility of prestressing it A. F. Shchurov. Trudy GISI no. 30:113-156 '61.

N. M. Beliaev's works in the field of concrete. IA. E. Iokhel'son. Sbor. trud. LIIZHT no 192:63-75 '62.

Plastic flow of concrete under a load L.K. Luksha Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 1:132-137 '62.

CONCRETE—DEFECTS

Increasing the resistance of concrete to cracking. A.V. Satalkin. Sbor. trud. LIIZHT no. 181:18-23 '62.

CONCRETE—PERMEABILITY

Ring casing devised by the Leningrad Railroad Engineers Institute for testing concrete for permeability L.I. Kots. Sbor. trud LIIZHT no. 192 111-116 '62

Waterproofness of harsh concrete. A.V. Satalkin, V.A. Solntseva. Sbor. trud. LIIZHT no. 181:3-17 '62.

CONCRETE—TESTING

Deformability of a lime-silica mortar and autoclaved concrete under momentary impact. A.V. Satalkin, P.G. Komokhov. Sbor. trud. LIIZHT no. 181,31-41 '62.

Durability and deformation characteristics of heavy concrete. N.F. Makhnovskii. Sbor. trud LIIZHT no. 192:221-240 '62.

Experience with waterproof internal resistance transmitters for measuring stresses in concrete I.I. Pinchuev. Izv. vys. ucheb. zav., stroi. i arkhit. 6 no 2:146-151 '63.

Ultrasonic method for checking the strength and uniformity of concrete in constructions. A.I. Rudinov. Standartizatsiia 27 no. 7:29-26 Jl '63.

CONCRETE, LIGHTWEIGHT see Lightweight concrete

CONCRETE, PRECAST see Precast concrete

CONCRETE, PRESTRESSED see Prestressed concrete

CONCRETE, REFRACTORY see Refractory concrete

CONCRETE BRIDGES see Bridges, Concrete

CONCRETE CONSTRUCTION

(see also subdivision under Krivoy Rog)

Lining the Mana and Kaspa tunnels on the Abakan-Tayshet railroad line. IA.I. Marennyi. Transp. stroi. 13 no. 6: 33-37 Je '63.

Manufacture and use of large-size construction elements and products from cementless autoclave hardened concrete. Inform. biul. VDNKH no. 7:30 Jl '62.

CONCRETE CONSTRUCTION—COLD WEATHER CONDITIONS

Placing concrete in winter with brief electric heating of the mix. A. Arbon'ev. Stroitel' 9 no 5:25-27 My '63.

CONCRETE CONSTRUCTION—FORMWORK

I.I. Pudnik's brigade sets the example for work R.N. Sviridenko, N.S. Lev. Transp. stroi 13 no. 6:44-45 Je '63

CONCRETE PILING

Precast pile foundations for electrification installations. G.M. Kuzhakov, A.A. Orel. Transp. stroi. 13 no. 6: 9-12 Je '63.

CONCRETE PLANTS—SAFETY MEASURES

Retnev, V.M. [Work hygiene in concrete production] Gigiena truda pri izgotovlenii betona. Leningrad, Medgiz, 1963. 99 p. (Bibliioteka prakticheskogo vracha)

CONCRETE REINFORCEMENT

Levi, S.S., and G.P. Sokov [Saving reinforcing steel is an important task of the builder] Ekonomiia armaturnoi stali — vazhnaia zadacha stroitelei. Moskva, Gosstroiizdat, 1963 37 p.

Production of semikilled St.5ps reinforcement steel at the Mukeevka Metallurgical Plant K.S. Alferov, N.P. Mershchii, V.I. Pilepskii. Stal' 23 no.7 615-616 Jl '63.

Supports with unlooped reinforcements. V.G. Pashkovskii, S.I. Kachur Transp. stroi. 13 no 6:12-13 Je '63.

CONCRETE REINFORCEMENT—BOND

Bond of steel reinforcement with concrete made of stiff concrete mixtures. Z.I. Donskaia, IA.E. Iokhel'son. Sbor. trud. LIIZHT no. 192:137-146 '62.

CONCRETE ROOFING see Roofing, Concrete

CONCRETE SHIPS see Ships, Concrete

CONCRETIONS see subdivision under Donets Basin

CONDENSATE OIL WELLS see subdivision under Bashkiria

CONDENSERS (ELECTRICITY)

Overhauling of KM-type condensers. B.A. Poliakov. Prom. energ. 18 no. 8:61 Ag '63.

CONDENSERS (STEAM)

Condenser installations on the tank vessel "Druzhba" ["Friendship"]. D.L. Bondarchuk. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:42-45 '62.

Control of the operating conditions of condenser installations on "Leninskii Komsomol" and "Sergei Botkin"-type ships. V.G. Ermilov, V.M. Levin. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10 45-54 '62.

CONDITIONED RESPONSE

Changes in higher nervous activity caused by p-aminobenzoic acid and novocaine during the administration of sulfanilamide [with summary in English] T.M. Turchenko, G.I. Sobkallo Zhur. vys. nerv. deiat 13 no 2 276-279 Mr-Ap '63

Changes in the electrical activity of the cerebral cortex during the formation of a conditioned reflex in monkeys [with summary in English] Wang Tai-An Zhur vys nerv. deiat 13 no 2 239-242 Mr-Ap '63

Characteristics of the formation of complex systems of temporary connections in people at the age of 50 to 80 L.A. Hurynovich. Vestsi AN BSSR Ser. biial nav no 1:59-63 '63

Cholinesterase activity in cortical points of the cerebral hemispheres during the establishment of unilateral conditioned reflexes [with summary in English] V.S. Kononenko Zhur vys. nerv. deiat 13 no 2 280-285 Mr-Ap '63

Comparative study of functional and morphologic changes under the action of DL-cycloserine on the central nervous system of white rats [with summary in English]. I.L. Ramanova. Zhur vys nerv deiat 13 no 2 352-360 Mr-Ap '63

Conditioned reflexes to relative and absolute characteristics of stimuli under conditions of their simultaneous and successive presentation in monkeys [with summary in English] IU IA Zakhar Zhur vys nerv deiat 13 no 2 261-266 Mr-Ap '63

Conditioned reflexes to time established by the prevalent participation of the second signal system A.S. Dmitriev, T.V. Pushnova, R.IA. Shikhova. Nauch. dokl. vys. shkoly; biol. nauki no. 3 78-82 '63

Disorders of higher nervous activity under conditions of unrestrained motor activity of the animal [with summary in English] V.I. Syrenskii Zhur vys nerv deiat 13 no 2 286-290 Mr-Ap '63

Formation of conditioned avoidance reflex to stimulation of the "recruiting" system used as unconditioned stimulus L. Vartian, L. Grashchian, G.I. Sakhnulina Zhur vys nerv deiat. 13 no 2 228-231 Mr-Ap '63

Higher nervous activity in dogs and the sugar level of blood under conditions of a changed pathway of the discharge of hormones of the pancreas into the system of the portal vein. A.A. Abidov. Uzb. biol zhur., 7 no. 3:42-44 '63.

Mechanism of the effect of aminazine on the central nervous system [with summary in English] E.A. Iakovleva Zhur vys. nerv deiat 13 no 2 267-275 Mr-Ap '63

Methodology of evaluating the properties of basic nervous processes in determining the type of higher nervous activity in animals by conditioned motor food reflexes [with summary in English] E.P. Kokorina. Zhur. vys nerv deiat 13 no 2 361-370 Mr-Ap '63

Nature of the influence of noradrenaline on conditioned reflex activity during direct introduction into the brain [with summary in English]. I.V. Kaltuzhnyi Zhur vys nerv. deiat 13 no 2 309-315 Mr-Ap '63

Physiological effect of verbal stimuli during "establishment of attitudes" to react quickly or correctly [with summary in English] N.I. Chuprikova Zhur vys nerv deiat. 13 no 2 255-260 Mr-Ap '63

Present-day research on some aspects of the higher nervous activity M.I. Struchkov Biul. vsshkoli no 1 76-82 Jl-Ag '63

Restoration of a previously elaborated stereotype in rats with various mobility of neural processes [with summary in English] M.S. Alekseeva, V.K. Fedorov. Zhur vys. nerv. deiat 13 no 2 326-329 Mr-Ap '63.

Some mechanisms of compensatory and substitutionary functions of a motor analyzer after the elimination of visual reception. A.S. Batuev. Nauch. dokl. vys. shkoly; biol. nauki no. 3,63-68 '63.

CONDUCTOMETRIC ANALYSIS

Amperometric method for the determination of oxygen in water [with summary in English] V.M. Kutiurin Zhur anal khim 18 no 6:765-768 Je '63.

High frequency titration. Report No 6 Change of electric characteristics during reactions in nonaqueous media [with summary in English] I.A. Gur'ev, V.A. Zaimovskii Zhur anal. khim 18 no 6:696-700 Je '63

Laboratory high-frequency automatic titrator. G.A. Mukhin, M.A. Veksler, A.I. Botarinov. Zav. lab. 29 no. 8:1008-1009 '63.

CONFECTIONERY

Mechanization of caramel production and division of labor of the workers in various confectionery enterprises. V.V. Rozhkova. Khleb. i kond. prom. 7 no. 8: 20-25 Ag '63.

Role of the collectives and shock workers of communist labor in the investigation of potentials for the growth of labor productivity in confectionery enterprises. A.F. Romashkina. Khleb. i kond. prom. 7 no. 8:1-4 Ag '63.

CONFECTIONERY—EQUIPMENT AND SUPPLIES

Heat exchange in the boiling down of "Iris" toffee mass in a coil apparatus. I.A. Chubik, R.R. Listovskii. Khleb. i kond. prom. 7 no. 8:30 Ag '63.

CONFESSION

Confession. A. Chertkov. Nauka i rel. 4 no. 7:62-65 Jl '63.

CONFLICT OF LAWS

Lunts, L. A. [Private international law; special part] Mezhdunarodnoe chastnoe pravo, osobennaia chast' Moskva, Gosiurizdat, 1963. 362 p. (His: "Kurs mezhdunarodnogo chastnogo prava.")

CONFORMAL MAPPING

Solution of the plane problem of the theory of elasticity with the aid of electric modeling of conformal mapping A. G. Ugodchikov. Trudy GISI no 30:3-41 '61.

Use of the trigonometric interpolation method in conformal mapping of given regions [with summary in English]. P. F. Filchakov. Ukr. mat. zhur. 15 no 2:158-172 '63.

CONGO (BRAZZAVILLE)—POLITICS AND GOVERNMENT

The Brazzaville alarm bell. V. Sidenko. Nov. vrem. 21 no. 34:8-9 Ag '63.

CONGO (LEOPOLDVILLE)—PYGMIES

In the tracks of a journey; sixth sketch [with English summary in insert]. D. Bystroletov. Az. i Afr. segs. no. 8:42-41 Ag '63.

Love and worry. A. Turkov. Vokrug sveta no. 1:62-63 Ja '63.

CONGRESSES AND CONVENTIONS—BIBLIOGRAPHY see Bibliography—Congresses and conventions

CONIFERAE

(see also subdivision under Kirghizistan; Leningrad Province)

Apparatus for cleaning and grading conifer seeds. A. K. Karebaki. Les. khoz. 16 no. 6:68-70 Je '63.

CONJUGATION (CHEMISTRY)

Reactions of fluorinated olefins. Report No. 17: Competing conjugation in perfluoroalkenylphosphinic esters. I. L. Knunyants, E. IA. Pervova, V. V. Tuleneva. Izv. AN SSSR, Ser. khim. no. 9:1576-1583 S '63.

Synthesis of polymers with a system of conjugate bonds and their electric conductivity [with summary in English]. G. M. Pshentsyna, P. S. Shantarovich. Vysokom. soed. 5 no. 8:1228-1231 Ag '63.

CONJUNCTIVITIS, GRANULAR

(see also subdivision under Aleksandrovka, Kirghizistan)

Heroic deed of a scientist. S. A. Bilnkin. Zdorov'e 9 no. 5:22 My '63.

CONNECTIVE TISSUES

Autoradiographic study of the length of periods of the mitotic cycle in cells of shapeless areolar connective tissue under normal conditions. N. G. Khrushchov. Dokl. AN SSSR 151 no. 5:1201-1203 Ag '63.

CONSCIOUSNESS

Charles Darwin on the origin of consciousness and the evolutional forms of the reflection of living nature. P. Zabotin. Nauch. trudy TashGU no. 207:167-178 '62.

Current viewpoints on the reticular formation and central encephalic system. D. Matcev. Zhur. vys. nerv. deiat. 13 no. 2:243-254 Mr-Ap '63.

Disorders of consciousness in atherosclerosis of the vessels of the brain. IU. E. Rakhel'skii. Trudy 1-go MMI 21:58-66 '63.

CONSERVATION OF NATURAL RESOURCES

(see also subdivision under Azerbaijan)

Organization and work of a school "green patrol." G. E. Kovaleva. Biol. v shkole no. 4:58-61 Jl-Ag '63.

CONSTITUTIONAL LAW

Real meaning of the "rule of law" slogan. V. A. Tumanov. Sov. gos. i pravo 33 no. 8:50-61 S '63.

Subject matter of constitutional law. B. V. Shchetinin. Izv. vys. ucheb. zav. ;prav. 7 no. 2:139-148 '63.

CONSTRUCTION EQUIPMENT see subdivision under Omsk

CONSTRUCTION EQUIPMENT—EXHIBITIONS see subdivision under Moscow

CONSTRUCTION EQUIPMENT—SAFETY MEASURES

Gol'dshtein, L. V. [Safety manual for electricians servicing construction equipment] Pamiatka po tekhnike bezopasnosti dlia elektromontera po obsluzhivaniu stroitel'nykh mekhanizmov. Izd. 2., perer. i dop. Moskva, Gosstroiizdat, 1963. 81 p. (Tekhnika bezopasnosti v stroitel'stvo)

CONSTRUCTION EQUIPMENT—TRANSPORTATION

Danilov, P. P. [Safety manual for transporting building machinery and equipment on trailers] Pamiatka po tekhnike bezopasnosti pri perevozke stroitel'nykh mekhanizmov i oborudovaniia na traileraklı. Izd. 2., perer. i dop. Moskva, Gosstroiizdat, 1963. 31 p. (Tekhnika bezopasnosti v stroitel'stvo)

CONSTRUCTION INDUSTRY

(see also subdivision under Uzbekistan; White Russia)

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut ekonomiki stroitel'stva. [Recommendations for operational planning in construction organizations] Rekomendatsii po operativnomu planirovaniiu v stroitel'nykh organizatsiiakh. Moskva, Gosstroiizdat, 1963. 19 p.

Brief news. Stroitel' 9 no. 5:32 My '63.

Brief news. Transp. stroi. 13 no. 6:79-80 Je '63.

Draw up high-quality plans for 1964-1965 in time. Transp. stroi. 13 no. 6:1-3 Je '63.

Economic conference at a construction project. G. D. Khalov. Transp. stroi. 13 no. 6:79 Je '63.

Machines are our reliable helpers. A. A. Gutman. Transp. stroi. 13 no. 6:48 Je '63.

The overall mechanization of construction is one of the foundations of technological progress. Transp. stroi. 13 no. 7:1-3 Jl '63.

Questions and answers. Transp. stroi. 13 no. 6:77-78 Je '63.

They report to us. Stroitel' 9 no. 5:7 My '63.

We answer readers' letters. Stroitel' 9 no. 5:31 My '63.

CONSTRUCTION INDUSTRY—ACCOUNTING

(see also subdivision under Usman' District)

Regulate estimates. N. I. Murashkin. Transp. stroi. 13 no. 6:78 Je '63.

Unify and improve accounting in intercollective farm construction organization. L. M. Kramarovskii. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 9:14-18 S '63.

Ways of further improving business accounting dealing with a single building project. L. I. Al'shits. Transp. stroi. 13 no. 7:44-46 Jl '63.

CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION see subdivision under Moldavia

CONSTRUCTION INDUSTRY—COSTS

(see also subdivision under Lithuania)

Ways to reduce the cost of construction on state farms. V. Hodionova. Fin. SSSR 37 no. 6:41-47 Je '63.

CONSTRUCTION INDUSTRY—DICTIONARIES

Universal reference book for economists. V. Lelenko. Sots. trud 6 no. 6:156-160 Je '63.

CONSTRUCTION INDUSTRY—FINANCE

Give more attention to the problems of financing capital construction. V. Ushakov. Den. i kred. 21 no. 8:8-10 Ag '63.

Several factors in speeding up technological progress. I. Maevskii. Vop. ekon. no. 9:54-64 S '63.

CONSTRUCTION INDUSTRY—LABOR PRODUCTIVITY

(see also subdivision under Kharkov Province)

Computing the influence of individual factors on labor productivity in construction. V. Dolia. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 5:88-92 '63.

Increasing labor productivity in the construction industry. Z. Z. Dudich, IA. G. Rakov, I. T. Khachatriants. Sbor. nauch. trud. Mol. politekh. inst. no. 66:221-230 '57.

CONSTRUCTION INDUSTRY—MANAGEMENT see subdivision under Uzbekistan

CONSTRUCTION INDUSTRY—TABLES AND READY-RECKONERS

Mitin, S. A., M. I. Borodin, and N. A. Naumov. [Tables for determining wages in a construction brigade] Tablitsy dlia vnutribrigadnogo raschela zarabotnoi platy v stroitel'stve. Moskva, Gosstroiizdat, 1963. 530 p.

CONSTRUCTION INDUSTRY—TECHNOLOGICAL INNOVATIONS

Efficiency experts suggest. Transp. stroi. 13 no. 6:67-68 Je '63.

New developments in the construction industry. Inform. biul. VDNKh no. 7:37-38 Jl '62.

Technological progress in construction. S. Kantorer. Vop. ekon. no. 9:86-95 S '63.

CONSTRUCTION WORKERS see subdivision under Dnepropetrovsk; Kazakhstan

CONSTRUCTION WORKERS—EDUCATION AND TRAINING see subdivision under Ryazan; Tajikistan

CONSUMERS' GOODS see Russia—Manufactures

CONSUMPTION (ECONOMICS)

Influence of public consumption funds on the supply and demand of consumer goods. F. Gaichevskaia. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 5:27-31 '63.

Methods for determining qualitative changes in workers' consumption. N. Kirichenko. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 5:40-46 '63.

CONTACT LENSES

Correction of monocular aphakia with contact lenses [with summary in English]. E. M. Orlova, A. F. Shkatova. Uch. zap. GNII glaz. bol. no. 8:173-180 '63.

CONTAINERS—ABSTRACTS

[Container shipments and the interaction of various types of transportation] Ref. zhur.: Vzaimodeis. raz. vid. transp. i kont. perev. no. 9 O '63.

CONTINENTS

"Origin of continents and oceans" by D. G. Panov. Reviewed by G. U Lindberg. Izv. Vses. geog. ob-va 95 no. 4:381-383 Jl-Ag '63.

Tale about a real hero. T. Chekhovskaia. Vokrug sveta no. 1:64 Ja '63.

CONTINUOUS CASTING

Analysis of the technical and economic indices of the performance of continuous steel pouring installations. D. I. Popov, A. G. Zubarev. Stal' 23 no. 8:752-754 Ag '63.

Characteristics of continuous transformer steel ingots. G. M. Itskovich and others. Stal' 23 no. 7:643-646 Jl '63.

CONTRACTS, AGRICULTURAL

Role of regional agricultural administrations in the execution of the delivery of farm produce contracts. A. IA. Volkov. Sov. gos. i pravo 33 no. 9:87-90 S '63.

CONTRACTURE

Prophylaxis and treatment of contractures of the shoulder joint in an algetic syndrome by means of gymnastics. P. N. Gershkovich, A. D. Tregubovich. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:164-166 Mr-Ap '63.

CONTRAST MEDIA

Comparative evaluation of contrast substances for angiography [with summary in English]. L. S. Rozenshtraukh, M. L. Semenovskii. Vest. rent. i rad. 38 no. 2:9-13 Mr-Ap '63.

CONTROLLED FUSION

Bajbakanov, E. M. [Thermonuclear reactions] Termoiadernye reaktsii. Moskva, Voenizdat, 1963. 84 p. (Nauchno-populiarnaia biblioteka)

CONVERTERS

Investigating the nickel matte converter process with top blowing and a continuous overflow of slag. L. M. Shalygin, D. A. Diomidovskii. TSvet. met. 36 no. 8:20-30 Ag '63.

Model 250-ton oxygen converter. I. M. Birinberg, A. I. Pavlov, A. A. Perfimov. Stal' 23 no. 7:691 Jl '63.

CONVERTERS—COOLING

Investigating experimental contours with natural circulation of water in the chimney of an oxygen-blown converter. S. M. Andon'ev and others. Stal' 23 no. 7:664-667 Jl '63.

CONVEX SURFACES

Surfaces whose plane sections are composed of convex parts [with summary in English]. A. L. Verner. Vest. LGU 18 no. 13:121-125 '63.

CONVEYING MACHINERY

Conveying machinery in forge shops. IU. A. Zhuravlev. Kuz.-shtam. proizv. 5 no. 8:45-48 Ag '63.

Determination of the displacement resistance of free-flowing loads in scraper conveyors. A. S. Chernichkin. Mekh. i elek. sots. sel'khoz. 21 no. 4:47-49 '63.

Distribution of forces in the chains of two-chain scraper conveyors. V. K. Smirnov. Vop. rud. transp. no. 7:168-171 '63.

Efficient launder shape for a belt and an increase in the productivity of belt conveyors. V. A. Golutvin. Vop. rud. transp. no. 7:81-86 '63.

Error of conveyor scales without a speed transducer. V. I. Znukovitskii. Vop. rud. transp. no. 7:86-94 '63.

Mechanization of the conveying of tomato paste from the production shops to the warehouse of finished products. G. P. Makarov, P. A. Daen, V. V. Domkovich. Kons. i ov. prom. 18 no. 7:7-9 Jl '63.

Principles of the dynamic calculation of resonance conveyors and screens with nonlinear elastic connections. V. N. Poturaev. Vop. rud. transp. no. 7:104-140 '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. 3, Sec. G, ch. 10. 1. [Hoisting and transport equipment; regulations for manufacture and acceptance of assembly work] Pod"emno-transportnoe oborudovanie; pravila proizvodstva i priemki montazhnykh rabot (SNiP III-G. 10. 1-62). 1963. 30 p.

Scraper conveyor for bringing ore from stopes. F. M. Beskiepchenko. Sbor. nauch. trud. KORI no. 7:244-250 '58.

CONVEYING MACHINERY—ELASTIC PROPERTIES

Elastic properties of conveyor belts. I. V. Zapenin, O. G. Karbasov, G. I. Solod. Vop. rud. transp. no. 7:74-81 '63.

Velocities of the propagation of an elastic wave in conveyor belts. E. Kh. Zavgorodnii, N. IA. Bilichenko, E. M. Vysochin. Vop. rud. transp. no. 7:67-83 '63.

CONVEYING MACHINERY—ELECTRIC DRIVING

Stage drive for heavy-duty belt conveyors. B. A. Bakholdin, V. I. Leskevich. Vop. rud. transp. no. 7:94-104 '63.

CONVEYING MACHINERY—SAFETY APPLIANCES
Operation of safety turbocluteches in the braking process V K Smirnov. Vop rud. transp. no. 7:162-166 '63.

CONVEYING MACHINERY—TESTING
(see also subdivision under Krivoy Rog Basin)
Comprehensive experimental studies of the KRU-350, KRU-260, and KRU-260A mine conveyors, N. IA. Bilichenko and others. Vop. rud. transp. no. 7 17-45 '63.
Methodology used in tensiometric studies of belt conveyors. B. V. Faddeev, K. N. Mamaev, V. S. Volotkovskii. Vop. rud. transp no. 7 63-71 '63.

COOKERY
Cookery. Rab. i sial. 39 no. 6-23 Je '63.
Cookery. Rab. i sial. 39 no 8-23 Ag '63.

COOKERY (SCALLOPS)
Consultations. Ryb. khoz. 39 no. 8 85 '63

COOKERY, BULGARIAN
Advice on family affairs and in home economics Belarus' 20 no. 5-27 My '63.

COOKIES
Wafers enriched with dehydrated meat. V. V. Vinogradov and others. Khleb. i kond. prom. 7 no. 8:15-17 Ag '63.

COOKING SCHOOLS
Lipatova, N. I., and O. M. Stepanova. [Industrial training of cooks] Proizvodstvennoe obuchenie povarov, metodicheskoe posobie. Moskva, Profitekhizdat, 1963. 187 p.

COOLING TOWERS
Use of asbestos cement in the building of cooling towers for thermal electric power plants. A. IA. Reznik. Trudy NIIAsbestsementa no. 14:80-88 '62.

COOPERATIVE AGRICULTURE see Agriculture, Cooperative

COOPERATIVE EDUCATION see Education, Cooperative

COOPERATIVE SOCIETIES—AUDITING AND INSPECTION
Our "museum of evil spirits." Ukraina no. 15-14 Jl '63.

COORDINATES
Russia (1923- U. S. S. R.) Glavnoe upravlenie geodezii i kartografii. [Tables of Gauss-Kruger coordinates for latitudes from 32 to 80 at 5' intervals and for longitudes from 0 to 6 at 7 1/2' intervals and tables of the dimensions of the sides and areas of trapezoids of topographical surveys based on the Krasovskii ellipsoid] Tablitsy koordinat Gaussa-Kriugera dlia shirot ot 32 do 80 cherez 5' i dlia dolgot ot 0 do 6 cherez 7 1/2' i tablitsy razmerov ramok i ploshchadei trapetsii topograficheskikh s"emok; ellipsoid Krasovskogo. 3. izd., ispr. Moskva, Gosgeoltekhizdat, 1963, 512 p.

COOTS—PARASITES see Parasites—Coots

COPPER
Passivity of copper in concentrated solutions of alkali [with summary in English]. A. L. L'vov, N. V. Bystritskaia. Zhur. fiz. khim. 37 no. 8:1690-1707 Ag '63.

COPPER—ANALYSIS
Detection of cadmium ions in the presence of copper ions. V. M. Aksenenko. Izv. TPI 111 68-69 '61.
Determination of copper in ores (about 0.5% content) with a guaranteed accuracy to the second decimal place. V. B. Sokolovich, I. P. Onufrienok, B. N. Bespro-vannykh Izv. TPI 111 119-123 '61
Fractional copper detection reaction. N. A. Tananaev, T. G. Malkina. Ukr. khim. zhur. 29 no. 6:631-632 '63.

COPPER—ELECTROMETALLURGY
Electrochemical extraction of copper from slag with the fuming process equipment of the lead industry. A. N. Kviatkovskii and others. Trudy Alt. GMNII AN Kazakh. SSR 14:52-58 '63.

COPPER—METALLOGRAPHY
Microscopy of the slip band development in copper during fatigue tests. Part 1. N. E. Potakhin, IU. S. Terminasov Fiz. met. i metalloved. 16 no. 1 102-106 Jl '63

COPPER—METALLURGY
Behavior of impurities and hydrogen on the fire refining of copper. V. L. Ziazev, I. N. Tanutrov. TSvet. met. 36 no. 8:80-83 Ag '63.
Investigating the kinetics of the interaction of carbon with oxygen dissolved in copper and tin. P. M. Shurygin, V. I. Kriuk. Izv. vys. ucheb. zav.; tsvet. met. 6 no. 3:58-63 '63.
Vacuum treatment of blister copper. G. V. Klm and others. Trudy Alt. GMNII AN Kazakh. SSR 14:86-89 '63.

COPPER ACETATES
Adaptation of the causative agent of late potato blight to copper acetate. IU. T. Dilakov. Dokl. TSKHA no. 62: 471-475 '61.

COPPER-ALUMINUM ALLOYS—TESTING
Investigating temporary strength dependence of alloys of nickel and copper with aluminum L. M. Rybakova, L. I. Nikitina Fiz. met. i metalloved. 16 no. 1 107-112 Jl '63

COPPER ARSENIDES—THERMODYNAMIC PROPERTIES
Thermodynamic data on copper arsenide. N. I. Mikhailov, V. D. Ponomarev, Gen. N. Sosnovskii. Trudy Alt. GMNII AN Kazakh. SSR 14 60-65 '63.

COPPER CATALYSTS
Kinetics of the reduction of the thiocyanato complex of iron in the presence of copper ions. B. E. Reznik, N. A. Bedniak, M. V. Pchelkina. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:209-211 '63.

COPPER COMPOUNDS
Electron paramagnetic resonance method used in studying copper (II) bis-dimethylglyoximate. R. Kh. Timerov, IU. V. IAblokov, A. V. Ablov. Dokl. AN SSSR 152 no. 1:160-163 S '63.
Structural motifs of crystals of some thiocyanate compounds of bivalent nickel and copper M. A. Porai-Koshits Zhur. strukt. khim. 4 no. 4 584-591 Jl-Ag '63

COPPER-GOLD ALLOYS—METALLOGRAPHY
Investigating interdiffusion in the system Cu - Au. I. B. Borovskii, N. P. Il'in, L. E. Loseva. Trudy Inst. met. no. 15:32-40 '63.

COPPER INDUSTRY see subdivision under Almalyk

COPPER-LEAD-BERYLLIUM ALLOYS
Eutectoid transformation in copper - lead and copper - beryllium alloys M. I. Zakharova, I. B. Mogarychova Kristallografiia 8 no. 4 601-609 Jl-Ag '63

COPPER ORES
Determination of copper in ores (about 0.5% content) with a guaranteed accuracy to the second decimal place V. B. Sokolovich, I. P. Onufrienok, B. N. Bespro-vannykh Izv. TPI 111 119-123 '61
Naphtazolethiones as potential collectors for oxide and sulfide lead and copper minerals. G. N. Tiurenkova, I. A. Kakovskii. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3:47-50 '63.

COPPER OXIDE CRYSTALS
Thermal etching of copper oxide single crystals under vacuum. A. I. Andrievskii, G. F. Mocharniuk, M. M. Pidorin. Fiz. tver. tela 5 no. 7:2007-2009 Jl '63.

COPPER OXIDES
Ammonia method of brass oxide coating. K. M. Fillmonovich. Ukr. khim. zhur. 29 no. 6:636-642 '63.
Interaction of copper hydroxide and copper oxide with monoethanolamine, diethanolamine, and triethanolamine. M. V. Artemenko. Ukr. khim. zhur. 29 no. 6:571-576 '63.

COPPER OXIDES—ELECTRIC PROPERTIES
Effect of molecule adsorption on the luminescence, electric conductivity, and luminescence field effect in Cu_2O. G. P. Peka. Fiz. tver. tela 5 no. 7:2017-2019 Jl '63.

COPPER-PALLADIUM ALLOYS—METALLOGRAPHY
Structural forms of copper-palladium solid solutions close to the Cu_3Pd composition A. A. Presniakov, L. I. Dautova, E. A. Dzhanbusinov Fiz. met. i metalloved. 16 no. 1 61-64 Jl '63

COPPER PLATING
Copper plating from pyrophosphate electrolytes. V. I. Lainer, V. A. Bardina. Izv. vys. ucheb. zav.; tsvet. met. 6 no. 3:144-150 '63.
Determination of selenium and tellurium in slimes of copper electrolysis I. P. Onufrienok, V. M. Aksenenko. Izv. TPI 111 65-67 '61.

COPPER-SILICON ALLOYS see Silicon-Copper alloys

COPPER SULFATE
Copper sulfate in controlling mildew. I. N. Bluvshtein. Zashch. rast. ot vred. i bol. 8 no. 5:40-41 My '63.

COPYRIGHT
More about the article "Work of defense lawyers in the protection of copyright." Sov. iust. no. 14:20 Jl '63.
Who was the author of this famous song? IA. Mikolenko. Sots. zakon 40 no. 6:72-77 Je '63.

COR PULMONALE
Causes of death in fibrous-cavernous pulmonary tuberculosis and the thanatological nature of cardiopulmonary insufficiency in this form of disease [with summary in French]. L. IA. Lozinskii. Probl. tub. 41 no. 3:64-70 '63.
Excretion of 17-ketosteroids in pulmonary cardiac insufficiency [with summary in English], A. I. Lovin, A. A. Koval'chuk. Vrach. delo no. 8:33-36 Ag '63.
Treatment of cardiopulmonary insufficiency [with summary in English]. László Mihóci, Géza Nyíredi. Probl. tub. no. 6:63-65 '62.

CORDAITACEAE see subdivision under Taymyr Peninsula

CORES (ELECTRICITY)
Ferrites in radio electronics G. Matveev, V. Khomich Radio no. 8:42-45 Ag '63.
Ioffe, A. F., and E. N. Fillnov. [Measurement of the parameters of ferrite cores having rectangular hysteresis loops] Izmerenie parametrov ferritovykh serdechnikov s priamougol'noi petlei gisterezisa. Moskva, Gosenergoizdat, 1963, 134 p.
Reference sheet. Radio no. 8 56-57 Ag '63.

CORN (MAIZE)
(see also subdivision under Alma-Ata Province; Bukovina; Dnepropetrovsk Province; Kazakhstan, Lenkoran District; Moldavia; Ryazan, Tambov Province; Ukraine)
Biochemical analysis of sweet corn. F. F. Paramonov, N. V. Govorov. Kons. i ov. prom. 18 no. 7:27-29 Jl '63.
Calculating the moisture supply of corn fields in various climatic zones of the U. S. S. R. IU. I. Chirkov, G. V. Belukhina. Trudy TSIP no. 131:3-12 '63.
Carotinoid content in the kernels of yellow hybrid corn depending on the variety, fertilizers and the region of growth. T. N. Sagutonova. Nauch. dokl. vys. shkoly, biol. nauki no. 3:115-119 '63.
Changing some characteristics of corn by controlling the effect of light. M. K. Selavi. Dokl. TSKHA no. 62:143-151 '61.
Chemical weed control for corn fields. M. I. Terent'eva. Zashch. rast. ot vred. i bol. 8 no. 5:32-33 My '63.
Cultivation of the inter-row spacing of corn using the high-speed KRN-4.2 cultivator. L. P. Dolgii. Nauch. trudy UNIIMESKH 4.7-10 '62.
Cytochemical study of corn pollen and pollen tubes. V. M. Pylnev, P. Diakonu. Dokl. TSKHA no. 62.163-170 '61.
Development of branched ears in corn A. G. Ilianov Nauch. dokl. vys. shkoly; biol. nauki no. 3:175-177 '63.
Displacement of corn cobs along the cleaning rolls. A. L. Grin'. Nauch. trudy UNIIMESKH 4:11-11 '62.
Distinguished ancestry of our "queen." I. D. Ukraina no. 15, 16 Jl '63.
Effect of continuous below-freezing temperatures on the germinating and biochemical properties of corn seeds. IU. S. Rall'. Dokl. TSKHA no. 62:191-196 '61.
Effect of the derivatives of benzimidazole and succinic acid on the growth and yield of corn [with summaries in English, German, and French]. N. A. Drozdov, V. S. Pavlov. Vest. sel'khoz. nauki 8 no. 4.44-47 Ap '63.
Effectiveness of herbicides in monoculture of corn. S. I. IAkubisov. Zemledelie 25 no. 9 71-73 S '63.
Evaporation and temperature conditions of the air in corn fields. G. V. Belukhina. Trudy TSIP no. 131:30-41 '63.
Some notes on the project of a continuous corn receiving and processing line. I. Boiko. Muk.-elev. prom. 29 no. 3 19 Mr '63
Weed coverers in corn fields. L. Dolgii. Tekh. v sel'khoz. 23 no. 6 14-15 My '63.

CORN (MAIZE)—DISEASE AND PEST RESISTANCE
About I. D. Shapiro's book. I. F. Pavlov. Zashch. rast. ot vred. i bol. 8 no. 7:62 Jl '63.

CORN (MAIZE)—DISEASES AND PESTS
Effect of variable temperature on the causative agents of penicilliosis in corn seeds [with summary in English]. F. IE. Nemlikenko, T. L. Kuchura, Mikrobiol. zhur. 25 no. 4:18-22 '63.
Materials on the study of causes of the negative effect of low temperatures above freezing point on the germination of corn seeds and the protective reaction of sprouts to the loss of the leaf surface. K. I. Popov. Trudy Kaz. SKHI no. 43:45-50 '61
Protecting corn fields. I. M. Bolhaev. Zashch. rast. ot vred. i bol. 8 no. 5:31-32 My '63.

CORN (MAIZE)—FERTILIZERS AND MANURES
(see also subdivision under Aznakayevo District; Tatar A.S.S.R.)
Effect of the conditions of nutrition on the yield and nitrogen content of corn and forage beans in mixed plantations [with summary in English]. I. V. Gulliakin, M. M. Gukova, R. I. Bogomolova. Izv. TSKHA no. 3:7-18 '63.

CORN (MAIZE)—HARVESTING see subdivision under Uzbekistan

CORN (MAIZE)—IRRIGATION see subdivision under Alma-Ata Province; Kazakhstan

CORN (MAIZE)—VARIETIES
Varietal differences in the development of the root system of corn. N. N. Trot'inkov, V. I. Galitskii. Agrobiologiia no. 4:598-604 Jl-Ag '63.

CORN BREEDING
Breeding work with sweet corn. N. N. Tkachenko. Kons. i ov. prom. 18 no. 7:25-27 Jl '63.
Pollination selectivity in corn. I. M. Molchan. Agrobiologiia no. 4:497-501 Jl-Ag '63.

CORONA (ELECTRICITY)

Critical gradient of a c corona V I [illegible] Elektrichestvo no 7 16-21 '63

Initial corona potentials on electric lines A B Bogdanova Elektrotekhnika no 7 [illegible] '63

Voltampere characteristics of unipolar corona for an electric precipitation system V I [illegible] Elektrichestvo no 7 22-30 '63

CORONARY HEART DISEASE see subdivision under Sverdlovsk

CORONARY VESSELS

Effect of pharmacological substances on the nervous regulation of the tonus of coronary vessels [with summary in English] N V Kaverina Uch zap inst farm i khimiotek AMN SSSR 4 234-240 '63

More on the pharmacodynamics of nitroglycerin [with summary in English]. V.N Dzirk. Vrach delo no. 6: 23-28 Je '63.

CORPORATION LAW see subdivision under United States

CORPORATIONS see subdivision under United States

CORRELATION (STATISTICS)

Method of "symbol" correlograms for analyzing the nature of the nonuniformity of the products of spinning S. Ya Klyukhin Izv vys uchcb. zav , tekh tekst prom no. 3 34-40 '63

CORRESPONDENCE SCHOOLS AND COURSES
(see also subdivision under Chuvashia, Krasnodar Territory; Leningrad; Osh Province)

Correspondence section in Adamovka village V.D. Chernov Vech sred shkola 6 no. 3 39-42 My-Je '63

Data on the graduation of correspondence students from the technical school. G.I Pyrkin Geod.i kart no. 8 59-62 Ag '63.

Work of an inspector methodist of correspondence schools M IA. Vorokhovskii. Vech. sred shkola 6 no 3 35-39 My-Je '63.

CORRESPONDENCE SCHOOLS AND COURSES—CONGRESSES

Heads of correspondence schools exchange experience. Vech sred. shkola 6 no.3 93-95 My-Je '63

CORROSION AND ANTICORROSIVES

Corrosion control of coke quenching cars. N.G. Chen. Koks i khim. no.10,31-33 '62.

Electronographic examination of films formed on lead by anticorrosive additives V S Demchenko, V. N Shchemelev Khim i tekh topl i masel 8 no 8 64-69 Ag '63

CORROSION-RESISTANT MATERIALS—TESTING

Testing corrosion-resistant materials during the production of chlorine dioxide. I I. Bloshtein and others. Trudy LTISBP no.8 89-95 '61.

CORTICOSTEROIDS see Adrenocortical hormones, Steroids

CORTISOL

Use of hydrocortisone ointment in some dermatoses of the external ear V B Bloxide Vest.otorin. no 1 40-42 '63

CORTISONE

Change in the fractional composition of blood proteins in animals with Guerin's carcinoma during the administration of cortisone [with summary in English] E P Sidorik T N IUrkovskaia Vop onk 9 no 2 88-92 '63

Effect of cortisone on the course of experimental tuberculous meningitis in puppies [with summary in French]. V.I. Ermolov, A. A Batyreva, K. L Volchenko Probl. tub, no 6,85-88 '62

Treatment of ischias by the method of lumboperidural infiltration of cortisone. M.B. Sinegubko Sov. med. 27 no.7 139-141 Jl '63.

CORUNDUM

Experience in the use of electric arc furnaces in smelting white synthetic corundum G K Tsvetaeva Prom energ. 18 no 7 10-13 Jl '63

Spin-lattice relaxation of a Ti^{3+} ion in corundum. N.E. Kask and others. Fiz.tver.tela 5 no. 8:2306-2309 Ag '63.

COSCINODISCACEAE, FOSSIL see subdivision under West Siberian Plain

COSMIC DUST

Cosmic dust and the present state of the study of the Tunguska meteorite [with summary in English]. K. P Florenskii. Geokhimiia no. 3 284-296 Mi '63.

COSMIC RAYS

Akademiia nauk SSSR [illegible] 10
provedeniia
VII razdel
[Articles]
in English]
No. 3. 1961 220 p.
No. 5. 1963. 225 p

Gamma ray- and magnetic bremsstrahlung X-rays of galactic and metagalactic origin [with summary in English] V.L. Ginzburg, S I Syrovatskii Zhur eksp i teor fiz 45 no 2:353-365 Ag '63

Search for antimatter in cosmic rays N I Grigorov and others Zhur eksp i teor fiz 45 no 2 391 Ag '63

COSMOGONY

"Origin of continents and oceans" by D. G. Panov. Reviewed by G U Lindberg Izv. Vses. geog. ob-va 95 no. 4 384-386 Jl-Ag '63.

Soveshchanie Komissii po Kosmogonii Astronomicheskogo soveta Akademii nauk SSSR Moscow, 1962. [Origin of life in the universe] Vozniknovenie zhizni vo Vselennoi, sbornik dokladov. Moskva, 1963. 95 p

COSMOLOGY

A. A Friidman's theory of the expanding universe. IA B. Zel'dovich, Usp. fiz. nauk 80 no. 3 357-390 Jl '63.

Astronomical picture of the world, V. F Ogorodnikov Priroda 52 no. 8 118-119 Ag '63

The curvature of space. A. A Friidman. Usp. fiz. nauk 80 no. 3 439-446 Jl '63.

Gamma-ray absorption in intergalactic space [with summary in English] P. Goldreikh, F Morrison Zhur eksp i teor fiz. 45 no 2:344-345 Ag '63

Generalization of Friedmann's models of the universe. K P Stanukovich. Dokl. AN SSSR 151 no. 3 546-549 Jl '63.

Possibility of a universe with a constant negative curvature of space. A. A. Fridman. Usp. fiz. nauk 80 no. 3 447-452 Jl '63.

Problems in relativistic cosmology. E. M. Lifshits, I. M Khalatnikov. Usp. fiz. nauk 80 no. 3 391-418 Jl '63.

COST ACCOUNTING

Accounting for norm changes. N. Baranov Bukhg. uchet 29 no 8:63-65 Ag '63.

Improve the standard method of accounting for production costs. N. Chuiko. Bukhg. uchet 29 no. 8,1-8 Ag '63.

COST AND STANDARD OF LIVING see subdivision under Uzbekistan

COST AND STANDARD OF LIVING—STATISTICS see subdivision under New York (City)

COSTS (LAW)

Decision No. 4 of the plenary session of the Supreme Court of the U S S. R. of March 18, 1963 on the "Elimination of shortcomings in the collection of court fees for the trial of civil and criminal cases." Biul. Verkh. Suda no. 3 14-16 '63.

COSTS, INDUSTRIAL

Method for distributing overhead costs. V. Adamov Bukhg. uchet 29 no. 8 14-19 Ag '63.

Methodological problems in compiling the index of standard manufacturing costs. V Veselov, IU. Sytnikov, K. Kolesova. Plan. khoz. 40 no. 9 16-23 S '63.

COSTUME DESIGN

Fashion design in factories. T. I. Smirnova. Shvein. prom. no. 4 22-24 Jl-Ag '63.

COTTON
(see also subdivision under Uzbekistan)

Basic concepts in the classification of cotton. F M Mauer Trudy inst sel'khoz AN Uz SSR no. 1 45-78 '53

Changes in the quality of raw cotton and fiber with the age of cotton bolls M K Aleksandrov. Trudy Inst sel'khoz AN Uz SSR no. 1 116-127 '53

Surface acetylated cotton. Report No I. V. A. Landysheva and others. Izv. vys. ucheb. zav , tekh. tekst. prom no. 3 50-56 '63

COTTON—DISEASE AND PEST RESISTANCE

Aftereffect of the irradiation of cotton seeds with relatively small doses of gamma rays, N. N Nazirov, Agrobiologiia no. 4 541-547 Jl-Ag '63.

COTTON—DISEASES AND PESTS see subdivision under Kara-Kalpak A.S.S.R.

COTTON—DRYING

Drying of dyed cotton in a perforated drum dryer. V. M. Korolev, N. M. Ragozina, Izv. vys ucheb. zav., tekh. tekst. prom. no. 2:125-129 '63.

COTTON—FERTILIZERS AND MANURES

Photosynthesis and fruiting of the cotton plant as related to fertilizers [with summary in English] A R. Egamberdiev. Trudy Otd fiziol i biofiz rast. AN Tadzh. SSR no. 3:48-52 '63

Physiology of mineral nutrition in the cotton plant [with summary in English]. T N. Babaeva. Trudy Otd. fiziol i biofiz. rast. AN Tadzh. SSR no. 3:41-47 '63.

COTTON—IRRIGATION see subdivision under Amu Darya Valley; Bayramali District

COTTON—PRICES see subdivision under Azerbaijan

COTTON—TESTING

Effect of cotton fiber compression in the mass on its characteristics in technological processes. P. D. Ivanov. Izv. vys. ucheb. zav , tekh. tekst. prom. no. 4:14-18 '63.

COTTON—VARIETIES

Borisov, G. N. [Cotton varieties] Sorta khlopchatnika. Moskva, Izd-vo sel'khoz lit-ry, zhurnalov i plakatov, 1962. 174 p
(DNAL)

COTTON—WATER REQUIREMENTS see subdivision under Soviet Central Asia

COTTON BREEDING
(see also subdivision under Azerbaijan)

Characteristics of the germination of foreign pollen and the growth of pollen tubes in cotton pistils. G. V. Ivanova. Agrobiologiia no. 1 511-513 Jl-Ag '63.

COTTON GROWING see subdivision under Izbaskentskiy District, Kara-Kalpka A.S.S.R., Khorezm Province, Shurchi District; Turkmenistan, Uzbekistan

COTTON GROWING—FINANCE see subdivision under Uzbekistan

COTTON HANDLING

Effect of cotton fiber compression in the mass on its characteristics in technological processes. P. D. Ivanov. Izv. vys. ucheb. zav , tekh. tekst. prom. no. 4:14-18 '63.

COTTON MACHINERY

Zhokhovskii, V. V., and Sh. R. Maraguloy. [Assembly and installation of machinery in cotton spinning factories] Montazh mashin khlopkoprядil'nogo proizvodstva. Moskva, Gizlegprom, 1963. 239 p.

COTTON MANUFACTURE

Classification of workers in cotton factories. A. B. Vartanian. Izv vys ucheb zav , tekh. tekst prom. no. 1 11-14 '63.

COTTON MANUFACTURE—FIRES AND FIRE PREVENTION

Fire prevention and technical commissions at work. N. Drozdov. Pozh delo 9 no.8:5-6 Ag '63.

COTTON-PICKING MACHINERY see subdivision under Uzbekistan

COTTON SPINNING

Budnikov, V. I., A. P. Rakov, and A. V. Tertyshnov, eds. [Cotton spinning] Prilidenie khlopka. [By] P. D. Ivanov i dr. Moskva, Rostekhizdat.
Pt. 1. 1962 433 p.

COTTONSEED

Merkin, I. B., N. D. Solov'ev, and I. I. Khokhlov. [Lintless of cottonseeds] Lintsevanie khlopkovykh semian. Moskva, Gizlegprom, 1963. 268 p.

COTTONSEED OIL

Influence of certain factors on the oleoglucineness and fatty acid content of cottonseeds. N. I. Ishakov and others Uzb. khim. zhur. 7 no 1 52-56 '63.

COUMARIN

Effect of synthetic derivatives of esculetin with vitamin P activity on vascular permeability and strength [with summary in English]. I. S. Rudakova Uch. zap inst farm. i khimiotek. AMN SSSR 9:316-345 '63

Thin layer chromatography of natural coumarins and furanocoumarins. N. S. Vul'fson, V. I. Zaitsikii, L. S. Chetverikova. Izv. AN SSSR. Ser. khim. no. 8:1503-1505 Ag '63.

COUMARONE-INDENE RESINS

Use of the phenol complex of boron fluoride for the production of coumaron-indene resins. L. I. Kuzinskii, Z. A Buchkina. Koks i khim. no 9,47-51 '63

COUNCIL FOR MUTUAL ECONOMIC ASSISTANCE see Mutual Economic Assistance Council

COURAGE

Three seconds for thinking it over. L. Cherepanov. Mol komm. no. 7:67-78 Jl '63.

COURTS
(see also subdivision under Czechoslovakia; Estonia)

Crime prevention and the office management of Soviet people's courts. N. Prusakov. Sov. iust. no. 14:4-5 Jl '63.

"Organization of Soviet courts and the offices of public prosecution" by A. L. Rivlin, T. N. Dobrovol'skaia and others. Izv. vys. ucheb. zav., prav. 7 no. 2:179-182 '63.

Reliable support of Soviet courts. I. Kuznetsov. Sov. iust. no. 9-21 My '63.

COWS

Andriiash, L. T. [Cesarean section of cows] Kesarevo sechenie u korov. Moskva, Gos. izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1961. 103 p.
(DNAL)

COWS—FEEDING AND FEEDS see subdivision under Kazakhstan

CRACKING PROCESS

Catalytic cleavage of organic oxides. N. I Shuikin, V. V. An Izv. AN SSSR. Ser. khim. no. 8:1478-1483 Ag '63.

CRANBERRIES see subdivision under White Russia

CRANES, DERRICKS, ETC.

KRS-3 self-propelled mine crane L IA Pil'kevich. Gor. zhur no 8 15-16 Ag '63

Our work practice with the PVK-70 crane D V Gusak. Transp. stroi 13 no. 8, 46-47 Ja '63.

CRANES, DERRICKS, ETC.—MAINTENANCE AND REPAIR

Cracks in the runway girders of coal reloading machines. N D Shumov. Koks i khim no 9 56-59 '63

CRANES, DERRICKS, ETC.—TECHNOLOGICAL INNOVATIONS

Modernization of the SBK-1 tower cranes. V. I. Polikhov, A. I. Al'perovich. Bezop. truda v prom. 7 no. 7:26-29 Jl '63

CRANKS AND CRANKSHAFTS

High-strength cast iron crankshafts for forging machines and power presses A F Astashov [Nauch trudy] ENIKMASha 6 168-186 '63

CRAWLER TRACTORS

The T-74 tractor. D. Belous, P. Ladan. Tekh. v sel'khoz 23 no. 5 41-44 My '63.

CREATIVE ACTIVITIES AND SEAT WORK

Little craftsmen. II. Shakh. Doshk. vykh. 24 no. 7 25-26 Jl '63.

Useful and interesting activities N. Litvinova Semia i shkola 18 no 6 41-45 Je '63

CREDIT see subdivision under White Russia

CREEP OF COPPER

Experimental studies of materials and models of structures. Equation of state for the creep of cold-worked copper. IU. P. Kaptelin. Sbor. trud LIIZHT no. 192, 5-47 '62.

CREEP OF MATERIALS

Creep of NaCl and KCl single crystals in the region of premelting temperatures and small specific loads. IA. E. Geguzin, V. L. Ralsets, A. A. Chernyshov. Fiz. tver. tela 5 no. 7:1900-1907 Jl '63.

Variational methods in the theory of creep. G. V. Ivanov. Prikl. mat. i mekh. 27 no 4 750-752 Jl-Ag '63.

CREEP OF MATERIALS—TESTING

IP-2 machine intended for creep tests used in relaxation tests. IU. P. Kaptelin. Sbor. trud. LIIZHT no. 192:49-61 '62.

CREEP OF METALS

Apparatus for studying the creep of metals at low temperatures. L. A Gindin and others Prib i tekh eksp. 8 no 3:169-171 My-Je '63.

CRESOLS

Alkylation of phenols by bifunctional compounds. Report No 8 Catalytic alkylation of m- and p-cresols by 1, 3-propanediols. E. A. Viktorova, N. I. Shuikin, S. E. Popova. Izv. AN SSSR. Ser. khim. no. 7:1277-1280 Jl '63

CRIME AND CRIMINALS

(see also subdivision under Germany, East; Philippines; United States; Washington, D.C.)

Criminal liability for the violation of safety measures in the construction of buildings. N. Kuznetsova. Sov. iust. no. 9:18-20 My '63.

Decision No. 7 of the plenary session of the Supreme Court of the U. S. S. R. of July 3, 1963 "Judicial practice in the implementation of laws on responsibility for offenses against the life, health, and good name of regular and voluntary policemen." Biul. Verkh. Suda no 4:12-17 '63.

Decision No. 12 of the plenary session of the Supreme Court of the U. S. S. R. of July 3, 1963 "Determination of the unlawful use of radiotransmitting devices with an intent to perpetrate a criminal offense." Biul. Verkh. Suda no. 4:26 '63.

For the proper maintenance and protection of agricultural machinery. T. Sergeeva. Sov. iust. no. 14:13-14 Jl '63.

In the "free world." R. Utkin. Sov. iust. no. 9:25 My '63.

Mendel'son, G. A. [Releasing on probation persons whose criminal offenses do not constitute a major public danger] Peredacha na poruki lits, sovershivshikh prestuplenila, ne predstavliaiushchie bol'shoi obshchestvennoi opasnosti. [Moskva] Izd-vo Mosk. univ. 1963. 86 p.

Pistol No. 2100 (to be concluded) Stella Trofimova. Sots. zakon. 40 no. 7:60-66 Jl '63.

Plenary session of the Central Committee of the CPSU in June 1963 and some problems of the scientific methods of crime prevention. V. N. Kudriavtsev. Sov. gos. i pravo 33 no. 9:15-23 S '63.

Problems of a strict enforcement of Soviet laws against social parasites and their condemnation by the Soviet public. A. S. Shlapochnikov. Sov. gos. i pravo 33 no. 9:42-49 S '63.

"Responsibility for not helping someone in danger according to Soviet criminal law" by I. I. Goncilik, V. I. Pinchuk. Izv. vys. ucheb. zav., prav. 7 no. 2:171-175 '63.

Rulings of the Judicial Collegium for Criminal Cases of the Supreme Court of the U. S. S. R. Biul. Verkh. Suda no. 3:31-35 '63

Soviet criminology. V. A. Sergievskii. Izv. vys. ucheb. zav. prav. 7 no. 2:91-101 '63.

Viktorov, B. A. [Objectives and motives in serious crimes] TSeli i motivy tiazhkikh prestuplenilakh Moskva, Gosiurizdat, 1963 80 p

We shouldn't abate our struggle against the antisocial and parasitic members of our society. G. Anashkin, V. Kolchin Sots. zakon 10 no 7 15-20 Jl '63

Weapons and means of the commission of crimes V. Audrcev, A Svetlov, B Rozovskii. Sots zakon. 10 no 7 32-33 Jl '63.

CRIME AND CRIMINALS—IDENTIFICATION

Samoshina, Z. G. [Identification of criminals by some traits of their external appearance] Kriminalisticheskoe otozhdestvlenie cheloveka po priznakam vneshnosti, lektsiia dlia studentov iuridicheskikh vuzov. [Moskva] Izd-vo Mosk. univ 1963. 37 p.

CRIME PREVENTION

(see also subdivision under Ivanovo Province; Perm Province)

Crime prevention and the office management of Soviet people's courts. N. Prusakov. Sov. iust. no. 11:1-6 Jl '63.

Crime prevention is the principal objective of criminal investigators I Novokshonov Sots zakon 40 no. 6:53-54 Je '63.

Criminal expertise and the objectives of crime prevention V Eslukov, R Lantsman. Sots zakon. 40 no. 6:40-42 Je '63

How district public prosecutors study and try to prevent criminal offenses. L. N. Ivanov. Vop. krim. no. 6/7:118-127 '62.

Plenary session of the Central Committee of the CPSU in June 1963 and some problems of the scientific methods of crime prevention. V. N. Kudriavtsev. Sov. gos. i pravo 33 no. 9:15-23 S '63.

Solution of some problems of crime prevention during the preferment of charges. V. I Shind. Vop. krim. no. 6/7:128-142 '62.

CRIMEA—BROILERS (POULTRY)

Broiler plant. V. P. Marchyk, L. M. Biolov. Visnyk sil'hosp. nauky 6 no. 8:93-98 Ag '63.

CRIMEA—CLIMATE

"The climate of the Crimea" by I. I. Babkov. Reviewed by V. V. Badina. Izv. Vses. geog. ob-va 95 no. 4:380 Jl-Ag '63.

CRIMEA—EDUCATION

First results of the work of the province public education department. O. S. Kosiuk. Rad. shk. 42 no. 8, 93-97 Ag '63.

CRIMEA—GUIDEBOOKS

Khokhriakov, IU. A. [The southern shore of the Crimea] IUzhnyi bereg Kryma. Izd 2 Simferopol' Krymizdat, 1963. 162 p

Olinskii, M. IA., and V. I. Shlapochnikov. [The Crimea; guidebook and directory] Krym; putevoditel-spravochnik Izd. 5 Simferopol', Krymizdat, 1963. 202 p.

Shantyr', S. P. [Miskhor, Koreiz, and Gaspra; a guidebook] Miskhor, Koreiz, Gaspra, ocherk putevoditel'. Simferopol', Krymizdat, 1960 102 p. (NNC)

CRIMEA—INSECTS, INJURIOUS AND BENEFICIAL—CONTROL

Use of aerosols in controlling ectoparasites of farm animals. D. K. Nechisennyi, P. N. Li, M. V. Kartashev. Trudy VNIIVS 14:6-8 '59.

CRIMEA—POULTRY PLANTS

Broiler plant. V. P. Marchyk, L. M. Biolov. Visnyk sil'hosp. nauky 6 no. 8:93-98 Ag '63.

CRIMEA—REVOLUTION, 1917-1921

New book on the Bolshevik underground in the Crimea. M. A. Moskalev, M. A. Kubantseva Vop. ist. KPSS 7 no. 8, 132-134 Ag '63.

CRIMEA—SOILS

Regional characteristics of the soil cover in the Crimean steppe. G. G. Eremin. Nauch. dokl. vys. shkoly; biol. nauki no. 3:211-217 '63.

CRIMEA—TROUT

Introduction of the Lake Sevan trout (Salmo lschchan Kessler) into Crimean water reservoirs. G. B. Mel'nikov, A. M. Chaplina. Nauch. dokl. vys. shkoly; biol. nauki no. 3:28-30 '63.

CRIMEA—VOLCANOES

"Through the volcanic regions of the Crimea" by V. Lebedinskii. Reviewed by V. Afanas'ev. Izv. Vses. geog. ob-va 95 no. 4:388-389 Jl-Ag '63.

CRIMEA—WORLD WAR, 1939-1945

[Crimea in the Great Patriotic War of the Soviet Union, 1941-1945] Krym v Velikoi Otechestvennoi voine Sovetskogo Soiuza 1941-1945 gg. Simferopol', Krymizdat, 1963. 340 p.

CRIMEAN MOUNTAINS—MERCURY

Geochemistry of mercury in the Crimean Mountains [with summary in English]. G. A. Bulkin Geokhimiia no 12: 1079-1088 '62

CRIMEAN MOUNTAINS—RIVERS

River robbery in the Crimean Mountains. N. I Lysenko. Izv. Vses. geog. ob-va 95 no. 4 361-367 Jl-Ag '63.

CRIMINAL EVIDENCE see Evidence, Criminal

CRIMINAL INVESTIGATION

(see also subdivision under Kursk Province; Perm Province; Vologda Province; Yakutia)

Basic methodological principles of the investigation of the different classes of criminal offenses. E. D. Kuranova. Vop. krim. no. 6/7:152-167 '62.

Brief news on the methods of criminal investigation in foreign countries. Vop. krim. no. 6/7:244-240 '62.

"Completion of pretrial investigation" by N. A. IAkubovich I. Arzumanian, G. Changuli. Sots. zakon 40 no 7 92-94 Jl '63

Concept of "version" in the theory of criminal investigation. G. V. Arkhipovskii. Vop. krim. no. 6/7 15-21 '62.

Discovering the traces of metallization on the objects of real evidence. V. S. Sorokin. Vop. krim. no. 6/7. 223-229 '62.

History of Russian prerevolutionary works on the theory of criminal investigation. V. I. Popov. Vop. krim. no. 6/7 257-272 '62.

Important objectives of the theory of Soviet legal procedure and criminal investigation. Vop. krim. no. 6/7: 285-289 '62.

An ordinary day. P Turchin Sots zakon. 40 no. 7:54-55 Jl '63

Organizing the cooperation of criminal investigators and police officers in the investigation of criminal offenses. G. Kravets, M Ioffe, A Gerasun. Sots zakon. 40 no 6,51-53 '63.

Participation of injured persons in the investigation of criminal offenses. V. P. Bozh'ev. Vop. krim. no. 6/7. 55-67 '62.

Present-day methods and practices of criminal investigation and prospects for their development (conclusion). N. A. Selivanov. Vop. krim. no. 6/7:189-222 '62.

Principal characteristics of an unprejudiced, detailed, and thorough pretrial investigation of a crime. M. S. Brainin. Vop. krim. no. 6/7:80-97 '62.

Procedural status of the accused during the pretrial investigation. V. M. Savitskii. Vop. krim. no. 6/7:261-284 '62.

Some problems in the technical examination of the causes of fires. S. P. Mitrichev. Vop. krim. no. 6/7 168-177 '62.

We disagree with the suggested methods of the examination of the place of crime. V. P. Kolmakov. Vop. krim. no. 6/7. 277-280 '62.

When fingerprints start talking E. Zventskii. Tekh. mol. 31 no. 9:35 '63.

CRIMINAL JUSTICE, ADMINISTRATION OF

(see also subdivision under Chile)

Decision No. 2 of the plenary session of the Supreme Court of the U. S. S. R. of March 16, 1963 on the "Strict observance of laws in the trial of criminal cases." Biul. Verkh. Suda no. 3:3-9 '63.

Decision No. 3 of the plenary session of the Supreme Court of the U. S. S. R. of March 16, 1963 on "How soviet courts have carried out the decision of the plenary session of the Supreme Court of the U. S. S. R. of September 12, 1961 on 'Judicial practice in the implementation of laws on the intensified struggle against the persons who shun socially useful work and live the antisocial life of parasites.'" Biul. Verkh. Suda no. 3:10-13 '63.

Decisions of the plenary session of the Supreme Court of the U. S. S. R. Sov. iust. no. 9:26-28 My '63.

Let us teach our public prosecutors and criminal investigators to carry out the increased requirements of the Communist Party. A. Pankratov. Sots zakon. 40 no. 6:3-11 Je '63.

Letters to the editor. Sots. zakon 40 no 7:46-47 Jl '63.

CRIMINAL LAW

New study of criminal law. A. Gertsenzon Sots zakon. 40 no. 7:60-91 Jl '63.

Publication of the official text of the criminal code of the R. S. F. S. R. N. Zagorodnikov. Sov. iust. no. 12: 26-27 Je '63.

CRIMINAL LAW—BIBLIOGRAPHY see Bibliography—Criminal law

CRIMINAL OMISSION see Omission, Criminal

CRIMINAL PROCEDURE
(see also subdivision under Georgia, Uzbekistan)

Boldyrev, V.A., ed [Theoretical and practical commentaries to the criminal procedure code of the R S F S R] Nauchno-prakticheskii kommentarii k ugolovno-protsessual'nomu kodeksu RSFSR [By] G.N Aleksandrov i dr Moskva, Gosiurizdat, 1963 796 p

Examination of real evidence and the place of crime in the course of a trial. M Vydria. Sov. iust. no. 14 9-10 Jl '63.

Important objectives of the theory of Soviet legal procedure and criminal investigation. Vop. krim no. 6, 7 285-289 '62

Kalashnikova, N.IA. [Basic features of judicial examination in Soviet criminal procedure] Obshchie osloviia sudebnogo razbiratel'stva v sovetskom ugolovnom protsesse, uchebnoe posobie dlia studentov vechernego otdeleniia. Moskva, Mosk gos. univ., 1963 98 p.

Kalashnikova, N.IA. [Trial of criminal cases] Sudebnoe razbiratel'stvo po ugolovnomu delu Otv red D S Karev Moskva, Gosiurizdat, 1962 42 p (Bibliotechka narodnogo zasedatelia)

Participation of the Soviet public in the instigation of criminal lawsuits. A.A.Shatrov. Vop.krim. no.6/7. 143-151 '62.

Placing a minor in the custody of his parents or guardians as a measure to ensure his presence at judicial examination A Buriakov Sots zakon 40 no 6 43-45 Je '63

Savitskii, V.M., and I.I. Poteruzha. [Status of the injured in Soviet criminal procedure] Poterpevshii v sovetskom ugolovnom protsesse Moskva, Gosiurizdat, 1963 168 p.

CRITICAL POINT

On a possible case of critical phenomena. I.R. Krichevskii and others. Zhur. fiz. khim. 37 no. 8:1824-1825 Ag '63.

CROCODILES

Some functional characteristics of a crocodile skull N.N. Iordanskii. Nauch dokl. vys shkoly, biol nauki no. 3:42-46 '63.

CROP YIELDS

Early deep fall-plowed planed fields increases the crop yields. F I. Hartenev. Zemledelie 25 no.7 36-37 Jl '63.

CROPS AND CLIMATE

Effect of unfavorable weather conditions on the structure of the crop of the Timiriazevskii 49 and the no. 572 peas. M. M Aronchuk. Dokl, TSKHA no. 62 189-197 '61.

CROPS AND SOILS

Dynamics of the characteristics of soils under meadow grass stands. A. V. Baranovskaia. Trudy Bot. inst. Ser 3 no. 14:118-139 '63.

Some microclimatic and nutrition indices of soil under mixed sowing in packed green fallow. Dokl. TSKHA no. 62 31-38 '61.

CROTONALDEHYDE

Dimerization of cyclic ethylene acetal of crotonaldehyde S.S. IUfit, V.F. Kucherov. Izv. AN SSSR, Ser. khim. no. 9:1695-1696 S '63.

CRUCIFERAE see Brassicaceae

CRUSHED STONE INDUSTRY

Producing daily 2,000 cubic meters of high-quality crushed stone I.S. Kuz'min Put' i put khoz 7 no. 8 19 '63

CRUSHING MACHINERY

Method for calculating beater mills with gravitational separators. I.E. Dubovskii. Energomashinostroenie 9 no 6:1-5 Je '63.

Methodology of the technological calculation of short-cone crushers. A.K. Rundkvist. Sbor. nauch. trud. KGRI no. 7:291-293 '59.

CRUSHING MACHINERY—DESIGN AND CONSTRUCTION

A further improvement in the design of KMD-2200 UZTM crushing machines should be made without delay. V. G. Svirin. TSvet. met. 36 no. 8 17-19 Ag '63.

CRUSTACEA—ANATOMY

Adaptive features of the cuticle of Crustacea and its morphological characteristics in the phylum of arthropods [with summary in English]. L. M Semenova. Zool. zhur. 42 no. 8:1155-1160 '63.

CRUSTACEA—EGGS

Effect of X-raying on the eggs of Artemia salina L. E. V Buriakova, M. L. Kakushkina, N. V. Korneeva. Nauch dokl. vys. shkoly; biol. nauki no. 3:83-87 '63.

CRYOLITE

Nephelometric determination of aluminum in the form of cryolite IU. L. Lel'chuk, B N. Besprozvannykh Izv. TPI 111:59-61 '61.

CRYOSCOPY

Determination of salting-out constants and activities in ternary solutions from freezing point depression data [with summary in English]. P. IA. Siver. Zhur. fiz. khim. 37 no. 8:1769-1775 Ag '63.

Semiautomatic apparatus for the cryoscopic determination of the molecular weights of petroleum products. G E Dukhovnyi Khim. i tekh. topl. i masel 8 no. 8:62-64 Ag '63.

CRYSTAL LATTICES

Concerning a discussion with E.K. Gerling. S.B. Brant. Geokhimiia no. 12:1118-1122 '62.

Dynamics of ZnS type crystal lattices with fractional variable ion charges. E.N. Korol', K.B. Tolpygo. Fiz tver tela 5 no. 8:2193-2206 Ag '63.

Energy of the complex crystal lattice of silicates. R.G. Grebenshchikov, N A Toropov Dokl AN SSSR 151 no. 1:102-105 Jl '63.

Momentum transfer to an impurity center in a lattice by a scattered electron. V.B. Fiks. Fiz. tver. tela 5 no. 8:2213-2218 Ag '63.

Ordering of ferro- and antiferromagnetic alloys Fiz met i metalloved 16 no 1 3-12 Jl '63

Possibility of resonance penetration of electrons through barrier systems in crystals [with summary in English] L. V. Iogansen. Zhur. eksp. i teor. fiz. 45 no 2:207-213 Ag '63.

Use of the method of Green's functions in the analysis of magnetic lattices. A.G. Khachaturian. Fiz. tver. tela 5 no 8:2178-2184 Ag '63.

CRYSTAL LATTICES—ABSORPTION SPECTRA

Fine structure theory of X-ray absorption spectra. A. I. Kozlenkov. Trudy Inst met. no. 15:96-119 '63

Temperature dependence theory of the fine structure of X-ray absorption spectra. V. V. Shmidt. Trudy Inst. met. no. 15:120-132 '63.

CRYSTAL OPTICS

Theory of total reflectance of transparent monoaxial crystals M. S Piatrou. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no 1:49-55 '62

CRYSTALLINE LENS

Changes in the crystalline lens during radiotherapy of hemangiomata of the face [with summary in English]. L. S. Lutsker. Uch. zap GNII glaz. bol. no. 8:71-79 '63.

Changes in the crystalline lens in experimental atherosclerosis [with summary in English]. E. O. Saksonova. Uch. zap. GNII glaz. bol. no. 8:49-54 '63.

Experimental study of the reaction of a rabbit's eye to the implantation in the anterior chamber of an artificial crystalline lens made of glass or plastic [with summary in English] M. M. Krasnov, G. A. Petropavlovskaia, A. V. Khvatova. Uch zap. GNII glaz. bol no 8:163-170 '63.

Intracapular extraction of the crystalline lens with the use of α-chymotrypsin [with summary in English]. I. V. Smirnov. Uch zap. GNII glaz. bol. no. 8:136-138 '63.

Late results of implantation in the eye of an artificial crystalline lens made of plastic [with summary in English]. F. I. Purshev. Uch. zap. GNII glaz. bol. no. 8: 171-172 '63.

State of the crystalline lens in persons working in an area of ionizing radiation [with summary in English]. L. S. Lutsker. Uch. zap. GNII glaz. bol. no. 8:62-67 '63.

Study of the crystalline lens in infrared light [with summary in English]. R. A. Gundorova. Uch. zap. GNII glaz. bol. no. 8:40-43 '63.

Use of various means of removing the crystalline lens in the intracapsular extraction of a cataract [with summary in English] R. A. Gundorova and others. Uch. zap. GNII glaz. bol no. 8:119-127 '63.

CRYSTALLINE LENS—ABNORMITIES AND DEFORMITIES

Correction of astigmatism in aphakia [with summary in English]. V. N. IAnchevskaia. Uch. zap. GNII glaz. bol. no. 8:181-185 '63

Correction of monocular aphakia with contact lenses [with summary in English]. E. M. Orlova, A. F. Shkatova. Uch. zap. GNII glaz. bol. no. 8:173-180 '63.

CRYSTALLINE LENS—FOREIGN BODIES

X-ray diagnosis of foreign bodies in the crystalline lens [with summary in English]. E. S. Vainshtein. Uch. zap. GNII glaz. bol. no. 8:41-48 '63.

CRYSTALLIZATION

Behavior of isomorphic admixtures in the course of crystallization in a multicomponent system [with summary in English]. I. D. Riabchikov. Geokhimiia no. 12:1046-1054 '62.

Cross-linking processes in a graft copolymer based on crystallizing polyester [with summary in English]. V. P. Shibaev and others. Vysokom. soed. 5 no. 6: 932-937 Je '63.

Effect of dispersed oxide inclusions on the recrystallization of sintered powder nickel. V. P. Elutin, V. N. Antsiferov, E. I. Mozzhukhin. Izv. vys. ucheb. zav.; chern. met. 6 no. 7:134-139 '63.

Effect of phase transitions on the mechanical properties of crystalline polymers [with summary in English]. G. L. Slonimskii, V. A. Ershova. Vysokom. soed. 5 no. 6:831-833 Je '63.

Genesis of crystal-bearing veins in the Aldan Shield. V. I. Berger, A. A. Moskaliuk. Trudy VSEGEI 83:33-48 '62.

Principles of the crystallization column theory. A. G. Anikin. Dokl. AN SSSR 151 no. 5:1139-1142 Ag '63.

Structural changes in certain glasses during the formation of sitalls. E. S. Sorkin, N. M. Vaisfeld. Dokl AN [illegible] 151 no. 3:628-630 Jl '63.

Studying crystallization processes of titanium dioxide with interaction between titanium tetrachloride and oxygen. S G Moinov, V. A. Reznichenko. Titan i ego splavy no. 9:166-171 '63.

Use of zonal fusion in establishing the fields of crystallization and eutectic composition of multicomponent systems of fused salts. V. M. Agoshkov. Dokl. AN [illegible] 152 no. 1:95-99 S '63.

Universal drum type crystallizer for the crystallization of the naphthalene fraction in a thin layer B. A Shmulak Koks i khim. no. 6:41-46 '63.

CRYSTALLOGRAPHY

Concerning a fundamental generalization of V. I. Vernadskii [with summary in English]. N. V. Belov. Geokhimiia no. 3:211-218 Mr '63.

Crystal chemical properties and infrared absorption spectra of borates and borosilicates I. I. Plyusnina, IU A Kharitonov Zhur. strukt. khim. 4 no 1 555 Feb Jl-Ag '63.

Crystal structure of TR-Si-apatite. S V Borisov, R F. Klevtsova. Zhur strukt. khim. 4 no 1 529 Feb Jl-Ag '63

Crystallochemical and "Bohr" radii G S Mondzhi Min syrie no 7:11-17 '63

Density and degree of disorder in some solid phases of varying composition [with summary in English]. P. I. Smagina, V. S. Kutsev. Zhur. fiz. khim. 37 no. 8:1813 1817 Ag '63.

Jahn-Teller theorem. Norman S. Ham. Usp. khim. 32 no. 8:1010-1023 Ag '63.

Some regularities of the crystallochemistry of intermetallic compounds of rare earth metals. P. I. Kripiakevich and others Kristallografiia 8 no 4 595-599 Jl-Ag '63.

Splitting of the ground states of Mn^{2+} and Fe^{3+} ions in low-symmetry crystal fields. A. M. Leushin. Fiz. tver. tela 5 no. 8:2352-2358 Ag '63.

Wave function and energy of NaCl crystals with excess (band) electrons. Z. IA. Evseev. Fiz. tver. tela 5 no. 8:2345-2351 Ag '63.

CRYSTALLOGRAPHY—BIBLIOGRAPHY see Bibliography—Crystallography

CRYSTALLOGRAPHY—STUDY AND TEACHING

New course in crystal morphology. I. I. Shafranovskii Kristallografiia 8 no. 4 607-608 Jl-Ag '63

CRYSTALLOGRAPHY, MATHEMATICAL

Integral rational bases of tensor invariants of crystallographic groups. IU. I. Sirotin. Dokl. AN SSSR 151 no. 3:564-566 Jl '63.

Program of calculation of the divergence coefficients from the known portion of the crystalline structure and the arbitrary assembly of atoms. F. A. Brunenkeev. Zhur strukt. khim. 4 no 4:641-642 Jl-Ag '63.

Quantitative evaluation of the maximums of the two-dimensional Paterson function (method of integral characteristics). V V. Il'iukhin, S. V. Borisov. Zhur. strukt khim. 4 no. 4 602-609 Jl-Ag '63

A useful theorem in structure (or lattice) crystallography. E. A. Pobedimskaia, N. V Belov. Kristallografiia 8 no. 4:674-675 Jl-Ag '63

CRYSTALS—DEFECTS

Closing of an isolated pore in a crystalline body by hydrostatic stress. IA. G. Geguzin, A. S. Dziuba, A. M. Kosovich. Fiz. tver. tela 5 no. 8:2219-2227 Ag '63.

Distortion of zone vibrations of crystals due to defects. G. S. Zavt. Fiz. tver. tela 5 no. 7:1946-1957 Jl '63.

Ionization mechanism underlying the appearance of structural defects in crystals. S. V. Starodubtsev, A. I Kiv. Dokl. AN SSSR 151 no. 3:550-551 Jl '63.

CRYSTALS—DIPOLE MOMENTS

Exciton wave function and energy in a finite crystal. V. I. Sugakov. Fiz. tver. tela 5 no. 8:2207-2212 Ag '63.

CRYSTALS—GROWTH

Contribution to the theory of the growth of whiskers on a cathode. S. I. Krichmar. Dokl. AN SSSR 151 no. 3:611-610 Jl '63.

Device for imparting vibration to crystals extracted from the melt. G. V. Nikitina, A. I. Podin, V. N. Romanenko Prib. i tekh. eksp. 8 no. 3:196-197 My-Je '63.

Theory of the growth of bainite crystals in the intermediate transformation of austenite. L. N. Aleksandrov, B. IA. Liubov. Dokl. AN SSSR 151 no. 3:552-555 Jl '63.

Use of the method of characteristics in the theory of crystal shapes. A. A. Chernov. Kristallografiia 8 no. 4:499-505 Jl-Ag '63.

CRYSTALS—OPTICAL PROPERTIES

Theory of infrared light absorption in crystals. Four-phonon interaction. V. N. Kashcheev. Fiz. tver. tela 5 no. 8:2339-2344 Ag '63.

CRYSTALS—TESTING

Crystal holder for high-pressure research. G. G. Leonidova. Prib. i tekh. eksp. 8 no. 3:198 My-Je '63.

CRYSTALS—THERMAL PROPERTIES

Change in the heat conductivity of cubic crystals due to deformation. I. A. Smirnov, B. IA. Moizhes. Fiz. tver. tela 5 no. 7:1958-1969 Jl '63.

Relationship between the melting point of crystalline matter and the type of chemical bond. A. S. Povarennykh. Sbor. nauch. trud KGRI no. 7 7-18 '59.

CRYSTALS—VIBRATION

Distortion of zone vibrations of crystals due to defects. G. S. Zavt. Fiz. tver. tela 5 no. 7 1946-1957 Jl '63

Ion displacement in heteropolar crystals due to natural oscillations. A. I. Ratchenko. Fiz. tver. tela 5 no. 7: 1982-1987 Jl '63.

CTENOPHARYNGODON—PARASITES see Parasites—Ctenopharyngodon

CUBA—AERONAUTICS—FLIGHTS

Cuba is my love. IU. Valerius. Grazhd. av. 20 no. 7: 20-21 Jl '63.

CUBA—ECONOMIC CONDITIONS

Economic changes in the Cuban Republic. P. Gel'man. Nauch. dokl. vys. shkoly, ekon. nauki 6 no. 5 3-15 '63.

Under the banner of freedom and socialism. A. Zaikin. Part. zhizn' Kazakh. 33 no. 7 78-80 Jl '63.

CUBA—ECONOMIC POLICY

Developing the planned economy of Cuba. IA. Mashbits. Vop. ekon. no. 9:120-123 S '63.

CUBA—EDUCATION

The cultural revolution in Cuba I. Grigulevich. Nov. vrem. 21 no. 35.19-20 Ag '63.

CUBA—FOREIGN RELATIONS—UNITED STATES

The weight of the past: a book review. S. Gonionskii. Nov. vrem. 21 no. 31:29-31 Ag '63.

CUBA—FORESTS AND FORESTRY

Forests in Cuba. L. N. Ostrovskaia. Les. khoz. 16 no. 2:89-90 F '63.

CUBA—GEOGRAPHY

"History of the geography of Cuba" (in Spanish) by José Alvarez Conde. Reviewed by A. D. Dridzo. Izv. Vses. geog. ob-va 95 no. 4 378-380 Jl-Ag '63.

CUBA—HISTORY

The weight of the past: a book review. S. Gonionskii. Nov. vrem. 21 no. 31:29-31 Ag '63.

CUBA—LIBRARIES

The development of library work in Cuba and the National Library. O. K. Kirik. Sov. bibl. no. 4:139-148 '63.

CUBA—POLITICS AND GOVERNMENT

Victorious Cuba. Henri Alleg. Ogonek 41 no. 30:10-11 Jl '63.

CUBA—RELATIONS (GENERAL) WITH RUSSIA

U. S. S. R. and Cuba. Kul't. i zhizn' 7 no. 5:27 '63.

CUCUMBERS—ANALYSIS

Studying osmosis and diffusion in cucumber preserves. R. M. Ponomarenko. Kons. i ov. prom. 18 no. 9:5-7 S '63.

CUCUMBERS—FERTILIZERS AND MANURES

Conditions of mineral nutrition and the yield of tomatoes and cucumbers in the hothouses of the Marfino State Farm, Moscow Province. N. A. Smirnov. Dokl. TSKHA no. 82.353-357 '61.

CULTIVATED PLANTS see Plants, Cultivated

CULTIVATORS

Cultivation of the inter-row spacing of corn using the high-speed KRN-4, 2 cultivator. L. P. Dolgii. Nauch. trudy UNIIMESKH 4:7-10 '62.

Cultivators. S. Sachii. Tekh. v sel'khoz. 23 no. 5:86-89 My '63.

Improvement of working parts of cultivators. L. P. Bitsrukii. Mekh. i elek. sots. sel'khoz. 21 no. 4:46-47 '63.

Methods for studying the wear resistance of working parts cultivators. I. M. Semeniuk. Nauch. trudy UNIIMESKH 4:97-101 '62.

Results of testing new beet cultivators. V. M. Liakh, V. I. Galkin. Mekh. i elek. sots. sel'khoz. 21 no. 4:53-57 '63.

Study of the hydraulic drive of the extensible sections of orchard cultivators. I. B. Bernshtein. Nauch. trudy UNIIMESKH 4:112-117 '62.

CULVERTS

Circular culverts with walls of varying thicknesses. K. V. Nikolai. Transp. stroi. 13 no. 6:64 Je '63.

New construction specifications and regulations for designing bridges and culverts. Transp. stroi. 13 no. 6:36-37 Je '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. 2. Sec. D. ch. 7. [Bridges and culverts; standards of design] Mosty i truby, normy proektirovaniia (SNIP II-D. 7-62). 1963. 62 p.

CUMENE

Role of emulsifying agents in the oxidation of isopropylbenzene and 1,1-diphenylmethane. S. D. Kaz'mina, R. V. Kucher. Neftekhimiia 3 no. 3 371-377 My-Je '63

CUMULENES

Electronic structure and properties of cumulated systems. Part 1. Internal barriers to rotation in organic cumulenes. E. M. Shustorovich. Zhur. struk. khim. 4 no. 4 642-645 Jl-Ag '63

CUNEIFORM INSCRIPTIONS, ELAMITE

Elamite economic documents from Susa. Transcription, translation, and comments by IU. B. Iosifov. Vest. drev. ist. no. 2 180-222 '63

CUNEIFORM INSCRIPTIONS, VANNIC

Diakonov, I. M. [Urartic letters and documents] Urartskie pis'ma i dokumenty. Vstup. stat'ia B. B. Piotrovskogo. Moskva, Izd-vo Akad. nauk SSSR, 1963. 142 p.

CUPOLA FURNACES

Use of liquified gas in cupola furnaces. I. A. Brovkin, B. A. Danilov. Sbor. nauch. trud. IIT no. 10:94-103 pt. 2 '62.

CURARELIKE SUBSTANCES

Chemical and pharmacological research in the series of derivatives of cyclobutanedicarboxylic acids [with summary in English]. A. P. Arendaruk and others. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3 138-157 '63

Curariform action of remetine hydroxymethylate. I. K. Kamilov, S. F. Fakhrutdinov. Farm. i alk. no. 1 15-19 '62

Therapeutic use of curarelike and neuroplegic substances in tetanus. K. M. Loban. Vrach. delo no. 6 90-93 Je '63.

CURRANTS

Growing healthy black currant planting stock. P. Shcherengovyi, A. Ivashchenko. Zashch. rast. ot vred. i bol. 8 no. 5:21-22 My '63.

CURRANTS—DISEASES AND PESTS

Tomasiniana ribis. M. I. Boldyrev, E. E. Ocheretenko, N. K. Batyshchikov. Zashch. rast. ot vred. i bol. 8 no. 5:22-24 My '63.

CURRANTS—VARIETIES

New varieties of black currants. P. I. Zhitneva, K. V. Shaumian, E. V. Bronshtein. Dokl. TSKHA no. 62:303-313 '61.

CURVES

Some cases of the generation of periodic motions from special-type trajectories. L. P. Shil'nikov. Mat. sbor. 61 no. 4.443-466 Ag '63.

Theory of curves in projective n-dimensional space and its application to linear differential equations. A. S. Udalov. Mat. sbor. 61 no. 4 426-442 Ag '63.

Turn of a curve in a manifold of limited curvature with an isothermal linear element. IU. G. Reshetniak. Sib. mat. zhur. 4 no. 4:870-911 Jl-Ag '63

CURVES, ALGEBRAIC

Focuses of quadratic curves. L. I. Gavrilov. Uch. zap. Ped. inst. Gerts. 107.43-53 '56.

CURVES, ISOTHERMIC

Effect of viscosity and molar volume on the shape of isotherms of electric conductance in binary systems [with summary in English]. A. A. Strel'nikov. Zhur. fiz. khim. 37 no. 8:1665-1668 Ag '63.

CURVES IN ENGINEERING

Secant of equivalent length and its use in laying out railroad and highway routes. A. F. Liutts. Trudy NIIZHT no. 30 45-53 '62

CUSACK, DYMPHNA

"To use the pen like a sword" is the motto of ... Cusack. Colette Jakob. Zhen. mira ...

CUSHING SYNDROME

Itsenko-Cushing's disease in a 2-year child. A. I. Shvaieva, N. N. Gimade... no. 3.92 My-Je '63.

CUSTOMS ADMINISTRATION

Customs document of 1596 for a ru... Mamatova. Zap. Otd. ruk. no. 25:3

CUTTING MACHINES

Automatic machine for cutting and ... Kellerman. Mashinostroitel' no. 7

Billet cutting machine. R. K. Pistun. Mashinostroitel' no. 7:23 Jl '63.

CYANIDE PROCESS

Intensifying the cyaniding of gold-b... Loonov, M. F. Khabrov. Izv. vys. u... met. 6 no. 3:100-105 '63.

CYANITE

Interrelations of andalusite, cyanite, ... under the conditions of moderate te... sures [with summary in English]. ... Pugin, Chao Ping, A. B. Slutskii. ... 228 Mr '63.

CYBERNETICS

Applying the ideas and methods of cybernetics to biology and forestry. V. D. Aleksandrova. Les. khoz. 16 no. 5 16-21 My '63

Cybernetic control of the process of irreversible hypothermia. I. V. Maistrakh and others. Dokl. AN SSSR 151 no. 3 711-717 Jl '63.

Development of industrial cybernetics. V. A. Trapeznikov. Vest. AN SSSR 33 no. 9 3-8 S '63.

Some equivalent transformations of algorithm schemes. R. N. Tonoian. Dokl. AN SSSR 151 no. 1 59-61 Jl '63.

CYCLIC COMPOUNDS

Anionic copolymerization of cyclic polysiloxanes [with summary in English]. Z. Lata, M. Jelinek. Vysokom. soed. 5 no. 8.1268-1276 Ag '63.

New method of synthesizing macrocyclic compounds. Report No. 5: Effect of the phase composition of a reaction mixture on the process of intramolecular acylation of 10-(2-thienyl)capric acid chloride. S. Z. Taits, L. I. Belen'kii, IA. L. Gol'dfarb. Izv. AN SSSR, Ser. khim. no. 8:1460-1469 Ag '63.

CYCLIZATION (CHEMISTRY) see Ring formation (Chemistry)

CYCLODODECANE

Kinetics and mechanism of liquid phase oxidation of cyclododecane by molecular oxygen. Part 3. Kinetics of decomposition of cyclododecyl hydroperoxide. V. G. Bykovchenko, I. V. Berezin. Neftekhimiia 4 no. 3 376-380 My-Je '64

CYCLOHEXADIENONE

Formation of nitrocyclohexadienones by the nitration of 2, 4, 6-trialkyl phenols. V. V. Ershov, G. A. Zlobina. Izv. AN SSSR, Ser. khim. no. 9:1657-1660 S '63.

CYCLOHEXANE

Activity of a Co/Al_2O_3 catalyst with various ratios of components. A. E. Agronomov, A. P. Mishchenko. Vest. Mosk. un. Ser. 2 khim. 18 no. 4.50-54 Jl-Ag '63

Clinicochematological indices in cattle after external treatment with DDT and hexachlorocyclohexane preparations. I. A. Kurmanov. Trudy VNIIVS 14 15-16 '50.

Compressibility of cis- and trans-1, 3-dimethylcyclohexanes. M. G. Gonikberg and others. Zhur. fiz. khim. 37 no. 8:1691-1693 Ag '63.

Dehydrogenation and hydrogenolysis of cyclohexane on Ru/SiO_2 catalyst. F. B. Gonein, A. A. Balandin, T. A. Slovokhotova. Izv. AN SSSR Ser. khim. no. 7:1203-1210 Jl '63

Dehydrogenation of methylcyclohexane on alumina-chromia and alumina-molybdenum oxide catalysts. IU. N. Usov, I. V. Skvortsova, G. G. Kliushnikova. Neftekhimiia 3 no. 3 320-325 My-Je '63.

Mixed adsorption catalysts of dehydrogenation. Report No. 1. Pd/SiO_2 as a catalyst of cyclohexane dehydrogenation. A. A. Alchudzhan, M. A. Mantikian, A. M. Aikazian. Izv. AN Arm. SSR. Khim. nauki 16 no. 4 303-311 '63.

Mixed adsorption catalysts of dehydrogenation. Report No. 2. Pd-Ag/SiO as a catalyst of cyclohexane dehydrogenation. A. A. Alchudzhan, M. A. Mantikian, A. M. Aikazian. Izv. AN Arm. SSR. Khim. nauki 16 no. 4 315-325 '63.

Use of hexachloran smoke pots in protecting deer herds from botflies and bloodsucking insects in the tundras of the Nenets National Area. V. A. Nikolaev. Trudy VNIIVS 14:13-15 '50.

CYCLOHEXANONE

Gravimetric method for the quantitative determination of niobium and tantalum following extraction with cyclohexanone [with summary in English]. IA. G. Goroshchenko and others. Zhur. anal. khim. 18 no. 6 739-742 Je '63

CYCLOPENTADIENE (Continued)

Substituted cyclopentadienes and related compounds. Report No. 10. Three isomeric methylcyclopentadienes. V. A. Mironov, E. V. Sobolev, A. N. Elizarova. Izv. AN SSSR, Ser. khim. no. 9:1607-1617 S '63.

CYCLOPENTANECARBOXYLIC ACID

Derivatives of substituted acetic acids. Report No. 2. β-Dialkyl aminoethyl, α-methyl γ-dialkyl aminopropyl and β, β-dimethyl γ-dialkyl aminopropyl esters of (p-chlorophen, β)-cyclopentanecarboxylic acid. V. I. Mindzhoian, G. L. Papadin, M. A. Bagoian. Izv. AN Arm SSR Khim. nauki 16 no. 4 359-364 '63.

CYCLOPENTANONE

Preparation of glutaric acid by the oxidation of cyclopentanone with oxygen. V. B. Fal'kovskii and others. Izv. vys. ucheb. zav., Khim. i khim. tekh. 6 no. 2 344-345 '63.

CYCLOPROPANE

Production of cyclopropane hydrocarbons via organoaluminum compounds. L. I. Zakharkin, L. V. Savina. Izv. AN SSSR, Ser. khim. no. 9:1693-1695 S '63.

CYCLOTRON RESONANCE

Study of gamma rays in a cyclotron resonance system. G. Indiresh and others. Zhur. tekh. fiz. 33 no. 4 462-469 Ap '63.

CYRILLUS, Saint, 827 (ca.)-869

Forefathers of Slavic literature. V. Virginskii. V mire knig 3 no. 8 47 Ag '63.

CYSTEINE

Conservative treatment of initial cataracts [with summary in English]. M. M. Pradkin and others. Uch. zap. GNII glaz. bol. no. 8:84-90 '63.

Cysteine in the treatment of cataracts [with summary in English]. Z. V. Svistukhina. Uch. zap. GNII glaz. bol. no. 8:96-100 '63.

Results of the use of cysteine in the treatment of cataracts [with summary in English]. V. I. Shulaeva, R. G. Mirsaeva. Uch. zap. GNII glaz. bol. no. 8:91-95 '63.

CYSTS

Closed calcified cyst of the lung. B. N. Bandulin, Z. I. Levina. Vest. rent. i rad. 38 no. 2 62-63 Mr-Ap '63.

Median and lateral cysts and fistulas of the neck. N. V. Vasil'ev. Vest. otorin. no. 1 82-88 '63.

CYTOLOGIC DIAGNOSIS see Diagnosis, Cytologic

CYTOTOXIC DRUGS

Intra-arterial administration of large doses of cytostatics under the protection of bone marrow transplantation in advanced cases of cancer [with summary in English]. O. Costachel and others. Vop. onk. 9 no. 2 53-60 '63.

Methods for determining the cumulation and reversibility of the toxic effect of antitumor drugs [with summary in English]. L. F. Larionov, V. A. Grishko. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3 358-366 '63.

Testing the antitumorigenic activity of alkaloids [with summary in English]. B. IU. Aizenman and others. Mikrobiol. zhur. 25 no. 4:52-57 '63.

Testing the antitumorigenic activity of extracts from higher plants in vitro [with summary in English]. B. IU. Aizenman and others. Mikrobiol. zhur. 25 no. 4:46-52 '63.

CZECHOSLOVAKIA—AGRICULTURAL EDUCATION

Agricultural education in Czechoslovakia. A. Il'ichev. Vest. sel'khoz. nauki 8 no. 1 152-153 Ap '63.

CZECHOSLOVAKIA—AIRLINES

Československé Aerolinie. Grazhd. av. 20 no. 7:30 Jl '63.

CZECHOSLOVAKIA—CAPITAL INVESTMENTS

Determining the efficiency of capital investments in the socialist economy. L. Ruha, V. Kamarek. Plan. khoz. 40 no. 8 79-85 Ag '63.

CZECHOSLOVAKIA—CHEMICAL INDUSTRIES—MATHEMATICAL MODELS

Utilizing matrix models for planning in enterprises and branches of Czechoslovakia. J. Skoika, J. Veprek. Plan. khoz. 40 no. 9:49-53 S '63.

CZECHOSLOVAKIA—COMMUNIST YOUTH LEAGUE

History of the organization of the Communist Youth League in Czechoslovakia [with summary in English]. V. V. Privalov. Vest. LGU 18 no. 14:115-117 '63.

CZECHOSLOVAKIA—COMMUNIST YOUTH LEAGUE—CONGRESSES

Attending the congress of our friends. M. Kiselev. Mol. komm. no. 8:111-114 Ag '63.

CZECHOSLOVAKIA—CONSTITUTION

Czechoslovak Republic. Constitution. [Constitution and legislative enactments. Translated from the Czech] Konstitutsiia i zakonodatel'nye akty. Moskva, Izd-vo IMO, 1962. 403 p. (Cst-H)

CZECHOSLOVAKIA—COURTS

Judicial system of the Czechoslovak Socialist Republic. Alois Neuman. Sov. iust. no. 12 24-26 Je '63.

CZECHOSLOVAKIA—DESCRIPTION AND TRAVEL

Poltoratskyi, O. I. [From east to west, travel impressions. Czechoslovakia, Democratic Germany, France] Zi skhodu na zakhid, podorozhni vrazhennia. Chekhoslovachchyna, Demokratychna Nimechchyna, Frantsiia. Kyiv, Radians'kyi pys'mennyk, 1959. 169 p. (WaU)

CZECHOSLOVAKIA—EDUCATION

National science and mathematics education in the schools of the Czechoslovak People's Republic. A. S. Prokofovich. Sov. pedag. 27 no. 6:119-119 Je '63.

Tasks of pedagogical science at the present stage of the development of communism in the Czechoslovak People's Republic. Josef Vana. Sov. pedag. 27 no. 7 122-128 Jl '63.

CZECHOSLOVAKIA—ELECTRIC LOCOMOTIVES

Recommendations on the maintenance of the distribution panel board of the ChS1 electric locomotive. A. S. Vinogradov, A. M. Osminnikov. Elek. i tepl. tiaga no. 8 36 Ag '63.

CZECHOSLOVAKIA—INDUSTRIAL WASTES—PURIFICATION

Purification of the waste waters from sugar factories. P. I. Silin. Sakh. prom. 37 no. 9 73-77 S '63.

CZECHOSLOVAKIA—INTELLECTUAL LIFE

Radvolina, I. M. [Until we meet again, friends! Essays] Do novoi vstrechi, druz'ia! Ocherki. Moskva, Sovetskii pisatel', 1963. 241 p.

CZECHOSLOVAKIA—LIBRARIES, CHILDREN'S

How they work with children in Czechoslovak libraries. M. B. Nabatova. Bibliotekoved. i bibl. za rub. no. 11 20-33 '63.

CZECHOSLOVAKIA—LOCAL GOVERNMENT

Shabanov, M. R. [National committees, the local organs of the government of the Czechoslovak Socialist Republic] Natsional'nye komitety - mestnye organy gosudarstvennoi vlasti Chekhoslovatskoi Sotsialisticheskoi Respubliki. Moskva, Gosizdat, 1963. 119 p.

CZECHOSLOVAKIA—LOCOMOTIVES

New Czechoslovak locomotives. R. Hřebíček. Zhel. dor. transp. 45 no. 9 91-92 S '63.

CZECHOSLOVAKIA—MACHINERY INDUSTRY—MATHEMATICAL MODELS

Utilizing matrix models for planning in enterprises and branches of Czechoslovakia. J. Skolka, J. Veprek. Plan. khoz. 40 no. 9:49-53 S '63.

CZECHOSLOVAKIA—MICROBIOLOGY—CONGRESSES

Problems of microbiology and virology at the Czechoslovak Medical Congress. I. V. Blyhorlieva. Mikrobiol. zhur. 25 no. 4 66-67 '63.

CZECHOSLOVAKIA—MOTION-PICTURE THEATERS—DESIGN AND CONSTRUCTION

Prefabricated motion-picture projection room. Tekh. kino i telev. 7 no. 8:91-95 Ag '63.

CZECHOSLOVAKIA—MOTORBUSES

Czechoslovakian urban motorbuses. E. S. Malorov. Avt. prom. 29 no. 9:46-47 S '63.

CZECHOSLOVAKIA—PHYSICAL THERAPY

Use of a new kinesiological indicator in the evaluation of the effectiveness of some methods of health resort treatment of patients with the lumbar ischialgic syndrome. T. Mydlik, S. Liska, L. Welser. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:393-397 S-O '62.

CZECHOSLOVAKIA—RAILROADS—FREIGHT

Concentration of freight operations on the railroads of Czechoslovakia. Zhel. dor. transp. 45 no. 8 91 Ag '63.

CZECHOSLOVAKIA—RELATIONS (GENERAL) WITH RUSSIA

Kotliarov, V. I., and A. D. Marchenko. [Friendship strengthened through blood] Druzhba, skreplennaia krov'iu. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 214 p.

CZECHOSLOVAKIA—SOCIETIES

Matica Slovenská is one hundred years old. Juraj Paška. Sov. bibl. no. 1:131-138 '63.

CZECHOSLOVAKIA—STOCK AND STOCKBREEDING—ACCOUNTING

Accounting for livestock in the unified agricultural cooperatives of Czechoslovakia. Vitezlav Staryl. Uchet i fin. v kolkhoz i sovkhoz 20 no. 8:45-47 Ag '63.

CZECHOSLOVAKIA—TISSUES—PRESERVATION

Conference dedicated to the 10th anniversary of the tissue bank of Czechoslovakia. V. S. Bellaev. Sov. med. 27 no. 7:153-155 Jl '63.

CZECHOSLOVAKIA—VIRUS DISEASES OF PLANTS

Studies on phytopathogenic viruses in Czechoslovakia. A. D. Bobyr. Mikrobiol. zhur. 25 no. 4:63-66 '63.

DDT (INSECTICIDE)

Clinicohematological indices in cattle after [illegible] treatment with DDT and hexachlorocyclohexane [illegible] rations. I. A. Kuz'manov. Trudy VNIIVS 14 [illegible]

Effectiveness of DDT in the control of mites [illegible] artificial bird nesting places. A. D. [illegible] Dunova, A. I. Il'enko. Nauch. dokl. vys. shkoly, biol. nauki no. 3:25-27 '63.

Therapy of Melophagus infestation in sheep. [illegible] brov, M. G. Khalin. Trudy VNIIVS 14 [illegible]

DACRYOCYSTITIS

Modification of Professor Golovin's operation for dacryocystitis. A. G. Petrov. Kaz. med. zhur. no. 3:89 My-Je '63.

Our experience in dacryocystorhinostomy [illegible] fessor V. N. Arkhangel'skii's method. N. V. [illegible] Kaz. med. zhur. no. 3:89 My-Je '63.

DAGHESTAN—AGRICULTURE—AUDITING AND [illegible] TION

Common tasks and common efforts. P. Nebera, [illegible] ev. Fin. SSSR 37 no. 6 66-67 Je '63.

Joint control practice. P. Nebera, I. Gorbach[illegible] kred. 21 no. 8 55-58 Ag '63.

DAGHESTAN—BANKS AND BANKING

Joint control practice. P. Nebera, I. Gorbach[illegible] kred. 21 no. 8 55-58 Ag '63.

DAGHESTAN—CANNING INDUSTRY—FINANCE

What are the contributing factors of losses [illegible] Fin. SSSR 37 no. 8 46-49 Ag '63.

DAGHESTAN—ETHNIC TYPES

Ethnic anthropology of the peoples of Dagh[illegible] liminary notice. A. Gadzhiev. Vop. ant[illegible] 13:1 '62.

DAGHESTAN—GEOLOGY, STRATIGRAPHIC

Mechanism of the formation of black and [illegible] in Daghestan Paleogene sediments. K. I. Shi[illegible] Dokl. AN SSSR 151 no. 5:1168-1169 Ag '63.

DAGHESTAN—HISTORY

Mustafaev, Abdul-Basir M. [In fraternal unity [illegible] from the Russian people is a decisive factor in [illegible] tional renaissance of the peoples of Daghestan] [illegible] tskom edinstve, pomoshch' russkogo naroda, [illegible] shaiushchii faktor v natsional'nom vozrozhdenii [illegible] Dagestana [By] B. Mustafaev. Nakhchivan [illegible] stanskoe knizhnoe izd-vo, 1960. 107 p. (MH)

DAGHESTAN—PALEONTOLOGY, STRATIGRAPHIC

Upper Cretaceous fauna of Daghestan. A. T. [illegible] Trudy Geol. inst. AN Gruz. SSR, Geol. ser., [illegible] '63.

DAGHESTAN—SEDIMENTS (GEOLOGY)—ANALYSIS

Geochemical conditions of the formation of the [illegible] Cretaceous deposits of Daghestan. A. G. Al[illegible] Pirbudagov. Dokl. AN SSSR 151 no. 5:1165-[illegible] '63.

DAGHESTAN—SIDERITE

Khalifa-zade, Ch. M. and S. M. Abbasova. [Siderite deposits in Daghestan] Sideritovye zalezhi [illegible] Moskva, Izd-vo Akad. nauk SSSR, 1963. 134 p.

DAGHESTAN—SPRATS, CANNED

Sprat in mustard sauce, a new type of canned fi[illegible] Tenkovskaia, S. G. Gadzhieva. Ryb. khoz. [illegible] 72 '63.

DAGHESTAN—WINE AND WINE MAKING—[illegible]

What are the contributing factors of losses. A. [illegible] Fin. SSSR 37 no. 8 46-49 Ag '63.

DAIRY BARNS

Carrousel-type arrangement for milking parlors. V. P. [illegible] chugin. Sel'. mekh. no. 5 12-13 My '63.

Good luck! Ed. Karpachou. Belarus' 20 no. 5:[illegible] '63.

DAIRY CATTLE

Increasing the butterfat content of milk. Inform. biul. VDNKH no. 7:20-23 Jl '62.

DAIRY CATTLE BREEDING

Effectiveness of artificial insemination in the improvement of dairy cattle [translated from the English]. H. W. Carter. Agrobiologiia no. 4 515-527 Jl-Ag '63.

DAIRY INDUSTRY

Building up the productive capacity of dairy industry enterprises and improving the assortment and quality of dairy products. Inform. biul. VDNKH no. 5:15 '62.

DAIRY INDUSTRY—LABOR PRODUCTIVITY see subdivision under Tashkent Province

DAIRY PRODUCTS

[Technology of milk products and technochemical [illegible] Tekhnologiia molochnykh produktov i tekhnokhimicheskii kontrol'. [By] M. G. Demurov i dr. Moskva, Pishchepromizdat, 1962. 447 p.

DAIRY PRODUCTS—ANALYSIS AND EXAMINATION

Tintalov, G. G. [Microstructure of milk and milk products] Mikrostruktura moloka i molochnykh produktov Moskva, Pishchepromizdat, 1963 177 p. (DNAL)

DAIRYING

(see also subdivision under Gomel' Province, Kalinkovichi District)

New technology on a dairy farm N. Shishlakov. Tekh. v sel'khoz 23 no. 5 22-25 My '63

DAKOTA INDIANS

Alarm on preservation. Leonid Leonov. Kul't. i zhizn' 7 no. 5 9-11 '63

DAMPING (MECHANICS)

Damping of a gyrocompass at a random law of changes of base speed. I. B. Chelpanov. Trudy LPI no. 226: 70-80 '63.

DAMS

Effect of the width of the current on the discharge capacity of a multiple-arch overflow dam G. N. Sultanmurov. Izv. vys. ucheb. zav., stroit. i arkhit. 6 no. 2, 108-111 '63.

Observations of dams which are out of line without precise measurement of lines. B. N. Zhukov. Geod. i kart. no. 6 13-18 Je '63.

DANCING see subdivision under Africa; Ceylon

DANGEROUS OCCUPATIONS see Occupations, Dangerous

DANUBE RIVER

Danube waves are peace waves Vokrug sveta no. 1 18-20 Ja '63

DARKNESS (PHYSIOLOGY)

Danun-Aschner reflex in persons working in absolute darkness V. P. Kamchatnov, I. A. Likhin Kaz. med. zhur. no. 3 94 My-Je '63

DATOLITE

Yttrium-beryllium minerals of the datolite group E. I. Semenov, V. D. Dusmatov, N. S. Samsonova Kristallografiia 8 no. 5 677-679 Jl-Ag '63

DAVITS see subdivision under Great Britain

DAY NURSERIES

Prompted by the heart and not by duty. Liudmila Kafanova. Zdorov'e 9 no. 5 18-19 My '63.

DEAF CHILDREN see Children, Deaf

DEATH—CAUSES

Causes of death at a psychiatric hospital of patients above sixty years of age V. P. Kushelev. Trudy 1-go MMI 21:527-533 '63

Causes of death in fibrous-cavernous pulmonary tuberculosis and the thanatological nature of cardiopulmonary insufficiency in this form of disease [with summary in French]. L. IA. Lorinskii Probl. tub. 41 no. 3 64-70 '63

Clinical variants of exitus letalis in the attack of bronchial asthma [with summary in English]. V. I. Rovinskii. Vrach. delo no. 6 41-48 Je '63.

DECANOIC ACID

New method of synthesizing macrocyclic compounds. Report No. 5: Effect of the phase composition of a reaction mixture on the process of intramolecular acylation of 10-(2-thienyl)capric acid chloride. S. Z. Taits, I. I. Belen'kii, IA. L. Gol'dfarb. Izv. AN SSSR. Ser. khim. no. 8 1460-1469 Ag '63.

DECEMBRISTS

"Sergei Ivanovich Muravlev-Apostol" by L. O. Medvedskaia, M. M. Lysenko. Ukr. ist. zhur. 6 no. 3 141-142 My-Je '63.

DECIMAL CLASSIFICATION see Classification, Decimal

DEEDS

Records of the old deeds of the late 16th century. V. M. Panteleev. Probl. istok. no. 11:346-363 '63.

DEEP DRAWING (METALWORK)

Analyzing the drawing process with preheating of the flange. E. A. Popov. Kuz.-shtam. proizv. 5 no. 8:19-21 Ag '63.

Developing an efficient design of ZIL cooler parts. IU. P. Kazakov, V. V. Serep'ev. Kuz.-shtam. proizv. 5 no. 8:21-23 Ag '63.

DEEP BREEDING see subdivision under Yakutia

DEFECATION

Rectal interoceptors and their significance in the act of defecation in chronic colitis. A. G. Saakian, I. S. Nanaziashvili. Terap. arkh. 35 no. 1:65-70 Ja '63.

DEFENSE (CRIMINAL PROCEDURE)

Defense of juvenile delinquents. I. Vladimirov. Sov. iust. no. 12:16-18 Je '63.

How a defense counsel should study the case. S. IAstrubetskii. Sov. iust. no. 14:19 Jl '63.

The struggle for man. O. Moiseev. Sov. iust. no. 12: 22-23 Je '63.

DEFICIENCY DISEASES IN SHEEP see subdivision under Yaroslavl Province

DEFORMATIONS (MECHANICS)

Calculating the deformations of crank-toggle presses. S. T. Baskakov, V. IA. Kunakovskii [Nauch. trudy] ENIKMASha 6 33-46 '63

Change in the heat conductivity of cubic crystals due to deformation. I. A. Smirnov, B. IA. Moizhes. Fiz. tver. tela 5 no. 7:1958-1969 Jl '63.

Condition for the deformation of a rigid-plastic body in a single plane involving the detachment of a chip V. I. Sadchikov PMTF no. 3:105-107 My-Je '63.

Deformability of a lime-silica mortar and autoclaved concrete under momentary impact A. V. Sotalkin, P. G. Komokhov. Sbor. trud. LIIZHT no. 181:31-44 '62.

Deformation of two-phase alloys V. A. Likhachev, K. P. Assur Fiz. met. i metalloved. 16 no. 1 97-101 Jl '63

Determination of the compression diagram for low carbon steel in the region of elastoplastic deformations. IU. S. Stepanov. PMTF no. 3:115-121 My-Je '63.

Determining elastic deformations of tools during metalworking by pressure. Report No. 2. S. P. Karpov, P. I. Polukhin Izv. vys. ucheb. zav., chern. met. 6 no. 7 128-132 '63.

Determining reductions in an instantaneous deformation area during hot pilgrim rolling of pipe IU. F. Shevakin, V. N. Matveev, V. I. Lindenbaum. Izv. vys. ucheb. zav., chern. met. 6 no. 7 122-127 '63.

Effect of plastic deformation, caused by high-frequency vibrations, on internal friction and Young's modulus in alkali metal halide crystals. E. P. Belozerova. Fiz. tver. tela 5 no. 7 2025-2027 Jl '63

Effect of preliminary plastic deformations on the brittle strength of steel at 1.20°K O. V. Klyavin, B. I. Smirnov Fiz. met. i metalloved. 16 no. 1 131-136 Jl '63

Effect of wetting the surfaces of ionic crystals on the selection of one of the equivalent dodecahedral glide systems during linear deformation of specimens. V. P. Bobrikov. Uch. zap. Ped. inst. Gertz. 197, 126-129 '58.

Establishing thermomechanical conditions for plastic deformation and the forming of metals. L. A. Rabinovich. Kuz.-shtam. proizv. 5 no. 5:1-5 My '63.

Hardening austenitic steels by cold plastic deformation. I. N. Bogachev, S. B. Rozhkova. Izv. vys. ucheb. zav., chern. met. 6 no. 7:162-168 '63.

Investigating the flow rate area of a metal during rolling on large cogging mills. I. IA. Tarnovskii and others. Izv. vys. ucheb. zav., chern. met. 6 no. 7:96-105 '63

Irregularities of deformation during rolling in T-beam grooves. T. I. Vlasov Izv. vys. ucheb. zav.; chern. met. 6 no. 7 117-121 '63

Measurement of deformations on the bases of less than 3 mm G. M. Kupershtiak-Ufimtsev. Zav. lab. 29 no. 8, 993 '63.

Microscopy of the slip band development in copper during fatigue tests Part 1 N. E. Potekhin, IU. S. Tsirulnikov. Fiz. met. i metalloved. 16 no. 1 102-105 Jl '63

Plastic flow of a hardener material in a multiangular strip. Report No. 2. G. IA. Gun, P. I. Polukhin. Izv. vys. ucheb. zav., chern. met. 6 no. 7:90-95 '63.

Revealing flow lines in the deformation of highly resistant aluminum alloys. A. T. Zakharov. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3:147-148 '63.

Stability of axisymmetric deformations of spherical shells under axisymmetric load. A. V. Pogorelov. Dokl. AN SSSR 151 no. 5.1053-1055 Ag '63.

Stability with respect to plastic deformations of a cylindrical shell subject to axial compression G. V. Ivanov. PMTF no. 3:111-116 My-Je '63.

DEGRADATION (CHEMISTRY)

Thermal and thermal oxidation degradation of polyformaldehyde. Part 1: Order of the thermal degradation reaction [with summary in English]. L. A. Dudina, N. S. Enikolopian. Vysokom. soed. 5 no. 6:861-867 Je '63.

Thermal and thermal oxidative degradation of polyformaldehyde. Part 2 Temperature dependence of the thermal decomposition rate [with summary in English]. L. A. Dudina, N. S. Enikolopian. Vysokom. soed. 5 no. 7:986-993 Jl '63.

Thermal and thermal oxidative degradation of polyformaldehyde Part 3: Chain transfer reaction in the thermal oxidative degradation [with summary in English]. L. A. Dudina, N. S. Enikolopian. Vysokom. soed. 5 no. 8 1135-1139 Ag '63.

Thermal and thermal oxidative degradation of polyformaldehyde. Part 4. Kinetics of thermal oxidative degradation [with summary in English]. L. A. Dubina, L. V. Karmilova, N. S. Enikolopian. Vysokom. soed. 5 no. 8, 1160-1164 Ag '63.

Thermal and thermal oxidative degradation of polyformaldehyde, Part 5: Role of formic acid in thermal oxidative degradation [with summary in English]. L. A. Dudina and others. Vysokom. soed. 5 no. 8:1245-1249 Ag '63.

DEHYDRATION (CHEMISTRY)

High-temperature attachment to the URS-50I diffractometer for the study of the dehydration of asbestos cement and its component minerals. O. S. Volkov, L. S. Zevin, D. M. Kheiker. Trudy NIIAsbestcementa no. 11:84-90 '61.

Study of the dehydration of synthetic hydrosilicates, hydroaluminates, and sulfohydroaluminates of calcium D. M. Kheiker, A. I. Zaikind. Trudy NIIAsbestcementa no. 11 3-41 '61

DEHYDROGENASES

Effect of dendrodochin on general reducing activity and the activity of specific dehydrogenases in the organs and tissues of a rabbit [with summary in English]. IU. R. Malashenko. Mikrobiol. zhur. 25 no. 4 10-15 '63

Lipids of the dehydrogenase preparation from the cytoplasmic membranes of Micrococcus lysodeicticus. A. I. Oparin and others. Dokl. AN SSSR 152 no. 1 228-230 S '63.

DEHYDROGENATION

Calculation of equilibrium for the reactions of dehydrogenation of n-butane, n-butenes, and their mixtures to 1, 3-butadiene M. I. Bogdanov. Neftekhimiia 3 no. 4 314-319 My-Je '63

Catalytic dehydrogenation of isomeric isopentenes. Report No. 2. Dehydrogenation of 2-methyl-1-butene and 3-methyl-1-butene A. P. Shcheglova, O. K. Bogdanova, A. A. Balandin. Izv. AN SSSR, Ser. khim. no. 7, 1219-1225 Jl '63

Dehydrogenation and hydrogenolysis of cyclohexane on Ru/SiO_2 catalyst. F. B. Gonelin, A. A. Balandin, T. A. Slovokhotova. Izv. AN SSSR, Ser. khim. no. 7 1203-1210 Jl '63.

Dehydrogenation of methylcyclohexane on alumina-chromia and alumina-molybdenum oxide catalysts IU. N. Usov, E. V. Skvortsova, G. G. Khokhlova. Neftekhimiia 3 no. 3 320-325 My-Je '63

Mixed adsorption catalysts of dehydrogenation. Report No. 1 Pd/SiO_2 as a catalyst of cyclohexane dehydrogenation A. A. Alchudzhan, M. A. Mantikian, A. M. Arkazian. Izv. AN Arm. SSR khim. nauki 16 no. 1 30-34 '63

Mixed adsorption catalysts of dehydrogenation. Report No. 2 Pd-Ag/SiO as a catalyst of cyclohexane dehydrogenation A. A. Alchudzhan, M. A. Mantikian, A. M. Arkazian Izv. AN Arm. SSR, khim. nauki 16 no. 1 18-25 '63

DELAY LINES

Shaping of multilobe radiation patterns using modulated delay structures. A. I. Gudzenko. Izv. vys. ucheb. zav., radiotekh. 6 no. 3, 315-316 My-Je '63.

DELEGATED LEGISLATION

Legislative functions of public-service organizations in the course of their participation in governmental administration. M. T. Baimakhanov. Sov. gos. i pravo 33 no. 9, 94-101 S '63.

The nature of legal rules enacted by public-service organizations. V. M. Korel'skii. Sov. gos. i pravo 33 no. 9:101-104 S '63.

DELINQUENT WOMEN

(see also subdivision under Great Britain)

We should reassure these women A. Safonov, A. Nezlvetskii. Sots. zakon. 10 no. 7 13-14 Jl '63

DELIVERY OF GOODS see subdivision under Lvov

DELIVERY OF GOODS (LAW)

Decisions of arbitration agencies. Sots. zakon. 10 no. 7-58 Jl '63

Decisions of arbitration agencies. Sov. iust. no. 9:32 My '63.

Decisions of arbitration agencies. Sov. iust. no. 12 31 Je '63.

[Akovleva, V. F. [Cooperative deliveries in the industry of the U. S. S. R.] Kooperirovannye postavki v promyshlennosti SSSR Moskva, Gosturizdat, 1963. 103 p.

Improving the legal regulation of industrial procurement. Z. G. Krylova. Sov. gos. i pravo 33 no. 9, 72-78 S '63.

Soviet police, public prosecutors, and arbitration agencies should coordinate their struggle against the pilfering of delivered goods. N. Abramov. Sots. zakon. 10 no. 6 28-31 Je '63.

DEMENTIA

Atherosclerotic dementia. IU. E. Rakhal'skii. Trudy 1-go MMI 21:95-100 '63.

Pathomorphological changes in the brain in atherosclerotic dementia with no insultus in the course of the clinical picture. P. B. Kazakova. Trudy 1-go MMI 21: 430-452 '63.

DEMIDENKO, BORIS GERASIMOVICH

A great sorgo breeder. D. Meksin. Vest. sel'khoz. nauki 8 no. 4:149-151 Ap '63.

DEMOCRACY

Schumpeter's theory of the "self-destruction of capitalism" is a tool of bourgeois apologetics. R. Rivkin. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 5:73-83 '63.

DENAU DISTRICT—SCULPTURE, ANCIENT

Khalchayan Athena. G. A. Pugachenkova. Vest. drev. ist. no. 2:155-166 '63.

DENDRODOCHIN

Effect of dendrodochin on general reducing activity and the activity of specific dehydrogenases in the organs and tissues of a rabbit [with summary in English] IU. R. Malashenko Mikrobiol zhur 25 no. 4:10-15 '64.

DENMARK—COMMUNIST PARTY

Some problems concerning the international role of the historical experience of the CPSU Ib Norlund Vop ist KPSS 7 no 9 58-68 S '63

DENMARK—COMMUNIST PARTY—CONGRESSES

Danmarks Kommunistiske parti. 21st Congress, Copenhagen, 1962 [Twenty-first Congress of the Communist Party of Denmark, Copenhagen, May 31 - June 3, 1962] XXI s"ezd Kommunisticheskoi partii Danii, Kopengagen, 31 maia-3 iiunia 1962 g Moskva, Gospolitizdat, 1963. 111 p (Dokumenty i materialy zarubezhnykh kommunisticheskikh i rabochikh partii) (CSt-H)

DENMARK—DESCRIPTION AND TRAVEL

The "country of 500 islands," V. Golubovskii, S. Kon'kova. Mol. komm no 7:103-108 Jl '63.

DENMARK—FOREIGN RELATIONS—RUSSIA

Niels Bohr on scientific cooperation with Soviet scientists. M. Lebedenko. Usp. fiz. nauk 80 no 2 251-254 Je '63.

DENMARK—MARITIME LAW

Decisions of Danish courts and arbitration agencies. Inform. sbor. TSNIIMF no. 56. Mor. pravo i prak. no. 11 58-60 '60.

Decisions of U.S. courts and arbitration agencies. Inform. sbor. TSNIIMF no. 56. Mor. pravo i prak. no. 11: 57-58 '60.

DENMARK—YOUTH

The "country of 500 islands." V. Golubovskii, S. Kon'kova. Mol. komm. no. 7, 103-108 Jl '63.

DENTAL PROSTHESIS—ATLASES

Kurilandskii, V.IU. [Dental prosthesis, an atlas] Zubnoe protezirovanie, atlas Moskva, Izdatel'skoe biuro tresta Meduchposobie (Ortopedicheskaia stomatologiia)
Vol. 1. 1963 286 p
(DNLM)

DEODORIZATION

Continuous deodorization in a circulating flow V. Kozc. Maal.-zhir. prom. 29 no. 7 44-46 Jl '63

DEPARTMENT STORES see subdivision under Moscow

DEPRECIATION

Methods of accelerated amortization in capitalist countries. V. Budavei, E. Kazinskii. Vest. stat. no. 8:49-60 '63.

Obsolescence of capital assets; based on the materials of the agricultural machinery plants of Uzbekistan. G. G. Gabzalilov. Nauch. zap. Tashk. fin.-ekon. inst. no. 14:38-52 '61.

Problems of the theory of amortization. A. Dodonov. Vop. ekon. no. 8 117-128 Ag '63.

DEPRESSION, MENTAL

Structure and characteristics of depressive states in vascular (atherosclerotic) and presenile psychoses G. M. Molchanov. Trudy 1-go MMI 21:227-240 '63.

DERMATOLOGY

Zheltakov, M. M., IU. K. Skripkin, and B. A. Somov. [Electronarcosis and hypnosis in dermatology] Elektrosn i gipnoz v dermatologii. Moskva, Medgiz, 1963. 307 p.
(DNLM)

DERMATOMYCOSIS

Treatment of superficial yeast lesions of the skin with sodium caprilate ointment, I. I. Pototskii and others. Vrach. delo no. 8:135-137 Ag '63.

DERNOVKA (KIEV PROVINCE)—HISTORY

From the history of the village of Dernovka. V. S. Kostenko. Ukr. ist. zhur. 6 no. 3, 102-103 My-Je '63.

DESCRIPTIVE GEOMETRY see Geometry, Descriptive

DESERT FLORA see subdivision under Kazakhstan

DESERTION AND NONSUPPORT

A disgraceful attitude toward his own mother. A. Dulevich. Rab. i stal. 39 no. 8, 17 Ag '63.

It's time to take effective measures. T. Sazonenko. Sov. just. no. 14:31 Jl '63.

DESERTS see subdivision under China; Turkmenistan; United Arab Republic

DESORPTION

Desorption of potassium from tungsten in an electric field. A. G. Naumovets. Fiz. tver. tela 5 no. 8:2294-2302 Ag '63.

Kinetics of desorption of boron trifluoride from some of its complex compounds. A. V. Makarov, G. M. Panchenkov. Vest. Mosk. un. Ser. 2 Khim. 18 no 4 46-49 Jl-Ag '63.

DESULFURATION

Decontamination of waste waters from arsenic-soda desulfuration with the recovery of salts. E. D. Grudskii. Koks i khim. no. 8:47-50 '63.

Desulfurition of open-hearth steel by liquid synthetic slag E. S. Kalinnikov. Izv. vys. ucheb. zav., chern. met. 6 no. 7 65-69 '63.

Sulfur oxidation in the acid converter process. A. Loore, G. N. Oits. Izv. vys. ucheb. zav.; chern. met. 6 no. 7: 70-75 '63.

Sulfur removal in the coking process. A. N. Pokhvisnev, A. N. Spektor, IU. S. IUsfin. Izv. vys. ucheb. zav., chern. met. 6 no. 7, 33-38 '63

DETECTIVE AND MYSTERY STORIES

What's lacking in the detective genre? A. Dinchich. Zvezda no. 6 210-212 Je '62.

DETONATION

Detonation waves in gases. R. I. Soloukhin. Usp. fiz. nauk 80 no. 4 525-551 Ag '63.

Pressure measurement in a transverse spin wave V. V. Mitrofanov, V. A. Subbotin, M. E. Topchiian PMTF no. 3:45-48 My-Je '63.

DEUTERIUM

Surface tension in deuterium [with summary in English] V. N. Grigor'ev. Zhur. eksp. i teor. fiz. 45 no 2:98-100 Ag '63.

DEUTERIUM COMPOUNDS

Synthesis of deuterio-substituted organolithium compounds. T. V. Talalaeva, A. N. Rodionov, K. A. Kocheshkov. Dokl. AN SSSR 152 no. 1, 122-123 S '63.

DEUTERONS

Use of the diagram summation method in studying the reaction of deuteron disintegration by nucleons [with summary in English]. V. V. Komarov, A. M. Popova Zhur. eksp. i teor. fiz. 45 no. 2:214-227 Ag '63

DEUTERONS—SCATTERING

Polarization of elastically scattered 5.5 Mev deuterons [with summary in English] IU. A. Nemilov, L. A. Poledonostsev. Zhur. eksp. i teor. fiz. 45 no 2, 103-106 Ag '63.

DIABASE see subdivision under Timan Ridge

DIABETES

Diabetes and the dietetic treatment of this disease P. D. Leshchenko. Ukraina no 19 3 Ag '63.

State of the adrenal cortex in diabetes mellitus. S. G. Genes. Terap. arkh 35 no 1:3-11 Ja '63

DIAGNOSIS

Use of transluminometry in the diagnosis of highmoritis. E. N. Mazovetskii. Vest. otorin no. 1 50-51 '63.

DIAGNOSIS, CYTOLOGIC

Burgman, G. P. [Cytology of the cerebrospinal fluid in brain tumors] TSitologiia spinnomozgovoi zhidkosti pri opukholiakh mozga. Moskva, Medgiz, 1963 179 p
(DNLM)

Significance of the clinical microscopic method in the diagnosis of actinomycosis. M. V. Tarkhanova. Vrach. delo no. 8:130-132 Ag '63.

DIAGNOSIS, DIFFERENTIAL

Biochemical principles and the differential diagnosis of primary cataracts [with summary in English]. M. IA. Fradkin, and others. Uch. zap. GNII glaz. bol. no. 8: 7-12 '63.

Clinical evaluation of the determination of ether-soluble bilirubin for differential diagnosis in jaundices of various etiology. E. D. Polumordvinova, M. P. Sedlovets, T. M. Guseva Kaz. med. zhur no 3 85-86 My-Je '63

Differential diagnosis of atrophic and vascular diseases of the brain. B. M. Bul'fovich. Trudy 1-go MMI 21: 285-292 '63.

Differential diagnosis of chronic hematogenic disseminated pulmonary tuberculosis [with summary in French]. O. N Voskresenskii. Probl tub. no. 8:30-36 '62.

Differential diagnosis of vascular (atherosclerotic) disorders and presenile psychoses. G. M. Molchanov. Trudy 1-go MMI 21:241-260 '63.

Differential diagnosis of Werlhof's disease and aplastic anemia in children. O. S. Svieshnikova. Ped., akush i gin. 25 no. 2:21-23 '63.

Errors in the differential diagnosis between a vascular lesion and a tumor of the brain. V. K. Skobnikova. Trudy 1-go MMI 21:471-483 '63.

Limited organic inflammatory foci and their differential diagnosis in distinguishing them from bronchial cancer [with summary in English]. A. G. Baranova, IU. V. Chermenskii. Vop. onk. 9 no. 2:48-53 '63

DIAGNOSIS, FLUOROSCOPIC
(see also subdivision under Voru District)

Headholder for large-film fluorography of the accessory nasal sinuses. V. A. Novikov, S. I. Avdonin. Vest. rent. i rad. 38 no. 2:57-58 Mr-Ap '63.

DIAGNOSIS, RADIOSCOPIC

Mikhailovskii, B. G. [X-ray diagnosis of spinal diseases] Rentgenodiagnostika zabolevanii pozvonochnika Moskva, Medgiz, 1963 259 p
(DNLM)

Technical methods of radiometry in radiodiagnosis. E. IU. Fishkind Nov. med. tekh no. 4 48 51 '61.

Use of diagnostic pneumoperitoneum in a discrepantic clinic [with summary in English] B. M. Astapov. Terap arkh. 35 no 1 50-56 Ja '63

X-ray diagnosis of foreign bodies in the crystalline lens [with summary in English]. F. S. Voinushkin. Uch. zap. GNII glaz. bol no. 8:11-18 '63

DIAGNOSIS, RADIOSCOPIC—TERMINOLOGY

Work in standardization of terminology in the field of roentgen diagnosis. E. A. Likhtenshtein. Vest. rent i rad. 38 no. 2 42-47 Mr-Ap '63.

DIALECTIC

Kalandarishvili, G. M. [Dialectic in the "Basic principles of the general theory of science" by J. G. Fichte] Dialektika v "Osnovakh obshchego naukoucheniia" I. G. Fikhte Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 67 p.

DIALECTICAL MATERIALISM

Akademiia nauk SSSR Nauchnyi sovet po filosofskim voprosam estestvoznaniia [Dialectical materialism and present-day natural sciences] Dialekticheskii materializm i sovremennoe estestvoznanie, Moskva,
[Vol 1.] Kedrov, B. M. [Object and interrelationship of the natural sciences] Predmet i vzaimosviaz' estestvennykh nauk 1962.
(MH)

Arefeva, G. S., and E. N. Lysmankin. [Classes and class struggle] Klassy i klassovaia bor'ba. Moskva, Gospolitizdat, 1963 41 p (Metodicheskie sovety po filosofii)

The correlation of contradictions and of quantitative and qualitative changes. V. Mel'nikov Nauch. trab. i spets. Otd. obshchestv. nauk AN U. SSR 5:272-280 '62

Inculcating the dialectico-materialistic philosophical tendencies during chemistry lessons T. M. Perepelova Khim. v shkole 18 no. 1 55-61 My-Je '63

Korchyns'ka, Halyna. [Three or four laws of dialectical materialism] Try abo chetyry zakony dialektyky. Munich, In-t dlia vyvchennia SSSR, 1956. 45 p
(IaU)

Leningrad. Universitet. [Characteristics action of the laws of dialectics during the transition period to communism] Osobennosti deistvila zakonov dialektiki v period perekhoda k kommunizmu [Leningrad] Izd-vo Leningr. univ., 1963 122 p

Objective nature of the dialectical unity of essence and phenomena in the interpretation of materialist dialectics. V. S. Nikitchenko. Nauch. trudy TashGU no. 207:109-130 '62.

Philosophy and genetics; about G. V. Platonov's book "Dialectical materialism and the problems of genetics." V. G. Novak Bad. v shkole no. 1 89-91 Ja-Ag '63.

Scientific conception of the world and neopositivism. G. A. Kursanov. Vest. AN SSSR 33 no. 9:49-58 S '63.

TSaregorodtsev, G. I. [Dialectical materialism and medicine] Dialekticheskii materializm i meditsina Moskva, Medgiz, 1963. 431 p

Vardapetian, K. P. [Some basic problems of Marxist-Leninist gnosiology] O nekotorykh osnovnykh voprosakh marksistsko-leninskoi gnoseologii. Ercvan, Izd-vo Erevanskogo gos. univ., 1963 330 p.
(MH)

DIAMONDS
(see also subdivision under Angara Valley; Vilyui Valley)

Diamonds in stone meteorites [with summary in English] A. P. Vinogradov, G. P. Vdovykin Geokhimiia no. 8 715-720 Ag '63

DIAMONDS, INDUSTRIAL see subdivision under Japan

DIAPHRAGM—HERNIA

X-ray diagnosis of hiatal hernia of the small intestine M. E. Astapova Sov. zdravookh. no 3:57-58 My-Je '63

DIATOMS see subdivision under Baikal, Lake; Indian Ocean; Lakhtinskiy region

DIAZONIUM COMPOUNDS—ABSORPTION SPECTRA

Correlation of the frequencies and intensities of infrared absorption bands for diazonium salts X - $C_6H_4N_2Cl$ with the constants of the substituent. L. A. Kazitsyna and others. Dokl. AN SSSR 151 no. 3:573-576 Jl '63.

DIBORANE

Polycondensation of 1, 2-diphenyldiborane with diamines. V. V. Korshak, V. A. Zamiatina, N. I. Bekasova. Izv. AN SSSR, Ser. khim. no. 9, 1649-1651 S '63.

Reaction of 1, 2-diphenyldiborane with amines and organoborodiamines. V. V. Korshak and others. Izv. AN SSSR, Ser. khim. no. 9:1645-1648 S '63.

DICHROMATES

Determination of chromate and dichromate simultaneously. IU. V. Khodakov, T. M. Zhuravleva, V. V. Mil'chenko Zav. lab. 29 no. 8:928 '63.

DICKENS, CHARLES, 1812-1870

Russian "Dickensiana," M. N. Alekseeva. Sov. bibl. no. 3:81-83 '63.

DICKSON ISLAND REGION—HISTORY, NAVAL

Defense of Dickson Harbor in August 1942. M. I. Belov. Probl. Arkt. i Antarkt. no. 13 89-95 '63.

DICTIONARIES, POLYGLOT

[Terminology of founding in six languages: English, Czech, German, French, Polish, Russian] Slovnik terminov po liteinomu proizvodstvu na 6 iazykakh: angliiskii, cheshskii, nemetskii, frantsuzskii, pol'skii, russkii. Warsaw, Wydawnictwa naukowo-techniczne, [1963] 306 p.

DIE CASTING—EQUIPMENT AND SUPPLIES

Double pneumatic pressing head for die-casting machines. E. G. Lipatov. Prib. i instrumenta no. 7:22-23 Jl '63.

DIELECTRICS

Fourth International Conference on the Breakdown of Dielectrics and Semiconductors. V. T. Reme. Elektrichestvo 7 94-95 Jl '63.

Measurement of the energy of a spark discharge in solid dielectrics using an oscillograph. V. I. Olukhov. Izv. vys. ucheb. zav., energ. 6 no. 8 28-33 Ag '63.

Symposium on ferromagnetism and ferroelectricity at Leningrad. K. P. Belov, L. A. Shuvalov. Vest. AN SSSR 33 no. 9, 82-84 S '63.

Temperature and frequency dependencies of the dielectric losses of styrene methacrylate and styrene-methyl vinyl ketone copolymers. Part 1 [with summary in English]. G. P. Mikhailov, L. V. Krasner. Vysokom. soed. 5 no. 7 1085-1090 Jl '63.

Use of dispersive dielectrics in the capacitive elements of the lower frequencies of microwave filters. D. B. Khaliapin. Radiotekh. i elektron. 8 no. 9 1639-1641 S '63.

DIELECTRICS, EFFECT OF RADIATION ON

Dielectric properties of KBr single crystals irradiated by fast electrons. V. V. Krasnopevtsev. Fiz. tver. tela 5 no. 8 2261-2269 Ag '63.

DIENCEPHALON—DISEASES

Hereditary angioneurotic edema with diencephalic crises. A. D. Drobinskii, G. I. Dolina. Vrach. delo no. 8, 142-143 Ag '63.

State of the peripheral blood circulation in diencephalic syndromes of different etiology. R. L. Kazakevich, F. B. Gluzman. Vrach. delo no. 8, 139-141 Ag '63.

DIES (METALWORKING)

Determining elastic deformations of tools during metalworking by pressure. Report No. 2. S. P. Karpov, P. I. Polukhin. Izv. vys. ucheb. zav.; chern. met. 6 no. 7:128-132 '63

Determining the effective parameters of dies with hard alloy inserts. A. N. Gladkikh. Stal' 23 no. 8 762-765 Ag '63.

Die for the simultaneous cutting of three different blanks. A. IA. Bel'chenko. Kuz.-shtam. proizv. 5 no. 7, 36-37 Jl '63.

Dies for the bending of sheet steel parts. N. S. Skliarov. Kuz.-shtam. proizv. 5 no. 8:46-47 Ag '63.

Machining punches for the blanking of rotor and stator iron. B. M. Malkin. Kuz.-shtam. proizv. 5 no. 5: 11-14 My '63.

Plastic dies. S. I. Efremov. Mashinostroitel' no. 7:17-18 Jl '63.

DIES (METALWORKING)—MAINTENANCE AND REPAIR

Heat treatment during the reconditioning of hammer dies. L. D. Demidov. Kuz.-shtam. proizv. 5 no. 5: 6-8 My '63.

DIESEL ELECTRIC POWER PLANTS

Lovin, M. I. [Automation of diesel electric-power plants; standard technology and devices] Avtomatizatsiia dizel'-generatornykh ustanovok; tipovaia tekhnologiia i unifitsirovannye sredstva. Moskva, Mashgiz, 1963. 164 p.

DIESEL ENGINES
(see also subdivision under Leningrad)

Calculation and choice of the circuit of a supercharged diesel engine with constant gas pressure before the turbine. A. A. Toropov, V. F. Makivchuk. Energomashinostroenie 9 no. 6:18-20 Je '63.

First Soviet diesel train "Baltika." P. V. IAkobson, R. P. Titova. Zhel. dor. transp. 45 no. 9:85-86 S '63.

Lazarev, A. A., I. IA. Rozet, and V. I. Efimov. [KDM-100 engine; its design and operation] Dvigatel' KDM-100; ustroistvo i ekspluatatsiia. Izd. 2. Moskva, Mashgiz, 1963. 257 p.

Regulator of the angular velocity of the shaft of the 2D100 diesel. S. N. Kroshka. Elek. i tepl. tiaga 7 no. 6:19-20 Je '63.

Trends in the development of diesel engines abroad. L. V. Vasin. Energomashinostroenie 9 no. 6:43-46 Je '63.

DIESEL ENGINES—FUEL SYSTEMS

Soiling of the fuel filters of TEM1 diesel locomotives. M. M. Entenzon. Elek. i tepl. tiaga no. 7:9 Jl '63.

DIESEL ENGINES—MAINTENANCE AND REPAIR

Mikhailin, G. I. [Manual for the repair and assembly of stationary diesel engines] Spravochnik mastera po remontu i montazhu statsionarnykh dizelei. Moskva, Mashgiz, 1963. 247 p.

Verbuk, R. M., and others. [Dismantling, assembly and repair of SMD engines] Razborka, sborka i remont dvigatelei SMD. Moskva, Sel'khozizdat, 1963. 174 p.

DIESEL ENGINES—NOISE

Reducing combustion noise in diesel engines. V. N. Lukanin. Avt. prom. 29 no. 9:5-8 S '63.

DIESEL ENGINES—STANDARDS

Diesel engines. V. L. Motozov. Standartizatsiia 27 no. 7:46 Jl '63.

DIESEL FUELS

Experience in the use of crude oil for diesel locomotive engines. I. P. Ugarov. Elek. i tepl. tiaga no. 7:47 Jl '63.

DIESEL LOCOMOTIVES

Achieving a high operative efficiency of diesel locomotives. B. N. Leonovich, I. S. Kalaida. Zhel. dor. transp. 45 no. 8:65-69 Ag '63.

Electrical network of a three-shaft D-series diesel train. B. M. Lemeri, V. P. Lebedev. Elek. i tepl. tiaga 7 no. 6 21-27 Je '63.

Factory modernization of the TGM1 switcher diesel locomotive. IU. S. Bibikov. Elek. i tepl. tiaga no. 7:24-27 Jl '63.

Faults occuring during the start of the engine of the VME1 diesel switch locomotive. V. I. Prokof'ev. Elek. i tepl. tiaga 7 no. 6:33-34 Je '63.

Good maintenance of locomotives is the basis for their operational efficiency. V. N. Larin. Elek. i tepl. tiaga 7 no. 6 14-15 Je '63.

Improvement of M753 and M756 diesel locomotive engines. A. P. Kalmykov, M. S. Makarov. Elek. i tepl. tiaga 7 no. 6:10-11 Je '63.

Load compensator of an electric-diesel unit. A. Shil'har, L. Rzhezhabek. Elek. i tepl. tiaga no. 7:45 Jl '63.

Main line diesel locomotives of the U.S.S.R. Zhel. dor. transp. 45 no. 7, 41-44 Jl '63.

Persistently strive to improve the TE3 diesel locomotive. P. M. Chodnichenko. Elek. i tepl. tiaga 7 no. 6:7 Je '63.

Some advice on the operation of the TE3 diesel locomotive. M. N. Bratukhin. Elek. i tepl. tiaga no. 8:33-34 Ag '63.

Stekhin, P. S., and V. D. Kolesnikov. [Mechanization and automation of the assembly and welding operations in the manufacture of diesel locomotives] Mekhanizatsiia i avtomatizatsiia sborochno-svarochnykh rabot v teplovozostroenii. Moskva, Mashgiz, 1963. 125 p.

Use of gas fuel for the operation of diesel locomotives. N. V. Lavrov and others. Zhel. dor. transp. 45 no. 8: 43-46 Ag '63.

Zhilin, G. A., and others. [The TEP60 diesel locomotive for passenger trains] Passazhirskii teplovoz TEP60. Moskva, Transzheldorizdat, 1963. 222 p.

DIESEL LOCOMOTIVES—COOLING

High-temperature cooling of diesel locomotive engines. N. A. Fufrianskii, A. A. Poida, P. M. Fgunov. Elek. i tepl. tiaga no. 8:42-44 Ag '63.

Improved fan drive of a cooling unit. N. I. Shadevskii. Elek. i tepl. tiaga 7 no. 6:18 Je '63.

DIESEL LOCOMOTIVES—ELECTRIC EQUIPMENT

Russia (1923- U. S. S. R.) Glavnoe upravlenie lokomotivnogo khoziaistva. [Album of drawings of TE3, TE7, TE2, TE1, TEM1, and TU2 diesel locomotives; electric apparatus] Al'bom chertezhei teplovozov TE3, TE7, TE2, TE1, TEM1 i TU2; elektricheskie apparaty. Moskva, Transzheldorizdat.
Vol. 2. 1963. 394 p.

DIESEL LOCOMOTIVES—FUEL SYSTEMS

Efficient method for checking the oil system of type M753 diesel locomotive. V. M. Gudkov. Elek. i tepl. tiaga no. 8:24 Ag '63.

DIESEL LOCOMOTIVES—INSPECTION

Method for checking the control circuits of TE3 diesel locomotives. O. N. Kurzanov. Elek. i tepl. tiaga no. 7: 29-30 Jl '63.

DIESEL LOCOMOTIVES—MAINTENANCE AND REPAIR

Efficient device. IU. S. Suvorov. Elek. i tepl. tiaga no. 8:12 Ag '63.

Improving the technology for the assembly of the piston and connecting rod block of the 2D100 diesel locomotive. M. D. Rakhmatulin, G. G. Medvedev. Elek. i tepl. tiaga no. 8:10-12 Ag '63.

Reconditioning of the high-pressure fuel pipes. B. V. Kovanev. Elek. i tepl. tiaga no. 8:17 Ag '63.

Simplified stationary system for washing diesel locomotives. V. A. Generalov. Elek. i tepl. tiaga no. 7:7-8 Jl '63.

Use of an epoxy paste in the repair of cylinder blocks. O. N. Bedenskii. Elek. i tepl. tiaga 7 no. 6:11 Je '63.

Use of epoxy resins in the repair of diesel locomotives. A. F. Generalov. Elek. i tepl. tiaga no. 8:6-7 Ag '63.

DIESEL LOCOMOTIVES—TESTING

What causes the uneven power distribution between the crankshafts of the 2D100 diesel locomotive? R. A. Nasyrov. Elek. i tepl. tiaga no. 7:32-34 Jl '63.

DIESEL LOCOMOTIVES—VENTILATION

Modified design of the fan drive of the TE1 diesel locomotive. IU. Z. Perel'man, R. P. Ostika, IU. V. Rovenskii. Elek. i tepl. tiaga no. 7:10 Jl '63.

DIESEL LOCOMOTIVES—VIBRATION

Torque vibrations of diesel shafts. A. N. Gurevich. Elek. i tepl. tiaga no. 8 37-39 Ag '63.

DIETHYLAMINE

Action of diethylamine on polychlorofluoropropenes of $ClH_2C-CXCF_2Cl_2$-n type. T. T. Vasil'eva, V. N. Kost. Izv. AN SSSR, Ser. khim. no. 9:1587-1591 S '63.

DIFFERENTIAL CALCULUS see Calculus, Differential

DIFFERENTIAL DIAGNOSIS see Diagnosis, Differential

DIFFERENTIAL EQUATIONS

Behavior in the large of solutions to high-order differential equations. A. M. Krasnodembskii. Ukr. mat. zhur. 15 no. 2 205-213 '63.

Cauchy problem for S. L. Sobolev's equation. S. A. Gal'pern. Sib. mat. zhur. 4 no. 4:758-774 Jl-Ag '63.

A class of nonlinear solutions of a kinetic equation without allowance for the collisions integral. F. M. Nekrasov. Zhur. tekh. fiz. 33 no. 7:769-775 Jl '63.

Conditions of uniqueness and estimations of the solution to the Dirichlet problem [with summary in English]. A. D. Aleksandrov. Vest. LGU 18 no. 13 5-29 '63.

Convergence of difference schemes. L. I. IAkut. Dokl. AN SSSR 151 no. 1:76-79 Jl '63.

Differential equations having a many-valued discontinuous right-hand side. A. F. Filippov. Dokl. AN SSSR 151 no. 1:65-68 Jl '63

Eigenvalue problems for second-order equations in the case of nonlinear dependence on the parameter λ. IU. N. Dnestrovskii, D. P. Kostomarov. Dokl. AN SSSR 152 no. 1:26-30 S '63.

Existence and asymptotic behavior of the solution to the Cauchy problem for a first-order differential equation with a small parameter in Banach space. V. A. Trenogin. Dokl. AN SSSR 152 no. 1:63-66 S '63.

First and second boundary value problems of elliptic equations degenerating in a finite number of interior points. A. I. Achil'diev. Dokl. AN SSSR 152 no. 1:13-16 S '63.

General formulation of problems involving relaxation processes in gases with internal degrees of freedom (with summary in English). S. V. Vallander, E. A. Nagnibeda. Vest. LGU 18 no. 13:77-81 '63.

High-order kinetic equations of a rank larger than zero. I. S. Arzhanykh. Sbor. nauch.-issl. rab. TTI no. 15:17-20 '62.

Invariant group solutions to the equations of a spatial stationary beam of charged particles. V. A. Syrovoi. PMTF no. 3:26-35 My-Je '63.

Maggi's equations in the mechanics of systems of variable mass. G. I. Boldinskii, A. I. Zel'tin. Sbor. nauch.-issl. rab. TTI no. 15:173-178 '62.

Mikhailov, L. G. [New class of singular integral equations and its applications to differential equations with singular coefficients] Novyi klass osobykh integral'nykh uravnenii i ego primeneniia k differentsial'nym uravneniiam s singuliarnymi koeffitsientami. Dushanbe, 1963. 182 p. (Akademiia nauk Tadzhikskoi SSR. Otdel fiziki i matematiki. Trudy, vol. 1)

Nonstationary processes in an essentially nonlinear oscillatory system. E. I. Falzibaev. Ukr. mat. zhur. 15

DIFFERENTIAL EQUATIONS (Continued)

Theory of the stability of the solution to a third-order differential equation with a discontinuous characteristic. E.A. Barbashin, V.A. Tabueva. Prikl. mat. i mekh. 27 no.4 664-671 Jl-Ag '63.

Variational method for solving a certain class of degenerate elliptic equations. I.A. Kipriianov. Dokl. AN SSSR 152 no.1:35-38 S '63.

DIFFERENTIAL EQUATIONS—NUMERICAL SOLUTIONS

Numerical solution of the fundamental biharmonic problem given a large number of network points. E.M. Pinkhuiz. Uch. mat. zhur. 15 no.2 211-217 '63.

DIFFERENTIAL EQUATIONS, LINEAR

Solution to the problems of the existence of limited solutions for systems of linear homogeneous differential equations with periodic coefficients on the basis of integral substitution. Part 2. N.P. Erugin. Vestsi AN BSSR Ser. fiz.-tekh. nav. no.1 5-12 '62.

Some asymptotic properties of linear systems with a small delay. IU.A. Riabov. Dokl. AN SSSR 151 no.1 52-54 Jl '63.

Theory of curves in projective n-dimensional space and its application to linear differential equations. A.S. Usdin. Mat. sbor. 61 no.4 426-442 Ag '63.

DIFFERENTIAL EQUATIONS, PARTIAL

Constructing the upper and lower functions of the solution to the Cauchy problem for a second-order hyperbolic partial differential equation. G.A. Artemov. Sbor. nauch. trud. KGRI no.7-301-311 '59.

Generalized Sobolev spaces and their application to boundary value problems for partial differential equations. L.N. Slobodetskii. Uch. zap. Ped. inst. Gertsa 197 54-112 '58.

Some aspects of linear and nonlinear partial differential equations [translated from the English]. L. Nirenberg. Usp. mat. nauk 18 no.4 101-118 Jl-Ag '63.

DIFFRACTION

Approximative method of solving dynamic problems of diffraction from an edge, caused by intersecting contacts of media, and comparison of theoretical and experimental data. O.I. Rogoza, F.M. Sibagatullina. Prikl. geofiz. no.36 3-27 '63.

Average diffraction pattern in the focal plane of a lens [with summary in English]. N.G. Denisov, V.I. Tatorskii. Izv. vys. ucheb. zav., radiofiz. 6 no.3 488-491 '63.

Diffraction of a plane wave on two parallel elliptic cylinders. E.A. Ivanov. Vestsi AN BSSR, Ser. fiz.-tekh. nav. no.1 30-31 '62.

Fresnel diffraction on the edge of a transparent half-plane of finite thickness. V.G. Khomaziuk. Zhur. tekh. fiz. 33 no.3 382-382 Ap '63.

High-temperature attachment to the URS-50I diffractometer for the study of the dehydration of asbestos cement and its component minerals. O.S. Volkov, L.S. Zevin, D.M. Kheiker. Trudy NIIAsbestcementa no.11 84-90 '61.

Theory of linear three-dimensional nonstationary diffraction problems and some nonlinear problems. I.G. Filippov. Prikl. mat. i mekh. 27 no.4 708-714 Jl-Ag '63.

DIFFUSION

Diffusion and solubility of silver in gallium arsenide. B.I. Boltaks, F.S. Shishiianu. Fiz. tver. tela 5 no.8 2310-2316 Ag '63.

Diffusion of organic cations in sulfocation exchangers. G.S. Libinson. Dokl. AN SSSR 151 no.1 127-129 Jl '63.

Effect of prestressing on the self-diffusion in silver and its alloys. M.E. IAnitskaia. Izv. vys. ucheb. zav., tsvet. met. 6 no.3 122-124 '63.

Investigating interdiffusion in the system Cu - Au. I.B. Borovskii, N.P. Il'in, L.E. Loseva. Trudy Inst. met. no.15 32-40 '63.

Investigating self-diffusion in metals without the use of radioactive isotopes. M.D. Smolin. Fiz. met. i metalloved. 16 no.1 138-140 Jl '63.

Investigating the self-diffusion of metals in the phase [illegible]. ogdanov. Trudy Inst.

[illegible] zinc selenide on [illegible] of reactive diffu- [illegible] AN BSSR S

[illegible] tals and alloys [illegible] by elements. G.N. [illegible] no.1 33-39 Jl

[illegible] l effect of min- [illegible] and their impor- [illegible] ani. Vop. kur., [illegible] 1-458 S-O '62.

[illegible] ligestive tract in [illegible] during its feeding [illegible], Sh. Khuzin, A.V. [illegible] 1275 '63.

DIGESTIVE ORGANS—SECRETIONS

Concerning E.I. Luchnikova's article 'Critical evaluation of the methods used in the study of the effect of mineral waters on the secretory function of the digestive glands'. A.N. Bakuradze. Vop. kur., fizioter. i lech. fiz. kul't. 27 no.5 458-461 S-O '62.

Concerning the article 'On the methods of study of the effect of mineral waters on the secretory function of the digestive glands' by E.I. Luchnikova, IU.K. Vasilenko. Vop. kur., fizioter. i lech. fiz. kul't. 27 no.5:461-462 S-O '62.

DIK, MIKHAIL GRIGOR'EVICH, 1903-

Thirty-five years of the engineering and public activities of M.G. Dik. Khol. tekh. 10 no.3 60 My-Je '63.

DIKES (GEOLOGY)

Depth of the roots of petroleum necks and dikes in the Apsheron Peninsula. V.A. Gorin, Sh.F. Mekhtiev. Uch. zap. AGU Ser. geol.-geog. nauk no.5 3-8 '61.

DIOPHANTINE ANALYSIS

On certain indeterminate equations in cyclic finite extension fields. P.N. Remorov. Uch. zap. Ped. inst. Gertsa. 197 9-15 '58.

Representation of integers by circulant forms. P.N. Remorov. Uch. zap. Ped. inst. Gertsa. 197 16-19 '58.

DIPHENAMIDE

Derivatives of diphenic acid. Part 1. Substituted amides of 2,2'-diphenic acid. L.P. Kulev, G.M. Stepnova. Izv. TPI 111 16-19 '61.

Derivatives of diphenic acid. Part 2. Esters of substituted monoamides of 2,2'-diphenic acid. L.P. Kulev, G.M. Stepnova. Izv. TPI 111 20-22 '61.

DIPHENIC ACID

Diphenic acid esters and their plasticizing properties. L.P. Kulev and others. Izv. TPI 111 26-29 '61.

DIPHTHERIA

Some reactions of diphtheria patients to intravenous administration of glucose. V.K. Rychkova-Kyl. Ped., akush. i gin. 25 no.2 5-8 '63.

DIPHTHERIA—MICROBIOLOGY

Diphtheria carriers with chronic tonsillitis. L.G. Russel' and others. Vest. otorin. no.1 60-61 '63.

DIPHTHERIA—PREVENTIVE INOCULATION

Effect of infectious diseases on the state of antitoxin immunity of diphtheria. E.P. Manolova. Ped., akush. i gin. 25 no.2,3-5 '63.

DIPIN

Dipin. Nov. lek. sred. no.2 61-68 '62.

DIPLOMATS, GERMAN see subdivision under Latin America

DIPOLE MOMENTS

Effect of electric dipole induction in electron resonance. A.R. Kessel', I.V. Ovchinnikov. Fiz. tver. tela 5 no.8 2364-2365 Ag '63.

Excitation of a finite cylinder by a Hertz dipole [with summary in English]. E.N. Vasil'ev. Izv. vys. ucheb. zav., radiofiz. 6 no.3 591-607 '63.

DIRICHLET'S SERIES see Series, Dirichlet's

DISABILITY EVALUATION
(see also subdivision under Ukraine)

Clinical aspects and work capacity of patients with reactive states in cerebral atherosclerosis. P.M. Popov. Trudy 1-go MMI 21 174-183 '63.

Some data concerning the working ability of persons with hypertension performing mental work. L.A. Gabinov, T.Z. Gurevich, I.IA. Karmazin. Sov. zdrav. 22 no.6 28-31 '63.

Temporary disability in cardiovascular diseases. V.P. Vager, S.IA. Freidlin. Zdrav. Ros. Feder. 7 no.7:12-15 Jl '63.

Work capacity of patients at various stages in the course of cerebral atherosclerosis. M.S. Rozova. Trudy 1-go MMI 21.162-173 '63.

DISARMAMENT

Legal characteristics of the principle of disarmament. S.A. Malinin. Izv. vys. ucheb. zav.; prav. 7 no.2:149-153 '63.

Let's go further. Nov. vrem. 21 no.31:2-3 Ag '63.

DISCONTINUOUS FUNCTIONS see Functions, Discontinuous

DISCOVERIES (IN GEOGRAPHY)—BIBLIOGRAPHY see Bibliography—Discoveries (in geography)

DISCOVERIES (IN GEOGRAPHY)—RUSSIAN

"History of Russian geographical discoveries" by L.S. Berg. Reviewed by I.V. Torgov, L.S. Povarov. Vest. AN SSSR 33 no.9:101-102 S '63.

DISCUSSION

Demagogue. G. Marchik. Mol. komm. no.8:78-80 Ag '63.

DISINFECTION AND DISINFECTANTS

Bactericidal aerosols and prospects of their use of disinfection in the armed forces. S.D. Belokhvostov. Voen.-med. zhur. no.8 57-62 '62.

Disinfection of surfaces infected by microbial spores at low temperatures. G.S. Riabova. Trudy VNIIVS 14.36-42 '59.

Importance of disinfection in the control of infectious diseases. V.N. Dodonov. Med. sestra. 22 no.2:5-8 F '63.

The LSD-1 serial production unit for disinfection. A.A. Poliakov, V.S. IAnykh. Trudy VNIIVS 14 50-57 '59.

DISLOCATIONS IN CRYSTALS

Artificial shift formation and the dislocation structure of sodium chloride crystals. E.M. Nadgornyi, A.V. Stepanov. Kristallografiia 8 no.1 641-651 Jl-Ag '63.

Creep of NaCl and KCl single crystals in the region of premelting temperatures and small specific loads. IA.E. Geguzin, V.L. Rabets, A.A. Chernyshov. Fiz. tver. tela 5 no.7 1900-1907 Jl '63.

Dislocation structure of PbS crystals in the region of concentrated loading. V.A. Urusov, I.na R. Tagirov, Sh.Sh. Ibragimov, M.V. Klassen-Neklyudova. Kristallografiia 8 no.1 625-631 Jl-Ag '63.

Effect of dislocations occurring in the decomposition of supersaturated solid solutions of nickel in germanium and copper in germanium on anomalous X-ray transmission. O.N. Efimov, A.M. Elistratov. Fiz. tver. tela 5 no.8:2116-2127 Ag '63.

Interaction of dislocations in twin crystals. V.I. Startsev and others. Kristallografiia 8 no.1 653-660 Jl-Ag '63.

Relation between the dislocation theory of twins and Lifshits' macroscopic theory. A.M. Kosevich, L.A. Pastur. Fiz. tver. tela 5 no.7:1970-1978 Jl '63.

Studying the anisotropy of the mechanical properties of NaCl single crystals by observation of the dislocation distribution along the (111) face. IU.S. Bolarskaia, M.I. Val'kovskaia. Fiz. tver. tela 5 no.8 2321-2331 Ag '63.

Substructure and distribution of dislocations in single-crystal and polycrystalline aluminum. B.M. Rovinskii, E.P. Kostikova, V.G. Lantsov. Kristallografiia 8 no.1 657-662 Jl-Ag '63.

Use of the method of filming the etching process in studying the behavior of dislocations in NaCl crystals. V.M. Stepanova. Kristallografiia 8 no.1 682-681 Jl-Ag '63.

DISLOCATIONS IN METALS

Methods of revealing the dislocation structure of the KhN77TIUR heat-resistant alloy. V.D. Sadovskii. Fiz. met. i metalloved. 16 no.1 110-111 Jl '63.

Pyramidal gliding in zinc crystals. F.F. Lavrent'ev, O.P. Salita. Dokl. AN SSSR 151 no.5 1071-1073 Ag '63.

DISMISSAL OF EMPLOYEES see Employees, Dismissal of

DISORDERS OF SPEECH see Speech, Disorders of

DISPENSARIES

Results of dispensary service for patients who have suffered brain trauma. N.I. Moiseeva, G.D. Luchka, A.I. Listova. Sov. med. 27 no.7:85-89 Jl '63.

DISSERTATIONS, ACADEMIC—BIBLIOGRAPHY see Bibliography—Dissertations, Academic

DISSOCIATION

Effect of admixtures on the dissociation of cadmium carbonate. L.G. Berg, V.P. Kovyrzina. Dokl. AN SSSR 151 no.1,117-119 Jl '63.

Thermodynamic properties of dissociated hydrogen and oxygen [with summary in English]. P.M. Kessel'man, V.A. Rabinovich. Inzh.-fiz. zhur. 6 no.7:13-40 Jl '63.

DISTILLATION

Final distillation of the micelle in the running out film. V.V. Belobrodov. Masl.-zhir. prom. 29 no.4:11 Jl '63.

DISTILLATION, FRACTIONAL—EQUIPMENT AND SUPPLIES

Improvement of fractionating columns. N.D. Kuznetsov. Maslinostroitel' no.7 15 Jl '63.

DISTILLATION APPARATUS

Design of distillation columns for separating binary mixtures of partially mixing components. L.A. Serafimov, A.S. Mozzhukhin, S.V. L'vov. Khim. i tekh. topl. i masel 8 no.8:16-19 Ag '63.

Experience in the automatic regulation of the operations of rectification columns with continuous action. A.S. Smirnov, E.S. TSekhanskii. Koks i khim. no.6:40-42 '63.

DITHIONITES

Kinetics and mechanism of the decomposition of zinc hydrosulfite in aqueous solution. IU.A. Lobanov, T.I. Kunin, G.M. Smirnova. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no.2:189-194 '63.

DIUZHEV, BORIS

Mest sculptor Diuzhev. A. Rosgalov. Kul't. i zhizn' 7 no. 5 26-27 '63.

DIVING

Use of a sliding board for teaching diving. G. A. Minasov. Sbor. trud. Gruz. gos. inst. fiz. kul't 5:261-265 '62

DIVING, SUBMARINE

"Reefs" of the blue continent V Tiunin Sem'ia i shkola 18 no 6 46-47 Je '63

Testing flippers of various makes. A M. Agiashvili Sbor. trud. Gruz. gos. inst. fiz. kul't 5 257-260 '62

DIVNOGORSK—HYDROELECTRIC POWER STATIONS

Heroes of the seven-year plan. Za rul. 21 no. 5:1 My '63.

DIXON, RICHARD, 1905-

Lawrence Shaukey, Richard Dixon. Nov. vrem. 21 no. 35.23 Ag '63.

DNEPRODZERZHINSK—OPEN-HEARTH PROCESS—TECHNOLOGICAL INNOVATIONS

Economic efficiency of the mechanization of production processes in metallurgy. I. Kobyliakov, Nauch. dokl. vys. shkoly, ekon. nauki 6 no. 5:93-97 '63.

DNEPROPETROVSK—COKING PLANTS—EQUIPMENT AND SUPPLIES

Electric pusher cars in the Dnepropetrovsk Coke and Coal Chemicals Plant. S. IU. Sipovich, IU. I. Lunev. Koks i khim. no. 10.55-57 '62.

DNEPROPETROVSK—CONSTRUCTION WORKERS

The "unyielding." V. Khelemendik. Mol. komm. no. 9:76-77 Ag '63.

DNEPROPETROVSK—RUSSIAN SOCIAL DEMOCRATIC PARTY

V. I. Lenin and the Bolshevik organization in the city of Ekaterinoslav. G. M Derenkovskii, S. S. Kaplun, IU. I. Kirianov. Vop. ist. KPSS 7 no 8.128-131 Ag '63

DNEPROPETROVSK PROVINCE—AGRICULTURE—AUDITING AND INSPECTION

We are improving control over the operations of agricultural enterprises. P. Pikovets. Fin. SSSR 37 no. 6 59-61 Je '63.

DNEPROPETROVSK PROVINCE—CORN (MAIZE)

Increasing operating speeds of machinery in corn growing. A. Lysenko, A. Volik, V. Grechko. Tekh. v sel'khoz. 23 no. 5 10-13 My '63.

DNEPROPETROVSK PROVINCE—HYBRID CORN

"Seeds of pure gold." P. Karakash. Ukraina no. 11 7 Jl '63.

DNEPROPETROVSK PROVINCE—LIBRARIES, WORKINGMEN'S

Introduce books to every family. N. Kovalev. Sov. profsoiuzy 19 no. 14:12-15 Jl '63.

DNEPROPETROVSK REGION—SAND

Recent data on the conditions of deposition of sands of the Sivash series in the area of Dnepropetrovsk. N. N. Karlov. Dokl. AN SSSR 151 no. 1.168-170 Jl '63.

DNIEPER-DONETS LOWLAND—GEOLOGY, STRATIGRAPHIC

Permian halogen deposits of the Dnieper-Donets Lowland. V. K. Gavrish. Dokl. AN SSSR 152 no. 1:175-178 S '63.

DNIEPER-DONETS LOWLAND—LANDFORMS

New data on the Pre-Jurassic relief in the northwestern part of the Dnieper-Donets Lowland. O D. Bilyk. Sov. geol. 6 no. 8:95-98 Ag '63.

DNIEPER-DONETS LOWLAND—SALT DEPOSITS

Correlation at sections of Devonian halogen layers in the Pripet fault and Dnieper-Donets Lowland. V. P Kirikov. Trudy VSEGEI 83:129-136 '62.

DNIEPER-DONETS LOWLAND—SALT DOMES

Some characteristics of the geology and history of the development of salt-dome structures in the southeastern part of the Dnieper-Donets Lowland. I. V. Halyts'kyi. Geol. zhur. 23 no. 3:36-49 '63.

DNIEPER RIVER—FISHES

Biology of the reproduction of basic commercial fishes of the Dnieper River within the boundaries of White Russia. A. A. Kastsiuchienka. Vestsi AN BSSR. Ser. biial. nav. no. 1.99-109 '63.

DNIEPER VALLEY—GEOLOGY, STRATIGRAPHIC

"Travertinelike" facies from Sarmatian sediments in the lower Dnieper Valley. L. S. Belokrys. Sbor. nauch. trud. KGRI no. 20:30-33 '63.

DNIEPER VALLEY—INSCRIPTIONS, GREEK

First steps toward the decipherment of illegible signs in the Dnieper Valley, the problem of ancient Russian inscriptions [with summary in English]. N. A. Konstantinov. Vest. LGU 18 no. 14:107-109 '63.

DNIEPER VALLEY—ORE DEPOSITS

Principal characteristics of the metallogeny of the Ukrainian shield. IA. M. Bielievtsev. Geol. zhur. 23 no. 3 3-22 '63

DNIEPER VALLEY—ROCKS—ELECTRIC PROPERTIES

Specific electric resistivity of rocks from the Ukrainian Crystalline Shield. N. P. Mikhailova. Geofiz. sbor. no 1.48-54 '63.

DOBREV, GEORGI MIKHAILOV, 1893-

G. M. Dobrev's anniversary. E. A. Oshanina, N. V. Busse. Sov. bibl. no. 1:118-119 '63.

DOBROVOL'SKII, LEV MIKHAILOVICH, 1900-1963

Lev Mikhailovich Dobrovol'skii. Sov. bibl. no. 4:127-128 '63.

DOCUMENTARY EVIDENCE see Evidence, Documentary

DOCUMENTARY FILMS see Motion pictures, Documentary

DOCUMENTATION

Introducing mechanical processing of production documentation G. S. Guseev, V I. Semenenko. Vest. mashinostr. 43 no. 6:85-87 Ag '63

DOLLS

We need new dolls. N. Bratiashvili. Doshk. vosp. 36 no. 6 92-93 '63.

DOMAIN STRUCTURE

Observation of the domain structure of triglycine sulfate by means of an electron mirror. G. V. Spivak and others. Izv. AN SSSR. Ser. fiz. 27 no 9.1199-1202 S '63.

Use of the "dew" method in observations of the domain structure of potassium dihydrophosphate crystals S D. Ioshev. Kristallografiia 8 no 4 680-682 Jl-Ag '63

DOMANOVIĆ, RADOJE, 1873-1908

Are F. Kafka's ideals close to the ideas of R. Domanović's works? [with summary in English]. G. I. Safronov. Vest. LGU 18 no. 14 54-63 '63.

DOMESTIC RELATIONS

In the house of her mother-in-law. K. Nikitin. Sov. just. no. 9:24-25 My '63.

We should strictly enforce Soviet marriage and family laws N. Belyk Sots zakon 40 no. 6:20-23 Je '63.

DON VALLEY—PARTICLE SIZE DETERMINATION

Particle-size distribution of Bashkiria and Vereya sandstones of the Volga-Don region. V. S. Vyshemirskii, V. A. Krotova. Dokl. AN SSSR 151 no. 1:185-188 Jl '63.

DON VALLEY—PINE

Water economy and the formation of young pine growths on the sands of the Middle Don N. A Voronkov Nauch dokl. vys. shkoly; biol. nauki no. 3:131-138 '63

DONETS BASIN—COAL—CLASSIFICATION

New classification indices for Donets Basin coals P. K Finkel'shtein, V. F. Golenda, N A. Staroshkina. Koks i khim. no. 9:6-10 '63.

DONETS BASIN—COAL GEOLOGY

Density of intrusive rocks in the coal-bearing formation of the Donets Basin. IU. I Belotserkovets. Geofiz. sbor. no. 1:13-17 '63.

DONETS BASIN—COAL MINERS

Skilled workers of the Kiselev Mine. I. Blagodarnyi Sov. shakht. 12 no 6:14 Je '63.

DONETS BASIN—COAL MINES AND MINING

Control of a difficult-to-cave roof at the "Sukhodol'skaia" No. 1 mine. V. V. Novitskii, M. P. Perevezev. Bezop. truda v prom. 7 no. 7:20-21 Jl '63.

Ukrainian hour. A. Popov. NTO 5 no. 6:31-33 Je '63.

DONETS BASIN—COAL MINES AND MINING—AIR CONDITIONING

Brief information on the session of the Scientific Seminar on Heat Exchange Engineering in Mining, held at the Academy of Sciences of the Ukrainian S. S. R. T. S. Gurlev. Izv. vys. ucheb. zav.; tsvet. met. 6 no. 3: 105-106 '63.

DONETS BASIN—COAL MINES AND MINING—LABOR PRODUCTIVITY

"Privol'nianskaia-IUzhnaia" Mine is out in front again. M. Shapiro. Sov. shakht. 12 no. 6:6-7 Je '63.

DONETS BASIN—COAL MINES AND MINING—SAFETY MEASURES

What should a plan for the elimination of accidents be like. O. M. Chumachenko. Bezop. truda v prom. 7 no. 7:5-6 Jl '63.

DONETS BASIN—COAL MINING MACHINERY

Competition continues. P. Sokolov. Sov. shakht. 12 no. 6:8-9 Je '63.

Load the cutter-loader fully. IU. Pomazanovskii, I. Slin'ko. Sov. shakht. 12 no. 6:10-11 Je '63.

DONETS BASIN—CONCRETIONS

Time of the formation of carbonate nodules with a cone-in-cone texture. P. V. Zaritskii. Dokl. AN SSSR 151 no. 1 189-192 Jl '63.

DONETS BASIN—EFFICIENCY, INDUSTRIAL

The movement of inventors and efficiency engineers in the Donets Basin, 1958-1961. V. O. Romanenko. Ukr. ist. zhur. 6 no. 3 49-56 My-Je '63.

DONETS BASIN—FORAMINIFERA, FOSSIL

Stratigraphy and foraminifera of Carboniferous sediments in the northern margin of the Donets Basin as revealed by the study of the North-Lugansk test hole. V. O. Pogrebniak. Geol. zhur. 23 no. 3 23-35 '63

DONETS BASIN—GEOLOGY, STRATIGRAPHIC

Stratigraphy and foraminifera of Carboniferous sediments in the northern margin of the Donets Basin as revealed by the study of the North-Lugansk test hole. V. O. Pogrebniak. Geol. zhur. 23 no 3 23-35 '63

DONETS BASIN—MINE ROOF BOLTING

Strictly observe the requirements of bolting specifications. N. F. Arkhipov. Bezop. truda v prom. 7 no. 7 6-8 Jl '63.

DONETS BASIN—SULFUR ISOTOPES

Isotope composition of sulfur in the rocks and minerals of the Nikitovka deposit in the Donets Basin. V. I. Vinogradov. Trudy IGEM no. 99.154-164 '63

DONETS BASIN—VOCATIONAL EDUCATION

New requirements and new methods. A. Samborskii, A. Sel'skii. Prof.-tekh. obr. 20 no 8:1-3 Ag '63.

DONETS VALLEY—ANTIQUITIES

Shramko, V. A. [Antiquities of the Severians in the Donets Valley] Drevnosti Severskogo Donts'a. Khar'kov, Izd-vo Gos. univ., 1962, 401 p.

DONETSK—COKE INDUSTRY

Work of the Central Coal and Coke Laboratory in the Donetsk Coke and Coal Chemicals Plant performed during 1962. A. R. Kuz'menkov, M. M. Kovalevskaia. Koks i khim. no. 10 58 '62.

DONETSK—COMMUNIST PARTY OF THE SOVIET UNION

A theoretical conference in Donetsk Province. A V. Medianik. Vop. ist. KPSS 7 no 8 153-157 Ag '63

DONETSK PROVINCE—CAPITAL INVESTMENTS

Improve the efficiency of capital investments D Perstneva. Fin. SSSR 37 no. 6 38-40 Ag '63

DONETSK PROVINCE—COAL MINES AND MINING—LABOR PRODUCTIVITY

What the speaker did not say! M. Granberg, B. Shchuranskii. Sov. shakht. 12 no. 6 37-38 Je '63

DONETSK PROVINCE—PUNCHED CARD SYSTEMS—INDUSTRIAL PROCUREMENT

Introducing modern calculating machines in planning for the supply of machinery and equipment in the important task of the national economy. B. Lakhanovych, V. Ritzhykov. Ekon. Rad. Ukr. no. 1 91-99 Jl-Ag '63.

DONETSK PROVINCE—VEGETABLE TRADE—ACCOUNTING

Is such an instruction necessary? I. Konopel'ko Bukhg. uchet 20 no. 8.67-68 Ag '63.

DONETSK PROVINCE—VEGETABLES—STORAGE

Losses from the bad storage of vegetables. I. Konopel'ko. Fin. SSSR 37 no. 6 78-79 Je '63.

DONTSOV, MATVII OLEKSIIOVYCH, 1877-

Plantda, V. Matvii Oleksiiovych Dontsov Kyiv, Derzh vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1962 20 p. (MH)

DOPPLER EFFECT

Radiation from an oscillator moving in a wave guide. L. G. Naryshkina, K. A. Barsukov. Zhur. tekh. fiz. 33 no. 4:441-454 Ap '63.

Radiation line width in the complex Doppler effect [with summary in English]. K. A. Barsukov, G. L. Suchkin. Izv. vys. ucheb. zav., radiofiz. 6 no. 3:449-456 '63.

DORTMUND-EMS CANAL—LOCKS (HYDRAULIC ENGINEERING)

New vertical ship raising structure on the Dortmund-Ems Canal. A. Kazakov. Rech. transp. 22 no. 7:52-53 Jl '63.

DOSTOEVSKII, ANDREI ANDREEVICH, 1863-1933

Andrei Andreevich Dostoevskii. S. V. Belov. Izv. Vses. geog. ob-va 95 no. 4 371-373 Jl-Ag '63.

DOUBLE BONDS

Dependence of the steric course of isoprenoid cyclization reaction on the configuration of 6, 7-double bond. V. A. Smit, A. V. Semenovskii, V. F. Kucherov. Izv. AN SSSR. Ser. khim. no. 9:1702 S '63.

Electronic structure and properties of cumulated systems. Part I. Internal barriers to rotation in organic cumulenes E M Shustorovich Zhur. strukt. khim. 4 no. 5 642-645 Jl-Ag '63

716-453 O - 64 - 12

DOUBLE BONDS (Continued)
Synthesis of aliphatic aromatic polymers with conjugated double bonds by Wittig reaction [with summary in English] A. A. Vansheidt, M. G. Krakoviak. Vysokom. soed. 5 no. 6 805-810 Je '63.

DOUBLE REFRACTION see Refraction, Double

DOUBLE STARS see Stars, Double

DOUGH
Dough aeration during mixing. S. I. Seferov, V. I. Churprina, E. N. Kurekaia. Khleb. i kond. prom. 7 no. 8 36-37 Ag '63.
Four-phase method for preparing wheat flour dough. L. Kiparisova Khleb. i kond. prom. 7 no. 8. 35-36 Ag '63.

DOWRY see subdivision under India

DRAINAGE
(see also subdivision under Kiev Province; Leningrad Province)
Electric drainage in cutting a deep pit. E. V. Stepanova [Trudy] NII osn. no. 50:45-52 '62.
Electroosmosis in sand. B. P. Gorbunov, L. I. Kurdenkov [Trudy] NII osn no. 50:20-27 '62
Ignatenok, F. V., A. F. Timofeev, and B. I. IAkovlev. [Agricultural land improvement, a textbook] Sel'skokhoziaistvennye melioratsii; uchebnoe posobie. Minsk, Gos. izd-vo sel'khoz lit-ry, BSSR, 1963. 291 p.
New approach to determining the rate of drainage of soils under melioration. A. I. Ivitskii Dokl. AN BSSR 6 no. 12 795-797 D '62.
Study of the physicochemical processes arising in connection with electroosmotic drainage of clayey soil G. N. Zhinkin. [Trudy] NII osn. no. 50:28-37 '62.

DRAINAGE—ELECTROMECHANICAL ANALOGIES see subdivision under Ukraine

DRAKE, SIR FRANCIS, 1540?-1596
Round-the-world voyage of a pirate IA. Svet. Vokrug sveta no. 1 17, 23 Ja '63

DRANISHNIKOVA, MARINA VLADIMIROVNA
Life in music. I. Vershinina. Ogonek 41 no. 28:28-29 Jl '63.

DRAWING—INSTRUCTION
Development of the creative abilities of students in drawing lessons. A. S. Zhukova. Sov. pedag. 27 no. 7:92-100 Jl '63.
Teaching students to portray volume in drawings. P. I. Serogodskii. Nach. shkola 31 no. 10 62-66 O '63.

DRAWING (METALWORK)
New developments in research V. F. IUsupov, A. I. Belikov. Stal' 23 no. 7:671 Jl '63.

DREDGING
Increasing the efficiency of channel dredging operations. G. Sadovskii. Rech. transp. 22 no. 5:28-31 Je '63.

DREDGING (BIOLOGY) see subdivision under Japan Sea

DREDGING MACHINERY
Automating the starting and stopping of suction dredges E. P. Zharnitskii. Transp. stroi. 13 no. 7:32-36 Jl '63
Hydraulic earth loosening cutterheads for suction dredges. V. A. Zhuchenko. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:97-101 '62.
Technical progress in channel maintenance equipment. A. Subbotin. Rech. transp. 22 no. 7:32-35 Jl '63.

DREDGING MACHINERY—TESTING
Results of testing mechanical looseners. V. Volkov. Rech. transp. 22 no. 7 38-39 Jl '63.

DRESDEN—INDUSTRIES
In the new stage. Werner Krolikovskii. Agitator no. 12:26-28 Je '63.

DRILLING AND BORING MACHINERY
Ipatov, S. S. [Jig-boring machines used in the precision manufacture of instruments] Koordinatno-rastochnye stanki v tochnom priborostroenii. Pod red. E. F. Ermilova. Moskva, Oborongiz, 1954. 195 p.
Universal head for boring grooves. I. B. Dmitrevskii. Stan. i instr. 34 no. 7:35-36 Jl '63.

DRILLING AND BORING MACHINERY—ATTACHMENTS
Attachment for machining internal cams with a face counterbore. B. F. Sheremet. Stan. i instr. 34 no. 7:37 Jl '63.

DRILLING AND BORING MACHINERY—NUMERICAL CONTROL
Analog control systems for drilling machines. V. A. Guseva and others. Mashinostroitel' no. 7:6-8 Jl '63.

DRILLING FLUIDS
(see also subdivision under Krivoy Rog Basin)
New developments in shot drilling using flushing fluids. V. P. Derusov, V. A. IAroshenko. Sbor. nauch. trud. KGRI no. 20:85-97 '63.

DRILLING FLUIDS—EQUIPMENT AND SUPPLIES
Relation between the flocculating and coagulating action of dust-wetting additives and a reduction in the dust in the air during drilling F. N Belash Sbor. nauch. trud. KGRI no. 7:349-359 '59.

DRINKING AND TRAFFIC ACCIDENTS see subdivision under Moscow

DROPPING MERCURY ELECTRODES see Electrodes, Dropping mercury

DRUG, INDIA—STEEL INDUSTRY
Report from Bhilai [with English translation in insert]. I. Kravchenkov. Az. i Afr. seg. no. 8:9-11 Ag '63.

DRY DOCKS—MANAGEMENT
Improving methods of planning and record keeping in ship repairs. E. I. Futter. Sudostroenie 29 no. 7:53-55 Jl '63

DRY ICE
Rate of sublimation of dry ice. E. L. Fedotov. Khol. tekh. 40 no. 3:28-30 My-Je '63.

DRYING APPARATUS—TESTING
Industrial testing of the type KhGI fluid-bed dryer. M. I. Beilin and others. Koks i khim. no. 8:14-19 '63.

DUBININE
Comparative activity of dubinidine hydrochloride and hydrobromide in synergism with soporifics and narcotics N. P. Polievtsev, I. K. Kamilov. Farm. alk no. 1 150-154 '62.
Sedative properties of the alkaloid dubinidine. N. P. Polievtsev, I. K. Kamilov Farm alk no. 1:145-149 '62.
Some analgesic properties of the alkaloid dubinidine. N. P. Polievtsev. Farm. alk. no. 1:138-144 '62.

DUCKS see subdivision under Amu Darya Delta

DUCTUS ARTERIOSUS
Diagnosis of patent ductus arteriosus with a reverse shunt by selective angiocardiography [with summary in English]. I. B. Dynnik, I. K. Okhotin. Vest. rent. i rad. 38 no. 2 14-16 Mr-Ap '63.

DUMP TRUCKS
Powerful dump trucks for open pits. Z. Strotkin. Za rul. 21 no. 5:12-14 My '63.
Provisional modification of motor vehicles into dump trucks. IU. M. Alekseev. Les. khoz. 16 no. 2:69-70 F '63.

DUNAYEVTSY DISTRICT—FOLKLORE
"The night of Ivan Kupala." Ukraina no. 14:4-5 Jl '63.

DUODENUM—SURGERY
Some current problems in the diagnosis and surgical treatment of multiple ulcers of the stomach and duodenum. S. I. Kotomina. Kaz. med. zhur. no. 3:16-17 My-Je '63

DUODENUM—ULCERS
Repeated perforation of a duodenal ulcer. A. A. Mikhailiants. Vrach. delo no. 8:125 Ag '63.

DUROV, VLADIMIR LEONIDOVICH, 1863-1934
Secrets of grandfather Durov. V. Vladimirov. Ogonek 41 no. 28:32-3 of cover Jl '63.

DUST COLLECTORS
Device for feeding powders into a gas stream. S. S. IAnkovskii. Zav. lab. 29 no. 8:1011 '63.

DUVANNYY ISLAND—GAS, NATURAL—GEOLOGY
Prospects for finding oil and gas on Duvannyy Island. A. N. Gasanov. Uch. zap. AGU. Ser. geol.-geog. nauk no. 5:31-36 '61.

DUVANNYY ISLAND—PETROLEUM GEOLOGY
Prospects for finding oil and gas on Duvannyy Island. A. N. Gasanov. Uch. zap. AGU. Ser. geol.-geog. nauk no. 5:31-36 '61.

DWARF FRUIT TREES
(see also subdivision under Ukraine)
Experiments with dwarf fruit plants. E. S Chernenko. Biol. v shkole no. 4 55-57 Jl-Ag '63.

DYES AND DYEING—CHEMISTRY
Reaction of active dyes with cellulose. M. A. Chekalin. Tekst. prom. 23 no. 8:67-72 Ag '63.
Removal of colored admixtures from active vinyl sulfone dyes. L. A. Kovzhin, A. A. Kharkharov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 3:95-97 '63.

DYES AND DYEING—TESTING
New state standard for testing dye stability to physicochemical action. K. M. Sidneva, M. A. Fedorova. Tekst. prom. 23 no. 8:73-74 Ag '63.

DYES AND DYEING—TEXTILE FIBERS
Continuous dyeing of comber sliver. M. V. Korchagin, G. A. Chachkovskaia, I. A. Shikanova. Izv. vys. ucheb. zav.; tekh. tekst. prom no. 3:88-94 '63.

DYES AND DYEING—TEXTILE FIBERS, SYNTHETIC
Dyes for synthetic textile fibers and methods for their application. Inform. biul. VDNKH no. 5:10 My '63.
Dyes for synthetic textile fibers and methods for their application. Inform. biul. VDNKH no. 7:15-17 Jl '63.
Mechanism of the dyeing of polyvinyl alcohol fibers with dispersed dyes. A. A. Khrikharov, V. V. Tsvetkova Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2:112-118 '63.

DYES AND DYEING—WOOL
Investigating the dependence of the migration of acid dyes in wool on their affinity. M. V. Korchagin, I. M. Sikorlavaia Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2:119-124 '63.

DYNAMICS
Conditions for the existence of entire integrals, algebraic with respect to velocity, in conservative scleronomous systems. I. S. Arzhanykh, A. U. Karimov. Sbor. nauch.-issl. rab. TTI no. 15:163-171 '62.
Self-centering and balancing of coaxial rotors [with summary in English]. G. G. Berger, A. S. Kel'zon. Vest. LGU 18 no. 13:119-121 '63.
Some problems in the dynamics of a solid body with an intermittent fluctuation of mass and the methods of their solutions. A. A. Smelkov. Trudy LPI no. 220:39-43 '63.

DYNAMOMETER
New dynamometers. M. I. Rokhlenko, B. L. Smolenskii. Mashinostroitel' no. 7:24 Jl '63.

DYNAMOS see Electric generators

DYSENTERY
Causes of repeated hospitalization of dysentery patients S. V. Krakht, M. S. Amirov. Voen.-med. zhur. no. 8:75-77 '62.
Compound therapy of chronic postdysentery colitis with the "regenerator" preparation and dried coli bacteria A. V. Burmakin Kaz. med. zhur. no. 3:40-44 My-Je '63
Result of the treatment in acute dysentery with antibiotics in conjunction with intradermal vaccine therapy V. M. IArtsev. Voen.-med. zhur. no. 8:77-79 '62.
Review of K. V. Bunin's book "Immunity and rational antibiotic immunotherapy in typhoid fever and dysentery." A. D. Ado, A. E. Reznik. Kaz. med. zhur. no. 3 111-112 My-Je '63.

DYSENTERY—MICROBIOLOGY
Epidemiological significance of atypical strains of the dysentery agent P. S. Sal'nikov, M. M. IAkubin. Voen.-med. zhur. no. 8:55-60 '62.

DYSPROSIUM—MAGNETIC PROPERTIES
Shift of the ferromagnetism - antiferromagnetism transition point in dysprosium under hydrostatic stress [with summary in English]. K. P. Rokov, S. A. Nikitin, A. V. Ped'ko. Zhur. eksp. i teor. fiz. 45 no. 2:20-28 Ag '63.

DZERZHINSKII, FELIKS EDMUNDOVICH, 1877-1926
A fearless soldier of the revolution. P. Baniakov. Mol. komm. no. 9:104-106 S '62.

DZHERMUK—HEALTH RESORTS, WATERING PLACES, ETC.
Agadzhanian, G. I. [The Dzhermuk Health Resort; therapeutic factors and methods of treatment] Kurort Dzhermuk, lechebnye faktory i metody lecheniia. Erevan, Armgosizdat, 1962. 56 p. (DNLM)

DZHERMUK—HEALTH RESORTS, WATERING, PLACES, ETC.—CONGRESSES
Scientific and Practical Conference at the Dzhermuk Health Resort. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:475-477 S-O '62.

DZHEZKAZGAN DISTRICT—RHENIUM
Occurrence form of rhenium in the ores of the Dzhezkazgan deposit. N. I. Razenkova, E. M. Poplavko. Geokhimiia no. 8:777-784 Ag '63.

DZHIDA VALLEY—PALEONTOLOGY, STRATIGRAPHIC
Recent finds of archaeocyathean fauna in the upper Dzhida River (southern Lake Baikal region). V. G. Beltchenko. Dokl. AN SSSR 151 no. 3:642-643 Jl '63.

DZHUNGARIAN ALATAU—PALEOBOTANY, STRATIGRAPHIC
New materials on Permian flora of the Dzhungarian Ala-Tau. K. Z. Sal'manova. Mat. po ist. fauny i flory Kazakhstan, 4:159-166 '63.

EAR—CANCER
Melanoma of the external and middle ear in a 5-year-old child. E. I. Kisilevskii. Vest. otorin. no. 1:89-90 '63.

EAR—DISEASES
Analysis of the causes of failure in tympanoplasty in chronic purulent otitis media. K. P. Markova. Vest. otorin. no. 1:31-34 '63.

EAR — DISEASES (Continued)

Cytohistological shifts in polypous granulation tissue of the middle ear following X-ray irradiation A. V. Fotin Vest. otorin. no 1 35-39 '63

Use of hydrocortisone ointment in some dermatoses of the external ear. V B. Broide Vest otorin no. 1 40-42 '63.

EAR—SURGERY

"Negler's method" - ear acupuncture. A. R. Kirichinskii. Vrach. delo no. 8-108-113 Ag '63.

EARTH

Belousov, V. V [Earth, its structure and development] Zemlia, ee stroenie i razvitie. Moskva, Izd-vo Akad. nauk SSSR, 1963. 150 p. (Akademiia nauk SSSR. Nauchno-populiarnaia seriia)

EARTH—FIGURE

Russia (1923- U. S. S. R.) Glavnoe upravlenie geodezii i kartografii. [Tables of Gauss-Krugor coordinates for latitudes from 32' to 80° at 5' intervals and for longitudes from 0° to 6° at 7 1/2' intervals and tables of the dimensions of the sides and areas of trapezoids of topographical surveys based on the Krasovskii ellipsoid] Tablitsy koordinat Gaussa-Krugera dlia shirot ot 32' do 80° cherez 5' i dlia dolgot ot 0° do 6° cherez 7 1/2' i tablitsy razmerov ramok i ploshchadei trapetsii topograficheskikh s"emok; ellipsoid Krasovskogo. 3. izd., ispr. Moskva, Gosgeoltekhizdat, 1963. 512 p.

EARTH—INTERNAL STRUCTURE

Study of the earth's upper mantle in the U. S. S. R. T. S. Lebedev, D. V. Kornlets. Geofiz. sbor. no. 4:112-123 '63.

EARTH—SURFACE

Conference on postgeosynclinal crustal structures. E. N. IAnov. Sov. geol. 6 no. 8:124-127 Ag '63.

Mantle and earth crust; formation of terrestrial shells. L. S. Taraaov. Priroda 52 no. 8:3-17 Ag '63.

Optimum values of high pressures and temperatures in studying the physical parameters of matter in the earth's crust. T. S. Lebedev, D. V. Korniets. Geofiz. sbor. no. 4,14-18 '63.

Relation of the process of the reconstruction of the earth's crust to vertical tectonic movements. V. V. Tikhomirov. Dokl. AN SSSR 151 no. 5:1171-1177 Ag '63.

Using a hodograph of seismic waves to calculate velocity sections of the upper mantle as an inverse mathematical problem. T. B. IAnovskaia. Izv. AN SSSR. Ser. geofiz. no. 8:1171-1177 Ag '63.

EARTH SATELLITES see Artificial satellites

EARTH TEMPERATURE see subdivision under Krivoy Rog Basin; Samara Bend; Surkhob Valley

EARTHMOVING MACHINERY

Crapple and scarifier. B. F. Mel'nikov. Transp. stroi. 13 no. 7 66 Jl '63.

Method of economic evaluation of earthwork machinery. N. N. Solenikov. Izv. vys. ucheb. zav.; stroi. i arkhit 6 no. 2:103-107 '63.

Principle layouts and basic elements of earthmoving machines, using the effect of soil caving. G. V. Rodionov and others. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:14-24 '62.

Some trends for increasing the efficiency of earthmoving machines. V. M. Vladimirov, A. R. Mattis. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:9-13 '62.

EARTHMOVING MACHINERY—MAINTENANCE AND REPAIR

The repair of earthmoving machinery organized the new way. N. S. Mitroshin. Transp. stroi 13 no. 6:45-46 Je '63.

EARTHMOVING MACHINERY—TESTING

Laboratory studies of a rotor with inertial unloading. V. M. Vladimirov, G. N. Suttagin. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:49-52 '62.

EARTHQUAKES AND BUILDING

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. 2 Sec. A. ch. 12. [Building in earthquake areas; standards of design] Stroitel'stvo v seismicheskikh raionakh; normy proektirovaniia (SNiP II-A. 12-62). 1963. 48 p.

EARTHS, MEDICAL AND SURGICAL USES OF

Effect of applications of silt muds from saline lakes on the functional restoration of injured peripheral nerves. K. A. Fetisov. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:413-417 S-O '62.

EARTHS, RARE see Rare earths

EAST (FAR EAST) see Far East

EAST (NEAR EAST) see Near East

EAST (SOVIET FAR EAST) see Soviet Far East

EAST GERMANY see Germany, East

EAST KAZAKHSTAN—SHALE

Thermographic curves of East Kazakhstan shales. V. V. Vershinina. Trudy Alt. GMNII AN Kazakh. SSR 11:160-161 '63.

EAST KAZAKHSTAN PROVINCE—INDUSTRIES

High road of industry. A. Kolebaev. Part. zhizn' Kazakh. 33 no. 1:21-29 Ap '63.

EAST KAZAKHSTAN PROVINCE—STATE FARMS

Konstantin Pekhtelev, secretary of the party committee. A. Izotov. Part. zhizn' Kazakh. 33 no. 4:33-36 Ap '63.

EASTER ISLAND—ANTIQUITIES

Statues of Easter Island; problems and conclusions. Thor Heyerdahl. Translated from the Norwegian by L. Zhdanov. Nov. mir 38 no. 9,216-229 S '62.

EASTERN EUROPE see Europe, Eastern

EASTERN SIBERIA see Siberia, Eastern

EBULLITION

Effect of some factors on the magnitude of critical heat flow during the surface boiling of liquids A. P. Sorokin. Sbor. nauch. trud. IEI no. 10:31-38 pt. 2 '62

Generalization of some experiments on critical boiling of a liquid in forced motion taking the theory of thermodynamic similarity as a basis. L. D. Mikhaliov PMTF no. 3:130-135 My-Je '63.

Use of motion-picture photography in studying the mechanism of boiling involving intense heat flows N. N. Mamontova. PMTF no. 3,135-137 My-Je '63.

ECHO SOUNDING

Observation of echo signals from ice with the help of radar. A. Kotiukh. Mor. flot 23 no 5:17-19 My '63.

ECHO VIRUSES

Pernicious "orphans." S. D. Nosov. Zdorov'e 9 no. 5: 6 My '63.

ECLOGITE—ANALYSIS

Mineralogical composition of rutile-bearing amphibolites and eclogites. M. G. Isakov. Titan i ego splavy no. 9:16-23 '63.

ECMONOVOCILLIN

Pharmacodynamics of levomycetin, syntomycin and ecmonovocillin-i in experiments on healthy lambs. K. Amanov. Izv. AN Turk. SSR. Ser. biol. nauk no. 4:80-83 '63.

ECOLOGY

Symposium on Cytoecology, held at Leningrad. A. V. Zhirmunskii. Vest. AN SSSR 33 no. 9:69-70 S '63.

ECONOMIC ASSISTANCE, AMERICAN see subdivision under Korea, South; Pakistan

ECONOMIC ASSISTANCE, RUSSIAN see subdivision under Vietnam, North

ECONOMIC BOTANY see Botany, Economic

ECONOMIC GEOGRAPHY see Geography, Economic

ECONOMIC GEOLOGY see Geology, Economic

ECONOMIC HISTORY

Brief news. Mir. ekon. i mezhdunar. otn. no. 8:94-97 '63.

[Economic conditions of capitalist countries; survey of economic trends in 1961 and the beginning of 1962] Ekonomicheskoe polozhenie kapitalisticheskikh stran; kon'iunkturnyi obzor za 1961 g. i nac skva, Izd-vo "Pravda," 1962. 15"

[Economic conditions of capitalist c economic trends in 1962 and the b Ekonomicheskoe polozhenie kapitr kon'iunkturnyi obzor za 1962 g. i n skva, Izd-vo "Pravda," 1963. 16

ECONOMIC HISTORY—AUDIO-VISU

[We are building communism and w communism; a visual aid for prop studying the materials of the 22d C My kommunizm stroim; nam v kon nagliadnoe posobie po materialam dlia propagandistov i agitatorov. [Moskva, Gospolitizdat, 1963] 32

ECONOMIC HISTORY—CONGRESSES

The Second International Conferenc tory. S. M. Stanislavov, V. A. IAk no. 8:189-192 Ag '63.

ECONOMIC POLICY

Economic role of the socialist stat scale building of communism. L, V. Kashin. Vop. ekon. no. 8:154-

ECONOMIC RESEARCH

(see also subdivision under Mosc Far East; Ukraine)

Current tasks of historico-economi Ekon. Rad. Ukr. no. 4:11-20 Jl-A

In the Academic Council on the Improvement of the Methods and Indices of National Economic Planning of the Academy of Sciences of the U. S. S. R. A. Klinskii. Vop. ekon. no. 8 151-154 Ag '63.

ECONOMIC ZONING

Some aspects of economic zoning. V. G. Plzikov. Trudy Alt. GMNII AN Kazakh. SSR 14 191-203 '63.

ECONOMICS

"A course in economics" in two volumes. Vop. ekon. no. 8:160 Ag '63.

Criterion of economic efficiency. B. Valnshtein. Vop. ekon. no. 9:136-141 S '63.

Economics and the ideological struggle. L. Leont'ev. Vop. ekon. no. 8,27-42 Ag '63.

Larionov, K. A., and P. A. Kashutin, eds. [Economics] Politicheskaia ekonomiia, uchebnoe posobie. Moskva, Sotsekgiz, 1963. 430 p.

Na odno-trudovoi soiuz. [Brief course in economics] Kratkii kurs politicheskoi ekonomii Pod obshchei red L. L Zal'tsberga [Frankfurt-na-Maine, Sots ekonom. seminar NTS] 1958. 177 p (MH)

Nauchnoe soveshchanie po primeneniiu matematicheskikh metodov v ekonomicheskikh issledovaniiakh, Moscow, 1960. [Transactions of the Conference on the Application of Mathematical Methods in Economic Research] Trudy. Moskva, Akad. nauk SSSR.

Vol 2. [Mathematical analysis of expanded capital reproduction] Matematicheskii analiz rasshirennogo vosproizvodstva. 1962. 260 p. (CSimoR)

Sample list of problems for dissertations in economics A. Tarunin. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 5:110-115 '63.

Valuable study on the history of Russian economic thought. M. Evsnev. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 5,126-130 '63.

ECONOMICS—AUDIO-VISUAL AIDS

Visual aids for the study of economics in the seventh grade. A. V. Ponomareva. Prep. ist. v shkole 18 no. 5: 58-65 S-O '63.

ECONOMICS—BIBLIOGRAPHY see Bibliography—Economics

ECONOMICS—CONGRESSES

Economic role of the socialist state during the large-scale building of communism. V. Shcherenko and others. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 5: 110-125 '63.

ECONOMICS—STUDY AND TEACHING

(see also subdivision under Novokuznetsk; Saratov; Tashkent Province)

The library is the disseminator of the knowledge of economics. V. Sidorova. Plan. khoz. 40 no. 8:93-94 Ag '63.

Studying economics in a social science course. IU. O. Stepanenko. Rad. shk. 42 no. 6-26-35 Ag '63.

Training significance of a course in the economics of socialism. N. Karotamm. Vop. ekon. no. 9:20-30 S '63.

ECONOMICS—YEARBOOKS see subdivision under Hungary

ECONOMICS, MATHEMATICAL—BIBLIOGRAPHY see Bibliography—Economics, Mathematical

EDDY ELECTRIC CURRENTS see Electric currents, Eddy

EDUCATION (Continued)
Organizing homework in schools with longer hours B. S. Kobzar', Sov. pedag 27 no 6:77-83 Je '63
Our commentaries. Nov. shkola 21 no. 36:1-3 S '63.
A page from the past. . . M P. Nizhynskyi. Rad shk 42 no. 7:12-14 Jl '63.
Pedagogical strategy of schools. Nar. obr no. 8 1-7 Ag '63.
Pedagogical views of Ia. M. Sverdlov. M G. Bushkanets Nach shkola 31 no. 10 91-93 O '63
Republic-wide seminar of the propagandists of pedagogical education. I. I Larina Sov. pedag 27 no 6 136-137 Je '63.
Turning point in the history of the Russian and worldwide revolutionary movement. Sov. pedag. 27 no 7 12-17 Jl '63.
V. I Lenin on training and education Nach. shkola 31 no 10 90 O '63.

EDUCATION—BIBLIOGRAPHY see Bibliography—Education

EDUCATION—CONGRESSES
August conferences of teachers. Nar. obr. no. 8 6-9 Ag '63.
Conference on didactics. Z. Romanovskaia. Nar. obr. no. 8 120-122 Ag '63.
Congress of young scholars M Shatkin, F Monoszon Nar. obr no 6 118-125 Je '63

EDUCATION—PERIODICALS
(see also subdivision under Ukraine)
Read it in the periodicals Nar obr no. 6:116 Je '63
Read it in the periodicals. Nar. obr. no 6:116 Ag '63.
Read it yourself and recommend it to the others! Vech. sred. shkola 6 no. 3 91-92 My-Je '63.

EDUCATION—STUDY AND TEACHING
Synthesis or elimination? I V. Bugaevich. Sov. pedag 27 no. 6 142-144 Je '63.

EDUCATION, COMPULSORY
Cause of the first priority. A. Chernikov. Nar. obr. no 8 10-13 Ag '63.

EDUCATION, COOPERATIVE
(see also subdivision under Ukraine)
Education does not tolerate cliches. O M. Verezub. Rad. shk. 42 no. 8 17-20 Ag '63.
Important conditions for the application of knowledge to work. A. I. Zil'bershtein. Rad shk 42 no. 7:23-26 Jl '63.
Introductory course in organic chemistry and industrial training V G Androsova Khim v shkole 18 no 3 51-54 My-Je '63
Necessary and valuable aid. B. Barash. Nar. obr. no. 8 105-107 Ag '63.
Plant-institutions of higher learning and their future. P. Pletnev. Sov. profsoiuzy 19 no. 14:11-13 Jl '63.
Requirements for the organization of student's work. A. A. Fokin. Shkola i proizv. 7 no 8:48-51 Ag '63
Very important decision Nar obr. no. 6:117-118 Je '63.

EDUCATION, COOPERATIVE—CONGRESSES
All-Russian Congress on the Industrial Training of Urban School Students. Sov. pedag. 27 no. 7 145-149 Jl '63.
Regional conference on theory and practice. A. Shtemberg, IU. Vodianikov. Sov. pedag. 27 no. 7 149-153 Jl '63.

EDUCATION, ELEMENTARY
(see also subdivision under Vologda Province)
Aesthetic concepts in primary school students B T Likhachev Nach. shkola 31 no 7 45-48 Jl '63
Inculcating the concepts "Work as a basis of life" and "Our homeland" in first graders. I I Suknevich. Nach. shkola 31 no 7 17-20 Jl '63
Programmed instruction in elementary schools N. F. Kopeleva. Nach. shkola 31 no. 10, 50-57 O '63.
Teaching reading and writing with an individual approach to the previous training of students L. K Nazarova Nach shkola 31 no 7 8-16 Jl '63

EDUCATION, HIGHER see subdivision under Poland; Sweden

EDUCATION, PRESCHOOL
(see also subdivision under Kharkov Province; Krasnokamsk; Ukraine)
A.S. Makarenko on the work training of little children. O. Frolova. Doshk. vosp. 36 no. 6:45-50 Je '63.
Conference on theory and practice. O. Marusheva'ka. Doshk. vykh. 24 no. 6:47 Je '63.
Discussion goes on. P. Meraon and others. Doshk. vosp. 36 no. 6:58-68 Je '63.
We bring tots up in day nurseries and kindergartens. E. Demina and others. Doshk vosp. 36 no. 6:20-28 Je '63.

EDUCATION, PRESCHOOL—CONGRESSES
Good care for tots. V. Krotov. Nar. obr. no. 8:14-17 Ag '63.

EDUCATION, PRESCHOOL—PERIODICALS
Conference of our readers. Doshk. vykh. 21 no 6 45-47 Jl '63

EDUCATION, PRESCHOOL—TEACHER TRAINING see subdivision under Ukraine

EDUCATION, SECONDARY
One of the progressive forms in the development of secondary schools I IU Gubanov Sov pedag 27 no. 6 145-147 Je '63

EDUCATION AND STATE
Kozlov, IU M [Administration in the field of social and cultural development] Upravlenie v oblasti sotsial'no-kul'turnogo stroitel'stva, uchebnoe posobie po sovetskomu administrativnomu pravu [Moskva] Izd-vo Mosk. univ., 1963. 82 p.

EDUCATION OF ADULTS see Adult education

EDUCATION OF CHILDREN
Raising children is our common concern. G. Sorokina Sov. profsoiuzy 19 no. 13,18-21 Jl '63.

EDUCATIONAL EXCHANGES
Foreign contacts of the Academy of Pedagogical Sciences of the R. S. F. S. R. F. Sokolov Sov. pedag. 27 no. 6:157-160 Je '63.

EDUCATIONAL PSYCHOLOGY
Activities purposeful and random M. Dnilecv Nar. obr no. 6:34-38 Je '63.
Development of preschool quantitative evaluations in children. L. Georgiev. Doshk. vosp. 36 no 6:50-52 Je '63.
Leningrad. Universitet. [Pedagogical essays] Ocherki pedagogiki. [Leningrad] 1963. 310 p.
Who is an educator? G. Uzhova Mol. kommunist no 8:81-85 Ag '63.

EDUCATIONAL RESEARCH
Practice and experiment in didactics. V. O Onyshchuk. Rad. shk. 42 no. 8:41-45 Ag '63.

EEKMAN, JO, 1897-1960
On books. Zhen. mira no. 4:33 '63.

EFFECT OF RADIATION ON METALS see Metals, Effect of radiation on

EFFECT OF TEMPERATURE ON METALS see Metals, Effect of temperature on

EFFICIENCY, INDUSTRIAL
(see also subdivision under Donets Basin; Irkutsk Province, Moscow Province)
Efficiency experts make suggestions Transp stroi. 13 no 7 67 Jl '63.
Let us disseminate progressive experience among many millions of toilers. Komm. Ukr. 38 no 6 2-9 Je '63.
On the captain's bridge of a plant. D. Piskunov. Tekh. mol. 31 no. 9 1-2 '63.
Pay attention to the movement of efficiency promoters N P. Dolgii, N. A Ovsiannikov, L. I. Miloslostova. Kons. i ov prom. 18 no 9 31-42 S '63.
Shcherbinin, A. A. [Operating a drilling machine] U sverlil'nogo stanka. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1962 12 p (Udarniki kommunisticheskogo truda)

EGGS
Inheritance of the inhibition reaction in oviposition by chickens [with summary in English] L. A Alekseevich. Vest. LGU 18 no. 15 133-140 '63.

EGGS—TRANSPORTATION
Mechanization of loading operations of eggs packed in wooden boxes. E. A. Klochkova, G. I. Lifshits. Khol. tekh. 40 no. 3:36-39 My-Je '63.

EGIAZAROV, IVAN VASIL'EVICH, 1893-
Ivan Vasil'evich Egiazarov. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 2/3:3-14 '63.

EGYPT—GRAIN—STORAGE
State of grain storage in the Egyptian part of the United Arab Republic. Atef El-Miligi [Atef El-Meligui]. Dokl. TSKHA no. 62 509-518 '61.

EIKHVAL'D, EDUARD EDUARDOVICH, 1837-1889
E. E. Eikhval'd, prominent Russian therapeutist. A. G. Lushnikov. Fel'd. i akush. 28 no. 2:44-46 F '63.

EKIBASTUS—COMMUNITY AND SCHOOL
With united effort. B. Dlulsekeeva. Part. zhizn' no. 17: 53-58 S '63.

ELASTIC PLATES AND SHELLS
Analytic structure of the solution to the "membrane equation." N. F. Morozov. Dokl. AN SSSR 152 no. 1: 78-80 S '63.
Bending of a heavy circular plate. V. K. Prokopov. Trudy LPI no. 226:103-108 '63.
Establishment of an approximate theory of shells with the aid of asymptotic integration of equations in the theory of elasticity. A. L. Gol'denveizer. Prikl. mat. i mekh. 27 no. 4:603-608 Jl-Ag '63.
Kil'chevskii, N. A. [Fundamentals of the analytic mechanics of shells] Osnovy analiticheskoi mekhaniki obolochek Kiev, Izd-vo Akad. nauk USSR, 1963 353 p.
Nikol'skii, E. N. [Railroad-car-type shells with openings, theoretical bases for stress investigations] Obolochki s vyrezami tipa vagonnykh kuzovov, teoreticheskie osnovy issledovaniia napriazhenii Moskva, Mashgiz, 1963. 311 p.
Some problems bearing on a cylindrical flexure of three-layered plates with allowance for highly elastic deformation of the casing made of glass plastics. A. A Nikishin, A. L. Rabinovich. Dokl. AN SSSR 151 no. 3 528-531 Jl '63.
Stability of a fasymmetric deformations of spherical shells under axisymmetric load A V Pogorelov Dokl AN SSSR 151 no 5 1053-1055 Ag '63.

ELASTIC PLATES AND SHELLS—VIBRATION
Natural vibrations of a rectangular perforated plate R F. Nagaev. Trudy LPI no. 226 117-122 '63
Steady-state vibrations of a plate supported along the edge A. I. Likhoded. Prikl. mat. i mekh. 27 no. 4: 715-750 Jl-Ag '63

ELASTIC RODS AND WIRES
Displacement of the cross sections of a rectilinear rod consisting of elements with continuously changing cross sections. S. I Shevelov. Trudy LIITSBP no. 8, 186-192 '61.
Generalization of the theory of thin rods. O. B. Golubev. Trudy LPI no. 226 83-92 '63.
Stability of cylindrical rod systems V A. Eriagina Izv. vys. ucheb. zav., stroi i arkhit. 6 no 2:26-30 '63

ELASTIC RODS AND WIRES—VIBRATION
Vibrations of rod systems with circular junctions. A. S. Semenov, V. A. Troitskii. Trudy LPI no 226.123-144 '63.

ELASTIC WAVES
Influence of the intrinsic photoeffect on the damping of elastic waves in Ge. V. M. Beilin and others. Fiz tver. tela 5 no. 8 2371 Ag '63.
Study of the effect of uniaxial compression on the velocity of elastic waves in rock specimens under conditions of high hydrostatic pressure. M. P. Volarovich and others. Izv. AN SSSR. Ser. geofiz no. 8:1190-1205 Ag '63.

ELASTICITY
A contact problem in the theory of elasticity for bodies of limited size. A. F Khrustalev. Dokl. AN SSSR 151 no. 5 1056-1059 Ag '63.
Elasticity modulus of hard alloys of tungsten carbide-cobalt M I Baskin, V I Tumanov V I Funke Fiz met i metalloved 16 no 1 113-116 Jl '63
Solution of the plane problem of the theory of elasticity with the aid of electric modeling of conformal mapping A. G. Ugodchikov. Trudy GISI no 30:3-41 '61.
Some contact problems for an elastic layer. V. M. Aleksandrov. Prikl. mat. i mekh. 27 no. 4, 758-764 Jl-Ag '63.
Stability of a bending elastically pliable band. B. B. Lampsi. Trudy GISI no. 30:43-46 '61.
Use of the method of least squares in solving the fundamental plane problems in the mathematical theory of elasticity for regions limited by closed contours. T. D. Akhmedov. Sbor. nauch.-issl. rab. TTI no. 15. 53-90 '62.
Vibrations of elastic bodies of finite conductivity in a transverse magnetic field. IA. S. Ufland Prikl. mat. i mekh. 27 no. 4:740-744 Jl-Ag '63.
Waves caused by an instantaneous discontinuity in an elastic medium. L. M. Flitman. Prikl. mat. i mekh. 27 no. 4 618-628 Jl-Ag '63.

ELASTOMERS
Akbashev, B. Z. [Use of the GEN-150 (V) elastomer for the restoration of the tightness and hermetic sealing of joints] Primenenie elastomera marki GEN-150 (V) dlia vosstanovleniia natigov i germetizatsii soedinenii. Moskva, Transzheldorizdat, 1963. 18 p. (Sostizheniia nauki i tekhniki v proizvodstvo)

ELECTION LAW
(see also subdivision under Uzbekistan)
"Soviet election law" by V. A. Rinsentsev and "Basic principles of Soviet election law" by S. P. Landkof. V. Ionas. Sov. iust. no. 9:23 My '63.

ELECTRETS
Effect of infrared radiation on the electret state in naphthalene. F. I. Polovikov. Fiz. tver. tela 5 no. 7: 1930-1932 Jl '63.

ELECTRIC APPARATUS AND APPLIANCES
In brief about developments Prom. energ 18 no 7: 37-38 Jl '63.
Serial electrical equipment in large blocks. A. A. Ermilov. Prom. energ. 18 no. 8:54-55 Ag '63.
Transfer line for the manufacture of a body and bottom of an electric socket. I. B. Mozyrskii, A. F. Listopad. Khim. mashinostr. no. 4:42-13 Jl-Ag '63.

ELECTRIC APPARATUS AND APPLIANCES—HANDBOOKS, MANUALS, ETC.

Astrebov, P. P., ed. [Electrical engineering and electric equipment] Elektrotekhnika i elektrooborudovanie, obshchii kurs. [By] N. L. Amatuni i dr. [Moskva] Rozvuzizdat, 1963. 646 p.

ELECTRIC APPARATUS AND APPLIANCES—SAFETY REGULATIONS

Comparative classification of explosion hazardous mixtures and labeling of explosionproof electrical equipment. IU. M. Ribas. Prom. energ. 18 no. 5:37-43 My '63.

Principal changes and additions to regulations governing the "Electrical equipment of explosion-hazardous systems." I. I. Rakovich. Prom. energ. 18 no. 5:43-46 My '63.

ELECTRIC APPARATUS AND APPLIANCES—STANDARDS

Concerning P. F. Kovalev's article. V. S. Tulin, V. G. Fenkral'ev. Vest. elektroprom. 34 no. 8:60-61 Ag '63.

Standardization of regulations and norms in the manufacture of electrical equipment. P. G. Kovalev. Vest. elektroprom. 34 no. 8:57-60 Ag '63.

ELECTRIC APPARATUS AND APPLIANCES—TESTING

Methods for determining the reliability of electric apparatus during testing. S. D. Sokolov. Trudy TSNII MPS no. 261:47-54 '63.

ELECTRIC ARC

Electric characteristics of a high-pressure arc in xenon. R. F. Rovinskii. Zhur. tekh. fiz. 33 no. 4:489-493 Ap '63.

Study of a.c. arc quenching processes in chambers with narrow slots. I. S. Tsev. Izv. vys. uchcb. zav., elektromekh. 6 no. 6:757-767 '63.

ELECTRIC BATTERIES

Analysis of multielectrode galvanic systems by means of equivalent electrical circuits [with summary in English]. IU. IA. Iosel', K. B. Shchigolevskii. Zhur. fiz. khim. 37 no. 8:1689-1693 Ag '63.

Circuit for measuring the impedance of an electrochemical cell. I. A. Krinchikov, M. R. Burakov. Zav. lab. 29 no. 8:1014 '63.

ELECTRIC BREAKDOWN see Breakdown, Electric

ELECTRIC BRUSHES see Brushes, Electric

ELECTRIC CABLES

[Technical documentation on cable jointing sleeves] Tekhnicheskaia dokumentatsiia na kabel'nye mufty. Moskva, Gosenergoizdat.

No. 14. [Joining sleeves and termination of three-wire 1 kv cables with aluminum sheathing used as common neutral wire (fourth strand)] Mufty i zadelki na trekhzhil'nykh kabeliakh s alium inievoi obolochkoi na napriazhenie 1 kv pri ispol'zovanii obolochki v kachestve nulevogo rabochego provoda (chetvertoi zhily). 1963. 55 p.

ELECTRIC CIRCUITS

Stability of the conditions of electric circuits with negative resistance element. V. V. Sokolov. Izv. vys. ucheb. zav.; prib. 6 no. 3:63-67 '63.

Thermodynamic interpretation of the Manley-Rowe theorem in the theory of nonlinear electric oscillations [with summary in English]. V. A. Fabrikov. Inzh.-fiz. zhur. 6 no. 7:60-65 Jl '63.

ELECTRIC COILS

Simple demonstration of the dependence of the self-inductance of a choke-coil on the series connection of its "sections." A. R. Regel'. Uch. zap. Ped. inst. Gerts. 197:229-230 '58.

Special features of the design of inductance coils. I. Vasil'kevich. Radio no. 8:46-48 Ag '63.

ELECTRIC COILS—TESTING

Use of a quartz magnetometer in testing Helmholtz coils. IU. G. Mekhet. Trudy inst. Kom. stand., mer i izm. prib. no. 72-85-93 '63.

ELECTRIC CONDUCTIVITY

Apparatus for the accurate measurement of the electric conductance of solutions. B. A. Lopatin, A. V. Gulin. Zav. lab. 29 no. 8:1014-1015 '63.

Relation between the melting point and a change in the n-type conductivity of a substance in melting. A. R. Regel'. Uch. zap. Ped. inst. Gerts. 197:187-191 '58.

ELECTRIC CONDUCTIVITY—MEASUREMENT

Measuring the input conductivity of tubes operating in a pulsed system. O. S. Kolotov. Prib. i tekh. eksp. 8 no. 3:93-96 My-Je '63.

Modified apparatus for measuring electric conductivity in a rotating magnetic field. F. Gaibullaev. Uch. zap. Ped. inst. Gerts. 197:130-140 '58.

ELECTRIC CONTACTORS

Constant heating and resistance of closed electrical contactors. N. E. Lysov. Izv. vys. ucheb. zav.; elektromekh. 6 no. 6:743-756 '63.

Steady heating of electric contactors. N. E. Lysov. Izv. vys. ucheb. zav.; elektromekh. 6 no. 8:922-935 '63.

ELECTRIC CONTROLLERS

Development of automatic regulators designed by the All-Union Heat-Engineering Institute. V. D. Mironov. Priborostroenie no. 9:25-27 S '63.

High-speed controller for electric arc furnaces. V. P. Tsukanov, G. A. Pakhomov. Prom. energ. 18 no. 5:16-20 My '63.

Steady-state conditions in electric current transformers with excitation operating in a three-phase network with an active-inductive d.c. load. M. G. Minasbekian. Izv. vys. ucheb. zav., elektromekh. 6 no. 6:689-696 '63.

ELECTRIC CONTROLLERS—VIBRATIONS

Natural vibrations of relay regulators with a flexible feedback. I. K. Kiselev. Shor. nauch. trud. IIT no. 10:5-19 pt. 2 '62.

ELECTRIC CRANES

Hoisting cranes for locomotive repair shops. M. L. Briker. Zhel. dor. transp. 45 no. 8:72-75 Ag '63.

Thermal protection in the electric motors of crane mechanisms. S. I. Kitsis. Prom. energ. 18 no. 8:20-21 Ag '63.

ELECTRIC CRANES—BRAKES

Connection of single-phase brake magnets in the electrical networks of cranes. N. F. Karnaukh. Prom. energ. 18 no. 5:20-21 My '63.

ELECTRIC CURRENT CONVERTERS

Flip-flop current converter. L. N. Bykov. Priborostroenie no. 7:12-15 Jl '63.

Nonsymmetric bridge-type mercury-arc converters. O. A. Maevskii. Izv. vys. ucheb. zav.; elektromekh. 6 no. 6:697-711 '63.

Three-phase inverter with electronic commutation. IU. G. Tolstov. Elektroenergetika no. 7:110-127 '64.

Use of electronic computers for calculating electromagnetic processes in converter systems. Chen I-min', [Ch'en I-min] Elektroenergetika no. 7:128-135 '64.

ELECTRIC CURRENT RECTIFIERS

Automatic switching of mercury-arc rectifier units of a traction substation dependent on the load. B. N. Grinkov. Trudy TSNII MPS no. 261:103-117 '63.

Errors of a rectifying power converter caused by the distortion of the current and voltage curve form. O. S. Shvegzhda. Izv. vys. ucheb. zav., prib. 6 no. 3:19-25 '63.

Mercury rectifiers and rectifier units using silicon valves. Prom. energ. 18 no. 5:63 My '63.

Operating characteristics of electric charging devices with semiconductor rectifiers for use in mines. S. A. Volotkovskii and others. Vest. elektroprom. 34 no. 8:62-64 Ag '63.

Operation of series mercury rectifier circuits. A. A. Galuzo. Zhel. dor. transp. 45 no. 8:69-72 Ag '63.

Series of synchronous generators with increased frequency and self-excitation by selenium rectifiers. V. M. Davtian, Zh. D. Davidian. Vest. elektroprom. 34 no. 8:19-23 Ag '63.

Simplified rectifier grid protection network. E. S. Pochaevets. Elek. i teplotiaga 7 no. 6:13 Je '63.

Testing of selenium rectifier columns of Dia cells. V. A. Brunshtein, E. P. Neiyks. Avtom., telem. i svias' 7 no. 8:30-31 Ag '63.

ELECTRIC CURRENTS

Conversion of intensive monochromatic radiation into electric current. N. G. Basov, O. N. Krokhin. Fiz. tver. tela 5 no. 8:2384-2386 Ag '63.

Excitation of a finite cylinder by a Hertz dipole [with summary in English]. E. N. Vasil'ov. Izv. vys. ucheb. zav., radiofiz. 6 no. 3:591-607 '63.

Firgang, E. V. [Electrostatics. Direct current. Lectures in physics] Elektrostatika. Postoiannyi elektricheskii tok. Lektsii po fizike. Moskva, Mosk. poligraficheskii in-t, 1961. 100 p.

ELECTRIC CURRENTS—GROUNDING
(see also subdivision under Armenia)

Concerning V. P. Brimerberg's article "Use of the framework of a hydroelectric power station as a grounding system," N. A. Korzh. Elek. sta. 34 no. 6:87-88 Je '63.

ELECTRIC CURRENTS—MEASUREMENT

A 10^{-11}-a current integrator based on a C-95 static voltmeter. V. V. Iakushin. Prib. i tekh. eksp. 8 no. 3:104-105 My-Je '63.

ELECTRIC CURRENTS, ALTERNATING

Sinusoidal nature of industrial alternating current. P. G. Red'ko. Uch. zap. Ped. inst. Gerts. 197:231-237 '58.

ELECTRIC CURRENTS, EDDY

Eddy currents in a thin-walled nonmagnetic rectangular tube moving relative to the inner magnetic poles. B. F. Kononkov, A. B. Sapozhnikov. Izv. vys. ucheb. zav., fiz. no. 4:70-77 '63.

Integrator for the measurement of eddy currents. V. I. Ivanova. Trudy TSNII MPS no. 261:118-121 '63.

ELECTRIC DISCHARGES

Atmospheric corrosion of magnesium in the corona discharge [with summary in English]. I. L. Rotkh, S. G. Belitskaia. Zhur. fiz. khim. 37 no. 8:1691-1698 Ag '63.

Discharge delay in a regulated arc gap with a gas generating ignition device. I. A. Komovalova. Izv. vys. ucheb. zav., energ. 6 no. 8:110-111 Ag '63.

Measurement of the energy of a spark discharge in solid dielectrics using an oscillograph. V. I. Obukhov. Izv. vys. ucheb. zav., energ. 6 no. 8:28-33 Ag '63.

Pulse discharge in a fast air flow [with summary in English]. B. V. Lalachev. Zhur. eksp. i teor. fiz. 45 no. 2:383-387 Ag '63.

Source of molecular hydrogen ions for the "Ogra" apparatus. P. M. Morozov, I. N. Filigonov. Zhur. tekh. fiz. 33 no. 1:170-178 Ap '63.

Study of a high-voltage discharge in a vacuum at a frequency of 25 Mc. IU. N. Nikolaev. Zhur. tekh. fiz. 33 no. 1:179-185 Ap '63.

ELECTRIC DISCHARGES—MEASUREMENT

Measuring the energy of a powerful electric discharge. V. V. Pedanov, G. A. Sinel'nikov-Maryiev. Prib. i tekh. eksp. 8 no. 3:113-117 My-Je '63.

ELECTRIC DISCHARGES THROUGH GASES

Analytical use of a gas discharge tube with a double hollow cathode. N. P. Ivanov, E. N. Andrikhanis. Zav. lab. 29 no. 8:1002-1005 '63.

Effect of the afterglow on the duration of the ultrashort light flashes occurring in a spark discharge. S. I. Andreev, M. P. Vanitkov. Zhur. tekh. fiz. 33 no. 7:859-863 Jl '63.

Instability of a gas discharge in a magnetic field devoid of longitudinal current. A. V. Timofeev. Dokl. AN SSSR 152 no. 1:84-87 S '63.

Widening of a gas discharge channel. S. T. Bondarenko. Zhur. tekh. fiz. 33 no. 4:486-488 Ap '63.

ELECTRIC DRIVING
(see also subdivision under United States)

Active current measuring unit for electronic VI control apparatus. F. K. Rinkus. Elek. sta. 34 no. 6:68-71 Je '63.

Automatic regulation of the voltage of a synchronous generator in a frequency regulated electric drive system. V. A. Bateev, N. A. Smolin. Vest. elektroprom. 34 no. 8:14-16 Ag '63.

Calculation of the electric drive of a cart with suspended load. M. M. Perel'muter. Izv. vys. ucheb. zav., elektromekh. 6 no. 8:952-960 '63.

Mechanical characteristics of a two-motor rectifier-machine stage. A. S. Sandler, I. IA. Shapiro. Izv. vys. ucheb. zav., elektromekh. 6 no. 6:671-675 '63.

Problems concerning the design of electric drives with synchronous electric motors. R. G. Gitkis. Prom. energ. 18 no. 7:25-28 Jl '63.

Radchenko, L. A. [Control of automated electric drives] Upravlenie avtomatizirovannym elektroprivodom, posobie po laboratornym rabotam. Kiev, Gostekhizdat USSR.

Pt. 1. 1963. 336 p.

Simulation of the operating drive of flying shears. IU. A. Borisov, IU. S. Shestakov. Izv. vys. ucheb. zav. energ. 6 no. 8:45-51 Ag '63.

Start of the electric motors of continuous line systems. V. A. Motora. Prom. energ. 18 no. 8:18-19 Ag '63.

Study of various electric drive networks for the ESh-6/60 dragline excavator. V. I. Akovlev and others. Elektrichestvo 7:34-39 Jl '63.

ELECTRIC ENGINEERING

Brief reports on developments in the U. S. S. R. Prom. energ. 18 no. 8:57-58 Ag '63.

For unification of regulations for operating electrical systems. Prom. energ. 18 no. 8:2-4 Ag '63.

Review of classical methods in theoretical electrical engineering. N. N. Lunicheenko. Izv. vys. ucheb. zav., energ. 6 no. 8:108-109 Ag '63.

Seminar of electric power engineers. Biul. tekh.-ekon. inform. Tekh. upr. Min. morflota 7 no. 11:57-58 '62.

Theory and practice of the design of electrotechnical units and of multiampere busducts. A. I. Rutskii. Shor. nauch. trud. Bel. politekh. inst. no. 66:179-183 '57.

ELECTRIC ENGINEERING—ABSTRACTS

[Electrical engineering and electric power] Ref. zhur.: Elektrotekh. i energ. nos. 8-9 Ag-S '63.

ELECTRIC ENGINEERING—BIBLIOGRAPHY see Bibliography—Electric engineering

ELECTRIC ENGINEERING—DICTIONARIES

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Terminologicheskii komitet. [Dictionary of technical terms on mechanization and electrification of agriculture] Slovar' tekhnicheskikh terminov po mekhanizatsii i elektrifikatsii sel'skogo khoziaistva. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 49 p.

ELECTRIC ENGINEERING—HANDBOOKS, MANUALS, ETC.

Astrebov, P. P., ed. [Electrical engineering and electric equipment] Elektrotekhnika i elektrooborudovanie, obshchii kurs. [By] N. L. Amatuni i dr. [Moskva] Rozvuzizdat, 1963. 646 p.

ELECTRIC ENGINEERING—LABORATORY MANUALS

Leningrad Universitet. Fizicheskii fakul'tet [Laboratory work on linear systems] Laboratornye raboty po lineinym sistemam. [Leningrad] 1963 168 p

ELECTRIC ENGINEERING—MATERIALS

Suggestions having received recognition at the 15th All-Union Competition on the Saving of Thermal and Electric Power. Prom. energ. 18 no. 5:54-57 My '63

ELECTRIC ENGINEERING—STANDARDS

International electrical engineering standards. Elek. sta. 34 no. 6:95 Je '63

International electrical engineering standards. Elektrichestvo 7:95-96 Jl '63

ELECTRIC ENGINEERING—STUDY AND TEACHING
(see also subdivision under Minsk)

Purpose and place of the electric engineering course in secondary schools. P. I. Stavskii. Shkola i proizv. 7 no. 8:55-60 Ag '63.

ELECTRIC EQUIPMENT INDUSTRY
(see also subdivision under Moscow; Vilnius)

Brief reports on developments in the U.S.S.R. Prom. energ. 18 no. 5:59-60 My '63.

In the factories. Prom. energ. 18 no. 5:53 My '63.

In the factories. Prom. energ. 18 no. 8:53 Ag '63.

Outstanding workers of electric equipment plants. Avtom., telem. i sviaz' 7 no. 8:24 Ag '63.

Through the pages of trade journals. Prom. energ. 18 no. 8:61-62 Ag '63.

ELECTRIC EQUIPMENT INDUSTRY—MANAGEMENT
(see also subdivision under Moscow)

Economic effectiveness of the mechanization and automation of finishing operations in the manufacture of electric instruments. N. P. Ivantsova. Priborostroenie no. 9:23-24 S '63.

ELECTRIC EQUIPMENT INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Kharkov

ELECTRIC FANS see Fans, Electric

ELECTRIC FIELDS

Mass spectrometers with two-dimensional electric and magnetic fields. V. M. Kel'man, I. V. Rodnikova. Zhur. tekh. fiz. 33 no. 4:387-392 Ap '63

Temperature dependence of the electric field gradient in the ferroelectric $NaNO_2$. A. G. Lundin, S. P. Gabuda. Fiz. tver. tela 5 no. 7:2009-2011 Jl '63.

Volt-ampere characteristics of semimetals in crossing electric and magnetic fields. V. P. Kalashnikov. Fiz. met. i metalloved. 16 no. 1:19-23 Jl '63

ELECTRIC FILTERS

Design of superhigh frequency band-pass filters. O. I. Mazepova, A. L. Fel'dshtein, L. R. IAvich. Radiotekhnika 18 no. 6:15-25 Je '63.

Electronic filter with a parallel electron tube. IA. I. Tetel'baum. Izv. vys. ucheb. zav., radiotekh. 6 no. 3:292-300 My-Je '63.

Sil'vinskaia, K. A. [Design of equalizers and filters using master forms] Raschet vyravnivatelei i fil'trov pri pomoshchi shablonov. Moskva, Sviaz'izdat, 1963. 95 p. (Lektsii po tekhnike sviazi)

Theory of narrow-band self-adjusting filters. IU. A. Iovlev and others. Trudy LPI no. 226:157-169 '63.

Use of dispersive dielectrics in the capacitive elements of the lower frequencies of microwave filters. D. B. Khallapin. Radiotekh. i elektron. 8 no. 9:1639-1641 S '63.

ELECTRIC FREQUENCY METERS see Frequency measurements

ELECTRIC FURNACES

Design of graphite heaters for electric furnaces. B. K. Loksha. Izv. vys. ucheb. zav.; elektromekh. 6 no. 5:619-627 '63.

Distribution of electric current in the tank of an electric ore-smelting furnace. P. V. Sergeev. Elektrichestvo 7:88-89 Jl '63.

Efficient electric conditions in the smelting of titanium slag. E. E. Movesesov and others. Titan i ego splavy no. 9:119-122 '63.

High-speed controller for electric arc furnaces. V. P. TSukanov, G. A. Pakhomov. Prom. energ. 18 no. 5:16-20 My '63.

Mal'kevich, A. V. [Programmed operation of electric furnaces for the testing of heat-resistant materials] Programmnaia rabota elektricheskikh pechei pri ispytanii zharoprochnykh materialov. Leningrad, 1963. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Elektricheskie metody obrabotki materialov, metallovedenie i termicheskaia obrabotka, no. 4)

Nominal voltages and currents of ore reduction and ore smelting furnaces. G. F. Platonov. Prom. energ. 18 no. 8:15-17 Ag '63.

VU-5086 computer and high-speed electronic automatic controller for regulating power supply to electric arc furnaces. IU. E. Efromovich and others. Prom. energ. 18 no. 7:7-8 Jl '63

ELECTRIC GENERATORS

Analysis of a model for an ion recharge electrostatic generator. IU. M. Khirnyi, L. N. Kochemasova. Prib. i tekh. eksp. 8 no. 3:25-29 My-Je '63

Asynchronous characteristics of synchronous generators. N. B. Glagoleva and others. Elektrichestvo 7:29-33 Jl '63

Asynchronous generator-converter unit for autonomous power supply of electric power tools. V. S. Frishman, V. K. Kaplenko. Prom. energ. 18 no. 8:9-11 Ag '63.

Automatic control unit using transistor elements for diesel generators. A. P. Ariste, E. T. Vel'mre, IU. A. Tisler. Priborostroenie no. 7:16-18 Jl '63.

Automatic regulation of the voltage of a synchronous generator in a frequency regulated electric drive system. V. A. Fatuev, N. A. Smolin. Vest. elektroprom. 34 no. 8:14-16 Ag '63

Choice of the principal dimensions of an asynchronous tachometer generator. G. S. Somikhina. Izv. vys. ucheb. zav., elektromekh. 6 no. 8:936-945 '63.

Effect of steel saturation in the transverse axis of a salient-pole synchronous generator on some of its operating modes. N. V. Shul'gin. Elektroenergetika no. 7:84-90 '63

Introduction of changes and additions to the instructions on the operation and repair of generators in electric power plants. Elek. sta. 34 no. 6:89-91 Je '63

Maximum power rating of electrostatic generators. A. F. Kalganov, V. V. Patsevich. Izv. vys. ucheb. zav.; elektromekh. 6 no. 8:917-921 '63.

Series of synchronous generators with increased frequency and self-excitation by selenium rectifiers. V. M. Davtian. Zh. D. Davidian. Vest. elektroprom. 34 no. 8:19-23 Ag '63.

What causes pole demagnetization in the generators of the control systems of electric locomotives and multiple-unit trains? A. M. Ivanov, N. K. Egorov. Elek. i tepl. tiaga no. 7:34-36 Jl '63.

Windmill generator. IU. Fedorvoskii. Radio no. 8:49-51 Ag '63

ELECTRIC GENERATORS—TESTING

Aleshin, N. I., and F. S. Davidovich. [Loading devices for testing naval generators] Nagruzochnye ustroistva dlia ispytaniia sudovykh generatorov. Leningrad, Sudpromgiz, 1963. 82 p.

ELECTRIC INSTRUMENTS

Structural measures for increasing the stability of electrostatic instruments. S. M. Pigin. Priborostroenie no. 9:1-3 S '63.

ELECTRIC INSULATORS AND INSULATION

Decrease of the insulation disruptive voltage in electric power systems during certain kinds of switching surges. G. N. Aleksandrov, I. F. Polovoi. Elektrichestvo 7:86-87 Jl '63.

Electric characteristics of the contact TlO_{2-x} - Ag divided by an insulating layer. V. A. Dorin, A. IA. Patrakova. Fiz. tver. tela 5 no. 8:2065-2069 Ag '63.

Lysachenko, I. A. [Electric and radio engineering insulating materials] Elektro-radioizoliatsionnye materialy. Moskva, Sviaz'izdat, 1963. 134 p.

Reply of the authors. I. S. Stekol'nikov, E. M. Bazelian. Elektrichestvo 7:87-88 Jl '63.

Study of special designs of rainwashed support insulators. V. N. Trusova. Vest. elektroprom. 34 no. 8:48-52 Ag '63

Synthesis of terephthalic polyesters and their use as a base for the production of impregnation lacquers for electric insulation materials. R. S. Kholodovskaia, K. I. Zabyrina, N. M. Spivak. Lakokras. mat. i ikh prim. no. 3:12-16 '63

Use of epoxide adhesives in gluing porcelain. I. V. Dvoinikov. Elek. sta. 34 no. 6:83-84 Je '63.

ELECTRIC INSULATORS AND INSULATION—DRYING

Kinetics of radiation convective pulsatory drying of cable insulation. IU. K. Koptelov, A. I. Zuev. Sbor. nauch. trud. IEI no. 10:52-61 pl. 2 '62.

ELECTRIC LABORATORIES

Concerning A. I. Safronov's article "Mobile high-voltage laboratories." A. K. Shuman, G. I. Dunets. Prom. energ. 18 no. 8:59-60 Ag '63.

ELECTRIC LAMPS

New light sources (from "Electrical Construction and Maintenance," no. 12 1961). IA. E. Vol'fkovich. Prom. energ. 18 no. 5:51-52 My '63.

ELECTRIC LIGHT FIXTURES—CLEANING

Use of an ultrasonic technique for cleaning the light scattering glass of outdoor-type electric lighting fixtures (from "Electrical World," no. 9, 1962). IA. E. Vol'fkovich. Prom. energ. 18 no. 5:52-53 My '63.

ELECTRIC LINES

Achievement of the cable-laying unit. S. V. Chirkov. Transp. stroi. 13 no. 7:39-40 Jl '63.

Initial corona potentials on electric lines. N. B. Bogdanova. Elektroenergetika no. 7:3-15 '63.

Prevention of faulty operation of relay protection and disconnection of one side of a line equipped with nonsynchronous automatic reclosing. L. B. Paperno. Elek. sta. 34 no. 6:85 Je '63.

ELECTRIC LINES—CORROSION

Shielding action of underground metal structures with consideration of the galvanic effect of d. c. railroads. L. D. Razumov. Elektrichestvo 7:81-86 Jl '63.

ELECTRIC LINES—OVERHEAD

Concerning I. K. Fedchenko and B. N. Kondrat'ev's article. G. N. Aleksandrov, S. I. Zolenta, M. V. Kostenko. Izv. vys. ucheb. zav., energ. 6 no. 8:121-125 Ag '63

An economical electric power transmission line. L. A. Raitsel'skii. Elektrichestvo 7:19-22 Jl '63.

Introduction of changes in the safety engineering regulations for operating overhead power transmission lines with voltages in excess of 1,000 volts. Elek. sta. 34 no. 6:91 Je '63

Remotely controlled protection of a. c. overhead contact systems. S. S. Rozov. Elek. i tepl. tiaga no. 8:16-17 Ag '63.

ELECTRIC LINES—POLES AND TOWERS

Prestressed piles made of close-grained autoclaved concrete. G. L. Bazhenov and others. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 2:14-54 '63.

ELECTRIC LINES—UNDERGROUND

Device for measuring soil temperature. E. P. Kurbatova, V. IU. Shteingardt. Avtom., telem. i sviaz' 7 no. 8:37-38 Ag '63.

ELECTRIC LOCOMOTIVES
(see also subdivision under Czechoslovakia)

Chernov, R. V. [Nonsinusoidal currents in the power networks of a. c. rectifier locomotives] Nesinusoidal'nye toki v silovykh tsepiakh vyprjamitel'nykh elektrovozov peremennogo toka; lektsiia po distsipline "Elektrooborudovanie podvizhnogo sostava elektrifitsirovannykh zheleznykh dorog" dlia studentov V kursa spetsial'nosti "Elektrifikatsiia zheleznykh dorog." Moskva, Vses. zaochnyi in-t inzhenerov zhel.-dor. transp., 1963. 27 p.

Choice of drives for the auxiliary equipment of a. c. locomotives. A. I. Adamenko. Izv. vys. ucheb. zav.; elektromekh. 6 no. 8:998-1003 '63.

Effect of the operation of electric rolling stock on the coupling factor. I. P. Isaev. Elektrichestvo 7:12-19 Jl '63.

"Electric locomotive manufacture" published by the Electric Locomotive Scientific Research Institute. A. P. Bilenko. Elek. i tepl. tiaga 7 no. 6:40 Je '63.

Lessons learned last winter. S. Sh. Gol'dvarg. Elek. i tepl. tiaga 7 no. 6:34-35 Je '63.

New design of the intersectional coupling of the electric network of the VL8 electric locomotive. G. K. Kobidze. Elek. i tepl. tiaga no. 7:18-19 Jl '63.

New electrical apparatus of the VL60 electric locomotive. A. I. Chernov, B. A. Belov. Elek. i tepl. tiaga 7 no. 6:28-30 Je '63.

Practical recommendations on the ChS2 electric locomotive. IU. V. Sentiushkin, V. T. Rogov, G. A. Chilikin. Elek. i tepl. tiaga 7 no. 6:31-33 Je '63.

Practical recommendations on the ChS2 electric locomotive. IU. V. Sentiushkin, V. T. Rogov, G. A. Chilikin. Elek. i tepl. tiaga no. 7:27-29 Jl '63.

Reply to the inquiries of our readers. V. V. Privalov, A. I. Kondrat'ev, G. N. Khatkevich. Elek. i tepl. tiaga 7 no. 6:37 Je '63.

Simple method for converting to one section operation on the VL8 electric locomotive. V. N. Lukin, A. N. Vladimirov. Elek. i tepl. tiaga 7 no. 6:36-38 Je '63.

Some modifications of the electric circuit for the VL60 electric locomotive. M. A. Katser. Elek. i tepl. tiaga no. 7:22-24 Jl '63.

Switching of transformer winding stages using a resistance. V. N. Bezruchenko, V. K. Varchenko. Elek. i tepl. tiaga 7 no. 6:12-13 Je '63.

Type TRE-1 temperature relay for a. c. locomotives. I. F. Kodintsev. Elek. i tepl. tiaga no. 7:5 Jl '63.

ELECTRIC LOCOMOTIVES—BATTERIES

Device for filling slotted storage batteries with the battery solution. P. U. Vertel'nikov. Elek. i tepl. tiaga no. 7:12-13 Jl '63.

Static charge system of the series K electric locomotive. V. P. Shtorn, N. A. Kostin. Elek. i tepl. tiaga no. 7:37-40 Jl '63.

ELECTRIC LOCOMOTIVES—BRAKES

Our method to secure an accurate performance of the regenerative braking circuit of the VL8 electric locomotive; from the practices of the Zlatoust Depot of the Southern Urals Railroad. A. M. Khripunov, A. D. Shestakov, M. E. Shepilov. Elek. i tepl. tiaga no. 8:13-16 Ag '63.

ELECTRIC LOCOMOTIVES—ELECTRIC EQUIPMENT

Interference preventing capacitive filters on electric locomotives. IU. I. Krylov. Avtom., telem. i sviaz' 7 no. 8:41-43 Ag '63.

Permissible sensitivity of a slippage relay. E. G. Bove. Elek. i tepl. tiaga 7 no. 6:38-41 Je '63.

ELECTRIC LOCOMOTIVES—LUBRICATION

Method for analyzing dry lubricating graphite. N. N. Tumanov. Elek. i tepl. tiaga no. 7:16 Jl '63.

ELECTRIC LOCOMOTIVES—MAINTENANCE AND REPAIR

Experience in the operation of passenger electric locomotives on lengthened haul distances. A. I. Vstavskii, D. A. Kutasov. Elek. i tepl. tiaga no. 8 4-6 Ag '63.

How to detect and eliminate failures of the voltage regulator. V. P. Cherlenkov. Elek. i tepl. tiaga no. 7:30-31 Jl '63.

New developments in the repairing of electric locomotives in the plant. L. V. Lisitsyn. Zhel. dor. transp. 45 no. 7, 68-71 Jl '63.

Repair of the inverse firing indicators for the ignitrons of electric locomotives. N. A. Belobrov. Elek. i tepl. tiaga no. 7:12 Jl '63.

What to do in case of the damage of low-voltage wires on a VL8 electric locomotive. V. A. Shumakov. Elek. i tepl. tiaga no. 8:34-36 Ag '63.

ELECTRIC LOCOMOTIVES—TESTING

Some results of trial runs of "N60" and "P" series a.c. locomotives. O. M. Kozlovskii. Izv. vys. ucheb. zav., elektromekh. 6 no. 8:1004-1013 '63.

ELECTRIC LOCOMOTIVES—TRANSMISSION DEVICES

Improving the technology of gear fitting. V. S. Savichev. Elek. i tepl. tiaga no. 7:16-17 Jl '63.

ELECTRIC MACHINERY

Collectors with plastic hulls for use in electric machines. B. S. Gel'dfol'd, G. O. TSkhadadze. Elek. i tepl. tiaga 7 no. 6:5-6 Je '63.

Current locus diagrams of asynchronous machines with phase and amplitude-phase control. V. S. Ryzhkov. Vest. elektroprom. 34 no. 8 9-11 Ag '63.

Doubling of the number of balancing connections in electrical machines. G. V. Vasilenko. Izv. vys. ucheb. zav.; elektromekh. 6 no. 5:634-636 '63.

Effect of the field of the principal pole on the commutation of a traction motor. G. V. Vasilenko. Izv. vys. ucheb. zav., elektromekh. 6 no. 6:768-774 '63.

Efficient conveyor-type laquering machine. V. A. Ivanova and others. Prom. energ. 18 no. 7 9 Jl '63.

Magnetic field in the air gap of an inductor machine with a comb-type toothed zone. B. S. Zechikhin, K. N. Pavlova. Izv. vys. ucheb. zav., elektromekh. 6 no. 8: 907-916 '63.

N[illegible]

[illegible] lines during the last ten years] Novoe v proizvodstve elektricheskikh mashin za desiat' let. Moskva, 1963. 14 p. (Elektrotekhnicheskaia promyshlennost' za rubezhom)

Sparking at the brushes of electrical machines disconnected from the power network. A. M. Tiushkov. Izv. vys. ucheb. zav., elektromekh. 6 no. 6:781-782 '63.

Study of electromagnetic moments created by currents of the transverse rotor stages of synchronous machines. G. V. Mikhnevich. Elektroenergetika no. 7 54-71 '63.

Utilization of the power of asynchronous short-circuited machines operating under conditions deviating from nominal. O. A. Nekrasov, N. N. Gorin. Izv. vys. ucheb. zav., elektromekh. 6 no. 8:946-951 '63.

ELECTRIC MACHINERY—ALTERNATING CURRENT

Asynchronous and synchronous a.c. machines for general industrial use with power ratings from 100 to 1,000 kw. Vest. elektroprom. 34 no. 8:75-78 Ag '63.

Power efficiency and economics of a.c. machines. A. IA. Berger. Izv. vys. ucheb. zav., elektromekh. 6 no. 6:707 '63.

ELECTRIC MACHINERY—DIRECT CURRENT

Average rectilinear commutation in large d.c. machines. V. V. Magidson. Izv. vys. ucheb. zav.; elektromekh. 6 no. 5:043 '63.

Commutation of electrical machines with impact loads. V. A. IAkovenko. Vest. elektroprom. 34 no. 8 4-9 Ag '63.

Commutational voltage drop in d.c. machines with a regulated semiconductor commutator. Sh. I. Lutidze. Elektroenergetika no. 7, 91-95 '63.

Comparison of bipolar and unipolar capacitive machines. L. S. Polotovskii. Izv. vys. ucheb. zav.; elektromekh. 6 no. 6:778-780 '63.

Efficient form for recording the machine constant of d.c. machines with printed rotor winding. V. I. Mezhburd. Izv. vyz. ucheb. zav.; elektromekh. 6 no. 5:565-568 '63.

Leakage coefficient and optimum width of polar caps in d.c. machines with printed armature windings. L. D. Osnovich. Izv. vys. ucheb. zav.; elektromekh. 6 no. 5:578-581 '63.

Losses and eddy currents in the rotor windings of d.c. machines with printed windings. L. D. Osnovich, V. M. Kazanskii. Izv. vys. ucheb. zav., elektromekh. 6 no. 6: 676-682 '63.

Measurement and calculation of the inductive parameters of the armature sections of d.c. machines. V. V. Magidson. Izv. vys. ucheb. zav.; elektromekh. 6 no. 6: 783-786 '63.

ELECTRIC MACHINERY—MAINTENANCE AND REPAIR

Vinogradov, N. V. [Electrician's manual on the repair of electrical machines] Elektrosleser' po remontu elektricheskikh mashin. Moskva, Profizdat, 1963. 239 p.

ELECTRIC MACHINERY—WINDINGS

Measurement of the mean temperature of windings in electrical equipment under load. IU. V. Frakman, V. L. Shaigorodskii. Elektrichestvo 7 49-55 Jl '63.

ELECTRIC MACHINERY, SYNCHRONOUS

Individual consideration of the saturation of the rotor and stator of a synchronous machine. V. I. Gorushkin, N. V. Shul'gin. Elektroenergetika no. 7 72-83 '63.

ELECTRIC MACHINERY INDUSTRY—AUDITING AND INSPECTION see subdivision under Riga

ELECTRIC MACHINERY INDUSTRY—QUALITY CONTROL

Quantitative evaluation of the reliability of electrical machines. B. A. Itkin. Vest. elektroprom. 31 no. 8 79-80 Ag '63.

ELECTRIC MEASUREMENTS

Conference on automatic control and electric measurement techniques. G. A. Shtamberger. Elektrichestvo 7, 92-94 Jl '63.

Measurement of a.c. voltage and current using nonstable inertial nonlinear elements. V. S. Popov. Elektrichestvo 7 76-78 Jl '63.

Measurement of electric and magnetic quantities. B. Rymar'. Radio no. 8 32-36 Ag '63.

Measurement of transitory currents and voltages. N. S. Prokurorov, L. V. Surzhin. Izv. vys. ucheb. zav.; elektromekh. 6 no. 8:990-997 '63.

Noncontact measurement of parts in motion. Mashinostroitel' no. 7:45 Jl '63.

Separate measurement of complex-magnitude components by balancing methods. G. A. Shtamberger. Izv. vys. ucheb. zav., prib. 6 no. 3, 3-9 '63.

Universal device for processing the oscillograms of reversing rolling mills. A. V. Kalachkin, A. B. Zelenov, IU. P. Samcheleev. Izv. vys. ucheb. zav.; elektromekh. 6 no. 5:611-618 '63.

Use of the Hall effect in electric power engineering. N. I. Ovcharenko. Prom. energ. 18 no. 7 28-35 Jl '63.

ELECTRIC METAL CUTTING

Choice of an optimum mode of operation for generators in electric spark machining. P. F. Meriabishvili. Elektrichestvo 7:74-75 Jl '63.

ELECTRIC METERS

(see also subdivision under Germany, West)

Ratiometer with nonelectric counteractive moments. P. IA. Nedviga, N. IA. Striapan. Priborostroenie no. 7:8-10 Jl '63.

ELECTRIC MOTORS

Capacity rating of electric motors of hoisting machinery. V. A. Vakhlamov. Trudy GIGI no. 30:173-175 '61.

Design of a resonant frequency transducer. S. I. Bardinskii. Vest. elektroprom. 34 no. 8 65-70 Ag '63.

Electric motors with reducing gears. S. Iosipian. Tekh. v sel'khoz. 23 no. 5:38-39 My '63.

Methods for regulating the angular velocity of electric motors. P. A. Sviridenko. Izv. vys. ucheb. zav.; elektromekh. 6 no. 5:628-630 '63.

Protection of low-voltage motors in partial phase operation. N. N. Maksimenko. Prom. energ. 18 no. 7 14-15 Jl '63.

Radchenko, L. A. [Control of automated electric drives] Upravlenie avtomatizirovannym elektroprivodom; posobie po laboratornym rabotam. Kiev, Gostekhizdat USSR,
Pt. 1, 1963, 338 p.

Use of $B_{\sim} = f(H_{=})$ characteristics with designing saturable reactors. V. S. [illegible] ucheb. zav.; elektromekh. 6 no. 5:6

ELECTRIC MOTORS—TESTING

Investigating the system of automatic tion speed of engines by the frequen V'iukov. Trudy LTITSBP no. 8:16

ELECTRIC MOTORS, DIRECT CURRE

Geometry of the armature of a small printed winding. R. R. Parts. Izv. v elektromekh. 6 no. 5:569-575 '63.

ELECTRIC MOTORS, INDUCTION

"Asynchronous machine with solid rot lov. Reviewed by G. I. Shturman. Iz elektromekh. 6 no. 5:644-645 '63.

Choice of the power rating of three-p motors with single-phase feed. G. (energ. 18 no. 8:42-44 Ag '63.

Comparative characteristics of an a in three-phase and single-phase m V. S. Mogil'nikov. Izv. vys. ucheb. za 6 no. 8:1014-1017 '63.

Electromotive forces induced in the an asynchronous machine with large Golubev. Elektrichestvo 7:89-91 J

Indirect method for determining additional losses of asynchronous micromotors. R. I. Zelichenok. Vest. elektroprom. 34 no. 8 1-4 Ag '63.

Stray torques and losses due to higher harmonics of armature reaction of asynchronous motors with a squirrel-cage rotors. L. M. Postnikov. Elektrichestvo 7:39-49 Jl '63.

Use of a centrifugal relay for the protection of asynchronous motors from two-phase operation. L. S. Lindorf, N. I. IAkimenko. Prom. energ. 18 no. 8:13-14 Ag '63.

Use of an asynchronous motor with the phase rotor as a potential regulator. L. G. Rubo. Prom. energ. 18 no. 7 45-46 Jl '63.

ELECTRIC MOTORS, SYNCHRONOUS

Electric motor with 15,000 hp. rating for outdoor operation (from "Power," no. 4, 1962). IA. E. Volfkovich. Prom. energ. 18 no. 5:53 My '63.

Problems concerning the design of electric drives with synchronous electric motors. R. G. Gitkis. Prom. energ. 18 no. 7 25-28 Jl '63.

Protection of a synchronous 6 kv motor. R. V. Shmulevich. Prom. energ. 18 no. 7 13-14 Jl '63.

Some problems concerning the operation of synchronous motors driving ball mills and rod mills. L. M. Feigin. Elektrichestvo 7, 78-83 Jl '63.

ELECTRIC NETWORK ANALYZERS

Utilization and improvement of a d.c. network analyzer. IA. D. Baikan. Elek. sta. 34 no. 6 48-53 Je '63.

ELECTRIC NETWORKS

Concept of total power in a nonsymmetrical multiphase current network. G. K. Tkeshelashvili. Izv. vys. ucheb. zav., energ. 6 no. 8:33-38 Ag '63.

Conditions of physical feasibility of equivalent linear passive two-stage two-terminal networks containing elements of two forms (R, L), (R, C), (L, C). M. I. Pines. Izv. vys. ucheb. zav., elektromekh. 6 no. 5:539-550 '63.

Contribution to the theory of parametric systems of the first order. V. F. Kushnir. Radiotekh. i elektron. 8 no. 9:1542-1544 S '63.

Correlation couplings in nonlinear circuits with fluctuating parameters. N. D. Kolpakov. Radiotekh. i elektron. 8 no. 9:1499-1505 S '63.

Device for simulating a hysteresis loop in analog computers designed for calculating electrical networks. A. D. Drozdov, S. D. Khlebnikov. Izv. vys. ucheb. zav.; elektromekh. 6 no. 5:641-642 '63.

Effect of periodically varying resistance on a nonregenerative parametric system. V. I. Trifonov. Radiotekh. i elektron. 8 no. 9:1637-1639 S '63.

Evaluation of the reliability of the structure of electronic networks. A. K. Romanov. Radiotekhnika 18 no. 6: 71-75 Je '63.

Graphical method for studying the oscillations of nonlinear systems. A. V. Turik. Izv. vys. ucheb. zav., elektromekh. 6 no. 6:651-655 '63.

Method for the synthesis of frequency and transfer characteristics of a four-terminal network. IU. G. Kuloshov. Izv. vys. ucheb. zav., radiotekh. 6 no. 3 271-277 My-Je '63.

Method for uncoupling inductive couplings without changing the configuration and number of circuit elements. L. IA. Eidel'munt. Elektrosviaz' 17 no. 7:52-62 Jl '63.

New principles for selecting an optimum network with partial access. M. A. Shneps. Elektrosviaz' 17 no. 7:40-46 Jl '63.

Operating modes of a nonlinear electric network. V. A. Taft, I. P. Milintin. Elektroenergetika no. 7 136-147 '6[illegible]

Comparison of results of the study of stability in power industrial and municipal electric power systems. E. I. Bronshtein. Izv. vys. ucheb. zav., energ. 6 no. 5 15-22 '63.

Concerning "Regulations for the design of industrial electric power supply systems." V. V. Kozlov. Prom. energ. 18 no. 5 61-62 My '63.

Concerning I. P. Musatov's article "Reserve connections in the electric power distribution networks of industrial enterprises." M. I. Pinitchi. Prom. energ. 18 no. 8 60-61 Ag '63.

Consideration of transients in a half-wave tuned line in studying the self-excitation of the generator. F. S. Lukashov, D. G. Kolotilova. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14:54-60 '62.

Correct connection of track switches and stopping devices. I. V. Vanlevich. Prom. energ. 18 no. 8 48-49 Ag '63.

Decrease in expenditures on tuning systems by utilizing the reactive power of the generator. D. G. Kolotilova. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14:88-94 '62.

Determination of the maximum current in an overcurrent protective system using operative d.c. with low-power transformers. V. M. Imshinetskii, A. V. Isaenko. Izv. vys. ucheb. zav., energ. 6 no. 8 22-28 Ag '63.

Determination of power and energy loss in long-distance power transmission lines with voltages in excess of 220 kv. V. A. Kirnko. Elektroenergetika no. 7 10-17 '63.

Determination of the economic parameters of an a.c. power transmission system. G. E. Pospelov. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14:141-149 '62.

Dynamic stability of half-wave tuned power transmission lines. V. K. Khalevin. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14:67-74 '62.

Effect of the parameters of power transformers on phase voltages relative to ground with commutation according to phase. F. A. Likhachev. Elek. sta. 34 no. 6 54-64 Je '63.

Efficiency of current cutoff in rural power distribution systems. V. Iu. Gussen. Mekh. i elek. sots. sel'khoz. 21 no. 4 38-41 '63.

Efficiency of tuned electric power transmission lines. I. P. Gusev. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14:12-31 '62.

Electric power supply of sugar refineries. M. I. Sokov. Prom. energ. 18 no. 8 44-47 Ag '63.

Engineering and economic indices of tuned electric power transmission lines. V. K. Shcherbakov, O. V. Oltshevskii. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14 93-102 '62.

Expediency of using 500-1,000 kv voltages in long-distance power transmission lines. L. V. Krichenova, D. E. Trofimenko. Izv. vys. ucheb. zav., energ. 6 no. 8 8-14 Ag '63.

Features of an optimum regulation of voltage and reactive power in superlong compensated and tuned electric power transmission lines. D. V. Kholmskii. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14:103-115 '62.

Increasing of the sensitivity of the starting devices of distance-type protection systems. V. V. Mikhailov, V. V. Platonov, Iu. I. Ivanko. Elek. sta. 34 no. 6 65-68 Je '63.

Intermediate power takeoff from half-wave tuned power transmission lines. V. K. Shcherbakov, A. T. Putilova. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14:32-41 '62.

Introduction of changes in the safety engineering regulations for operating overhead power transmission lines with voltages in excess of 1 000 volts. Elek. sta. 34 no. 6 91 Je '63.

Make every effort to assure a high-quality voltage supply. G. V. Serbinovskii. Prom. energ. 18 no. 7 2-5 Jl '63.

Method for calculating automatic frequency relief in an electric power system. O. G. Zelenkin. Elek. sta. 34 no. 6 45-47 Je '63.

Methodology for choosing optimum sectionalizing points in 6 to 10 kv. power distribution networks. N. M. Zul', A. M. Agalarov. Mekh. i elek. sots. sel'khoz. 21 no. 4 36-38 '63.

Modes of operation and ecoromic indices of 1500 to 2500 km. long a.c. power transmission lines with 600 to 800 kv. ratings. D. E. Trofimenko. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14:131-140 '62.

Moscow. Energeticheskii institut imeni G. M. Krzhizhanovskogo. [Methods for covering peak power loads] Metody pokrytiia pikov elektricheskoi nagruzki. Moskva, Izd-vo Akad. nauk SSSR. 1963. 526 p.

Nonsymmetrical steady-state conditions in untuned electric power transmission lines. V. K. Shcherbakov, E. P. Kaskevich. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14:75-87 '62.

Overvoltage protection of long-distance power transmission lines. M. M. Akodis, V. I. Bronnikov. Izv. vys. ucheb. zav., energ. 6 no. 8 1-8 Ag '63.

Performance of the transformer neutral lines in strip mines. A. L. Prots and others. Prom. energ. 18 no. 5 32-37 My '63.

Permissible overvoltages with consideration of heating in high voltage insulated entrances and cables. S. I. Podkamenko. Elektroenergetika no. 7 31-35 '63.

Positions taken in debates and discussions. A. N. Filimonov and others. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14 150-168 '62.

Problems of long-distance electric power transmission. Iu. I. Lyskov. Elektrichestvo 7:81-86 Jl '63.

Prospects for stepping-up the voltages of overhead electric power transmission lines. Iu. I. Lyskov. Elektrichestvo 7 84-86 Jl '63.

Resolution adopted on February 2, 1961 by a conference on electric power transmission at distances of 2,000 to 4,000 km. using tuned transmission lines. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14:169-170 '62.

Scientific and technical conference on new techniques in the field of electric power distribution and electrical equipment of industrial enterprises. A. V. Tuts. Prom. energ. 18 no. 7 48-51 Jl '63.

Some laws governing electric power transmission lines with supporting synchronous compensators. M. V. Taglrov. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14,126-130 '62.

Special features of the operation of a synchronous generator through a half-wave tuned electric power transmission line. E. S. Lukashov. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14:42-49 '62.

Standard method for calculating the electrical load of industrial enterprises. S. E. Kuzin. Izv. vys. ucheb. zav., energ. 6 no. 8 38-45 Ag '63.

Static stability of tuned electric power transmission lines. R. G. Karymov. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14:61-66 '62.

Steady-state conditions of compensated electric power transmission lines with intermediate power takeoff. G. E. Alekseenko, O. B. Tolpygo. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14:116-119 '62.

Study of electromagnetic moments created by currents of the transverse rotor stages of synchronous machines. G. V. Mikhnevich. Elektroenergetika no. 7 51-61 '63.

Study of the interaction of automatic excitation controllers installed on parallel operating power plants. G. V. Mikhnevich, G. I. Kozlovskii. Elektroenergetika no. 7 36-50 '63.

Suppression of self-excitation in electric power transmission lines operating in a $\frac{1}{2}\lambda$ mode. A. I. Dolginov. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14:50-53 '62.

Technical and economic expediency of using mercury rectifier units with advanced phase shift angle. L. M. Zolitsburg, O. I. Michurin. Prom. energ. 18 no. 8 4-9 Ag '63.

[Transmission of electric power at distances from 2,000 to 3,000 km. using tuned transmission lines] Transmission of electric power at distances from 1500 to 3000 km. using tuned transmission lines. V. K. Shcherbakov. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14:6-11 '62.

Use of isolators and disconnectors for switching idle 35 kv. transformers with 100 to 1, 800 kv-a rating and a 30 km. long 35 kv. power transmission line. Elek. sta. 34 no. 6 92 Je '63.

Use of the aluminum sheathing of a cable as a zero line in premises with explosion hazards. Prom. energ. 18 no. 7 43-44 Jl '63.

Voltage regulation in low-power 220-380 volt lines. B. F. Krylov, A. P. Lezhev. Prom. energ. 18 no. 5,22 My '63.

ELECTRIC POWER DISTRIBUTION—BIBLIOGRAPHY
see Bibliography—Electric power distribution

ELECTRIC POWER DISTRIBUTION—COMMUNICATION SYSTEMS

Testing of an ARS-1 transmitter-receiver in an area with rugged topography. V. V. Sarapkin. Elek. sta. 31 no. 6 81-85 Je '63.

ELECTRIC POWER PLANTS
(see also subdivision under Kashira; Uzbekistan; Yermak)

Adjustment and operation of the TP-230-6 boiler with vertical cyclone preliminary furnaces operating on anthracite culm. Iu. L. Marshak and others. Elek. sta. 34 no. 6 17-22 Je '63.

Analysis of the operation of electric power plants mounted on railroad cars. N. M. Shifrinov. Elek. sta. 34 no. 6 33-35 Je '63.

Automation of a coal pulverization system. V. P. Khoteev, N. K. Sokolova. Elek. sta. 34 no. 6 22-25 Je '63.

Automation of fuel supply systems in the Novo-Kemerovsk Thermal Electric Power Plant. M. A. Volgin, G. A. Bezrodnyi, L. P. Lekus. Elek. sta. 34 no. 6 78-80 Je '63.

Block-type steam-gas system with 200Mw. rating. M. I. Korneev, V. P. Dziobot. Energomashinostroenie 9 no. 6 26 Je '63.

Brief reports on developments in the U.S.S.R. Prom. energ. 18 no. 5 59-60 My '63.

Concerning the choice of the efficient structure of power sources in electric power systems. M. N. Rozanov. Elektrichestvo 7:83-84 Jl '63.

Desulfonation of masut sufficient for use in electric power plants. E. H. Baranskaya. Vestsi AN BSSR, Ser. fiz.-tekh. nav. no. 1 69-73 '62.

Determination of the optimum value of the coefficient of central heating of a heat and electric power plant during joint operation of peak-load boiler and heat and electric power plants. A. I. Kornienchev. Izv. vys. ucheb. zav., energ. 6 no. 8 58-61 Ag '63.

Effectiveness of intermediate heating in back-pressure turbines. Iu. L. Kertselli. Prom. energ. 18 no. 5 24-27 My '63.

Installation of a GTU-25-700 gas turbine in an electric power plant. T. S. Vishnevskii. Elek. sta. 34 no. 6 25-28 Je '63.

Introduction of changes and additions to the instructions on the operation and repair of generators in electric power plants. Elek. sta. 34 no. 6 89-91 Je '63.

Low-noise mobile "EM-100" electric power plant. Tekh. kino i telev. 6 no. 4,3 of cover Ap '62.

Mechanization of wet lime storage cells transportation operations. V. N. Mamin. Elek. sta. 34 no. 6 80-81 Je '63.

Method for calculating the number of starts and forced due to the variable operation of thermal electric power plants. V. A. Romanov, Z. I. Nemtsov. Elek. sta. 34 no. 6 13-17 Je '63.

Points from trade journals. Prom. energ. 18 no. 7 46-47 Jl '63.

Reply to V. V. Bolotov's article. D. S. Stepanov. Elek. sta. 34 no. 6 86-87 Je '63.

Smirnov, G. M. [Work mechanization of the installation operations of thermal and mechanical equipment in thermal electric-power plants] Mekhanizatsiia rabot po montazhu teplomekhanicheskogo oborudovaniia teplovykh elektrostantsii. Moskva, Orgenergostroi, 1962. 56 p. (Iz opyta energeticheskogo stroitel'stva).

"Thermal section of electric power plants (thermal systems)." S. IA. Belinskii, V. A. Vedishev. Reviewed by L. A. Melent'ev, G. B. Leventsal'. Elek. sta. 34 no. 6 96 Je '63.

ELECTRIC POWER PLANTS—COLD WEATHER OPERATION

Turchin, N. IA. [Start of thermal electric power plants in cold weather] Iz opyta puska teplovykh elektrostantsii v zimnikh usloviiakh. Moskva, Orgenergostroi, 1962. 60 p. (Iz opyta energeticheskogo stroitel'stva).

ELECTRIC POWER PLANTS—COOLING

Using air condensation to fight water "hunger." T. Varhely. Tekh. mol. 30 no. 11 33 '62.

ELECTRIC POWER PLANTS—DESIGN AND CONSTRUCTION

New developments in the construction of electric power stations. Inform. biul. VDNKH no. 5 29 My '62.

Welding operations in the assembly of the equipment of thermal electric power plants. Inform. biul. VDNKH no. 7 41 Jl '62.

ELECTRIC POWER PLANTS—ELECTRIC EQUIPMENT

Development of highly efficient ventilator models ORGR operating according to a 0 68-161° system for electric power plants. M. I. Nevel'son and others. Prom. energ. 18 no. 7 8-9 Jl '63.

ELECTRIC POWER PLANTS—LABOR PRODUCTIVITY
see subdivision under Odessa region

ELECTRIC POWER PLANTS—WATER SUPPLY

Destruction of filamentous alga in water-cooling reservoirs. M. S. Maltsin, B. A. Shimanskii. Elek. sta. 34 no. 6 81-82 Je '63.

ELECTRIC POWER PRODUCTION FROM CHEMICAL ACTION

Bagotskii, V. S., and V. N. Flerov. [New developments in the field of chemical sources of electric current] Noveishie dostizheniia v oblasti khimicheskikh istochnikov toka. Gosenergoizdat, 1963. 254 p.

ELECTRIC POWER SUPPLY TO APPARATUS

Asynchronous generator-converter unit for autonomous power supply of electric power tools. V. S. Frishman, V. K. Kaplenko. Prom. energ. 18 no. 8 9-11 Ag '63.

Choice of the optimum dissipation of electric power in the components of radio-electronic apparatus. N. I. Vollerner. Izv. vys. ucheb. zav.; radiotekh. 6 no. 3 287-291 My-Je '63.

Transistor voltage stabilizers for the power supply of electronic networks. M. B. Leitman. Izv. vys. ucheb. zav., elektromekh. 6 no. 8 982-989 '63.

ELECTRIC PROSPECTING
(see also subdivision under Kazakhstan; Kluzel'nik region)

Calculation of GVK-2 plates of electric sounding (horizontal-vertical contacts of four media with $\rho_4 = \infty$). G. A. Vedritsev. Prikl. geofiz. no. 36:253-255 '63.

Determination of the effective parameters of a medium in the field of a finite grounded cable. A. V. Veshev, E. F. Liubtseva, G. P. Samosiuk. Uch. zap. LGU no. 321 3-63 '63.

Determining the parameters of electrically conductive beds from electric shot-hole prospecting data. A. K. Kozyrin, T. I. Koroliuk, V. M. Sapozhnikov. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 7 3-10 '63.

ELECTRIC PROSPECTING (Continued)

Differential transformations of electric sounding curves M N Berdichevskii, G. A. Vedrintsev Razved i okh nedr 29 no. 7:46-49 Jl '63

Economic efficiency of using the vertical electric prospecting method in hydrogeological studies. A I Kim Razved. i okh nedr 29 no. 7:58-59 Jl '63.

Electric prospecting in railroad engineering M V. Boldyrev Put' i put' khoz. 7 no 8 15-16 '63

Electromagnetic field of a harmonic dipole grounded to a multilayer surface of an anisotropic medium. L. L. Vanian. Izv. AN SSSR. Ser. geofiz. no. 8,1222-1224 Ag '63.

Feature of ζ_s anomalies for gradient establishment. V. A. Lomaev. Uch. zap. LGU no 320 96-99 '63.

Field of a point source with inclined discontinuities having a common line of intersection on the earth's surface. N. A Sakharnikov. Uch. zap. LGU no. 320 64-95 '63.

General transient characteristics and its use in solving direct and inverse problems in the method of transitional processes for some bodies in a nonconductive enclosing medium. IU. V Khomenuk. Izv AN SSSR. Ser geofiz. no. 8:1231-1237 Ag '63.

Natural electric field as a factor in the formation of zones of secondary enrichment in sulfide deposits G B Svesnikov, IU. S Ryss, A. K. Yuzin. Uch. zap LGU no. 320:122-133 '63.

Taking into account vertical interface in the interpretation of electric probing data. B. I. Rabinovich. Trudy SNIIGGIMS no 27 132-137 '62.

ELECTRIC PROSPECTING—EQUIPMENT AND SUPPLIES

Some results of experimental studies of multielectrode apparatus. IA. S Sapuzhak. Geofiz. sbor. no. 1:61-65 '63.

ELECTRIC PROTECTION

Berkovich, M. A., ed [Manual on relay protection systems] Spravochnik po releinoi zashchite. [By] M. A. Berkovich i dr Moskva, Gosenergoizdat, 1963. 512 p

Increasing of the sensitivity of the starting devices of distance-type protection systems V V Mikhailov, V V Pinteров, IU I. Ivankov Elek sta. 34 no. 6 65-68 Je '63

Prevention of faulty operation of relay protection and disconnection of one side of a line equipped with nonsynchronous automatic reclosing I B Paperno Elek sta 34 no. 6 85 Je '63

Remotely controlled protection of a c overhead contact systems S. S. Rozov Elek i tepl tiaga no 8 46-47 Ag '63

Use of PK and PKT fuses in outdoor-type electric power distribution systems I. D Naumovskii. A IA TSirel' Elek sta 34 no 6 82-83 Je '63

ELECTRIC RAILWAY MOTORS

Choice of the parameters of an impulse voltage for testing the insulation of winding sections of electric traction motors. A. E. Skliarov, K. B. Aleksandrov Izv vys. uchob. zav., elektromekh 6 no. 5:582-591 '63.

Method for the control of the position of the neutral in NB-406 traction engines V G Galkin Elek i tepl tiaga no 8 23-26 Ag '63

Parameters of limited use of d. c. traction motors D G. Kamenetskii. Elektrichestvo 7 56-60 Jl '63.

ELECTRIC RAILWAY MOTORS—MAINTENANCE AND REPAIR

Some practical advice on the repair of the traction engines for electric locomotives. V IA. Valuev Elek. i tepl. tiaga no. 8:25-26 Ag '63.

ELECTRIC RAILROADS
(see also subdivision under Belgium)

Chebolaev, E. V. [Principles of electric traction] Osnovy elektrifikatsii zheleznykh dorog. Moskva, Gosenergoizdat. Pt. 2. [Theory of operation, methods for design, and choice of the parameters of the principal elements of electric-power supply systems of electric railroads] Teoriia raboty, metody rascheta i vybor parametrov osnovnykh elementov sistemy elektrosnabzhenila elektrifikatsionnykh dorog. 1963. 183 p.

Effect of the operation of electric rolling stock on the coupling factor. I. P. Isaev. Elektrichestvo 7:12-19 Jl '63.

TST-62 remote control system V IA. Ovlasiuk, N. D. Sukhoprudskii, I. I. Trifonov. Trudy TSNII MPS no. 261: 55-79 '63.

Is a "b" indication necessary on route indicators? V. D. Butskii. Avtom., telem. i sviaz' 7 no. 8:35-36 Ag '63.

Reliability of the performance of modern electronic systems of automatic control. V. IA. Ovlasiuk, N. D. Sukhoprudskii. Trudy TSNII MPS no. 261:4-46 '63.

Shielding action of underground metal structures with consideration of the galvanic effect of d. c. railroads. L. D. Razumov. Elektrichestvo 7:61-66 Jl '63.

ELECTRIC RAILROADS—COMMUNICATION SYSTEMS

Construction and operation of long-distance cable communication lines in an a. c. railroad district. N. IA. Menshikov. Avtom., telem. i sviaz' 7 no. 8:3-7 Ag '63.

ELECTRIC RAILROADS—CURRENT SUPPLY

[Automation and remote control in the power-supply systems of electric railroads] Avtomatizatsiia i telekupravlenie ustroistvami energosnabzhenila elektrifikatsionnykh zheleznykh dorog. [By] I I Beneshevich, i dr. Moskva, Transzheldorizdat, 1963. 359 p.

ELECTRIC RAILROADS—ELECTRIC EQUIPMENT

Small-sized DT1-150 choke-transformer. G. A. Stempkovskii. Avtom., telem. i sviaz' 7 no. 8:13-15 Ag '63.

ELECTRIC RAILROADS—ELECTRONIC EQUIPMENT

Integrator for the measurement of eddy currents V. I. Ivanova Trudy TSNII MPS no. 261 116-121 '63

ELECTRIC RAILROADS—EQUIPMENT AND SUPPLIES

Improving the electric equipment and circuits of d. c trains F A Antonov. Elek i tepl tiaga no 8 29-31 Ag '63

Indicators of clamp heating in the overhead contact systems. S V Bachak Elek. i tepl. tiaga no 8 21 Ag '63

ELECTRIC RAILROADS—MAINTENANCE AND REPAIR

Melting ice loads on a c overhead contact systems without traffic interruption. B F. Martynov. Elek. i tepl. tiaga no. 8,8-9 Ag '63

ELECTRIC RAILROADS—MANAGEMENT

[Economics, organization, and planning of electric transport] Ekonomika, organizatsiia i planirovanie elektrifikatsionnogo khoziaistva. [By] E. D. Levashev i dr. 2., perer. izd. Moskva, Transzheldorizdat, 1963. 286 p

ELECTRIC RAILROADS—POLES AND TOWERS

Attaching supports to cylinder-type foundations at the base V N Zimring, IU. A Knunyev. Transp. stroi 13 no. 7 10-11 Jl '63.

Installing supports for an overhead contact network from the track N. V Kurochka, S. V Golovin Transp. stroi 13 no. 7 9-10 Jl '63

Methods of using "windows" efficiently during the installation of a contact network V I' Molostov. Transp stroi 13 no 7 7-9 Jl '63

Selecting the efficient method of erecting supports for a contact system V G Kozlovskii. Transp. stroi. 13 no. 6 51-54 Je '63

ELECTRIC RAILROADS—ROLLING STOCK

What causes pole demagnetization in the generators of the control systems of electric locomotives and multiple-unit trains? A. M. Ivanov, N. K. Egorov. Elek. i tepl tiaga no. 7:31-36 Jl '63

ELECTRIC RAILROADS—SAFETY MEASURES

Facts to be considered in the revision of safety regulations A. L Levitskii Elek. i tepl tiaga no 8,22-24 Ag '63.

ELECTRIC RAILROADS—SIGNALING—INTERLOCKING SYSTEMS

Remarks on network insulation norms. V. P. Mironov. Avtom., telem. i sviaz' 7 no. 8:38-40 Ag '63.

ELECTRIC RAILROADS—SUBSTATIONS

Automatic switching of mercury-arc rectifier units of a traction substation dependent on the load B. N Grinkov. Trudy TSNII MPS no 261 103-117 '63.

Contactless devices of program and power supply automatic control systems with a short circuit tester for traction substations T A Bulatov Trudy TSNII MPS no 261 80-102 '63.

Improvement of a mercury rectifier firing system. I. F Kotov, I. A. Turkovskii. Elek. i tepl. tiaga 7 no. 6:16-17 Je '63.

Improving the maintenance of power supply systems V K. Matorov Zhel dor. transp. 45 no. 9 81-83 S '63

Improving the performance of the MP-2 drive. G. A Gunchenko. Elek. i tepl. tiaga no. 8 20-21 Ag '63.

Putting into practice the remote control of power supply systems. V. IA Ovlasiuk. Elek. i tepl. tiaga no. 8:18-19 Ag '63.

Shortcomings of the automatic reclosing circuit of the feeders of automatic blocking systems. IU. V. TSelebrovskii. Elek. i tepl. tiaga no. 7:17-18 Jl '63.

Simplified rectifier grid protection network. E. S. Pochaevets. Elek. i tepl. tiaga 7 no. 6,13 Je '63.

Telemechanization of the electric power supply stations. V. IA. Ovlasiuk, N. D. Sukhoprudskii. Zhel. dor. transp. 45 no. 7:73-76 Jl '63.

Traction substations without personnel on duty. A. P. Smirnov, IU. N Vologzhanin Elek. i tepl. tiaga no 8: 18-20 Ag '63

Useful improvements in the remote control system for electric power supply. A. N. Barbinov. Elek. i tepl. tiaga no. 7:14-15 Jl '63.

ELECTRIC RAILROADS—WIRES AND WIRING

How to prevent inverse current flow in contact network systems. N. L. Fuks. Elek. i tepl. tiaga 7 no. 6,8-9 Je '63.

Preparation of a contact network for high-speed traffic. I. A. Beliaev. Elek. i tepl. tiaga 7 no. 6:44-46 Je '63.

Responses and information. Zhel dor. transp. 45 no. 8:54 Ag '63

ELECTRIC RELAYS

Berkovich, M. A., ed [Manual on relay protection systems] Spravochnik po releinoi zashchite. [By] M. A. Berkovich i dr. Moskva, Gosenergoizdat, 1963. 512 p.

Negative sequence power relay V I Grinshtein, V N Nudel'man, I. V Rukhmanov Vest elektroprom 34 no 8 71-75 Ag '63

Transformerless transistor photoelectric relay. I. G. Vasil'ev. Elek. i tepl. tiaga no. 7:19-20 Jl '63.

ELECTRIC RESISTORS

Controllable resistor substitutes. V. I Vishnevskii, IU. A. Gritsa. Prib. i tekh eksp 8 no 3:180-181 My-Je '63.

ELECTRIC RESONATORS

Helical resonator for an electron paramagnetic resonance spectrometer with high-frequency magnetic field modulation. IU. I' Pol'skii Prib. i tekh. eksp 8 no. 3,184-185 My-Je '63

ELECTRIC SHIP PROPULSION see Ship propulsion, Electric

ELECTRIC SPARK

Mechanism underlying a negative spark I S Stekol'nikov, V V Shkilev Dokl. AN SSSR 151 no. 5 1085-1088 Ag '63.

Use of a rectified condensed spark for spectral analysis of alloys. III, M. Bunaviev and others. Zav lab 29 no. 8:1005-1006 '63.

ELECTRIC SUBSTATIONS

Composition of substations without cutouts at the high-voltage end I V Mudrokh Elek sta 34 no 6 77 Je '63.

New 5th series transformer stations of the State Institute for the Design and Planning of Electric Power Systems V S Kozlov Prom energ 18 no 7 14-15 Jl '63.

Parshikov, N. A. [Use of precast-concrete structures in the construction of electric substations] Primenenie sbornogo zhelezobetona pri sooruzhenii podstantsii. Moskva, Gosenergoizdat, 1962 33 p. (Iz opyta energeticheskogo stroitel'stva)

Use of PK and PKT fuses in outdoor-type electric power distribution systems I. D Naumovskii, A IA TSirel' Elek sta. 34 no 6 82-83 Je '63

ELECTRIC SWITCHGEAR
(see also subdivision under Sverdlovsk)

Automatic optimization of the characteristics of a ferrite switch. V. V. Koshelev, V. I. Talanov. Izv. vys. uchob. zav., radiotekh. 6 no. 3 308-311 My-Je '63

Devices which increased the operational safety of the VVN-220 air-filled circuit breakers. M. E. Polinkov, V. D. Belik. Elek. i tepl. tiaga no. 7:3-4 Jl '63.

Problem concerning the use of two-way switches with shunting resistances. A. I. Dolginov. Elektrichestvo 7 91-92 Jl '63.

Reciprocal ferrite switch using a slot bridge. V. S. Averbakh, IU M. Zhidko. Izv. vys. uchob. zav., radiotekh 6 no. 3:259-264 My-Je '63.

ELECTRIC SWITCHGEAR—TESTING

Discharge delay in a regulated arc gap with a gas generating igniting device L. A Konovalova. Izv vys. uchob zav. energ. 6 no 8 110-114 Ag '63

ELECTRIC TRANSFORMERS

Brief report on developments abroad. Prom. energ. 18 no. 5:60 My '63.

Contactless automatic voltage regulators for regulating loaded transformers. E. L. Strolinskii and others. Elektrichestvo 7:1-12 Jl '63.

Determination of the principal dimensions of electric transformers G. V. Dul', I. D Kutiavin. Izv. vys. uchob. zav.; elektromekh. 6 no. 5:551-556 '63.

N

voprosy tekhnologii izgotovleniia transformatorov. Moskva, 1963. 18 p. (Elektrotekhnicheskaia promyshlennost' za rubezhom)

Networks and designs of three-phase contactless transformer-type voltage regulators B. N. Sergeenkov Vest. elektroprom. 34 no 8 30-34 Ag '63.

Optimization of cascaded Tshebyshev transformers. G. P. Veselkov. Izv. vys. uchob zav.; radiotekh. 6 no. 3:316-319 My-Je '63.

Practical techniques in designing static frequency doublers. S. V. Mokrovskii. Izv. vys. uchob. zav., elektromekh. 6 no 6:714-722 '63.

Steady-state conditions in electric current transformers with excitation operating in a three-phase network with an active-inductive d. c. load. M. G. Minasakanian. Izv. vys. uchob. zav., elektromekh. 6 no. 6:683-690 '63.

Study of thermal operating conditions of small heat-resistant power transformers. L. P Nasudkin. Izv. vys uchob. zav.; elektromekh 6 no. 5:557-564 '63.

ELECTRIC TRANSFORMERS (Continued)

System for cleaning and drying transformer insulating oil. P. E. Vdovin, L. V. Okhtemenko. Prom. energ. 18 no. 6:22-26 Ag '63.

Theory of thermal conditions of low-power transformers V. N. Cherkasov Izv. vys. ucheb. zav., prib 6 no. 3:124-133 '63.

ELECTRIC UTILITIES—RATES

Night rates on electric power in rural areas. V. R. Krausp. Mekh. i elek. sots. sel'kho... 21 no. 5:11-13 '63.

ELECTRIC WELDING

Dul'kin, V. IA., and A. A. Ulesov. [Submerged arc welding of reinforcements] Vannaia elektrodugovaia svarka armatury. Moskva, Oborongosizdat, 1962. 53 p (Iz opyta energeticheskogo stroitel'stva)

Conference on the design of welded structures Energomashinostroenie 9 no. 6:38 Je '63

Welding and surfacing with powder wire V. N. Troepol'skii, P. A. Diveev Transp. stroi. 13 no. 7:36-38 Jl '63

ELECTRIC WELDING—EQUIPMENT AND SUPPLIES

Gun for stud welding. IU. N. Llanda. Sudostroenie 29 no. 5:51 My '63.

Improved welding head for PDPG-type semiautomatic machines. A. S. Zelikson. Sudostroenie 29 no. 7:65 Jl '63.

[illegible] nie avtomaticheskikh svarochnykh mashin, referativnaia informatsiia. Moskva, 1963 19 p.

[MICROFILM]

ELECTRIC WELDING—STUDY AND TEACHING

New curriculum. V. IAblonovskii. Prof.-tekh. obr. 20 no. 8:23 Ag '63.

Preparing for a diploma. B. Vatnik. Prof.-tekh. obr. 20 no. 8:23-24 Ag '63.

ELECTRIC WIRING—SAFETY REGULATIONS

Electrical wiring in explosion-hazardous systems P. V. Filimonov. Prom. energ. 18 no. 5:62 My '63.

ELECTRICITY IN AGRICULTURE

(see also subdivision under White Russia)

Methodology for choosing optimum sectionalizing points in 6 to 10 kv. power distribution networks. N. M. Zul', A. M. Agalarov. Mekh. i elek. sots. sel'khoz. 21 no. 4: 36-38 '63.

Vorob'ev, F. F. [Electrification in socialist agriculture] Elektrifikatsiia sotsialisticheskogo sel'skogo khoziaistva. Moskva, Goskul'tprosvetizdat, 1954. 55 p (Bibliotechka v pomoshch' lektoru)

ELECTRICITY IN AGRICULTURE—SAFETY MEASURES

see subdivision under Germany, East

ELECTRICITY IN MINING

Expenditure of electric power in mines D. I. Gertsenshtein Prom. energ. 18 no. 7:6-7 Jl '63.

Operating characteristics of electric charging devices with semiconductor rectifiers for use in mines S. A. Volotkovskii and others Vest. elektropром. 34 no. 8 62-64 Ag '63

Using the circuit of a grounded wire of a screened flexible mine cable as a telemechanical line of communication. B. S. Zubov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 7:132-139 '63.

ELECTRICITY IN MINING—SAFETY MEASURES

Safety measures for the use of electricity in enterprises of the mining industry. L. S. Tonkoshkur. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 7:201 '63.

ELECTRICITY ON SHIPS

Arrangement for the automatic distribution of active loads on marine synchronous generators. L. N. Tokarev. Sudostroenie 29 no. 5:31-34 My '63.

Marine electric power plant of the "Arkhangel'skies"-type lumber carrier. IU. Chukashev. Mor. flot 23 no. 5:26-28 My '63.

Prospects for the use of electronic controlling machines for the automation of marine power plants. M. M. Ladyzhenskii. Sudostroenie 29 no. 7:35-38 Jl '63.

Quantitative evaluation of the reliability of marine electric power systems. I. A. Riabinin. Sudostroenie 29 no. 7:32-35 Jl '63.

Regulations on the electric equipment of merchant ships. D. F. Pervukhin. Sudostroenie 29 no. 5:65-66 My '63.

Regulator of the parallel operation of two mounted direct current generators with self excitation. I. B. Nikel'shpurg. Sudostroenie 29 no. 7:38-41 Jl '63.

Shortcomings of two books on the electrical equipment of ships. A. Rubtsov. Rech. transp. 22 no. 7:54 Jl '63.

Ways of improving the operation of the electrical equipment of "Raketa"-type ships. V. Polianskii. Rech. transp. 22 no. 7:49 Jl '63.

ELECTRICITY ON SHIPS—SAFETY MEASURES

RC circuits in control and protection systems of electric equipment on ships. K. N. Kirillov, S. V. Grudzinskii. Sudostroenie 29 no. 7 41-43 Jl '63

ELECTRIFICATION

Vilenskii, M. A. [Electrification of the U. S. S. R. and the distribution of productive forces] Elektrifikatsiia SSSR i razmeshchenie proizvoditel'nykh sil. Moskva, Sotsekgiz, 1963 245 p

ELECTROACOUSTICS

Electroacoustic effects in piezoelectric semiconductors. V. B. Sandomirskii, Sh. M. Kogan. Fiz. tver. tela 5 no. 7:1804-1809 Jl '63.

ELECTROCAPILLARY PHENOMENA

Electrocapillary effect in the electromagnetic field. G. A. Korchinskii, V. M. Andrianov Zhur. fiz. khim 37 no. 8:1920-1921 Ag '63.

ELECTROCARDIOGRAPHY

Changes in the electrocardiogram in pulmonary tuberculosis following pulmonectomy [with summary in French]. Z. N. Balezina. Probl. tub. no. 8 65-71 '62

Index of the discordance of the electrocardiogram and its diagnostic significance A. V. Gol'tsman Kardiologiia 3 no. 5 87-88 My-Je '63

Process of myocardial repolarization in hypertension [with summary in English] V. P. Nikitin Kardiologiia 3 no. 3 33-39 My-Je '63

ELECTROCHEMICAL ANALYSIS

Lamp galvanometer for electrochemical measurements A. S. Chegolia, L. A. Parfenov. Zav. lab. 29 no. 8:1013 '63.

ELECTROCHEMISTRY

Electrochemical behavior of cadmium sulfide. V. A. Tiagai. Izv. AN SSSR, Ser. khim. no. 9:1556-1562 S '63.

On zero points of metals. L. I. Antropov. Ukr. khim. zhur. 29 no. 6:555-565 '63.

ELECTRODES

Analysis of multielectrode galvanic systems by means of equivalent electrical circuits [with summary in English]. IU. IA. Iosel', K. B. Shchigolevskii. Zhur. fiz. khim. 37 no. 8:1669-1693 Ag '63.

Apparatus for measuring the exchange current and true rate of the anodic process on amalgam electrodes with the aid of radioisotopic tracers [with summary in English]. V. V. Losev, M. A. Dombrovskii, A. I. Molodov Zhur. fiz. khim. 37 no. 8:1901-1907 Ag '63.

ELECTRODES, CARBON

Dependence of carbon electrode potential on the pH of a solution under isoelectric conditions. E. A. Ponomarenko, A. N. Frumkin, R. Kh. Burshtein. Izv. AN SSSR, Ser. khim. no. 9:1549-1558 S '63.

ELECTRODES, COPPER

Mechanism of electrode processes of the copper oxide electrode [with summary in English]. V. N. Flerov. Zhur. fiz. khim. 37 no. 8:1733-1736 Ag '63.

ELECTRODES, DROPPING MERCURY

Reduction of anions on the dropping mercury cathode in the presence of small amounts of lanthanum ions [with summary in English]. Liu Show-zhun [Liu Shou-jung], S. I. Zhdanov. Zhur. fiz. khim. 37 no. 8:1750-1756 Ag '63.

Reduction of the MnO_4^- on a mercury-dropping electrode. B. N. Rybakov, N. V. Nikolaeva-Fedorovich Dokl. AN SSSR 151 no. 5:1135-1138 Ag '63.

ELECTRODES, INDIUM

Passivation of indium in aqueous solutions. T. I. Popova, N. A. Simonova. Izv. AN SSSR, Ser. khim. no. 7:1187-1191 Jl '63.

ELECTRODES, MERCURY

Catalytic evolution of hydrogen on mercury when a high proportion of the electrode surface is filled with the catalyst. A. N. Frumkin, D. I. Dzhaparidze, G. A. Tedoradze. Dokl. AN SSSR 152 no. 1:164-167 S '63.

ELECTRODES, PALLADIUM

Effect of functional groups on the electrolytic reduction of unsaturated organic compounds on the Pd electrode [with summary in English]. I. I. Kulakova, A. V. Shashkina. Zhur. fiz. khim. 37 no. 8:1728-1732 Ag '63.

Reduction and electrolytic reduction of organic compounds on the Pd electrode [with summary in English]. A. V. Shashkina, I. I. Kulakova. Zhur. fiz. khim. 37 no. 8: 1718-1725 Ag '63.

ELECTRODES, PLATINUM

Electrolytic reduction of unsaturated compounds on the platinized platinum cathode. Part 2: Electrolytic reduction of allyl alcohol [with summary in English]. M. E. Manzhelei, A. F. Sholin. Zhur. fiz. khim. 37 no. 8:1825-1831 Ag '63.

Kinetic studies of processes taking place on the platinum electrode in hypochlorite solutions [with summary in English]. I. E. Flis, I. M. Vorob'ev. Zhur. fiz. khim. 37 no. 8:1805-1812 Ag '63.

Use of a platinum electrode in the polarographic study of complex formation in melts IU. K. Delimarskii, V. F. Grishchenko Ukr. khim. zhur. 29 no. 5:502-507 '63

ELECTRODES, RHODIUM

Comparison of the rates of the catalytic reduction and electrolytic reduction of some organic substances on rhodium. Part 3 T. M. Grishina, G. P. Khomchenko, G. D. Vovchenko Vest. Mosk. un-ta Ser. 2, Khim. 18 no. 1:55-58 Jl-Ag '63

ELECTRODIALYSIS

Transfer of saccharose through the ion exchange membranes during the electrodialysis purification of its solutions B. M. Leibovich, I. I. Zelikman Sakh. prom. 37 no. 9:30-36 S '63

ELECTROENCEPHALOGRAPHY

Change in the bioelectric activity of the cortex of a rabbit after the exclusion of visual reception [with summary in English]. A. S. Batury. Vest. LGU 18 no. 15 98-111 '63.

Changes in the electrical activity of the cerebral cortex during the formation of a conditioned reflex in monkeys [with summary in English] Wang T'ai-An, N. I. Nezlina Zhur. vys. nerv. deiat. 13 no. 2 235-242 Mr-Ap '63

Changes in the spontaneous bioelectrical activity of the brain during serum sensitization [with summary in English] Kh. M. Markov Zhur. vys. nerv. deiat. 13 no. 2 316-325 Mr-Ap '63

Clinical electroencephalographic study of hypotension with neuropsychic disorders. G. V. Ryzhikov, IU. N. Fedorovskii. Trudy 1-go MMI 21 204-217 '63.

Clinical electroencephalographic study of reactive states in patients suffering from cerebral atherosclerosis. P. M. Popov Trudy 1-go MMI 21 308-321 '63.

Distribution of induced potentials in the cerebral cortex of rabbits under the influence of light stimuli of various brightness [with summary in English] V. B. Pokhanskii Zhur. vys. nerv. deiat. 13 no. 2 301-308 Mr-Ap '63

Formation of conditioned avoidance reflex to stimulation of the "recruiting" system used as a conditioned stimulus I. Andrian, E. Grashchian, G. T. Sakhiulina. Zhur. vys. nerv. deiat. 13 no. 2 228-234 Mr-Ap '63

Mechanisms of the reaction of the reconstruction of electroencephalographic rhythm. Part 2: Reflection of the functional state of the cerebral cortex within the parameters of the response. A. IA. Supin Nauch. dokl. vys. shkoly; biol. nauki no. 3:69-74 '63.

Peculiarities in the nocturnal sleep of patients with atherosclerosis of the vessels of the brain with mental disorders according to electroencephalographic data V. I. Fedortsov, G. N. Fedorovskii Trudy 1-go MMI 21 192-203 '63.

Technique of double stimulation in electroencephalography as a method to evaluate the reactivity of the central nervous system in man [with summary in English]. M. V. Vogralik Terap. arkh. 35 no. 1:78-83 Ja '63.

ELECTROFORMING

Electric contact forming. B. Kosenko Sel'. mekh. no. 5 19 My '63

ELECTROKYMOGRAPHY

Electrokymogram of the cardiac ventricles [with summary in English] K. V. Chernetskii. Kardiologiia 3 no. 3:73-78 My-Je '63

Electrokymographic investigation of combined mitral-aortic stenoses [with summary in English]. K. A. Kosharko. Sov. med. 27 no. 7:18-21 Jl '63.

ELECTROLUMINESCENCE

Brightness control of electroluminophors by means of ferroelectrics. A. L. Khodakov, A. V. Turik. Izv. vys. ucheb. zav.; fiz. no. 4:100-105 '63.

Some results of studying electroluminescence in p-n junctions of silicon carbide. IU. S. Blank, IU. A. Vodakov, A. A. Mostovskii. Fiz. tver. tela 5 no. 8:2228-2229 Ag '63.

ELECTROLYSIS

Effect of the electrolyte phase composition on electrochemical polymerization [with summary in English]. N. S. TSvetkov, Z. F. Glotova. Vysokom. soed. 5 no. 7: 997-1001 Jl '63.

ELECTROLYTE SOLUTIONS

Electrical double layer in fused salts and concentrated electrolyte solutions. G. A. Martynov, B. V. Deriagin. Dokl. AN SSSR 152 no. 1:140-142 S '63.

Influence of image forces on charge distribution in a double electric layer. P. G. Ali-Zade, G. A. Martynov, V. G. Melamed. Dokl. AN SSSR 151 no. 3:601-603 Jl '63.

Solubility of silver bromate in aqueous solutions of nitrates and sulfates of manganese, cobalt, nickel, and copper IU. L. Lel'chuk and others Izv. TPI 111 51-5 '61.

Temperature dependence of the electric conductivity of aqueous solutions of electrolytes and its relation to the structure of water [with summary in English]. A. V. Pamfilov, O. M. Dolgaia. Zhur. fiz. khim. 37 no. 8: 1800-1804 Ag '63.

ELECTROLYTE SOLUTIONS—ANALYSIS

Determination of low-valence titanium in fused chloride electrolytes. N. V. Ogorodnova-Zakharova. Titan i ego splavy no. 9:249-251 '63

ELECTROLYTE SOLUTIONS—DIPOLE MOMENTS

Effect of viscosity and molar volume on the shape of isotherms of electric conductance in binary systems [with summary in English] A. A. Strel'nikov Zhur. fiz. khim 37 no. 8:1665-1668 Ag '63

ELECTROLYTES

Effect of electrolytes on the process of heating. N. P. Perekal'skii, V. F. Filatenkov. Trudy LTITSBP no. 8 46-52 '61.

Investigating the process of the electrolytic refining of lead in a nitric acid electrolyte. V. I. Solov'eva, O. A. Khan. Trudy Alt. GMNII AN Kazakh. SSR 14 75-85 '63.

Selection of additives for improving the composition of electrolytes for aluminum baths. S. V. Tutarin, A. I. Beliaev. Izv. vys. ucheb. zav., tsvet. met. 6 no 3: 96-99 '63.

Study of ion exchange processes between the KU-2 cation exchanger in H^+-, K^+-, Mg^{2+} ions and solutions of certain electrolytes Kh. F. Azizov, M. N. Nabiev. Uzb. khim. zhur. 7 no. 3 5-12 '63

Synthesis of soluble polyelectrolytes by sulfonation of polystyrene [with summary in English] A. S. Tevlina, E. B. Trostianskaia. Vysokom. soed. 5 no 8, 1178-1182 Ag '63.

ELECTROLYTES—ANALYSIS

Conference of workers in the aluminum industry on the composition of electrolytes. A. I. Beliaev, A. A. Kostiukov. TSvet. met. 36 no. 8:89-91 Ag '63.

Effect of impurities and temperature of the electrolyte and indices of the cadmium and vanadium electrolysis process in baths with stationary cathodes. G. N. Sosnovskii, O. A. Khan. Trudy Alt. GMNII AN Kazakh. SSR 14:90-99 '63.

ELECTROLYTES—THERMAL PROPERTIES

Heat conductivity of aqueous solutions of salt electrolytes. N. K. Pridnikov. Sbor. nauch. trud IEI no. 10:73-81 pt. 2 '62.

ELECTROLYTIC OXIDATION see Oxidation, Electrolytic

ELECTROMAGNETIC FIELDS

Effect of collisions on the localization of electrons in a high-frequency field. IA. M. Pinskii. Zhur. tekh. fiz. 33 no. 7 864-866 Jl '63.

Electrocapillary effect in the electromagnetic field. G. A. Korchinskii, V. M. Andrianov. Zhur. fiz. khim. 37 no. 8:1820-1821 Ag '63.

Space correlation of random electromagnetic fields in a plasma. Part 2 [with summary in English]. V. F. Alekslin, K. N. Stepanov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:480-487 '63.

ELECTROMAGNETIC PROSPECTING see subdivision under Baikal Lake region

ELECTROMAGNETIC WAVES

Absorption of an electromagnetic wave incident on a half-space filled with a plasma [with summary in English]. V. V. Arsenin. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3 457-460 '63.

Averaged boundary conditions on the surface of a grid with quadratic cells. M. I. Kontorovich. Radiotekh. i elektron. 8 no. 9:1509-1516 S '63.

Dependence of the structure of electromagnetic shock waves in two-wire transmission lines on the dispersion characteristics of the system in the linear approximation [with summary in English]. G. I. Freidman. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:536-550 '63.

Formation of electromagnetic shock waves in transmission lines with unsaturated ferrite [with summary in English]. A. M. Bolantsev, IU. K. Bogatyrev, L. I. Solov'eva. Izv. vys. ucheb. zav., radiofiz. 6 no. 3: 551-560 '63.

Propagation of a quasi-H_{01} wave in an H-shaped wave guide [with summary in English]. N. A. Kuz'min, T. V. Makarov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3, 561-564 '63.

Role of an electrostatic field in the propagation of electromagnetic waves in a plasma. V. V. Zheleznia-kov, E. IA. Zlotnik. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:634-636 '63.

Stationary electromagnetic shock waves in transmission lines with unsaturated ferrite [with summary in English]. A. M. Bolantsev, IU. K. Bogatyrev, L. I. Solov'eva. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:561-571 '63.

Surface impedance for periodical nonstationary media. V. N. Lugovoi. Radiotekh. i elektron. 8 no. 9, 1633-1636 S '63.

Theory of the motion of charges along the axis of a channel in a medium. V. N. TSytovich. Zhur. tekh. fiz. 33 no. 7:795-800 Jl '63.

Velocity of weak waves in an emitting gas. V. A. Prokof'ev. PMTF no. 3:11-19 My-Je '63.

ELECTROMAGNETIC WAVES—SCATTERING

Scattering of electromagnetic waves by fluctuations in a plasma in the presence of a magnetic field [with summary in English]. A. G. Sitenko, IU. A. Kirochkin Izv. vys. ucheb. zav., radiofiz. 6 no 3:460-470 '63.

ELECTROMAGNETS

Calculation of the inductance of π- and π'-type electromagnets with plane armatures I. I. Pekker. Izv. vys. ucheb. zav., elektromekh. 6 no. 8 973-981 '63.

Mooring with the help of electromagnets. V. Meleshkin, G. Meleshkin Mor. flot 23 no. 5:38-39 My '63.

Principles of the design of electromagnets using consecutive approximations I. I. Pekker Izv. vys. ucheb. zav., elektromekh 6 no. 6 775-777 '63

ELECTROMECHANICAL ANALOGIES

Experimental studies of a single-rotor working part of a caving excavator. A. R. Mattis. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:43-48 '62.

Laboratory studies of a rotor with inertial unloading V. M. Vladimirov, G. N. Sutlagin. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:49-52 '62.

ELECTROMETALLURGY

Analysis of the technical and economic indices of the performance of continuous steel pouring installations D. I. Popov, A. G. Zubarev. Stal' 23 no. 8 752-754 Ag '63

Effect of the specific resistance of the liquid products of smelting on the performance of electric furnaces. G. F. Platonov. Trudy Alt. GMNII AN Kazakh. SSR 14 134-140 '63.

Peculiarities of the operating conditions of electric slag refining equipment. L. N. Bollanchikov and others. Izv. vys. ucheb. zav., chern. met. 6 no. 7 76-82 '63.

ELECTROMOTIVE FORCE

Dependence of carbon electrode potential on the pH of a solution under isoelectric conditions. E. A. Ponomarenko, A. N. Frumkin, R. Kh. Burshtein. Izv. AN SSSR. Ser. khim no. 9:1549-1555 S '63.

Influence of image forces on charge distribution in a double electric layer. P. G. Ali-Zade, G. A. Martynov, V. G. Metamed. Dokl. AN SSSR 151 no. 3:601-603 Jl '63.

Isobaric potential of the formation of fused zinc chloride. B. F. Markov, S. V. Volkov. Ukr. khim. zhur. 29 no. 5: 511-515 '63.

Mechanism of electrode processes of the copper oxide electrode [with summary in English]. V. N. Flerov. Zhur. fiz. khim. 37 no. 8:1733-1738 Ag '63.

On zero points of metals. L. I. Antropov. Ukr. khim. zhur. 29 no. 6:555-565 '63.

ELECTROMYOGRAPHY

Iusevich, IU. S. [Electromyography of the tonus of the skeletal musculature in man under normal conditions and in pathology] Elektromiografiia tonusa skeletnoi muskulatury cheloveka v norme i patologii. Moskva, Medgiz, 1963. 161 p.

ELECTRON BEAMS

Dynamics of the motion of opposite beams with allowance for their interaction in storage systems. E. M. Moroz Zhur. tekh. fiz. 33 no. 4:455-461 Ap '63.

Equalization of longitudinal velocities of electrons in modulated streams. A. T. Popov. Zhur. tekh. fiz. 33 no. 7:832-834 Jl '63.

Methods for calculating the parameters of a buncher with v_f = const. A. I. Zykov, E. K. Ostrovskii. Zhur. tekh. fiz. 33 no. 7, 892-894 Jl '63.

Power measurements at superhigh frequencies by means of a sounding electron beam B. G. Eremin, S. B. Mochenev. Prib. i tekh. eksp. 8 no. 3:108-112 My-Je '63.

Pulsed electron gun for controlling beams of high-density current. S. N. Treneva. Prib. i tekh. eksp 8 no 3:177-178 My-Je '63.

Reaction on opposite electron beams. V. D. Mikhailov. Zhur. eksp. i teor. fiz. 45 no. 2:383-385 Ag '63.

Some energy characteristics of the passage of electrons through solids. A. IA. Vlatskin, A. N. Pilankevich. Fiz. tver. tela 5 no. 8:2285-2293 Ag '63.

Use of a variable magnetic field for determining $\frac{e}{m}$ G. A. Ivanov. Uch. zap. Ped. inst. Gerts. 197:215-222 '58.

ELECTRON DIFFRACTION APPARATUS

Electron spectrograph for the EG-100A electron diffraction camera. IU. M. Kushnir and others. Izv. AN SSSR Ser. fiz. 27 no. 9:1196-1198 S '63.

ELECTRON DIFFRACTION EXAMINATION

Electron diffraction and electron microscope examination of a transition layer of tin plate. G. A. Kokorin. Zav. lab. 29 no. 8:952-954 '63.

Electron diffraction examination of the structure of ammonium sulfate. V. V. Udalova, Z. G. Pinsker. Kristallografiia 8 no 4:538-547 Jl-Ag '63.

Electron diffraction examination of the superlattice compound molybdenum nitride. N. V. Troitskaia, Z. G. Pinsker Kristallografiia 8 no. 4:548-555 Jl-Ag '63.

Electron diffraction study of elastic deformation in thin condensed polycrystalline films of aluminum and silver. L. S. Palatnik and others. Dokl. AN SSSR 151 no. 3 556-559 Jl '63.

Electron diffraction study of fluorine-containing polymers [with summary in English]. S. S. Leshchenko, V. L. Karpov, V. A. Kargin. Vysokom. soed. 5 no. 7: 953-959 Jl '63.

Electron-microscopic and electron diffraction studies of photosensitive lead sulfide films obtained by precipitation from solutions. V. N. Vertsner and others. Izv. AN SSSR. Ser. fiz. 27 no. 9:1228-1231 S '63

Electronographic examination of films formed on lead by anticorrosive additives. V. S. Demchenko, V. N. Shchemelev. Khim. i tekh. topl. i masel 8 no. 8 64-69 Ag '63.

Study of the phase structure of the system Ni - Te in thin films and the β-phase of NiTe G. G. Dvoriankina, Z. G. Pinsker Kristallografiia 8 no 4 556-560 Jl-Ag '63

ELECTRON GAS

Properties of an artificial electron cloud created in a medium with variable density. N. P. Martin. Radiotekh. i elektron. 8 no. 9, 1587-1593 S '63.

ELECTRON MICROSCOPE

Combined scanning electron microscope and X-ray microanalyzer with magnetic electron optics. IU. M. Kushnir and others. Izv. AN SSSR. Ser. fiz 27 no. 9: 1166-1172 S '63.

Dependence of contrast in an electron-microscopic image on the accelerating voltage. A. N. Pilankevich. Izv. AN SSSR. Ser. fiz. 27 no. 9:1149-1153 S '63.

Determining the magnification of an EM-5 electron microscope. G. A. Kokorin, V. I. Lopatin Zav. lab 29 no. 9:974-975 '63.

EM-7 electron microscope. V. N. Vertsner and others. Izv. AN SSSR. Ser. fiz. 27 no. 9:1193-1195 S '63.

Effect of spherical aberration of the objective lens on contrast in images of extended objects. A. N. Pilankevich. Izv. AN SSSR. Ser. fiz. 27 no. 9:1117-1146 S '63.

Formation of contrast in mirror-type, emission, and scanning electron-optical systems. G. V. Spivak and others. Izv. AN SSSR. Ser. fiz. 27 no. 9:1139-1146 S '63.

Phase contrast and maximum resolving power of an electron microscope. A. A. Vinzigis, IU. V. Vorob'ev. Izv. AN SSSR. Ser. fiz. 27 no. 9:1122-1126 S '63.

Reflecting electron microscope and its use in the quantitative study of semiconductors. G. V. Spivak, R. D. Ivanov. Izv. AN SSSR. Ser. fiz. 27 no. 9:1203-1206 S '63.

Some problems affecting the optics and design of high-resolution electron microscopes. P. A. Stoianov. Izv. AN SSSR. Ser. fiz. 27 no. 9:1239-1247 S '63.

ELECTRON MICROSCOPY

Development of electron microscopy. Zav. lab. 29 no. 8:899-900 '63.

Device for perforating orifices in electron microscope preparation sieves. V. A. Dorin, B. I. Kuznetsov. Zav lab. 29 no. 8:1012 '63.

Electron diffraction and electron microscope examination of a transition layer of tin plate. G. A. Kokorin. Zav. lab. 29 no. 8:953-954 '63.

Electron microscope study of catalysts on fibrous carbon. B. S. Tul'chinskii, IA. A. Satunovskii. Zav. lab 29 no. 8:962-965 '63.

Electron microscope study of oriented preparations of clay minerals G. G. Surovtsev, E. A. Tkachenko Zav. lab. 29 no. 8:965-966 '63.

Electron microscope study of polymer-cement suspensions. N. L. Strotkina, V. L. Smellanskii. Zav. lab. 29 no. 8:970-972 '63.

Electron microscope study of the structure of dispersion hardened alloys based on Fe-Ni-Cr. A. V. Smirnova. Zav. lab. 29 no. 8:948-952 '63.

Electron-microscopic and electron diffraction studies of photosensitive lead sulfide films obtained by precipitation from solutions. V. N. Vertsner and others. Izv. AN SSSR. Ser. fiz. 27 no. 9:1228-1231 S '63.

Electron-microscopic study of crystalline modifications of copper phthalocyanin. G. S. Zhdanov, IU. M. Vorona. Izv. AN SSSR. Ser. fiz. 27 no. 9:1232-1234 S '63.

Electron-microscopic study of the structure of ceramic materials revealed by ionic etching. A. I. Krokhina and others. Izv. AN SSSR. Ser. fiz. 27 no. 9:1224-1227 S '63.

Electron microscopic study of the sunflower seeds and the accumulation of reserve substances. I. N. Svoshnikova, IU. P. Bollakina. Dokl. AN SSSR 151 no. 5:1222-1224 Ag '63.

Electron microscopy in the laboratory of the "Krasnyi oktiabr'" plant. A. P. Okenko, M. I. Ivanenkov. Zav. lab. 29 no. 8:1018 '63.

Kinetics of the aging of commercial-grade iron and the nature of structural changes at various stages of aging. Fiz. met. i metalloved. 16 no. 1 51-56 Jl '63

Obtaining replicas by the simultaneous evaporation of carbon and preshadowed substance. S. M. Poliakov, T. S. Zimina. Zav. lab. 29 no. 8:973-974 '63.

Obtaining structureless replicas for electron microscopy. V. A. Marikhin. Zav. lab. 29 no. 8:973 '63.

ELECTRON MICROSCOPY (Continued)

Obtaining thin films of aluminum and its alloys for studying in a light-transmitting electron microscope. V. B. Spitsyn, Zav. lab. 29 no. 8:972-973 '63.

Preparation of microsieves for electron microscopy. V. A. Markhin, L. P. Romankova. Zav. lab. 29 no. 8:975 '63.

Reflecting electron microscope adapted for studying various objects during deformation. L. B. Rozenfel'd and others. Izv. AN SSSR, Ser. fiz. 27 no. 9:1184-1187 S '63.

Structure of the surface of porous, coarse-grained, and powder objects. L. I. Zemlianova, A. M. Lugina. Zav. lab. 29 no. 8:960-962 '63.

Study of synthetic polymers and molecular crystals by the negative contrast method. E. M. Belavtseva, E. Z. Gumargalieva. Zav. lab. 29 no. 8:966-968 '63.

Supermolecular structure of capron fibers [with summary in English]. V. A. Berestnev, K. Kh. Razikov, V. V. Kargin. Vysokom. soed. 5 no. 8:1156-1159 Ag '63.

Television method for increasing brightness and contrast in an electron microscope. Iu. V. Chentsov, V. N. Vertsner. Izv. AN SSSR, Ser. fiz. 27 no. 9:1207-1209 S '63.

Tracing the development of microcracks in ceramics. V. G. Bravinskii, A. M. Reshetnikov. Izv. AN SSSR, Ser. fiz. 27 no. 9:1219-1223 S '63.

Ultrasonic dispersion of powder objects for electron microscope studies. E. F. Levin, I. S. Mel'nikov. Zav. lab. 29 no. 8:1022 '63.

Use of an emission electron microscope in measuring the potential distribution in a p-n junction. N. N. Sedov, G. V. Spivak, V. G. Diukov. Izv. AN SSSR Ser. fiz. 27 no. 9:1179-1183 S '63.

Use of an emission electron microscope in studying semiconductors and dielectrics. N. N. Sedov, G. V. Spivak, V. G. Diukov. Izv. AN SSSR, Ser. fiz. 27 no. 9:1173-1178 S '63.

Use of electron microscopy for evaluating the distribution of carbon black in rubber compounds. K. A. Pechkovskaia. Zav. lab. 29 no. 8:968-970 '63.

Use of electron microscopy in solving some problems of chemical technology. V. A. Sokol and others. Zav. lab. 29 no. 8:956-959 '63.

Using electron microscopy for the study of reagent interaction with the inevitable pulp ions and mineral surfaces. S. I. Pol'kin, A. M. Konilov, E. P. Petukhov. Izv. vys. uchebn. zav., tsvet. met. 6 no. 3:29-34 '63.

ELECTRON OPTICS

Achromatic quadrupole lenses. V. M. Kel'man and others. Izv. AN SSSR, Ser. fiz. 27 no. 9:1135-1138 S '63.

Attachment to an electron-optical device for studying the luminescence of cathodoluminophors. Iu. V. Voronov, A. G. Ovchinnikov. Prib. i tekh. eksp. 8 no. 3:190-191 My-Je '63.

Calculation of electron-optical systems with corrected astigmatism. K. P. Dutova, P. P. Kastiankov. Izv. AN SSSR, Ser. fiz. 27 no. 9:1127-1130 S '63.

Experimental setup of nonaxisymmetric optics for probing systems. G. G. Dutov, A. M. Solov'ev, S. A. Toporkov. Izv. AN SSSR, Ser. fiz. 27 no. 9:1154-1157 S '63.

Four quadrupole lenses as an analogue of an axisymmetric system. A. D. Dymnikov, S. IA. IAvor. Zhur. tekh. fiz. 33 no. 7:851-853 Jl '63.

Selection of optimum operating conditions for electron-optical probing systems. G. G. Dutov, A. M. Solov'ev. Izv. AN SSSR, Ser. fiz. 27 no. 9:1158-1161 S '63.

Some problems affecting the optics and design of high-resolution electron microscopes. P. A. Stolarov. Izv. AN SSSR, Ser. fiz. 27 no. 9:1239-1247 S '63.

System of four quadrupole lenses, analogous to axially symmetric lenses. A. D. Dymnikov, T. IA. Fishkova, S. IA. IAvor. Izv. AN SSSR, Ser. fiz. 27 no. 9:1131-1134 S '63.

Visualization of a magnetic sound-recording field by means of an electron mirror. G. V. Spivak and others. Izv. AN SSSR, Ser. fiz. 27 no. 9:1210-1216 S '63.

ELECTRON-TUBE OSCILLATORS see Oscillators, Electron-tube

ELECTRON TUBES

Contribution to the theory of the approximation of electron tube characteristics with large voltage amplitudes. M. I. Zhodzishskii. Izv. vys. ucheb. zav.; radiotekh. 6 no. 3:304-307 My-Je '63.

Measuring the input conductivity of tubes operating in a pulsed system. O. S. Kolotov. Prib. i tekh. eksp. 8 no. 3:93-96 My-Je '63.

Parallel operation of pulse tubes. V. Prianishnikov. Radio no. 8:52 Ag '63.

Similarity of electronic vacuum systems. M. S. Neiman. Izv. vys. ucheb. zav.; radiotekh. 6 no. 3:217-229 My-Je '63.

ELECTRONIC ANALOG COMPUTERS

Analog-to-code converter of parallel reading with arithmetic output. V. P. Skuridin. Priborostroenie no. 9:17-18 S '63.

Device for simulating a hysteresis loop in analog computers designed for calculating electrical networks. A. D. Drozdov, S. D. Khlebnikov. Izv. vys. ucheb. zav., elektromekh. 6 no. 5:641-642 '63.

Methodology of studying the dynamic properties of reinforcements on electronic models. O. A. Zalesov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 7:145-150 '63.

Transistorized volt-to-code converter. V. N. Ustimenko, E. I. Shpits. Priborostroenie no. 9:13-14 S '63.

Using electronic models to establish an analytical relationship between the pressure and height of peat in a mold. A. V. Semenov, A. I. Shum. Izv. vys. ucheb. zav., gor. zhur. 6 no. 7:157-160 '63.

ELECTRONIC APPARATUS AND APPLIANCES

Cathaliometric leak detector. B. I. Apter. Prib. i tekh. eksp. 8 no. 3:133-136 My-Je '63.

Control and regulation apparatus and laboratory instruments in the textile industry. Inform. biul. VDNKH no. 5:10 My '63.

Observation of the domain structure of triglycine sulfate by means of an interference microscope. G. V. Spivak and others. Izv. AN SSSR, Ser. fiz. 27 no. 9:1199-1202 S '63.

Photoelectronic apparatus for measuring the thickness of thin films. V. D. Perevertaev, V. M. Kuptsanov, M. S. Metsik. Prib. i tekh. eksp. 8 no. 3:193-195 My-Je '63.

Stable one-tube integrator for nuclear radiation monitors. O. B. Dem'ianovskii, E. M. Leikin, K. I. Ablonin. Prib. i tekh. eksp. 8 no. 3:82-84 My-Je '63.

Tau-meter. P. A. Subbota-Mel'nik. Prib. i tekh. eksp. 8 no. 3:106-107 My-Je '63.

UIT-1 apparatus for fast etching of metals, semiconductors, and dielectrics by ionic bombardment. G. V. Spivak, V. L. Urasova, F. I. Kushnir. Izv. AN SSSR, Ser. fiz. 27 no. 9:1188-1192 S '63.

ELECTRONIC CIRCUITS

Leningrad. Universitet. Fizicheskii fakul'tet. [Laboratory work on linear systems] Laboratornye raboty po lineinym sistemam. [Leningrad], 1963. 16 p.

ELECTRONIC COMPUTERS

The ABC's of calculating machines. Tekh. mol. 31 no. 9:31 '63.

Analysis of the operation of a capacitive parametron. G. I. Rassokhin. Izv. vys. ucheb. zav. radiotekh. 6 no. 3:209-218 My-Je '63.

Arrangement of intermediate information in computations using noncoding Turing machines. N. V. Belikin. Dokl. AN SSSR 152 no. 1:75-77 S '63.

Automatic control of converter smelting by means of computers. K. S. Gargeev and others. Stal' 23 no. 7:608-610 Jl '63.

Calculation and design of inductive parametrons. V. A. Sokolov. Izv. vys. ucheb. zav., radiotekh. 6 no. 3:249-258 My-Je '63.

Decoding "number-angle" converter with intermediate transformation. N. A. Smirnov and others. Izv. vys. ucheb. zav., elektromekh. 6 no. 5:597-601 '63.

Establishing decade schedules for the start-up of the production and the output of parts using the "Ural-2" electronic computer. P. E. Efimov, Iu. P. Maksimov. Vest. mashinostr. 43 no. 8:80-85 Ag '63.

Interuniversity conference on the use of electronic computers in the design and study of electrical machines and apparatus. V. V. Cherchepov. Izv. vys. ucheb. zav.; elektromekh. 6 no. 8:1018-1020 '63.

Parallel conversion of reflected codes to conventional ones. L. V. Zhdanov. Priborostroenie no. 7:10-12 Jl '63.

Pneumatic multiplier circuit. V. A. Afonin, F. E. Temnikov. Priborostroenie no. 7:1-2 Jl '63.

Processing of cosmic radar signals by digital computers using the frequency filtration and storage method [with summary in English]. L. I. Filippov. Izv. vys. ucheb. zav., radiofiz. 6 no. 3:616-623 '63.

Television sets, radio apparatus, and electronic calculating machines. Inform. biul. VDNKH no. 7:10 Jl '63.

Use of electronic computers for calculating electromagnetic processes in converter systems. Chen I-sun', [Ch'en I-yün] Elektroenergetika no. 7:128-135 '63.

Use of electronic computers in rail transportation. A. I. Mitelko. Vop. rud. transp. no. 7:270-287 '63.

Use of the method of fictitious regions in solving certain boundary value problems by high-speed computers. V. K. Saul'ev. Sib. mat. zhur. 4 no. 4:912-925 Jl-Ag '63.

ELECTRONIC COMPUTERS—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur.: Avtom., telem. i vych. tekh. no. 9 S '63.

ELECTRONIC COMPUTERS—DESIGN AND CONSTRUCTION

Fire hazards of the electronic calculating machines. O. Volkov. Pozh. delo 9 no. 8:12-14 Ag '63.

ELECTRONIC CONTROL

Automatic control of proportioning metal charges. V. T. Antonenko. Priborostroenie no. 7:15-16 Jl '63.

Automatic control unit using transistor elements for diesel generators. A. P. Ariste, E. E. Velmre, Iu. A. Tisler. Priborostroenie no. 7:15-18 Jl '63.

Reliability of the performance of modern electronic systems of automatic control. V. IA. Ol'shevskii, N. D. Surzhikovskii. Trudy TSNII MPS no. 201:1-16 '63.

Taking lagging into consideration in the synthesis of an automatic system with a digital control computer. A. P. Litvinov. Izv. vys. ucheb. zav., prib. 6 no. 3:26-35 '63.

Use of prior information for the analysis of signals. I. B. Chelpanov. Trudy LPI no. 226:189-195 '63.

ELECTRONIC DATA PROCESSING

Firms are introducing electronic calculating machines. M. Begidzhanov, IA. Pivovarov. Sots. trud 8 no. 6:81-87 Je '63.

For a wider use of electronic data processing. G. Prudgov. Plan. khoz. 40 no. 8:48-52 Ag '63.

Liberman, V. B. [Mechanization of production planning] Mekhanizatsiia proizvodstvennogo planirovaniia. Moskva, Ekonomizdat, 1963. 166 p.

Means of automation in educational research. V. M. Verkhovov, V. O. Ruchkin. Rad. shk. 12 no. 8:46-50 Ag '63.

Several problems in utilizing electronic calculating machines in the national economy. V. Isakov. Vest. stat. no. 8:17-26 '63.

ELECTRONIC DATA PROCESSING—METAL CUTTING

Goranskii, G. K. [Using electronic computers in calculating cutting conditions] Raschet rezhimov rezaniia pri pomoshchi elektronno-vychislitel'nykh mashin. Minsk, Gos. izd-vo BSSR, 1963. 191 p.

ELECTRONIC DATA PROCESSING—STUDY AND TEACHING

Technical cybernetics club in a school. V. M. Kasatkin, A. K. Denisovych. Rad. shk. 12 no. 8:52-56 Ag '63.

ELECTRONIC DIGITAL COMPUTERS

Calculating propeller characteristics with the help of fast-acting electronic digital computers. F. M. Kateman, V. I. Asinovskii. Sudostroenie 29 no. 5:9-12 My '63.

Edilian, M. B. [Use of electronic digital computers in the synthesis of guiding mechanisms] Primenenie elektronnykh tsifrovykh mashin dlia sinteza napravliaiushchikh mekhanizmov. Erevan, Armgosizdat, 1963. 73 p.

A good manual on digital computers. N. A. Smirnov, V. B. Smolov. Priborostroenie no. 9:32 S '63.

Method of accelerated division of binary numbers using a digital computer. L. A. Golubev, L. M. Goreshtein. Priborostroenie no. 9:10-11 S '63.

Programming of digital computers for handling information according to the least squares method [with summary in English]. L. N. Volgin. Avtom. i telem. 24 no. 9:1281-1288 S '63.

Use of electronic digital computers for calculating gravimetric terrain corrections. L. A. Koval'. Izv. AN Kazakh SSR, Ser. geol. nauk no. 1:96-107 '63.

Using electronic digital computers in analyzing traction properties of a motor vehicle. A. N. Akhmedov. Avt. prom. 29 no. 9:23-26 S '63.

ELECTRONIC DIGITAL COMPUTERS—PROGRAMMING

Making cards for assembly work on electric digital computers. N. I. Vlasov, V. V. Kolesnikov. Transp. stroi. 13 no. 7:58-60 Jl '63.

ELECTRONIC INDUSTRIES—QUALITY CONTROL

Measure of certainty and prediction accuracy in determining the characteristics of complex automated systems using statistical methods [with summary in English]. N. S. Raibman. Avtom. i telem. 24 no. 9:1236-1249 S '63.

ELECTRONIC INSTRUMENTS

Investigating the relationship between metrological indices and parameters of measuring instruments with acoustic pickups. O. B. Belakshin. Trudy Inst. mash. Sem. po tech. v mash. i prib. no. 17:43-50 '63.

ELECTRONIC MEASUREMENTS

Passage of a signal between two superhigh-frequency probes immersed in a plasma. S. M. Levitskii, I. P. Shashurin. Zhur. tekh. fiz. 33 no. 4:429-436 Ap '63.

Power measurements at superhigh frequencies by means of a sounding electron beam. B. G. Eremin, S. B. Mochenev. Prib. i tekh. eksp. 8 no. 3:108-112 My-Je '63.

Use of an electronic automatic balancing EMD-type bridge in pressure measurements. P. P. Emets. Izv. vys. ucheb. zav.; elektromekh. 6 no. 5:631-633 '63.

ELECTRONICS—PATENTS

Foreign patents. Elektrosviaz' 17 no. 7:76 Jl '63.

ELECTRONICS—PERIODICALS see subdivision under United States

ELECTRONICS IN NAVIGATION

Technical possibility of automating the process of ships passing clear of each other. V. Chernyshev. Mor. flot 23 no. 6:16-17 Je '63.

ELECTRONOGRAPHY see Electron diffraction apparatus

ELECTRONS

Anisotropic behavior of the coefficient of ion-electron emission from single crystals. E. S. Mashkova, V. A. Molchanov, D. D. Odintsov. Dokl. AN SSSR 151 no. 5 1074-1075 Ag '63

Calculation of electron characteristics of metals. K. P. Gurov, I. E. Leksina, N. V. Penkina. Trudy Inst. met. no. 15 65-74 '63

Cascade units and critical energies for various substances [with summary in English]. O. I. Dovzhenko, A. A. Pomanskii. Zhur. eksp. i teor. fiz. 45 no. 2:268-278 Ag '63.

Charge exchange in the case of small resonance defects [with summary in English]. Iu. N. Demkov. Zhur. eksp. i teor. fiz. 45 no. 2:195-201 Ag '63.

Electron current at the outlet of a Penning tube. Iu. E. Kreindel'. Zhur. tekh. fiz. 33 no. 7 883-885 Jl '63.

Electron transfer in liquid binary metal systems. D. K. Belashchenko and others. Izv. vys. uchob. zav., chern. met. 6 no. 7:155-159 '63.

Meaning of the mean $\langle a^{+}_{q} a_{q} \rangle$. G. E. Zil'berman. Izv. vys. ucheb. zav., fiz. no. 1 136-141 '63.

Measuring the time of establishment of an equilibrium concentration of electrons behind a shock wave in the air. T. V. Bazhenova, Iu. S. Lobastov. Dokl. AN SSSR 151 no. 3 519-521 Jl '63.

Processes involved in intermolecular electron transfer under pulsed illumination. O. D. Dmitrievskii, A. N. Terenin. Dokl. AN SSSR 151 no. 1 122-124 Jl '63.

Radiation defects in germanium caused by fast 28 Mev. electrons. B. M. Konovalenko, S. M. Ryvkin, I. D. Laroshetskii. Fiz. tver. tela 5 no. 8 2075-2086 Ag '63.

Relaxation of the temperature of charged particles in a plasma. L. S. Batkov, R. R. Ramazashvili. Zhur. tekh. fiz. 33 no. 7 890-892 Jl '63.

Spin-resonance on F_2-centers in alkali halide crystals. Iu. V. Chkhartishvili. Fiz. tver. tela 5 no. 8 2378-2380 Ag '63.

State and several problems of the theory of the electronic clouds of molecules. N. D. Sokolov. Usp. khim. 32 no. 8:967-983 Ag '63.

Theory of transfer phenomena in electron-phonon systems in magnetic fields considering the entrainment of phonons. P. S. Zyrianov. Fiz. met. i metalloved. 16 no. 1 13-18 Jl '63.

ELECTRONS—CAPTURE

Current carrier recombination on zinc atoms in p-type silicon. K. D. Glinchuk, A. D. Denisova, N. M. Litovchenko. Fiz. tver. tela 5 no. 7:1933-1935 Jl '63.

Some characteristics of the radiative capture of electrons by indium and gallium atoms in silicon. IA. E. Pokrovskii, K. I. Svistunova. Fiz. tver. tela 5 no. 7. 1880-1886 Jl '63.

ELECTRONS—EMISSION

Electron emission from p-n junctions in SiC produced by nitrogen diffusion. I. Fridel', G. F. Kholuianov. Fiz. tver. tela 5 no. 7 1940-1945 Jl '63.

"Mechanoelectron" emission intensity during the breakoff and deformation of polymer films. A. M. Poliakov, N. A. Krotova. Dokl. AN SSSR 151 no. 1:130-133 Jl '63

Study of adsorption catalysis by the method of exoelectronic emission. A. S. Shashkov, I. V. Krylova, N. I. Kobozev. Zhur. fiz. khim. 37 no. 8:1851-1854 Ag '63.

ELECTRONS—SCATTERING

Anisotropic electron scattering in Ge and Si. I. V. Dakhovskii. Fiz. tver. tela 5 no. 8:2332-2338 Ag '63

Plastic and inelastic scattering of reflected electrons. Iu. M. Kushnir and others. Izv. AN SSSR. Ser. fiz. 27 no. 9:1235-1238 S '63.

Momentum transfer to an impurity center in a lattice by a scattered electron. V. B. Fiks. Fiz. tver. tela 5 no. 8 2213-2218 Ag '63.

ELECTRONS—SPECTRA

Effect of collisions on the excitation spectrum of a system of electrons [with summary in English]. Iu. IA. Poliak, V. M. Eleonskii. Zhur. eksp. i teor. fiz. 45 no. 2:159-163 Ag '63.

Electron spectrograph for the EG-100A electron diffraction camera. Iu. M. Kushnir and others. Izv. AN SSSR. Ser. fiz. 27 no. 9:1196-1198 S '63.

ELECTRO-OSMOSIS

Compaction of waterlogged clayey soil by loading combined with the brief effect of an electric current. N. S. Komarov. Sbor. trud. LIIZHT no. 196:35-39 '62.

Electric drainage in cutting a deep pit. E. V. Stepanova [Trudy] NII osn. no. 50:54-52 '62.

Electroosmosis in sand. B. P. Gorbunov, L. I. Kurdankov [Trudy] NII osn. no. 50:20-27 '62.

Electroosmosis in soil mixtures with varying content of clay particles. Iu. N. Litov, M. M. Kaliuzhniuk. Sbor. trud. LIIZHT no. 196:95-98 '62.

Electroosmotic method of accelerating the sinking of piles and restoring their bearing capacity. B. A. Nikolaev. Sbor. trud. LIIZHT no. 196:40-54 '62.

Study of the physicochemical processes arising in connection with electroosmotic drainage of clayey soil. G. N. Zhinkin. [Trudy] NII osn. no. 50:28-37 '62.

ELECTROPHORESIS

Cystéine in the treatment of cataracts [with summary in English]. Z. V. Sviatukhina. Vch. zap. GNII glaz. bol. no. 8:96-100 '63

Determination of the charge of complexions by paper electrophoresis. B. I. Nabivanets, L. N. Kudritskaia. Ukr. khim. zhur. 29 no. 6 586-589 '63.

Electrophoretic fractionation of snake venom on agar gel. IA. Davlatov. Uzb. biol. zhur. 7 no. 3 15-19 '63.

Letter to the editor. A. P. Farfenov. Vop. kur. fiziolet. i lech. fiz. kul't. 28 no. 2 176 Mr-Ap '63.

Method of conservative treatment in senile cataract [with summary in English]. E. V. Aleksandrovich. Vch. zap. GNII glaz. bol. no. 8:107-108 '63

ELECTROPHYSIOLOGY

Action of the alkaloids vincamine and ervamin on the bioelectric activity of the cerebral cortex and heart of dogs of different ages. A. G. Kurmukov, M. B. Sultanov. Farmakol. no. 1 94-104 '62

Induced potentials in the cerebral cortex of hibernating animals. M. B. Shtark, V. P. Danilyuk. Dokl. AN SSSR 151 no. 3 740-743 Jl '63.

Induced potentials of the optic chiasm in rabbits during stimulation of the eye with a single light flash [with summary in English]. T. G. Beteleva. Zhur. vys. nerv. deiat. 13 no. 2 291-300 Mr-Ap '63.

Simple rapid method for chronic implantation of electrodes into small laboratory animals. N. V. Dmitrieva. Zhur. vys. nerv. deiat. 13 no. 2 373-374 Mr-Ap '63

ELECTROPHYSIOLOGY OF PLANTS

Alternation of local and spreading stimulations in the rhythmic activity of a plant cell [with summary in English]. A. M. Simukhin, L. A. Tsareva. Izv. TSKHA no. 3:83-93 '63.

Dynamics of the electric activity of plants during the day under the conditions of functional strain. A. D. Semenenko, M. A. Khvedelidze, Al. D. Semenenko. Dokl. AN SSSR 151 no. 5 1215-1218 Ag '63.

ELECTROPLATING

Effect of electrolytic processes on the nature of the change in current components and potential. P. I. Kryzhanovskii. Sbor. nauch. trud. KGRI no. 7 331-340 '59.

Polarization in electrodeposition of nickel with alternating current. P. I. Kryzhanovskii. Sbor. nauch. trud KGRI no. 7:341-348 '59.

ELECTROSTAL'—TESTING LABORATORIES

Laboratory of the Electrostal' Plant of the heavy machinery manufacture striving for the title of the communist labor team. V. I. Skripchenko. Zav. lab. 29 no. 8:1017-1018 '64.

ELECTROSTATIC SEPARATORS

Testing electrofilters for the purification of liquid titanium tetrachloride from solid particles in suspension. S. P. Zezianov. Titan i ego splavy no. 9:147-148 '63.

ELECTROSTATICS

Fitgang, E. V. [Electrostatics. Direct current; lectures in physics] Elektrostatika. Postoiannyi elektricheskii tok, lektsii po fizike. Moskva, Mosk. poligraficheskii in-t, 1961. 100 p.

ELECTROTHERAPEUTICS

Effect of a galvanic current on the inflammation focus, experimental examination. N. A. Kaplun and others. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:417-420 S-O '62.

Method of induction thermophoresis. I. M. Kaliko, I. G. Burnashov. Vop. kur. fizioter. i lech. fiz. kul't. 28 no. 2:175-176 Mr-Ap '63.

ELEMENTARY EDUCATION see Education, Elementary

ELEPHANTS, FOSSIL see subdivision under Kazakhstan

ELIZAROV, MARK TIMOFEEVICH, 1863-1910

Mark Timofeevich Elizarov, a friend and associate of V. I. Lenin. P. P. Elizarov. Vop. ist. KPSS 7 no. 9 71-73 S '63

ELM, FOSSIL see subdivision under Kochkorka Valley

EMBANKMENTS

Use of glass-reinforced plastics as ground protection layer in the building of embankments. N. Viazemskaia, V. Zubkov. Rech. transp. 22 no. 7:51 Jl '63.

EMBEZZLEMENT

Dissipaters. A. Romashov. Ogonek 41 no. 29:30-31 Jl '63.

EMBROIDERY—STUDY AND TEACHING

Teaching children to embroider. N. Oleksandrenko. Doshk. vykh. 24 no. 6:22-23 Je '63

EMBRYOLOGY—AMPHIBIA

Electron microscopic study of the surface sections of the oocytes of Rana temporaria [with summary in English]. I. B. Tokin, N. S. Gabaeva. Vest. LGU 18 no. 15 158-160 '63.

EMBRYOLOGY (BOTANY) see Botany—Embryology

EMBRYOLOGY, HUMAN

Capital work on the structure of the peripheral nervous system in the embryogeny of man. M. F. Nikitsenka. Vestsi AN BSSR Ser. biial. nav. no. 1 132-136 '63.

EMINENT DOMAIN

Legal regulation of the compulsory acquisition of landed property for public and communal purposes. N. A. Syrodoev. Izv. vys. uchob. zav., prav. 7 no. 2:83-93 '63.

EMPLOYEES, DISMISSAL OF

Answering our readers' questions. Sov. iust. no. 9:30 My '63.

Follow up of our materials. Sots. trud 8 no. 6, 137-138 Je '63.

Letters from the editor. Sov. profsoiuzy 19 no. 11:17 Jl '63.

Survey of labor legislation. Sots. trud 8 no. 6:151-155 Je '63.

We have intensified our struggle against the unfounded dismissal of workers. A. Zila-zade, V. Melkumian. Sots. zakon 40 no. 6 55 Je '63

We should amend the parts "d" and "zh" of Article 47 of the labor code of the R.S.F.S.R. A. Lagovskii. Sov. iust. no. 11:25 Jl '63.

EMPLOYEES, REINSTATEMENT OF

Replies to our readers. Sov. profsoiuzy 19 no. 13:17 Jl '63.

EMPLOYEES, TRAINING OF

Foreman, Volodka, and the "Jack" T. Kostina. Mol. kommunist no. 7, 87-92 Jl '63.

EMPLOYEES, TRANSFER OF

Temporary transfer to another post. A. IArkho. Sots. zakon 40 no. 6, 87-89 Je '63

EMPLOYEES' INVENTIONS see Inventions, Employees'

EMPLOYEES' VACATIONS see Vacations, Employee

EMPLOYERS' LIABILITY

Some problems relating to liability for work injuries. N. Koninev. Sots. zakon 40 no. 6 24-27 Je '63

EMULSIFYING AGENTS

Role of emulsifying agents in the oxidation of isopropylbenzene and 1,1-diphenylmethane. S. D. Kazimin, R. V. Kucher. Neftekhimiia 3 no. 3 471-475 My-Je '63

EMULSIONS

Determining the place of the formation of the stable oil emulsion in production wells. S. A. Lebedev, V. A. Priazhevskii, S. G. IAkhin. Neftepromyslovo delo no. 3:30-32 '63

Studying the conditions causing phase transition in some emulsions. E. G. Anisimova, S. I. Shur, A. A. Shmidt. Masl.-zhir. prom. 29 no. 7:18-21 Jl '63.

EMULSIONS—ANALYSIS

Method of analysis of soluble oil emulsions by titration in nonaqueous solvents. D. V. Faerman. Khim. i tekh. topl. i masel 8 no. 8:51-56 Ag '63.

EMULSIONS, PHOTOGRAPHIC see Photographic emulsions

ENCEPHALITIS

(see also subdivision under Katon-Karagay District)

Comatose form of acute hemorrhagic meningo-encephalitis with a favorable result. A. M. Ratnev, A. N. Smirnov. Kaz. med. zhur. no. 3 91-94 My-Je '63

Erroneous diagnosis of the inflammatory process in vascular lesions of the brain. V. K. Skobnikova. Trudy 1-go MMI 21:491-501 '63.

Viral encephalitis with the clinical aspects of somnambulism. A. A. Kozlovskii. Vrach. delo no. 8:138-139 Ag '63.

ENCEPHALOGRAPHY

Diagnostic significance of rheoencephalography in cerebral atherosclerosis with mental disorders. I. S. Romanova, M. A. Ronkin. Trudy 1-go MMI 21:302-307 '63.

ENCYCLOPEDIAS AND DICTIONARIES, LITHUANIAN

[Lithuanian encyclopedia] Lietuviu enciklopedija [Boston] Lietuviu enciklopedijos leidykla. [In Lithuanian]
Vol. 29. Stoss — Sirdietes. [1963] 544 p.

ENCYCLOPEDIAS AND DICTIONARIES, UKRAINIAN

Onats'kyi, IEvhen. [Little Ukrainian Encyclopedia] Ukrains'ka mala entsyklopediia. Buenos Aires, Nakladom administratsiy UAPTs v Argentini.
Vol. 10 Ol - Per. 1962.

ENDOCARDITIS

Clinical aspects and diagnosis of bacterial endocarditis complicating congenital heart defects [with summary in English]. L. G. Belova, V. I. Frantsev. Sov. med. 27 no. 7:11-15 Jl '63.

ENDOSCOPY

Photolaparoscopy [with summary in English]. A. S. Loginov. Terap. arkh. 35 no. 1:34-37 Ja '63.

ENGELS, FRILDRICH, 1820-1895—BIBLIOGRAPHY see Bibliography—Engels, Friedrich, 1820-1895

ENGINEERING—BIBLIOGRAPHY see Bibliography—Engineering

ENGINEERING GEOLOGY see subdivision under Baku Bay, Moscow

ENGINEERING GEOLOGY—TERMINOLOGY

Good beginning in the definition of terms in hydro- and engineering geology. P. F. Shvetsov. Sov. geol. 6 no. 8 159-159 Ag '63.

ENGINEERING LABORATORIES see subdivision under Gomel'

ENGINEERING RESEARCH—BIBLIOGRAPHY see Bibliography—Engineering research

ENGINEERING STANDARDS see Standards, Engineering

ENGINEERS

Honor of an engineer is a public matter. N. Fionov. NTO 5 no. 6 19-20 Je '63.

ENGLAND see Great Britain

ENGLISH CHANNEL—FISHERIES

Fishing in the English Channel. L. Zarovskii, V. Laufer. Ryb. khoz. 39 no. 8 39-41 '63.

ENGLISH LANGUAGE

What an English language textbook for the fifth grade should be like. A. N. Liss. Inostr. iaz. v shkole no. 3;121-122 My-Je '63.

ENGLISH LANGUAGE—AUDIO-VISUAL AIDS

Do you have a "flannelgraph?" V. K. Solodova. Inostr. iaz. v shkole no. 3,111-113 My-Je '63.

ENGLISH LANGUAGE—GRAMMAR

Development of the past-tense extended form in Old English. E. K. IAdvirshis. Uch. zap. TGPI 20 no. 2 77-92 '62.

Grammatical meaning of the subjunctive past tense form in modern English. R. K. Orekhva. Uch. zap. TGPI 20 no. 2 68-76 '62.

ENGLISH LANGUAGE—GRAMMAR, COMPARATIVE—UZBEK

Expression of the personal forms of the English passive in the Uzbek language. Kh. Khaidarov. Nauch. rab. i soob. Otd. obshchestv. nauk AN Uz. SSR 5;318-339 '62.

ENGLISH LANGUAGE—ORTHOGRAPHY

Pumpianskii, A. L. [The English literary language, interrelation of pronunciation and spelling] Angliiskii literaturnyi iazyk, sviaz' proiznosheniia i pravopisaniia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 151 p.

ENGLISH LANGUAGE—PRONUNCIATION

Pumpianskii, A. L. [The English literary language, interrelation of pronunciation and spelling] Angliiskii literaturnyi iazyk; sviaz' proiznosheniia i pravopisaniia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 151 p.

ENGLISH LANGUAGE—SPOKEN ENGLISH

Oral drill exercises. A. V. Greiser. Inostr. iaz. v shkole no. 3;81-84 My-Je '63.

ENGLISH LANGUAGE—STUDY AND TEACHING

How I work in the fifth grade. V. I. Korovin. Inostr. iaz. v shkole no. 3;56-63 My-Je '63.

Means of semanticizing the words of a foreign language. E. I. Isenina. Inostr. iaz. v shkole no 3;51-54 My-Je '63.

Teaching students to read in a foreign language. Z. M. TSvietkova. Rad. shk. 42 no. 7;83-86 Jl '63.

Teaching the English language in the first grade. D. I. Kogan. Inostr. iaz. v shkole no. 3;114-115 My-Je '63.

A visit to London. Z. V. Zarubina. Inostr. iaz. v shkole no. 3,101-105 My-Je '63.

ENGLISH LANGUAGE—STYLE

Grammatical meaning of the subjunctive past tense form in modern English. R. K. Orekhva. Uch. zap. TGPI 20 no. 2 68-76 '62.

ENGLISH LANGUAGE—TENSE

Perfect future and its use in modern English. O. A. Osipova. Uch. zap. TGPI 20 no. 2,62-67 '62.

ENGRAVING MACHINES

Engraving device. IU. I. Gol'dberg. Mashinostroitel' no. 7;23 Jl '63.

ENOLS

Synthesis and the character of enolization of some β-diketones of the perhydroindan series. V. F. Kucherov and others. Izv. AN SSSR, Ser. khim. no. 8;1428-1436 Ag '63.

ENSILAGE

Raising calves on rations with an increased content of silage. I. G. Gumeniuk, A. N. Miroshnikov, M. P. Postnikov. Vest. sel'khoz. nauki 8 no. 4;58-62 Ap '63.

ENTOMOLOGY—EQUIPMENT AND SUPPLIES

Microsurgical instruments and appliances [with summary in English]. A. B. Lange. Zool. zhur. 42 no. 8,1257-1260 '63.

Technique of the microsurgery of insects [with summary in English]. N. A. Tamarina. Zool. zhur. 42 no. 8;1260-1264 '63.

ENZYMES

Acquainting the fifth graders with enzymes. V. G. Rozhkova. Biol. v shkole no. 4 67-69 Jl-Ag '63.

Analogs of enzymes of carbohydrate metabolism. Report No. 3; Synthesis of 4-thiouridine diphosphate glucose. N. K. Kochetkov and others. Izv. AN SSSR, Ser. khim. no. 9;1592-1600 S '63.

Importance of determining the activity of transaminases, aldolase, phosphatase, and the heterohemagglutination reaction in some forms of Botkin's disease. Sh. S. Khalfen, N. B. Tagieva, A. G. Vinogradova. Sov. med. 27 no. 7 102-105 Jl '63.

Lycolytic enzymes of wheat germ and their fractionation. N. I. Proskuriakov, L. P. Loseva. Nauch. dokl. vys. shkoly, biol. nauki no. 3;157-162 '63.

Role of the inhibition of enzymes by reaction products in an open system. G. D. Dechev, L. N. Moiseeva, A. G. Pasynskii. Dokl. AN SSSR 151 no. 3;725-728 Jl '63.

EOSINOPHILIC GRANULOMA

Eosinophilic granuloma of the stomach. P. S. Gurevich, M. L. Genkin, N. K. Zemskov. Kaz. med. zhur. no. 3 77-78 My-Je '63.

EPIC LITERATURE, SLOVAK

Bogatyrev, P. G. [Slovak epic stories and epic lyrics; the "Brigand cycle"] Slovatskie epicheskie rasskazy i liro-epicheskie pesni; "Zboinitskii tsikl." Moskva, Izd-vo Akad. nauk SSSR, 1962. 191 p.

EPIC POETRY, KALMYK

Elista. Kalmytskii nauchno-issledovatel'skii institut iazyka, literatury i istorii. [The "Dzhangar" epic, materials devoted to the 500th anniversary of the Kalmyk national epic] O Dzhangare, sbornik materialov, posviashchennykh piatisotletiiu Kalmytskogo narodnogo eposa. Elista, Kalmytskoe gos. izd-vo, 1963. 111 p.

EPIDEMIC HEPATITIS see Hepatitis, Infectious

EPIDOTE see subdivision under Caucasus, Northern

EPILEPSY

Epileptic seizures in patients with intra- and extracerebral tumors of supratentorial localization [with summary in English]. A. P. Korol'. Vrach. delo no. 8 63-66 Ag '63.

EPILEPTICS—CARE AND TREATMENT

Fundamental principles of treating epileptics. A. I. Boldyrev, Fel'd. i akush. 28 no. 2;20-27 F '63.

EPOXY COMPOUNDS

Use of epoxide adhesives in gluing porcelain. I. V. Dvoinikov. Elek. sta. 34 no. 6 83-84 Je '63.

EPOXY RESINS

Effect of some plasticizers on the adhesion, aging, and chemical stability of films from epoxide compounds. I. Z. Chernin, I. P. Losev, O. IA. Fedotova. Lakokrasmat. i ikh prim. no. 3 26-27 '63.

Epoxy resins in construction. IU. K. Gerasimov. Transp. stroi. 13 no. 6 72-73 Je '63.

Gluing concrete and reinforced-concrete elements with epoxy resins. R. I. Bergen. Transp. stroi. 13 no. 7 60-61 Jl '63.

Labor protection during work with epoxy resins. T. N. Novikov. Biul. tekh.-ekon. inform. Tekh. upr. Min. morflota 7 no. 11 53-57 '62.

Use of epoxy resins in the repair of diesel locomotives. A. F. Generalov. Elek. i tepl. tiaga no. 8,6-7 Ag '63.

EQUATION OF STATE

Calculating the thermodynamic properties of real gases at high temperatures. Equation of state for ammonia [with summary in English]. A. G. Tabachnikov. Inzh.-fiz. zhur. 6 no. 7;54-59 Jl '63.

Equation of the state of dichlorodifluoromethane (freon-12) [with summary in English]. G. I. TSofman. Inzh.-fiz. zhur. 6 no. 7;121-123 Jl '63.

EQUATIONS, LINEAR see Linear equations

EQUILIBRIUM (PHYSIOLOGY)

Magnus, Rudolf. [Equilibrium; an experimental physiological study of the individual reflexes governing equilibrium, of their correlations, and their disorders. Translated from the German] Ustanovka tela; eksperimental'no-fiziologicheskie issledovaniia otdel'nykh opredeliaiushchikh ustanovku tela refleksov, ikh vzaimnykh vliianii ikh rasstroistv. Pod red. E. Sh. Airapet'iantsa i B. A. Kisliakova. Leningrad, Izd-vo Akad. nauk SSSR, 1962. 624 p.
(NIC)

EQUIVALENT CIRCUITS

Method for uncoupling inductive couplings without changing the configuration and number of circuit elements. L. IA. Didel'man. Elektrosviaz' 17 no. 7;52-62 Jl '63.

Simplified method for determining the input impedances of equivalent circuits. N. A. Mel'nikov. Trudy tr. tekh. obshchestva 7 1-4 Jl '63.

ERIVAN—APARTMENT HOUSES

Summer full-scale observations of the microclimate of apartment houses in Erivan. IA. Isaakian. Promst. Ar. 5 no. 7 58-62 Jl '63.

ERIVAN REGION—METALS

Detection of amalgam and some native elements in sedimentary rocks of the Erivan region. I. G. Gasparian. Izv. AN Arm. SSR, Geol. i geog. nauki 16 no. 2;67-71 '63.

ERIVAN REGION—ORGANIC MATTER

Geochemical characteristics of the disseminated organic matter in rocks of Tertiary sediments in the Erivan region. A. N. Guseva, V. V. Patrazian. Izv. AN Arm. SSR Geol. i geog. nauki 16 no. 2 29-36 '63.

ERIVAN REGION—SALT DEPOSITS

Leaching of salts in Miocene sediments of the Erivan region. A. N. Nazarian. Izv. AN Arm. SSR, Geol. i geog. nauki 16 no. 2 37-48 '63.

ERMEKOV, AKYSH

A descendent of Marka-Kul shepherds. V. Gnuzhd. Prir. i zhizn' Kazakh. 33 no. 7;75-77 Jl '63.

ERMINE MOTHS—EXTERMINATION

The apple moth Hyponomeuta malinellus. A. I. Petrov. Zashch. rast. ot vred. i bol. 8 no. 7 52-54 Jl '63.

EROSION

Fighting erosion and mudflows. M. M. Aizenberg. Priroda 52 no. 8;125 Ag '63.

Ignatenok, F. V., A. F. Timofeev, and B. I. IAkovlev. [Agricultural land improvement; a textbook] Sel'skokhoziaistvennye melioratsii, uchebnoe posobie. Minsk, Gos. izd-vo sel'khoz. lit-ry, BSSR, 1963. 201 p.

Measuring the wind resistance of the soil surface of fields by an aerodynamic device. A. P. Bochkarov. Vest. sel'khoz. nauki (Kazakh.) 6 no. 5;79-87 My '63.

ERYSIMUM

Effect of some metabolites on somatic mutations in Erysimum cheiranthoides L. V. I. Ryzhkov. Dokl. AN SSSR 152 no. 1;205-207 S '63.

ERYTHEMA

Biological evaluation of ultraviolet solar radiation in a large city (erythemic effect). R. G. Amirkhanova. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2;139-142 Mi-Ap '63.

ERYTHROCYTES

Use of the method of adsorption on erythrocytes in the study of tumor viruses and specific tumor antigens. L. A. Ludogovskaia, L. V. Shershul'skaia. Vop. onk. 9 no. 2;118-126 '63.

ESCHERICHIA COLI

Alimentary toxinfection caused by Escherichia coli. V. N. Kotsarov, L. V. Khlopitskii. Voen.-med. zhur. no. 8;54-55 '62.

Compound therapy of chronic pontdysenteric colitis with the "regenerator" preparation and dried coli bacteria. A. V. Burmakin. Kaz. med. zhur. no. 3 40-43 My-Je '63.

Detection and survival of pathogenic serotypes of Escherichia coli in sewage and in soil. D. M. Babaev, N. N. Nadvornyi, IU. N. Chusov. Vrach. delo no. 8;133-134 Ag '63.

Study of the complete antigen of pathogenic and nonpathogenic strains of Bacillus coli [with summary in Engl.]. P. I. IA. Zakharova, S. V. Drobotko. Mikrobiol. zhur. 25 no. 4;22-28 '63.

ESOPHAGUS—CANCER

Unusual case of esophageal cancer combined with chronic myeloid leukemia [with summary in English]. T. G. Blastkina, V. L. Toluzakov. Vop. onk. 9 no. 2;101-104 '63.

ESOPHAGUS—FOREIGN BODIES

Prolonged retention of a foreign body in the esophagus. I. G. Klimniuk. Vest. otorin. no. 1;98-100 '63.

ESOPHAGUS—INNERVATION

Afferent innervation of the reptile esophagus. T. P. Menochkina. Nauch. dokl. vys. shkoly; biol. nauki no. 3;47-50 '63.

ESSAY

Bondar, IE. P. [Origin and development of the Ukrainian essay] Stanovlennia i rozvytok ukrains'koho radians'koho narysu. [Kyiv] Vyd-vo Kyivs'koho univ., 1962. 79 p.
(MH)

ESTERASES

Histochemical study of the activation of lipolytic enzymes in response to local cholesterol administration. V. I. Deribas. Dokl. AN SSSR 151 no. 3;691-693 Jl '63.

ESTERIFICATION

Synthesis of phosphorus-containing polyesters by the polycesterification reaction [with summary in English]. A. N. Pudovik, G. I. Evstaf'ev. Vysokom. soed. 5 no. 6 886-891 Je '63.

ESTERS

Heterochain polyesters. Part 12. Mixed polyarylates based on isomeric dihydroxynaphthalenes [with summary in English]. M. A. Iskenderov and others. Vysokom. soed. 5 no. 6 799-804 Je '63.

Heterochain polyesters. Part 13. Preparation of phosphorus-containing polyamide esters by interfacial polycondensation [with summary in English]. V. V. Korshak, S. V. Vinogradova, U Ban-juan' [Wu Pang-yuan] Vysokom. soed. 5 no. 7 969-975 Jl '63.

Polyesters of boric acid. V. V. Korshak and others. Izv. AN SSSR, Ser. khim. no. 8 1496-1502 Ag '63.

Reduction of carboxylic acid esters to aldehydes with sodium aluminum hydride. L. I. Zakharkin, V. V. Gavrilenko, D. N. Maslin. Izv. AN SSSR, Ser. khim. no. 8 1526 Ag '63.

Synthesis of esters of α-chloroacetoxy-β,β,β-trichloroethylphosphonic acid. K. V. Nikonorov, V. A. Nikonenko. Izv. AN SSSR, Ser. khim. no. 9 1662-1664 S '63.

Synthesis of polyesters with acetylenic bonds in their chain. A. M. Sladkov, V. V. Korshak, A. G. Makhsumov. Izv. AN SSSR Ser. khim. no. 7 1343-1345 Jl '63.

Thermal or pseudocatalytic rearrangements of allyl and propargyl esters of phosphorous acid. A. N. Pudovik, I. M. Aladzheva. Dokl. AN SSSR 151 no. 5 1110-1113 Ag '63.

ESTERS—ABSORPTION SPECTRA

Infrared spectra of esters in complexes with electron-acceptor metal halides. Part 1. Effect of α-substitution on the donor properties of the carbonyl group. D. N. Shigorin. Zhur. strukt. khim. 4 no. 4 548-551 Jl-Ag '63.

ESTONIA—ART INDUSTRIES

Kuma, Helene. [Applied arts and artists of Soviet Estonia] Prikladnoe iskusstvo Sovetskoi Estonii i ego mastera. Moskva, Iskusstvo, 1962. 202 p. (MH)

ESTONIA—COURTS

Talvik, E. [People's assessors in courts of the Estonian S S R] Rahvakaasistujad Eesti NSV kohtutes. Tallinn, Eesti Riiklik Kirjastus, 1962. 51 p. [In Estonian]

ESTONIA—DESCRIPTION AND TRAVEL

Isask, Albert. [Haanjamaa] Khaan'iamaa. Tallin, Estonskoe Gos. Izd-vo, 1962. 69 p. (MH)

ESTONIA—FORESTS AND FORESTRY

Traveling through the forests of Estonia. G. I. Raud, V. V. Smirnov. Les. khoz. 16 no. 5:73-75 My '63.

ESTONIA—MACHINERY INDUSTRY

Economic approach. A. TSvetikov. NTO 5 no. 6:14-15 Je '63.

ESTONIA—TECHNOLOGICAL INNOVATIONS

By the way of technological progress. Iu. Pozhidaev. Agitator no. 12:45-47 Je '63.

ESTONIA—WORLD WAR, 1939-1945

Larin, P. A. [Estonian Riflemen in the Great Patriotic War; the battle history of the Eighth Corps of Estonian Riflemen in the Soviet Army, 1941-1945] Eesti laskurkorpus suures isamaasojas, Noukogude armee 8. Eesti laskurkorpuse voitlustee, 1941-1945. Tallinn, Eesti Riiklik Kirjastus, 1962. 277 p. [In Estonian]

[MICROFILM]

ESTONIA—WORLD WAR, 1939-1945—COLLABORATIONISTS

Martinson, Ervin [Servants of the swastika] Slugi svastiki. Tallinn, Estonskoe gos. izd-vo, 1962. 292 p. (MH)

ESTRONE

Synthesis of $\Delta^{8(9),14}$-bisdehydro-D-homoestrone. V. E. Limanov, S. N. Ananchenko, I. V. Torgov. Izv. AN SSSR, Ser. khim. no. 7:1239-1243 Jl '63.

Synthesis of estrone derivatives based on 1-vinyl-1, 2, 3, 4-tetrahydro-1, 6-naphthalenedione. A. V. Zakharychev and others. Izv. AN SSSR, Ser. khim. no. 9:1701 S '63.

ETHANE

Role of emulsifying agents in the oxidation of isopropylbenzene and 1, 1-diphenylmethane. S. D. Kaz'min, R. V. Kuchel. Neftekhimiia 3 no. 3 371-375 My-Je '63.

ETHANETHIOL

Reduction in the protective effectiveness of cysteamine during repeated exposure to radiation. S. N. Aleksandrov, K. F. Galkovskaia. Dokl. AN SSSR 152 no. 1:215-217 S '63.

ETHANOL

Complex compounds of cobalt (II) with monoethanolamine. Part 1. V. V. Udovenko, V. N. Evreev. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2:179-182 '63.

Complex compounds of cobalt (II) with monoethanolamine. Part 2. V. V. Udovenko, V. N. Evreev. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2 183-188 '63.

Interaction of copper hydroxide and copper oxide with monoethanolamine, diethanolamine, and triethanolamine. M. V. Artemenko. Ukr. khim. zhur. 29 no. 6 571-576 '63.

ETHER

Di(ethoxyethyl)acetal of benzaldehyde and its reaction with vinyl ethyl ether. L. S. Povarov, B. M. Mikhailov. Izv. AN SSSR Ser. khim. no. 7:1342-1343 Jl '63.

ETHER (OF SPACE)

Rebirth of the ether ??? I. Sharov. Tekh. mol. 30 no. 11:5-8 '62

ETHICS

Drobnitskii, O. G. [Justification of immorality; critical studies on present-day bourgeois ethics] Opravdanie beznravstvennosti, kriticheskie ocherki o sovremennoi burzhuaznoi etike. Moskva, Gospolitizdat, 1963. 110 p.

ETHIOPIA—SOCIAL CONDITIONS

In the land of people scorched by the sun. Iu. Kornilov. Sov. profsoiuzy 19 no. 13:40-42 Jl '63.

ETHNIC TYPES see subdivision under Daghestan; Hungary; Siberia

ETHNOLOGY see subdivision under Latin America; Nigeria

ETHNOLOGY—BIBLIOGRAPHY see Bibliography—Ethnology

ETHNOLOGY—CONGRESSES

Session of the Permanent Council of the International Congresses of Anthropological and Ethnological Sciences. T. A. Trofimova, V. P. IAkimov. Vop. antr. no. 12 140-142 '62.

ETHYL ALCOHOL

Effect of solvent on the liquid phase oxidation of ethyl alcohol and methyl ethyl ketone. G. I. Zaikov. Neftekhimiia 3 no. 3 381-389 My-Je '63.

Investigation by the method of light absorption of the system $BaSO_4$ - C_2H_5OH - H_2O in the presence of cations of various valency. N. D. Podobed. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2 212-217 '63.

Resonance absorption of ultrasound in an acetic anhydride-ethyl alcohol mixture. B. B. Kudriavtsev, K. P. Nikonov. Zhur. fiz. khim. 37 no. 9:1887-1891 Ag '63.

ETHYLAMINE

Study on the protective action of cystamine on the cells of ascitic Ehrlich's carcinoma, irradiated in vivo and in vitro. I. V. Nekrasova. Dokl. AN SSSR 151 no. 1:217-219 Jl '63.

ETHYLENE

Addition of a mercury salt of 1, 1, 3, 3-tetranitrobutane to ethylene. V. A. Tartakovskii, I. A. Savost'ianova, S. S. Novikov. Izv. AN SSSR, Ser. khim. no. 7:1330-1331 Jl '63.

Constants of chain transfer in the reaction of ethylene telomerization with carbon tetrachloride. Sh. A. Karapetian, B. A. Englin, R. Kh. Freidlina. Izv. AN SSSR, Ser. khim. no. 7:1346-1348 Jl '63.

Equilibrium of complex-forming process between palladium chloride and ethylene in aqueous solutions. I. I. Moiseev, M. N. Vargaftik, IA. K. Syrkin. Dokl. AN SSSR 152 no. 1:147-150 S '63.

Interaction of ethylene with trihalomethanes containing chlorine and bromine. A. B. Beliavskii, V. N. Kost. Izv. AN SSSR, Ser. khim. no. 8:1514-1516 Ag '63.

Polymerization of vinyl chloride in the presence of Ziegler-type catalysts [with summary in English]. G. A. Razuvaev and others. Vysokom. soed. 5 no. 7:1030-1034 Jl '63.

Use of molecular sieves for an advanced stage of ethylene refining. M. B. Volf and others. Khim. i tekh. topl. i masel 8 no. 8:23-30 Ag '63.

ETHYLENE COMPOUNDS

Dimerization of cyclic ethylene acetal of crotonaldehyde. S. S. IUfit, V. F. Kucherov. Izv. AN SSSR, Ser. khim. no. 9:1695-1696 S '63.

"Thiolation" reactions of ethylene derivatives. E. N. Prilezhaeva, M. F. Shostakovskii. Usp. khim. 32 no. 8:897-947 Ag '63.

ETHYLENE GLYCOL

Anion exchangers based on the copolymers of glycidyl methacrylate and dimethacrylic esters of ethylene glycol [with summary in English]. P. G. Ioanisiani, B. N. Laskorin, N. L. Alekseeva. Vysokom. soed. 5 no. 8:1213-1218 Ag '63.

Synthesis and study of copolymers of 2-methyl-5-vinylpyridine with mon-, di-, and triethylene glycol dimethacrylates. A. B. Davankov, L. B. Zubakova, N. M. Petrova. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2:294-298 '63.

ETHYLENE OXIDE

Study of the reaction of methyl isothiocyanate with ethylene oxide by the proton magnetic resonance method. G. A. Razuvaev and others. Izv. AN SSSR, Ser. khim. no. 8:1518-1521 Ag '63.

ETHYLENE POLYMERS

Effect of phase transitions on the mechanical properties of crystalline polymers [with summary in English] G. L. Slonimskii, V. A. Ershova. Vysokom. soed. 5 no. 6 831-833 Je '63.

Ethylene polymers obtained with the aid of mixtures of organocadmium compounds with titanium tetrachloride [with summary in English]. K. A. Kocheshkov and others. Vysokom. soed. 5 no. 6:846-849 Je '63.

Initiation of low temperature polymerization of vinyl chloride by triethylaluminum aided by the catalytic action of oxygen. G. A. Razuvaev and others. Dokl. AN SSSR 151 no. 1 110-113 Jl '63.

Polyethylene glycols and their derivatives [with summary in English]. T. M. Moshkina, A. N. Pudovik. Vysokom. soed. 5 no. 7 1106-1110 Jl '63.

Structural and mechanical properties of concentrated solutions and gels of polyethylene, polyvinyl chloride, and perchlorovinyl [with summary in English]. K. S. Akhmedov, I. N. Shpilevskaia. Vysokom. soed. 5 no. 6: 914-920 Je '63.

ETHYLENEDIAMINE

Derivatives of benzofuran. Report No. 10. Synthesis of some N-alkyl-N-(3-methylbenzofuranyl)-N'-dialkyl ethylenediamines. A. L. Mndzhoian and others. Izv. AN Arm. SSR Khim. nauki 16 no. 4 407-415 '63.

EUDIOMETER

Supply mines with devices for mine atmosphere control. G. I. Kapelishnikov. Bezop. truda v prom. 7 no. 7: 30 Jl '63.

EUROPE—ECONOMIC INTEGRATION

The European tangle of imperialist contradictions. S. Madzoevskii, D. Mol'nikov, N. Molchanov. Mir. ekon. i mezhdunar. otn. no. 8 73-81 '63.

EUROPE—GAS

Sidorenko, M. V. [Utilization of gas in Europe; technical and economic survey] Ispol'zovanie gaza v Evrope, tekhniko-ekonomicheskii obzor. Moskva, Gostoptekhizdat, 1963. 110 p.

EUROPE—GEOLOGY, STRUCTURAL—MAPS

Basic structural elements of the earth's crust; in connection with the discussion of legend plan for the second edition of the International Tectonic Map of Europe made on a 1:2,500,000 scale. A. A. Bogdanov, M. V. Muratov, V. E. Khain. Biul. MOIP, Otd. geol. 38 no. 3 3-32 My-Je '63.

EUROPE, EASTERN—FINANCE

Financial planning in the industry of the members of the Mutual Economic Assistance Council. L. Guzhkov, N. Mosal'skaia, S. Riumin. Fin. SSSR 37 no. 8 30-37 Ag '63.

EUROPE, EASTERN—GOVERNMENT OWNERSHIP

Socialization of the means of production in the European people's democracies [with summary in English, p. 222]. I. P. Oleinik. Vop. ist. 38 no. 8:98-100 Ag '63.

EUROPE, EASTERN—HISTORY

Grekov, I. B. [Studies on the history of the international relations of Eastern Europe in the 14th-16th centuries] Ocherki po istorii mezhdunarodnykh otnoshenii Vostochnoi Evropy XIV-XVI vv. Moskva, Izd-vo vostochnoi lit-ry, 1963. 373 p.

EUROPE, EASTERN—LAW—BIBLIOGRAPHY

Classified index of articles on legal problems published in the first half of 1962 in the periodicals of the European's democracies. Izv. vys. ucheb. zav.; prav. 7 no. 2:102-205 '63.

EUROPE, EASTERN—LITERATURE

Problems of literary contacts among the Slavic peoples. I. M. Porochkina. Vest. LGU 18 no. 14:130-140 '63.

EUROPE, EASTERN—POLITICS

Barabashev, S. V., and others. [Public participation in state administration in the European people's democracies] Uchastie obshchestvennosti v upravlenii gosudarstvom v evropeiskikh stranakh narodnoi demokratii. Moskva, Gosiurizdat, 1963. 125 p.

EUROPE, WESTERN—COMMUNIST PARTIES

Moscow. Gosudarstvennyi pedagogicheskii institut inostrannykh iazykov. [Collection of academic works; studies dedicated to the problems of the communist and workers' movement and international relations] Sbornik nauchnykh trudov; statʹi, posviashchennye voprosam kommunisticheskogo i rabochego dvizheniia i mezhdunarodnym otnosheniiam. Moskva, 1963. 179 p.

EUROPE, WESTERN—ELECTRIC POWER

Consumption of electric power by various industries in Western Europe in 1960. IA. E. Volʹfkovich. Prom. energ. 18 no. 7:36 Jl '63.

EUROPE, WESTERN—LIBRARIES

In libraries of Western Europe, introduction. I. V. Gudovshchikova. Bibliotekoved. i bibl. za rub. no. 11: 109-114 '63.

EUROPE, WESTERN—LIBRARIES, SPECIAL

Special libraries. I. V. Gudovshchikova. Bibliotekoved. i bibl. za rub. no. 11 127-140 '63.

EUROPE, WESTERN—LIBRARIES, UNIVERSITY AND COLLEGE

Libraries in institutions of higher learning. V. A. Artisevich. Bibliotekoved. i bibl. za rub. no. 11 115-126 '63.

EUROPE, WESTERN—NURSES AND NURSING

Organization of nurses' work in well-developed capitalistic countries (U. S. A., England, France, German Federal Republic). V. I. Berezner, V. I. Mishakov. Med. sestra 22 no. 6 49-53 Je '63.

EUROPEAN COMMON MARKET see European Economic Community

EUROPEAN CORN BORER—EXTERMINATION

Controlling the European corn borer. V. A. Konashevich, I. M. Tukalevskii. Zashch. rast. ot vred. i bol. 8 no. 5 16-17 My '63.

EUROPEAN ECONOMIC COMMUNITY

The European "Common Market" is a tool of monopolies in their struggle for the new partition of the world market. V. Selivanenko. Komm. Ukr. 38 no. 6 38-45 Je '63.

Isaev, N. I. [The "Common Market" is the base of NATO] "Obshchii rynok" - baza NATO; stenogramma vystupleniia na nauchno-teoreticheskoi konferentsii na temu "Obshchii rynok" - orudie monopolii." Moskva, Ob-vo po raspr. polit. i nauchn. znanii RSFSR, 1963 13 p.

Oil and the western blocs, economic notes. V. Rachkov. Nov. vrem. 21 no. 36, 26-27 S '63.

EUROPEAN ECONOMIC COMMUNITY COUNTRIES—COMMERCE—INDIA

India's Trade conflict with the West (with English summary in insert). A. Vladin. Az. i Afr. seg. no. 8 12-11 Ag '63.

EUROPEAN WAR, 1914-1918—DIPLOMATIC HISTORY

"Aggravation of conflicts among imperialist states on the eve of the First World War" by A. I. Zvavich. Reviewed by P. IA. Bukshpan. Vop. ist. 38 no. 8 140-141 Ag '63.

"Bourgeois historiography of the origin of the First World War and international relations in 1914-1917" by K. B. Vinogradov. Reviewed by N. I. Kopychev, B. B. Kross. Vop. ist. 38 no. 8:138-140 Ag '63.

EUROPIUM

Kinetics of oxidation-reduction reactions: $Eu^{III} - Eu^{II}$. L. P. Shul'gin, IU. A. Kozhinin. Zhur. fiz. khim. 37 no. 8:1857-1859 Ag '63.

EUROPIUM—ABSORPTION SPECTRA

Spectrophotometric determination of samarium and europium [with summary in English]. V. I. Ganopol'skii, T. A. Ganopol'skaia, F. V. Barkovskii. Zhur. anal. khim. 18 no. 6 729-733 Je '63.

EUROPIUM ISOTOPES—SPECTRA

Neutron-deficient Gd and Eu isotopes with mass numbers 145 and 147. G. M. Gorodinskii, V. N. Pokrovskii, E. I. Firsov. Uch. zap. Ped. inst. Gertsa. 197 176-179 '58.

EUSTACHIAN TUBE

Expertise regarding ear barofunction in flying school candidates. I. A. Golubchik. Voen.-med. zhur. no. 8, 63-64 '62.

EUTECTICS

Physicomechanical properties of explosive eutectic alloys. V. K. Bobolev, I. A. Karpukhin. Dokl. AN SSSR 151 no. 1:155-157 Jl '63.

EVAPORATING APPLIANCES

Separation of secondary steam in evaporation apparatus. IU. G. Popandopulo, M. G. Starkova. Khim. mashinostr. no. 4 17-19 Jl-Ag '63.

EVAPORATION

Device for automatic supply of the chemical forming a film on water surface for suppressing evaporation. V. M. Barsegian, V. N. Zhamagortsian. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 2/3:129-132 '63.

Device for automatically supplying the chemical forming a film on a water surface for suppressing evaporation. V. M. Barsegian, V. N. Zhamagortsian. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 2/3:129-132 '63.

Evaporation and temperature conditions of the air in corn fields. G. V. Belukhina. Trudy TSIP no. 131:30-41 '63.

Experimental investigation of the regularities of heat and mass exchange during the evaporation of solutions. T. M. Kuzina. Sbor. nauch. trud. IDI no. 10:38-52 pt. 2 '62.

Using Soviet-produced surface-active agents for reducing the evaporation from water surface in reservoirs. A. K. Ananian and others. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 2/3:117-128 '63.

EVENING AND CONTINUATION SCHOOLS

For district schools. A. Sh. Fatkhullin. Vech. sred. shkola 6 no. 3 75-76 My-Je '63.

Let's study, workingman! I. M. Shamovskaia. Vech. sred. shkola 6 no. 3 25-30 My-Je '63.

Problems of adult education. N. N. Balov. Vech. sred. shkola 6 no. 3 7-11 My-Je '63.

Scientific and technological progress and evening schools. M. E. Suchkov. Vech. sred. shkola 6 no. 3 3-6 My-Je '63.

Talking about urgent problems. N. D. Alekseeva. Vech. sred. shkola 6 no. 3 21-25 My-Je '63.

Using the experience of evening school students in the educational process. D. V. Vil'keev. Sov. pedag. 27 no. 6 84-89 Je '63.

EVENING AND CONTINUATION SCHOOLS—TEACHER TRAINING

Contribution of a pedagogical institute to evening schools. V. F. Antonov. Vech. sred. shkola 6 no. 3 30-32 My-Je '63.

EVERGREENS see subdivision under Mlynany

EVICTION

Answering our readers' questions. Sov. iust. no. 12:30 Je '63.

Decision No. 5 of the plenary session of the Supreme Court of the U. S. S. R. of March 18, 1963 on "Judicial practice in the implementation of Article 62 of the 'Basic Principles of the Civil Law of the U. S. S. R. and the Union Republics.'" Biul. Verkh. Suda no. 3 16-19 '63.

Decisions of the plenary session of the Supreme Court of the U. S. S. R. Sov. iust. no. 9:26-29 My '63.

In the house of her mother-in-law. K. Nikitin. Sov. iust. no. 9:24-25 My '63.

EVIDENCE (LAW)

Current problems in the theory of trial evidence. Vop. krim. no. 6/7:290-293 '62.

Examination of real evidence and the place of crime in the course of a trial. M. Vydria. Sov. iust. no. 14 9-10 Jl '63.

EVIDENCE, CRIMINAL

Criminal expertise and the objectives of crime prevention. V. Estiukov, R. Lantsman. Sots. zakon. 40 no. 6 40-42 Je '63.

How criminal investigators and courts evaluate the findings of experts. L. L. Petiukhin. Vop. krim. no. 6/7 98-117 '62.

How to obtain specimens for a comparative examination. D. Rasseikin. Sots. zakon. 40 no. 6 42-43 Je '63.

EVIDENCE, DOCUMENTARY

Documents as a source of evidence. V. IA. Chekanov. Izv. vys. ucheb. zav., prav. 7 no. 2:121-128 '63.

EVIDENCE, EXPERT

Criteria and forms for using the specialized skill of experts for the establishment of trial evidence during criminal investigation. A. A. Eisman. Vop. krim. no. 6/7 33-46 '62.

A new book on forensic expertise. V. Kolotenko, V. Nikolaichik. Sots. zakon. 10 no. 6 95-96 Je '63.

Rights, duties, and role of experts in criminal investigation and judicial examination. L. E. Arotsker. Vop. krim. no. 6/7, 48-54 '62.

EVIDENCE, REAL

Discovering the traces of metallization on the objects of real evidence. V. S. Sorokin. Vop. krim. no. 6/7 223-229 '62.

EVOLUTION

Charles Darwin on the origin of consciousness and the evolutional forms of the reflection of living nature. P. Zabotin. Nauch. trudy TashGU no. 207 167-178 '62.

Evolutionary principle in the study of general rules of the structural organization of the central nervous system [with summary in English]. V. I. Pilipenko. Zhur. vys. nerv. deiat. 13 no. 2:338-351 Mr-Ap '63.

Fiftieth anniversary of A. N. Severtsov's "Essays on the theory of evolution" [with summary in English]. B. S. Matveev. Zool. zhur. 42 no. 8:1129-1134 '63.

EXCAVATING MACHINERY

Cable-driven scraper unit for regulating water collectors. A. Nikolaev. Tekh. v sel'khoz. 23 no. 5 33-37 My '63.

Determining the shape of the longitudinal profile and rear cutting angle of buckets for rotary excavators. V. M. Vladimirov. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:80-85 '62.

Methodology of designing the intake part of a caving excavator. I. P. Nikonova. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:64-69 '62.

Selection of some parameters for the working part of a caving excavator. E. G. Chaikovskii, V. K. Trofimov. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:53-63 '62.

Sling-type excavator. A. Main. Izobr. i rats. no. 7:32-33 '63.

Some data on the operation of single-bucket excavators in stone and ore pits. D. V. Murikov. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:110-145 '62.

Study of the process of scooping up bulk loads with a bucket. D. V. Murikov. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:108-121 '62.

Study of various electric drive networks for the ESh-6/60 dragline excavator. V. I. IAkovlev and others. Elektrichestvo 7:31-39 Jl '63.

Taking the parameters of the working face into account in designing a rotary working part, using the spoil cutting method. A. R. Mattis. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:25-42 '62.

Using the unloading conditions in determining the basic parameters of the rotary working part of an excavator. V. M. Vladimirov. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:70-79 '62.

We carry out the finishing of the slopes of automobile roads with excavators. I. N. I. Spikin. Transportnoe [illegible] no. 6, 17-18 Je '64.

EXCAVATING MACHINERY—EQUIPMENT AND SUPPLIES

Interchangeable telescopic equipment for the E-652 excavator. G. V. Kvatia, V. M. Krasnova, G. V. Rukhlov. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:116-151 '62.

Some problems in designing telescopic equipment for single-bucket excavators. V. M. Krasnova. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:152-158 '62.

EXCAVATING MACHINERY—MODELS

Model study of the working process of a single-bucket loading part. G. K. Turbo. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:122-139 '62.

EXCAVATING MACHINERY—SAFETY MEASURES

Kosolapov, G. V. [Safety manual for operators of post-hole diggers] Pamiatka po tekhnike bezopasnosti dlia mashinistov avtoiamobilov. Moskva, Gosstroiizdat, 1963 13 p. (Tekhnika bezopasnosti v stroitel'stve)

EXCAVATING MACHINERY—TESTING

Experimental studies of a single-rotor working part of a caving excavator. A. R. Mattis. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:43-49 '62.

Wear of the working part of a chain and bucket excavator. A. M. Vaishavskii, IU. N. Dumovskii. Izv. vyss. ucheb. zav., gor. zhur. 6 no. 7:122-131 '63.

EXCAVATION

Leading excavator operator. A. A. Pashkevich. Transp. stroi. 13 no. 6, 45 Je '63.

When work goes well. Nikolai Shilov. Transp. stroi. 13 no. 7 43 Jl '63.

EXCITONS

Characteristics of the Zeeman and Stark effects on a Mott exciton. D. S. Bulliantsa. Fiz. tver. tela 5 no. 8 2376-2378 Ag '63.

Energy spectra of weakly coupled excitons. I. G. Zaslavskaia. Fiz. tver. tela 5 no. 7 1791-1796 Jl '63.

Exciton wave function and energy in a finite crystal. V. I. Sugakov. Fiz. tver. tela 5 no. 8:2207-2212 Ag '63.

EXECUTIONS (LAW)

A controversial question in the execution of judicial decisions. O. Krozkin. Sots. zakon. 40 no. 6:50 Je '63.

EXERCISE THERAPY

Case of complete restoration of functions in poliomyelitis. F. G. Ianitskii. Vop. kur. fizioter. i lech. fiz. kul't. 28 no. 2:171-173 Mr-Ap '63.

Exercise therapy for patients with spastic paraplegias and paraparesses of the lower extremities following the removal of a spinal cord tumor. V. S. Kulakova. Vrach. delo no. 6:142-143 Je '63.

Plenum of the All-Union Scientific Medical Society on Medical Control and Exercise Therapy. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 6:477 N-D '62.

Preventive and therapeutic exercises in the pathology of pregnancy. B. Kato. Ped., akush. i gin. 26 no. 2:6-64 '63.

Prophylaxis and treatment of contractures of the shoulder joint in an algetic syndrome by means of gymnastics. P. N. Gershkovich, A. D. Tregubovich. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:164-169 Mr-Ap '63.

"Result of treatment and prophylaxis of deformities of the spine in children" by A. A. Pod'iapol'skaia, A. V. Uvarova. Reviewed by V. M. Postnikova. Vop. kur. fizioter. i lech. fiz. kul't. 28 no. 2:170 Mr-Ap '63.

Results of therapeutic gymnastics during the convalescent stage of acute nephritis. A. A. Leporskii. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:434-438 S-O '62.

Therapeutic gymnastics in lesions of the upper extremities following poliomyelitis. E. D. Ivanenkova. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2 159-163 Mr-Ap '63.

EXERCISE THERAPY—CONGRESSES

Fifth All-Russian Conference on Physical Training and Sports, Medical Control and Therapeutic Physical Culture. V. M. Matoshin. Zdrav. Ros. Feder. 7 no. 7:40-42 Jl '63.

EXHAUST SYSTEMS

Sevost'ianov, A. G. [Magnetic rollers and forces acting in exhaust devices] Magnitnye valiki i sily, deistvuiushchie v vytiazhnykh priborakh. Moskva, Gizlegprom, 1963, 98 p.

EXISTENCE THEOREMS

Existence theorem for a terminal control problem [with summary in English] L S Kirillova. Avtom. i telem 24 no. 9 1178-1182 S '63.

EXPANSION (HEAT)

Thermal expansion of AlSb, GaSb, ZnTe, and HgTe at low temperatures. S.I. Novikova, N. Kh Abrikosov. Fiz. tver. tela 5 no 8 2138-2140 Ag '63

EXPANSION OF SOLIDS

Device for determining the coefficient of linear expansion. A. V. Belozerov. Uch zap. Ped. inst. Gerts. 197:238-240 '58

EXPANSIVE CLASSIFICATION see Classification, Expansive

EXPERIMENTAL ONCOLOGY see Oncology, Experimental

EXPERT EVIDENCE see Evidence, Expert

EXPLOSIONS

Destruction shock wave in brittle media Kh. M. Aliev. Dokl AN SSSR 151 no 1 80-83 Jl '63

Scale factor and the effect of strength in directed explosions. V. M Kuznetsov, E. N Sher. PMTF no 3:84-90 My-Je '63.

Similarity of compression waves in underground explosions. B. G. Rutev. PMTF no 3:91-99 My-Je '63

Waves in the surface region of a half-space in the ground in contact explosions. V D. Alekseenko. PMTF no. 3:100-102 My-Je '63.

EXPLOSIVES

Physicomechanical properties of explosive eutectic alloys V. K. Bobolev, I. A. Karpukhin. Dokl. AN SSSR 151 no. 1 155-157 Jl '63.

"Zernogo anulit" instead of ammonites I S Mel'nikov Gor. zhur. no 8 72 Ag '63

EXPRESS HIGHWAYS see subdivision under Moscow region

EXPRESSIONISM (ART)

Expressionism is an art without a future. I. Kuptsov. Iskusstvo 26 no. 5 51-58 '63.

EXTRACTION (CHEMISTRY)

Ziolkowski, Zdislaw. [Liquid extraction in the chemical industry Translated from the Polish] Zhidkostnaia ekstraktsiia v khimicheskoi promyshlennosti. Pod red. P. G. Romankova Leningrad, Goskhimizdat, 1963. 478 p.

EXTRACTION APPARATUS

Conduction of chemisorption processes in countercurrent spray columns operating continuously (in the system liquid - liquid). T. G. Pavlenko and others. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:328-332 '63.

EXTREMITIES (ANATOMY)—DISEASES

Neurovascular diseases of the extremities as a result of cold. A. P. Tiukina. Fel'd. i akush. 28 no. 2:8-11 F '63.

EXTREMITIES (ANATOMY)—FRACTURES

Intraosseous osteosynthesis using a metal pin in the treatment of gunshot fractures of the long bones. B. A Dmitriev, A. E. Bezuglyi, M. G. Shul'man Voen.-med zhur. no. 8:72-73 '62.

"Problems of clinical and roentgenological diagnosis of closed fractures of tubular bones" by L. I. Shulutko, D. E. Gol'dshtein. Reviewed by A. I. Khakham. Vest. rent. i rad. 38 no. 2:87-88 Mr-Ap '63.

EXTREMITIES (ANATOMY)—WOUNDS AND INJURIES

Contusions of the extremities [with summary in English], E. M. Usol'tseva. Sov. med. 27 no. 7:34-38 Jl '63.

Treatment of patients with open injuries of the extremities. M. N. Farshatov. Voen.-med. zhur no 8:46-49 '62.

EXTREMITIES, LOWER

Method of determining the supporting capacity of the lower extremity. S. S. Gronzik. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:170-171 Mr-Ap '63.

EXTREMITIES, LOWER—ULCERS

Use of oxygen in local treatment of trophic ulcers of the lower extremities in case of varicose veins. S. I. Kal'nitskii, V. N. Fedash. Zdravookhranenie 6 no. 1:51-53 Ja-F '63.

EXTREMITIES, UPPER—DISEASES

Therapeutic gymnastics in lesions of the upper extremities following poliomyelitis. E. D. Ivanenkova. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:156-163 Mr-Ap '63.

EXTRUSION (METALS)

Extrusion of pipe of varying cross sections. M. F. Golovinov and others. TSvet. met. 36 no. 8:72-75 Ag '63.

Mechanical properties of aluminum and copper after extrusion by high pressure fluids B I. Beresnev, D K Bulychev Fiz. met i metalloved 16 no 1 117-123 Jl '63.

Pressure conditions in the extrusion of pipe with an arbitrary internal shape. M F. Zakharov, IU P. Glebov, M. Z. Ermanok Izv. vys. ucheb. zav., tsvet. met 6 no. 3:128-136 '63

EXTRUSION PROCESS

Extrusion of protective sheaths for thermocouples G V. Samsonov, P. S Kislyi, K R Vlasov. Ogneupory 28 no. 7 311-312 '63

EYE

Characteristics of the development of the brain in wild fowl as related to the development of the organ of vision [with summary in English]. N. A. Manuilova Zool zhur 42 no. 8, 1213-1222 '63.

EYE—ACCOMMODATION AND REFRACTION

Changes of ocular refraction after atropinization in flying school candidates. V. V. Smirnov, I. B. Konobritskii Voen.-med. zhur no. 8:65-66 '62

EYE—DISEASES AND DEFECTS see subdivision under Moldavia

EYE—SURGERY

Experimental study of the reaction of a rabbit's eye to the implantation in the anterior chamber of an artificial crystalline lens made of glass or plastic [with summary in English]. M. M. Krasnov, G. A. Petropavlovskaia, A. V. Khvatova. Uch. zap. GNII glaz. bol. no. 8:163-170 '63.

Late results of implantation in the eye of an artificial crystalline lens made of plastic [with summary in English]. F. I. Purshev. Uch. zap. GNII glaz. bol. no. 8: 171-172 '63.

Outcomes of cataract extractions according to data of the Helmholtz State Scientific Research Institute of Eye Diseases for 1950-1961 [with summary in English]. D. I. Mitkokh. Uch. zap GNII glaz. bol. no. 8:158-162 '63

Results of cataract extractions in students of schools for blind and weak-sighted children [with summary in English]. A. V Khvatova. Uch. zap. GNII glaz. bol. no. 8: 128-135 '63

Results of the operative treatment of congenital cataracts, I. P. Dmitrovskaia. Uch. zap. GNII glaz. bol. no. 8:139-142 '63.

EYE—SYPHILIS

Case of congenital syphilis with atypical changes in the fundus oculi [with summary in English]. D. I. Mitkokh. Uch. zap. GNII glaz. bol. no. 8:209-213 '63.

EYE—TENSION see Intraocular pressure

EYE—TUMORS

Contemporary state of radioisotope diagnosis of eye tumors S. M Dobrova, I P. Berezhnov Med rad 7 no 11 77-81 N '62.

Some conditions of transplantability and growth of human glial brain tumors into the anterior chamber of the rabbit eye [with summary in English]. L. IA. Iablonovskaia Vop. onk. 9 no 2 92-97 '63.

EYE—WOUNDS AND INJURIES

Contemporary methods of treating traumatic cataracts [with summary in English]. R. A. Gundorova and others. Uch. zap. GNII glaz. bol. no. 8:113-116 '63.

EYE, INSTRUMENTS AND APPARATUS FOR

New indicator of intraocular pressure and the results of its use [with summary in English]. A. IA. Bunin and others. Uch. zap. GNII glaz. bol. no. 8:186-193 '63.

EYELIDS—DISEASES

Ultraviolet therapy of hordeolum. V. A. Konstantinova. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 6:460-461 N-D '62.

EZEEV, ANDREI ANDREEVICH, 1895 (?) - 1962

Andrei Andreevich Ezeev; an obituary. Probl. tub. 41 no. 3:94 '63.

FABLES

Fot'ev, N. I. [Career of a chicken; fables and epigrams] Kurinaia kar'era; basni i epigrammy. Blagoveshchensk, Amurskoe knizhnoe izd-vo, 1962. 38 p. (MH)

FACE

Relationship between the nasomalar and zygomaxillary angles of the horizontal profile of the facial skeleton in some contemporary anthropological types. I. S. Guseva. Vop. antr. no. 12:31-54 '62.

FACE—TUMORS

Changes in the crystalline lens during radiotherapy of hemangiomata of the face [with summary in English]. L. S. Lutsker. Uch. zap. GNII glaz. bol. no. 8:71-79 '63.

FACTORIES—DESIGN AND CONSTRUCTION see subdivision under Moscow Province

FACTORIES—HEATING AND VENTILATION see subdivision under Armenia

FAIRY TALES

Personification of favorite fairy tales. A. IEgorova. Doshk. vykh. 24 no. 9:31-33 S '63.

FAKIRS see subdivision under India

FALLOWING see subdivision under Archangel Province

FAMILY

Family matters V. Razumnevich. Mol. komm no. 8, 70-75 Ag '63.

Notes of a wife and mother (conclusion) Nina Gorodinskaia Sem'ia i shkola 18 no 6 10-11 Je '63

FANS, ELECTRIC

Development of highly efficient ventilator models ORGRES operating according to a 0 68-161° system for electric power plants M I Nevel'son and others Prom. energ 18 no 7 8-9 Jl '63

FANS, MECHANICAL

Lenchevskii, IU. S. [Ventilation units with the fan speed controlled by a variable-speed belt drive] Ventiliatsionnye agregaty s reguliruemoi skorost'iu vrashcheniia ventiliatora pri pomoshchi remennogo variatora, informatsionno-izdatel'skii sektor Moskva, Akad. stroit. i arkhit. SSSR. Nauchno-issle. in-t sanitarnoi tekhniki, 1962. 12 p.

Study of the intake boxes of fans with wetting agents. F. G. Galimzianov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 7 181-186 '63.

FAOLITE

Use of wire reinforced faolite for the protection of chemical apparatus. Z. I. Levchenko, N. M. Dankova. Koks i khim. no. 10:49-50 '62.

FAR EAST—DESCRIPTION AND TRAVEL

Alfimov, IU. V. [Two steps from the equator] Do ekvatora dva shaga. Moskva, Izd-vo Znanie, 1963 63 p. (Prochti tovarishch)

FAR EAST, SOVIET see Soviet Far East

FARADAY EFFECT

Intervenal Faraday effect in germanium in a high magnetic field. L. I. Korovin, E. V. Kharitonov. Fiz. tver. tela 5 no. 7:2035-2038 Jl '63.

FARM BUILDINGS—DESIGN AND CONSTRUCTION

Planning and construction of rural housing. Inform. biul. VDNKH no. 5, 29-30 My '62.

FARM BUILDINGS—FIRES AND FIRE PREVENTION see subdivision under Altai Territory

FARM LIFE see subdivision under Smolensk Province

FARM MANAGEMENT

(see also subdivision under Smolensk Province)

Our university. Tekh mol 31 no. 9 21 '63.

Use of linear programming in planning agricultural production. E. A. Finn. Nauch. trudy UNIIMESKH 4:140 '62.

FARM MANAGEMENT RESEARCH see subdivision under Siberia

FARM MANURE

Effectiveness of simultaneous use of lime and farm manure in turf-Podzolic soils. M. M. Romanenkova. Trudy VIUA no. 38 127-139 '61.

FARM MECHANIZATION

(see also subdivision under Gomel' District; Latvia; Rostov Province; Ukraine; Uzbekistan; West Kazakhstan Territory)

Economic efficiency of the comprehensive mechanization of agriculture. S. Tolpekin. Ekon. sel'khoz. 34 no. 7, 35-47 Jl '63.

Important problems of agricultural mechanization. L. Korbut. Vop. ekon. no. 6:80-95 Ag '63.

Improving the supply of equipment and machinery in agriculture. M. Lomeshov. Ekon. sel'khoz. 34 no. 7: 8-17 Jl '63.

Problems in selling agricultural machinery to collective farms. A. Estrina. Vop. ekon. no. 9:98-102 S '63.

Theoretical premises for automating farm production. P. M. Vasilenko. Mekh. i elek. sots. sel'khoz. 21 no. 4: 16-19 '63.

Use of animal reflexes in systems of automatic regulation and control. P. I. Vagin. Mekh. i elek. sots. sel'khoz. 21 no. 4:27-29 '63.

FARM MECHANIZATION—PRODUCTION STANDARDS

Current problems in establishing norms for the mechanized field work in agriculture. Kh. Baram. Sots. trud 8 no. 6:105-112 Je '63.

FARM MECHANIZATION—STUDY AND TEACHING

(see also subdivision under Kirovograd Province)

Let's increase the publication of textbooks and visual aids. B. Omel'lanenko. Prof.-tekh. obr. 20 no. 6:32 Ag '63.

FARM PRODUCE—MARKETING

(see also subdivision under Kalach District)

Market prices within the collective farm. V. Morozov. Vop. ekon. no. 8:144-150 Ag '63.

FARMS—VALUATION

Conference participants speak. Plan. khoz. 40 no. 8: 68-71 Ag '63.

Evaluate the result objectively. I. Suslov. Plan. khoz. 40 no. 8:62-68 Ag '63.

FASCISM see subdivision under Australia, Latin America

FASHION

Dr ... fashionably! Rab. i sel'sk. 39 no. 6:18-19 Ag '63

FASTS AND FEASTS—ORTHODOX EASTERN CHURCH

The calendar of the Orthodox Eastern Church as seen by an atheist. Nauka i rel. 4 no. 7:89-90 Jl '63.

FAT METABOLISM

Feeding conditions and the storage of fatty substances in the animal organism. M. F. Merazhynskii. Vestsi AN BSSR, Ser. biial. nav. no. 1:47-52 '63.

FATHERS

Fathers of a family. G. Gurin. Sem. i shkola. 16 no. 6:20-21 Je '63.

FATIGUE

Pessimal contraction of muscle and fatigue. V. G. Tevzadze. Sbor. trud. Gruz. gos. inst. fiz. kul't. 5:317-320 '62.

FATTY ACIDS see Acids, Fatty

FEDERAL GOVERNMENT

"Bourgeois federalism" by G. V. Aleksandrenko, K. A. Morolev. Izv. vys. ucheb. zav., prav. 7 no. 2:165-168 '63.

FEDERATION OF RHODESIA AND NYASALAND see Rhodesia and Nyasaland

FEDOTOV, PAVEL ANDREEVICH, 1815-1852

Architectonics of a painting by P. A. Fedotov. E. Selizarova. Iskusstvo 26 no. 5:59-62 '63.

FEED MECHANISMS

Gitanovich, V. S., and N. K. Akunin. [Automatic control of the feed speed on circular gang saws] Avtomaticheskoe regulirovanie skorosti podachi na mnogopil'nykh krugloplil'nykh stankakh. Moskva, Goslesbumizdat, 1963. 143 p.

Mechanical conveying of billets from the heating furnace to the dies. G. I. Kalashnikov. Avt. prom. 29 no. 9:40-41 S '63.

Methods of determining the accuracy of the performance of automatic feed mechanisms for strip material. E. P. Shablinskii. [Nauch. trudy] I NIAMASha 6:60-69 '63.

Rabinovich, A. N., V. S. Matveichuk, and O. B. Shtankov. [Automation of the feeding and discharging of metal-cutting equipment] Avtomatizatsiia zagruzki i razgruzki metalloobrabatyvaiushchego oborudovaniia. Moskva, Mashgiz, 1963. 115 p. (Nauchno-populiarnaia biblioteka molodogo rabochego)

Vibratory feed mechanisms. A. N. Rabinovich. Vest. mashinostr. 43 no. 8:48-54 Ag '63.

FEED MECHANISMS—PNEUMATIC DRIVING

Universal feed of strips and bands by tongs with pneumatic drive. V. V. Shteinman, A. A. Makin. Kuz.-shtam. proizv. 5 no. 5:41-43 My '63.

FEED MILLS

(see also subdivision under Cherepovets)

Automation of proportioning by weight and estimating the expenditure of ingredients at mixed feed plants. G. Bardyshev. Muk.-elev. prom. 29 no. 3:30-32 Mr '63.

Increase the production and improve the quality of mixed feeds. Muk.-elev. prom. 29 no. 3:1-2 Mr '63.

FEEDING

Feeding conditions and the storage of fatty substances in the animal organism. M. F. Merazhynskii. Vestsi AN BSSR, Ser. biial. nav. no. 1:47-52 '63.

FEEDS

Burnet bloodwart as a fodder plant. N. G. Andreev. Dokl. TSKHA no. 62:429-431 '61.

If there are feeds there will be milk and meat. Ekon. sel'khoz. 34 no. 7:1-7 Jl '63.

Improving the technology of the production of fodder proteins in potato starch plants. A. S. Vechar, N. F. Prakazau. Vestsi AN BSSR, Ser. biial. nav. no. 1:5-12 '63.

Needle resources in spruce forests. V. V. Smirnov. Les. khoz. 16 no. 6:17-18 Je '63.

Take care of feeds all year round. Uchet. i khr. v kolkhoz. i sovkhoz. 20 no. 5:2-3 My '63.

FEEDS—COMPOSITION

Carotene content of corn, legumes, and sugar beets [with summaries in English, German, and French]. I. A. Danilenko, A. A. Kalinina. Vest. sel'khoz. nauki 8 no. 4:71-74 Ap '63.

FEEDWATER

Effect of feed water temperature on the operation of a boiler unit. N. I. Riabtsev. Prom. energ. 18 no. 7:16-19 Jl '63.

FEEDWATER—MEASUREMENT

Automatic device for measuring the hardness of feed water. A. I. Nudel'man, V. P. Filatov. Elek. sta. 34 no. 6:31-33 Je '63.

FEEDWATER PURIFICATION

Mechanization and automation of reagent shops. M. P. Suslov. Prom. energ. 18 no. 7:21-24 Jl '63.

FEKLISTOV, KONSTANTIN ANIKEEVICH

Konstantin Feklistov, secretary of the party committee. A. Izotov. Part. zhizn' Kazakh. 33 no. 4:33-36 Ap '61.

FENCING

Methods for recording the quality of touches in fencing with the epee. E. D. Sladkov, R. I. Struk. Teor. i prak. fiz. kul't. 26 no. 6:74-75 Je '63.

Training the qualities of speed in fencers. E. S. TSyganov. Teor. i prak. fiz. kul't. 26 no. 6:37-40 Je '63.

FEODOSIYA—GUIDEBOOKS

Balakhonov, V. I. [Feodosiya' study and guidebook] Feodosiia, ocherk-putevoditel'. Simferopol, Krymizdat, 1963. 143 p.

FERGANA—ADMINISTRATIVE REMEDIES

Handle workers' letters and complaints tactfully. A. Morozov. Part. zhizn' Uzb. 6 no. 7:53-56 Jl '63.

FERGANA—CINNABAR

Distribution of selenium in cinnabar from antimony-mercury deposits in southern Fergana [with summary in English]. Chung Chia-jung. Geokhimiia no. 12:1071-1078 '62.

FERGANA—IRON ORES

Migration of iron in gleying in Lower Cretaceous rocks of southeastern Fergana. S. G. Batulin. Trudy IGEM no. 99:130-230 '63.

FERGANA—PRECAST CONCRETE CONSTRUCTION—TECHNOLOGICAL INNOVATIONS

Duty plus initiative. K. Shtifanov. Nar. khoz. Uzb. 5 no. 8:50-51 Ag '63.

FERGANA—PUBLIC PROSECUTORS

An author of satirical sketches speaks his mind. Irina Volk. Sots. zakon. 40 no. 6:78 Je '63.

FERGANA—SELENIUM

Distribution of selenium in cinnabar from antimony-mercury deposits in southern Fergana [with summary in English]. Chung Chia-jung. Geokhimiia no. 12:1071-1078 '62.

FERMENTATION

Resistance of the agent of swine erysipelas to mesophilic fermentation of manure. V. D. Bubnov, V. A. Krasnoshchekov. Trudy VNIIVS 14:46-47 '59.

FERMENTATION—EQUIPMENT AND SUPPLIES

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Protective coatings for vessels in the brewing, wine making, and yeast industry] Zashchitnye pokrytiia emkostei v pivovarennoi, vinodel'cheskoi i drozhzhevoi promyshlennosti. Moskva, 1963. 15 p. (Tekhnicheskaia informatsiia)

[MICROFILM]

FERMI SURFACES

Effect of pressure on the Fermi surface of zinc and cadmium [with summary in English]. Iu. P. Galdukov, E. S. Itskevich. Zhur. eksp. i teor. fiz. 45 no. 2:71-82 Ag '63.

Electrons in metals: A short guide to the Fermi surface. Part 4. The properties of real metals [translated from the English]. J. M. Ziman. Usp. fiz. nauk 80 no. 3:505-510 Jl '63.

Electrons in metals: a short guide to the Fermi surface. Part 5. Structure of a Fermi surface [translated from the English]. J. M. Ziman. Usp. fiz. nauk 80 no. 4:665-684 Ag '63.

Evaluating the additional binding energy in diluted solid solutions. K. P. Gurov. Trudy Inst. met. no. 15:54-57 '63.

Fermi surface of tungsten [with summary in English]. N. V. Vol'kenshtein, V. N. Kachinskii, L. S. Starostina. Zhur. eksp. i teor. fiz. 45 no. 2:43-46 Ag '63.

FERNS, FOSSIL see subdivision under Baykonur region

FERRATES see Ferrites (Magnetic materials)

FERRICYANIDES

Chemiluminescent method for the quantitative determination of ferricyanides. A. K. Babko, I. E. Kalinichenko. Ukr. khim. zhur. 29 no. 5:527-532 '63.

FERRIMAGNETISM

Galvanomagnetic effects in ferrimagnetics near the compensation point [with summary in English]. V. G. Shavrov, E. A. Turov. Zhur. eksp. i teor. fiz. 45 no. 2:340-352 Ag '63.

Odd component of the galvanomagnetic effect in the ferrimagnetic compound Mn_5Ge_2 [with summary in English]. S. S. Levina, V. N. Novogrudskii, I. G. Fakidov. Zhur. eksp. i teor. fiz. 45 no. 2:52-55 Ag '63.

FERRITE (STEEL CONSTITUENT)

Formation of electromagnetic shock waves in transmission lines with unsaturated ferrite [with summary in English]. A. M. Beliantsev, Iu. K. Bogatyrev, L. I. Solov'eva. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:551-560 '63.

Stationary electromagnetic shock waves in transmission lines with unsaturated ferrites [with summary in English]. A. M. Beliantsev, Iu. K. Bogatyrev, L. I. Solov'eva. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:561-571 '63.

FERRITE CRYSTALS

Hydrothermal etching figures on garnet-structured ferrite crystals. P. V. Klevtsov, V. D. Zamozhskii. Fiz. tver. tela 5 no. 7:2012-2015 Jl '63.

FERRITES (MAGNETIC MATERIALS)

Ferrites in radio electronics. G. Matveev, V. Khomich. Radio no. 8:12-15 Ag '63.

Ioffe, A. F., and E. N. Filinov. [Measurement of the parameters of ferrite cores having rectangular hysteresis loops] Izmerenie parametrov ferritovykh serdechnikov s priamougol'noi petlei gisterezisa. Moskva, Gosenergoizdat, 1963. 134 p.

Reference sheet. Radio no. 8:56-57 Ag '63.

So-called quasi-ferromagnetism and the theory of ferrites of a new type. IA. G. Dorfman. Zhur. strukt. khim. 4 no. 1:121-122. Jl-Ag '63.

Temperature hysteresis of the magnetic permeability of magnesium-manganese and nickel-zinc ferrites. R. P. Smolin and others. Izv. vys. ucheb. zav., fiz. no. 1:94-99 '63.

X-ray diffraction examination and study of the magnetic and electric properties of the system $BiFeO_3$ and $LaFeO_3$. III. E. Roginskaia and others. Kristallografiia 8 no. 1:610-616 Jl-Ag '63.

X-ray diffraction study of solid solutions of Al, Co, Cr, Se in La and Pr orthoferrites. A. A. Katsnel'son, K. IAtskul'iak. Kristallografiia 8 no. 4:600-603 Jl-Ag '63.

FERROCENE

Synthesis of ferrocene derivatives from nitriles of ferrocenecarboxylic acids. A. N. Nesmeianov and others. Izv. AN SSSR, Ser. khim. no. 8:1377-1380 Ag '63.

FERROCENECARBOXYLIC ACID

Synthesis of ferrocene derivatives from nitriles of ferrocenecarboxylic acids. A. N. Nesmeianov and others. Izv. AN SSSR, Ser. khim. no. 8:1377-1380 Ag '63.

FERROELECTRIC CRYSTALS

Macroscopic theory of $BaTiO_3$ type ferroelectric crystals shaped as thick plates. L. P. Kholodenko. Fiz. tver. tela 5 no. 8:2090-2101 Ag '63.

Studying the vibration spectra of certain ferroelectrics by the Raman spectrum method. P. A. Bazhulin, T. P. Minaeikova, A. V. Rakov. Fiz. tver. tela 5 no. 7:1783-1790 Jl '63.

Temperature dependence of the electric field gradient in the ferroelectric $NaNO_2$. A. G. Lundin, S. P. Gabuda. Fiz. tver. tela 5 no. 7:2009-2011 Jl '63.

FERROELECTRIC SUBSTANCES

Brightness control of electroluminophors by means of ferroelectrics. A. I. Khodakov, A. V. Turik. Izv. vys. ucheb. zav.; fiz. no. 4:100-105 '63.

Crystallophysical classification of ferroelectric substances, ferroelectric phase transitions, and characteristics of the domain structure and certain physical properties of ferroelectric substances of various classes and classes. L. A. Shuvalov. Kristallografiia 8 no. 1:617-624 Jl-Ag '63.

Use of the "dew" method in observations of the domain structure of potassium dihydrophosphate crystals. S. D. Toshev. Kristallografiia 8 no. 4:660-662 Jl-Ag '63.

FERROMAGNETIC RESONANCE

Width of the resonance curve of an anisotropic ferromagnetic. Mon Sian'-chzhen' [Méng Hsien-cheng]. Fiz. tver. tela 5 no. 7:1968-1969 Jl '63.

FERROMAGNETISM

Coherent amplification of spin waves [with summary in English]. A. I. Akhiezer, V. G. Bar'iakhtar, S. V. Peletminskii. Zhur. eksp. i teor. fiz. 45 no. 2:337-343 Ag '63.

Magnetic anisotropy of uniaxial ferromagnetics. N. A. Potapkov. Dokl. AN SSSR 151 no. 3:543-545 Jl '63.

Ordering of ferro- and antiferromagnetic alloys. Fiz. met. i metalloved. 16 no. 1:3-12 Jl '63.

Symposium on ferromagnetism and ferroelectricity at Leningrad. K. P. Belov, L. A. Shuvalov. Vest. AN SSSR 33 no. 9:82-84 S '63.

Temperature dependence of internal friction and the modulus of rigidity of ferromagnetic alloys. V. S. Postnikov, G. K. Mal'tseva, V. I. Razumov. Izv. vys. ucheb. zav.; chern. met. 6 no. 7:149-154 '63.

FERROMANGANESE see subdivision under Indian Ocean; Pacific Ocean

FERTILIZATION (BIOLOGY)

Preservation of the fertilization ability of eggs and sperm cells of humpback salmon (Oncorhynchus gorbuscha (Walbaum)) in water. A. I. Smirnov. Nauch. dokl. vys. shkoly; biol. nauki no. 3:37-41 '63.

FERTILIZATION OF PLANTS
(see also subdivision under Leningrad region)
Biology of flowering and fruiting of Salsola arbuscula Pall. V. I. Konycheva Uzb. biol. zhur. 7 no. 3 22-25 '63.
Organization of cucumber pollination in hothouses of the "1-go Maia" State Farm. IA. M. Samosadov. Dokl. TSKHA no. 62 543-545 '61.
Photosynthesis and fruiting of the cotton plant as related to fertilizers [with summary in English] A. R. Egamberdiev. Trudy Otd. fiziol. biofiz. rast. AN Tadzh. SSR no. 3 48-52 '63.
Pollination of buckwheat in field conditions. Z. P. Pausheva. Dokl. TSKHA no. 62 177-180 '61.

FERTILIZER SPREADERS
Placement of liquid fertilizers. P. Voitov Tekh. v sel'khoz. 23 no. 5 18-20 My '63.
Testing of a caprone cable operating as a pull exerting component in scraper systems. S. E. Markarian, L. A. Mkrtchian. Mekh. i elek. sots. sel'khoz. 21 no. 1 50-51 '63.

FERTILIZERS AND MANURES
(see also subdivision under Germany, West; Golodnaya Steppe; Harju region; Kazakhstan, Latvia, Sumy District; Tatar A.S.S.R.; Ukraine, White Russia)
Characteristics of the effect of fertilizers on turf-Podzolic soils. S. S. Sigarkin Zemledelie 25 no. 9 50-53 S '63.
"Effect of fertilizers on soil fauna" [in German] by G. Herbke and others. Reviewed by N. M. Chernova. Zool. zhur. 42 no. 8 1280-1282 '63.
Effect of fertilizers on soil microflora. E. F. Berezova, T. A. Sorokina. Zemledelie 25 no. 9 57-59 S '63.
Effect of large amounts of mineral fertilizers upon the acidity of soil solution and the mobility of elements in little-cultivated strongly podzolized turf soils. F. I. Levin, E. N. Subbotina Nauch. dokl. vys. shkoly, biol. nauki no. 3 218-222 '63.
Effect of liming on the organic substances of soils and fertilizers. S. G. Shederov. Trudy VIUA no. 38 117-127 '61.
Effect of organic-mineral fertilizers and their components on the yield of plants and the role of nitrogen in the effectiveness of organic-mineral fertilizers. B. I. Gorizontov. Trudy Kaz. SKHI no. 43 3-21 '61.
Effect of soil liming combined with the use of organic and mineral fertilizers on the acidity of soils. M. F. Sokolova. Trudy VIUA no. 38 150-161 '61.
Effect of soil liming combined with the use of organic and mineral fertilizers on the improvement of long-fallowed lands in Archangel Province. L. I. Akishin. Trudy VIUA no. 38 140-150 '61.
Manure evaluation. L. I. Vlasenko. Uchet. i fin. v kolkhoz. i sovkhoz. 20 no. 9 26 S '63.
Resistance of the agent of swine erysipelas to mesophilic fermentation of manure. V. D. Bubnov, V. A. Krasnoshchekov. Trudy VNIIVS 14 46-47 '59.
Results of studies on organic-mineral fertilizers. P. F. IUng. Zemledelie 25 no. 9 59-65 S '63.
Solid and liquid compound fertilizers, their investigation and possible use in the U. S. S. R. [with summary in English]. A. V. Peterburgskii, A. V. Postnikov. Izv. TSKHA no. 3 103-121 '63.
Use of manure-soil compost as a fertilizer. Inform. biul. VDNKH no. 7 19-20 Jl '62.
Using mineral fertilizers in eroded soils. S. U. Kerimkhanov. Zemledelie 25 no. 7 82-83 Jl '63.

FERTILIZERS AND MANURES—ANALYSIS
Results of the study of the simplest methods for a chemical analysis of liming materials. N. I. Allamovskii. Trudy VIUA no. 30 260-274 '61.

FERTILIZERS AND MANURES—DISINFECTION
Chemicals for disinfecting manure. A. A. Poliakov. Trudy VNIIVS 14 36-38 '59.

FERTILIZERS AND MANURES—MECHANICAL PROPERTIES
Study of the friction coefficients of manure. I. I. Iali. Nauch. trudy UNIIMESKH 4 134-139 '62.

FETAL MEMBRANES
Formation of an artificial vagina from amniotic membranes. IA. E. Krivitskii, L. I. Zavershenskaia. Kaz. med. zhur. no. 3 81-82 My-Je '63.

FETAL MEMBRANES—TRANSPLANTATION
Transplantation of fetal membranes in some disorders of the menstrual function. E. S. Kononova. Kaz. med. zhur. no. 3 58-60 My-Je '63.

FETUS
Fetal adrenal cortex in swine. Z. S. Katsnel'son, E. M. Ledianeva, V. P. Aleksandrova. Dokl. AN SSSR 151 no. 1 201-202 Jl '63.

FETUS, DEATH OF
Anatomico roentgenological characteristics of anastomosis of the human umbilical arteries. G. S. Kir'iakulov. Ped., akush. i gin. 25 no. 2 59-61 '63.

FEUDALISM
(see also subdivision under Japan)
"Problems of the socioeconomic history of feudal Russia and its sources," O. S. Kompan. Ufim. ist. zhur. 6 no. 3 144-146 My-Je '63.

FIBERGLASS BOATS
Launch made of plastic material. I. E. Gushchin, F. M. Zaprudnev. Sudostroenie 29 no. 5 35-36 My '63.

FICHTE, JOHANN GOTTLIEB, 1762-1814
Kalandarishvili, G. M. [Dialectic in the "Basic principles of the general theory of science" by J. G. Fichte] Dialektika v "Osnovakh obshchego naukouchenia" I. G. Fikhte. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 67 p.

FIELD CROPS
(see also subdivision under Gomel' Province; Kagal'yk region; Ryazan Province, Volgograd Province)
Developing a method of objectively evaluating the lodging resistance of field crops sowed in narrow rows. V. S. Kuznetsov. Dokl. TSKHA no. 62 17-21 '61.
[Strong crops] Moguchie kul'tury. Moskva, Sovetskaia Rossiia, 1962. 222 p. (Tiuzhenikam sela - ob intensivnoi sisteme zemledeliia, no. 2) (DNAL)
What a collective farm gained from the improvement of the structure of its crop acreage. G. G. Vatkin. Zemledelie 25 no. 7 37-38 Jl '63.

FIELD CROPS—FERTILIZERS AND MANURES see subdivision under Lithuania

FIELD MICE see subdivision under Armenia; Tien Shan; Ural Mountains

FIELD PEA
Study of a pea planting process. M. D. Galenko, N. A. Manoilo. Nauch. trudy UNIIMESKH 4 3-6 '62.

FIELD THEORY
Solution of the fundamental problems in field theory for a sphere. A. Nizamkhodzhaev. Sbor. nauch.-issl. rab. TTI no. 15 111-124 '62.
Solution of the fundamental problems in field theory for a spherical layer. A. Nizamkhodzhaev. Sbor. nauch.-issl. rab. TTI no. 15 125-136 '62.
Theory of nonlocally interacting fields. Part 2. The dynamic apparatus of the theory [with summary in English]. D. A. Kirzhnits. Zhur. eksp. i teor. fiz. 45 no. 2 143-154 Ag '63.

FIELDS, ALGEBRAIC
On certain indeterminate equations in cyclic finite extension fields. P. N. Remorov. Uch. zap. Ped. inst. Gerts. 197 9-15 '58.
On 2-extensions over a local field. S. P. Demushkin. Sib. mat. zhur. 4 no. 4 951-955 Jl-Ag '63.
Siegel's zeroes. A. I. Vinogradov. Dokl. AN SSSR 151 no. 3 479-481 Jl '63.

FIGWORT
Study of alkaloids of Pedicularis olgae RGL. Kh. Ubaev, P. Kh. IUldashev, S. IU. IUnusov. Uzb. khim. zhur. 7 no. 3 33-36 '63.

FILARIA AND FILARIASIS see subdivision under Kazakhstan

FILLERS (IN PAPER, PAINT, ETC.) see subdivision under Armenia

FILMS (CHEMISTRY)
Device for automatically supplying the chemical forming a film on a water surface for suppressing evaporation. V. M. Barsegian, V. N. Zhamgortsian. Izv. AN Arm. SSR, Ser. tekh. nauk 16 no. 2/3 120-132 '63.
Electrical and mechanical properties of polyethylene terephthalate films. N. V. Aleksandrov, S. G. Trubachev. Vest. elektroprom. 34 no. 8 41-46 Ag '63.
Motion of a monomolecular film under the action of a steady wind. L. A. Dalan. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 2/3 133-136 '63.

FILTERS AND FILTRATION
Equipment for fine purification of paint materials and semiprocessed products, brief review of foreign literature. V. E. Beliavskii, G. A. Ermakova. Lakokras. mat. i ikh prim. no. 3 82-89 '63.
Present state and prospects for the development of the manufacture of filters in the U. S. S. R. B. N. Borisoglebskii. Khim. mashinostr. no. 4 1-4 Jl-Ag '63.

FILTERS AND FILTRATION—TESTING
Effect of the quality of cement concentrates and their preheating on the output of filters. V. I. Meshchaninova, S. I. Mitrofanov. TSvet. met. 36 no. 8 79-80 Ag '63.

FINANCE
(see also subdivision under Biysk; Europe, Eastern; Kiev Province; Kirghizistan; Kishinev; Vladimir Province; Volga-Vyatka Economic region)
Business accounting and material stimulation of socialist production. N. Spiridonova. Vop. ekon. no. 9 40-53 S '63.
Financial organs' control over the consumer service industries. S. Khalitov, P. Varfolomeev. Fin. SSSR 37 no. 6 68-72 Je '63.
For the strictest economy in the expenditure of national funds Fin. SSSR 37 no. 8 3-7 Ag '63.
In the Collegium of the Ministry of Finance of the U. S. S. R. Fin. SSSR 37 no. 6 92-95 Je '63.
Interesting monograph. A. Smirnov. Fin. SSSR 37 no. 6 86-90 Je '63.
Kostromin, G. I. [National economic significance of financial planning] Narodnokhoziaistvennoe znachenie finansovogo planirovaniia. Moskva, Gosfinizdat, 1963. 94 p.
Methodology for preparing the planned financial balance of a Union Republic. A. Llando. Vop. ekon. no. 9 130-135 S '63.
New tasks of financial organs at the present stage. V. Garbuzov. Fin. SSSR 37 no. 6 3-17 Je '63.
Replies to the editor. Fin. SSSR 37 no. 6 85 Je '63.

FINANCE—BIBLIOGRAPHY see Bibliography—Finance

FINANCIAL STATEMENTS
Improve the quality of annual reports. I. Kulchinskii and others. Bukhg. uchet 20 no. 8 49-50 Ag '63.

FINES (PENALTIES)
Decree of the Presidium of the Supreme Soviet of the U. S. S. R. of May 31, 1963. Sov. iust. no. 14 16 Jl '63.

FINLAND—COMMUNIST PARTY
Fourty-five years of the struggle for the cause of Finnish workers V. G. Fedorov Vop. ist. KPSS 7 no. 8 91-95 Ag '63.

FINLAND—RELATIONS (GENERAL) WITH RUSSIA
Trust, equality and cooperation. Ehran von Runsdorf. Kul't. i zhizn' 7 no. 5 23 '63.

FINNISH LITERATURE—HISTORY AND CRITICISM
A book about Finnish literature V. Sukhanova Vop. lit. 7 no. 7 228-230 Jl '63.

FIODAROU, IVAN MIKHAILAVICH, 1883-
Author of the White Russian Robinsonades, on Anka Mauri's 80th birthday. Stanislaw Shushkevich. Belarus' 20 no. 5 20-21 My '63.

FIRE (IN RELIGION, FOLKLORE, ETC.)
"Fire walkers," A. Matiushin. Az. i Afr. segodnia no. 8 56 Ag '63.

FIRE DEPARTMENTS—EQUIPMENT AND SUPPLIES
Exhaust fans. N. Lukashevich. Pozh. delo 9 no. 8 23 Ag '63.
New communication and lighting motortruck. G. Burdman. Pozh. delo 9 no. 8 24 Ag '63.

FIRE EXTINCTION
Use speed and skill in fire extinction. D. Shvets. Pozh. delo 9 no. 8 27 Ag '63.

FIRE PREVENTION
After the encounter with journalists. S. Tarbirovich. Pozh. delo 9 no. 8 10 Ag '63.
Fire hazards of the electronic calculating machines. O. Volkov. Pozh. delo 9 no. 8 12-14 Ag '63.
Prepare in due time for winter. Pozh. delo 9 no. 8 8-9 Ag '63.
Readers' letters. Pozh. delo 9 no. 8 31 Ag '63.

FIRE PREVENTION—INSPECTION
Our helpers. F. Rozhok. Pozh. delo 9 no. 8 28 Ag '63.

FIRE PREVENTION—RESEARCH
Testing the new harvesting machines. V. Gavrilenko. Pozh. delo 9 no. 8 11 Ag '63.

FIRE PREVENTION—STUDY AND TEACHING
For the first time. G. Markov. Pozh. delo 9 no. 8 21 Ag '63.

FIREBRICK
(see also subdivision under Great Britain)
Manufacture of dense magnesite-chromite refractories. B. D. Minkovich and others Ogneupory 28 no. 7 305-311 '63.
Reorganization of a dinas brick manufacturing plant. I. D. Gusev. Ogneupory 28 no. 7 301-303 '63.
Unfired dinas bricks I. S. Kanavskii, E. V. Degtiareva, A. A. Eltysheva. Ogneupory 28 no. 7 303-305 '63.

FIREBRICK—TESTING
Increasing the durability of ladle brick. T. S. Ignatova, V. G. Filagin, E. I. Chukreeva. Ogneupory 28 no. 8 355-360 '63.

FIREMEN
(see also subdivision under Kamchatka; Khabarovsk Territory)
Encounter. D. Trotliak. Pozh. delo 9 no. 8 29 Ag '63.

FIREMEN (Continued)
Toward the victory of communist labor. Pozh. delo 9 no. 8 1-2 Ag '63.
With a directive from the Communist Youth League B. Voinov. Pozh. delo 9 no. 8:22 Ag '63

FIRES
Some problems in the technical examination of the causes of fires. S. P. Mitrichev. Vop. krim. no. 6/7: 168-177 '62

FIRST AID IN ILLNESS AND INJURY
(see also subdivision under Moscow)
First aid in poisoning by toxic chemicals. IU. S. Kagan Med. sestra 22 no. 6 34-35 Je '63.

FIRST AID IN ILLNESS AND INJURY—HANDBOOKS, MANUALS, ETC.
[Emergency aid, a brief manual for the regional physican] Neotlozhnaia pomoshch', kratkii spravochnik uchastkovogo vracha Pod red L. S. Shvartsa, B. A. Nikitina. Izd 2, ispr. i dop. [Saratov] Saratovskoe knizhnoe izd-vo, 1963 458 p.
(DNLM)

FISH, CANNED see subdivision under Sakhalin

FISH CULTURE
Artificial cultivation of the Aral barbel after the regulation of the flow of the Syr Darya River E. L. Galaktionova Trud. Inst. ikht. i ryb. khoz. AN Kazakh SSR 4 84-97 '63
Egg incubation and keeping of the prelarvae of salmon in gravel A. M. Kol'gaev. Ryb. khoz. 39 no. 8 32-33 '63
Martyshev, F. G. [Intensive forms of pond fish culture] Intensivnye formy prudovogo rybovodstva Moskva, Izd-vo "Znanie," 1963 46 p (Narodnyi universitet Kultury Sel'skokhoziaistvennyi fakul'tet, no 7)
Quality of young-of-the-year carp in one-year culture [with summaries in English, German, and French]. V. A. Movchan, S. I. Strel'nikov Vest. sel'khoz. nauki 8 no. 4 81-84 Ap '63

FISH CULTURE—EQUIPMENT AND SUPPLIES see subdivision under France

FISH INTRODUCTION
Introduction of the Lake Sevan trout (Salmo ischchan Kessler) into Crimean water reservoirs. G. B. Mel'nikov, A. M. Chaplina. Nauch. dokl. vys. shkoly, biol. nauki no. 3:28-30 '63.

FISH MEAL
Experimental and commercial preservation of Caspian sprats with sodium pyrosulfite for the production of fish meal S. V. Ezerskii Trudy Inst. ikht. i ryb. khoz. AN Kazakh. SSR 4 211-233 '63

FISH POPULATIONS
Vortex rescues fishes. A. Arshava. Tekh. mol. 31 no. 3 28-29 '63.

FISH PROCESSING PLANT
Floating herring-processing plant. Sudostroenie 29 no. 5:1-4 My '63.
[Manual for workers of fish processing plants, collection of technological instructions and reference material on the primary processing of fish on board fishing ships of the Kaliningrad Economic Council] Spravochnik rybo-obrabotchika, sbornik tekhnologicheskikh instruktsii, spravochnogo materiala po pervichnoi obrabotke ryby na promyslovykh sudakh Kaliningradskogo sovnarkhoza. [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1962. 259 p

FISH SCREENS
Studying the reaction of young fishes in the zone of action of a moving electric field. G. N. Zolotov. Trudy Inst. ikht. i ryb. khoz. AN Kazakh SSR 4 175-186 '63.

FISHERIES
(see also subdivision under Aral Sea, Astrakhan Province; Atlantic Ocean, Caspian Sea, Communist Countries; English Channel; Kazakhstan; Kremenchug Reservoir; Soviet Far East; Ukraine; Ural Delta; Ural River; Yakutia)
Some problems concerning Professor V. N. Voinikanis-Mirskii's article "The type of engineer we need." N. M. Saburenkov. Ryb. khoz. 39 no. 8:73-78 '63.

FISHERIES—BIBLIOGRAPHY see Bibliography—Fisheries

FISHERIES—ECONOMIC ASPECTS see subdivision under Gur'yev District

FISHERIES—RESEARCH
Annual conference of marine research institutes. V. M. Naumov. Ryb. khoz. 39 no. 8 86-87 '63.
Some tasks of fishery research with regard to the resolution of the Central Committee of the CPSU and the Council of Ministers of the U. S. S. R. "On measures for further development of biological science and the strengthening of its ties with the practice." P. A. Moiseev Ryb. khoz. 39 no. 8:3-9 '63.

FISHERMEN see subdivision under Mulnak District

FISHERY LAW AND LEGISLATION see subdivision under Kazakhstan

FISHERY PRODUCTS
Gorfunkel', I. I. [Manual for laboratory and practical work in the commercial study of food merchandise, fish and fish products] Rukovodstvo k laboratornym i prakticheskim zaniatiiam po tovarovedeniiu prodovol'stvennykh tovarov; ryba i rybnye tovary. Moskva, Gostorgizdat, 1963 70 p.

FISHES see subdivision under Dnieper River

FISHES—EGGS
Metaphase of the first maturation division in the oocytes of sturgeons. T. A. Detlaf, S. I. Zuichenko. Dokl. AN SSSR 152 no. 1:246-248 S '63.

FISHES—FOOD
Feeding habits of adult three-spined stickleback (Gasterosteus aculeatus L.) in the Kandalaksha Bay of the White Sea S. A. Abdel'-malek. Nauch. dokl. vys. shkoly, biol. nauki no. 3:31-36 '63.

FISHES—PARASITES see Parasites—Fishes

FISHING
Sabunaev, V. B. [Sports fishing] Sportivnaia lovlia ryby. [Leningrad] Lenizdat, 1963. 430 p.

FISTULA
Median and lateral cysts and fistulas of the neck N. A. Vasil'ev Vest. otorin. no. 1 82-88 '63

FISTULA, RECTOVAGINAL
Congenital fistula between the rectum and vestibule of the vagina in case of a normal anus M. B. Sytkovs'kyi Ped., akush. i gin. 25 no. 2 55-57 '63.

FLAME
Laminar flame in turbulent flow. A. M. Klimov. PMTF no. 3:49-58 My-Je '63.

FLAME HARDENING
Heat treatment during the reconditioning of hammer dies. L. D. Demidov. Kuz.-shtam. proizv. 5 no. 5. 6-8 My '63.

FLAME PHOTOMETRY
Device for the atom-absorption spectrophotometry of a flame. N. S. Poluektov, S. E. Gurinzaid Zav. lab. 29 no. 8:998-1000 '63.
Flame-photometric determination of strontium in a methane-air flame using the SF-5 spectrophotometer. G. P. Aleksandrov and others. Ukr. khim. zhur. 29 no. 6:623-627 '63.

FLAMETHROWERS
Disinfection of rabbit hutches infected with coccidia by using the LSD-3 hydraulic flamethrower. B. A. Nikol'skii, V. D. Bubnov. Trudy VNIIVS 14:42-43 '59.

FLATFISHES see subdivision under Soviet Far East

FLAVANOL
New synthesis of 3-hydroxyflavone, the flavanol. M. K. Shakhova, IU. Litkei, G. I. Samokhvalov. Dokl. AN SSSR 151 no. 5 1120-1122 Ag '63.

FLAX
(see also subdivision under Stolin District)
Effect of the doubling process on the sliver splicing board on the unevenness of combed flax sliver V. T. Molochkova. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2:76-83 '63.
Effect of zinc deficiency on some anatomic indicators of bast fibers of flax N. V. Porokhnevich. Dokl. AN BSSR 6 no. 12 798-800 D '62.
Sizov, A. I., ed. [Flax growing; production and science] L'novodstvo (opyt proizvodstva i nauki) Moskva, Gos. izd-vo sel'khoz. lit-ry, 1960. 410 p.
(ICU)
Studying the force of cohesion of stalks in a layer of retted straw V. B. Levin. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2:40-45 '63.

FLAX—FERTILIZERS AND MANURES
Liming of soils in crop rotations with potatoes and flax. S. G. Shederov. Trudy VIUA no. 36:104-117 '61.

FLAX BREEDING
Klochkov, V. N., P. V. Maiykh, and A. P. Rogash. [Breeding and seed production of fiber flax] Selektsiia i semenovodstvo l'na-dolgunsa. Pod obshchei red. A. R. Rogasha. Moskva, Sel'khozizdat, 1963. 188 p.
(DNAL)

FLAX PROCESSING MACHINERY
Active ventilation of flax heaps. B. A. Karpov. Dokl. TSKHA no. 62:497-503 '61.
Quality of fiber in spreading flax straw with a remodeled fiber-flax combine in strips of different widths. N. N. Surkov, M. D. Potezhaeva. Dokl. TSKHA no. 62:75-82 '61.

FLEAS AS CARRIERS OF DISEASE see subdivision under Polesye

FLEROV, GEORGII NIKOLAEVICH, 1913-
Georgii Nikolaevich Flerov, on his 50th birthday. K. A. Petrzhak, S. M. Polikanov. Usp. fiz. nauk 80 no. 4:707 Ag '63.

FLESH FLIES see subdivision under Murgab Valley

FLIES
Predatory flies of the family Chamaemyiidae Zool. zh. rast. ot vred. i bol. 9 no. 7 40-42 Jl '63.

FLIES—EXTERMINATION
Editor's mail. S. Poznanskyi, Doslik. vykh. 24 no. 7: 43-45 Jl '63.
Effect of DDT and hexachloran aerosols on houseflies Z. E. Vranchan. Trudy VNIIVS 14:8-9 '59.

FLIGHT CREWS
An outstanding team. V. Izmailov. Kryl. rod. 11 no. 9 12-13 S '63

FLIGHT TRAINING
(see also subdivision under Tambov)
Different approaches to requirements. M. Gorlinskaia. Grazhd. av. 20 no. 8:19-20 Ag '63.

FLOATING CRANES
Stabilizing universal floating cranes and the allowable angles of heel. A. Aleiner. Rech. transp. 22 no. 7 16-18 Jl '63.

FLOATING CRANES—MAINTENANCE AND REPAIR
Changing a diesel-generator plant on "Ganz"-type floating cranes I. Danilov. Rech. transp. 22 no. 6:41 Je '63.
Damage detector in the electric circuit of a floating crane. A. Bannikov. Rech. transp. 22 no. 6:13 Je '63.

FLOATING DOCKS
Operation of short floating docks. S. L. Nisenbaum. Sudostroenie 29 no. 5:46-47 My '63.

FLOCK
Application of the law of probabilities distribution to flocks of various sizes. V. P. Levinskii. Izv. vyss. ucheb. zav., tekh. tekst. prom. no. 2:61-66 '63.

FLOODS
Numerical method for calculating the propagation of long waves in open river beds and its application to the direct problem. O. F. Vasil'ev and others. Dokl. AN SSSR 151 no. 3:525-527 Jl '63.

FLOORS
Floors of industrial buildings. M. N. Kupochkin Opyt zarub. strol. no. 8:99-146 '63.

FLORESHTY DISTRICT—PUBLIC HEALTH, RURAL
In the Medical Council of Floreshty District. S. Plashka, A. Zaiokovenko, S. Poiterbarg. Zdravookhranenie 6 no. 1:62-63 Ja-F '63.

FLORICULTURE
(see also subdivision under Arctic regions; Moscow)
Growing perennial floral plants N. A. Magnitskaia Biol. v shkole no. 4:69-71 Jl-Ag '63

FLORIDA, STRAITS OF—NAVIGATION
One can choose a better course through the Straits of Florida. B. Revunenkov. Mor. flot 23 no. 5:19-20 My '63.

FLOTATION
Effect of the quality of cement concentrates and their preheating on the output of filters. V. I. Moshchanskaia, S. I. Mitrofanov. TSvet. met. 36 no. 8:76-80 Ag '63.
Obtaining high-grade titanium concentrates by flotation S. A. Sysoliatin. Titan i ego splavy no. 9:24-26 '63
Review of G. S. Berger's book "Flotability of minerals." G. L. Lebedev, V. P. Kuznetsov. TSvet. met. 36 no. 8 95 Ag '63.
State of a double electric layer of tantalite and certain accompanying minerals during flotation. T. B. Nalfonov, S. I. Pol'kin, R. Sh. Shafeev. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3:40-46 '63.
Studying the effect of certain reagents on the flotation properties of carbonatite rock minerals. D. I. Kogan, V. A. Rychagov. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3:51-57 '63.

FLOTATION—EQUIPMENT AND SUPPLIES
Investigating by methods of radiometry and infrared spectroscopy the mechanism of the interaction ANP cation collector with apatite and calcite. S. F. Kuz'kin, V. I. Solnyshkin, Chzhen Iu-lun [Chong Yu-lung]. Izv. vys. ucheb. zav.; tsvet. met. 6 no. 3: 35-39 '63.
Naphtazolethiones as potential collectors for oxide and sulfide lead and copper minerals. G. N. Tiurenkova, I. A. Krkovskii. Izv. vys. ucheb. zav.; tsvet. met. 6 no. 3:47-50 '63.

FLOTATION—QUALITY CONTROL
Improving the quality of flotation concentrates in the dressing of Kazakhstan complex metal ores. A. M. Sedchenko and others. TSvet. met. 36 no. 8:10-12 Ag '63.

FLOTATION—TESTING

Using electron microscopy for the study of reagent interaction with the inevitable pulp ions and mineral surfaces. S. I. Pol'kin, A. M. Komlev, E. P. Petukhov Izv. vys. ucheb. zav., tsvet met. 6 no. 3:29-34 '63.

FLOUR—TESTING

Accelerating the ripening of wheat flour in heating. I. A. Sysoev, L. IA. Auerman. Khleb i kond. prom. 7 no. 8:29-31 Ag '63.

The VM-3 device for rapid determination of the moisture content in flour. T. D. Dzhaparidze Priborostroenie no. 7:29 Jl '63.

FLOUR MILLS
(see also subdivision under Leningrad, Poland)

Calculating the milling batch of grain made up from an unlimited number of components R. Galitskin Muk.-elev. prom. 29 no. 3:22-23 Mr '63

Resources in designing pneumatic conveying systems for flour mills A. Kemmer Muk.-elev. prom. 29 no. 3:20-22 Mr '63

FLOWER SHOWS

Best varieties of spring flowering plants. Inform. biul. VDNKH no. 5:25 My '62.

FLOWERING OF PLANTS see Plants, Flowering of

FLOWMETERS

Kremlevskii, P. P. [Flowmeters; industrial instruments for measuring the consumption of liquids, gas and steam] Raskhodomery, proizvodstvennye pribory dlia izmerenita raskhoda zhidkosti, gaza i para. Moskva, Mashgiz, 1955. 435 p.

FLUID DYNAMICS

Motion of a monomolecular film under the action of a steady wind. L. A. Daian. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 2/3:133-136 '63.

Three-dimensional uniform expansion and compression of a rarefied gas with power functions of interaction. A. A. Nikol'skii. Dokl. AN SSSR 151 no. 3:522-524 Jl '63.

FLUID MECHANICS

Periodic waves produced by a source situated above an inclined bottom L. N. Sretenskii. Dokl AN SSSR 151 no. 5:1050-1052 Ag '63.

FLUIDIZATION

Design and construction of apparatus with a fluidized bed of grainy material. Part 1: Gas distribution grids. V. D. Gvozdev and others. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2:320-327 '63.

Gas-distributing units with conjugate cones for the apparatus with a fluid bed. R. S. Fraiman, E. N. Gel'perin, T. I. Luzanova. Khim. i tekh. topl. i masel 8 no. 8 44-46 Ag '63.

Heating in a fluidized bed M. B. Gutman, L. A. Mikhailov, O. I. Rozhdestvenskii Vest. elektroprom 34 no. 8 53-57 Ag '63.

Roasting of ferrous sulfate in a fluidized bed (pilot plant testing). V. V. Pechkovskii, S. A. Amirova, N. I. Vorob'ev. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2:268-273 '63.

Self-oscillations arising in a pseudofluidized bed [with summary in English]. A. I. Tamarin. Inzh.-fiz. zhur. 6 no. 7:19-25 Jl '63.

Studying the parameters of the motion of particles in a pseudofluidized bed by the radioisotope method [with summary in English]. N. B. Kondukov and others. Inzh.-fiz. zhur. 6 no. 7:13-18 Jl '63.

FLUOBERYLLATES—SPECTRA

Vibration spectra of alkali metal fluoberyllates of the type M_2BeF_4. A. I. Grigor'ev and others. Dokl. AN SSSR 152 no. 1:134-136 S '63.

FLUORESCENCE

Blue-violet fluorescence of fluorspar N. N. Vasil'kova. Min. syr'e no. 7:55-61 '63.

FLUORESCENCE MICROSCOPY

Evaluation of the fluorescence microscopy picture of the blood and bone marrow following roentgen irradiation [with summary in English] V. A. Kolpakov Med. rad. 7 no. 11:50-53 N '62

FLUORESCENT LAMPS

New light sources (from "Electrical Construction and Maintenance," no. 12 1961). IA. E. Vol'fkovich. Prom. energ. 18 no. 5:51-52 My '63.

FLUORIDES

Nitrogen-containing fluorides and their organic derivatives. K. J. Hofman, R. G. Neville. Usp. khim. 32 no. 8:964-1010 Ag '63.

Relationship between the occurrences of elements in nature in the form of chlorides and fluorides and the place of elements in the periodic system [with summary in English]. V. V Shcherbina. Geokhimiia no. 8:721-724 Ag '63

FLUORIMETER

Simplified photoelectric fluorimeter. V. N. Smorchkov, A. N. Nikitina. Prib. i tekh. eksp. 8 no. 3:192 My-Je '63.

FLUORINE

Geochemistry of fluorine in nepheline syenites [with summary in English]. V. I. Gerasimovskii. Geokhimiia no. 3:237-244 Mr '63.

FLUORINE COMPOUNDS

Electron diffraction study of fluorine-containing polymers [with summary in English]. S. S. Leshchenko, V. L. Karpov, V. A. Kargin. Vysokom. soed. 5 no. 7 953-959 Jl '63.

FLUORINE ORGANIC COMPOUNDS

Linear polyfluorinated similar bifunctional compounds as potential monomers. I. L. Knuniants, Li Chzhi-iuan' [Li Chih-yuan], V. V. Shokina. Usp. khim. 32 no. 9: 1052-1066 S '63.

Nitrogen-containing fluorides and their organic derivatives. K. J. Hofman, R. G. Neville. Usp. khim. 32 no. 8:964-1010 Ag '63.

Perfluorodemethylketene and perfluoromethacrylic acid. Report No. 1: Hexafluoroisobutyric acid halides from fluorinated ethers. I. L. Knuniants, IU. A. Cheburkov, M. D. Bargamova. Izv. AN SSSR, Ser. khim. no. 8:1389-1393 Ag '63.

Perfluorodimethylketene and perfluoromethacrylic acid. Report No. 2: Comparison of α-hydrohexafluoroisobutyric acid halides in the reaction with triethylamine. I. L. Knuniants, IU. A. Cheburkov, M. D. Bargamova. Izv. AN SSSR. Ser. khim. no. 8:1393-1397 Ag '63.

Perfluorodimethylketene and perfluoromethacrylic acid. Report No. 4: Pyrolysis of some derivatives of α-hydrohexafluoroisobutyric acid. IU. A. Cheburkov, I. L. Knuniants. Izv. AN SSSR. Ser. khim. no. 9:1573-1576 S '63.

FLUORITE
(see also subdivision under Transbaikalia)

Blue-violet fluorescence of fluorspar. N. N. Vasil'kova. Min. syr'e no. 7 55-61 '63.

FLUOROSCOPIC DIAGNOSIS see Diagnosis, Fluoroscopic

FLYSCH see subdivision under Tuapse region

FOAMED MATERIALS

New method of rudder filling. G. P. Kurilko. Sudostroenie 29 no. 7 67-68 Jl '63.

FOCAL INFECTION

Effect of a galvanic current on the inflammation focus; experimental examination. N. A. Kaplun and others. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:417-420 S-O '62.

FOG see subdivision under Baltic Sea region

FOLDS (GEOLOGY)
(see also subdivision under Krivoy Rog Basin; Kuban-Azov Lowland; Kuznetsk Basin)

Analysis of fold formation mechanism. Zhan Gogel', Sov. geol. 6 no. 8:27-39 Ag '63.

Outline of the geochemistry of salts. Pt. 2: Migration of Salts in folded areas. K. M. Feodot'ev, P. L. Pribil'ko. Trudy IGEM no. 99:147-153 '63.

Some criteria for appraising structural noses and terraces in oil and gas prospecting. A. D. Rybakova, A. M. Vel'kov. Geol. nefti i gaza 7 no. 6 27-32 Je '63.

FOLK ART see subdivision under Yugoslavia

FOLK SONGS see subdivision under Voronezh Province

FOLK SONGS, SLOVAK—HISTORY AND CRITICISM

Bogatyrev, P. G. [Slovak epic stories and epic lyrics; the "Brigand cycle"] Slovatskie epicheskie rasskazy i liro-epicheskie pesni; "Zbojnitskii tsikl." Moskva, Izd-vo Akad. nauk SSSR, 1962. 191 p.

FOLKLORE
(see also subdivision under Dunayevtsy District; Siberia)

"On the path of legends" by I. I. Akimushkin. Reviewed by N. G. Nikulina Biol. v shkole no. 4 92-93 Jl-Ag '63

People about religion. P. Lebedev. Mol. kommun. no. 8:129 Ag '63.

FOLKLORE, LITHUANIAN

Lietuvos TSR Mokslu akademija, Vilna. Lietuviu kalbos ir literaturos institutas. [Heaven, priests and people; antireligious Lithuanian folk literature] Dangus kunigai ir liaudis; antireligine lietuviu tautosaka. Vilnius, Valstybine grozines literaturos leidykla, 1963. 361 p. [In Lithuanian]

FOLKLORE, UZBEK

Folklore as a source of Uzbek democratic thought. G. Shalusupova. Nauch. trudy TashGU no. 207:179-200 '62.

FOLKLORE STUDIES

Azadovskii, M. K. [History of Russian fol'klore studies] Istoriia russkoi fol'kloristiki Moskva, Uchpedgiz, Vol. 2. 1963. 361 p.

FONVIZIN, DENIS IVANOVICH, 1745-1792

Fonvizin and the Russian Enlightenment of the 18th century. P. Berkov. Vop. lit. 7 no. 7:206-210 Jl '63

FOOD—COMPOSITION

Content of molybdenum in food products and its hygienic significance. I. P. Barchenko, E. M. Malevannaia. Vrach delo no. 5:102-103 Je '63.

FOOD, CONCENTRATED

Wafers enriched with dehydrated meat. V. V. Vinograd and others Khleb. i kond. prom. 7 no. 8:15-17 Ag '63.

FOOD, FROZEN

Dehydrofreezing of vegetables and fruits. V. I. Sholapu tin and others. Khol. tekh. 40 no. 3:30-32 My-Je '63

Food freezing on a metal sheet. V. A. Tolder. Khol. tekh. 10 no. 3:33-36 My-Je '63.

FOOD INDUSTRY
(see also subdivision under Kazakhstan)

Create a modern industry for the manufacture of food products from corn and potatoes. Kons. i ov. prom. 1 no. 7:1-3 Jl '63.

Development and speeding-up of the technological progress in the food industry. Masl.-zhir. prom 29 no. 7:1-3 Jl '63.

Vasil'ev, S. S. [Economics of public food service] Ekonomika obshchestvennogo pitaniia. Moskva, Gos. izd-vo torg. lit-ry, 1963. 430 p.

FOOD INDUSTRY—COSTS

Calculating the cost of production in public dining food processing enterprises. A. Zykov. Bukhg. uchet 29 no. 8:20-23 Ag '63.

FOOD INDUSTRY—HYGIENIC ASPECTS

[Manual on labor protection, safety engineering and industrial sanitation in the food industry, collection of resolutions, regulations and norms. In three volumes] Spravochnik po okhrane truda, tekhnike bezopasnosti i proizvodstvennoi sanitarii v pishchevoi promyshlennosti sbornik postanovlenii, pravil i norm. V trekh tomakh. Moskva, Pishchepromizdat.
Vol. 1 1963. 569 p.

FOOD INDUSTRY—SAFETY MEASURES

[Manual on labor protection, safety engineering and industrial sanitation in the food industry; collection of resolutions, regulations and norms. In three volumes] Spravochnik po okhrane truda, tekhnike bezopasnosti i proizvodstvennoi sanitarii v pishchevoi promyshlennosti sbornik postanovlenii, pravil i norm. V trekh tomakh. Moskva, Pishchepromizdat.
Vol. 1. 1963. 569 p.

FOOD INDUSTRY—STUDY AND TEACHING

Gorfunkel', I. I. [Manual for laboratory and practical work in the commercial study of food merchandise; fish and fish products] Rukovodstvo k laboratornym i prakticheskim rabotam po tovarovedeniiu prodovol'stvennykh tovarov, ryba i rybnye tovary Moskva, Gostorgizdat, 1963 70 p

FOOD INDUSTRY—TECHNOLOGICAL INNOVATIONS

Inventions in the field of the food industry. Khleb. i kond. prom. 7 no. 8:47 Ag '63.

FOOD MACHINERY
(see also subdivision under Kharkov)

How he became a private undertaker. N. Krinkova. Izobr. i rats. no. 7:23-24 '63.

FOOD MACHINERY—TESTING

Standardization of measurement units for evaluating the operative efficiency of equipment. S. Kh. Kertmann. Khleb. i kond. prom. 7 no. 8:25-30 Ag '63.

FOOD POISONING

Alimentary toxinfection caused by Escherichia coli V. N. Kotsarev, L. V. Khlopitskii. Voen.-med. zhur. no. 8:51-55 '63.

FOOD RESEARCH—CONGRESSES

First International Congress on research work and technology in the field of food products. V. E. Sokolova. Kons. i ov. prom. 18 no. 9:12-16 S '63.

FOOT-AND-MOUTH DISEASE

Rapid method for the adaptation of foot-and-mouth disease virus to guinea pigs. E. A. Dobyleva. Trudy VNIIVS 14:73-76 '59.

FORAMINIFERA, FOSSIL see subdivision under Donets Basin; Ili Depression; Tyumen' Province; Ukraine; West Siberian Plain; Yenisey Valley

FOREARM—FRACTURE

Fractures of the lower segment of the bones of the forearm. E. G. Ornshtein. Zdravookhranenie 6 no. 1:50-51 Ja-F '63.

FOREIGN BODIES (SURGERY)

Cutaneous foreign body locator with a marker. V. I. Stratonovich. Voen.-med. zhur. no. 8:87 '62.

FOREIGN EXCHANGE

Brief information on foreign exchange and banks abroad. Den. i kred. 21 no. 8:85-88 Ag '63.

FORENSIC BALLISTICS

Criminological and medicolegal characteristics of air pistols and rifles. I.V Makarov, B.S Kasatkin. Vop. krim no 6/7 176-188 '62.

Fatal gunshot. P Bochilo, V Krasushkin Sots zakon 10 no 7 46-47 Jl '63

FORENSIC PSYCHIATRY

Committing a suspect or a person charged with an offense to a hospital for medical examination I Petrukhin Sots zakon 10 no 6 58-61 Je '63

A useful work on forensic psychiatry. A.I. Vinberg. Vop.krim no. 6/7 273-276 '62.

FOREST ECOLOGY

(see also subdivision under Bol'shaya Dmitrovka region)

Water balance of herbaceous summer plants in oak forests [with summary in English] T K Goryshina, V.IA. Smirnova, Ti Chan-tszin' [Ti Ch'ang-chun]. Vest. LGU 18 no. 15 29-37 '63.

FOREST FIRES—PREVENTION AND CONTROL

(see also subdivision under Barnaul region, Kirov Province)

Jumping into fire I Titova. Izobr i rats. no. 7 35-36 '63

Letters to the editor. Les. khoz. 16 no 5 79-80 My '63

Pay attention to the protection of cutover areas from forest fires. V. F. Kibler, S.S. Toporkov Les. khoz. 16 no 5 43-44 My '63.

Protective equipment for fire fighting parachutists. B S Khibarin, M.G Chervonnyi. Les khoz 16 no. 2 53-55 F '63.

FOREST INFLUENCES

Changes in the agrometeorological conditions under the effect of shelterbelts. L.A. Razumov. Trudy TSIP no. 131 64-100 '63.

Ionization of the air in a forest of the Kiev suburban resort zone. Report No. 1. E.S. Lakhno, O.N. Nichkevich, A.N. Sverchkov. Vop. kur. fizioter. i lech. fiz kul't. 28 no 2 123-126 Mr-Ap '63.

Ionization of the air in the forests of the Kiev suburban resort zone. Report No. 2. A.N. Sverchkov, E.S. Lakhno Vop. kur. fizioter. i lech. fiz. kul't 28 no. 2 126-130 Mr-Ap '63.

FOREST INSECTS see subdivision under Soviet Central Asia

FOREST INSECTS—BIOLOGICAL CONTROL

Biological methods in forest protection. Les. khoz. 16 no. 5 47 Je '63.

FOREST INSECTS—EXTERMINATION

(see also subdivision under Ukraine)

Pests of hardwood plantations and their control; review of articles. Les. khoz 16 no. 5 49-52 My '63

FOREST MANAGEMENT

(see also subdivision under Caucasus, Northern; Central Chernozem region; Irkutsk Province; Kachkov region; Kirov Province, Mari A.S.S.R.; Novosibirsk Province, Orekhovo-Zuyevo District; Siberia)

Care for young forest growths is a concern of all forest workers Les. khoz. 16 no. 2 2-4 F '63.

Improving the productivity and preservation of forests. I.S. Melekhova. Les. khoz. 16 no. 6 5-11 Je '63.

Increasing the forest production is the most important task Les khoz. 16 no. 5 2-3 My '63.

Increasing the productiveness of forests in the central belt of the European U.S.S.R. V.G. Nesterov. Dokl. TSKHA no. 62 439-444 '61.

New apparatus for office work. IU.S. Apostolov, E.S. Sheinkam. Les. khoz. 16 no. 6 73-74 Je '63.

Planning forest management in a combined enterprise. V.L. Dzhkovich. Les. khoz 16 no. 5 53-56 My '63.

Raise forestry to a higher level! G.M. Orlov. Les. khoz. 16 no. 6 2-4 Je '63.

Strip method for gradual cuttings. I.I. Stanislav. Les. khoz. 16 no. 2 5-8 F '63.

Studies on forest management. A.V. Tiurin. Les. khoz. 16 no. 6 86-91 Je '63.

Urgent problems in game and forest management. A.A. Kozlovskii. Les. khoz. 16 no. 5 57-60 My '63.

Work results and new tasks of the foresters of the Russian Federation Les. khoz. 16 no. 5 4-6 My '63.

FOREST MANAGEMENT—BIBLIOGRAPHY see Bibliography—Forest management

FOREST MANAGEMENT—CONGRESSES

Decision of the conference on the improvement of the productivity and preservation of forests. Les. khoz. 16 no. 6 11-13 Je '63.

FOREST NURSERIES

(see also subdivision under Moscow Province; Yukhnov region)

Herbicides for forest nurseries. IA. M. Velichko, L.M. Kozlova. Zashch. rast ot vred. i bol. 8 no. 7 27 Jl '63.

Plow with a spring-tooth harrow for intertillage in forest nurseries. A. Kh. Arslanov. Les. khoz. 16 no. 5 65 My '63.

FOREST NURSERIES—FERTILIZERS AND MANURES see subdivision under Ukraine

FOREST PROTECTION—CONGRESSES

Second Intercollege Conference on Forest Protection. A.I. Vorontsov, E.G. Mozolevskaia. Les. khoz. 16 no. 6 45-46 Je '63.

FOREST REPRODUCTION

(see also subdivision under Lenkoran Lowland)

Prokop'ev, M.N. [The young spruce growth and its use in reforestation] Podrost eli i ego ispol'zovanie dlia vosstanovleniia lesa. Moskva, Goslesbumizdat, 1963 64 p.

(DNAL)

FOREST SOILS

(see also subdivision under Kamchatka)

Seasonal changes in the microflora of forest soils in the vicinity of Moscow. T.P. Suptun. Nauch dokl vys shkoly, biol. nauki no. 3 93-103 '63.

FOREST SURVEYS

Collective farm forests. A.I. Mukhin. Les. khoz. 16 no 6 56-60 Je '63.

Forest resources of the U.S.S.R. A.D Ponomarev. Les. khoz. 16 no. 6 48-55 Je '63.

Forest resources of the U.S.S.R. evaluated on the basis of the indices of world forestry statistics. P.V. Vasil'ev. Les. khoz. 16 no. 6 60-67 Je '63

Time for aerial photographic surveying of forests in various areas of the U.S.S.R N.G. Kharin. Trudy Inst. lesa i drev. 66 43-50 '63.

FOREST WORKERS—EDUCATION AND TRAINING

Let's improve the training of machine operators for forest industries. L Nikitin, E. Sedykh. Prof.-tekh. obr. 20 no. 8 27 Ag '63.

FORESTRY RESEARCH

Applying the ideas and methods of cybernetics to biology and forestry. V.D. Aleksandrova. Les. khoz. 16 no. 5 16-21 My '63.

FORESTS AND FORESTRY

(see also subdivision under Black Sea region; Cuba; Estonia; Ivano Franko District; Karelia; Kola Peninsula; Krasilov region; Siberia; Soviet Far East; Tula Province)

Alferov, L.A. [Life of the forest] Zhizn' lesa. Pod nauchnoi red N.P. Anuchina Moskva, Izd-vo "Znanie," 1963. 30 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no. 14)

Book reviews and bibliography. Les. khoz. 16 no. 5 80-85 My '63.

Book reviews and bibliography. Les. khoz. 16 no. 6 92-94 Je '63.

Brief information. Les. khoz. 16 no. 5 66-68 My '63.

Brief news. Les. khoz. 16 no. 2 92-93 F '63.

Brief news. Les. khoz. 16 no. 6 95-96 Je '63.

Brief news and information. Les. khoz. 16 no. 5 94-96 My '63.

Exchange of experience. Les. khoz. 16 no. 6 78-83 Je '63.

[Forestry and forest management] Ref. zhur.: Lesoved. i lesovod. no. 10 O '63.

Our consultations. Les. khoz. 16 no. 5 85 My '63.

FORESTS AND FORESTRY—BIBLIOGRAPHY see Bibliography—Forests and forestry

FORESTS AND FORESTRY—CONGRESSES

"Modern problems in forest management and forest industries in foreign countries" by V.A. Bazhenov and others. Reviewed by B.M. Perepechin Les. khoz. 16 no. 2 86-87 F '63.

FORESTS AND FORESTRY—ECONOMIC ASPECTS see subdivision under Maritime Territory; Siberia

FORESTS AND FORESTRY—EQUIPMENT AND SUPPLIES

Make timely and draw up correctly orders for machines and tools. P.F. Fedorov. Les. khoz. 16 no. 2 94-96 F '63.

FORESTS AND FORESTRY—VALUATION

(see also subdivision under Siberia)

Characteristics of the valuation of stands in relation to the types of age structure. I.V. Semechkin. Trudy Inst. lesa i drev. 66 3-18 '63.

Investigating the growth of Korean pine by means of the equation of the unitary line of correlation. I.I. Kotliarov. Les. khoz. 16 no. 6 14-16 Je '63.

Letters to the editor. Les. khoz. 16 no. 5 79-80 My '63.

Methods for calculating the average height of stands. B. Labaznikov. Les. khoz. 16 no. 6 25-26 Je '63.

Role of the side surface of stands in determining current annual increment. D.D. Liubich, V.V. Stepin. Les. khoz. 16 no. 2 18-21 F '63.

FORESTS ECOLOGY see subdivision under Tsimlyansk Reservoir region

FORGE SHOPS—DESIGN AND CONSTRUCTION

Designing plants for mass and large-batch production of forgings. A.M. Mansurov. Kuz.-shtam. proizv. 5 no. 8 2-6 Ag '63.

FORGE SHOPS—EQUIPMENT AND SUPPLIES

Conveying machinery in forge shops. IU.A. Zhuravlev. Kuz.-shtam. proizv. 5 no. 8 45-46 Ag '63.

Heat transfer in the working area of a regenerative furnace for nonoxidizing heating. V.P. Nikiforov, V.A. Kuzedov. Kuz.-shtam. proizv. 5 no. 7 26-30 Jl '63.

Mechanical arms for 4000-ton presses. V.V. Berezko, N.V. Duzhenkova. Kuz.-shtam. proizv. 5 no. 7 37-39 Jl '63

FORGING

Analysis of the technological and economic indices of gear wheel forging with finishing of the gear rim. V.A. Krokha, O.V. Protopopov, A.M. Bakhovkin. Kuz.-shtam. proizv. 5 no. 7 31-35 Jl '63.

Analysis of thermal processes in swages during drop forging [with summary in English]. B.E. Tsukhtsinskii, IA.F. Rutner Inzh.-fiz. zhur. 6 no. 7 113-120 Jl '63.

Barrel shape forming during the upsetting of hollow blanks. M.IU. Shifrin, A.R. Pimenov Kuz.-shtam. proizv. 5 no. 7 13-16 Jl '63.

Bilateral reduction of stepped shaft billets. IU.I. Filimonov, G.P. Mikhailenko. Kuz.-shtam. proizv. 5 no. 8 7-11 Ag '63.

Calculating the performance of electric drives on power presses operating with multiple-impression dies N.N. Vasil'ev. [Nauch. trudy] ENIKMASha 6 47-51 '63.

Experience in and ways of introducing rotary swaging for further forging. L.N. Nikol'skii and others. Kuz.-shtam. proizv. 5 no. 8 15-18 Ag '63.

[Handbook for the metalworker in five volumes] Spravochnik metallista v piati tomakh. Glav. red. N.S. Acheikan. Moskva, Mashgiz.

Vol. 4 Pod red. A.N. Malova. 1959. 778 p.

High-speed motion-picture photography in investigating processes and equipment for forging and die stamping. IU.A. Miropol'skii, N.S. Varlamov. Kuz.-shtam. proizv. 5 no. 5 43-47 My '63.

Piercing rectangular ingots in a round container M.IU. Shifrin, A.R. Pimenov. Kuz.-shtam. proizv. 5 no. 8 11-15 Ag '63.

Selecting an optimum rigidity of coining presses. V.N. Kunakovskii, S.T. Buskakov. [Nauch trudy] ENIKMASha 6 22-32 '63.

Semiautomatic control of the dinking and cropping of self-centering nut slots. B.L. Smolenskii, M.A. Rokhlenko. Kuz.-shtam. proizv. 5 no. 7 40-41 Jl '63.

Some examples in the use of progressive mechanisms M.L. Borinskii. Kuz.-shtam. proizv. 5 no. 7 38-40 Jl '63.

Special operating features of the electric drive for rotating the manipulator of a free forge. IU.N. Nazimov, N.I. Shenko Vest. elektroprom 34 no 8 16-19 Ag '63

Technological variant of disk forging from ingots of elongated shape. I.G. Generalov. Kuz.-shtam. proizv. 5 no. 7 8-12 Jl '63.

FORGING—CONGRESSES

Scientific technological conference "Progressive methods of metal heating before forging and die stamping and the efficient design of heating arrangements." V.N. Glushkov. Kuz.-shtam. proizv. 5 no. 8 18, 3 of cover Ag '63.

Seminar on press forging. B.P. Elpidin. Kuz.-shtam. proizv. 5 no. 8 47-48 Ag '63.

FORGING—EQUIPMENT AND SUPPLIES see subdivision under United States

FORGING MACHINERY

Control mechanism for steam- or air-lift drop forging hammers. I.V. Kononov, V.M. Shneiberg. [Nauch trudy] ENIKMASha 6 118-128 '63.

Mechanisms for shifting billets in 12VA-6, 12VA-10, 12VA-12 cold headers. V.A. Bolinev. Kuz.-shtam. proizv. 5 no. 8 43-44 Ag '63.

Modern multiposition upsetters and means of their efficient use. I.D. Trofimov. Kuz.-shtam. proizv. 5 no. 8 24-29 Ag '63.

New design of the transfer mechanism on automatic nut-upsetters. IU.A. Miropol'skii, A.P. Vorob'ev [Nauch. trudy] ENIKMASha 6 52-59 '63.

Press for the semiautomatic upsetting of bolt heads. A.N. Gusev, S.S. Zarubin, I.I. Bogdanov. Kuz.-shtam. proizv. 5 no. 5 32-36 My '63.

Technological use of multiple-stage automatic presses for cold upsetting. G.A. Navrotskii. Kuz.-shtam. proizv. 5 no. 7 1-6 Jl '63.

V-belt instead of cast iron rings. V.V. Kutyrin. Kuz.-shtam. proizv. 5 no. 5 49 My '63.

FORGING MACHINERY—DESIGN AND CONSTRUCTION

High-strength cast iron crankshafts for forging machines and power presses. A. F. Astashov. [Nauch. trudy] ENIKMASha 6 168-186 '63.

FORGING MACHINERY—ELECTRIC DRIVING

Flexible linkage in the system motor - flywheel and its effect on the performance of electric driving. I.A. Remikh. [Nauch. trudy] ENIKMASha 6 187-200 '63.

Using a template for the calculation of electric drives for crank presses with a nonlinear mechanical characteristic of the electric motor. I.A. Remikh. [Nauch. trudy] ENIKMASha 6 201-206 '63.

FORGING MACHINERY—MAINTENANCE AND REPAIR
Analyzing the durability of forging hammer rods. I.IA. Levitin. Kuz.-shtam. proizv. 5 no.7 18-21 Jl '63.

FORGING MACHINERY—TESTING
Experimental determination of forces acting on the protective plates of A413 and A411 automatic cold headers. S.F. Chukmasov, V.I. Litvishkov. Kuz.-shtam. proizv. 5 no.8 31-32 Ag '63.

FORGING MACHINERY—VIBRATION
Determining the parameters of hammer oscillations on a vibrationproof foundation. E.A. Azriliant. [Nauch trudy] PNIIMASha 6.129-134 '63.
Methods of calculating vibrationproof foundations under hammers. L.A. Azriliant. [Nauch trudy] PNIIMASha 6.135-140 '63.

FORK LIFT TRUCKS see subdivision under Great Britain

FORK LIFT TRUCKS—HYDRAULIC DRIVE
Modernizing the hydraulic oil pump drive on 4000M and 4003 fork lift trucks. V. Pokras, V. Shif, A. Retman. Mor. flot 23 no. 6 14-15 Je '63.

FORMALDEHYDE
Corrosion of steels in mixtures of sulfuric acid with formaldehyde. A.I. Labutin, L.P. Malishina. Khim. mashinostr. no. 4:28-29 Jl-Ag '63.
A maser operating on a beam of formaldehyde molecules in the 4-mm band [with summary in English]. A.F. Krupnov, V.A. Skvortsov. Izv. vys. ucheb. zav.; radiofiz. 6 no.3:513-517 '63.
Preparation and study of products based on the water-soluble condensates of acetone with formaldehyde. N.I. Borodkina, S.S. Fiolov, G.N. Mol'kova. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no.2:299-304 '63.
Synthesis of bromo derivatives of nitroformaldehyde of aryl hydrazone. L.S. Pupko, G.A. Lanchuk, A.I. Dychenko. Ukr. khim. zhur. 29 no.6 610-612 '63.
Thermal and thermal oxidation degradation of polyformaldehyde. Part 1 Order of the thermal degradation reaction [with summary in English]. L.A. Dudina, N.S. Enikolopian. Vysokom. soed. 5 no.6:861-867 Je '63.
Thermal and thermal oxidative degradation of polyformaldehyde. Part 3 Chain transfer reaction in the thermal oxidative degradation [with summary in English]. L.A. Dudina, N.S. Enikolopian. Vysokom. soed. 5 no.8 1135-1139 Ag '63.
Thermal and thermal oxidative degradation of polyformaldehyde. Part 4 Kinetics of thermal oxidative degradation [with summary in English]. L.A. Dubina, L.V. Karmileva, N.S. Enikolopian. Vysokom. soed. 5 no.8:1160-1164 Ag '63.
Thermal and thermal oxidative degradation of polyformaldehyde. Part 5 Role of formic acid in thermal oxidative degradation [with summary in English]. L.A. Dudina and others. Vysokom. soed. 5 no.8:1245-1249 Ag '63.

FORMIC ACID
Thermal and thermal oxidative degradation of polyformaldehyde. Part 5. Role of formic acid in thermal oxidative degradation [with summary in English]. L.A. Dudina and others. Vysokom. soed. 5 no.8:1245-1249 Ag '63.

FORMS, QUADRATIC
Approximate integration of functions having logarithmic singularities. V.I. Krylov, A.A. Pal'tsev. Vestsi AN BSSR, Ser. fiz.-tekh. nav. no.1:13-18 '62.
Chebyshev type quadratic forms for periodic functions. N.P. Kedo. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no.1: 19-23 '62.
Positive quadratic forms representing the same numbers. V.N. Timofeev. Usp. mat. nauk 18 no.1:191-193 Jl-Ag '63.

FORSTERITE
Effect of technological factors on the compaction of raw forsterite materials. S.I. Shcheglov, V.D. Zaikina. Ogneupory 28 no.7:323-327 '63.

FORTIFICATION, PRIMITIVE see subdivision under Pamirs

FOUNDATIONS
Determining the carrying capacity of foundation bases of industrial, civilian and hydrotechnical structures. M.F. Makarochkin. Sbor. nauch. trud. Bel. politekh. inst. no.66:208-220 '57.
New method of determining the force of lateral attrition in soils. G.M. Petrenko. Transp. stroi. 13 no.8:57-59 Je '63.
Precast pile foundations for electrification installations. G.M. Kirzhakov, A.A. Orel. Transp. stroi. 13 no.6: 9-12 Je '63.
Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.
Pt.3, Sec.B, ch.6. [Foundations and supports of piling and shells, pile walls; regulations for production and acceptance of work] Fundamenty i opory iz svai i obolochek, shpuntovye ograzhdeniia; pravila proizvodstva i priemki rabot (SNIP III-B. 6-62). 1963. 36 p.
Pt.3, Sec.B, ch.10. [Construction on sagging soils; regulations for the organization, performance, and acceptance of work] Stroitel'stvo na prosadochnykh gruntakh; pravila organizatsii, proizvodstva i priemki rabot (SNIP III-B.10-62). 1963. 6 p.
Supporting power of cylindrical footings. E.A. Tiulenev. Transp. stroi. 13 no.6 55-56 Je '63.

FOUNDING
Automatic control of proportioning metal charges. V.I. Antonenko. Priborostroenie no.7:15-16 Jl '63.
Technological processes of chill casting of cast-iron parts. Kh. Ambartsumian. Prom. Arm. 6 no.7:29-33 Jl '63.

FOUNDING—TERMINOLOGY
[Terminology of founding in six languages: English, Czech, German, French, Polish, Russian] Slovnik terminov po litelnomu proizvodstvu na 6 iazykakh: angliiskii, cheshskii, nemetskii, frantsuzskii, pol'skii, russkii. Warsaw, Wydawnictwa naukowo-techniczne, [1963] 306 p.

FOUNDRIES—EQUIPMENT AND SUPPLIES
Designing gate systems for steel casting. P.F. Vasil'evskii, D.S. Soskin, Iu.Iu. Golovach. Standartizatsiia 27 no.7:11-16 Jl '63.

FOUNDRY SAND see Sand, Foundry

FOURIER SERIES
Asymptotic properties of positive methods of summation of Fourier series. E.A. Komleva. Uch. zap. MGPI no.188:115-193 '62.
Effective derivation of the best trigonometric approximations [with summary in French]. A.S. Shteinberg. Ukr. mat. zhur. 15 no.2 173-184 '63.
Properties of the sums of some trigonometric series. I.N. Pak. Dokl. AN SSSR 151 no.1:30-41 Jl '63.

FOXES AS CARRIERS OF DISEASE see subdivision under Uzunagach region

FRACTURES
Healing of closed bone fractures in chronic radiation sickness; experimental research. Voen.-med. zhur. no.8:44-46 '62.

FRANCE—ATOMIC WEAPONS
General de Gaulle's "nuclear grandeur." B. Teplinskii. Nov. vrem. 21 no.35:11-13 Ag '63.

FRANCE—COMMUNIST PARTY
Impassionate call to struggle for democracy. A.F. Sherstiuk. Vop. ist. KPSS 7 no.9:120-124 S '63.

FRANCE—DESCRIPTION AND TRAVEL
A guideless trip through France. Borys Ufimtsev. Ukraina no.14.8 Jl '63.
Poltorats'kyi, O.I. [From east to west; travel impressions. Czechoslovakia, Democratic Germany, France] Zi skhodu na zakhid, podorozhni vrazhennia: Chekhoslovachchyna, Demokratychna Nimechchyna, Frantsiia. Kyiv, Radians'kyi pys'mennyk, 1950. 169 p. (WaU)

FRANCE—FISH CULTURE—EQUIPMENT AND SUPPLIES
Vibert's hatching device. Zh. A. Cherniaev. Ryb. khoz. 39 no.8,90-91 '63.

FRANCE—FOREIGN RELATIONS—RUSSIA
Soviet relations with France in 1933-1936. Iu.V. Borisov. Vop. ist. 38 no.8:161-176 Ag '63.

FRANCE—MOTION-PICTURE CAMERAS
New portable professional 16 mm motion-picture camera "Eclair" with a noiseless mechanism (France). K. Kostromin. Tekh. kino i telev. 7 no.8:54-56 Ag '63.

FRANCE—POLITICS AND GOVERNMENT
Impassionate call to struggle for democracy. A.F. Sherstiuk. Vop. ist. KPSS 7 no.9:120-124 S '63.

FRANCE—REVOLUTION
"Paris sections in the year II" [in Ge Reviewed by IA.M. Zakher. Vop. ist '63.

FRANCE—SHIPBUILDING
French-built ships. Sudostroenie 29 '63.

FRANCE—SOCIAL CONDITIONS
A guideless trip through France. Bor Ukraina no.14:8 Jl '63.

FRANCE—WAR—ECONOMIC ASPECTS
Military budget of France. A. Markov mezhdunar. otn. no.8:87-88 '63.

FRANCE—WORLD WAR, 1939-1945—U MOVEMENTS
Heroes not of our times. A. Turkov. 278-280 S '62.

FRANZ JOSEF LAND—SEDIMENTATIO TION
Present conditions of sedimentation in Josef Land. L.S. Govorukha. Probl no.13:119-122 '63.

FREE THOUGHT
Source work for the history of Germa at the beginning of the 16th century. Zap. Otd. ruk. no.26:322-343 '62.

FREEDOM OF ASSOCIATION
Concept of the "public-service organization" and the principal characteristics of the freedom of association in the Soviet Union. A.F. Britanskii Sov. gos. i pravo 33 no.9 104-109 S '63.

FREEDOM OF THE SEAS
Siling, A.N. [Violation of the freedom of navigation and fishing on the high seas by imperialist states] Narushenila imperialisticheskimi gosudarstvami svobody moreplavaniia i rybolovstva v otkrytom more. Moskva, Gosizdat, 1963. 42 p.

FREEZE-DRYING
Phytopathologic importance and the use of lyophilic desiccation of biological objects. B.G. Bolotskii. Dokl. TSKHA no.82 177-181 '61.

FREEZING POINTS OF SOLUTIONS see Cryoscopy

FREIGHT AND FREIGHTAGE
Coordination of the transportation work in a large economic region. K.A. Tugengol'd. Zhel. dor. transp. 45 no.7:21-26 Jl '63.
Responsibility for the nonfulfillment of the transportation plan for export and import cargoes. IA. Fridenshtein. Mor. flot 23 no.6:10-11 Je '63.
Tasks concerning the in- and outbound freight handling and storage. V.G. Orlov. Zhel. dor. transp. 45 no.7: 16-20 Jl '63.
Technological progress in the national economy and the efficient utilization of transportation. L.Z. Kats. Zhel. dor. transp. 45 no.6.26-30 Ag '63.
Uniform technology of station and harbor operations. G.M. Golik, A.M. Gorchakov. Zhel. dor. transp. 45 no.9:83-84 S '63.

FREIGHTERS
Investigating the architectural design type of a general purpose dry-cargo ship of 3000-3000-ton deadweight capacity. L.G. Sokolov and others. Trudy TSNIIMF no.45:3-26 '61.

FRENCH LANGUAGE—SPOKEN FRENCH
System of training in oral speech. K.I. Grebanova. Inostr. iaz. v shkole no.3:56-65 My-Je '63.

FRENCH LITERATURE—HISTORY AND CRITICISM
Basic trends of the contemporary French novel. L. Gedymin. Vop. lit. 7 no.7 220-222 Jl '63.

FRENCH MOTION PICTURES see Motion pictures, French

FREQUENCIES OF OSCILLATING SYSTEMS
Spectrum of the fundamental frequencies of a plate with a sharp edge. E.V. Makhover. Uch. zap. Ped. inst. Gertsa, 197:113-118 '58.

FREQUENCY CHANGERS
Conversion of frequency modulated oscillations to amplitude-frequency modulated oscillations using a differentiating device. L.IA. Il'inskii. Izv. vys. ucheb. zav.; radiotekh. 6 no.3:313-315 My-Je '63.

FREQUENCY MEASUREMENTS
Eliminating errors in plotting the frequency characteristics of preamplifiers. A.L. Levin. Tekh. kino i telev. 7 no.6:70-72 Ag '63.

FRESNEL, AUGUSTIN JEAN, 1788-1827
Fresnel's light waves. O.A. Lebedeva. Priroda 52 no.8:93-94 Ag '63.

FRICTION
Akhmatov, A.S. [Molecular physics of boundary friction] Molekuliarnaia fizika granichnogo trenila. Moskva, Fizmatgiz, 1962. 470 p.

FORENSIC BALLISTICS
Criminological and medicolegal characteristics of air pistols and rifles. I.V.Makarov, B.S.Kasatkin. Vop. krim. no.6/7:178-188 '62.
Fatal gunshot P Bochillo, V Kratushkin Sots zakon 40 no 7 48-49 Jl '63

FORENSIC PSYCHIATRY
Committing a suspect or a person charged with an offense to a hospital for medical examination I Petrukhin Sots zakon 40 no 6 58-61 Je '63.
A useful work on forensic psychiatry. A.I. Vinberg. Vop. krim. no.6/7 273-276 '62.

FOREST ECOLOGY
(see also subdivision under Bol'shaya Danilovka region)
Water balance of herbaceous summer plants in oak forests [with summary in English]. T.K. Goryshina, V.IA Smirnova, Ti Chan-tszin' [Pi Ch'ang-chin]. Vest. LGU 18 no. 15 29-37 '63.

FOREST FIRES—PREVENTION AND CONTROL
(see also subdivision under Barnaul region; Kirov Province)
Jumping into fire. I. Titova Izobr. i rats. no. 7:35-36 '63.
Letters to the editor. Les. khoz. 16 no. 5:79-80 My '63
Pay attention to the protection of outover areas from forest fires. V. F. Kibler, S. S. Toporkov Les. khoz 16 no. 5:43-44 My '63
Protective equipment for fire fighting parachutists. B. S. Khibarin, M. G. Chervonnyi. Les. khoz 16 no. 2: 53-55 F '63.

FOREST INFLUENCES
Changes in the agrometeorological conditions under the effect of shelterbelts. L. A. Razumov. Trudy TSIP no. 131:64-100 '63.
Ionization of the air in a forest of the Kiev suburban resort zone. Report No. 1. E. S. Lakhno, O. N. Nichkevich, A. N. Sverchkov. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2 123-126 Mr-Ap '63.
Ionization of the air in the forests of the Kiev suburban resort zone. Report No. 2. A. N. Sverchkov, E. S. Lakhno. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 3 126-130 Mr-Ap '63.

FOREST INSECTS see subdivision under Soviet Central Asia

FOREST INSECTS—BIOLOGICAL CONTROL
Biological methods in forest protection. Les. khoz. 16 no. 6:47 Je '63.

FOREST INSECTS—EXTERMINATION
(see also subdivision under Ukraine)
Pests of hardwood plantations and their control; review of articles. Les. khoz. 16 no 5:49-52 My '63.

FOREST MANAGEMENT
(see also subdivision under Caucasus, Northern; Central Chernozem region; Irkutsk Province; Kachikov region; Kirov Province; Mari A.S.S.R.; Novosibirsk Province; Orekhovo-Zuyevo District; Siberia)
Care for young forest growths is a concern of all forest workers. Les. khoz. 16 no. 2:2-4 F '63.
Improving the productivity and preservation of forests. I.S. Melekhova. Les. khoz. 16 no. 6:3-11 Je '63.
Increasing the forest production is the most important task. Les. khoz. 16 no. 5:2-3 My '63.
Increasing the productiveness of forests in the central belt of the European U.S.S.R. V. G. Nesterov. Dokl. TSKHA no. 62:439-444 '61.
New apparatus for office work. IU. S. Apostolov, E. S. Sheinkam. Les. khoz. 16 no. 6:73-74 Je '63.
Planning forest management in a combined enterprise. V. L. Dzhikovich. Les. khoz. 16 no. 5:53-56 My '63.
Raise forestry to a higher level! G. M. Orlov. Les. khoz. 16 no. 6:2-4 Je '63.
Strip method for gradual cuttings. I. I. Stanislav. Les. khoz. 16 no. 2:5-8 F '63.
Studies on forest management. A. V. Tiurin. Les. khoz. 16 no. 6:86-91 Je '63.
Urgent problems in game and forest management. A. A. Kozlovskii. Les. khoz. 16 no. 5:57-60 My '63.
Work results and new tasks of the foresters of the Russian Federation. Les. khoz. 16 no. 5 4-6 My '63.

FOREST MANAGEMENT—BIBLIOGRAPHY see Bibliography—Forest management

FOREST MANAGEMENT—CONGRESSES
Decision of the conference on the improvement of the productivity and preservation of forests. Les. khoz. 16 no. 6:11-13 Je '63.

FOREST NURSERIES
(see also subdivision under Moscow Province; Yukhnov region)
Herbicides for forest nurseries. IA. M. Velichko, L. M. Kozlova. Zashch. rast ot vred. i bol. 8 no. 7:27 Jl '63.
Plow with a spring-tooth harrow for intertillage in forest nurseries. A. Kh. Arslanov. Les. khoz. 16 no. 5:65 My '63.

FOREST NURSERIES—FERTILIZERS AND MANURES see subdivision under Ukraine

FOREST PROTECTION—CONGRESSES
Second Intercollege Conference on Forest Protection. A. I. Vorontsov, E. G. Mozolevskaia. Les. khoz. 16 no. 6:45-46 Je '63.

FOREST REPRODUCTION
(see also subdivision under Lenkoran Lowland)
Prokop'ev, M. N. [The young spruce growth and its use in reforestation] Podrost eli i ego ispol'zovanie dlia vosstanovleniia lesa. Moskva, Goslesbumizdat, 1963. 64 p
(DNAL)

FOREST SOILS
(see also subdivision under Kamchatka)
Seasonal changes in the microflora of forest soils in the vicinity of Moscow. T. P. Suprun Nauch dokl vys shkoly, biol. nauki no. 3:93-103 '63.

FOREST SURVEYS
Collective farm forests. A. I Mukhin. Les. khoz. 16 no. 6:56-60 Je '63.
Forest resources of the U.S.S.R. A. D. Ponomarev. Les. khoz. 16 no. 6 48-55 Je '63.
Forest resources of the U.S.S.R evaluated on the basis of the indices of world forestry statistics. P. V. Vasil'ev. Les. khoz. 16 no. 6 60-67 Je '63
Time for aerial photographic surveying of forests in various areas of the U.S.S.R. N. G. Kharin. Trudy Inst. lesa i drev. 56:43-50 '63.

FOREST WORKERS—EDUCATION AND TRAINING
Let's improve the training of machine operators for forest industries. I. Nikitin, E. Sedykh. Prof.-tekh. obr. 20 no. 8:27 Ag '63.

FORESTRY RESEARCH
Applying the ideas and methods of cybernetics to biology and forestry. V. D. Aleksandrova. Les. khoz. 16 no. 5:16-21 My '63.

FORESTS AND FORESTRY
(see also subdivision under Black Sea region, Cuba, Estonia; Ivana Franko District; Karelia; Kola Peninsula; Krasilov region; Siberia; Soviet Far East; Tula Province)
Alferov, L. A. [Life of the forest] Zhizn' lesa. Pod nauchnoi red. N. P. Anuchina Moskva, Izd-vo "Znanie," 1963. 30 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no 14)
Book reviews and bibliography. Les. khoz. 16 no. 5: 80-85 My '63.
Book reviews and bibliography. Les. khoz. 16 no. 6:92-94 Je '63.
Brief information. Les. khoz. 16 no. 5:66-68 My '63.
Brief news. Les. khoz. 16 no. 2:92-93 F '63.
Brief news. Les. khoz. 16 no. 6:95-96 Je '63.
Brief news and information. Les. khoz. 16 no. 5:94-96 My '63.
Exchange of experience. Les. khoz. 16 no. 6:79-83 Je '63.
[Forestry and forest management] Ref. zhur.: Lesovod. i lesovod. no. 10 O '63.
Our consultations. Les. khoz. 16 no. 5:85 My '63.

FORESTS AND FORESTRY—BIBLIOGRAPHY see Bibliography—Forests and forestry

FORESTS AND FORESTRY—CONGRESSES
"Modern problems in forest management and forest industries in foreign countries" by V. A. Bazhenov and others. Reviewed by B. M. Perepechin Les. khoz. 16 no. 2:86-87 F '63.

FORESTS AND FORESTRY—ECONOMIC ASPECTS see subdivision under Maritime Territory; Siberia

FORESTS AND FORESTRY—EQUIPMENT AND SUPPLIES
Make timely and draw up correctly orders for machines and tools. P. F. Fedorov. Les. khoz. 16 no. 2:94-96 F '63.

FORESTS AND FORESTRY—VALUATION
(see also subdivision under Siberia)
Characteristics of the valuation of stands in relation to the types of age structure. I. V. Semechkin. Trudy Inst. lesa i drev. 66:3-16 '63.
Investigating the growth of Korean pine by means of the equation of the unitary line of correlation. I. I. Kotliarov. Les. khoz. 16 no. 6:14-16 Je '63.
Letters to the editor. Les. khoz. 16 no. 5:79-80 My '63.
Methods for calculating the average height of stands. B. Labaznikov. Les. khoz. 16 no. 6:25-26 Je '63.
Role of the side surface of stands in determining current annual increment. D. D. Liubich, V. V. Stepin. Les. khoz. 16 no. 2:18-21 F '63.

FORESTS ECOLOGY see subdivision under Tsimlyansk Reservoir region

FORGE SHOPS—DESIGN AND CONSTRUCTION
Designing plants for mass and large-batch production of forgings. A. M. Mansurov. Kuz.-shtam. proizv. 5 no. 8:2-6 Ag '63.

FORGE SHOPS—EQUIPMENT AND SUPPLIES
Conveying machinery in forge shops. IU. A. Zhuravlev. Kuz.-shtam. proizv. 5 no. 8:45-46 Ag '63.
Heat transfer in the working area of a regenerative furnace for nonoxidizing heating. V. P. Nikiforov, V. A. Kuroedov Kuz.-shtam. proizv. 5 no. 7 26-30 Jl '63
Mechanical arms for 4000-ton presses. V. V. Bassein, N. V Dudzhenkova. Kuz.-shtam. proizv. 5 no. 7 37-39 Jl '63

FORGING
Analysis of the technological and economic indices of gear wheel forging with finishing of the gears. V. A. Krokha, O. V. Protopopov, A. M. Bakhovkin Kuz.-shtam. proizv. 5 no. 7.31-35 Jl '63.
Analysis of thermal processes in swages during drop forging (with summary in English). B F. Trakhtenberg IA. F Rutner Inzh.-fiz. zhur 6 no. 7:113-120 Jl '63.
Barrel shape forming during the upsetting of hollow blanks. M IU. Shifrin, A. R. Pimenov Kuz.-shtam. proizv. 5 no. 7.13-15 Jl '63
Bilateral reduction of stepped shaft billets. IU. F. Filimonov, G. P. Mikhailenko. Kuz.-shtam. proizv. 5 no. 8:7-11 Ag '63.
Calculating the performance of electric drives on power presses operating with multiple-impression dies N. N Vasil'ev. [Nauch. trudy] ENIKMASha 6:47-51 '63
Experience in and ways of introducing rotary swaging for further forging. L. N. Nikol'skii and others. Kuz.-shtam. proizv. 5 no. 8 15-18 Ag '63.
[Handbook for the metalworker in five volumes] Spravochnik metallista v piati tomakh. Glav. red N. S. Acheikan. Moskva, Mashgiz.
Vol. 4. Pod red. A. N. Malova. 1959. 778 p.
High-speed motion-picture photography in investigating processes and equipment for forging and die stamping. IU. A. Miropol'skii, N. S. Variamov. Kuz.-shtam. proizv. 5 no. 5:43-47 My '63.
Piercing rectangular ingots in a round container. M. IU. Shifrin, A. R. Pimenov. Kuz.-shtam. proizv. 5 no. 8:11-15 Ag '63.
Selecting an optimum rigidity of coining presses. V. IA Kunakovskii, S T Baskakov [Nauch trudy] ENIKMASha 6:22-32 '63.
Semiautomatic control of the dinking and cogging of self-centering nut slots. B. L. Smolenskii, M. A. Rokhlenko. Kuz.-shtam. proizv. 5 no. 7:40-41 Jl '63.
Some examples in the use of progressive mechanisms M. L. Borinskii. Kuz.-shtam. proizv. 5 no. 7:38-40 Jl '63.
Special operating features of the electric drive for moving the manipulator of a free forge IU. N. Naumenko, N. I. Sirenko. Vest elektroprom. 34 no 8 16-19 Ag '63.
Technological variant of disk forging from ingots of elongated shape. I. G. Generson. Kuz.-shtam. proizv. 5 no. 7.8-12 Jl '63.

FORGING—CONGRESSES
Scientific technological conference "Progressive methods of metal heating before forging and die stamping and the efficient design of heating arrangements." V. N. Glushkov. Kuz.-shtam. proizv. 5 no. 8:48, 3 of cover Ag '63.
Seminar on press forging. B. P. Elpidin. Kuz.-shtam. proizv. 5 no. 8:47-48 Ag '63.

FORGING—EQUIPMENT AND SUPPLIES see subdivision under United States

FORGING MACHINERY
Control mechanism for steam- or air-lift drop forging hammers. I. V. Kononov, V. M. Shneiberg. [Nauch trudy] ENIKMASha 6:118-128 '63.
Mechanisms for shifting billets in 12VA-6, 12VA-10, 12VA-12 cold headers. V. A. Belliaev. Kuz.-shtam. proizv. 5 no. 8.43-44 Ag '63.
Modern multiposition upsetters and means of their efficient use. I. D. Trofimov. Kuz.-shtam. proizv. 5 no. 8:24-29 Ag '63.
New design of the transfer mechanism on automatic multupsetters. IU. A. Miropol'skii, A. P Vorob'ev. [Nauch. trudy] ENIKMASha 6:52-59 '63.
Press for the semiautomatic upsetting of bolt heads. A. N. Gusev, S. S. Zarubin, I. I. Bogdanov. Kuz.-shtam. proizv. 5 no. 5:32-38 My '63.
Technological use of multiple-stage automatic presses for cold upsetting. G. A. Navrotskii. Kuz.-shtam. proizv. 5 no. 7:1-8 Jl '63.
V-belt instead of cast iron rings. V. V. Kutyrin. Kuz.-shtam. proizv. 5 no. 5:40 My '63.

FORGING MACHINERY—DESIGN AND CONSTRUCTION
High-strength cast iron crankshafts for forging machines and power presses. A. F. Astashov. [Nauch. trudy] ENIKMASha 6:168-186 '63.

FORGING MACHINERY—ELECTRIC DRIVING
Flexible linkage in the system motor - flywheel and its effect on the performance of electric driving. I. A. Remikh. [Nauch. trudy] ENIKMASha 6:187-200 '63.
Using a template for the calculation of electric drives for crank presses with a nonlinear mechanical characteristic of the electric motor. I. A. Remikh. [Nauch. trudy] ENIKMASha 6:201-206 '63.

FORGING MACHINERY—MAINTENANCE AND REPAIR

Analyzing the durability of forging hammer rods. I. IA. Levitin. Kuz.-shtam. proizv. 5 no. 7:18-21 Jl '63.

FORGING MACHINERY—TESTING

Experimental determination of forces acting on the protective plates of A413 and A411 automatic cold headers. S. F. Chukmasov, V. I. Litvishkov. Kuz.-shtam. proizv. 5 no. 8:31-32 Ag '63.

FORGING MACHINERY—VIBRATION

Determining the parameters of hammer oscillations on a vibrationproof foundation. G. A. Azriliant. [Nauch. trudy] ENIKMASha 6:129-134 '63

Methods of calculating vibrationproof foundations under hammers. G. A. Azriliant. [Nauch. trudy] ENIKMASha 6:135-140 '63.

FORK LIFT TRUCKS see subdivision under Great Britain

FORK LIFT TRUCKS—HYDRAULIC DRIVE

Modernizing the hydraulic oil pump drive on 4000M and 4003 fork lift trucks. V. Pekras, V. Shif, A. Retman. Mor. flot 24 no. 6:14-15 Je '63.

FORMALDEHYDE

Corrosion of steels in mixtures of sulfuric acid with formaldehyde. A. L. Labutin, L. P. Mal'shina. Khim. mashinostr. no. 1:20-29 Jl-Ag '63.

A maser operating on a beam of formaldehyde molecules in the 1-mm. band [with summary in English]. A. G. Krupnov, V. A. Skvortsov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:513-517 '63.

Preparation and study of products based on the water-soluble condensates of acetone with formaldehyde. N. I. Borodkina, S. S. Frolov, G. N. Mol'kova. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2:299-304 '63.

Synthesis of bromo derivatives of nitroformaldehyde of aryl hydrazone. L. S. Pupko, G. A. Lanchuk, A. I. Dychenko. Ukr. khim. zhur. 29 no. 6:610-612 '63.

Thermal and thermal oxidation degradation of polyformaldehyde. Part 1: Order of the thermal degradation reaction [with summary in English]. L. A. Dudina, N. S. Enikolopian. Vysokom. soed. 5 no. 6:861-867 Je '63.

Thermal and thermal oxidative degradation of polyformaldehyde. Part 3: Chain transfer reaction in the thermal oxidative degradation [with summary in English]. L. A. Dudina, N. S. Enikolopian. Vysokom. soed. 5 no. 8:1135-1139 Ag '63

Thermal and thermal oxidative degradation of polyformaldehyde. Part 4. Kinetics of thermal oxidative degradation [with summary in English]. L. A. Dubina, L. V. Karmilova, N. S. Enikolopian. Vysokom. soed. 5 no. 8:1159-1161 Ag '63.

Thermal and thermal oxidative degradation of polyformaldehyde. Part 5: Role of formic acid in thermal oxidative degradation [with summary in English]. L. A. Dudina and others. Vysokom. soed. 5 no. 8:1245-1249 Ag '63.

FORMIC ACID

Thermal and thermal oxidative degradation of polyformaldehyde. Part 5: Role of formic acid in thermal oxidative degradation [with summary in English]. L. A. Dudina and others. Vysokom. soed. 5 no. 8:1245-1249 Ag '63.

FORMS, QUADRATIC

Approximate integration of functions having logarithmic singularities. V. I. Krylov, A. A. Pal'tsev. Vestsi AN BSSR, Ser. fiz.-tekh. nav. no. 1:13-18 '62.

Chebyshev type quadratic forms for periodic functions. N. P. Korn. Vestsi AN BSSR, Ser. fiz.-tekh. nav. no. 1: 19-23 '62.

Positive quadratic forms representing the same numbers. V. N. Timofeev. Usp. mat. nauk 18 no. 4:191-193 Jl-Ag '63.

FORSTERITE

Effect of technological factors on the compaction of raw forsterite materials. S. I. Shcheglov, V. D. Zaikina. Ogneupory 28 no. 7:323-327 '63.

FORTIFICATION, PRIMITIVE see subdivision under Pamirs

FOUNDATIONS

Determining the carrying capacity of foundation bases of industrial, civilian and hydrotechnical structures. M. F. Makarochkin. Sbor. nauch. trud. Bel. politekh. inst. no. 66:208-220 '57.

New method of determining the force of lateral attrition in soils. G. M. Petrenko. Transp. stroi. 13 no. 6:57-59 Je '63.

Precast pile foundations for electrification installations. G. M. Kirzhakov, A. A. Orel. Transp. stroi. 13 no. 6: 9-12 Je '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. 3. Sec. B. ch. 6. [Foundations and supports of piling and shells, pile walls; regulations for production and acceptance of work] Fundamenty i opory iz svai i obolochek, shpuntovye ograzhdeniia; pravila proizvodstva i priemki rabot (SNiP III-B. 6-62). 1963. 36 p.

Pt. 3. Sec. B. ch. 10. [Construction on sagging soils; regulations for the organization, performance, and acceptance of work] Stroitel'stvo na prosadochnykh gruntakh; pravila organizatsii, proizvodstva i priemki rabot (SNiP III-B. 10-62). 1963. 6 p.

Supporting power of cylindrical footings. E. A. Tiulenev. Transp. stroi. 13 no. 6 55-56 Je '63.

FOUNDING

Automatic control of proportioning metal charges. V. T. Antonenko. Priborostroenie no. 7:15-16 Jl '63

Technological processes of chill casting of cast-iron parts. Kh. Ambartsumian. Prom. Arm. 6 no. 7 29-33 Jl '63

FOUNDING—TERMINOLOGY

[Terminology of founding in six languages: English, Czech, German, French, Polish, Russian] Sbornik terminov po liteinomu proizvodstvu na 6 iazykakh: angliiskii, cheshskii, nemetskii, frantsuzskii, pol'skii, russkii. Warsaw, Wydawnictwa naukowo-techniczne, [1963] 306 p.

FOUNDRIES—EQUIPMENT AND SUPPLIES

Designing gate systems for steel casting. P. F. Vasil'evskii, D. S. Soskin, IU. IU. Golovach. Standartizatsiia 27 no. 7:11-16 Jl '63.

FOUNDRY SAND see Sand, Foundry

FOURIER SERIES

Asymptotic properties of positive methods of summation of Fourier series. E. A. Komleva. Uch. zap. MGPI no. 188 115-123 '62.

Effective derivation of the best trigonometric approximations [with summary in French]. A. S. Shteinberg. Ukr. mat. zhur. 15 no. 2 173-181 '63

Properties of the sums of some trigonometric series. I. N. Pak. Dokl. AN SSSR 151 no. 1:38-41 Jl '63.

FOXES AS CARRIERS OF DISEASE see subdivision under Uzunagach region

FRACTURES

Healing of closed bone fractures in chronic radiation sickness; experimental research. Voen.-med. zhur. no. 8:44-46 '62.

FRANCE—ATOMIC WEAPONS

General de Gaulle's "nuclear grandeur." B. Teplinskii. Nov. vrem. 21 no. 35:11-13 Ag '63.

FRANCE—COMMUNIST PARTY

Impassionate call to struggle for democracy. A. F. Sherstiuk. Vop. ist. KPSS 7 no. 9:120-124 S '63

FRANCE—DESCRIPTION AND TRAVEL

A guideless trip through France. Borys Ufimtsev. Ukraina no. 14:8 Jl '63.

Poltorats'kyi, O. I. [From east to west; travel impressions: Czechoslovakia, Democratic Germany, France] Zi skhodu na zakhid; podoroznii vrazhennia: Chekhoslovachchyna, Demokratychna Nimechchyna, Frantsiia. Kyiv, Radians'kyi pys'mennyk, 1959. 169 p. (WaU)

FRANCE—FISH CULTURE—EQUIPMENT AND SUPPLIES

Viberi's hatching device. Zh. A. Cherniaev. Ryb. khoz. 39 no. 8:80-81 '63.

FRANCE—FOREIGN RELATIONS—RUSSIA

Soviet relations with France in 1933-1939. IU. V. Borisov. Vop. ist. 38 no. 8:161-178 Ag '63.

FRANCE—MOTION-PICTURE CAMERAS

New portable professional 16 mm motion-picture camera "Eclair" with a noiseless mechanism (France). K. Kostromin. Tekh. kino i telev. 7 no. 8:54-56 Ag '63.

FRANCE—POLITICS AND GOVERNMENT

Impassionate call to struggle for democracy. A. F. Sherstiuk. Vop. ist. KPSS 7 no. 9:120-124 S '63.

FRANCE—REVOLUTION

"Paris sections in the year II" [in German] by A. Soboul. Reviewed by IA. M. Zakher. Vop. ist. 38 no. 8:178 Ag '63.

FRANCE—SHIPBUILDING

French-built ships. Sudostroenie 29 no. 7:75-76 Jl '63.

FRANCE—SOCIAL CONDITIONS

A guideless trip through France. Borys Ufimtsev. Ukraina no. 14:8 Jl '63.

FRANCE—WAR—ECONOMIC ASPECTS

Military budget of France. A. Markov. Mir. ekon. i mezhdunar. otn. no. 8:87-88 '63.

FRANCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Heroes not of our times. A. Turkov. Nov. mir 38 no. 9: 278-280 S '62.

FRANZ JOSEF LAND—SEDIMENTATION AND DEPOSITION

Present conditions of sedimentation in lakes of Franz Josef Land. L. S. Govorukha. Probl. Arkt. i Antarkt. no. 13:119-122 '63.

FREE THOUGHT

Source work for the history of German free thought at the beginning of the 18th century. K. A. Maikova. Zap. Otd. ruk. no. 25:322-343 '62.

FREEDOM OF ASSOCIATION

Concept of the "public-service organization" and the principal characteristics of the freedom of association in the Soviet Union. A. F. Briantskii. Sov. gos. i pravo 33 no. 9:104-109 S '63.

FREEDOM OF THE SEAS

Siling, A. N. [Violation of the freedom of navigation and fishing on the high seas by imperialist states] Narushenita imperialisticheskimi gosudarstvami svobody moreplavaniia i rybolovstva v otkrytom more. Moskva, Gosizdat, 1963. 42 p.

FREEZE-DRYING

Phytopathologic importance and the use of lyophilic desiccation of biological objects. B. G. Boiarskii. Dokl. TSKHA no. 82 177-184 '61.

FREEZING POINTS OF SOLUTIONS see Cryoscopy

FREIGHT AND FREIGHTAGE

Coordination of the transportation work in a large economic region. K. A. Tugengol'd. Zhel. dor. transp. 45 no. 7 21-26 Jl '63.

Responsibility for the nonfulfillment of the transportation plan for export and import cargoes. IA. Fridenshtein. Mor. flot 23 no. 6:10-11 Je '63

Tasks concerning the in- and outbound freight handling and storage. V. G. Orlov. Zhel. dor. transp. 45 no. 7: 16-20 Jl '63.

Technological progress in the national economy and the efficient utilization of transportation. L. Z. Kats. Zhel. dor. transp. 45 no. 8 26-30 Ag '63.

Uniform technology of station and harbor operations. G. M. Golik, A. M. Gorchakov. Zhel. dor. transp. 45 no. 9:83-84 S '63.

FREIGHTERS

Investigating the architectural design type of a general purpose dry-cargo ship of 3000-4000-ton deadweight capacity. L. G. Sokolov and others. Trudy TSNIIMF no. 45 3-26 '63.

FRENCH LANGUAGE—SPOKEN FRENCH

System of training in oral speech. K. I. Gribanova. Inostr. iaz. v shkole no. 3:55-65 My-Je '63

FRENCH LITERATURE—HISTORY AND CRITICISM

Basic trends of the contemporary French novel. L. Gedymin. Vop. lit. 7 no. 7 220-222 Jl '63.

FRENCH MOTION PICTURES see Motion pictures, French

FREQUENCIES OF OSCILLATING SYSTEMS

Spectrum of the fundamental frequencies of a plate with a sharp edge. E. V. Makhover. Uch. zap. Ped. inst. Gerts. 197.113-118 '58.

FREQUENCY CHANGERS

Conversion of frequency modulated oscillations to amplitude-frequency modulated oscillations using a differentiating device. L. IA. Il'nitskii. Izv. vys. ucheb. zav.; radiotekh. 6 no. 3:313-315 My-Je '63.

FREQUENCY MEASUREMENTS

Eliminating errors in plotting the frequency characteristics of preamplifiers. A. L. Lovin. Tekh. kino i telev. 7 no. 8:70-72 Ag '63.

FRESNEL, AUGUSTIN JEAN, 1788-1827

Fresnel's light waves. O. A. Lezhneva. Priroda 52 no. 8:82-84 Ag '63.

FRICTION

Akhmatov, A. S. [Molecular physics of boundary friction] Molekuliarnaia fizika granichnogo trenita. Moskva, Fizmatgiz, 1962. 472 p.

Determining the frictional force in the movement of drilling pipes in deep slightly deflected holes. M. M. Aleksandrov. Razved. i okh. nedr 29 no. 7:32-37 Jl '63.

Kolchin, N. I. [Mechanical engineering] Mekhanika mashin. Moskva, Mashgiz.

Vol. 2. [Kinetostatics and dynamics of machines. Friction in machines] Kinetostatika i dinamika mashin. Trenie v mashinakh. Izd. 2., perer. 1963. 534 p.

FRICTION MATERIALS

Antifriction materials containing polytetrafluoroethylene. A. P. Semenov. Mashinostroitel' no. 7:16-17 Jl '63.

FRIDMAN, ALEKSANDR ALEKSANDROVICH, 1888-1925

A. A. Fridman's theory of the expanding universe. IA. B. Zel'dovich. Usp. fiz. nauk 80 no. 3:357-390 Jl '63.

A. A. Fridman's works on Einstein's theory of gravitation. V. A. Fok. Usp. fiz. nauk 80 no. 3:363-368 Jl '63.

In memory of A. A. Fridman; on the 75th anniversary of his birth. P. IA. Polubarinova-Kochina. Usp. fiz. nauk 80 no. 3:345-352 Jl '63.

FRIDMAN, MAKSIM EFIMOVICH, 1903-

Professor Surgeon M. E. Fridman. M. M. Mamakeev. Sov. zdrav. Kir. no. 3:3-4 of cover My-Je '63

FRIT FLIES

Materials on the study of causes of the negative effect of low temperatures above freezing point on the germination of corn seeds and the protective reaction of sprouts to the loss of the leaf surface. K. I. Popov. Trudy Kaz. SKHI no. 43:45-59 '61.

FRIT FLIES—EXTERMINATION

Mosquito D. Snegirev's book. I. F. Pavlov. Zashch. rast. ot vred. i bol. 8 no. 7:62 Jl '63.

FRONTAL SINUS—TUMORS

Osteoma of the frontal sinus. V. N. Usoltsev. Vest. otorin. no. 1:92-93 '63.

FROST PROTECTION see subdivision under Ukraine

FROST RESISTANCE CONCRETE

Effect of the composition of concrete on its resistance to frost. O. V. Kuntsevich, P. E. Aleksandrov. Shor. trud. LIIZHT no. 192:91-109 '62.

FROSTBITE

Effect of frostbite on the regeneration of the peripheral nerves (with summary in English). A. R. Vinnatskii. Vrach. delo no. 8:50-55 Ag '63.

FROZEN FOOD see Food, Frozen

FROZEN GROUND

Akademiia nauk SSSR. Institut merzlotovedeniia. [Permanently frozen rocks in various regions of the U. S. S. R.] Mnogoletnemerzlye gornye porody razlichnykh rajonov SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 238 p.

Development of the process of thawing and compacting permafrost before building. V. F. Zhukov, N. I. Frolov [Trudy] NII osn. no. 50:72-79 '62.

Effect of slit furrowing on the water absorption by frozen soil [with summary in English]. V. P. Volkov. Pochvovedenie no. 8:94-100 Ag '63.

Electric method of thawing and compacting permafrost foundation soil before building. B. P. Gorbunov, L. I. Kurdenkov. [Trudy] NII osn. no. 50:53-71 '62.

FRUIT

Advice on family affairs and in home economics. Belarus' 20 no. 5:27 My '63.

FRUIT—DISEASES AND PESTS

Controlling aphids in fruit plantations. V. N. Korchagin. Zashch. rast. ot vred. i bol. 8 no. 5:55 My '63.

A good and needed book. G. A. Paterilo. Zashch. rast. ot vred. i bol. 8 no. 5:63 My '63.

On the Lenin State Farm. E. G. Kuznetsova, R. D. Nosyreva. Zashch. rast. ot vred. i bol. 8 no. 5:4-7 My '63.

FRUIT, CANNED

Preparation of canned plums from the Early Sinlukha variety. A. L. Fel'dman, Z. D. Gusar, A. I. Katsevich. Kons. i ov.-prom. 18 no. 9:8-9 S '63.

What should be the norms of the expenditure of sulfonated pears and quince in production. A. N. Samsonova. Kons. i ov.-prom. 18 no. 9:42 S '63.

FRUIT CULTURE

(see also subdivision under Moldavia; Moscow Province)

Establishing large commercial orchards in the non-Chernozem belt of the R. S. F. S. R. K. S. Dukhanin. Dokl. TSKHA no. 62:251-261 '61.

FRUIT JUICES—STORAGE

Storage of fruit juices in the nitrogen atmosphere. IU. V. Konorov. Kons. i ov.-prom. 18 no. 9:41-42 S '63.

FRUIT TRANSPORTATION

Kapustin, V. P. [Transportation of fruit, vegetables, and potatoes] Transportirovka plodov, ovoshchei i kartofelia. Moskva, Sel'khozizdat, 1963. 182 p.

FRUIT TREES

Fruit trees at very low temperatures. Priroda 52 no. 8:104-105 Ag '63.

Transpiration of fruit trees in summer [with summaries in English, German, and French]. T. I. Gorin. Vest. sel'khoz. nauki 8 no. 4:114-117 Ap '63.

FRUIT TREES—DISEASES AND PESTS

Using chlorophos in orchards. A. S. Degtiareva, V. S. Shelestova. Zashch. rast. ot vred. i bol. 8 no. 7:25 Jl '63.

FRUITS, CITRUS see Citrus fruits

FRUNZE—BLOOD—ANALYSIS AND CHEMISTRY

Some hematological indicators of healthy people in the City of Frunze. G. N. Prizhivoit, T. A. Bortnik. Sov. zdrav. Kir. no. 3:10-14 My-Je '63.

FRUNZE—STATISTICS, MEDICAL

General incidence of disease among the adult population of Frunze in 1958. Report No. 4. O. I. Bolgarova. Sov. zdrav. Kir. no. 3:37-41 My-Je '63.

FUEL

(see also subdivision under Sverdlovsk Province; United States, Uzbekistan)

Automation of fuel supply systems in the Novo-Kemerovsk Thermal Electric Power Plant. M. A. Volgin, G. A. Berlodnyi, L. P. Litkus. Elektrosta. 34 no. 6:78-80 Je '63.

Effect of the additions of iron ore and fluxes on the properties of peat as a metallurgical fuel. I. V. Gebler and others. Izv. TPI 111:86-90 '61.

On the theory of the inflammation of condensed systems by an incandescent surface. V. N. Vilkunov, O. B. Sidonskii. Dokl. AN SSSR 152 no. 1:131-133 S '63.

Potential means for lowering the expenditure of fuel in the petroleum refining industry. E. A. Shapiro. Prom. energ. 18 no. 5:2-6 My '63.

Problems in the fuel supply of rural areas. V. IA. Pykhtin. Nauch. trudy MGI no. 43:38-44 '62.

Reactivity of peat coke and the effect of the additions of ore and fluxes. K. K. Strumkovskaia, V. K. Borodin, V. M. Dinel't. Izv. TPI 111:95-100 '61.

Reactors for thermal fuel gasification using solid heat carriers. N. I. Reshetin, N. F. Rysakov. Trudy Ural. politekh. inst. no. 108:50-56 '61.

FUEL—ANALYSIS

Determining the moisture and ash content of fuel from a single sample. M. I. Vegner. Koks i khim. no. 9:19-20 '63.

FUEL—THERMAL PROPERTIES

Effect of the fractional and hydrocarbon composition of fuels on thermal stability. E. M. Bushueva, I. E. Bespolov. Khim. i tekh. topl. i masel 8 no. 8:49-54 Ag '63.

FUGAPAVINE

Pharmacology of the new alkaloids d-isoremerine and fugapavine. S. F. Fakhrutdinov, I. K. Kamilov. Farm. alk. no. 1:29-35 '62.

FULLER'S EARTH see subdivision under Soviet Far East

FULVIC ACID

Optical properties and elementary composition of fulvic acids of various origin. D. S. Orlov, V. T. Zub. Nauch. dokl. vys. shkoly, biol. nauki no. 3:182-188 '63.

FUMIGATION

(see also subdivision under Nenets National Area)

Injecting methyl bromide by a burette. A. I. Smetnik. Zashch. rast. ot vred. i bol. 8 no. 7:46-47 Jl '63.

FUMU-TOMUSO, FRANCOIS, 1918-

People and events: Francois Fumu-Tamuso. Nov. vrem. 21 no. 31:22 Ag '63.

FUNCTIONAL ANALYSIS

Analytic representation of linear functionals in spaces of harmonic and analytic functions continuous in a closed region. V. P. Khavin. Dokl. AN SSSR 151 no. 3:505-508 Jl '63.

Approximate integration of functions having logarithmic singularities. V. I. Krylov, A. A. Pal'tsev. Vestsi AN BSSR Ser. fiz.-tekh. nav. no. 1:13-18 '62.

Convergence of gradient methods for determining the local conditional minimum of a nonlinear functional under linear conditions in Hilbert space. I. Petersen. Dokl. AN SSSR 151 no. 1:45-47 Jl '63.

One class of linear summation methods. A. K. Pokalo. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 1:24-27 '62.

Solution of incorrectly formulated problems and the regularization method. A. N. Tikhonov. Dokl. AN SSSR 151 no. 3:501-504 Jl '63.

FUNCTIONS

A function that takes on all intermediate values. IU. S. Bogdanov. Dokl. AN BSSR 6 no. 12:755-756 D '62.

IUshchenko, A. A. [Theory of derivatives] Izuchenie proizvodnoi. Pod red. F. D. Gakhova. Minsk, Izd-vo M-vo vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 61 p.

FUNCTIONS, ALGEBRAIC

Algebraic approximations in the field of a power series [with summary in English]. V. G. Sprindzhuk. Vest. LGU 18 no. 13:130-134 '63.

FUNCTIONS, ANALYTIC

Approximation of analytic functions by Faber-Walsh polynomials. P. IA. Kiselev. Ukr. mat. zhur. 15 no. 2:193-198 '63.

Best linear methods of approximation of functions of classes B^{Ω}_{p} and H^{Ω}_{p}. L. V. Taikov. Usp. mat. nauk 18 no. 4:183-189 Jl-Ag '63.

Construction of holomorphy envelopes for Hartogs regions. V. S. Vladimirov, M. Shirmbekov. Ukr. mat. zhur. 15 no. 2:189-192 '63.

Denjoy's hypothesis. L. D. Ivanov. Usp. mat. nauk 18 no. 4:147-149 Jl-Ag '63.

"Erasure" of singularities of analytic functions. E. P. Dolzhenko. Usp. mat. nauk 18 no. 4:135-142 Jl-Ag '63.

Systems forming quasi-exponential bases in spaces of analytic functions in circular rings. K. M. Fishman. Sib. mat. zhur. 4 no. 4:935-943 Jl-Ag '63.

Variational method of solving extremum problems in certain classes of analytic functions. I. A. Aleksandrov. Dokl. AN SSSR 151 no. 5:999-1002 Ag '63.

FUNCTIONS, AUTOMORPHIC

Indices of functions on Riemann surfaces. I. A. Aksent'ev. Dokl. AN SSSR 152 no. 1:9-12 S '63.

FUNCTIONS, CONTINUOUS

Continuation of complex functions [with summary in English]. N. A. Lebedev. Vest. LGU 18 no. 13:61-68 '63.

Homomorphisms of certain semigroups of continuous monotone functions. I. G. Shutov. Sib. mat. zhur. 4 no. 4:941-950 Jl-Ag '63.

Representations of a group of matrices of the second order from a locally compact field, and spherical functions over locally compact fields. I. M. Gel'fand, M. I. Graev. Usp. mat. nauk 18 no. 1:29-99 Jl-Ag '63.

Second derivative determined through the second finite difference. F. A. Kabakov. Uch. zap. MGPI no. 188:105-114 '62.

FUNCTIONS, DISCONTINUOUS

Space of functions with discontinuities of the first kind and the extended Stieltjes integral. IU. S. Ochan. Uch. zap. MGPI no. 188:139-161 '62.

FUNCTIONS, ENTIRE

Integral functions representable by generalized integral transformations. A. L. Avetisian. Sib. mat. zhur. 4 no. 4:713-722 Jl-Ag '63.

FUNCTIONS, MEROMORPHIC

Boundary behavior of functions meromorphic within a unit circle. V. I. Gavrilov. Dokl. AN SSSR 151 no. 1:19-22 Jl '63.

A problem from the theory of distribution of values. L. V. Ostrovskii. Dokl. AN SSSR 151 no. 1:34-37 Jl '63.

FUNCTIONS, PERIODIC

Chebyshev type quadratic forms for periodic functions. N. P. Kedo. Vestsi AN BSSR Ser. fiz.-tekh. nav. no. 1:19-23 '62.

FUNCTIONS, ZETA

Siegel's zeros. A. I. Vinogradov. Dokl. AN SSSR 151 no. 3:479-481 Jl '63.

Trace formula and Selberg's zeta function in certain symmetrical spaces. S. G. Gindikin. Uch. zap. MGPI no. 188:23-53 '62.

FUNCTIONS OF COMPLEX VARIABLES

Evaluations in the theory of regular functions of two complex variables. I. I. Havin. Dokl. AN SSSR 151 no. 5:1003-1006 Ag '63.

FUNCTIONS OF REAL VARIABLES

Approximation of a function with a stochastic argument [with summary in English]. M. K. Gavurin. Vest. LGU 18 no. 13:30-60 '63.

One property of a function of a real variable. U. I. Shmidov. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 1:28-29 '62.

FUNCTIONS OF SEVERAL VARIABLES

Analytic properties of production amplitudes in a single-particle approximation as a function of two variables. V. I. Fushchich. Ukr. mat. zhur. 15 no. 2:227-232 '63.

FUNGI

Immunological heterogeneity of individual organisms of a fungus population, its origin and role in the specialization of fungi. A. N. Mamontova. Agrobiologiia no. 4:607-614 Jl-Ag '63.

FUNGI, PHYTOPATHOGENIC see subdivision under Armenia; Bukovina; Latvia

FUNGICIDES

Amikazol (Amycasolum). Nov. lek. sred. no. 2:5-13 '62.

Determining pentachlorophenol in paint materials containing fungicides. L. Donev, N. Nikolov. Lakokras. mat. i ikh prim. no. 3:60-61 '63.

New preparations against mildew. A. D. Lipetskaia. Zashch. rast. ot vred. i bol. 8 no. 7:57-59 Jl '63.

FUR

Aronina, IU. N., and P. IA. Efremova. [Technology of fur] Tekhnologiia mekha (Spetsial'nye glavy) Moskva, Gizlegprom, 1963. 109 p.

FUR—STORAGE

Our "museum of evil spirits." Ukraina no. 20:8 Ag '63.

FUR, ARTIFICIAL see Artificial fur

FUR FARMING

Methods for improving the quality of furs. Inform. biul. VDNKH no. 5:24-25 My '62.

FURAN

Chemical structure of polysylvan [with summary in English]. Kh. F. Khaidarova, A. A. Abduvaliev, A. S. Sultanov. Vysokom. soed. 5 no. 7:1012-1015 Jl '63.

Derivatives of furan. Report No. 28: N-substituted 2-furylsuccinimides. A. L. Mndzhoian, N. A. Bablian, N. U. Akopian. Izv. AN Arm. SSR, Khim. nauki 16 no. 4:385-390 '63.

FURANACRYLIC ACID

Catalytic hydrogenation of furan and aliphatic hydroxy compounds by the flow method under elevated hydrogen pressure. I. F. Bel'skii, N. I. Shuikin, V. M. Shostakovskii. Izv. AN SSSR, Ser. khim. no. 9 1631-1635 S '63.

FURANAMINE

Catalytic synthesis of higher pyrrole and pyrrolidine homologs from α-furylalkylamines. N. I. Shuikin, I. F. Bel'skii, G. E. Skobtsova. Izv. AN SSSR, Ser. khim. no. 9 1678-1680 S '63.

FURANOL

Reaction of furan alcohols and their derivatives with α,β-unsaturated aldehydes and ketones. V. G. Glukhovtsev, S. V. Zakhariya, A. D. Petrov. Dokl. AN SSSR 151 no. 3,570-572 Jl '63.

FURNACES

Features of approximate simulation of nonisothermal gas flow in cyclone furnaces. N. I. Syromiatnikov, E. V. Volkov, V. I. Suslov. Trudy Ural politekh. inst. no. 108 [illegible]

Lytkin, V. L., and K. I. Lytkin. [Conversion of machinery plant furnaces to natural gas] Perevod pechei mashinostroitel'nykh zavodov na prirodnyi gaz. Moskva, Mashgiz, 1963. 119 p.

FURNACES, HEAT-TREATING

Grog-carborundum recuperators for patenting furnaces. M. A. Rabinovich, I. V. Grigor'ev. Ogneupory 28 no. 8 353-355 '63.

FURNACES, HEATING
(see also subdivision under Hungary)

Concerning N. S. Lebedev's article "Standardization of forge furnaces." I. F. Makhnev, A. K. Babushkin. Kuz.-shtam. proizv. 5 no. 5:38-41 My '63.

Device for the heating of specimens for spectrum analysis. S. A. Skotnikov, Iu. A. Savel'ev. Trudy Inst. met. no. 15:151-158 '63.

Heat transmission of rollers in sectional furnaces. V. S. Shklyar. Stal' 23 no. 8 759-761 Ag '63.

Heating in a fluidized bed. M. B. Gutman, L. A. Mikhailov, O. I. Rozhdestvenskii. Vest. elektroprom. 34 no. 8 53-57 Ag '63.

Heating pit for cold ingots. V. I. Pogorzhel'skii, V. I. Kurpe, G. N. Khristoforov. Stal' 23 no. 8 758-759 Ag '63.

New furnaces for the nonoxidizing heating of steel and the results of their investigation. M. M. Efros. Kuz.-shtam. proizv. 5 no. 8:33-37 Ag '63.

Scientific technological conference "Progressive methods of metal heating before forging and die stamping and the efficient design of heating arrangements." V. N. Glushkov. Kuz.-shtam. proizv. 5 no. 8:48, 3 of cover Ag '63.

Transfer of a holding furnace to heating by natural gas with self-carburation. G. I. Demin, A. I. Pluzhnikov. Stal' 23 no. 8 755-756 Ag '63.

FURNITURE

Family affairs. Ukraina no. 15:13 Jl '63.

New furniture designs. Prom. Arm. 6 no. 7:42-45 Jl '63.

Ukrainskii nauchno-issledovatel'skii institut mekhanicheskoi obrabotki drevesiny [New developments in the production of materials with a base of wood and synthetic resins] Novoe v proizvodstve materialov na osnove drevesiny i sinteticheskikh smol. Kiev, Gosstroiizdat USSR, 1963. 66 p.

FUSAIN

Studies of the fusinous components of coal and the nature of so-called "sclerotinite". I. N. Semasheva, I. S. Sofiev. Uzb. khim. zhur. 7 no. 3:16-21 '63.

FUSARIUM see subdivision under Russia, Northwestern; Uzbekistan

FUSARIUM—TOXICOLOGY

Determining the toxicity of samples of feeds causing fusarium toxicosis in domestic animals. E. S. Kvashnina. Trudy VNIIVS 14:88-89 '59.

Water-soluble toxic substances from fungi of the genus Fusarium. E. S. Kvashnina. Trudy VNIIVS 14:89-90 '60.

FUSED SALTS

Cathodic processes in the deposition of zirconium from chloride melts [with summary in English]. M. V. Smirnov, A. N. Baraboshkin, V. E. Komarov. Zhur. fiz. khim. 37 no. 8:1069-1076 Ag '63.

Cathodic processes in the deposition of zirconium from mixed chloride-fluoride melts [with summary in English]. M. V. Smirnov, A. N. Baraboshkin, V. E. Komarov. Zhur. fiz. khim. 37 no. 8:1677-1681 Ag '63.

Obtaining portland cement clinkers in fused salts at low calcination temperature with a steam aftertreatment. B. I. Nudel'man, S. K. Grakhova. Uzb. khim. zhur. 7 no. 3 13-15 '63.

Use of zonal fusion in establishing the fields of crystallization and eutectic composition of multicomponent systems of fused salts. V. M. Agoshkov. Dokl. AN SSSR 152 no. 1:96-99 S '63.

FUSED SALTS—ELECTRIC PROPERTIES

Electrical double layer in fused salts and concentrated electrolyte solutions. G. A. Martynov, B. V. Deriagin. Dokl. AN SSSR 152 no. 1:140-142 S '63.

FUSED SALTS—THERMODYNAMIC PROPERTIES

Isobaric potential of the formation of fused zinc chloride. B. F. Markov, S. V. Volkov. Ukr. khim. zhur. 29 no. 5: 511-515 '63.

FUSINITE see subdivision under Angren Basin

GADOLINIUM ISOTOPES—SPECTRA

Neutron-deficient Gd and Eu isotopes with mass numbers 145 and 147. G. M. Gorodinskii, V. N. Pokrovskii, E. I. Firsov. Uch. zap. Ped. inst. Gerts. 197:176-179 '58.

GAGAUZ LANGUAGE—PHONETICS

Phonetic characteristics of certain vowels in Gagauz. B. G. Gafarov. Trudy Inst. iaz. AN Turk SSR no. 1:5-18 '62.

GAGAUZ LANGUAGE—VOWELS

Phonetic characteristics of certain vowels in Gagauz. B. G. Gafarov. Trudy Inst. iaz. AN Turk SSR no. 4:5-16 '62.

GAIDAR, ARKADII PETROVICH, 1904-1941

He looks ahead. IU. Repin. Sem'ia i shkola 18 no. 6 32-34 Je '63.

GALANTHAMINE

Effect of galanthamine hydroxymethylate on the action of arecoline and atropine. Sh. S. Umarova, I. K. Kamilov, N. P. Polivtsev. Farm. alk. no. 1 181-183 '62.

Galanthamine hydroxymethylate and its cholinergic properties. Sh. S. Umarova, I. K. Kamilov, N. P. Polivtsev. Farm. alk. no. 1 171-180 '62.

GALANTHAMINE—PHYSIOLOGICAL EFFECT

Comparative action of galanthamine hydrobromide and hydroxymethylate on neuromuscular conduction. Sh. S. Umarova, I. K. Kamilov, N. P. Polivtsev. Farm. alk. no. 1 184-189 '62.

GALATI, RUMANIA—ECONOMIC CONDITIONS

A city on the Danube. E. Kiselev. Nov. vrem. 21 no. 31 10-11 Ag '63.

GALAXIES

Nature of double radio galaxies [with summary in English]. A. T. Kalloglian, G. M. Tovmasian. Soob. Biur. obser. no. 31:39-51 '62.

GALICIA—PEASANT UPRISINGS

The peasant movement in Galicia after the Reform of 1848-1849 [with summary in English]. E. M. Kosachevskaia. Vest. LGU 18 no. 14:7-18 '63.

GALL GNATS

Tomasiniana ribis. M. I. Boldyrev, E. E. Ocheretenko, N. K. Batyshchikov. Zashch. rast. ot vred. i bol. 8 no. 5:22-24 My '63.

GALLBLADDER—CANCER

Primary cancer of the gallbladder. A. S. Vinogradov, V. IA. Avanesova. Kaz. med. zhur. no. 3:83-84 My-Je '63.

GALLBLADDER—DISEASES

Immunological characteristics of serum proteins in acute and chronic cholecystitis [with summary in English]. IU. S. Tatarinov, A. M. Nogaller. Terap. arkh. 35 no. 1:37-43 Je '63.

Surgical technique in acute pancreatitis and cholecystopancreatitis. P. V. Kravchenko, V. E. Volkov. Kaz. med. zhur. no. 3:28-30 My-Je '63.

GALLIC ACID

Free gallic acid in tea leaves. M. N. Zaprometov, V. IA. Bukhtaeva. Dokl. AN SSSR 151 no. 1:231-233 Jl '63.

GALLIUM
(see also subdivision under Azov Sea region)

Amplitude of coherent scattering of neutrons by gallium nuclei. IU. S. Kuz'minov, N. V. Belov. Kristallografiia 8 no. 4 675-677 Jl-Ag '63.

Some characteristics of the distribution of gallium in ultrabasites [with summary in English]. L. F. Bortsenko. Geokhimiia no. 8 746-753 Ag '63.

GALLIUM ANTIMONIDE—MAGNETIC PROPERTIES

Thermomagnetic effects in GaSb. K. T. Basova. Izv. vys. ucheb. zav., fiz. no. 4:149-156 '63.

GALLIUM ARSENIDES

Diffusion and solubility of silver in gallium arsenide. B. I. Boltaks, F. S. Shishiianu. Fiz. tver. tela 5 no. 8: 2310-2316 Ag '63.

Refinement of gallium arsenide by the zone dissolution method. A. G. Grigor'eva, V. N. Chernigovskaia, A. P. Izergin. Izv. vys. ucheb. zav.; fiz. no. 4:16-18 '63.

GALLIUM COMPOUNDS

Polarographic reduction of gallium in a pyrocatechol solution [with summary in English]. A. I. Zelianskaia, L. IA. Kukalo. Zhur. anal. khim. 18 no. 6 726-728 Je '63.

GALOIS THEORY

Imbedding condition in the case of a cyclic normal group of order 2^n [with summary in English]. R. A. Shmidt, A. V. IAkovlev. Vest. LGU 18 no. 13 137-140 '63.

GALVANOMETER

Lamp galvanometer for electrochemical measurements. A. S. Chegolia, L. A. Parfenov. Zav. lab. 29 no. 8,1014 '63.

GAME AND GAME BIRDS

Wild ungulates today and tomorrow. A. G. Bannikov. Priroda 52 no. 8:67-72 Ag '63.

GAME AND GAME BIRDS—ECONOMIC ASPECTS see subdivision under Siberia

GAME PROTECTION

Urgent problems in game and forest management. A. A. Kozlovskii. Les khoz. 16 no. 5 57-60 My '63.

GAMES

Bibliography of printed games. R. Smyrnova. Doshk. vykh. 24 no. 6,43-44 Je '63.

GAMES OF STRATEGY (MATHEMATICS)

Duration of a game of survival. I. V. Romanovskii. Sib. mat. zhur. 4 no. 4 862-869 Jl-Ag '63.

Quasi-invariant kernels in antagonistic games. E. B. IAnovskaia. Dokl. AN SSSR 151 no. 3 513-514 Jl '63.

GAMMA GLOBULIN

Effect of γ-globulin on the change of aldolase activity in those in contact with a focus of Botkin's disease. V. D. Soboleva. Sov. med. 27 no. 7 105-110 Jl '63.

GAMMA GLOBULIN—THERAPEUTIC USE

Indices of the agglutination reaction in the treatment of whooping cough with immune antiwhooping-cough gamma globulins. R. M. Britum. Ped., akush. i gin. 25 no. 2,18-21 '63.

GAMMA RAYS

Action of light on free radicals in γ-irradiated polymers [with summary in English]. V. K. Milinchuk, S. IA. Pshezhetskii. Vysokom. soed. 5 no. 6 946 Je '63.

Application of gamma rays and ultrasonic waves in television. I. K. Malakhov. Tekh. kino i telev. 5 no. 7 76-83 Jl '61.

Effect of gamma on the synthesis of carotinoids in tomatoes. L. P. Kovalevskaia, K. V. Vasil'eva. Kons. i ov. prom. 18 no. 7:29-32 Jl '63.

Fluctuations of electron-photon showers in iron [with summary in English]. B. Nichiporuk, Z. S. Strugal'skii. Zhur. eksp. i teor. fiz. 45 no. 2:313-317 Ag '63.

Formation and reactions of free radicals produced by γ-radiation in solid ammonia and hydrazine. V. I. Tupikov, S. IA. Pshezhetskii. Zhur. fiz. khim. 37 no. 8: 1900-1903 Ag '63.

Formation of hydrazine in the γ-irradiation of liquid ammonia and aqueous solutions of ammonia. IU. A. Sorokin, V. I. TSivenko, S. IA. Pshezhetskii. Zhur. fiz. khim. 37 no. 8:1871-1875 Ag '63.

Gamma-ray absorption in intergalactic space [with summary in English]. P. Goldreikh, F. Morrison. Zhur. eksp. i teor. fiz. 45 no. 2:341-345 Ag '63.

Study of gamma rays in a cyclotron resonance system. G. Indrisano and others. Zhur. tekh. fiz. 33 no. 4: 462-469 Ap '63.

Studying the gamma spectra of certain radioisotopes with the aid of a luminescent spectrometer. E. I. Firsov. Uch. zap. Ped. inst. Gerts. 197:169-175 '58.

GAMMA RAYS—EQUIPMENT AND SUPPLIES

Removable seat for the rotational attachment to the stand of the roentgen or gamma apparatus. M. Sh. Vainberg. Vest. rent. i rad. 38 no. 2 55-57 Mr-Ap '63.

GAMMA RAYS—INDUSTRIAL APPLICATIONS

Possibilities of using atomic energy for disinfecting raw hides and skins, wool and bristles. V. V. Arkhipov. Trudy VNIIVS 14 43-47 '60.

GAMMA RAYS—PHYSIOLOGICAL EFFECT

Dynamics of the postradiation restoration of yeast cells as related to the dose of gamma irradiation. V. S. Barsukov, O. V. Malinovskii, N. M. Mitiushova. Dokl. AN SSSR 151 no. 1:209-212 Jl '63.

Effect of cobalt radiation (Co^{60}) on the development of the eggs of ascarids and trichocephalus of swine and the eggs of Fasciola. V. D. Bubnov. Trudy VNIIVS 14:83-85 '60.

Effect of ionizing radiation of cobalt on the components of precipitation reaction in anthrax. L. E. Naimushina. Trudy VNIIVS 14:68-69 '60.

Effect of total irradiation with gamma rays of Co^{60} on the content of intermediate products of carbohydrate and phosphorus metabolism in cardiac and skeletal muscles. N. M. Labanava. Vestsi AN BSSR, Ser. biial. nav. no. 1: 53-58 '63.

Pathogenic effect of small and medium doses of gamma rays on the progeny of irradiated insects. V. IA. Podolian. Trudy Inst. zool. AN Kazakh. SSR 19:220-225 '63.

Resistance of milk lysozyme to gamma rays of radioactive cobalt (Co^{60}). V. I. Mutovin. Trudy VNIIVS 14:61-62 '60.

GANGLERON—THERAPEUTIC USE

Use of gangleron in the compound treatment of peptic ulcer. L. N. Perevodchikova. Kaz. med. zhur. no. 3:69-71 My-Je '63.

GAPOCHKO, GEROGII FEDOROVICH, 1882-1963

Georgii Fedorovich Gapochko, obituary. Geod. i kart. no. 8:75-77 Ag '63.

GARMENT CUTTING

Automatic system for making photographs of the experimental pattern layout. D. A. Lisitsyn. Shvein. prom. no. 4:30-32 Jl-Ag '63.

Gusev, E. A. [Cutting and tailoring of women's coats] Raskroi i poshiv zhenskikh pal'to. Minsk, Gos. izd-vo BSSR, 1962. 327 p.

Struggle for an efficient utilization of fabrics. V. M. Eliseeva. Shvein. prom. no. 4:35-37 Jl-Ag '63.

GAS see subdivision under Europe

GAS, NATURAL

Brief report on developments abroad. Prom. energ. 18 no. 5:60 My '63.

Corrosion of carbon steel under $CaCl_2$ solution films in an atmosphere of natural gas. F. K. Andrushchenko, V. I. Shagaidenko. Ukr. khim. zhur. 29 no. 6:658-662 '63.

Firing mazut-type open-hearth furnaces with self-carburetting natural gas. I. I. Kobeza. Vop. proizv. stali no. 9-3:12 '63.

Improving the cone of flame in transferring mazut-type open-hearth furnaces to firing with natural gas. V. IA Konukh. Vop. proizv. stali no. 9:13-28 '63.

Using natural gas for smelting cast iron. L. M. Marlenbakh, G. P. Dolotov. Vest. mashinostr. 43 no. 8:65-70 Ag '63.

GAS, NATURAL—EXPERIMENTS

Experiments with the processing of natural gas. N. Z. TSlaf. Khim. v shkole 18 no. 3:80-82 My-Je '63.

GAS, NATURAL—GEOLOGY

(see also subdivision under Aktyubinsk Province; Berezovo region, Tyumen' Province, Duvannyy Island; Kazakhstan, Krasnodar Territory; Kuban; Kuban-Azov Lowland; Mugodzhar Hills, Volga-Ural region; West Siberian Plain)

Mirchink, M. F., and others. [Regularities in the distribution of oil and gas wells] O zakonomernostiakh razmeshchenila neftianykh i gazovykh mestorozhdenii. Moskva, Gostoptekhizdat, 1963. 120 p.

Reconnaissance map of oil and gas reserves of the U. S. S. R. V. IA Avilov and others. Geol. nefti i gaza 7 no. 6:1-8 Je '63.

Structure of recent (Epipaleozoic) platforms and their oil and gas potentials discussed at the Meeting on Tectonics. R. G. Garetskii. Sov. geol. 6 no. 8:137-140 Ag '63.

GAS, NATURAL—PIPELINES

(see also subdivision under Soviet Central Asia)

Selection of an optimum gas-transportation system for remote distances. E. Kh. Odel'skii. Shor. nauch. trud Bel. politekh. inst. no. 66:184-197 '57.

GAS AND OIL ENGINES see Internal combustion engines

GAS AS FUEL

Use of gas fuel for the operation of diesel locomotives. N. V. Lavrov and others. Zhel. dor. transp. 45 no. 8:43-46 Ag '63.

GAS CHROMATOGRAPHY

Analysis of isomeric octenes by gas chromatography. M. S. Vigdergauz, M. I. Afanas'ev. Neftekhimiia 3 no. 3:425-429 My-Je '63.

Determining higher alcohols in cognac by gas-liquid chromatography. I. A. Egorov, A. K. Rodopulo, A. F. Pisarnitskii. Dokl. AN SSSR 151 no. 3:729-731 Jl '63.

"Gas chromatography" by A. A. Zhukhovitskii, N. M. Turkel'taub. Reviewed by K. V. Chmutov. Neftekhimiia 3 no. 3:442-444 My-Je '63.

"Gas chromatography" by A. A. Zhukhovitskii, M. N. Turkel'taub. Reviewed by P. A. Rebinder and D. A. Vlakhirev. Zav. lab. 29 no. 8:1023 '63.

Gas-liquid chromatography of oxygen-containing polyene compounds. B. A. Rudenko, I. I. Nazarova, V. F. Kucherov. Izv. AN SSSR. Ser. khim. no. 8:1545-1548 S '63.

Use of macroporous glasses in gas adsorption chromatography for separating liquid hydrocarbons. A. V. Kiselev, IA. I. IAshin, S. P. Zhdanov. Neftekhimiia 3 no. 3:417-424 My-Je '63.

GAS DISTRIBUTION

Change in the network of governor position indicators in compressor stations. A. G. Malkov. Prom. energ. 18 no. 7:15-18 Jl '63.

Gas-distributing units with conjugate cones for the apparatus with a fluid bed. R. S. Fraiman, E. N. Gel'perin, T. I. Luzanova. Khim. i tekh. topl. i masel 8 no. 8:44-46 Ag '63.

GAS DYNAMICS

Conversion of gas velocity to pressure in a pipeline with sudden expansion. A. G. Lifshits. Trudy Ural politekh. inst. no. 108:100-102 '61.

Effect of the reduction in the consumption of coke on conditions of gas dynamics in blast furnaces. A. A. Gimmel'farb, A. M. Lapa. Stal' 23 no. 7:593-597 Jl '63.

Interstage pressure in a two-stage piston compressor. S. L. Magrachev. Trudy Ural politekh. inst. no. 108:103-107 '61.

Motion of solid particles in a gas flow. A. A. Gurvits. Izv. vys. ucheb. zav., energ. 6 no. 8:80-89 Ag '63.

GAS FLOW

Flow into a vacuum along an inclined wall. V. A. Suchkov. Prikl. mat. i mekh. 27 no. 4:736-740 Jl-Ag '63.

Interaction of perturbations and a shock wave in uniform nonsteady gas flow. Zh. S. Sisian. PMTF no. 3:153-155 My-Je '63.

Method for calculating the flow of a rarefied gas. B. V. Kukarenko. Dokl. AN SSSR 151 no. 5:1042-1045 Ag '63.

Temperature distribution in a laminar jet of a heat conducting gas emerging into a space with a magnetic field [with summary in English]. K. I. Strakhovich, IU. A. Sokovishin. Inzh.-fiz. zhur. 6 no. 7:88-93 Jl '63.

Thermal spontaneous ignition of a homogeneous gaseous mixture in flow. A. G. Merzhanov, A. K. Filonenko. Dokl. AN SSSR 152 no. 1:143-146 S '63.

GAS INDUSTRY see subdivision under Ukraine

GAS INDUSTRY—EQUIPMENT AND SUPPLIES

Analysis of the turnover of working capital in the petroleum and the gas industries. M. Umanskii. Bukhg. uchet 20 no. 8:31-39 Ag '63.

GAS INDUSTRY—SAFETY MEASURES

Intensify the inspection of the gas industry. I. G. Galanov. Bezop. truda v prom. 7 no. 7:1-2 Jl '63.

GAS METERS

Kremlevskii, P. P. [Flowmeters; industrial instruments for measuring the consumption of liquids, gas and steam] Raskhodomery; promyshlennye pribory dlia izmereniia raskhoda zhidkosti, gaza i para. Moskva, Mashgiz, 1955. 435 p.

GAS TUBES see Electron tubes

GAS TURBINES

Improvement of the accelerating ability of a two-shaft gas turbine transport engine using nozzle control of the power turbine. I. A. Barskii. Energomashinostroenie 9 no. 6:35-38 Je '63.

Installation of a GTU-25-700 gas turbine in an electric power plant. T. S. Vishnevskii. Elek. sta. 34 no. 6:25-28 Je '63.

Principal factors affecting the efficiency of the working process of a gas turbine system. E. N. Uspenskii. Trudy Ural politekh. inst. no. 108:118-123 '61.

Study of the temperature fields of the rotor and hull of the GT-700-4 NZL turbine. IU. S. Osherov. Energomashinostroenie 9 no. 6:14-17 Je '63.

Study of turbine cascades in a steampipe. B. M. Troianovskii, E. V. Maloratskii. Energomashinostroenie 9 no. 6:38-40 Je '63.

Testing of a gas turbine system with a free-piston gas generator. S. Kh. Gel'fenbein. Energomashinostroenie 9 no. 6:37-38 Je '63.

Use of gas-turbine engines for high-speed passenger trains. L. IA. Levental'. Zhel. dor. transp. 45 no. 8:67-70 S '63.

Varying temperature field and stresses in cooled gas-turbine disks. A. G. Kostiuk. Energomashinostroenie 9 no. 6:20-23 Je '63.

Zhiritskii, G. S., ed. [Gas turbines of aircraft engines] Gazovye turbiny aviatsionnykh dvigatelei. [By] G. S. Zhiritskii i dr. Moskva, Oborongiz, 1963. 604 p.

GAS TURBINES—TESTING

Effect of the radial gap in moving blades on the reactivity degree of a turbine. I. A. Barskii. Vest. mashinostr. 43 no. 8:37-39 Ag '63.

GAS WELDING AND CUTTING

Lozinskii, V. N. [Using acetylene substitutes in the welding and cutting of metals] Ispol'zovanie zamenitelei atsetilena pri svarke i rezke metallov. Moskva, Transzheldorizdat, 1963. 18 p. (Dostizhenila nauki i tekhniki v proizvodstvo)

GASES

Adsorption isotherms of nitrogen, benzene, and n-hexane vapors and the heat of adsorption of benzene and n-hexane on graphitized carbon blacks. Part 3: Thermodynamic characteristics of adsorption equilibria [with summary in English]. A. A. Isirikian, A. V. Kiselev. Zhur. fiz. khim. 37 no. 8:1770-1785 Ag '63.

Apparatus for determining the solubilities of chlorine and other gases in liquids [with summary in English]. L. M. Kogan, N. S. Kol'tsov, N. D. Litvinov. Zhur. fiz. khim. 37 no. 8:1914-1917 Ag '63.

Change of the heat capacity during the hydration of monatomic and polyatomic ions. G. A. Krestov. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2:226-232 '63.

GASES—ANALYSIS

Automatic gas analyzer. B. S. Kazandashov. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:28-32 '62.

Determination of gases in molybdenum sheet. IU. A. Klyachko, T. A. Lomanova, E. M. Chistiakova. Zav. lab. 29 no. 8:923-924 '63.

Methods of analysis in the study of the absorption kinetics of poorly soluble gases. D. K. Rol', T. K. Dzhabagin, P. A. Semenov. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:333-337 '63.

Simple adsorption gas analyzer. V. E. Keilin. Prib. i tekh. eksp. 8 no. 3:199-200 My-Je '63.

GASES—ELECTRIC PROPERTIES

Effect of a magnetic field on the optimum composition of a conducting gaseous mixture. F. P. Zimin, V. A. Popov. PMTF no. 3:162-164 My-Je '63.

GASES—LIQUEFACTION

Thermodynamic analysis of gas liquefaction processes [with summary in English]. V. M. Brodianskii. Inzh.-fiz. zhur. 6 no. 7:36-42 Jl '63.

GASES—SEPARATION

"VNIIKIMASh BR-6" nitrogen-oxygen separation unit. V. S. Gorokhov, B. A. Chernyshov, G. B. Narinskii. Khim. mashinostr. no. 1:4-7 Jl-Ag '63.

GASES—THERMAL PROPERTIES

TSederberg, N. V. [Thermal conductivity of gases and liquids] Teploprovodnost' gazov i zhidkostei. Moskva, Gosenergoizdat, 1963. 407 p.

GASES—THERMODYNAMIC PROPERTIES

Spread of the chemical reaction zone in pure acetylene and mixtures with other gases. B. A. Ivanov, S. M. Kogarko. PMFT no. 3:59-66 My-Je '63.

GASES, KINETIC THEORY OF

Investigating the kinetics of the interaction of carbon with oxygen dissolved in copper and tin. P. M. Shurygin, V. I. Kriuk. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3:58-63 '63.

Moment integral method for solving Boltzmann's kinetic equation. M. N. Kogan. PMTF no. 3:36-40 My-Je '63.

GASES AT HIGH TEMPERATURES—THERMODYNAMIC PROPERTIES

Calculating the thermodynamic properties of real gases at high temperatures. Equation of state for ammonia [with summary in English]. A. G. Tabachnikov. Inzh.-fiz. zhur. 6 no. 7:54-59 Jl '63.

GASES IN METALS

Behavior of impurities and hydrogen on the fire refining of copper. V. L. Zinzev, I. N. Tanutrov. TSvet. met. 36 no. 6:80-83 Ag '63.

Determination of nitrogen in metals. S. A. Skotnikov. Trudy Inst. met. no. 15:43-53 '63.

Effect of electric slag heating and feed maintenance on the distribution of nitrogen, oxygen and nonmetallic inclusions in steel ingots. V. I. IAvotskii, Sh. Sh. Bektursunov, D. A. Dudko. Izv. vys. ucheb. zav.; chern. met. 6 no. 7:47-51 '63.

GASES IN ROCKS

Gas composition of pneumatolytic-hydrothermal solutions [with summary in English]. M. M. Elinson, V. S. Polykovskii. Geokhimiia no. 8:767-776 Ag '63.

GASOLINE

Tubestills for heating a mixture of gaseous products in plants of the catalytic reforming of gasolines. L. S. Zaglodin, G. I. Ageev. Khim. i tekh. topl. i masel 8 no. 8:38-43 Ag '63.

GASOLINE—ANTIKNOCK AND ANTIKNOCK MIXTURES see subdivision under United States

GASTRIC JUICE

Current viewpoints on the value of the indices of acid formation and secretory function of the stomach in peptic ulcer. V. V. Talantov. Kaz. med. zhur. no. 3:85-90 My-Je '63.

Evening examination of gastric secretion [with summary in English]. V. A. Valuk. Terap. arkh. 35 no. 1:56-59 Ja '63.

Intraintestinal feeding and aspiration of digestive juices following stomach resection. I. P. Maslov. Kaz. med. zhur. no. 3:74-75 My-Je '63.

GASTROINTESTINAL HEMORRHAGE

Diagnosis of gastroduodenal hemorrhages. N. S. Mazchenko. Kaz. med. zhur. no. 3:82-83 My-Je '63.

GASTROINTESTINAL MOTILITY

Mechanism of the action of novocaine block of the splanchnic nerves on the motor activity of the small intestine in experimental peritonitis. O. S. Kochnev. Kaz. med. zhur. no. 3:47-50 My-Je '63.

Motor function of a segment of the large intestine used for stomach replacement. D. V. Pomosov, S. B. Korostovtsev. Kaz. med. zhur. no. 3:21-23 My-Je '63.

GASTROINTESTINAL MOTILITY (Continued)

Motor function of the gastrointestinal tract in patients with thyrotoxicosis before and following I^{131} treatment [with summary in English] M I Neporent, V G Spesivtseva Med rad 7 no 11 9-16 N '62

GASTROPODA see subdivision under Black Sea

GASTROPODA, FOSSIL see subdivision under Georgia, Siberian Platform, Taymyr Peninsula

GAY REGION (ORENBURG PROVINCE)—CHALCOPYRITE

Structure and morphology of ore bodies in the northern part of the Gay copper pyrite deposit (Southern Urals). V. I. Starostin. Geol. rud. mestorozh. 5 no. 4 74-85 Jl-Ag '63.

GAY REGION (ORENBURG PROVINCE)—GEOLOGY, STRUCTURAL

Structure and morphology of ore bodies in the northern part of the Gay copper pyrite deposit (Southern Urals) V. I. Starostin. Geol. rud. mestorozh. 5 no. 4:74-85 Jl-Ag '63.

GAZELLES, FOSSIL see subdivision under Ortok, Mount

GEAR CUTTING

Temperature of the milling of gears made of heat-resistant and titanium alloys. V. I. Sheryshev. Vest. mashinostr. 43 no. 8:72-73 Ag '63

GEARING

Analysis of the technological and economic indices of gear wheel forging with finishing of the gears. V. A. Krokha, O. V. Protopopov, A. M. Bakhovkin. Kuz.-shtam. proizv. 5 no. 7:31-36 Jl '63.

Effect of blocking devices of the gate control gear on the number of switchings and the wear of the butts of blocked gears. M. Kh. Moldavskii Stan. i instr. 34 no 7, 33-34 Jl '63.

GEDENSHTROMA—STREAM MEASUREMENT

Discharge curve for the Gedenshtroma River (Novaya Sibir' Island). R. K. Sisko. Probl. Arkt. i Antarkt. no. 13, 128-129 '63.

GEESE

Autumnal reproduction of geese induced by differentiated light regime. P. A. Vunder. Nauch. dokl. vys. shkoly, biol. nauki no. 3:75-77 '63.

GEESE—PARASITES see Parasites—Geese

GENERALIZED SPACES see Spaces, Generalized

GENETICS

Lobashev, M. E. [Genetics; a course of lectures] Genetika; kurs lektsii. [Leningrad] Izd-vo Leningr. univ. 1963. 488 p.

Philosophy and genetics; about G. V. Platonov's book "Dialectical materialism and the problems of genetics." V. G. Novak. Biol. v shkole no. 1 89-91 Jl-Ag '63

GENETICS—CONGRESSES

Symposium on the problems of medical genetics. B. P. Matseliukh. Mikrobiol. zhur. 25 no. 4, 67-68 '63.

GENEVA—LIBRARIES

V. I. Lenin and the G. A. Kuklin Library in Geneva. K. I. Abramov, V. A. Kuz'ko. Vop. ist. KPSS 7 no. 9:69-70 S '63.

GENKEL', PAVEL ALEKSANDROVICH, 1903-

On the occasion of the 60th birthday of P. A. Genkel'. Biol. v shkole no. 4:95 Jl-Ag '63.

GEOCHEMICAL PROSPECTING

Probability-statistical estimation of the geochemical background in prospecting for mineral deposits [with summary in English]. S. I. Smirnov. Geokhimiia no. 3: 333-344 Mr '63.

GEOCHEMICAL RESEARCH

Characteristics of the distribution of the arithmetic mean under conditions of the asymmetric distribution of contents. D. A. Rodionov. Geokhimiia no. 7:689-693 Jl '63.

GEOCHEMISTRY
(see also subdivision under Laba Valley)

Action of elementary particles in geochemical processes. K. I. Lukashou, U. A. Kuznietsou. Vestsi AN BSSR, Ser. fiz.-tekh. nav. no. 1:74-83 '62.

Chemical properties of some elements in connection with their migration. V. A. Moleva. Trudy IGEM no. 99:188-199 '63.

Detecting gold in complex geochemical studies. K. S. Pukhomova, T. A. Vysotskaia. Trudy IAFAN SSSR, Ser. geol. no. 16:75-80 '63.

Differentiation in geochemical processes taking place with the participation of potassium and sodium [with summary in English]. V. V. Shcherbina. Geokhimiia no. 3:229-236 Mr '63.

Geochemical conference dedicated to the 100th anniversary of V. I. Varnadskii's birth. K. P. Florenskii. Geokhimiia no. 8:785-789 Ag '63.

Geochemical history of beryllium in the processes of high-temperature postmagmatic mineral formations [with summary in English]. A. A. Beus, B. P. Sobolev, IU. P. Dikov. Geokhimiia no. 3:297-304 Mr '63.

Geochemistry of fluorine in nepheline syenites [with summary in English]. V. I. Gerasimovskii. Geokhimiia no. 3:237-244 Mr '63.

Geochemistry of gold in the weathering surface and biosphere of the permafrost region in the Aldan Shield. L. V. Razin, I. S. Rozhkov. Trudy IAFAN SSSR. Ser. geol. no. 16:5-22 '63.

Geochemistry of mercury in the Crimean Mountains [with summary in English]. G. A. Bulkin. Geokhimiia no. 12: 1079-1088 '62.

Geochemistry of strontium and barium in sulfur sedimentation [with summary in English] N. P. IUshkin. Geokhimiia no. 12:1089-1093 '62

Geochemistry of the processes of primary oil migration [with summary in English] V. A. Uspenskii. Geokhimiia no. 12:1027-1045 '62.

Media of hydrogeochemical studies [with summary in English] A. A. Liatsin Geokhimiia no. 2 149-157 F '63

New data on biogeochemistry of the supergene migration of chemical elements. O. IU. Volkova, A. I. Germanov. Trudy IGEM no. 99:85-100 '63.

Outline of the geochemistry of salts. Pt. 2: Migration of salts in folded areas. K. M. Feodot'ov, P. L. Prihid'ko. Trudy IGEM no. 99:147-153 '63.

Role of humic acids in the geochemistry of soils [with summary in English]. T. V. Drozdova. Pochvovedenie no. 8:40-47 Ag '63.

Some characteristics of arid areas. A. I. Perel'man. Trudy IGEM no. 99:114-121 '63.

Some characteristics of water migration of chemical elements in permafrost regions in connection with hydrogeochemical prospecting. V. L. Kozhara. Trudy IGEM no. 99:122-135 '63.

Summaries of the principal articles in "Geochimica et Cosmochimica Acta" no 8 (August), 1962. Geokhimiia no 2 190-192 F '63

Summaries of the principal articles in "Geochimica et Cosmochimica Acta" 26, December, 1962 Geokhimiia no. 8 790-791 Ag '63.

Summaries of the principal articles in "Geochimica et Cosmochimica Acta" 26, no. 5 (May), 1962. Geokhimiia no. 12:1123-1125 '62.

Summaries of the principal articles in "Geochimica et Cosmochimica Acta" 26, June, 1962. Geokhimiia no. 1: 94-96 Ja '63.

Summaries of the principal articles in "Geochimica et Cosmochimica Acta," 26, November, 1962. Geokhimiia no. 7 710 Jl '63.

GEODESY

Effect of errors in star coordinates, errors in polar coordinates, and errors in reference moments on the astronomical elements in the geodetic net of the U. S. S. R. O. V. Chernevskii. Trudy TSNIIGAIK no. 154:125-147 '63.

GEODESY—ABSTRACTS

[Geodesy] Ref. zhur.: Geod. no. 10 O '63.

GEODESY—DICTIONARIES

Work on terminology and dictionaries in the field of geodesy. K. F. Nekrasova. Geod. i kart. no. 8:74-75 Ag '63.

GEODIMETER

Recent developments in the manufacture of geodimeters. G. A. Fel'dman. Geod. i kart. no. 8:62-66 Ag '63.

Using the method of comparisons in measuring distances with the SVV-1 geodimeter. F. P. Noskov. Geod. i kart. no. 8:13-16 Ag '63.

GEOGRAPHICAL DISTRIBUTION OF ANIMALS AND PLANTS

Large-scale mapping of the rodent population. E. M. Snigirevskaia. Dokl. AN SSSR 153 no. 1:208-211 S '63.

GEOGRAPHICAL NAMES see Names, Geographical

GEOGRAPHICAL SOCIETIES see subdivision under Kazakhstan; Moscow

GEOGRAPHICAL SOCIETIES—HANDBOOKS MANUALS, ETC.

Geograficheskoe obshchestvo SSSR. [Manual] Spravochnik. Leningrad, 1962. 148 p.

GEOGRAPHY
(see also subdivision under Altai Mountains; Cuba; Poland)

Participation of the Oriental Committee in the work of the 25th International Congress of Orientalists. Mat. Vost. kom. Geog. ob-va SSSR no. 1:70-71 '62.

GEOGRAPHY—ABSTRACTS

[Geography] Ref. zhur.: Geog. no. 10 O '63.

GEOGRAPHY—AUDIO-VISUAL AIDS

Visual aids of the geographical faculty. I. V. Samoilov, P. N. Lebedev. Uch. zap. MGPI no. 159, 63-78 '60.

GEOGRAPHY—STUDY AND TEACHING
(see also subdivision under Vinnitsa Province)

Committee on spreading the knowledge of geography. A. V. Egor'eva. Izv. Vses. geog. ob-va 95 no. 4:329 Jl-Ag '63.

Geography at the Havana University. B. N. Semevskii. Izv. Vses. geog. ob-va 95 no. 4 351-353 Jl-Ag '63.

Main problems of the contents of school geography. P. G. Kochergin. Izv. Vses. geog. ob-va 95 no. 4:346-351 Jl-Ag '63.

Organizing a specialized seminar on the physical geography of the U. S. S. R. in the third and fourth years of the Geographical Faculty of the Moscow State Pedagogical Institute. A. A. IAtsenko. Uch. zap. MGPI no. 159 53-62 '60.

Practice that is worth following. S. I. Vinnyk. Rad. shk. 42 no. 7:77-78 Jl '63.

GEOGRAPHY—TEACHER TRAINING

Some new problems in the training of geography teachers. I. V. Samoilov. Uch. zap. MGPI no. 159:5-11 '60.

GEOGRAPHY, ECONOMIC
(see also subdivision 'Economic geography' under Central Industrial region, Irkutsk Province, Kiev Economic region; United States, Vakhsh Valley)

Danilov, A. D. [Economic regions of the central and northwestern parts of the R. S. F. S. R.] Ekonomicheskie raiony TSentra i Severo-Zapada RSFSR; uchebnoe posobie. Moskva, Mosk. in-t narodnogo khoz., 1963. 143 p.

GEOGRAPHY, HISTORICAL—MAPS

Atlas of the history of the U. S. S. R. containing information on recent and modern history. E. P. Kuchborskaia, V. F. Krempol'skii. Geod. i kart. no. 6:50-55 Je '63.

GEOGRAPHY, MEDICAL—CONGRESSES

The First Conference on the Problems of Medical Geography. O. V. Shkunlatov Izv. Vses. geog. ob-va 95 no. 4:393-394 Jl-Ag '63.

GEOLOGICAL MODELING

Distribution of stresses in bottoms. V. I. Nikolin. Trudy Inst. gor. dela UFAN SSSR no. 5, 61-63 '63.

Study of the structural weakness of fractured rocks by modeling their strength under laboratory conditions. D. N. Kim. Trudy Inst. gor. dela UFAN SSSR no. 5:87-105 '63.

GEOLOGICAL SOCIETIES

Activity of geological sections of the Moscow Naturalists' Society. Biul. MOIP, Otd. geol. 38 no. 3:123-132 My-Je '63.

GEOLOGICAL SURVEYS

Problems in improving the quality of engineering and geological investigations M. I. Kuznetskii. Transp. stroi. 13 no. 7 50-52 Jl '63.

GEOLOGICAL TIME
(see also subdivision under Yenisey Ridge)

Argon dating of biotites and their use in absolute geochronology. M. M. Rubinshtein. Trudy Geol. inst. AN Gruz. SSR. Geol. ser. 13:233-253 '63

A conference on geological time held at Moscow. V. I. Baranov. Vest. AN SSSR 33 no. 9:89-90 S '63.

Determination of the absolute age of monazites by the xenon method. IU. A. Shukolukov, S. L. Mirkina. Geokhimiia no. 7:699-701 Jl '63.

Determination of the age of iron-manganese concretions of the Indian and Pacific Oceans [with summaries in English]. D. S. Nikolaev, E. I. Efimova. Geokhimiia no. 7:678-686 Jl '63.

Geological synchronization and climatic stratigraphy. V. A. Zubakov. Sov. geol. 6 no. 8:49-66 Ag '63.

GEOLOGY
(see also subdivision under Caucasus; Kuban-Azov Lowland; Transbaikalia)

Bilibin, IU. A. [Selected works] Izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 4. 1963. 492 p.

Supplements. Biul. MOIP. Otd. geol. 38 no. 3:153-152 My-Je '63.

GEOLOGY—MAPS
(see also subdivision under Kazakhstan)

Practice of using high-precision magnetic surveying in mapping a zone of alkali metasomatosis. F. I. Manilov. Geofiz. sbor. no. 4:100-111 '63.

GEOLOGY—STUDY AND TEACHING

History of the geological education of railway engineers. B. M. Gumenskii. Sbor. trud. LIIZHT no. 100:3-20 '62.

GEOLOGY, ECONOMIC
(see also subdivision under Krivoy Rog Basin)

Possibility of using the differences in indices for estimating their variability. P. P. Bastan. Izv. vys. uchab. zav.; gor. zhur. 6 no. 7:74-84 '63.

GEOLOGY, STRATIGRAPHIC
(see also subdivision under Apsheron Peninsula, Baikal Lake region, Buzuluk Valley, Carpathian Mountain region, Caucasus, Caucasus, Northern, Chernyshev Ridge, Daghestan, Dnieper-Donets Lowland, Dnieper Valley, Donets Basin, Ili Depression, Karaçunda Basin, Karaultikh Range, Kendyktas Mountains, Khoper Valley, Kolva Valley, Komi A.S.S.R., Krivoy Rog Basin, Kuban-Azov Lowland, Kuznetsk Basin, Mangyshlak Peninsula, Ob' Valley, Pechora Valley, Podolia, Pripet Valley, Sakhandzha Valley, Shumikha region, Perm Province, Sochi region, Talysh Mountains, Taman Peninsula, Timan Ridge region, Transcarpathia, Ubinka Valley, Ural Mountain region, Vangyr Valley, Voronezh Province, Yakutia)

Boundary between the Cambrian and the Pre-Cambrian, T.N. Spizharskii, Sov. geol. 6 no 8,40-48 Ag '63.

Boundary of the Silurian and Devonian; concerning O.I. Nikiforova and A.M. Obut's articles. L.L. Khalfin. Trudy SNIIGGIMS no 23 175-177 '62.

Geological synchronization and climatic stratigraphy, V.A. Zubakov. Sov. geol. 6 no 8:49-65 Ag '63.

Principles for the over-all division and correlation of the Pre-Cambrian. G.V. Voitkevich. Sbor. nauch. trud. KGRI no 3 29-44 '59.

Stages of the Paleogene system in the European part of the U.S.S.R. D.IE. Makarenko. Geol. zhur. 23 no 3 120-121 '63.

Stratigraphy of iron ore areas of the Krivoy Rog, Kremenchug, the Kursk Magnetic Anomaly, and northern Michigan. V.V. Besedin. Sbor. nauch. trud. KGRI no. 7, 45-55 '59.

GEOLOGY, STRUCTURAL
(see also subdivision under Apsheron Peninsula, Caucasus, Caucasus, Northern, Gay region, Orenburg Province, Georgia, Krivoy Rog Basin, Kura Valley, Mugodzhar Hills, Ossetia, North, Pechora Valley; Podolia, Russian Platform, Saratov Province, Siberia, Western, Timan Ridge region, Tugav Gates, Ural Mountain region, West Siberian Plain, White Sea region)

Characteristics of the second structural stage of the southern part of Western Siberia based on geological and geophysical data. I.K. Tuezov. Trudy SNIIGGIMS no. 27 7-24 '62.

Development of median massifs. Kh.M. Abdullaev, O.M. Borisov. Sov. geol. 6 no. 8 17-26 Ag '63.

The fifth V.I. Vernadskii Lecture. A.B. Ronov. Geokhimiia no 7:708-709 Jl '63.

Physical and geophysical problems in the theory of tectonic movements. S.I. Subbotin, I.Sh. Rakhmova. Geofiz. sbor., no. 4 3-13 '63.

Study of the development of fractocontormable tectonic structures by the method of lithological and statistical analysis. G.A. Kalcda. Dokl. AN SSSR 151 no 3 655-658 Jl '63.

Types of metallogenic provinces in the fold areas of the U.S.S.R. A.I. Semenov. Geol. rud. mestorozh. 5 no 4 3-23 Jl-Ag '63.

GEOLOGY, STRUCTURAL—MAPS see subdivision under Europe

GEOMETRICAL DRAWING—EQUIPMENT AND SUPPLIES

Device for drawing rectangular isometric projections. M.M. Iuditskii, G.G. Makukha. Vest. mashinostr. 43 no 8 88-89 Ag '63.

GEOMETRICAL OPTICS see Optics, Geometrical

GEOMETRY—STUDY AND TEACHING

Studying geometry in elementary schools. A.M. Pyshkalo. Nach. shkola 31 no. 10 80-84 O '63.

Use of mechanical models in demonstrating the properties of geometric transformations. N.D. Burenin. Mat. v shkole no 4:55-60 Jl-Ag '63.

Use of sequences of right triangles in solving geometric problems. A.I. Volkhonskii. Mat. v shkole no. 4:43-54 Jl-Ag '63.

Teaching the ninth grade geometry course in the 1963/64 school-year. I.S. Petrakov. Mat. v shkole no. 4:69-70 Jl-Ag '63.

GEOMETRY, ALGEBRAIC

Arithmetic of rational surfaces. IU.I. Manin. Dokl. AN SSSR 152 no. 1:46-49 S '63.

GEOMETRY, DESCRIPTIVE

Brilling, R.S. [Descriptive geometry] Nachertatel'naia geometriia, lektsii, metodicheskie ukazaniia i kontrol'nye raboty dlia studentov zaochnykh institutov. Khar'kov, Izd-vo Khar'kovskogo univ., 1962. 216 p.

Kireeva, R.A. [Shadows in orthogonal and axonometric projections] Teni v ortogonal'nykh i aksonometricheskikh proektsiiakh; rukovodstvo dlia studentov NIIZhTa stroitel'nykh spetsial'nostei. Novosibirsk, Novosibirskii in-t inzhenerov zheldor. transporta, 1963. 20 p. [MICROFILM]

GEOMETRY, DESCRIPTIVE—BIBLIOGRAPHY see Bibliography—Geometry, Descriptive

GEOMETRY, DESCRIPTIVE—PROBLEMS, EXERCISES, ETC.

Kuznetsov, A.I., and F.V. Bellaev. [Problems in descriptive geometry] Sbornik zadach po nachertatel'noi geometrii. 2.izd., dop. Moskva, Mashgiz, 1963. 105 p.

GEOMETRY, NON-EUCLIDEAN

Curvature of lines in Lobachevskii's geometry. L.I. Gavrilov. Uch. zap. Ped. inst. Gerts. 197 212-214 '58.

IAglom, I.M. [Complex numbers and their use in geometry] Komplekstnye chisla i ikh primenenie v geometrii. Moskva, Fizmatgiz, 1963. 191 p.

GEOMORPHOLOGY see subdivision under Armenia

GEOPHYSICS

Pospelov, P.A. [Physics and petroleum] Fizika i neft', Moskva, Izd-vo "Znanie," 1963. 29 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia. Fizika i khimiia, no. 16)

GEOPHYSICS—ABSTRACTS

[Geophysics] Ref. zhur. Geofiz. no. 10 O '63.

GEORGIA—AGRICULTURE—ACCIDENTS

TSereteli, B.Sh. [Agricultural traumatism in the Georgian S.S.R. and measures for its control] Sel'skokhoziaistvennyi travmatizm v Gruzinskoi SSR i mery bor'by s nim. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1962. 203 p.

GEORGIA—CRIMINAL PROCEDURE

Some gaps in the criminal procedure code of the Georgian S.S.R. P. Tonoian. Sots. zakon. 40 no. 7 31 Jl '63.

GEORGIA—FIRES AND FIRE PREVENTION

With the help of volunteer workers. V. Baramidze. Pozh. delo 9 no. 8 30 Ag '63.

GEORGIA—GASTROPODA, FOSSIL

Some Lower Cretaceous Gastropoda in western Georgia. T.K. Dvali. Trudy Geol. inst. AN Gruz. SSR Geol. ser. 13:37-49 '63.

GEORGIA—GEOLOGY, STRUCTURAL

Geology and development of recent troughs in the Mukhrani and Bazaleti regions. L.V. Kogoshvili. Trudy Geol. inst. AN Gruz. SSR, Geol. ser. 13:209-231 '63.

GEORGIA—HEALTH RESORTS, WATERING PLACES, ETC.

Role of the physicians of the Tiflis Military Hospital in the development of the Georgian health resorts. V.V. Pirozhkov. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:445-447 S-O '62.

GEORGIA—JUMPING

Broad jump with a pole. V.I. Elashvili. Sbor. trud. Gruz. gos. inst. fiz. kul't. 5:267-282 '62.

GEORGIA—LAMELLIBRANCHIATA, FOSSIL

Some new and little known Middle Miocene bivalves. A.A. Chikovani. Trudy Geol. inst. AN Gruz. SSR Geol. ser. 13 197-207 '63.

GEORGIA—LEGUMES—DISEASES AND PESTS

Bruchid weevils on legumes. I.D. Batiashvili, N.L. Elerdashvili. Zashch. rast. ot vred. i bol. 8 no. 7:51 Jl '63.

GEORGIA—MOLLUSKS, FOSSIL

Some representatives of the Middle Jurassic fauna in western Georgia. V.I. Zesashvili. Trudy Geol. inst. AN Gruz. SSR Geol. ser. 13:5-35 '63.

GEORGIA—PALEONTOLOGY, STRATIGRAPHIC

Fauna of Santonian-Daman sediments in the periphery of the Loka and Khrami massifs [in Georgian with summary in Russian]. R.A. Gambashidze. Trudy Geol. inst. AN Gruz. SSR. Geol. ser. 13:161-196 '63.

Fauna of Senomanian-Turonian sediments in the periphery of the Loka and Khrami massifs [in Georgian with summary in Russian]. R.A. Gambashidze. Trudy Geol. inst. AN Gruz. SSR. Geol. ser. 13:109-160 '63.

GEORGIA—PHYSICAL EDUCATION AND TRAINING

Physical culture in Georgia in the 16th-18th centuries. M.A. Gorgadze. Sbor. trud. Gruz. gos. inst. fiz. kul't. 5:203-213 '62.

GEORGIA—SPORTS

Gorgadze, M.A. [Physical culture and sports in Georgia] Fizkul'tura i sport v Gruzii. Tbilisi, Izd-vo "Zaria Vostoka," [1959] 20 p. (Vystavka dostizhenii narodnogo khoziaistva SSSR. Pavil'on Gruzinskoi SSR)

GEORGIA—WEEVILS

Bruchid weevils on legumes. I.D. Batiashvili, N.L. Elerdashvili. Zashch. rast. ot vred. i bol. 8 no. 7:51 Jl '63.

GEORGIA—WOMEN—HEALTH AND HYGIENE

Anthropometric indices of female students of the Georgian State University (1st and 2d years). G.IA. Dolidze. Sbor. trud. Gruz. gos. inst. fiz. kul't. 5:221-224 '62.

GEORGIAN HYMNS see Hymns, Georgian

GEORGIAN MANUSCRIPTS see Manuscripts, Georgian

GEORGIAN PAINTINGS see Paintings, Georgian

GEORGIANS—ANTHROPOMETRY

Anthropometric indices of female students of the Georgian State University (1st and 2d years). G.IA. Dolidze. Sbor. trud. Gruz. gos. inst. fiz. kul't. 5:221-224 '62.

GEORGIYEVSK REGION—AGRICULTURAL WORK[illegible]

Machine operator [illegible] mekh. no 5 8-9 My '63.

GERANIUM see subdivision under Sayan Mountains

GERBILS see subdivision under Volga-Ural region

GERBILS—PARASITES see Parasites—Gerbils

GERIATRICS

Acute appendicitis in elderly and senile patients, according to material of a district hospital for active [illegible] od. V.A. Mikhal'chanta. Sov. med. 27 no. 7 [illegible] '63.

Age related changes in the heat coagulation of human blood plasma. V.V. Alpatov, I.P. Obukhova [illegible] antr. no. 1:111-111 '62.

Characteristics of human disease in elderly persons according to data of pathoanatomical autopsies [with summary in English]. V.M. Pinchuk. Terap. arkh. [illegible] 91 Ja '63.

Clinical aspects of thyrotoxicosis in elderly and senile patients [with summary in English]. I.I. [illegible] Vrach. delo no 8 75-78 Ag '63.

Effect of ascorbic acid on the functional state of the renal cortex in elderly persons [with summary in English]. B.I. Smolianskii. Terap. arkh. 35 no. 6 [illegible] Ju '63.

Lutsenko, S.M. [Peritonitis at an elderly and senile age, clinical, experimental and morphological study.] Peritonit v pozhilom i starcheskom vozraste, klinicheskoe eksperimental'no-morfologicheskoe issledovanie. Kishinev, Izd-vo "Shtiintsa" Akad. nauk Moldavskoi SSR, 1962. 214 p. (DNLM)

Roentgenological characteristics of the course of pulmonary tuberculosis in elderly and senile patients in the process of antibacterial therapy [with summary in English]. B.P. IAshchenko, V.Z. Demina. Ve[illegible] rad. 38 no. 2:37-42 Mr-Ap '63.

State of the cardiovascular system in elderly patients following fracture of the hip and leg bones [illegible] rovu. Sov. med. 27 no. 7 39-44 Jl '64.

GERMAN DEMOCRATIC REPUBLIC see Germany, East

GERMAN FEDERAL REPUBLIC see Germany, West

GERMAN LANGUAGE—ADJECTIVE

Adjective in the German dialect of the village of Ignatovka in the Altai. A.I. Kuz'minna. Uch. zap. [illegible] no. 2:91-101 '62.

GERMAN LANGUAGE—AUDIO-VISUAL AIDS

German calendar. L.I. Kozmina. Inostr. iaz. v shkole no. 3:90-93 My-Je '63.

Room of the country whose language is studied. E.P. Agranovskaia. Inostr. iaz. v shkole no. 4:108-111 Jl-Ag Je '63.

GERMAN LANGUAGE—CLAUSES

Means of expressing the future in conditional clauses in German. A.B. Gorshtein. Uch. zap. TGPI [illegible] 102-111 '62.

GERMAN LANGUAGE—GRAMMAR

Grammatical patterning. M.D. Stepanova. Inostr. iaz. v shkole no. 3:3-9 My-Je '63.

GERMANIC LANGUAGES—MORPHOLOGY

Akademiia nauk SSSR. Institut iazykoznaniia. [Comparative grammar of the Germanic languages in five volumes] Sravnitel'naia grammatika germanskikh iazykov v piati tomakh. Glav. red. M.M. Gukhman i dr. [illegible] skva, Izd-vo Akad. nauk SSSR.
Vol. 3. [Morphology] Morfologiia. 1963. 455 p.

GERMAN LANGUAGE—STUDY AND TEACHING

Creative works. T.G. Shcherbiuk. Inostr. iaz. v shkole no. 3:88-89 My-Je '63.

Education in the process of correspondence. R.I. [illegible] goreskaia. Inostr. iaz. v shkole no. 3:85-88 My-Je '63.

Festival in a Rostov-on-Don school. E.IA. Liatko. Inostr. iaz. v shkole no. 3:117-118 My-Je '63.

German language. G.I. Gunov. Inostr. iaz. v shkole no. 3:118-120 My-Je '63.

Patterning of oral speech for methodological purposes. I.L. Bim. Inostr. iaz. v shkole no. 3:39-50 My-Je '63.

Verse and songs in class. O.I. Dvladova. Inostr. iaz. v shkole no. 3:95-97 My-Je '63.

Working with a newspaper. V.F. Bauman. Inostr. iaz. v shkole no. 3:81-84 My-Je '63.

GERMAN LANGUAGE—TENSE

Means of expressing the future in conditional clauses of German. A.B. Gorshtein. Uch. zap. TGPI 20 no. [illegible] 102-111 '62.

GERMAN LITERATURE—HISTORY AND CRITICISM

Beginning of a great work. S. Rozhnovskii. Vop. lit. [illegible] no. 7:177-184 Jl '63.

GERMANIUM

Anisotropic electron scattering in Ge and Si. I.V Dakhovskii. Fiz.tver.tela 5 no.8:2332-2338 Ag '63

Conditions governing the accumulation and characteristics of the distribution of germanium in iron ores. G.S. Momdzhi, V.M Grigor'ev, V.F Churbakov. Min.syr'e no.7 28-33 '63

Effect of impurities on the anomalous transmission of X rays in germanium. O.N Efimov, A.M. Elistratov. Fiz.tver.tela 5 no.7 1869-1870 Jl '63

Interzonal Faraday effect in germanium in a high magnetic field. L.I. Korovin, E.V. Kharitonov. Fiz.tver.tela 5 no.7 2035-2038 Jl '63.

Use of the methods of mathematical statistics in analyzing the accumulation of germanium in coal. L. IA Kizil'shtein, N.N. Siuniakova. Dokl. AN SSSR 151 no.1 196-197 Jl '63.

GERMANIUM—ELECTRIC PROPERTIES

Studies on electronic processes on germanium surfaces. A.V. Rzhanov. Trudy Fiz. inst. 20 3-125 '63

GERMANIUM—METALLURGY

Using modified sorbents for the selective recovery of germanium. Z.I. Matveeva, IU.S. Priess. TSvet.met. 36 no.8 69-71 Ag '63.

GERMANIUM-ALUMINUM-INDIUM ALLOYS

Hole mobility in germanium alloyed with aluminum and indium. O.A. Golikova, A.G. Orlov. Fiz.tver.tela 5 no.7:1908-1912 Jl '63.

GERMANIUM CHLORIDES

Hydrolysis of germanium tetrachloride. E.A. Kniazev. TSvet. met. 36 no.8:63-66 Ag '63.

GERMANIUM CRYSTALS

Combined resonance in deformed p-Ge. G.E. Gurgenishvili. Fiz.tver.tela 5 no.8:2070-2074 Ag '63.

GERMANIUM CRYSTALS—DEFECTS

Defects in germanium caused by γ-rays. N.A. Vitovskii and others. Fiz.tver.tela 5 no.7:1833-1841 Jl '63.

Energy levels in germanium due to fast neutron bombardment. R.F. Konopleva, S.R. Novikov, S.M. Ryvkin. Fiz.tver.tela 5 no.7:1842-1851 Jl '63.

Radiation defects in germanium caused by fast 28 Mev. electrons. B.M. Konovalenko, S.M. Ryvkin, I.D. IAroshetskii. Fiz.tver.tela 5 no.8 2075-2080 Ag '63.

GERMANIUM CRYSTALS—GROWTH

Growth of thin germanium films on germanium seed crystals using the "closed tube" method. V.K Andrianshun and others. Kristallografiia 8 no.5 681-686 Jl-Ag '63

GERMANIUM-IRON ALLOYS see Iron-germanium alloys

GERMANIUM ORGANIC COMPOUNDS—ELECTRIC PROPERTIES

Relative electronegativity of germanium and silicon in organic compounds. V.F. Mironov, A.L. Kravchenko. Izv. AN SSSR. Ser.khim. no.9:1563-1570 S '63.

GERMANIUM SULFIDE

Rate of sublimation of germanium sulfide in a stream of nitrogen. Gen.N. Sosnovskii, M.A. Abdeev, N.I. Mikhailov. Trudy Alt.GMNII AN Kazakh.SSR 14:117-122 '63.

Sulfide and disulfide of germanium. Gen.N. Sosnovskii, M.I. Abdeeva. Trudy Alt.GMNII AN Kazakh.SSR 14: 114-116 '63.

GERMANY—COMMUNIST PARTY

A page from the heroic history of the Communist Party of Germany. N.I. Kudriavtseva. Vop.ist. 38 no.8: 189 Ag '63.

Spartacus Group's attitude toward the October Revolution. A.M. Filitov. Vop.ist. 38 no.7:192-193 Jl '63.

GERMANY—FOREIGN RELATIONS

An American historian evaluates the publication of German diplomatic documents. K.B. Vinogradov. Vop. ist. 38 no.8:195-196 Ag '63.

GERMANY—HISTORY

Davidovich, D.S. [The revolutionary crisis of 1923 in Germany and the Hamburg uprising] Revoliutsionnyi krizis 1923 g. v Germanii i Gamburgskoe vosstanie. Moskva, Sotsekgiz, 1963. 335 p.

Establishment of the Hitlerite dictatorship in the interpretation of a Bonn periodical. V.I. Salov. Vop.ist. 38 no.8:198-199 Ag '63.

"German history from the late Middle Ages to the Revolution of 1848" by A.D. Epshtein. Reviewed by S.D. Skazkin, M.A. Barg, V.M. Lavrovskii. Vop.ist. 38 no.7:149-153 Jl '63.

Uprising of the Ruhr proletariat in March 1920 [with summary in English, p.222]. F.I. Pankevich. Vop.ist 38 no.7:97-109 Jl '63.

A tendentious conception of German history. IU.L. Bessmertnyi. Vop.ist. 38 no.8:199-201 Ag '63.

GERMANY—HISTORY—SOURCES

An American historian evaluates the publication of German diplomatic documents. K.B. Vinogradov. Vop ist. 38 no.8:195-196 Ag '63.

GERMANY—LABOR AND LABORING CLASSES

Scholars of the German Democratic Republic are studying the history of the German labor movement. F.I. Pankov. Vop.ist. 38 no.7:188 Jl '63.

GERMANY, EAST—ART—EXHIBITIONS

On a new road. Lea Grundig. Iskusstvo 26 no.5 49-50 '63.

GERMANY, EAST—BIBLIOGRAPHY

[New literature on the German Democratic Republic] Nov.lit.po Ger. Dem. Resp. no.6 '63

GERMANY, EAST—CHALK

Gratifying changes. Sov.profsoiuzy 19 no.14:39 Jl '63.

GERMANY, EAST—COMMUNIST PARTY

In the new stage. Werner Krolikovskii. Agitator no.12 26-28 Je '63.

GERMANY, EAST—CRIME AND CRIMINALS

Brief information. Vop.krim. no.6/7:256 '62.

GERMANY, EAST—DESCRIPTION AND TRAVEL

Poliovats'kyi, O.I. [From east to west; travel impressions: Czechoslovakia, Democratic Germany, France] Zi skhodu na zakhid, podorozhni vrazhennia: Chekhoslovachchyna, Demokratychna Nimechchyna, Frantsiia Kyiv, Radians'kyi pys'mennyk, 1959. 169 p (WaU)

GERMANY, EAST—ECONOMIC CONDITIONS

Building the material and technical foundation of socialism in the German Democratic Republic. A. Tclefus. Vop.ekon. no.8 133-141 Ag '63.

Stolpovskii, B.G. [The German Democratic Republic is building socialism] GDR stroit sotsializm. Moskva, Gospolitizdat, 1962. 93 p.

GERMANY, EAST—EDUCATION

Development of public education in the German Democratic Republic in the light of the decisions of the Sixth Congress of the German Socialist Unity Party. V. Klarin, M. Sokoleva. Sov.pedag. 27 no.7:158-160 Jl '63.

GERMANY, EAST—ELECTRICITY IN AGRICULTURE—SAFETY MEASURES

Measures for livestock protection on electrified farms in the German Democratic Republic. V. Konovalov Tekh.v sel'khoz. 23 no.5:78-79 My '63.

GERMANY, EAST—FOREIGN RELATIONS—RUSSIA

Berlin says: "Willkommen!" Günther Linde. Ogonek 41 no.28:1 Jl '63.

GERMANY, EAST—HISTORICAL RESEARCH

Scholars of the German Democratic Republic are studying the history of the German labor movement. F.I. Pankov. Vop.ist. 38 no.7:188 Jl '63.

GERMANY, EAST—HISTORY—PERIODICALS

"Beitrage zur Geschichte der Deutschen Arbeiterbewegung," an East German periodical. A.I. Borozniak. Vop.ist. 38 no.7:178-183 Jl '63.

GERMANY, EAST—LIBRARIES, CHILDREN'S

Library service for children in the German Democratic Republic. E.S. IAshkina. Bibliotekoved. i bibl.za rub. no.11:34-42 '63.

GERMANY, EAST—MOTION PICTURES, DOCUMENTARY

"The Russian miracle," P. Moskovskii. Agitator no.12, 11-13 Je '63.

GERMANY, EAST—PHOTOGRAPHIC OPTICS

Photographic optics at the Lepzig Spring Fair of 1962. Tekh.kino i telev. 6 no.4:95 Ap '62.

GERMANY, EAST—POTATO DIGGER (MACHINE)

Mechanization of potato harvesting in the German Democratic Republic. S.A. Gerasimov, K.S. Kozlura. Mekh. i elek.sots.sel'khoz. 21 no.4:58-61 '63.

GERMANY, EAST—RADIOLOGY, MEDICAL—CONGRESSES

Seventh Congress of Roentgenologists and Radiologists of the German Democratic Republic. B. IA. Luk'ianchenko. Vest.rent.i rad. 38 no.2:88-89 Mr-Ap '63.

GERMANY, EAST—STATISTICS, MEDICAL

Incidence of disease among the rural population in the German Democratic Republic. G. Knabe. Sov.zdrav. 22 no.6:76-80 '63.

GERMANY, EAST—WOMEN—EMPLOYMENT

May Day. Zhen.mira no.5:4 '63.

GERMANY, WEST—ANCHORAGE

Mooring with the help of electromagnets. V. Meleshkin, G. Meleshkin. Mor.flot 23 no.5:38-39 My '63.

GERMANY, WEST—BOILERS, MARINE

High steam output boilers for marine steam turbine plants. Sudostroenie 29 no.5 57-60 My '63

GERMANY, WEST—COKE INDUSTRY—BY-PRODUCTS

Manufacture of coking by-products in the German Federal Republic during 1960. M. Feldbain. Koks i khim. no.10,62 '62

GERMANY, WEST—ELECTRIC METERS

Electric meter with magnetic load relief. IA. E. Volfkovich. Prom.energ. 18 no.8,52 Ag '63.

GERMANY, WEST—ELECTRIC POWER

Anticipated increase in the demand for electric power by industrial enterprises and other consumers in the German Federal Republic in 1975. IA F Volfkovich. Prom.energ. 18 no.8 50-51 Ag '63.

GERMANY, WEST—FERTILIZERS AND MANURES

Chemicalization of agriculture in the Federate Republic of Germany. V.I. Duka. Zemledelie 25 no.9 92-91 S '63

GERMANY, WEST—FOREIGN ECONOMIC RELATIONS—UNDERDEVELOPED AREAS

Liubskii, M.S., and G.O Sokol'nikov. [Penetration of the imperialism of the German Federal Republic in underdeveloped countries] Proniknovenie imperializma FRG v slaborazvitye strany. Moskva, Sotsekgiz, 1963. 180 p.

GERMANY, WEST—FOREIGN RELATIONS

A bad microclimate: correspondence from Bonn. A. Grigor'iants. Nov.vrem. 21 no.31.9-10 Ag '63.

The Bonn peacebreakers. E. Grigor'eva. Nov.vrem. 21 no.36:14-15 S '63.

GERMANY, WEST—INDUSTRIES

Liubskii, M.S., and G.O. Sokol'nikov. [Penetration of the imperialism of the German Federal Republic in underdeveloped countries] Proniknovenie imperializma FRG v slaborazvitye strany. Moskva, Sotsekgiz, 1963. 180 p.

GERMANY, WEST—INLAND WATER TRANSPORTATION

Different systems, different ways. A. Muraviev, E. Zin'. Rech.transp. 22 no.7 18-20 Jl '63.

GERMANY, WEST—MARINE ACCIDENTS

Procedure in the investigation of marine accidents in England and the German Federal Republic. A.IA. Volekhobskii. Inform.sbor. TSNIIMF no.56. Mor.pravo i prak. no.11 18-24 '60.

GERMANY, WEST—MUNITIONS

Economy of militarism and "revanchism." Kommunist 40 no.14 110-117 O '63

GERMANY, WEST—NATIONAL SOCIALISM

Neo-Nazism and its schemes. Ernst Henri. Kommunist 40 no.14 118-123 O '63.

GERMANY, WEST—POLITICS AND GOVERNMENT

Neo-Nazism and its schemes. Ernst Henri. Kommunist 40 no.14,118-123 O '63

GERMANY, WEST—RAILROADS—TRACK

Laying railroad tracks in the German Federal Republic. A.N Sessarevskii. Transp.stroi. 13 no.7 68-70 Jl '63

GERMANY, WEST—SHIPBUILDING

West-German built ships. Sudostroenie 29 no.7:73-75 Jl '63.

GERMANY, WEST—SOCIAL CLASSES

Study of an important sociological problem. E. Gnedin. Mir.ekon.i mezhdunar.otn. no.8:154-155 '63.

GERMANY, WEST—STUDENTS, FOREIGN

Farewell citadel of revanchism! [with English summary in insert]. B. Potapovskii. Aziia i Afrika segodnia no.8:26-27 Ag '63.

GERMANY, WEST—TRIALS (LIBEL)

The accused accuses his accusers. A. Gurkov. Sov. iust. no.14:23-25 Jl '63.

GERMANY, WEST—WAR CRIME TRIALS

Nazi war criminals must be severely punished. N. Alekseev. Sots.zakon. 40 no.7.77-80 Jl '63.

GERMANY, WEST—WOMEN AND PEACE

News from everywhere. Zhen.mira no.5:4-5 '63.

GERMINATION

(see also subdivision under Pamirs)

Conditions of seed germination of the Volga hedge mustard (Sisymbrium wolgense M.B.). V.A. Sharova. Nauch.dokl.vys.shkoly; biol.nauki no.3:113-118 '63.

Effect of continuous below-freezing temperatures on the germinating and biochemical properties of corn seeds. IU.S. Rall'. Dokl.TSKHA no.62:491-496 '61.

Some data on the germination of tree and shrub seeds. M. Dzhamankulov. Izv.AN Kir.SSR.Ser.biol.nauk 5 no.2:53-61 '63.

GHANA—DESCRIPTION AND TRAVEL

Friendly Ghana. A. Fegov. Ogonek 41 no. 29:26-27 Jl '63

GIARDIASIS

Pancreatic function in lambliasis. N. A. Birg. Kaz. med. zhur. no. 3 31-32 My-Je '63

GIBBERELLIN

Effect of gibberellin on the growth and development of tomato seedlings under unheated cultivation. G. I. Tarakanov, L. A. Penkhov, N. P. Vinke. Dokl. TSKHA no. 62 357-364 '61.

Effect of gibberellin on tobacco. V. I. Chirkovskii. Agrobiologiia no. 4 621-623 Jl-Ag '63.

GISSAR RANGE—ROCKS, IGNEOUS—ANALYSIS

Possibility of using an iron oxidation coefficient for the classification of igneous rocks [with summary in English]. S. I. Shchukin. Geokhimiia no. 8 759-766 Ag '63.

GIZHDUVAN DISTRICT—COLLECTIVE FARMS—AUDITING AND INSPECTION

Swindlers should be exposed. I. Kalandarov. Part. zhizn' [Uzb.] 6 no. 7 74-75 Jl '63.

GIZHDUVAN DISTRICT—COLLECTIVE FARMS—MANAGEMENT

Militant helpers. R. Kurbanov. Part. zhizn' [Uzb.] 6 no. 7 65-68 Jl '63.

GLACIOLOGICAL RESEARCH see subdivision under Pskem Valley

GLACIOLOGY

Are glaciers a cause or a consequence of the change in the climate? O. Perfilova. Tekh. mol. 31 no. 9 5-7 '63.

GLADKOV, FEDOR VASIL'EVICH, 1883-1958

Fedor Gladkov, on the 80th anniversary of his birth. Maryna Barstok. Rab. i sial. 39 no. 6 20 Je '63.

GLANDS, ODORIFEROUS

Rudiments of odoriferous glands in the pupae of the family Scarabaeidae [with summary in English]. L. V. Puchkova. Zool. zhur. 42 no. 8:1266-1268 '63.

GLASS

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. 1, Sec. V, ch. 16. [Sheet glass and glass products] Steklo listovoe i stekliannye izdeliia (SNiP I-V. 16-62). 1963. 16 p.

Structural changes in certain glasses during the formation of sitalls. E. S. Sorkin, N. M. Vaisfel'd. Dokl. AN SSSR 151 no. 3 628-630 Jl '63.

Use of macroporous glasses in gas adsorption chromatography for separating liquid hydrocarbons. A. V. Kiselev, IA. I. IAshin, S. P. Zhdanov. Neftekhimiia 3 no. 3 417-424 My-Je '63.

GLASS, OPTICAL

Method of attaching windows of optical crystals to lamps and cuvettes. A. K. Fiveiskaia, S. A. IAkovlev. Zav. lab. 29 no. 8:1007 '63.

GLASS PIPE see Pipe, Glass

GLASS REINFORCED PLASTICS

Cost of products made of glass plastics. L. S. Rakhman. Sudostroenie 29 no. 5:42-45 My '63.

Use of glass-reinforced plastics as ground protection layer in the building of embankments. N. Viazemskaia, V. Zubkov. Rech. transp. 22 no. 7:51 Jl '63.

GLASS REINFORCED PLASTICS—TESTING

Methods for determining parameters of the high-elastic deformation of oriented glass plastics. A. A. Nikishin. Standartizatsiia 27 no. 7:28-32 Jl '63.

GLAUCOMA

(see also subdivision under Moscow)

Cataract extraction in an eye with primary glaucoma [with summary in English]. L. S. Vysotskaia-Gudkova. Uch. zap. GNII glaz. bol. no. 8:154-157 '63.

Further observations on the results of the use of cataract extraction combined with iridencleisis in glaucoma patients [with summary in English]. F. IA. Mogilevskaia. Uch. zap. GNII glaz. bol. no. 8:143-148 '63.

Intracapsular extraction of a cataract in glaucoma [with summary in English]. A. L. Klykova. Uch. zap. GNII glaz. bol. no. 8:148-153 '63.

Results of sanatorium and health-resort treatment of patients with primary glaucoma [with summary in English]. A. V. Suprun. Uch. zap. GNII glaz. bol. no. 8:239-243 '63.

Results of 700 Lagrange-Holth operations in V. P. Filatov's modification [with summary in English]. F. IA. Mogilevskaia. Uch. zap. GNII glaz. bol. no. 8:214-227 '63.

Sanatorium and health-resort treatment of patients with primary glaucoma [with summary in English]. A. V. Suprun. Uch. zap. GNII glaz. bol. no. 8:228-238 '63.

Senile cataract in primary glaucoma [with summary in English]. T. V. Zubareva. Uch. zap. GNII glaz. bol. no. 8:80-83 '63.

GLAUCONITE see subdivision under Tajik Depression

GLEZOS, MANOLES, 1922-

Manolés Glezos in the editor's office of "Novoe vremia." Nov. vrem. 21 no. 34 16-17 Ag '63.

GLIADINS

Heats of combustion of wheat gliadin during its thermal denaturation. V. V. Ponomarev and others. Dokl. AN SSSR 152 no. 1:151-152 S '63.

GLIDING AND SOARING

(see also subdivision under Liepaja)

First wings. K. Artseulov. Kryl. rod. 14 no. 7:27-29 Jl '63.

Records in soaring. IA. Rudnitskii. Kryl. rod. 14 no. 9 30 S '63.

The 17th record. Kryl. rod. 14 no. 7 7 Jl '63.

Tactics of a formation soaring flight. V. Il'chenko. Kryl. rod. 14 no. 7 36-37 Jl '63.

Twenty three thousand kilometers in gliders. K. Egorov. Kryl. rod. 14 no. 9:28-29 S '63.

GLUCOSE

Analogs of enzymes of carbohydrate metabolism. Report No. 3: Synthesis of 5-thiouridine diphosphate glucose. N. K. Kochetkov and others. Izv. AN SSSR, Ser. khim. no. 9:1592-1600 S '63.

Zharova, E. IA. [New method for the manufacture of glucose] Novyi metod poluchentia glukozy. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 36 p. [MICROFILM]

GLUCOSE—THERAPEUTIC USE

Some reactions of diphtheria patients to intravenous administration of glucose. V. N. Bychkova'kyi. Ped., akush. i gin. 25 no. 2:5-8 '63.

GLUE

Gorlainova, T. S. [Chemical products for domestic use] Tovary bytovoi khimii. Moskva, Gos. izd-vo torgovoi lit-ry, 1963. 79 p. (Dlia doma, dlia sem'i)

GLUING

Strength of glued joints. A. P. Kalmychkov, B. F. Prokhorov. Sudostroenie 29 no. 5:38-41 My '63.

GLUTARIC ACID

Preparation of glutaric acid by the oxidation of cyclopentanone with oxygen. V. B. Fal'kovskii and others. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2:344-345 '63.

GLUTEN

Amphotericism of proteins as demonstrated by glutenin. I. M. Gaponenko. Khim. v shkole 18 no. 3:82-83 My-Je '63.

GLYCEROL

Complex formation of iron (III) with glycerol and mannitol in an alkaline medium. I. V. Platnitskii, A. Kh. Klibus. Ukr. khim. zhur. 29 no. 5:463-472 '63.

GLYCIDOL

Obtaining polymers of glycidol esters in the presence of acid type catalysts. M. F. Sorokin, L. S. Mikhailova. Lakokras. mat. i ikh prim. no. 3 6-11 '63.

GLYCINE

Inclusion of C^{14}-labeled glycine in the hematopoietic cells of patients with leukemia [with summary in English]. G. I. Kozinets, G. V. Osechenskaia. Med. rad. 7 no. 11 53-59 N '62.

Observation of the domain structure of triglycine sulfate by means of an electron mirror. G. V. Spivak and others. Izv. AN SSSR, Ser. fiz. 27 no. 9:1199-1202 S '63.

GLYCOLALDEHYDE

Oxidation of D'-methoxy-D-hydroxymethyldiglycolaldehyde by nitrogen oxides. Z. I. Kuznetsova, V. I. Ivanov, V. M. Prostiakova. Izv. AN SSSR, Ser. khim. no. 9:1688-1690 S '63.

GLYCOLS

Polyethylene glycols and their derivatives [with summary in English]. T. M. Moshkina, A. N. Pudovik. Vysokom. soed. 5 no. 7:1106-1110 Jl '63.

GLYCOSIDES

Identity of gypsoside and triterpenic saponin obtained from Gypsophila paniculata L. A. IA. Khorlin, IU. S. Ovodov, R. G. Ovodova. Izv. AN SSSR, Ser. khim. no. 8:1521-1523 Ag '63.

Synthesis of new C-glycosides. IU. A. Zhdanov and others. Dokl. AN SSSR 152 no. 1:102-105 S '63.

Triterpenic saponins. Report No. 4: Structure of aralosides A and B. N. K. Kochetkov, A. IA. Khorlin, V. E. Vas'kovskii. Izv. AN SSSR, Ser. khim. no. 8:1398-1408 Ag '63.

Triterpenic saponins. Report No. 5: Structure of aralosides A and B. N. K. Kochetkov, A. IA. Khorlin, V. E. Vas'kovskii. Izv. AN SSSR, Ser. khim. no. 8:1409-1416 Ag '63.

GLYCOSIDES, CARDIAC see Cardiac glycosides

GLYOXIME

Electron paramagnetic resonance method used in studying copper (II) bis-dimethylglyoximate. K. M. Salikhov, IU. V. Timofeev, IU. V. IAblokov, A. V. Ablov. Dokl. AN SSSR 152 no. 1:160-163 S '63.

GOITER

(see also subdivision under Lvov Province)

Change in the ballistocardiogram in euthyroid goiter. E. N. Dormidontov. Vrach. delo no. 6:126-127 Je '63.

GOLD

(see also subdivision under Aldan Plateau; Yakutia)

Detecting gold in complex geochemical studies. K. P. Pakhomova, T. A. Vysotskaia. Trudy IAFAN SSSR Ser. geol. no. 10:75-80 '63.

Gold in the financial system of imperialism. O. Bogatyrev. Mir. ekon. i mezhdunar. otn. no. 8:63-72 '63.

GOLD—SPECTRA

Light absorption by silver and gold solutions. I. P. Kramatel. Zhur. nauch. i prikl. fot. i kin. 8 no. 5 [illegible] S-O '63.

GOLD-COPPER ALLOYS see Copper-gold alloys

GOLODNAYA STEPPE—FERTILIZERS AND MANURES

Using fertilizers in the virgin lands of the Golodnaya Steppe. G. P. Pershin and others. Zemledelie 25 no. 9:54-55 S '63.

GOLODNAYA STEPPE (NORTHERN) see Bel-Pak-Dala

GOMEL'—ENGINEERING LABORATORIES

In a small branch of the Academy of Sciences. V. Malakhova. Belarus' 20 no. 5:23 My '63.

GOMEL' DISTRICT—FARM MECHANIZATION

Good luck! Ed. Karpachou. Belarus' 20 no. 6:2-3 My '63.

GOMEL' DISTRICT—STOCK AND STOCKBREEDING

A "meat factory." Liudmila Tsalkovikava. Belarus' 20 no. 5, 14 My '63.

GOMEL' PROVINCE—DAIRYING

Skylarks will sing again. A. Astreika. Rab. i sial. 39 no. 6:6 Je '63.

GOMEL' PROVINCE—FIELD CROPS

Stubble crops in Gomel' Province. A. L. Onik, M. I. Sidortsov. Zemledelie 25 no. 7:47-48 Jl '63.

GOOSEBERRIES—DISEASES AND PESTS

Gooseberry fruitworm. V. F. Savzdarg. Zashch. i karant. vred. i bol. 8 no. 7:54 Jl '63.

GOOSEBERRIES—VARIETIES

Some features of the phenological development of the gooseberry in connection with freeze injury. A. N. Ravkin. Dokl. TSKHA no. 62:315-321 '61.

GORKIY—AUTOMOBILE INDUSTRY

Through the gates of the Gorkiy Truck Plant. N. Shiktorov. A. Chernomashentsev. Sel'mekh. no. 5 22-23 My '63.

GORKIY—RAILROADS—STATIONS

Reconstruction of the railroad station in Gorkiy. O. P. Golubeva. Transp. stroi. 13 no. 7, 26-28 Jl '63.

GORKIY PROVINCE—ACCLIMATIZATION (PLANTS)

Acclimatization of Usurian plum in Gorkiy Province. I. P. Eliseev. Agrobiologiia no. 4:623-626 Jl-Ag '63.

GORKIY PROVINCE—COLLECTIVE FARMS—MANAGEMENT

Put all potentials into practice. M. I. Kolpashnikov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5:18-21 '63.

GORKIY PROVINCE—PLUM

Acclimatization of Usurian plum in Gorkiy Province. I. P. Eliseev. Agrobiologiia no. 4:623-626 Jl-Ag '63.

GORKIY PROVINCE—VOCATIONAL EDUCATION

Organizing industrial training. M. I. Shcherbak. Shkola i proizv. 7 no. 8:36-37 Ag '63.

GOULART, JOÃO, 1918-

João Goulart. R. Tuchnin. Mir. ekon. i mezhdunar. otn. no. 8:136-137 '63.

GOVERNMENT OWNERSHIP

(see also subdivision under Europe, Eastern)

Ankudinova, L. E. [Nationalization of industry in the U.S.S.R., 1917-1920] Natsionalizatsiia promyshlennosti v SSSR (1917 - 1920 gg.); uchebnoe posobie. [Leningrad] Izd-vo Leningr. univ. 1963. 141 p.

"Economic role of the state under socialism." I. N. Vlasov, O. I. Hanusets'. Ukr. ist. zhur. 6 no. 3:147-148 My-Je '63.

GOVMAN, IGOR' VALENTINOVICH, 1903-1963

I. V. Govman; obituary. M. P. Kostenko and others. Fiziol. zhur. 34 no. 6:95 Je '63.

GRADING AND MARKING (STUDENTS)

Frozen grade. M. F. Sikach. Rad. shk. 42 no. 7:95-98 Jl '63.

We are for a new system of testing and marking students. I. H. Stepaniuk. Rad. shk. 42 no. 7:98 Jl '63.

GRAFTING
Change caused by grafting in the action of peroxidase and catalase in potato leaves. S. V. Ivanova. Dokl. TSKHA no. 82 199-203 '61.

Possibility of surgery in developing new varieties. F. M. Zorin. Agrobiologiia no. 4:633-636 Jl-Ag '63.

Results of interspecific and intergeneric grafting of valuable conifer species. I. N. Nikitin. Les. khoz. 16 no. 6:32-35 Je '63.

GRAIN
(see also subdivision under Kazakhstan, Omsk Province, Siberia, Ukraine)

Agricultural evaluation of grain and potato crop rotations for the central regions of the non-Chernozem belt. V. N. Stepanov and others. Dokl. TSKHA no. 62 5-16 '61.

Brief news. Muk.-elev. prom. 29 no. 3 pp. 32, 3 of cover Mr '63

Organization of seed production of grain crops and prospects for its development. M. P. Samsonov. Dokl. TSKHA no. 82:105-108 '61.

Planning problems and the analysis of labor productivity and wages. B. Kristal', M. Starovetov, K. Sergeev. Muk.-elev. prom. 29 no. 3 13-14 Mr '63

Raise higher the banner of socialist competition; a letter of the All-Russian Grain Products Union and the Central Committee of the Trade Union of Workers and Employees in Agriculture and at the Procurement Stations, appeal of the workers of the Novomoskovsk Milling Combine, socialist obligations of workers at the enterprises of the Bashkir Grain Products Administration. Muk.-elev. prom. 29 no. 3 3-4 Mr '63

Shaft recirculation grain dryer at the Kochnevo Grain Receiving Station. L. Gun and others. Muk.-elev. prom. 29 no. 3 6-8 Mr '63

Toward new frontiers. A. Manuilov, M. Kashkurevich. Muk.-elev. prom. 29 no. 3 5 Mr '63

GRAIN—ANALYSIS
Trust the laboratories of grain receiving stations. N. Nedogarko. Muk.-elev. prom. 29 no. 3 27 Mr '63

GRAIN—CLEANING
Centrifugal vibration method for grain separation [with summaries in English, German, and French]. A. A. Vasilenko, E. S. Goncharov. Vest. sel'khoz. nauki 8 no. 4 95-100 Ap '63.

Crop of invisible fields. A. Abdullin, B. Bozhanov. Izobr. i rats. no. 7:4-5 '63.

Displacement of corn cobs along the cleaning rolls. A. L. Grin'. Nauch. trudy UNIMESKH 4.11-14 '62.

Grain cleaning and grain-cleaning and drying stations. N. Kiselev. Zemledelie 25 no. 7:59-63 Jl '63.

Grain cleaning stations on collective and state farms. N. Kiselev. Ekon. sel'khoz. 34 no. 7:63-67 Jl '63.

GRAIN—DISEASES AND PESTS see subdivision under Caucasus, Northern

GRAIN—DRYING
(see also subdivision under Kochnevo District)

Automation of shaft grain dryers [with summaries in English, German, and French]. M. A. Berliner, V. R. Kruusp. Vest. sel'khoz. nauki 8 no. 4:105-110 Ap '63.

Grain cleaning and grain-cleaning and drying stations. N. Kiselev. Zemledelie 25 no. 7:59-63 Jl '63.

GRAIN—FERTILIZERS AND MANURES see subdivision under Kharkov Province

GRAIN—HARVESTING
(see also subdivision under Siberia; Ukraine)

Barili, A. V., and V. A. Meshcheriakov. [Wide-range reaping units] Shirokozakhvatnye zhatvennye agregaty. Moskva, Sel'khozizdat, 1963. 190 p.

Harvesting grain crops in irrigated fields. N. E. Meshcheriakov. Zemledelie 25 no. 7:42-44 Jl '63.

How the workers on the Temizhbekskii State Farm harvested their grain. G. Shall'. Sel'. mekh. no. 5 4-5 My '63

GRAIN—STORAGE see subdivision under Egypt

GRAIN—TRANSPORTATION
(see also subdivision under Kazakhstan)

Over-all mechanization of the loading and unloading of grain in Krasnovodsk. K. Kaziev. Mor. flot 23 no. 5:9-11 My '63.

GRAIN ELEVATORS
(see also subdivision under Kargat)

Performance of the walls of elevator bins made from prefabricated prestressed reinforced concrete rings. I. Khoroshii, F. Issers. Muk.-elev. prom. 29 no. 3.16 Mr '63

GRAIN HANDLING
(see also subdivision under Odessa Province)

New method of unloading grain from boxcars. A. Blidman. Rech. transp. 22 no. 6:41-42 Je '63.

GRAIN HANDLING MACHINERY
(see also subdivision under Nikolayev Province)

Pyshkin, V. P., S. A. Karabanov, and V. A. Ponomarev. [Manual for the mechanic of a grain receiving station] Spravochnik mekhanika khlebopriemnogo punkta. Pod red. K. P. Frolova. Moskva, Zagotizdat, 1963. 243 p.

Screw conveyor-loader for grain. A. Leikin, I. Isteemin. Muk.-elev. prom. 29 no. 3 24-25 Mr '63

GRAIN MILLING—ECONOMIC ASPECTS
Establishing norms for the working capital of flour, groats, and mixed feed mills. V. Voronin. Muk.-elev. prom. 29 no. 3 14-16 Mr '63

GRAIN MILLING MACHINERY
(see also subdivision under Kerch)

Follow-up to our materials. Muk.-elev. prom. 29 no. 3 27 Mr '63

Grinding of grain in a hammer mill. V. S. Krasnov, V. I. Syrovatka. Mekh. i elek. sots. sel'khoz. 21 no. 4:11-15 '63.

Mechanism for cleaning the sieves of the OKS-1 separators. I. Kuvalin. Muk.-elev. prom. 29 no. 3 23-24 Mr '63

GRAIN TRADE see subdivision under Bulgaria

GRAMICIDIN CRYSTALS
Two crystalline modifications of gramicidin C hydrochloride. G. N. Tishchenko, K. A. Zykalova. Kristallografiia 8 no. 4 561-569 Jl-Ag '63

GRAMMAR, COMPARATIVE AND GENERAL
Language patterns and their oral variations. O. Kh. TSakher. Inostr. iaz. v shkole no. 3:9-18 My-Je '63

GRAMSCI, ANTONIO, 1891-1937
Lopukhov, B. R. [Antonio Gramsci] Antonio Gramshi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 90 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serilia)

GRANITE see subdivision under Ural Mountain region; Vangyr Valley

GRANITE—ANALYSIS
(see also subdivision under Sayan Mountains)

Distribution of Li, Rb, and Sr in vein rocks associated with granitoids [with summary in English]. V. V. Liakhovich. Geokhimiia no. 7:652-657 Jl '63.

GRANOVSKII, TIMOFEI NIKOLAEVICH, 1813-1855
A conference devoted to T. N. Granovskii. N. A. Leonidov. Vop. ist. 38 no. 8:151-152 Ag '63.

GRANULAR MATERIALS
Apparatuses for the sampling of granular materials. N. K. Araslanova, S. F. Kapel'ko. TSvet. met. 36 no. 8 85-86 Ag '63.

Free discharge of granular material through an aperture in the conical bottom of a vessel [with summary in English]. IA. TSBarovskii, M. Hondzyn'skl. Inzh.-fiz. zhur. 6 no. 7:26-35 Jl '63.

GRANULOMA BENIGNUM
Sarcoidosis of the nose and pharynx (Besnier-Boeck-Schaumann disease). Vest. otorin. no. 1:93-95 '63.

GRAPES—DISEASE AND PEST RESISTANCE see subdivision under Moldavia

GRAPES—DISEASES AND PESTS
Alfalfa weevil (Otiorhynchus ligustici). G. I. Marechek, A. A. Romanchenko. Zashch. rast. ot vred. i bol. 8 no. 7 41 Jl '63.

Mist spraying in grape nurseries. Kh. N. Zeilikman. Zashch. rast. ot vred. i bol. 8 no. 7:28-29 Jl '63.

Oidium infection in vineyards. P. M. Shterenberg, M. G. Bankovskaia. Zashch. rast. ot vred. i bol. 8 no. 7:33-35 Jl '63.

GRAPES—FERTILIZERS AND MANURES
Effect of potash fertilizers on the quality of raisins. A. L. Khachatrian, S. M. Khizantsian. Kons. i ov. prom. 18 no. 9:22-23 S '63.

GRAPES—VARIETIES see subdivision under Moldavia

GRAPHIC ARTS
Zvontsov, V. M. [Fundamentals of understanding graphic arts] Osnovy ponimaniia grafiki. Moskva, Izd-vo Akad. khudozh. SSSR, 1963. 71 p. (Biblioteka po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodeiatel'nosti i shkol'nykh bibliotek)

GRAPHIC METHODS
From historic bridges to the canals on Mars. L. Bobrov. Tekh. mol. 31 no. 9:32-34 '63.

Graphic processing of experimental data. P. S. Zak. Vest. mashinostr. 43 no. 8:42-44 Ag '63.

Kinetic equation for multiple scattering of Dirac particles. I. N. Toptygin. Izv. vys. uchob. zav., fiz. no. 4:142-146 '63.

Solution of graphic problems on "uniform motion" in the 6th grade. A. P. Rymkevich. Uch. zap. Ped. inst. Gorts. 197:262-267 '58.

GRAPHITE
Method for analyzing dry lubricating graphite. N. N. Tumanov. Elek. i tepl. tiaga no. 7:16 Jl '63.

Optical method for determining the melting point of graphite as dependent on pressure not exceeding 3000 atm. N. S. Fateeva, L. F. Vereshchagin, V. S. Kolotygin. Dokl. AN SSSR 152 no. 1:88-91 S '63.

Surface properties of fresh cleavage of graphite. Part 2. IU. A. Zaritiants, V. F. Kiselev, G. G. Fedorov. Zhur. fiz. khim. 37 no. 8:1846-1849 Ag '63.

GRASSES
(see also subdivision under Otradnoye region, Leningrad Province)

Effect of agricultural methods on the development of root systems of perennial grasses and their productivity. V. V. Gritsenko. Dokl. TSKHA no. 82 23-30 '61.

Studying the anatomic structure of the rhizome of long-rhizome top grasses in relation to the change of environmental conditions. N. M. Kuznetsova. Trudy Kaz. SKHI no. 43:61-72 '61.

GRASSES—DISEASES AND PESTS see subdivision under Tselinograd Province

GRASSES—DRYING
Dynamics of grass drying for hay in compressed piles. I. V. Sakharov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 5 73-79 My '63.

GRASSES—FERTILIZERS AND MANURES
Effectiveness of various amounts of lime in crop rotations with perennial grasses. O. K. Kedrov-Zikhman. Trudy VIUA no. 38:92-104 '61.

GRAVE, DMITRII ALEKSANDROVICH, 1863-1939
D. O. Grave. L. M. Vyvalinluk. Rad. shk. 42 no. 8:104-105 Ag '63.

GRAVIMETER (GEOPHYSICAL INSTRUMENT)
Change in the readings of a gravimeter caused by the action of vertical vibrations of its base. P. I. Lukavchenko. Prikl. geofiz. no. 36 187-194 '63.

Effect of vertical accelerations on gravimeter readings. V. O. Bagramiants. Prikl. geofiz. no. 36:181-186 '63.

GRAVIMETRY
(see also subdivision under Poltava)

Use of electronic digital computers for calculating gravimetric terrain corrections. L. A. Koval'. Izv. AN Kazakh SSR. Ser. geol. nauk no. 4:96-107 '63.

GRAVITATION
A. A. Fridman's works on Einstein's theory of gravitation. V. A. Fok. Usp. fiz. nauk 80 no. 3:353-356 Jl '63.

Algebraic and univalent integrals in the problem of motion of a solid body in a Newtonian force field. IU. A. Arkhangel'skii. Prikl. mat. i mekh. 27 no. 4:697-690 Jl-Ag '63.

Gravitational transmutations of fermions [with summary in English]. IU. S. Vladimirov. Zhur. eksp. i teor. fiz. 45 no. 2:251-259 Ag '63.

GRAVITY—PHYSIOLOGICAL EFFECT
Earth sense. V. S. Parfel'. Zdorov'e 9 no. 5:4-5 My '63.

GRAVITY ANOMALIES
Evaluation of the accuracy of gravimetric charts. M. V. Avdulov. Prikl. geofiz. no. 36:167-180 '63.

Interpretation of Δg anomalies above three-dimensional arbitrarily-shaped bodies. A. A. IUn'kov. Geofiz. sbor. no. 4:71-79 '63.

Interpretation of gravity anomalies under conditions of block structure of the objects being studied. K. F. Tiapkin, A. I. Golik, S. P. Kharchenko. Geofiz. sbor. no. 4:90-100 '63.

GRAY MULLETS see subdivision under Shevchenko District

GREAT BRITAIN—BANKS AND BANKING
Private banks of Great Britain. R. Liudmilin. Mir. ekon. i mezhdunar. otn. no. 8:119-127 '63.

GREAT BRITAIN—COKE INDUSTRY
Coal coking in Great Britain. L. I. Ulitskii. Koks i khim. no. 8:82-84 '63.

GREAT BRITAIN—COMMUNIST PARTY
The source of our development. William Loughlan. Part. zhizn' no. 17:70-72 S '63.

GREAT BRITAIN—DAVITS
New-type ship davit. Sudostroenie 29 no. 7:77 Jl '63.

GREAT BRITAIN—DELINQUENT WOMEN
Ann D. Smith is close to the truth. A. Natashev. Sov. iust. no. 12:29 Je '63.

GREAT BRITAIN—FIREBRICK
Abstract. R. I. Pevzner. Ogneupory 28 no. 6:283 '63.

GREAT BRITAIN—FOREIGN RELATIONS
"The appeasers" [in English] by M. Gilbert, R. Gott. Reviewed by C. Dutt. Vop. ist. 38 no. 8:179-181 Ag '63.

What the British think about the policy of the United States. Konni Zilliacus. Nov. vrem. 21 no. 36:16-17 S '63.

GREAT BRITAIN—FOREIGN RELATIONS—RUSSIA
Bernard Lowell visiting Soviet astronomers. Vest. AN SSSR 33 no. 9:59-64 S '63.

GREAT BRITAIN—FORK LIFT TRUCKS

New fork lift truck for work in narrow passages. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no 10 114-115 '62.

GREAT BRITAIN—HISTORY

English workers and the second parliamentary reform in 1867. N. A. Etofeev. Vop. ist. 38 no. 8:196-197 Ag '63.

GREAT BRITAIN—LIABILITY FOR MARINE ACCIDENTS

Liability for careless pilotage according to English law. M. I. Maksimadzhi Inform. sbor. TSNIIMF no. 56 Mor. pravo i prak. no. 11 24-30 '60.

GREAT BRITAIN—MARINE ACCIDENTS

Procedure in the investigation of marine accidents in England and the German Federal Republic. A. IA. Vorokhobskii. Inform. sbor. TSNIIMF no 56. Mor. pravo i prak. no. 11 18-24 '60.

GREAT BRITAIN—MARITIME LAW

Decisions of English courts and arbitration agencies. Inform. sbor. TSNIIMF no. 56. Mor. pravo i prak. no. 11 56-57 '60.

GREAT BRITAIN—MORAL CONDITIONS

Manners of the "free world" Thoughts of a Briton. Nov. vrem. 21 no 31 28 Ag '63

GREAT BRITAIN—PASTURE RESEARCH—CONGRESSES

International congress on meadow culture in England. G. V. Blagoveshchenskii. Dokl. TSKHA no. 62:433-437 Dokl. TSKHA no. 62 433-437 '61.

GREAT BRITAIN—PRISONS

Ann D. Smith is close to the truth. A. Natashev. Sov. iust. no. 12:29 Je '63.

GREAT BRITAIN—RADAR IN NAVIGATION

Buoys for measuring a ship's speed by means of radar. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:113 '62.

GREAT BRITAIN—RAILROADS

Blow to the railroads of Great Britain. S. Kurikashvili. Zhel. dor. transp. 45 no. 7 87-89 Jl '63.

GREAT BRITAIN—SCHOOL LIBRARIES

School libraries in Great Britain. I. V. Baldina. Bibliotekoved. i bibl. za rub. no. 11 48-52 '63.

GREAT BRITAIN—SHIPS—EQUIPMENT AND SUPPLIES

Combination hatch davits. Sudostroenie 29 no. 7:77-78 Jl '63.

GREAT BRITAIN—STRIKES AND LOCKOUTS

Zaitsev, V. P. [The strike movement in Great Britain at the present-day stage] Zabastovochnoe dvizhenie v Anglii na sovremennom etape Moskva, Izd-vo VPSh i AON pri Tsk KPSS, 1963 85 p

GREAT BRITAIN—TELEVISION CAMERAS

New television camera tubes. N. I. Tel'nov. Tekh. kino i telev. 6 no. 4 74-76 Ap '62.

GREECE—DESCRIPTION AND TRAVEL

Greeks visit at home [translated from the French]. Roger Mauge. Vokrug sveta no 1 60-61 Je '63.

GREECE—EDUCATION

Valuable work of a Greek educator and patriot. K. IA. Mikhailidis. Sov. pedag. 27 no. 7 137-141 Jl '63.

GREECE—HISTORY

Kallistov, D. P., and S. L. Utchenko, eds. [Ancient Greece] Drevniaia Gretsiia; kniga dlia chteniia, Izd. 3., dop. Moskva, Uchpedgiz, 1963. 338 p.

GREECE—POLITICS AND GOVERNMENT

Manolis Glezos in the editor's office of "Novoe vremia." Nov. vrem. 21 no 34 16-17 Ag '63.

GREECE—THEATER

Living music of the theater. B. L'vov-Anokhin. Kul't. i zhizn' 7 28-29 '63.

GREENHOUSE MANAGEMENT
(see also subdivision under Armenia)

Conditions of mineral nutrition and the yield of tomatoes and cucumbers in the hothouses of the Marfino State Farm, Moscow Province. N. A. Smirnov. Dokl. TSKHA no. 62:353-367 '61.

Organization of cucumber pollination in hothouses of the "1-go Maia" State Farm. IA. M. Samosadov. Dokl. TSKHA no. 62.543-545 '61.

GREENHOUSES

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.

Pt. 2, Sec. N, ch. 4. [Greenhouses and hotbeds; standards of design] Teplitsy i parniki; normy proektirovaniia (SNiP II-N. 4-62). 1963. 10 p.

GREENLAND SEA—SEALS (ANIMALS)

Some features of the functioning of the digestive tract in the hooded seal (Cystophora cristata) during its feeding on milk [with summary in English]. R. Sh. Khuzin, A. V. Iablokov. Zool. zhur. 42 no. 8:1273-1275 '63

GREEN'S FUNCTION see Potential, Theory of

GRIGNARD REAGENTS

Organomagnesium syntheses of some organophosphorus compounds in ester-free medium. B. N. Strunin, O. IU. Okhlobystin, L. I. Zakharkin Izv. AN SSSR. Ser. khim. no. 8:1373-1376 Ag '63.

Reaction of free organic radicals with Grignard reagents. E. G. Rozantsev, M. B. Neiman, IU. G. Mamedova. Izv. AN SSSR. Ser. khim. no. 8:1509-1511 Ag '63.

GRINDING AND POLISHING

Investigating the precision of centerless grinding on machines with a large grinding wheel. S. A. Dobrynin. Trudy Inst. mash. Sem. po toch. v mash. i prib. no. 17 51-68 '63

Machining punches for the blanking of rotor and stator iron. B. M. Malkin. Kuz.-shtam. proizv. 5 no. 5 11-14 My '63

New method for finish machining of parts made of nonmagnetic materials V. A. Shal'nov and others. Stan. i instr. 34 no. 7 20-22 Jl '63

Parfenonov, V. F., and A. I. Solomonov. [Machining profile parts on surface-grinding machines] Obrabotka profil'nykh detalei na ploskoshlifoval'nykh stankakh. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963 73 p.

Some potentialities for increasing the precision in machining bearing rings on automatic lines. E. A. Likhacheva. Trudy Inst. mash. Sem. po toch. v mash. i prib no. 17:67-79 '63.

GRINDING MACHINES

Device for lapping angle templets. E. M. Gil'dinson. Mashinostroitel' no. 7:25 Jl '63

Machines for diamond grinding and lapping of cutting tools. V. P. Nikitin. Stan. i instr. 34 no 7 44-45 Jl '63.

Universal two-position lapping machines for the resetting of valves. A. Zelichenko. Rech. transp. 22 no. 7 45-46 Jl '63.

GRINDING MACHINES—PNEUMATIC DRIVING

Pneumatic mechanism for the superfinish of ring grooves of high-precision ball bearings. I. D. Gebel'. Stan. i instr. 34 no. 7 17-19 Jl '63.

Superfinish heads with a pneumatic oscillation drive. I. Sh. Rabinovich. Stan. i instr. 34 no. 7 14-17 Jl '63.

GRISEOFULVIN

Griseofulvin, an effective preparation in the treatment of fungous diseases [with summary in English]. V. IA. Arutiunov, T. N. Podol'skaia. Sov. med. 27 no. 7:45-50 Jl '63.

GROCERY TRADE—AUDITING AND INSPECTION

"Volunteer auditor's manual" by V. Syrov and others. Reviewed by S. Svitich. Bukhg. uchet 20 no. 8:74-75 Ag '63

GROSS NATIONAL PRODUCT see subdivision under Uzbekistan

GROUND CONTROLLED APPROACH

Guide of air pilots. S. Platonov. Grazhd. av. 20 no. 7: 11 Jl '63.

Guide of flights. T. Bangerskaia. Grazhd. av. 20 no. 7: 14 Jl '63.

GROUPS, THEORY OF

Admissibility of a given group in the derivation of a system of integrodifferential equations. IU. K. Uvakov. Sbor nauch.-issl. rab. TTI no. 15.1-15 '62.

Algorithmic problems in partially ordered groups. V. L. Frenkel'. Dokl. AN SSSR 152 no. 1:67-70 S '63.

Algorithmic solvability of certain mass problems in the theory of commutative semigroups. V. A. Emelichev Sib. mat. zhur. 4 no. 4:788-796 Jl-Ag '63.

Characterization of certain classes of finite groups. IA. G. Berkovich Dokl. AN SSSR 151 no 5:1007-1009 Ag '63.

Commutative semigroups of finite rank. L. N. Shevrin. Usp. mat. nauk 18 no 4:201-204 Jl-Ag '63.

Continuous ordering of groups. A. I. Kokorin. Dokl. AN SSSR 151 no. 1:31-33 Jl '63

Determinations of infinite nilpotent groups. N. F. Rubtsov. Uch. zap. MGPI no. 188:193-198 '62.

Example of a homogeneous group with an insolvable word identity problem. IA. S. Smetanich. Uch. zap. MGPI no. 188:199-201 '62.

Expansion in irreducible representations of the set of restricted representations of the basic series of the proper Lorentz group to the real Lorentz group. B. D. Romm. Dokl. AN SSSR 152 no. 1:59-62 S '63.

Free polynilpotent groups. A. L. Shmel'kin. Dokl. AN SSSR 151 no. 1:73-75 Jl '63.

Homomorphisms of certain semigroups of continuous monotone functions. E. G. Shutov. Sib. mat. zhur. 4 no. 4:944-950 Jl-Ag '63.

Integral rational bases of tensor invariants of crystallographic groups. IU. I. Sirotin. Dokl. AN SSSR 151 no. 3:564-566 Jl '63.

A new specialty test for rd-groups with a given number of classes of unattainable isoordic rd-subgroups. V. P. Gromyko. Dokl. AN SSSR 151 no. 1:23-26 Jl '63.

On 2-extensions over a local field. S. P. Demushkin Sib. mat. zhur. 4 no. 1:951-955 Jl-Ag 63

Recursion, periodicity, and transitivity in non-unique dynamic systems. I. U. Bronshtein Dokl. AN SSSR 151 no. 1:15-18 Jl '63

Representations of a group of matrices of the second order from a locally compact field, and special functions over locally compact fields. I. M. Gel'fand, M. I. Graev Usp. mat. nauk 18 no. 4:39-99 Jl-Ag '63

Saturation of finite groups by solvable nonspecial subgroups. V. I. Sergienko Sib. mat. zhur. 4 no. 4:926-931 Jl-Ag '63.

Semigroups with given ideal chains I. S. Ponizovskii. Mat. sbor. 61 no. 1 377-386 Ag '63

Semigroups with minimal left ideals. L. M. Gluskin. Dokl. AN SSSR 151 no. 3:485-486 Jl '63.

Semispecial groups. Zh. E. Bukhovets. Sib. mat. zhur. 4 no. 4 752-757 Jl-Ag '63.

Solvable algebraic groups V. P. Platonov. Dokl. AN SSSR 151 no. 1 18-21 Jl '63

Solvable subgroups of a multiplicative group of a locally finite algebra V. E. Zalesskii Mat. sbor. 61 no 4 498-517 Ag '63

Some criteria of the nonsingularity of groups. A. P. Ditsman. Uch. zap. MGPI no. 188 89-103 '62.

Some criteria of the solvability of finite groups. IA. G. Berkovich. Sib. mat. zhur. 4 no. 4:723-728 Jl-Ag '63.

Some imbedding theorems for rings and semigroups L. A. Bokut'. Sib. mat. zhur. 4 no 4:729-743 Jl-Ag '63.

Structure of the kinetic potentials of equations of a rank larger than zero and the admissibility of a system of primitive groups in four-dimensional space. M. Patchaeva. Sbor. nauch.-issl. rab. TTI no. 15.31-44 '62.

GROUPS OF POINTS

Invariants of linear representations of a group of plane rotations and the problem of the center. K. S. Sibirskii. Dokl. AN SSSR 151 no 3:497-500 Jl '63.

GROWTH

Cardiovascular disorders in Down's disease V. V. Ruskikh. Trudy 1-go MMI 21 128-138 '63

GROWTH PROMOTING SUBSTANCES

Brief information. Les. khoz. 16 no. 6:75-76 Je '63.

Effect of growth promoting substances of petroleum origin on the yield of pulse crops. I. O. Gainutsinov and others. Trudy Kaz. SKHI no. 13:153-155 '61.

Effect of the derivatives of benzimidazole and succinic acid on the growth and yield of corn [with summaries in English, German, and French]. N. A. Dmozdov, V. S. Pavlov. Vest. sel'khoz. nauki 8 no. 4:44-47 Ap '63.

Using growth promoting substances of petroleum origin in pine plantations. V. P. Goloveshchenko Les. khoz. 16 no. 6:35-37 Je '63.

GUDAUTY REGION—PLANT QUARANTINE

From the work practice of a quarantine inspector. A. E. Dzhanashiia. Zashch. rast. ot vred. i bol. 8 no. 5:47-48 My '63.

GUIDED MISSILES—GUIDANCE SYSTEMS

Kurkotkin, V. I., and V. L. Sterligov. [Homing guidance of rockets] Samonavedenie raket. Moskva, Voenizdat, 1963 87 p (Za voenno-tekhnicheskie znaniia. Raketnaia tekhnika)

GUINEA—BAUXITE

Bauxites of some deposits in the Republic of Guinea IU. K. Goretskii, K. F. Terent'eva, F. G. Pasova Min. syr'e no 7:116-138 '63.

GUINEA, PORTUGUESE—POLITICS AND GOVERNMENT

Portuguese Guinea in flames (with English summary in insert). V. Sidenko. Az. i Afr. seg. no. 8:15-17, 21 Ag '63.

GUMS—DISEASES

Characteristics of the manifestation of initial forms of parodontosis in naval personnel during lengthy cruises E. V. Bel'chikov. Voen.-med. zhur. no 8:66-68 '62

GUMS AND RESINS, SYNTHETIC see Resins, Synthetic

GUNESCH, HELEN

First anniversary of Helen Gunesch's death. Zhen. mira no. 4:30 '63.

GUNSHOT WOUNDS

Intraosseous osteosynthesis using a metal pin in the treatment of gunshot fractures of the long bones. B. A. Dmitriev, A. E. Bezuglyi, M. G. Shul'man. Voen.-med. zhur. no. 8:72-73 '62.

Results of the treatment of the sequelae of gunshot wounds and traumata of the spinal cord and cauda equina at the Saki health resort. A. A. Lavrova. Vrach. delo no. 8:143-144 Ag '63.

GUR'YEV DISTRICT—FISHERIES—ECONOMIC ASPECTS

Economic effectiveness of fisheries in the Gur'yev administrative district I. K. Kairov Trudy Inst. ikht. i ryb. khoz. AN Kazakh. SSR 4.234-244 '63.

GUZ

The architectural gu' P Zakhidov Nauch rab i soob Otd. bshchestv nauk AN Uz SSR 5 217-223 '62

GUZAR DISTRICT—AGRICULTURAL ADMINISTRATION

Think about what is most important K Makhmudov Part zhizn' (Uzb) 6 no 7 57-59 Jl '63.

GYMNASTICS, MEDICAL see Exercise therapy

GYNECOLOGY
(see also subdivision under Ukraine)

Moscow. Vtoroi Moskovskii gosudarstvennyi meditsinskii institut [Modern methods of investigation and treatment in obstetrics and gynecology] Sovremennye metody issledovania i lechenila v akusherstve i ginekologii. Pod red. L. S. Persianinova. Moskva, 1963. 335 p. (Its Trudy) [With summaries in English] (DNLM)

[Multivolume manual on obstetrics and gynecology] Mnogotomnoe rukovodstvo po akusherstvu i ginekologii Moskva, Medgiz

Vol 4 Book 1 Zhmakin, K. N. [General gynecology] Obshchaia ginekologila 1963 674 p (DNLM)

Problems in the organization of obstetrical and gynecological services in rural areas B. I. Babukhadiia Ped., akush i ginekologiia 25 no. 2 10-14 '63.

GYPSOPHILA

Identity of gypsoside and triterpenic saponin obtained from Gypsophila paniculata L. A. IA. Khorlin, IU. S. Ovodov, R. G. Ovodova. Izv. AN SSSR. Ser. khim. no. 8, 1521-1523 Ag '63.

GYPSUM

Interaction of C_3A and C_4AF with gypsum under conditions of hydrothermal processing. O. I. Grancheva Trudy NIIAsbestitsementa no. 11:61-67 '61

Study of the chemistry of the interaction of gypsum with portland cement undergoing hardening under various conditions. O. I. Grancheva, A. IA. Vikulin Trudy NIIAsbestitsementa no. 14:24-29 '62.

GYPSUM PRODUCTS

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt 1. Sec. V, ch. 6. [Gypsum and gypsum-concrete products] Gipsovye i gipsobetonnye izdeliia (SNiP I-V. 6-62). 1963. 7 p.

GYROCOMPASS

Ballistic deviations of a gyrocompass having no velocity deviation M. M. Hogdanovich Izv. vys. ucheb. zav., prib. 6 no. 3 77-84 '63.

Damping of a gyrocompass at a random law of changes of base speed. I. B. Chelpanov. Trudy LPI no 226: 70-80 '63.

GYROSCOPE

Determination of the drift of an integrating float gyroscope without the use of a dynamic stand. G. A. Slomianskii Izv. vys. ucheb. zav., prib. 6 no 3:85-95 '63

Stability of a freely hung gyrostat N. N. Kolesnikov. Prikl. mat. i mekh. 27 no. 4:699-702 Jl-Ag '63.

GYROSCOPIC INSTRUMENTS

Study of the aerodynamic losses for friction of gyroflywheels in inertial mine locomotives. N. N. Petukhov. Vop. rud. transp. no. 7:223-240 '63.

Swings of a gyroscopic pendulum with a movable fulcrum in a nonuniform gravitational field M. Z. Litvin-Sedoi Izv. vys. ucheb. zav.; prib. 6 no. 3:68-76 '63.

HACKBERRY see subdivision under Tashkent

HAIDAR, SALIM NADJIB, 1911-

Salim Nadjib Haidar. Nov. vrem. 21 no. 30:11 5 '63.

HALIBUT see subdivision under Bering Sea

HALIDES

Enthalpy of formation of halogen anions in aqueous solutions A. F. Vorob'ev, N. M. Privalova, S. M. Skuratov Vest. Mosk un. Ser. 2 Khim 18 no 4 39-45 Jl-Ag '63

Kinetics of nitrosation of secondary aromatic amines. Part 2: Catalytic action of halide ions. M. A. Loshkarev, R. M. Jasiunas. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2:236-242 '63.

HALL EFFECT

Hall effect in semiconductors. N. I. Ovcharenko. Prom. energ. 18 no. 5:47-51 My '63.

Hole mobility in germanium alloyed with aluminum and indium. O. A. Golikova, A. G. Orlov. Fiz. tver. tela 5 no. 7:1908-1912 Jl '63.

Theory of the Hall effect in low-mobility semiconductors. IU. A. Firsov. Fiz. tver. tela 5 no. 8:2149-2160 Ag '63.

Use of the Hall effect in electric power engineering N. I. Ovcharenko Prom. energ 18 no 7 28-35 Jl '63

HALOGEN COMPOUNDS

Conjugated electrochemical cleavage of halogen compounds. L. G. Feoktistov, A. P. Tomilov, M. M. Gol'din. Izv. AN SSSR. Ser. khim. no. 7:1352 Jl '63.

HAND

Some basic principles of the skeletal structure of the human hand. I. D. Andreev. Vop. antr. no. 12:3-11 '62.

HAND WEAVING see subdivision under Kasimov

HANDICAPPED CHILDREN—EDUCATION

The sun shines for all. Vanda Belotskaia. Ogonek 41 no. 28 14-15 Jl '63.

HANDICRAFT see subdivision under Ukraine

HAPLOPHYLIDINE

Antagonism between haplophylidine and analeptics. M. A. Magrupova, I. K. Kamilov, N. P. Polievtsev Farm. i alk. no. 1 169-173 '62

Sedative soporific and narcotic actions of the alkaloid haplophylidine M. A. Magrupova, I. K. Kamilov, N. P. Polievtsev Farm. i alk. no. 1 155-159 '62

Synergetic action of the alkaloid haplophylidine in combination with soporifics and narcotics M. A. Magrupova, I. K. Kamilov, N. P. Polievtsev Farm. i alk. no. 1 160-168 '62

HARBORS

Potentialities in the traffic capacity of piers. A. Soluzov. Rech. transp. 22 no. 6:19-21 Je '63

HARBORS—CARGO HANDLING

Progressive cargo handling organizations in harbors. Mor. flot 23 no. 5:42 My '63.

HARBORS—EQUIPMENT AND SUPPLIES

Greater attention to the protection of engineering structures in sea harbors, review of letters received Mor. flot 23 no. 6:31-35 Je '63.

New developments in the operation of harbor equipment. F. Kibal'nik, A. Chigvintsev. Rech. transp. 22 no 6: 8-9 Je '63

Prospects of technical progress in harbors. M. Nikulin. Rech. transp. 22 no. 7 13-14 Jl '63.

HARDNESS

Influence of the intrinsic photoeffect on the microhardness of Ge and Si. V. M. Beilin, IU. Kh. Vekilov. Fiz. tver. tela 5 no. 8:2372-2374 Ag '63.

Results of studying the microhardness anisotropy of indium antimonide using the scratch method. V. N. Lange, T. I. Lange. Fiz. tver. tela 5 no. 7 2029-2031 Jl '63

HARJU REGION—FERTILIZERS AND MANURES

Efficient use of fertilizers on a farm. E. Raidna. Zemledelie 25 no. 9 46-47 S '63.

HARMONIC ANALYSIS

Practical harmonic analysis on a sphere. G. I. Moskoi, I. T. Rudenko. Trudy TsIP no. 123:18-33 '63.

HARVESTING
(see also subdivision under Kagarlyk District, Ukraine; Volnovakha District)

Watching over the crops. Komsom. zhizn' no. 15/16 42-43 Ag '63.

HARVESTING MACHINERY

Determination of the principal parameters of the haulm cutting apparatus beet-lifting machines. V. G. Gerasimchik. Nauch. trudy UNIMESKH 4:25-33 '62.

Dolgov, I. A., and I. M. Zol'tserman. [Machines and instruments for the mechanization of hay harvesting, theory calculations and design] Mashiny i orudiia dlia mekhanizatsii senouborochnykh rabot; teoriia, raschet i konstruktsiia Moskva, Mashgiz, 1963. 343 p.

Improvement of the working parts of pull-type sugar beet harvesters. I. D. Dremeev. Mekh. i elek. sots. sel'khoz. 21 no. 1:7-10 '63

Rhythmicity of operations in farm work [with summaries in English, German, and French]. P. S. Zavalishin. Vest. sel'khoz. nauki 8 no. 4:89-94 Ap '63.

Study of the haulm cutting apparatus of beet harvesters with haulm cutting at the root. A. A. Vasilenko. Mekh. i elek. sots. sel'khoz. 21 no. 4:3-7 '63.

Technology and machinery system for harvesting grain in Siberia. P. N. Fedoseev. Mekh. i elek. sots. sel'khoz. 21 no. 4:11-13 '63.

Wide-range equipment for grain harvesting and new means for the mechanization of straw harvesting. Inform. biul. VDNKH no. 5:22-23 My '62.

HARVESTING MACHINERY—TESTING

Testing the new harvesting machines. V. Gavrilenko. Pozh. delo 9 no. 8:11 Ag '63.

HATCHETTOLITE—ANALYSIS see subdivision under Siberia

HAVANA—UNIVERSITIES AND COLLEGES—CURRICULA

Geography at the Havana University. B. N. Semevskii. Izv. Vses. geog. ob-va 95 no. 4:351-363 Jl-Ag '63.

HAY—HARVESTING

Dolgov, I. A., and I. M. Zol'tserman. [Machines and instruments for the mechanization of hay harvesting; theory calculations and design] Mashiny i orudiia dlia mekhanizatsii senouborochnykh rabot, teoriia, raschet i konstruktsiia. Moskva, Mashgiz, 1963, 343 p.

Machines for hay harvesting. Tekh. v sel'khoz. 23 no 5, 89-93 My '63

HEAD—WOUNDS AND INJURIES

Significance of a head trauma in the development of a schizophrenic process P. P. Kazanets. Vrach. delo no. 8:140-141 Je '63

HEALTH EDUCATION

Hygienic instruction of patients with infectious diseases under dispensary observation. L. P. Zabolotskaia, L. F. Fasler, R. K. Lell'. Sov. zdrav. 22 no. 6 36-39 '63.

HEALTH EDUCATION—PERIODICALS

Read this issue of the periodical "Zdorov'e." Nar. obr. no. 8:117 Ag '63.

HEALTH RESORTS, WATERING PLACES, ETC.
(see also subdivision under Dzhermuk, Georgia; Karlovy Vary, Czechoslovakia, Kazakhstan, Kiev; Kislovodsk, Latvia, Saki, Crimea, Siberia, Sochi)

Sanatorium and health-resort treatment of patients with primary glaucoma [with summary in English]. A. V. Supran. Vest. oft. GNII glaz. bol no 6:245-248 '63.

HEALTH RESORTS, WATERING PLACES, ETC — CONGRESSES

All-Union Conference on Experimental Study of Health Resorts and Physical Therapy. V. G. Bokeha, A. I. Zol'nikova, S. IA. Tvotsenko. Vop. kur. fizioter. i lech. fiz. kul't. 28 no. 2:184-191 Mr-Ap '63.

HEARING

Relations between some zones of the auditory cortex [with summary in English] IA. A. Ulitman, A. S. Ionov, Zhur. vys. nervn. deiat. 13 no. 2 330-337 Mr-Ap '63.

Some problems of the acoustic orientation in terrestrial vertebrates [with summary in English] N. P. Naumov and others. Zool. zhur. 42 no. 8:1200-1212 '63

HEART

Akademiia meditsinskikh nauk SSSR, Moscow. [Physiology and pathology of the heart] Fiziologiia i patologiia serdtsa, sbornik, posviashchennyi shestidesiatiletiiu deiatel'nogo chlena AMN SSSR professora V. V. Parina, Pod red. M. E. Marshaka. Moskva, 1963. 310 p. [With summaries in English] (DNLM)

HEART—ABNORMITIES AND DEFORMITIES

Clinical aspects and diagnosis of bacterial endocarditis complicating congenital heart defects [with summary in English]. L. G. Belova, V. I. Ermishev. Sov. med. 27 no. 7:11-15 Jl '63

HEART—DISEASES

Compensation of heart activity in hypertension. L. N. Branavets. Vestsi AN BSSR. Ser. biial. nav. no. 1:73-77 '63.

Mazheboyskii, R. G. [Treatment and prevention of cardiac insufficiency] Lechenie i profilaktika serdechnoi nedostatochnosti 2 izd., dop. i ispr. Moskva, Medgiz, 1963. 361 p. (DNLM)

Pathomorphological changes in the heart in leukemia [with summary in English]. P. I. Shchitin. Vrach. delo no. 8:18-23 Ag '63.

Process of myocardial repolarization in hypertension [with summary in English] V. P. Nikitin Kardiologiia 3 no. 3 43-49 My-Je '63.

HEART—HYPERTHOPHY AND DILATATION

Hypertrophy of the left ventricle in hypertension, its diagnosis and significance in determining the stage of the disease [with summary in English] L. I. Fogel'son. Kardiologiia 3 no. 3:22-27 My-Je '63.

HEART—INFARCTION
(see also subdivision under Sverdlovsk)

Effect of pharmacological substances on the course of experimental myocardial infarction [with summary in English]. A. A. Miazdrikova. Uch. zap. Inst. farm. i khimiotor. AMN SSSR 3:202-300 '63.

Gaseous exchange in the heart muscle in experimental miocardial infarct under the effect of hormonal factors (ACTH and cortisone). A. G. Khmel'ko. Vrach. delo no. 6:115-118 Je '63.

Shishkin, S. S. [Recurrent infarcts of the myocardium] Povtornye infarkty miokarda. Moskva, Medgiz, 1963, 181 p. (DNLM)

HEART—INNERVATION see Nerves, Cardiac

HEART—MUSCLE

Effect of ionizing radiation on the cardiac muscle of mammals. T. V. Tarapina. Dokl. AN SSSR 152 no. 1: 202-204 S '63.

HEART—SOUNDS

Frequency and localization of heart murmur heard during the phonocardiographic examination of healthy persons [with summary in English]. R. B. Minkin. Kardiologiia 3 no. 3:78-81 My-Je '63.

HEART—SURGERY

Mental disorders and their psychotherapy in patients undergoing an operation - commissurotomy for an acquired heart defect. B. N. Mosunov. Trudy 1-go MMI 21:218-226 '63.

Pathogenesis of psychoses occurring after surgical treatment of rheumatic heart defects, clinical morphological investigation. P. B. Kazakova, B. N. Mosunov. Trudy 1-go MMI 21 407-429 '63.

Result of surgical treatment in stenocardia [A. A. Rabtin, D. V. Usov. Voen.-med. zhur no 8:73-74 '62

HEART—VALVES—DISEASES

Electrokymographic investigation of combined mitral-aortic stenoses [with summary in English]. K A. Kosharko. Sov. med. 27 no. 7 16-21 Jl '63

HEART BEAT

Changes in the duration of individual phases of mechanical systole of the left ventricle and pulse wave spread rate in arteries of elastic and muscular type in hypertension [with summary in English] N N Kipshidze and others Kardiologiia 3 no 3 27-33 My-Je '63.

Clinical importance of analyzing the duration of the systolic phases in patients with circulatory insufficiency under the influence of acute strophanthin loads [with summary in English] V I Ostrovskaia. kardiologiia 3 no 3 70-72 My-Je '63

Systolic phases of the heart in rheumatic carditis [with summary in English]. I K. Sledzevskaia, G. B. IAnovskii. Vrach. delo no. 8.3-7 Ag '63.

HEAT—BIBLIOGRAPHY see Bibliography—Heat

HEAT—CONDUCTION

Experimental determination of the heat conductivity coefficient of thermal insulation materials using the self-modeling method. G. I. Vasil'ev and others. PMTF no. 3:67-70 My-Je '63.

Heat flow in relativistic magnetohydrodynamics. G. M. Zaslavskii. Zhur. tekh. fiz. 33 no. 7:801-804 Jl '63.

Method of boundary conditions in problems of steady-state thermal conductivity. V. I. Van'ko. PMTF no 3: 138-139 My-Je '63.

Nonsteady heat conduction and thermoelastic stresses in a hollow cylinder [with summary in English] P. I. Khristichenko. Inzh.-fiz zhur 6 no. 7:76-82 Jl '63

Nonsteady heat conduction in a hollow cylinder with known temperatures at the boundaries [with summary in English]. V. IU. Kim. Inzh.-fiz. zhur. 6 no. 7:86-89 Jl '63

Supplementary remarks on Sh. N. Plint's article "Solution of problems of nonsteady heat conduction of hollow cylinders by Grinberg's method." P. I. Khristichenko Inzh.-fiz zhur 6 no 7:128-129 Jl '63

Temperature distribution in a laminar jet of a heat conducting gas emerging into a space with a magnetic field [with summary in English]. K. I Strakhovich, IU. A. Sokovishin. Inzh.-fiz. zhur. 6 no. 7:88-93 Jl '63

HEAT—PERIODICALS

Summaries of articles published in the international journal "Teplo- i massoperenos," vol. 6, 1963. G. R. Mallavskaia Inzh.-fiz. zhur 6 no. 7:130-132 Jl '63

HEAT—PHYSIOLOGICAL EFFECT

Glushkov, L. A. [Protection from overheating in the hot shops of metallurgical plants] Zashchita ot peregrevov v goriachikh tsekakh metallurgicheskikh zavodov. Moskva, Metallurgizdat, 1963 213 p.

Summer will be here soon. Zdorov'e 9 no. 5:32, 3 of cover My '63.

HEAT—RADIATION AND ABSORPTION

Direct measurement of heat radiation intensity. N. S. Babaev. Priroda 52 no. 8:93-94 Ag '63.

Experimental determination of certain basic characteristics of radiant heat exchange. IU. A. Smirnov, IU. V. Kurbakov. Izv. vys. ucheb. zav.; chern. met. 6 no. 7: 176-182 '63.

HEAT—TRANSMISSION

Effect of lateral heat losses on the temperature field in semi-infinite rods with a plane source of constant strength [with summary in English]. A. B. Verzhinskaia. Inzh.-fiz. zhur. 6 no. 7:70-75 Jl '63.

Effect of the temperature and velocity of heat carriers on the artificial drying of machine peat N. M Smol'ianinova, IA. L. Koilkov. Izv. TPI 111 91-94 '61

Estimating the values of heat transmission ratios in air ejector coolers. V. G. Ermilov. Sudostroenie 29 no. 5: 26-27 My '63.

Graphic calculation of heat transmission coefficients. N. D. Krishtal'. Sudostroenie 29 no. 7:27-30 Jl '63.

Heat exchange in the boiling down of "Iris" toffee mass in a coil apparatus. I. A. Chubik, R. R. Listovskii. Khleb. i kond. prom. 7 no. 8:39 Ag '63.

Improving heat processes in open-hearth furnaces. K. A. Greben'. Vop. proizv. stali no. 9:28-45 '63.

Intensification of the heat transmission in tubular coolers. I. A. Trub. Koks i khim. no. 9:52-53 '63.

Internal and external heat exchange in concrete heating panels. E. Kh. Odel'skii. Izv. vys. ucheb. zav., energ 6 no. 8:95-100 Ag '63.

Optimum distribution of heat sensitivity between the components of terminal heating surfaces of boiler units S. M. Shvartsman. Energomashinostroenie 9 no. 6.5-11 Je '63.

Remarks on I. G. Maksimov's article "Graphical method for calculating heat exchange through the wall between condensing steam and a boiling liquid" Energomashinostroenie 9 no 6:41-42 Je '63.

Temperature drop along a double-pipe channelless heat conductor. B. N. Golubkov. Prom. energ. 18 no. 5 30-32 My '63.

Using air condensation to fight water "hunger." T. Varhely. Tekh mol 30 no 11.33 '62

HEAT CAPACITY

Change of the heat capacity during the hydration of monatomic and polyatomic ions. G. A. Krestov. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:228-232 '63.

Relation between heat capacity and the thermal factor of X-ray scattering. L. P. Potapov. Fiz. tver. tela 5 no. 7 1927-1932 Jl '63.

HEAT CAPACITY—MEASUREMENT

Measurement of the nuclear specific heat of iridium and rhenium in an iron alloy [with summary in English] A. V. Kogan and others. Zhur. eksp. teor. fiz 45 no. 2:1-7 Ag '63.

HEAT EXCHANGERS

Crog-carborundum recuperators for patenting furnaces. M. A Rabinovich, I. V. Grigor'ev Ogneupory 28 no. 8 353-355 '63

Heat transfer in the gasification heat exchanger of an oxygen system with a liquid pump M I Gurevich Trudy Ural politekh inst no 108 89-96 '61

Hydrogen liquefiers with high-efficiency heat exchangers E. S Borovik, I. F. Mikhailov, N. A Kosik. Prib i tekh. eksp. 8 no. 3:165-168 My-Je '63

Operation of screw-type reactors-heat exchangers. A. G. Kasatkin, V. M. Lokai, L. N. Elkin. Khim. mashinostr. no. 4 8-10 Jl-Ag '63.

HEAT OF ADSORPTION

Absorption isotherms of nitrogen, benzene, and n-hexane vapors and the heat of adsorption of benzene and n-hexane on graphitized carbon blacks. Part 3' Thermodynamic characteristics of adsorption equilibria [with summary in English]. A. A. Isirikian, A. V. Kiselev. Zhur. fiz. khim. 37 no. 8:1776-1785 Ag '63.

Thermodynamics of the interaction of cellulose-water and water solutions of electrolytes. Part 2: Comparing the temperature relationships of the heat of interaction of water with standard and viscose celluloses. K. P. Mishchenko, N. P. Dymarchuk, V. V. Sokolov. Trudy LTITSBP no. 8, 109-113 '61.

Thermodynamics of the interaction of cellulose with water and water solutions of electrolytes. Part 4: Effect of predissolved nitrates on the integral heat of the interaction of cellulose with water. K. P. Mishchenko, N. P. Dymarchuk, V. V. Subbotina, Trudy LTITSBP no. 8:114-119 '61.

HEAT OF COMBUSTION

Heats of combustion of wheat gliadin during its thermal denaturation. V. V. Ponomarev and others. Dokl. AN SSSR 152 no. 1:151-152 S '63.

HEAT OF FORMATION

Free energy of chromium carbide formation E Z Vintaikin. Fiz met i metalloved 16 no 1 144-145 Jl '63

HEAT OF SOLUTION

Heat effect in the dissolution of zinc in acids [with summary in English]. I. I. Zabolotnyi, D. P. Frankevich. Zhur. fiz. khim. 37 no. 8:1661-1664 Ag '63.

HEAT PUMPS

Some possibilities of using a heat pump in pulp and paper production. I. K. Chernyshevskii. Trudy LTITSBP no. 8:140-145 '61.

HEAT REGENERATORS

Heat transfer in the working area of a regenerative furnace for nonoxidizing heating. V. P. Nikiforov, V. A. Kuroedov. Kuz.-shtam. proizv. 5 no. 7:26-30 Jl '63.

HEAT-RESISTANT ALLOYS

Akademiia nauk SSSR. Nauchnyi sovet po probleme zharoprochnykh splavov. [Investigations of highly resistant alloys and whisker crystals] Issledovaniia po vysokoprochnym splavam i nitevidnykh kristallam; doklady na nauchnoi sessii 1962 g. Moskva, 1963. 184 p.

Methods for studying emission properties of refractory metals, metal-like compounds and alloys. B. V. Bondarenko. Radiotekh. i elektron. 8 no. 9:1640-1648 S '63.

HEAT-RESISTANT ALLOYS—METALLOGRAPHY

Methods of revealing the dislocation structure of the KhN77TIUR heat-resistant alloy V D. Sadovskii Fiz. met. i metalloved 16 no 1.140-144 Jl '63.

HEAT-TREATING FURNACES see Furnaces, Heat-treating

HEATHER see subdivision under Siberia, Western

HEATING—STUDY AND TEACHING see subdivision under Minsk

HEATING FROM CENTRAL STATIONS

Determination of the optimum value of the coefficient of central heating of a heat and electric power plant during joint operation of peak-load boilers and heat and electric power plants A. I Kornichev. Izv. vys. ucheb. zav., energ 6 no 6 58-64 Ag '63

HEATING PLANTS

Standard unitized boiler plants for residential areas and industrial buildings. Inform biul. VDNKh no. 7:40 Jl '62.

HEDGE MUSTARD see subdivision under Volga Valley

HELICOPTERS

Swan drags a pike E. Muslin. Izobr. i rats. no. 7:44-45 '63

Use of helicopters for the transshipment of cargoes on roadsteads. L. Gas'kov. Mor flot 23 no 6:11-12 Je '63.

HELICOPTERS—DESIGN AND CONSTRUCTION

Ur'ev, B. N. [Aerodynamic analysis of helicopters] Aerodinamicheskii raschet vertoletov Moskva, Oborongiz, 1956. 959 p.

HELICOPTERS—PILOTING

The Mu-1 helicopter expands boundaries. N. Baiakin Kryl. rod 14 no. 7 17 Jl '63

Piloting the Mi-4 helicopter. F. Bogun. Grazhd. av. 20 no. 8:28-29 Ag '63.

HELIOTRIDANE—PHYSIOLOGICAL EFFECT

Effect of some new alkaloids of the 1-methyl-pyrrolizidine series on the coronary blood flow in a dog. Kh N. Nasritdinov, V A. Karimov, I K. Kamilov. Farm alk. no 1.263-267 '62

HELIUM

Determination of the spectrum of the activation energy values of argon and helium separation from minerals. E. K. Gerling, I. M. Morozova. Geokhimiia no 12:1103-1110 '62.

HEMATITE see subdivision under Kursk Magnetic Anomaly

HEMATOENCEPHALIC BARRIER

Permeability of the hematoencephalic barrier to inorganic phosphate in acute radiation sickness. D. A Chetverikov, S. V. Gasteva. Dokl. AN SSSR 151 no. 3: 718-721 Jl '63.

HEMATOLOGY

"Handbook on clinical hematology" by D. N. IAnovskii. Reviewed by A. IA. Gubergrits. Vrach. delo no. 8:154 Ag '63.

HEMINGWAY, ERNEST, 1898-1961—HOMES AND HAUNTS

Where Hemingway lived. E. Kunitsyn. Zvezda no. 6: 146-147 Je '62.

HEMOGLOBIN

Types of hemoglobin in young sturgeons. L. F. Golovanenko. Dokl. AN SSSR 151 no. 5:1236-1237 Ag '63.

HEMOPOIETIC SYSTEM

Hemo-tuberculin reactions as a manifestation of the adaptation syndrome [with summary in French]. M A. Klebanov Probl. tub. 41 no. 3, 30-34 '63.

Inclusion of C^{14}-labeled glycine in the hematopoietic cells of patients with leukemia [with summary in English]. G I Kozinets. G. V. Osechenskaia. Med. rad 7 no 11 53-59 N '62

HEMORRHAGE

Cataract following experimental hemorrhage into the vitreous body [with summary in English]. G. A. Petropavlovskaia. Uch. zap. GNII glaz. bol. no. 9:55-61 '63.

Resection of the stomach in peptic ulcer with hemorrhage Kh. Z. Akhunzianov. Kaz. med. zhur. no 3.73-74 My-Je '63

Study of the effectiveness of fonurit for the prevention of hemorrhages in the anterior chamber following a cataract extraction [with summary in English]. E. O. Saksonova. Uch. zap. GNII glaz. bol. no. 9: 101-106 '63.

HEMP—FERTILIZERS AND MANURES see subdivision under Ukraine

HEPARIN

Effect of ascorbic acid on the blood plasma tolerance to heparin in patients with vascular atherosclerosis [with summary in English]. M. V. Ignat'ev. Kardiologiia 3 no. 3:68-69 My-Je '63.

HEPATITIS, INFECTIOUS

Biochemical methods of studying the anicteric form of infectious hepatitis. B. V. Stroganov. Sov. med. 27 no. 7:98-101 Jl '63.

Chronic hepatites following Botkin's disease and their treatment with prednisolone [with summary in English]. A. M IArtseva. Terap. arkh. 35 no. 1:23-29 Ja '63.

HEPATITIS, INFECTIOUS (Continued)
Detecting the anicteric forms of Botkin's disease. B. V. Stroganov Vrach. delo no. 6:96-99 Je '63.
Effect of γ-globulin on the change of aldolase activity in those in contact with a focus of Botkin's disease. V. D. Soboleva. Sov. med. 27 no. 7:105-110 Jl '63.
Exacerbations and relapses in Botkin's disease. L. G. Urova. Sov. med. 27 no. 7:110-114 Jl '63.
Importance of determining the activity of transaminases, aldolase, phosphatase, and the heterohemagglutination reaction in some forms of Botkin's disease Sh. S. Khalfen, N. B. Tagieva, A. G Vinogradova. Sov. med 27 no. 7:102-105 Jl '63.
Infectious hepatitis patients must be completely cured; letter to the editors. A. M. Kishko. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:462 S-O '62.
Prevention of possible chronic lesions of the liver following a history of epidemic hepatitis (Botkin's disease) [with summary in English]. S. M. Ryss. Vrach. delo no. 8 82-86 Ag '63.
Side-effect phenomena during hormone therapy of Botkin's disease [with summary in English]. L. D. Levina. Sov. med. 27 no. 7:51-56 Jl '63.
Study of chemical mediators in infectious hepatitis (Botkin's disease). Zh. A. Rabenak. Vestsi AN BSSR. Ser. biial. nav. no. 1:78-81 '63.
Various aspects of the clinical picture and pathogenesis of Botkin's disease in children. L. P. Dalets'ka Ped., akush. i gin. 25 no. 2:23-27 '63.

HERBICIDES
Extermination of weeds by chemical substances. V. F. Gorbacheva. Izv. AN Turk. SSR. Ser. biol. nauk no. 4: 77-80 '63.
Herbicide mixtures A. V. Voevodin. Zashch. rast. ot vred. i bol. 8 no. 7 15-17 Jl '63.
Herbicides. V. F. Ladonin. Zashch. rast. ot vred. i bol. 8 no. 5:36-38 My '63.
Herbicides for controlling wild oats in Canada. V. M. Litvin. Zashch. rast. ot vred. i bol. 8 no. 5:50-52 My '63.
Herbicides for forest nurseries. IA. M. Velichko, L. M. Kozlova Zashch rast. ot vred i bol. 8 no 7 27 Jl '63.
Possibilities of the use of herbicides in one-year-old forest plantations. M. S. Gershun, T. N. Gurceva. Les. khoz. 16 no. 5:30-33 My '63.

HEREDITY, HUMAN
Further develop research on the heredity of man. N. P. Sokolov. Sov. med. 27 no. 7:3-6 Jl '63.

HERRING see subdivision under Aral Sea

HERRING FISHERIES see subdivision under White Sea

HERRING GULL see subdivision under Manych-Gudilo, Lake

HERTZEN, ALEKSANDR IVANOVICH, 1812-1870
Akademiia nauk SSSR. Institut mirovoi literatury. [Problems in the study of A. I. Hertzen's works] Problemy izucheniia Gertsena. Moskva, Izd-vo Akad. nauk SSSR. 1963. 536 p.
Eidel'man, N. IA. [Hertzen's "The Bell"] Gertsenovskii "Kolokol." Moskva, Uchpedgiz, 1963 103 p.
Porokh, I. V. [Hertzen and Chernyshevskii] Gertsen i Chernyshevskii. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 211 p
Putintsev, V. A. [Hertzen as writer] Gertsen—pisatel'. Izd. 2., ispr. i dop., Moskva, Izd-vo Akad. nauk SSSR, 1963, 311 p.

HETEROSIS
Manifestation of heterosis in crossbred chickens. N. V. Voroshilov. Vest. LGU 18 no. 15:141-149 '63.

HEXACHLORAN see Benzene hexachloride

HEXACOSANOIC ACID
Unsaturated acids and macrocyclic lactones. Report No. 11: Total synthesis of cis-9-hexadecenoic, cis-11-hexadecenoic (palmitvaccenic), cis-7-octadecenoic, and cis-9-hexacosanoic acids. L. D. Bergel'son and others. Izv. AN SSSR. Ser. khim. no. 8:1417-1421 Ag '63.

HEXONIUM
Rehexon treatment of hypertension [with summary in English]. T. IU. Elfimova. Vrach. delo no. 8:29-33 Ag '63.
Treatment of late toxemias in pregnancy with hexonium combined with reserpine. T. I. Zhupanenko. Ped., akush. i gin. 25 no. 2:44-46 '63.

HEXOSE PHOSPHATES
Column microanalysis of some phosphorylated hexoses [with summary in English]. E. P. Glushankov. Vest. LGU 18 no. 15:112-118 '63.

HIBERNATION
Induced potentials in the cerebral cortex of hibernating animals. M. B. Shtark, V. P. Daniliuk. Dokl. AN SSSR 151 no. 3:740-743 Jl '63.

HIDES AND SKINS
Kuznetsov, B. A., and E. V. Gaevoi. [Leather raw materials; fundamentals of the commercial study of materials, evaluation of quality, and primary processing] Kozhevennoe syr'e, osnovy tovarovedeniia; otsenka kachestva i pervichnaia obrabotka. Moskva, Zagotizdat, 1963. 241 p.
Specificity of reactions in the examination of goatskins as to their anthrax infection. L. E. Naimushina, A. S. Borozdina. Trudy VNIIVS 14:63-68 '59.

HIDES AND SKINS—DISINFECTION
Possibilities of using atomic energy for disinfecting raw hides and skins, wool and bristles. V. V. Arkhipov. Trudy VNIIVS 14:43-47 '59.

HIGH MOLECULAR WEIGHT COMPOUNES see Macromolecular compounds

HIGH-PRESSURE RESEARCH
Crystal holder for high-pressure research. G. G. Leont'eva. Prib i tekh. eksp. 8 no. 3:198 My-Je '63
Shift of the ferromagnetism - antiferromagnetism transition point in dysprosium under hydrostatic stress [with summary in English]. K. P. Belov, S. A. Nikitin, A. V. Ped'ko. Zhur. eksp. i teor. fiz. 45 no 2:26-28 Ag '63.
Studying the structure of cadmium sulfide at high pressures to 90 kilobars. S. S. Kabalkina, Z. V. Troitskaia Dokl. AN SSSR 151 no. 5.1068-1070 Ag '63
Usability of the reference points of a pressure scale. IU. S. Genshaft. Zhur. tekh. fiz. 33 no. 7.867-871 Jl '63.

HIGH-PRESSURE RESEARCH—EQUIPMENT AND SUPPLIES
Laboratory apparatus for compressing liquids at pressures up to 20 kat. L. D. Lifshits, E. D Martynov Prib. i tekh. eksp. 8 no. 3:161-164 My-Je '63

HIGH TEMPERATURE METALLURGY see Metals at high temperatures

HIKMET, NAZIM, 1902-1963
Panorama of truth. Kh. Kiamilev. Az. i Afr. seg. no. 8: 63-64 Ag '63.

HILBERT SPACE
Convergence of gradient methods for determining the local conditional minimum of a nonlinear functional under linear conditions in Hilbert space. I. Petersen. Dokl. AN SSSR 151 no. 1:45-47 Jl '63.

HINDI LANGUAGE—WORD FORMATION
Barkhudarov, A. S. [Word formation in Hindi] Slovoobrazovanie v khindi. Moskva, Izd-vo vostochnoi lit-ry, 1963. 101 p.

HIP JOINT—TUBERCULOSIS
Case of atypical tubercular process in the hip joint. IU. V. Pikuleva. Probl. tub. no. 8:107-109 '62.
Pinkhasik, M. I. [Tuberculous coxitis in children] Tuberkuleznyi koksit u detei. 2. izd., prosmotrennoe i dop. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 269 p. (DNLM)

HISTAMINE
Effect of histamine on the development of experimental atherosclerosis [with summary in English]. L. V. Kasatkina. Kardiologiia 3 no. 3.45-50 My-Je '63

HISTORIANS, JAPANESE
Japanese historians are struggling for peace. S. L. Budkevich. Vop. ist. 38 no. 8:103 Ag '63.

HISTORICAL FICTION, UKRAINIAN
Soviet Ukrainian historical novels. Al. Ovcharenko. Vop lit. 7 no. 7:224-226 Jl '63.

HISTORICAL MUSEUMS see subdivision under Kuybyshev

HISTORICAL RESEARCH
(see also subdivision under Germany, East; Hungary; Siberia, Western; Tashkent; Ukraine; Venezuela)
Brief news. Vop. ist. KPSS 7 no. 9:159 S '63.
In the Scientific Council of the Institute of Marxism-Leninism. M. V. Iskrov. Vop. ist. KPSS 7 no. 9:153-156 S '63.
Objectives of historical science in the light of the decisions of the plenary session of the Central Committee of the CPSU in June 1963 [with summary in English, p. 220]. Vop. ist. 38 no. 8:3-18 Ag '63.

HISTORIOGRAPHY
Selected works. N. M. Lukin. Reviewed by I. S. Galkin. Vest. AN SSSR 33 no. 9:103-105 S '63.

HISTORY
Brief notes. Vop. ist. 38 no. 7:203 Jl '63.
Brief notes. Vop. ist. 38 no. 8:208-209 Ag '63.
These books on history will be published in 1963 by the Publishing House of Educational Literature. I. S. Save l'ev. Vop. ist. 38 no. 7:161-163 Jl '63.

HISTORY—AUDIO-VISUAL AIDS
Educational motion pictures on history. M. I. Belen'kii. Prep. ist. v shkole 18 no. 5:96-100 S-O '63.
School game equipment on history. L. A. Chemodanov. Nach. shkola 31 no 7 84-85 Jl '63

HISTORY—BIBLIOGRAPHY see Bibliography—History

HISTORY—CURIOSA AND MISCELLANY
Historical news. Prep. ist v shkole 18 no. 5:127-128 S-O '63

HISTORY—DICTIONARIES
"Soviet historical encyclopedia." Vols. 1-2. M. K. Ivanitsa, IA. D. Ivanovych. Ukr. ist. zhur. 6 no. 3 116-117 My-Je '63.

HISTORY—PHILOSOPHY
Antiquity in the present-day bourgeois philosophy of history. V. P. Shestakov. Vest. drev. ist. no. 2 3-22 '63.
Kommunisticheskaia partiia Sovetskogo Soiuza. Vysshaia partiinaia shkola. Kafedra marksistsko-leninskoi filosofii. [Historical materialism] Istoricheskii materializm. Pod red. A. D. Makarova, G. V. Teriaeva, i E. N Chesnokova. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 349 p.
"Pure science" and the study of history. E. I. Pechuro. Vop. ist. 38 no. 8:197-198 Ag '63.

HISTORY—POPULAR WORKS
Vladimirov, V. P. [Journey into the far-off and near past] Puteshestvie v dalekoe i blizkoe. Moskva, Sovetskaia Rossiia, 1963, 276 p.

HISTORY—STUDY AND TEACHING
Aesthetics education in history lessons. G. R. Kosova. Sov. pedag. 27 no. 6:19-24 Je '63.
Annotations. Prep. ist. v shkole 18 no. 5:111-114 S-O '63.
"Arousing the cognitive activity of fifth-grade students during the study of history." Reviewed by M. A. Sukhoparova. Prep. ist. v shkole 18 no. 5:100-109 S-O '63.
A book on the use of local history material. V. V. Kargalov. Nach. shkola 31 no. 10-05-06 O '63.
Communist education and the study of history [with summary in English, p. 219]. IU. A. Polkakov. Vop. ist. 38 no. 7:3-18 Jl '63.
From heroism of the past to heroism of the present. N. I. Neumyvakin. Vech. sred. shkola 6 no. 3 56-57 My-Je '63.
Small children and local history. I. Ronkorovatnyi. Nar. obr. no. 6:115 Ag '63.
Teaching chronology A. I. Kazanskii. Nach. shkola 31 no 7 32-34 Jl '63

HISTORY, ANCIENT
Antiquity in the present-day bourgeois philosophy of history. V. P. Shestakov. Vest. drev. ist. no. 2:3-22 '63.

HISTORY, MODERN
"Modern history." A. M. Slobodenko. Ukr. ist. zhur. 6 no. 3:149-152 My-Je '63.
Narochnitskii, A. L., ed. [Modern history] Novaia istoriia; uchebnik dlia pedagogicheskikh institutov. Moskva, Uchpedgiz.
Pt. 1. 1640-1870. [By] S. N. Kan i dr. 1963. 731 p.
——— ——— ——— [Maps] Karty. 1962.
New textbook on modern history. A. V. Efimov. Prep. ist. v shkole 18 no. 5:80-96 S-O '63.
A scientist argues with an astrologer; a book review. B. Leont'ev. Nov. vrem. 21 no. 35:29-31 Ag '63.

HISTORY, MODERN—STUDY AND TEACHING
Materials on modern history for the tenth grade. Prep. ist. v shkole 18 no. 5:86-90 S-O '63.

HITTITE LANGUAGE—GRAMMAR
Ivanov, V. V. [The Hittite language] Khetskii iazyk. Moskva, Izd-vo vostochnoi lit-ry, 1963. 221 p. (Iazyki zarubezhnogo Vostoka i Afriki)

HITTITES
A convincing solution of a controversial question. M. L. Gel'tser. Vop. ist. 38 no. 8:202 Ag '63.

HODGKIN'S DISEASE
Lymphogranulomatosis of the sternum. I. R. Kuvaeva. Vest. rent. i rad. 38 no. 2:64-65 Mr-Ap '63.
Recovery of a patient with lymphosarcoma of the tonsils due to a compound method of treatment. IU. S. Polonskaia. Vest. otorin. no. 1.97-98 '63.

HODINOVA-SPURNA, ANEZKA, 1895-1963
News from everywhere. Zhen. mira no. 5:4-5 '63.

HOISTING MACHINERY
Bucket-type hoist of the P. I. Shev'ev system. Prom. energ. 18 no. 5:34 My '63.
Capacity rating of electric motors of hoisting machinery. V. A. Vakhlamov. Trudy GISI no. 30:173-175 '61.

HOISTING MACHINERY (Continued)

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.
Pt. 3. Sec. G. ch. 10-1, [Hoisting and transport equipment, regulations for manufacture and acceptance of assembly work.] Pod'emno-transportnoe oborudovanie; pravila proizvodstva i priemki montazhnykh rabot (SNiP III-G. 10-62). 1963. 30 p.

HOISTING MACHINERY—STUDY AND TEACHING

Rodenko, N. F., M. P. Aleksandrov, and A. G. Lysiakov. [Course project in the design of hoisting machinery] Kursovoe proektirovanie gruzopod"emnykh mashin. Moskva, Mashgiz, 1963. 303 p.

HOLLAND see Netherlands

HOLY WELLS see subdivision under Baranchik

HOME AND SCHOOL

Consultations for parents. M. I. Togulева. Nach. shkola. no. 10, 67-71. O '63.

Discussion goes on. P. Merson and others. Doshk. vosp. 36 no. 6, 59-68. Je '63.

Let children have the best. Z. Shabkhi. Doshk. vosp. 36 no. 6, 76-77. Je '63.

Teacher and mother. E. Petrova. Doshk. vosp. 36 no. 6, 69-73. Je '63.

HOME ECONOMICS

A handbook of useful advice. Ukraina no. 14, 12. Jl '63.

Useful advice. Rab. i stroi. 39 no. 8, 22. Ag '63.

Useful advice. Rab. i stroi. 39 no. 6, 23. Je '63.

HOME ECONOMICS—EQUIPMENT AND SUPPLIES

Dry goods, perfumery, and household chemicals. Inform. biul. VPNIIH no. 5, 11-12. My '62.

HOME ECONOMICS—STUDY AND TEACHING

Let's improve the teaching of home economics in schools. O. S. Martynova. Shkola i proizv. 7 no. 8, 74-77. Ag '63.

HOME NURSING

Medical care at home or an infirmary in the home. N. G. Orlov. Sov. zdrav. 22 no. 6, 17-22. '63.

HOMERUS

"Homerus and his poems" by S. Marfish. A. P. Kazhdan. Vest. drev. ist. no. 2, 183-184. '63.

Problem of responsibility and the inner life of the heroes of Homeric poems. V. N. Iarkho. Vest. drev. ist. no. 2, 46-61. '63.

HONEY PLANTS
(see also subdivision under Uzbekistan)

Effect of forest shelter belts on the nectar productivity and the seed yield of sainfoin and sunflowers. K. IA. Fomina. Dokl. TSKHA no. 62, 531-536. '61.

HOPS—STORAGE see subdivision under Ukraine

HORMONE THERAPY

Gaseous exchange in the heart muscle in experimental miocardial infarct under the effect of hormonal factors (ACTH and cortisone). A. G. Khmel'ko. Vrach. delo no. 6, 117-118. Je '63.

Hormone therapy in breast cancer [with summary in English]. L. I. Korenevskii, M. P. Ishchenko. Vrach. delo no. 6, 53-58. Je '63.

Hormone therapy of pulmonary tuberculosis and its complications [with summary in French]. A. IA. TSigel'nik, K. I. Volkova. Probl. tub. 41 no. 3, 16-21. '63.

Side-effect phenomena during hormone therapy of Botkin's disease [with summary in English]. L. D. Levina. Sov. med. 27 no. 7, 51-56. Jl '63.

HORMONES, SEX

Hormonal displacements in patients with malignant neoplasms of the testicle. I. F. IUnda. Vrach. delo no. 8, 126-127. Ag '63.

HORNFELS see subdivision under Caucasus

HOSE

Mogilianskii, N. K. [Hose for wine conveying and its maintenance] Vinnye shlangi i ukhod za nimi. Kishinev, Partiinoe izd-vo TsK KP Moldavii, 1962. 11 p. [MICROFILM]

HOSPITAL CARE

Some remarks on A. S. Voronov's monograph "Hospital therapy." O. N. Ganzha. Vrach. delo no. 8, 154-156. Ag '63.

HOSPITALS—ADMINISTRATION

Some problems of organizing the work of the receiving department of city and district hospitals. B. M. Krupkin. Sov. zdrav. 22 no. 6, 49-50. '63.

HOSPITALS—OUTPATIENT SERVICES

Dispensary service for patients with influenza and catarrh of the upper respiratory tracts. E. S. Mikhailova. Sov. zdrav. 22 no. 6, 16-17. '63.

Dispensary services for the population. F. G. Gudoshnikov. Sov. zdrav. 22 no. 6, 13-16. '63.

Organizing the work of registration in the city polyclinic. P. A. Spiridonov. Sov. zdrav. 22 no. 6, 16-17. '63.

Results of self-recording of patients to see the doctor. D. A. Teliushchenko. Sov. zdrav. 22 no. 6, 47-49. '63.

HOT-WATER SUPPLY

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.
Pt. 2. Sec. G. ch. 8. [Hot-water supply, standards of design] Gorichee vodosnabzhenie, normy proektirovaniia (SNiP II-G. 8-62). 1963. 11 p.

HOURS OF LABOR

Supplementary leave and shorter workday in hazardous occupations. A. Kalinin. Sots. trud. 8 no. 6, 145-151. Je '63.

HOUSING see subdivision under Moscow, Ukraine, Western, Uzbekistan

HOUSING—LAW AND LEGISLATION

Dmitriev, N. G., and S. N. Rozantsev. [Manual on housing problems] Spravochnik po zhilishchnym voprosam. Pod obshchei red. F. A. Sturzhizhovskogo. [Moskva] Moskovskii rabochii, 1963. 195 p.

Judicial practice in housing conflicts. P. Trubnikov. Biul. Verkh. Suda no. 4, 14-18. '63.

HUBENKO, PAVLO MYKHAILOVYCH, 1889-1956—MUSEUMS, RELICS, ETC.

On a visit to Ostap Vyshnia. Iryna Rozum. Ukraina no. 15, 5. Jl '63.

HULLS (NAVAL ARCHITECTURE)

Conference on problems of overall mechanization in the building of ship hulls. L. M. Bystrevskii. Sudostroenie 29 no. 5, 68-69. My '63.

Determining the probability of a ship not sinking after having been holed. B. N. Volkov. Sudostroenie 29 no. 5, 4-8. My '63.

Effect of irregular wear on the static strength of ship hull plating. D. T. Chapkis. Sudostroenie 29 no. 5, 14. My '63.

Strength of glued joints. A. P. Kalmychkov, B. F. Prokhorov. Sudostroenie 29 no. 5, 38-41. My '63.

Utilizing the hull space in "Arkhangel'sk"-type motorships. A. S. Briker, E. N. Kultashev. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10, 15-28. '62.

HULLS (NAVAL ARCHITECTURE)—CORROSION

Some regularities in the wear of medium trawler hulls. IA. Glusker, L. Semenov. Mor. flot 23 no. 6, 27-28. Je '63.

HUMAN EMBRYOLOGY see Embryology, Human

HUMANISM
(see also subdivision under Ukraine, White Russia)

Strength of truth. T. Napolova. Zvezda no. 6, 164-172. Je '62.

HUMIC ACID

Role of humic acids in the geochemistry of soils [with summary in English]. T. V. Drozdova. Pochvovedenie no. 8, 40-47. Ag '63.

HUMIDITY

Effect of humidity on the development of convective movements in a cloudless atmosphere. N. I. Vul'fson. Dokl. AN SSSR 151 no. 5, 1089-1092. Ag '63.

HUMPBACK SALMON see Pink Salmon

HUMUS

Changes in the mobility of humus substances in peat [with summary in English]. V. P. TSyplenkov. Pochvovedenie no. 8, 58-67. Ag '63.

Characteristics of organic substances in soils determined by Springel's method in an experiment of the Timiriazev Agricultural Academy [with summary in English]. A. M. Lykov, V. E. Egorov. Izv. TSKHA no. 3, 224-227. '63.

Effect of liming on the organic substances of soils and fertilizers. S. G. Shederov. Trudy VIUA no. 38, 117-127. '61.

HUNGARIAN LITERATURE—HISTORY AND CRITICISM

Klaniczay, T., J. Szauder, and M. Szabolcsi. [Concise history of Hungarian literature from the IIth to the 20th century. Translated from the Hungarian] Kratkaia istoriia vengerskoi literatury XI-XX veka. [Budapest] Izd-vo Korvina, [1962]. 403 p.

HUNGARIAN PAINTING see Painting, Hungarian

HUNGARY—BIBLIOGRAPHY

[New literature on Hungary] Nov. lit. po Veng. nos. 6-7. '63.

HUNGARY—CHURCH AND STATE

Creative approach and concreteness. J. Lukacs. Nauka i rel. 4 no. 7, 22-24. Jl '63.

HUNGARY—ECONOMIC POLICY

Current problems in the development of the Hungarian national economy. I. Hetenyi. Plan. khoz. 40 no. 9, 85-90. S '63.

HUNGARY—ECONOMICS—YEARBOOKS

Yearbook of the Institute of Economics of the Hungarian Academy of Sciences. E. Kovrigina. Plan. khoz. no. 8, 90-92. Ag '63.

HUNGARY—ETHNIC TYPES

Mongoloid features of the ancient Avar population of Transdanubia. T. A. Tot. Vop. antr. no. 17, 145-150. '62.

HUNGARY—FOREIGN RELATIONS—RUSSIA

Khrushchev, N. S. [Fraternal union, Indissoluble friendship; a speech at the meeting of Soviet Hungarian friendship on July 19, 1963] Bratskii soiuz, nerushimaia druzhba, rech' na mitinge sovetsko-vengerskoi druzhby 19 iiulia, 1963 goda. Moskva, Gospolitizdat, 1963. 30 p.

HUNGARY—FURNACES, HEATING

Modernization of soaking pits with bottom heating. Attila Biro, Jozsef Franela. Stal' 23 no. 7, 650. Jl '63.

HUNGARY—HISTORICAL RESEARCH

Long-range plans for the scholarly research of Hungarian historians. Gyorgy Kaniz, Agnes Sashvari. Vop. ist. 38 no. 6, 204-206. Ag '63.

HUNGARY—HISTORY

Nemes, Dezso. [Historical significance of the Hungarian Soviet Republic] Istoricheskoe znachenie Vengerskoi Sovetskoi Respubliki. [Budapest] Akademiai Kiado, 1960. 65 p. (Studia historica Academiae Scientiarum Hungaricae, no. 41) [With summary in French] (City)

[Studies on the modern and the most recent history of Hungary] Ocherki novoi i noveishei Vengrii. Moskva, Izd-vo sotsial'no-ekonomicheskoi lit-ry, 1963. 314 p.

HUNGARY—INDUSTRIAL ORGANIZATION

History of the socialist reorganization of a country. I. F. Orlik. Vop. ist. 38 no. 7, 185-186. Jl '63.

HUNGARY—LABOR AND LABORING CLASSES

Struggle for the unity of Hungarian workers during the Second World War. A. K. Shurkalin. Vop. ist. 38 no. 7, 186-187. Jl '63.

HUNGARY—LEVEL (SURVEYING INSTRUMENT)

Ni-b3 level with a self-adjusting line of sight. I. N. Meshcherskii. Geod. i kart. no. 6, 8-11. Je '63.

HUNGARY—LIBRARIES, CHILDREN'S

Some problems of library service for children in Hungary. N. B. Medvedeva, K. A. Nikolaenko. Bibliotekovedenie i bibl. za rub. no. 11, 156-163. '63.

HUNGARY—PUBLIC PROSECUTORS

How the public prosecutors of the Hungarian People's Republic ensure a strict observance of socialist law. Szenasi Geza. Sots. zakon. 40 no. 7, 67-72. Jl '63.

HUNGARY—SHIPBUILDING

Shipbuilding in the Hungarian People's Republic. [Interview] Mor. flot 23 no. 6, 30-31. Je '63.

HUNGARY—WOMEN AS PHYSICIANS

Magda Radnot, a tireless researcher. Maria Zofkova. Zhen. mira no. 4, 20-21. '63.

HYBRID CORN
(see also subdivision under Dnepropetrovsk Province, Turkmenistan)

Features of the organogenesis of the VIR 35 hybrid and its parent varieties. P. Diakonu. Dokl. TSKHA no. 77, 153-162. '61.

HYDANTOIN

Mass spectra of phenylthiohydantoins of amino acids. N. S. Vul'fson and others. Izv. AN SSSR. Ser. khim. no. 8, 1524-1525. Ag '63.

HYDRATION

Change of the heat capacity during the hydration of monatomic and polyatomic ions. G. A. Krestov. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2, 220-222. '63.

Some physicochemical and engineering properties of synthetic hydroferrites and sulfoaluminoferrites of calcium. O. I. Gracheva. Trudy NIIAsbestcementa no. 11, 59-62. '62.

Thermodynamic characteristics of the change of mobility of water molecules during the hydration of ions. G. A. Krestov, V. I. Klopov. Zhur. strukt. khim. 4 no. 4, 503-513. Jl-Ag '63.

HYDRAULIC CONTROL

Improving static and dynamic characteristics of hydraulic jet controllers with a secondary amplifier. A. S. Kliuev. Priborostroenie no. 9, 6-8. S '63.

Investigating valves for marine automatic control systems. D. E. Brill', IU. M. Orlov. Sudostroenie 29 no. 7, 30-31. Jl '63.

Power potentialities of hydraulic control systems. I. M. Krassov. Priborostroenie no. 7, 3-6. Jl '63.

HYDRAULIC CONTROL (Continued)

Transducer of the derived frequency of an electrohydraulic controller of a hydraulic turbine V. L. Benin, L. I. Abramova. Izv. vys. ucheb. zav., elektromekh 6 no. 5:592-596 '63.

HYDRAULIC ENGINEERING
(see also subdivision under Armenia)

Vortex rescues fishes A. Arshava Tekh mol 31 no. 9:28-29 '63

HYDRAULIC ENGINEERING—STUDY AND TEACHING
see subdivision under Minsk

HYDRAULIC MACHINERY

Current dividers for hydraulic systems IU. D. Gurevich, I. Kh. Gubaidullin. Transp. stroi. 13 no. 7:65-66 Jl '63

Study of the hydraulic drive of the extensible sections of orchard cultivators. I. B. Bernshtein. Nauch. trudy UNIIMESKH 1:112-117 '62.

Transducer for oscillographic recording of the operating processes in low-pressure hydraulic systems. K. E. Dolganov. Nauch. trudy UNIIMESKH 4:71-75 '62.

HYDRAULIC MEASUREMENTS

Luchsheva, A. A. [Collection of problems on hydrometry] Sbornik zadach po gidrometrii. Leningrad, Gidrometeoizdat, 1963. 291 p.

HYDRAULIC MINING
(see also subdivision under Lake Kuchuk)

Conference on the hydromechanical working of open-pit mines. P. A. Ivanov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 7:199-200 '63.

Determination of the force of the impact of a hydraulic giant jet on a barrier. A. S. Lyshevskii. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 7:29-37 '63.

Hydraulic calculation of hydraulic rock breaking. K. G. Asatur. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 7:23-28 '63.

HYDRAULIC PRESSES

Automatic control of industrial processes on hydraulic presses with respect to the function of time. M. G. Brandenburgskii, I. IA. Kotliarenko, V. M. Levertov. Kuz.-shtam. proizv. 5 no. 5 22-27 My '63.

Investigating leaks in slide valve pairs. G. K. Bronin. [Nauch. trudy] ENIKMASha 6:105-117 '63

Reinforced concrete plungers for hydraulic presses with an up to 1,000-ton capacity. A. E. Lopatto, F. A. Shil'gorin. Vest. mashinostr. 43 no. 8:23-25 Ag '63.

Wood packing for hydraulic presses and pumps. I. A. Shashkin. [Nauch. trudy] ENIKMASha 6:70-80 '63

HYDRAULIC PRESSES—CLEANING

Ultrasonic cleaning of pipes in hydraulic systems of presses. F. A. Shil'gorin. Vest. mashinostr. 43 no. 8: 76 Ag '63.

HYDRAULIC PRESSES—SAFETY APPLIANCES

High pressure relief valves. I. V. Kononov. [Nauch. trudy] ENIKMASha 6:81-104 '63.

HYDRAULIC PRESSES—TESTING

Using pressure transmitters in the testing of hydraulic presses. IU. A. Bocharov. Kuz.-shtam. proizv. 5 no. 8:29-30 Ag '63.

HYDRAULIC STRUCTURES

Steepness of slopes of underwater trenches [with abstract in English]. A. A. Kirillov, V. K. Siminkov, IU. S. Davydov. Izv. TSKHA no. 3:195-199 '63.

HYDRAULIC STRUCTURES—MAINTENANCE AND REPAIR

Greater attention to the protection of engineering structures in sea harbors, review of letters received. Mor. flot 23 no. 6:34-35 Je '63.

HYDRAULIC TURBINES

Analysis of the results of natural cavitational tests of reversible-blade type hydraulic turbines. N. T. Klimkov, V. L. Diakin. Izv. vys. ucheb. zav., energ. 6 no. 8:101-107 Ag '63.

Calculation of round plates strengthened by radial ribbing G. Kh. Frank-Kamenetskii. Energomashinostroenie 9 no. 6:11-14 Je '63.

Transducer of the derived frequency of an electrohydraulic controller of a hydraulic turbine V. L. Benin, L. I. Abramova. Izv. vys. ucheb. zav.; elektromekh 6 no. 5:592-596 '63.

HYDRAZINE

Formation of hydrazine in the γ-irradiation of liquid ammonia and aqueous solutions of ammonia. IU. A. Sorokin, V. I. TSivenko, S. IA. Pshezhetskii. Zhur. fiz. khim. 37 no. 8:1871-1875 Ag '63.

HYDRAZONES

Synthesis of bromo derivatives of nitroformaldehyde of aryl hydrazone. L. S. Pupko, G. A. Lanchuk, A. I. Dychenko. Ukr. khim. zhur. 29 no. 6:610-612 '63.

HYDROBIOLOGY

Brief news and information. Zool. zhur. 42 no. 8:1283-1286 '63.

HYDROBROMIC ACID

Dehydrobromination of isopropyl bromide A. M. Rozhnov, D. N. Andreevskii Neftekhimiia 3 no. 1:105-112 My-Je '63

Structure of the complex of mesitylene with aluminum bromide and hydrogen bromide. V. A. Koptiug and others. Izv. AN SSSR. Ser. khim. no. 9:1700 S '63.

HYDROCARBONS
(see also subdivision under Khibiny Mountains)

Alkylation of phenols by bifunctional compounds Report No. 9: Alkylation of m- and p-cresols by conjugated diene hydrocarbons in the presence of ethylsulfuric acid E. A. Viktorova, N. I. Shuikin, I. A. Kaizerkhanov. Izv. AN SSSR, Ser. khim. no. 7:1281-1284 Jl '63

Calculation of the steady-state concentrations of R and RO_2 radicals as a function of the concentration of O_2 in the reactions of oxidation of hydrocarbons R. F. Vasil'ev. Izv. AN SSSR. Ser. khim no. 7:1191-1195 Jl '63.

Effect of the fractional and hydrocarbon composition of fuels on thermal stability. I. M. Bushueva, I. E. Bespolov. Khim. i tekh. topl. i masel 8 no. 8:49-51 Ag '63.

Electrochemical regeneration of catalysts as a method for accelerating the liquid phase oxidation of hydrocarbons L. A. Muzychenko, A. I. Zhemzhur, A. I. Kamneva Neftekhimiia 3 no. 3:390-396 My-Je '63

Hydrogenation of diene hydrocarbons on a liquid phase platinum catalyst L. Kh. Freidlin, I. F. Litvin Izv. AN SSSR Ser. khim no. 7:1307-1312 Jl '63

Interaction of two inhibitors in the reaction of oxidation of hydrocarbons. G. V. Karpukhina, Z. K. Maizus, N. M. Emanuel'. Dokl. AN SSSR 152 no. 1:110-113 S '63.

Kinetics of benzoyl peroxide decomposition in acetylenic hydrocarbons. I. M. Barkalov, V. I. Gol'danskii, Go Min'-gao [Kuo Min-kao]. Dokl AN SSSR 151 no. 5:1123-1126 Ag '63.

Mechanism underlying carbon formation in the processes of thermal conversions of hydrocarbons. R. Z. Magaril. Khim. i tekh. topl. i masel 8 no. 8:1-5 Ag '63.

Role of ketones as intermediate products in the formation of acids in liquid phase oxidation of hydrocarbons I. K. Obukhova, N. M. Emanuel'. Neftekhimiia 3 no. 3:367-370 My-Je '63.

Solubility of hydrocarbons of the naphthalene series in water A. N. Guseva, E. I. Parnov Vest. Mosk. un. Ser. 2:Khim. 18 no. 4:80-82 Jl-Ag '63

Synthesis of γ-mercuridinitrohydrocarbons V. A. Tartakovskii and others Izv. AN SSSR. Ser. khim no. 7:1328-1329 Jl '63.

Synthesis of symmetrical acetylenic hydrocarbons and their α,ω-di-derivatives starting from α,α,α-trichloro- and $\alpha,\alpha,\alpha,\omega$-tetrachloroalkanes. R. Kh. Freidlina, T. A. Kost. Izv. AN SSSR. Ser. khim. no. 9:1583-1587 S '63.

Use of macroporous glasses in gas adsorption chromatography for separating liquid hydrocarbons S. P. Zhdanov, A. V. Kiselev, IA. I. IAshin Neftekhimiia 3 no. 3:417-424 My-Je '63.

HYDROCARBONS—NOMENCLATURE

Geochemical classification of hydrocarbon gases. K. P. Kofanov. Trudy KF VNII no. 1:279-298 '59.

HYDROCARBONS—THERMAL PROPERTIES

Attainable superheating of liquids. V. P. Skripov, G. V. Ermakov. Zhur. fiz. khim. 37 no. 8:1925-1927 Ag '63.

Thermal stability of synthetic hydrocarbons C_{32} having a hybrid structure. S. R. Sergienko, L. N. Kvitkovskii. Dokl. AN SSSR 151 no. 3:587-590 Jl '63.

HYDROCHLORIC ACID

Decomposition of ilmenite concentrate by hydrochloric acid, Report No. 2. E. P. Bellakova, A. A. Dvornikova. Ukr. khim. zhur. 29 no. 6:633-636 '63.

Interaction of hydrogen chloride, tetra-n-butyl ammonium chloride with trimethylchlorosilane in benzene solutions. I. P. Gol'dshtein and others. Izv. AN SSSR. Ser. khim. no. 9:1683-1685 S '63.

Kinetics of catalytic hydrochlorination of styrene. Iu. M. Zhorov, I. G. Mirgaleev, IA. M. Paushkin. Neftekhimiia 3 no. 3:399-404 My-Je '63

Relation of histological changes in the gastric stump to the secretion of hydrochloric acid and uropepsin in the late postresection period. V. Salupere. Terap. arkh. 35 no. 1:59-65 Ja '63.

HYDRODYNAMICS

Analytic determination of the form of a free surface and velocity field in an expanding channel area in case of a steady flow. I. G. Kristosturian. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 2/3:69-76 '63.

Curves of the distribution of longitudinal speeds of components of a sediment transporting flow. E. T. Dzhrbashian, D. M. Oganesian. Izv. AN SSR. Ser. tekh. nauk 16 no. 2/3:77-82 '63.

Determining the shape of a gas bubble in axisymmetric liquid flow. O. M. Kiselev PMTF no. 3:147-149 My-Je '63.

Energy-momentum tensor of radiation in a moving medium near equilibrium. V. S. Imshennik, IU. I. Morozov PMTF no. 3:3-10 My-Je '63.

Flow of an ideal fluid with free surfaces in triply connected regions. G. P. Cherepanov PMM. mat. i mekh. 27 no. 4:731-734 Jl-Ag '63

Laminar flame in turbulent flow A. M. Klimov PMTF no. 3:49-58 My-Je '63.

Motion of a compressible fluid in plane channels with movable walls. A. F. Sidorov. Prikl. mat. i mekh. 27 no. 4 719-725 Jl-Ag '63.

Motion of an inclined plate below a free surface. L. A. Epshtein. Prikl. mat. i mekh. 27 no. 4 735-738 Jl-Ag '63.

Plane flow of an ideal incompressible liquid past thin profiles with large flow rates [with summary in English] A. I. Borisenko, A. D. Myshkis. Ukr. mat. zhur. 15 no. 2:119-131 '63

Power resources of rough seas G. Vadimov. Tekh. mol. 30 no. 11:30 '62.

Pressure losses at an unsteady flow of noncompressible liquid. B. L. Buniatian. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 2/3 101-108 '63.

Relative speed of solid particles in a turbulent flow. E. T. Dzhrbashian. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 2/3:59-67 '63.

Shvidler, M. I. [Filtration flows in nonhomogeneous media] Filtratsionnye techeniia v neodnorodnykh sredakh. Moskva, Gostoptekhizdat, 1963 134 p.

Steady motion of a conducting fluid in a rectangular channel under a transverse magnetic field O. A. Berezin PMTF no. 3:155-159 My-Je '63.

Theory of depositing a viscous liquid on a fiber or wire extracted from it. B. V. Deriagin. PMTF no. 3:71-78 My-Je '63.

HYDROELECTRIC POWER STATIONS
(see also subdivision under Divnogorsk, Irtysh Valley; see also Bratsk Hydroelectric Power Station)

Calculating the vibrations of a hydraulic unit turbine-generator caused by drops and applications of the load. K. Kh. Ovsepian. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 2/3:95-100 '63.

Concerning errors in V. G. Zhuravlev's article "Engineering and economic basis for the operating capacity of the water reservoir of a low-pressure hydroelectric power station" G. V. Klishevich Izv. vys. ucheb. zav., energ. 6 no. 8 125-130 Ag '63.

Concerning V. P. Brimerberg's article "Use of the framework of a hydroelectric power station as a grounding system" N. A. Kurzh. Elek. sta. 34 no. 6:87-88 Je '63.

A descendent of Marka-Kul, shepherds. V. Ganzha. Part. zhizn' Kazakh. 33 no. 7:75-77 Jl '63.

Sufficient conditions for dynamic stability of the control of a hydraulic turbine-generator unit. N. K. Ioannisian. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 2/3:109-116 '63.

Use of an electronic digital computer in calculating the optimum operation of hydroelectric power stations in a consolidated system with seasonal regulation V. I. Obrezkov Elek. sta. 34 no. 6 38-42 Je '63

Use of whirl funnels for passing wood through hydraulic developments V. S. Pokeev. Izv. vys. ucheb. zav. energ. 6 no. 8:119-123 Ag '63

HYDROFLUORIC ACID

Vapor pressure over the system NH_4F, HF of various ammonia content. IU. I. Usova, A. F. Alabyshevn. Zhur. fiz. khim. 37 no. 8:1870-1871 Ag '63.

HYDROFOIL BOATS see subdivision under United States

HYDROGEN

Catalytic evolution of hydrogen on mercury when a high proportion of the electrode surface is filled with the catalyst. A. N. Frumkin, D. I. Dzhaparidze, G. A. Tedoradze. Dokl. AN SSSR 152 no. 1:164-167 S '63.

Electrochemistry of niobium. Part I: Hydrogen overvoltage on niobium [with summary in English]. A. L. Rotinian, N. M. Kozhevnikova. Zhur. fiz. khim. 37 no. 9:1818-1824 Ag '63.

Increasing the sources of hydrogen supplied for ammonia synthesis. M. E. Sypko, Koks i khim. no. 6:57 '63.

Nuclear magnetic resonance method used in studying the state of hydrogen in aquapoly compounds of tungsten. Vikt. I. Spitsyn, V. F. Chuvaev, V. IA. Kabanov. Dokl. AN SSSR 152 no. 1:153-155 S '63.

Plane hydrogen cloud around the earth. P. V. Shcheglov. Priroda 52 no. 8:85-88 Ag '63.

Surface catalytic evolution of hydrogen during the polarographic investigation of unbuffered solutions of pyridine. L. D. Klinkina, S. G. Mairanovskii. Izv. AN SSSR. Ser. khim. no. 7:1183-1186 Jl '63.

HYDROGEN—THERMODYNAMIC PROPERTIES

Thermodynamic properties of dissociated hydrogen and oxygen [with summary in English]. P. M. Kessel'man, V. A. Rabinovich. Inzh.-fiz. zhur. 6 no. 7:43-49 Jl '63.

HYDROGEN-ION CONCENTRATION

Alkalinity and acidity of the pegmatite process I. V. Davidenko. Min. syrie no. 7 34-38 '63.

Cation exchange study of the behavior of indium as dependent on the concentration of oxalate ions and of the pH of solution E. P. TSintsevich and others. Vest. Mosk. un. Ser. 2 Khim 18 no. 4:70-72 Jl-Ag '63.

HYDROGEN-ION CONCENTRATION (Continued)

Dependence of carbon electrode potential on the pH of a solution under isoelectric conditions. E. A. Ponomarenko, A. N. Frumkin, R. Kh. Burshtein. Izv. AN SSSR. Ser. khim. no. 9:1549-1555 S '63.

Effect of the concentration of elements of a pH of their sedimentation. O. V. Shcherbak. Min. syr'ye no. 7:71-85 '63.

High-resistance potentiometer and pH-meter based on LP-58. V. G. Mairanovskii. Zav. lab. 29 no. 8:1010-1011 '63.

HYDROGEN ISOTOPES

Isotopes of hydrogen and neutron. N. A. Vlasov. Priroda 52 no. 8:75-77 Ag '63.

HYDROGEN PEROXIDE

Catalytic effect of titanium (IV) on the reaction of oxidation of thiosulfate by hydrogen peroxide. Part 1. Effect of concentration. A. K. Babko, V. A. Litvinenko. Ukr. fiim. zhur. 29 no. 6:618-623 '63.

Mechanism of the catalytic decomposition of hydrogen peroxide in solution by sodium molybdate together with other salts. Part 2. Sodium molybdate + calcium chloride or strontium chloride [with summary in English]. V. I. Sacherbinin. Zhur. fiz. khim. 37 no. 8:1832-1840 Ag '63.

HYDROGEN SULFIDE

Effect of the addition of palladium on the rate of interaction of solid acetates with hydrogen sulfide. A. P. Buntin, V. N. Naustroeva. Izv. TPI 111:124-130 '61.

Removal of hydrogen sulfide in hollow even-flow absorbers with a centrifuge volumetric sprayer. S. N. Ganz, I. E. Kuznetsov. Koks i khim. no. 9:37-42 '63.

Study of ore of the Rozhdestvenka deposits of Tomsk Province as hydrogen sulfide absorber. K. K. Stramovskaia, A. S. Pozhitnaia. Izv. TPI 111:110-114 '61.

HYDROGENATION

Activity of a Co/Al_2O_3 catalyst with various ratios of components. A. E. Agronomov, A. P. Mishchenko. Vest. Mosk. un. Ser. 2 khim. 18 no. 4:50-54 Jl-Ag '63.

Catalytic hydrogenation of furan and aliphatic hydroxy compounds by the flow method under elevated hydrogen pressure. I. F. Bel'skii, N. I. Shuikin, V. M. Shostakovskii. Izv. AN SSSR. Ser. khim. no. 9:1631-1635 S '63.

Conjugated hydrogenolysis in the synthesis of pyrrolidine homologs. I. F. Bel'skii, N. I. Shuikin, G. E. Skobtsova. Izv. AN SSSR. Ser. khim. no. 9:1675-1678 S '63.

Dehydrogenation and hydrogenolysis of cyclohexane on *Ru/SiO2 catalyst*. F. B. Goneim, A. A. Balandin, T. A. Slovokhotova. Izv. AN SSSR. Ser. khim. no. 7:1203-1210 Jl '63.

Hydrogenation of diene hydrocarbons on a liquid phase platinum catalyst. L. Kh. Freidlin, E. F. Litvin. Izv. AN SSSR. Ser. khim. no. 7:1307-1312 Jl '63.

Hydrogenation of stereoisomers of piperylene on metallic catalysts. L. Kh. Freidlin, E. F. Litvin. Neftekhimiia 3 no. 3:326-329 My-Je '63.

Hydrogenation of the C_{10}- C_{16} acids over copper-chromia and zinc-chromia catalysts. A. P. Belokopytova and others. Khim. i tekh. topl. i masel 8 no. 8:6-10 Ag '63.

Hydrogenation of 2-methyl-5-acetylfuran in the liquid phase. N. I. Shuikin and others. Izv. AN SSSR. Ser. khim. no. 8:1475-1478 Ag '63.

HYDROGRAPHIC SURVEYING

Photogeodetic tying-in of depth measurements. A. Zemblinov. Rech. transp. 22 no. 7:35-37 Jl '63.

HYDROLOGY see subdivision under Caspian Sea

HYDROLYSIS

Determination of the dissociation constants of carbonic acid and calculation of the extent of CO_3^{2-} and HCO_3^- ion hydrolysis in the solutions of carbonates and bicarbonates at elevated temperatures [with summary in English]. B. N. Ryzhenko. Geokhimiia no. 2:137-148 F '63.

Hydrolysis of germanium tetrachloride. E. A. Kniazev. TSvet. met. 36 no. 8:63-66 Ag '63.

Korol'kov, I. I., and Z. A. Tiagunova. [Continuous neutralization of hydrolysates] Nepreryvnaia neitralizatsiia gidrolizatorov. Moskva, TSentr. in-t tekhn. informatsii i ekonom. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963. 31 p. (Gidroliz i lesokhimiia)

[MICROFILM]

Zhalova, E. IA. [New method for the manufacture of glucose] Novyi metod polucheniia glukozy. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 36 p.

[MICROFILM]

HYDROMETALLURGY

Investigations on the hydrometallurgical treatment of cathodic residues of titanium in presence of fluoride-bearing salts. V. S. Mirochnikov, V. A. Reznichenko. Titan i ego splavy no. 9:252-254 '63.

Salting out double titanyl and ammonium sulfates from sulfuric acid solutions containing iron. IA. G. Goroshchenko, V. G. Malorov, S. A. Fediushkina. Titan i ego splavy no. 9:158-161 '63.

Using modified sorbents for the selective recovery of germanium. Z. I. Matveeva, IU. S. Press. TSvet. met. 36 no. 8:69-71 Ag '63.

HYDROPEROXIDES

Formation of free radicals in the reaction of hydroperoxides with ketones. E. T. Denisov. Zhur. fiz. khim. 37 no. 8:1896-1899 Ag '63.

HYDROPEROXIDES—THERMAL PROPERTIES

Thermal stability of alkyl hydroperoxides. K. I. Ivanov, V. K. Savinova, V. P. Zhakhovskaia. Neftekhimiia 3 no. 3:352-359 My-Je '63.

HYDROPONICS

Growing vegetables in gravel. E. G. Shcheglova. Zashch. rast. ot vred. i bol. 8 no. 7:8-9 Jl '63.

HYDROQUINONE

Effect of adsorption on the rate of processes taking place on a platinum electrode in the system quinone-hydroquinone. IAo Lu-an' [Yao Lu-an] and others. Dokl. AN SSSR 151 no. 1:151-154 Jl '63.

HYDROTHERAPY

Use of mineral mine waters of the Krivoy Rog Basin for balneological purposes. V. V. Natarov. Vrach. delo no. 6:115-116 Ag '63.

HYDROZOA

Biology of Hydra oligactis (Pall). N. K. Dekabakh, G. A. Sokolova. Nauch. dokl. vys. shkoly; biol. nauki no. 3:11-12 '63.

HYGIENE

"Health and everyday life." Reviewed by I. A. Zinov'ev. Zdorov'e 9 no. 5:29 My '63.

Hints of the "Zdorov'e." Zdorov'e 9 no. 5:30-31 My '63.

Second All-Union Scientific Conference on Hygiene and the Toxicology of Pesticides. S. G. Serebrianaia. Vrach. delo no. 8:151-153 Ag '63.

HYGIENE—PERIODICALS

Eat right. A. A. Pokrovskii. Zdorov'e 9 no. 5:12-14 My '63.

Leafing through old periodicals.... Zdorov'e 9 no. 5:15 My '63.

Meeting our readers. Zdorov'e 9 no. 5:29 My '63.

HYGIENE, RURAL see Public health, Rural

HYMNS, GEORGIAN

Clue to a thousand-year secret. Iraklii Andronikov. Nov. mir 38 no. 9:230-238 S '62.

HYPERONS

Polarization of Λ-hyperons produced in π^-C-interactions at 7 Bev. [with summary in English]. V. A. Bellakov and others. Zhur. eksp. i teor. fiz. 45 no. 2:90-92 Ag '63.

Production of π-hyperons by 7-8 Bev. negative π-mesons on hydrogen [with summary in English]. V. A. Bellakov and others. Zhur. eksp. i teor. fiz. 45 no. 2:86-89 Ag '63.

HYPERSPACE

Spectral function of a self-adjoint operator in a space of indefinite metric. M. G. Krein, G. K. Langer. Dokl. AN SSSR 152 no. 1:39-42 S '63.

HYPERTENSION

(see also subdivision under Sverdlovsk)

Adrenal glands and hypertension. E. N. Gerasimova. Kardiologiia 3 no. 3:3-13 My-Je '63.

Arterial hypertonia as an early symptom of a cerebellar tumor. M. A. Vashchenko, IA. M. Balaban. Vrach. delo no. 8:130-132 Je '63.

Cases of a combination of hypertension and tumor of the brain with mental disorders. I. S. Pomanova, L. G. Ursova, A. A. Korollova. Trudy 1-go MMI 21:273-284 '63.

Changes in the duration of individual phases of mechanical systole of the left ventricle and pulse wave spread rate in arteries of elastic and muscular type in hypertension [with summary in English]. N. N. Kipshidze and others. Kardiologiia 3 no. 3:27-33 My-Je '63.

Changes in the dynamocardiogram in hypertension [with summary in English]. L. A. Ioffe. Kardiologiia 3 no. 3:39-44 My-Je '63.

Characteristics and dynamics of sleep in hypertension patients treated in the biotron [with summary in English]. IU. K. Lushchin. Vrach. delo no. 6:36-40 Je '63.

Compensation of heart activity in hypertension. L. N. Branavets. Vestsi AN BSSR. Ser. biial. nav. no. 1:73-77 '63.

Correlation between protein and lipoprotein fraction changes in hypertension and atherosclerosis and factors of hypertension and hypercholesteremia, problem of the unity of pathogenesis of hypertension and atherosclerosis [with summary in English]. G. V. Melik-Babakhanov. Kardiologiia 3 no. 3:58-62 My-Je '63.

Course of hypertonic psychoses in the light of a late catamnesis. A. A. Kornilov. Trudy 1-go MMI 21:184-191 '63.

Effect of meteorological factors on the course of hypertension [with summary in English]. P. G. Skorchii. Vrach. delo no. 6:10-12 Je '63.

Hypertrophy of the left ventricle in hypertension; its diagnosis and significance in determining the stage of the disease [with summary in English]. L. I. Bogolepova. Kardiologiia 3 no. 3:22-27 My-Je '63.

Induction of experimental hypertension by restriction of the cerebral blood supply in rabbits, preliminary report [with summary in English]. I. M. Tupikova. Kardiologiia 3 no. 3:14-21 My-Je '63.

Interrelations of schizophrenia and hypertension, variants in their clinical course and therapy. T. A. Nazarova, IU. S. Himusheva. Trudy 1-go MMI 21:108-114 '63.

Mental disorders in hypertension of an early age. IU. S. Himusheva. Trudy 1-go MMI 21:210-218 '63.

Morphological changes in the nervous apparatus of the major arterial vessels in hypertension [with summary in English]. G. L. Derman, L. S. Gronchikova. Vrach. delo no. 8:26-29 Ag '63.

Origin of hypertension. M. S. Shindler. Vrach. delo no. 8:106-108 Ag '63.

Process of myocardial repolarization in hypertension [with summary in English]. V. P. Nikitin. Kardiologiia 3 no. 3:33-39 My-Je '63.

Rehexon treatment of hypertension [with summary in English]. T. IU. Fiflimova. Vrach. delo no. 8:20-24 Ag '63.

Result of using nerolon therapy in hypertension and stenocardia. N. I. Speranskii and others. Vop. kurs., fizioter., lech. fiz. kul't. 28 no. 2:130-136 Mr-Ap '63.

Some data concerning the working ability of persons with hypertension performing mental work. E. A. Gritsmov, T. Z. Gurevich, I. IA. Kurmuzin. Sov. zdrav. 22 no. 6:28-31 '63.

Tissual catechol amines in chronic renal hypertension [with summary in English]. C. Heymans, A. I. De Schaepdryver, A. C. Taquini. Uch. zap. Inst. farm. i khimioter. AMN SSSR 1:200-205 '63.

Vascular hyperreactivity in hypertension [with summary in English]. K. N. Zamyslova, K. K. Maslova. Vrach. delo no. 6:29-32 Je '63.

HYPERTHYROIDISM

Clinical aspects of thyrotoxicosis in elderly and senile patients [with summary in English]. T. K. Mirzoev. Vrach. delo no. 8:75-78 Ag '63.

I^{131} treatment of postoperative recurrences of thyrotoxicosis [with summary in English]. L. I. Tolstenkova, A. M. Rykhovskaia. Med. rad. 7 no. 11:5-9 N '62.

I^{131} treatment of thyrotoxicosis [with summary in English]. R. U. Ishmukhamedov. Med. rad. 7 no. 11:4-5 N '62.

Motor function of the gastrointestinal tract in patients with thyrotoxicosis before and following I^{131} therapy [with summary in English]. M. I. Neporent, V. G. Ignatovskaia. Med. rad. 7 no. 11:9-16 N '62.

HYPHOMYCETES see subdivision under Ukraine

HYPNOTICS

Study of the effect of pharmacological substances on the transmission of stimulation in the spinal cord using intracellular microelectrodes [with summary in English]. A. I. Shapovalov. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:76-81 '63.

HYPNOTISM—THERAPEUTIC USE

Zheltakov, M. M., IU. K. Skripkin, and B. A. Somov. [Electronarcosis and hypnosis in dermatology] Elektroson i gipnoz v dermatologii. Moskva, Medgiz, 1963. 307 p.

(DNLM)

HYPOCHLORITES

Kinetic studies of processes taking place on the platinum electrode in hypochlorite solutions [with summary in English]. I. P. Flis, I. M. Vorob'ev. Zhur. fiz. khim. 37 no. 8:1805-1812 Ag '63.

HYPOTENSION

Clinical electroencephalographic study of hypotension with neuropsychic disorders. G. V. Ryzhikov, N. N. Fedorovskii. Trudy 1-go MMI 21:201-217 '63.

Data on combined sphygmomanometry in hypotension with neuropsychic disorders. G. V. Ryzhikov. Trudy 1-go MMI 21:335-341 '63.

Effect of arterial hypotension on the clinical picture of cerebral atherosclerosis, a clinical observation. V. M. Bushchikov, A. P. Aleksandrova, G. V. Ryzhikov. Trudy 1-go MMI 21:76-84 '63.

HYPOTHALAMUS

Nature of the influence of noradrenaline on conditioned reflex activity during direct introduction into the brain [with summary in English]. L. V. Kaltuzhnyi. Zhur. vys. nerv. deiat. 13 no. 2:309-315 Mr-Ap '63.

Neurosecretion of the hypothalamicohypophyseal system in bilateral adrenalectomy. V. F. Malorova. Dokl. AN SSSR 152 no. 1:244-245 S '63.

HYPOTHERMIA

Cybernetic control of the process of reversible hypothermia. E. V. Malafrakh and others. Dokl. AN SSSR 151 no. 3:714-717 Jl '63.

HYSTERECTOMY
Transverse incision of the anterior abdominal wall and section of the striated muscles of the abdomen in Wertheim's operation and other gynecological surgery IE. P. Triodin. Ped., akush. i gin. 25 no. 2:52-54 '63

HYSTERESIS
Capillary hysteresis in fabrics A. N. Braslavskii, A. M. Motorin. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2 14-18 '63.

IAKHNICH, ISAAK MOISEEVICH, 1903-
The 60th birthday of Professor I. M. IAkhnich. Vest. rent. i rad. 38 no. 2:69-70 Mr-Ap '63.

IANOVS'KYI, IURII, 1902-1954
Music of the revolution. K. Khrypko. Ukraina no. 15:6-7 Jl '63.

ICE
(see also subdivision under Mirnyy region, Antarctica; Oktyabr'skaya Revolyutsiya Island; Yenisey Bay)
Connection between the degree of breaking-up of ice and its resistance to bending ⁶bend. A. IA. Buzuev. Probl. Arkt. i Antarkt. no. 13:109-112 '63.

ICE CORING RIGS
Drilling ice from the lower surface of the ice cover to the upper. Z. I. Shvaishtein. Probl. Arkt. i Antarkt. no. 13:123-125 '63.

ICE CREAM INDUSTRY—EQUIPMENT AND SUPPLIES
Semiautomatic machine for packaging ice cream into wafer cups. D. G. Smirnov. Khol. tekh. 40 no. 3:48-50 My-Je '63.

ICE CRYSTALS
Causes of ice formation in ice boxes. V. Lavrov, I. Pozdnik. Mor. flot 23 no. 6:21-22 Je '63

ICE FISHING see subdivision under Kazakhstan

ICE INDUSTRY
Automatic control of the operation of intermediate vessels in a dry ice plant. V. P. Irzhevskii and others. Khol. tekh. 40 no. 3:47-48 My-Je '63.

ICE INDUSTRY—EQUIPMENT AND SUPPLIES see subdivision under United States

ICE ON RIVERS, LAKES, ETC.
(see also subdivision under Baksham'yar, Lake, Luzh'yar, Lake)
Analytical determination of the rotational moment of resistance of a screw propeller during its interaction with ice. V. IA. IAgodkin. Probl. Arkt. i Antarkt. no. 13:79-88 '63.
Observation of echo signals from ice with the help of radar. A. Kotiukh. Mor. flot 23 no. 5:17-19 My '63.

IDEALS (ALGEBRA)
Möbius' function for one-sided ideals of certain matrix rings. L. A. Gutnik. Uch. zap. MGPI no. 180:83-87 '62.
Semiprime with minimal left ideals. L. M. Gluskin. Dokl. AN SSSR 151 no. 3:485-488 Jl '63.

IDENTIFICATION
Forensic identification as the establishment of identity. V. IA. Koldin. Vop. krim. no. 6/7:25-32 '62.

IGNEOUS ROCKS see Rocks, Igneous

ILI DEPRESSION—FORAMINIFERA, FOSSIL
Marine Paleogene of the Ili Depression. N. N Kostenko. Izv. AN Kazakh. SSR, Ser. geol. nauk no. 4:108-110 '63.

ILI DEPRESSION—GEOLOGY, STRATIGRAPHIC
Marine Paleogene of the Ili Depression. N. N. Kostenko. Izv. AN Kazakh SSR, Ser. geol. nauk no. 4:108-110 '63.

IL'INSKII, GRIGORII ANDREEVICH, 1876-1937
Zhuravlev, V. K. Grigorii Andreevich Il'inskii, 1876-1937. [Moskva] Izd-vo Mosk. univ., 1962. 76 p. (Zamechatel'nye uchenye Moskovskogo universitota, no. 30)
(MH) (NjP)

ILLIA, ARTURO HUMBERTO, 1900-
Arturo Humberto Illia, John Lyng. Nov. vrem. 21 no. 36:31 S '63.

ILLUSTRATED BOOKS, CHILDREN'S
Fairy tales and pictures. I. Skorokhodova. Doshk. vosp. 36 no. 6:111-115 Je '63.

IL'MEN MOUNTAINS—ZIRCON
ZrO_2/HfO_2 ratio in zircons from the alkali complex in the Vishnevyye and Il'men Mountains [with summary in English]. E. B. Khalezova, L. I. Sosnovskaia. Geokhimiia no. 3:68-78 Ja '63.

ILMENITE
Decomposition of ilmenite concentrate by hydrochloric acid. Report No. 2. E. P. Belinkova, A. A. Dverniakova. Ukr. khim. zhur. 29 no. 6:633-636 '63.
Studying the chlorination process of magnesium metatitanate (geikielite). V. A. Reznichenko, V. P. Solomakha. Titan i ego splavy no. 9:136-139 '63.

IMAGE INTENSIFIERS
Electron-optical intensifiers of the brightness of the image. E. P. Semenov. Zhur. nauch. i prikl. fot. i kin. 8 no. 5, 365-369 S-O '63.

IMAGINATION
V. I. Lenin on the role of creative imagination. IU. Stoliarova. Nauch. trab. i soob. Otd. obshchestv. nauk AN Uz SSR 5 15-24 '62.

IMIDAZOLECARBOXYLIC ACID—ABSORPTION SPECTRA
Ultraviolet absorption spectra of esters of 4(5)-aminoamidazole-5(4)-carboxylic acid V. R. Koroleva. Izv. TPI 111 23-25 '61

IMIPRAMIN
Imizin. Nov. lek. sred. no. 2:99-125 '62.

IMMUNITIES OF FOREIGN STATES
"State immunity" by M. M. Boguslavskii. A. L. Kolodkin. Izv. vys. ucheb. zav., prav. 7 no. 2:184-185 '63.

IMMUNITY
Effect of adrenocorticotrophic hormone on the development of postvaccinal immunity to tuberculosis [with summary in French]. A. K Dushkevich. Probl. tub. 41 no. 3:53-58 '63.
Effect of tissue preparations on the resistance of animals to transplanted tumors [with summary in English] M. E. Timoshechkina. Vop. onk. 9 no. 2:98-100 '63.
Immunological characteristics of serum proteins in acute and chronic cholecystitis [with summary in English]. IU. S. Tatarinov, A. M. Nogailer. Terap. arkh. 35 no. 1:37-43 Ja '63
Inducing the phenomenon of immunological tolerance in adult rats [with summary in English]. V. L. Kuzmenko. Vrach. delo no. 6:81-84 Je '63
Review of K. V. Bunin's book "Immunity and rational antibiotic immunotherapy in typhoid fever and dysentery" A. D Ado, A. E Reznik. Kaz. med. zhur. no. 3 111-112 My-Je '63.

IMMUNOPATHOLOGY
Clinical aspects of measles in infants with special reference to maternal immunity. N. D. Revenok. Ped., akush. i gin. 25 no. 2:16-18 '63.

IMPEDANCE (ELECTRICITY)
Circuit for measuring the impedance of an electrochemical cell. L. A. Kriuchkov, M. R. Burakov Zav. lab. 29 no. 8:1014 '63.
Excitation of an impedance strip on an infinite screen [with summary in English]. A. F. Chaplin. Izv. vys. ucheb. zav., radiofiz. 6 no. 3:585-590 '63.

IMPLEMENTS, UTENSILS, ETC.
Hand vacuum suction devices. M. A. Rokhlenko, B. L. Smolenskii. Stan. i instr. 34 no. 7:37 Jl '63.

INCENTIVES IN INDUSTRY
Potentialities of metal economy in rolling mill practice and a material interest in its achievement. L. IA. Kats. Stal' 23 no. 7:653-655 Jl '63.

INCOME
(see also subdivision under Uzbekistan)
National income and its distribution. K. Popadiuk. Komm. Uz. 35 no. 6:76-85 Je '63.

INCOMPATIBLES (PHARMACY)
Compatibility of medicinal substances. Z. G. Gurvich. Med. sestra 22 no. 6 35-36 Je '63.

INDAN
Some reactions of β-diketones of the perhydroindan series. L. N. Ivanova and others. Izv. AN SSSR, Ser. khim. no. 8:1436-1445 Ag '63.
Synthesis and the character of enolization of some β-diketones of the perhydroindan series. V. F. Kucherov and others. Izv. AN SSSR, Ser. khim. no. 8:1428-1436 Ag '63.

INDERITE CRYSTALS
Determining the crystalline structure of inderite. I. M. Rumanova, A. Ashirov. Kristallografiia 8 no. 4, 617-632 Jl-Ag '63.

INDEX NUMBERS (ECONOMICS)
Methodological problems in compiling the index of standard manufacturing costs. V. Veselov, IU. Syrnikov, K. Kolesova. Plan. khoz. 40 no. 9:16-23 S '63.

INDIA—CENSUS
Some preliminary results of the 1961 population census in India. L. I. Bonifat'eva, L. A. Kniazhinskaia. Izv. Vses. geog. ob-va 95 no. 4:320-329 Jl-Ag '63.

INDIA—COMMERCE—EUROPEAN ECONOMIC COMMUNITY COUNTRIES
India: Trade conflict with the West [with English summary in insert]. A. Vladin. Az. i Afr. segodnia no. 8:12-14 Ag '63.

INDIA—DESCRIPTION AND TRAVEL
Fairy tale and real.... V. Kassis. Vokrug sveta no. 1 63 Ja '63.

INDIA—DOWRY
The happiness to which they are entitled; for the first time in India the law forbids the giving and receiving of a dowry. Renu Chakravarity Zhen shina no. 5-28-29 '63.

INDIA—FAKIRS
The snake and the fakir. Oles Bentukn. Az. i Afr. segodnia no. 8:57 Ag '63.

INDIA—SOCIALIST PARTIES
Socialist parties of India. P. Kutsobin. Mir. ekon. i mezhdunar. otn. no. 8:131-134 '63.

INDIA—TECHNICAL ASSISTANCE, RUSSIAN
Report from Bhilai (with English translation in insert). I. Kravchenkov. Az. i Afr. segodnia no. 8 9-11 Ag '63.

INDIAN OCEAN—CLAY
Clay and accompanying minerals in bottom sediments of the Indian Ocean [with summary in English] Z. N Gorbunova. Trudy Inst. okean. 61:93-103 '62.

INDIAN OCEAN—DIATOMS
Diatoms in the surface layer of bottom sediments of the Indian Ocean part of the Antarctic [with summary in English]. A. P. Zhuze, G. S. Koroleva, G. A. Nagaeva. Trudy Inst. okean. 61:10-92 '62.
Specific composition of diatoms in waters of the Indian Ocean part of the Antarctic [with summary in English]. O. G. Kozlova. Trudy Inst. okean. 61:3-10 '62

INDIAN OCEAN—FERROMANGANESE
Determination of the age of iron-manganese concretions of the Indian and Pacific Oceans [with summaries in English]. D. S. Nikolaev, E. I. Efimova. Geokhimiia no. 7:670-680 Jl '63.

INDICATORS AND TEST PAPERS
Characteristics of turbidity indicators during physical titration with water. S. I. Spiridonova, E. K. Nikitin. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2:343-344 '63.

INDICTMENTS
Examining the grounds for the indictment for murder during the preferment of charges. S. V. Borodin. Vop. krim. no. 6/7:68-85 '62.

INDIGIRKA VALLEY—PROSPECTING
Communist prospectors. A. Khorkhorin. Part. zhizn' no. 16:61-64 Ag '63.

INDIUM
(see also subdivision under Verkhoyansk Range region)
Cation exchange study of the behavior of indium as dependent on the concentration of oxalate ions and of the pH of solution. E. P. Tsintsevich and others. Vest. Mosk. un. Ser. 2 Khim. 18 no. 4:70-72 Jl-Ag '63
INDIUM—ABSORPTION SPECTRA
Effect of temperature on the fine structure of L_{III} X-ray absorption spectra of indium and cadmium. O. P. Sharkin. Trudy Inst. met. no. 15:133-137 '63.

INDIUM—GALVANOMAGNETIC PROPERTIES
Galvanomagnetic properties of indium in high effective fields [with summary in English]. V. G. Volotskaia Zhur. eksp. i teor. fiz. 45 no. 2:49-51 Ag '63.

INDIUM ANTIMONIDE—ELECTRIC PROPERTIES
Mechanism underlying the effect of microwaves on the electroconductivity of n-InSb at low temperatures. V. A. Danilychev, B. D. Osipov. Fiz. tver. tela 6 no. 8: 2369-2371 Ag '63.

INDIUM ANTIMONIDE—OPTICAL PROPERTIES
Optical constants of indium antimonide in the visible and near ultraviolet regions of the spectrum. N. I. Kurdiani. Fiz. tver. tela 5 no. 7:1797-1799 Jl '63.

INDIUM ANTIMONIDE—PHOTOELECTRIC PROPERTIES
Photoconductivity of thin films of indium antimonide. V. A. Kas'ian. Fiz. tver. tela 5 no. 7:1979-1981 Jl '63.

INDIUM ANTIMONIDE CRYSTALS—SPECTRA
Infrared transmission in neutron-irradiated indium antimonide. N. I. Kurdiani. Fiz. tver. tela 5 no. 7:2022-2023 Jl '63.

INDIUM ANTIMONIDES
Results of studying the microhardness anisotropy of indium antimonide using the scratch method. V. N. Lange, T. I. Lange. Fiz. tver. tela 5 no. 7:2029-2031 Jl '63.

INDIUM ARSENIDE—ELECTRIC PROPERTIES
Temperature dependence of current carriers lifetime in indium arsenide. M. P. Mikhailova, D. N. Nasledov, S. V. Slobodchikov. Fiz. tver. tela 5 no. 8:2317-2323 Ag '63.

INDIUM ARSENIDES
P-n junctions in indium arsenonide. N. P. Esina, N. V. Zotova, D. N. Nasledov. Radiotekh. i elektron. 8 no. 9:1602-1606 S '63.

INDIUM COMPOUNDS

Effect of nonaqueous solvents on the formation of thiocyanate complexes of indium (III). V. M. Golub, V. M. Samoilenko, Ukr. khim. zhur. 29 no. 6 599-600 '63.

Polarographic behavior of indium in citric acid solutions. G. V. Lavrova, V. A. TSimmerman, L. A. Sheka. Ukr. khim. zhur. 29 no. 6 601-609 '63.

Thiocyanate complexes of indium. A. M. Golub, V. M. Samoilenko. Ukr. khim. zhur. 29 no. 5:472-479 '63.

INDIUM-GERMANIUM-ALUMINUM ALLOYS see Germanium-aluminum-indium alloys

INDOLE

Pharmacological research in the series of indole derivatives [with summary in English] M. D. Mashkovskii. Uch. zap. Inst. farm. i khimioterapii AMN SSSR 3:24-37 '63.

INDONESIA—DESCRIPTION AND TRAVEL

Schools of Indonesia. P. Atutov. Nar. obr. no. 6:96-102 Je '63.

INDONESIA—EDUCATION

Schools of Indonesia. P. Atutov. Nar. obr. no. 6:96-102 Je '63.

INDONESIA—INVESTMENTS, AMERICAN

Indonesia's oil should belong to the people. N. Mikhailov. Az. i Afr. seg. no. 8 61 Ag '63.

INDONESIA—MARRIAGE

Happiness to which they are entitled: Seven girls. Sulami. Zhen. mira no. 4:28-30 '63.

INDONESIA—PETROLEUM INDUSTRY

Indonesia's oil should belong to the people. N. Mikhailov. Az. i Afr. seg. no. 8 61 Ag '63.

INDONESIA—POLITICS AND GOVERNMENT

Toward genuine independence. V. Zharov. Az. i Afr. seg. no. 8 7-8 Ag '63.

INDONESIA—SHIPPING

Development of shipping in Indonesia. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 11 67-70 '62.

INDONESIA—WOMEN—RIGHTS OF WOMEN

Happiness to which they are entitled: Seven girls. Sulami. Zhen. mira no. 4:28-30 '63.

INDUSTRIAL ACCIDENTS

Problem of paramount importance. D. N. Pal'mov. Transp. stroi. 13 no. 7 40-41 Jl '63.

INDUSTRIAL BUILDINGS

Adoption of a system of preferable figures for the unification of industrially produced buildings in lumbering industry enterprises. G. N. Zotov. Sbor. trud. LIIZhF no. 181:78-106 '62.

INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION

Effect of assembly methods on the duration and cost of the erection of one-story industrial buildings. I. F. Gavrilov. Izv. vys. ucheb. zav., stroi. i arkhit. 6 no. 2:73-83 '63.

INDUSTRIAL CAPACITY see subdivision under Lvov Province

INDUSTRIAL COSTS see Costs, Industrial

INDUSTRIAL EFFICIENCY see Efficiency, Industrial

INDUSTRIAL ELECTRIC TRUCKS

Monorail truck. IU. N. Bondarenko. Mashinostroitel' no. 7 8 Jl '63.

INDUSTRIAL EQUIPMENT
(see also subdivision under Armenia)

Accounting for capital assets, articles of little value and those which depreciate rapidly in use. I. Zharkov. Bukhg. uchet 20 no. 8:65-67 Ag '63.

New approach to old technology. A. Shatilov. Tekh. mol. 31 no. 9:7 '63.

INDUSTRIAL EQUIPMENT—MAINTENANCE AND REPAIR

Specialization of repair work. IU. Borisov. Plan. khoz. 40 no. 8:34-38 Ag '63.

INDUSTRIAL EQUIPMENT—TECHNOLOGICAL INNOVATIONS

Introduction of new equipment should be under public control. N. Gritsenko. NTO 5 no. 6:11-13 Je '63.

INDUSTRIAL HYGIENE

Improved unit for the protection of the respiration area when working in closed spaces. A. A. Kurnikov, I. S. Shashunov. Mashinostroitel' no. 7:36-37 Jl '63.

Physical education period for assembly-line workers. E. Babaeva and others. Sots. trud 8 no. 6:132-133 Je '63.

INDUSTRIAL HYGIENE—CONGRESSES

Problems of work hygiene and prevention of occupational diseases at the All-Union Conference of Industrial Hygiene and Sanitary Control Physicians. M. Kuznetsova, N. Gorkhov. Kaz. med. zhur. no. 3 115-116 My-Je '63.

INDUSTRIAL LAWS AND LEGISLATION

Legal regulation of industrial management as a part of Soviet civil law. D. Genkin. Sov. iust. no. 8 3-5 My '63.

INDUSTRIAL MANAGEMENT
(see also subdivision under Andizhan Province, Armenia; Kazakhistan; Kiev Province; Kzyl-Orda Province, Moldavia; Moscow, Novosibirsk; Soviet Central Asia, Tashkent; Vyatskiye Polyany)

Account more fully for potentials in the draft budget for 1964-1965. V. Sitnin. Fin. SSSR 37 no. 8-8-11 Ag '63.

Business accounting and material stimulation of socialist production. N. Spiridonova. Vop. ekon. no. 9:40-53 S '63.

Economics build plants. O. Nekrasov, G. Doldobanov. Tekh. mol. 30 no. 11 1-2, 29 '62.

Experimental method for improving and strengthening business accounting in an enterprise. V. Novikov, V. Timofeev. Vop. ekon. no. 8:142-144 Ag '63.

Improve the creative activity of the people. Nar. khoz. Ukr. 3 no. 8:3-9 Ag '63.

Increased role of trade unions in the administration of government-owned enterprises. M. A. Soboleva. Uch. zap. kaf. obshchestv. nauk vuz g. Len., ist KPSS no. 1: 90-107 '63.

Mechanization of caramel production and division of labor of the workers in various confectionery enterprises. V. V. Rozhkova. Khleb. i kond. prom. 7 no. 8: 20-25 Ag '63.

Method for calculating the economic efficiency of Soviet industrial firms. M. Radomyslenskii. Plan. khoz. 40 no. 9 82-85 S '63.

New form of economic analysis organization in an enterprise. P. Zhukov. Plan. khoz. 40 no. 9:41-41 S '63.

Omarov, A. M. [Technical, industrial, and financial plan for enterprises of local industry] Tekhpromfinplan predpriiatiia mestnoi promyshlennosti. Moskva, Gos. izd-vo mestnoi promyshl. i khudozh. promyslov RSFSR, 1962. 142 p. (NIC)

Planning of material reserves should be based on science. S. Zamalin. NTO 5 no. 6 43-46 Je '63.

Replies to the editor. Fin. SSSR 37 no. 6:85 Je '63.

Shister, E. L. [Intrafactory business accounting and the economy of communal labor] Vnutrizavodskoi khozraschet i ekonomiia obshchestvennogo truda. Moskva, Izd-vo ekon. lit-ry, 1962. 129 p. (NIC)

Thriftiness is the unshakable principle of communist society. Kommunist 40 no. 14 83-89 O '63.

Types of industrial production processes. A. I. Slokhin. Standartizatsiia 27 no. 7:8-10 Jl '63.

Using mathematical statistics methods in controlling production expenses. A. P. Borodina, V. I. Prochko. Avt. prom. 29 no. 9:42-44 S '63.

A way to reduce. T. Rogov. Fin. SSSR 37 no. 8 41-43 Ag '63.

Ways to increase the self interest of enterprises in establishing high indices of a plan. M. B. Katsman. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 3 3-6 '63.

INDUSTRIAL MANAGEMENT—STUDY AND TEACHING

Production needs an engineer-administrator. I. Razumov. Sots. trud 8 no. 6:51-58 Je '63.

INDUSTRIAL MEDICINE see Medicine, Industrial

INDUSTRIAL ORGANIZATION
(see also subdivision under Hungary; Lvov Province)

Akademiia nauk SSSR. Institut gosudarstva i prava. [The imperialist state and capitalist economy] Imperialisticheskoe gosudarstvo i kapitalisticheskoe khoziaistvo. [By] I. D. Levin i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 350 p.

Firms and specialization. N. Baikov. Plan. khoz. 40 no. 9 58-62 S '63.

First Soviet firms. V. Strelkov. Tekh. mol. 31 no. 9: 26-27 '63.

Fruitful initiative. P. Chernov. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 5:105-107 '63.

Liubashchenko, I. G. [Solid, safe, lasting] Prochno, nadezhno, dolgovechno. Moskva, Izd-vo "Znanie," 1963. 31 p. (Narodnyi universitet kul'tury. Tekhniko-ekonomicheskii fakul'tet, no. 7)

The most important condition for economic development. M. Gazaliev. Agitator no. 12, 7-10 Je '63.

New books published abroad. Mir. ekon. i mezhdunar. otn. no. 6:155-157 '63.

Planning of the national economy and orienting it toward the most promising branches of industry. IA. Chadaev. Kommunist 40 no. 14:70-78 O '63.

INDUSTRIAL PAINTING see Painting, Industrial

INDUSTRIAL PROCUREMENT

Improving the legal regulation of industrial procurement. Z. G. Krylova. Sov. gos. i pravo 33 no. 9:72-78 S '63.

Omissions and deficiencies of a practical aid. K. Gloeva, Z. Stepanova. Fin. SSSR 37 no. 8:91-93 Ag '63.

INDUSTRIAL RAILROADS see Railroads, Industrial

INDUSTRIAL SAFETY

Consultations. Bezop. truda v prom. 7 no. 7:15 Jl '63.

In the State Mine Inspection of the R. S. F. S. R. Bezop. truda v prom. 7 no. 7:38-39 Jl '63.

Russia (1917- R. S. F. S. R.) Ministerstvo montazhnykh i spetsial'nykh stroitel'nykh rabot. Tekhnicheskoe upravlenie. [Safety instructions for insulation work in the manufacture of materials at production bases] Instruktivnye ukazaniia po tekhnike bezopasnosti pri proizvodstve teploizoliatsionnykh rabot i izgotovlenii materialov na proizvodstvennykh bazakh. Moskva, Gosstroizdat, 1963. 102 p.

INDUSTRIAL SAFETY—BIBLIOGRAPHY see Bibliography—Industrial safety

INDUSTRIAL STATISTICS

Rabinovich, P. M. [Statistical methods for studying the production potentials of an industrial enterprise, elements of technological statistics] Statisticheskie metody issledovaniia proizvodstvennykh rezervov promyshlennogo predpriiatiia, elementy tekhnologicheskoi statistiki. Moskva, Gosstatizdat, 1963. 224 p.

INDUSTRIAL TELEVISION

Dispatcher television systems. Tekh. kino i telev. 6 no. 4:70-73 Ap '62.

Experience in the application of television in metallurgical plants. M. I. Laukin. Tekh. kino i telev. 7 no. 8:50-51 Ag '63.

Industrial television systems. Prom. energ. 18 no. 7 17-18 Jl '63.

Some problems in the development of television equipment. I. P. Zakharov. Tekh. kino i telev. 7 no. 8 66-67 Je '63.

INDUSTRIAL TELEVISION—EQUIPMENT AND SUPPLIES

MPTU-2 industrial television system. G. A. Kozin and others. Tekh. kino i telev. 5 no. 7 51-54 Jl '61.

INDUSTRIAL TRUSTS see Trusts, Industrial

INDUSTRIAL WASTES

Studying industrial wastes containing trace elements. A. P. Kevorkov. Trudy VIUA no. 38 286-305 '61.

INDUSTRIAL WASTES—PURIFICATION
(see also subdivision under Czechoslovakia)

Abramovich, I. A. [Purification of sewage waters of leather factories] Ochistka stochnykh vod kozhevennykh zavodov. Moskva, Gizlegprom, 1963. 236 p.

Decontamination by evaporation of the tar water from coke and coal chemical plants. V. V. Ievlev. Koks i khim. no. 8:42-46 '63.

Decontamination of waste waters from arsenic-soda desulfuration with the recovery of salts. E. D. Grudskii. Koks i khim. no. 6:47-50 '63.

Dephenolization of industrial phenol-containing waste waters with benzol extraction. L. I. Zlatin and others. Koks i khim. no. 8:42-44 '63.

Moscow. TSentral'nyi institut informatsii tsvetnoi metallurgii. [Waste waters from enterprises of nonferrous metallurgy and methods of their purification] Stochnye vody predpriiatii tsvetnoi metallurgii i metody ikh ochistki. Moskva, 1963. 15 p. (Obogashchenie) [MICROFILM]

INDUSTRIES, LOCATION OF
(see also subdivision under Tajikistan)

Andreev, B. I., and others. [Distribution of light industry branches of the U. S. S. R.] Razmeshchenie otraslei legkoi promyshlennosti SSSR. Moskva, In-t narodnogo khoz., 1963. 136 p.

Vilenskii, M. A. [Electrification of the U. S. S. R. and the distribution of productive forces] Elektrifikatsiia SSSR i razmeshchenie proizvoditel'nykh sil. Moskva, Sotsekgiz, 1963. 245 p.

INDUSTRY see subdivision under Kirghizistan

INDUSTRY—ABSTRACTS

[Economics of industry] Ref. sbor.: Ekon. prom. no. 9 S '63.

INDUSTRY—BIBLIOGRAPHY see Bibliography—Industry

INDUSTRY AND STATE

Akademiia nauk SSSR. Institut gosudarstva i prava. [The imperialist state and capitalist economy] Imperialisticheskoe gosudarstvo i kapitalisticheskoe khoziaistvo. [By] I. D. Levin i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 350 p.

INEQUALITIES (MATHEMATICS)

Second derivative determined through the second finite difference. F. A. Kabakov. Uch. zap. MGPI no. 188 105-114 '62.

Shur-Arzhanykh polynomials and new stability inequalities for n = 3, 4, 5, 6, 7. A. Alimov. Sbor. nauch.-issl. rab. TTI no. 15:137-162 '62.

INFANTS (NEWBORN)—SURGERY

Problem of the choice of a method for replacing defective skin in newborn infants. F. I. Kaipov, A. IA. Shamis. Zdravookhranenie 6 no. 1:41-44 Ja-F '63.

INFECTION, FOCAL see Focal infection

INFINITE SERIES see Series, Infinite

INFLORESENCE
Development of branched ears in corn. A. G. IUsufov. Nauch. dokl. vys shkoly, biol nauki no 3:175-177 '63

INFLUENZA see subdivision under Chelyabinsk

INFORMATION SERVICES see subdivision under Moscow

INFORMATION STORAGE AND RETRIEVAL SYSTEMS
Belov, A. F., and others. [Digital system (AI-2048) for storing and processing information] TSifrovaia sistema nakopleniia i obrabotki informatsii (AI-2048). Moskva, Gosatomizdat, 1963 145 p.
Structural reliability of sequential information collecting systems (with summary in English). A. L. Raikin. Avtom. i telem. 24 no. 8 1260-1266 S '63.
Supply regional economic councils with automized information systems. IU. Chernlak. Plan. khoz. 40 no. 8 52-56 Ag '63

INFORMATION THEORY
Evaluation of the constant constituent of a detected harmonic signal mixed with additive gaussian noise using a segment of realization with finite duration A. B. Tatarinov. Radiotekhnika 18 no. 6:7-14 Je '63
Evaluation of the reliability of information transmitting systems with random structure taking into account the value of transmitted communications [with summary in English]. A. K. Kol'manq. Avtom. i telem. 24 no. 9 1250-1259 S '63.
Informational criteria of optimal receivers of discrete information. N. P. Khvorostenko Elektrosviaz' 17 no. 7:2-6 Jl '63.
Methods for composing code combinations for multielement codes with multiple-letter alphabet [with summary in English]. Avtom. i telem. 24 no. 9:1279-1283 S '63.
Some generalizations in the theory of random pulse processes. B. R. Levin. Elektrosviaz' 17 no. 7:21-32 Jl '63.
Statistical properties of interference at the output of a communication system with phase pre-emphasis of the signal. IU. N. Babanov. Trudy GPI 16 no. 2 5-11 '60.
Using the information theory in calculating the value of the criteria for the operating reliability of automatic control systems of mining equipment. N. G. Pliushchev. Izv. vys. uchob. zav., gor. zhur. 6 no. 7:161-170 '63.

INFRARED PHOTOGRAPHY see Photography, Infrared

INFRARED RAYS
Infrared transmission in neutron-irradiated indium antimonide. N. I. Kurdiani. Fiz. tver. tela 5 no. 7:2022-2023 Jl '63.
Study of the crystalline lens in infrared light [with summary in English]. R. A. Gundorova. Uch. zap. GNII glaz. bol. no. 8:40-43 '63.
Theory of infrared light absorption in crystals. Four-phonon interaction. V. N. Kashcheev. Fiz. tver. tela 5 no. 8:2339-2344 Ag '63.

INFRARED RAYS—INDUSTRIAL APPLICATIONS
Portable infrared heaters. IA. E. Vol'fkovich. Prom. energ. 18 no. 8:52-53 Ag '63.

INFRARED RAYS IN NAVIGATION
Use of infrared apparatuses on river ships. K. Oreshkin. Rech. transp. 22 no. 7:43-45 Jl '63.

INFRARED SPECTRUM see Spectrum, Infrared

INGOT MOLDS
Effectiveness in the use of lightweight, solid-bottom ingot molds. L. A. Bol'shakov and others. Stal' 23 no. 8 712-713 Ag '63.
Increasing the stability of ingot molds by an addition of ferrotitanium. V. S. Krasovitskii and others. Stal' 23 no. 8 717-718 Ag '63.
Measures for improving the top pouring of steel. V. A. Efimov and others. Vop. proizv. stali no. 9:79-95 '63.

INGOT MOLDS—DESIGN AND CONSTRUCTION
Improving the design of ingot molds and using converter pig iron for their founding. Stal' 23 no. 7: 618-621 Jl '63.

INGULETS RIVER—OLIVINE DIABASE
Some petrographic features of olivine diabases from the Ingulets River. V. F. Petrun'. Shor. nauch. trud. KGRI no. 7:85-95 '60.

INHERITANCE AND SUCCESSION
From the practice of notarial agencies. Sov. iust. no. 9: 31 My '63.
From the practice of notarial agencies. Sov. iust. no. 12:31-32 Je '63.

INHIBITION
Effect of the morphine group analgesics on central inhibitory processes [with summary in English]. N. A. Kruglov. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:65-75 '63.

INHIBITION (CHEMISTRY)
Interaction of two inhibitors in the reaction of oxidation of hydrocarbons. G. V. Karpukhina, Z. K. Maizus, N. M. Emanuel'. Dokl. AN SSSR 152 no. 1:110-113 S '63.
"Matrix effects" during the activation of compounds having a conjugation system in the reaction inhibiting the oxidation processes. A. A. Berlin, S. I. Bass. Izv. AN SSSR. Ser. khim. no. 9:1652-1654 S '63.
Participation of the inhibitor in the act of degenerated chain branching IU. A. Shliapnikov and others. Dokl. AN SSSR 151 no. 1:146-150 Jl '63.
Role of the inhibition of enzymes by reaction products in an open system. G. D. Dechev, L. N. Moiseeva, A. G. Pasynskii. Dokl. AN SSSR 151 no. 3 725-728 Jl '63.

INLAND NAVIGATION
Use of infrared apparatuses on river ships. K. Oreshkin. Rech. transp. 22 no. 7 43-45 Jl '63.

INLAND NAVIGATION—STUDY AND TEACHING
In favor of the course "Special sailing directions." K. Rusakov. Rech. transp. 22 no. 7 50 Jl '63.

INLAND WATER TRANSPORTATION
(see also subdivision under Germany, West)
Different systems, different ways. A. Muraviev, E. Zin'. Rech. transp. 22 no. 7:18-20 Jl '63.
Expansion of inland water transportation during four years of the seven-year plan. M. Chebotarev. Rech. transp. 22 no. 7:5-9 Jl '63.
In the Collegium of the Ministry of the River Fleet. Rech. transp. 22 no. 6:46 Je '63.
In the Collegium of the Ministry of the River Fleet. Rech. transp. 22 no. 7:18 Jl '63.
Operational conditions of project 732 ships. V. Lesiukov, A. Khoze, G. Egorov. Rech. transp. 22 no. 7:22-25 Jl '63.
Put into operation the resolutions of the June plenum of the Central Committee of the CPSU. Rech. transp. 22 no. 7:1-3 Jl '63.
Ways of expanding the ship repair base of the Ministry of the River Fleet. N. Belov. Rech. transp. 22 no. 7:21-22 Jl '63.
Work on schedule. N. Magdalinskii. Rech. transp. 22 no. 6:46 Je '63
Workers of the State Institute for Research and Planning in River Transportation are striving for technological progress. V. Gurevich. Rech. transp. 22 no. 6:31-34 Je '63.

INLAND WATER TRANSPORTATION—COST OF OPERATION
Economize fuel and use it carefully. M. Davydov. Rech. transp. 22 no. 6:22-24 Je '63
Improve the indices of planning river transportation. A. Denisiev. Rech. transp. 22 no. 7 9-11 Jl '63.

INLAND WATER TRANSPORTATION—EMPLOYEES
From the editor's mail. Sots. trud 8 no. 6:135-137 Je '63.
The group is the educator of the man of the future. V. Kharitonov. Rech. transp. 22 no. 7:4 Jl '63.

INLAND WATER TRANSPORTATION—PERIODICALS
First Soviet journal on water transportation. S. Danilichev. Rech. transp. 22 no. 7 47 Jl '63.

INSCRIPTIONS, ARABIC
The meaning of the word "baraka" often appearing on the medieval glazed pottery I. Akhmarov. Nauch. rab. i soob. Otd. obshchestv. nauk AN Uz. SSR 5:212-216 '62.

INSCRIPTIONS, GREEK see subdivision under Dnieper Valley

INSECTICIDES
Gorlainova, T. S. [Chemical products for domestic use] Tovary bytovoi khimii. Moskva, Gos. izd-vo torgovoi lit-ry, 1963. 79 p (Dlia doma, dlia sem'i)
Hexachlorobutadiene in controlling Phylloxera. IA. I. Prints, V. M. Kozlov, I. F. Slonovskii. Zashch. rast. ot vred. i bol. 8 no. 5:25-27 My '63.
Phosphorus organic acaricides and insecticides. P. V. Popov. Zashch. rast. ot vred. i bol. 8 no. 5:27 My '63.
Results of six years' testing of dichloroethane and its purified still residues in Moldavia. IA. I. Prints, V. M. Kozlov, I. F. Slonovskii. Fiz. i mery bor'by s nei no. 1:8-16 '61.

INSECTICIDES—TESTING
Methods for estimating the effectiveness of insecticides. A. V. Kislyi. Zashch. rast. ot vred. i bol. 8 no. 5:46 My '63.
Photothermal container. A. G. Tremil', A. Z. Zlotin, M. A. Lymareva Zashch. rast. ot vred. i bol. 8 no. 7 43 Jl '63.

INSECTS—ANATOMY
Morphology of the fourth segment of the palpus of Dermacentor marginatus Sulz. E. B. Diusembaev, V. K. IAshkul'. Trudy Inst. zool. AN Kazakh. SSR 19:238-240 '63

INSECTS—DEVELOPMENT
Ecologic regulation of the seasonal cycle in Anopheles bifurcatus L. (Diptera, Culicidae). E. B. Vinogradova. Dokl. AN SSSR 151 no. 5:1204-1206 Ag '63.
Effect of light on the duration of the development of the first nymphal instar of the pine sawfly Neodiprion sertifer Geoffr. T. P. Pankevich. Vestsi AN BSSR Ser. biial. nav. no. 1:110-114 '63.

INSECTS, INJURIOUS AND BENEFICIAL
(see also subdivision under Mongolia)
Entomological evaluation of various systems of soil tillage under conditions prevailing in the central regions of the non-Chernozem belt. M. I. Gretchka. Dokl. TSKHA no. 62 457-469 '61.

INSECTS, INJURIOUS AND BENEFICIAL—BIOLOGICAL CONTROL
In Geneva I. A. Rubtsov Zashch. rast. ot vred. i bol. 8 no. 7 58-59 Jl '63
Predatory flies of the family Chamaemyiidae Zashch. rast. ot vred. i bol. 8 no. 7 10-12 Jl '63

INSECTS, INJURIOUS AND BENEFICIAL—CONTROL
(see also subdivision under Bratsk region; Crimea; Nenets National Area; United States)
Pathogenic effect of small and medium doses of gamma rays on the progeny of irradiated insects. V. IA. Podolian. Trudy Inst. zool. AN Kazakh. SSR 19:220-225 '63.
Some results and future application of the aerosol method for controlling injurious and parasitic insects and ticks. K. P. Andreev. Trudy VNIIVS 14 3-5 '59.

INSECTS, INJURIOUS AND BENEFICIAL—CONTROL—BIBLIOGRAPHY see Bibliography—Insects, Injurious and beneficial—Control

INSECTS AS CARRIERS OF DISEASE
Experimental infection of gamasid mites, lice and fleas with Brucella M. M. Rementsova and others. Trudy Inst. zool. AN Kazakh. SSR 19:226-233 '63

INSTRUMENT INDUSTRY—MANAGEMENT see subdivision under Leningrad

INSTRUMENT MANUFACTURE
Ipatov, S. S. [Jig-boring machines used in the precision manufacture of instruments] Koordinatno-rastochnye stanki v tochnom priborostroenii. Pod red. E. F. Ermilova. Moskva, Oborongiz, 1954. 195 p
Rabinovich, A. N., and others. [Automatic checking in the manufacture of machines and instruments] Avtomatizatsiia kontrolia v mashinostroenii i priborostroenii. Moskva, Mashgiz, 1963 122 p (Nauchno-popularnaia biblioteka molodogo rabochego)

INSTRUMENTS
New instruments. IU. V. Karbe. Priborostroenie no. 9: 29-30 S '63.

INSTRUMENTS—BIBLIOGRAPHY see Bibliography—Instruments

INSTRUMENTS—TESTING
Practical methods for the determination of optimum reliability. S. S. Brudnik, V. A. Taran. Priborostroenie no. 7:23-25 Jl '63.

INSTRUMENTS, ELECTRIC see Electric instruments

INSTRUMENTS, ELECTRONIC see Electronic instruments

INSULATING MATERIALS
Experimental determination of the heat conductivity coefficient of thermal insulation materials using the self-modeling method. G. I. Vasil'ev and others. PMTF no. 3:67-70 My-Je '63.
Russia (1917- R.S.F.S.R.) Ministerstvo montazhnykh i spetsial'nykh stroitel'nykh rabot. Tekhnicheskoe upravlenie. [Safety instructions for insulation work and the manufacture of materials at production bases] Instruktivnye ukazaniia po tekhnike bezopasnosti pri proizvodstve teploizoliatsionnykh rabot i izgotovlenii materialov na proizvodstvennykh bazakh. Moskva, Gosstroiizdat, 1963. 102 p.

INSULATING OILS
System for cleaning and drying transformer insulating oil. P. E. Vdovin, L. V. Okhtomenko. Prom. energ. 18 no. 8:22-26 Ag '63.

INSULATION (HEAT)
New heat insulating material "Asboteploizol" for the shipbuilding industry. N. T. Dodonov. Sudostroenie 29 no. 5:37-38 My '63.
Pay more attention to the heat insulation of equipment. G. N. Smirnov. Tekst. prom. 23 no. 8:82-83 Ag '63.

INSURANCE see subdivision under Karelia

INSURANCE, SOCIAL
Survey of labor legislation. Sots. trud 8 no. 6:154-155 Je '63.

INTA REGION—COAL MINES AND MINING—LABOR PRODUCTIVITY
Performers of glorious feats. I. Morozov. Sov. shakht. 12 no. 6:15-16 Je '63.

INDIUM COMPOUNDS
Effect of nonaqueous solvents on the formation of thiocyanate complexes of indium (III). Y. M. Golub, V. M. Samoilenko. Ukr. khim. zhur. 29 no. 6 590-600 '63.
Polarographic behavior of indium in citric acid solutions. G. V. Lavrova, V. I. Tsimmergakl, L. A. Shcka. Ukr. khim. zhur. 29 no. 6 601-609 '63.
Thiocyanate complexes of indium. A. M. Golub, V. M. Samoilenko. Ukr. khim. zhur. 29 no. 5 472-479 '63.

INDIUM-GERMANIUM-ALUMINUM ALLOYS see Germanium-aluminum-indium alloys

INDOLE
Pharmacological research in the series of indole derivatives [with summary in English] M. D. Mashkovskii. Uch. zap. inst. farm. i khimioter. AMN SSSR. 3 24-37 '63.

INDONESIA—DESCRIPTION AND TRAVEL
Schools of Indonesia. P. Atutov. Nar. obr. no. 6:96-102 Je '63.

INDONESIA—EDUCATION
Schools of Indonesia. P. Atutov. Nar. obr. no. 6:96-102 Je '63.

INDONESIA—INVESTMENTS, AMERICAN
Indonesia's oil should belong to the people. N. Miknailov. Az. i Afr. seg. no. 8 61 Ag '63.

INDONESIA—MARRIAGE
Happiness to which they are entitled: Seven girls. Sulami Zhen. mira no. 4:28-30 '63.

INDONESIA—PETROLEUM INDUSTRY
Indonesia's oil should belong to the people. N. Mikhailov. Az. i Afr. seg. no. 8,61 Ag '63.

INDONESIA—POLITICS AND GOVERNMENT
Toward genuine independence. V. Zharov. Az. i Afr. seg. no. 8,7-8 Ag '63.

INDONESIA—SHIPPING
Development of shipping in Indonesia. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 11 67-70 '62.

INDONESIA—WOMEN—RIGHTS OF WOMEN
Happiness to which they are entitled: Seven girls. Sulami Zhen. mira no. 4:28-30 '63.

INDUSTRIAL ACCIDENTS
Problem of paramount importance. D. N. Parimov. Transp. stroi. 13 no. 7 40-41 Jl '63.

INDUSTRIAL BUILDINGS
Adoption of a system of preferable figures for the unification of industrially produced buildings in lumbering industry enterprises. G. N. Zotov. Sbor. trud. LIZHT no. 181 76-100 '62.

INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION
Effect of assembly methods on the duration and cost of the erection of one-story industrial buildings. I. F. Gavrilov. Izv. vys. ucheb. zav., stroi. i arkhit. 6 no. 2:73-83 '63.

INDUSTRIAL CAPACITY see subdivision under Lvov Province

INDUSTRIAL COSTS see Costs, Industrial

INDUSTRIAL EFFICIENCY see Efficiency, Industrial

INDUSTRIAL ELECTRIC TRUCKS
Monorail truck. IU. N. Bondarenko. Mashinostroitel' no. 7:8 Jl '63.

INDUSTRIAL EQUIPMENT
(see also subdivision under Armenia)
Accounting for capital assets, articles of little value and those which depreciate rapidly in use. I. Zharkov. Bukhg. uchet 29 no. 8:65-67 Ag '63.
New approach to old technology. A. Shatilov. Tekh. mol. 31 no. 9:7 '63.

INDUSTRIAL EQUIPMENT—MAINTENANCE AND REPAIR
Specialization of repair work. IU. Borisov. Plan. khoz. 40 no. 8:34-38 Ag '63.

INDUSTRIAL EQUIPMENT—TECHNOLOGICAL INNOVATIONS
Introduction of new equipment should be under public control. N. Gritsenko. NTO 5 no. 6 11-13 Je '63.

INDUSTRIAL HYGIENE
Improved unit for the protection of the respiration area when working in closed spaces. A. A. Kurnikov, I. S. Shashunov. Mashinostroitel' no. 7:36-37 Jl '63.
Physical education period for assembly-line workers. E. Babaeva and others. Sots. trud 8 no. 5:132-133 Je '63.

INDUSTRIAL HYGIENE—CONGRESSES
Problems of work hygiene and prevention of occupational diseases at the All-Union Conference of Industrial Hygiene and Sanitary Control Physicians. M. Kuznetsova, N. Gorkhov. Kaz. med. zhur. no. 3 115-116 My-Je '63.

INDUSTRIAL LAWS AND LEGISLATION
Legal regulation of industrial management as a part of Soviet civil law. D. Gorkin. Sov. iust. no. 9 3-5 My '63.

INDUSTRIAL MANAGEMENT
(see also subdivision under Andizhan Province; Armenia, Kazakhstan; Kiev Province, Kzyl-Orda Province, Moldavia, Moscow, Novosibirsk; Soviet Central Asia, Tashkent, Vyatskiye Polyany)
Account more fully for potentials in the draft budget for 1964-1965. V. Sitnin. Fin. SSSR 37 no. 8 8-11 Ag '63.
Business accounting and material stimulation of socialist production. N. Spiridonova. Vop. ekon. no. 9:40-53 S '63.
Economics build plants. O. Nekrasov, G. Doldobanov. Tekh. mol. 30 no. 11 1-2, 29 '62.
Experimental method for improving and strengthening business accounting in an enterprise. V. Novikov, V. Timofeev. Vop. ekon. no. 8 142-144 Ag '63.
Improve the creative activity of the people. Nar. khoz. Uzb. 5 no. 8 3-9 Ag '63.
Increased role of trade unions in the administration of government-owned enterprises. M. A. Soboleva. Uch. zap. kaf. obshchestv. nauk vuz. g. Len., Ist. KPSS no. 4. 90-107 '63.
Mechanization of caramel production and division of labor of the workers in various confectionery enterprises. V. V. Rozhkova. Khleb. i kond. prom. 7 no. 8 20-25 Ag '63.
Method for calculating the economic efficiency of Soviet industrial firms. M. Radomyselskii. Plan. khoz. 40 no. 9:62-65 S '63.
New form of economic analysis organization in an enterprise. P. Zhukov. Plan. khoz. 40 no. 9:41-44 S '63.
Omarov, A. M. [Technical, industrial, and financial plan for enterprises of local industry] Tekhpromfinplan predpriiatiia mestnoi promyshlennosti. Moskva, Gos. izd-vo mestnoi promyshl. i khudozh. promyslov RSFSR, 1962. 142 p. (NIC)
Planning of material reserves should be based on science. S. Zamalin. NTO 5 no. 6:44-46 Je '63.
Replies to the editor. Fin. SSSR 37 no. 6:85 Je '63.
Shuster, E. L. [Intrafactory business accounting and the economy of communal labor] Vnutrizavodskoi khozraschet i ekonomiia obshchestvennogo truda. Moskva, Izd-vo ekon. lit-ry, 1962. 120 p. (NIC)
Thriftiness is the unshakable principle of communist society. Kommunist 40 no. 14 63-69 O '63.
Types of industrial production processes. A. I. Shtokhin. Standartizatsiia 27 no. 7:8-10 Jl '63.
Using mathematical statistics methods in controlling production expenses. A. P. Borodina, V. I. Prochko. Avt. prom. 29 no. 9:42-44 S '63.
A way to reduce. T. Rogov. Fin. SSSR 37 no. 8,41-43 Ag '63.
Ways to increase the self interest of enterprises in establishing high indices of a plan. M. B. Katsman. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 3 7-6 '63.

INDUSTRIAL MANAGEMENT—STUDY AND TEACHING
Production needs an engineer-administrator. I. Nazumov. Sots. trud 8 no. 6:61-68 Je '63.

INDUSTRIAL MEDICINE see Medicine, Industrial

INDUSTRIAL ORGANIZATION
(see also subdivision under Hungary; Lvov Province)
Akademiia nauk SSSR, Institut gosudarstva i prava. [The imperialist state and capitalist economy] Imperialisticheskoe gosudarstvo i kapitalisticheskoe khoziaistvo. [By] I. D. Levin i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 350 p.
Firms and specialization. N. Baikov. Plan. khoz. 40 no. 9 58-62 S '63.
First Soviet firms. V. Strelkov. Tekh. mol. 31 no. 9: 26-29 '63.
Fruitful initiative. P. Chernov. Nauch. dokl. vys. shkoly: ekon. nauki 6 no. 5:105-107 '63.
Liubashchenko, I. G. [Solid, safe, lasting] Prochno, nadezhno, dolgovechno. Moskva, Izd-vo "Znanie," 1963. 31 p. (Narodnyi universitet kul'tury. Tekhniko-ekonomicheskii fakul'tet, no. 7)
The most important condition for economic development. M. Gazaliev. Agitator no. 12:7-10 Je '63.
New books published abroad. Mir. ekon. i mezhdunar. otn. no. 8:165-167 '63.
Planning of the national economy and orienting it toward the most promising branches of industry. IA. Chadaev. Kommunist 40 no. 14:70-78 O '63.

INDUSTRIAL PAINTING see Painting, Industrial

INDUSTRIAL PROCUREMENT
Improving the legal regulation of industrial procurement. Z. G. Krylova. Sov. gos. i pravo 33 no. 9:72-78 S '63.
Omissions and deficiencies of a practical aid. K. Gloeva, Z. Stepanova. Fin. SSSR 37 no. 8,91-93 Ag '63.

INDUSTRIAL RAILROADS see Railroads, Industrial

INDUSTRIAL SAFETY
Consultations. Bezop. truda v prom. 7 no. 7:35 Jl '63.
In the State Mine Inspection of the R. S. F. S. R. Bezop. truda v prom. 7 no. 7:38-39 Jl '63.
Russia (1917- R.S.F.S.R.) Ministerstvo mokhanizatsii i spetsial'nykh stroitel'nykh rabot. Tekhnicheskoe upravlenie. [Safety instructions for insulation work in the manufacture of materials at production bases] Instruktivnye ukazaniia po tekhnike bezopasnosti pri proizvodstve teploizoliatsionnykh rabot i izgotovlenii materialov na proizvodstvennykh bazakh. Moskva, Gosstroiizdat, 1963. 102 p.

INDUSTRIAL SAFETY—BIBLIOGRAPHY see Bibliography—Industrial safety

INDUSTRIAL STATISTICS
Rabinovich, P. M. [Statistical methods for studying the production potentials of an industrial enterprise, elements of technological statistics] Statisticheskie metody issledovaniia proizvodstvennykh vozmozhnostei promyshlennogo predpriiatiia, elementy tekhnologicheskoi statistiki. Moskva, Gosstatizdat, 1963. 215 p.

INDUSTRIAL TELEVISION
Dispatcher television systems. Tekh. kino i telev. 8 no. 4 70-73 Ap '62.
Experience in the application of television in metallurgical plants. M. I. Lukin. Tekh. kino i telev. 7 no. 8 [illegible] Ag '63.
Industrial television systems. Prom. energ. 18 no. 7 17-18 Jl '63.
Some problems in the development of television equipment. I. P. Zakharov. Tekh. kino i telev. 7 no. 6 66-67 Je '63.

INDUSTRIAL TELEVISION—EQUIPMENT AND SUPPLIES
MPTU-2 industrial television system. G. A. Kozlov and others. Tekh. kino i telev. 5 no. 7 51-54 Jl '61.

INDUSTRIAL TRUSTS see Trusts, Industrial

INDUSTRIAL WASTES
Studying industrial wastes containing trace elements. A. P. Kevorkov. Trudy VIUA no. 38 286-305 '61.

INDUSTRIAL WASTES—PURIFICATION
(see also subdivision under Czechoslovakia)
Abramovich, I. A. [Purification of sewage waters of leather factories] Ochistka stochnykh vod kozhevennykh zavodov. Moskva, Gizlegprom, 1963. 236 p.
Decontamination by evaporation of the tar waters from coke and coal chemical plants. V. V. Kvicev. Koks i khim. no. 8:42-46 '63.
Decontamination of waste waters from arsenic-soda desulfuration with the recovery of salts. E. D. Grudskii. Koks i khim. no. 8:47-50 '63.
Dephenolization of industrial phenol-containing waste waters with benzol extraction. L. I. Zlatin and others. Koks i khim. no. 6 42-44 '63.
Moscow. TSentral'nyi institut informatsii tsvetnoi metallurgii. [Waste waters from enterprises of nonferrous metallurgy and methods of their purification] Stochnye vody predpriiatii tsvetnoi metallurgii i metody ikh ochistki. Moskva, 1963. 15 p. (Obogashchenie) [MICROFILM]

INDUSTRIES, LOCATION OF
(see also subdivision under Tajikistan)
Andreev, B. I., and others. [Distribution of light industry branches of the U.S.S.R.] Razmeshchenie otraslei legkoi promyshlennosti SSSR. Moskva, In-t narodnogo khoz., 1963. 136 p.
Vilenskii, M. A. [Electrification of the U.S.S.R. and the distribution of productive forces] Elektrifikatsiia SSSR i razmeshchenie proizvoditel'nykh sil. Moskva, Sotsekgiz, 1963. 245 p.

INDUSTRY see subdivision under Kirghizistan

INDUSTRY—ABSTRACTS
[Economics of industry] Ref. sbor. : Ekon. prom. no. 8 S '63.

INDUSTRY—BIBLIOGRAPHY see Bibliography—Industry

INDUSTRY AND STATE
Akademiia nauk SSSR, Institut gosudarstva i prava. [The imperialist state and capitalist economy] Imperialisticheskoe gosudarstvo i kapitalisticheskoe khoziaistvo. [By] I. D. Levin i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 350 p.

INEQUALITIES (MATHEMATICS)
Second derivative determined through the second finite difference. F. A. Kabakov. Uch. zap. MGPI no. 188: 105-114 '62.
Shur-Arzhanykh polynomials and new stability inequalities for n=3, 4, 5, 6, 7. A. Alimov. Sbor. nauch.-issl. rab. TTI no. 15:137-162 '62.

INFANTS (NEWBORN)—SURGERY
Problem of the choice of a method for replacing defective skin in newborn infants. F. I. Keipov, A. IA. Shamis. Zdravookhranenie 6 no. 1:41-44 Ja-F '63.

INFECTION, FOCAL see Focal infection

INFINITE SERIES see Series, Infinite

INFLORESCENCE
Development of branched ears in corn. A. G. IUsufov. Nauch. dokl. vys. shkoly; biol. nauki no. 3 175-177 '63.

INFLUENZA see subdivision under Chelyabinsk

INFORMATION SERVICES see subdivision under Moscow

INFORMATION STORAGE AND RETRIEVAL SYSTEMS
Belov, A. F., and others. [Digital system (AI-2048) for storing and processing information] TSifrovaia sistema nakopleniia i obrabotki informatsii (AI-2048). Moskva, Gosatomizdat, 1963. 145 p.
Structural reliability of sequential information collecting systems [with summary in English] A. L. Raikin. Avtom. i telem. 24 no. 9 1260-1266 S '63.
Supply regional economic councils with automized information systems. IU. Cherniak. Plan. khoz. 10 no. 8 52-56 Ag '63.

INFORMATION THEORY
Evaluation of the constant constituent of a detected harmonic signal mixed with additive gaussian noise using a segment of realization with finite duration. A. B. Tatarinov. Radiotekhnika 18 no. 6:7-14 Je '63.
Evaluation of the reliability of information transmitting systems with random structure taking into account the value of transmitted communications [with summary in English]. A. K. Kel'mans. Avtom. i telem. 24 no. 9: 1250-1259 S '63.
Informational criteria of optimal receivers of discrete information. N. P. Khvorostenko. Elektrosviaz' 17 no. 7:2-6 Jl '63.
Methods for composing code combinations for multi-element codes with multiple-letter alphabet [with summary in English]. Avtom. i telem. 24 no. 9:1279-1283 S '63.
Some generalizations in the theory of random pulse processes. B. R. Levin Elektrosviaz' 17 no. 7:21-32 Jl '63.
Statistical properties of interference at the output of a communication system with phase pre-emphasis of the signal. IU. N. Babanov. Trudy GPI 16 no. 2:5-11 '60.
Using the information theory in calculating the value of the criteria for the operating reliability of automatic control systems of mining equipment. N. G. Pliushchov. Izv. vys. uchob. zav.; gor. zhur. 6 no. 7:161-170 '63.

INFRARED PHOTOGRAPHY see Photography, Infrared

INFRARED RAYS
Infrared transmission in neutron-irradiated indium antimonide. N. I. Kuridiani. Fiz. tver. tela 5 no. 7:2022-2023 Jl '63.
Study of the crystalline lens in infrared light [with summary in English]. R. A. Gundorova. Uch. zap. GNII glaz. bol. no. 8:40-43 '63.
Theory of infrared light absorption in crystals. Four-phonon interaction. V. N. Kashcheev. Fiz. tver. tela 5 no. 8:2339-2344 Ag '63.

INFRARED RAYS—INDUSTRIAL APPLICATIONS
Portable infrared heaters. IA. E. Vol'fkovich. Prom. energ. 18 no. 8:52-53 Ag '63.

INFRARED RAYS IN NAVIGATION
Use of infrared apparatuses on river ships. K. Oreshkin. Rech. transp. 22 no. 7:43-45 Jl '63.

INFRARED SPECTRUM see Spectrum, Infrared

INGOT MOLDS
Effectiveness in the use of lightweight, solid-bottom ingot molds. L. A. Bol'shakov and others. Stal' 23 no. 8: 712-713 Ag '63.
Increasing the stability of ingot molds by an addition of ferrotitanium. V. S. Krasovitskii and others. Stal' 23 no. 8:717-718 Ag '63.
Measures for improving the top pouring of steel. V. A. Efimov and others. Vop. proizv. stali no. 9:79-95 '63.

INGOT MOLDS—DESIGN AND CONSTRUCTION
Improving the design of ingot molds and using converter pig iron for their founding. Stal' 23 no. 7: 618-621 Jl '63.

INGULETS RIVER—OLIVINE DIABASE
Some petrographic features of olivine diabases from the Ingulets River. V. F. Petrun'. Sbor. nauch. trud. KGRI no. 7:85-96 '59.

INHERITANCE AND SUCCESSION
From the practice of notarial agencies. Sov. iust. no. 9: 31 My '63.
From the practice of notarial agencies. Sov. iust. no. 12:31-32 Je '63.

INHIBITION
Effect of the morphine group analgesics on central inhibitory processes [with summary in English] N. A. Kruglov. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:65-75 '63.

INHIBITION (CHEMISTRY)
Interaction of two inhibitors in the reaction of oxidation of hydrocarbons. G. V. Karpukhina, Z. K. Maizus, N. M. Emanuel'. Dokl. AN SSSR 152 no. 1,110-113 S '63.
"Matrix effects" during the activation of compounds having a conjugation system in the reaction inhibiting the oxidation processes. A. A. Berlin, S. I. Bass. Izv. AN SSSR. Ser. khim. no. 9:1652-1654 S '63.
Participation of the inhibitor in the act of degenerated chain branching. IU. A. Shliapnikov and others. Dokl. AN SSSR 151 no. 1 146-150 Jl '63
Role of the inhibition of enzymes by reaction products in an open system. G. D. Dochev, L. N. Moiseeva, A. G. Pasynskii. Dokl. AN SSSR 151 no. 3 725-728 Jl '63.

INLAND NAVIGATION
Use of infrared apparatuses on river ships. K. Oreshkin. Rech. transp. 22 no. 7:43-45 Jl '63.

INLAND NAVIGATION—STUDY AND TEACHING
In favor of the course "Special sailing directions." K. Rusakov. Rech. transp. 22 no. 7,50 Jl '63.

INLAND WATER TRANSPORTATION
(see also subdivision under Germany, West)
Different systems, different ways. A. Muravlev, E. Zin'. Rech. transp. 22 no. 7 18-20 Jl '63.
Expansion of inland water transportation during four years of the seven-year plan. M. Chebotarev. Rech. transp. 22 no. 7:6-9 Jl '63.
In the Collegium of the Ministry of the River Fleet. Rech transp 22 no 6:46 Je '63.
In the Collegium of the Ministry of the River Fleet. Rech. transp. 22 no. 7:48 Jl '63.
Operational conditions of project 732 ships. V. Lesiukov, A. Khoze, G. Egorov. Rech. transp. 22 no. 7:22-25 Jl '63.
Put into operation the resolutions of the June plenum of the Central Committee of the CPSU Rech. transp. 22 no. 7,1-3 Jl '63.
Ways of expanding the ship repair base of the Ministry of the River Fleet. N. Belov. Rech. transp. 22 no. 7:21-22 Jl '63.
Work on schedule. N. Magdalinskii. Rech. transp. 22 no. 6:46 Je '63.
Workers of the State Institute for Research and Planning in River Transportation are striving for technological progress V Gurevich Rech transp 22 no 6:31-34 Je '63.

INLAND WATER TRANSPORTATION—COST OF OPERATION
Economize fuel and use it carefully. M. Davydov. Rech. transp. 22 no 6:22-24 Je '63.
Improve the indices of planning river transportation. A. Denis'ev. Rech. transp. 22 no. 7 9-11 Jl '63.

INLAND WATER TRANSPORTATION—EMPLOYEES
From the editor's mail. Sots. trud 8 no. 6:135-137 Je '63.
The group is the educator of the man of the future. V. Kharitonov. Rech. transp. 22 no. 7 4 Jl '63.

INLAND WATER TRANSPORTATION—PERIODICALS
First Soviet journal on water transportation. S. Danilichev. Rech. transp. 22 no. 7,47 Jl '63.

INSCRIPTIONS, ARABIC
The meaning of the word "baraka" often appearing on the medieval glazed pottery I. Akhrarov. Nauch. tab. i soob. Otd. obshchestv. nauk AN Uz. SSR 5:212-216 '62.

INSCRIPTIONS, GREEK see subdivision under Dnieper Valley

INSECTICIDES
Gorlainova, T. S. [Chemical products for domestic use] Tovary bytovoi khimii. Moskva, Gos. izd-vo torgovoi lit-ry, 1963. 79 p (Dlia doma, dlia sem'i)
Hexachlorobutadiene in controlling Phylloxera. IA. I. Prints, V. M. Kozlov, I. F. Slonovskii. Zashch. rast. ot vred. i bol. 8 no. 5:25-27 My '63.
Phosphorus organic acaricides and insecticides. P. V. Popov. Zashch. rast. ot vred. i bol. 8 no. 5:27 My '63.
Results of six years' testing of dichloroethane and its purified still residues in Moldavia. IA. I. Prints, V. M. Kozlov, I. F. Slonovskii Fil. i mery bor'by s nei no. 1:9-16 '61.

INSECTICIDES—TESTING
Methods for estimating the effectiveness of insecticides. A. V. Kislyi. Zashch. rast. ot vred. i bol. 8 no. 5:46 My '63.
Photothermal container A. G. Tremil', A. Z. Zlotin, M. A. Lymareva Zashch. rast. ot vred. i bol. 8 no. 7: 43 Jl '63

INSECTS—ANATOMY
Morphology of the fourth segment of the palpus of Dermacentor marginatus Sulz. E. B. Diusembaev, V. K. IAshkul'. Trudy Inst. zool. AN Kazakh. SSR 19:238-240 '63

INSECTS—DEVELOPMENT
Ecologic regulation of the seasonal cycle in Anopheles bifurcatus L. (Diptera, Culicidae). E. B. Vinogradova. Dokl. AN SSSR 151 no. 5:1204-1206 Ag '63.
Effect of light on the duration of the development of the first nymphal instar of the pine sawfly Neodiprion sertifer Geoffr. T. P. Pankevich. Vestsi AN BSSR Ser. bilial. nav. no. 1:110-114 '63.

INSECTS, INJURIOUS AND BENEFICIAL
(see also subdivision under Mongolia)
Entomological evaluation of various systems of soil tillage under conditions prevailing in the central regions of the non-Chernozem belt. M. I. Grechka. Dokl. TSKhIA no. 62 467-469 '61.

INSECTS, INJURIOUS AND BENEFICIAL—BIOLOGICAL CONTROL
In Geneva I. A. Rubtsov Zashch. rast. ot vred. i bol. 8 no. 7 58-59 Jl '63.
Predatory flies of the family Chamaemyiidae Zashch. rast. ot vred. i bol 8 no 7 40-42 Jl '63.

INSECTS, INJURIOUS AND BENEFICIAL—CONTROL
(see also subdivision under Baltsk region, Crimea, Nenets National Area; United States)
Pathogenic effect of small and medium doses of gamma rays on the progeny of irradiated insects. V. IA. Podolian. Trudy Inst. zool. AN Kazakh. SSR 19:220-225 '63
Some results and future application of the aerosol method for controlling injurious and parasitic insects and ticks. K. P. Andreev. Trudy VNIIVS 14:3-5 '59.

INSECTS, INJURIOUS AND BENEFICIAL—CONTROL—BIBLIOGRAPHY see Bibliography—Insects, Injurious and beneficial—Control

INSECTS AS CARRIERS OF DISEASE
Experimental infection of gamasid mites, lice and fleas with Brucella M. M. Rementsova and others. Trudy Inst. zool. AN Kazakh. SSR 19:226-233 '63

INSTRUMENT INDUSTRY—MANAGEMENT see subdivision under Leningrad

INSTRUMENT MANUFACTURE
Ipatov, S. S. [Jig-boring machines used in the precision manufacture of instruments] Koordinatno-rastochnye stanki v tochnom priborostroenii. Pod red. E. F. Emilova. Moskva, Oborongiz, 1954. 195 p
Rabinovich, A. N., and others. [Automatic checking in the manufacture of machines and instruments] Avtomatizatsiia kontrolia v mashinostroenii i priborostroenii Moskva, Mashgiz, 1963. 122 p. (Nauchno-populiarnaia biblioteka molodogo rabochego)

INSTRUMENTS
New instruments. IU. V. Karbe. Priborostroenie no. 9: 29-30 S '63.

INSTRUMENTS—BIBLIOGRAPHY see Bibliography—Instruments

INSTRUMENTS—TESTING
Practical methods for the determination of optimum reliability. S. S. Brudnik, V. A. Taran. Priborostroenie no. 7:23-25 Jl '63.

INSTRUMENTS, ELECTRIC see Electric instruments

INSTRUMENTS, ELECTRONIC see Electronic instruments

INSULATING MATERIALS
Experimental determination of the heat conductivity coefficient of thermal insulation materials using the self-modeling method. G. I. Vasil'ev and others. PMTF no. 3:67-70 My-Je '63.
Russia (1917- R.S.F.S.R.) Ministerstvo montazhnykh i spetsial'nykh stroitel'nykh rabot. Tekhnicheskoe upravlenie. [Safety instructions for insulation work and the manufacture of materials at production bases] Instruktivnye ukazaniia po tekhnike bezopasnosti pri proizvodstve teploizolitatsionnykh rabot i izgotovlenii materialov na proizvodstvennykh bazakh. Moskva, Gosstroiizdat, 1963 102 p.

INSULATING OILS
System for cleaning and drying transformer insulating oil. P. E. Vdovin, L. V. Okhtemenko. Prom. energ. 18 no. 8:22-26 Ag '63.

INSULATION (HEAT)
New heat insulating material "Asboteploizol" for the shipbuilding industry. N. T. Dodonov. Sudostroenie 29 no. 5:37-38 My '63.
Pay more attention to the heat insulation of equipment. G. N. Smirnov. Tekst. prom. 23 no. 8:82-83 Ag '63.

INSURANCE see subdivision under Karelia

INSURANCE, SOCIAL
Survey of labor legislation. Sots. trud 8 no. 6:154-156 Je '63.

INTA REGION—COAL MINES AND MINING—LABOR PRODUCTIVITY
Performers of glorious feats. I. Morozov. Sov. shakht. 12 no. 6:15-16 Je '63.

INTEGRAL EQUATIONS

Analytic structure of the solution to the "membrant equation." N. F. Morozov. Dokl. AN SSSR 152 no. 1: 78-80 S '63.

A class of nonlinear integral equations. M. M. Lavrent'ev. Sib. mat. zhur. 4 no. 4:837-844 Jl-Ag '63.

Method of integral kinetic moment equations. R. G. Barantsev. Dokl. AN SSSR 151 no. 5:1038-1041 Ag '63.

Mikhailov, L. G. [New class of singular integral equations and its applications to differential equations with singular coefficients] Novyi klass osobykh integral'nykh uravnenii i ego primeneniia k differentsial'nym uravneniiam s singuliarnymi koeffitsientami. Dushanbe, 1963. 182 p. (Akademiia nauk Tadzhikskoi SSR. Otdel fiziki i matematiki. Trudy, vol. 1)

Reduction of the problem of an analytical continuation to a horizontal layer in solving first-order linear integral equations of the convolution type with rapidly decreasing kernels. V. N. Strakhov. Izv. AN SSSR, Ser. geofiz., no. 8:1206-1221 Ag '63.

Solution of mixed boundary value problems with a shift, and conversion formulae for certain first-order singular integral equations. G. N. Pykhteev. Sib. mat. zhur. 4 no. 4:845-861 Jl-Ag '63.

Theory of convolution type integral equations. L. S. Rakovshchik. Usp. mat. nauk 18 no. 4:171-178 Jl-Ag '63.

Wiener-Hopf's equation of the first kind. V. V. Ivanov. Dokl. AN SSSR 151 no. 3:489-492 Jl '63.

INTEGRALS

Algebraic and univalent integrals in the problem of motion of a solid body in a Newtonian force field. IU. A. Arkhangel'skii. Prikl. mat. i mekh. 27 no. 4:697-698 Jl-Ag '63.

Change of a variable in an A-integral. I. L. Bondi. Uch. zap. MGPI no. 188:3-21 '62.

Conditions for the existence of entire integrals, algebraic with respect to velocity, in conservative scleronomous systems. I. S. Arzhanykh, A. U. Karimov. Sbor. nauch.-issl. rab. TTI no. 15:163-171 '62.

General method for calculating the integrals from spin-functions in the method of valence schemes. V. I. Berdnikov, V. M. Tatevskii. Vest. Mosk. un. Ser. 2 Khim. 18 no. 4:93 Jl-Ag '63.

Integral property of double kernels. M. A. Dukhovnyi. Sbor. nauch. trud. KGRI no. 7:312-316 '59.

INTEGRALS, GENERALIZED

Space of functions with discontinuities of the first kind and the extended Stieltjes integral. IU. S. Ocnan. Uch. zap. MGPI no. 188 138-151 '62.

INTEGRODIFFERENTIAL EQUATIONS

Admissibility of a given group in the derivation of a system of integrodifferential equations. IU. K. Uvakov. Sbor. nauch.-issl. rab. TTI no. 15:1-15 '62.

INTELLECTUALS

Khodzhaev, Emut. [Communism and intelligentsia] Kommunizm i intelligentsiia. Ashkhabad, Turkmenskoe gos. izd-vo, 1962. 151 p.

INTELLIGENCE SERVICE see subdivision under United States

INTERCOMMUNICATION SYSTEMS

Akademiia stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Use of radio in dispatcher control] Primenenie radiosviazi v dispetcherskoi sluzhbe; opyt treesta No. 15 "Stalmekhanizatsiia" Ministerstva stroitel'stva Belorusskoi SSR. Moskva, Gosstroiizdat, 1962. 10 p. (MICROFILM)

INTERCONNECTED ELECTRIC UTILITY SYSTEMS

Choice of optimum parameters of compensating devices for a long-distance power transmission line coupled with intermediate systems. R. I. Borisov. Trudy Transp. energ. inst. Sib. otd. AN SSSR no. 14:120-126 '62.

INTERNAL COMBUSTION ENGINES

Calculating the wear resistance of parts for marine internal combustion engines. F. M. Klemushin. Sudostroenie 29 no. 7:56-59 Jl '63.

Improvement of the accelerating ability of a two-shaft gas turbine transport engine using nozzle control of the power turbine. I. A. Barskii. Energomashinostroenie 9 no. 6:35-36 Je '63.

Kruglov, M. G. [Thermodynamics and gas dynamics of two-cycle internal combustion engines, gas exchange processes] Termodinamika i gazodinamika dvukhtaktnykh dvigatelei vnutrennego sgoraniia, protsessy gazoobmena. Moskva, Mashgiz, 1963. 271 p.

A new engine? V. Kardashev. Tekh. mol. 31 no. 9:37 '63.

Some laws governing oil contamination in engines. E. P. Mosikhin, K. V. Rybakov. Mekh. i elek. sots. sel'khoz. 21 no. 4:30-32 '63.

INTERNAL COMBUSTION ENGINES—ABSTRACTS

[Internal combustion engines] Ref. zhur.: Dvig. vnutr. sgor. no. 9 S '63.

INTERNAL COMBUSTION ENGINES—COOLING

Cooling of an internal combustion engine. B. E. Zheleznko. Vestsi AN BSSR Ser. fiz.-tekh. nav. no. 1:138-140 '62.

INTERNAL FIXATION IN FRACTURES

Intraosseous osteosynthesis using a metal pin in the treatment of gunshot fractures of the long bones. B. A. Dmitriev, A. E. Beruglyi, M. G. Shul'man. Voen.-med. zhur. no. 8:72-73 '62.

INTERNAL MEDICINE see Medicine, Internal

THE INTERNATIONAL

"The First International in America" [in English] by S. Bernstein. Reviewed by L. I. Zubok. Vop. ist. 38 no. 7:174-177 Jl '63.

INTERNATIONAL ARBITRATION see Arbitration, International

INTERNATIONAL ASSOCIATION OF DEMOCRATIC LAWYERS

Important decisions of the International Association of Democratic Lawyers. K. Gorshenin. Sots. zakon. 40 no. 6:63-66 Je '63.

INTERNATIONAL CORRESPONDENCE

Education in the process of correspondence. R. L. Zlatogorskaia. Inostr. iaz. v shkole no. 3:85-88 My-Je '63.

Soviet students as friends of Scotland. E. I. Glatman. Inostr. iaz. v shkole no. 3:86-91 My-Je '63.

INTERNATIONAL EDUCATION—CONGRESSES

Seminar in Prague. IU. Alferov. Nar. obr. no. 8:93-95 Ag '63.

INTERNATIONAL LAW

Legal characteristics of the principle of disarmament. S. A. Malinin. Izv. vys. ucheb. zav.; prav. 7 no. 2:149-153 '63.

Security of individual states in a disarmed world and international law. O. V. Bogdanov. Sov. gos. i pravo 33 no. 8:62-71 S '63.

"State immunity" by M. M. Boguslavskii. A. L. Kolodkin. Izv. vys. ucheb. zav.; prav. 7 no. 2:184-185 '63.

INTERNATIONAL SECURITY see Security, International

INTERPOLATION

Interpolation on sets of zero measure. A. A. Privalov. Uch. zap. MGPI no. 188:103-108 '62.

INTESTINES

Effect of vincamine, its quaternary bases and vinkamidin on the intestinal musculature. M. B. Sultanov, E. B. Baibekov. Farm. zhk. no. 1:121-126 '62.

INTESTINES—DISEASES

Intestinal lipodystrophy of Whipple's disease. N. T. Starostenko, N. F. Ostrovskaia. Zdravookhranenie 6 no. 1: 56-57 Ja-F '63.

Pernicious "orphans." S. D. Nosov. Zdorov'e 9 no. 5: 6 My '63.

Role of nurses in treating children suffering from intestinal toxicoses. S. A. Sviadoshch. Sov. zdrav. Kir. no. 3: 52-56 My-Je '63.

INTESTINES—DIVERTICULA

Association of diverticulitis, ileus, and tubercular peritonitis in a child. M. M. Petrov. Probl. tub. no. 8:106-107 '62.

INTESTINES—OBSTRUCTIONS

(see also subdivision under Mari A.S.S.R.)

Association of diverticulitis, ileus, and tubercular peritonitis in a child. M. M. Petrov. Probl. tub. no. 8:106-107 '62.

INTESTINES—RADIOGRAPHY

X-ray diagnosis of hiatal hernia of the small intestine. M. E. Astapova. Sov. zdrav. Kir. no. 3:57-58 My-Je '63.

INTRACRANIAL TUMORS

Cerebral metastases in chorionepithelioma. E. M. Stabrov. Vrach. delo no. 8:127-129 Je '63.

INTRAOCULAR PRESSURE

New indicator of intraocular pressure and the results of its use [with summary in English]. A. IA. Bunin and others. Uch. zap. GNII glaz. bol. no. 8:189-193 '63.

INTUITION

Asmus, V. F. [Problem of intuition in philosophy and mathematics, a study of its history from the 17th through the early 20th century] Problema intuitsii v filosofii i matematike; ocherk istorii XVII—nachalo XX v. Moskva, Sotsekgiz, 1963. 311 p.

INVARIANTS

Invariants of linear representations of a group of plane rotations and the problem of the center. K. S. Sibirskii. Dokl. AN SSSR 151 no. 3:497-500 Jl '63.

INVENTIONS—BIBLIOGRAPHY see Bibliography—Inventions

INVENTIONS, EMPLOYEES'

Let us simplify the examination of disputes over remuneration for inventions. M. Asinovskii. Sots. zakon. no. 6:49-50 Je '63.

INVERTEBRATES see subdivision under Bukhash

INVESTMENTS, AMERICAN see subdivision under Indonesia

IODINE

Biogeochemical province poor in iodine [with summaries in English, German, and French]. M. I. Gustova. Vest. sel'khoz. nauki 8 no. 4:77-80 Ap '63.

IODINE COMPOUNDS

Monosaccharides. Report No. 5: Behavior of some monosaccharide derivatives in the reaction with triphenyl phosphite iodomethylate. N. K. Kochetkov, A. I. Usov. Izv. AN SSSR, Ser. khim. no. 7:1243-1253 Jl '63.

IODINE ISOTOPES

Examination of the thyroid gland by the scanning technique [with summary in English]. V. K. Medestov, V. R. Khachko, A. Kh. Mirkhodzhaev. Med. rad. 7 no. 11:17-22 N '62.

IODINE ISOTOPES—THERAPEUTIC USE

I^{131} treatment of postoperative recurrences of thyrotoxicosis [with summary in English]. L. I. Tolstoukhova, A. M. Bykhovskaia. Med. rad. 7 no. 11:6-9 N '62.

I^{131} treatment of thyrotoxicoses [with summary in English]. R. U. Ishmukhametov. Med. rad. 7 no. 11:3-5 N '62.

Motor function of the gastrointestinal tract in patients with thyrotoxicosis before and following I^{131} treatment [with summary in English]. M. I. Neporent, V. G. Spasskaia. Med. rad. 7 no. 11:9-16 N '62.

Organization of work and norms of radiation exposure for personnel engaged in the diagnosis and treatment of thyroid gland diseases with radioactive iodine [with summary in English]. V. Kh. Frenkel'. Med. rad. 7 no. 11:23-26 N '62.

Radioactive iodine therapy in cancer of the thyroid gland. A. I. Strashinin, L. V. Ivanova. Vop. onk. 9 no. 2:108-113 '63.

IODINE ISOTOPES—TOXICOLOGY

Emergency aid in poisoning with radioactive iodine [with summary in English]. V. P. Borisov. Med. rad. 7 no. 11:27-31 N '62.

IODONIUM COMPOUNDS

Photochemical reaction between triphenylphosphine and diphenyl iodonium salts. O. A. Pittsyna and others. Izv. AN SSSR, Ser. khim. no. 8:1527 Ag '63.

IOGANSON, BORIS VLADIMIROVICH, 1893-

To the glory of man. V. A. Serov. Ogonek 41 no. 31:16 Jl '63.

ION BEAMS

UIT-4 apparatus for fast etching of metals, semiconductors, and dielectrics by ionic bombardment. G. V. Spivak, V. E. IUrasova, F. F. Kushnir. Izv. AN SSSR, Ser. fiz. 27 no. 9:1188-1192 S '63.

ION EXCHANGE

Akademiia nauk BSSR, Minsk. Institut obshchei i neorganicheskoi khimii. [Ion exchange and sorption from solutions] Ionoobmen i sorbtsiia iz rastvorov. Minsk, Izd-vo Akad. nauk Belorusskoi SSR, 1963. 159 p.

Certain features of cation exchange in an acid medium on cation exchangers with carboxyl functional groups. Z. A. Krivchuk, N. F. Ermolenko. Dokl. AN SSSR 151 no. 6: 1147-1149 Ag '63.

Ion exchange separation of rhenium from molybdenum on the KU-2 cation exchanger. Report No. 4: Separation of rhenium from molybdenum in a medium of certain complex-forming acids. M. V. Darbinian, D. S. Gabbakian. Izv. AN Arm. SSR, Khim. nauki 16 no. 4:335-341 '63.

Method of purification of α-methylstyrene by removing phenol with the aid of anion exchangers. N. G. Poliankii, V. S. Markevich, T. I. Kozlova. Neftekhimiia 3 no. 3:348-351 My-Je '63.

Study of ion exchange processes between the KU-2 cation exchanger in H^+-, K^+-, Mg^{2+} ions and solutions of certain electrolytes. Kh. F. Azizov, M. N. Nabiev. Uzb. khim. zhur. 7 no. 3:5-12 '63.

Studying ion exchange processes in soils under dynamic conditions [with summary in English]. N. K. Krupskii, O. IU. TSyganenko. Pochvovedenie no. 8:103-106 Ag '63.

ION EXCHANGE RESINS

Cation exchange study of the behavior of indium as dependent on the concentration of oxalate ions and of the pH of solution. E. P. TSintsevich and others. Vest. Mosk. un. Ser. 2, Khim. 18 no. 4:70-72 Jl-Ag '63.

Determination of the absorption capacity of ion exchange resins by a gravimetric method. V. V. Rachinskii, I. V. Kolosov. Zav. lab. 29 no. 8:926-927 '63.

ION EXCHANGE RESINS—THERMAL PROPERTIES

Thermal stability of the ion exchange resin KU-1. G. A. Evlanov, N. E. Saf'ianova. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2:341-343 '63.

ION EXCHANGERS

Akademiia nauk SSSR. Institut fizicheskoi khimii [Ion exchange sorbents and their industrial applications] Ionoobmennye sorbenty v promyshlennosti Moskva, Izd-vo Akad nauk SSSR, 1963 243 p.

Anion exchangers based on the copolymers of glycidyl methacrylate and dimethacrylic esters of ethylene glycol [with summary in English]. P. G Ioanisiani, B N Laskorin, N L. Alekseeva Vysokom. soed 5 no 8 1213-1218 Ag '63

Chromatography of proteins on cellulose ion exchangers. A. IA. Nikolaev. Usp. khim. 32 no. 9:1087-1112 S '63.

Diffusion of organic cations in sulfocation exchangers. G. S. Libinson. Dokl AN SSSR 151 no 1:127-129 Jl '63

ION SOURCES

Electron current at the outlet of a Penning tube. IU. E. Kreindel'. Zhur. tekh. fiz. 33 no. 7 883-885 Jl '63.

Source of molecular hydrogen ions for the "Ogra" apparatus. P. M. Morozov, L. N Pil'gunov Zhur tekh fiz 33 no. 4:470-478 Ap '63.

IONIC CRYSTALS

Chemical action of ionizing radiations on inorganic crystals. V. V. Boldyrev, L. I. Bystrykh. Usp. khim. 32 no. 8:948-966 Ag '63.

Effect of wetting the surfaces of ionic crystals on the selection of one of the equivalent dodecahedral glide systems during linear deformation of specimens. V. P. Bobrikov. Uch. zap. Ped. inst. Gertz. 197:126-129 '58.

Me - H_2O distances in crystal hydrates and the ionic radii in aqueous solutions S I Drakin Zhur strukt khim 4 no 1 514-520 Jl-Ag '63

Mechanical behavior of ionic crystals [translated from the English]. J. J. Gilman. Usp. fiz. nauk 80 no. 3, 455-503 Jl '63.

IONIC CRYSTALS—DEFECTS

Calculating the lattice distortion around an impurity in an ionic crystal. N. N. Kristofel'. Fiz. tver. tela 5 no. 8:2367-2369 Ag '63.

IONIC CRYSTALS—SPECTRA

Temperature dependence of the line width of resonance absorption by the lattice in ionic crystals [with summary in English]. L. E. Gurevich, I P. Ipatova Zhur. eksp i teor. fiz. 45 no. 2:231-236 Ag '63.

IONIC SOLUTIONS

Thermodynamic characteristics of the change of mobility of water molecules during the hydration of ions G. A Krestov, V F Klopov Zhur strukt khim 4 no 1 507-513 Jl-Ag '63

IONIZATION

Ionization and dissociation of hexafluoropropylene by electrons of varied energies. F. N. Chelobov and others. Dokl. AN SSSR 151 no. 3 631-633 Jl '63.

Ionization losses in an inhomogeneous medium [with summary in English]. N. P. Kalashnikov, M. I. Riazanov Zhur. eksp. i teor. fiz. 45 no 2:325-332 Ag '63

Ionization mechanism underlying the appearance of structural defects in crystals. S V. Starodubtsev, A. E. Kiv. Dokl. AN SSSR 151 no. 3:550-551 Jl '63.

Mass spectrometric method for determining partial vapor pressures and relative ionization cross sections of molecules from total evaporation isotherms L. N. Sidorov, P A Akishin. Dokl. AN SSSR 151 no. 1:136-139 Jl '63.

Use of surface ionization phenomena in studying catalytic reactions on a surface. N. I. Ionov, M. A. Mitsev. Dokl. AN SSSR 152 no. 1:137-139 S '63.

IONIZED AIR see Air, Ionized

IONONES

Cyclization of isoprenoid compounds. Report No. 7: Low-temperature cyclization of dihydro-α -, dihydro-β -, and dihydro-γ-ionones. V. A. Smit, A. V. Semenovskii, V. F. Kucherov. Izv. AN SSSR, Ser. khim. no. 9:1601-1607 S '63.

IONOSPHERIC RESEARCH

Exploration of outer space and the upper atmospheric layers. A. A. Blagonravov. Vest. AN SSSR 33 no. 9, 9-16 S '63.

High-altitude distribution of charged particles in the ionosphere and the transition zone between the oxygen and helium ionic layers as revealed by ion trap tests taken in the "Kosmos-2" satellite. K. I. Gringauz and others. Dokl. AN SSSR 151 no. 3:560-563 Jl '63.

IONOSPHERIC RESEARCH—BIBLIOGRAPHY see Bibliography—Ionospheric research

IONS

Action of ions on the mutual ordering of water molecules in aqueous solutions. V. I. Tikhomirov. Zhur strukt. khim 4 no. 4 521-526 Jl-Ag '63.

Anisotropic behavior of the coefficient of ion-electron emission from single crystals. E. S. Mashkova, V. A. Molchanov, D. D. Odintsov. Dokl. AN SSSR 151 no. 5: 1074-1076 Ag '63.

Dissociation of ions from methane, ammonia, and water due to collisions with molecules in the energy range 3.5 to 100 kev. S. E. Kupriianov, A. A. Petrov. Zhur. tekh. fiz. 33 no 7 823-831 Jl '63.

Theory of sputtering of metals by light ions. IU. V Bulgakov. Zhur. tekh. fiz. 33 no 4:500-504 Ap '63.

IONS—DENSITY

Paragenetic associations and ionic densities of elements in ore deposits. IU. G. Shcherbakov. Geokhimiia no 7:702-707 Jl '63.

IONS—MIGRATION AND VELOCITY

Investigating self-diffusion in metals without the use of radioactive isotopes M D Smolin Fiz met i metalloved 16 no 1 138-140 Jl '63

New method of determining the ionic charge in metals and semiconductors. IU. G. Miller. Trudy Inst. met. no 15 11-17 '63

IRAN—FOREIGN ECONOMIC RELATIONS—UNITED STATES

Abdullaev, Z. Z. [Beginning of U. S. expansion in Iran] Nachalo ekspansii SShA v Iranе. Moskva, Izd-vo vostochnoi lit-ry, 1963, 96 p.

IRAN—HISTORY

Dandamaev, M. A. [Iran under the rule of the first Achaemenids, the sixth century B. C.] Iran pri pervykh Akhemenidakh, VI v. do n. e. Moskva, Izd-vo vostochnoi lit-ry, 1963, 228 p.

IRANIAN LANGUAGES—GRAMMAR, COMPARATIVE

Akademiia nauk SSSR. Institut iazykoznaniia. [Iranian collection, dedicated to the seventy-fifth birthday of Professor I I. Zarubin] Iranskii sbornik, k semidesiatipiatiletiiu professora I. I. Zarubina Moskva, Izd-vo vostochnoi lit-ry 1963. 264 p

IRAQ—POLITICS AND GOVERNMENT

Blood-red glow over Kurdistan. Ol. Nosenko. Ukraina no. 11 4 Jl '63.

Terror in Iraq. Nazeeha Dulaimi. Zhen. mira no. 4:14 '63.

IRAQ—WHEAT

Grain of Iraqian wheat Adnan Zubaidi. Muk.-elev prom. 29 no 3 25-26 Mr '63.

IRIDECTOMY

Results of 700 Lagrange-Holth operations in V. P. Filatov's modification [with summary in English]. P. IA. Mogilevskaia. Uch. zap. GNII glaz. bol. no. 8:211-227 '63.

IRIDIUM-IRON-RHENIUM ALLOYS see Iron-iridium-rhenium alloys

IRIS (EYE)—SURGERY

Further observations on the results of the use of cataract extraction combined with iridencleisis in glaucoma patients [with summary in English]. F. IA. Mogilevskaia. Uch. zap. GNII glaz. bol. no. 8:143-148 '63.

IRIS (PLANT)

Symposium on Irises. G. I. Rodionenko. Vest. AN SSSR 33 no. 9, 91 S '63.

IRKUTSK PROVINCE—ECONOMIC GEOGRAPHY

Popov, P. F. [Natural conditions and resources of Irkutsk Province] Prirodnye uslovila i bogatstva Irkutskoi oblasti. Izd. 3., ispr i dop Irkutsk, Irkutskoe knizhnoe izd-vo, 1963 37 p.

IRKUTSK PROVINCE—EFFICIENCY, INDUSTRIAL

Appreciable contribution. A. Blazhko. Agitator no. 12: 55 Je '63.

IRKUTSK PROVINCE—FOREST MANAGEMENT

Letters to the editor. Les. khoz. 16 no. 6:85 Je '63.

IRKUTSK PROVINCE—MAPS

Atlas of Irkutsk Province. G. P. Venevtseva. Geod. i kart. no. 6:58-61 Je '63.

IRKUTSK RESERVOIR—LEECHES

Leeches of Irkutsk Reservoir and the problem of noncompatibility of the Baikal region fauna and the common palearctic fauna. E. I. Lukin. Dokl. AN SSSR 151 no 5: 1225-1227 Ag '63.

IRON—ANALYSIS

Trilonometric determination of simultaneously present trivalent iron and sulfate ion. Report No. 1. E. V. Donskaia, V. N. Sidrokova, V. F. Nevolin. Trudy LTITSBP no. 8:127-128 '61.

IRON—METALLURGY

Regularities of iron reduction from ore under the simultaneous influence of hydrogen and carbon monoxide. T. P. Kurzina, S. I. Filippov. Izv. vys. ucheb. zav., chern. met. 6 no. 7:21-26 '63.

IRON ALLOYS

Passivation characteristics of iron-base alloys. G. M. Florianovich, IA. M. Kolotyrkin. Dokl. AN SSSR 151 no. 1:144-147 Jl '63.

IRON ALLOYS—DENSITY

Surface tension and density of iron-sulfur and iron-phosphorus melts [with summary in English] B M Lepinskikh, N. A Vatolin Inzh.-fiz. zhur. 6 no 7 109-112 Jl '63

IRON-ALUMINUM ALLOYS

Effect of ordering processes on internal friction in Fe_3Al type alloys. L. A. Svergunenko. Fiz. tver. tela 5 no. 8 2052-2056 Ag '63.

IRON AND STEEL PLANTS see subdivision under Makeyevka; Zaporozh'ye; Zhdanov

IRON AND STEEL PLANTS—ELECTRIC EQUIPMENT

[Electrical equipment of ferrous metallurgy enterprises] Elektrooborudovanie predpriiatii chernoi metallurgii [By] V. D Afanas'ev i dr Moskva, Metallurgizdat, 1963 606 p

IRON COMPOUNDS

Complex formation of iron (III) with glycerol and mannitol in an alkaline medium I. V. Piatnitskii, A. Kh. Kilbus. Ukr. khim zhur. 29 no 5:163-172 '63.

Kinetics of the reduction of the thiocyanato complex of iron in the presence of copper ions. B. E. Reznik, N. A. Bednik, M. V. Pchelkina. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2:209-211 '63.

IRON FOUNDING

Improving the design of ingot molds and using converter pig iron for their founding. Stal' 23 no. 7: 616-621 Jl '63.

IRON-GERMANIUM ALLOYS—METALLOGRAPHY

Region of homogeneous structure and certain properties of the β phase in the system Fe - Ge V. N Shultin, P V Gel'd, V. L. Zagrimzhskii Fiz met i metalloved 16 no 1 140-143 Jl '63

IRON INDUSTRY—CONGRESSES

Second All-Union Conference on the Automation of Industrial Processes in Ferrous Metallurgy. V. IU. Kagonov. Stal' 23 no. 7 668-670 Jl '63.

IRON INDUSTRY—LABOR PRODUCTIVITY

For a further increase of labor productivity in ferrous metallurgy. Stal' 23 no. 7:577-580 Jl '63.

IRON INDUSTRY—MANAGEMENT

Veselov, N. G. [Ways to utilize the production funds of an enterprise to better advantage] Puti luchshego ispol'zovaniia proizvodstvennykh fondov predpriiatila Izd. 2. Moskva, Metallurgizdat, 1963 40 p (Opyt ekonomiki predpriiatii chernoi metallurgii)

IRON-IRIDIUM-RHENIUM ALLOYS

Measurement of the nuclear specific heat of iridium and rhenium in an iron alloy [with summary in English] A. V. Kogan and others. Zhur eksp i teor fiz 45 no. 2:1-7 Ag '63.

IRON-MANGANESE ALLOYS—HARDENING

Effect of mechanical and thermal treatment on phase transformations in iron-manganese alloys. A. S. Nikonenko. Sbor. nauch. trud. KGRI no. 7, 317-321 '59.

IRON MINES AND MINING

(see also subdivision under Kursk Magnetic Anomaly, Rudnyy, Kazakhstan; Temirtau)

Determination of the elements in the position of joints in using open-pit and underground methods of working iron ore deposits. M. L. Rudakov, V. G. Zotcev, L. V. Mozhaev. Trudy Inst. gor. dela UFAN SSSR no. 5:107-111 '63.

IRON-NICKEL ALLOYS—MAGNETIC PROPERTIES

Magnetic susceptibility of iron-nickel alloys in strong fields N Z Mirtasov Fiz met i metalloved 16 no 1 146-148 Jl '63

IRON-NICKEL-CHROMIUM ALLOYS—METALLOGRAPHY

Electron microscope study of the structure of dispersion hardened alloys based on Fe-Ni-Cr. A. V. Smirnova Zav. lab. 29 no. 8:948-952 '63.

IRON ORES

(see also subdivision under Fergana; Krivoy Rog Basin; Kul'dzhuktau)

Conditions governing the accumulation and characteristics of the distribution of germanium in iron ores. G. S. Momdzhi, V. M. Grigor'ev, V. F. Churbakov. Min. syr'e no 7 28-33 '63

Correlated dependence of the components in an iron ore deposit. M. N. Al'bov, IU. K. Panov. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 7:11-16 '63.

Effect of the additions of iron ore and fluxes on the properties of peat as a metallurgical fuel I. V. Gebler and others Izv. TPI 111 86-90 '61

Optimum density of prospecting nets for iron ore deposits with a complex structure. I. I. Pastushenko. Razved. i okh. nedr 29 no. 7:16-22 Jl '63.

IRON ORES—ANALYSIS see subdivision under Armenia

IRON ORES—CLASSIFICATION see subdivision under Ural Mountains

IRON ORES—MAGNETIC PROPERTIES

Determining the iron content in magnetic ores from the amount of their magnetic susceptibility. V. N. Ponomarev, I. I. Glukhikh. Izv. AN SSSR. Ser. geofiz. no. 8, 1225-1233 Ag '63

IRON PLATING

Reconditioning of machine parts by means of electrolytic chelling. V. S. Kozlo... Elektrotepl tiaga no. 7:20-21 Jl '63.

IRON-SILICON ALLOYS—METALLOGRAPHY

Determining the dependence on the structure of surface energy in the grain... B. IU. Kostro... Fiz. met. i metallov. [a] no. 5:129-130 Jl '63

Nature of the ε-phase in the system Fe - Si. F. A. Sidorenko, P. V. Gel'd. Izv. vys. ucheb. zav., chern. met. 6 no. 7:140-148 '63.

IRON SULFATES

Obtaining methyl (ethyl) esters of fatty acids in the presence of trivalent iron sulfate. I. S. El'kina, V. I. Bl... P. G. Bes... Maslob.-zhir. prom. 29 no. 7, 26-27 Jl '63.

Roasting of ferrous sulfate in a fluidized bed (pilot plant testing). V. V. Pechkovskii, S. A. Amirova, N. I. Vorob'ev. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:268-273 '63

IRONWORK

Bulgov, E. N. [Ornamental iron fence, artistic fencing in the Urals] Ograd uzor chugunnyi, khudozhestvennye resetki Urala. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 79 p. (MIU)

IRREVERSIBLE PROCESSES

General question of the thermodynamics of irreversible processes. N. S. Akulov. Dokl. AN BSSR 6 no. 12: 765-767 D '62

High-temperature internal friction in the case of longitudinal oscillations. S. I. Meshkov, T. D. Shermergor. FMF no. 3:20-25 My-Je '63.

IRRIGATION

(see also subdivision under Africa, Southwest, Azerbaijan, Soviet Central Asia, Uzbekistan)

Ignatenko, I. V., A. F. Timofeev, and B. I. Akovlev [Agricultural land improvement; a textbook] Sel'skokhozyaistvennye melioratsii, uchebnoe posobie. Minsk, Gos. izd-vo sel'khoz. lit-ry, BSSR, 1963. 291 p.

IRRIGATION CANALS AND FLUMES see subdivision under Azerbaijan, Vakhsh Valley

IRRIGATION FARMING

Harvesting grain crops in irrigated fields. N. E. Mel...shchenko. Zemledelie 25 no. 7:42-44 Jl '63.

IRTYSH VALLEY—HYDROELECTRIC POWER STATIONS

According to the plan of a great transformation. M. Ibr...lun. Part. zhizn' Kazakh. 33 no. 4:11-15 Ap '63.

IRTYSH VALLEY—SEDIMENTATION AND DEPOSITION

Study of the shape of the Irtysh Valley in connection with its regime of levels and sediments. M. V. Rossomakhin. Trudy GGI no. 100 95-121 '63.

ISAEV, PETR OSIPOVICH, 1886-1962

P. O. Isaev, an obituary. Vop. antr. no. 12:147-148 '62.

ISOBUTYRIC ANHYDRIDE

Perfluorodimethylketene and perfluoromethacrylic acid. Report No. 1: Hexafluoroisobutyric acid halides from fluorinated ethers. I. L. Knunyants, IU. A. Cheburkov, M. D. Bargamova. Izv. AN SSSR. Ser. khim. no. 8:1389-1393 Ag '63.

Perfluorodimethylketene and perfluoromethacrylic acid. Report No. 2. Comparison of α-hydrohexafluoroisobutyric acid halides in the reaction with triethylamine. I. L. Knunyants, IU. A. Cheburkov, M. D. Bargamova. Izv. AN SSSR. Ser. khim. no. 8:1393-1397 Ag '63.

ISOCYANATES

Reaction of aromatic diamines with diisocyanates. Part 3. Reaction of diamines with diisocyanates [with summary in English]. O. IA. Fedotova, A. G. Grozdov. Vysokom. soed. 5 no. 6:822-825 Je '63.

ISOELECTRIC POINT

Characteristics of the isoelectric point of the nucleolus, nucleus and protoplasm in cells of the apical cones of wheat and the mitotic activity of the cells. L. P. Chel'tsova. Dokl. AN SSSR 152 no. 1:198-201 S '63.

ISOMERISM

Spectroscopic study of the rotational isomerism of allyl bromide and methallyl chloride. IU. A. Pentin, Z. Shar...pov. Vest. Mosk. un. Ser. 2 Khim. 18 no. 4:30-35 Jl-Ag '63

Spectroscopic study of the rotational isomerism of some halo derivatives of butane. L. P. Melikhova, IU. A. Pentin, O. D. Ufimova. Zhur. struk. khim. 4 no. 4:535-540 Jl-Ag '63

ISOMERIZATION

Catalytic conversions of high molecular weight paraffins. Report No. 1. Isomerization of n-octadecane in the presence of commercial catalyst WS_2-NiS-Al_2O_3. Kh. IA. Orlov, A. A. Martynov, V. P. Bulychev. Izv. AN SSSR. Ser. khim. no. 9:1636-1641 S '63.

Internal rotation in polymer chains and their physical properties. Part 19. Rotational isomerization of polymer molecules during their stretching and method for its study [with summary in English]. O. B. Ptitsyn, Vysokom. soed. 5 no. 8,1219-1227 Ag '63

Isomerization of Δ3-carene oxide in the reaction with alcohols in the presence of acids. Z. G. Isaeva, I. S. Andreeva. Dokl. AN SSSR 152 no. 1:106-109 S '63.

ISOMETRIC PROJECTION

Device for drawing rectangular isometric projections. M. M. IUditskii, G. G. Makukha. Vest. mashinostr. 43 no. 8:88-89 Ag '63.

ISOMORPHISM

(see also subdivision under Caucasus, Northern)

Polarity of isomorphism [with summary in English]. V. A. Kirkinskii. Geokhimiia no. 2:122-131 F '63

ISOPODA see subdivision under Pacific Ocean

ISOPRENE

Polymerization of isoprene in the presence of complexes formed by titanium tetrachloride, triethylaluminum, and amines. O. F. Solomon, P. Gliveski, E. Michaeilescu. Dokl. AN SSSR 152 no. 1:117-118 S '63.

ISOPRENOIDS

Dependence of the steric course of isoprenoid cyclization reaction on the configuration of 6,7-double bond. V. A. Smit, A. V. Semenovskii, V. F. Kucherov. Izv. AN SSSR, Ser. khim. no. 9:1702 S '63.

ISOPROPYL ALCOHOL

Kinetics of oxidation of isopropyl alcohol. E. T. Denisov, V. M. Solianikov. Neftekhimiia 3 no. 3:360-366 My-Je '63

ISOTHERMIC CURVES see Curves, Isothermic

ISOTHIOCYANATES

Study of the reaction of methyl isothiocyanate with ethylene oxide by the proton magnetic resonance method. G. A. Razuvaev and others. Izv. AN SSSR, Ser. khim. no. 8:1518-1521 Ag '63.

ISOXAZOLIDINONE

Cycloserine in the treatment of pulmonary tuberculosis [with summary in English]. V. V. Utkin. Terap. arkh. 35 no. 1:12-19 Ja '63.

Drug resistance of Mycobacterium tuberculosis in cycloserine treatment of pulmonary tuberculosis [with summary in French]. E. S. Stepanian, V. V. Sergeev. Probl. tub. no. 8:84-87 '62

Results of cycloserine treatment of pulmonary tuberculosis. V. V. Bandzaitis. Probl. tub. no. 8:104-105 '62.

Treatment of pulmonary tuberculosis with cycloserine [with summary in English]. J. Kenez, E. Szaszi. Probl. tub. 41 no. 3:38-40 '63

ISOXAZOLIDINONE—PHYSIOLOGICAL EFFECT

Comparative study of functional and morphological changes under the action of DL-cycloserine on the central nervous system of white rats [with summary in English]. I. L. Razumova. Zhur. vys. nerv. deiat. 13 no. 2:352-360 Mr-Ap '63.

ISSYK-KUL'—RUSSIAN EXPLORATION

The first Russian expedition to Lake Issyk-Kul'. S. Umurzakov. Izv. Vses. geog. ob-va 95 no. 4:368-371 Jl-Ag '63.

ISSYK-KUL' REGION—LANDSCAPE GARDENING

Landscape gardening in the western Issyk-Kul' region. A. I. Kunchenko. Izv. AN Kh. SSR. Ser. biol. nauk 5 no. 2:31-33 '63

ITALIAN PERIODICALS

"Rivista storica italiana," an Italian periodical. M. K. Starokadomskaia. Vop. ist. 38 no. 8:183-187 Ag '63.

ITALY—ARCHITECTURE

Katsnel'son, R. A. [Italy's newest architecture] Noveishaia arkhitektura Italii. Moskva, Gosstroiizdat, 1963. 189 p. (Arkhitektura v kapitalisticheskikh stranakh)

ITALY—DESCRIPTION AND TRAVEL

Italy of many faces. Lev Kassil'. Vokrug sveta no. 1: 26-28 Ja '63

ITALY—EDUCATION

A book on Italian schools. A. Nusenbaum. Nar. obr. no. 6:113-115 Je '63.

System of public education in Italy. P. V. Titkov. Sov. pedag. 27 no. 6:151-154 Je '63.

ITALY—MACARONI

New macaroni factory in Italy. E. S. Poliakov. Khleb. i kond. prom. 7 no. 8:44-46 Ag '63.

ITALY—STRIKES AND LOCKOUTS

Labor movement: Eight million strikers. I. Petrov. Nov. vrem. 21 no. 34:15 Ag '63

IVANA FRANKO DISTRICT—FORESTS AND FORESTRY

Mass breaking of trees under the load of snow in the Ivana Franko Forestry and Logging Unit. V. P. Kovtunov. Les. khoz. 16 no. 6:23-24 Je '63.

IVANA FRANKO DISTRICT—SNOW

Mass breaking of trees under the load of snow in the Ivana Franko Forestry and Logging Unit. V. P. Kovtunov. Les. khoz. 16 no. 6:23-24 Je '63.

IVANO-FRANKOVSK—KINDERGARTEN

Two floors of happiness. B. Volynets'. Ukr. zhur. no. 1: 8b-8c Ag '64

IVANO-FRANKOVSK PROVINCE—MEDICAL CARE

Development of specialized medical aid in Ivano-Frankovsk Province. P. V. Parashchak. Vrach. delo no. 8: 104-106 Ag '63.

IVANOVO—AERONAUTICS—TECHNOLOGICAL INNOVATIONS

Creators of innovations. A. Zharovikov. Kryl. rod. 14 no. 7:24 Jl '63.

IVANOVO PROVINCE—AUDITING AND INSPECTION

What did the audit show. M. Vol'pin. Fin. SSSR 17 no. 6: 84-88 Ag '63

IVANOVO PROVINCE—CRIME PREVENTION

Utilize skillfully the power of the community. K. Il'ina. Part. zhizn' no. 17:58-61 S '63.

IVANOVO PROVINCE—LARCH

Characteristics of fruiting in the larch and the procurement of larch seeds in Ivanovo Province. P. M. Gitel'man. Les. khoz. 16 no. 2:45-48 F '63.

IVANOVO PROVINCE—TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

From the editor's mail. Sots. trud 8 no. 6:155-157 Je '63.

IVNYA DISTRICT—WHEAT

Development and yield of winter wheat in clean and grain fallow. V. S. Nikitaev. Dokl. PSKHA no. 62 [illegible]

IZBASKENTSKIY DISTRICT—COTTON GROWING

Toward a new goal. T. Anarbaev. Part. zhizn' [Uzbek.] no. 7:68-69 Jl '64

JACQUARD WEAVING

Photoelectric head for reading the design pattern for the automatic cutting of jacquard punched cards for looms. IA. M. Rebarbar, D. A. Suvlov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 5:84-91 '63.

JAGIĆ, VATROSLAV, 1838-1923

Jagic, Vatroslav. [Letters written by I. V. Jagic to Russian scholars, 1865-1880] Pis'ma I. V. Iagicha k russkim uchenym, 1865-1880. Izd. podgotovili Ts. P. Blok i T. I. Lydenko. Pod red. V. V. Vinogradova i G. P. Bloka. Moskva, Izd-vo Akad. nauk SSSR, 1963. 527 p.

JANOSIK, JURAJ, 1688-1713

Bogatyrev, P. G. [Slovak epic stories and epic lyrics, the "Brigand cycle"] Slovatskie epicheskie rasskazy i liro-epicheskie pesni; "Zbojnitskii tsikl." Moskva, Izd-vo Akad. nauk SSSR, 1962. 191 p.

JAPAN—CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES

Use of titanium in the chemical machinery manufacture in Japan. B. N. Shevelkin. Khim. mashinostr. no. 4: 40-41 Jl-Ag '63.

JAPAN—CHILDREN

Peace is indispensable for the real happiness of children. Atsuko Uratsuyi. Zhen. mira no. 4:8-9 '63.

JAPAN—DIAMONDS, INDUSTRIAL

Manufacture and use of diamond tools in Japan. N. N. Degtiarenko. Stan. i instr. 34 no. 7:38-41 Jl '63.

JAPAN—EDUCATION

Notes on education in Japan. M. Kirillov. Nar. obr. no. 8:98-101 Ag '63.

JAPAN—FEUDALISM

Gal'perin, A. L. [Studies on the social and political history of Japan in the period of late feudalism] Ocherki sotsial'no-politicheskoi istorii IAponii v period pozdnego feodalizma. Moskva, Izd-vo vostochnoi lit-ry, 1963. 197 p.

JAPAN—MILITARY BASES, AMERICAN

Yankee, go home! [with English summary in insert]. Az. i Afr. sog. no. 8:36-37 Ag '63.

JAPAN—MILITARY POLICY

Samurai regiments again. P. Krainov. Az. i Afr. sog. no. 8:59-60 Ag '63.

JAPAN—RAILROADS

Japanese high-speed railroad line Tokio-Osaka. IU. I. Zelenskii, S. M. Serdinov. Zhel. dor. transp. 45 no. 8: 83-87 Ag '63.

JAPAN SEA—DREDGING (BIOLOGY)

Seven-hundred hours at the bottom of the Sea of Japan. M. Petrova. Zvezda no. 6:145-146 Je '62.

JAPAN SEA—OCEAN TEMPERATURE

Turbulence coefficient of the temperature conductivity of the Sea of Japan. N. G. Vasilkova. Izv. AN SSSR, Ser. geofiz. no. 8:1259-1269 Ag '63.

JAPANESE HISTORIANS see Historians, Japanese

JAPANESE LITERATURE—HISTORY AND CRITICISM

Remarks on contemporary Japanese literature. Kisida Yasumasa. Zvezda no. 6 121-124 Je '62

JAUNDICE

Clinical evaluation of the determination of ether-soluble bilirubin for differential diagnosis in jaundices of various etiology. E. D. Polumordvinova, M. P. Sedlovets, T. M. Guseva. Kaz. med. zhur. no. 3:85-86 My-Je '63

JAVA—LAND TENURE

Rural commune in Java at the end of the 19th and first half of the 20th century. E. A. Lalaiants. Mat. Vost. kom. Geog. ob-va SSSR no. 1:18-21 '62

JAVANESE POETRY—HISTORY AND CRITICISM

Rongowarsito, a classic of Javanese literature. N. Mitrofanov. Az. i Afr. sovr. no. 8:46 Ag '63.

JAWS—SURGERY

Closure of postoperative defects of the upper jaw. M. IA. TSypin. Zdravookhranenie 6 no. 1:59 Ja-F '63.

JERUSALEM ARTICHOKE

Photoperiodism of the Jerusalem artichoke. G. V. Ustimenko, Z. I. Usanova. Dokl. TSKHA no. 62 99-101 '61.

JETS—FLUID DYNAMICS

Reduction of the reactive jet action on the control element. IU. I. Ivlichev, E. A. Ismiev. Priborostroenie no. 7:6-9 Jl '63.

Turbulent pulsations in a liquid jet and its atomization. G. P. Skrebkov. PMTF no. 3:79-83 My-Je '63

JOANNES XXIII, Pope, 1881-1963

Heritage of the good will of John XXIII. A. Krasikov. Nauka i rel. 4 no. 7:46-48 Jl '63.

News from everywhere. Zhen. mira no. 5:4-5 '63.

JOINERY

Joints in carpentry. Stroitel' 9 no. 5 27-28 My '63.

JOINTS

Morphology of the shoulder and hip joints in contemporary and Neanderthal man. E. N. Khrisanfova, D. A. Mallavskaia. Vop. antr., no. 12 15-30 '62.

JOINTS—DISEASES

Tonsillectomy in arthropathic psoriasis. I. F. Vovk, P. A. Testemitsanu. Zdravookhranenie 6 no. 1:57-58 Ja-F '63

JOINTS (GEOLOGY)

(see also subdivision under Kurgan Valley, Kuznetsk Basin)

Determination of the elements in the position of joints in using open-pit and underground methods of working iron ore deposits. M. L. Rudakov, V. G. Zoteev, L. V. Mozhaev. Trudy Inst. gor. dela UFAN SSSR no. 5:107-111 '63.

JOURNALISM

Zapadov, A. V., ed. [History of Russian journalism in the 18th and 19th centuries] Istoriia russkoi zhurnalistiki XVIII-XIX vekov. [By] V. G. Berezina i dr. Moskva, Vysshaia shkola, 1963 515 p.

JOURNALISM, AGRICULTURAL see subdivision under Kazakhstan

JUDGES see subdivision under Leningrad

JUDICIAL ERROR

A "dissenting opinion." E. Blagodarnyi. Sov. iust. no. 14:26 Jl '63.

You cannot justify a judicial error. L. Karneeva. Sots. zakon. 40 no. 6:46-49 Je '63.

JÜNGER, ERNST, 1895-

Against the ideology of revenge. A. Karel'skii. Vop. lit. 7 no. 7:216-220 Jl '63.

JUMPING

(see also subdivision under Georgia)

Main factor in sports. Valerii Brumel'. Zdorov'e 9 no. 5:25-26 My '63.

Measuring jumping ability. A. IA. Shekhtel'. Teor. i prak. fiz. kul't. 26 no. 6:73-74 Je '63.

JUNCTION TRANSISTORS

Calculation of currents in an alloyed semiconductor triode. A. S. Maidanovskii. Izv. vys. ucheb. zav., fiz. no. 4:161-165 '63.

More on the effect of the base thickness modulation in alloyed semiconductor triodes. M. N. Gushchin. Izv. vys. ucheb. zav.: fiz. no. 4:157-160 '63.

New method for determining short lifetimes in p - n-junctions. E. I. Adirovich, A. N. Gubkin, B. D. Kopylovskii. Trudy Fiz. inst. 20 126-171 '63.

Some results of studying electroluminescence in p-n junctions of silicon carbide. IU. S. Blank, IU. A. Vodnakov, A. A. Mostovskii. Fiz. tver. tela 5 no. 8 2220-2229 Ag '63.

Use of an emission electron microscope in measuring the potential distribution in a p-n junction. N. N. Sedov, G. V. Spivak, V. G. Diukov. Izv. AN SSSR, Ser. fiz. 27 no. 9:1178-1183 S '63.

JUNIPER see subdivision under Carpathian Mountains

JUSTICE, ADMINISTRATION OF

(see also subdivision under Abkhazia, Priargunsk District, Sverdlovsk Province)

A conference of the chairmen of the judicial collegiums for criminal cases of the supreme courts of the Union Republics. Biul. Verkh. Suda no. 3:40-43 '63.

Education of Soviet citizens is the objective of Soviet justice. Sov. iust. no. 12:1-2 Je '63.

From the experience of the councils of people's assessors. Biul. Verkh. Suda no. 3:44-45 '63.

Information bulletin on the current plenary session of the Supreme Court of the U. S. S. R. Biul. Verkh. Suda no. 1:3-4 '63.

Leading role of the Communist Party in ensuring a strict observance of Soviet laws. I. Pavlov. Sots. zakon. 10 no. 7:3-9 Jl '63

Legislative enactments of the Union Republics. Biul. Verkh. Suda no. 4:36, 43 '63

A study of legal ways to enforce a strict observance of Soviet socialist laws. P. E. Nedbailo. Sov. gos. i pravo 33 no. 9:147-150 S '63.

V. I. Lenin on socialist legality and the objectives of Soviet public prosecutors. R. D. Rakhunov. Vop. krim. no. 6/7 3-14 '62.

JUVENILE AUTOMOBILE DRIVERS

Green light for young drivers. B. Arkhipov, V. Rublikh. Komsom. zhizn' no. 15/16:59-60 Ag '63

JUVENILE DELINQUENCY

Decision No. 6 of the Plenum of the Supreme Court of the U. S. S. R. of July 3, 1963 "Judicial practice in juvenile delinquency cases." Biul. Verkh. Suda no. 4:5-12 '63.

Defense of juvenile delinquents. I. Vladimirov. Sov. iust. no. 12:16-18 Je '63.

A study of various reasons and conditions which contribute to juvenile delinquency. O. I. Morozov and others. Sov. gos. i pravo 33 no. 9:110-116 S '63.

Teaching law to school children is an important means for the prevention of juvenile delinquency. A. V. Plekhanov. Sov. gos. i pravo 33 no. 9:117-120 S '63.

KABARDINO-BALKAR A. S. S. R.—BEE CULTURE

Operation of the Kabardino-Balkar State Bee Breeding Station. P. I. Khadzhiev. Dokl. TSKHA no. 62:537-541 '61.

KABARDINO-BALKAR A. S. S. R.—ECONOMIC CONDITIONS

Shkhagoshev, Shota. [Communists of the Kabardino-Balkar A. S. S. R. in the struggle to improve the material well-being and to raise cultural level of the workers, 1953 to 1960] Kommunisty Kabardino-Balkarii v bor'be za povysheniie material'nogo blagosostoianiia i kul'turnogo urovnia trudiashchikhsia; 1953-1960 gg. Nal'chik, Kabardino-Balkarskoe knizhn. izd-vo, 1961. 111 p.
(CSt-il)

KABARDINO-BALKAR A. S. S. R.—LEPTOSPIROSIS

Natural nidus of Leptospira pomona in the Kabardino-Balkar A. S. S. R. [with summary in English]. N. M. Blagoveshchenskaia, V. F. Kondratenko, L. V. Zarubina. Zool. zhur. 42 no. 8:1147-1154 '63.

KACHALOV, NIKOLAI NIKOLAEVICH, 1883-

In memory of N. N. Kachalov. Vest. AN SSSR 33 no. 9:99-100 S '63.

KADNIKOV REGION—FOREST MANAGEMENT

Strip method for spruce and spruce-hardwood stands. E. N. Savin. Les. khoz. 16 no. 2:10-15 F '63.

KAFKA, FRANZ, 1883-1924

Are F. Kafka's ideals close to the ideas of R. Domanović's works? [with summary in English]. G. I. Safronov. Vest. LGU 18 no. 14:54-63 '63.

KAGARLYK DISTRICT—COLLECTIVE FARMS—MANAGEMENT

From the lagging to the leading ones. V. Martynovskii. Ekon. sel'khoz. 34 no. 7:48-54 Jl '63.

KAGARLYK DISTRICT—HARVESTING

A busy August. Vadym Pepa. Ukraina no. 19:6 Ag '63.

KAGARLYK REGION—FIELD CROPS

Experiments at the Kagarlyk Regional Administration in the introduction of the achievements of science and advanced practices in agriculture. M. K. Pavlenko. Visnyk sil'hosp. nauky 6 no. 8:8-17 Ag '63.

KALACH DISTRICT—FARM PRODUCE—MARKETING

How to calculate the marketability of collective farm production. V. V. Kashurin. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 8:33-34 Ag '63.

KALACHEVS'KYI, MYKHAILO MYKOLAIOVYCH, 1851-1910

Horodichuk, M. M. ["Ukrainian symphony" by M. Kalachevs'kyi] "Ukraina'ka symfonila" M'Kalachevs'koho. Kyiv, Derzh. vyd-vo "Mystetstvo," 1963. 32 p. (Liubyteliam muzyky)

KALINKOVICHI DISTRICT—DAIRYING

The right track. IU. Poliak. Rab. i sial. 39 no. 8:6-7 Ag '63

KALMYK A. S. S. R.—AGRICULTURE—ACCOUNTING

Disorders in payments. M. N. Dudnev. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 9:32-34 S '63.

KALMYK A. S. S. R.—DESCRIPTION AND TRAVEL

Savchenko, A. A. [Kalmyk A. S. S. R.; a brief account] Sovetskaia Kalmykiia, kratkii ocherk. [Ellista], Kalmgosizdat, 1962. 43 p.
(CSt-il)

KALUGA DISTRICT—LABOR COURTS

Work of the Council of Fellow Workers' Courts. I. Popov. Sots. zakon. 10 no. 7:76 Jl '63.

KALUGA PROVINCE—COLLECTIVE FARMS—ACCOUNTING

Accounting on the collective farms of Kaluga Province has not been adjusted. N. A. Pozin. Uchet i fin. v kolkho. i sovkhoz. 20 no. 5:10-11 My '63.

KAMCHATKA—BOTANY

Geographical distribution of polyploid species of plants; study of the flora of Kamchatka [with summary in English]. A. P. Sokolovskaia. Vest. LGU 18 no. 15:30-52 '63.

KAMCHATKA—FIREMEN

He is from Kamchatka. A. Chukreev. Pozh. delo 9 no. 8:19 Ag '63.

KAMCHATKA—FOREST SOILS

Zonn, S. V., I. O. Kalpachevskii, and V. V. Stesin. [Forest soils of Kamchatka] Lesnye pochvy Kamchatki. Moskva, Izd-vo Akad. nauk SSSR, 1963. 252 p.

KAMYSHA-GERMAN LANGUAGE—DIALECTS

Adjective in the German dialect of the village of Kamysha in the Altai. A. I. Kuz'mina. Uch. zap. TGPI 20 no. 2:93-101 '62.

KANDALAKSHA BAY—THREE-SPINED STICKLEBACK

Feeding habits of adult three-spined stickleback (Gasterosteus aculeatus L.) in the Kandalakshsha Bay of the White Sea. S. A. Abdel'-malek. Nauch. dokl. vys. shkoly; biol. nauki no. 3:31-36 '63.

KANSK-ACHINSK BASIN—COAL GEOLOGY

Basic rhythms in a cross section of the Upper Jurassic in the western Kansk-Achinsk coal basin. V. V. Lavrov. Dokl. AN SSSR 151 no. 1:175-177 Jl '63.

KARA-KALPAK A. S. S. R.—ARMYWORMS—EXTERMINATION

Forecasting outbreaks of Laphygma exigua. L. Shin. Zashch. rast. ot vred. i bol. 8 no. 7:42-43 Jl '63.

KARA-KALPAK A. S. S. R.—COTTON—DISEASES AND PESTS

Forecasting outbreaks of Laphygma exigua. L. Shin. Zashch. rast. ot vred. i bol. 8 no. 7:42-43 Jl '63.

KARA-KALPAK A. S. S. R.—COTTON GROWING

Struggle of the Kara-Kalpak party organization for the over-all mechanization of cotton growing, 1950-1960. A. Tureev. Nauch. trudy TashGU no. 207:97-106 '62.

KARA-KALPAK A. S. S. R.—WOMEN—RIGHTS OF WOMEN

Efforts of the Kara-Kalpak party come the surviving traces of relations in everyday life. Z. TashGU no. 207:31-46 '62.

KARA-KUL', LAKE—PALEOBOTANY

Remains of the Upper Quaternary Kul' in the Pamirs. M. S. Zori flory Kazakh. 4:229-233 '63.

KARA KUM—MAMMALS

Mammalian fauna of the southeast changes caused by the construct Canal [with summary in Englis Zool. zhur. 42 no. 8:1232-1244

KARA KUM—MAN—INFLUENCE

Mammalian fauna of the southeast changes caused by the construct Canal [with summary in Englis Zool. zhur. 42 no. 8:1232-1244

KARA KUM—MITES

New species of mites of the fami southeastern Kara Kum (Gamas M. A. Meledzhaeva. Izv. AN Tu no. 4:49-55 '63.

KARA KUM—RECLAMATION OF

Notes. A. E. Fersman. Zvezda

KARA KUM CANAL REGION—SANDY SOILS

Some characteristics of the moisture content of sands along the shores of the Kara Kum Canal. I. P. Syntsov, M. Koshunov. Izv. AN Turk SSR Ser. biol. nauk no 4 26-29 '63

KARA KUM CANAL REGION—SOIL MOISTURE

Some characteristics of the moisture content of sands along the shores of the Kara Kum Canal. I. P. Syntsov, M. Koshunov. Izv. AN Turk. SSR. Ser. biol. nauk no 4 26-29 '63.

KARA KUM CANAL REGION—WATER FERNS

Salvinia natans(L.) All. in the bodies of water of the Kara Kum Canal. S. Agamamedov. Izv. AN Turk SSR Ser. biol. nauk no 1, 85-86 '63.

KARA SEA—CYCLONES

Cyclone regeneration conditions in the Kara Sea area during the navigation period. D. I. Parlov. Probl. Arkt. i Antarkt. no. 13 125-128 '63.

KARADAG MOUNTAIN—MONTMORILLONITE

Epimagmatic montmorillonite from tuff breccia of paleolipar'ite in Karadag (Crimea). N. N. Makarov, V. A. Suprychev. Dokl. AN SSSR 151 no. 1, 181-184 Jl '63.

KARAGANDA—COAL MINES AND MINING—HYGIENE ASPECTS

Calisthenics in a coal mine. Iu. A. Khairova, I. P. Shevelev, S. M. Mukanova. Teor. i prak. fiz. kul't 26 no. 6 47-48 Je '63

KARAGANDA—COAL MINES AND MINING—SAFETY REGULATIONS

Voluntary inspector. M. Afanas'ev. Sov. shakht. 12 no. 6 41 Je '63.

KARAGANDA BASIN—COAL MINES AND MINING—MANAGEMENT

Dedicate your life to the most important matters. I. Shnaidman. Part. zhizn' Kazakh. 33 no. 4:29-32 Ap '63.

KARAGANDA BASIN—GEOLOGY, STRATIGRAPHIC

Devonian stratigraphy of the Karaganda Basin. O. A. Seidalin. Izv. AN Kazakh SSR Ser. geol. nauk no 4 33 40 '63.

KARAGANDA PROVINCE—AUDITING AND INSPECTION

Helpers as well as controllers. G. Isachenko. Part. zhizn' Kazakh. 33 no. 8 56-60 Ag '63

KARAGANDA PROVINCE—SOCIALIST COMPETITION

Daily guidance of the movement for communist labor. Kh. Abdrakhmanov. Part. zhizn' Kazakh. 33 no. 4: 51-55 Ap '63.

KARAGASSES

Tofalaria. Kult. i zhizn' 7 no. 5 12-15 '63.

KARAKUL SHEEP see subdivision under Kzyl Kum District

KARAULAKH RANGE—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Sinian and Cambrian sediments in the northern Karaulakh. V. A. Vinogradov. Sbor. st. po paleont. i bistrat. no. 26:5-23 '62.

KARELIA—FORESTS AND FORESTRY

Productivity of drained bogs in Karelia. G. E. Platetskii. Les. khoz. 16 no. 5:9-13 My '63

KARELIA—INSURANCE

We are drawing the participation of the activist group. N. Shilov. Fin. SSSR 37 no. 6:83 Je '63.

KARELIA—PEAT BOGS

Productivity of drained bogs in Karelia. G. E. Platetskii. Les. khoz. 16 no. 5:9-13 My '63.

KARELIA—PHACIDIUM

Preventive measures against the snow blight of pine in forest plantations of the taiga zone. I. S. Kosarinskaia. Les. khoz. 16 no. 6:39-41 Je '63.

KARELIA—PINE—DISEASES AND PESTS

Preventive measures against the snow blight of pine in forest plantations of the taiga zone. I. S. Kosarinskaia. Les. khoz. 16 no. 6:39-41 Je '63.

KARELIA—TRADE UNIONS—OFFICERS

We are drawing the participation of the activist group. N. Shilov. Fin. SSSR 37 no. 6:83 Je '63.

KARELIA—WOODWORKING INDUSTRIES—FINANCE

Applying dynamic programming. B. Suvorov. Plan. khoz. 40 no. 8:57-61 Ag '63.

KARELIAN ISTHMUS—CAMPS

Between two lakes. V. Nikolaev. Nar. obr. no. 6:74-79 Je '63.

KARGALYK DISTRICT—COLLECTIVE FARMS—ACCOUNTING

The institute aids collective farms. Iu. IA. Litvin. Uchet. i fin. v kolkhoz. i sovkhoz. 20 no. 9:38-40 S '63.

KARGAT—GRAIN ELEVATORS

Dispatcher control panel at a drying and cleaning tower. S. Pirozhkov. Muk.-elev. prom. 29 no. 3:8-9 Mr '63.

KARGER, MIKHAIL KONSTANTINOVICH, 1903-

M. K. Karger, on his 60th birthday. N. V. Ivanov. Vest. LGU 18 no. 11 155-156 '63

KARLOVY VARY, CZECHOSLOVAKIA—HEALTH RESORTS, WATERING PLACES, ETC.

Short trip to Karlovy Vary. Josef Hussig. Ogonek 41 no. 31 25 Jl '63.

KARLSBAD, CZECHOSLOVAKIA see Karlovy Vary, Czechoslovakia

KARPINSK REGION—STRIP MINING

Angles of incline of sides being worked in the Bogoslovskii pits. I. I. Popov. Trudy Inst. gor. dela Ul AN SSSR no. 5:113-116 '63.

KARTING

New trends in karting. Za rul. 21 no. 5:27 My '63.

KARYOKINESIS

Autoradiographic study of the length of periods of the mitotic cycle in cells of shapeless areolar connective tissue under normal conditions. N. G. Khrushchev. Dokl. AN SSSR 151 no. 5 1201-1203 Ag '63

Characteristics of the isoelectric point of the nucleolus, nucleus and protoplasm in cells of the apical cones of wheat and the mitotic activity of the cells. E. P. Chel'tsova. Dokl. AN SSSR 152 no. 1, 198-201 S '63.

Metaphase of the first maturation division in the oocytes of sturgeons. T. A. Detlaf, S. I. Zuichenko. Dokl. AN SSSR 152 no. 1:246-248 S '63.

Studying the mitotic cycle in marrow cells of mice by the method of radioautography. A. I. Zosimovskaia. Dokl. AN SSSR 151 no. 3 687-690 Jl '63.

KASHIRA—ELECTRIC POWER PLANTS

Tale about a great man. N. Anov. Part. zhizn' Kazakh. 33 no. 1:5-8 Ap '63.

KASHKA DARYA PROVINCE—AGRICULTURE, COOPERATIVE

Socio-economic and political prerequisites of the complete collectivization of agriculture in Kashka Darya Province, 1917-1929. F. Dzhumabaev. Nauch. zap. i soob. Otd. obshchestv. nauk AN Uz. SSR 5:159-165 '62

KAS'IAN, MARTYN VAGANOVICH

Scientist, teacher, social worker. N. Pakov. NTO 5 no. 5 37-39 Je '63.

KASIMOV—HAND WEAVING

Sysoeva, N. I. [Kasimov fancy weaving of the 19th and beginning of the 20th century] Kasimovskoe uzornoe tkachestvo XIX-nachala XX vv. Moskva, Gos. izd-vo mestnoi promyshl. i khudozh. promyslov RSFSR, 1963. 24 p. illus.

KATON-KARAGAY DISTRICT—ENCEPHALITIS

Tick-borne encephalitis in eastern Kazakhstan. S. I. Rybalko, E. F. Petrova, E. T. Prikhod'ko. Trudy Inst. zool. AN Kazakh. SSR 19:234-237 '63

KATON-KARAGAY DISTRICT—TICKS AS CARRIERS OF DISEASE

Tick-borne encephalitis in eastern Kazakhstan. S. I. Rybalko, E. F. Petrova, E. T. Prikhod'ko. Trudy Inst. zool. AN Kazakh. SSR 19:234-237 '63.

KAUSHANY—CANNING INDUSTRY

Construction of the Kaushany Canning Plant. V. V. Bogdankevich, B. R. Lur'e. Kons. i ov. prom. 18 no. 7:15-17 Jl '63.

KAZAKH LANGUAGE—DICTIONARIES, POLYGLOT

Dictionary of plant names of the family Leguminosae. S. A. Arystangaliev. Trudy Inst. bot. AN Kazakh SSR 15:237-260 '63

KAZAKH LITERATURE—HISTORY AND CRITICISM

Portraits of communists in Soviet Kazakh literature. I. Gabdirov, R. Berdibaev. Part. zhizn' Kazakh. 33 no. 8 71-75 Ag '63.

KAZAKHSTAN—AGRICULTURAL ADMINISTRATION

Effective implementation of the Leninist principles of party and governmental control. G. A. Kozlov. Vop. ist. KPSS 3 no. 8:17-27 Ag '63.

KAZAKHSTAN—ANIMAL INTRODUCTION

Changes in the parasite fauna of animals acclimatized in Kazakhstan. E. V. Gvozdev, A. I. Agapova. Trudy Inst. zool. AN Kazakh. SSR 19:65-71 '63.

KAZAKHSTAN—ANTELOPES, FOSSIL

Find of a Tauric antelope in the Hipparion fauna of Kazakhstan. L. T. Musakulova. Mat. po ist. fauny i flory Kazakh. 4:206-209 '63.

KAZAKHSTAN—ART

Akademiia nauk Kazakhskoi SSR, Alma-Ata, Institut literatury i iskusstva. [Fine arts of Kazakhstan] Izobrazitel'noe iskusstvo Kazakhstana. [Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963] 377 p.
(MH)

KAZAKHSTAN—ART INDUSTRIES

Art and mode of life. O. Dzhusupova. Part. zhizn' Kazakh. 33 no. 7:70-73 Jl '63.

KAZAKHSTAN—AUDITING AND INSPECTION

Efficient and operative in the Leninist way. A. Fuzeva. Part. zhizn' Kazakh. 33 no. 1:20-23 Ap '63.

In the committees of party-government control. Part. zhizn' Kazakh. 33 no. 8 60 Ag '63

KAZAKHSTAN—BANKS AND BANKING

State Bank's role in developing the Kazakhstan economy. V. Bondarenko. Den. i kred. 21 no. 8 25-30 Ag '63.

KAZAKHSTAN—BITING MIDGES

Shakirzianova, M. S. [Biting midges of Kazakhstan (Diptera, Heleidae)] Krovososushchie mokretsy Kazakhstana (Diptera, Heleidae). Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 120 p.

KAZAKHSTAN—BRECCIA

"Autoimagmatic" breccia in Kazakhstan. Sov. geol. 6 no. 8:119-123 Ag '63.

KAZAKHSTAN—CAMELS, FOSSIL

Additional data on ancient camels of Kazakhstan. B. S. Kozhamkulova. Mat. po ist. fauny i flory Kazakh. 4:31 '63

KAZAKHSTAN—CESTODA

New species of cestodes from the swans of Kazakhstan. A. P. Maksimova. Trudy Inst. zool. AN Kazakh. SSR 19:126-132 '63.

KAZAKHSTAN—COLLECTIVE FARMS—INTERFARM COOPERATION

Tkachev, S. I. [Development of interfarm cooperation in Kazakhstan] Razvitie mezhkolkhoznykh proizvodstvennykh sviazei v Kazakhstane. Alma-Ata, Kazakhskoe gos. izd-vo, 1963. 98 p.
(MH) (NIC)

KAZAKHSTAN—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

All ideological work must be organized in the Leninist way. Part. zhizn' Kazakh. 33 no. 7 14-46 Jl '63

Party news. Part. zhizn' Kazakh. 33 no. 1:77-78 Ap '63.

KAZAKHSTAN—CONSTRUCTION WORKERS

Planet "virgin soil" attracts them. Ill. kaverin. Ogonek 41 no. 30 20-21 Jl '63.

KAZAKHSTAN—CORN (MAIZE)

Effect of aldrin on the germination of seeds of some corn varieties. Zh. L. Lukpanov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 5, 43-45 My '63.

KAZAKHSTAN—CORN (MAIZE)—IRRIGATION

Characteristics of the growth and the formation of corn and soybean crops grown in mixed stands in irrigated fields. P. M. Baranovskii, K. N. Zhaltibaev. Vest. sel'khoz. nauki [Kazakh.] 6 no. 6:21-26 My '63.

KAZAKHSTAN—COWS—FEEDING AND FEEDS

Effectiveness of feeding carbamide and defluorinated Kara-Tau phosphate to milk cows. V. A. Ignat'ev, A. K. Roslikov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 5 50-55 My '63.

KAZAKHSTAN—DESERT FLORA

Some fragments of the vegetation of the deserts of Central Asia in Kazakhstan. L. IA. Kurochkina. Trudy Inst. bot. AN Kazakh SSR 15 3-43 '63

KAZAKHSTAN—EDUCATION

Tazhibaev, T. T. [Education and schools in Kazakhstan during the second half of the nineteenth century] Prosveshchenie i shkoly Kazakhstana vo vtoroi polovine XIX veka. Alma-Ata, Kazakhskoe gos. izd-vo polit. lit-ry, 1962. 506 p.
(NIC)

KAZAKHSTAN—ELECTRIC PROSPECTING

Natural electric fields in central Kazakhstan ore deposits. A. K. Auzin. Uch. zap. LGU no. 320 100-121 '63.

KAZAKHSTAN—ELEPHANTS, FOSSIL

Fossil remains of elephants from the collections of the Institute of Zoology of the Academy of Sciences of the Kazakh S. S. R. K. Zh. Zhylkibaev. Mat. po ist. fauny i flory Kazakh. 4, 66-76 '63.

KAZAKHSTAN—FERTILIZERS AND MANURES

Fertilizing system based on agrochemical mapping of soils. A. L. Nakhmanovich, A. T. Ponomareva. Zemledelie 25 no. 9:42-46 S '63.

KAZAKHSTAN—FILARIA AND FILARIASIS

Infestation of greater gerbils by the filaria Litomoza vitae Kropkogurskaia, 1933 in southern Kazakhstan. I. A. Fetisova. Trudy Inst. zool. AN Kazakh. SSR 19:93-96 '63.

KAZAKHSTAN—FISHERIES

Present state and the problem of rational management of fisheries in the bodies of water of Kazakhstan. P. F. Martekhov. Trudy Inst. ikht. i ryb. khoz. AN Kazakh. SSR 4:57-68 '63.

KAZAKHSTAN—FISHERY LAW AND LEGISLATION

Fishing regulations and the tasks of control and fishing organizations of Kazakhstan. K. K. Kulenov. Trudy Inst. ikht. i ryb. khoz. AN Kazakh. SSR 4:195-201 '63

KAZAKHSTAN—FOOD INDUSTRY
Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut ekonomiki [Food industry of Kazakhstan] Pishchevaia promyshlennost' Kazakhstana. Alma-Ata, Izd-vo AN KazSSR, 1963. 172 p.

KAZAKHSTAN—GAS, NATURAL—GEOLOGY
Tectonics of troughs in southern Kazakhstan in relationship with oil and gas potentials. A. G. Novikov, F. G. Smitsyn, G. P. Filipiev. Izv. AN Kazakh SSR Ser. geol nauk no. 4 3-14 '63.

KAZAKHSTAN—GEOGRAPHICAL SOCIETIES
The tenth anniversary of the Kazakhstan Branch of the Geographical Society of the U. S. S. R. E. M. Konobritskaia. Izv. Vses. geog. ob-va 95 no. 4, 390-392 Jl-Ag '63.

KAZAKHSTAN—GEOLOGY—MAPS
Effectiveness of surface magnetic prospecting in geological mapping of closed areas in central Kazakhstan. M. M. Dzhanaev. Izv. AN Kazakh. SSR Ser. geol nauk no. 1, 89-95 '63.

KAZAKHSTAN—GRAIN
Planting winter crops on stubble. I. V. Borzakovskii. Zemledelie 25 no. 7 11-19 Jl '63.

KAZAKHSTAN—GRAIN—TRANSPORTATION
Rubinshtein, B. I. [Grain transportation, from the practices of the Kustanay Section of the Kazakh Railroad] Opyt perevozok zerna, iz praktiki Kustanaiskogo otdeleniia Kazakhskoi dorogi. Moskva, 1963. 30 p.

KAZAKHSTAN—HEALTH RESORTS, WATERING PLACES, ETC.
Zamiatin, S. I. [Health resorts of Kazakhstan] Kurorty Kazakhstana. Alma-Ata, Kazgosizdat, 1962. 202 p. (DNLM)

KAZAKHSTAN—HISTORIOGRAPHY
A useful book. O. Kuliev, E. N. Kuprikova. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 3:97-101 '63.

KAZAKHSTAN—ICE FISHING
Rationalization of ice fishing in the bodies of water of Kazakhstan. D. Amangaliev. Trudy Inst. ikht. i rybn. khoz. AN Kazakh SSR 4:190-194 '63.

KAZAKHSTAN—INDUSTRIAL MANAGEMENT
Effective implementation of the Leninist principles of party and governmental control. G. A. Kozlov. Vop. ist. KPSS 7 no. 8 16-27 Ag '63.

KAZAKHSTAN—INDUSTRIES
State Bank's role in developing the Kazakhstan economy. V. Bondarenko. Den. i kred. 21 no. 8, 25-30 Ag '63.

KAZAKHSTAN—JOURNALISM, AGRICULTURAL
Consequences of superficiality. A. Sarsenbaev. Part. zhizn' Kazakh. 33 no. 8:76-80 Ag '63.

KAZAKHSTAN—LEGUMINOSAE
Dictionary of plant names of the family Leguminosae. S. A. Arystangaliev. Trudy Inst. bot. AN Kazakh SSR 15 237-260 '63.

KAZAKHSTAN—LOCAL GOVERNMENT
A problem that needs further investigation. M. Kozybaev, V. Savost'ko. Part. zhizn' Kazakh. 33 no. 8:76-78 Ag '63.

KAZAKHSTAN—MACHINERY INDUSTRY
Problems concerning the development of the machinery industry in Kazakhstan. T. Ashimbaev. Part. zhizn' Kazakh. 33 no. 8:61-67 Ag '63.

KAZAKHSTAN—MAGNETIC PROSPECTING
Effectiveness of surface magnetic prospecting in geological mapping of closed areas in central Kazakhstan. M. M. Dzhanaev. Izv. AN Kazakh. SSR. Ser. geol. nauk no. 4:89-95 '63.

KAZAKHSTAN—MALARIA—PREVENTION
Ecology of Anopheles maculipennis and the time for antimalarial measures in Kazakhstan. M. S. Pavlova, A. A. Pavlov. Trudy Inst. zool. AN Kazakh. SSR 19:209-219 '63.

KAZAKHSTAN—MICROLINE
Conditions governing the formation of microline in pegmatite veins of a region in Kazakhstan [with summary in English]. N. G. Sretenskaia. Geokhimiia no. 7: 667-672 Jl '63.

KAZAKHSTAN—MOSQUITOES—EXTERMINATION
Ecology of Anopheles maculipennis and the time for antimalarial measures in Kazakhstan. M. S. Pavlova, A. A. Pavlov. Trudy Inst. zool. AN Kazakh. SSR 19:209-219 '63.

KAZAKHSTAN—NONFERROUS METALS
Improving the quality of flotation concentrates in the processing of Kazakhstan complex metal ores. A. M. Fedchenko and others. TSvet. met. 36 no. 8:10-12 Ag '63.

KAZAKHSTAN—OPHIOLITES
Intrusive ophiolite complexes in western Kazakhstan. A. P. Mikhailov. Trudy VSEGEI no. 80:109-223 '62.

KAZAKHSTAN—ORE DEPOSITS
Lithology and formation of ore-enclosing rocks in the Atansor deposit (northern Kazakhstan). Iu. A. Serguko. Izv. AN Kazakh. SSR Ser. geol. nauk no. 4 71-82 '63.
Some geochemical characteristics of phosphorites and enclosing rocks in northern Kazakhstan. V. M. Poliakova. Min. syr'e no. 7 158-166 '64.

KAZAKHSTAN—PALEOBIOLOGY
Expeditions of the Department of Paleobiology and Natural History Museum of the Institute of Zoology of the Academy of Sciences of the Kazakh S. S. R. in 1961 - 1962. T. N. Narumov, P. F. Sovinov. Mat. po ist. fauny i flory Kazakh. 1:260-261 '63.
Holotypes preserved in the paleobiological collection of the Natural History Museum of the Institute of Zoology of the Academy of Sciences of the Kazakh S. S. R. in Alma-Ata. T. B. Orlovskaia. Mat. po ist. fauny i flory Kazakh. 1, 258-259 '63.

KAZAKHSTAN—PARASITES—GERBILS
Infestation of greater gerbils by the filaria Litomoza vitae Krepkogorskaia, 1933 in southern Kazakhstan. I. A. Fetisova. Trudy Inst. zool. AN Kazakh. SSR 19:93-96 '63.

KAZAKHSTAN—PARASITES—SWANS
New species of cestodes from the swans of Kazakhstan. A. P. Maksimova. Trudy Inst. zool. AN Kazakh. SSR 19:126-132 '63.

KAZAKHSTAN—PARASITES—WILD BOAR
Fauna of intestinal Protozoa of a wild boar (Sus scrofa L.) in southeastern Kazakhstan. R. N. Appasov. Trudy Inst. zool. AN Kazakh. SSR 19:58-59 '63.

KAZAKHSTAN—PEGMATITES
Conditions governing the formation of microline in pegmatite veins of a region in Kazakhstan [with summary in English]. N. G. Sretenskaia. Geokhimiia no. 7 667-672 Jl '63.

KAZAKHSTAN—PETROLEUM GEOLOGY
Tectonics of troughs in southern Kazakhstan in relationship with oil and gas potentials. V. G. Novikov, F. G. Smitsyn, G. P. Filip'ev. Izv. AN Kazakh SSR, Ser. geol nauk no. 4:3-14 '63.

KAZAKHSTAN—PHOSPHORITE
Some geochemical characteristics of phosphorites and enclosing rocks in northern Kazakhstan. V. M. Poliakova. Min. syr'e no. 7 150-166 '63.

KAZAKHSTAN—PLANT COMMUNITIES
Vegetation features of sections of the forest steppe of northeastern Kazakhstan. M. I. Nemtsov. Dokl. TSKHA no. 62:205-212 '61.

KAZAKHSTAN—PROTOZOA, PATHOGENIC
Fauna of intestinal Protozoa of a wild boar (Sus scrofa L.) in southeastern Kazakhstan. R. N. Appasov. Trudy Inst. zool. AN Kazakh SSR 19:58-59 '63.

KAZAKHSTAN—QUACK GRASS
Formation of couch grass in steppe and semidesert regions of Kazakhstan. O. M. Demina. Trudy Inst. bot. AN Kazakh SSR 15 82-91 '63.

KAZAKHSTAN—RAMS
Results of comparative judging of rams according to the quality of their progeny. A. I. Petrov, A. V. Metlitskii. Vest. sel'khoz. nauki [Kazakh.] 6 no. 5:48-50 My '63.

KAZAKHSTAN—RELIGION
In the hard way. E. Afanas'eva. Nauka i rel. 4 no. 7: 71-74 '63.

KAZAKHSTAN—RESEARCH, INDUSTRIAL
Government interests must come first. Part. zhizn' Kazakh. 33 no. 8, 68-70.

KAZAKHSTAN—RHINOCEROS, FOSSIL
Materials on the osteology of giant rhinoceros. P. F. Savinov. Mat. po ist. faun. 4:77-82 '63.

KAZAKHSTAN—RHUBARB
Anatomic structure of the rhubarb Rheum Lundstr. R. G. Medvedeva, L. A. Khov. bot. AN Kazakh. SSR 15:163-177 '63.
Anthraquinone dyes of Tatar rhubarb (R. L. Fil). K. V. Taraskina, T. K. Chumb. ucheb. zav.; khim. i khim. tekh. 6 no.

KAZAKHSTAN—RUSSIAN SOCIAL DEMOCRATIC
The first Marxist organizations in Kazakhstan. Tarov. Part. zhizn' Kazakh. 33 no.

KAZAKHSTAN—SEA BLITE
Formation of the sea blite Suaeda dendroides Moq. in southeastern Kazakhstan. Z. V. Trudy Inst. bot. AN Kazakh SSR 15:44

KAZAKHSTAN—SEED PRODUCTION
Regulating the production of sugar beet seed. I. A. Abugaliev, G. Z. Bitashev. Vest. sel'khoz. 6 no. 5:9-13 My '63.

KAZAKHSTAN—SERVICE INDUSTRIES—AUDITING AND INSPECTION
Financial organs' control over the consumer service industries. S. Khalitov, P. Varfolomeev. Fin. SSSR 27 no. 8:68-72 Ag '63.

KAZAKHSTAN—SOCIAL PROBLEMS
The duty of a communist. Th. Baimov. Part. zhizn' Kazakh. 33 no. 1:39-43 Ap '63.

KAZAKHSTAN—SOILS—COMPOSITION
Fertilizing system based on agrochemical mapping of soils. A. L. Nakhmanovich, A. T. Ponomareva. Zemledelie 25 no. 9 42-46 S '63.

KAZAKHSTAN—SOYBEAN—IRRIGATION
Characteristics of the growth and the formation of corn and soybean crops grown in mixed stands in irrigated fields. P. M. Baranovskii, K. N. Zhatibaev. Vest. sel'khoz. nauki [Kazakh.] 6 no. 5:21-26 My '63.

KAZAKHSTAN—STOCK AND STOCKBREEDING
Bal'mont, V. A., ed. [Breeds of farm animals in Kazakhstan] Porody sel'skokhoziaistvennykh zhivotnykh vyvedennye v Kazakhstane. Pod red. V. A. Bal'monta. Alma-Ata, Kazakhskoe Gos. izd-vo, 1960. 366 p. (WaU)

KAZAKHSTAN—SUGAR BEETS
Regulating the production of sugar beet seed. I. A. Abugaliev, G. Z. Bitashev. Vest. sel'khoz. nauki [Kazakh.] 6 no. 5:9-13 My '63.

KAZAKHSTAN—SUGAR INDUSTRY
Increase of labor productivity and reduction of labor expenditure is a most important task. A. S. Gal'perin. Sakh. prom. 37 no. 9 7-9 S '63.

KAZAKHSTAN—TEACHERS
Teacher! What a word it is,... G. Zadorozhnyi. Part. zhizn' Kazakh. 33 no. 4:55-57 Ap '63.

KAZAKHSTAN—UNIONIDAE, FOSSIL
Former distribution of naiads in Siberia and Kazakhstan. V. V. Bogachev. Mat. po ist. fauny i flory Kazakh. 1 211-217 '63.

KAZAKHSTAN—VETERINARY PARASITOLOGY
Changes in the parasite fauna of animals acclimatized in Kazakhstan. D. V. Ivozdev, A. I. Arapova. Trudy Inst. zool. AN Kazakh SSR 19:65-71 '63.

KAZAKHSTAN—WATER FERNS, FOSSIL
Genus Salvinia in Kazakhstan. V. S. Kornilova. Mat. po ist. fauny i flory Kazakh. 4,83-99 '63.

KAZAKHSTAN—WHEAT
Preceding crops for winter wheat in unimproved dry areas of southeastern Kazakhstan. E. M. Zenkova, G. O. Otarov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 5 37-42 My '63.

KAZAKHSTAN—WING NUT, FOSSIL
History of the genus Pterocarya in Kazakhstan. N. M. Makulbekov. Mat. po ist. fauny i flory Kazakh. 1 186-191 '63.

KAZAKHSTAN—WORMS, INTESTINAL AND PARASITIC
Helminths of wild boar (Sus scrofa L.) in Kazakhstan. V. A. Shul'. Trudy Inst. zool. AN Kazakh. SSR 19:97-100 '63.

KAZAKHSTAN—WORMWOOD
Guide to the wormwoods of Kazakhstan. N. S. Pulatova. Trudy Inst. bot. AN Kazakh. SSR 15:204-237 '63.

KENYA—ECONOMIC CONDITIONS

Kenya at the threshold of independence. A. Pegushev. Mir. ekon. i mezhdunar. otn. no. 8:89-91 '63.

KENYA—POLITICS AND GOVERNMENT

Kenya at the threshold of independence. A. Pegushev. Mir. ekon. i mezhdunar. otn. no. 8,89-91 '63.

KERAMZIT

Effect of the heat treatment of shale on the quality of a lightweight filler. V. V. Vershinina. Trudy Alt GMNII AN Kazakh. SSR 14:171-177 '63.

Effect of the speed of loading on the strength and deformations of keramzit concrete samples. D. V. Okridin. Izv. vys. uchab. zav., stroi. i arkhit. 6 no. 2:39-43 '63.

KERCH—GRAIN MILLING MACHINERY

Grinding and polishing machines at the groats shop of the Kerch Grain Products Combine. IA. Martynenko. Muk. - elev. prom. 29 no. 3:10-11 Mr '63.

KESSEL', MIRON ZINOV'EVICH, 1895-1962

Miron Zinov'evich Kessel', N. F. Burchak. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:191 Mr-Ap '63.

KETENE

Perfluorodimethylketene and perfluoromethacrylic acid. Report No. 1: Hexafluoroisobutyric acid halides from fluorinated ethers. I. L. Knunyants, IU. A. Cheburkov, M. D. Bargamova. Izv. AN SSSR. Ser. khim. no. 8:1389-1393 Ag '63.

Perfluorodimethylketene and perfluoromethacrylic acid. Report No. 2: Comparison of α-hydrohexafluoroisobutyric acid halides in the reaction with triethylamine. I. L. Knunyants, IU. A. Cheburkov, M. D. Bargamova. Izv. AN SSSR. Ser. khim. no. 8:1393-1397 Ag '63.

Perfluorodimethylketene and perfluoromethacrylic acid. Report No. 3: Comparison of haloanhydrides of α-halohexafluoroisobutyric acids in the reaction with zinc. IU. A. Cheburkov, E. I. Mysov, I. L. Knunyants. Izv. AN SSSR. Ser. khim. no. 9:1570-1572 S '63.

Perfluorodimethylketene and perfluoromethacrylic acid. Report No. 4: Pyrolysis of some derivatives of α-hydrohexafluoroisobutyric acid. IU. A. Cheburkov, I. L. Knunyants. Izv. AN SSSR. Ser. khim. no. 9:1573-1576 S '63.

KETONES

Effect of solvent on the liquid phase oxidation of ethyl alcohol and methyl ethyl ketone. G. E. Zaikov. Neftekhimiia 3 no. 3:381-389 My-Je '63.

Esters of β-ketophosphinic acids. Report No. 12: Structure of the products of interaction of some aromatic α-halo ketones with triethyl phosphite and sodium diethyl phosphite. B. A. Arbuzov and others. Izv. AN SSSR. Ser. khim. no. 8:1380-1389 Ag '63.

Formation of free radicals in the reaction of hydroperoxides with ketones. E. T. Denisov. Zhur. fiz. khim. 37 no. 8:1896-1899 Ag '63.

Hydrogenation of 2-methyl-5-acetylfuran in the liquid phase. N. I. Shuikin and others. Izv. AN SSSR. Ser. khim. no. 8:1475-1478 Ag '63.

Reaction of furan alcohols and their derivatives with α,β-unsaturated aldehydes and ketons. V. G. Glukhovtsev, S. V. Zakhariva, A. D. Petrov. Dokl. AN SSSR 151 no. 3:570-572 Jl '63.

Role of ketones as intermediate products in the formation of acids in liquid phase oxidation of hydrocarbons. L. K. Obukhova, N. M. Emanuel'. Neftekhimiia 3 no. 3:367-370 My-Je '63.

Some reactions of β -diketones of the perhydroindan series. L. N. Ivanova and others. Izv. AN SSSR. Ser. khim. no. 8:1438-1445 Ag '63.

Synthesis and the character of enolization of some β-diketones of the perhydroindan series. V. F. Kucherov and others. Izv. AN SSSR. Ser. khim. no. 8:1428-1438 Ag '63.

KETONES—SPECTRA

Some anomalies in vibrational spectra of α,β -unsaturated ketones. E. V. Sobolev, V. T. Aleksanian. Izv. AN SSSR Ser. khim. no. 7:1336-1339 Jl '63.

Study of some polyene ketones by the electron paramagnetic resonance method. B. A. Arbuzov, G. G. Butenko, IU. V. IAblokov. Izv. AN SSSR. Ser. khim. no. 8:1511-1514 Ag '63.

KETSKOVELI, VLADIMIR ZAKHAR'EVICH, 1876-1903

In the struggle for freedom. Z. Gegeshidze. Mol. komm. no. 8:101 Ag '63.

KHABAROVSK—OIL CAKE

Manufacture of toasted oil cakes in the Khabarovsk Oils and Fats Combine. V. V. Kliuchkin, N. I. Piltuk, G. M. Girin. Masl.-zhir. prom. 29 no. 7:35-39 Jl '63.

KHABAROVSK TERRITORY—FIREMEN

Beacon. I. Kosykh. Pozh. delo 9 no. 8:22 Ag '63.

KHABAROVSK TERRITORY—NATURE STUDY

Young naturalists study the nature of their homeland. V. S. Shaga. Biol v shkole no. 4:61-62 Jl-Ag '63.

KHARKOV—ELECTRIC EQUIPMENT INDUSTRY—TECHNOLOGICAL INNOVATIONS

Miroshnikov, P. S. [Utilization of internal production potentials, based on the practice of the Kharkov Electric Equipment Plant] Ispol'zovanie vnutriproizvodstvennykh rezervov, na opyte Khar'kovskogo elektromekhanicheskogo zavoda [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 84 p.

KHARKOV—FOOD MACHINERY

Thermal system TA-1 for the peeling of potatoes. A. S. Rovinskii, I. A. El'kin. Kons. i ov. prom. 18 no. 7:4-7 Jl '63.

KHARKOV—MACHINERY INDUSTRY

Shcherbinin, A. A. [Operating a drilling machine] U sverlil'nogo stanka [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1962. 12 p. (Udarniki kommunisticheskogo truda)

KHARKOV—TURBINES

Workers' initiative and norms. M. Sorokin. Sots. trud 8 no. 6:96-98 Je '63.

KHARKOV PROVINCE—COLLECTIVE FARMS—INCOME DISTRIBUTION

Improving wage forms for collective farmers. O. Vasyl'iev, T. Chulkov. Ekon. Rad. Ukr. no. 1:109-113 Jl-Ag '63.

KHARKOV PROVINCE—CONSTRUCTION INDUSTRY—LABOR PRODUCTIVITY

Index of labor productivity in construction. V. Bazhenov. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 5:81-87 '63.

KHARKOV PROVINCE—EDUCATION, PRESCHOOL

Pedagogical lectures in Kharkov Province. A. Korol'kova. Doshk. vykh. 21 no. 8:47 S '63.

KHARKOV PROVINCE—GRAIN—FERTILIZERS AND MANURES

Using 2,4-D together with fertilizers. N. IA. Nekrasov. Zemledelie 25 no. 9:56 S '63.

KHARKOV PROVINCE—WEED CONTROL

Using 2,4-D together with fertilizers. N. IA. Nekrasov. Zemledelie 25 no. 9:56 S '63.

KHERSON PROVINCE—AGRICULTURAL WORKERS

People go to the city. V. Matsuk. Mol. komm. no. 8:86-92 Ag '63.

KHERSON PROVINCE—HISTORY

Work of the editorial staff of the "History of the cities and villages of Kherson Province." V. M. Khalapsin, O. N. Korol'eva. Ukr. ist. zhur. 6 no. 3:100 My-Je '63.

KHEYSA ISLAND—AIRGLOW

Unusual airglow. V. I. Gerasimenko. Probl. Arkt. i Antarkt. no. 13:129-130 '63.

KHIBINY MOUNTAINS—BITUMEN—GEOLOGY

Concerning I. A. Petersil'e's article "Origin of hydrocarbon gases and disseminated bitumens in the Khibiny alkali massif" M. M. Elinson. Geokhimiia no. 2:188-189 F '63.

KHIBINY MOUNTAINS—HYDROCARBONS

Concerning I. A. Petersil'e's article "Origin of hydrocarbon gases and disseminated bitumens in the Khibiny alkali massif" M. M. Elinson. Geokhimiia no. 2:188-189 F '63.

KHIBINY MOUNTAINS—MERCURY ORES

Distribution of mercury in the rocks and minerals of the Khibiny massif. N. Kh. Aidinian, L. L. Shilin, G. A. Belavska. Trudy IGEM no. 99:16-25 '63.

KHIBINY MOUNTAINS—STRONTIUM

Distribution of strontium in alkali rocks and minerals of the Khibiny massif. L. L. Shilin, G. N. Muravitskaia, A. M. Sidorycheva. Trudy IGEM no. 99:165-176 '63.

KHIVA—MURAL PAINTING AND DECORATION

Wall and ceiling painting method of the Khiva artists. I. Notkin. Nauch. rab. i soob. Otd. obshchestv. nauk AN Uz. SSR 5:224-236 '62.

KHMEL'NIK REGION—ELECTRIC PROSPECTING

Practice of using combination electric profiling in the Khmel'nik area. IU. G. Gerasimov, V. K. Nalchuk. Geofiz. sbor. no. 4:55-60 '63.

KHOPER VALLEY—GEOLOGY, STRATIGRAPHIC

Neogene sediments of the Khoper-Buzuluk interfluve. A. B. Ostrovskii. Dokl. AN SSSR 151 no. 3:663-666 Jl '63.

KHOREZM PROVINCE—COLLECTIVE FARMS—INCOME DISTRIBUTION

We should try to develop the material self-interest of collective farmers. M. Khusanov. Komm. Uz. 35 no. 8:39-44 Je '63.

KHOREZM PROVINCE—COTTON GROWING

The effect of the crop yield of the cotton plant on the labor productivity level in cotton growing; based on the practice of collective farms in Khorezm Province. K. IAkubov. Nauch. rab. i soob. Otd. obshchestv. nauk AN Uz. SSR 5:340-350 '62.

The harvest will be abundant. A. Mallants. Uzbekistan 22 no. 8:5 Ag '63.

KHOREZM PROVINCE—RECLAMATION OF LAND

Profitable, expedient and cheap. A. Ilnchinskii, T. Sartsev. Nar. khoz. Uzb. 5 no. 8:30-35 Ag '63.

KHOTIN—HISTORY

From the history of the Khotin Fortress. B. O. Tvorshchuk. Ukr. ist. zhur. 6 no. 3:103-105 My-Je '63.

KHRUSHCHEV, NIKITA SERGEEVICH, 1894-

Important contribution to the theory and practice of the building of communism. I. Gorlanov. Sots. trud 8 no. 6:10-19 Je '63.

A textbook of heroic deeds. B. Zheleznov. Mol. kurs. no. 7:34-40 Jl '63.

KHRUSHCHEVA, NINA PETROVNA, 1900-

Our meetings with Nina Petrovna. Carla Wurdack. Ukraina no. 20,12 Ag '63.

KHVALYNSK REGION—PALEONTOLOGY

Petrified traces. A. M. Viktorov. Priroda 52 no. 8:1 - 103 Ag '63.

KIDNEYS—CANCER

Diagnosis and treatment of kidney tumors in children. Z. M. Portnov. Zdravookhranenie 6 no. 1:30-35 Ja F '63.

KIDNEYS—DISEASES

Results of therapeutic gymnastics during the convalescent stage of acute nephritis. A. A. Leporskii. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:434-438 S-O '62.

Tissual catechol amines in chronic renal hypertension [with summary in English]. C. Heymans, A. F. De Schaepdryver, A. C. Taquini. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:200-205 '63.

Treatment of chronic pyelonephritis [with summary in English]. L. P. Belinskaia, V. D. Vol'fovskii. Vrach. delo no. 8:45-50 Ag '63.

KIEV—AIR, IONIZED

Ionization of the air in a forest of the Kiev suburban resort zone. Report No. 1. E. S. Lakhno, O. N. Nichkevich, A. N. Sverchkov. Vop. kur. fizioter. i lech. fiz. kul't. 28 no. 2:123-126 Mr-Ap '63.

Ionization of the air in the forests of the Kiev suburban resort zone. Report No. 2. A. N. Sverchkov, E. S. Lakhno. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2. 126-130 Mr-Ap '63.

KIEV—HEALTH RESORTS, WATERING PLACES, ETC.

Ionization of the air in a forest of the Kiev suburban resort zone. Report No. 1. E. S. Lakhno, O. N. Nichkevich, A. N. Sverchkov. Vop. kur. fizioter. i lech. fiz. kul't. 28 no. 2:123-126 Mr-Ap '63.

Ionization of the air in the forests of the Kiev suburban resort zone. Report No. 2. A. N. Sverchkov, E. S. Lakhno. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2 126-130 Mr-Ap '63.

KIEV—MEDICINE—STUDY AND TEACHING

Materialistic orientation in the scientific and pedagogical work of the medical scientists of the Kiev University. R. IA. Beniumov. Vrach. delo no. 6:148-150 Je '63.

KIEV—MONUMENTS

Sad story of Bogdan Khmel'nitskii's monument. IU. Kolesnychenko. Ukraina no. 15,8 Jl '63.

KIEV—STATISTICS, MEDICAL

Hospitalization of patients with individual diseases (according to data of a thorough study of the incidence of disease among the Kiev population). R. IU. Zhuravel' IAkobson. Zdrav. Ros. Feder. 7 no. 7:24-27 Jl '63.

KIEV—THEATER

Performances and actors. Alla Spyrydonova. Ukraina no. 14,4 Jl '63.

KIEV—TUBERCULOSIS—PREVENTION

X-ray examinations in preventive examinations for the purpose of detecting tuberculosis in adults and children. M. E. Limanskii. Vrach. delo no. 6:118-119 Je '63.

KIEV—WORLD WAR, 1939-1945

"Kiev, a heroic city" by D. F. Grigorovich, S. N. Sazhenyuk, H. IA. Serhiienko. Ukr. ist. zhur. 6 no. 3:133-134 My-Je '63.

Trying years. N. Butsko. Komm. Ukr. 38 no. 6:94-96 Je '63.

KIEV ECONOMIC REGION—ECONOMIC GEOGRAPHY

First book on the specialization and comprehensive development of an economic region of the Ukraine. M. Palamarchuk. Ekon. Rad. Ukr. no. 4:116-119 Jl-Ag '63.

KIEV PROVINCE—DRAINAGE

Mole drainage without artificial downgrade. O. V. Skrypnyk. Visnyk sil'hosp. nauky 6 no. 8:86-92 Ag '63.

KIEV PROVINCE—FINANCE
Problems which should be solved. I. Totskii. Fin. SSSR 37 no. 6:56-57 Je '63.

KIEV PROVINCE—INDUSTRIAL MANAGEMENT
Effective reorganization of the party guidance of industry. V. I. Drozdenko. Ukr. ist. zhur. 6 no. 3 3-13 My-Je '63.

KIEV PROVINCE—MACHINERY INDUSTRY
Technological progress and repair production in machinery manufacturing. S. Pokropivnyi Nauch. dokl. vys. shkoly, ekon nauki 6 no. 5:47-55 '63.

KIIN-KERISH, MOUNT—ANGIOSPERMS, FOSSIL
New species of angiosperms from the Upper Cretaceous of Mount Kiin-Kerish (Zaysan Depression). F. V. Romanovka. Mat. po ist. fauny i flory Kazakh 4:100-112 '63.

KIIN-KERISH, MOUNT—MOUSE DEER, FOSSIL
Chevrotain Gobiomeryx dubius from the Paleogene of Kazakhstan. L. I. Musakulova. Mat. po ist. fauny i flory Kazakh. 4:201-203 '63.

KIIN-KERISH, MOUNT—RHINOCEROS, FOSSIL
A new species of amynodont (Amynodontidae) from the Paleogene of Kazakhstan. M. D. Burtukov. Mat. po ist. fauny i flory Kazakh 4:34-41 '63.

KILNS, ROTARY—SAFETY MEASURES
Kotliarov, E. L. [Safety manual for operators of rotary kilns (kiln tenders)] Pamiatka po tekhnike bezopasnosti dlia mashinistov vrashchaiushchikhsia pechei (obzhigal'shchikov). Izd. 2., perer. i dop. Moskva, Gosstroiizdat, 1963. 25 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

KINDERGARTEN
(see also subdivision under Ivano-Frankovsk)
Children's friendships. A. Borisova Doshk. vosp. 36 no. 6:32-34 Je '63.
Duty assignments as a form of children's work activities. Z. Borisova. Doshk. vykh. 24 no. 7:12-16 Jl '63.
Gay evenings. Z. Toropchenova. Doshk. vosp. 36 no. 6:120-126 Je '63.
How to teach children expressive reading of poetry. K. Ivanov. Doshk. vosp. 36 no. 6:35-37 Je '63.
Let's train every child for work. S. Loginov. Doshk. vosp. 36 no. 6:39-41 Je '63.
Role of a discussion before literary readings. IE. Lukina. Doshk. vykh. 24 no. 6:4-9 Je '63.
Supervising the work of preparatory group children assigned to a dining room. Z. Braznyk. Doshk. vykh. 24 no. 7:26-29 Jl '63.

KINDERGARTEN—MUSIC
Aid for a music teacher. S. Rudneva. Doshk. vosp. 36 no. 6:95-100 Je '63.

KINDERGARTENS
(see also subdivision under Sverdlovsk)
Children have many good friends. T. Lozovs'ka, V. Kostiuk. Doshk. vykh. 24 no. 6:10-11 Je '63
They do not forget their kindergarten. A. Mikhailov. Doshk. vosp. 36 no. 6:78 Je '63

KINEMATICS
Doroshkevich, A. M. [Lectures on kinematics] Lektsii po kinematike. Moskva, Mosk. poligraficheskii in-t, 1961. 89 p.

KINEMATICS OF MACHINERY see Machinery, Kinematics of

KINETIC THEORY OF GASES see Gases, Kinetic theory of

KIRGHIZISTAN—ARTERIOSCLEROSIS
Some characteristics of the distribution of atherosclerosis in elderly and senile people in the Kirghiz S S R. L. S. Burmin. Sov. zdrav. Kir. no. 3:14-18 My-Je '63.

KIRGHIZISTAN—BULBS
Use of most decorative bulbous flowering plants in landscape gardening. IU. S. Pototskaia. Izv. AN Kir. SSR Ser. biol. nauk 5 no. 2:35-38 '63.

KIRGHIZISTAN—CONIFERAE
Future introduction of coniferous plants and landscape gardening in cities and populated places of Kirghizia. T. E. Zolotarev. Izv. AN Kir SSR. Ser biol nauk 5 no. 2:29-30 '63.
Mamunbaev, Isan. [The Great October Socialist Revolution and the creation of the foundations of the Kirghiz Soviet State] Velikaia Oktiabr'skaia sotsialisticheskaia revoliutsiia i sozdanie osnov Kirgizskoi Sovetskoi gosudarstvennosti. Frunze, Kirgizskoe gos. izd-vo, 1962. 77 p. (CSt-H)

KIRGHIZISTAN—ECONOMIC CONDITIONS
Significant date. A. Toktonaliev. Fin. SSSR 37 no. 8:24-29 Ag '63.

KIRGHIZISTAN—FINANCE
Significant date. A. Toktonaliev. Fin. SSSR 37 no. 8:24-29 Ag '63.

KIRGHIZISTAN—INDUSTRY
Akademiia nauk Kirgizskoi SSR, Frunze. Institut ekonomiki [Problems in the industrial economics of Kirghizistan] Voprosy ekonomiki promyshlennosti Kirgizii Frunze, Akad. nauk Kirgizskoi SSR, Vol. 2 1961. (MH)

KIRGHIZISTAN—LANDSCAPE GARDENING
Results of the introduction of trees and shrubs and their use in the greenbelts and parks of the Republic V. I. Tkachenko. Izv. AN Kir. SSR Ser. biol. nauk 5 no. 2:13-19 '63.
Tasks of landscape gardening in the cities and populated places of Kirghizia. E. Z. Gareev. Izv. AN Kir. SSR Ser. biol. nauk 5 no. 2:1-12 '63.
Use of most decorative bulbous flowering plants in landscape gardening. IU. S. Pototskaia. Izv. AN Kir. SSR Ser. biol. nauk 5 no. 2:35-38 '63.

KIRGHIZISTAN—LEPTOSPIROSIS—PREVENTION
Sanitary instruction in the control of leptospirosis. L. E. Sheidin. Feld. i akush. 28 no. 2:43 F '63.

KIRGHIZISTAN—LIPS—CANCER
Cancer of the lips according to the Kirghiz Scientific Research Institute of Oncology and Radiology. P. V. Musuenko. Sov. zdrav. Kir. no. 3:30-32 My-Je '63.

KIRGHIZISTAN—MACHINERY INDUSTRY—SAFETY MEASURES
Sanitary, technical, and organizational measures used in decreasing industrial traumatism in plants of the machine manufacturing industry. M. B. Shpirt. Sov. zdrav. Kir. no. 3:13-17 My-Je '63.

KIRGHIZISTAN—MOTHS—EXTERMINATION
Aerosols in controlling moths. I. K. Makhnovskii, G. F. Guzeev. Zashch. rast. ot vred. i bol. 8 no. 5:17-18 My '63.

KIRGHIZISTAN—PERENNIALS
Results of the introduction and the use of the most decorative perennial flowering plants in the landscape gardening of Kirighizia. L. S. Krivosheeva. Izv. AN Kir. SSR Ser. biol. nauk 5 no. 2:21-27 '63.

KIRGHIZISTAN—PLANT INTRODUCTION
Future introduction of coniferous plants and landscape gardening in cities and populated places of Kirghizia. T. E. Zolotarev. Izv. AN Kir. SSR Ser. biol. nauk 5 no. 2:29-30 '63.
Results of the introduction and the use of the most decorative perennial flowering plants in the landscape gardening of Kirghizia. L. S. Krivosheeva. Izv. AN Kir. SSR Ser. biol. nauk 5 no. 2:21-27 '63.

KIRGHIZISTAN—PLUM—VARIETIES
Promising hybrid plums of the Botanical Garden. E. Z. Gareev. Izv. AN Kir. SSR. Ser. biol. nauk 5 no. 2:63-64 '63.

KIRGHIZISTAN—RABIES
Incidence and prevention of rabies in the Kirghiz S S R. R. K. Suranchieva. Sov. zdrav. Kir. no. 3:48-51 My-Je '63.

KIRGHIZISTAN—SKIN—DISEASES
Clinical aspects and treatment of porphyria skin disease. A. P. Sitkina, Z. S. Akmukhamedova. Sov. zdrav. Kir. no. 3:27-30 My-Je '63.

KIRGHIZISTAN—SUGAR BEETS
Experience in the receiving, storage, and processing of sugar beets harvested with the continuous method in Kirghizistan. F. N. Dobromyslov, V. S. Bespalova. Sakh. prom. 37 no. 9:46-48 S '63.

KIRGHIZISTAN—SUSLIKS
Harmfulness of suslike in Kirghizistan. A. T. Toktosunov, E. A. Kichatov. Zashch. rast. ot vred. i bol. 8 no. 7:13 Jl '63.

KIRGHIZISTAN—TULIPS
Possibility for using wild tulips in landscape gardening. R. L. Shpak. Izv. AN Kir. SSR. Ser. biol. nauk 5 no. 2:39-42 '63.

KIRGHIZISTAN—VITICULTURE
Prospects for growing grapes uncovered in winter and without irrigation in Kirghizistan. P. I. Zuev. Izv. AN Kir. SSR. Ser. biol. nauk 5 no. 2:65-76 '63.

KIRGHIZISTAN—WOODY PLANTS
Results of the introduction of trees and shrubs and their use in the greenbelts and parks of the Republic. V. I. Tkachenko. Izv. AN Kir. SSR. Ser. biol. nauk 5 no. 2:13-19 '63.

KIROV PROVINCE—FOREST FIRES—PREVENTION AND CONTROL
Enthusiastic workers. G. Gorev. Les. khoz. 16 no. 5:76 My '63.

KIROV PROVINCE—FOREST MANAGEMENT
Everyday work of a forester. T. I. Gorev. Les. khoz. 16 no. 2:81-83 F '63.

KIROV PROVINCE—PAPER INDUSTRY—FINANCE
Potentials of the paper factories of Kirov Province. K. Arslanov. Fin. SSSR 37 no. 8:55-59 Ag '63.

KIROV PROVINCE—POETS
Be friends with poets! A. Likhanov. Komsom. zhizn' no. 13:27-28 Jl '63.

KIROV PROVINCE—WOODPULP INDUSTRY—FINANCE
Potentials of the paper factories of Kirov Province. K. Arslanov. Fin. SSSR 37 no. 8:55-59 Ag '63.

KIROVAKAN—BATHS, MOOR AND MUD
Peat therapy for patients with lumbosacral radiculitis. R. A. Chilingarian, E. T. Kulikova. Vop. kur., fizioter. i lech. fiz. kul't 27 no. 5:400-403 S-O '62.

KIROVOGRAD—UNIVERSITIES AND COLLEGES
University conducted with school participation. V. D. Antonenko, O. F. Fomushkina. Rad. shk. 42 no. 7:52-55 Jl '63.

KIROVOGRAD PROVINCE—EVENING AND CONTINUATION SCHOOLS
Life demands. V. V. Pavlov. Rad. shk. 42 no. 7:87-91 Jl '63.

KIROVOGRAD PROVINCE—FARM MECHANIZATION—STUDY AND TEACHING
Life demands. V. V. Pavlov. Rad. shk. 42 no. 7:87-91 Jl '63.

KIRSHON, VLADIMIR MIKHAILOVICH, 1902-1937
A book by Vladimir Kirshon. V. Frolov. Vop. lit. 7 no. 7:196-199 Jl '63.

KISHINEV—FINANCE
Our corrections. I. Gershberg. Fin. SSSR 37 no. 6:83-84 Je '63.

KISLOVODSK—COMMUNITY AND SCHOOL
Community helps the schools. N. IAkovlev. Nar. obr. no. 6:10-20 Je '63

KISLOVODSK—HEALTH RESORTS, WATERING PLACES, ETC.
Results of sanatorium and health-resort treatment of patients with primary glaucoma [with summary in English]. A. V. Suprun. Uch. zap. GNII glaz. bol. no. 8:239-243 '63.

KISLOVODSK—SANATORIUMS
Results of sanatorium and health-resort treatment of patients with primary glaucoma [with summary in English]. A. V. Suprun. Uch. zap. GNII glaz. bol. no. 8:239-243 '63.

KISTOV, ALEKSANDR FEDOROVICH, 1903-1960
Burtian, V. I., and I. Lisnevskii. [On a high flight upward, a creative portrait] Na vysokom vzlete, tvorcheskii portret. Minsk, Gos. izd-vo BSSR, 1962. 90 p. (MH)

KIZIL KUM see Kyzyl Kum

KIZIL-TEPE—ANTIQUITIES
Archaeological excavations in Kizil-Tepe in 1960. F. D. Saltovskaia. Trudy Inst. ist. AN Tadzh. SSR 34. Arkheol. rab. v Tadzh. SSR no. 8:48-54 '62.

KLAYPEDA, LITHUANIA see Memel

KLENOVAYA, MOUNT (MARI A.S.S.R.)—NATURAL RESOURCES
Riches of Mount Klenovaya. A. P. Marinovich. Priroda 52 no. 8:108-109 Ag '63.

KLIMOVSK—STARCH INDUSTRY
Analysis of the present norms for raw material expenditure and production output in the Klimovsk Starch Plant. T. A. Bushueva. Sakh. prom. 37 no. 9:61-69 S '63.

KLIN—TUBERCULOSIS
Results of antibacterial therapy of chronic fibrocavernous pulmonary tuberculosis. I. E. Sorkin and others. Probl. tub. no. 6:75-80 '62.

KNIT GOODS INDUSTRY
(see also subdivision under Smolensk)
Savvateeva, Z. V. [Technology of the manufacture of knit clothing] Tekhnologiia trikotazhno-shveinogo proizvodstva. Moskva, Gizlegprom, 1963. 430 p.
Trends in the development of the technique of knit goods manufacture. A. S. Dalidovich. Tekst. prom. 23 no. 8:58-61 Ag '63.

KNITTING MACHINES
Increase of labor productivity in the operation of flat rib-stitch knitting machines. A. V. Kovarskii. Tekst. prom. 23 no. 8:15-20 Ag '63.

KNIVES
Khlobystina, M. D. [Bronze knives in the Minusinsk District and some problems in the development of Kurasuk culture] Bronzovye nozhi Minusinskogo kraia i nekotorye voprosy razvitiia karasukskoi kul'tury. Leningrad, Ermitazh, 1962. 31 p. (MH)

716-453 O - 64 - 15

KNOWLEDGE, THEORY OF
Cognition as the reinstatement of the essence of a law. V. S. Bakhtiarenko. Kazakh. trud. Tashkent no. 207, 151-168 '62

KOCHKORKA DISTRICT—PARASITES—ROE DEER
[illegible] capreo- [illegible] Kazakh. [illegible] 18 no. 243-245 '63

KOCHKORKA DISTRICT—SARCOSPORIDIA
[illegible] capreo- [illegible] Kazakh. [illegible] 18 no. 244-245 '63

KOCHKORKA VALLEY—ELM, FOSSIL
[illegible] Miocene sediments of northern Kir- [illegible] Makulbekov. Mat. po ist. fauny i flory Kazakh. 4:231-235 '63

KOCHKOVO DISTRICT—GRAIN—DRYING
[illegible] grain dryer at the Kochkovo Grain Re- [illegible] Mekhanizatsiia sel'sk. proizv. 17 no. 3:5-8 Mr '63

KODRY—SOIL FAUNA
[illegible] of the distribution of Brown soils [illegible] Moldavia [with summary in English] M. S. Gilarov. Zool. zhur. 42 no. 8:1139-1146 '63

KODRY—SOILS
[illegible] of the distribution of Brown soils [illegible] Moldavia [with summary in English] M. S. Gilarov. Zool. zhur. 42 no. 8:1139-1146 '63

KOENIGSBERG-MAGDEBURG CANAL
Smirnov, V. I. [Along the rivers of three countries] Po rekam trekh stran [Kaliningrad] Kaliningradskoe knizhn. izd-vo 1962. 43 p. (MIR)

KOKAND—AIRPORTS
Kokandskii aeroport. Z. Rasulov. Grazhd. av. 20 no. 8: 21 Ag '63.

KOKAND—PHOSPHATE INDUSTRY
Development of mineral chemical industrial complexes. M. Z. Rafikov. Izv. vys. ucheb. zav.; khim. i khim. tekhnol. 6 no. 4:6 Ag '63.

KOKCHETAV PROVINCE—STATE FARMS—AUDITING AND INSPECTION
Helpers of the party. I. Zaitsev. Part. zhizn' Kazakh. 33 no. 4:18-43 Ap '63.

KOLA PENINSULA—FOREST AND FORESTRY
Brief information. Les. khoz. 16 no. 6:75-76 Je '63.

KOLA PENINSULA—METALS
Chromium, nickel, vanadium, and copper contents in alkali rocks of the Kola Peninsula [with summary in English]. V. I. Gerasimovskii, IU. I. Beliaev. Geokhimiia no. 1:23-34 Ja '63.

KOLA PENINSULA—ROCKS, IGNEOUS—ANALYSIS
Chromium, nickel, vanadium, and copper contents in alkali rocks of the Kola Peninsula [with summary in English] V. I. Gerasimovskii, IU. I. Beliaev. Geokhimiia no. 1:23-34 Ja '63.

KOLA PENINSULA—WHITEFISH
Variability of Coregonidae [with summary in English] IU. S. Reshetnikov. Zool. zhur. 42 no. 8:1187-1199 '63.

KOLAROV, VASIL PETROV, 1877-1950
Gusev, N. F. Vasil Kolarov. Moskva, Gospolitizdat, 1963. 62 p.

KOLKHOZES see Collective farms

KOLVA VALLEY (KOMI A.S.S.R.)—GEOLOGY, STRATIGRAPHIC
Stratigraphy and spore-pollen complexes of Upper Tatarian and Triassic sediments in the Kolva arch. V. I. Chalyshev, L. M. Varlukhina. Trudy Inst. geol. Komi fil. AN SSSR no. 3:78-96 '62.

KOLVA VALLEY (KOMI A.S.S.R.)—PALYNOLOGY
Stratigraphy and spore-pollen complexes of Upper Tatarian and Triassic sediments in the Kolva arch. V. I. Chalyshev, L. M. Varlukhina. Trudy Inst. geol. Komi fil. AN SSSR no. 3:78-96 '62.

KOMI A.S.S.R.—AGRICULTURAL WAGES
Better work is rewarded by higher wages. G. Kanev, P. Kharitonov. Sots. trud 8 no. 6:44-46 Je '63.

KOMI LANGUAGE—FOREIGN WORDS AND PHRASES
Batalova, R. M. [Brief manual on borrowed words and dialectal vocabulary of the Komi-Permyak language] Kratkii spravochnik po zaimstvovannym slovam i dialektnoi leksike komi-permiatskogo iazyka. Kudymkar, Komi-Permiatskoe knizhnoe izd-vo, 1962. 47 p. (V pomoshch' uchiteliu) (MIR)

KONOTOP—UNDERGROUND LITERATURE
Secret of a Konotop painter of ikons. D. Prikordonnyi, I. Riabenko. Ogonek 41 no. 31:17 Jl '63.

KONSTANTINOV, OLEG ARKAD'EVICH, 1903-
On O. A. Konstantinov's 60th birthday. E. N. Pavlovskii and others. Izv. Vses. geog. ob-va 95 no. 4:374 Jl-Ag '63.

KOPLY'—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR
"Beacon light" call us to new achievements. M. Dosin. Belarus' 20 no. 5,6-7 My '63.

KOREA, NORTH—COMMUNISM
Akademiia nauk SSSR. Institut narodov Azii. [Studies in the building of socialism in the Korean People's Democratic Republic] Ocherki sotsialisticheskogo stroitel'stva v Koreiskoi Narodno-Demokraticheskoi Respublike. Moskva, Izd-vo vostochnoi lit-ry, 1963. 288 p.

KOREA, NORTH—ECONOMIC CONDITIONS
Akademiia nauk SSSR. Institut narodov Azii. [Studies in the building of socialism in the Korean People's Democratic Republic] Ocherki sotsialisticheskogo stroitel'stva v Koreiskoi Narodno-Demokraticheskoi Respublike. Moskva, Izd-vo vostochnoi lit-ry, 1963. 288 p.

KOREA, NORTH—ECONOMIC POLICY
[The seven-year plan, 1961-1967] Semiletnii plan, 1961-1967. Pyongyang, Izd-vo lit-ry na inostr. iazykakh, 1962. 1 v. (chiefly illus.)

KOREA, SOUTH—ECONOMIC ASSISTANCE, AMERICAN
[Declaration unmasking and condemning the aggressive and predatory nature of the "aid" of the American imperialists to South Korea] Zaiavlenie, razoblachaiushchee i osuzhdaiushchee agressivnuiu i grabitel'skuiu sushchnost' "pomoshchi" amerikanskikh imperialistov IUzhnoi Koree. Pyongyang, KNDR, 1963. 36 p.

KOREA, SOUTH—ECONOMIC CONDITIONS
[Declaration unmasking and condemning the aggressive and predatory nature of the "aid" of the American imperialists to South Korea] Zaiavlenie, razoblachaiushchee i osuzhdaiushchee agressivnuiu i grabitel'skuiu sushchnost' "pomoshchi" amerikanskikh imperialistov IUzhnoi Koree. Pyongyang, KNDR, 1963. 36 p.

KORNILOV, BORIS PETROVICH, 1907-1938
TSurikova, G. M. [Boris Kornilov; an outline of his works] Boris Kornilov, ocherk tvorchestva. Moskva, Sovetskii pisatel', 1963. 245 p.

KOROLENKO, VLADIMIR GALAKTIONOVICH, 1853-1921
V. G. Korolenko's first letter to A. P. Chekhov, March 14, 1902. V. M. Fedorova. Zap. Otd. rukop. no. 25:420-422 '62.

KOSHKURGAN (KAZAKHSTAN)—MAMMALS, FOSSIL
Fossil bones of mammals from the Koshkurgan gryphon (southern Kazakhstan). G. D. Khisarova. Mat. po ist. fauny i flory Kazakh. 4:42-65 '63.

KOSINO (MOSCOW REGION)—SPORTS MEDICINE
A center of health and sports. E. F. Ryskin. Teor. i prak. fiz. kul't. 26 no. 6:50-53 Je '63.

KOSSOVICH, KAETAN ANDREEVICH, 1815-1883
K. A. Kossovich as a student of the Orient, 1815-1883. A. S. Shofman. Och. po ist. rus. vostokoved. no. 6:254-269 '63.

KOSTROMA—GUIDEBOOKS
[Kostroma; handbook and guide] Kostroma; putevoditel'-spravochnik. [Kostroma] Kostromskoe knizhnoe izd-vo, 1963. 358 p.

KOSTROMA PROVINCE—AERONAUTICS IN FORESTRY
Practices in airplane sowing on burnt-over lands. F. M. Razumovskii. Les. khoz. 16 no. 2:52 F '63.

KOSTROMA PROVINCE—BIRCH
Karelian and burly birches in the forests of Kostroma Province. S. N. Bagaev. Les. khoz. 16 no. 6:20-22 Je '63.

KOTSIS, ALEKSANDER, 1836-1877
Ostrovskii, G. S. Kotsis. Moskva, Izd-vo "Iskusstvo," 1963. 35 p. illus.

KOUNRAD REGION—ROCK PRESSURE
Some results of rock pressure studies in working ore veins of the Vostochnyy Kounrad Mine. N. V. Eshutkin, M. L. Rudakov. Trudy Inst. gor. dela UFAN SSSR no. 5: 5-11 '63.

KOVALEVSKII, EGOR PETROVICH, 1811-1868
Unpublished materials of K. M. Baer on the travels of E. P. Kovalevskii to China in 1849-1850. B. A. Val'skaia. Mat. Vost. kom. Geog. ob-va SSSR no. 1:29-33 '62.

KOZHEVNIKOV, FEDOR IVANOVICH, 1903-
Fedor Ivanovich Kozhevnikov's 60th birthday. Sov. gos. i pravo 33 no. 9:166 S '63.

KOZLOVSKAIA, MARIIA
"Happiness is near you." Book review. Rab. i stud. 39 no. 6:19 Je '63.

KRANDIEVSKAIA, NADEZHDA VASIL'EVNA
Works by two of the oldest Soviet [illegible] Izhevsk 26 no. 5:45-48 '63.

KRASILOV REGION—FORESTS AND FOREST USE
What we learned from A. I. Chernogor, [illegible] and others. Les. khoz. 16 no. 2:78 F '63.

KRASNODAR TERRITORY—ATHLETIC SOCIETIES AND TEACHING
A full hour and a half. F. Shevchenko. [illegible] no. 13:3-4 Jl '63.

KRASNODAR TERRITORY—CORRESPONDENCE SCHOOLS AND COURSES
Needs of correspondence schools. Kh. O. Ter- [illegible] Vech. sred. shkola 6 no. 3:58-61 My-Je '63.

KRASNODAR TERRITORY—GAS, NATURAL
Hydrogeology of Cretaceous sediments in the [illegible] Berezan' region. S. I. Gorlov. Trudy KF VNII [illegible] 258-278 '59.

KRASNODAR TERRITORY—LOCAL FINANCE
Consolidate the revenue part of rural budgets [illegible] venko. Fin. SSSR 24 no. 6:57-59 Je '63.

KRASNODAR TERRITORY—PETROLEUM GEOLOGY
Hydrogeology of Cretaceous sediments in the [illegible] Berezan' region. S. I. Gorlov. Trudy KF VNII [illegible] 258-278 '59.

KRASNODAR TERRITORY—PHYSICAL CULTURE AND CONGRESSES
Conference on the natural regionalization of the [illegible] Territory. A. M. Kanonnikov. Izv. Vses. [illegible] 95 no. 4:373 Jl-Ag '63.

KRASNODAR TERRITORY—STUDENT ACTIVITIES
Socially useful work of students. V. I. Gorlov. Vech. sred. shkola 6 no. 3:59-61 My-Je '63.

KRASNOKAMSK—EDUCATION, PUBLIC SCHOOL
City department of public education and [illegible] cation. N. Ivanova. Nar. obr. no. 8:17 [illegible]

KRASNOVODSK—CARGO HANDLING—EQUIPMENT AND SUPPLIES
Over-all mechanization of the loading and [illegible] grain in Krasnovodsk. K. Kazlov. Mor. flot 24 no. 9-11 My '63.

KRASNOVODSKOYE PLATEAU—SALTWORKS
Distribution of the mass and surface of [illegible] ephemeral Salsola gemmiparens stands [illegible] vodskoye Plateau. I. G. Rustamov. Izv. Akad. [illegible] Ser. biol. nauk no. 4:42-48 '63.

KRASNOYARSK TERRITORY—EDUCATION
Zhotudov, D. G. [Brief history of schools in the Territory up to the Great October Socialist Revolution] Kratkaia istoriia shkol Krasnoiarskogo kraia do Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii. Krasnoiarsk, Krasnoiarskii gos. pedagog. in-t, 1961. 151 p. (MIR)

KRASNOYARSK TERRITORY—FIRES AND FIRE PROTECTION
What has been decided must be accomplished. Delo 9 no. 8:3-4 Ag '63.

KRASNOYARSK TERRITORY—VOCATIONAL EDUCATION
Industrial training needs methodology. P. V. [illegible] Shkola i proizv. 7 no. 8:44-46 Ag '63.

KREMENCHUG RESERVOIR—FISHERIES
Patrolmen of the "Kremenchug Sea." V. [illegible] Ukraina no. 14:10 Jl '63.

KREMENETS (TERNOPOL' PROVINCE)—RITES AND CEREMONIES
The "Day of Family Happiness." G. Merkur'ev. Komsom. zhizn' no. 13:28-30 Jl '63.

KRIVOY ROG—CONCRETE CONSTRUCTION
Unutilized potentials for efficient production of large blocks and slabs. Z. B. Kogan, V. D. Belogai [illegible] ucheb. zav.; stroi. i arkhit. 6 no. 2:141-145 '63.

KRIVOY ROG BASIN—BORING
Initial deflections of boreholes in the Krivoy Rog [illegible] V. P. Derusov, V. IA. IAroshenko, E. A. Semergeeva. Sbor. nauch. trud. KGRI no. 20:73-84 '63.
New equipment and advanced techniques of drilling boreholes in the Krivoy Rog Basin. A. A. Daniel', [illegible] Mikhal'tsov. Sbor. nauch. trud. KGRI no. 20:91-102 '63.
Some characteristics and causes of the crookedness of holes in the Krivoy Rog Basin. S. I. Zhilkinskii, V. A. IAroshenko, E. A. Semergeeva. Sbor. nauch. trud. KGRI no. 20:101-73 '63.

KRIVOY ROG BASIN—CONVEYING MACHINERY—TESTING
Experimental studies of a heavy-duty belt conveyor [illegible] the Krivoy Rog Southern Mining and Ore Dressing [illegible] bine. N. IA. Blitchenko and others. Vop. rud. [illegible] no. 7:45-57 '63.

KRIVOY ROG BASIN—DRILLING FLUIDS

Using petroleum and solar oil baths in drilling boreholes in the Krivoy Rog Basin. V. P. Derusov. Sbor. nauch. trud. KGRI no. 20 105-110 '63.

KRIVOY ROG BASIN—EARTH TEMPERATURE

Data on the earth temperature in the Krivoy Rog Basin. Z. G. Muromtseva, V. N. Panasenko. Razved. i okh. nedr 29 no. 7:55-56 Jl '63.

KRIVOY ROG BASIN—FOLDS (GEOLOGY)

Origin of shallow folding in the Neogene of the Krivoy Rog Basin. L. S. Belokrys Sbor nauch. trud. KGRI no. 7:96-105 '59.

KRIVOY ROG BASIN—GEOLOGY, ECONOMIC

Outlook for ore in the Tarapako-Likhmanovskiy anticline and its connection with the geological structure. M. I. Chernovskii. Sbor nauch. trud. KGRI no. 7:56-61 '59.

KRIVOY ROG BASIN—GEOLOGY, STRATIGRAPHIC

Distribution of the sediments of the Kiev series in the southern part of the Krivoy Rog iron-ore basin. I. I. Osetrov. Sbor. nauch. trud. KGRI no. 20:15-23 '63.

Sediments of the Kharkov series in the southern part of the Krivoy Rog iron-ore basin. I. I. Osetrov. Sbor nauch. trud. KGRI no. 20 24-30 '63.

KRIVOY ROG BASIN—GEOLOGY, STRUCTURAL

Mechanical and historical conjunction of the structural forms of the Tarapako-Likhmanovskiy anticline. M. I. Chernovskii. Sbor. nauch. trud. KGRI no. 20:34-40 '63.

KRIVOY ROG BASIN—IRON ORES

Formation of limonites in the upper series of the area of closure of the Krivoy Rog synclinorium. D. I. Ishchenko. Sbor. nauch. trud. KGRI no. 7:76-84 '59.

Genesis of the Il'ich Mining Administration deposit of iron ores in the Krivoy Rog Basin. K. F. Shcherbakova. Sbor. nauch. trud. KGRI no. 7:62-75 '59.

KRIVOY ROG BASIN—MINE HAULAGE—SAFETY MEASURES

Improving the working organization of the underground transportation in mines. V. G. Boklan, A. K. Gorobets. Bezop. trudа v prom. 7 no. 7:10-11 Jl '63.

KRIVOY ROG BASIN—MINE HOISTING—BRAKES

Study and selection of an efficient layout for dynamic braking of an asynchronous drive on cage hoists in Krivoy Rog Basin mines. V. F. Shchetka. Sbor. nauch. trud. KGRI no. 7:265-272 '59.

KRIVOY ROG BASIN—MINE RAILROADS

Calculation of the weight of a train for conditions found in Krivoy Rog Basin mines. A. A. Rengevich, M. K. Mekheda. Vop. rud. transp. no. 7:195-210 '63.

KRIVOY ROG BASIN—MINE SAFETY

Analysis of safety conditions in Krivoy Rog Basin mine stopes. A. P. Polishchuk. Sbor. nauch. trud. KGRI no. 7:187-194 '59.

KRIVOY ROG BASIN—MINERAL WATERS

Use of mineral mine waters of the Krivoy Rog Basin for balneological purposes. V. V. Natarov. Vrach. delo no. 8:115-116 Ag '63.

KRIVOY ROG BASIN—MINING ENGINEERING

Selection of an efficient way of cutting out a block in a free-block caving system in the Krivoy Rog Basin. M. V. Guminskii. Sbor. nauch. trud. KGRI no. 7:129-144 '59.

KRIVOY ROG BASIN—PROSPECTING

Krivoy Rog Basin geologists and prospectors are in the forefront of the builders of communism. N. A. Pas'ko. Razved. i okh. nedr 29 no. 7:59-61 Jl '63.

KRIVOY ROG BASIN—PSEUDOTACHYLYTE

Geological significance of the discovery of pseudotachylyte near the Krivoy Rog Basin. V. F. Petrun'. Sbor. nauch. trud. KGRI no. 20:40-44 '63.

KRIVOY ROG BASIN—ROCKS, CARBONATE—CLASSIFICATION

Nomenclature of Pre-Cambrian carbonate rocks in the Krivoy Rog Basin. V. G. Makhlaev. Sbor. nauch. trud. KGRI no. 20:3-7 '63.

KRIVOY ROG BASIN—ROCKS, SEDIMENTARY

Relationship between the distribution of accessory elements and the formation of the Upper series in the Krivoy Rog suite [with summary in English]. B. A. Gorlitskii, G. I. Kaliaev. Geokhimiia no. 12:1101-1105 '62.

KRIVOY ROG BASIN—SEPARATORS (MACHINES)

Conditions for automatically controlling the density of the overflow of classifiers in ore dressing plants of the Krivoy Rog Southern Mining and Ore Dressing Combine. A. S. Sergeev, A. K. Rundkvist. Sbor. nauch. trud. KGRI no. 7:294-298 '59.

KRIVOY ROG BASIN—TRACE ELEMENTS

Distribution of accessory elements in metamorphic rocks and migmatites in the region of the western Anna zone of the northern Krivoy Rog Basin. Geol. zhur. 23 no. 3:84-94 '63.

Relationship between the distribution of accessory elements and the formation of the Upper series in the Krivoy Rog suite [with summary in English]. B. A. Gorlitskii, G. I. Kaliaev Geokhimiia no. 12:1101-1105 '62.

KRONOTSKIY GULF—SILT—ANALYSIS

Mineralogy of coarse silt fractions of bottom sediments of Kronotskiy Gulf and Avacha Bay [with summary in English]. I. A. Aleksina. Trudy Inst okean 61:104-154 '62.

KRUPSKAIA, NADEZHDA KONSTANTINOVANA, 1869-1939

Levidova, S. M., and S. A. Pavlotskaia. [Nadezhda Konstantinovna Krupskaia Leningrad [Lenizdat] 1962. 298 p.
(MIU)

KRUZENSHTERN, IVAN FEDOROVICH, 1770-1846

Kruzenshtern's plan for a voyage around the world; based on new archive materials. E. G. Kushnarev. Izv. Vses. geog. ob-va 95 no. 4 339-347 Jl-Ag '63.

KRYLOV, ALEKSEI NIKOLAEVICH, 1863-1945

Admiral of ship science. O. Pisarzhevskii. V mire knig 3 no. 8:12 Ag '63.

Alekseĭ Nikolaevich Krylov; on the 100th anniversary of his birth. I. B. Pogrebysskii Mat. v shkole no. 4:77-80 Jl-Ag '63.

Noteworthy dates in science and technology Shkola i proizv. 7 no. 8:94-96 Ag '63

One hundredth anniversary of Academician A. N. Krylov's birth. Sudostroenie 29 no. 7:82 Jl '63.

KRYMSK—CANNING INDUSTRY

Alleviating the seasonal factors of work. P. K. Chigirinskii and others. Kons. i ov. prom. 18 no. 7:33-36 Jl '63.

Mechanization and automation of production processes in the Canning Combine in Krymsk. I. P. Litvinova, T. D. Diemenko. Kons. i ov. prom. 18 no. 7:41-42 Jl '63.

KUBAN—GAS, NATURAL—GEOLOGY

Kuma sediments in the western Kuban. A. G. Garbuzova. Trudy KF VNII no. 1:243-257 '59.

KUBAN—INDUSTRIES

Baibakov, N. K. [The Kuban makes strides toward the future] Kuban' shagaet v budushchee. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1963. 66 p.

KUBAN—OIL SANDS—PERMEABILITY

Practice of complex studying thinly alternating flysch-type reservoir rocks in the western Kuban. G. M. Aladatov and others. Trudy KF VNII no. 1:202-221 '59.

KUBAN—PETROLEUM GEOLOGY

Kuma sediments in the western Kuban. A. G. Garbuzova. Trudy KF VNII no. 1:243-257 '59.

KUBAN—RADIOLARIA, FOSSIL

Upper Eocene Radiolaria of the Kuma series in the western Kuban. N. N. Borisenko Trudy KF VNII no. 1:33-44 '59.

KUBAN-AZOV LOWLAND—FOLDS (GEOLOGY)

Development of fold structure of the Western Kuban foredeep trough. I. P. Zhabrev. Trudy KF VNII no. 1: 166-189 '59.

Tectonics and history of the formation of buried folds in the zone of the southern edge of the Western Kuban trough and outlook for finding oil and gas in the Mesozoic. A. N. Shardanov, V. P. Peklo. Trudy KF VNII no. 1:100-117 '59.

KUBAN-AZOV LOWLAND—GAS, NATURAL—GEOLOGY

Tectonics and history of the formation of buried folds in the zone of the southern edge of the Western Kuban trough and outlook for finding oil and gas in the Mesozoic. A. N. Shardanov, V. P. Peklo. Trudy KF VNII no. 1:100-117 '59.

KUBAN-AZOV LOWLAND—GEOLOGY

History of the geological development of the Eastern Kuban trough in the Neogene. V. N. Buriak. Trudy KF VNII no. 1:190-201 '59.

KUBAN-AZOV LOWLAND—GEOLOGY, STRATIGRAPHIC

Miocene sediments in the central part of the Western Kuban trough. V. A. Grossgeim. Trudy KF VNII no. 1: 45-65 '59.

KUBAN-AZOV LOWLAND—PETROLEUM GEOLOGY

Tectonics and history of the formation of buried folds in the zone of the southern edge of the Western Kuban trough and outlook for finding oil and gas in the Mesozoic. A. N. Shardanov, V. P. Peklo. Trudy KF VNII no. 1:100-117 '59.

KUBANEV, VASILII MIKHAILOVICH, 1921-1942

Restless life, unsettled life.... M. Lapshin. Mol. komm. no. 8:60-66 Ag '63.

KUIBYSHEV, VALERIAN VLADIMIROVICH, 1888-1935

An outstanding leader of the Communist Party and the Soviet state. K. Khasanov. Komm. Uz. 35 no. 6:86-87 Je '63.

KUKRYNIKSY, pseud.

Sokolova, N. I. [Kukryniksy: Mikhail Vasil'evich Kupriianov, Porfirii Nikitich Krylov, Nikolai Aleksandrovich Sokolov. [Moskva Izd-vo Akad. khudozh. SSSR, 1962] 502 p. illus.
(MiU)

KUL'DZHUKTAU—IRON ORES

Epigenetic redistribution of iron in red beds of the Kul'dzhuktau. O. I. Zelenova. Trudy IGEM no. 99:140-146 '63.

KUL'DZHUKTAU—ROCKS, SEDIMENTARY

Epigenetic redistribution of iron in red beds of the Kul'dzhuktau. O. I. Zelenova. Trudy IGEM no. 99:110-146 '63.

KUNGUR DISTRICT, PERM PROVINCE—SCHOOL SUPERVISION

Successful practice. V. Konev, A. Rykov Nar. obr. no. 6:11-14 Je '63.

KUPALA, IANKA, pseud. see Lutsevich, Ivan Dominikovich, 1882-1942

KUPRIIANOV, PETR ANDREEVICH, 1893-1963

In memoriam. P. A. Kupriianov. Sov. med. 27 no. 7: 156-157 Jl '63.

Petr Andreevich Kupriianov; on his 70th birthday. Vop onk. 9 no. 2:3-5 '63.

KURA VALLEY—GEOLOGY, STRUCTURAL

Origin of the Atskuri-Tashiskari part of the Kura Valley. Sh. A. TSkhovrebashvili. Izv. Vses. geog. ob-va 95 no. 4:359-364 Jl-Ag '63

KURAMA RANGE—URANIUM ORES

Forms of uranium occurrences in granitoid rocks of the Kuramas zone (Central Asia). I. E. Smolchikov, S. G. TSeitlin, N. M. Batyreva. Trudy IGEM no. 99:50-67 '63.

KURDS

Blood-red glow over Kurdistan. Ol. Nosenko. Ukraina no. 14:4 Jl '63.

KURGAN-TYUBE—COMMUNIST YOUTH LEAGUE

Initiative plus a raid. K. Pulatov. Komsom. zhizn' no. 13 30 Jl '63.

KURGAN VALLEY—JOINTS (GEOLOGY)

Joint tectonics of the Kurgan deposit and its effect on the distribution of ore bodies. V. A. Novskii. Geol. rud. mestorozh. 5 no. 4:56-73 Jl-Ag '63.

KURGAN VALLEY—ORE DEPOSITS

Joint tectonics of the Kurgan deposit and its effect on the distribution of ore bodies. V. A. Novskii. Geol. rud. mestorozh. 5 no. 4:56-73 Jl-Ag '63.

KURILE ISLANDS—HISTORY

History of the Kuriles [with summary in English, pp. 221-222]. L. N. Kudashev. Vop. ist. 38 no. 8:42-58 Ag '63.

KURILE ISLANDS—SPRUCE

The spruce Picea glehnii (Fr. Schm.). A. P. Klintsov. Priroda 52 no. 8:109-110 Ag '63.

KURSK, BATTLE OF, 1943

Collapse of the "Citadel." N. Popel'. Mol. komm. no. 8:99-100 Ag '63.

Historiography of the Battle of Kursk. V. A. Zverev, N. A. Samollo. Vop. ist. 38 no. 8:109-114 Ag '63.

Kilometer of war. Z. Khiten. Ogonek 41 no. 30:4-5 Jl '63.

KURSK MAGNETIC ANOMALY—AMPHIBOLES

Alkali amphibole in rocks of the Yakovlevskoye deposit in the Kursk Magnetic Anomaly. V. N. Makarov, D. N. Kondrat'eva. Sbor. nauch. trud. KGRI no. 20:53-55 '63.

KURSK MAGNETIC ANOMALY—HEMATITE

Etched structures of hematites and martites from ores of the Upper series in the Yakovlevskoye deposit in the Kursk Magnetic Anomaly. V. N. Makarov, D. S. Domarev. Sbor. nauch. trud. KGRI no. 20:56-57 '63.

KURSK MAGNETIC ANOMALY—IRON MINES AND MINING

Kursk Magnetic Anomaly reveals underground storerooms. L. Il'in. NTO 5 no. 6:40-42 Je '63.

KURSK MAGNETIC ANOMALY—MAGNETITE

Magnetite in iron ores of the Kursk Magnetic Anomaly. A. A. Illarionov. Sbor. nauch. trud. KGRI no. 20:8-15 '63.

KURSK MAGNETIC ANOMALY—MARTITE

Etched structures of hematites and martites from ores of the Upper series in the Yakovlevskoye deposit in the Kursk Magnetic Anomaly. V. N. Makarov, D. S. Domarev. Sbor. nauch. trud. KGRI no. 20:56-57 '63.

KURSK MAGNETIC ANOMALY—MINE MANAGEMENT

Ways of improving the organization of production and labor in mines of the Kursk Magnetic Anomaly Combine. E. R. Rakhmetullin. Nauch. trudy MGI no. 43:10-26 '62.

KURSK MAGNETIC ANOMALY—MINING ENGINEERING—COSTS

Possibilities for lowering the cost of mining ore in the mines of the Kursk Magnetic Anomaly Combine. A V. Baranenko, M A Kobishchanov, E R Rakhmetullin Nauch trud. MGI no 43:3-11 '63.

KURSK MAGNETIC ANOMALY—ORE DEPOSITS

Origin of ores of the upper series in the Yakovlevskoye deposit of the Kursk Magnetic Anomaly. D S. Domarev, V.I Tarantes, V.N.Makarov Sbor.nauch trud. KGRI no.20 57-69 '63

Studying mineralogy and petrography of clastic ores in the Yakovlevskoye deposit of the Kursk Magnetic Anomaly V.N. Makarov. Sbor nauch.trud KGRI no 20 44-53 '63

KURSK PROVINCE

Kursk Province in memoirs and belles lettres. A.A. Turovskaia Sov. bibl. no.4 84-85 '63

KURSK PROVINCE—AGRICULTURE—ACCOUNTING

Change the attitude toward accounting. P.S. Minbaev, Uchetchik kolkhoz i sovkhoz 40 no.5:4 My '63.

KURSK PROVINCE—CATTLE—FEEDING AND FEEDS

Causes of unprofitableness on stock-fattening state farms and state delivery offices. L. Kuguko., M Bocharov Fin. SSSR 37 no.6 76-77 Je '63

KURSK PROVINCE—CATTLE TRADE

Causes of unprofitableness on stock-fattening state farms and state delivery offices. L. Kuguko., M Bocharov Fin. SSSR 37 no.6 76-77 Je '63

KURSK PROVINCE—CRIMINAL INVESTIGATION

Our experience in the investigation of criminal offenses by a group of criminal investigators I Shkorbatov, A Roshchin Sots zakon 40 no.6 12-16 Je '63.

KURSK PROVINCE—EVENING AND CONTINUATION SCHOOLS

Let's find the right way! P.A. Miklin Vech. sred. shkola 6 no.3 73-74 My-Je '63.

KURSK PROVINCE—POTATOES

Dvortsevoi, I T. [One hundred and sixty centners of potatoes per hectare] 160 tsentnerov kartofelia s gektara. [Kursk Kurskoe knizhnoe izd-vo, 1962] 10 p (Vypolniaem reshenia 22 s"ezda KPSS) (DNAL)

KUSTANAY PROVINCE—MINE DRAINAGE

Working flooded Oligocene sands in the Sarbay Pit I I Pinskin A A Solentsov Gor zhur no 8 70 Ag '63

KUSTANAY PROVINCE—PARASITES—GEESE

Helmiths of the graylag (Anser anser) of Kustanay Province L.N Zaskind. Trudy Inst. zool AN Kazakh SSR 19:117-120 '63.

KUSTANAY PROVINCE—SPRAYING AND DUSTING IN AGRICULTURE

Using radioactive isotopes in determining the quality of the spraying of farm crops with pesticides. S.V. Andreev, B.K. Martens, V.A. Molchanova. Vest. sel'khoz nauki 8 no 4:135-138 Ap '63

KUSTANAY PROVINCE—WORMS, INTESTINAL AND PARASITIC

Helminths of the graylag (Anser anser) of Kustanay Province. L.N Zaskind. Trudy Inst. zool AN Kazakh SSR 19:117-120 '63.

KUTUZOV, MIKHAIL ILLARIONOVICH, 1745-1813

Volodin, P.M. [The Kutuzov cottage] Kutuzovskaia izba. Izd.2., dop [Moskva] Moskovskii rabochii, 1962. 42 p. (Po muzeiam i vystavkam Moskvy i Podmoskov'ia) (MiS)

KUTUZOV, MIKHAIL NIKIFOROVICH, 1903-

On the 60th birthday of Mikhail Nikiforovich Kutuzov. Geod. i kart. no.6 79-80 Je '63.

KUYBYSHEV—HISTORICAL MUSEUMS

Kuybyshev. Dom-muzei V.I. Lenina. [Guidebook] Putevoditel'. [Avtory tekstа T.N. Barkovskaia i G.E. Stepanova. Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963. 73 p

KUYBYSHEV—VOCATIONAL EDUCATION

Work in a collective is the best educator V.I Semenova Shkola i prolzv. 7 no.8:43-44 Ag '63

KUYBYSHEV DISTRICT—AESTHETICS—STUDY AND TEACHING

Develop people's sense of beauty. S Akhmedov Part zhizn' [Uzb.] 8 no.7 34-36 Jl '63

KUZNETSK BASIN—COAL MINES AND MINING

Skill plus friendship. T. Avaliani. Sov. shakht. 12 no.6: 12 Je '63.

Toward new achievements in work. G. Kononchuk. NTO 5 no.6:8-9 Je '63.

KUZNETSK BASIN—COAL MINES AND MINING—SAFETY

Dust control in mining by cutter loaders. IU. P. Pavlenko. Bezop. truda v prom. 7 no.7:34-36 Jl '63.

KUZNETSK BASIN—COAL MINING MACHINERY

Operating efficiency of the K-52M unit in Kuznetsk Basin mines and ways of increasing it. T.L Ivaeva. Nauch. trudy MGI no 43:63-73 '62.

KUZNETSK BASIN—FOLDS (GEOLOGY)

Some characteristics of the distribution of joints in an anticline. N.V. Mel'nikov Trudy SNIIGGIMS no.27: 42-53 '62

KUZNETSK BASIN—GEOLOGY, STRATIGRAPHIC

Maksimova, S.N. [Sedimentation and the history of the development of the Kuznetsk Basin in the Lower Carboniferous] Osadkonakoplenie i istoriia razvitiia Kuznetskoi kotloviny v nizhnekamennougol'noe vremia Otv. red. G.I Teodorovich Moskva, Izd-vo Akad. nauk SSSR, 1963 89 p illus

KUZNETSK BASIN—JOINTS (GEOLOGY)

Some characteristics of the distribution of joints in an anticline. N.V. Mel'nikov. Trudy SNIIGGIMS no.27 42-53 '62.

KUZNETSK BASIN—PALYNOLOGY

Lower Triassic spore-pollen complex of the Kuznetsk Basin. A.A Kurbatova Trudy SNIIGGIMS no.23: 114-119 '62.

KUZNETSK BASIN—TECHNICAL EDUCATION

The clothes do not allow for growth K Lavrova, V. Gogolev Mol. komm. no 9:84-86 S '62.

KUZNETSK BASIN—VOCATIONAL EDUCATION

Industrial training in schools of the Kuznetsk Basin V.N. Usanov Shkola i proizv 7 no 8:31-36 Ag '63

KUZNETSOV, NIKOLAI IVANOVICH, d 1944

Born for heroic deeds. Vasil' Muravenko. Ukraina no.20,10-11 Ag '63.

KVIRING, EMMANUIL IONOVICH, 1888-1937

Prominent party member and statesman. M. Perel'man. Vop. ekon. no. 8:158-160 S '63.

KYSHTYM—MINING MACHINERY

Mining equipment manufactured by the Kyshtym Machine Shop P.A. Komarov Gor. zhur. no 8 43-44 Ag '63

KYUSOL

Catalytic hydrogenation of quinoline for the production of the "Kyusol" repellent. I.I. Eru and others. Koks i khim. no. 10:46-49 '62.

KYZYL KUM—ALGAE, FOSSIL

Find of Cretaceous Charophyta in the Kyzyl Kum V.D. Nikolaiskaia. Mat. po ist. fauny i flory Kazakh. 1:216-222 '63

KZYL KUM DISTRICT—KARAKUL SHEEP

Concentrated attack on the second virgin lands S Modestov, G. Murzagaliev Part. zhizn' Kazakh. 33 no 8: 43-44 Ag '63

KZYL-ORDA PROVINCE—INDUSTRIAL MANAGEMENT

Relying on the masses G Lugovoi. Part. zhizn' Kazakh. 33 no.8 53-56 Ag '63

KZYL-ORDA PROVINCE—TICKS

Distribution of the tick Ornithodoros tartakovskyi Olenev in Kzyl-Orda Province. V.N. Kusov and others Trudy Inst. zool AN Kazakh. SSR 19:161-172 '63

Added ticks of Kzyl-Orda Province. E.I. Loseva Trudy Inst. zool. AN Kazakh. SSR 19 189-190 '63.

LABA VALLEY—GEOCHEMISTRY

Migration of iron, magnesium, calcium, and some other elements in the granitization process of Lower Paleozoic greenstone rocks in the Little Laba basin V.V. Ploshko, N.P. Lupanova. Trudy IGEM no 99:177-187 '63

LABA VALLEY—MILIOLIDAE, FOSSIL

Miliolid fauna from Jurassic sediments of the Laba basin. Z.A. Antonova. Trudy KF VNII no. 1,3-32 '59.

LABOR, COMPLICATED

Some late results for the mother following labor in case of pelvic presentation G F Kulybekova, Sov zdrav, Kir. no 3 23-27 My-Je '63

LABOR AND LABORING CLASSES

(see also subdivision under Armenia; Azerbaijan; Germany, Hungary, Latin America, Leningrad; Philippines, Rome; Ruhr Valley)

"Brief history of the Russian labor movement, 1861-1917." Reviewed by L.M. Ivanov and others. Vop. ist. 38 no.7:138-139 Jl '63.

"Class battles are shaking the capitalist world; a new intensification of the revolutionary labor movement." Reviewed by V.S. Diakin. Vop. ist. 38 no.7:141-143 Jl '63.

Creative Marxism-Leninism and the problems of the labor movement. T. Timofeev. Mir. ekon. i mezhdunar. otn. no.8:3-20 '63.

Industrial development and labor movement in Russia in the 1890's. G F. Semeniuk Prep. ist. v shkole 18 no 5:19-28 S-O '63

Letters from the editor. Sov. profsoiuzy 19 no. 13:32-33 Jl '63.

Notes on books. Sov. profsoiuzy 19 no.11:59 Jl '63.

Readers relate, advise and criticize. Sov. profsoiuzy 19 no. 14:30-31 Jl '63.

Sokolov, O.D. [At the outset of the workers' movement in Russia] Na zare rabochego dvizheniia v Rossii Moskva, Sotsekgiz, 1963 285 p

Vital problems of scientific labor organization. Ia. Trocheńko, K. Kuznetsova. Sots. trud no.6 Je '63.

LABOR AND LABORING CLASSES—EDUCATION

(see also subdivision under Rovda, Surodlo Province, Turkmenistan, Uzbekistan)

Economic education in industrial plants. A.I Part. zhizn' no. 17:27-31 S '63.

LABOR CONTRACT

Participation of trade union in the regulation conditions with the agreement of the administration of enterprises or institutions M. Bulanova Nauch. trud. Vses. n-issl. in-ta po izuch. prichin vozniknov. boob Otd. obshchestv. nauk VN II 1962.

LABOR COURTS

(see also subdivision under Kaluga Province)

Discussing the "Regulations on fellow workers' E Vorozheikin Sots. zakon 40 no 6 81-85 Je

From the practice of fellow workers' courts. I rdov, M. Batkov. Sov. iust. no.11 31 N '63.

How the work of a fellow workers' court Agitator no 12:61 Je '63.

Let us improve the guidance of fellow workers' K. Velichkin. Sov. iust. no.12:14-16 Je '63

Utilize skilfully the power of the community. Part. zhizn' no. 17:58-61 S '63.

You have to study if you wish to teach others I Neslukov. Sots. zakon 40 no 6 85-86 Je

LABOR DISCIPLINE

Fellow workers pass sentence. Zh. Sakhnovskaia shakht 12 no 6 43 Je '63

Inspired work in the first commandment. V. Sov. profsoiuzy 19 no. 11:16-18 Jl '63.

LABOR DISPUTES

Problems of jurisdiction over labor disputes and Sots zakon 30 no.3 21-26 M '63

LABOR LAWS AND LEGISLATION

Civil law as a complementary source of the of labor relations. M Bara. Sov. iust. Jl '63.

Implementation of rules on the liability of employees. V. Kalanetu. Sov. iust. no. '63.

Judicial practice in cases concerning the to the wages. V. Kalanetu. Sov. iust. no.

Some problems of labor law in the light of the of the 22d Congress of the CPSU. I.IA. Uch. Lv. vys. ucheb. zav., prav. 7 no. Izv.-6) '63

Source materials relating to the preparation of hired labor in the industries of slave holding from the 1830's to the early 1860's. N. N Probl. istoch. no. 11:180-112 '63.

The Soviet multinational state and organizational legal problems in the utilization of human IU. P. Orlovskii. Sov. gos. i pravo 33 no. '63.

LABOR PRODUCTIVITY

(see also subdivision under Armenia)

Bukhanevich, B.A. [Factors contributing to the of labor productivity and the calculation of their influence] Faktory rosta proizvoditel'nosti truda i raschet ikh vliianiia. Moskva, Ekonomizdat, 1963 85 p.

More products with less labor expenditure. 8 no.6:90-95 Je '63.

Potentials for increasing labor productivity in R.S.F.S.R. industry. V. Machikhin, V. Plan. khoz. 40 no.9,1-9 S '63.

LABOR SUPPLY

(see also subdivision under Soviet Far East; Ukraine)

The Soviet multinational state and organizational legal problems in the utilization of human IU. P. Orlovskii. Sov. gos. i pravo 33 no. '63.

LABOR SUPPLY—STATISTICS

Improve the balance sheet method for planning labor. P. Litviakov. Plan. khoz. 40 no.8,7-11 Ag '63.

Method for working out a balance of the labor of cities and regions. A. Zagorodneva, I. Plan. khoz. 40 no.9:31-35 S '63.

LABOR TURNOVER

Organize a stable work force. G. Fedorov. Part. zhizn' no.17:22-27 S '63.

LABORATORY MANUALS

"Mass spectrometer" - a laboratory manual used in specialist training. V.N. Lange, A.R. Regel'. Uch. zap. Ped. inst. Gertz. 197:223-228 '58.

LABYRINTH (EAR)—DISEASES
Cochleovestibular disorders in vascular diseases of the brain. G. P. Sushcheva. Vest. otorin. no. 1 26-31 '63

LACQUER AND LACQUERING
Technology of the finishing of radio cabinets with alkyd-urea acid hardening lacquers. R. B. Mandel', M. D. Lerman, V. V. Semashin. Lakokras. mat. i ikh prim. no. 3 45-46 '63

LACTAMS
Polymerization of N-substituted lactams [with summary in English]. R. S. Muromova, A. A. Strepikheev, Z. A. Rogovin. Vysokom. soed. 5 no. 7 1096-1100 Jl '63

LACTONES
Unsaturated acids and macrocyclic lactones. Report No. 10. Synthesis of β-hydroxy-α, α', γ-trimethylpimelic lactone. L. D. Bergel'son, S. G. Barsukov. Izv. AN SSSR, Ser. khim. no. 7 1259-1267 Jl '63.

LAGODEKHI PRESERVE
Is this the right kind of a guidebook? I. A. Krivitskii. Priroda 52 no. 8:123 Ag '63

LAKE BAIKAL—SEDIMENTS (GEOLOGY)—ANALYSIS
Vertical distribution of recent sediments of Posol'sk Inlet on Lake Baikal. G. A. Kazenkina, N. P. Ladokhin. Dokl. AN SSSR 151 no. 1:165-167 Jl '63.

LAKE KUCHUK—HYDRAULIC MINING
Selection of the means for mechanized recovery of bottom sediments of mirabilite-steklets under conditions found at Lake Kuchuk. E. G. Chaikovskii. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:159-169 '62.

LAKHTINSKIY REGION—DIATOMS
Post-glacial history of the Baltic region based on data of diatom and palynological studies of a section of the Lakhtinskiy trough. K. V. Zheludovskaia, T. E. Ladyshkina. Dokl. AN SSSR 151 no. 3 652-654 Jl '63.

LAKHTINSKIY REGION—PALYNOLOGY
Post-glacial history of the Baltic region based on data of diatom and palynological studies of a section of the Lakhtinskiy trough. K. V. Zheludovskaia, T. E. Ladyshkina. Dokl. AN SSSR 151 no. 3 652-654 Jl '63.

LAKSKIY DISTRICT—STATISTICS, MEDICAL
General incidence of disease (according to data on application for medical care) among the population of a mountain region in the Daghestan A. S. S. R. IA. I. Golin. Zdrav. Ros. Feder. 7 no. 7:7-12 Jl '63.

LAMBLIASIS see Giardiasis

LAMELLIBRANCHIATA, FOSSIL see subdivision under Georgia

LAMINATED METALS
Gaibuz, N. A. [Bimetallic machine parts] Bimetallicheskie detali mashin. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963. 65 p.

LAND TENURE
(see also subdivision under Java, Uzbekistan; White Russia)
The Fifth Inter-Republic Conference on the Agricultural History of Eastern Europe. A. M. Anfimov, IU. A. Tikhonov. Vop. ist. 38 no. 7:111-116 Jl '63.
The Great October Revolution and the solution of the agrarian question in our country. M. A. Snegirev, G. V. Sharapov. Vop. ist. 38 no. 7:125-129 Jl '63.
Text of the "land decree" and its reprinting in Soviet publications. E. A. Lutskii. Probl. istoch. no. 11 3-45 53.

LANDFORMS see subdivision under Chorokh (Coruh) Valley; Dnieper-Donets Lowland

LANDSCAPE see subdivision under Uzbekistan

LANDSCAPE GARDENING
see also subdivision under Issyk-Kul' region; Kirghizistan)
Therapeutic and prophylactic importance of parks and gardens. L. N. Savchuk. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:118-122 Mr-Ap '63.

LANDSLIDES
Angles of incline of sides being worked in the Bogoslovskiy pits. I. I. Popov. Trudy Inst. gor. dela UFAN SSSR no. 5:113-116 '63.
Stability of the sides of deep pits. M. L. Rudakov. Trudy Inst. gor. dela UFAN SSSR no. 5:67-89 '63.

LANGUAGE AND LANGUAGES
Makhovskii, L. A. [Significance of linguistics] Znachennia movoznavstva. Kyiv, Derzh. uchbovodagog. vyd-vo "Radians'ka shkola," 1962. 39 p. (NIC)
Conferences on the coordination of linguistics, held at Tbilisi and Moscow. G. Bakinova, N. N. Ukhanova. Vest. AN SSSR 33 no. 9:96-98 S '63.

LANGUAGE AND LANGUAGES—AUDIO-VISUAL AIDS
Simulation of speech patterns with the help of visual aids. A. Z. Bassmertnyi. Inostr. iaz. v shkole no. 3:24-My-Je '63.
Substitution tables. V. D. Arakin. Inostr. iaz. v shkole 3:34-38 My-Je '63.

LANGUAGE AND LANGUAGES—BIBLIOGRAPHY see Bibliography—Language and languages

LANGUAGE AND LANGUAGES—STUDY AND TEACHING
All-Russian seminar of specialists on methods in Voronezh. L. V. Golovkina. Inostr. iaz. v shkole no. 3:123 My-Je '63.
Conference on the methods of teaching foreign languages in Alma-Ata. G. IA. Pankrats. Inostr. iaz. v shkole no. 3:126-128 My-Je '63.
Fifth interuniversity conference on the methods of teaching oral speech. G. V. Rozova, K. I. Salomatov. Inostr. iaz. v shkole no. 3:126 My-Je '63.
Interuniversity conference at the First Moscow State Pedagogical Institute of Foreign Languages. Inostr. iaz. v shkole no. 3:124-126 My-Je '63.
Interuniversity conference on the methods of teaching foreign languages in the institutions of higher learning. Sov. pedag. 27 no. 7:153-154 Jl '63.
Patterns for teaching foreign languages in the works of H. Palmer, F. French, A. Hornby, P. Menon, Ch. Fries, and R. Lado. M. N. Vlatlutnev. Inostr. iaz. v shkole no. 3:18-23 My-Je '63.

LANTHANIDES see Rare earths

LANTHANUM CATALYSTS
Reduction of anions on the dropping mercury cathode in the presence of small amounts of lanthanum ions [with summary in English]. Liu Shou-zhun [Liu Shou-jung], S. I. Zhdanov. Zhur. fiz. khim. 37 no. 8:1750-1756 Ag '63.

LARCENY
Voluntary policemen lent their assistance. M. Kachanov. Sots. zakon. 40 no. 7:75 Jl '63.

LARCH see subdivision under Ivanovo Province, Salair Ridge

LARIN, BORIS ALEKSANDROVICH, 1893-
B. A. Larin; on his 70th birthday. G. V. Stepanov. Vest. LGU 18 no. 14:147-154 '63

LARIN, BORIS ALEKSANDROVICH, 1893- BIBLIOGRAPHY see Bibliography—Larin, Boris Aleksandrovich, 1893-

LARVAE—INSECTS
Differential characters of the larvae of Ixodes persulcatus P. Sch. and Ixodes apronophorus P. Sch. [with summary in English]. V. I. Alifanov. Zool. zhur. 42 no. 8:1264-1266 '63.

LARYNX—CANCER
Postradiation changes in X-ray therapy of patients with cancer of the larynx. T. A. Cherniakova. Vest. otorin. no. 1:78-82 '63.

LARYNX—DISEASES
Classification of spastic aphonias. I. Kiml. Vest. otorin. no. 1:74-78 '63

LASERS
Calorimeter for measuring the energy emitted by an optical maser. V. S. Zuev, P. G. Kriukov. Prib. i tekh. eksp. 8 no. 3:188-189 My-Je '63.
Instability of the generation of monochromatic radiation by optical masers using solid bodies. T. I. Kuznetsova, S. G. Rautian. Fiz. tver. tela 5 no. 8:2105-2115 Ag '63.

LATERITE
Laterite and lateritization. B. G. Rozanov. Nauch. dokl. vys. shkoly; biol. nauki no. 3:205-210 '63.

LATHES
Machine for grinding bands of forms for manufacturing shells. V. G. IAkovenko. Transp. stroi. 13 no. 7. 64 Jl '63
Reinforced-concrete bed of the 1660 heavy lathe. M. M. Bol'shakov. Stan. i instr. 34 no. 7:13-14 Jl '63.

LATHES—ATTACHMENTS
Attachment for machining small holes. Mashinostroitel' no. 7:44 Jl '63.

LATHES—COOLING
Selecting a cooling system for milling and turning heat-resistant and rustproof materials. V. M. Zaitsev. Vest. mashinostr. 43 no. 8:70-72 Ag '63.

LATHES—MAINTENANCE AND REPAIR
Introducing standard adjustment for automatic turret lathes. V. G. Volkov, V. A. Gribkov. Mashinostroitel' no. 7:30-32 Jl '63.

LATIN AMERICA—DIPLOMATS, GERMAN
Swastika diplomats. V. Listov. Nov. vrem. 21 no. 31: 17-18 Ag '63.

LATIN AMERICA—ETHNOLOGY
"Interracial relations in Latin America, 1940-1960" [in Spanish] by J. Comas. Reviewed by A. Zubov. Vop. antr. no. 12:157-158 '62.

LATIN AMERICA—FASCISM
Swastika diplomats. V. Listov. Nov. vrem. 21 no. 31: 17-18 Ag '63.

LATIN AMERICA—LABOR AND LABORING CLASSES
Workers lead the national liberation movement in Latin America. IA. G. Grigor'ev. Vop. ist. 38 no. 7:195 Jl '63.

LATIN AMERICA—POLITICS
National liberation movement in Latin America after the Second World War. IE. Bezrodnyi. Rad. shk. 42 no. 7:102-106 Jl '63.
Workers lead the national liberation movement in Latin America. IA. G. Grigor'ev. Vop. ist. 38 no. 7:195 Jl '63.

LATIN LANGUAGE—DICTIONARIES—RUSSIAN
[Latin-Russian dictionary. About 20,000 words] Latinsko-russkii slovar'. Okolo 20 000 slov. Izd. 2., dop. A. M. Malinin, sost. Moskva, Gos. izd-vo inostr. i natsional'nykh slovarei, 1961. 763 p. (NN)

LATIN LITERATURE—HISTORY AND CRITICISM
Akademiia nauk SSSR. Institut mirovoi literatury. [Outline history of Roman literary criticism] Ocherki istorii rimskoi literaturnoi kritiki. Moskva, 1963. 309 p.

LATIN POETRY—HISTORY AND CRITICISM
Polonskaia, K. P. [Roman poets in the period of Augustus' principate] Rimskie poety epokhi printsipata Avgusta. [Moskva] Izd-vo Mosk. univ. 1963. 105 p.

LATITUDE see subdivision under Poltava, Ulan Bator

LATITUDE VARIATION
Systems of declinations of the centers of Talcott pairs obtained from observations performed by the International Latitude Service. N. I. Panchenko, P. D. Dvalit. Trudy Polt. grav. obser. 12 110-111 '63.

LATTICE THEORY
Optimality of Voronoi's main lattice of the first type among the first-type lattices of an arbitrary number of dimensions. A. F. Gametskii. Dokl. AN SSSR 151 no. 3:462-464 Jl '63.

LATVIA—AGRICULTURAL MACHINERY—DESIGN AND CONSTRUCTION
Get acquainted with the Northwestern Main Design Office. I. Sterkin. Sel'. mekh. no. 5 p. 2 of cover. 1-3 My '63

LATVIA—COMMUNIST YOUTH LEAGUE—PERIODICALS
Why the "Flame" dimmed? E. Kudriavtseva. Mol. kommunist no. 8:93-94 Ag '63.

LATVIA—FARM MECHANIZATION
Accounting mechanization in the agriculture of Latvia. I. I. Berezneva. Uchet. i fin. v kolkhoz i sovkhoz. 20 no. 8:18-9 '63

LATVIA—FERTILIZERS AND MANURES
Laboratory at the forefront. M. Ivin. Zvezda no. 6: 125-132 Je '62.

LATVIA—FUNGI, PHYTOPATHOGENIC
Coccomyces infection of stone fruit. I. Zerbele, E. N. Luk'ianova. Zashch. rast. ot vred. i bol. 8 no. 5:20-21 My '63.

LATVIA—HEALTH RESORTS, WATERING PLACES, ETC.
Fundamental stages of the development of health resorts and matters pertaining to health resorts in Latvia in the 18th and 19th centuries. K. G. Vasil'ev. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:166-169 Mr-Ap '63.

LATVIA—LAW
Latvian S. S. R. Laws, statutes, etc. [Chronological collection of the laws of the Latvian S. S. R., decrees of the Presidium of Supreme Soviet of the Latvian S. S. R and the regulations of the government of the Latvian S. S. R., 1940-1959] Khronologicheskoe sobranie zakonov Latviiskoi SSR, ukazov Prezidiuma Verkhovnogo Soveta Latviiskoi SSR i postanovlenii pravitel'stva Latviiskoi SSR, 1940-1959. Riga, Latviiskoe gos. izd-vo, 1960. 428 p. (NN)

LATVIA—PEAT INDUSTRY—TECHNOLOGICAL INNOVATIONS
Comprehensive mechanization and labor organization in the peat industry of the Latvian S. S. R. A. Veinberg. Sots. trud 8 no. 6:74-76 Je '63.

LATVIA—POLIOMYELITIS
Organizing the control of poliomyelitis and its consequences in the Latvian S. S. R. E. I. Andreeva. Sov. zdrav. 22 no. 6:93 '63.

LATVIA—REFORESTATION
Reliable and inexpensive method for establishing Norway spruce plantations. J. Kronitis. Les. khoz. 16 no. 5: 22-24 My '63.

LATVIA—RESEARCH
Important tasks confronting scientists in Soviet Latvia. K. K. Plaude. Vest. AN SSSR 33 no. 9:36-41 S '63.

LATVIA—SOIL RESEARCH
Laboratory at the forefront. M. Ivin. Zvezda no. 6: 125-132 Je '62.

LATVIA—SPRUCE

Relland [illegible] inexpensive method for establishing Norway spruce plantations. J. Kronitis. Les khoz. 16 no. 5 22-24 My '63

LATVIA—TUBERCULOSIS

[illegible] structure of tuberculosis incidence, [illegible] and mortality from this disease [in Latvia, summary in French] E. F. Leenats-Kuznetsova. Probl. tub. no. 6 42-47 '62.

LATVIAN LITERATURE—HISTORY AND CRITICISM

[illegible] Soviet Latvian literature. M. Losberga. Voprosy [illegible] 7 no. 7 203-205 Jl '63

LAUNDRIES

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.

Pt. 2 Sec. L. ch. 14. [Laundries, standards of design] Prachechnye, normy proektirovaniia (SNiP II-L. 14-62). 1963. 12 p.

LAVENDER (PLANT) see subdivision under Moldavia

LAW

(see also subdivision under Latvia)

Decision No. 1 of the plenary session of the Supreme Court of the U.S.S.R. of March 14, 1963 on "Invalidation of the [illegible] of some decisions of the plenary [illegible] of the Supreme Court of the U.S.S.R. in civil [illegible]." Biul. Verkh. Suda no. 3 19-23 '63.

Decision of the plenary session of the Supreme Court of the U.S.S.R. of June 20, 1963 on invalidation and amendment of some decisions of the previous plenary sessions of the Supreme Court of the U.S.S.R. in civil and criminal cases. Biul. Verkh. Suda no. 4:26-28 '63

Recent legislative enactments. Sots. zakon. 40 no. 6 88 Je '63

Recent legislative enactments. Sots. zakon. 40 no. 7: 1-64 Jl '63

LAW—BIBLIOGRAPHY see Bibliography—Law

LAW—CASES

Decisions of the plenary session of the Supreme Court of the U.S.S.R. in individual cases. Biul. Verkh. Suda no. 1 24-30 '63.

Decisions of the plenary session of the Supreme Court of the U.S.S.R. in individual cases. Biul. Verkh. Suda no. 4 24-30 '63

How public prosecutors supervise the observance of laws. Sots. zakon. 40 no. 7 85-87 Jl '63

How public prosecutors supervise the observance of Soviet laws. Sots. zakon. 40 no. 6 91-93 Je '63

Rulings of the Judicial Collegium for Criminal Cases of the Supreme Court of the U.S.S.R. Biul. Verkh. Suda no. 3 31-35 '63.

Rulings of the Judicial Collegium for Criminal Cases of the Supreme Court of the U.S.S.R. Biul. Verkh. Suda no. 4 37-41 '63.

Rulings of the Military Collegium of the Supreme Court of the U.S.S.R. Biul. Verkh. Suda no. 4:41-43 '63

LAW—PERIODICALS

Our readers discuss the work of our periodical. Sots. zakon. 40 no. 7 95-96 Jl '63

Our readers discuss the work of our periodical. Sov. iust. no. 12 23 Je '63

LAW—PHILOSOPHY

Aleksandrov, N. G., ed. [Basic theoretical principles of the state and law] Osnovy teorii gosudarstva i prava [By] N. G. Aleksandrov, i dr. Moskva, Gosiurizdat, 1963. 583 p.

Let us disprove anticommunist slander against Soviet law. P. Grishaev. Sots. zakon. 40 no. 6 68-71 Je '63

Problem of the normativeness of legal acts. N. Petrov. Sov. gos. i pravo 33 no. 9 124-133 S '63.

"The 22d Congress of the CPSU and the problems of law and the state." N. B. Zeider. Izv. vys. ucheb. zav.; prav. 7 no. 2:158-165 '63.

LAW—SOURCES

The versions of Prince Iaroslav Vladimirovich's statute. IA. N. Shchapov. Probl. istoch. no. 11:481-513 '63

LAW—STUDY AND TEACHING

(see also subdivision under Cherkassy Province)

Teaching law to school children is an important means for the prevention of juvenile delinquency. A. V. Plekhanov. Sov. gos. i pravo 33 no. 9:117-120 S '63.

Work experience of the "popular universities of legal science." A. Volkov. Sots. zakon. 40 no. 7 40-42 Jl '63

LAW AND ETHICS

Correlation of law and ethics in the work of Soviet courts. P. N. Sergeiko. Sov. gos. i pravo 33 no. 9:24-31 S '63.

LAWYERS

(see also subdivision under Leningrad; Yugoslavia)

International contacts of Soviet lawyers. Sov. iust. no. 9: 1-2 My '63.

LEACHING

Accelerating processes of leaching zinc calcines and an increase in labor productivity. K. T. Akhmetov and others. Trudy Alt. GMNII AN Kazakh. SSR 14 178-190 '63.

Behavior of arsenic in the process of leaching zinc residues in a sulfuric acid solution. V. G. Ageenkov, Z. A. Serikov. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3 85-95 '63.

Behavior of the basic components of blast furnace slags during their hydrochemical processing. A. R. Rakhimov, V. D. Ponomarev, L. P. Ni. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3:111-115 '63.

Bringing titanium concentrates to the required purity by autoclave leaching with silicic acid. M. N. Fedorova. Titan i ego splavy no. 9 36-41 '63.

Effect of ultrasonic waves on the process of leaching hard to dissolve rare metal compounds. N. N. Khavskii and others. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3 106-109 '63.

Kinetics of autoclave leaching of cobalt matte and considerations on the choice of a type of autoclave. G. H. Dobrokhotov, E. B. Maiorova. TSvet. met. 36 no. 8: 31-37 Ag '63.

LEAD

Behavior of lead and zinc in phase and facies magmatic differentiation [with summary in English]. R. D. Gavrilin, L. A. Pevtsova. Geokhimiia no. 8 732-745 Ag '63.

Solubility of lead in the system copper - iron - sulfur. O. G. Miller, M. A. Abdeev. Trudy Alt. GMNII AN Kazakh. SSR 14 110-113 '63.

LEAD—ANALYSIS

Khristoforov, B. S., and E. D. Glotko. [Analysis of the products of the lead industry] Veshchestvennyi analiz produktov svintsovogo proizvodstva. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 94 p.

Polarographic determination of lead and tellurium in technical selenium. R. G. Pats and others. Zav. lab. 29 no. 8:928-929 '63

LEAD—ELECTROMETALLURGY

Investigating the process of the electrolytic refining of lead in a nitric acid electrolyte. V. I. Solov'eva, O. A. Khan. Trudy Alt. GMNII AN Kazakh. SSR 14:75-85 '63

LEAD—METALLURGY

Improvement of shaft furnace lead smelting. N. N. Kubyshev. TSvet. met. 36 no. 8 37-43 Ag '63.

Pilot plant development of a continuous method of lead softening in the presence of alkalies. M. P. Smirnov and others. TSvet. met. 36 no. 8:43-48 Ag '63.

Reducibility of lead sinters. A. E. Gutiev, M. B. Tsaltkova. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3:70-76 '63.

Role of antimony in debismuthizing lead. P. I. Fedorov, V. I. Shachnev. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3:77-84 '63.

LEAD ALLOYS—THERMODYNAMIC PROPERTIES

Thermal expansion of lead chalcogenides. S. I. Novikova, N. Kh. Abrikosov. Fiz. tver. tela 5 no. 7:1913-1916 Jl '63.

LEAD-BERYLLIUM-COPPER ALLOYS see Copper-lead-beryllium alloys

LEAD INDUSTRY see subdivision under Zyryanovsk

LEAD INDUSTRY—BY-PRODUCTS

Electrochemical extraction of copper from slag with the fuming process equipment of the lead industry. A. N. Kviatkovskii and others. Trudy Alt. GMNII AN Kazakh. SSR 14:52-58 '63.

LEAD INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Ust'-Kamenogorsk

LEAD IODIDE

Ice-making properties of lead iodide aerosols, obtained by burning up the metal iodide compounds. I. I. Vernidub and others. Izv. AN SSSR. Ser. geofiz. no. 8:1278-1284 Ag '63.

LEAD ISOTOPES—SPECTRA

Spectrum analysis of Pb_{204}. A. G. Zhiglinskii, A. N. Zaidel, G. G. Kund. Geokhimiia no. 1:88-91 Ja '63.

LEAD ORES

Naphtazolethiones as potential collectors for oxide and sulfide lead and copper minerals. G. N. Tiurenkova, I. A. Kakovskii. Izv. vys. ucheb. zav.; tsvet. met. 6 no. 3:47-50 '63.

LEAD OXIDES—OPTICAL PROPERTIES

Photoelectric and optical properties of lead oxide. V. A. Izvozchikov, M. S. Kosman. Izv. vys. ucheb. zav.; fiz. no. 4:128-135 '63.

LEAD OXIDES—PHOTOELECTRIC PROPERTIES

Photoelectric and optical properties of lead oxide. V. A. Izvozchikov, M. S. Kosman. Izv. vys. ucheb. zav.; fiz. no. 4:128-135 '63.

LEAD PLATING

Cathodic deposition of zinc and lead at high current densities. G. A. Danel'chenko, D. IA. Barbarova, [illegible] Simulin. Ukr. khim. zhur. 29 no. 6:615-618 '63.

LEAD POISONING

Severe tetraethyl lead poisoning. R. B. Malofeeva, V. S. Gorbanovskii. Vrach. delo no. 8 119-[illegible]

LEAD SILICATES—THERMODYNAMICS PROPERTIES

Thermodynamic properties of molten lead silicates. V. I. Minenko, N. S. Ivanova. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3:64-69 '63.

LEAD SULFIDES

Dislocation structure of PbS crystals in the region of concentrated loading. A. A. Urusovskaia, R. [illegible], M. V. Klassen-Neklioudova. Kristallografiia [illegible] 631 Jl-Ag '63.

LEAD SULFIDES—ELECTRIC PROPERTIES

Effect of a strong electric field on the absorption of super high-frequency radiation in photosensitive lead sulfide films. S. N. Cherkalin. Fiz. tver. tela 5 no. 9 2365-2367 Ag '63.

LEAD SULFIDES—TESTING

Electron-microscopic and electron diffraction [illegible] photosensitive lead sulfide films obtained by precipitation from solutions. V. N. Verbitskii and others. Izv. AN SSSR. Ser. fiz. 27 no. 9 1128-1131 S '63.

LEAD-URANIUM DATING

Determining the absolute age of sedimentary rocks [illegible] the lead-uranium method [with summary in English]. A. I. Tugarinov, S. I. Zykov, I. V. Bibikova, [illegible] no. 3:260-263 Mr '63.

LEADERSHIP

Laws and armed combat and the creative work of the commander. M. I. Antukov. Komm. Vooruzh. Sil no. 16:50-57 Ag '63.

LEAF MINERS—EXTERMINATION see subdivision under Armenia

LEAST SQUARES

Use of the method of least squares in solving [illegible] damental plane problems in the mathematical theory of elasticity for regions limited by closed contours. T. D. Akhmedov. Sbor. nauch.-issl. rab. TII no. 1 53-60 '62.

LEATHER

Levenko, P. I. [Experimental use of "Zhiramol" in leather fat-liquoring] Opyt primeneniia zhiramolov v zhirovanii kozh. Moskva, Gizlegprom, 1963. 12 p.

Levenko, P. I. [Use of the LZ-5 plasticizer in the manufacture of leather and industrial fabrics] Primenenie plastifikatora LZ-5 pri proizvodstve kozh i tekhnicheskikh tkanei. Moskva, Gizlegprom, 1963. 28 p.

LEATHER INDUSTRY

Abramovich, I. A. [Purification of sewage waters of leather factories] Ochistka stochnykh vod kozhevennykh zavodov. Moskva, Gizlegprom, 1963. 230 p.

Kuznetsov, B. A., and E. V. Gnevol. [Leather raw materials; fundamentals of the commercial study of materials, evaluation of quality, and primary processing] Kozhevennoe syr'e; osnovy tovarovedeniia; otsenka kachestva i pervichnaia obrabotka. Moskva, Zagotizdat, 1963. 241 p.

Levenko, P. I., and M. A. Khelemskii. [New technological processes in leather manufacture] Novye tekhnologicheskie protsessy v kozhevennom proizvodstve. Moskva, Rostekhizdat, 1963. 150 p.

LEATHER INDUSTRY—EQUIPMENT AND SUPPLIES

Bielanovs'kyi, M. H., and H. M. Shor. [Modernization of the equipment of the leather industry] Modernizatsiia ustatkuvannia shkirianoi promyslovosti. Kyiv, Derzhtekhvydav URSR, 1961. 102 p.

LEAVES—OPTICAL PROPERTIES

Effect of mineral nutrition on the optical characteristics of leaves [with summary in English]. IU. F. Gitlev. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR no. 3 55-61 '63.

Shul'gin, I. A. [Morphological adaptations of plants to light; optical properties of leaves. A lecture from the course "Biology of Plant development"] Morfofiziologicheskie prisposobleniia rastenii k svetu; opticheskie svoistva list'ev. Lektsiia iz kursa "Biologiia razvitiia rastenii." [Moskva] Izd-vo Mosk. univ. 1963. 72 p.

LEBANON—FOREIGN RELATIONS

Discussion in Lebanon: a letter from Beirut. Saad Habib. Nov. vrem. 21 no. 35:8 Ag '63.

LEBEDEV, PETR NIKOLAEVICH, 1866-1912

Lebedev, P. N. [Collected works] Sobranie sochinenii. Red. i primechaniia T. P. Kravtsa, N. A. Kapitsova, A. A. Eliseeva. Stat'i T. P. Kravtsa i N. A. Kapitsova. [Moskva], Izd-vo Akad. nauk SSSR, 1963. 434 p. (Akademiia nauk SSSR. Klassiki nauki)

LECTURES AND LECTURING
(see also subdivision under White Russia)
The lecture as a form for promoting library and bibliographical knowledge in small libraries. F. N. Nikiforova. Sov. bibl. no. 1,27-35 '63.
A volunteer lecturer is on the tribune. E. Klimov. Sov. profsoiuzy 19 no. 13:20-23 Jl '63.

LEECHES see subdivision under Irkutsk Reservoir

LEEKS
Intraspecific classification of leeks. M. A. Panov. Dokl. TSKHA no. 62:365-375 '61.

LEGAL RESEARCH see subdivision under Soviet Far East

LEGENDS, SLAVIC see subdivision under Novgorod (Duchy)

LEGUMES
(see also subdivision under Edintsy District)
Advanced methods for obtaining high yields of peas, feed beans, and other pulse crops. Inform. biul. VDNKH no. 7:31-32 Jl '62.
Advanced methods for obtaining high yields of peas, feed beans and other pulse cultures. Inform. biul. VDNKH no. 5:19 My '62.
Effect of growth promoting substances of petroleum origin on the yield of pulse crops. I. O. Gainutdinov and others. Trudy Kaz. SKHI no. 43:153-155 '61.
Use of leguminous plants to grass lowland meadows rapidly. A. G. Ten. Dokl. TSKHA no. 62:415-422 '61.

LEGUMES—DISEASES AND PESTS see subdivision under Bukovina; Georgia; Russia, Northwestern

LEGUMES—HARVESTING see subdivision under Central Chernozem region

LEGUMINOSAE see subdivision under Kazakhstan

LENIN, VLADIMIR IL'ICH, 1870-1924
A look on the collective work of the leaders of the Communist Party. G. Zhdanov, V. Nazemnov. Komm. Uz. 35 no. 6:93-96 Je '63.
Cigarette lighter. T. Kostina. Moi komm. no. 8:67-69 Ag '63.
Gurevich, S. M. [V. I. Lenin and the statistics of the socialist state] V. I. Lenin i statistika sotsialisticheskogo gosudarstva. Moskva, Gosstatizdat, 1963 181 p.
How V. I. Lenin led the Social Democratic organizations of the Ukraine during preparations for the Second Congress of the Russian Social Democratic Party. M. I. Horbunova. Ukr. ist. zhur. 6 no. 3:24-33 My-Je '63.
Il'ich is forever alive. Part. zhizn' Kazakh. 33 no. 4:3-5 Ap '63.
Inexaustible source. A. I. Kartunova. Vop. ist. KPSS 7 no. 8:117-120 Ag '63.
Learn sensitivity from V. I. Lenin. P. I. Makrushenko. Med. sestra 22 no. 6:38-41 Je '63.
Lenin, V. I. [V. I. Lenin on the work of the soviets] V. I. Lenin o rabote Sovetov. Moskva, Gospolitizdat, 1963. 431 p.
Leninist principles of Soviet foreign policy. P. S. Kolitsov. Vop. ist. KPSS 7 no. 8:121-124 Ag '63.
Lenin's concern for children. L. I. Hurevych. Rad. shk. 42 no. 7:15-16 Jl '63.
Lenin's ideas on the sovereignty of the people. P. Konstantinov. Part. zhizn' Kazakh. 33 no. 6:31-36 Ag '63.
A live conversation with others. M. Kotliarskii. Kryl. rod. 14 no. 9:5-7 S '63.
My reminiscences of V. I. Lenin. V. D. Bonch-Bruevich. Nauka i rel. 4 no. 7:68-69 Jl '63.
Subject matter of the second part of V. I. Lenin's work "Who are these friends of the people and why they struggle with the Social Democrats." I. M. Mrachkovskaia. Vop. ist. KPSS 7 no. 8,65-78 Ag '63.
Tale about a great man. N. Ânov. Part. zhizn' Kazakh. 33 no. 4:5-8 Ap '63.
Talking as a man with men. M. Kotliarskii. Kryl. rod. 14 no. 7:15-17 Jl '63.
Two books on V. I. Lenin's nationalities policy in the period of the early history of the Russian Social Democratic Party and during the first Russian revolution. Z. V. Stepanov. Vop. ist. 38 no. 7:132-135 Jl '63.
Unfading image of our great leader. S. Vasil'ev. Vop. ist. KPSS 7 no. 9:118-120 S '63.
V. I. Lenin and the Bolshevik organization in the city of Ekaterinoslav. G. M. Derenkovskii, S. S. Kaplun, Iu. I. Kir'ianov. Vop. ist. KPSS 7 no. 8 128-131 Ag '63.
V. I. Lenin and the G. A. Euklin Library in Geneva. K. I. Abramov, V. A. Kuz'ko. Vop. ist. KPSS 7 no. 9:69-70 S '63.
V. I. Lenin and the gradual mastery of Bolshevik theory by M. N. Pokrovskii [with summary in English, pp. 220-221]. O. D. Sokolov. Vop. ist. 38 no. 8:30-41 Ag '63.
V. I. Lenin and the problem of irrigation in Azerbaijan. A. A. Sarkisov. Vop. ist. KPSS 7 no. 9:48-57 S '63.
V. I. Lenin and the revolutionary movement in the East. E. M. Zhukov. Vop. ist. KPSS 7 no. 8,54-64 Ag '63.
V. I. Lenin as a library reader in the Academy of Sciences. N. I. Kats. Vop. ist. KPSS 7 no. 8 86-90 Ag '63.
V. I. Lenin on socialist legality and the objectives of Soviet public prosecutors. R. D. Rakhunov. Vop. krim. no. 6/7 3-14 '62.
V. I. Lenin on the role of creative imagination. Iu. Stolia'rova. Nauch. rab. i soob. Otd. obshchestv. nauk AN Uz SSR 5:15-24 '62.
V. I. Lenin on training and education. Nach. shkola 31 no. 10 90 O '63.
V. I. Lenin's notebooks on the agrarian problem, on the publication of the fourth edition of volume 40 of V. I. Lenin's works. B. P. Kuznetsov. Vop. ist. KPSS 7 no. 8 107-111 S '63.

LENIN, VLADIMIR IL'ICH, 1870-1924—MUSEUMS, RELICS, ETC.
Eternal light. Oleksandr Khablo. Ukraina no. 20:1 Ag '63.
Kuybyshev. Dom-muzei V. I. Lenina. [Guidebook] Putevoditel' [Avtory teksta T. N. Markovskaia i G. E. Stepanova. Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963 73 p.

LENIN IN LITERATURE AND ART
The bliss of creation. K. Tel'zhanov. Part. zhizn' Kazakh. 33 no. 4:9-10 Ap '63.
How I worked on my novel "The Ul'ianov family." Marietta Shaginian. Vop. lit. 7 no. 7 88-101 Jl '63.
Inexhaustible source of inspiration. G. Zhubanova. Part. zhizn' Kazakh. 33 no. 4:8-9 Ap '63.

LENIN PRIZES
Laureates of Lenin Prizes for the most distinguished achievements in literature and art. Iskusstvo 26 no. 5 2 '63.

LENINABAD—SEPULCHRAL MONUMENTS
Archaeological explorations at the Sheikh Muslikhiddin Mausoleum in Leninabad. N. B. Nemtseva. Trudy Inst. ist. AN Tadzh. SSR 34. Arkheol. rab. v Tadzh. SSR no. 8:153-154 '62.

LENINGRAD
Kommunisticheskaia partiia Sovetskogo Soiuza. Leningradskii oblastnoi komitet. [On the 250th anniversary of Leningrad; abstracts] O dvukhsotpiatdesiatiletii Leningrada; tezisy [Leningrad] Lenizdat, 1067. 39 p.
(MH)

LENINGRAD—ATHLETIC CLUBS
From the machine to the sport grounds. Iu. Popov. Komsom. zhizn' no. 15/16 49-52 Ag '63.

LENINGRAD—AUDITING AND INSPECTION
Bureau of economic analysis. E. Grol'man, I. Zavol'skaia. Den. i kred. 21 no. 8:58-60 Ag '63.

LENINGRAD—CAB AND OMNIBUS SERVICE
Petukhov, V. M. [Work organization of taxi transportation in Leningrad] Organizatsiia raboty legkovogo taksomotornogo transporta v Leningrade. Moskva, Avtotransizdat, 1963. 41 p. (Obmen tekhnicheskim opytom avtotransportnykh predpriiatii)

LENINGRAD—COMMUNIST YOUTH LEAGUE
"Retirement" of the logarithmic slide rule. K. Ivanov. Mol. komm. no. 7:82-84 Jl '63.

LENINGRAD—CORRESPONDENCE SCHOOLS AND COURSES
Correspondence school for training specialists. A. F. Glushchenko. Zashch. rast. ot vred. i bol. 8 no. 7:0-11 Jl '63.

LENINGRAD—DIESEL ENGINES
Worker's conscience. K. Grigor'eva. Mashinostroitel' no. 7:3-4 Jl '63.

LENINGRAD—EVENING AND CONTINUATION SCHOOLS
Practice of Leningrad schools. M. K. Ermakova. Vech. sred. shkola 6 no. 3:89-91 My-Je '63.

LENINGRAD—EXHIBITIONS
Standardization exhibition in Leningrad. L. M. Sverdlov, R. P. Stukalov. Standartizatsiia 27 no. 7:51-54 Jl '63.

LENINGRAD—FLOUR MILLS
Pneumatic conveying at the grinding section of the Leningrad Kirov Milling Combine. A. Chakar. Muk.-elev. prom. 29 no. 3 11-12 Mr '63.

LENINGRAD—INDUSTRIES
The Leningrad "Smena" as our guest. B. Elkin and others. Mol. komm. no. 9:44-53 S '62.

LENINGRAD—INSTRUMENT INDUSTRY—MANAGEMENT
Firms are introducing electronic calculating machines. M. Begidzhanov, IA. Pivovarov. Sots. trud 8 no. 6:81-87 Je '63.

LENINGRAD—JUDGES
A conference of Leningrad judges. L. A. Sov. iust. no. 9:17 My '63.

LENINGRAD—LABOR AND LABORING CLASSES
A new book on Saint Petersburg workers. N. I. Kats. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Ist. KPSS no. 4:233-238 '63.

LENINGRAD—LAWYERS
He loves his profession. I. Ostrukov. Sov. iust. no. 9 22-23 My '63.

LENINGRAD—MACHINE TOOL INDUSTRY
From the machine to the sport grounds. Iu. Popov. Komsom. zhizn' no. 15/16 49-52 Ag '63.

LENINGRAD—MACHINERY INDUSTRY
Visible features of communism. P. S. Chernyshev. NTO 5 no. 6,5-6 Je '63.

LENINGRAD—MANUSCRIPTS
Slavic and Old Russian manuscripts of the A. M. Gor'kii Library of Leningrad University [with summary in English]. E. M. Shustorovich. Vest. LGU 18 no. 14: 110-115 '63.

LENINGRAD—MATHEMATICAL SOCIETIES
Meetings of the Leningrad Mathematical Society. Usp. mat. nauk 18 no. 4:223-228 Jl-Ag '63

LENINGRAD—PRINTING INDUSTRY—PRODUCTION STANDARDS
Establishing work norms in printing shops. G. Selivanova, Z. Aleksandrova. Sots. trud 8 no. 6:128-133 Je '63.

LENINGRAD—RESTAURANTS, LUNCHROOMS, ETC.
How is the food at home?.. It's more tasty! (remarks by a director of a workingmen's lunchroom). V. Brailich. Zvezda no. 6 133-138 Je '62.

LENINGRAD—REVOLUTION, 1917-1921
"Early history of the Soviet regime; the Petrograd Bolsheviks in the first months of the dictatorship of the proletariat" by A. V. Krasnikova. Reviewed by S. S. Khesin. Vop. ist. 38 no. 7:130-142 Jl '63.

LENINGRAD—RUSSIAN SOCIAL DEMOCRATIC PARTY
Valuable study. T. IU. Burmistrova. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Ist. KPSS no. 4:230-233 '63.

LENINGRAD—SERVICE INDUSTRIES—GUIDEBOOKS
Leningrad. Ispolnitel'nyi komitet. [Public service enterprises, a promotional handbook on the city of Leningrad] Predprinitiia bytovogo obsluzhivaniia; reklamnyi spravochnik po gorodu Leningradu. [Leningrad] 1963. 109 p.

LENINGRAD—SHIPBUILDING
Work practices of the local organization of the Scientific Technological Society for the Admiralteiskii Plant. N. I. Pirogov. Sudostroenie 29 no. 7:01-02 Jl '63.

LENINGRAD—SOCIALIST COMPETITION
History of socialist competition in Leningrad. O. I. Sikaratan. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Ist. KPSS no. 4:238-243 '63.
Leningrad. (Province) Gosudarstvennyi Arkhiv Oktiabr'skoi revoliutsii i sotsialisticheskogo stroitel'stva. [A generation of shock workers; a collection of documents and materials on socialist competition in Leningrad industrial plants in 1928-1961] Pokolenita udarnikov; sbornik dokumentov i materialov o sotsialisticheskom sorevnovanii na predpriiatiiakh Leningrada v 1928-1961 gg. [Leningrad] Lenizdat, 1963. 454 p.

LENINGRAD—SPIRES
Centennial of the erection of the steel cathedral spire on the Peter and Paul Fortress in Leningrad. M. I. Vorobin. Shor. trud. LIIZHT no. 101:130-143 '62.

LENINGRAD—VOCATIONAL EDUCATION
Educational practice in Leningrad. D. G. Dubkovskii. Shkola i proizv. 7 no. 8:23-25 Ag '63.
Industrial training at a metallurgical plant. A. A. Grazdev. Shkola i proizv. 7 no. 9:37-39 Ag '63.
Students are our reserves. I. I. Saf'ianis. Shkola i proizv. 7 no. 9:29-30 Ag '63.

LENINGRAD ECONOMIC REGION—SHIPBUILDING
Activity of the Bureau of Economic Analysis in Shipbuilding Enterprises of the Leningrad Economic Region. S. P. Avenirov, S. P. Loginov. Sudostroenie 29 no. 7:68-69 Jl '63.

LENINGRAD ECONOMIC REGION—TELEVISION—EQUIPMENT AND SUPPLIES
At the Industrial Exhibition of Leningrad Economic Region. Tekh. kino i telev. 6 no. 7:01 Jl '61.

LENINGRAD PROVINCE—BAR ASSOCIATIONS
Widespread participation of lawyers in community life. T. Larina. Sots. zakon. 40 no. 7 32 Jl '63.

LENINGRAD PROVINCE—CONIFERAE
Results of interspecific and intergeneric grafting of valuable conifer species. I. N. Nikitin. Les. khoz. 16 no. 6:32-36 Je '63.

LENINGRAD PROVINCE—DRAINAGE
Land improvement methods for the tillage of excessively wet soils. V. K. Panov. Zemledelie 25 no. 7:20-30 Jl '63.

LENINGRAD PROVINCE—PINE

Using growth promoting substances of petroleum origin in pine plantations. V. P. Golovashchenko. Les khoz 16 no 6 35-37 Je '63

LENINGRAD PROVINCE—SHIPBUILDING

From materials of report conferences. T. I. Kleshcheva Sudostroenie 29 no. 7 79-81 Jl '63

LENINGRAD PROVINCE—SUGAR BEET BREEDING

Sugar beet seeds are grown near Leningrad N I Ivanov Biul v-oluz t 3 4 34 Jl-A '63

LENINGRAD PROVINCE—TILLAGE

Land improvement methods for the tillage of excessively wet soils. V. K. Pano. Zemledelie 25 no. 7 20-30 Jl '63.

LENINGRAD REGION—FERTILIZATION OF PLANTS

Pasture, leather and fruit bearing of wood. plants. N. P. Bulygin. Priroda 52 no 9 120 Ag '63

LENINGRAD REGION—GUIDEBOOKS

Russia (1923- U.S.S.R.) Glavnoe upravlenie geodezii i kartografii. [The Leningrad environs, a tourist's guide] Okrestnosti Leningrada turisticheskaia skhema [Moskva, 1963.] 17 p

LENINGRAD REGION—VEGETABLE GARDENING

For the table of city dwellers. L. Il'in. Sov. profsoiuzy 19 no. 13 16-17 Jl '63.

LENIVAYA VALLEY—PALEONTOLOGY, STRATIGRAPHIC

Fauna in the sediments of a 120-140 meter sea terrace of the lower Lenivaya (Khariton Laptev Coast). V. A. Basov, V. D. Dibner. Sbor. st. po paleont. i biostrat. no 28 42-50 '62.

LENIVAYA VALLEY—TERRACES (GEOLOGY)

Fauna in the sediments of a 120-140 meter sea terrace of the lower Lenivaya (Khariton Laptev Coast). V. A. Basov, V. D. Dibner. Sbor. st. po paleont. i biostrat. no 28 42-50 '62.

LENKORAN DISTRICT—CORN (MAIZE)

Some regularities in the growth and development of corn with a different density of the stand. V. G. Sulaimanov. Dokl. TSKHA no. 62 45-52 '61.

LENKORAN LOWLAND—FOREST REPRODUCTION

Characteristics of natural reforestation in mountain areas of the Lenkoran Lowland. G. N. Suleimanov. Les khoz. 16 no. 5 14-15 My '63

LENKORAN LOWLAND—TEA BREEDING

Artificial additional pollination of tea plants in the subtropics of the Azerbaijan S.S.R. M. A. Mamedov. Agrobiologiia no. 4 606-610 Jl-Ag '63.

LENSES

Average diffraction pattern in the focal plane of a lens [with summary in English] N. G. Denisov, V. I. Tatarskii. Izv. vys. ucheb. zav., radiofiz. 6 no 3 488-494 '63

Systems of quadrupole lenses. A. D. Dymnikov, L. P. Ostanina, S. IA. Livor. Zhur. tekh. fiz. 33 no 4 393-397 Ap '63.

Using special charts for designing isoplanatic systems. A. P. Dmitriev. Izv. vys. ucheb. zav., prib. 6 no 3 118-123 '63.

LENSES, PHOTOGRAPHIC

Depth of definition of lenses and new systems of motion-picture photography. A. A. Lapauri. *Tekh. kino i telev.* 5 no. 7:10-20 Jl '61.

LEOPARD MOTH—EXTERMINATION

An interesting monograph. B. V. Dobrovol'skii. Zashch. rast. ot vred. i bol. 8 no 7 61 Jl '63

LEPTOSPIROSIS see subdivision under Kabardino-Balkar *A.S.S.R.*

LEPTOSPIROSIS—PREVENTION see subdivision under Kirghizistan

LERMONTOV, MIKHAIL IUR'EVICH, 1814-1841

Rez, Z. IA. [Studying M. IU. Lermontov in school] M. IU. Lermontov v shkole. *Izd. 2., dop.* Leningrad, Uchpedgiz, 1963. 221 p.

LESKOV, NIKOLAI SEMENOVICH, 1831-1895

An unfinished tale by N. S. Leskov. A. L. Panina. Zap. Otd. ruk. no. 25 389-405 '62

LETNIK, SEMAN FEODOROVICH, 1882 (?)-1962

In memoriam of Professor Seman Fedorovich Letnik. Vest. otorin. no. 1 123 '63.

LEUCOCYTES

Changes in the migration of white blood cells from the oropharyngeal mucosa in disorders of secretory activity of the stomach. M. A. Onanova. Vest. otorin. no. 1 64-69 '63

Tuberculous changes in the bone marrow and leukemoid reactions [with summary in English]. E. D. Timasheva. Probl. tub. 41 no 3:58-64 '63.

LEUCOPENIA

Some characteristics of the mechanism of leucopenia in acute radiation shock. V. M. Voitiuk. Med. rad. 7 no. 11 82-83 N '62

LEUCOXENE see subdivision under Timan Ridge

LEUKEMIA

Inclusion of C^{14}-labeled glycine in the hematopoietic cells of patients with leukemia [with summary in English]. G. I. Kozinets, G. V. Osechenskaia. Med. rad. 7 no. 11 53-59 N '62

Pathomorphological changes in the heart in leukemia [with summary in English]. P. I. Sheinin. Vrach. delo no. 8 18-23 Ag '63.

Unusual case of esophageal cancer combined with chronic myeloid leukemia [with summary in English]. I. G. Blashkina, V. L. Toluzakov. Vop. onk. 9 no 2:101-103 '63

LEVEL (SURVEYING INSTRUMENT)
(see also subdivision under Hungary)

New compensators for levels. M. S. Cheremisin. Trudy TSNIIGAIK no. 154 35-80 '63.

Work experience with an NSM-2 level in underground surveying. L. A. Denisenko. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3.11-15 '63

LEVEL INDICATORS

The ESU-2 two-range electronic level indicator. A. I. Chernishov. Priborostroenie no. 9 28 S '63.

LEVELING

Determination of vertical displacements of the earth's crust in the Surkhob Valley. I. I. Entin, I. N. Meshcheriakii. Trudy TSNIIGAIK no. 154 91-106 '63.

LEVIN, MAKSIM GRIGOR'EVICH, 1904-1963

Maksim Grigor'evich Levin; obituary. Vop. ist. 38 no. 8:219 Ag '63.

LEVOMYCETIN

Pharmacodynamics of levomycetin, syntomycin and semonovocillin-1 in experiments on healthy lambs. K. Amanov. Izv. AN Turk. SSR, Ser. biol. nauk no. 4:80-83 '63

LIABILITY (LAW)

Direct and indirect injury. G. K. Matveev. Izv. vys. ucheb. zav.; prav. 7 no. 2:51-58 '63.

Implementation of rules on the liability of workers and employees. V. Karavaev. Sov. iust. no. 14, 7-8 Jl '63.

Let us increase the liability for loss of socialist property. M. Markov, V. Skobelkin, V. Kel'der. Sov. iust. no. 9-13-15 My '63

Vel'dnikov, V. G., and A. IU. Kabalkin. [Compensation for injuries received in the process of the protection of socialist property] Vozmeshchenie vreda, ponesennogo grazhdaninom pri spasanii sotsialisticheskogo imushchestva. Moskva, Gosiurizdat, 1963. 64 p.

LIABILITY FOR AIRCRAFT ACCIDENTS

Liability for injuries according to the new code of air laws. L. Maidanik. Sov. iust. no. 12:3-4 Je '63.

LIABILITY FOR MARINE ACCIDENTS see subdivision under Great Britain

LIBRARIES

Brief news. Sov. bibl. no. 4:155-158 '63.

Public library and its mission. V. A. Ambartsumian. *Bibliotekoved. i bibl. za rub.* no. 11:178-181 '63.

LIBRARIES, CHILDREN'S
(see also subdivision under Bulgaria; Czechoslovakia; Germany, East, Hungary; United States)

Library service for children abroad. N. B. Medvedeva. *Bibliotekoved. i bibl. za rub.* no. 11 5-19 '63.

LIBRARIES, SPECIAL see subdivision under Europe, Western

LIBRARIES, UNIVERSITY AND COLLEGE see subdivision under Europe, Western

LIBRARIES, WORKINGMEN'S see subdivision under Dnepropetrovsk Province

LIBRARIES AND *READERS*

The lecture as a form for promoting library and bibliographical knowledge in small libraries. F. N. Nikiforova. Sov. bibl. no. 4:27-35 '63.

LIBRARY CONFERENCES

Brief news. Sov. bibl. no. 4:128-130 '63.

"Lomonosov Conference" of 1963. T. L. Parnes. Sov. bibl. no. 4:124-126 '63.

LIBRARY COOPERATION see subdivision under Moscow

LIBRARY EXHIBITS see subdivision under Lower Volga Economic region

LIBRARY SCIENCE

Discussion on the periodical publication "Library Science and Bibliography Abroad." T. I. Skripkina. Sov. bibl. no. 4:121-124 '63.

LIBYA—COMMERCE—RUSSIA

Useful agreement; an interview. Nov. vremia. Jl no. 31 8 Ag '63.

LICHENS see subdivision under Bet-Pak-Dala

LIDICE, CZECHOSLOVAKIA—WORLD WAR, 1939-1945. ATROCITIES

The garden will bloom! Vokrug sveta no. 1 33 Ja '63

LIE ALGEBRAS

Lie algebras with identical relations. V. N. Latyshev. Sib. mat. zhur. 4 no. 1:121-129 Jl-Ag '63

Zero divisors and nil-elements in a Lie algebra. V. N. Latyshev. Sib. mat. zhur. 4 no 4:840-846 Jl-Ag '63

LIEBKNECHT, KARL, 1871-1919

In memory of a fighter. John Reed's notes on Karl Liebknecht. Vop. ist. KPSS 7 no 8 79 Ag '63

LIEPAJA—GLIDING AND SOARING

The club gains altitude. A. Vinokurov. Kryl. rod. 12 no. 7.30-31 Jl '63.

LIFE—ORIGIN

Soveshchanie Komissii po Kosmogonii Astronomicheskogo soveta Akademii nauk SSSR, Moscow, 1962. [On the origin of life in the universe] Vozniknovenie zhizni we Vselennoi; sbornik dokladov. Moskva, 1963. 95 p.

LIFE ON OTHER PLANETS

Enigmas and discoveries. Nauka i tekh. 4 no. 7 10-11 Jl '63.

Soveshchanie Komissii po Kosmogonii Astronomicheskogo soveta Akademii nauk SSSR, Moscow, 1962. [On the origin of life in the universe] Vozniknovenie zhizni we Vselennoi; sbornik dokladov. Moskva, 1963. 95 p.

LIGHT—PHYSIOLOGICAL EFFECT

Autumnal reproduction of geese induced by differentiated light regime. P. A. Vundel. Nauch. dokl. vys. shkoly, biol. nauki no. 3:75-77 '63.

Distribution of induced potentials in the cerebral cortex of rabbits under the influence of light stimuli of various brightness [with summary in English]. V. B. Rozhkov. Zhur. vys. nerv. deiat. 13 no. 2 301-305 Mr-Ap '63

Induced potentials of the optic chiasm in rabbits during stimulation of the eye with a single light flash [with summary in English]. P. G. Bedniova. Zhur. vys. nerv. deiat. 13 no. 2 291-300 Mr-Ap '63

LIGHT—SCATTERING

Coherence of states in modulated light scattering [with summary in English]. O. V. Konstantinov, V. I. Perel'. Zhur. eksp. i teor. fiz. 45 no 2:380-384 Ag '63

LIGHT, WAVE THEORY OF

Fresnel's light waves. O. A. Lozhneva. Priroda no. 8:82-84 Ag '63

LIGHTING—BIBLIOGRAPHY see Bibliography - Lighting

LIGHTWEIGHT CONCRETE

Abbreviated system of heat and moisture treatment of nonautoclaved foam silicate concrete. V. A. Voronin, G. P. Fedoseev. Izv. vys. ucheb. zav., stroi. i arkhit. 6 no. 2:118-120 '63.

Manufacture of large, cellular concrete elements. Stroitel' 9 no. 5 1-3 My '63

LIGHTWEIGHT CONCRETE—TESTING

Effect of the speed of loading on the strength and deformations of keramzit concrete samples. D. V. Akulich. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 2:110-114 '63.

LIGNIN

Effect of lignin on the process of beating and the strength of paper. N. P. Perekal'skii, V. F. Filatenkov. Trudy LTITSBP no. 8:39-45 '61.

Interaction of diethylchlorothiophosphate with hydrolytic lignin and its derivatives. I. A. Perekhal'skii, S. P. Zhdanovskii. Izv. TPI 111 48-50 '61

LIGNITE
(see also subdivision under Ural Mountain region)

Dynamics of gas generation during thermal treatment of lignite with high-speed superheating. N. F. Kyzasov. Trudy Ural. politekh. inst. no. 108, 39-49 '61.

Role of secondary reactions in the process of thermal decomposition of Bashkirian lignite. G. K. Rubanov. Trudy Ural. politekh. inst. no 108 57-65 '61.

LIGNITE—TESTING

Effect of the moisture content of Moscow-region lignite on the processes of drying, calcination and change of volatiles in a layer in case of top firing. V. A. Tarlikov. Sbor. nauch. trud. NII no. 10:10-30 pt. 2 '62.

LIME

Korol'kov, I. I., and Z. A. Tiagunova. [Continuous neutralization of hydrolysates] Nepreryvnaia neitralizatsiia gidrolizatorov. Moskva, TSentr. in-t tekhn. informatsii i ekonom. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963. 31 p. (Gidroliz i lesokhimiia)

[MICROFILM]

LIME (Continued)

Mechanization of wet lime storage cells transportation operations. V N Mamin Elek sta 34 no 6 80-81 Je '63

Study of the processes of hardening of ash lime binders by X-ray analysis and by means of an electron microscope P G Usov N S Dubovskaia Izv TPI 111 70-76 '61

LIMESTONE
(see also subdivision under Syukhyub region)

The effect of the quality of crushed limestone upon the strength of concrete. V I. Bui. Trudy BIIZHT no. 10: 25-36 '61.

Influence of a limestone aggregate upon the strength and deformability of concrete. V. I. Bui. Shor. trud. LIIZHT no. 181:24-33 '62.

LIMING OF SOILS

Determining calcium and magnesium in liming materials by the trilonometric method. N. I. Aliamovskii, V. A. Vorob'eva. Trudy VIUA no. 38 246-259 '61.

Effect of liming on the organic substances of soils and fertilizers. S. G. Shederov. Trudy VIUA no. 38:117-127 '61.

Effect of magnesium applied during the liming of soils on the yield of root crops. G. I. Semenova. Trudy VIUA no. 38 73-92 '61.

Effect of soil liming combined with the use of organic and mineral fertilizers on the acidity of soils. M. F. Sokolova. Trudy VIUA no. 38 150-161 '61.

Effect of soil liming combined with the use of organic and mineral fertilizers on the improvement of long-fallowed lands in Archangel Province. L. I. Akishin. Trudy VIUA no. 38:140-150 '61.

Effect of the waste of magnesium casting slag and dolomite dust on the agrochemical properties of turf-Podzolic soils, yield of farm crops and its quality. N. A. Murashov. Trudy VIUA no. 38:210-236 '61.

Effectiveness of simultaneous use of lime and farm manure in turf-Podzolic soils. M. M. Romanenkova. Trudy VIUA no. 38:127-139 '61

Effectiveness of various amounts of lime in crop rotations with perennial grasses. O. K. Kedrov-Zikhman. Trudy VIUA no. 38 92-104 '61.

Liming of soils in crop rotations with potatoes and flax. S. G. Shederov. Trudy VIUA no. 38:104-117 '61.

Peat ash as a liming material. N. I. Aliamovskii, V. A. Vorob'eva. Trudy VIUA no. 38:161-191 '61.

Results of the study of the simplest methods for a chemical analysis of liming materials. N. I. Aliamovskii. Trudy VIUA no. 38. 260-274 '61.

Results of using Ca^{45} in studying the liming of soils and the effect of the radiation of that radioisotope on farm plants. O. K. Kedrov-Zikhman, F. I. Semenova, A. N. Kozhevnikova. Trudy VIUA no. 38:26-73 '61.

Using molybdenum in the non-Chernozem belt of the Soviet Union. O. K. Kedrov-Zikhman. Trudy VIUA no. 38 275-286 '61.

Waste of apatite and nepheline dressing plants as liming materials. N. I. Aliamovskii. Trudy VIUA no. 38: 191-207 '61.

Waste of cement plants as liming materials. N. I. Aliamovskii. Trudy VIUA no. 38:208-212 '61.

Waste of the vanadium industry as liming material. N. I. Aliamovskii, A. P. Kevorkov. Trudy VIUA no. 38: 212-217 '61.

Work results of the Soil Liming Laboratory of the All-Union Scientific Research Institute of Fertilizers and Soil Science, 1932-1959. O. K. Kedrov-Zikhman. Trudy VIUA no. 38. 7-27 '61.

LIMING OF SOILS—ECONOMIC ASPECTS

Economic effectiveness of soil liming. S. G. Shederov. Trudy VIUA no. 38:236-246 '61.

LIMITATION OF ACTIONS

From the practice of arbitration agencies. Sov. iust. no. 14:32 Jl '63.

LINEAR ALGEBRAS see Algebras, Linear

LINEAR DIFFERENTIAL EQUATIONS see Differential equations, Linear

LINEAR EQUATIONS

Algorithm for solving the problem of convex Chebyshev approximation. S. I. Zukhovitskii, R. A. Poliak, M. E. Primak. Dokl. AN SSSR 151 no. 1:27-30 Jl '63.

LINEAR PROGRAMMING

Multidimensional problems of linear programming similar to the transportation problem. B. S. Verkhovskii. Dokl. AN SSSR 151 no. 3:515-518 Jl '63.

Use of linear programming in planning agricultural production. E. A. Finn. Nauch. trudy UNIIMESKH 4:140 '62.

Utilizing mathematical methods in the operational planning of the work of automotive transportation. D. Belov, V. Bobarykin. Vop. ekon. no. 8:110-116 Ag '63.

LINEN—TESTING

Effect of the compression of the linen fiber mass on its physicomechanical properties. B. P Komarov. Izv. vys. ucheb. zav.; tekh. tekst. prom. no. 3.27-33 '63.

LINEVKA REGION (ORENBURG PROVINCE)—POTASSIUM SALTS

Geology and mineropetrographic characteristics of the halogen rocks in the Linevka structure. M L Voronova and others Trudy VSEGEI 83 117-127 '62

LINKHOVOIN, IKHASARAN, 1923-

Coeval of the republic. V. Krupin. Ogonek 41 no. 28:16 Jl '63.

LINSEED OIL—THERAPEUTIC USE

Use of linetol for treating cerebral atherosclerosis under polyclinic conditions. I. P. Fesenko. Sov. med. 27 no. 7 93-94 Jl '63

LINTERS

Meikin, I. B., N. D. Solov'ev, and I. I. Khokhlov. [Linting of cottonseeds] Linterovanie khlopkovykh semian. Moskva, Gizlegprom, 1963 268 p.

LIPETSK PROVINCE—TEACHING

Bulgarian teachers in Lipetsk. Khristo Vasilev. Nar. obr. no. 8 97-98 Ag '63.

LIPID METABOLISM

Study of the lipolytic activity of the blood plasma in patients with atherosclerosis [with summary in English]. M. V. Bavina, N. M Lobova. Kardiologiia 3 no. 3.53-57 My-Je '63.

LIPIDS

Distribution of polar and apolar lipids in a phase-inverted chromatographic system. A. G. Vereshchagin. Dokl. AN SSSR 152 no. 1:221-224 S '63.

Lipids of the dehydrogenase preparation from the cytoplasmic membranes of Micrococcus lysodeicticus. A. I. Oparin and others. Dokl. AN SSSR 152 no. 1:228-230 S '63.

LIPOLYSIS

Histochemical study of the activation of lipolytic enzymes in response to local cholesterol administration. V. I. Derbas. Dokl. AN SSSR 151 no. 3 691-693 Jl '63.

LIPOPROTEINS

Changes of lipoproteins and protein fractions of the blood serum in pulmonary tuberculosis. V. A. Korlokin Probl. tub. no. 8:49-55 '62.

Influence of occupational physical strain and other factors on the blood cholesterol and lipoprotein levels [with summary in English] G A Gol'dberg Kardiologiia 3 no. 3 62-68 My-Je '63

Isolation and characteristics of lipoproteins from bean chloroplasts. E. N. Bezinger and others. Dokl. AN SSSR 151 no. 3:722-724 Jl '63.

LIPS—CANCER see subdivision under Kirghizistan

LIQUID CRYSTALS

Chemical characteristics, structure, and properties of liquid crystals. V. A. Usol'tseva, L. G. Chistiakov. Usp. khim. 32 no. 9:1124-1151 S '63.

Structure of α-benzolazo-(anisal-α'-naphthylamine) in a vitrified liquid crystalline state I G. Chistiakov, B K Vainshtein Kristallografiia 8 no 4 570-577 Jl-Ag '63.

LIQUID FERTILIZERS AND MANURES

Placement of liquid fertilizers. P. Voitov. Tekh. v sel'khoz. 23 no. 5 18-20 My '63.

LIQUID HELIUM

Transistorized device for measuring the level of liquid helium. IA. I. Rozenberg, V. G. Kasatkin. Prib. i tekh eksp. 8 no. 3:203 My-Je '63.

LIQUID HYDROGEN

Evaporability of liquid hydrogen kept in SD-10G vessels. I. IU. Shebalin. Prib. i tekh. eksp. 8 no 3:201-202 My-Je '63.

Hydrogen liquefiers with high-efficiency E. S. Borovik, I. F. Mikhailov, N. A. " tekh. eksp. 8 no. 3:165-168 My-Je

LIQUID METALS—ELECTRIC PROPE

Effect of the specific resistance of of smelting on the performance of G. F. Platonov. Trudy Alt. GMNII A 134-140 '63.

LIQUID METALS—TESTING

Electron transfer in liquid binary me Belashchenko and others. Izv. vys. met. 6 no. 7:165-159 '63.

LIQUIDS

Volumetric properties of binary liqui interacting components. IU. IA. Fis zhur. 29 no. 6 576-582 '63.

LIQUIDS—THERMAL PROPERTIES

TSederberg, V. N. [Thermal conduct liquids] Teploprovodnost' gazov i z Gosenergoizdat, 1963. 407 p.

LISIANSKAIA, F. M.

Museum dedicated to the memory of E. I. Demikhovskii. Sov. zdrav. 22

LISSAJOUS' CURVES

Problem of the division of a lemniscate. Part 1. I. G. Mel'nikov. Uch. zap. Ped. inst. Gerts. 197 20-30 '58.

Problem of the division of a lemniscate. Part 2. I. G. Mel'nikov. Uch. zap. Ped. inst. Gerts. 197 30-42 '58.

LITERARY SOCIETIES see subdivision under Moscow, Ukraine

LITERARY STYLE see Style, Literary

LITERATURE see subdivision under Europe, Eastern, Russia, Northern

LITERATURE—AESTHETICS

Gus, M. S. [Literature and an era; literary criticism] Literatura i epokha; literaturno-kriticheskie stat'i. Moskva, Sovetskii pisatel', 1963 361 p.

LITERATURE—BIBLIOGRAPHY see Bibliography—Literature

LITERATURE—HISTORY AND CRITICISM

Principles of contemporary literary development. I Anisimov. Vop lit. 7 no. 7 16-32 Jl '63

LITERATURE—HISTORY AND CRITICISM—BIBLIOGRAPHY see Bibliography—Literature—History and criticism

LITERATURE—PHILOSOPHY

Volyns'kyi, P. K. [Basic theory of literature; an introduction to literary science] Osnovy teorii literatury; vstup do literaturoznavstva. Kyiv, "Radians'ka shkola," 1962 350 p.
(InU)

LITERATURE, COMPARATIVE—RUSSIAN AND FINNISH

A book about Finnish literature V. Sukhanova Vop lit 7 no. 7 228-230 Jl '63

LITHIUM

Factors affecting the endogenetic distribution and concentration of beryllium and lithium. V. V. Shcherbina and others Min syrie no. 7:18-27 '63

LITHIUM CHROMITE FERRITE—MAGNETIC PROPERTIES

Temperature dependence of the intensity of magnetization during heating or cooling of lithium ferrite-chromite in weak magnetic fields. A. I. Drokin, R. P. Smolin, L. I. Riabinkina. Fiz. tver. tela 5 no. 8:2059-2064 Ag '63.

LITHIUM ORGANIC COMPOUNDS

Polymerization of isoprene and butadiene under the effect of insoluble organolithium compounds [with summary in English]. N. I. Nikolaev and others. Vysokom. soed. 5 no. 6 811-815 Je '63.

Polymerization of unsaturated compounds under the effect of lithium diethylamide [with summary in English]. P. A. Vinogradov, N. N. Basaeva. Vysokom. soed. 5 no. 6:850-853 Je '63.

Structure of complexes formed by aliphatic organolithium compounds A N. Rodionov and others. Dokl AN SSSR 151 no. 5:1131-1134 Ag '63.

Synthesis of deuterio-substituted organolithium compounds. T. V. Talalaeva, A. N. Rodionov, K. A. Kocheshkov. Dokl. AN SSSR 152 no. 1:122-123 S '63.

LITHUANIA—ANGIOSPERMS

Lietuvos TSR Moksla akademija, Vilna. Botanikos institutas. [Flora of the Lithuanian S. S. R.] Lietuvos TSR flora. Autoriu kolektyvas: A. Bagdonaite ir kiti. Red M. Natkevicaite-Ivanauskiene. Vilnius, Valstybine politine ir mokslines literaturos leidykla. [In Lithuanian]
Vol 2 1963 714 p.

LITHUANIA—WORLD WAR, 1939-1945—ATROCITIES

Uzdavinys, V. [Tragedy of the village of Pirčiupiai] Tragedija sela Pirchiupis Vil'nius, Gospolitnauchizdat, 1963. 53 p.

LITHUANIA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Kashautskii, I. V., and V. A. Meshcheriakov. [A page of the struggle] Stranitsa bor'by Vil'nius, Gos. izd-vo polit. i nauchn. lit-ry, 1962. 119 p. (CSL-H) (NIC)

LIVER

Reparative restoration of liver in rats after the local X-ray irradiation. M. M. Kalashnikova. Dokl. AN SSSR 151 no. 1,213-216 Jl '63.

LIVER—CIRRHOSIS

Chronic hepatitis following Botkin's disease and their treatment with prednisolone [with summary in English]. A. M. Artseva. Terap. arkh. 35 no. 1 23-29 Ja '63.

Etiology of liver cirrhosis. I. T. Kaliuzhnyi, G. K. Tel'tacheva. Sov. zdravookh. no. 3 18-22 My-Je '63.

Prevention of possible chronic lesions of the liver following a history of epidemic hepatitis (Botkin's disease) [with summary in English]. S. M. Ryss. Vrach. delo no. 6 83-88 Ag '63.

Problems in the prevention of chronic hepatitis and cirrhosis of the liver in the light of regional pathological data. I. B. Likhtsier. Kaz. med. zhur. no. 3 23-25 My-Je '63.

LIVER—DISEASES

Exocrine and endocrine function of the pancreas in chronic diseases of the liver and bile ducts [with summary in English]. E. P. Kulakova. Terap. arkh. 35 no. 1 43-49 Ja '63.

Problems with regard to lesions of the nervous system during metabolic disorders and diseases of the liver according to data of the Seventh International Neurological Congress in Rome. N. I. Grashchenkov, B. M. Gekht. Terap. arkh. 35 no. 1 105-112 Je '63.

LIVER—TUBERCULOSIS

Two cases of tuberculomas of the liver. N. N. Gadzhiev. Probl. tub. no. 8,102-104 '62.

LOADING AND UNLOADING

Batishchev, I. I. [Loading and unloading operations in automotive transportation] Pogruzochno-razgruzochnye raboty na avtomobil'nom transporte. Moskva, Avtotransizdt, 1963. 215 p.

LOADING AND UNLOADING—EQUIPMENT AND SUPPLIES

Cable guide rollers for the grabs of coal loaders. N. D. Shumov. Koks i khim. no. 10:57 '62.

Loaders are going to fields. G. Chernyshev. Grazhd. av. 20 no. 7:26 Jl '63.

Mechanisms are our helpers. Iu. Emel'ianov. Grazhd. av. 20 no. 7:26 Jl '63.

Merits and shortcomings of the textbook on the mechanization of loading and unloading operations. N. R. IUshchenko and others. Zhel. dor. transp. 45 no. 7: 92-94 Jl '63.

LOBACHEVSKII, NIKOLAI IVANOVICH, 1793-1856

N. I. Lobachevskii's teachers. I. IA. Depman. Uch. zap. Ped. inst. Gerts. 197 195-211 '58.

LOCAL FINANCE see subdivision under Krasnodar Territory

LOCAL GOVERNMENT see subdivision under Czechoslovakia; Kazakhstan

LOCAL TRANSIT—ABSTRACTS

[Automotive and city transportation] Ref. zhur.: Avt. i gor. transp. no. 9 S '63.

LOCAL TRANSIT—EQUIPMENT AND SUPPLIES

Fidelev, A. S., and M. M. Zherbin. [Trackless trolley-truck transportation] Trollelvoznyi transport. Kiev, Gostekhizdat USSR, 1963. 104 p.

LOCATION OF INDUSTRIES see Industries, Location of

LOCKS (HYDRAULIC ENGINEERING)
(see also subdivision under Dortmund-Ems Canal)

Improve the mooring of ships in navigation lock chambers. V. Balanin, M. Karasin. Rech. transp. 22 no. 6: 36-38 Je '63.

LOCKS (HYDRAULIC ENGINEERING)—EQUIPMENT AND SUPPLIES

Floating ring with hydraulic brakes. P. Khlopenkov. Rech. transp. 22 no. 7:40 Jl '63.

LOCOMOTIVE BOILERS

Quick-acting closing device. K. I. Kiriushkin. Transp. i khran. nefti no. 1:28 '63.

LOCOMOTIVE ENGINEERS

His work serves as an example. F. G. Pinchuk. Elek. i tepl. tiaga no. 7:13 Jl '63.

LOCOMOTIVES
(see also subdivision under Bulgaria; Czechoslovakia)

Combined use of electric and diesel locomotives. P. A. Shul'zhenko. Trudy BITZHT no. 9:57-69 '61.

Important potential for an efficient utilization of locomotives. I. P. Isaev. Zhel. dor. transp. 45 no. 8: 30-40 Ag '63.

Improving the accounting for the utilization of a fleet of locomotives. V. IA. Ivshin, I. F. Fedotov. Zhel. dor. transp. 45 no. 7 51-52 Jl '63.

Progress in the introduction of new equipment in locomotive operation and maintenance. Zhel. dor. transp. 45 no. 7, 86 Jl '63.

LOCOMOTIVES—BRAKES

Rubber packing cup for conditional No. 222 brake valve. V. A. Grimo, N. N. Klimov. Elek. i tepl. tiaga no. 7:8 Jl '63.

LOCOMOTIVES—MAINTENANCE AND REPAIR see subdivision under Samarkand

LOCOMOTIVES—PERFORMANCE

Potentialities for increasing the operative efficiency of locomotives. P. A. Sytsko, V. A. Gatkovskii. Zhel. dor. transp. 45 no. 7:26-29 Jl '63.

LOESS

Strengthening and compaction of settling loess soil. B. A. Rzhanitsyn [Trudy] NII osn. no. 50:4-9 '62.

Strengthening loess soil with water solutions of carbamide resin in the field. M. T. Kuleev. [Trudy] NII osn. no. 50:10-14 '62.

LOGGING (GEOLOGY)

Depth of gamma-gamma logging. IU. I. Belotserkovets. Prikl. geofiz. no. 36:214-216 '63.

Kinematics of wave fronts in logging with distributing transformers. V. G. Gratsinskii. Izv. AN SSSR, Ser. geofiz., no. 8:1178-1197 Ag '63.

Small automatic recorder for logging. V. P. Efremov, V. E. Okunev, D. V. Kim. Trudy SNIIGGIMS no. 27:92-94 '62.

Using logging to solve some hydrogeological problems in the Lvov-Volyn' Basin. E. I. Demilanovskaia. Geofiz. sbor. no. 4,66-70 '63.

LOGIC

TSereteli, S. B. [Basis of proof] Nachalo dokazatel'stva. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 479 p. [In Georgian with summary in Russian]

LOGIC, SYMBOLIC AND MATHEMATICAL

Realizable formulae in propositional calculus. V. A. IAnkov. Dokl. AN SSSR 151 no. 5:1035-1037 Ag '63.

Reliability of single-cycle circuits composed of elements with "symmetrical" circuits [with summary in English]. M. K. Chirkov. Vest. LGU 19 no. 13:134-137 '63.

LOGICAL POSITIVISM

Scientific conception of the world and neopositivism. G. A. Kursanov. Vest. AN SSSR 33 no. 9:49-58 S '63.

LOLINE

Pharmacology of loline dihydrochloride. V. A. Karimov, I. K. Kamilov. Farm. alk. no. 1 237-252 '62.

Pharmacology of n-benzoyl-loline methiodide (loline MNB). V. A. Karimov, I. K. Kamilov. Farm. alk. no. 1: 227-236 '62.

LOMONOSOV, MIKHAIL VASIL'EVICH, 1711-1765

"M. V. Lomonosov and the educational work of the Petersburg Academy of Sciences" by E. S. Kuliabko. Reviewed by M. I. Radovskii. Usp. fiz. nauk 80 no. 4:709-711 Ag '63.

LONDON—DESCRIPTION

London and its fog. Boris Izakov. Nov. vrem. 21 no. 31:23-25 Ag '63.

A visit to London. Z. V. Zarubina. Inostr. iaz. v shkole no. 3:101-105 My-Je '63.

LONGEVITY

Longevity of man in the light of comparative ontogenetic data. I. A. Arshavskii. Vop. antr. no. 12:72-91 '62.

LOOMS

Concerning A. I. Grishin's article "Investigating the performance of the picking mechanism of the loom at high speeds." B. I. Mitropol'skii. Izv. vys. ucheb. zav.; tekh. tekst. prom. no. 3:166 '63.

Concerning the book "Pneumatic and hydraulic looms." V. A. Ornatskaia, M. S. Seliverstova. Tekst. prom. 23 no. 8:89 Ag '63.

Determining the mass of the shock absorber of the loom picking mechanism. P. I. Tesel'kin. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2:149-152 '63.

Investigating the all-metal picking mechanism of the AT-1-102 loom. IU. A. Pivovarov. Izv. vys. ucheb. zav.; tekh. tekst. prom. no. 2:143-148 '63.

Investigating the friction clutch in the payoff and tension of the warp in the Sulzer loom. U I-sin' [Wu I-hsin], A. V. Ditskii. Izv. vys. ucheb. zav.; tekh. tekst. prom. no. 3:132-139 '63.

Irregularity in the running of the loom. V. K. Gorikov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2:84-91 '63.

Loom wastes in shuttleless weaving. S. G. Kavokin. Tekst. prom. 23 no. 8:49-50 Ag '63.

LOOMS—TESTING

Experimental testing of the AT-100-5 loom during starting and steady movement under various dynamic conditions. A. I. Grishin. Izv. vys. uchеb. zav., tekh. tekst. prom. no. 2,97-106 '63.

Stability of the performance of the batten mechanism of modernized looms at high speeds. A. I. Grishin. Izv. vys. uchеb. zav., tekh. tekst. prom. no. 4 119-121 '63.

LOPARITE see subdivision under Soviet Far East

LOPEZ, JOSÉ ANCIZAN, 1926-

José Ancizan Lopez. Nov. vrem. 21 no. 35 13 Ag '63.

LOS', EUDAKIIA IAKAULEUNA, 1920-

A human being should be human. Alena Vasilevich. Rab. i sial. 39 no. 8 26 Ag '63.

LOVE

Sometimes it's our own fault. A. Ilishina. Rab. i sial. 39 no. 6,12-13 Je '63.

LOW-TEMPERATURE METALS see Metals at low temperatures

LOW TEMPERATURE RESEARCH

All-Union Conference on low temperature physics. M. S. Brestler and others. Usp. fiz. nauk 80 no. 2:311-337 Je '63.

LOW TEMPERATURES

Production of low temperatures by using the De Haas-Van Alfven effect. M. IA. Azbel'. Zhur. eksp. i teor. fiz. 45 no. 2:395-397 Ag '63.

LOWER VOLGA ECONOMIC REGION—LIBRARY EXHIBITS

The library is the disseminator of the knowledge of economics. V. Sidorova. Plan. khoz. 40 no. 8:93-94 Ag '63.

LUBRICATION AND LUBRICANTS—ADDITIVES

Electronographic examination of films formed on lead by anticorrosive additives. V. S. Demchenko, V. N. Shchemulev. Khim. i tekh. topl. i masel 8 no. 6,61-69 Ag '63.

Properties of ash-free polymeric type washing additives. A. B. Vipper, Z. A. Kleimenova, M. A. Litsovskaia. Khim. i tekh. topl. i masel 8 no. 6,47-49 Ag '63.

LUDWIGITE

Hydrothermal synthesis of minerals of the ludwigite-vonsenite series. A. P. Grigor'ev, I. IA. Nekrasov. Dokl. AN SSSR 151 no. 3,671-674 Jl '63.

Serdiuchenko, D. P., A. V. Glebov, and V. A. Pavlov. [Ludwigite mineralization and (Fe-B-TR) paragenesis in ancient platforms] Ludvigitovaia mineralizatsiia i Fe-B-TR) paragenez v drevnikh platformakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 133 p.

LUGININ, VLADIMIR FEROKOVICH, 1834-1911

Eminent scientist and citizen. S. IA. Plotkin. Priroda 52 no. 8:121-122 Ag '63.

LUMBER—TRANSPORTATION

Marine electric power plant of the "Arkhangel'skles"-type lumber carrier. IU. Chukashev. Mor. flot 23 no. 5:26-28 My '63.

Overall mechanization for the handling of short logs. A. Kazakevich. Rech. transp. 22 no. 6:16-17 Je '63.

Some shortcomings in legal regulation of the direct railroad and water transportation of lumber. L. M. Egorov. Inform. sbor. TSNIIMF no. 56, Mor. pravo i prak. no. 11:7-11 '60.

LUMBERING see subdivision under Udmurt A. S. S. R.

LUMBERING—LABOR PRODUCTIVITY

Scientific and technological community in the strive for increased labor productivity. N. P. Militutin. Les. khoz. 16 no. 2:79 F '63.

LUMBERING—MACHINERY

Familiarizing with diversified plants. A. IAkubiuk. Les. khoz. 16 no. 2:83 F '63.

LUMBERING—SAFETY MEASURES—BIBLIOGRAPHY see Bibliography—Lumbering—Safety measures

LUMINESCENCE

Attachment to an electron-optical device for studying the luminescence of cathodoluminophors. IU. V. Voronov, A. G. Ovchinnikov. Prib. i tekh. eksp. 8 no. 3:100-101 My-Je '63.

Chemiluminescent method for the quantitative determination of ferricyanides. A. K. Babko, I. E. Kalinichenko. Ukr. khim. zhur. 29 no. 6:527-532 '63.

Effect of molecule adsorption on the luminescence, electric conductivity, and luminescence field effect in Cu_2O. G. P. Peka. Fiz. tver. tela 5 no. 7:2017-2019 Jl '63.

The Eleventh Conference on Luminescence. G. P. Gurinovich, N. D. Zhevandrov, K. N. Solov'ev. Usp. fiz. nauk 80 no. 4:685-701 Ag '63.

LUNGS—CALCIFICATION

Closed calcified cyst of the lung. B. N. Bandalin, Z. I. Levina. Vest. rent. i rad. 38 no. 3:62-63 My-Je '63.

LUNGS—CANCER

Clinical X-ray diagnosis of central lung cancer with retrograde metastases [with summary in English] G S Rukhimovich, IA M Krol, G M Bonk Vop onk 9 no 2 17-24 '63.

Comparative evaluation of pneumonectomy and partial resection in lung cancer [with summary in English] L.A. Maksimov, A I. Pirogov, L. I Kitoner Vop onk 9 no. 2:34-41 '63.

Data on the study of isolated lesions of the middle lobe of the right lung [with summary in English]. A. I. Shekhter. Vest. rent. i rad. 38 no. 2:34-37 Mr-Ap '63.

Diagnosis and therapy of paravasal forms of lung cancer [with summary in English] P. A Kupriianov and others Vop. onk. 9 no. 2:6-11 '63.

Diagnostic errors in lung cancer [with summary in English]. B. V. Krasnorogov, V L Tolmazakov. Vop onk 9 no. 2:11-16 '63.

Indications and contraindications for surgical treatment of lung cancer [with summary in English] V. M Shelikhovskii. Vop. onk. 9 no 2 25-34 '63.

LUNGS—COLLAPSE

Telectasis following surgery in pulmonary tuberculosis [with summary in French]. A. A Ertli. Probl tub. 41 no. 3.40-45 '63

Treatment of obturating atelectasis developing in the postoperative period in pulmonary tuberculosis. A. I. Efimova, N.D. Shifman. Sov. med. 27 no. 7:114-119 Jl '63.

LUNGS—DISEASES

Limited organic inflammatory foci and their differential diagnosis in distinguishing them from bronchial cancer [with summary in English] A G. Baranova, IU. V. Chermenskii. Vop. onk. 9 no. 2:10-53 '63.

Osipov, B. K., and T. V. Stepanova. [Chronic suppurative diseases of the lungs; a textbook] Khronicheskie nagnoitel'nye zabolevaniia legkikh, uchebnoe posobie Moskva, TSentral'nyi institut usovershenstvovaniia vrachei, 1962. 166 p. (DNLM)

Pathogenesis of pneumosclerosis in tuberculous empyemas. V. T. Svirlskin. Probl tub. 41 no. 3.83 '63.

Peptic ulcer of the stomach and duodenum and some chronic lung diseases, a contribution to the problem O. S. Radbil', A. I. Ablova Kaz med. zhur. no. 3 7-11 My-Je '63

LUNGS—DUST DISEASES

Function of the adrenal cortex in simultaneous siderosilicosis and tuberculosis before and during treatment with prednisolone and antibacterial preparations [with summary in English]. A. A. Koval'chuk, V. V. Malov. Terap. arkh. 35 no. 1:19-23 Ja '63.

LUNGS—RADIOGRAPHY

Clinical X-ray diagnosis of central lung cancer with retrograde metastases [with summary in English]. G. S. Rukhimovich, IA. M Krol, G. M. Bonk. Vop. onk. 9 no. 2 17-24 '63.

Residual roentgenotomographic changes in pulmonary tissue following discontinuance of extrapleural pneumo- and oleothorax. V. D. IAmpol'skaia. Probl. tub. 41 no. 3:84 '63.

Roentgenological characteristics of the course of pulmonary tuberculosis in elderly and senile patients in the process of antibacterial therapy [with summary in English]. B. P. IAshchenko, V. Z. Demina. Vest. rent. i rad. 38 no. 2:37-42 Mr-Ap '63.

X-ray examinations in preventive examinations for the purpose of detecting tuberculosis in adults and children. M. E. Limanskii. Vrach. delo no. 6:118-119 Je '63.

LUNGS—SURGERY

Bronchial adenoma and the methods of its treatment [with summary in English]. S. D. Pletnev. Vop. onk. 9 no. 2:41-46 '63.

Changes in the electrocardiogram in pulmonary tuberculosis following pulmonectomy [with summary in French] Z. N. Balezina. Probl. tub. no. 3:65-71 '62.

Comparative evaluation of pneumonectomy and partial resection in lung cancer [with summary in English]. L. A. Maksimov, A. I. Pirogov, L. I. Kitoner. Vop. onk. 9 no. 2.34-41 '63.

Indications and contraindications for surgical treatment of lung cancer [with summary in English]. V. M. Shelikhovskii. Vop. onk. 9 no. 2:25-34 '63.

Review of G. S. Levin's book "Surgical treatment of pulmonary tuberculosis patients." I. P. Kopeiko. Probl. tub. 41 no. 3:85-86 '63.

Struchkov, V. I., and P. N. Demidkin. [Radiographic changes in the gastrointestinal tract following an operation on the lungs] Rentgenologicheskie izmeneniia zheludochno-kishechnogo trakta posle operatsii na legkikh. Moskva, Medgiz, 1963 107 p. (DNLM)

Surgical treatment of chronic spontaneous pneumothorax [with summary in English]. A. I. Borovinskii. Probl. tub. 41 no. 3:45-50 '63.

Telectasis following surgery in pulmonary tuberculosis [with summary in French]. A. A. Ertli. Probl. tub. 41 no. 3:40-45 '63.

Tracheostomy in the prevention and treatment of acute respiratory insufficiency following an operation on the lungs [with summary in English]. D. D. Bershadenko Sov. med 27 no 7:27-31 Jl '63.

LUNGS—WOUNDS AND INJURIES

Closed lesion of the lung. A. S. Gogaladze, I. L. Kuznetsov. Vest. rent. i rad. 38 no. 2.63-64 Mr-Ap '63.

LUPINE

Features of agricultural practices with new species of lupines having small seeds. V. M. Savitskii. Dokl. TSKHA no. 82:83-89 '61.

Precursors of alkaloids in the lupine. A. V. Mironenko, K. I. Zaben'kova. Vestsi AN BSSR. Ser. biial. nav. no. 1: 34-37 '63.

LUPINE—HARVESTING

Drying lupines before harvesting. D. K. Khlebutina. Dokl. TSKHA no. 62:91-98 '61.

LUTIDINE

Macromolecular compounds, derivatives of pyridine. Part 1 Polyamides based on 2, 6-lutidine [with summary in English]. A. P. Terent'ev and others. Vysokom. soed. 5 no. 6.837-841 Je '63.

LUTSEVICH, IVAN DOMINIKOVICH, 1882-1942

Academic publication of IAnka Kupala's literary heritage. R. Hul'man. Vestsi AN BSSR. Ser. hram. nav. no. 2:73-84 '63.

LUZH'YAR, LAKE—ICE ON RIVERS, LAKE, ETC.

The clue is in the thermal conditions. N. N. Lapteva. Priroda 52 no. 8:124 Ag '63.

LVOV—DELIVERY OF GOODS

Practice in the organization of the delivery of goods on circuit route bases in Lvov. B. Mel'nyk, M. Shvaika, Ekon. Rad. Ukr. no. 4:79-83 Jl-Ag '63.

LVOV—SHOE INDUSTRY—TECHNOLOGICAL INNOVATIONS

"Searchlight of the Communist Youth League" in the "Progress" Firm. V. Bystrov Tekh. mol. 31 no. 9.26 '63.

LVOV PROVINCE—ACCOUNTING

Organization of accounting and reports in the production combines of the Lvov Economic Council. L. Klepikova. Vest. stat. no. 8:37-40 '63.

LVOV PROVINCE—COMMUNISM AND LITERATURE

A party organization's contacts with the creative intelligentsia. V. Malanchuk. Komm. Ukr. 36 no. 6:52-58 Je '63.

LVOV PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION

"The party organization of Lvov Province." P. V. Shostak. Ukr. ist. zhur. 6 no. 3:129-130 My-Je '63.

LVOV PROVINCE—GOITER

Content of macro- and microelements in goiter-changed and normal thyroid glands in the residents of L'vov Province. M. IA. Sobko, S. B. Kazakov. Vrach. delo no. 6:124-125 Je '63.

LVOV PROVINCE—INDUSTRIAL CAPACITY

Ways to improve the utilization of the productive capacity of firms. M. Meleshkin. Plan. khoz. 40 no. 9.54-57 S '63.

LVOV PROVINCE—INDUSTRIAL ORGANIZATION

From practice of the organization and work of firms. A. Alekseenko. Plan. khoz. 40 no. 9:60-68 S '63.

Organization of accounting and reports in the production combines of the Lvov Economic Council. L. Klepikova. Vest. stat. no. 8:37-40 '63.

Soviet firms in operation. S. Vergun. Den. i kred. 21 no. 8:31-35 Ag '63.

LVOV PROVINCE—OIL WELL PUMPS

Results of studying a pumping well in the Kokhanovka field. G. F. Geletii. Nefteprom. delo no. 3:19-21 '63.

LVOV PROVINCE—SPRAYING AND DUSTING IN AGRICULTURE

A large reserve. P. A. Solov'ev. Zashch. rast. ot vred. i bol. 8 no. 5:12-13 My '63.

LVOV-VOLYN' BASIN—WATER, UNDERGROUND

Using logging to solve some hydrogeological problems in the Lvov-Volyn' Basin. E. I. Dem'ianovskaia. Geofiz. sbor. no. 4:66-70 '63.

LYCORINE

Some pharmacological properties of the alkaloid lycorine. N. V. Abdumalikova, I. K. Kamilov. Farm. alk. no. 1: 190-195 '62.

LYMPATHICS—DISEASES

Epizootic lymphangitis in camels. N. A. Spesivtseva, A. I. Noskov. Trudy VNIIVS 14:66 '59.

LYMPHATICS—RADIOGRAPHY

Methodology of direct lymphography under experimental and clinical conditions [with summary in English]. B. IA. Luk'ianchenko, V. V. Sedov, F. A. Astrakhantsev. Vest. rent. i rad. 38 no. 2:16-20 Mr-Ap '63.

LYNG, JOHN, 1905-

Arturo Rumberto Illia, John Lyng. Nov. vrem. 21 no. 36:31 S '63.

LYSOZYME

Resistance of milk lysozyme to gamma rays of radioactive cobalt (Co^{60}). V. I. Mutovin. Trudy VNIIVS 14.61-62 '59.

LYUBERTSY—BANKS AND BANKING

Progressive work practice. S. Nikolaichuk, S. Khmel'nitskaia, I Rubchinskii. Den. i kred. 21 no 8 49-51 Ag '63.

MACARONI see subdivision under Italy

MACHINE ACCOUNTING

Brief news. Uchet i kh. v kolkhozakh i sovkhozakh 20 no. 5: 47-48 My '63.

In the methodological council. Bukhg. uchet 20 no. 8: 76-79 Ag '63.

Mechanize the evening receiving and payment operations. M. Andrianov, I. Gal'perin. Den. i kred. 21 no. 8.66-67 Ag '63.

MACHINE ACCOUNTING—BIBLIOGRAPHY see Bibliography—Machine accounting

MACHINE INDUSTRY—FINANCE

Introduce business accounting in plant administration departments. A. Kokhan. Bukhg. uchet 20 no. 8:45-48 Ag '63.

MACHINE-SHOP PRACTICE

Equipment within the working area of a repairman. A. I. IAkovlev. Mashinostroitel' no. 7:12-13 Jl '63.

Highest improvement of a system for deficiency detection. IU. V. Liubatov. Trudy Inst. mash. Sem. po toch. v mash. i prib. no. 17:89-97 '63.

Pneumatic unit for the assembly of stuffing boxes. A. S. Il'inskii. Avt. prom. 29 no. 8:38 S '63.

Secondary use of medical instruments. V. Snytkin. Mashinostroitel' no. 7:25 Jl '63.

MACHINE-TOOL INDUSTRY see subdivision under Leningrad, Moscow

MACHINE TOOLS

Matveev, V. F. [Semiautomatic machine for manufacturing springs and laying them in terminal blocks Automatic machine for thread cutting in a terminal bridge] Poluavtomat dlia izgotovleniia pruzhin s ukladkoi ikh v klemmnye kolodki. Avtomat dlia narezki rez'by v klemmnom mostike. Leningrad, 1963 11 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Pribory i elementy avtomatiki, no. 1)

"Young technician," a universal machine tool. P. A. Kotlarchuk. Shkola i proizv 7 no. 8:78-84 Ag '63.

MACHINE TOOLS—ATTACHMENTS

Attachments with a hydraulic fastening drive. IU. I. Kuznetsov. Mashinostroitel' no. 7:20-22 Jl '63.

Gladkov, K. M. [Machine-tool attachments used in the manufacture of textile machinery] Stanochnye prisposobleniia v tekstil'nom mashinostroenii. Moskva, Mashgiz, 1963. 214 p.

MACHINE TOOLS—BIBLIOGRAPHY see Bibliography—Machine tools

MACHINE TOOLS—MAINTENANCE AND REPAIR see subdivision under Moscow

MACHINE TOOLS—PATENTS

Foreign patents. Stan. i instr. 34 no. 7:46-47 Jl '63.

MACHINERY

Outlooks for the investigation and calculation of the efficiency and durability of machinery based on limiting states. V. N. Treier. Sbor. nauch. trud. Bel. politekh inst. no. 66:137-157 '57.

Static method for evaluating the dispersion of physical characteristics of machines and their parts. I. G. Fridlender. Trudy Inst. mash. Sem. po toch. v mash. i prib. no. 17:105-107 '63.

MACHINERY—ABSTRACTS

[Materials for machinery manufacture and the design of machine parts] Ref. zhur.: Mashinostroi. mat., konstr. i rasch. det. mash. nos. 9-10 S-O '63.

[Technology of machinery manufacture] Ref. zhur.: Tekh. mashinostr. no. 9 S '63.

MACHINERY—DESIGN AND CONSTRUCTION

Garbuz, N. A. [Bimetallic machine parts] Bimetallicheskie detali mashin. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963. 66 p.

Guzenkov, P. G. [Plastics in the machinery industry and plastic machine parts] Plastmassy v mashinostroenii i detali mashin iz plastmass; lektsii. Moskva, Vses. zaochnyi politekhnicheskii in-t, 1961. 52 p.

Improving the design and technological documentation. A. S. Zal'ts, G. Kh. Oks, P. A. L'vov. Mashinostroitel' no. 7:34-36 Jl '63.

MACHINERY—MAINTENANCE AND REPAIR

New detergents. L. Khodov, A. Krivonos. Sel'. mekh. no. 5:21 My '63.

MACHINERY—SAFETY APPLIANCES

In conflict with the law. V. Mikhailova, M. Belogorov. Sov. profsoiuzy 19 no. 11:28-29 Jl '63.

MACHINERY—STANDARDS

Standards for the machinery industry. Standartizatsiia 27 no. 7:60 Jl '63.

MACHINERY—TRANSMISSION DEVICES

Investigating dynamic loads in transmissions of machines with a chain drive. I. G. Bekker. Vest. mashinostr. 43 no. 8:19-23 Ag '63.

The theme "Transmission of rotary motion" in a school physics course. A. N. Bubnova. Uch. zap. Ped. inst. Gerts. 197:241-258 '58

MACHINERY, AUTOMATIC

Investigating errors in cutting the hole of a bearing ring on automatic lines. E. A. Likhacheva. Trudy Inst. mash. Sem. po toch. v mash. i prib. no. 17:80-88 '63

Some potentialities for increasing the precision in machining bearings rings on automatic lines. E. A. Likhacheva. Trudy Inst. mash. Sem. po toch. v mash. i prib. no. 17:67-79 '63.

MACHINERY, KINEMATICS OF

Kolchin, N. I. [Mechanical engineering] Mekhanika mashin. Moskva, Mashgiz.
Vol. 2. [Kinetostatics and dynamics of machines. Friction in machines] Kinetostatika i dinamika mashin. Trenie v mashinakh
Izd 2., perer. 1963. 534 p.

MACHINERY INDUSTRY

(See also subdivision under Black Sea Economic region, Estonia, Kazakhstan, Kharkov, Kiev Province, Leningrad, Ryazan, Sverdlovsk, Ust'-Kamenogorsk)

Antimony-containing cast iron as a substitute for bronze in the manufacture of machinery. V. Avakian. Prom. Arm. 6 no. 7:38-42 Jl '63

Economic efficiency of production standardization, unification and specialization. K. Vinogradov. Vop. ekon. no. 9:78-85 S '63.

Irresistible movement of our times. Mashinostroitel' no. 7:1-2 Jl '63.

Lytkin, V. I., and K. I. Lytkin. [Conversion of machinery plant furnaces to natural gas] Perevod pechei mashinostroitel'nykh zavodov na prirodnyi gaz. Moskva, Mashgiz, 1963. 119 p.

New study on the history of machinery manufacturing in the U.S.S.R. G. Oparina. Nauch. dokl. vys. shkoly, ekon. nauki 6 no. 3:135-139 '63.

Rabinovich, A. N., and others. [Automatic checking in the manufacture of machines and instruments] Avtomatizatsiia kontrolia v mashinostroenii i priborostroenii. Moskva, Mashgiz, 1963. 122 p. (Nauchno-populiarnaia biblioteka molodogo rabochego)

MACHINERY INDUSTRY—ABSTRACTS

[Problems of technological progress and the organization of production in the machinery industry] Ref. zhur.: Vop. tekh. prog. i org. proizv. v mashinostr. no. 9 S '63.

MACHINERY INDUSTRY—ACCOUNTING

On the calculating system in machinery manufacturing. G. Bocharov, F. Chaikin. Bukhg. uchet 29 no. 8:8-11 Ag '63.

MACHINERY INDUSTRY—BIBLIOGRAPHY see Bibliography—Machinery industry

MACHINERY INDUSTRY—COSTS see subdivision under Ukraine

MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES

Problems of establishing norms for the utilization of equipment in machinery manufacturing. L. Dobronravova. Plan. khoz. 40 no. 9:24-31 S '63.

MACHINERY INDUSTRY—FINANCE see subdivision under Caucasus, Northern; Uzbekistan

MACHINERY INDUSTRY—FINANCE—BIBLIOGRAPHY see Bibliography—Machinery industry—Finance

MACHINERY INDUSTRY—MANAGEMENT

(see also subdivision under Armenia; Tambov)

Difficultly obtainable materials should be saved. IA. V. Golovko. Mashinostroitel' no. 7:35 Jl '63.

Establishing decade schedules for the start-up of the production and the output of parts using the "Ural-2" electronic computer. P. E. Efimov, IU. P. Maksimov. Vest. mashinostr. 43 no. 8:60-65 Ag '63.

Popov, V. A. [Principles of the organization of technological processes in the manufacture of heavy machinery] Printsipy postroeniia tekhnologii tiazhelogo mashinostroeniia. Moskva, Mashgiz, 1963. 478 p.

Technical trends in the improvement of the organization of production in machinery plants. V. V. Kuz'min, V. A. Nizhegorodtsev. Vest. mashinostr. 43 no. 8:77-80 Ag '63.

Zhukov, P. A., ed. [Economics of machinery manufacturing, the organization and planning of enterprises] Ekonomika mashinostroeniia, organizatsiia i planirovanie predpriiatii. [By] A. M. Vershinin i dr. Moskva, Mashgiz, 1963. 504 p.

MACHINERY INDUSTRY—MATHEMATICAL MODELS see subdivision under Czechoslovakia

MACHINERY INDUSTRY—PRODUCTION STANDARDS

Basic trends and practices of the work in the field of standardization and establishment of norms in machinery manufacture. Inform. biul. VDNKh no. 7:13-11 Jl '62.

MACHINERY INDUSTRY—QUALITY CONTROL

Economic efficiency of increasing the durability of products. L. Andronov. Plan. khoz. 40 no. 8:28-34 Ag '63.

MACHINERY INDUSTRY—SAFETY MEASURES see subdivision under Kirghizistan

MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Ukraine)

Analysis of the state of production mechanization. P. Zaglubotskii. Bukhg. uchet 29 no. 8:28-33 Ag '63.

MACHINERY INDUSTRY WORKERS see subdivision under Andizhan; Moscow; Podol'sk (Moscow Province); Tashkent

MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING see subdivision under Moscow, Mytishchi, Ryazan

MACROMOLECULAR COMPOUNDS

Directed change of properties in macromolecular compounds. K. Andrianov. Dokl. AN SSSR 151 no. 5:1093-1096 Ag '63.

New method of synthesizing macrocyclic compounds. Report No. 3. Intramolecular alkylation of 2-(ω-iodoalkyl)-5-(carbethoxyacetyl)thiophenes. IA. L. Gol'dfarb, S. Z. Taits, V. N. Bulgakova. Izv. AN SSSR, Ser. khim. no. 7:1299-1307 Jl '63.

MACROMOLECULES

Nucleic acids and the problem of specific biosynthesis of macromolecules. IU. B. Filippovich. Khim. v shkole 18 no. 3:4-19 My-Je '63.

MADAGASCAR see Malagasy Republic

MAFIA see subdivision under Sicily

MAGMA

Behavior of lead and zinc in phase and facies magmatic differention [with summary in English]. R. D. Gavrilin, L. A. Pevtsova. Geokhimiia no. 8:732-745 Ag '63.

MAGMA—ANALYSIS

Effect of anion substitution on the acidity of magmatic melts [with summary in English]. I. D. Riabchikov, L. N. Kogarko. Geokhimiia no. 3:305-311 Mr '63.

MAGNESIA

Topographic X-ray diffraction study of MgO crystals. V. F. Miuskov, A. R. Lang. Kristallografiia 8 no. 4:652-656 Jl-Ag '63

MAGNESIUM—ANALYSIS

Determining calcium and magnesium in liming materials by the trilonometric method. N. I. Alliamovskii, V. A. Vorob'eva. Trudy VIUA no. 38:240-259 '61.

Luminescent properties of azo compounds based on barbituric acid. New reagent for magnesium [with summary in English]. G. V. Serebriakova, A. M. Lukin, E. A. Bozhevol'nov. Zhur. anal. khim. 18 no. 6:706-711 Je '63

MAGNESIUM—CORROSION

Atmospheric corrosion of magnesium in the corona discharge [with summary in English]. I. L. Rotkh, S. G. Belitskaia. Zhur. fiz. khim. 37 no. 8:1694-1698 Ag '63.

MAGNESIUM-ALUMINUM ALLOYS see Aluminum-magnesium alloys

MAGNESIUM FERRATES

Equilibrium conditions during the reduction of magnesium ferrite by hydrogen. A. A. Shchepetkin and others. *Dokl. AN SSSR 152 no. 1:124-126 S '63.*

MAGNESIUM HYDROXIDE

Coprecipitation of aluminum with magnesium hydroxide [with summary in English]. A. I. Korenman. Zhur. anal. khim. 18 no. 6:721-725 Je '63.

MAGNESIUM OXIDES—ELECTRIC PROPERTIES

Secondary electron emission of MgO films at small energies of electrons. V. L. Borisov, V. D. Khlystov. Radiotekh. i electron. 8 no. 9:1626-1629 S '63.

MAGNESIUM SULFATE

Production of magnesium sulfate by carbonation of a saline brine of gypsum-magnesia concentrates. E. A. Shikhet, L. E. Sologubenko, L. M. Rutkovskaia. Ukr. khim. zhur. 29 no. 6:651-658 '63.

MAGNETIC AMPLIFIERS

Networks and designs of three-phase contactless transformer-type voltage regulators. B. N. Sergeenkov. Vest. elektroprom. 34 no. 8:30-34 Ag '63.

Steering gear with an electric drive and magnetic amplifier on motorships of the "Krasnograd" type. O. N. Aronov. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:71-83 '62.

Three-phase transistorized magnetic amplifier. I. M. Stoliarov. Vest. elektroprom. 34 no. 6:26-30 Ag '63

Transistorized magnetic amplifier with magnetic switch. I. M. Stoliarov. Elektrichestvo 7:06-69 Jl '63.

Use of self-saturating magnetic amplifiers in single-phase two-cycle a.c. networks. T. Kh. Stefanovich. Elektrichestvo 7:23-29 Jl '63.

MAGNETIC ANOMALIES

Calculation of pseudogravitational anomalies and the determination of the angle of slope in magnetization vector. G. N. Konstantinov, L. S. Konstantinova. Trudy SNIIGGIMS no. 27:165-170 '62

MAGNETIC CIRCUITS

Use of $B_{\sim 1}(H_\sim)$ characteristics with $H_= \neq 0$ const in designing saturable reactors. V. S. Dmitriev. Izv. vys. ucheb. zav., elektromekh. 6 no. 5:637-640 '63

MAGNETIC FIELDS

Compression of a high-frequency ring discharge by an increasing magnetic field. M. D. Raizer. Zhur. tekh. fiz. 33 no. 7:836-842 Jl '63.

Contribution to the theory of stationary states of a high-temperature plasma, a plasmoid with a longitudinal magnetic field. E. F. Tkalich, V. S. Tkalich. Zhur. tekh. fiz. 33 no. 7:815-819 Jl '63.

Convection in a weakly ionized plasma in an inhomogeneous external magnetic field. A. V. Timofeev. Zhur. tekh. fiz. 33 no. 7:776-781 Jl '63.

Effect of a magnetic field on the optimum composition of a conducting gaseous mixture. E. P. Zimin, V. A. Popov. PMTF no. 3:162-164 My-Je '63

Field structure in the cross section of a plasma-filled wave guide. V. P. Demidov. Zhur. tekh. fiz. 33 no. 4:406-411 Ap '63

Generation of constant magnetic fields of a given form. A. A. Azatian, G. V. Badalian, G. N. Tsitsian. Prib. i tekh. eksp. 8 no. 3:142-146 My-Je '63

Generation of high magnetic fields of long duration. V. I. Rode and others. Prib. i tekh. eksp. 8 no. 3:116-117 My-Je '63.

High-frequency magnetic field of the lattice and its effect on the properties of solid bodies. Part 2. T. L. Kakushadze. Izv. vys. ucheb. zav., fiz. no. 4:10-15 '63.

Instability of a solitary wave moving in a plasma along a magnetic field. A. D. Patarala. Zhur. tekh. fiz. 33 no. 4:412-414 Ap '63.

Magnetic surfaces of a toroidal screw field. I. M. Kovrizhnykh. Zhur. tekh. fiz. 33 no. 4:377-381 Ap '63

Magnetic susceptibility of iron-nickel alloys in strong fields. N. Z. Mirzagov. Fiz. met. i metalloved. 16 no. 1:116-118 Jl '63

Mass spectrometers with two-dimensional electric and magnetic fields. V. M. Kel'man, I. V. Rodnikova. Zhur. tekh. fiz. 33 no. 4:387-392 Ap '63.

Modified apparatus for measuring electric conductivity in a rotating magnetic field. F. Gaibullaev. Uch. zap. Ped. inst. Gerts. 197:130-140 '58.

Self-oscillations of a plasma ellipsoid in a constant magnetic field. IU. A. Berezin. Zhur. tekh. fiz. 33 no. 7:788-794 Jl '63.

Spin echo in a local field. V. D. Korepanov, A. I. Chernitsyn, R. A. Dautov. Zhur. eksp. i teor. fiz. 45 no. 2:385-386 Ag '63.

Steady motion of a conducting fluid in a rectangular channel under a transverse magnetic field. O. A. Berezin. PMTF no. 3:155-159 My-Je '63.

Stuctural stability of a shock wave front moving across a magnetic field in a rarefied plasma. V. I. Karpman, R. Z. Sagdeev. Zhur. tekh. fiz. 33 no. 7:805-811 Jl '63.

Use of a variable magnetic field for determining $\frac{e}{m}$. G. A. Ivanov. Uch. zap. Ped. inst. Gerts. 197:215-222 '58.

Vibrations of elastic bodies of finite conductivity in a transverse magnetic field. IA. S. Uflland. Prikl. mat. i mekh. 27 no. 4:740-744 Jl-Ag '63.

Visualization of a magnetic sound-recording field by means of an electron mirror. G. V. Spivak and others. Izv. AN SSSR, Ser. fiz. 27 no. 9:1210-1210 S '63.

Volt-ampere characteristics of semimetals in crossing electric and magnetic fields. V. P. Kalashnikov. Fiz. met. i metalloved. 16 no. 1:19-23 Jl '63

MAGNETIC INSTRUMENTS

Magnetic quadrupole lenses for a linear accelerator with drift tubes. Part 1: Required lens properties and choice of pole tip shapes. I. M. Kapchinskii, V. K. Plotnikov. Prib. i tekh. eksp. 8 no. 3:15-19 My-Je '63

Magnetic quadrupole lenses for a linear accelerator with drift tubes. Part 2: Measuring the field nonlinearities of lenses with plane-tipped poles. E. N. Danil'tsev, V. K. Plotnikov. Prib. i tekh. eksp. 8 no. 3:20-24 My-Je '63.

MAGNETIC MATERIALS

Green's thermodynamic functions of an isotropic antiferromagnetic with arbitrary spin. E. Chervonko. Fiz.-tver. tela 5 no. 8:2141-2148 Ag '63.

MAGNETIC MATERIALS (Continued)

Magnetic interaction of supermagnetic particles. Part 1. V. B. Evdokimov. Zhur. fiz. khim. 37 no. 8:1880-1883 Ag '63.

Paramagnetic component of the magnetic susceptibility of $A^{III}B^{V}$ semiconducting compounds determined from X-ray diffraction analysis data. N. N. Sirota, N. M. Olekhnovich. Dokl. AN SSSR 151 no. 5:1079-1080 Ag '63.

So-called quasi- ferromagnetism and the theory of ferrites of a new type. IA. G. Dorfman. Zhur. strukt. khim. 4 no. 4:621-625 Jl-Ag '63.

MAGNETIC MATERIALS—TESTING

New highly sensitive ballistic method for testing ferromagnetic materials. P. N. Gorbunov. Trudy inst. Kom. stand., mer. i izm. prib. no. 72:73-84 '63.

MAGNETIC MATERIALS—THERMAL PROPERTIES

Effect of thermal expansion on the temperature dependence of the magnetic crystallographic anisotropy constants of ferromagnetics. A. I. Mitsek. Fiz. tver. tela 5 no. 7:1800-1804 Jl '63.

MAGNETIC MEASUREMENTS

Determining the absolute gyromagnetic ratio of the proton in high magnetic fields. V. I. Zinger man, V. N. Sepelyn, G. K. IAgola. Trudy inst. Kom. stand., mer. i izm. prib. no. 72:17-38 '63.

International system of units in magnetic measurement practice. Trudy inst. Kom. stand., mer. i izm. prib. no. 72:5-16 '63.

Measurement of electric and magnetic quantities. Rymar'. Radio no. 8:32-36 Ag '63.

Using the magnetic method for controlling the hardness of pipes. P. I. Vit'ko, V. I. Roitman, A. V. Voznyi. Khim. mashinostr. no. 1:35-36 Jl-Ag '63.

MAGNETIC PROSPECTING
(see also subdivision under Kazakhstan)

Determination of basic parameters of a magnetic body. V. K. Platnitskii. Trudy SNIIGGIMS no. 27:153-161 '62.

Interpretation of logging diagrams of magnetic susceptibility. IU. I. Kudriavtsev, V. A. Meier. Uch. zap. LGU no. 320:131-161 '63.

Interpretation of magnetic anomalies by the curves of a horizontal gradient of Z function. G. N. Konstantinov, L. S. Konstantinova. Trudy SNIIGGIMS no. 27:138-144 '62.

Interpretation of the curves of the horizontal gradients of magnetic anomalies. V. K. Platnitskii. Trudy SNIIGGIMS no. 27:145-152 '62.

MAGNETIC RECORDERS AND RECORDING

Apparatus for demagnetizing magnetic tape. E. I. Shil'man. Tekh. kino i telev. 6 no. 4:65-67 Ap '62.

Correction of amplitude-frequency characteristics in a channel of a magnetic recording system. M. V. Gitlits. Radiotekhnika 18 no. 6:36-42 Je '63.

Present-day magnetic tapes [with summary in English on p. 96]. I. I. Eliasberg. Tekh. kino i telev. 7 no. 8:12-20 Ag '63.

MAGNETIC RECORDERS AND RECORDING—ELECTRIC DRIVING

Device for controlling the centrifugal regulators of DKS-8 electric motors for portable magnetic tape recorders. L. N. Persidskii. Tekh. kino i telev. 7 no. 8:67-68 Ag '63.

MAGNETIC STORMS

Two types of ionospheric storms. A. S. Besprozvannaia. Probl. Arkt. i Antarkt. no. 13:67-78 '63.

MAGNETISM

Kirenskii, L. V. [Magnetism] Magnetizm. Moskva, Izd-vo Akad. nauk SSSR, 1963. 139 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

MAGNETISM, TERRESTRIAL

Akademiia nauk SSSR. Mezhduvedomstvennyi komitet po provedeniiu Mezhdunarodnogo geofizicheskogo goda. [Geomagnetic perturbations] Geomagnitnye vozmushchenila, sbornik statei. Moskva, 1960. 1 v. (CoBDS)

Earth's magnetic field in the Lower Devonian. O. N. Tretiak. Geol. zhur. 23 no. 3:69-74 '63.

Practice of using high-precision magnetic surveying in mapping a zone of alkali metasomatosis. F. I. Manilov. Geofiz. sbor. no. 4:109-111 '63.

MAGNETISM, TERRESTRIAL—BIBLIOGRAPHY see Bibliography—Magnetism, Terrestrial

MAGNETITE see subdivision under Kursk Magnetic Anomaly; Sayan Mountains

MAGNETITE—THERMAL PROPERTIES

Temperature lag of magnetized magnetite. A. IA. Vlasov, A. G. Zvegintsev. Izv. AN SSSR. Ser. geofiz. no. 8:1230-1233 Ag '63.

MAGNETIZATION

Observation of the initial stages of the formation of remagnetization nuclei in a magnetoplumbite crystal. IA. S. Shur, G. S. Kandaurova. Fiz. met. i metalloved. 16 no. 1:158-160 Jl '63.

Physical processes occurring in the magnetization of elongated specimens by a moving constant magnetic field. A. I. Vorob'ev. Izv. vys. uchcb. zav., fiz. no. 1:120-127 '63.

MAGNETOACOUSTIC EFFECT

Magnetic sound in a plasma with thermal motion. Part 2. Absorption of magnetoacoustic waves in a plasma. V. P. Demidov, D. A. Frank-Kamenetskii, V. I. IAkimenko. Zhur. tekh. fiz. 33 no. 4:398-405 Ap '63.

MAGNETOHYDRODYNAMICS

Compression of a plasma in a magnetic trap with opposing fields. B. P. Kononov. Zhur. tekh. fiz. 33 no. 7:835-838 Jl '63.

Convective instability of a compressible fluid in magnetohydrodynamics. A. A. Rukhadze. PMTF no. 3:138-142 My-Je '63.

Heat flow in relativistic magnetohydrodynamics. G. M. Zaslavskii. Zhur. tekh. fiz. 33 no. 7:801-804 Jl '63.

Propagation of slight perturbations in a gas of finite conductivity in a magnetic field. K. A. Lur'e. Zhur. tekh. fiz. 33 no. 7:886-889 Jl '63.

Some problems in the theory of the boundary layer of a conducting fluid. K. E. Dzhugashvili. Zhur. tekh. fiz. 33 no. 7:843-850 Jl '63.

Viscosity processes in relativistic magnetohydrodynamics. G. M. Zaslavskii, S. S. Moiseev. Zhur. tekh. fiz. 33 no. 7:782-787 Jl '63.

MAGNETOMETER

Asymmetry of the readings of the M-14-F magnetometer and consideration of its effect in determining the magnetic properties of rock samples. B. A. Mosienko. Trudy SNIIGGIMS no. 27:87-91 '62.

Electronic EG-1 type gauss meter utilizing the Hall effect. V. F. Vitkovskii, E. A. Sokolova. Trudy inst. Kom. stand. mer. i izm. prib. no. 72:91-100 '63.

Use of a quartz magnetometer in testing Helmholtz coils. IU. G. Mekhed'. Trudy inst. Kom. stand., mer. i izm. prib. no. 72:85-93 '63.

MAGNETOPLUMBITE

Observation of the initial stages of the formation of remagnetization nuclei in a magnetoplumbite crystal. IA. S. Shur, G. S. Kandaurova. Fiz. met. i metalloved. 16 no. 1:158-160 Jl '63.

MAGNETS

The kGU-MP230 permanent magnet for laboratory studies. A. L. Bil'dukevich. Prib. i tekh. eksp. 8 no. 3:146-149 My-Je '63.

Permanent magnets of barium-strontium ferrates. Pavel Chuiny. Fiz. met. i metalloved. 16 no. 1:132-133 Jl '63.

Sevost'ianov, A. G. [Magnetic rollers and forces acting in exhaust devices] Magnitnye valiki i sily, deistvuiushchie v vytiazhnykh priborakh. Moskva, Gizlegprom, 1963. 98 p.

MAGNITOGORSK—COKE INDUSTRY—EQUIPMENT AND SUPPLIES

New equipment for the coke and coal chemicals production in the Magnitogorsk Metallurgical Combine. G. M. Dorogobid, R. V. Mordukhovich. Koks i khim. no. 6:53-58 '63.

MAHOGANY—TRANSPORTATION

Loading mahogany in the Takoradi harbor, in Ghana. S. Borodin. Mor. flot 23 no. 6:13-14 Je '63.

MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1893-1930

"All one-hundred volumes of my party books." A. Karpov. Vop. lit. 7 no. 7:53-67 Jl '63.

At the top of his voice. Aleksandr Deineka. Ogonek 41 no. 29:8 Jl '63.

Eventov, I. S. [Maiakovskii in Petrograd and Leningrad] Maiakovskii v Petrograde-Leningrade. [ ] Lenizdat, 1963. 300 p.

In the name of the future. V. Pertsov. no. 29:0-7 Jl '63.

Layut, P. I. [Maiakovskii travels thru reminiscences] Maiakovskii edet po stranitsam. Moskva, Izd-vo "Sovetskaia Rossiia", 1963. 182 p.

Maiakovskii in publications of higher [illegible] tions. B. Milliavskii. Vop. lit. 7 no. [illegible]

Maiakovskii is on our side. V. TSybin. no. 7:112-116 Jl '63.

They are my fliers. A. Shvartsman. no. 7:22 Jl '63.

Triumphant laughter. V. Cherniavskii. no. 7:84-87 Jl '63.

V. V. Maiakovskii, on the occasion of V. V. Litvinov. Nach. shkola 31 no. [illegible]

Vl. Maikovskii, 1893-1963. B. Brodov. no. 14:2-3 Jl '63.

Ways of using phrases in the works of V. P. Vomperskii. Rus. iaz. v shkole My-Je '63.

MAIZE see Corn (Maize)

MAKARENKO, ANTON SEMENOVICH,

A. S. Makarenko on the work training o[illegible] O. Frolova. Doshk. vosp. 36 no. 6:[illegible]

Lozhechko, A. V. [Educator, teacher, and fighter] Vospitatel', uchitel', boets. Moskva, Gospolitizdat, 1963. 77 p. (Geroi i podvigi)
(CSt-H)

MAKEYEVKA—IRON AND STEEL PLANTS

Production of semikilled St. 5ps reinforcement steel at the Makeyevka Metallurgical Plant. K. S. Alferov, N. P. Mershent, V. I. Prilepskii. Stal' 23 no. 7:615-618 Jl '63.

MAKEYEVKA—REVOLUTION, 1917-1921

"How the Makeyevka Communists struggled for the victory and consolidation of the Soviet regime" by M. IA. Zaporozhets. A. P. Ihytsenko. Ukr. ist. zhur. 6 no. 4: 137-139 My-Je '63.

MAKEYEVKA—COKE INDUSTRY

Visual and accessible. P. Kiselev. Agitator no. 12:37 Je '63.

MAKEYEVKA—COKING PLANTS

In the Makeyevka Coking Plant. G. D. Mukhin. Koks i khim. no. 10:19 '62.

MALAGASY REPUBLIC—WOMEN

The voice of Malagasy women. Rahantavololona Razafindrakotonaina Andriamanjato. Az. i Afr. segs. no. 8:10 Ag '63.

MALARIA—PREVENTION see subdivision under Kazakhstan

MALGOBEK REGION (CHECHEN-INGUSH A.S.S.R.)—ROCKS, CARBONATE—ANALYSIS

Determination of the compressibility factor of fractured carbonate reservoirs based on field data. I. M. Matveev. Neftepromys. delo no. 3:3-9 '63.

MALONIC ACID

Synthesis and saponification of alkoxymethyl alkyl malonic esters. O. S. Stepanova, L. A. IAtsenko. Uch. zap. khim. zhur. 20 no. 6:612-611 '63.

MALOYAROSLAVETS REGION—WOOD WASTE

Utilization of logging waste. N. V. Samodelkin. Les. khoz. 16 no. 6:70-71 Je '63.

MALYY KALKAMAN LAKE REGION—MAMMALS, FOSSIL

Neocene mammals of Lake Malyy Kalkaman (Pavlodar area of the Irtysh Valley). G. F. Lychev. Mat. po ist. fauny i flory Kazakh. 4:12-21 '63.

MAMLYUTKA DISTRICT—AGRICULTURAL ADMINISTRATION

Maturity examination. V. Fishchuk. Part. zhizn' Kazakh. 33 no. 7:60-63 Jl '63.

MAMMALS
(see also subdivision under Kara Kum)

Akademiia nauk SSSR. Zoologicheskii institut. [Mammals of the U. S. S. R.] Mlekopitaiushchie fauny SSSR. Sost. I. M. Gromov i dr. Pod obshchim rukovodstvom I. I. Sokolova. Moskva, Izd-vo Akad. nauk SSSR.
Pt. 1-2. 1963.

MAMMALS—PARASITES see Parasites—Mammals

MAMMALS, FOSSIL see subdivision under Koshkurgan (Kazakhstan); Malyy Kalkaman Lake region; Zyryanovsk region

MAN—INFLUENCE OF NATURE see subdivision under Kara Kum

MANCHU LANGUAGE—GRAMMAR

Pashkov, B. K. [The Manchu language] Man'chzhurskii iazyk. Pod obshchei red. G. P. Serdiuchenko. Moskva, Izd-vo vostochnoi lit-ry, 1963. 65 p. (IAzyki Zaru-

MANGANESE-IRON ALLOYS see Iron-manganese alloys

MANGANESE MINES AND MINING—EQUIPMENT AND SUPPLIES
Kudriashov, V. P. [Mechanization of manganese ore mining] Mekhanizatsiia vyemki margantsevykh rud. Moskva, Gosgortekhizdat, 1963. 73 p.

MANGANESE-SILICON ALLOYS
Properties of liquid manganese-silicon alloys. P. V. Gel'd and others. Izv. vys. uchcb. zav., chern. met. 6 no. 7:160-161 '63.

MANGYSHLAK PENINSULA—GEOLOGY, STRATIGRAPHIC
Upper Jurassic sediments in the submerged zones of the Mangyshlak Peninsula. K. I. Kuznetsova, A. E. Shlezinger. Biul. MOIP. Otd. geol. 38 no. 3:60-76 My-Je '63.

MANNICH REACTION
Aminotriazoles in the Mannich reaction. V. M. Brusnikina, S. S. Novikov, V. A. Rudenko. Izv. AN SSSR. Ser. khim. no. 9:1681-1683 S '63.

MANNITOL
Complex formation of iron (III) with glycerol and mannitol in an alkaline medium. I. V. Platnitskii, A. Kh. Khibus. Ukr. khim. zhur. 29 no. 5:463-472 '63.

MANUAL TRAINING
Production norms and grading of students in school workshops. S. D. Kozerlo. Rad. shk. 42 no. 7:66-68 Jl '63.
Training in work skills and habits. A. S. Ivanova. Nach. shkola 31 no. 10:58-61 O '63.

MANUFACTURES—ABSTRACTS
[Light industry] Ref. zhur.: Leg. prom. no. 9 S '63.

MANUSCRIPTS
(see also subdivision under Leningrad)
Collection dating from the last quarter of the 15th and the beginning of the 16th century from the Museum's holdings. I. M. Kudriavtsev. Zap. Otd. rukop. no. 25:220-288 '62.
History of the acquisition and the initial study of the Archangel Gospel, correspondence of I. I. Sreznevskii, A. E. Viktorov, and A. F. Bychkov. K. I. Butina. Zap. Otd. rukop. no. 25:406-419 '62.
Novgorod manuscript of the year 1270. O. S. Popova. Zap. Otd. rukop. no. 25:184-219 '62.
Reference materials of the Manuscripts Division. G. I. Donglo. Zap. Otd. rukop. no. 25:464-486 '62.

MANUSCRIPTS—BIBLIOGRAPHY see Bibliography—Manuscripts

MANUSCRIPTS—CATALOGS
Catalog of 11th and 12th century Russian and Slavic parchment manuscripts preserved in the Manuscripts Division of the Moscow Public Library. N. B. Tikhomirov. Zap. Otd. rukop. no. 25:143-183 '62.

MANUSCRIPTS—CONSERVATION AND RESTORATION
Akademiia nauk SSSR. Laboratoriia konservatsii i restavratsii dokumentov. [Unknown monument of the book art; restoration of the manuscript of a 13th century French legend] Neizvestnyi pamiatnik knizhnogo iskusstva; opyt vosstanovleniia frantsuzskogo legendariia XIII veka. Moskva, Izd-vo Akad. nauk SSSR, 1963. 95 p., tables. (With summary in French)
Patients of the Laboratory for Conservation and Restoration of Documents. S. Perovskii, L. Semenov. Zvezda no. 6:144-145 Je '62.

MANUSCRIPTS, GEORGIAN
Clue to a thousand-year secret. Irakli Andronikov. Nov. mir 38 no. 9:230-238 S '62.

MANUSCRIPTS, SLAVIC—CATALOGS
Catalog of 11th and 12th century Russian and Slavic parchment manuscripts preserved in the Manuscripts Division of the Moscow Public Library. N. B. Tikhomirov. Zap. Otd. rukop. no. 25:143-183 '62.

MANUSCRIPTS, SOGDIAN
[Sogdian documents from Mt. Mug; reading, translation, and comments] Sogdiiskie dokumenty s gory Mug, chtenie, perevod, kommentarii. Moskva, Izd-vo vostochnoi lit-ry
No. 3 Bogoliubov, M. N., and O. I. Smirnova, [Documents of an economic nature] Khoziaistvennye dokumenty. 1963. 130 p.

MANUSCRIPTS, TURKIC
Oldest Turkic manuscripts in the Institute of Asian Peoples, Academy of Sciences of the U. S. S. R. L. V. Dmitrieva. Mat. Vost. kom. Geog. ob-va SSSR no. 1:34-48 '62.

MANYCH-GUDILO, LAKE—HERRING GULL
Nesting of herring gulls on Lake Manych-Gudilo. V. A. Minoranskii. Nauch. dokl. vys. shkoly; biol. nauk no. 3:51-53 '63.

MANZHURA, IVAN IVANOVYCH, 1851-1893
A few words about Ivan Manzhura. O. S. Kunyts'kyi. Ukr. ist. zhur. 6 no. 3:113-114 My-Je '63.

MAPS
Identification of two Muslim maps in the Russian translation of "Book of travels" by Nasir-i Khusrau. Ia. A. Shumovskii. Mat. Vost. kom. Geog. ob-va SSSR no. 1:47-54 '62.

MAPS—BIBLIOGRAPHY see Bibliography—Maps

MARAL—PARASITES see Parasites—Maral

MARBLE see subdivision under Caucasus

MARI A.S.S.R.—FOREST MANAGEMENT
Give the green light to a combined forest economy. V. Trofimov, A. Akbunov. Les. khoz. 16 no. 5:69-72 My '63.

MARI A.S.S.R.—INTESTINES—OBSTRUCTIONS
Intestinal obstructions according to the data of the Mari Republic Hospital for five years. D. S. Murugov. Kaz. med. zhur. no. 3:86-87 My-Je '63.

MARINE ACCIDENTS
(see also subdivision under Bering Sea, Germany, West; Great Britain)
Agencies for the investigation of marine accidents in foreign countries. A. L. Kolodkin. Inform. sbor. TSNIIMF no. 56, Mor. pravo i prak. no. 11:11-18 '60.
Data on marine accidents in the world fleet. Mor. flot 23 no. 6:41 Je '63.
Emergency salvage operations at sea. P. Nikerov. Mor. flot 23 no. 5:21-22 My '63.
International regulations on the transportation of dangerous cargoes by sea. V. Kraev. Mor. flot 23 no. 6:36-37 Je '63.

MARINE BIOLOGY
The ocean will become a granary of mankind. K. Gladkov. Nauka i rel. 4 no. 7:25-32 Jl '63.

MARINE BOILERS see Boilers, Marine

MARINE ENGINEERING
Backing run torque converter for marine reverse gear. D. IA. Aleksapol'skii and others. Sudostroenie 29 no. 7:23-27 Jl '63.
Investigating valves for marine automatic control systems. D. E. Brill', IU. M. Orlov. Sudostroenie 29 no. 7:30-31 Jl '63.
Manual with defects. L. Udod. Rech. transp. 22 no. 6:50 Je '63.
Ship handlers of local and harbor craft should have the training of a mechanic. A. Mikheev. Mor. flot 23 no. 5:14-15 My '63.

MARINE ENGINEERING—GRAPHIC METHODS
Graphic calculation of heat transmission coefficients. N. D. Krishtal'. Sudostroenie 29 no. 7:27-30 Jl '63.

MARINE ENGINEERING—QUALITY CONTROL
Statute of the Department of Technical Control. Mor. flot 23 no. 5:43 My '63.

MARINE ENGINES
Calculating the wear resistance of parts for marine internal combustion engines. F. M. Klemushin. Sudostroenie 29 no. 7:56-59 Jl '63.
Modernizing of "Tisza"-type ships. I. K. Skirda. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 11:23-26 '62.
Operational conditions of project 732 ships. V. Leatukov, A. Khoze, G. Egorov. Rech. transp. 22 no. 7:22-25 Jl '63.

MARINE ENGINES—COOLING
Causes of ice formation in ice boxes. V. Lavrov, I. Fozniak. Mor. flot 23 no. 6:21-22 Je '63.

MARINE ENGINES—TESTING
Analysis of engine performance on "Vasil' Kolarov"-type ships with different propellers. N. I. Khudov. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:32-42 '62.
Determining the effective power of an engine in operating conditions. A. Aleksandrov. Rech. transp. 22 no. 7:27 Jl '63.

MARINE FAUNA see subdivision under Black Sea

MARINE GAS TURBINES
The economic advantage of using free piston gas generators in marine gas turbine plants. V. M. Kolikov. Sudostroenie 29 no. 7:20-23 Jl '63.
Fuel system of free piston gas generators. V. A. Plavinskii, IU. N. Vasil'ev. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:67-70 '62.
Investigating temperature fields in the rotors of marine gas turbine plants in transient conditions. L. A. Kozdoba. Sudostroenie 29 no. 5:21-23 My '63.

MARINE MICROBIOLOGY
Microflora of marine invertebrates. E. I. Sur'ianinova. Nauch. dokl. vys. shkoly; biol. nauki no. 3:171-174 '63.

MARINE TURBINES
Nomogram for calculating the tensile stresses in turbine blades of variable cross section. G. IA. Shnitser. Sudostroenie 29 no. 5:28-30 My '63.
Selecting the optimum design power of a back steam turbine. A. G. Kurzon, A. D. Mezheritskii. Sudostroenie 29 no. 5:18-21 My '63.

MARITIME LAW
(see also subdivision under Denmark; Great Britain; Norway)
Agencies for the investigation of marine accidents in foreign countries. A. L. Kolodkin. Inform. sbor. TSNIIMF no. 56, Mor. pravo i prak. no. 11:11-18 '60.
Decisions of Soviet courts and arbitration agencies. Inform. sbor. TSNIIMF no. 56, Mor. pravo i prak. no. 11:54-56 '60.
International regulations on the transportation of dangerous cargoes by sea. V. Kraev. Mor. flot 23 no. 6:36-37 Je '63.
Legal conditions of territorial waters and open seas. L. Shar-Baronov. Mor. flot 23 no. 6:42 Je '63.
Siling, A. N. [Violation of the freedom of navigation and fishing on the high seas by imperialist states] Narushenila imperialisticheskimi gosudarstvami svobody moreplavaniia i rybolovstva v otkrytom more. Moskva, Gosiurizdat, 1963. 42 p.
Statutes of the International Sea and River Arbitration Commission in Gdynia. Inform. sbor. TSNIIMF no. 56, Mor. pravo i prak. no. 11:31-41 '60.

MARITIME TERRITORY—COAL MINES AND MINING
Hydraulic blast hole stemming for dust control. V. S. Andreev, I. M. Mel'nik. Bezop. truda v prom. 7 no. 7:22-23 Jl '63.

MARITIME TERRITORY—FORESTS AND FORESTRY—ECONOMIC ASPECTS
Osipov, B. A. [Reproduction and ways of efficient utilization of timber resources in the Maritime Territory] Vosproizvodstvo i puti ratsional'nogo ispol'zovaniia lesosyr'evykh resursov Primorskogo kraia. Vladivostok, Akad. nauk SSSR, 1961. 33 p.

MARITIME TERRITORY—OAK
Planting oak in clusters in the Maritime Territory. E. D. Solodukhin. Agrobiologiia no. 4:630 Jl-Ag '63.

MARITIME TERRITORY—PARASITES—BIRDS
Oshmarin, P. G. [Parasitic worms of mammals and birds in the Maritime Territory] Parazitficheskie chervi mlekopitaiushchikh i ptits Primorskogo kraia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 322 p.

MARITIME TERRITORY—PARASITES—MAMMALS
Oshmarin, P. G. [Parasitic worms of mammals and birds in the Maritime Territory] Parazitficheskie chervi mlekopitaiushchikh i ptits Primorskogo kraia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 322 p.

MARITIME TERRITORY—WORMS, INTESTINAL AND PARASITIC
Oshmarin, P. G. [Parasitic worms of mammals and birds in the Maritime Territory] Parazitficheskie chervi mlekopitaiushchikh i ptits Primorskogo kraia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 322 p.

MARKETING—COSTS see subdivision under Moldavia

MARMOTS—DISEASES AND PESTS
Coccidia in Marmota menzbieri Kaschkarov, 1925. S. B. Svanbnev. Trudy Inst. zool. AN Kazakh. SSR 19:51-54 '63.

MARRIAGE see subdivision under Indonesia

MARRIAGE LAW
We should strictly enforce Soviet marriage and family laws. N. Belyk. Sots. zakon. 40 no. 6:20-23 Je '63.

MARROW
Studying the mitotic cycle in marrow cells of mice by the method of radioautography. A. I. Zosimovskaia. Dokl. AN SSSR 151 no. 3:681-690 Jl '63.
Tuberculous changes in the bone marrow and leukemoid reactions [with summary in English]. E. D. Tsinadzhe. Probl. tub. 41 no. 3:58-64 '63.

MARROW—DISEASES
Evaluation of the fluorescence microscopy picture of the blood and bone marrow following roentgen irradiation [with summary in English]. V. A. Kolpakov. Med. rad. 7 no. 11:50-53 N '62.
Transplantation of bone marrow in the treatment of bone marrow hypoplasia. N. N. Kolotova, V. M. Volfiuk. Vrach. delo no. 6:123-124 Je '63.
Unusual case of esophageal cancer combined with chronic myeloid leukemia [with summary in English]. T. G. Bleatkina, V. L. Tolmzakov. Vop. onk. 9 no. 2:101-103 '63.

MARROW—TRANSPLANTATION
Intra-arterial administration of large doses of cytostatics under the protection of bone marrow transplantation in advanced cases of cancer [with summary in English]. O. Costachel and others. Vop. onk. 9 no. 2:53-60 '63.
Transplantation of bone marrow in the treatment of bone marrow hypoplasia. N. N. Kolotova, V. M. Volfiuk. Vrach. delo no. 6:123-124 Je '63.

MARTENSITE—METALLOGRAPHY

Use of the method of thin metallic foils for studying the morphology of martensite. V. B. Spiridonov, IU. A. Skalov, V. N. Iordanskii. Zav. lab. 29 no. 8:955-956 '63.

MARTITE see subdivision under Kursk Magnetic Anomaly

MARX, KARL, 1818-1883

"Russian books on my bookshelf." M. Razorenova. V mire knig 3 no. 8 8 Ag '63.

MARX, KARL, 1818-1883—BIBLIOGRAPHY see Bibliography—Marx, Karl, 1818-1883

MASERS

Beam-type 4-millimeter maser on the transition line $1_{01} - 0_{00}$ in the CH_2O molecule [with summary in English]. A. F. Krupnov, V. A. Skvortsov. Zhur. eksp. i teor. fiz. 45 no. 2:101-102 Ag '63.

Biharmonic operating mode of an ammonia molecule beam maser. A. I. Barchukov, A. M. Prokhorov, V. V. Safranskii. Radiotekh. i elektron. 8 no. 9:1641-1642 S '63.

A maser operating on a beam of formaldehyde molecules in the 4-mm. band [with summary in English]. A. F. Krupnov, V. A. Skvortsov. Izv. vys. ucheb. zav., radiofiz. 6 no. 3:513-517 '63.

Method for decreasing the "off" time of two-level paramagnetic masers. IA. L. Shamfaiov. Radiotekh. i elektron. 8 no. 9:1573-1576 S '63.

Quantum paramagnetic amplifier with Cr^{3+} ion in a rutile grid. IU. P. Pimenov, A. M. Prokhorov. Radiotekh. i elektron. 8 no. 9:1642-1643 S '63.

MASS SPECTROMETRY

Analytic mass-spectrometer with a modulated molecular beam. G. D. Tantsyrev, G. V. Karpov, V. L. Tal'roze Prib. i tekh. eksp. 8 no. 3:118-121 My-Je '63

Automatic magnetic field scanning for a MI-1305 mass spectrometer. V. I. Zubkov, A. M. Ivanov Prib. i tekh eksp. 8 no. 3:182-183 My-Je '63

Mass spectra of phenylthiohydantoins of amino acids. N. S. Vul'fson and others. Izv. AN SSSR, Ser. khim. no. 8:1524-1525 Ag '63.

Mass spectrometers with two-dimensional electric and magnetic fields. V. M. Kel'man, I. V. Rodnikova Zhur. tekh. fiz. 33 no. 4:387-392 Ap '63.

Mass spectrometric method for determining partial vapor pressures and relative ionization cross sections of molecules from total evaporation isotherms. L. N. Sidorov, P. A. Akishin Dokl. AN SSSR 151 no. 1:136-139 Jl '63

Measuring the mass spectra of residual gases with a mass spectrometer of high resolving power and sensitivity. B. A. Mamyrin, B. N. Shustrov. Prib. i tekh eksp. 8 no. 3:122-125 My-Je '63.

MASS TRANSFER—BIBLIOGRAPHY see Bibliography—Mass transfer

MASS TRANSFER—PERIODICALS

Summaries of articles published in the international journal "Teplo- i massoperenos," vol. 6, 1963. G. R. Maliavskaia. Inzh.-fiz. zhur. 6 no. 7:130-132 Jl '63.

MAST CELLS

Morphological changes in the mast cells of the skin under the influence of different balneological factors. V. V. Soldatov. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:420-429 S-O '62.

Triggering action of phosphatidase A and chymotrypsins on degranulation of mesenteric mast cells in rats [with summary in English]. B. Uvnas, Judith Antonsson Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:336-346 '53.

MATEJKO, JAN ALOJZY, 1838-1893

Great Polish painter. Pavel Sudakov. Ogonek 41 no. 26: 16 Je '63.

Jan Matejko; on the 125th anniversary of his birth. IU. Lidzin. Rab. i sial. 39 no. 6:20 Je '63.

Matejko and the Ukraine. O. O. Charnovs'kyi. Ukr. ist. zhur. 6 no. 3:117 My-Je '63.

MATERIA MEDICA, VEGETABLE

Effect of some pharmacopeial preparations on radiation sickness in an experiment. A. V. Shubina Med rad. 7 no. 11 83-85 N '62

Flower burns. N. E. Margorin. Zdorov'e 9 no. 5:27 My '63.

Testing the antitumorigenic activity of extracts from higher plants in vitro [with summary in English]. B. IU. Aizenman and others. Mikrobiol. zhur. 25 no. 4:46-52 '63.

MATERIALS—DETERIORATION

Microflora which destroys bricks, plaster, and marble [with summary in English]. B. V. Gromov. Vest. LGU 18 no. 15:69-74 '63.

MATERIALS—MAGNETIC PROPERTIES

Gony's method and its particular features. Part 3 [with summary in English]. V. B. Evdokimov. Zhur. fiz. khim. 37 no. 8:1910-1912 Ag '63.

MATERIALS—TESTING

Method for determining plasticity characteristics without the use of samples. M. P. Markovets. Zav. lab. 29 no. 8:978-980 '63.

MATERIALS HANDLING

Automation of the storeroom. L. S. Segal. Mashinostroitel' no. 7:9 Jl '63.

Centralization of freight unloading for coal mines. A. IA. Loktev. Zhel. dor. transp. 45 no. 7,82-86 Jl '63.

Improve the organization of transportation and warehouse operations. R. Cherkas'kyi, M. IAropol'skyi. Ekon. Rad. Ukr. no. 4 37-42 Jl-Ag '63.

Mechanical arms for 4000-ton presses. V. V. Bassein, N. V. Duzhenkova. Kuz.-shtam. proizv. 5 no. 7 37-38 Jl '63.

Pneumoelectromagnetic loader of sheet steel. IA. N. Livshits, I. N. Ovchinnikov, I. I. Pinson. Sudostroenie 29 no. 5:49-51 My '63.

What hampers the work of consolidated transportation units. I. T. Kolkov. Zhel. dor. transp. 45 no. 7:86 Jl '63.

MATERNAL AND INFANT WELFARE—LAW AND LEGISLATION

Shortened prematernity leaves? V. Mal'shet. Sots. zakon 40 no. 7 34 Jl '63.

MATHEMATICAL CRYSTALLOGRAPHY see Crystallography, Mathematical

MATHEMATICAL LINGUISTICS

Example of a homogeneous group with an insolvable word identity problem. IA. S. Smetanich. Uch. zap. MGPI no. 188:199-201 '62.

Shaumian, S. K., and P. A. Soboleva. [Applicational generative model and transformational calculus as applied to the Russian language] Applikativnaia porozhdaiushchaia model' i ischislenie transformatsii v russkom iazyke. Moskva, Izd-vo Akad. nauk SSSR, 1963. 124 p. (Doklady sovetskoi delegatsii, V Mezhdunarodnyi s"ezd slavistov) [With summary in English]

MATHEMATICAL PHYSICS

Solution of incorrectly formulated problems and the regularization method. A. N. Tikhonov. Dokl. AN SSSR 151 no. 3:501-504 Jl '63.

MATHEMATICAL SOCIETIES see subdivision under Leningrad; Moscow

MATHEMATICAL STATISTICS

Nonexistence of regularly varying tests for the Behrens-Fisher problem. O. V. Shalaevskii. Dokl. AN SSSR 151 no. 3:509-510 Jl '63.

Possibilities and prospects of the application of mathematical statistics in the problems of textile manufacture IU. S. Vinogradov. Izv. vys. ucheb. zav.; tekh. tekst. prom. no. 3:150-155 '63.

Testing the fundamental hypotheses in multivariate analysis [with summary in English]. O. V. Shalaevskii. Vest. LGU 18 no. 13:150-152 '63.

Use of the methods of mathematical statistics in analyzing the accumulation of germanium in coal. L. IA. Kizil'shtein, N. N. Siunlakova. Dokl. AN SSSR 151 no. 1:196-197 Jl '63.

Using mathematical statistics methods in controlling production expenses. A. P. Borodina, V. I. Prochko, Avt. prom. 29 no. 9:42-44 S '63.

MATHEMATICS—ABSTRACTS

[Mathematics] Ref. zhur.; Mat. no. 9 S '63.

MATHEMATICS—BIBLIOGRAPHY see Bibliography—Mathematics

MATHEMATICS—COMPETITIONS

Mathematical Olympiads. N. Vasil'ev, A. Pomanskii. Nar. obr. no. 8:125 Ag '63.

MATHEMATICS—CONGRESSES

International Congress of Mathematicians, Edinburgh, 1958. [International Congress of Mathematicians held in Edinburgh in 1958. Translated from the English, French and German] Mezhdunarodnyi matematicheskii kongress v Edinburgo, 1958 g.; obzornye doklady. Moskva, Fizmatgiz, 1962. 276 p. (Sovremennye problemy matematiki)

Vsesoiuznyi matematicheskii s"ezd, 4th, Leningrad, 1961. [Papers delivered at the All-Union Mathematical Conference] Trudy, Leningrad.
Vol. 1. [Plenary reports] Plenarnye doklady. 1963. 274 p.

MATHEMATICS—PROBLEMS, EXERCISES, ETC.

Problems. A. M. Lopshits and others. Mat. v shkole no. 4:86 Jl-Ag '63.

Solutions to problems offered in No. 6, 1962. Mat. v shkole no. 4:87-95 Jl-Ag '63.

MATHEMATICS—PROGRAMMED INSTRUCTION see subdivision under United States

MATHEMATICS—STUDY AND TEACHING
(see also subdivision under United States; Vietnam, North)

Bringing out the esthetic aspects of mathematics in class. V. L. Minkovskii. Mat. v shkole no. 4:25-30 Jl-Ag '63.

Conducting practical studies in mathematics in institutes of higher education. A. A. Fedorov. Uch. zap. Ped. inst. Gerts. 197:280-292 '58.

Developing creative initiative in students. A. G. Barsanova, I. K. Fedotov. Mat. v shkole no. 4:18-20 Jl-Ag '63

Developing logical thinking in a mathematics class. D. G. Mufakharova. Mat. v shkole no. 4:21-23 Jl-Ag '63.

Historical data on the struggle for mathematical training of progressive officers of the Russian army in the first quarter of the 19th century. Uch. zap. MGPI no. 186: 200-223 '62.

How to conduct a class. G. IU. Gusarskaia. Mat. v shkole no. 4:16-18 Jl-Ag '63.

How to develop a profound interest in mathematics. G. IA. Zueva. Mat. v shkole no. 4:31-33 Jl-Ag '63.

How to develop activity in students of arithmetic and geometry classes. I. V. Kuznashov. Mat. v shkole no. 4: 23-25 Jl-Ag '63.

Measurements and calculations in practical work on mathematics Z. I. Slopkan', Rad. shk. 12 no. 7:69-72 Jl '63.

Planning in classroom teaching. P. G. Mingazov. Mat. v shkole no. 4:13-16 Jl-Ag '63.

Simultaneous study of some parts of mathematics. P. M. Erdniev. Mat. v shkole no. 4:61-63 Jl-Ag '63.

Studying quadratic equations and inequalities in the ninth grade under the new curriculum. V. G. Ashkinuze. Mat. v shkole no. 4:34-43 Jl-Ag '63.

Tests. K. P. Sikorskii. Mat. v shkole no. 4:64-66 Jl-Ag '63.

A theoretical and practical conference at Kazan. B. V. Bolgarskii. Mat. v shkole no. 4:11-12 Jl-Ag '63.

We need new methods. P. M. Erdniev. Vech. sred. shkola 6 no. 3:79-81 My-Je '63.

MATHEMATICS, ANCIENT

"History of mathematics in antiquity" by D. Kol'man. Reviewed by V. N. Molodshii. Mat. v shkole no. 4:84-85 Jl-Ag '63.

MATRICES

Arithmetic of skew-symmetric matrices. L. A. Gutnik. Uch. zap. MGPI no. 186:71-82 '62.

Chains of matrix norms. G. R. Belitskii. Dokl. AN SSSR 151 no. 1:9-10 Jl '63.

Extremum algebra of matrices. N. N. Vorob'ev. Dokl. AN SSSR 152 no. 1:24-27 S '63.

Law of the exclusion of redundant coordinates in the problem of molecular vibration involving generalized forces. I. V. Rigina, I. N. Godnev. Izv. vys. ucheb. zav.; fiz. no. 4:171-175 '63.

Operator norms of matrices. IU. I. Liubich. Usp. mat. nauk 18 no. 4:161-164 Jl-Ag '63.

Solution to the problems of the existence of limited solutions for systems of linear homogeneous differential equations with periodic coefficients on the basis of integral substitution. Part 2. N. P. Erugin. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 1:5-12 '62.

MATRIX MECHANICS

Construction of S-matrices. B. M. Stepanov. Dokl. AN SSSR 151 no. 1:84-86 Jl '63.

MATTER

Revolution in natural science. M. Mitin. Tekh. mol. 31 no. 9:17 '63.

MATTER—CONSTITUTION

Kitaigorodskii, A. I., and E. I. Fodin. [Atomic structure and the properties of solids] Atomnoe stroenie i svoistva tverdykh tel. Moskva, Izd-vo "Znanie," 1963. 47 p. (Narodnyi universitet kul'tury: Estestvennonauchnyi fakul'tet, no. 6)

MAUR, IANKA, pseud. see Flodarau, Ivan Mikhailavich, 1883-

MAXILLARY SINUS—DISEASES

Cytological picture of nasal secretion in the diagnosis of allergy in chronic highmoritis. M. R. Bogomil'skii. Vest. otorin. no. 1:13-16 '63.

Use of transluminometry in the diagnosis of highmoritis. E. N. Mazovotskii. Vest. otorin. no. 1:50-54 '63.

MAY DAY (LABOR HOLIDAY)

Festival of peace and the joys of work. Igor' Kobzev. Kul't. i zhizn' 7 no. 5:2 '63.

May Day. Zhen. mira no. 5:4 '63.

MAYKYUBEN' BASIN—PALEOGEOGRAPHY, STRATIGRAPHIC

Trace elements in rocks and coals of Lower Mesozoic sediments in the Maykyuben' Basin and their significance for paleogeography. A. K. Ruvalkin, T. M. Azizov. Izv. AN Kazakh. SSR, Ser. geol. nauk no. 4:41-57 '63.

MAZUT

Desulfonation of mazut sufficient for use in electric power-plants. E. H. Barashkava. Vestsi AN BSSR, Ser. fiz.-tekh. nav. no. 1:69-73 '62.

MEADOWS—GRASS

Some characteristics of vegetative reproduction in Poa longifolia Trin. I. K. Artamonova. Nauch. dokl. vys. shkoly; biol. nauki no. 3:119-124 '63.

MEASLES
Clinical characteristics of measles in infants with special reference to their nutritional status. N. D. Ratner. Ped., akush. i ginek. 25 no. 2:16-18 '63.

MEASURING INSTRUMENTS
Determination of the radius of curvature of a surface of revolution. I. N. Tret'yakov. Izv. vys. ucheb. zav.; mashinostr. 13 no. 7:15-21 '63.

MEAT INSPECTION
Inspection of meat and meat products by an expert of veterinary hygiene. A. N. Mironov. Trudy VNIIVS 11:58-61 '59.

MECHANICAL DRAWING—AUDIO-VISUAL AIDS
Building blocks for making models during the reading of mechanical drawing. I. Maksimov. Prof.-tekh. obr. 20 no. 8:11-13 Ag '63.

MECHANICAL ENGINEERING
Kozerskikh, V. F., and others. [Mechanical engineering] Mashinovedenie. Minsk, Izd-vo M-va vyssh. i sred. spets. obrazovaniia BSSR, 1963. 534 p.
Fault, editor. F. Z. Rabinovich. "Mashinostroitel'" no. 7:47-48 Jl '63.

MECHANICAL ENGINEERING—HANDBOOKS, MANUALS, ETC.
[Handbook for the mechanical engineer in two volumes] Spravochnik tekhnologa mashinostroiteliia v dvukh tomakh. Pod red. V. M. Kovana. Moskva, Mashgiz. Vol. 1. Kosilova, A. G., ed. Izd. 2., ispr. i dop. 1963. 887 p.

MECHANICAL ENGINEERING—STUDY AND TEACHING
see subdivision under Minsk

MECHANICAL FANS see Fans, Mechanical

MECHANICAL WEAR
Wear of the working part of a chain and bucket excavator. A. M. Varshavskii, Iu. N. Dunaevskii. Izv. vys. ucheb. zav., gor. zhur. 6 no. 7:122-131 '63.

MECHANICAL WEAR—TESTING
Using the method of ground holes in determining the wear of machine parts. S. V. Ventsel', N. M. Chupis. Vest. mashinostr. 43 no. 8:29-30 Ag '63.

MECHANICS
Free discharge of granular material through an aperture in the conical bottom of a vessel [with summary in English]. M. Stbarovskii, M. Bondz, n'eski. Inzh.-fiz. zhur. 6 no. 7:26-35 Jl '63.
General formulation of problems involving relaxation processes in gases with internal degrees of freedom [with summary in English]. S. V. Vallander, E. A. Nagibeda. Vest. LGU 18 no. 13:77-91 '63.
Karagodin, V. M. [Theoretical fundamentals of the mechanics of a body with variable composition] Teoreticheskie osnovy mekhaniki tela peremennogo sostava. Moskva, Oborongiz, 1963. 177 p.
Limits of the applicability of classical mechanics. I. R. Plotkin. Uch. zap. Ped. inst. Gertsa. 197:121-125 '58.
Maggi's equations in the mechanics of systems of variable mass. G. I. Boldinskii, A. I. Zel'tin. Sbor. nauch.-issl. rab. TTI no. 15:173-179 '62.
Nonstationary process in an essentially nonlinear oscillator system. E. P. Lazutkin. Ukr. mat. zhur. 15 no. 3:233-237 '63.

MECHANICS—ABSTRACTS
[Mechanics] Ref. zhur. Mekh. no. 10 O '63.

MECHANICS—DICTIONARY
Kvianitsia-Huslysia, N. M., comp. [Russian-Ukrainian dictionary on mechanics. 11,000 terms] Rosiis'ko-ukrains'kyi slovnyk z mekhaniky. 11 000 terminiv. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 340 p.

MECHANICS, ANALYTIC
Kil'chevskii, N. A. [Fundamentals of the analytic mechanics of shells] Osnovy analiticheskoi mekhaniki obolochek. Kiev, Izd-vo Akad. nauk USSR, 1963. 353 p.

MECHANICS, APPLIED
Stabilization of motions by additional forces in the case of incomplete lack coupling. N. N. Krasovskii. Prikl. mat. i mekh. 27 no. 4:641-663 Jl-Ag '63.

MECHANISMS
Determining the displacements of mechanisms with contacting levers. P. A. Lebedev. Izv. vys. ucheb. zav., prib. 6 no. 3:134-142 '63.
Some examples in the use of progressive mechanisms. M. L. Borinskii. Kuz.-shtam. proizv. 5 no. 7:38-40 Jl '63.
Soveshchanie po osnovnym problemam teorii mashin i mekhanizmov, 3d, Moscow, 1961. [Analysis and synthesis of mechanisms] Analiz i sintez mekhanizmov; sbornik statei. Moskva, Mashgiz, 1963. 234 p.
Synchronization of toothed mechanisms. B. M. Partenskii. Vest. mashinostr. 43 no. 8:44-45 Ag '63.

MECHANISMS—DESIGN AND CONSTRUCTION
Design of the transfer mechanism on automatic multispindle [Russian] U. A. Mirop'olskii, A. P. Vorobiev. [Nauch. trudy] UNIKMASha 6:52-59 '63.

MEDIASTINUM—CANCER
Morphology of teratomas of the mediastinum [with summary in English]. G. A. Lavnikova. Vop. onk. 9 no. 2:80-89 '63.

MEDICAL BOTANY see Botany, Medical

MEDICAL CARE
(see also subdivision under Ivano-Frankovsk Province; Moldavia, Shostka)
Organization and statistics of the activity of municipal medical centers. V. K. Ovchinov, I. B. Anan'ina, V. V. Varlamova. Sov. zdrav. 22 no. 6:7-12 '63.

MEDICAL CARE, PREPAID
Prepaid medical care plan for the workers of the Putilov Plant. E. I. Kashchevskaia. Vop. ist. KPSS 7 no. 8:100-104 Ag '63.

MEDICAL CLIMATOLOGY see Climatology, Medical

MEDICAL COLLEGES
Review of I. A. Zinov'ev's monograph "History of higher medical education in Russia." E. D. Gribanov. Sov. zdrav. 22 no. 6:86-88 '63.

MEDICAL DELUSIONS
"Royal powder." G. Filanovskii, Iu. Kolesnichenko. Nauka i rel. 4 no. 7:32 Jl '63.

MEDICAL GEOGRAPHY—ABSTRACTS
[Medical geography] Ref. zhur.: Med. geog. no. 10 O '63.

MEDICAL GEOGRAPHY—CONGRESSES
First All-Union Conference on Problems of Medical Geography. I. V. Landyshev. Kaz. med. zhur. no. 3:112-115 My-Je '63.

MEDICAL GYMNASTIC see Exercise therapy

MEDICAL INSTRUMENTS AND APPARATUS
Comparative evaluation of apparatus for labor anesthesia produced by the All-Union Scientific Research Institute of Medical Instruments and Equipment and by the "Krasnogvardeets" plant. K. M. Federmesser. Nov. med. tekh. no. 4:30-37 '61.
Device for determining the length of the vaginal portion of the cervix uteri. A. A. Shtamenko. Med. rad. 7 no. 11:74-75 N '62.
Secondary use of medical instruments. V. Snytkin. Mashinostroitel' no. 7:28 Jl '63.
A stationary ultrasonic therapeutic device. M. D. Gurevich and others. Nov. med. tekh. no. 4:10-19 '61.

MEDICAL JURISPRUDENCE
Committing a suspect or a person charged with an offense to a hospital for medical examination. I. Petrukhin. Sots. zakon. 40 no. 6:58-61 Je '63.
Pashkova, V. I. [Essays on medicolegal osteology, determination of sex, age and growth according to human skeletal bones] Ocherki sudebnomeditsinskoi osteologii, opredelenie pola, vozrasta i rosta po kostiam skeleta cheloveka. Moskva, Medgiz, 1963. 153 p.
(DNLM)

MEDICAL MICROBIOLOGY
Ezhov, A. A., and N. B. Korostelev. [Attack on microbes] Nastuplenie na mikrobov. Moskva, Izd-vo "Znanie," 1963. 52 p. (Narodnyi universitet kul'tury. Fakul'tet zdorov'ia, no. 8)

MEDICAL MICROSCOPY see Microscopy, Medical

MEDICAL MUSEUMS
Museum dedicated to the memory of a Soviet physician, E. I. Domikhovskii. Sov. zdrav. 22 no. 6:95-96 '63.

MEDICAL MYCOLOGY
Griseofulvin, an effective preparation in the treatment of fungous diseases [with summary in English]. V. A. Artiunov, T. N. Podol'skaia. Sov. med. 27 no. 7:45-50 Jl '63.

MEDICAL PERSONNEL
(see also subdivision under Murmansk)
Legal consultation. A. V. Rott. Vrach. delo no. 8:157-158 Je '63.
Legal consultation. A. V. Rott. Vrach. delo no. 8:157-158 Ag '63.
Legal consultation. L. I. Bryksin. Zdravookhranenie 6 no. 1:83-84 Ja-F '63.

MEDICAL PERSONNEL—DISEASES AND HYGIENE
Influenza incidence among medical workers during the influenza epidemic in January 1962. I. M. Matovskii, L. L. Seredinina, O. G. Kornushkina. Zdrav. Ros. Feder. 7 no. 7:15-17 Jl '63.

MEDICAL PHOTOGRAPHY see Photography, Medical

MEDICAL RADIOLOGY see Radiology, Medical

MEDICAL SOCIETIES see subdivision under Rumania

MEDICAL TECHNOLOGISTS
New forms of improving the qualifications of nurses and clinical laboratory technicians. A. M. Saushkina. Med. sestra 22 no. 6:19-20 Je '63.

MEDICAL TESTS
Method of determining the supporting capacity of the lower extremity. S. S. Gronvik. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:170-171 Mr.-Ap. '63.

MEDICATED BATHS see Baths, Medicated

MEDICINE
(see also subdivision under Ukraine; Ukraine, Western)
Book reviews. Med. sestra 22 no. 6:54-57 Je '63.
Importance of archaeological data in the study of the history of native medicine. N. A. Bogoslavskii. Sov. zdrav. 22 no. 6:66-71 '63.
Pirogov Lectures delivered in Leningrad. A. B. Serebrennikov. Sov. zdrav. 22 no. 6:96 '63.
Seventeenth session of the general meeting of the Academy of Medical Sciences of the U. S. S. R. [I. P. Konstantinova, M. P. Semendiaeva]. Sov. med. 27 no. 7:110-140 Jl '63.
Significant and anniversary dates in the history of medicine, 1963. Sov. zdrav. 22 no. 6:71-75 '63.

MEDICINE—ABSTRACTS
Abstracts. Sov. med. 27 no. 7:142-147 Jl '63.
[Medical abstracts] Med. ref. zhur., sect. 1 vol. 7 no. 10 O '63. Sect. 3 vol. 7 no. 10 O '63. Sect. 4 vol. 7 nos. 8, 10 Ag, O '63. Sect. 5 vol. 7 nos. 8-9 Ag-S '63. Sect. 6 vol. 7 no. 9 S '63. Sect. 7 vol. 7 no. 10 O '63. Sect. 9 vol. 7 nos. 9-10 S-O '63. Sect. 10 vol. 7 no. 8 Ag '63.

MEDICINE—BIBLIOGRAPHY see Bibliography—Medicine

MEDICINE—CONGRESSES
Congress on medical history in the Hungarian People's Republic. V. I. Dmitrieva. Sov. zdrav. 22 no. 6:91-95 '63.
Eighteenth International Congress on the History of Medicine. E. D. Gribanov. Vrach. delo no. 6:117 Je '63.

MEDICINE—DICTIONARIES
[Large medical encyclopedia] Bol'shaia meditsinskaia entsiklopedia. Glav. red. A. N. Bakulev. Moskva, Gos. nauchn. izd-vo "Sovetskaia entsiklopediia."
Vol. 31. Spinnol mozg—tenzory. Izd. 2. 1963. 1248 columns
———— [List of articles and terms for the letters "Sh" and "T"] Perechen' statei i terminov na bukvy "S", "T" (tridtsat' pervyi tom). 4 p.
———— [Phonorecord of sound phenomena appended to the article "Senile dementia"] Grammofonnaia plastinka sodershit zapis' zvukovykh iavlenii k stat'e "Starcheskoe slaboumie."

MEDICINE—EXHIBITIONS
Medicine in the service of the people. Inform. biul. VDNKH no. 5:31 My '63.

MEDICINE—PHILOSOPHY
Tsaregolodtsev, G. I. [Dialectical materialism and medicine] Dialekticheskii materializm i meditsina. Moskva, Medgiz, 1963. 431 p.

MEDICINE—PRACTICE
Book reviews. Med. sestra 22 no. 6:54-57 Je '63.

MEDICINE—STUDY AND TEACHING
(see also subdivision under Kiev)
Organization of work in medical schools for subprofessional personnel. G. E. Volkova. Med. sestra 22 no. 6:9-13 Je '63.
Volkova, G. E., and S. M. Reznikov. [Work organization in schools for subprofessional medical personnel] Organizatsiia raboty v srednikh meditsinskikh uchebnykh zavedeniiakh. Moskva, Medgiz, 1963. 222 p.
(DNLM)

MEDICINE, INDUSTRIAL
(see also subdivision under Novomoskovsk, Tula Province; Sverdlovsk)
Organization of traumatological care at public health centers of industrial enterprises (continuation). S. IA. Freidlin. Med. sestra 22 no. 6:30-33 Je '63.

MEDICINE, INTERNAL
"Therapeutic physical culture in a clinic for internal diseases" by V. N. Moshkov. Reviewed by O. I. Sokol'nikov. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:178-179 Mr.-Ap. '63.

MEDICINE, MILITARY
Causes of repeated hospitalization of dysentery patients. S. V. Krakht, M. S. Amirov. Voen.-med. zhur. no. 8:75-77 '62.

MEDICINE, MILITARY—STUDY AND TEACHING

Improvement of the military physician A. I. Baranov Voen -med. zhur no 8,19-21 '62

MEDICINE, NAVAL

Characteristics of the manifestation of initial forms of parodontosis in naval personnel during lengthy cruises F. V. Bel'chikov. Voen -med zhur no 8:66-68 '62

Drinking conditions on ships in tropical ocean zones, review of literature. N I Bobrov, N.I Matuzov Voen. -med. zhur. no. 8 68-71 '62.

MEDICINE AND RELIGION

The pious pastor and poliomyelitis. N. Paklin Nauka i rel 4 no 7:48-49 Jl '63.

Sectarian fanatics spoil and ruin the health and the lives of people. L. M. Sukharebskii. Fel'd. i akush 28 no 2:33-37 F '63

MEDICINE IN SPORTS see Sports medicine

MEDIEVAL ANTIQUITIES see subdivision under Tajikistan

MEDITERRANEAN SEA REGION—ATOMIC WEAPONS

Criminal strategy [with English summary in insert] Az. i Afr. seg. no. 8 30-31 Ag '63.

MEDITERRANEAN SEA REGION—ATOMIC WEAPONS—INTERNATIONAL CONTROL

Discussion in Lebanon a letter from Beirut. Sami Habib. Nov. vrem. 21 no. 35 6 Ag '63.

MEDVEDEV, DMITRII NIKOLAEVICH, 1898-1951

In the woods near Rovno L. Korobov. V mire knig 3 no. 8-43-44 Ag '63.

MELANOMA

Melanoma of the external and middle ear in a 5-year-old child. E. I. Kisilevskii Vest otorin. no. 1, 89-90 '63

Study of transplanted Harding-Passey melanoma in the precipitation reaction in gel [with summary in English]. I. S. Bashkaev, G. I Rozenbaum. Vop. onk 9 no 2:83-87 '63.

MELESHCHENKO, VADIM SERGEEVICH, 1917-1961

Vadim Sergeevich Meleshchenko, obituary Trudy VSEGEI 83 146-147 '62.

MEL'NIKOV, IUVENALII DMITRIEVICH, 1868-1900

IU. D. Mel'nikov in Astrakhan. I. IA. Miroshnikov. Ukr. ist. zhur. 6 no. 3 107-108 My-Je '63.

MEL'NYCHUK, IURII STEPANOVYCH, 1921-1963

Before a fresh grave Fedn Makivchuk Ukraina no 19.8 Ag '63

MELON—DISEASE AND PEST RESISTANCE see subdivision under Uzbekistan

MELTING POINTS

Optical method for determining the melting point of graphite as dependent on pressure not exceeding 3000 atm. N. S. Fateeva, L. F. Vereshchagin, V. S. Kolotygin. Dokl. AN SSSR 152 no. 1:88-91 S '63.

Relation between the melting point and a change in the n-type conductivity of a substance in melting. A. R Regel'. Uch. zap. Ped. inst. Gorts. 197.187-191 '58.

MEMBRANES (TECHNOLOGY)

Stresses in a multilayer lense for compensators of high-pressure pipings. A. A. Voloshin. Vest. mashinostr. 43 no. 8:39-42 Ag '63.

MEMEL—BAKERIES

Organization of the work in the macaroni shops of the Klaipeda Bakery No. 2. M. A. Slesarenko. Khleb. i kond. prom. 7 no. 8:27-28 Ag '63.

MEMORY

Student memory and its training. A. I. Lipkina. Nach. shkola 31 no. 10.72-79 O '63.

MEMORY, DISORDERS OF

Case of a peculiar disorder of the memory following mitral commissurotomy. A. T. Masliev, V. M. Degtiareva. Trudy 1-go MMI 21:155-161 '63.

MENDELEVIUM

What is the right name for element 101. V. A. Korbut, A. M. TSukerman. Priroda 52 no. 8:124-125 Ag '63

MENINGES—DISEASES

Comatose form of acute hemorrhagic meningo-encephalitis with a favorable result. A. IU. Ratnev, A. N Smirnov. Kaz med. zhur. no 3:91-92 My-Je '63.

MENINGES—TUBERCULOSIS

Content of phthivazide in the cerebrospinal fluid in tuberculous meningitis in children [with summary in English]. E. P. Gutnik. Probl. tub. 41 no. 3.50-52 '63.

Course of the primary tuberculous process in tuberculous meningitis in children. T. S. Polikarpova. Probl. tub. no. 8:23-29 '62.

Effect of cortisone on the course of experimental tuberculous meningitis in puppies [with summary in French]. V. I. Ermolov, A. A. Batyreva, K. L. Voichenko. Probl. tub. no. 8:95-98 '62.

Protein fractions of the blood serum in tuberculous meningitis in children [with summary in French]. L. D. Firsova. Probl. tub. no 8 37-42 '62.

MENINGITIS

Serous meningitis in infectious nonspecific polyarthritis. V D Troshin Terap. arkh. 35 no. 1 99-100 Ja '63

MENSTRUATION

Transplantation of fetal membranes in some disorders of the menstrual function E. S. Kononova Kaz. med zhur no 3 58-60 My-Je '63

MENSURATION—ABSTRACTS

[Mensuration and measurement techniques] Ref. zhur : Meh. i izm. tekh. no. 10 S '63.

MENTAL DEFICIENCY

Cardiovascular disorders in Down's disease. V V Ruskikh. Trudy 1-go MMI 21:128-138 '63

MENTAL DEPRESSION see Depression, Mental

MENTALLY HANDICAPPED CHILDREN—EDUCATION

Let's give more attention to the schools for mentally handicapped children. V. S. Plyta. Rad. shk. 42 no. 6 98-102 Ag '63.

MENZHINSKII, VIACHESLAV RUDOL'FOVICH, 1874-1934

V. R. Menzhinskii as a student of St. Petersburg University [with summary in English]. R. A. Kazakevich. Vest. LGU 18 no. 14:101-106 '63.

MEPROBAMATE

Use of sedavin in cataract extraction [with summary in English]. E. O. Saksonova, G. A. Petropavlovskaia, R. S. Koptsiovskaia. Uch. zap. GNII glaz. bol. no 8:109-112 '63.

MERCAPTANS see Thiols

MERCAPTO GROUP

Effect of some protective substances on changes in the reactivity of tissue sulfhydryl groups in irradiated animals. L. I. Korchak, T. A. Speranskaia. Dokl. AN SSSR 151 no. 3 712-713 Jl '63.

MERCHANT MARINE

(see also subdivision under Black Sea region; Soviet Far East)

Brief review of research carried out by the "All-Union Scientific Research Institute for the Design and Planning of Establishments for the Merchant Marine" V F Mitrofanov Biul tekh -ekon. inform. Tekh upr. Min. mor flota 7 no 11 59-66 '62.

Carrying out the main objectives of the seven-year plan in sea transportation for 1959-1961 Biul tekh -ekon inform Tekh. upr Min. mor. flota 7 no 11 3-15 '62

Follow-up of published materials. Mor. flot 23 no. 5:41 My '63.

Follow-up of published materials. Mor. flot 23 no. 6:44-45 Je '63

Let the "Communist Youth Searchlight" shine brighter in the merchant marine. Mor flot 23 no. 6:1-2 Je '63.

Let us make a high level technical inspection of the operations of the fleet. Mor. flot 23 no 6:42 Je '63.

MERCHANT MARINE—BIBLIOGRAPHY see Bibliography—Merchant marine

MERCHANT MARINE—COST OF OPERATION

Changing operational and economic indices in varying the structural features of ships. E. G. Logvinovich. Trudy TSNIIMF no. 45:45-55 '63.

Permanent affectation of ships to lines. G. Vorob'ev. Rech. transp. 22 no. 6:44-45 Je '63.

Toward a new improvement in the economic aspects of the merchant marine. S. Baev. Mor. flot 23 no. 5:1-3 My '63.

Ways of improving the carrying capacity and the profitability of the merchant marine. A. Goldobenko. Mor. flot 23 no. 5:6-8 My '63.

MERCHANT MARINE—EQUIPMENT AND SUPPLIES

Supplying the merchant marine on quarterly statements. E. Sierkin. Mor. flot 23 no. 5:12-13 My '63.

MERCHANT MARINE—PASSENGER TRAFFIC

(see also subdivision under Volga River)

Increase the profitability of passenger transportation. M. Makeev. Rech. transp 22 no. 6:5-6 Je '63.

System of indices and work gauges in the passenger fleet. N. Savin. Mor. flot 23 no. 6:8-10 Je '63.

MERCHANT MARINE—SAFETY MEASURES

Greater attention to labor protection in the merchant marine. Biul. tekh. -ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:3-9 '62.

Sailing safety of seagoing ships. Biul. tekh. -ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:107-113 '62.

MERCHANT MARINE—SIGNALING

(see also subdivision under Volga River)

Original and easily remembered rule on storms and strong winds. I Vinichuk Mor flot 23 no 6:20 Je '63.

MERCHANT MARINE—TECHNOLOGICAL INNOVATIONS

Bureau of public marine designers. Mor. flot 23 no. 5: 42 My '63

MERCHANT SEAMEN

The best are recognized and awards. Mor. flot 23 no. 6 44 Je '63.

Captain of a young crew. Mor. flot 23 no. 5:47 My '63.

Crew of the steamer "Chernigov" is picking up speed in socialist competition V. Kacherga Mor. flot 23 no 5: 4-5 My '63

MERCHANT SEAMEN—DISEASES AND HYGIENE

Greater attention to labor protection in the merchant marine. Biul tekh. -ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10 3-9 '62.

Labor protection during work with epoxy resins T N. Novikov Biul tekh -ekon inform. Tekh upr Min mor flota 7 no 11 53-57 '62

MERCHANT SHIPS

Results of operating "Arkhangel'sk"-type ships. Biul tekh -ekon inform Tekh upr. Min mor. flota 7 no 11 16-23 '62

MERCHANT SHIPS—FUEL CONSUMPTION

Economize fuel and use it carefully. M. Davydov. Rech. transp. 22 no. 6:22-24 Je '63.

MERCHANT SHIPS—PASSENGER ACCOMMODATIONS

Keep her so! S. Livshits, A. Pluzhnikov. Mor. flot. 23 no. 6:3-4 Je '63.

MERCHANT SHIPS—SAFETY MEASURES

In foreign countries: New means of increasing the safety of ship maneuvers. S. Vladimirov. Rech. transp 22 no. 6:47 Je '63.

MERCURY

(see also subdivision under Crimean Mountains)

Simultaneous effect of radioactive rays and mercury on the mechanical properties of single crystals of zinc O. A. Troitskii, I. M. Kulemkov, V. I Likhtman Fiz met. i metalloved. 15 no 1 14-20 Jl '63

Supergene migration of mercury. N. Kh. Aidin'ian, G. A. Belavskaia. Trudy IGEM no. 99:12-15 '63.

MERCURY—TOXICOLOGY

Effect of small mercury vapor concentrations on the body [with summary in English]. I. M. Trakhtenberg, M. M. Gimadeev. Vrach. delo no. 6:103-106 Je '63.

Successful treatment of mercuric chloride poisoning without using antidotes. M G Gnkeva Kaz med zhur no 3:93-94 My-Je '63

MERCURY-ARC RECTIFIERS

Density of mercury vapor in open-type ignitrons. V. A. Babskii, A. V Rubchinskii, IU. D khromoi Vest elektroprom. 31 no. 8.34-40 Ap '63.

Improvement of a mercury rectifier firing system. I. P. Kotov, I. A. Turkovskii. Elek. i teplovoz. tiaga 7 no. 6:16-17 Je '63.

MERCURY ELECTRODES see Electrodes, Mercury

MERCURY INDUSTRY

Mercury situation in capitalist countries [with summaries in English, French and German, pp. 75-76]. BIKI [Prilozh.] no. 1:57-74 Ap '63.

MERCURY ORES

(see also subdivision under Khibiny Mountains; Yakutia)

Distribution of mercury in recent sediments. N. Kh. Aidin'ian, N. A. Ozerova, S. K. Gipp. Trudy IGEM no. 99:5-11 '63.

N. M. Sinitsyn's works and geological characteristics of the distribution of mercury and antimony deposits. V. E. Polarkov, B. V. Polarkov. Sov. geol. 6 no. 8:141-148 Ag '63.

Types of ore indicators used in prospecting for hidden mercury-antimony deposits. V. P. Fedorchuk. Trudy IGEM no. 99:26-38 '63.

MERCURY ORGANIC COMPOUNDS

Addition of a mercury salt of 1, 1, 3, 3-tetranitrobutane to ethylene. V. A. Tartakovskii, I. A. Savost'ianova, S. S Novikov. Izv. AN SSSR. Ser. khim. no. 7:1330-1331 Jl '63.

Effect of oxygen-containing additions on the mechanism underlying the reaction of benzyl mercury chloride with bromine in carbon tetrachloride. I. P. Beletskaia, T. A. Azizian, O. A. Reutov. Izv. AN SSSR. Ser. khim. no. 7: 1332-1333 Jl '63.

Structure of the crystals C_6H_5HgX. V I. Pakhomov. Zhur. strukt. khim 4 no. 4:591-601 Jl-Ag '63.

Synthesis of γ-mercuridinitrohydrocarbons. V. A. Tartakovskii and others. Izv. AN SSSR. Ser. khim. no. 7:1326-1329 Jl '63.

MERIKOFF, VEIKKAARLO, 1903-

MEROMORPHIC FUNCTIONS see Functions, Meromorphic

MESHKOV, VLADIMIR VASIL'EVICH, 1903-

MESITYLENE

MESONS

[Investigations of the decay of K-mesons and the isotopic invariance] (with summary in English) G. I. Merzon, [et al.] Zhur. eksp. i teor. fiz. 45 no. 2(8)188-194 Ag '63.

Investigation of the spectrum of baryons in inelastic collisions of fast [illegible] V. V. Barashenkov and others. Zhur. eksp. i teor. fiz. 45 no. 2(8)381-383 Ag '63.

The [illegible] and the mass difference between K_1^0 and [illegible] G. G. Marnian. Zhur. eksp. i teor. fiz. 45 no. 2(8)383-384 Ag '63.

Use of a threshold Cherenkov counter in separating π- and μ-mesons in meson beams. V. D. Dobrov and others. Prib. i tekh. eksp. 8 no. 5:55-57 My-Je '63.

MESONS—DECAY

[Investigation of the decay $K^0_{2\pi}$-decay] (with summary in English) I. S. Tsukerman. Zhur. eksp. i teor. fiz. 45 no. 2:189-194 Ag '63.

MESONS—SCATTERING

Elastic scattering of 3.5 Bev/c π-mesons by protons. M. S. Mirzafarov and others. Zhur. eksp. i teor. fiz. 45 no. 2:392-394 Ag '63.

Partial wave scattering waves with allowance for re-interaction (with summary in English) P. S. Isaev, V. I. Lendel', V. V. Mestcherkin. Zhur. eksp. i teor. fiz. 45 no. 2:254-262 Ag '63.

MESTA

Role of the Mesta in the Spanish history of the 18th century. N. I. Mitsyun. Vop. ist. 38 no. 8:211-218 Ag '63.

METABOLISM

Energy metabolism level in sponges. V. S. Ivlev, K. K. Likoshina. Dokl. AN SSSR 152 no. 1:241-243 S '63.

METABOLISM, DISORDERS OF

Changes in energy metabolism in burn disease (with summary in English). E. V. Gubler, E. P. Zimina. Sov. med. 27 no. 7:56-62 Jl '63.

Disorders of tissue metabolism in the receptor field in ascarid intoxication. I. A. Edel'shtein. Vestsi AN BSSR, Ser. biol. nav. no. 1:87-91 '63.

Intestinal lipodystrophy of Whipple's disease. N. T. Starostenko, N. F. Ostrovskaia. Zdravookhranenie 6 no. 1:55-57 Ja-F '63.

Problems with regard to lesions of the nervous system during metabolic disorders and diseases of the liver according to data of the Seventh International Neurological Congress in Rome. N. I. Grashchenkov, B. M. Gekht. Terap. arkh. 35 no. 1:105-112 Ja '63.

METAL CLADDING

Economic efficiency of electric arc metal cladding in ship repairs. A. G. Gromyko, Iu. A. Nesvetaev. Sudostroenie 29 no. 7:51-52 Jl '63.

Gromyko, A. G. [Electric arc method for manufacturing bimetallic bearings] Elektrodugovoi sposob izgotovleniia bimetallicheskikh podshipnikov. [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1963. 52 p.

METAL CRYSTALS

Akademiia nauk SSSR. Nauchnyi sovet po probleme zharoprochnykh splavov. [Investigations of highly resistant alloys and whisker crystals] Issledovaniia po vysokoprochnym splavam i nitevidnykh kristallam, doklady na nauchnoi sessii 1962 g. Moskva, 1963. 184 p.

Calculation of electron characteristics of metals. K. P. Gurov, I. E. Leksina, N. V. Penkina. Trudy inst. met. no. 15:65-74 '63.

Combined effect of irradiation and of a surface-active medium on the mechanical properties of single metal crystals. V. I. Likhman, O. A. Troitskii. Zhur. fiz. khim. 37 no. 8:1893-1896 Ag '63.

Methods of doping the crystals of CdSb compounds through alloys of the system Cd - Sb. N. I. Kostur, V. I. Pasaresc. Fiz. met. i metalloved. 16 no. 1:71-79 Jl '63.

METAL CRYSTALS—ABSORPTION SPECTRA

Characteristics of the electron spectrum of superconducting compounds. I. B. Borovskii. Trudy Inst. met. no. 15:79-87 '63.

METAL CRYSTALS—BIBLIOGRAPHY see Bibliography—Metal crystals

METAL CRYSTALS—ELASTIC PROPERTIES

Deduction of a Young's modulus design formula for crystals. Iu. G. Miller. Trudy Inst. met. no. 15:147-150 '63.

METAL CUTTING

Automatic hydraulic press for the sectioning of round rolled metal products. Iu. I. Karmatskii. Kuz.-shtam. proizv. 5 no. 7:21-25 Jl '63.

Criteria of dimensional precision in metal cutting. A. N. Al'tshuller. Stan. i instr. 34 no. 7:22-28 '63.

Cutting mechanism in jet hydroabrasion working of metal surfaces. S. A. Dovnar. Dokl. AN BSSR 6 no. 12:777-779 D '62.

Die for the simultaneous cutting of three different blanks. A. Ia. Bel'chenko. Kuz.-shtam. proizv. 5 no. 7:36-37 Jl '63.

Goranskii, G. K. [Using electronic computers in calculating cutting conditions] Raschet rezhimov rezaniia pri pomoshchi elektronno-vychislitel'nykh mashin. Minsk, Gos. izd-vo BSSR, 1963. 191 p.

[Handbook for the metalworker in five volumes] Spravochnik metallista v piati tomakh. Glav. red. N. S. Acherkan. Moskva, Mashgiz.
Vol. 4. Pod red. A. N. Malova. 1959. 778 p.

Investigating errors in cutting the hole of a bearing ring on automatic lines. E. A. Likhacheva. Trudy Inst. mash. Sem. po toch. v mash. i prib. no. 17:80-88 '63.

Investigating the mechanics of the process of cutting a round rod. V. T. Meshcherin, V. A. Trusov. Kuz.-shtam. proizv. 5 no. 5:8-11 My '63.

Ivanov, E. K. [Organization and technological processes of multiple machining] Organizatsiia i tekhnologiia gruppovogo proizvodstva. Pod red. G. A. Glazova. [Leningrad] Lenizdat, 1963. 154 p.

New methods for metal-chip removal and coolant cleaning. V. N. Sukhopol'skii. Avt. prom. 29 no. 9:1-4 S '63.

Use of contour and multicut machining. A. O. Etin, L. N. Grachev. Stan. i instr. 34 no. 7:1-7 Jl '63.

Vul'f, A. M. [Metal cutting] Rezanie metallov. Moskva, Mashgiz, 1963. 427 p.

METAL CUTTING, ELECTRIC see Electric metal cutting

METAL CUTTING TOOLS

Cutting tools for boring large holes. Mashinostroitel' no. 7:44 Jl '63.

Korytnyi, D. M. [Cutters] Frezy. Moskva, Mashgiz, 1963. 118 p.

Mandrel with a disk cutter. K. P. Epifanov. Mashinostroitel' no. 7:20 Jl '63.

New design of cutters. V. M. Ioffe. Mashinostroitel' no. 7:28 Jl '63.

METAL FOILS

Use of the method of thin metallic foils for studying the morphology of martensite. V. B. Spiridonov, Iu. A. Skakov, V. N. Iordanskii. Zav. lab. 29 no. 8:955-956 '63.

METAL INDUSTRY WORKERS see subdivision under Kentau

METAL IONS

New method of determining the ionic charge in metals and semiconductors. Iu. G. Miller. Trudy Inst. met. no. 15:11-17 '63.

METAL POWDERS

Methods of obtaining and calculating X-ray powder patterns. A. A. Kashaev, T. K. Rafikov. Trudy Alt. GMNII AN Kazakh. SSR 14:131-133 '63.

METALLIC FILMS

Effect of titanium structure on the structure of its scale. M. E. Blanter and others. Titan i ego splavy no. 9:264-269 '63.

METALLIC FILMS—ELASTIC PROPERTIES

Electron diffraction study of elastic deformation in thin condensed polycrystalline films of aluminum and silver. L. S. Palatnik and others. Dokl. AN SSSR 151 no. 3:556-559 Jl '63.

METALLIC OXIDES

Conversions of olefins in the presence of metal oxides. I. A. T. Eldug, B. K. Nefedov. Uspekhi khim. 32 no. 7:[illegible] 1051 S '63.

METALLIC OXIDES—THERMOELECTRIC PROPERTIES

Effect of highly refractory oxides on the thermoelectric force of tungsten, molybdenum, and tantalum in vacuum at 1,500°C. V. I. Ivanov, G. E. Pletenetskii, L. P. Nechiporenko. Ogneupory 28 no. 7:327-331 '63.

METALLOGRAPHY

Methods of revealing the substructure of metals. V. I. Kochnov, R. B. Gershman, A. M. Belikov. Fiz. met. i metalloved. 16 no. 1:152-155 Jl '63.

METALLOIDS—ELECTRIC PROPERTIES

Volt-ampere characteristics of semimetals in crossed electric and magnetic fields. V. P. Kalashnikov. Fiz. met. i metalloved. 16 no. 1:19-23 Jl '63.

METALLURGICAL FURNACES

New developments in research. V. F. Isupov, A. I. Belikov. Stal' 23 no. 8:761 Ag '63.

METALLURGICAL FURNACES—MAINTENANCE AND REPAIR

Use and prospects of introducing refractory concrete and ramming materials in ferrous metallurgy. G. G. Pavlogandler. Ogneupory 28 no. 7:296-300 '63.

METALLURGICAL FURNACES—MATHEMATICAL MODELS

Mathematical model of the active heat exchange zone in shaft furnaces for purposes of the automatic smelting of oxide nickel ores. A. Ashimov, D. I. Iaworskii. Izv. vys. ucheb. zav.; tsvet. met. 6 no. 3:151-156 '63.

METALLURGICAL LABORATORIES

Electron microscopy in the laboratory of the "Krasnyi oktiabr'" plant. A. P. Okenko, M. I. Ivanenkov. Zav. lab. 29 no. 8:1018 '63.

METALLURGICAL PLANTS
(see also subdivision under Novokuznetsk)

Conference on "Means for improving power engineering and furnace economy of metallurgical plants." I. N. Varshavskii. Prom. energ. 18 no. 5:57-59 My '63.

Considering the time of construction in comparing capital investment variants. U. B. Baimuratov, S. IA. Rachkovskii. Izv. vys. ucheb. zav., tsvet. met. 6 no. 1:157-164 '63.

METALLURGICAL PLANTS—ACCIDENTS

Mechanization and automation of production processes and traumatism in the hot-working departments of the F. E. Dzerzhinskii Metallurgical Plant. M. D. Kharlamendik. Sov. zdrav. 22 no. 6:25-27 '63.

METALLURGICAL PLANTS—AIR CONDITIONING

Air conditioning of crane cabins in hot departments of metallurgical plants. V. F. Volkov, Iu. S. Andriushchenko. Trudy Dnepropetrovsk. politekh. inst. no. 108:79-88 '61.

METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION

Construction of metallurgical plants. Inform. biul. VDNKH no. 5:28-29 My '62.

METALLURGICAL PLANTS—HEATING AND VENTILATION

Glushkov, L. A. [Protection from overheating in the hot shops of metallurgical plants] Zashchita ot peregrevov v goriachikh tsekakh metallurgicheskikh zavodov. Moskva, Metallurgizdat, 1963. 213 p.

METALLURGICAL RESEARCH

All-Union public inspection of the carrying out of research programs and the introduction of scientific and technological achievements into the national economy. Stal' 23 no. 7:670 Jl '63.

METALLURGY

Low temperature thermochamber for the cold treatment of metals. N. I. Il'ina. Khol. tekh. 40 no. 3:74-77 My-Je '63.

New developments in research. G. N. Khasin, V. N. Davidiuk. Stal' 23 no. 8:787 Ag '63.

Pliskin, Iu. S., and A. N. Valov. [Methods and equipment for measuring low radioactivity in metal and slag specimens] Metody i apparatura dlia izmereniia malykh radioaktivnostei prob metalla i shlaka. Moskva, Metallurgizdat, 1963. 132 p.

METALLURGY—COSTS

Methods of dividing production expenditures into constant and fluctuating ones. I. A. Medvedev and others. Stal' 23 no. 8:748-752 Ag '63.

METALLURGY—QUALITY CONTROL

Principles of the effective analytical control in industry. A. B. Shnevich, V. M. Solov'ev, L. I. Topalov. Zav. lab. 29 no. 8:1019-1022 '63.

METALS
(see also subdivision under Kola Peninsula; Erivan region)

Electrons in metals; A short guide to the Fermi surface. Part 4: The properties of real metals [translated from the English]. J. M. Ziman. Usp. fiz. nauk 80 no. 3:505-510 Jl '63.

METALS (Continued)
On zero points of metals. L. I. Antropov. Ukr. khim. zhur. 29 no. 6 555-565 '63.
Relation between the activation energy of some electrochemical and catalytic processes and the properties of metals. V. V. Demchenko. Zhur. fiz. khim. 37 no. 8 1849-1851 Ag '63.

METALS—ANALYSIS
Cause of the rupture of the upper transversal anchor bolts of coke ovens. I. K. Kostiunin and others. Koks i khim. no. 6 21-23 '63.
Device for the thermal analysis of metal specimens. S. A. Skotnikov, Iu. A. Savel'ev. Trudy Inst. met. no. 15 159-162 '63.

METALS—ELECTROMAGNETIC PROPERTIES
Electric and magnetic properties of metals and alloys having undergone surface saturation by elements. G. N. Dubinin. Fiz. met. i metalloved. 16 no. 1 33-39 Jl '63.

METALS—FATIGUE
Principal requirements for correlating the criteria of static and cyclic strength of metals. I. A. Oding, V. S. Ivanova, Iu. P. Liberov. Dokl. AN SSSR 151 no. 1 92-95 Jl '63.

METALS—HARDENING
Plastic flow of a hardener material in a multiangular strip. Report No. 2. G. IA. Gun, P. I. Polukhin. Izv. vys. ucheb. zav., chern. met. 6 no. 7:91-95 '63.

METALS—PICKLING
Chemically stable paint coatings for the protection of aluminum alloys in the process of contour dimensional pickling. V. N. Padeiskii. Lakokras. mat. i ikh prim. no. 3 37-41 '63.
Methods of revealing the substructure of metals. V. E. Kochnov, R. B. Gershman, A. M. Belikov. Fiz. met. i metalloved. 16 no. 1 152-155 Jl '63.

METALS—TESTING
Establishing thermomechanical conditions for plastic deformation and the forming of metals. L. A. Rabinovich. Kuz.-shtam. proizv. 5 no. 5:1-5 My '63.
Investigating the efficiency of building-up materials under dynamic abrasive wear conditions. K. P. Chudakov, I. V. Petrov, L. S. Valova. Vest. mashinostr. 43 no. 8, 25-29 Ag '63.
Method for determining the yield strength of a metal at high temperatures. IA. M. Okhrimenko. Zav. lab. 29 no. 8:976-978 '63.
On the parameter m of tension curves. L. B. Getsov. Zav. lab. 29 no. 8:988-990 '63.

METALS, EFFECT OF TEMPERATURE ON
Effect of temperature on the fine structure of L_{III} X-ray absorption spectra of indium and cadmium. O. P. Sharkin. Trudy Inst. met. no. 15:133-137 '63.
Investigating the specific resistivity of alloys in the system Ti - Al at temperatures starting from room temperature up to 1200°C. I. I. Kornilov, V. S. Mikheev, K. M. Konstantinov. Fiz. met. i metalloved. 16 no. 1 57-60 Jl '63.
Temperature dependence of internal friction and the modulus of rigidity of ferromagnetic alloys. V. S. Postnikov, G. K. Mal'tseva, V. I. Razumov. Izv. vys. ucheb. zav.; chern. met. 6 no. 7:149-154 '63.
Temperature dependence theory of the fine structure of X-ray absorption spectra. V. V. Shmidt. Trudy Inst. met. no. 15:120-132 '63.
Titanium interaction with moisture at 400 to 600° temperatures. V. S. Mirochnikov, V. A. Reznichenko. Titan i ego splavy no. 9:186-190 '63.

METALS, EFFECT OF RADIATION ON
Investigating the properties of neutron-irradiated iron. Sh. Sh. Ibragimov, A. G. Karmilov. Fiz. met. i metalloved. 16 no. 1:40-43 Jl '63.
Simultaneous effect of radioactive rays and mercury on the mechanical properties of single crystals of zinc. O. A. Troitskii, I. M. Kuleshov, V. I. Likhtman. Fiz. met. i metalloved. 16 no. 1:44-50 Jl '63.

METALS, RARE AND MINOR
Effect of ultrasonic waves on the process of leaching hard to dissolve rare metal compounds. N. N. Khavskii and others. Izv. vys. ucheb. zav.; tsvet. met. 6 no. 3:106-109 '63.
Small things can have great value. B. Rozen. Sem'ia i shkola 18 no. 6 40-42 Je '63.

METALS AT HIGH TEMPERATURES
Frantsevich, I. N., R. F. Voitovich, and V. A. Lavrenko. [High temperature oxidation of metals and alloys] Vysokotemperaturnoe okislenie metallov i splavov. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1963, 321 p.

METALS AT LOW TEMPERATURES
Apparatus for studying the creep of metals at low temperatures. I. A. Gindin and others. Prib. i tekh. eksp. 8 no. 3:169-171 My-Je '63.

METALWORK
[Handbook for the metalworker in five volumes] Spravochnik metallista v piati tomakh. Glav. red. N. S. Acheikan. Moskva, Mashgiz.
Vol. 4. Pod red. A. N. Malova. 1959. 778 p.

METALWORK—STUDY AND TEACHING
Conducting laboratory work. M. S. Stepanov. Shkola i proizv. 7 no. 8:63-64 Ag '63.
Murashev, N. V. [Methods of teaching a general course in metalwork] Metodika prepodavaniia obshchego kursa slesarnogo dela. Moskva, Proftekhizdat, 1963. 163 p.
Practice in metalwork. A. V. Kartashov. Shkola i proizv. 7 no. 8:65-73 Ag '63.

METALWORK—TESTING
New method of testing ship metal structures for tightness. T. G. Kravtsov. Sudostroenie 29 no. 5:52 My '63.

METALWORKERS see subdivision under Nizhniy Tagil

METALWORKERS—DISEASES AND HYGIENE
Glushkov, L. A. [Protection from overheating in the hot shops of metallurgical plants] Zashchita ot peregrevov v goriachikh tsekakh metallurgicheskikh zavodov. Moskva, Metallurgizdat, 1963. 213 p.

METALWORKERS—EDUCATION AND TRAINING see subdivision under Ukraine

METALWORKING MACHINERY
Machining refined cast iron with instruments made of new materials. A. M. Kucher, P. P. Bychkov. Trudy LTITSBP no. 8:182-185 '61.

METAMORPHISM (GEOLOGY)
Concerning V. I. Gurevich's article "Metamorphism of underground waters in the process of katagenesis." E. V. Posokhov. Sov. geol. 6 no. 8:148-150 Ag '63.

METASOMATISM
(see also subdivision under Tuva A.S.S.R.)
Chemical composition of lithium micas from metasomatically altered granites. A. A. Sitnin, I. S. Razina. Geokhimiia no. 7:695-699 Jl '63.

METASTASIS
Cerebral metastases in chorionepithelioma. E. M. Stekhlov. Vrach. delo no. 8:127-129 Je '63.
Clinical X-ray diagnosis of central lung cancer with retrograde metastases [with summary in English] G. S. Rukhimovich, IA. M. Kiol, G. M. Bonk. Vop. onk. 9 no. 2:17-24 '63.

METEORITES
(see also subdivision under Antarctic regions; Podkamennaya Tunguska Valley; Sikhote-Alin Range)
Composition of nickel iron in various types of iron and iron stone meteorites. M. I. D'iakonova, V. IA. Kharitonova. Meteoritika no. 23:42-44 '63.
Diamonds in stone meteorites [with summary in English]. A. P. Vinogradov, G. P. Vdovykin. Geokhimiia no. 8 715-720 Ag '63.
Genetic regularities in the chemical composition of chondrites. A. A. IAvnel'. Meteoritika no. 23:36-41 '63.
Hypersthene and olivine of the IUrtuk meteorite. V. D. Kolomenskii, I. V. Mikheeva. Meteoritika no. 23:62-71 '63.
Mineralographic and chemical study of opaque minerals of the Okhansk meteorite. I. A. IUdin, S. I. Smyshliaev. Meteoritika no. 23:72-79 '63.
New data on the nature of the organic compounds of carbonaceous chondrites. G. P. Vdovykin, N. V. Pomortseva. Geokhimiia no. 12:1105-1107 '62.
Origin of meteorites and tektites [with summary in English]. I. E. Stark, E. V. Sobotovich, M. M. Shats. Geokhimiia no. 3:245-253 Mr '63.
Results of comparison of bitumens in carbonaceous chondrites with bitumens in rocks. G. P. Vdovykin. Meteoritika no. 23:58-61 '63.

METEORITES—BIBLIOGRAPHY see Bibliography—Meteorites

METEOROLOGICAL INSTRUMENTS—TESTING
Method of calibration and checking of hygrometers based on the saturation deficit in a three-chamber hygrothermostat [with summary in English]. P. E. Mikhailov. Inzh.-fiz. zhur. 6 no. 7:98-100 Jl '63.

METEOROLOGICAL OPTICS
Luminous phenomena in the atmosphere. A. D. Zamorskii. Priroda 52 no. 8:62-66 Ag '63.

METEOROLOGY see subdivision under Arctic regions

METEOROLOGY—CHARTS, DIAGRAMS, ETC.
Making AT300 prognostic charts using diurnal isallohypses. Kh. P. Pogosian, A. A. Pavlovskaia. Trudy TSIP no. 122:3-20 '63.

METEOROLOGY, AGRICULTURAL
(see also subdivision under Moscow Province; Ukraine; Volga Valley)
Changes in the agrometeorological conditions under the effect of shelterbelts. L. A. Razumov. Trudy TSIP no. 131:84-100 '63.
Effect of the agrometeorological conditions on the weight of 1000 winter wheat and rye kernels in the southern half of the European part of the U. S. S. R. B. P. Ponomarev. Trudy TSIP no. 131:101-121 '63.
Using data on the dynamics of the increase of the mass of growing plants for evaluating the agrometeorological conditions of the formation of the winter rye crop. E. A. TSuberviller. Trudy TSIP no. 131:130-139 '63.

METEORS
Achievements of the meteor astronomy in 1958-1961. I. S. Astapovich, V. V. Fedynskii. Meteoritika no. 23:91-100 '63.

METHACRYLIC ACID
Anion exchangers based on the copolymers of glycidyl methacrylate and dimethacrylic esters of ethylene glycol [with summary in English]. P. G. Ionnisiant, B. N. Laskorin, N. L. Alekseeva. Vysokom. soed. 5 no. 8:1213-1218 Ag '63.
Fractionation of a copolymer of methyl methacrylate with styrene. L. G. Kudriavtseva and others. Neftekhimiia 3 no. 3 313-317 My-Je '63.
Kinetics and mechanism of n-butyl methacrylate polymerization under conditions of isotactic polymer formation [with summary in English]. Z. A. Azimov, A. A. Korotkov, S. P. Mitsengendler. Vysokom. soed. 5 no. 8 1141-1151 Ag '63.
Polymerization of methyl methacrylate in the presence of organoaluminum compounds. K. S. Minskei, A. I. Gracvskii, G. A. Razuvaev. Dokl. AN SSSR, Ser. khim. no. 8:1483-1487 Ag '63.
Synthesis and study of copolymers of 2-methyl-5-vinylpyridine with mon-, di-, and triethylene glycol dimethacrylates. A. B. Davankov, L. B. Zubakova, N. M. Petrova. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2:204-208 '63.

METHALLYL CHLORIDE—TOXICOLOGY
Vascular disorders in the brain in methallyl chloride intoxication. V. V. Russkikh. Trudy 1-go MMI 21:544-546 '63.

METHANE
Equation of the state of dichlorodifluoromethane (freon-12) [with summary in English]. G. I. Tsel'man. Inzh.-fiz. zhur. 6 no. 7:121-123 Jl '63.
Express quantitative analysis of solutions of chloro derivatives of methane from infrared absorption spectra. N. A. Gozhenko, V. N. Malinko. Zav. lab. 29 no. 8:947 '63.
Injecting methyl bromide by a burette. A. I. Smetnik. Zashch. rast. ot vred. i bol. 8 no. 7:46-47 Jl '63.
Interaction of ethylene with trihalomethanes containing chlorine and bromine. A. B. Bellavskii, V. N. Kost. Izv. AN SSSR, Ser. khim. no. 8:1514-1516 Ag '63.
Relation of properties and reactivity of X-substituted methanes with their structure. M. G. Papulov. Zhur. struk. khim. 4 no. 4:617-621 Jl-Ag '63.
Synthesis of polymers from diphenylmethane derivatives by means of polyrecombination reaction. V. A. Vasnev, S. L. Sosin, V. V. Korshak. Izv. AN SSSR, Ser. khim. no. 8:1487-1490 Ag '63.

METHANESULFINIC ACID
Formamidinesulfinic acid in the analytical chemistry of platinum metals. Report No. 1. Determination of rhodium [with summary in English]. N. K. Pshenitsyn, I. V. Prokof'eva, A. I. Bukanova. Zhur. anal. khim. 18 no. 6 761-764 Je '63.

METHANOL
Cyclic polymerization and copolymerization. Report No. 25: Structure of dimethylvinylethynylmethanol polymers and the mechanism of their formation. S. G. Matsoian, N. M. Morlian. Izv. AN Arm. SSR. Khim. nauki 16 no. 4:347-356 '63.

METHANOL—THERMAL PROPERTIES
Critical boiling in a flow of underheated methyl alcohol. P. I. Povarnin. PMTF no. 3:143-147 My-Je '63.

METHYL VIOLET
Oxidation of mixtures of aromatic amines to methyl violet. M. N. Karpinskii, G. I. Khomiakova. Trudy LTITSBP no. 8:123-126 '61.

MICA—ANALYSIS
(see also subdivision under Siberia, Western)
Determining B_2O_3 in synthetic boric mica by the neutron absorption method. N. G. Egorov, L. A. Sukhova. Trudy NIIAsbestcementa no. 11:114-119 '61.

MICHIGAN—ECONOMIC CONDITIONS
The economy of Michigan. V. Perlo. Mir. ekon. i mezhdunar. otn. no. 8:98-109 '63.

MICROBIOLOGY
Studies in microbiology. S. S. Dinchenko. Mikrobiol. zhur. 25 no. 4:58-62 '63.

MICROBIOLOGY—STUDY AND TEACHING
Lessons on the topic "Metazoan and protozoan forms of organisms." O. A. Skobeleva. Biol. v shkole no. 4:27-33 Jl-Ag '63.

MICROCLIMATOLOGY

[illegible] small-scale [illegible] of microclimate of [illegible] in Erevan [illegible] Prom-stroi [illegible] no. 8 [illegible]

MICROFIRE-RESISTANT subdivision under Kazakhstan

MICRO-ORGANISMS

[illegible] bacteria, plants, and marble [illegible] Izv. Len. gos. ped. in-ta, LGU [illegible] no. 5-7a '61.

MICROPHOTOGRAPHY

[illegible] in forest cartography [survey of foreign literature] [illegible] Geod. i kart [illegible] no. 6 '61.

MICROSCOPE—TECHNIQUE

Device with manifocus manipulators for studying microscopic objects in transmitted light. E. P. Bochkov. Trudy, STANKIN no. 23 170-174 '62.

MICROSCOPY, MEDICAL

Capillaroscopic observations. A. N. Artsev. Vrach. delo no. 11 119-120 N '63.

MICROWAVE COMMUNICATION SYSTEMS

[illegible] for R-5 [illegible] for receiving and [illegible] V. V. Sharonov. Tekhnika [illegible] no. 4 [illegible]

MICROWAVE MEASUREMENTS

Features of a coherent method for measuring low-frequency fluctuations of microwave generators. S. S. Karatetskii, S. A. Kormilov, E. I. Khatskevich. Radiotekhnika 18 no. 6 62-70 Je '63.

MICROWAVE SPECTROSCOPY

Microwave spectrum of the molecule $F_2HC - CH_2I$. I. S. Mukhtarov. Dokl. AN SSSR 151 no. 5 1076-1078 Ag '63.

MICROWAVE TUBES

Similarity of electronic vacuum systems. M. S. Neiman. Izv. vys. ucheb. zav., radiotekh. 6 no. 3 217-223 My-Je '63.

MICROWAVES

Contribution to the theory of a two-layer dielectric waveguide in a cylindrical screen. G. I. Veselov, L. A. Lukinov. Radiotekh. i elektron. 8 no. 9 1530-1541 S '63.

Design of a ferrite phase shifter. M. T. Novosaratov, L. V. Sumerkina. Radiotekh. i elektron. 8 no. 9 1552-1557 S '63.

Effect of a strong electric field on the absorption of superhigh-frequency radiation in photosensitive lead sulfide films. S. N. Chechurin. Fiz. tver. tela 5 no. 8. 2365-2367 Ag '63.

Effect of mismatch on the characteristics of an O-type backward-wave oscillator. I. V. Kasatkin, G. N. Rapoport. Radiotekh. i elektron. 8 no. 9 1577-1586 S '63.

Increase in the frequency selectivity of systems by suppressing undesirable signal modulations. V. P. Zelenin. Trudy GPI 16 no. 2 17-60 '60.

Isolated frame antenna with spherical ferrite core in a conductive medium. P. P. Pavlo. Radiotekh. i elektron. 8 no. 9 1523-1529 S '63.

Mechanism underlying the effect of microwaves on the electroconductivity of n-InSb at low temperatures. V. A. Danilychev, B. D. Osipov. Fiz. tver. tela 5 no. 8. 2369-2371 Ag '63.

Transmission of microwaves using reflections from a row of focusing mirrors. B. Z. Katsenelenbaum. Radiotekh. i elektron. 8 no. 9 1516-1522 S '63.

Use of dispersive dielectrics in the capacitive elements of the lower frequencies of microwave filters. D. B. Khalapin. Radiotekh. i elektron. 8 no. 9 1639-1641 S '63.

MICROWAVES—THERAPEUTIC USE

Apparatus for microwave therapy. V. G. Asnogorodskii. Vop. kur., fizioter. i lech. fiz. kul't 27 no. 5:451-452 S-O '62.

MICRURGY

Microsurgical instruments and appliances [with summary in English]. A. B. Large. Zool. zhur. 42 no. 8:1257-1260 '63.

Technique of the microsurgery of insects [with summary in English]. N. A. Tamarina. Zool. zhur. 42 no. 8:1260-1264 '63.

MIDDLE AGES—HISTORIOGRAPHY

Kosminskii, E. A. [Historiography of the Middle Ages from the 5th through the 19th century] Istoriografiia srednikh vekov, V v. - seredina XIX v.; lektsii. Pod red. S. D. Skazkina i dr. [Moskva] Izd-vo Mosk. univ., 1963. 429 p.

MIDDLE EAST see Near East

MIDDLE URAL ECONOMIC REGION—PRODUCTION STANDARDS

From the practice of the Ural voluntary-staffed bureaus for establishing technical standards. A. Shagin. Vop. ekon. no. 9:127-129 S '63.

MIDDLE VOLGA ECONOMIC REGION—CHEMICAL INDUSTRIES

What keeps back the development of the chemical industry in the Volga Valley. Kh. Markarian. Prom. khoz. 40 no. 9 77-78 S '63.

MILDEW

(see also subdivision under Moldavia)

Copper sulfate in controlling mildew. I. N. Bluvshtein. Zashch. rast. ot vred. i bol. 8 no. 5:40-42 My '63.

New preparations against mildew. A. D. Lipetskaia. Zashch. rast. ot vred. i bol. 8 no. 7 57-58 Jl '63.

Oidium infection in vineyards. P. M. Shterenberg, M. G. Bukovskaia. Zashch. rast. ot vred. i bol. 8 no. 7 33-35 Jl '63.

MILIOLIDAE, FOSSIL see subdivision under Laba Valley

MILITARY AERONAUTICS see Aeronautics, Military

MILITARY ART AND SCIENCE

Laws of armed combat and the creative work of the commander. M. I. Afsikov. Komm. Vooruzh. Sil 3 no. 16 50-57 Ag '63.

MILITARY ART AND SCIENCE—HISTORY

Rotmistrov, P. A., ed. [History of the art of war] Istoriia voennogo iskusstva. Moskva, Voenizdat, Vol. 1-2. 1963.

[Maps] Karty

MILITARY BASES

Centers of aggression [with English summary in insert]. S. Fil'shtinskii. Az. i Afr. seg. no. 8 28-30, 32-33 Ag '63.

MILITARY BASES, AMERICAN see subdivision under Australia, Japan; Thailand

MILITARY EDUCATION

Faithful to the sacred duty. G. Shatunov. Mol. komm no. 9:38-43 S '62.

Historical data on the struggle for mathematical training of progressive officers of the Russian army in the first quarter of the 19th century. Uch. zap. MGPI no. 188 209-223 '62.

MILITARY LAW

Rulings of the Military Collegium of the Supreme Court of the U. S. S. R. Biul. Verkh. Suda no. 4:41-43 '63.

MILITARY MEDICINE see Medicine, Military

MILITARY RADIO see Radio, Military

MILITARY RECONNAISSANCE

Sinaev, A. D. [Reconnaissance in a mountainous terrain] Razvedka v gornoi mestnosti. Moskva, Voenizdat, 1963. 106 p.

MILK—THERAPEUTIC USE

Acidophilic-yeast milk products in the treatment of peptic ulcer and chronic gastritis [with summary in English]. P. V. Smoligovets. Vrach. delo no. 8:41-45 Ag '63.

MILK SUPPLY see subdivision under New York (City)

MILKING MACHINES

Korolev, V. F. [Milking machines, theory, construction, and design] Doil'nye mashiny, teoriia, konstruktsiia i raschet. Moskva, Mashgiz, 1962. 283 p. (DNAL)

Objectives of milking units. I. El'shanskii. Izobr. i rats. no. 7 30-32 '63.

Universal milking installation. V. Mkrtumian, N. Petukhov. Tekh. v sel'khoz. 23 no. 5:25-28 My '63.

MILLING MACHINERY

Selection of material for lining plates of ball mills. O. A. Nesvizhskii, IA. D. Khorin. Gor. zhur. no. 8 62-67 Ag '63.

MILLING MACHINERY—ELECTRIC DRIVING

Some problems concerning the operation of synchronous motors driving ball mills and rod mills. L. M. Feigin. Elektrichestvo 7:78-83 Jl '63.

MILLING MACHINES

Device for determining the trajectory and speed of the cutter center on milling machines. B. F. Zhurin. Vest. mashinostr. 43 no. 6 62-63 Ag '63.

Set of widely universal milling machines. M. L. Lesnitskii. Stan. i instr. 34 no. 7 42-44 Jl '63.

MILLING MACHINES—ATTACHMENTS

Attachment for milling pinion shaft teeth. I. B. Dmitrievskii. Mashinostroitel' no. 7:29 Jl '63.

Milling attachments set in vises. P. M. Sapozhnikov. Stan. i instr. 34 no. 7:34-35 Jl '63.

MILLING MACHINES—COOLING

Selecting a cooling system for milling and turning heat-resistant and rustproof materials. V. M. Zaitsev. Vest. mashinostr. 43 no. 8:70-72 Ag '63.

MILLING MACHINES—DESIGN AND CONSTRUCTION

Specification of the technical characteristic and selection of rated conditions in designing longitudinal milling machines. S. I. Shmutter. Stan. i instr. 34 no. 7 7-12 Jl '63.

MILLIVOLTMETER

Improving the reliability of the MRShch-54 regulating millivoltmeter. A. M. Potrov. Priborostroenie no. 7:30 Jl '63.

MINE COMMUNICATIONS—EQUIPMENT AND SUPPLIES

New means of automatic control and traffic control produced by the testing establishments of the Constructive Bureau of Automatic Control in Nonferrous Metal Mines. G. A. Zubkov. Gor. zhur. no. 8 16-18 Ag '63.

MINE DRAINAGE see subdivision under Kustanay Province

MINE DUSTS—PREVENTION

Relation between the flocculating and coagulating action of dust-wetting additives and a reduction in the dust in the air during drilling. F. N. Belash. Sbor. nauch. trud. KGRI no. 7:349-350 '59.

MINE DUSTS—REMOVAL

Removing dust from the air in drilling holes in coal [illegible] A. F. Sachkov, A. I. Lafanov, V. Ш. Loseennoss [illegible] zhur. no. 8 68-69 Ag '63.

MINE GASES

Comments on K. A. Ermakov's article "Gas conditions in coal mines and their classification by gas." B. K. Bogdygin. Bezop. truda v prom. 7 no. 7:30-31 Jl '63.

Gas dynamics of a coal seam and contour protection of workings. B. G. Tarasov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 7:98-104 '63.

Theory of the outflow of gaseous blasting products from stopes. S. I. Lugovskii. Sbor. nauch. trud. KGRI no. 7 172-186 '59.

MINE HAULAGE

(see also subdivision under Sibay region)

Evnevich, A. V. [Machines for mine haulage] Gornye transportnye mashiny. Izd 2. Moskva, Gosgortekhizdat, 1963. 467 p.

Fidelev, A. S., and M. M. Zherbin. [Trackless trolley truck transportation] Trollleivoznyi transport. Kiev, Gostekhizdat USSR, 1963. 104 p.

Most important trend in solving the transportation [illegible] in open pits. M. V. Vasil'ev. Gor. zhur. no. 8 34-40 Ag '63.

Research performed by the Dnepropetrovsk Mining Institute on problems in mine haulage. N. S. Polinkov. Vop. rud. transp. no. 7 4-16 '63.

MINE HAULAGE—SAFETY MEASURES see subdivision under Krivoy Rog Basin

MINE HOISTING

Pravitskii, N. K. [Mine hoisting apparatus] Rudnichnye pod"emnye ustanovki. Moskva, Gosgortekhizdat, 1963. 416 p.

MINE HOISTING—BRAKES see subdivision under Krivoy Rog Basin

MINE MANAGEMENT

(see also subdivision under Kursk Magnetic Anomaly)

Basing technical and organizational measures on the efficiency correlation method. V. B. Sivyi. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 7:91-95 '63.

Using computers for operator control of mining operations in open-pit mines. A. D. Shkol'nikov. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 7:140-144 '63.

MINE RAILROADS

(see also subdivision under Krivoy Rog Basin)

Calculation of the basic parameters of locomotives with gyroflywheels. V. I. Khlintun, M. I. Shcherbakov. Vop. rud. transp. no. 7 210-223 '63.

Effect of the magnetization of the wheels of an electric mine locomotive on the specific value of the tangential pulling force. V. G. Volkov. Vop. rud. transp. no. 7 240-244 '63.

Establishing a parametric series for electric mine locomotives. S. A. Volotkovskii, A. A. Rengevich, A. I. Kuprian. Vop. rud. transp. no. 7:182-194 '63.

Open-pit rail transportation and possible ways of improving it. P. L. Sledziuk, L. G. Tymovskii. Gor. zhur. no. 8:30-32 Ag '63.

Study of the aerodynamic losses for friction of gyroflywheels in inertial mine locomotives. N. N. Petukhov. Vop. rud. transp. no. 7:223-240 '63.

Use of electronic computers in rail transportation. A. I. Mitelko. Vop. rud. transp. no. 7:276-287 '63.

MINE RAILROADS—CARS

(see also subdivision under Sweden)

Experimental studies of bearing assemblies of mine car chutes with conical roller bearings. E. E. Novikov. Vop. rud. transp. no. 7:250-254 '63.

MINE RAILROADS—CURVES AND TURNOUTS

Describing vehicles in inclined curves of mine railroads A S Podoprigora, B A Bakholdin, E. E. Novikov. Vop. rud. transp. no. 7 270-275 '63.

Movement of a two-axle electric locomotive around a curve while pulling B A Kuznetsov Vop. rud. transp. no 7:172-182 '63.

Standards for the radii of curves for two-axle mine rolling stock B A Kuznetsov. Vop. rud. transp. no 7 254-269 '63

MINE RAILROADS—ROLLING STOCK

Basic resistance of rolling stock to moving in starting. A. A Rengarten. Vop rud. transp. no. 7:214-230 '63.

MINE ROOF BOLTING see subdivision under Donets Basin, Northern region

MINE SAFETY see subdivision under Krivoy Rog Basin

MINE SURVEYING

Determination of the elements in the position of joints in using open-pit and underground methods of working iron ore deposits. M. L. Rudakov, V. G. Zoteev, L. V. Mozhaev. Trudy Inst. gor. dela UFAN SSSR no. 5:107-111 '63.

Evaluation of the results of measurements made in mine surveys. IA. I. Perel'shtein Sbor. nauch. trud KGRI no 7 207-214 '59.

Using plumb bobs in geometrical orientation of mines. I G Lisitsa Gor. zhur no 8 49-52 Ag '63.

Work experience with a NSM-2 level in underground surveying. L. A. Denisenko Izv. vys. ucheb. zav., tsvet. met. 6 no. 3:11-15 '63

MINE TIMBERING

Occurrence of rock pressure in experimental use of a system with a flexible metal ceiling in northern Ural bauxite mines. B. A. Vol'khin, M. G Panteleev Trudy Inst. gor. dela UFAN SSSR no. 5.13-20 '63.

Present-day mine supports. N. Mel'nikov. Prof.-tekh. obr. 20 no. 8:15-17 Ag '63.

MINE TIMBERING—COSTS

Rubles in heaps. P. Gurov. Sov. shakht. 12 no. 6:17 Je '63.

MINE VENTILATION

Vsesoiuznoe soveshchanie po proveti ivaniiu rudnikov i obespyliv aniiu rudnichnogo vozdukha, Dzhezkazgan, 1960. [Transactions of the All-Union Conference on Mine Ventilation and Dust Removal] Trudy Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 207 p. [MICROFILM]

MINERAL INDUSTRIES

Resolution of the June Plenum of the Central Committee of the CPSU is the immediate program of the builders of communism Gor. zhur no 8 3-4 Ag '63

MINERAL INDUSTRIES—BY-PRODUCTS

Effect of the waste of magnesium casting slag and dolomite dust on the agrochemical properties of turf-Podzolic soils, yield of farm crops and its quality. N. A. Murashov. Trudy VIUA no. 38:218-236 '61.

Waste of apatite and nepheline dressing plants as liming materials. N. I. Aliamovskii. Trudy VIUA no. 38 191-207 '61.

Waste of the vanadium industry as liming material. N. I. Aliamovskii, A. P. Kevorkov. Trudy VIUA no. 38: 212-217 '61.

MINERAL OILS

Effect of the braking radiation of betatron with an energy of 25 Mev and of ultraviolet rays on mineral oils. S. Z Kaplan and others Khim. i tekh. topl. i masel 8 no. 8 57-61 Ag '63.

Supplying the national economy with petroleum oils and lubricants. I. O. Khrapov. Transp. i khran. nefti no. 1: 34-35 '63

MINERAL WATERS

(See also subdivision under Caucasus, Northern; Krivoy Rog Basin, Sukhumi; Transcarpathia; Tsaishi; Yevpatoriya)

Concerning the article "On the methods of study of the effect of mineral waters on the secretory function of the digestive glands" by E. I Luchnikova. Iu. K. Vasilenko. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:461-462 S-O '62.

Concerning E. I. Luchnikova's article "Critical evaluation of the methods used in the study of the effect of mineral waters on the secretory function of the digestive glands." A. N. Bakuradze. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:458-461 S-O '62.

Coordination Commission for the Internal Use of Mineral Water. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:478 S-O '62.

Unsolved problems of the physiological effect of mineral waters on the digestive organs and their importance for clinical practice. T. I. Kipiani. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:453-458 S-O '62.

MINERAL WATERS, ARTIFICIAL

History of the preparation of artificial mineral waters in Russia. G. D. Novinskii. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:447-448 S-O '62.

MINERAL WOOL

Heat insulating slag wool obtained during the electric smelting of semifinished products of the lead and zinc industries. V. V. Vershinina. Trudy Alt. GMNII AN Kazakh. SSR 14:141-149 '63.

MINERALOGICAL CHEMISTRY

Composition of hydrothermal solutions. N. G. Thrin. Geol. rud. mestorozh. 5 no. 4:24-42 Jl-Ag '63.

Scale of the luminosity of minerals and the chemical bond. A. S. Povarennykh. Sbor. nauch. trud. KGRI no. 7:19-28 '59.

$Zr O_2/Hf O_2$ ratio in zircons from the alkali complex in the Vishnevye and Il'men Mountains [with summary in English] E. B Khalezova, L. I. Sosnovskaia Geokhimiia no 1:68-78 Ja '63

MINERALOGY

Chemical and crystallochemical factors determining mineral stability. V. V Shcherbina Min. syr'e no 7 49-11 '63

Main characteristics of the minerals of the samarskite structural type. S. A Gorzhevskaia, G. A Sidorenko Min. syr'e no. 7:96-107 '63.

V. I Vernadskii and modern mineralogy. E. V Rozhkova Min. syr'e no. 7 7-10 '63.

MINERALS see subdivision under Nagol'nyy Ridge

MINERALS—ANALYSIS

IAkubovich, A. L. [Use of scintillation apparatus for fast analysis of mineral resources] Uskorennyi analiz mineral'nogo syr'ia s primeneniem stsintillitatsionnoi apparatury Moskva, Gosatomizdat, 1963, 130 p

MINERALS IN THE BODY

Content of macro- and microelements in goiter-changed and normal thyroid glands in the residents of L'vov Province. M. IA Sobko, S. D. Kazakov. Vrach. delo no. 6:124-125 Je '63

MINERALS IN PLANTS

Extent of the selective absorption capacity of plants for the elements of mineral nutrition D. B. Vakhmistrov, Z. I. Zhubritskii. Dokl AN SSSR 151 no. 5 1226-12 8 Ag '63.

MINERALS IN SOILS

V. I. Vernadskii and the study on the content of trace elements in soils. IA. V. Peive. Pochvovedenie no. 8: 21-30 Ag '63.

MINERS—DISEASES AND HYGIENE

Work of a nurse in the department of occupational diseases in the mining industry. M. A. Markin Med. sestra 22 no. 6 28-30 Je '63.

MINERS—EDUCATION AND TRAINING

Future miners study progressive work methods. N. Penizov. Prof.-tekh. obr. 20 no. 8:14-15 Ag '63.

MINES AND MINERAL RESOURCES see subdivision under Armenia

MINING ENGINEERING

(see also subdivision under Krivoy Rog Basin; Ural Mountain region)

Calculation of interchamber pillars in working pitching ore beds. A. A. Ilivitskii. Trudy Inst. gor. dela UFAN SSSR no. 5 21-28 '63.

Calculation of losses of ore in the mine in induced block caving. A. N. Omel'chenko, M. I. Gleizer, B. F. Gavrilov. Razved. i okh. nedr 29 no. 7 44-46 Jl '63.

Calculation of the stability of interchamber pillars in working steep ore beds. A. A. Ilivitskii Gor. zhur no 8 14-18 Ag '63

Controlling the breaking of ore in a free-block caving system. V. F. Lavrinenko. Sbor. nauch. trud. KGRI no. 7:145-161 '59.

Determining the annual output in working ore deposits. A. I. Steshenko, D. Z. Gel'man. Sbor. nauch. trud. KGRI no. 7:120-128 '59.

Effect of individual factors on the stability of the roof. D. O. Eshpanov and others. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 7:85-86 '63.

Methodology of determining standards for losses and impoverishment of ores in systems with cavings. S. E. Nikulin. Sbor. nauch. trud. KGRI no. 7.109-119 '59.

Parameters of the system of overburden removal in inclined layers. E. G. Chaikovskii, A. IA. Tishkov. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:97-107 '62.

Plotnikov, A. M. [Development miner] Prokhodchik podgotovitel'nykh vyrabotok 3., peres. i dop. izd Moskva, Gosgortekhizdat, 1963. 254 p.

Present-day mine supports. N. Mel'nikov. Prof.-tekh. obr. 20 no. 8:15-17 Ag '63.

Some results of rock pressure studies in working ore veins of the Vostochnyy Kounrad Mine. N. V. Eshutkin, M. L. Rudakov. Trudy Inst. gor. dela UFAN SSSR no. 5: 5-11 '63.

Study of the occurrence of rock pressure in the support zone. N. T. Lysenko. Trudy Inst. gor. dela UFAN SSSR no. 5:49-54 '63.

TSentral'nyi institut tekhnicheskoi informatsii ugol'noi promyshlennosti. [Analysis of the practice of driving horizontal development workings] Analiz opyta provedeniia gorizontal'nykh podgotovitel'nykh vyrabotok, sbornik statei. Moskva, 1962. 39 p. (Seriia "Stroitel'stvo i rekonstruktsiia ugol'nykh predpriiatii") [MICROFILM]

MINING ENGINEERING—ABSTRACTS

[Mining] Ref. zhur. Gor. delo no. 6 S '63.

MINING ENGINEERING—BIBLIOGRAPHY see Bibliography—Mining engineering

MINING ENGINEERING—COSTS

(see also subdivision under Kursk Magnetic Anomaly)

Planning the cost of drifting horizontal mine workings. IA. V. Mosseikovskii. Nauch. trudy MGI no. 43:13-18 '62.

MINING ENGINEERING—SAFETY MEASURES

(see also subdivision under Mingalimual)

Conducting the classes on industrial safety. P. Uvarov. Prof.-tekh. obr. 20 no. 8:29 Ag '63.

MINING GEOLOGY

Practice in using a camera for recording mining data. IA. M. Kishlakov, D. G. Latyshev. Geol. rud. mestorozh. 5 no. 4:101-102 Jl-Ag '63.

MINING INDUSTRY AND FINANCE

Sources for financing development work in operating mines. I. M. Dudnik, D. D. Shtepko. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 7.96-97 '63.

MINING MACHINERY

(see also subdivision under Kvalyun)

Don't repeat mistakes! A. I Ilinkin Gor. zhur. no. 8 77-79 Ag '63

Standardization of mining machines. A. V Popova. Gor. zhur no. 8 5-11 Ag '63

Using the information theory in calculating the value of the criteria for the operating reliability of automatic control systems of mining equipment. N. G. Plushchev. Izv. vys. ucheb. zav., gor. zhur. 6 no. 7 161-170 '63.

MINING MACHINERY—ELECTRIC DRIVING

Stations series PGKh5000T for controlling electric motors with short-circuited rotors in tropical conditions V. M Berlovskii Gor. zhur. no 8 18 Ag '63

MINING MACHINERY—TESTING

Dynamics of the working part of loaders with the bucket on a rocker arm. S. A Pokhanskii, A. A. Dikhtiar. Vop. rud. transp. no. 7.300-305 '63.

Study of the 2PPN-1 rock loader. S. I. Rabenko and others. Vop. rud. transp. no. 7:288-299 '63.

MINSK—AUTOMOBILE ENGINEERING—STUDY AND TEACHING

Department of Automobile and Tractor Engineering. S. A. Bludov. Sbor. nauch. trud. Bel. politekh. inst. no 66:43-51 '57.

MINSK—BUILDING—STUDY AND TEACHING

Department of Construction. N. K. Kenarel'. Sbor. nauch. trud. Bel. politekh. inst. no. 66:27-34 '57.

Department of Structural Engineering and its role in training structural engineers and in assisting the construction industry of the White Russian S. S. R. IA. I. Drozd, I. L. Khaikin. Sbor. nauch. trud Bel. politekh. inst. no. 66:210-246 '57.

MINSK—CHEMISTRY, TECHNICAL—STUDY AND TEACHING

Department of Technical Chemistry. M. S. Reprintsev. Sbor. nauch. trud. Bel. politekh. inst. no. 66:59-68 '57.

MINSK—ECONOMICS—STUDY AND TEACHING

Students' creativeness should be the concern of every department. Nauch. dokl. vys. shkoly ekon. nauk 6 no. 5:107-109 '63.

MINSK—ELECTRIC ENGINEERING—STUDY AND TEACHING

Department of Electric Power. A. I. Butakli. Sbor. nauch. trud. Bel. politekh. inst. no. 66:12-19 '57

MINSK—HEATING—STUDY AND TEACHING

Research work and training of specialists at the Department of Heat Supply and Ventilation I. Kh Odel'skii Sbor. nauch. trud. Bel. politekh. inst. no. 66:158-166 '57.

MINSK—HYDRAULIC ENGINEERING—STUDY AND TEACHING

Department of Hydraulic Engineering. A. A. Pavlovskii. Sbor. nauch. trud. Bel. politekh. inst no. 66:35-44 '57

MINSK—MECHANICAL ENGINEERING—STUDY AND TEACHING

Department of Mechanical Engineering. A. M. Dmitrovich. Sbor. nauch. trud. Bel. politekh. inst. no. 66:19-27 '57.

MINSK—PEAT

Department of Peat. N. V. Alekhnovich. Sbor. nauch. trud. Bel. politekh. inst. no. 66:51-59 '57.

MINSK—PRINTING—STUDY AND TEACHING

Future printers. M. Stamiborau Belarus 20 no 5:22 My '63

MINSK—SHOE INDUSTRY

You needn't forget on [illegible] N. TS., [illegible] Rab. i sial. [illegible] Ag '63

MINSK—SOCIAL SCIENCES—STUDY AND TEACHING

Department of [illegible] Sciences. Z. Z. Dubich, V. T. Mu[illegible], Sb. nauch. trud. Bel. politekh. inst. no. 60, 69-71 '57

MINSK—STUDENTS' SOCIETIES

Scientific Students' Society at the White-Russian Polytechnical Institute. V. V. Ermolenko. Sb. nauch. trud. Bel. politekh. inst. no. 60, 247-252 '57

MINSK—TECHNICAL EDUCATION

Work of this institute should be up to the standards of our current objectives. M. V. Dorofeenok. Sb. nauch. trud. Bel. politekh. inst. no. 65, 5-11 '57

MINSK—TRACTOR INDUSTRY—PRODUCTION STANDARDS

Production norm center staffed with volunteers. . . V. Aleksandrovich. Sov. profsoiuzy 19 no. 13: 12-13 Jl '63.

MINSK—VENTILATION—STUDY AND TEACHING

Research center and training of specialists at the Department of Heat Supply and Ventilation. E. Ia. Ol'shanskii. Sb. nauch. trud. Bel. politekh. inst. no. 66: 158-166 '57.

MINUSINSK DISTRICT—ANTIQUITIES

Khlobystina, M. D. [Bronze knives in the Minusinsk District and some problems in the development of Karasuk culture] Bronzovye nozhi Minusinskogo kraia i nekotorye voprosy razvitiia karasukskoi kul'tury. Leningrad, Ermitazh, 1962. 31 p. (MH)

MIRABILITE

Selection of the means for mechanized recovery of bottom sediments of mirabilite-steklets under conditions found at Lake Kuchuk. E. G. Chatkovskii. Trudy Inst. gor. dela Sib. otd. AN SSSR no. 7:159-169 '62

MIRGALIMSAI—MINING ENGINEERING—SAFETY MEASURES

Achievements of miners of the Mirgalimsai mine. N. N. Tatarkin. Bezop. truda v prom. 7 no. 7: 21-22 Jl '63.

MIRNYY REGION, ANTARCTICA—ICE

Some features of the growth of land ice in the Mirnyy region. A. P. Shesterikov. Probl. Arkt. i Antarkt. no. 13: 19-25 '63.

MITES

(see also subdivision under Almaata region; Kara Kum, Trans-Ili Alatau; Tselinograd Province)

Morphological changes in the skin of cattle infested with Demodex bovis as indices of a series of biological processes in the parasite. D. K. Poliakov. Trudy VNIIVS 14:34-35 '59.

MITOCHONDRIA

Electron microscopic study of the sunflower seeds and the accumulation of reserve substances. I. N. Sveshnikova, Iu. P. Bobiakina. Dokl. AN SSSR 151 no. 5:1222-1224 Ag '63.

Some new data on the interrelations between mitochondria and the channels of endoplasmatic reticulum. Ia. Iu. Komissarchik, V. F. Mashanskii. Dokl. AN SSSR 151 no. 1:198-200 Jl '63.

MITRAL VALVE—SURGERY

Case of a peculiar disorder of the memory following mitral commissurotomy. A. T. Masliev, V. M. Degtiareva. Trudy 1-go MMI 21:155-161 '63.

Role of the somatic factor in the genesis of mental disorders following mitral commissurotomy. V. M. Degtiareva, R. N. Lebedeva. Trudy 1-go MMI 21:139-146 '63.

MIXING MACHINERY—ELECTRIC DRIVING

Investigating the turning mechanism of a 1300-ton mixer. V. M. Greber i and others. Izv. vys. ucheb. zav., chern. met. 6 no. 7:183-190 '63.

MLYNANY—EVERGREENS

Methods and prospects for the acclimatization of evergreen plants at the Mlynany Arboretum. A. I. Laffers. Bot. zhur. 48 no. 7:1074-1081 Jl '63.

MLYNANY—PLANT INTRODUCTION

Methods and prospects for the acclimatization of evergreen plants at the Mlynany Arboretum. A. I. Laffers. Bot. zhur. 48 no. 7:1074-1081 Jl '63.

MODELING

Use of clay in classes. E. K. Gorlunov. Nach. shkola 31 no. 7: 88 Jl '63.

MODELS AND MODELMAKING—STUDY AND TEACHING

Training of modelers. V. M. Sosnovskii. Shkola i proizv. 7 no. 8:51-54 Ag '63.

MODERN HISTORY see History, Modern

MODERNISM (ART)

In opposition to modernism in art. Iskusstvo 26 no. 5: 59 '63.

MODILEVSKII, IAKOV SAMUILOVICH, 1883-

IAkov Samuilovich Modilevskii. K. IU. Kostrikhova. Bot. zhur. 48 no. 7:1071-1073 Jl '63.

MODULAR COORDINATION (ARCHITECTURE)

Adoption of a system of preferable figures for the unification of industrially produced buildings in lumbering industry enterprises. G. N. Zotov. Sbor. trud. LIZHF no. 18: 78-106 '62.

Modular and gradation functions of coordination dimensions of the elements of buildings. IA. P. Vasserman. Izv. vys. ucheb. zav., stroi. i arkhit. 6 no. 2:130-140 '63.

MODULATION (ELECTRONICS)

Conversion of frequency modulated oscillations to amplitude-frequency modulated oscillations using a differentiating device. L. IA. Il'nitskii. Izv. vys. ucheb. zav., radiotekh. 6 no. 3:313-315 My-Je '63.

MÖSSBAUER EFFECT

Shape of Mossbauer spectrum lines related to the spread of local ▽E values. S. V. Karlagin. Fiz. tver. tela 5 no. 8: 2128-2132 Ag '63.

MOGILEV—MOTOR VEHICLES—SOCIETIES, ETC.

Braked enthusiasm. R. IArov. Za rul. 21 no. 5:15 My '63

MOGILEV PROVINCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

An order of the banner of a collective farm. IA. Sadovskii. Belarus' 20 no. 8: 6 My '63

One more page. Mikola Zhyhotski. Rab. i sial. 39 no. 6: 10 Je '63.

MOHAMMEDAN ANTIQUITIES see subdivision under Pendzhikent

MOHENJO-DARO

Mohenjo-daro (translated from the Czech). Jiří Hanzelka, Miroslav Zikmund. Vokrug sveta no. 1: 41-44 Ja '63.

MOISTURE—MEASUREMENT

The VM-3 device for rapid determination of the moisture content in flour. T. D. Dzhaparidze. Priborostroenie no. 7: 29 Jl '63.

MOISTURE IN BUILDING MATERIALS

Using radioactive radiation to determine the moisture of materials during the automation of technological processes in the construction industry. V. V. Sudakov. Sbor. trud. LIZHT no. 19: 77-89 '62.

MOLASSES

Method for determining potassium in molasses. L. G. Notkina, M. G. Golubchik, L. M. Balyberdina. Khleb. i kond. prom. 7 no. 8: 17-19 Ag '63.

MOLDAVIA—AGRICULTURAL CHEMICALS

Station for the preparation of working solutions. IU. K. Gavrilov, E. K. Bolbochan. Zashch. rast. ot vred. i bol. 8 no. 5: 39-40 My '63.

MOLDAVIA—AGRICULTURAL WORKERS

Legas', I. [Everything in the name of man, and for the good of man, activities of the Communist Party in raising the material welfare of collective farmers during the period of 1953-1962] Vse vo imia cheloveka, dlia blaga cheloveka; deiatel'nost' Kommunisticheskoi partii po dal'neishemu povysheniiu material'nogo blagosostoianiia kolkhoznogo krest'ianstva v period 1953-1962 godov. Po materialam Moldavskoi SSR. Kishinev, Kartia moldovenianske, 1962. 49 p.

MOLDAVIA—AGRICULTURAL WORKERS—DISEASES AND HYGIENE

Skin diseases of workers on the M. V. Frunze and "Kopanka" State and Vegetable Farms in the Moldavian S. S. R. P. P. Kozlishkurt. Zdravookhranenie 6 no. 1: 11-15 Ja-F '63.

MOLDAVIA—APPLE—DISEASES AND PESTS

Controlling apple powdery mildew in nurseries. G. A. Paterilo, G. N. Florinskaia. Zashch. rast. ot vred. i bol. 8 no. 7: 26 Jl '63.

MOLDAVIA—CANNING INDUSTRY—LABOR PRODUCTIVITY

Potentials for increasing labor productivity in auxiliary operations. N. I. Dzhurinskii. Kons. i ov. prom. 18 no. 7: 38-40 Jl '63.

MOLDAVIA—CHILDREN—SURGERY

Some problems of specialized surgical service for the children of Moldavia. N. K. Georgiu. Zdravookhranenie 6 no. 1: 7-11 Ja-F '63.

MOLDAVIA—CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION

Volunteer commissions for intradepartmental control. IA. Gol'dshtein. Fin. SSSR 37 no. 6: 84 Je '63.

MOLDAVIA—CORN (MAIZE)

Vinogradskii, M. M. [One hundred centners of [illegible] hectare, work practices of Fedor Pomyrla[illegible] on the "Pobeda" Collective Farm, Kaplanovskii [illegible] 100 tsentnerov kukuruzy s gektara, iz opyta [illegible] zvena Fedora Pomyrla. Hanu iz kolkhoza [illegible] nenskogo raiona] Kishinev, Partizdat Ts[illegible] Moldavii, 1962. 16 p. (DNAL)

MOLDAVIA—EYE—DISEASES AND DEFECTS

Organization of measures decreasing the incidence of eye diseases in village polyclinics. K. I. [illegible] Kozin. Zdravookhranenie 6 no. 1: 20 [illegible]

MOLDAVIA—FRUIT CULTURE

Successes of fruit growers on the "Leninskii" [illegible] Farm. IA. I. Anaulliak. Zashch. rast. ot vred. i bol. no. 5: 8-9 My '63.

MOLDAVIA—GRAPES—DISEASE AND PEST RESISTANCE

Determining the resistance of grapes to Phylloxera according to a hundred-point system. P. Kh. Kiskin, Chebotar', Fiz. i mery bor'by s nei no. 1: [illegible]

Effect of the time of infection with Phylloxera on the span of a grapevine. P. Kh. Kiskin. Fiz. i mery bor'by s nei no. 1: 69-70 '61.

Methods for determining the resistance of grapes to Phylloxera. P. Kh. Kiskin. Fiz. i mery bor'by s nei no. 1: 80-86 '61.

Regeneration of roots and the resistance of grapes to Phylloxera. P. Kh. Kiskin. Fiz. i mery bor'by s nei no. 1: 71-81 '61.

Speed of the formation of wound peridermin grapes of various resistance to Phylloxera. M. I. [illegible] Fiz. i mery bor'by s nei no. 1: 52-68 '61.

MOLDAVIA—GRAPES—VARIETIES

Development of Phylloxera resistant and high-quality grape varieties. IA. I. Prints, P. Kh. Kiskin. Fiz. i mery bor'by s nei no. 1: 82-96 '61.

MOLDAVIA—INDUSTRIAL MANAGEMENT

Potentials of the enterprises of Moldavia. I. Ia. Fin. SSSR 37 no. 6: 61-65 Je '63.

MOLDAVIA—LAVENDER (PLANT)

Characteristics of the development of the [illegible] of lavender in Moldavia. G. I. Munteanu. [illegible] no. 4: 628-630 Jl-Ag '63.

MOLDAVIA—MARKETING—COSTS

Reduce the distribution expenses of supply and [illegible] organizations. S. Finkel'. Torg. delo 20 [illegible] 45 Ag '63.

MOLDAVIA—MEDICAL CARE

Consultation service for patients under dispensary care according to Republic Sanitary Aviation [illegible] Moldavian S. S. R. B. M. Dulgopol. Zdravookhr. [illegible] 6 no. 1: 16-20 Ja-F '63.

MOLDAVIA—MILDEW

Controlling apple powdery mildew in nurseries. G. A. Paterilo, G. N. Florinskaia. Zashch. rast. ot vred. i bol. 8 no. 7: 26 Jl '63.

MOLDAVIA—PEASANT UPRISINGS

Dragnev, D. M. [The haiduks, the people's avengers; outline history of the heroic struggle of the Moldavian haiduks against local and foreign oppressors] Ocherk narodnye mstiteli, ocherk istorii geroicheskoi bor'by moldavskikh gaidukov protiv mestnykh i inozemnykh ugnetatelei. Pod red. N. A. Mokhova. Kishinev, Izd-vo "Shtiintsa," 1962. 49 p. (CSt-H)

MOLDAVIA—PHYLLOXERA

Determining the resistance of grapes to Phylloxera according to a hundred-point system. P. Kh. Kiskin, Chebotar', Fiz. i mery bor'by s nei no. 1: [illegible]

Development of Phylloxera resistant and high-quality grape varieties. IA. I. Prints, P. Kh. Kiskin. Fiz. i mery bor'by s nei no. 1: 82-96 '61.

Effect of the time of infection with Phylloxera on the span of a grapevine. P. Kh. Kiskin. Fiz. i mery bor'by s nei no. 1: 67-70 '61.

Methods for determining the resistance of grapes to Phylloxera. P. Kh. Kiskin. Fiz. i mery bor'by s nei no. 1: 80-86 '61.

Regeneration of roots and the resistance of grapes to Phylloxera. P. Kh. Kiskin. Fiz. i mery bor'by s nei no. 1: 71-81 '61.

Speed of the formation of wound periderm in grapes of various resistance to Phylloxera. M. I. [illegible] Fiz. i mery bor'by s nei no. 1: 52-68 '61.

MOLDAVIA—PHYLLOXERA—EXTERMINATION

Hexachlorobutadiene in controlling Phylloxera. IA. I. Prints, V. M. Kozlov, I. F. Slonovskii. Zashch. rast. ot vred. i bol. 8 no. 5: 25-27 My '63.

The Phylloxera problem at present. IA. I. Prints. Fiz. i mery bor'by s nei no. 1: 3-8 '61.

MOLDAVIA—PHYLLOXERA—EXTERMINATION (Continued)

Results of six years' testing of dichloroethane and its purified still residues in Moldavia. IA. I. Prints, V. M. Kozlov, I. F. Slonovskii. Fil. i mery bor'. s nei no. 1:9-16 '61.

Results of three years' testing of hexachlorobutadiene in controlling Phylloxera (Phylloxera vastatrix Planch) IA. I. Prints, V. M. Kozlov, I. F. Slonovskii. Fil. i mery bor'. s nei no. 1:17-20 '61.

MOLDAVIA—POTATOES

Preserving potatoes against degeneration and increasing their productivity in the southern potato growing areas. F. I. Nemchin. Agrobiologiia no. 1 615-617 Ja-Ag '63.

MOLDAVIA—PUBLIC HEALTH

Results of the November Plenum of the Central Committee of the CPSU, the Sixth Plenum of the Central Committee of the Moldavian Communist Party and tasks of the public health agencies of the Republic. I. D. Sorochan. Zdravookhranenie 6 no. 1:3-7 Ja-F '63.

MOLDAVIA—PUBLIC HEALTH, RURAL

Organization of measures decreasing the incidence of eye diseases in village polyclinics. K. I. Zaria, A. V. Kozin. Zdravookhranenie 6 no. 1:20-23 Ja-F '63.

MOLDAVIA—RADIO STATIONS

Preparing to welcome the 22d Congress of the CPSU with appropriate achievements. Tekh. kino i telev. 5 no. 7:1-2 Jl '61

MOLDAVIA—RESEARCH

Moldavian scientific research under the new conditions. IA. S. Grosul. Vest. AN SSSR 33 no. 9:42-44 S '63.

MOLDAVIA—SKIN—DISEASES

Skin diseases of workers on the M. V. Frunze and "Kopanka" State Fruit and Vegetable Farms in the Moldavian S. S. R. P. P. Kozishkurt. Zdravookhranenie 6 no. 1:11-15 Ja-F '63.

MOLDAVIA—SPRAYING AND DUSTING IN AGRICULTURE

Successes of fruit growers on the "Leont'evo" State Farm. IA. I. Asauliak. Zashch. rast. ot vred. i bol. 8 no. 5:8-9 My '63.

MOLDAVIA—WEEVILS—EXTERMINATION

Economic method. Sh. M. Grinberg. Zashch. rast. ot vred. i bol. 8 no. 5:14 My '63.

MOLDING (FOUNDING)

Automation of the casting of lead seals. V. D. Romanenko, V. P. Kravets. Zhel. dor. transp. 45 no. 7:61 Jl '63.

Using rapidly drying mixtures for the making of molds and cores for large castings. L. A. Bol'shakov and others. Stal' 23 no. 8:710-711 Ag '63.

MOLECULAR BEAMS

Plotting a directionality diagram for molecular beams. B. S. Ivanov, V. S. Troitskii. Zhur. tekh. fiz. 33 no. 4:494-499 Ap '63.

MOLECULAR DYNAMICS

Nonequilibrium energy distribution between the oscillatory degrees of freedom of molecules following a disturbance of Maxwellian distribution. A. I. Osipov, E. V. Stupochenko. PMTF no. 3:41-44 My-Je '63.

MOLECULAR ORBITALS

Locating the best σ- and π-orbitals by the method of maximum overlap. V. M. Volkov, M. E. Diatkina. Zhur. strukt. khim. 4 no. 4:610-616 Jl-Ag '63

MOLECULAR ROTATION

Calculating the second moment of the nuclear magnetic resonance line in isotropic molecular rotation. L. V. Dmitrieva, V. V. Moskalev. Fiz. tver. tela 5 no. 8: 2230-2231 Ag '63.

Molecular gyromagnetism [with summary in English]. Ch. K. Mukhtarov. Zhur., eksp. i teor. fiz. 45 no. 2, 185-187 Ag '63.

MOLECULAR SPECTRA

Physical meaning of force constants and the construction of the potential function of polyatomic molecules. L. A. Gribov. Dokl. AN SSSR 151 no. 3:612-615 Jl '63.

MOLECULAR WEIGHTS

Application of turbidimetric titration for determining the molecular weight distribution of polystyrene and α-methylstyrene [with summary in English]. N. A. Pravikova, L. G. Riabova, IU. P. Vyrskii. Vysokom. soed. 5 no. 8: 1165-1170 Ag '63.

Determination of the molecular weight of standard samples of polystyrene by the osmotic method. M. I. Usmanova, Kh. U. Usmanov. Uzb. khim. zhur. 7 no. 3:64-69 '63.

Semiautomatic apparatus for the cryoscopic determination of the molecular weights of petroleum products. G. E. Dukhovnyi. Khim. i tekh. topl. i masel 8 no. 8:62-64 Ag '63.

MOLECULES

Applicability of the method of molecular orbits of free electrons in calculating molecules. O. A. Ponomarev. Izv. vys. ucheb. zav.; fiz. no. 4:56-61 '63.

Dissociation of ions from methane, ammonia, and water due to collisions with molecules in the energy range 3, 9 to 100 Kev. S. L. Kuprianov, A. A. Perov. Zhur. tekh. fiz. 33 no. 7 823-831 Jl '63.

Intramolecular rearrangement. L. S. Maiants. Dokl. AN SSSR 151 no. 3 624-627 Jl '63.

Some methods in nuclear theory applied to molecular encounters [with summary in English]. Z. Matkhiz, V. G. Neudachin. Zhur. eksp. i teor. fiz. 45 no. 2:131-142 Ag '63.

State and several problems of the theory of the electronic clouds of molecules. N. D. Sokolov. Usp. khim. 32 no. 8:967-983 Ag '63.

MOLECULES—VIBRATION

Law of the exclusion of redundant coordinates in the problem of molecular vibration involving generalized forces. I. V. Rigina, I. N. Godnev. Izv. vys. ucheb. zav., fiz. no. 4:171-175 '63.

MOLLUSKS

(see also subdivision under Altai Mountains)

Temperature effect on the filtration of freshwater shells. G. P. Kondrat'ev. Nauch. dokl. vys. shkoly, biol. nauki no. 3:17-20 '63.

MOLLUSKS, FOSSIL see subdivision under Georgia, Talysh Mountains

MOLODECHNO—AUDITING AND INSPECTION

Miscalculations in planning. P. Karataev. Fin. SSSR 37 no. 8:72-74 Ag '63.

MOLODECHNO DISTRICT—WOMEN IN AGRICULTURE

The most important sector. Antanina Miakshyla. Rab. i sial. 39 no. 6 5 Je '63.

MOLYBDENITE see subdivision under Chorukh-Dayron region

MOLYBDENITE—ANALYSIS

Mode of rhenium occurrence in molybdenite. V. T. Pokalov. Min. syr'ia no. 7:179-181 '63.

MOLYBDENUM

Investigating reactive diffusion in systems "metal - complex gas." Part 7: Molybdenum - silicon - boron. V. N. Konev, A. F. Nesterov, I. P. Glazkova. Fiz. met. i metalloved. 16 no. 1 86-90 Jl '63

Some outside factors of the migration of molybdenum. K. M. Feodot'ev, I. A. Tereshina. Trudy IGEM no. 99:89-54 '63.

MOLYBDENUM—ANALYSIS

Determination of gases in molybdenum sheet. IU. A. Klachko, T. A. Izmanova, E. M. Chistiakova. Zav. lab. 29 no. 8:923-924 '63.

MOLYBDENUM—PHYSIOLOGICAL EFFECT

Content of molybdenum in food products and its hygienic significance. I. P. Barchenko, E. M. Malevannaia. Vrach. delo no. 6:102-103 Je '63.

MOLYBDENUM COMPOUNDS

Ion exchange separation of rhenium from molybdenum on the KU-2 cation exchanger. Report No. 1. Separation of rhenium from molybdenum in a medium of certain complex-forming acids. M. V. Darbinian, D. S. Gaibakian. Izv. AN Arm. SSR. Khim. nauki 16 no. 4:335-341 '63.

Structure of the crystals $NaNH_4[MoO_3C_2O_4]$. $2H_2O$. L. O. Atovmian, G. B. Bokii. Zhur. strukt. khim. 4 no. 4 576-583 Jl-Ag '63

MOLYBDENUM-NIOBIUM ALLOYS see Niobium-molybdenum alloys

MOLYBDENUM NITRIDE CRYSTALS

Electron diffraction examination of the superlattice compound molybdenum nitride. N. V. Troitskaia, Z. G. Pinsker. Kristallografiia 8 no. 4 548-555 Jl-Ag '63.

MONASTERIES see subdivision under Solovetskiye Islands

MONAZITE

Determination of the absolute age of monazites by the xenon method. IU. A. Shukolukov, S. L. Mirkina. Geokhimiia no. 7:690-701 Jl '63.

MONEY

(see also subdivision under Ukraine)

The law of currency circulation and the building of communism. I. Zlobin. Den. i kred. 21 no. 8:17-24 Ag '63.

MONGOLIA—INSECTS, INJURIOUS AND BENEFICIAL

Pests and diseases of plants in Mongolia. B. G. Shurovenkov. Zashch. rast. ot vred. i bol. 8 no. 7:48-50 Jl '63.

MONGOLIA—PLANT DISEASES

Pests and diseases of plants in Mongolia. B. G. Shurovenkov. Zashch. rast. ot vred. i bol. 8 no. 7:48-50 Jl '63.

MONGOLIAN STUDIES

Aleksei Vasil'evich Burdukov; role of Russian settlers in the study of Mongolia. E. M. Darevskaia. Och. po ist. rus. vostokoved. no. 8:187-217 '63.

MONOSACCHARIDES

Monosaccharides. Report No. 5. Behavior of some monosaccharide derivatives in the reaction with triphenyl phosphite iodomethylate. N. K. Kochetkov, A. I. Usov. Izv. AN SSSR Ser. khim. no. 7:1243-1253 Jl '63.

MONTMORILLONITE see subdivision under Karadag Mountain

MOON—SURFACE

Physical constitution of lunar seas and continents. V. S. Troitskii. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3 631-633 '63.

MOON—TEMPERATURE AND RADIATION

Heat flow from the moon's interior. V. D. Krotikov, V. S. Troitskii. Izv. vys. ucheb. zav., radiofiz. 6 no. 3: 633-634 '63.

Radio emission from the equatorial region of the moon in the 4-mm. band [with summary in English]. A. G. Kislikov, A. E. Salomonovich. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:431-436 '63.

MORAINES see subdivision under White Russia

MORAL EDUCATION

A book that deserves reprinting. M. A. Zhidkoblinov. Nach. shkola 31 no. 7 89-93 Jl '63.

Development of adolescent interest in socially useful work. A. P. Arkhipov. Sov. pedag. 27 no. 6:43-48 Je '63.

Inculcating patriotism in children. N. Uspenska. Doshk. vykh. 24 no. 7:7-12 Jl '63.

Let's raise the ideological and political training of students to a new level. Sov. pedag. 27 no. 6:3-11 Je '63.

School of life. V. and V. IUrkovskii. Sem'ia i shkola 18 no. 6 18-20 Je '63.

Timely and useful book. M. Anashkina, A. Nemoliaev. Nach. shkola 31 no. 10:93-95 O '63.

Training in honesty and truthfulness. L. Shyfrina. Doshk. vykh. 24 no. 9:15-19 S '63.

MORDOVIA—COMMUNITY CENTERS

There are still dependents. V. Smirnov. Komsom. zhizn' no. 13 8-9 Jl '63.

MORDOVIA—COMPOST

Manure-soil composts in the leached Chernozems of the Mordovian A. S. S. R. N. K. Korabitskii, O. P. Kuvshinova. Zemledelie 25 no. 9:67-69 S '63.

MORDVINIAN A.S.S.R. see Mordovia

MOROCCO—POLITICS AND GOVERNMENT

Morocco after the elections. IU. Rubinskii. Mir. ekon. i mezhdunar. otn. no. 6:84-87 '63.

MOROZOV, PAVEL d. 1932

Pavlik Morozov's heroic deeds. V. Gubarev. Mol. kommun no. 9:106-107 S '62.

MORPHINAN

Lemoran (Laemoranum). Nov. lek. sred. no. 2:126-150 '62.

MORPHINE—PHYSIOLOGICAL EFFECT

Effect of alkaloids of the morphine group on the evacuatory function of the stomach. M. B. Sultanov. Farm. alk no. 1:273-286 '62.

MORPHOLOGY (ANIMALS)

Kanaev, I. I. [Essays on the history of comparative anatomy before Darwin, development of the problem of the morphological type in zoology] Ocherki iz istorii sravnitel'noi anatomii do Darvina; razvitie morfologicheskogo tipa v zoologii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 297 p.

Youth of an old science; alliance between animal morphology and technology. V. M. Bel'kovich, A. V. IAblokov. Priroda 52 no. 8:26-30 Ag '63.

MORTAR

Heat release during hardening of cement mortars and concretes. TS. G. Ginzburg, L. I. Kots. Shor. trud. LIIZHT no. 192:117-136 '62.

MOSCOW—ART—EXHIBITIONS

Moscow. Vystavka proizvedenii izobrazitel'nogo iskusstva sotsialisticheskikh stran, 1958-1959. [Fine arts of the socialist countries; an exhibition] Izobrazitel'noe iskusstvo sotsialisticheskikh stran; vystavka. Al'bom sostavlen sektorom zarubezhnogo iskusstva Instituta teorii i istorii iskusstva Akademii khudozhestv SSSR. Avtory vstup. teksta i sost. razdelov al'boma: L. Aleshina i dr. Obshchaia red. IU. D. Kolli-nskogo. Moskva, Gos. izd-vo izobraz. iskus., 1960. 1 v. (chiefly illus.)
(ICU)

MOSCOW—ART GALLERIES AND MUSEUMS

Moscow. Gosudarstvennyi muzei izobrazitel'nykh iskusstv. [West European painting; an album] Zapadnoevropeiskaia zhivopis'; [al'bom]. Moskva, Gos. izd-vo izobraz. iskus., 1960. [3] 60 plates. [In Russian, French, English, and German]

MOSCOW—AUDITORIUMS

Motion-picture theater equipment of the Kremlin Palace of Congresses. G. L. Iraklii and others. Tekh. kino i telev., 6 no. 11-16 Ap '62.

MOSCOW—AUXILIARY POLICE

Voluntary policemen of our industrial plant. D. Antol'ev. Sov. iust. no. 12 20-21 Je '63.

MOSCOW—BAKERIES

Shirne, Vladimir Titatenko. Mol. kommu. no. 6:97-98 Ag '62.

MOSCOW—BEARING INDUSTRY

Generous heart. B. Uspenskii. Prof.-tekh. obr. 20 no. 8 10-11 Ag '63.

MOSCOW—BUDGET

From the practice of budget commissions. P. Ipatov. Fin. SSSR 27 no. 6 79-83 Je '63.

MOSCOW—CITY PLANNING

Planning and development of the Fili-Mazilovo District in Moscow. [U. Ul'yanitskii and others.] Iz. vys. ucheb. zav., stroi. i arkhit. 6 no. 2 121-126 '63.

MOSCOW—CLIMATE

Secular fluctuations of the continentality of the Moscow climate. L. V. Ishimenko. Izv. Vsesoiuz. geog. obs-va 95 no. 4 367-368 Jl-Ag '63.

MOSCOW—CLOTHING INDUSTRY

New factory in Moscow. I. A. Klemenetskii, T. N. Levina. Sh. prom. no. 4 32-35 Jl-Ag '63.

MOSCOW—CLOTHING INDUSTRY—QUALITY CONTROL

The clothiers of Moscow struggle for a high-quality production. M. A. Nikolaeva. Sh. prom. no. 4 4-7 Jl-Ag '63.

MOSCOW—COMMUNITY AND SCHOOL

Facing tomorrow. L. Godin. Sem'ia i shkola 18 no. 6 32-33 Je '63.

Pioneers as patrons. R. Libinson. Doshk. vosp. 36 no. 6:12-14 Je '63.

Return to the ranks. Iu. Rives. Nar. obr. no. 8:56-59 Ag '63.

MOSCOW—COMPRESSORS—TRANSMISSION DEVICES

Elastic coupling for the direct drive of refrigerator compressors. A. M. Levin. Khol. tekh. 40 no. 3:45-47 My-Je '63.

MOSCOW—CONSTRUCTION EQUIPMENT—EXHIBITIONS

Moscow exhibition of new construction equipment. Inform. biul. VDNKH no. 7:37 Jl '62.

MOSCOW—DEPARTMENT STORES

[Central Department Store] TSentral'nyi Univermag Moskva, [1958] 95 p.

MOSCOW—DESCRIPTION

Welcome to Moscow, an interview with Elena Prosvetova, Irina Kazakova. Zhen. mira no. 5:9-13 '63.

MOSCOW—DRINKING AND TRAFFIC ACCIDENTS

A lesson without profit. M. Mironov. Za bezop. dvizh. 6 no. 8:13 Ag '63.

MOSCOW—ECONOMIC RESEARCH

Research work in the Economics Faculty of the Moscow University. I. Faminskii. Vop. ekon. no. 9:150-153 S '63.

MOSCOW—ELECTRIC EQUIPMENT INDUSTRY

Origination of a collective solution. V. Bogdanovskii. NTO 5 no. 6 50-51 Je '63.

MOSCOW—ELECTRIC EQUIPMENT INDUSTRY—MANAGEMENT

Plant. Taking specialization into account. A. Borzunov. Plan. khoz. 40 no. 9:45-48 S '63.

MOSCOW—ENGINEERING GEOLOGY

Review of the book by F. V. Kotlov "Changes in the natural conditions of the Moscow area under the influence of man's activity from the point of view of engineering geology." E. V. Shantser. Razved. i okh. nedr 29 no. 7:62-63 Jl '63.

MOSCOW—EXHIBITIONS

Agriculture at the Exhibition of Achievements of the National Economy. Inform. biul. VDNKH no. 7:1-4 Jl '62.

At the Exhibition of Achievements of the National Economy of the U. S. S. R. Ogneupory 28 no. 7, 293-295 '63.

At the Industrial Exhibition of Leningrad Economic Region. Tekh. kino i telev. 5 no. 7, 61 Jl '61.

Exhibition of Achievements of the National Economy of the U. S. S. R. in 1962. Inform. biul. VDNKH no. 5:1-4 My '62.

Railroad equipment at the Exhibition of Achievements of the National Economy. E. L. Miller. Zhel. dor. transp. 45 no. 9:87-88 S '63.

Recommendations of various sections of the Committee for the Exhibition of Achievements of the National Economy. Inform. biul. VDNKH no. 7:44 Jl '62.

MOSCOW—FIRST AID IN ILLNESS AND INJURY

New organizational forms in the work of the Moscow Medical First Aid Station. L. B. Shapiro, B. B. Lebedev. Sov. zdrav. 22 no. 6 31-33 '63.

MOSCOW—FLORICULTURE

Results of experimental work conducted between 1956 and 1960 at the floricultural station of the Timiriazev Agricultural Academy. A. A. Chuvikova. Dokl. TSKHA no. 82 335-345 '61.

MOSCOW—GEOGRAPHICAL SOCIETIES

In the Moscow Branch of the Geographical Society of the U. S. S. R. Iu. V. Arist-ov. Geod. i kart. no. 6 74-78 Je '63.

MOSCOW—GLAUCOMA

Effectiveness of dispensary service for glaucoma patients according to data of a district polyclinic in Moscow [with summary in English]. T. V. Zubareva. Uch. zap. CNII glaz. bol. no. 6 194-200 '63.

MOSCOW—GUIDEBOOKS

Kovalev, A. P. [Moscow guidebook] Putevoditel' po Moskve, Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 429 p.

MOSCOW—HISTORY—SOURCES

Records on the investigation of the events of an uprising in Moscow in 1662. V. I. Buganov. Probl. istoch. no. 11:322-337 '63.

MOSCOW—HOUSING

Facing tomorrow. L. Godin. Sem'ia i shkola 18 no. 6 32-33 Je '63.

MOSCOW—INDUSTRIAL MANAGEMENT

Liberman, V. B. [Mechanization of production planning] Mekhanizatsiia proizvodstvennogo planirovaniia. Moskva, Ekonomizdat, 1963. 166 p.

MOSCOW—INFORMATION SERVICES

"Trifles? No!" Ogonek 41 no. 29:26 Jl '63.

MOSCOW—LIBRARY COOPERATION

Conference of Moscow Libraries on the Coordination of Their Activities in the Field of Reference and Bibliographical Work and in Science Bibliography. L. E. Vatsadze. Sov. bibl. no. 4, 115-117 '63.

MOSCOW—LITERARY SOCIETIES

Kuznetsov, A. I. [Literary Petrovsko-Razumovskoye, pages of a chronicle] Literaturnoe Petrovsko-Razumovskoe, stranitsy khroniki. [Moskva] Moskovskii rabochii, 1963. 102 p.

MOSCOW—MACHINE-TOOL INDUSTRY

The most important aspect of socialist competition. E. Golub'. Mol. kommu. no. 9, 67-70 S '62.

MOSCOW—MACHINE TOOLS—MAINTENANCE AND REPAIR

Benefits derived from centralizing machine-tool repairs. N. Kuziakov. Plan. khoz. 40 no. 8, 38-45 Ag '63.

MOSCOW—MACHINERY INDUSTRY WORKERS

Be proud of yourself, worker! I. Kuz'min. Mol. kommu. no. 8:15-22 Ag '63.

MOSCOW—MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING

School, plant and vocation. E. Makhotin. Sov. profsoiuz 19 no. 14:8-11 Jl '63.

MOSCOW—MATHEMATICAL SOCIETIES

Meetings of the Moscow Mathematical Society. Usp. mat. nauk 18 no. 4 205-210 Jl-Ag '63.

Summaries of papers accepted by the Moscow Mathematical Society. Usp. mat. nauk 18 no. 4:211-222 Jl-Ag '63.

MOSCOW—MOTION-PICTURE FESTIVALS

Films of the five continents. Ogonek 41 no. 29:28-29 Jl '63.

Kaleidoscope of the festival. I. Vershinina. Ogonek 41 no. 30:28-29 Jl '63.

Most beautiful, best and varied motion pictures. V. Rozen. Nov. vrem. 21 no. 31:18-20 Ag '63.

Third Moscow Motion-Picture Festival. Ogonek 41 no. 28:26-27 Jl '63.

Till we meet again! L. Osipova, N. Genina. Ogonek 41 no. 31:8 Jl '63.

MOSCOW—MUSEUMS

Moscow. Muzei A. S. Pushkina. [The A. S. Pushkin Museum in Moscow] Muzei A. S. Pushkina v Moskve, Moskva, Moskovskii rabochii 1962. 191 p. (Po muzeiam i vystavkam Moskvy i Podmoskov'ia)
(CSt)

Volodin, P. M. [The Kutuzov cottage] Kutuzovskaia izba, Izd. 2, dop. [Moskva] Moskovskii rabochii, 1962. 42 p. (Po muzeiam i vystavkam Moskvy i Podmoskov'ia)
(MH)

MOSCOW—ORIENTAL STUDIES

Establishment of the Moscow Institute of Oriental Languages, the first half of the 19th century. [A. P. Pertsiani.] Och. po ist. nauk. vostokoved. no. 6 [illegible]

MOSCOW—PAINTINGS

Moscow. Gosudarstvennyi muzei izobrazitel'nykh iskusstv. [State Museum of Fine Arts, Western European paintings] Gosudarstvennyi muzei izobrazitel'nykh iskusstv imeni A. S. Pushkina; zapadnoevropeiskaia zhivopis'. [Vstup. stat'ia M. I. Ilyina. Moskva, Gos. izd-vo izobraz. iskus., 1962.] 15 p. 16 plates.
(CtY)

MOSCOW—POLITICS AND GOVERNMENT

[Bulletin of the Moscow Executive Committee] Biul. ispol. kom. Mosk. gor. sov. no. 15 Ag '63.

MOSCOW—RESEARCH

Aid to the secretary of a party organization. The [illegible] organization of a research institute. Part. zhizn' no. 16:32-39 Ag '63.

MOSCOW—RUBBER INDUSTRY—FINANCE

Gains and profitableness of an industrial enterprise. S. Rumin. Agitator no. 17:48-51 Je '63.

MOSCOW—SOCIALIST COMPETITION

Standard bearers of the communist labor movement. V. Krestianinov. Sots. trud 8 no. 6:3-9 Je '63.

MOSCOW—STRIKES AND LOCKOUTS—TEXTILE INDUSTRY

Kabanov, P. I., and R. K. Eizman. [Morozov strike of 1885] Morozovskaia stachka 1885 goda, posobie dlia uchitelia. Moskva, Uchpedgiz, 1963. 113 p.

MOSCOW—STUDENT ACTIVITIES

Artists visit with students. Prof.-tekh. obr. 20 [illegible] Ag '63.

MOSCOW—STUDENTS

Good luck to you, friends! Nikolai Zhukov, Valentina Kasheeva, German Klaelov. Kult. i zhizn' 7 no. 18-22 '63.

MOSCOW—TELEPHONE

"Trifles? No!" Ogonek 41 no. 29:26 Jl '63.

MOSCOW—TELEPHONE DIRECTORIES

Russia (1923- U. S. S. R.) Ministerstvo sviazi. [Moscow City telephone directory] Spisok abonentov Moskovskoi gorodskoi telefonnoi seti. Moskva, Izd. Upr. Mosk. gor. telefonnoi seti.
Pt. 1. [Telephone numbers of organizations, institutions, and enterprises] Telefony organizatsii, uchrezhdenii i predpriiatii. 1962. 456 p.
(CSmaR)

MOSCOW—TELEVISION PROGRAMS

Meditation at the television set. L. Glukhovskaia. Nauka i rel. 4 no. 7 76-78 Jl '63.

MOSCOW—THEATER

Where is your Beatrice? O. Spasskii. Mol. kommu. no. 7:117-123 Jl '63.

With Brecht or against Brecht. N. Tolchenova. Ogonek 41 no. 31:28-29 Jl '63.

MOSCOW—TRACK ATHLETICS

First prize in friendship. V. Viktorov. Ogonek 41 no. 31 6-7, 26-27 Jl '63.

MOSCOW—TRAFFIC ACCIDENTS

Without steering. Iu. Lobanov. Za bezop. dvizh. 6 no. 8:11 Ag '63.

MOSCOW—TRAFFIC ENGINEERING

Better, easier, and faster. P. Rushovskii. Za bezop. dvizh. 6 no. 8:8-9 Ag '63.

MOSCOW—TRAFFIC SAFETY

Complaints and plaintiffs. D. Borodin. Za bezop. dvizh. 6 no. 8:16 Ag '63.

MOSCOW—UNIVERSITIES AND COLLEGES

Good luck to you, friends! Nikolai Zhukov, Valentina Kasheeva, German Klaelov. Kult. i zhizn' 7 no. 18-22 '63.

MOSCOW—VOCATIONAL EDUCATION

In the schools of Moscow. G. IA. Timofeeva. Shkola i proizv. 7 no. 8:26-27 Ag '63.

MOSCOW—WOMEN

Welcome to Moscow; an interview with Elena Prosvetova, Irina Kazakova. Zhen. mira no. 5:9-13 '63.

MOSCOW—WORLD WAR, 1939-1945—AERIAL OPERATIONS

Notes. A. E. Fersman. Zvezda no. 6, 148-153 Je '63.

MOSCOW—YOUTH

The children in our courtyard. V. Ivanov. Komsomol'skaia zhizn' no. 15/16, 57-59 Ag '63.

MOSCOW, BATTLE OF, 1941-1942

Luchaninov, D. V. [In the snows near Moscow] V snegakh Podmoskov'ia, dokumental'naia povest', Moskva, Gospolitizdat, 1963. 76 p. (Geroi i podvigi)

"Victory before Moscow" by K. I Bukov. Reviewed by M IA Popov. Prep. ist. v shkole 18 no 5 103-105 S-O '63.

MOSCOW PROVINCE—AGRICULTURE

Communist production needs efficient organization. I. A. Bulanov. Zemledelie 25 no. 9 10-12 S '63.

MOSCOW PROVINCE—BAKERIES

When there is no real control. A Stepanov. Fin. SSSR 37 no. 8:78-80 Ag '63.

MOSCOW PROVINCE—BIRCH

Characteristics of growing Karelian birch seedlings in nurseries of the Moscow region. A. IA. Liubavskaia. Les. khoz. 16 no 5:33-35 My '63.

MOSCOW PROVINCE—CAMPS

"Forest glades." M. Veller. Nar. obr. no. 6:83 Je '63

MOSCOW PROVINCE—CHERRY

Flowering of sour cherries as related to air temperature (with summary in English). V. A. Efimov. Izv. TSKHA no. 3:148-154 '63.

MOSCOW PROVINCE—EFFICIENCY, INDUSTRIAL

Sheina, K. P., and M. F. IAkovlev. [Taking care of the most important] V rabote o glavnom. [Moskva] Mosk. rabochii, 1963. 109 p. (V pomoshch' agitatoru i propagandistu)

MOSCOW PROVINCE—FACTORIES—DESIGN AND CONSTRUCTION

When there is no real control. A Stepanov. Fin SSSR 37 no 8:78-80 Ag '63

MOSCOW PROVINCE—FOREST NURSERIES

Characteristics of growing Karelian birch seedlings in nurseries of the Moscow region. A. IA Liubavskaia. Les. khoz. 16 no. 5 33-35 My '63.

MOSCOW PROVINCE—FRUIT CULTURE

Features of the organization and agricultural practices in orcharding in Moscow Province. V. A. Kolesnikov. Dokl. TSKHA no. 62:239-249 '61.

State of and prospects for the development of orcharding on the Klin State Farm, Moscow Province. F. V. Telezhkin. Dokl. TSKHA no. 62:263-272 '61.

MOSCOW PROVINCE—METEOROLOGY, AGRICULTURAL

Results of the experiment in mechanized working up of materials on the agroclimatic basis for the optimal harvesting time for potatoes in the Moscow region. G. Z. Ventskevich. Trudy TSIP no. 131:140-144 '63.

Weather features of 1960 in Moscow Province. S. A. Maksimov. Dokl. TSKHA no. 62 485-490 '61.

MOSCOW PROVINCE—POTATOES—HARVESTING

Results of the experiment in mechanized working up of materials on the agroclimatic basis for the optimal harvesting time for potatoes in the Moscow region. G. Z. Ventskevich Trudy TSIP no. 131:140-144 '63.

MOSCOW PROVINCE—REINFORCED CONCRETE CONSTRUCTION

Concreting thin-walled structures. M. F. Kadil'nikov. Transp. stroi. 13 no. 6:66-67 Je '63.

MOSCOW PROVINCE—SOIL MICRO-ORGANISMS

Seasonal changes in the microflora of forest soils in the vicinity of Moscow. T. P. Supiun. Nauch dokl. vys shkoly; biol. nauki no. 3:93-103 '63

MOSCOW PROVINCE—SUGGESTION SYSTEMS

Innovators' initiative and the economy. G. Podel'shchikov. Sov. profsoiuzy 19 no. 13:6-8 Jl '63.

MOSCOW PROVINCE—TRADE UNIONS

Innovators' initiative and the economy. G. Podel'shchikov. Sov. profsoiuzy 19 no. 13:6-8 Jl '63.

MOSCOW REGION—EXPRESS HIGHWAYS

Around Moscow. N. Kruzhkov. Ogonek 41 no. 31:8-9 Jl '63.

MOSCOW REGION—INDUSTRIES—EXHIBITIONS

Exhibits of the industries of the Moscow region. Inform. biul. VDNKH no. 7:5-9 Jl '62.

MOSCOW REGION—PASSERIFORMES

Food relationships of some passerines in the forests of the Moscow region [with summary in English]. A. A. Inozemtsev. Vest. LGU 18 no. 15 152-155 '63.

MOSCOW REGION—SCHOOL EXCURSIONS

Comprehensive physico-geographic excursions with seventh-grade students. G. V. Svistova. Uch. zap. MGPI no. 159:12-16 '60.

MOSOLOV, VASILII PETROVICH, 1888-1951

Vasilii Petrovich Mosolov; on the 75th anniversary of his birthday. G. A. Cheremisinov. Zemledelie 25 no. 9:86-89 S '63.

MOSQUITOES

Ecologic regulation of the seasonal cycle in Anopheles bifurcatus L. (Diptera, Culicidae) E. B. Vinogradova. Dokl. AN SSSR 151 no. 5 1204-1206 Ag '63.

MOSQUITOES—EXTERMINATION see subdivision under Kazakhstan

MOSSES—RESEARCH see subdivision under Rumania

MOTHERS

Our mother is 37 years old O. Tereshchenko Ukraina no 10:15 Ag '63

MOTHS—EXTERMINATION
(see also subdivision under Kirghizistan)

Using chlorophos in orchards A. S. Dorfmareva, V. S. Shelestova Zashch. rast. ot vred. i bol. 8 no 7 25 Jl '63

MOTION

Equations describing the motion of a heavy solid body with a fixed point. P. V. Kharlamov. Prikl. mat. i mekh. 27 no. 4:703-707 Jl-Ag '63.

Motion, what is it? L. Landau, A. Kitaigorodskii. Tekh. mol. 30 no 11 3-4 '62.

Principle of the classification of the forms of motion A. A Talkachov. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no 2:5-15 '63.

A sufficient condition of the stability of motion in a finite interval of time V P. Rudakov Dokl AN BSSR 6 no 12 757-759 D '62

MOTION-PICTURE CAMERAS
(see also subdivision under France)

Improved 16-SP motion-picture camera. V. P. Kontarev. Tekh. kino i telev. 7 no. 6:68-69 Je '63.

Improving the film gate and light shields of the film magazines for the "Konvas Avtomat" motion-picture camera. Tekh. kino i telev. 7 no 8:68-69 Ag '63

Optical dissolve indicator for the "Rodina" motion-picture camera. S. V. Evzerov. Tekh. kino i telev. 5 no. 7:69-70 Jl '61.

Synchronizing and velocity control circuits for mirror-scanning motion-picture cameras A M Andreev, A. A. Bolotov, A. A. Lukashev. Prib. i tekh. eksp 8 no. 3:136-139 My-Je '63.

MOTION-PICTURE CRITICISM

Motion pictures and real life. N. Tolchenova. Kommunist 40 no 14 94-101 O '63

MOTION-PICTURE FESTIVALS see subdivision under Moscow

MOTION-PICTURE INDUSTRY see subdivision under Ukraine

MOTION-PICTURE PHOTOGRAPHY

Depth of definition of lenses and new systems of motion-picture photography. A. A. Lapauri. Tekh. kino i telev. 5 no. 7:10-20 Jl '61.

MOTION-PICTURE PHOTOGRAPHY—BIBLIOGRAPHY see Bibliography—Motion-picture photography

MOTION-PICTURE PHOTOGRAPHY—EXPOSURE

Exposure meter calculations in motion-picture photography. F. S. Piatnitskii. Tekh. kino i telev. 5 no. 7: 71-76 Jl '61.

Investigating the relation between the sensitometric characteristics of negative films and the exposure testing data of the filming process [with summary in English on p. 96] E. D. Katsenelenbogen. Tekh. kino i telev. 7 no. 6:19-26 Je '63.

MOTION-PICTURE PHOTOGRAPHY—FILMS

Evaluating the optical density of the black-and-white image in the process of film duplication [with summary in English on p. 96]. L. P. Krylov Tekh. kino i telev 7 no. 8:7-11 Ag '63.

MOTION-PICTURE PHOTOGRAPHY—FILMS—BIBLIOGRAPHY see Bibliography—Motion-picture photography—Films

MOTION-PICTURE PHOTOGRAPHY—LIGHTING

Use of low-voltage mirror lamps for operator's luminaries in the filming of feature motion pictures [with summary in English on p. 96]. IA. L. Butovskii, L. F. Litvinova. Tekh. kino i telev. 7 no. 6:29-34 Je '63.

MOTION-PICTURE PHOTOGRAPHY, HIGH SPEED

High-speed motion-picture photography in investigating processes and equipment for forging and die stamping. IU. A. Miropol'skii, N. S. Variamov. Kuz.-shtam. proizv. 5 no. 5:43-47 My '63.

MOTION-PICTURE PHOTOGRAPHY, HIGH-SPEED—EXPOSURE

Efficient exposure time for high-speed motion-picture cameras. G. I. Belinskaia. Zhur. nauch. i prikl. fot. i kin. 8 no. 5:370-374 S-O '63.

MOTION-PICTURE PHOTOGRAPHY, MEDICAL

Use of the electron optical transformer and X-ray cinematography in diseases of the heart, and major and peripheral vessels; methodology and technique of examination [with summary in English]. B. V. Petrovskii, I. Kh. Rabkin. Vest. rent. i rad. 38 no. 2:3-9 Mr-Ap '63.

MOTION-PICTURE PHOTOGRAPHY, SUBMARINE—EQUIPMENT AND SUPPLIES

Equipment for underwater motion-picture photography. A. Lebedev, B. Timofeev. Tekh. kino i telev 6 no 4. 26-33 Ap '62.

MOTION-PICTURE PLAYS

Motion pictures and real life. N. Tolchenova Kommunist 40 no. 11 94-101 O '63

New motion pictures. R. Kaplia. Rab. i sial. 39 no. 6: 14-15 Je '63.

New motion pictures. R. Kaplia. Rab. i sial. 39 no. 8 16-17 Ag '63

Prosaic and poetic motion pictures of today. M. Turovskaia. Nov. mir 38 no. 9:239-255 S '62.

MOTION-PICTURE PROJECTION

Generalized criterion for image quality evaluation. S. I. Katnev, L. I. Khromov. Tekh. kino i telev 6 no 1 17-18 Ap '62

MOTION-PICTURE PROJECTION—BIBLIOGRAPHY see Bibliography—Motion-picture projection

MOTION-PICTURE PROJECTORS

Device "Ob'ektiv-K" for the automation of motion-picture projection [with summary in English on p. 96]. V. P. Mun'kin. Tekh. kino i telev. 7 no. 6:77-80 Je '63.

Mirror filament lamps for motion-picture projectors G. A. Golostenov, IU. V. Libin. Tekh. kino i telev. 6 no. 4 60-62 Ap '62

Motion-picture projector "Luch-2" for 8 mm films. V. D. Korovkin. Tekh. kino i telev. 7 no. 6:74-76 Je '63.

New motion-picture projector with optical compensation for television broadcasting of color films A. N. Tarasov. Tekh. kino i telev. 5 no 7 13-50 Jl '61.

Remotely controlled turning of the mirror of the optical commutator. A. Vykhodets. Tekh. kino i telev 6 no. 4:68-69 Ap '62

MOTION-PICTURE STUDIOS

Preparing to welcome the 22d Congress of the CPSU with appropriate achievements. Tekh kino i telev. 5 no. 7 1-2 Jl '61.

Some research work of the "Lenfilm" motion-picture studio. I. N Aleksander. Tekh. kino i telev 5 no. 7: 55-60 Jl '61.

MOTION-PICTURE THEATERS
(see also subdivision under Ukraine)

New motion-picture theaters. Tekh. kino i telev. 7 no. 6:91 Je '63.

MOTION-PICTURE THEATERS—DESIGN AND CONSTRUCTION see subdivision under Czechoslovakia

MOTION-PICTURE THEATERS—EQUIPMENT AND SUPPLIES

Motion-picture theater equipment of the Kremlin Palace of Congresses G. L. Iraskii and others. Tekh. kino i telev. 6 no. 4:1-16 Ap '62.

MOTION PICTURES
(see also subdivision under United States, Uzbekistan)

Development of the scientific and technical base of cinematography, in connection with the plenum of the Central Committee of the CPSU. Tekh. kino i telev. 7 no. 6:93-94 Je '63.

Ginzburg, S. S. [Motion pictures of prerevolutionary Russia] Kinematografiia dorevoliutsionnoi Rossii Moskva, Izd-vo "Iskusstvo," 1963 404 p illus

Scientific and technical conference in Leningrad. Tekh kino i telev. 7 no. 8:92-94 Ag '63.

Ways of improving the scientific and technical information. A. Razumovskii. Tekh kino i telev. 6 no. 4 63 Ap '62.

MOTION PICTURES—ABSTRACTS

Abstracts section. Tekh. kino i telev. 7 no. 6:91-90 Je '63.

Abstracts section. Tekh. kino i telev 7 no. 8:79-91 Ag '63.

MOTION PICTURES—CONGRESSES

Vsesoiuznaia tvorcheskaia konferentsiia rabotnikov kinematografii, Moscow, 1958. [Verbatim report of the All-Union Conference of Motion-Picture Workers] Stenograficheskii otchet. Moskva, Iskusstvo, 1959. 396 p. (OrU)

MOTION PICTURES—DISTRIBUTION

Conference-seminar of specialists in motion-picture services and distribution. Tekh. kino i telev. 6 no. 4. 94-95 Ap '62.

MOTION PICTURES—EQUIPMENT AND SUPPLIES see subdivision under Ukraine

MOTION PICTURES—LIGHTING

Small-size flood lights for filming. IU. S. Moskalenko. Tekh. kino i telev. 7 no. 8:73 Ag '63.

MOTION PICTURES—PLOT, THEMES, ETC.

For whom the "Eclipse" shines? G. Konstantinov. Mol. komm. no. 8:122-126 Ag '63.

MOTION PICTURES—PRODUCTION AND DIRECTION
Fidelity. Tykhin Medvedilev. Ukraina no. 15 9 Jl '63.

MOTION PICTURES—SETTING AND SCENERY
Standardization of the dimensions of studio stage sets and of their basic structural elements Tekh kino i telev 6 no 1 56-58 Ap '62

MOTION PICTURES, ANTIRELIGIOUS
To follow the right path is difficult. IU. Martinenko. Nauka i rel 4 no 7-91-93 Jl '63.

MOTION PICTURES, DOCUMENTARY
(see also subdivision under Germany, East)
The documentary film. Wolfgang Kernicke. Zhen. mira no. 4:6-7 '63.
They will talk. I. Sukharevskii Nar. obr no 6-87 Je '63.

MOTION PICTURES, FRENCH
The war of buttons; a motion picture produced by Yves Robert. Rachel Lefort. Zhen. mira no 5:14-15 '63.

MOTION PICTURES, THREE-DIMENSIONAL
Reproduction of spatial correlations in stereoscopic cinematography [with summary in English on p. 96] V. S. Shchelochikhin. Tekh kino i telev 7 no 6:41-49 Ag '63.

MOTION PICTURES IN COMMUNIST EDUCATION
Nothing can compare with motion pictures! I. Rachuk. Sov. profsoiuzy 19 no. 13:34-35 Jl '63.

MOTION PICTURES IN EDUCATION
Educational motion pictures on history M. I Belen'kii. Prep ist. v shkole 18 no 5,96-100 S-O '63.
Remarkable means. A. Mozhaeva. Nar. obr. no. 8-81-82 Ag '63.

MOTION PICTURES IN SCIENCE
Use of motion-picture photography in studying the mechanism of boiling involving intense heat flows N. N Mamontova. PMTF no 3:135-137 My-Je '63
Use of the method of filming the etching process in studying the behavior of dislocations in NaCl crystals V. M Stepanova. Kristallografiia 8 no. 4 682-684 Jl-Ag '63

MOTION SICKNESS
Current views on the genesis of motion sickness. G L Komendantov, V. I. Kopanev Vest. otorin no. 1 18-23 '63.

MOTOR VEHICLES
Mailbox of the public reception room of "Za rulem." Za rul. 21 no. 5:24 My '63.
Nesvitskii, IA. I. [Service life of a motor vehicle] Dolgovechnost' avtomobilia. Moskva, Avtotransizdat, 1963. 43 p. (Nauchno-populiarnaia biblioteka avtomobilista)
Using electronic digital computers in analyzing traction properties of a motor vehicle. A. N. Akhmedov. Avt. prom. 29 no. 8:23-26 S '63.

MOTOR VEHICLES—BRAKES
Improving a braking system with pneumatic driving. V. V. Lubushkin, V. G. Rozanov. Avt. prom. 29 no. 9: 26-28 S '63.

MOTOR VEHICLES—DYNAMICS
Analyzing motion steadiness in designing motor vehicles. D. A. Antonov. Avt. prom. 29 no. 9:18-23 S '63.

MOTOR VEHICLES—ENGINES
Comparison of fuel efficiency of motor-vehicle engines by testing results. E. N. Zaichenko, B. I. Kapralov. Avt. prom. 29 no. 9:9-10 S '63.
Tupitsyn, P. S. [Checking the technical condition of the cylinder-piston group and valves of motor-vehicle engines without dismantling] Kontrol' tekhnicheskogo sostoianiia tsilindro-porshnevoi gruppy i klapanov avtomobil'nykh dvigatelei bez razborki. Moskva, Avtotransizdat, 1963. 25 p.

MOTOR VEHICLES—EQUIPMENT AND SUPPLIES
Odometer with a variable recording scale. N. M. Sergeev, P. I. Taranenko. Avt. prom. 29 no. 9:32-33 S '63.
Regulator of body position for air springs. A. M. Gorelik, A. A. Beranov. Avt. prom. 29 no. 9:44-45 S '63.

MOTOR VEHICLES—FUEL SYSTEMS
Rubets, D. A., and O. K. Shukhov. [Fuel systems of motor-vehicle carburetor engines; their design, maintenance, and adjustment] Sistemy pitaniia avtomobil'nykh karburatornykh dvigatelei, ustroistvo, tekhnicheskoe obsluzhivanie i regulirovka. Pod obshchei red. D. A. Rubtsa. Moskva, Avtotransizdat, 1963. 332 p.

MOTOR VEHICLES—SOCIETIES, ETC. see subdivision under Mogilev

MOTOR VEHICLES—SPRINGS
Calculating rubber-cord elastic elements of an air-spring suspension of motor vehicles. B. L. Bukhin. Avt. prom. 29 no. 9:15-17 S '63.

MOTOR VEHICLES—TECHNOLOGICAL INNOVATIONS
News of foreign engineering. Za rul. 21 no. 5:31 My '63.
Readers suggest. Za rul. 21 no. 5:22 My '63.

MOTOR VEHICLES—TOURING
From Moscow to Volgograd. L. Khmelevskii. Za rul. 21 no. 5:30 My '63.

MOTOR VEHICLES—WHEELS
Balancing motor vehicle wheels. A. Tenlatov. Za rul. 21 no. 5:20-21 My '63.
Design of the turning of steerable wheels at various positions of the motor-vehicle suspension. G. M. Bagrov. Avt. prom. 29 no. 9:11-13 S '63.

MOTORBOATS
Glider vessels made of glass cement. K. L. Biriukovich, IU. L. Biriukovich. Sudostroenie 29 no. 7:44-47 Jl '63.

MOTORBUS LINES see subdivision under Vinnitsa

MOTORBUSES see subdivision under Czechoslovakia

MOTORBUSES—CATALOGS
TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [Catalog-handbook "Motor vehicles of the U. S. S. R."] Katalog-spravochnik "Avtomobili SSSR." Moskva
Pt. 1. [Motortrucks and motorbuses] Avtomobili i avtobusy. 1963. 137 p

MOTORCYCLE RACING
(see also subdivision under Tallinn)
The main thing is mass participation. V. B. Sysoev. Za rul. 21 no. 5:2-4 My '63.

MOTORCYCLES
Are you driving a motorcycle well? V. Afokatenko, F. Mamaev. Za rul. 21 no. 5:23 My '63.
What handbooks do not say. V. Abramilin, V. Rozhnov. Za rul. 21 no. 5:16-19 My '63.

MOTORTRUCKS
Improving the roadability of motortrucks. V. Kozlov. Tekh. v sel'khoz. 23 no 5 54-56 My '63.
New developments in the field of science and technology. Belarus' 20 no. 5:31 My '63.

MOTORTRUCKS—CATALOGS
TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [Catalog-handbook "Motor vehicles of the U. S. S. R."] Katalog-spravochnik "Avtomobili SSSR." Moskva.
Pt. 1. [Motortrucks and motorbuses] Avtomobili i avtobusy. 1963 137 p.

MOTORTRUCKS—DESIGN AND CONSTRUCTION
Ipatov, M. I. [Technical and economic evaluation of motor-vehicle elements in designing, motortrucks] Tekhniko-ekonomicheskaia otsenka konstruktsii avtomobilei pri proektirovanii gruzovye avtomobili. Moskva, Mashgiz, 1963 186 p.

MOTORTRUCKS—MAINTENANCE AND REPAIR
Inber, F. I. [Characteristics of the design and maintenance of ZIL-157K and ZIL-164A motortrucks] Osobennosti v konstruktsii i obsluzhivanii avtomobilei ZIL-157K i ZIL-164A. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1963 19 p.
Reconditioning crank bearings of engines. IU. Lopoian, M. Sushkevich Tekh. v sel'khoz. 23 no. 5.65-67 My '63.

MOTORTRUCKS—TIRES
Arch tires for trucks. F. Inber, P. Skachkov. Tekh. v sel'khoz. 23 no. 5:56-58 My '63.

MOTYZHIN—ORTHODOX EASTERN CHURCH—CLERGY
Along the Zhitomir road. A. Shamaro. Nauka i rel. 4 no. 7:9-17 Jl '63.

MOUNTAIN PARSLEY
Biology of mountain parsley (Peucedanum oreoselium (L.) Moench) I. G. Zoz Bot. zhur 48 no. 7 1001-1004 Jl '63.

MOUNTAIN WARFARE
Siniaev, A. D. [Reconnaissance in a mountainous terrain] Razvedka v gornoi mestnosti. Moskva, Voenizdat, 1963. 106 p.

MOUNTAINEERING see subdivision under Uzbekistan

MOUSE DEER, FOSSIL see subdivision under Kiik-Kerish Mount

MOVING OF BUILDINGS, BRIDGES, ETC. see subdivision under Poland

MOWING MACHINES
Barii, A. V., and V. A. Meshcheriakov. [Wide-range reaping units] Shirokozakhvatnye zhatvennye agregaty. Moskva, Sel'khozizdat, 1963, 190 p.

MUD VOLCANOES—CLASSIFICATION
More about the classification of mud volcanoes. M. I. Subbota. Sov. geol. 6 no. 8:98-100 Ag '63.

MUGODZHAR HILLS—GAS, NATURAL—GEOLOGY
Avrov, P. IA., and L. G. Kosmacheva. [Geology, and oil and gas potentials of the Ural Mountain region of Aktyubinsk Province and in the western part of the Mugodzhar Hills region] Geologicheskoe stroenie i perspektivy neftegazonosnosti Aktiubinskogo Priural'ia i Zapadnogo Primugodzhar'ia. Alma-Ata, Izd-vo AN KazSSR, 1963. 162 p.

MUGODZHAR HILLS—GEOLOGY, STRUCTURAL
Some characteristics of the development of Paleozoic igneous activity in the Mugodzhar Hills B. E. Miletskii Izv AN Kazakh SSR Ser geol. nauk no 1 25-32 '63.

MUGODZHAR HILLS—PETROLEUM GEOLOGY
Avrov, P. IA., and L. G. Kosmacheva [Geology, and oil and gas potentials of the Ural Mountain region of Aktyubinsk Province and in the western part of the Mugodzhar Hills region] Geologicheskoe stroenie i perspektivy neftegazonosnosti Aktiubinskogo Priural'ia i Zapadnogo Primugodzhar'ia Alma-Ata, Izd-vo AN KazSSR, 1963. 162 p.

MUNAK DISTRICT—FISHERMEN
Contribution of the Aral Sea fishermen T Tazhimuratov Part zhizn' [Uzb.] 6 no 7 60-63 Jl '63.

MULCHING
Depth for placing mulch strip paper in sowing carrots with the SRL-2 sowing machine. V. P. Kochetkov. Biul. TSKHA no. 62:385-402 '61.

MUNICIPAL SERVICES see subdivision under Ukraine, Western

MUNICIPAL SERVICES—ACCOUNTING
Barmin, V. V. [Analysis of managerial operations of municipal enterprises] Analiz khoziaistvennoi deiatel'nosti kommunal'nykh predpriiatii. Moskva, Gosfinizdat, 1963. 74 p. (V pomoshch' finansovomu rabotniku)

MUNITIONS see subdivision under Germany, West

MURAL PAINTING AND DECORATION see subdivision under Khiva

MURAV'EV-APOSTOL, SERGEI IVANOVICH, 1796-1826
"Sergei Ivanovich Murav'ev-Apostol" by L. O. Medvedskaia, M. M Lysenko. Ukr. ist. zhur. 6 no. 3.141-142 My-Je '63.

MURDER
Decision No 9 of the plenary session of the Supreme Court of the U. S. S. R. of July 3, 1963 "Some problems of judicial practice in premeditated murder cases" Biul. Verkh. Suda no. 4:20-23 '63.
"Innocent" start and tragic finish. IU. Feofanov. Mol komm. no. 7:93-96 Jl '63.

MURGAB VALLEY—FLESH FLIES
A new species of the genus Efflatounomyia Rohd. from Turkmenistan (Diptera, Sarcophagidae). D. M. Cherykulev. Izv. AN Turk. SSR, Ser. biol. nauk no. 4:88-89 '63.

MURGAB VALLEY—WASPS
Ecologic distribution of burrowing wasps(Hymenoptera, Sphecidae) in the lower Murgab Valley. S. N. Miarteeva. Izv. AN Turk. SSR. Ser. biol. nauk no. 4:56-63 '63.

MURMANSK—COMMUNIST YOUTH LEAGUE
Red percepts. V. Stetin. Mol. komm. no. 9:21-27 S '62.

MURMANSK—MEDICAL PERSONNEL
Work of a provincial hospital promoting the specialization of therapeutists. O. A. Kuvaldina. Zdrav. Ros. Feder. 7 no. 7:29-30 Jl '63.

MURMANSK PROVINCE—PLANT INTRODUCTION
Characteristics of the growth and development of Central Asiatic annual plants under subarctic conditions. G. N. Andreev. Izv. AN Turk. SSR. Ser. biol. nauk no. 4:36-41 '63.

MUSCLE
Comparative action of galanthamine hydrobromide and hydroxymethylate on neuromuscular conduction. Sh S. Umarova, I. K Kamilov, N. P Polievtsev. Farm. alk no 1 184-189 '62.
Effect of derivatives of vincanine on neuromuscular conduction A. A. Vakhabov, M. B. Sultanov Farm. alk. no 1-133-137 '62.

MUSCLES
Pessimal contraction of muscle and fatigue. V. G. Tevzadze. Sbor. trud. Gruz. gos. inst. fiz. kul't. 5:317-320 '62.
Regeneration of the nonstriated muscle of the stomach of a pigeon. V. M. Gorbunov. Dokl. AN SSSR 152 no. 1: 238-240 S '63.

MUSCLES—DISEASES
Congenital case of Oppenheim's myotonia. M. I. Ishchenko. Vrach. delo no. 8:145-146 Ag '63.

MUSCLES—INNERVATION
Restoration of the neuromuscular connections and contractile activity during the autotransplantation of preliminarily denervated intact muscle. N. N. Bosova. Dokl. AN SSSR 152 no. 1:235-237 S '63.

MUSCLES—RADIOGRAPHY
X-ray diagnosis of intramuscular lipomas. Z. I. Mitikhina. Vest. rent. i rad. 38 no. 2:64 Mr-Ap '63.

MUSCLES—TRANSPLANTATION

Restoration of the neuromuscular connections and contractile activity during the autotransplantation of preliminarily denervated intact muscle. N. N. Bosova. Dokl. AN SSSR 152 no. 1 235-237 S '63.

MUSCLES—TUMORS

X-ray diagnosis of intramuscular lipomas. Z. I. Mitikhina. Vest. rent. i rad. 38 no. 2 64 Mr-Ap '63.

MUSCULOSKELETAL SYSTEM

Study of the muscle system in connection with physical education. Nguyen Van Le. Biol. v shkole no. 1 23-26 Ja-Ag '63.

MUSEUMS see subdivision under Moscow, see also 'Art galleries and museums' under Moscow

MUSHROOMS

Excursion on the study of pileate mushrooms. V. N. Fedotovskii. Biol. v shkole no. 1 65-67 Ja-Ag '63.

Vasil'kov, B. P. [Edible and poisonous mushrooms] S"edobnye i nedovitye griby. [Leningrad] Lenizdat, 1963. 44 p.

MUSIC, SLAVIC —HISTORY AND CRITICISM

Belza, I. F. [About Slavic music; selected works] O slavianskoi muzyke, izbrannye raboty. Moskva, Sovetskii kompozitor, 1963. 163 p.

MUSTARD—THERAPEUTIC USE

Effect of irritation of the cutaneous receptors by mustard plasters on the adrenergic and cholinergic properties of the blood. A. A. Kolpakov. Vrach. delo no. 8:119-120 Ag '63.

MUTUAL ECONOMIC ASSISTANCE COUNCIL

Activities of the Mutual Economic Assistance Council. Nov. vrem. 21 no. 31:39-40 Ag '63.

Current problems of economic cooperation among the members of the Mutual Economic Assistance Council. B. Miroshnichenko. Vop. ekon. no. 9:16-28 S '63.

Economic cooperation and the mutual aid of socialist countries. Vop. ekon. no. 8:12-26 Ag '63.

Financial planning in the industry of the members of the Mutual Economic Assistance Council. I. Guzhkov, N. Masal'skaia, S. Riumin. Fin. SSSR 37 no. 8:30-37 Ag '63.

Fraternal cooperation augments the forces of socialism. V. Kirsanov. Part. zhizn' no. 17:8-14 S '63.

Fruitful cooperation. Ogonek 41 no. 29:2-3 Jl '63.

How the CPSU struggled for the consolidation and development of friendly cooperation among socialist countries, 1956-1961. D. S. Berg. Uch. zap. kaf. obshchestv. nauk vuz. g. Len., Ist. KPSS no. 4 177-203 '63.

In the branch of the academic institute staffed with volunteers. M. Bulash. Vop. ekon. no. 9:156-157 S '63.

"International law forms of the cooperation of socialist countries." V. I. Morozov. Sov. gos. i pravo 33 no. 9:152-154 S '63.

Man extends the limits of the possible. I. Trofimova. Nov. vrem. 21 no. 31:6-8 Ag '63.

Poland and the Mutual Economic Assistance Council. Artur Bednar. Nov. vrem. 21 no. 35:14-15 Ag '63.

The Rumanian national economic complex is a composite part of the world socialist economy. M. Petrescu. Plan. khoz. 40 no. 9:79-84 S '63.

Several forms of cooperation among members of the Mutual Economic Assistance Council and prospects for developing them. Sh. Aush. Plan. khoz. 40 no. 8:72-78 Ag '63.

MYCOBACTERIUM TUBERCULOSIS

Comparative evaluation of the determination of the drug sensitivity of Mycobacterium tuberculosis by direct sputum culture on Helsberg's medium and by microculture. M. IA. Borina. Probl. tub. no. 8:80-83 '62.

Comparative study of some elective culture media. A. P. Baturo. Probl. tub. 41 no. 3 84-85 '63.

Drug resistance of Mycobacterium tuberculosis in cycloserine treatment of pulmonary tuberculosis [with summary in French]. E. S. Stepanian, V. V. Sergeev. Probl. tub. no. 8:84-87 '62.

Role of tissular proteases in the formation of highly effective products decomposing Mycobacterium tuberculosis [with summary in French]. A. I. Kartashev. Probl. tub. no. 9:92-94 '62.

MYSORE—POLITICS AND GOVERNMENT

Some data on the governmental system of the Mysore Principality during the last stage of the fight against the British colonizers, end of the 18th century. A. Kasymov. Nauch. rab. i soob. Otd. obshchestv. nauk AN Uz. SSR 5:247-254 '62.

MYTISHCHI—MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING

Our pride and honor. N. Shchekaturov. Sov. profsoiuzy 19 no. 14:6-7 Jl '63.

MYTISHCHI DISTRICT—TRACE ELEMENTS

Distribution of dispersed chemical elements between the soil forming rocks, soil, and vegetation in the Moscow region. V. V. Dobrovol'skii. Nauch. dokl. vys. shkoly; biol. nauki no. 3:193-198 '63.

NAGOL'NYY RIDGE—MINERALS

Some features of the distribution of cinnabar and native elements in loose sediments of the Nagol'nyy Ridge. A. G. Dvornikov and others. Dokl. AN SSSR 151 no. 5:1189-1192 Ag '63.

NAMANGAN—RAILROADS—EMPLOYEES

The train arrived in Namangan. A. Nikolaev. Uzbekistan 22 no. 8 22 Ag '63.

NAMES, GEOGRAPHICAL

(see also subdivision under Vasyugan Valley, Yakutia)

Let's talk about language. Sem'ia i shkola 18 no. 6 43 Je '63.

NANTERRE, FRANCE—POLITICS AND GOVERNMENT

Second youth of Nanterre. G. Dadlants. Ogonek 11 no. 29:23-24 Jl '63.

NANTERRE, FRANCE—SOCIAL CONDITIONS

Second youth of Nanterre. G. Dadlants. Ogonek 11 no. 29:23-24 Jl '63.

NAPHTHACENE CRYSTALS

Crystal structure of 5, 6-dichloro-11, 12-diphenylnaphthacene. R. L. Avoian, A. I. Kitaigorodskii, IU. T. Struchkov. Zhur. strukt. khim. 4 no. 1 633-636 Jl-Ag '63.

NAPHTHALENE

Calculation of the conformation of some derivatives of naphthalene. V. G. Dashevskii. Zhur. strukt. khim. 4 no. 4:637-640 Jl-Ag '63.

Catalytic dehydrocyclization of 2-n-octylnaphthalene. N. I. Shuikin and others. Izv. AN SSSR, Ser. khim. no. 8:1469-1474 Ag '63.

Dehydrocyclization of 2-amylnaphthalenes in the presence of alumina-chromia catalysts and platinized carbon. N. I. Shuikin, IAn Ai-sil[Yang Ai-hsi], L. A. Erivanskaia. Izv. AN SSSR, Ser. khim. no. 7:1284-1289 Jl '63.

Equilibrium of liquid phases in the system 2-N-methylpyrrolidone (aqueous solution) - isopentane - vinylnaphthalene - ethylnaphthalene (separation of vinylnaphthalene and ethylnaphthalene by fractional extraction). Kh. A. Aronovich, A. F. Frolov, A. B. Kondakova. Neftekhimiia 3 no. 3 413-416 My-Je '63.

Regeneration of spent acids and neutralization of acid in a naphthalene plant. N. A. Kononov, A. A. Semenova, F. F. Grund. Koks i khim. no. 9 51 '63.

Solubility of hydrocarbons of the naphthalene series in water. A. N. Guseva, E. I. Parnov. Vest. Mosk. un. Ser. 2 Khim. 18 no. 4 60-62 Jl-Ag '63.

Universal drum type crystallizer for the crystallization of the naphthalene fraction in a thin layer. B. A. Buriak. Koks i khim. no. 8 44-46 '63.

NAPHTHALENE—SPECTRA

Excitation of triplet states of naphthalene and benzene molecules by fast electrons. M. V. Alfimov and others. Izv. AN SSSR, Ser. khim. no. 8:1525 Ag '63.

NAPHTHALENE CRYSTALS

Effect of infrared radiation on the electret state in naphthalene. F. I. Polovikov. Fiz. tver. tela 5 no. 7:1030-1032 Jl '63.

NAPHTHALENE CRYSTALS—SPECTRA

Some quantitative regularities of the Rashba effect in impurity crystals. E. F. Sheka. Fiz. tver. tela 5 no. 8:2361-2364 Ag '63.

NAPHTHALENEDICARBOXYLIC ACID

Synthesis of some amides and imides of naphthalic acid. G. V. Kulik. Ukr. khim. zhur. 29 no. 5:521-523 '63.

NAPHTHALENEDIOL

Heterochain polyesters. Part 42: Mixed polyarylates based on isomeric dihydroxynaphthalenes [with summary in English]. M. A. Iskenderov and others. Vysokom. soed. 5 no. 6:799-804 Je '63.

NAPHTHALENEDIONE

Synthesis of estrone derivatives based on 1-vinyl-1, 2, 3, 4-tetrahydro-1, 6-naphthalenedione. A. V. Zakharychev and others. Izv. AN SSSR, Ser. khim. no. 8:1701 S '63.

NAPHTHALIMIDE

Synthesis of some amides and imides of naphthalic acid. G. V. Kulik. Ukr. khim. zhur. 29 no. 5:521-523 '63.

NAPHTHYLAMINE

Structure of α-benzolazo-(anisal-α'-naphthylamine) in a vitrified liquid crystalline state. I. G. Chistiakov, B. K. Vainshtein. Kristallografiia 8 no. 4:570-577 Jl-Ag '63.

NARCOTICS

Antagonism between ervinin and some soporifics. T. Saidkasymov, M. B. Sultanov. Farm. alk. no. 1:70-73 '62.

Antagonism between the alkaloid remorine and some soporifics. S. F. Fakhrutdinov, I. K. Kamilov. Farm. alk. no. 1:14-18 '62.

Comparative activity of dubinidine hydrochloride and hydrobromide in synergism with soporifics and narcotics. N. P. Polievtsev, I. K. Kamilov. Farm. alk. no. 1:150-154 '62.

Sedative soporific and narcotic actions of the alkaloid haplophylidine. M. A. Magrupova, I. K. Kamilov, N. P. Polievtsev. Farm. alk. no. 1:155-159 '62.

Synergetic action of the alkaloid haplophylidine in combination with soporifics and narcotics. M. A. Magrupova, I. K. Kamilov, N. P. Polievtsev. Farm. alk. no. 1:160-168 '62.

NARO-FOMINSK—SIEGE, 1941

Luchaninov, D. V. [In the snows near Moscow] V snegakh Podmoskov'ia, dokumental'naia povest'. Moskva, Gospolitizdat, 1963. 76 p. (Geroi i podvigi)

NASOPHARYNX—CANCER

Multiple lesions of the cerebrocranial nerves in malignant tumors of the nasopharynx in children. B. I. Dunaevskaia. Vest. otorin. no. 1 95-97 '63.

NATIONAL PARKS AND RESERVES

Scientific work in preserves. A. G. Bannikov. Priroda 52 no. 8:98-99 Ag '63.

NATIONAL SOCIALISM see subdivision under Germany, West

NATIONALITIES

The CPSU is the party of the whole Soviet nation. F. Gorovskii. Kommun. Ukr. 18 no. 6:50-56 Je '63.

Fraternal cooperation of the Soviet peoples in the establishment of the economic and technical foundation of communism. IU. P. Gel. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Ist. KPSS no. 4:108-134 '63.

Triumph of the great ideas of communism. T. Zhangel'din, A. Baishin. Part. zhizn' Kazakh. 33 no. 7 55-59 Jl '63.

Two books on V. I. Lenin's nationalities policy in the period of the early history of the Russian Social Democratic Party and during the first Russian revolution. Z. V. Stepanov. Vop. ist. 38 no. 7:132-135 Jl '63.

NATURAL GAS see Gas, Natural

NATURAL HISTORY

"Little hero." V. Chornyi. Doshk. vykh. 24 no. 6:42-43 Je '63.

"On the path of legends" by I. I. Akimushkin. Reviewed by N. G. Nikulina. Biol. v shkole no. 4:92-94 Jl-Ag '63.

NATURAL HISTORY—BIBLIOGRAPHY see Bibliography—Natural history

NATURAL HISTORY MUSEUMS see subdivision under Uzbekistan

NATURAL RESOURCES see subdivision under Klenovaya, Mount (Mal'. A.S.S.R.)

NATURAL SELECTION

Data on natural selection in the populations of red bartsia (Odontites serotina Dum.) [with summary in English]. V. M. Shmidt. Bot. zhur. 48 no. 7 980-1000 Jl '63.

NATURE STUDY

(see also subdivision under Khabarovsk Territory)

Calendar of nature and work. A. A. Parshina. Nach. shkola 31 no. 7 36-41 Jl '63.

Calendar of nature and work. V. A. Sitenov. Nach. shkola 31 no. 7 35-36 Jl '63.

In the Vasil'evshchina school. I. P. Belokurov. Nach. shkola 31 no. 7 61-63 Jl '63.

Looking after animals on a kindergarten lot. N. Drobakha. Doshk. vykh. 24 no. 6:12-15 Je '63.

Outdoor work in the summer. L. Volkova, H. Orlova. Doshk. vykh. 24 no. 6:16-18 Je '63.

Study of the seasonal phenomena in nature. M. A. Leonova. Biol. v shkole no. 1 62-65 Jl-Ag '63.

Training children to love nature. N. Nebokha. Doshk. vykh. 24 no. 7:19-25 Jl '63.

We observe nature together with children. A. Nekhliudova. Doshk. vosp. 36 no. 6:79-84 Je '63.

NAUTICAL ASTRONOMY

Astronomical control points and their use for the determination of coordinates. V. Belykh. Mor. flot 23 no. 6:18-20 Je '63.

NAUTICAL TRAINING SCHOOLS

Radio direction finding trainer. V. Dvinin, G. Dralov. Mor. flot 23 no. 5:15-16 My '63.

NAVAL ARCHITECTURE

Advantage of designing large-tonnage tank vessels with excess metacentric height. V. S. Dorin and others. Sudostroenie 29 no. 7:5-8 Jl '63.

Changing operational and economic indices in varying the structural features of ships. E. G. Logvinovich. Trudy TSNIIMF no. 45:45-55 '63.

Characteristics in the choice of basic elements of seagoing mud scows. IU. A. Plenkin. Trudy TSNIIMF no. 45:56-66 '63.

Increasing the speed of propulsion of seagoing cargo ships. I. V. Vinogradov. Trudy TSNIIMF no. 45:30-44 '63.

Investigating the architectural design type of a general purpose dry-cargo ship of 3000-4000-ton deadweight capacity. L. G. Sokolov and others. Trudy TSNIIMF no. 45:3-28 '63.

NAVAL ARCHITECTURE (Continued)
Lyubo-Shaskol'skii [Theory of the structural design of ships] Teoriia konstruktsii korablia, uchebno-metodicheskoe posobie dlia vypolneniia kursovogo proekta dlia studentov, spetsializiruiushchikhsia po konstruktsii korpusa, Gor'kii, Gor'kovskii institut inzhenerov vodnogo transporta, 1962 94 p.
[MICROFILM]
[illegible] 'Ship hydrodynamics' Z. V. Begichev [illegible] Tr. Tsentr. NII no. 45 27-37 '63.
Winch and deck devices on ships. G. T. Mel'nichenko Sudostroenie 29 no. 7 9-14 Jl '63
NAVAL MEDICINE see Medicine, Naval
NAVIES see also subdivision 'Navy' under Russia
NAVIGATION
(see also subdivision under Florida, Straits of)
Matveev-Il', A. I. [Navigation] Navigatsiia Moskva, Izd-vo "Morskoi transport," 1963 526 p.
NAVIGATION—SAFETY MEASURES
Sailing safety of seagoing ships. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10 107-113 '62
NAVOI—COMMUNIST YOUTH LEAGUE
[illegible] in the [illegible] N. Lutsenko, Komsom. zhizn' no. 13 19-20 Jl '63.
NEANDERTHAL RACE
[illegible] of the shoulder and hip joints in contemporary and ancient man. E. N. Khrisanfova, D. V. Mikhailova, Vop. antr., no. 12 15-30 '62.
NEAR EAST—HISTORY
Assyria and the "countries of Nairy" in the late 12th and early 11th centuries B.C. G. A. Melikishvili Vest. drev. ist. no. 2, 115-129 '63.
Russian bibliography on the history of the Near East: the second half of the 19th century. B. M. Dantsig Och. po istochnikovedeniiu i istorii [illegible] 134-136 '62
Semanov, I. S. [Russia and international relations in the Middle East in the 1820's] Rossiia i mezhdunarodnye otnosheniia na Srednem Vostoke v 20-kh godakh XIX v. [Leningrad] Izd-vo Leningr. univ., 1963 140 p.
NEAR EAST—POLITICS
Our commentaries. Kommunist 21 no. 18 3-5 S '63.
V. I. Lenin and the revolutionary movement in the East. F. M. Shuko. Vop. ist. KPSS 7 no. 8 54-64 Ag '62.
NEAR EASTERN STUDIES
Orbeli, I. A. [Selected works] Izbrannye trudy, Erevan, Izd-vo AN Armianskoi SSR, 1963 683 p.
NEBULAE
Results of observations of Omega nebula (NGC 6618) made with the large Pulkovo radio telescope at 32.5 cm wavelength [with summary in English] V. G. Malumian Soob. Biur. obser. no. 31 11-17 '62
NEBULAE—SPECTRA
More precise deflation of the spectral pattern of N III used in calculating its recombination spectrum in envelopes of stars and nebulae. Part 10 [with summary in English] A. A. Mitrin, Vest. LGU 18 no. 13, 118-119 '63
NECK—DISEASES
Medial and lateral cysts and fistulas of the neck. N. A. Vasil'ev. Vest. otorin. no. 1 82-88 '63
NECKS (GEOLOGY)
Depth of the roots of petroleum necks and dikes in the Apsheron Peninsula. V. A. Gorin, Sh. F. Mekhtiev. Uch. zap. AGU. Ser. geol.-geog. nauk no. 5, 3-8 '61.
NECKTIES
Advice for men. Rab. i sial. 39 no. 6 24 Je '63.
NECROSIS, BACILLARY see subdivision under Nenets National Area
NEEDLEWORK
Stirin, A. N. [Old Russian needlework] Drevnerusskoe shit'e. Moskva, Iskusstvo, 1963. 150 p.
NEGROES—CIVIL RIGHTS see subdivision under United States
NEKRASOV, NIKOLAI ALEKSEEVICH, 1821-1877
"[illegible] and revolutionary Populism." B. IArantsev. Vop. lit. 7 no. 7 226-228 Jl '63
NEMATODA
(see also subdivision under Chelkar, Lake, Piy-Khemskiy District)
Nematode Paracuaria macdonaldi Rao, 1951, as an independent species and the position of the genus Paracuaria Rao, 1951, in acuariid system (Spirurata, Acuaridae) [with summary in English]. V. A. Leonov, A. A. TSimbaliuk, O. I. Belogurov. Vest. LGU 18 no. 15 155-157 '63.
NEMATODA—DISEASES OF PLANTS see subdivision under Trans-Ili Alatau
NEMSHILOVA, NINA ALEKSANDROVNA, -d. 1961
In memoriam. N. A. Nemshilova. Fiz. med. zhur. no. 3 119-120 My.-Je. '63
NENETS NATIONAL AREA—FUMIGATION
Use of hexachloran smoke pots in protecting deer herds from botflies and bloodsucking insects in the tundras of the Nenets National Area. V. A. Nikolaev. Trudy VNIIVS 14 13-15 '59.
NENETS NATIONAL AREA—INSECTS, INJURIOUS AND BENEFICIAL—CONTROL
Protection of herds against botflies and flying blood-sucking insects as a prophylactic method against necrobacillosis of reindeer. V. A. Nikolaev. Trudy VNIIVS 14 11-13 '59.
NENETS NATIONAL AREA—NECROSIS, BACILLARY
Protection of herds against botflies and flying blood-sucking insects as a prophylactic method against necrobacillosis of reindeer. V. A. Nikolaev. Trudy VNIIVS 14 11-13 '59.
NENETS NATIONAL AREA—PARASITES—REINDEER
Use of hexachloran smoke pots in protecting deer herds from botflies and bloodsucking insects in the tundras of the Nenets National Area. V. A. Nikolaev. Trudy VNIIVS 14 13-15 '59.
NENETS NATIONAL AREA—REINDEER—DISEASES AND PESTS
Protection of herds against botflies and flying blood-sucking insects as a prophylactic method against necrobacillosis of reindeer. V. A. Nikolaev. Trudy VNIIVS 14 11-13 '59.
NEODYMIUM
Electron paramagnetic resonance and spin-lattice relaxation of Nd^{3+} impurity ion in a $CaWO_4$ single crystal. N. E. Kask and others. Fiz. tver. tela 5 no. 8: 2302-2305 Ag '63
NEOMYCIN
Healing effectiveness of antibiotics of the neomycin series and furazolidone in colienteritis of newborn calves. T. P. Rudenko. Vest. sel'khoz. nauki [Kazakh.] 6 no. 5, 68-72 My '63.
NEPHELINE SYENITE
Geochemistry of fluorine in nepheline syenites [with summary in English]. V. I. Gerasimovskii. Geokhimiia no. 3 237-244 Mr '63.
NERVES, CARDIAC
Effect of serotonin and its antagonists on cardiac receptors [with summary in English]. A. P. Golev. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:247-257 '63
"Escape" of the heart from the effect of the vagus nerve and the Tarkhanov-Pueliha phenomenon. P. B. Babskii, L. S. Ul'ianinskii. Dokl. AN SSSR 151 no. 5 1232-1235 Ag '63.
Search for serotonin antagonists based on their action on cardiac receptors [with summary in English]. I. N. Pidevich. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:258-264 '63.
Vagal inhibition in case of cardiac denervation of various extent. I. I. Takhtaeva. Nauch. dokl. vys. shkoly; biol. nauki no. 3 58-62 '63.
NERVES, CRANIAL—DISEASES
Multiple lesions of the cerebrocranial nerves in malignant tumors of the nasopharynx in children. B. I. Dunaivitser. Vest. otorin. no. 1 95-97 '63
NERVES, INTERCOSTAL—DISEASES
Change of the intercostal nerves in tuberculous spondylitis. A. L. Khait. Probl. tub. no. 6 87-92 '62.
NERVES, PERIPHERAL
Akademiia meditsinskikh nauk SSSR, Moscow [Internal structure of the stems of peripheral nerves] Vnutrennee stroenie perifericheskikh nervov. Pod red. A. N. Maksimenkova. Leningrad, Medgiz, 1963 374 p.
Capital work on the structure of the peripheral nervous system in the embryogeny of man. M. F. Nikitsenka. Vestsi AN BSSR. Ser. biial. nav. no. 1:132-136 '63.
Complications in the peripheral nervous systems in pemphigus during treatment with corticosteroids. N. S. Smelov, G. N. Zeritsalova, V. D. Kochetkov. Sov. med. 27 no. 7:120-124 Jl '63.
NERVES, PERIPHERAL—DEGENERATION AND REGENERATION
Effect of frostbite on the regeneration of the peripheral nerves [with summary in English]. A. R. Vinnitskii. Vrach. delo no. 8:50-55 Ag '63.
NERVES, PERIPHERAL—DISEASES
Results of treating patients with diseases of the peripheral section of the nervous system with bromo-iodine water at the Ust'-Kachka Health Resort. T. F. Renne. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5, 401-406 S-O '62.
NERVES, PERIPHERAL—WOUNDS AND INJURIES
Effect of applications of silt muds from saline lakes on the functional restoration of injured peripheral nerves. K. A. Fetisov. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:413-417 S-O '62.
NERVES, SPINAL
Changes in the nucleoproteins of spinal ganglia in irradiated animals. V. M. Ivanenko. Dokl. AN [illegible] no. 3, 691-696 Jl '63.
NERVES, SPINAL—DISEASES
Discogenic lumbosacral radiculitis. I. I. Kiliarov [illegible] med. 27 no. 7:128-135 Jl '63
Pathogenesis and clinical aspects of lumbosacral [illegible] its [with summary in English]. P. A. Bu[illegible]. Vrach. delo no. 6:66-71 Je '63.
Peat therapy for patients with lumbosacral radiculitis. R. A. Chilingarian, E. T. Kulikova. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5 400-409 S-O '62.
Physicotherapeutic therapy for diseases of the peripheral nervous system (radiculitis, radiculoneuritis and [illegible] radiculitis). A. P. Speranskii. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5 385-392 S-O '62.
Treatment of patients suffering from lumbosacral radiculitis with baths from Sukhumi mineral water (Sukhumi hole No. 1). M. IA. TSetskhladze. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5 397-401 S-O '62.
NERVES, SPLANCHNIC
Effect of stimulation of the peripheral end of the splanchnic nerve on the secretory function of the adrenals. V. M. Rodionov and others. Dokl. AN SSSR 151 no. 6 1238-1240 Ag '63.
Mechanism of the action of novocaine block of the splanchnic nerves on the motor activity of the small bowel in experimental peritonitis. O. S. Kochanov. Uch. zap. Perm. gos. ped. in-ta no. 3 47-50 My.-Je. '63
NERVOUS SYSTEM
Conferences and symposia on current problems of the physiology of the nervous system. K. A. Lange. Vest. AN SSSR 33 no. 9 92-94 S '63.
Effect of industrial noise on some functions of the nervous system. I. P. Milkov. Gov. med. 27 no. 6 [illegible] Jl '63.
Effect of some new stimulants (phenamine and [illegible] tives, pyridoxybrom) on the cardiovascular system [with summary in English]. S. IA. Arutiunov. Uch. zap. Inst. farm. i khimioter. AMN SSSR 4, 30 [illegible] '63.
Evolutionary principle in the study of general [illegible] structural organization of the central nervous system [with summary in English]. V. I. Filippenko. Zhur. vys. nerv. deiat. 13 no. 3 430-431 My.-Je. '63.
Methodology of evaluating the proportion of [illegible] processes in determining the type of higher nervous activity in animals by conditioned motor food reflexes [with summary in English]. P. P. Lobova. Zhur. vys. nerv. deiat. 13 no. 3 361-370 My.-Je. '63
Present-day research on some aspects of the higher nervous activity. M. I. Strunkin. Biul. eksperim. biol. i med. 56 no. 8 76-82 Jl.-Ag. '63
NERVOUS SYSTEM—DEGENERATION AND REGENERATION
Characteristics of degenerative changes in the afferent nerve fibers of the rectum under experimental conditions. A. P. Amviantseva. Vestsi AN BSSR, ser. biial. nav. no. 1 67-72 '63
NERVOUS SYSTEM—DISEASES
Problem with regard to lesions of the nervous system during metabolic disorders and diseases of the liver according to data of the Seventh International Neurological Congress in Rome. N. I. Grashchenkov. Klin. med. Gekht. Terap. arkh. 35 no. 1, 105-112 Ja '63
Treatment of diseases of the nervous system with methyldiazil [with summary in Portish]. I. E. Zil'berdenkova, N. N. Kolosova, A. G. Nekhamkina. Vrach. delo no. 8:55-59 Ag '63.
Vascular reactivity in patients with vasomotor rhinitis. L. B. Daintiak. Vest. otorin. no. 1 [illegible] '63
NERVOUS SYSTEM—REPTILES
Afferent innervation of the reptile encephalon. T. P. Sinochkina. Nauch. dokl. vys. shkoly; biol. nauki no. 4 59 '63.
NERVOUS SYSTEM—TUMOURS
[Multivolume manual on neurology] Mnogotomnoe rukovodstvo po nevrologii. Moskva, Medgiz
Vol. 5 [Tumors of the nervous system] Opukholi nervnoi sistemy. Red. komis. G. P. Konstantinov i I. IA. Bazdol'skii. 1961 570 p.
NERVOUS SYSTEM—VERTEBRATES
Phylogeny of internal mechanisms of analytical activity of the brain [with summary in English]. L. G. Voronin, V. I. Gusel'nikov. Zhur. vys. nerv. deiat. 13 no. 2 193-206 Mr.-Ap. '63.
NERVOUS SYSTEM, AUTONOMIC
Danini-Aschner reflex in persons working in absolute darkness. V. P. Kanichatnov, F. A. IAkhin. Kaz. med. zhur. no. 3 94 My.-Je. '63.
Effect of climatic factors on some vegetative reflexes in patients with neurasthenia under the accustomed conditions of the central belt. L. N. Kannyets and others. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2, 108-115 Mr.-Ap. '63.

NERVOUS SYSTEM, AUTONOMIC (Continued)

Effect of the quaternary base of tazettine on the vegetative ganglia Kh U. Khe., I K. Kamilov Farm alk no 1 202-205 '62

Vegetative tests in patients with vascular psychoses, preliminary report. V. N. Tiul'mankov Trudy 1-go MMI 21:374-379 '63.

NERVOUS SYSTEM, VASOMOTOR

Effect of pharmacological substances on the nervous regulation of the tonus of coronary vessels [with summary in English]. N. V. Kaverina. Uch. zap Inst farm i khimioter AMN SSSR 3 234-246 '63

NERVOUS SYSTEM, VASOMOTOR—DISEASES

Vegetoneurotic (vasomotor) and allergic disorders of various parts of the upper respiratory tract B S Preobrazhenskii Vest otorin no 1 3-13 '63

NESHCHADIMENKO, MARK PETROVICH, 1862-1942

Professor M. P. Neshchadimenko. S. S. Dlachenko. Vrach. delo no. 6:150-152 '63.

NESTEROV, PETR NIKOLAEVICH, 1887-1914

Glory to the hero. N Semenkevich. Kryl rod. 14 no 9 23 S '63.

NETHERLANDS—POLIOMYELITIS—VACCINATION

The pious pastor and poliomyelitis. N. Paklin. Nauka i rel. 4 no. 7:48-49 Jl '63.

NEURALGIA, TRIGEMINAL

Changes in the temperature of the skin of the face in trigeminal neuralgia [with summary in English]. V. S. Mikhailovskii, D. G. Nalivaiko. Vrach. delo no. 8 60-63 Ag '63.

NEURASTHENIA

Effect of climatic factors on some vegetative reflexes in patients with neurasthenia under the accustomed conditions of the central belt. L. N. Kanavets and others. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2: 108-115 Mr-Ap '63.

NEURITIS, MULTIPLE

Problems of the pathogenesis of polyneuritis caused by exposure to low temperatures and endarteritis [with summary in English]. A. R. Vinnitskii. Vrach. delo no. 6:17-23 Je '63.

NEUROCHEMISTRY

Cholinergic links in the adrenergic fibers [with summary in English]. J. H. Burn. Uch. zap. Inst farm i khimioter. AMN SSSR 3,176-185 '63

Comparative action of galanthamine hydrobromide and hydroxymethylate on neuromuscular conduction Sh S Umarova, I. K. Kamilov, N. P. Polivtsev Farm. alk. no. 1 184-189 '62,

Effect of derivatives of vincanine on neuromuscular conduction. A. A Vakhabov, M B. Sultanov Farm. alk no. 1 133-137 '62

NEUROCHEMISTRY—CONGRESSES

Vsesoiuznaia konferentsiia po biokhimii nervnoi sistemy. 3d, Erivan, 1962. [Reports of the All-Union Conference on the Biochemistry of the Nervous System] Sbornik dokladov. Pod red. A. V. Palladina i G. Kh. Buniatiana. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1963. 624 p.

NEUROLOGY

Neurological symptomatology in vascular psychoses. V. N. Belousova. Trudy 1-go MMI 21:120-127 '63.

NEUROPSYCHIATRY

Data on combined sphygmomanometry in hypotension with neuropsychic disorders. G. V. Ryzhikov. Trudy 1-go MMI 21:336-361 '63.

Review of the book "Neurophysiological studies in neuropsychic diseases." N. N. Traugott, L. IA. Balonov. Zhur vys. nerv. deiat. 13 no. 2 393 Mr-Ap '63.

NEUROPSYCHIATRY—CONGRESSES

First Congress of the Neuropathologists and Psychiatrists of the Russian Federation. D. D. Fedotov. Zdrav. Ros. Feder. 7 no. 7:37-40 Jl '63.

NEUROPSYCHOPHARMACOLOGY

Effect of neurotropic substances on chemoreflexes from the vessels of the pulmonary circulation [with summary in English]. Z. N. Ivanova. Uch. zap Inst. farm i khimioter. AMN SSSR 3:265-277 '63.

Effect of neurotropic substances on the central regulation of the activity of the cardiovascular system [with summary in English]. A. V. Val'dman. Uch. zap. Inst. farm i khimioter. AMN SSSR 3:218-233 '63.

Effect of pharmacological substances on the nervous regulation of the tonus of coronary vessels [with summary in English]. N. V. Kaverina. Uch. zap Inst. farm i khimioter. AMN SSSR 3:234-246 '63.

Pharmacological aspects of neuromuscular transmission [with summary in English]. W. F. Riker Jr., F. G. Standaert. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3: 115-137 '63.

NEUTRINOS

Meson production in neutrino experiments and the isotopic structure of weak interaction [with summary in English]. Nguen Van Khieu. Zhur. eksp i teor. fiz. 45 no. 2:202-206 Ag '63.

NEUTRON SPECTROMETERS

Multiwire neutron detector with nonoverloading preamplifier S S Moskalev, IU V Adamchuk, S. K Sotnikov Prib i tekh. eksp. 8 no 3:58-60 My-Je '63

NEUTRONS

Isotopes of hydrogen and neutron. N. A. Vlasov Priroda 52 no. 8,75-77 Ag '63

Studying the background and energy spectrum of neutrons from a betatron with the aid of nuclear emulsions. B. M Lkovlev, A A IAtis. Izv. vys. ucheb. zav., fiz. no. 4 3-9 '63.

NEUTRONS—CAPTURE

Demidov, A. M. [Methods for studying nuclear radiations in the radiation capture of thermal neutrons] Metody issledovaniia izluchenitia iader pri radiatsionnom zakhvate teplovykh neitronov. Moskva, Gosatomizdat, 1963 73 p

Radiative capture of resonance neutrons by Pr^{141} nuclei [with summary in English]. J. Urbanec Zhur eksp. i teor fiz. 45 no. 2:93-97 Ag '63

NEUTRONS—PHYSIOLOGICAL EFFECT

Genetic consequences of the action of fast neutrons on sexual cells in male mice. M. D Pomerantseva, L. K. Ramaiia. Dokl. AN SSSR 151 no. 1:203-205 Jl '63.

NEUTRONS—SCATTERING

Amplitude of coherent scattering of neutrons by gallium nuclei. IU S. Kuz'minov, N V. Belov Kristallografiia 8 no 4.675-677 Jl-Ag '63

Calculation of a dose of neutrons from a polonium-beryllium source on the surface of a protective covering of paraffin up to 60 cm thick. I. G. Diad'kin, A. T. Lisinenkov. Prikl. geofiz. no. 36:233-235 '63.

NEVA RIVER—TUNNELING

Digging the tunnel for the Leningrad subway under the Neva River. D. I Bol'shakov. Transp. stroi. 13 no. 5: 25-28 Je '63.

NEW YORK (CITY)—COST AND STANDARD OF LIVING—STATISTICS

Mechanics of an "average" life. R. Kondaev. Agitator no. 12:62 Je '63.

NEW YORK (CITY)—MILK SUPPLY

New York milk supply. G. Gordeev. Ekon. sel'khoz. 34 no. 7 110-114 Jl '63.

NEW YORK (CITY)—POLITICS AND GOVERNMENT

Cook, F. J., and Gleason, Gene. [Report from New York Translated from the English] Reportazh iz N'iu-Iorka. [Moskva] Izd-vo VTsSPS, Profizdat, 1961. 210 p (NIC)

NEWSPAPER AND PERIODICAL CIRCULATION

For millions of readers. N. Psurtsev. Mol komm. no. 8:48-51 Ag '63.

NICKEL

Certain features of porous nickel oxidation. S. IU. Shaliver. Zhur. fiz. khim. 37 no. 8:1845-1846 Ag '63.

NICKEL—METALLURGY

Investigating the nickel matte converter process with top blowing and a continuous overflow of slag. L. M. Shalygin, D. A. Dlomidovskii. TSvet. met. 36 no. 8:20-30 Ag '63.

Mathematical model of the active bent exchange zone in shaft furnaces for purposes of the automatic smelting of oxide nickel ores. A. Ashimov, D. I. Lisovskii. Izv. vys. ucheb. zav.; tsvet. met. 6 no. 3:151-156 '63.

Polarization in electrodeposition of nickel with alternating current. F. I. Kryzhanovskii. Sbor. nauch. trud. KGRI no. 7:341-348 '59.

NICKEL—TESTING

Dependence of the nickel anisotropy constant and magnetization saturation. I N met i metalloved 16 no. 1:29-32 Jl

NICKEL-ALUMINUM ALLOYS—TESTING

Investigating temporary strength dependence nickel and copper with aluminum L M Nikitina Fiz met. i metalloved 16 n '63

NICKEL COMPOUNDS

Structural motifs of crystals of some thiocompounds of bivalent nickel and copper I Shits Zhur strukt. khim 4 no. 4 584

NICKEL INDUSTRY—EQUIPMENT AND SUPPLIES

Kel'son, G. M., and V. B. Zhilkin. [Plant in the production of nickel] Tiflanovoe oborudovanie proizvodstva nikelia. [Murmansk] Murmanoe izd-vo, 1963. 124 p.

NICKEL-IRON ALLOYS see Iron-nickel alloys

NICKEL-IRON-CHROMIUM ALLOYS see chromium alloys

NICKEL PLATING

(see also subdivision under Sverdlovsk)

Khoperiia, T. N. [Chemical nickel plating on nonmetallic materials] Khimicheskoe nikelirovanie nemetallicheskikh materialov Leningrad, 1963. 21 p (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom Serlia: Zashchitnye pokrytiia metallov, no. 3)

NICKEL TELLURIDE CRYSTALS

Study of the phase structure of the system Ni - Te in thin films and the β-phase of NiTe G G Dvoryankina, Z G Pinsker Kristallografiia 8 no 4 556-560 Jl-Ag '63

NICOCHLORANE

Insecticidal and acaricidal characteristics of nicochlorane. I. A. Kurmanov. Trudy VNIIVS 14:19-20 '59.

Nicochlorane, a new preparation for controlling arthropod parasites in animals and poultry. N. P. Sal'nikov. Trudy VNIIVS 14:16-19 '59.

NICOCHLORANE—TOXICOLOGY

Toxicity of nicochlorane. A. M. Priselkov, D. K. Poliakov. Trudy VNIIVS 14.20-24 '59.

Toxicity of nicochlorane for cattle. I. A. Kurmanov. Trudy VNIIVS 14:24-29 '59.

NIGERIA—ETHNOLOGY

Ismagilova, R. N. [Peoples of Nigeria; ethnic composition and brief ethnological characteristics] Narody Nigerii, etnicheskii sostav i kratkaia etnograficheskaia kharakteristika. Moskva, Izd-vo vostochnoi lit-ry, 1963. 273 p.

NIGERIA—WOMEN

The role of women today. Djibo Fati. Az. i Afr. seg. no. 0:41 Ag '63.

NIGHT SKY

Auroras and the radiation of the night sky. V. I. Krasovskii. Vest. AN SSSR 33 no. 9 30-32 S '63.

NIKOLAEV, ANDRIAN GRIGOR'EVICH, 1920-

Mel'nikov, N. [Captains of the stars] Zvezdnye kapitany. Moskva, Sovetskaia Rossiia, 1963 252 p (Liudi Sovetskoi Rossii)

NIKOLAYEV PROVINCE—GRAIN HANDLING MACHINERY

They mechanized the unloading of carcorn from railroad cars I Ignatenko Muk-elev. prom 29 no. 3 24 Mr '63

NIKOLAYEV PROVINCE—SHIPBUILDING

From materials of report conferences. T. I. Kleshcheva. Sudostroenie 29 no. 7:79-81 Jl '63.

NIKOLAYEV PROVINCE—STATISTICS

Nikolayev (Province) Statisticheskoe upravlenie. [The economy of Nikolayev Province; statistical abstract] Narodnoe khoziaistvo Nikolaevskoi oblasti; statisticheskii sbornik. Nikolaev, 1962. 173 p (MH)

NILE VALLEY—ANTIQUITIES

The Nubian Archaeological Expedition of the Academy of Sciences of the U.S.S.R., 1961-1962. B. B. Piotrovskii. Vest. drev. ist. no. 2:185-186 '63.

NIOBIUM

Electrochemistry of niobium. Part 1: Hydrogen overvoltage on niobium [with summary in English]. A. L. Rotinian, N. M. Kozhevnikova. Zhur. fiz. khim. 37 no. 9: 1818-1824 Ag '63.

Some characteristics of the mineralogy and geochemistry of niobium and tantalum in the pneumatolytic-hydrothermal metasomatic process associated with subalkali rocks. M. A. Kudrina. Min. syrie no. 7:108-115 '63

NIOBIUM COMPOUNDS—ABSORPTION SPECTRA

Comparative characteristics of spectrophotometric methods for determining tantalum and niobium. Part 1. General criteria and inorganic reagents. V. F. Filippenko, O. M. Fremeko [illegible] Zhur. anal. khim. 29 no. 5 532-[illegible] '63.

Comparative characteristics of spectrophotometric methods for determining tantalum and niobium. Part 2. Use of organic reagents. V. F. Filippenko, O. M. Fremenko. Zhur. anal. khim. 29 no. 5 539-547 '63.

NIOBIUM-MOLYBDENUM ALLOYS—ANALYSIS

[illegible] Zhur. anal. khim. 18 no. 2 213-[illegible] '63.

NITRATES

Reduction of nitrate on the dropping mercury cathode in the presence of small amounts of lanthanum ions [with summary in English]. Liu Shu-sen [Liu Shou-jung] and Chang Tsung-hsi. Chung-kuo ko hsueh yuan hsueh pao. Ser. B 12 no. 6 617-620 '63.

Thermal analysis of interaction of cellulose with water and water solutions of electrolytes. Part 4. Effect of protective agents on the integral heat of the interaction of cellulose. Shu-ts'ai P. Mikhailenko, N. P. Dubrovina, and V. V. [illegible]. Trudy LTITSBP no. 8 114-119 '61.

NITRATION

Formation of nitroso-chloranilones by the nitration of 2,4,6-trialkylphenols. V. V. Ershov, G. A. Zlobina [illegible] Izv. AN SSSR, Ser. khim. no. 9 1667-1669 S '63.

The [illegible] of the nitration of some aromatic compounds [illegible] Kh. V. Lel'chuk, B. V. Tronov [illegible] Izv. TPI 111 1-15 '61.

Kinetics of trinitrobenzene nitration by 100% nitric acid and the study of the system by other methods of physicochemical analysis. B. V. Tronov, Kh. V. Lel'chuk [illegible] Izv. TPI 111 6-11 '61.

NITRILE RUBBERS

Low-temperature vulcanization of some synthetic rubbers. Part 4. Effect of the nitrile group content on the thermal deamination of butadiene nitrile rubbers [with summary in English]. V. D. Zakharov, Vysokom. soed. 5 no. 8 1190-1195 Ag '63.

NITRILES

Study of the reaction of fatty and aromatic acid nitriles with tertiary butyl peroxide. V. A. Vasnev, S. L. Sosin, V. V. Korshak. Izv. AN SSSR Ser. khim. no. 7 1312-1319 Jl '63.

Synthesis of ferrocene derivatives from nitriles of ferrocenecarboxylic acids. A. N. Nesmeianov, and others. Izv. AN SSSR, Ser. khim. no. 8 1377-1380 Ag '63.

NITRO COMPOUNDS

Addition of silane hydrides to unsaturated nitro compounds and the synthesis of nitroalkyl silovanes. S. S. Novikov, V. V. Sevost'anova. Izv. AN SSSR. Ser. khim. no. 9 1641-1645 S '63.

NITROBENZENE

Complexes of aminobenzoic acids and their salts with dinitrobenzenes. B. V. Tronov, N. V. Sarneva. Izv. TPI 111 3-5 '61.

Kinetics of nitrobenzene nitration by 100% nitric acid and the study of the system by other methods of physicochemical analysis. B. V. Tronov, Kh. A. Lel'chuk. Izv. TPI 111 6-11 '61.

NITROCELLULOSE

Nitrocarboxy derivatives of cellulose. Z. I. Kuznetsova, V. S. Ivanova, N. N. Shorygina. Izv. AN SSSR. Ser. khim. no. 9 1686-1688 S '63.

NITROGEN

Reactions involving nitrogen atoms. Report No. 1. Certain properties of nitrogen atoms and the rate constants for the recombination of atoms in space and on various surfaces. L. I. Avramenko, V. M. Krasnen'kov. Izv. AN SSSR. Ser. khim. no. 7 1196-1203 Jl '63.

Synthesis of ozone from nitrogen-oxygen mixtures at elevated temperatures. Iu. N. Zhitnev, Iu. V. Filippov. Vest. Mosk. un. Ser. 2 Khim. 18 no. 4 36-38 Jl-Ag '63.

NITROGEN—SPECTRA

Determination of nitrogen in metals. S. A. Skotnikov. Trudy Inst. met. no. 15, 43-53 '63.

NITROGEN COMPOUNDS

Determination of nitrogen-containing organosilicon compounds in the air. F. D. Krivoruchko. Zav. lab. 29 no. 8 927-928 '63.

NITROGEN METABOLISM

Modern concepts of nitrogen metabolism in the rumen of ruminants [with summary in English]. P. I. Zherebtsov, V. F. Vrakin. Izv. TSKHA no. 3 166-175 '63.

Nitrogen metabolism in red clover and common timothy in pure and mixed stands as related to some physiological indices. A. Iu. Daragan-Sushchova, A. I. Smetanikova. Trudy Bot. inst. Ser. 3 no. 14 140-159 '63.

Nitrogen metabolism in the rumen of ruminants [with summary in English]. A. I. Solntsev, N. I. Susova. Izv. TSKHA no. 3 234-236 '63.

NITROGEN OXIDES

Oxidation of Di-methoxy-Di-hydroxymethyldiglycolaldehyde by nitrogen oxides. Z. I. Kuznetsova, V. I. Ivanov, V. M. Prostiakova. Izv. AN SSSR, Ser. khim. no. 9 1688-1690 S '63.

Rapid method for determining nitrogen oxides in concentrated sulfuric acid of wet catalysis. A. A. Safonova, E. V. Lukash. Koks i khim. no. 8 51 '63.

NITROGLYCERIN—THERAPEUTIC USE

More on the pharmacodynamics of nitroglycerin [with summary in English]. V. N. Dziak. Vrach. delo no. 6 123-28 Je '63.

NITROSATION

Kinetics of nitrosation of secondary aromatic amines. Part 2. Catalytic action of halide ions. M. A. Loshkarev, R. M. Joshuas. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2 236-242 '63.

NIZHNIY TAGIL—METALWORKERS

Descendants of rolling-mill operator Gavrila. A. Borin. Na rubezhe 38 no. 9 199-213 S '62.

NIZHNIY TAGIL—ORPHANS AND ORPHANAGES

There is a school commune in the Urals. V. Protsenko. Nar. obr. no. 8 106-109 Ag '63.

NOGINSK—SOCIAL CONDITIONS

They found their place in the building of communism. N. Tarabukin. Agitator no. 12, 41-42 Je '63.

NOISE

Gashunin, V. F., and O. K. Postnikov. [Controlling noise and vibrations] Bor'ba s shumom i vibratsiey; tema V. Uchebnoe posobie po kursa "Tekhnika bezopasnosti" dlia studentov zaochnogo i vechernego otdeleniia. Moskva, Mosk. poligr. in-t, 1963, 22 p.

NOISE—PHYSIOLOGICAL EFFECT

Effect of industrial noise on some functions of the nervous system. L. E. Mil'kov. Sov. med. 27 no. 7 89-92 Jl '63.

NOMADS

Excavations of burial mounds in the eastern Pamirs in 1960. B. A. Litvinskii, M. A. Bubnova. Trudy Inst. ist. AN Tadzh. SSR 34. Arkheol. rab. v Tadzh. SSR no. 8 27-34 '62.

NOMOGRAPHY (MATHEMATICS)

Method for the analysis of automatic control systems by means of nomograms. B. A. Iakovlev. Izv. vys. ucheb. zav., prib. 6 no. 3 36-44 '63.

NONCONTENTIOUS JURISDICTION

Procedural characteristics of the institution of a "special procedure lawsuit." A. Mel'nikov. Sov. iust. no. 9 11-12 '63.

NON-EUCLIDEAN GEOMETRY see Geometry, Non-Euclidean

NONFERROUS ALLOYS—METALLOGRAPHY

Deformation of two-phase alloys. V. A. Likhachev, K. P. Assur. Fiz. met. i metalloved. 16 no. 1 97-101 Jl '63.

NONFERROUS ALLOYS—METALLURGY

Pore formation in distilling-off the volatile component from a solid solutions. F. A. Santalov. Fiz. met. i metalloved. 16 no. 1 80-85 Jl '63.

NONFERROUS INGOTS—COOLING

Rate of cooling silicon-copper alloys. D. I. Lainer and others. TSvet. met. 36 no. 8 76-79 Ag '63.

NONFERROUS METAL INDUSTRIES
(see also subdivision under Bulgaria)

Moscow. TSentral'nyi institut informatsii tsvetnoi metallurgii. [Working of nonferrous metals and alloys in capitalist countries] Obrabotka tsvetnykh metallov i splavov v kapitalisticheskikh stranakh. Moskva.
Pt. 1 [Technical and economic review and the technology of rolling] Tekhniko-ekonomicheskii obzor i tekhnologiia prokatki. 1962. 349 p.
[MICROFILM]

Under the banner of communist ideology for the creation of a material and technical base of communism. TSvet. met. 36 no. 8 1-5 Ag '63.

NONFERROUS METAL INDUSTRIES—BY-PRODUCTS

Heat insulating slag wool obtained during the electric smelting of semifinished products of the lead and zinc industries. V. V. Vershinina. Trudy Alt. GMNII AN Kazakh. SSR 14 141-149 '63.

Local binding materials and slag portland cement from slags obtained during the electric smelting of the semifinished products of the lead and zinc industries. V. V. Vershinina, I. I. Fedotova. Trudy Alt. GMNII AN Kazakh. SSR 14 150-159 '63.

Refining and use of cast iron obtained during the smelting of zinc slags and sinter cake. Iu. M. Sizov and others. Trudy Alt. GMNII AN Kazakh. SSR 14 123-128 '63.

NONFERROUS METAL INDUSTRIES—WASTE [illegible]

Moscow. TSentral'nyi institut informatsii tsvetnoi metallurgii. [Waste waters from enterprises of metallurgy and methods of their purification] Vody predpriiatii tsvetnoi metallurgii i metody ikh ochistki. Moskva, 1963. 15 p. (Obzornaia [illegible]
[Microfilm]

NONFERROUS METALS see subdivision under [illegible] Ural Mountains

NONFERROUS METALS—ANALYSIS

Khristoforov, B. S., and E. D. Glotko. [Analysis of products of the lead industry] Vedushchie produktov svintsovogo proizvodstva. Novosibirsk. Trudy vu Sibirskogo otd-niia AN SSSR, 1961. 91 p.

Rhenium mineral in copper-lead impregnations. L. D. Marchukova, E. M. Poplavko. Trudy Ts. [illegible] no. 15, 41-42 '63.

NONFERROUS METALS—ELECTROMETALLURGY

New high temperature cementation method of [illegible] aluminum with a layer of lead-nitrate alloy. [illegible] Khan. Trudy Alt. GMNII AN Kazakh. SSR 14 [illegible]

Treatment of slags from the first period of a complex metal matte. E. K. Dilutskii, M. [illegible] M. D. Primbetov. Trudy Alt. GMNII AN [illegible] 14 23-29 '63.

Two-stage method of treating slag [illegible] electric furnaces. G. F. Platonov and others. [illegible] Alt. GMNII AN Kazakh. SSR 14 4-13 '63.

NONFERROUS METALS—METALLURGY

Chloride sublimation as applied to pyrite [illegible] the Nikolayevka ore deposit. E. I. Kurbatskii and others. Trudy Alt. GMNII AN Kazakh. SSR 14 [illegible] '63.

Effect of the addition of coke on the composition and yield of converter slags. E. K. Dilutskii and [illegible] Trudy Alt. GMNII AN Kazakh. SSR 14 101 [illegible]

Stabilization of metals in copper-cadmium alloys. G. V. Kim, M. A. Abdeev, R. I. Mommaeva, [illegible] GMNII AN Kazakh. SSR 14 100-103 '63.

NONFERROUS METALS—TESTING

Mechanical properties of aluminum and [illegible] trusion by high pressure fluids. B. I. Bilychev. Fiz. met. i metalloved. 16 no. 1 [illegible] Jl '63.

NONMETALLIC MATERIALS

Khoperiia, T. N. [Chemical nickel plating of materials] Khimicheskoe nikelirovanie poroshkovykh materialov. Leningrad, 1963. 31 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Peredovym opytom. Seriia: Zashchitnye pokrytiia metallov, no. 3)

NONMETALLIC MATERIALS—ANALYSIS

"Colorimetric (photometric) methods for the [illegible] of nonmetals" by Ed. D. Holtz. Review and [illegible] shina. Zhur. anal. khim. 18 no. 6 [illegible]

NONMETALLIC MINERALS
(see also subdivision under Aldan Plateau)

Basic genetic characteristics of the [illegible] of piezooptic minerals and prospecting indications connected with them. A. I. Zakharchenko. [illegible] 83-3-92 '62.

NONWOVEN FABRICS

Use of some thermoplastic resins for the preparation of nonwoven fabrics with the adhesion method. [illegible] Belov, E. T. Ustinova, S. K. Fromin. Izv. [illegible] zav., tekh. tekst. prom. no. 3 98-102 '63.

NORADRENALINE

Nature of the influence of noradrenaline on [illegible] reflex activity during direct introduction into [illegible] (with summary in English). L. V. Kaliuzhnyi. [illegible] vys. nerv. deiat. 13 no. 2 309-315 Mr-Ap '63.

Study of the excretion of catechol amines in [illegible] sis [with summary in English]. L. I. Davydova. [illegible] dele no. 6 33-36 Je '63.

NORIL'SK REGION—MINE ROOF BOLTING

Economic efficiency of using rod bolting in the Noril'sk coal mine. L. IA. Galinskaia. Nauch. trudy MOI [illegible] 57-62 '62.

NORIL'SK REGION—SULFIDES

Some data on the sulfur isotope composition of sulfides in the Noril'sk deposit [with summary in English]. M. N. Godlevskii, L. N. Grinenko. Geokhimiia [illegible] 40 Ja '63.

NORIL'SK REGION—SULFUR ISOTOPES

Some data on the sulfur isotope composition of [illegible] in the Noril'sk deposit [with summary in English]. M. N. Godlevskii, L. N. Grinenko. Geokhimiia [illegible] 40 Ja '63.

NORTH ATLANTIC TREATY ORGANIZATION

Criminal strategy [with English summary in insert]. Az. i Afr. seg. no. 8 30-31 Ag '63.

The nuclear policy of NATO; contradictions and discords. M. L'vov. Mir. ekon. i mezhdunar. otn. no. 8 21-35 '63.

Our commentaries. Nov. vrem. 21 no. 36 [illegible] '63.

NORTH CRIMEAN CANAL
Crimea drinks the elexir of life. I. Litvinenko. Tekh. mol. 30 no 11 37-38 '62

NORTH OSSETIA see Ossetia, North

NORTHERN CAUCASUS see Caucasus, Northern

NORWAY—MARITIME LAW
Norway; the code of maritime law adopted in 1893. Inform. sbor. TSNIIMF no. 56. Mor. pravo i prak. no. 11: 42-53 '60.

NORWAY—POLITICS AND GOVERNMENT
The political crisis in Norway. L. Andreev. Nov. vrem. 21 no. 36:18-19 S '63.

NORWAY—SHIPBUILDING
Norwegian-built ships. Sudostroenie 29 no. 5:64 My '63.

NOSE—ABNORMITIES AND DEFORMITIES
Rare case of dysplasia of the nasal bones. M. IA. Sypin. Vest. otorin. no 1 90-92 '63

NOSE—DISEASES
Sarcoidosis of the nose and pharynx (Boenier-Borck-Schaumann disease) Vest. otorin. no 1 93-95 '63
Vascular reactivity in patients with vasomotor rhinitis. L. B. Dainiak. Vest. otorin no 1:42-50 '63.

NOSE—SECRETIONS
Cytological picture of nasal secretion in the diagnosis of allergy in chronic hyphomycetic rhinitis. M. R. Bogomil'skii. Vest. otorin. no 1:13-18 '63

NOSE—SURGERY
Modification of Professor Golovin's operations in chronic dacryocystitis. A. G. Petrov. Kaz. med. zhur. no 3 88-89 My-Je '63
Our experience in dacryocystorhinostomy using Professor V. N. Arkhangel'skii's method. N. V. Fedorova Kaz. med. zhur. no 3 89 My-Je '63.

NOSE, ACCESSORY SINUSES OF—RADIOGRAPHY
Headholder for large-film fluorography of the accessory nasal sinuses. V. A. Novikov, S. I. Avdonin. Vest. rent. i rad. 38 no. 2:57-58 Mr-Ap '63.

NOTARIES
From the practice of notarial agencies. Sov. just. no. 9: 31 My '63.
From the practice of notarial agencies. Sov. just. no. 12:31-32 Je '63.

NOVGOROD—DESCRIPTION
Konstantinova, T. M. [Novgorod; a brief guidebook] Novgorod; kratkii putevoditel'. Novgorod, Novgorodskii istoriko-arkhit. muzei-zapovednik. 1960. 37 p. (ICU)

NOVGOROD (DUCHY)—LEGENDS, SLAVIC
Some remarks on the legends of Velikiy Novgorod and on contacts among the ancient Slavs [with summary in English]. V. B. Vilinbakhov. Vest. LGU 18 no. 14: 31-43 '63.

NOVOCAINE
Changes in higher nervous activity caused by p-aminobenzoic acid and novocaine during the administration of sulfanilamide [with summary in English] T. M. Kucherenko, G. I. TSebkallo. Zhur. vys. nerv deiat 13 no. 2 276-279 Mr-Ap '63.
Mechanism of the action of novocaine block of the splanchnic nerves on the motor activity of the small intestine in experimental peritonitis. O. S. Kochnev. Kaz. med. zhur. no. 3 47-50 My-Je '63.
Method of conservative treatment in senile cataract [with summary in English]. E. V. Alekseandrovich. Uch. zap. GNII glaz. bol. no. 8:107-108 '63.
Novocaine block as a method of pathogenetic therapy for gastric peptic ulcer. N. N. Kuznetsov. Sov. med. 27 no. 7:124-125 Jl '63.

NOVOKUZNETSK—ECONOMICS—STUDY AND TEACHING
Fruitful initiative. P. Chernov. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 5:105-107 '63.

NOVOKUZNETSK—METALLURGICAL PLANTS
Modifications of the technological flow sheet for the preparation of the coal charge in the Kuznetsk Metallurgical Combine. V. V. Rakov and others. Koks i khim. no. 6: 3-7 '63.

NOVOMOSKOVSK (TULA PROVINCE)—MEDICINE, INDUSTRIAL
Work of the health center at a chemical plant. V. G. Kholopova. Fel'd. i akush. 28 37-41 F '63.

NOVOSIBIRSK—INDUSTRIAL MANAGEMENT
Economic education in industrial plants. A. Lukash. Part. zhizn' no. 17:27-31 S '63.

NOVOSIBIRSK—PIPE MILLS—TECHNOLOGICAL INNOVATIONS
Enterprises exchange information. I. Kuznetsov. Sots. trud. 8 no. 6:88-89 Je '63.

NOVOSIBIRSK—SERVICE STATIONS—EQUIPMENT AND SUPPLIES
Experimental gasoline vending pump in a service station. N. I. Gavrilenko, V. K. Sigachev. Transp. i khran. nefti no. 1 23-26 '63

NOVOSIBIRSK PROVINCE—ATHEISM—STUDY AND TEACHING
Follow-up of our articles. Nauka i rel. 4 no. 7:81 Jl '63
A meeting of atheists. K. Chertkov. Komsom. zhizn' no. 13 21 Jl '63.

NOVOSIBIRSK PROVINCE—COMMUNIST YOUTH LEAGUE
Soul searchers. G. Gusev, N. Miroshnichenko Mol. kommun. no. 8:23-29 Ag '63.

NOVOSIBIRSK PROVINCE—FOREST MANAGEMENT
Our practices in the mechanization of improvement cuttings in shelterbelts. V. B. Liakhovich. Les. khoz. 16 no. 6:71-72 Je '63.

NOVOSPASSKOYE REGION—AGRICULTURAL EDUCATION
For those who study. A. Bardinova, D. Dobrusin. Sel'mekh. no. 5 28-29 My '63

NOZZLES
Linearized supersonic flows through Laval nozzles. M. P. Riabokon'. Prikl. mat. i mekh. 27 no. 4 714-718 Jl-Ag '63.

NUCLEAR COUNTERS
Selective-efficiency counter for recording recoilless gamma rays. K. P. Mitrofanov, N. V. Illarionova, V. S. Shpinel'. Prib. i tekh. eksp. 8 no. 3:49-51 My-Je '63.
Spark counters of charged particles. M. I. Dalon, G. A. Leksin. Usp. fiz. nauk 80 no. 2 281-329 Je '63
Use of a threshold Cherenkov counter in separating π- and μ-mesons in meson beams. V. D. Bobrov and others. Prib. i tekh. eksp. 8 no. 3 55-57 My-Je '63.

NUCLEAR ENGINEERING
[Nuclear engineering abroad] Atom. tekh. za rub. 7 no. 9 S '63.

NUCLEAR FISSION
Kinetic energy of fragments produced in the symmetrical fission of U^{235} [with summary in English] P. P. Dyachenko and others. Zhur. eksp. i teor. fiz. 45 no. 2:8-12 Ag '63.

NUCLEAR FORCES
Phenomenological analysis of the binding energy of hypernuclei. A. M. Kol'chuzhkin, N. N. Kolesnikov. Izv. vys. ucheb. zav.; fiz. no. 4:19-25 '63.

NUCLEAR GEOPHYSICS
Needle found in a haystack. Vanda Beletskaia, V. Krupin, Ogonek 41 no. 30:16-18 Jl '63.

NUCLEAR MAGNETIC RESONANCE AND RELAXATION
Calculating the second moment of the nuclear magnetic resonance line in isotropic molecular rotation. L. V. Dmitrieva, V. V. Moskalev. Fiz. tver. tela 5 no. 8: 2230-2231 Ag '63.
Nuclear magnetic resonance in ferromagnetics. L. L. Buishvili, N. P. Giorgadze. Fiz. tver. tela 5 no. 7: 1814-1821 Jl '63.
Nuclear magnetic resonance method used in studying the state of hydrogen in aquaeply compounds of tungsten. Vl. I. Spitsyn, V. F. Chuvaev, V. IA. Kabanov. Dokl. AN SSSR 152 no. 1:153-155 S '63.

NUCLEAR MODELS
Statistical theory of the density of nuclear levels [with summary in English]. A. V. Malyshev. Zhur. eksp. i teor. fiz. 45 no. 2:316-324 Ag '63.
Use of the directed orbital method in determining the relative position of nucleon associations in the nucleus [with summary in English]. Z. Matikhiz, V. G. Neudachin, IU. F. Smirnov. Zhur. eksp. i teor. fiz. 45 no. 2:107-115 Ag '63.

NUCLEAR PHOTOGRAPHY see Photography, Particle track

NUCLEAR REACTIONS
Angular dependences in multicharged particle production by 75 - 350 Mev. protons [with summary in English] M. M. Makarov. Zhur. eksp. i teor. fiz. 45 no 2:56-63 Ag '63.
Applicability of the doublet symmetry hypothesis at high energies [with summary in English]. V. N. Strel'tsov. Zhur. eksp. i teor. fiz. 45 no. 2:128-129 Ag '63.
Conference on Reactions between Complex Nuclei, held in the United States. V. I. Gol'danskii. Vest. AN SSSR 33 no. 9:65-68 S '63.
Cross section of the Rh^{103} (γ, p) reaction [with summary in English]. B. S. Ishkhanov and others. Zhur. eksp. i teor. fiz. 45 no. 2:38-42 Ag '63.
Empirical behavior of (n, p) reaction cross sections involving 14-15 Mev. neutrons [with summary in English] V. N. Levkovskii. Zhur. eksp. i teor. fiz. 45 no. 2:305-311 Ag '63.
Inelastic interaction of 7.65 Bev. π^- mesons with carbon nucleons and nuclei [with summary in English] G. I. Merzon, I. P. Ivanenko. Zhur. eksp. i teor. fiz. 45 no. 2:18-25 Ag '63.
Partial πN-scattering waves with allowance for $\pi\pi$-interaction [with summary in English] P. S. Isaev, V. I. Lendel, V. A. Meshcheriakov. Zhur. eksp. i teor. fiz. 45 no. 2 294-302 Ag '63
Polarization of Λ^0 hyperons produced in π^-p-interactions at 7 Bev. [with summary in English]. V. A. Bednyakov and others. Zhur. eksp. i teor. fiz. 45 no. 2:90-92 Ag '63.
Production of Λ^0-hyperons by 7-8 Bev. negative π-mesons on hydrogen [with summary in English]. V. A. Bednyakov and others. Zhur. eksp. i teor. fiz. 45 no. 2:88-89 Ag '63.
Shapiro, I. S. [Theory of direct nuclear reactions] Teoriia priamykh iadernykh reaktsii Moskva, Gosatomizdat, 1963. 88 p
Use of the diagram summation method in studying the reaction of deuteron disintegration of nucleons [with summary in English]. V. V. Komarov, A. M. Popova Zhur. eksp. i teor. fiz. 45 no. 2 211-220 Ag '63

NUCLEAR REACTORS
Mel'nikov, N. P. [Constructional types and design methods for nuclear reactors] Konstruktivnye formy i metody rascheta konstruktsii iadernykh reaktorov Moskva, Gosatomizdat, 1963. 518 p

NUCLEAR SHELL THEORY
Quadrupole resonance of atomic nuclei [with summary in English]. V. G. Shevchenko, N. P. Yudin, B. A. Ilyasov Zhur. eksp. i teor. fiz. 45 no 2:160-164 Ag '63

NUCLEAR SPIN
Anomalous resonance spin inversion of a particle in a magnetic field [with summary in English] Ish. A. Simonian, IU. I. Orlov Zhur. eksp. i teor. fiz. 45 no. 2:173-176 Ag '63.
Coherent amplification of spin waves [with summary in English]. A. I. Akhiezer, V. G. Bar'iakhtar, S. V. Peletminskii. Zhur. eksp. i teor. fiz. 45 no. 2 447-454 Ag '63.
Combined resonance in deformed p-Ge. G. E. Gurgenishvili. Fiz. tver. tela 5 no. 8:2070-2071 Ag '63.
Green's thermodynamic functions of an isotropic antiferromagnetic with arbitrary spin. E. Chervonko. Fiz. tver. tela 5 no. 8 2141-2148 Ag '63.
Interacting fields with definite spin [with summary in English]. V. I. Ogievetskii, I. V. Polubarinov. Zhur. eksp. i teor. fiz. 45 no. 2:237-245 Ag '63
Nuclear spin resonance. V. S. Grechishkin, N. E. Ainbinder Usp. fiz. nauk 80 no. 4:597-637 Ag '63.
Spin echo in a local field V. D. Borzyanov, A. I. Chernetsyn, R. A. Dautov Zhur. eksp. i teor. fiz. 45 no. 2: 385-386 Ag '63.

NUCLEI, ATOMIC
Spatial correlation of nucleons in light nuclei [with summary in English]. N. A. Vlasov. Zhur. eksp. i teor. fiz. 45 no. 2:228-230 Ag '63

NUCLEI, ATOMIC—DECAY
Lepton decay of hypernuclei [with summary in English]. V. A. Liul'ka. Zhur. eksp. teor. fiz. 45 no. 2:164-172 Ag '63.

NUCLEIC ACID METABOLISM—CATTLE—PHYSIOLOGY
Nucleic acids and the enzymes ribonuclease, and (2') 3'- ribonucleotidase in the tissues of the digestive tract in cattle. IA. L. Iermanuk. Visnyk sil'hosp. nauky 6 no. 8:114-116 Ag '63.

NUCLEIC ACIDS
Birefringence in deoxyribonucleoproteid solutions in an electric field. E. I. Golub, G. A. Dvorkin Dokl. AN SSSR 151 no. 1:224-226 Jl '63.
Dispersion of the optic rotation of deoxyribonucleic acid isolated from T-2 bacteriophages. G. A. Dvorkin and others. Dokl. AN SSSR 151 no 5:1211-1214 Ag '63
Mechanism of the thermal denaturation of deoxyribonucleic acid. T. I. Tikhonenko and others Dokl. AN SSSR 151 no. 1:237-240 Jl '63.
Nucleic acids and the problem of specific biosynthesis of macromolecules [V. B. Filippovich] Khim. v shkole 18 no. 3 3-15 My-Je '63
Oligonucleotides of the ribonuclease hydrolysate of t-ribonucleic acid containing minor components. T. V. Venkstern and others. Dokl. AN SSSR 151 no. 1,220-223 Jl '63.
Transmission of some biochemical properties in actinomycetes by means of DNA under the conditions of interspecific transformation [with summary in English] B. P. Matselyukh Mikrobiol. zhur. 25 no. 1:3-7 '63.

NUCLEONS
Spatial correlation of nucleons in light nuclei [with summary in English]. N. A. Vlasov. Zhur. eksp. i teor. fiz. 45 no. 2:228-230 Ag '63.

NUCLEOPROTEINS
Changes in the nucleoproteins of spinal ganglia in irradiated animals. V. M. Lavrinenko. Dokl. AN SSSR 151 no. 3:694-696 Jl '63.

NUCLEOTIDES
Oligonucleotides of the ribonuclease hydrolysate of t-ribonucleic acid containing minor components. T. V. Venkstern and others. Dokl. AN SSSR 151 no. 1 220-223 Jl '63.

NUMBERS, COMPLEX
[Aglom, I. M. [Complex numbers and their use in geometry] Kompleksnye chisla i ikh primenenie v geometrii. Moskva, Fizmatgiz, 1963. 191 p.

NUMBERS, PRIME
"Density" of zeros in Dirichlet L-series and the problem of the addition of primes and "almost primes." M. B. Barban. Mat. sbor. 61 no. 1 118-125 Ag '63.
Distribution of "almost primes" in polynomial sequences. B. V. Levin. Mat. sbor. 61 no. 1 389-407 Ag '63.

NUMBERS, THEORY OF
Exponential rational trigonometric sums of a special type. L. P. Usol'tsev. Dokl. AN SSSR 151 no. 1 62-64 Jl '63.
Independent systems of axioms determining integers. V. I. Nechaev. Uch. zap. MGPI no. 188:125-130 '62.
Representation of integers by circulant forms. P. N. Remorov. Uch. zap. Ped. inst. Gerts. 197:16-19 '58.

NUMERATION
The beginnings of numeration. B. V. Gnedenko. Mat. v shkole no. 4:5-10 Jl-Ag '63.

NUREK REGION—ANTIQUITIES
Materials on the archaeological map of Tajikistan. E. A. Urkovich. Trudy Inst. ist. AN Tadzh. SSR 34. Arkheol. rab. v Tadzh. SSR no. 8:144-152 '62.

NURSERY STOCK
(see also subdivision under Polesye)
Mechanized pruning of rootstocks in the nursery. M. D. Kuznetsov. Dokl. TSKHA no. 62 267-268 '61.
Results of the first study of foreign-bred clonal apple rootstocks in a nursery. B. A. Popov. Dokl. TSKHA no. 62 277-285 '61.

NURSES AND NURSING
(see also subdivision under Europe, Western; United States)
Hospital nurse. A. P. Movchan. Med. sestra 22 no. 6: 20-21 Je '63.
Improving the qualifications of senior nurses in rural district hospitals. N. V. Murav'ev. Med. sestra 22 no. 6 16-18 Je '63.
Legal regulation of nurses' vacations. M. M. Truhchanenkov, K. N. Valiaeva. Med. sestra 22 no. 6 57-61 Je '63.
Liubov' Mikhailovna Kamornik. V. A. Akopian. Med. sestra 22 no. 6 41-42 Je '63.
The moral personality of a soviet nurse. A. F. Belikova. Med. sestra 22 no. 6 24-27 Je '63.
New forms of improving the qualifications of nurses and clinical laboratory technicians. A. M. Sachkov. Med. sestra 22 no. 6 13-16 Je '63.
Nurses' councils. Med. sestra 22 no. 6 42-45 Je '63.
Role of nurses in treating children suffering from intestinal toxicoses. S. A. Sviadoshch. Sov. zdrav. Kir. no. 3 53-56 My-Je '63.
Senior nurse of a department. S. A. Sergievskii. Med. sestra 22 no. 6 18-20 Je '63.
Work of a district nurse. A. F. Kuznetsova. Med. sestra 22 no. 6 22-23 Je '63.
Work of a nurse in the department of occupational diseases in the mining industry. M. A. Markin. Med. sestra 22 no. 6 28-30 Je '63.
Work of the nurse in the juvenile department. T. G. Evtishina. Med. sestra 22 no. 6 27-28 Je '63.

URSES AND NURSING—PERIODICALS
Letters to the editor. Med. sestra 22 no. 6 61-63 Je '63.

YAZEPETROVSK—COMMUNITY LIFE
Embellishing life. V. Cherepanov. Part. zhizn' no. 16: 51-53 Ag '63.

'LON
ffect of ultraviolet radiation on the kinetics of creep and deterioration of capron fibers [with summary in English]. V. R. Regel', N. N. Chernyi. Vysokom. soed. 5 no. 6:925-931 Je '63.
ipermolecular structure of capron fibers [with summary in English]. V. A. Berestnev, K. Kh. Razikov, V. A. Kargin. Vysokom. soed. 5 no. 8:1156-1159 Ag '63.

LON—OPTICAL PROPERTIES
'cking down of capron fibers [with summary in English]. M. P. Nosov, V. A. Berestnev. Vysokom. soed. no. 7:1080-1084 Jl '63.

LON—TESTING
ect of the conditions of the medium on spontaneous anges in the anisotropy of unoriented nylon fibers. . P. Nosov, A. A. Vdovichenko, L. N. Pakhomova. Izv. s. ucheb. zav., tekh. tekst. prom. no. 2:19-23 '63.

OAK see subdivision under Maritime Territory

OAT GRASS see subdivision under Otradnoye region (Leningrad Province)

OB' VALLEY—GEOLOGY, STRATIGRAPHIC
Classification of Cretaceous marine facies in the middle Ob' Valley. E. G. Sorokina. Trudy SNIIGGIMS no. 27 63-71 '62.

OBSTETRICS
(see also subdivision under Ukraine)
Moscow. Vtoroi Moskovskii gosudarstvennyi meditsinskii institut. [Modern methods of investigation and treatment in obstetrics and gynecology] Sovremennye metody issledovaniia i lecheniia v akusherstve i ginekologii. Pod red. L. S. Persianinova. Moskva, 1963. 335 p. (Its Trudy) [With summaries in English] (DNLM)
Problems in the organization of obstetrical and gynecological services in rural areas. V. I. Bobukhadila. Ped. akush. i gin. 25 no. 2:40-42 '63.

OBSTETRICS—EXAMINATIONS, QUESTIONS, ETC.
Obstetrics seminar. Fel'd. i akush. 28 no. 2:58 F '63.

OCCUPATIONS—STATISTICS
Vocational distribution of industrial workers. Vest. stat. no. 8:94-96 '63.

OCCUPATIONS, DANGEROUS
Supplementary leave and shorter workday in hazardous occupations. A. Kalinin. Sots. trud 8 no. 6:145-151 Je '63.

OCEAN
"Origin of continents and oceans" by D. G. Panov. Reviewed by G. U. Lindberg. Izv. Vses. geog. ob-va 95 no. 4 381-383 Jl-Ag '63.
Romanovskii, Vsevolod, ed. [The sea. Translated from the French] More. [By] V. Romanovskii i dr. Pod obshchei red. I. P. Mogildovicha. Moskva, Izd-vo inostrannoi lit-ry, 1960. 619 p. (VaU)

OCEAN CURRENTS
Meridional shift below the zero surface. V. S. Latun. Izv. AN SSSR. Ser. geofiz. no. 8:1251-1258 Ag '63.

OCEAN TEMPERATURE see subdivision under Japan Sea

OCEANOGRAPHIC RESEARCH
Recent developments in underwater research disclosed at the Plenum of the Oceanographic Committee. R. B. Mamaeva, V. G. Azhazha. Vest. AN SSSR 33 no. 9: 88-89 S '63.

OCEANOGRAPHY
The sea and books. I. Inozemtsev. Nov. mir 38 no. 9: 272-276 S '62.

OCEANOGRAPHY—BIBLIOGRAPHY see Bibliography—Oceanography

OCTADECANE
Catalytic conversions of high molecular weight paraffins. Report No. 1: Isomerization of n-octadecane in the presence of commercial catalyst WS_2-NiS-Al_2O_3. Kh. IA. Orlov, A. A. Martynov, V. P. Bulychev. Izv. AN SSSR. Ser. khim. no. 8:1638-1641 S '63.

OCTADECENOIC ACID
Unsaturated acids and macrocyclic lactones. Report No. 11: Total synthesis of cis-8-hexadecenoic, cis-11-hexadecenoic (palmitvaccenic), cis-7-octadecenoic, and cis-9-hexacosanoic acids. L. D. Bergel'son and others. Izv. AN SSSR, Ser. khim. no. 8:1417-1421 Ag '63.

OCTANOIC ACID
Systems having the liquid crystalline state. Part 3. Cholesteryl caprylate and cholesteryl caprinate. I. G. Chistiakov and others. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:257-259 '63.

OCTENE
Analysis of isomeric octenes by gas chromatography. M. S. Vigdergauz, M. I. Afanas'ev. Neftekhimiia 3 no. 3 425-429 My-Je '63.

ODESSA—AGRICULTURAL WAGES
Control over wage fund disbursement. V. N. Chepeliuk. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 8:5-7 Ag '63.

ODESSA—BATHS, MOOR AND MUD
"Essays on the history of mud treatment in Odessa" by M. S. Belen'kii. Reviewed by B. M. Broderzon. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:463-464 S-O '62.

ODESSA—CARGO HANDLING
Rapid loading and unloading of ships in the Odessa harbor. IU. L. Gekhman, S. S. Shvarts. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:86-87 '62.

ODESSA—SEAMEN
As seen by foreign sailors. V. Maslennikov. Mor. komm. no. 8:104-105 Ag '63.

ODESSA PROVINCE—AGRICULTURE—PRODUCTION STANDARDS
Establishing norms and the scientific organization of labor in agriculture. M. Braslavets', B. Khotsianovych. Ekon. Rad. Ukr. no. 4:50-53 Jl-Ag '63.

ODESSA PROVINCE—GRAIN HANDLING
Some notes on the project of a continuous corn receiving and processing line. I. Botko. Muk.-elev. prom. 29 no. 3:19 Mr '63.

ODESSA REGION—ELECTRIC POWER PLANTS—LABOR PRODUCTIVITY
From the editor's mail. Sots. trud 8 no. 6:135-137 Je '63.

OFFENSES AGAINST SOCIALIST PROPERTY
Investigating the overestimation of the volume and cost of construction work. Z. Baranova, L. Sergeev. Sots. zakon. 40 no. 7 50-53 Jl '63.
Let us intensify our struggle against the pilfering of state property. A. Zhukov. Sots. zakon. 40 no. 7 10-14 Jl '63.
Soviet police, public prosecutors, and arbitration agencies should coordinate their struggle against the pilfering of delivered goods. N. Abramov. Sots. zakon. 40 no. 6:28-31 Je '63.

OFFICE EQUIPMENT AND SUPPLIES
Introducing mechanical processing of production documentation. G. S. Guseev, V. I. Semenenko. Vest. mashinostr. 43 no. 8:85-87 Ag '63.

OIL CAKE see subdivision under Khabarovsk

OIL CAKE—ELECTRIC PROPERTIES
Dielectric properties of the oil cake. V. M. Bocharnikov. Masl.-zhir. prom. 29 no. 7:12-13 Jl '63.

OIL FIELD BRINES—ANALYSIS see subdivision under Apsheron Peninsula

OIL FIELD FLOODING
Multichannel device for measuring the volume of injected water. E. McGhee. Neftepromdelo no. 3:41 '63.

OIL FIELDS—EQUIPMENT AND SUPPLIES
Perfect equipment for oil fields. V. I. Roshchupkin. Bezop. truda v prom. 7 no. 7:12-14 Jl '63.

OIL FIELDS—FIRES AND FIRE PREVENTION see subdivision under Chechen-Ingush A. S. S. R.

OIL FIELDS—PRODUCTION METHODS see Petroleum production

OIL HYDRAULIC MACHINERY
Attachments with a hydraulic fastening drive. IU. I. Kuznetsov. Mashinostroitel' no. 7 20-22 Jl '63.
Modernization of the oil supply unit for a rotating hydraulic cylinder. V. T. Kozlovin. Stan. i instr. 34 no. 7 36-37 Jl '63.

OIL HYDRAULIC MACHINERY—TESTING
Investigation of internal processes of compound hydraulic torque converters. O. A. Terent'ev. Vest. mashinostr. 43 no. 8:30-37 Ag '63.

OIL INDUSTRIES see subdivision under Tajikistan

OIL INDUSTRIES—BY-PRODUCTS
Separation of phytosterols from the wastes of oil deodorization. N. I. Kozin, M. S. Kastornykh. Masl.-zhir. prom. 29 no. 7:21-22 Jl '63.

OIL INDUSTRIES—EQUIPMENT AND SUPPLIES
Spout guards in oilseed storages. V. V. Bukharin. Masl.-zhir. prom. 29 no. 7:42-43 Jl '63.

OIL RESERVOIR ENGINEERING
Analyzing the development of an oil pool in water drive by the material balance method. T. L. Irby and others. Neftepromdelo no. 3:33-36 '63.
Shvidler, M. I. [Filtration flows in nonhomogeneous media] Filtratsionnye techeniia v neodnorodnykh sredakh. Moskva, Gostoptekhizdat, 1963. 134 p.

OIL SANDS
(see also subdivision under Apsheron Archipelago)
Concerning the book by A. A. Khanin "Reservoirs in oil and gas fields of the U. S. S. R." Z. S. Ibragimov. Razved. i okh. nedr 29 no. 7:61-62 Jl '63.

OIL SANDS—PERMEABILITY see subdivision under Kuban

OIL WELL CASING—CORROSION
Device for determining the degree of corrosion of castings. S. G. Stroud, C. A. Fuller. Neftepromdelo no. 3: 39-41 '63.

OIL WELL DRILLING
(see also subdivision under Bashkiria; Orenburg Province)
For safe well drilling. I. N. Bagirov. Bezop. truda v prom. 7 no. 7:15-16 Jl '63.

OIL WELL DRILLING, SUBMARINE

All-Union Conference on the Effect of Sea Waves on Hydraulic Structures, held at Baku. I. P. Kuliev, A. M. Ibragimov. Vest. AN SSSR 33 no. 9:90-92 S '63.

OIL WELL DRILLING FLUIDS

Aggregation in drilling clay suspensions. V. IU. Tretinnik, F. D. Ovcharenko Ukr. khim zhur. 29 no. 5:487-491 '63

New drilling fluids and chemical reagents for oil well drilling. Inform. biul. VDNKH no. 7:10-11 Jl '62

OIL WELL LOGGING

Estimation of the reservoir properties of layers from the results of geophysical studies of wells. S. G. Komarov. Prikl. geofiz. no. 36:195-213 '63.

Using caliper log data for dividing carbonate sediments. V. N. Dakhnov. Geol. nefti i gaza 7 no. 6:52-56 Je '63.

OIL WELL LOGGING, ELECTRIC

Layers with low resistivity. N. N. Sokhranov. Prikl. geofiz. no. 36:219-232 '63.

OIL WELL PUMPS see subdivision under Lvov Province

OIL WELLS—MAINTENANCE AND REPAIR

In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the All-Union Central Council of Trade Unions Sots. trud 8 no. 6:152 Je '63.

Institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti. [Underground repair of oil wells; survey of foreign literature] Podzemnyi remont neftianykh skvazhin, obzor zarubezhnoi literatury. Sost. S. M. Gadiev i I. A. Lazarevich. Moskva, 1963 143 p [MICROFILM]

OILS AND FATS

Continuous deodorization in a circulating flow. V. Kezo. Masl.-zhir. prom. 29 no. 7:41-46 Jl '63.

Final distillation of the micelle in the running out film V. V. Belobolodov. Masl.-zhir prom 29 no 7:4-11 Jl '63.

Lovenko, P. I. [Experimental use of "Zhiramol" in leather fat-liquoring] Opyt primeneniia zhiramola pri shirovanii kozh. Moskva, Gislegprom, 1963. 42 p.

OINTMENTS

Treatment of superficial yeast lesions of the skin with sodium caprilate ointment. I. I. Potolskii and others. Vrach. delo no. 8:136-137 Ag '63.

OKTYABR'SKAYA REVOLYUTSIYA ISLAND—ICE

Features of the ice cover of the northeastern part of Oktyabr'skaya Revolyutsiya Island. I. V. Semenov. Probl. Arkt. i Antarkt. no. 13:113-117 '63.

OLD AGE

Soveshchanie po voprosam starosti i dolgoletiia, Moscow, 1960. [Problems of old age and longevity] Problemy dolgoletiia, trudy. Moskva, Izd-vo Akad. nauk SSSR, 1962. 225 p. (DBC)

OLEFINS

Conversions of olefins in the presence of metal oxides. IA. T. Eldus, B. K. Nefedov. Usp. khim. 32 no. 9:1025-1051 S '63.

Organoboron compounds. Report No. 119: Action of boron tribromide on olefinic hydrocarbons. B. M. Mikhailov, M. E. Nikolaeva. Izv. AN SSSR, Ser. khim. no. 8:1368-1373 Ag '63.

Reactions of fluorinated olefins. Report No. 17: Competing conjugation in perfluoroalkenylphosphinic esters. I. L. Knunyants, E. IA. Pervova, V. V. Tuleneva. Izv. AN SSSR, Ser. khim. no. 9:1576-1583 S '63.

Ways of synthesizing some higher olefins (discussion). Al. A. Petrov. Neftekhimiia 3 no. 3:430-435 My-Je '63

OLENEGORSK REGION—ORE DRESSING

Introduction of new equipment and improvement of the technology of ore dressing in the Olenegorsk Plant. L. T. Ozolin Gor. zhur no. 8 53-57 Ag '63

OLENEK VALLEY—WATER—ANALYSIS

Microconstituents in the natural waters of the Olenek basin. M. N. Kosolapova. Trudy IAFAN SSSR. Ser. geol. no. 16:56-74 '63.

OLEOTHORAX

Residual roentgenotomographic changes in pulmonary tissue following discontinuance of extrapleural pneumo- and oleothorax. V. D. IAmpol'skaia. Probl. tub. 41 no. 3:84 '63.

OLIVINE DIABASE see subdivision under Ingulets River

OL'MINSKII, M., pseud. see Aleksandrov, Mikhail Stepanovich, 1863-1933

OLYMPIC GAMES

Rules of the All-Union Contest for the Candidates to the Olympic Team of the U.S.S.R. Teor. i prak. fiz. kul't. 28 no. 6:78-79 Je '63.

OMISSION, CRIMINAL

Objective grounds for and the limits of criminal responsibility for the results of criminal omission. A. S. Gorelik. Izv. vys. ucheb. zav., prav. 7 no. 2:102-111 '63.

OMSK—CONSTRUCTION EQUIPMENT

First but confident steps. P. Litvinov. NTO 5 no. 6:52-53 Je '63.

OMSK—RELIGION

A man was saved! F. Berezovskaia. Komsom. zhizn' no. 15/16:52-53 Ag '63.

OMSK—TIRES, RUBBER

Every shock worker of communist labor should be a researcher. V. Loboda. NTO 5 no. 6 7-8 Je '63.

OMSK PROVINCE—GRAIN

New and advanced practices in production. L. A. Gingoleva. Zemledelie 25 no. 9:84-87 S '63.

OMSK PROVINCE—PUBLIC HEALTH

Review of M. E. Poltakova's book "Social forms in the activity of public health agencies in Omsk Province." B. D. Petrov. Zdrav. Ros. Feder. 7 no. 7:35-36 Jl '63.

ONCOLOGY

From the history of native oncology. V. M. Korneev, L. V. Mikhailova. Sov. zdrav. 22 no. 6:55-61 '63.

ONCOLOGY—ABSTRACTS

[General problems of pathology, Oncology] Ref. zhur.: Ob. vop. pat. Onk. no. 19 O '63.

ONCOLOGY, EXPERIMENTAL

Use of the method of adsorption on erythrocytes in the study of tumor viruses and specific tumor antigens L. A. Liudogovskaia, L. V. Shershul'skaia. Vop. onk 9 no. 2:118-126 '63.

ONEGA LAKE REGION—SANDSTONE

Structure of differential sliding in quartzite sandstones of Jotner strata in the Lake Onega region. A. V. Kopelovich, I. M. Simanovich. Dokl. AN SSSR 151 no. 3:675-678 Jl '63.

ONIONS—DISEASES AND PESTS see subdivision under Trans-Ili Alatau

ONTOGENY

Longevity of man in the light of comparative ontogenetic data. I. A. Arshavskii. Vop. antr. no. 12:72-91 '62.

ONTOGENY (BOTANY)

Plant life cycles, their relations and evolution G. G. Levin. Bot. zhur 48 no. 7 1039-1059 Jl '63

OPEN-CUT MINING see Strip mining

OPEN-HEARTH FURNACES

Production of 18KhNT and 15KhGNTA steel in open-hearth furnaces. O. IA. Vainshtein and others. Stal' 23 no. 7:621-623 Jl '63.

Review of the book by V. V. Leporskii and others "Tilting open-hearth furnaces." I. N. Lur'e. Stal' 23 no. 8 718-719 Ag '63

Steel production in tilting open-hearth furnaces at the "Azovstal'" plant. P. M. TSvetkov, G. F. Shatskov. Stal' 23 no. 8, 713-714 Ag '63.

OPEN-HEARTH FURNACES—DESIGN AND CONSTRUCTION

Characteristics of the procedure for converting phosphorous pig iron in redesigned open-hearth furnaces operating on natural gas. F. F. Sviridenko, P. T. Krivenko, N. T. Vistorovskii. Stal' 23 no. 8 700-704 Ag '63.

Firing mazut-type open-hearth furnaces with self-carburetting natural gas. I. I. Kobeza. Vop. proizv. stali no. 9:3-12 '63.

Improving the cone of flame in transferring mazut-type open-hearth furnaces to firing with natural gas. V. IA. Koniukh. Vop. proizv. stali no. 9:13-20 '63.

Improving heat processes in open-hearth furnaces. K. A. Grebent. Vop. proizv. stali no. 9:29-45 '63.

Improving individual elements of high-capacity, tilting open-hearth furnaces. V. V. Leporskii and others. Stal' 23 no. 8 716-717 Ag '63

Intensification of steelmaking in open-hearth furnace plants. V. P. Pogorelyi, N. M. Korkoshko, G. S. Kolganov. Stal' 23 no. 7:606-607 Jl '63.

Redesign of open-hearth furnaces. E. P. Pokotilo, M. M. Khil'ko. Vop. proizv. stali no. 9:46-50 '63.

Using heat-resistant concrete in the elements of bricklaying of open-hearth furnaces. V. I. Shakhlin and others. Ogneupory 28 no. 8:364-367 '63.

OPEN-HEARTH FURNACES—EQUIPMENT AND SUPPLIES

Operation of industrial equipment for the treatment of cast iron in ladles V. V. Leporskii, P. N. Slepkanov, E. R. Kataman. Stal' 23 no. 8:715 Ag '63.

OPEN-HEARTH FURNACES—MAINTENANCE AND REPAIR

Rapid methods of heating and fritting the hearth bottom of high capacity open-hearth furnaces. G. A. Petrov and others. Stal' 23 no. 7:611-615 Jl '63.

Rapid repair of the hearth bottom fritting of tilting open-hearth furnaces. V. A. Kostanik and others. Stal' 23 no. 8 707-710 Ag '63.

OPEN-HEARTH PROCESS

Desulfuration of open-hearth steel by liquid synthetic slag. E. S. Kalinnikov. Izv. vys. ucheb. zav., chern. met. 6 no. 7:65-69 '63.

Kinetics of melting the metallic part of the charge in open-hearth furnaces during the scrap and hot-metal process. V. I. Akinfiev. Izv. vys. ucheb. zav., chern. met. 6 no. 7:52-58 '63.

Slag conditions during melting in high-capacity open-hearth furnaces. V. A. Shcherbakov, L. V. Abrosimov. Izv. vys. ucheb. zav.; chern. met 6 no. 7:59-61 '63.

OPEN-HEARTH PROCESS—TECHNOLOGICAL INNOVATIONS see subdivision under Dneprodzerzhinsk

OPERA see subdivision under White Russia

OPERATIVE SURGERY see Surgery, Operative

OPERATORS (MATHEMATICS)

Complete continuity and strong continuity of Urysohn integral operators. Yan Shen-yan [Wang Sheng-wang] Dokl. AN SSSR 151 no. 5 1010-1013 Ag '63

Example of a completely continuous integral operator acting from L_p on L_p and having a positive kernel not belonging to L_r ($r > 1$). D. V. Salekhov. Usp. mat. nauk 18 no. 4:179-182 Jl-Ag '63

Expansion of linear and nonlinear differential operators in real cofactors. Part I. V. IA. Skorobogat'ko Ukr. mat. zhur. 15 no. 3:217-223 '63

Meaning of the mean $\langle a^1_0 a_0 \rangle$. G. F. Zil'berman, Izv. vys. ucheb. zav., fiz. no. 4:136-141 '63.

Necessary and sufficient conditions for the comparability of operators. P. N. Kniazev. Usp. mat. nauk 18 no. 4: 151-153 Jl-Ag '63.

Smoothness of the resolvent of an elliptic operator up to the boundary of the nuclear region IU. M. Berezanskii, IA. A. Roitberg. Ukr. mat. zhur 15 no. 2 185-189 '63

Solution of non-self-adjoint equations by the variational method. V. M. Shalov. Dokl. AN SSSR 151 no. 3 511-512 Jl '63.

Some properties of completely bounded linear operators. D. A. Raikov. Uch. zap. MGPI no. 180 171-191 '62.

Spectral function of a self-adjoint operator in a space of indefinite metric. M. G. Krein, G. K. Langer. Dokl. AN SSSR 152 no. 1:39-42 S '63.

Sum of differences between the eigenvalues of two singular Sturm-Liouville operators. M. G. Gasymov, B. M. Levitan. Dokl. AN SSSR 151 no. 5:1014-1017 Ag '63.

Trace formula and Selberg's zeta function in certain symmetrical spaces. S. G. Gindikin. Uch. zap. MGPI no. 186:23-53 '62.

OPHIOLITES see subdivision under Kazakhstan

OPHTHALMOLOGY

New trends in ophthalmological techniques. R. M. Tamarova Nov. med. tekh. no. 4:20-29 '61

OPHTHALMOSCOPY

Photographic method of investigating and registering visual fixation in amblyopia. E. S. Avetisov, V. F. Kagan. Uch. zap. GNII glaz. bol. no. 8:241-247 '63.

OPTIC CHIASM

Induced potentials of the optic chiasm in rabbits during stimulation of the eye with a single light flash [with summary in English]. T. G. Beteleva. Zhur. vys. nerv. deiat 13 no. 2 291-300 Mr-Ap '63.

OPTIC NERVE

Comparative evaluation of different methods of investigating the functional state of the visual analyzer in cataracts [with summary in English]. V. L. Smol'ianinova, A. I. Bogoslavskii, R. A. Garkavi. Uch. zap. GNII glaz. bol. no. 8:17-39 '63.

OPTIC NERVE—DISEASES

Results of objective perimetry in pathology of the optic nerve and central parts of the retina [with summary in English]. D. I. Mitkokh. Uch. zap. GNII glaz. bol. no. 8: 201-208 '63.

OPTICAL GLASS see Glass, Optical

OPTICAL INSTRUMENTS

Calculation of an aplanatic system composed of two nonspherical surfaces of a higher order M. M. Rusinov. Izv. vys. ucheb. zav.; prib. 6 no. 3:115-117 '63

Use of quartz glass in manufacturing instruments for spectrum analysis. M. S. Gomel'skii and others Dokl. AN BSSR 6 no. 12:772-776 D '62.

OPTICAL INSTRUMENTS—ABSTRACTS

[Precision mechanics, optics, and testing apparatus] Ref. zhur.: Tech. mekh., opt. i isp. app. no. 10 O '63.

OPTICAL PROPERTIES OF MATERIALS

Brightness of differently oriented leaves. I. A. Shul'gin and others. Nauch. dokl. vys. shkoly; biol. nauki no. 3:150-156 '63.

OPTICS—BIBLIOGRAPHY see Bibliography—Optics

OXIDES

Catalytic cleavage of organic oxides N. I. Shuikin, V. V. An. Izv. AN SSSR, Ser. khim no. 8 1478-1483 Ag '63.

OXIDES—TESTING

Certain thermal properties of ceramics made [illegible] oxides L. S. Lukin, D. N. Poluboyarinov. Ogneupory 28 no. 7 318-323 '63.

OXONIUM COMPOUNDS

Polarographic study of the kinetics of recombination of trimethine acid anions with hydroxonium ion. IA. I. Turkan, IU. A. Vakhrushev. Zhur. fiz. khim. 37 no. 8 1621-1623 Ag '63.

OXYGEN

Kinetics and mechanism of liquid phase oxidation of cyclohexane by molecular oxygen. Part 3. Kinetics of decomposition of cyclohexyl hydroperoxide. V. G. Berezin, N. P. Lisitsa, Neftekhimiia 3 no. 2 257-268 Mr-Ap '63.

Preparation of glutaric acid by the oxidation of cyclopentanone with oxygen. V. B. Fal'kovskii and others. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2 344-345 '63.

Synthesis of ozone from nitrogen-oxygen mixtures at elevated temperatures. IU. N. Zhitnev, IU. V. Filippov. Vest. Mosk. un. Ser. 2 Khim. 18 no. 4 36-38 Jl-Ag '63.

OXYGEN—ANALYSIS

Amperometric method for the determination of oxygen in water [from summary in English]. V. M. Kuturin. Zhur. anal. khim. 18 no. 6 760-768 Je '63.

OXYGEN—INDUSTRIAL APPLICATIONS

Improving the technology of smelting and pouring stainless steel. F. B. Prokhorenko and others. Vop. proizv. stali no. 6 51-64 '63.

Transfer to oxygen-blown smelting of the Almalyk Copper Smeltery and an increase in its capacity. V. I. Zubirev, V. I. Beregovskii, I. V. Figurkov. TSvet. met. 36 no. 8 6-9 Ag '63.

OXYGEN—THERMODYNAMIC PROPERTIES

Thermodynamic properties of dissociated hydrogen and oxygen [with summary in English]. P. M. Kessel'man, V. A. Rabinovich. Inzh.-fiz. zhur. 6 no. 7 43-49 Jl '63.

OXYGEN THERAPY

Oxygen consumption in patients with thyrotoxicosis and the effect of oxygen therapy. D. G. Khomenko. Vrach. delo no. 6:125-126 Je '63.

Oxygen therapy in nocturnal enuresis. I. P. Sokolinskii. Fel'd. i akush. 28 no. 2 15-20 F '63.

Use of oxygen in local treatment of trophic ulcers of the lower extremities in case of varicose veins. S. I. Kaltmitskii, V. N. Fedash. Zdravookhranenie 6 no. 1 51-53 Ja-F '63.

OZONE

Synthesis of ozone from nitrogen-oxygen mixtures at elevated temperatures. IU. N. Zhitnev, IU. V. Filippov. Vest. Mosk. un. Ser. 2 Khim. 18 no. 4 36-38 Jl-Ag '63.

PACIFIC OCEAN—FERROMANGANESE

Determination of the age of iron-manganese concretions of the Indian and Pacific Oceans [with summaries in English]. D. S. Nikolaev, E. I. Efimova. Geokhimiia no. 7 678-688 Jl '63.

PACIFIC OCEAN—ISOPODA

IA. A. Birshtein's "Deep-sea isopods of the northwestern part of the Pacific Ocean". Reviewed by O. G. Kusakin. Zool. zhur. 42 no. 8:1278-1280 '63.

PACIFIC OCEAN—ORE DEPOSITS

Rates of mineralization of suspended organic matter in the low latitudes of the Pacific Ocean in its presedimentation stage [with summary in English]. S. V. Bruevich. Geokhimiia no. 3 329-332 Mr '63.

PACIFIC OCEAN—ORGANIC MATTER

Rates of mineralization of suspended organic matter in the low latitudes of the Pacific Ocean in its presedimentation stage [with summary in English]. S. V. Bruevich. Geokhimiia no. 3 329-332 Mr '63.

PACIFIC OCEAN—SEA BIRDS

Distribution of some species of sea birds in the North Pacific [with summary in English]. E. N. Kurochkin. Zool. zhur. 42 no. 8:1223-1231 '63.

PACKED TOWERS

Laboratory towers and packing for fractional distillation of mixtures of liquids. V. I. Kovalenko, K. S. Lemishchenko, T. I. Bidenko. Sbor. nauch. trud. KGRI no. 7:322-330 '59.

PACKING (MECHANICAL ENGINEERING)

Resistance of a large packing layer in a nonisothermal stream. A. M. Sychova, N. N. Egorov. Khim. i tekh. topl. i masel 8 no. 8:10-16 Ag '63.

Wood packing for hydraulic presses and pumps. I. A. Shashkin. [Nauch. trudy] ENIKMASha 6:70-80 '63.

PAFFENGOL'TS, KONSTANTIN NIKOLAEVICH, 1893-

Seventieth birthday of Konstantin Nikolaevich Paffengol'ts. Izv. AN Arm. SSR, Geol. i geog. nauki 16 no. 2-3-6 '63.

PAINT

Paint against dust. M. Shpagin. Izobr. i rats. no. 7:15-16 '63.

Use of surface active agents in the grinding of carbon black in alkyd binding substances. M. A. Chupeev and others. Lakokras. mat. i ikh prim. no. 3 77-78 '63.

Using the desorption method for the bleaching of barite. N. V. Kirchner, T. S. Ostroumova. Lakokras. mat. i ikh prim. no. 3 23-25 '63.

PAINT INDUSTRY

Basic trends in the design and planning of new and reorganization of existing condensation resin shops. IA. I. Stul'. Lakokras. mat. i ikh prim. no. 3 62-64 '63.

PAINT INDUSTRY—EQUIPMENT AND SUPPLIES

Dynamic characteristics of a reactor with organosilicon heat exchanger for the synthesis of alkyd resins. E. B. Mansurov, L. V. Papunyrova. Lakokras. mat. i ikh prim. no. 3 65-67 '63.

Equipment for the purification of paint materials and semiprocessed products, brief review of foreign literature. V. E. Beliavskii, G. A. Ermakova. Lakokras. mat. i ikh prim. no. 3 82-89 '63.

PAINT MATERIALS

Iskra, E. V., and E. S. Gurevich. [Modern ship paints; a review] Sovremennye sudovye kraski, obzor. Leningrad (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serila Zashchitnye pokrytiia)
Pts 1-2. 1963

PAINTERS, RUMANIAN

Masters of Rumanian art. E. Fal'kov. Iskusstvo 26 no. 5 69-70 '63.

PAINTERS, UKRAINIAN

Splendor of the beauties of nature. Ukraina no. 15:8 Jl '63.

PAINTING

Kiev. Derzhavnyi muzei rosiis'koho mystetstva. [Kiev. State Museum of Russian Art, paintings] Kyivs'kyi Derzhavnyi muzei rosiis'koho mystetstva, zhyvopys. [Kyiv, Derzh. vyd-vo obrazotvorchoho mystestva i muzychnoi lit-ry URSR, 1962] xxix p. 95 plates (in portfolio)
(MiD)

Mochalov, L. V. [The artists, the painting, the viewer; talks about painting] Khudozhnik, kartina, zritel, besedy o zhivopisi. Leningrad, "Khudozhnik RSFSR," 1963. 142 p. illus.

PAINTING—TECHNIQUE

About the culture of painting. N. Volkov. Iskusstvo 26 no. 5 20-27 '63.

PAINTING, HUNGARIAN

Garas, Klara. [Hungarian painting of the 18th century] Translated from the Hungarian] Zhivopis' Vengrii v XVIII veke. Budapest, Izd-vo Akad. nauk Vengrii, 1957. 190 p. illus.

PAINTING, INDUSTRIAL

Answering queries on the application of paint materials. I. P. Lebit. Lakokras. mat. i ikh prim. no. 3 79 '63.

A hero of labor heads the brigade. Stroitel' 9 no. 5:19, 22 My '63.

Styrene-butadiene paints for outdoor painting. V. M. Kobetskaia. Lakokras. mat. i ikh prim. no. 3 16-18 '63.

PAINTING, INDUSTRIAL—EQUIPMENT AND SUPPLIES

Experimental plant for degreasing and painting of products. M. P. Subbotina. Lakokras. mat. i ikh prim. no. 3 67-69 '63.

PAINTINGS
(see also subdivision under Moscow)

Moscow. Gosudarstvennaia Tret'iakovskaia Gallereia. [Reproductions] Reproduktsii. [Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi literatury URSR, 1962] 21 plates (in portfolio)
(CaOTU)

PAINTINGS—CONSERVATION AND RESTORATION

Restoration of oil paintings. Z. Cherkasova. Iskusstvo 26 no. 5 65-67 '63.

PAINTINGS, GEORGIAN

Meetings in Tiflis. Dm. Moldavskii. Zvezda no. 6:154-163 Je '62.

PAINTINGS, UKRAINIAN—EXHIBITIONS

Workingmen are the heroes of our painters' works. O. Horbenko. Ukraina no. 20:8 Ag '63.

PAKISTAN—ECONOMIC ASSISTANCE, AMERICAN

How much does Uncle Sam's "aid" cost Pakistan? I. Pestov. Nar. khoz. Uzb. 5 no. 8:77-79 Ag '63.

PALEOBIOLOGY see subdivision under Kazakhstan

PALEOBOTANY

Khrishtofovich, A. N. [Selected works] Izbrannye raboty. Moskva, Izd-vo Akad. nauk SSSR, 1959-62.
Vol 1. [Theoretical works] Teoreticheskie raboty.
Vol 2. [Geologic, stratigraphic, and paleobotanic works] Geologicheskie, stratigraficheskie i paleobotanicheskie raboty.
(RPB)

PALEOBOTANY, STRATIGRAPHIC see subdivision under Dzhungarian Alatau, Jaman-Kul', Lake, Soviet Central Asia, Tigil' region, Tungay Gates

PALEOCLIMATOLOGY

Significance of continental drift for paleoclimatic [illegible] IU. M. Sheinmann. Biul. MOIP, Otd. geol. 38 no. 3 11 My-Je '63.

PALEOGEOGRAPHY see subdivision under Arctic sea, Caspian Sea region, Pechora Valley; Russian Platform, Siberia, Western

PALEOGEOGRAPHY, STRATIGRAPHIC see subdivision under Maykyuben' Basin

PALEONTOLOGICAL SOCIETIES

Ninth session of the All-Union Paleontological [illegible] D. L. Stepanov. Sov. geol. 6 no. 8 178-182 Ag '63.

Resolutions of the ninth session of the All-Union Paleontological Society. Sov. geol. 6 no. 8 183-184 Ag '63.

PALEONTOLOGY see subdivision under Khanty-Mansi [illegible]

PALEONTOLOGY, STRATIGRAPHIC
(see also subdivision under Bayanaul region; Daghestan, Dzhida Valley; Georgia; Loukhaya Valley; Salair Ridge)

Tom'-Chumysh layers in the Salair Ridge and their analogues in Western Europe and the U.S.S.R. K. V. Mironova. Trudy SNIIGGIMS no. 23:131-139 '63.

PALLADIUM

Effect of the addition of palladium on the rate of the action of solid acetates with hydrogen sulfide. N. N. Buntin, V. N. Neustroeva. Izv. TPI 111 121-124 '63.

PALLADIUM CATALYSTS

Catalytic reduction of p-benzoquinone by carbon [illegible] oxide in the liquid phase. V. A. Golodov, A. N. Pen'kina, D. V. Sokol'skii. Dokl. AN SSSR 151 no. 3 608-611 Jl '63.

PALLADIUM CHLORIDE

Interaction between propylene and palladium chloride in acetic acid solutions. I. I. Moiseev, A. N. Pen'kina, IA. K. Syrkin. Izv. AN SSSR, Ser. khim. no. 8:1527-1533 Ag '63.

PALLADIUM COMPOUNDS

Equilibrium of complex-forming processes between palladium chloride and ethylene in aqueous solutions. I. I. Moiseev, M. N. Vargaftik, IA. K. Syrkin. Dokl. AN SSSR 152 no. 1:147-150 S '63.

PALLADIUM-COPPER ALLOYS see Copper-palladium alloys

PALLADIUM-SILVER ALLOYS—OPTICAL PROPERTIES

Optical properties of diluted solid solutions palladium - silver and rhodium - platinum. L. E. Lokshina, Ye. V. Penkina. Trudy Inst. met. no. 15:58-64 '63.

PALYNOLOGY
(see also subdivision under Kolva Valley, Komi A.S.S.R.; Kuznetsk Basin; Lakhtinskiy region)

New effective ultrasonic method for a large-scale treatment of rock samples for the spore-pollen analysis. N. A. Shvedov. Sbor. st. po paleont. i stratigr. no. 28:93-94 '62.

PALYNOLOGY—CONGRESSES

All-Union Palynological Conference held in Novosibirsk on December 11-15, 1962. L. A. Kuprianova. Bot. zhur. 48 no. 7 1088 Jl '63.

PAM

Pharmacology of pyridinealdoximes [with summary in German]. E. Hauschild, W. D. Wiczorek. Dtsch. zschr. Inst. farm. i khimiotor. AMN SSSR 3:158-166 '63.

PAMIRS—ANTIQUITIES

Excavations of burial mounds in the eastern Pamirs in 1960. B. A. Litvinskii, M. A. Bubnova. Trudy Inst. ist. AN Tadzh. SSR 34. Arkheol. rab. v Tadzh. SSR no. 8:27-34 '62.

PAMIRS—BRONZE AGE

Excavations of monuments of the primitive commune system in the eastern Pamirs in 1960. V. A. Ranov. Trudy Inst. ist. AN Tadzh. SSR 34. Arkheol. rab. v Tadzh. SSR no. 8:6-26 '62.

PAMIRS—FORTIFICATION, PRIMITIVE

Archaeological explorations in the western Pamirs in 1960. A. Babaev. Trudy Inst. ist. AN Tadzh. SSR 34. Arkheol. rab. v Tadzh. SSR no. 8:55-68 '62.

PAMIRS—GERMINATION

Biology of newly collected seeds of plants in the Pamir Highland [with summary in English]. A. P. Stesheniak. Bot. zhur. 48 no. 7 965-978 Jl '63.

PAMIRS—SEEDS

Biology of newly collected seeds of plants in the Pamir Highland [with summary in English]. A. P. Stesheniak. Bot. zhur. 48 no. 7:965-978 Jl '63.

PAMIRS—STONE AGE

Excavations of monuments of the primitive commune system in the eastern Pamirs in 1960. V. A. Ranov Trudy Inst. ist. AN Tadzh. SSR 34. Arkheol. rab. v Tadzh. SSR no. 8:6-26 '62

PANCHANKA, PIMEN EMEL'IANAVICH, 1917-

Eternal fire. An. Shaunia Belarus' 20 no 5:29 My '63.

PANCREAS

Exocrine and endocrine function of the pancreas in chronic diseases of the liver and bile ducts [with summary in English]. E. P Kulakova. Terap arkh 35 no. 1, 13-19 Ja '63.

Higher nervous activity in dogs and the sugar level of blood under conditions of a changed pathway of the discharge of hormones of the pancreas into the system of the portal vein A A Abidov. Uzb biol. zhur 7 no 3 42-44 '63.

PANCREAS—DISEASES

Diagnosis of acute pancreatitis under polyclinical conditions. D. A. Kertsman. Vrach. delo no. 6:132-134 Je '63

Pancreatic function in lambliasis N. A. Birg Kaz. med zhur no. 3 31-32 My-Je '63

Surgical technique in acute pancreatitis and cholecystopancreatitis P V Kravchenko, V E Volkov. Kaz med zhur no 3 28-30 My-Je '63.

PANFILOV, FEDOR DMITRIEVICH, 1856-1940

At Il'ich's behest. T. Kolliak. Ukraina no. 11 3 Jl '63.

PANOVA, VERA FEDOROVNA, 1905-

Affairs of simple people, on the works of Vera Panova. L. Plotkin. Zvezda no. 6:192-201 Je '62.

PANTICAPAEUM—SCULPTURE, GREEK

Head of Aphrodite from Panticapaeum. N. Loseva. Iskusstvo 26 no. 5 68-69 '63.

PAPAMAVROS, MIKHALIS

Valuable work of a Greek educator and patriot. K. IA. Mikhalidis. Sov. pedag. 27 no. 7 137-141 Jl '63.

PAPAVERINE

Role of changes in cardiac energetics in the coronarodilating effect of papaverine and euphyllin [with summary in English] I E. Kisin Uch. zap. Inst farm i khimieter. AMN SSSR 3 278-291 '63.

PAPER—DRYING

The energy factor in increasing the vapor pressure for the intensification of paper drying. V. N. Belousov. Trudy LTITSBP no. 8:146-152 '61.

PAPER CHROMATOGRAPHY

"Paper chromatography." Reviewed by V V. Rachinskii. Zav. lab. 29 no. 8:1024 '63.

Quantitative photometric microdetermination of saturated high molecular weight fatty acids following separation by the chromatographic method [with summary in English] E K Alimova and others Zhur anal khim 18 no 6 769-772 Je '63

PAPER INDUSTRY—FINANCE see subdivision under Kirov Province

PAPER INDUSTRY—TERMINOLOGY

Analyzing the terminology of the pulp and paper industry, from English and German sources. E. M. Mel'tser, A IA Eliashberg, E. M. Andromikova. Trudy LTITSBP no. 8 200-208 '61.

PAPERBOARD—DRYING

Calculation of radiation and convection dryers for waterproof cardboard. P. A. Zhuchkov. Trudy LTITSBP no. 8:153-155 '61.

PAPERMAKING MACHINERY

Bending and camber of rolls with hinge-type fastening in two cross sections. I. IA. Eidlin. Trudy LTITSBP no. 8:129-134 '61.

Ivanitskii, IU. P. [Corrugator machines] Gofrirovat'nye mashiny. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1962. 33 p (Bumaga i tsellioloza)

[MICROFILM]

Modern concepts of mechanical phenomena during beating; theory of the work of rolls. N. P. Pereskal'skii, V. F. Filatenkov. Trudy LTITSBP no. 8:5-18 '61.

Table rolls of the papermaking machine. N. E. Novikov. Trudy LTITSBP no. 8:135-139 '61.

TSentral'nyi institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshlennosti. [Modernization of high-speed papermaking machines] Modernizatsiia bystrokhodnykh bumagodelatel'nykh mashin po materialam mezhvuzovskoi shkoly, sozvannoi NTO bumazhnoi i derevoobrabatyvaiushchei promyshlennosti v g Kondopoge 12-13 aprelia 1962 g Moskva, 1963. 46 p.

[MICROFILM]

TSentral'nyi institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshlennosti. [Modernization of low and medium-speed paper making machinery] Modernizatsiia bumagodelatel'nykh mashin srednei i malo skorosti. Moskva, 1963 53 p. (Bumaga i tsellioloza)

[MICROFILM]

PARACHUTING

Aerodynamics of a guided parachute. IU Ivashechkin Kryl rod. 14 no 9 35-37 S '63

Convergence in a free fall IU Kuznetsov, E Sevastianov Kryl rod. 14 no 9, 32-34 S '63

Roundabout A. Sidorenko. Kryl rod. 14 no 7 23 Jl '63.

Ten gold medals. P TSarev Kryl rod 11 no. 9, 20-21 S '63

PARAFFINS

Polymerization of some allyl cyclanes and allyl cyclenes in the presence of $TiCl_4$ + $Al(iso\text{-}C_4H_9)_3$ A V Topchiev, E L Pantalova, L V Ospova Neftekhimiia 3 no. 3 330-335 My Je '63

Synthesis of symmetrical acetylenic hydrocarbons and their α, ω -di-derivatives starting from α, α, α -trichloro- and $\alpha, \alpha, \alpha, \omega$ -tetrachloroalkanes. R. Kh. Freidlina, T. A. Kost. Izv. AN SSSR, Ser. khim. no. 9: 1583-1587 S '63.

Technical and economic evaluation of various methods of production of petroleum paraffins. B. A. Bransktein, V. L Klimenko Khim. i tekh. topl. i masel 8 no. 8, 33-37 Ag '63.

PARAFFINS—ABSORPTION SPECTRA

Infrared absorption spectra of phenylcycloalkyl alkanes C_{24} M. P Teterina, Al. A Petrov Neftekhimiia 3 no 3 305-309 My-Je '63

PARAFFINS—OPTICAL PROPERTIES

Refractive index of normal alkanes at low temperatures V G. Berkovskii and others Neftekhimiia 3 no 3 310-313 My-Je '63

PARAFORMALDEHYDE

Separation of carbazole from crude acetylene with the aid of paraformaldehyde V P Lopatinskii, E L Strokina Izv TPI 111 107-109 '61

PARAGENESIS

Paragenetic associations and ionic densities of elements in ore deposits. IU. G. Shcherbakov. Geokhimii no. 7:702-707 Jl '63.

Sorokhtchenko, D. P., A. V. Glebov, and V. A. Pavlov. [Ludwigite mineralization and (Fe-B-Ti) parageneses in ancient platforms] Ludvigitovaia mineralizatsiia i Fe-B-Ti) paragenezy drevnikh platformakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 133 p.

PARAMAGNETIC RESONANCE AND RELAXATION

Distribution of the sodium atom population on sublevels of the ground state under the effect of optical pumping [with summary in English]. V. S. Nasonov. Izv vys. ucheb. zav., radiofiz. 6 no. 3:529-535 '63.

Effect of electric dipole induction in electron resonance. A. R. Kessel', I. V. Ovchinnikov. Fiz. tver. tela 5 no. 8:2361-2365 Ag '63.

Efficiency of optical pumping in vaporized sodium [with summary in English]. V. S. Nasonov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3 518-528 '63.

Electron paramagnetic resonance and spin-lattice relaxation of Nd^{3+} impurity ion in a $CaWO_4$ single crystal. N. E. Kask and others. Fiz. tver. tela 5 no. 8, 2302-2305 Ag '63.

Electron paramagnetic resonance method used in studying copper (II) bis-dimethylglyoximate Timerov, IU. V. IAblokov, A. V. Ablov. Dok 152 no. 1:160-163 S '63.

Electron paramagnetic resonance spectra in solid polymer degradation pr Butlagin, I. V. Kolbanev, V. A. Radtsig 5 no. 8:2257-2260 Ag '63.

Intensity of allowed and forbidden line paramagnetic resonance. G. L. Bir, no. 6:2236-2247 Ag '63.

"Multiquantum transitions" in electron resonance. N. V. Kravtsov, V. N. Lazdisev. Dokl. AN SSSR 151 no. 1:87-9

Paramagnetic resonance of Nb^{4+} ions crystals. V. M. Vinokurov and others 5 no. 7:2034-2035 Jl '63.

Spin-lattice relaxation of a Ti^{3+} ion in Kask and others. Fiz. tver. tela 5 no Ag '63.

PARAMAGNETIC RESONANCE AND RE SPECTRA

Electron paramagnetic resonance of E and SrF_2 single crystals. V. M. Vino Fiz. tver. tela 5 no. 7:1936-1939 Jl '

PARAMETRIC AMPLIFIERS

Contribution to the theory of parametri first order. V. F. Kushnir. Radiotek no. 9:1542-1544 S '63.

Dynamic characteristics of a stage with variable capacitance and low level of regeneration B. M. Gershenzon and others. Izv. vys. ucheb. zav., radiotekh. 6 no. 3 303-309 My-Je '63.

Effect of periodically varying resistance on a nondegenerative parametric system. V. I Trifonov. Radiotekh. i elektron. 8 no. 9 1637-1639 S '63.

Electromechanical parametric system of a nondegenerate pattern. V N Detinko, Izv. vys. ucheb. zav., fi , no. 6 62-69 '63.

Experimental study of a two-level parametric amplifier on 9,000 mc. IA. L. Shmidarov, T A Smirnova, Radiotekh. i elektron. 8 no 9,1567-1572 S '63.

Frequency characteristics of a system of two coupled stages, one of which contains a variable capacitance L. A Smirnova, N V. Soina. Izv. vys. ucheb. zav., radiotekh 6 no. 3, 301-302 My-Je '63

Parametric amplification of transverse electromagnetic waves in a plasma with periodically varying electron concentration [with summary in English]. N. S. Stepanov. Izv vys. ucheb. zav., radiofiz. 6 no. 3 461-468 '63

PARAPLEGIA

Exercise therapy for patients with spastic paraplegias and paraparesis of the lower extremities following the removal of a spinal cord tumor. V S. Krinkova. Vrach. delo no 6:132-133 Je '63

PARASITES—ASSES AND MULES see subdivision under Badkhyz Preserve

PARASITES—BIRDS

(see also subdivision under Maritime Territory)

Effectiveness of DDT in the control of mites and lice in artificial bird nesting places A D Petrova, I. L. Durova, A. L. Blenko. Nauch. dokl. vys. shkoly; biol nauki no. 3:73-77 '63.

PARASITES—CATTLE

Larvae of Hypoderma bovis parasitizing in the spinal canal of cattle. L. S. Ivashkov. Trudy VNIIVS 14,29-31 '59.

Morphological changes in the skin of cattle infested with Demodex bovis as indices of a series of biological processes in the parasite D. K. Pollakov. Trudy VNIIVS 14,34-35 '59.

PARASITES—CODFISH see subdivision under Barents Sea

PARASITES—COOTS see subdivision under Zaysan Lake region

PARASITES—CRUSTACEA see subdivision under Barents Sea

PARASITES—CTENOPHARYNGODON see subdivision under Turkmenistan

PARASITES—DEER see subdivision under Soviet Far East

PARASITES—FISHES see subdivision under Aktasu River; Almaata; Syr Darya; Tashkepri Reservoir

PARASITES—GEESE see subdivision under Kustanay Province

PARASITES—GERBILS see subdivision under Kazakhstan; Trans-Ili Alatau

PARASITES—LEUCISCUS see subdivision under Chelkar, Lake

PARASITES—MAMMALS see subdivision under Maritime Territory

PARASITES—MARAL see subdivision under Piy-Khemskiy District

PARASITES—WOLVES see subdivision under Bet-Pak-Dala

PARASITOLOGY

"General problems of parasitology and zoology" by E N. Pavlovskii Reviewed by I G Galuzo Trud. Inst zool AN Kazakh SSR 19:250-252 '63

PARASYMPATHOMIMETIC AGENTS

Galanthamine hydroxymethylate and its cholinergic properties Sh S Umarova, I M Kamilov N P Polevitsev Farmakol no. 1 174-180 '62

PARATHYROID GLANDS

Thyroid and parathyroid glands. A. Anatol'ev. Zdorov'e 9 no. 5 9 My '63.

PARENT AND CHILD

Editor's mail G Kazantsev and others Sem'ia i shkola 18 no 5 21-28 Je '63

For a young mother. Doshk. vosp 36 no. 6-74 Je '63.

Secret of our authority Z Efimova Sem'ia i shkola 18 no 5 17-18 Je '63

PARENTERAL THERAPY

Intraintestinal feeding and aspiration of digestive juices following stomach resection I. P Maslov Kaz med zhur no 3 74-75 My-Je '63

PARIN, VASILII VASIL'EVICH, 1903-

Path of a researcher. G. I. Kositskii. Zdorov'e 9 no. 5 7-8 My '63.

PARIS PEACE CONFERENCE, 1919

Moscow Gosudarstvennyi pedagogicheskii institut inostrannykh iazykov [Collection of academic works, studies dedicated to the problems of the communist and workers' movement and international relations] Sbornik nauchnykh trudov, stat'i, posviashchennye voprosam kommunisticheskogo i rabochego dvizhenita i mezhdunarodnym otnosheniiam Moskva, 1963. 179 p

PAROLE

Various methods of controlling the behavior of parolees. IU. Manaev. Sov. iust. no. 12 21-22 Je '63.

PAROTID GLANDS—CANCER

Radiation injury of cranial bones and the brain in a child following roentgen therapy in adenocarcinoma of the parotid gland. T D Mirimova, T S Andreeva Med rad 7 no 11 36-39 N '62

PARTIAL DIFFERENTIAL EQUATIONS see Differential equations, Partial

PARTICLE ACCELERATORS

Damping of phase oscillations due to the interaction between the particles and the accelerating system. A. I. Baryshev. Zhur. tekh. fiz. 33 no. 7 882-883 Jl '63.

A 5 Mev. linear electron accelerator (model U-12) O A. Val'dner, A. A. Glazkov, A. I. Finogenov Prib i tekh eksp. 8 no. 3:29-32 My-Je '63

Magnetic quadrupole lenses for a linear accelerator with drift tubes. Part 1: Required lens properties and choice of pole tip shapes I. M. Kapchinskii, V. K. Plotnikov Prib. i tekh. eksp 8 no. 3 15-19 My-Je '63

Magnetic quadrupole lenses for a linear accelerator with drift tubes. Part 2: Measuring the field nonlinearities of lenses with plane-tipped poles. E. N Danil'tsev, V. K. Plotnikov. Prib. i tekh eksp 8 no 3 20-24 My-Je '63

Methods for calculating the parameters of a buncher with v_φ = const. A. I. Zyko., E. K. Ostrovskii. Zhur. tekh. fiz. 33 no. 7.892-894 Jl '63.

PARTICLE SIZE DETERMINATION
(see also subdivision under Don Valley; Volga Valley)

Correlation of some physicomechanical properties of peat with indices of its particle size distribution. V. D. Kopenkin. Izv. vys. ucheb. zav., gor. zhur. 6 no. 7:40-45 '63

Methods of dispersion analysis of inorganic pigments. IU. D Dolmatov, IU IA Bobyrenko. Lakokras mat i ikh prim no. 3 54-57 '63

Use of dispersion analysis in evaluating the accuracy of estimating reserves. Z. F. Bulanova. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 7:65-73 '63.

PARTICLE TRACK PHOTOGRAPHY see Photography, Particle track

PARTICLES (NUCLEAR PHYSICS)

Action of elementary particles in geochemical processes. K I. Lukashou, U. A. Kuznietsou. Vestsi AN BSSR Ser. fiz.-tekh. nav. no. 1:74-83 '62.

Invariant group solutions to the equations of a spatial stationary beam of charged particles. V. A. Syrovoi. PMTF no. 3:26-35 My-Je '63.

Novozhilov, IU. V. [Elementary particles] Elementarnye chastitsy. Izd. 2, dop. Moskva, Fizmatgiz, 1963. 204 p.

Transverse and longitudinal states of boson fields and dibaric particles [with summary in English]. A. A Borgardt. Zhur. eksp. i teor. fiz. 45 no. 2:123-127 Ag '63.

PASSERIFORMES see subdivision under Moscow region

PASSIVATION

Passivation characteristics of iron-base alloys. G. M. Florianovich, IA M Kolotyrkin Dokl. AN SSSR 151 no. 1 144-147 Jl '63

Passivation of indium in aqueous solutions. T I. Popova, N A Simonova Izv. AN SSSR. Ser. khim no. 7 1187-1191 Jl '63.

Passivity of copper in concentrated solutions of alkali [with summary in English]. A. L. L'vov, N. V. Bystritskaia. Zhur. fiz. khim. 37 no. 8:1699-1707 Ag '63.

PASTURES AND MEADOWS
(see also subdivision under Kentei Mountains; Otradnoye region, Leningrad Province; Polesye)

Effectiveness of rapid grassing under the conditions prevailing in the flood plains of the Chernozem belt. E. E. Liubimova. Dokl. TSKHA no. 62 423-428 '61.

Increasing the productiveness of natural meadows and pastures. N G. Andreev. Dokl. TSKHA no. 62 103-408 '61.

Permanent cultivated pastures on the Novaya Zhizn' Collective Farm, Stupino District, V. G. Iglovikov. Dokl. TSKHA no. 62 409-414 '61.

Use of leguminous plants to grass lowland meadows rapidly. A G. Ten. Dokl. TSKHA no. 62. 115-422 '61.

PATENT LAWS AND LEGISLATION

The problem of joint inventions and technological innovations. E. P. Torkanovskii. Sov. gos i pravo 33 no. 9 78-86 S '63.

Rubinskii, V. S., and O. V. Pavlov. [Collection of consultations and explanations on the application of regulations on discoveries, inventions, and innovations and the instructions for awards] Sbornik konsultatsii i raz"iasnenii po primeneniiu polozhenila ob otkrytiiakh, izobreteniiakh i ratsionalizatorskikh predlozheniiakh i instruktsii o voznagrazhdenii Izd 2 Pod red. I. K Karaseva Moskva, Izd-vo TsBTI, 1962. 84 p

PATENTS

[Bulletin on inventions and trademarks] Biul. izobr. i tov. znak. 40 nos. 2-10 Ja-My '63.

PATHOGENIC BACTERIA see Bacteria, Pathogenic

PATHOLOGICAL ANATOMY see Anatomy, Pathological

PATHOLOGICAL PHYSIOLOGY see Physiology, Pathological

PATHOLOGY—ABSTRACTS

[General problems of pathology, Oncology] Ref. zhur. : Ob. vop. pat. Onk. no. 10 O '63.

PATHOLOGY, CELLULAR

Cytohistological shifts in polypous granulation tissue of the middle ear following X-ray irradiation. A V. Fotur Vest otorin. no 1:35-39 '63.

PAULUS VI, Pope, 1897-

Pope Paul VI. N. Kuznetskii. Mir. ekon. i mezhdunar. otn. no. 8:138-139 '63.

PAVLOV, IVAN PETROVICH, 1849-1936

My teacher. L. A. Orbeli. Priroda 52 no. 8:78-81 Ag '63

Wells talks about Pavlov G. Mendelevich. Tekh. mol. 31 no 8.8-9 '63.

PAVLOVSKIY POSAD—TEXTILE INDUSTRY

New fabrics manufactured by the Pavlovo-Posad Wool and Worsted Combine. S. G. Agroskina. Tekst. prom 23 no. 8 23-25 Ag '63.

PAYMENT

Disorders in payments. M. N. Erdnaev. Uchet. i fin. v kolkhoz. i sovkhoz. 20 no. 9:32-34 S '63.

Our readers' letters. Den. i kred. 21 no. 8:71-76 Ag '63.

PEACH BREEDING see subdivision under Stavropol Province

PEARL HARBOR, ATTACK ON, 1941

IAkovlev, N. N. [Riddle of Pearl Harbor] Zagadka Perl-Kharbora, Moskva, Izd-vo Akad. nauk SSSR, 1963. 146 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

PEAS

Wintering peas and the increase of the fertility of rice fields [with summaries in English, German, and French]. B. I. Gol'fand. Vest. sel'khoz. nauki 8 no. 4: 48-51 Ap '63.

PEAS—DISEASES AND PESTS
(see also subdivision under Russia, Northwestern)

Is it necessary to fumigate slightly infested pea seeds? E I. Petrukha Zashch. rast. ot vred. i bol. 8 no. 7.14 Jl '63.

PEAS—HARVESTING

Make preparations for pea harvesting. A. Zabruskov. Sel'. mekh. no. 5:10-11 My '63

[Mechanization of pea harvesting] Mekhanizatsiia uborki gorokha; sbornik. Moskva, Sel'khozizdat, 1963. 119 p. (DNAL)

Modifying the picker of the S-4M combine for pea harvesting. L. Karpov. Tekh v sel'khoz. 23 no. 6 15-17 My '63

PEAS—VARIETIES

Effect of unfavorable weather conditions on the [illegible] of the crop of the Timiriazevskii 49 and the [illegible] M. M Arcnchuk. Dokl. TSKHA no. 82. 199-197 [illegible]

PEAS, FIELD see Field pea

PEASANT UPRISINGS see subdivision under [illegible]; Moldavia

PEASANTRY see subdivision under Volga Valley, White Russia

PEAT
(see also subdivision under Lithuania; Minsk)

Changes in the mobility of humus substances in [illegible] [with summary in English]. V. P. TSyplenkov. Pochvovedenie no. 6:58-67 Ag '63.

Correlation of some physicomechanical properties of peat with indices of its particle size distribution. V. D. Kopenkin. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 7 40-45 '63.

Determining the building qualities of peat [illegible] in English]. A. M. Silkin. Izv. TSKHA no. [illegible] '63.

Effect of the additions of iron ore and fluxes on the properties of peat as a metallurgical fuel I. V. Gel'd[illegible] others Izv. VUZ. Chern. met. no. 11 36-40 '63

Peat ash as a liming material. N. I. Alliamovskii, V. A Vorob'eva. Trudy VIUA no. 30:101-101 '61.

Using electronic models to establish an analytical relationship between the pressure and height of peat in a mold. A. V. Semenov, A. I. Shum. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 7:157-160 '63.

PEAT—DRYING

Effect of the temperature and velocity of heat carrier in the artificial drying of machine peat. N. M. [illegible] nova, IA. L. Kotlikov. Izv. VUZ. TPI 111 91-91 '63

Experimental investigation of the drying process of [illegible] peat. B. I. Platachkov. Sbor. nauch. trud. NII [illegible] 72 pt. 2 '62.

PEAT—MICROBIOLOGY see subdivision under [illegible]

PEAT BOGS see subdivision under Karelia

PEAT GASIFICATION

Reactivity of peat coke and the effect of the addition of ore and fluxes K. K. Strambovskaia, V. N. Bogoslovskii, V. M. Dinel't. Izv. VUZ. TPI 111.95-100 '61.

Some factors for the increase in the intensity of gasification process of peat coke in a layer. V. A. [illegible] Sbor. nauch. trud. NII no. 10:81-94 pt. 2 '62.

PEAT INDUSTRY—TECHNOLOGICAL INNOVATIONS
(see also subdivision under Latvia)

Problems in the improvement of technological processes in the peat industry. E. A. Aksenov. Sbor. nauch. trud. Bel. politekh. inst. no. 66:190-207 '57.

PECHORA BASIN—COAL MINES AND MINING

Some problems in the methodology of standardizing and planning production in longwalls worked by combine loaders. B. A. Kuz'min. Nauch. trudy MGI no. [illegible] 50 '62.

PECHORA VALLEY—GEOLOGY, STRATIGRAPHIC

Facies and paleogeography of the Lower Permian in the middle Pechora Valley. N. N. Kuz'kokova. Trudy In-ta geol. Komi fil. AN SSSR no. 3:55-66 '62.

Ordovician and Silurian border layers in the Pechora Valley portion of the Urals. A. I. Porshina. Trudy In-ta geol. Komi fil. AN SSSR no. 3: 28-37 '62.

Stratigraphy of Middle Carboniferous sediments in the Malaya Pechora basin. V. A. Varsanof'eva. Trudy In-ta geol. Komi fil. AN SSSR no. 3:38-50 '62.

PECHORA VALLEY—GEOLOGY, STRUCTURAL

Development of large platform structures in the Timan - Pechora area. V. A. Raznitsyn. Trudy Inst. geol. Komi fil. AN SSSR no. 3:113-123 '62.

PECHORA VALLEY—PALEOGEOGRAPHY

Facies and paleogeography of the Lower Permian in the middle Pechora Valley. N. N. Kuz'kokova. Trudy In-ta geol. Komi fil. AN SSSR no. 3:56-66 '62.

PEDIATRICS

Role of autoallergens in the pathogenesis of various diseases in childhood. M. V. Nikolaeva. Kaz. med zhur. no. 3:52-53 My-Je '63.

PEGMATITES
(see also subdivision under Kazakhstan; White Sea region)

Recent prospecting indication of spodumene pegmatites not showing on the surface. N. N. Mart'ianov. Razved. i okh. nedr 29 no. 7:26-31 Jl '63.

PEGMATITES—ANALYSIS

Alkalinity and acidity of the pegmatite process. I. V Davidenko. Min. syr'e no. 7:34-38 '63

PELL'S EQUATION see Diophantine analysis

PEMPHIGUS

Complications in the peripheral nervous system in pemphigus during treatment with corticosteroids N.S Smelov, G N.Zertsalova, V D.Kochetkov. Sov. med. 27 no.7:120-124 Jl '63

PENDULUM

Relationship between the first period of oscillation of horizontal pendulums with Zollner-type suspensions and the oscillation amplitude. P.S Matveev, V.G. Golubitskii, E.I. Evtushenko. Trudy Polt. grav. obser. 12,100-109 '63.

Swings of a gyroscopic pendulum with a movable fulcrum in a nonuniform gravitational field M Z Litvin-Sedoi Izv. vys. ucheb. zav , prib 6 no 3:68-76 '63

PENDZHIKENT—MOHAMMEDAN ANTIQUITIES

Excavation results at the ancient site of Pendzhikent in 1960. A. M. Belenitskii. Trudy Inst. ist. AN Tadzh. SSR 34. Arkheol. rab. v Tadzh. SSR no 8:90-117 '62

PENICILLIN

Antibodies to penicillin [with summary in English]. IU. P. Borodin. Sov. med. 27 no.7 74-78 Jl '63.

PENICILLIN—TOXICOLOGY

Case of anaphylactic shock during the administration of penicillin drops into the nose. P.D. Rabinovich Sov. med. 27 no 7:138-139 Jl '63.

Severe anaphylactic reaction caused by the prolonged use of penicillin and streptomycin. I. M. Kats, V. A. Zusmanovich. Vrach. delo no. 8,132-133 Ag '63.

PENICILLIUM

Effect of variable temperature on the causative agents of penicilliosis in corn seeds [with summary in English]. F. IE. Nemlienko, T. L. Kuchura. Mikrobiol. zhur. 25 no. 4,18-22 '63.

PENSIONS

Decision No 10 of the plenary session of the Supreme Court of the U.S.S.R. of July 3, 1963 "Judicial practice in the examination of civil lawsuits on the return of overpaid pensions." Biul. Verkh Suda no 4:23-24 '63.

PENTADIENONE

Chemistry of vinylacetylene. Report No 11 Synthesis and some transformations of substituted divinyl ketones S. A. Vartanian, V N Zhamagortsian, A. S. Noravian. Izv. AN Arm SSR. Khim. nauki 16 no 4 391-397 '63

PENTAERYTHRITOL

Synthesis of polyesters and polyester amides having a cyclotetricular structure K. A. Andrianov, V. N. Emelianov. Izv. AN SSSR, Ser. khim. no. 7 1267-1272 Jl '63.

PENTAPHENE

Derivatives of substituted acetic acids. Report No. 25 β-Dialkyl aminoethyl, α-methyl-γ-dialkyl aminopropyl, and β, β-dimethyl-γ-dialkyl aminopropyl esters of (p-chlorophenyl)-cyclopentanecarboxylic acid. A. L Mndzhoian, G. L. Papaian, M. A. Bagonan. Izv. AN Arm. SSR Khim. nauki 16 no. 1 359-364 '63.

PENTATHLON

A master of the pentathlon. Kim Pushkarlov. Ukraina no. 15:15 Jl '63.

PENZA—CLOCKMAKING AND WATCHMAKING

How the workers of a factory struggle against surviving traces of the past. E. Lisavtsev. Kommunist 40 no. 14 102-109 O '63.

PENZA PROVINCE—TEACHING

Student knowledge becomes lasting. A. Bazdenkova, R. Ivanov. Nar. obr. no. 8:36-40 Ag '63.

PEPTIC ULCER

Acidophilic-yeast milk products in the treatment of peptic ulcer and chronic gastritis [with summary in English]. P. V. Smoligovets. Vrach. delo no. 8:41-45 Ag '63.

Adrenaline and adrenalinelike substances in the blood in peptic ulcer [with summary in English]. IU. N. Klenus. Vrach. delo no. 8:36-41 Ag '63.

Current viewpoints on the value of the indices of acid formation and secretory function of the stomach in peptic ulcer. V. V. Talantov. Kaz. med zhur. no. 3,95-99 My-Je '63

Dispensary observations on patients with peptic ulcer in a rural community. L. M. Gurvits. Sov. med. 27 no. 7: 79-81 Jl '63.

Immediate and late results of stomach resection in chronic gastric and duodenal ulcers [with summary in English]. V. P. Samofalov. Sov. med. 27 no. 7:7-10 Jl '63.

Peptic ulcer of the stomach and duodenum and some chronic lung diseases, a contribution to the problem. O. S. Radbil', A. I. Ablova Kaz. med. zhur. no. 3,7-11 My-Je '63.

Peptic ulcer of the stomach and duodenum in childhood and adolescence. R. M Murmukhamedov. Kaz. med. zhur. no 3 17-18 My-Je '63.

Perforation of gastric ulcer following X-ray examination. V. M. Gapeeva. Vrach. delo no. 6:134-135 Je '63.

Remote results of suturing perforated ulcers of the stomach and duodenum IU O Furman Kaz med zhur no 3 76-77 My-Je '63

Resection of the stomach in peptic ulcer with hemorrhage Kh. Z Akhunzianov Kaz med zhur no. 3 73-74 My-Je '63.

Some current problems in the diagnosis and surgical treatment of multiple ulcers of the stomach and duodenum S I. Kotomina. Kaz. med. zhur no 3 15-17 My-Je '63

Use of ganglexon in the compound treatment of peptic ulcer L N. Perevodchikova Kaz med zhur. no 3 69-71 My-Je '63

Use of spasmolytin in the compound treatment of peptic ulcer and chronic gastritis IU I. Fishzon-Ryss Kaz med zhur. no 3 12-14 My-Je '63

PEPTIDES

Coordinative Conference on the Chemistry of Peptides. A. S. Khokhlov. Vest. AN SSSR 33 no. 9 77 S '63.

Effect of the fixation of polypeptide chains in two conformations. V. A. Pchelin, N. V Grigor'eva, V. N. Izmailova. Dokl. AN SSSR 151 no. 1 131-135 Jl '63.

PERCHLORIC ACID

Perchloric acid and its compounds as catalysts in organic synthesis. Part 11. Catalytic addition of carboxylic acids to cyclohexene. G. N. Dorofeenko, N. V Dzhigirei. Ukr. khim. zhur. 29 no. 6,616-617 '63.

PERENNIALS

(see also subdivision under Kirghizistan)

Growing perennial floral plants. N. A Magnitskaia Biol. v shkole no. 4,69-71 Jl-Ag '63.

PERIARTERITIS NODOSA

Course and outcome of periarteritis nodosa [with summary in English]. V. D Liubomudrov and others. Sov. med. 27 no. 7:82-88 Jl '63

PERIMETRY

Results of objective perimetry in pathology of the optic nerve and central parts of the retina [with summary in English]. D. I Mitkokh. Uch. zap. GNII glaz. bol. no. 8: 201-208 '61.

PERIODIC FUNCTIONS see Functions, Periodic

PERIODIC LAW

Relationship between the occurrences of elements in nature in the form of chlorides and fluorides and the place of elements in the periodic system [with summary in English]. V V Shcherbina Geokhimiia no. 8 721-724 Ag '63

PERIODICALS—BIBLIOGRAPHY see Bibliography—Periodicals

PERIODICALS—CIRCULATION see Newspaper and periodical circulation

PERIODICALS—INDEXES

Articles published in "Doklady Akademii nauk BSSR" for 1962.

PERIPHERAL NERVES see Nerves, Peripheral

PERITONEUM

Alkaline phosphatase in the peritoneum and muscle fibers of the abdominal wall in rabbits. A. A. Savinovskaia. Dokl. AN SSSR 151 no. 3:697-699 Jl '63.

PERITONEUM—TUBERCULOSIS

Association of diverticulitis, ileus, and tubercular peritonitis in a child. M. M. Petrov. Probl. tub. no. 8:106-107 '62.

PERITONEUM—TUMORS

Mesotheliomas of the peritoneum and pleura. N. G. Gataullin, R. Kh. Atlasova. Sov. med. 27 no. 7:125-128 Jl '63.

PERITONITIS

Lutsenko, S. M. [Peritonitis at an elderly and senile age; clinical, experimental and morphological study] Peritonit v pozhilom i starcheskom vozraste; kliniko-eksperimental'no-morfologicheskoe issledovanie, Kishinev, Izd-vo "Shtiintsa" Akad. nauk Moldavskoi SSR, 1962, 214 p.

Mechanism of the action of novocaine block of the splanchnic nerves on the motor activity of the small intestine in experimental peritonitis. O. S. Kochnev. Kaz. med. zhur. no. 3:47-50 My-Je '63.

Sel'tsovskii, P. L. [Diffuse suppurative peritonitides] Razlitye gnoinye peritonity. Moskva, Medgiz, 1963. 210 p.

(DNLM)

PERIWINKLE (BOTANY)

Antimicrobic properties of alkaloids of the periwinkle Vinca erecta. M. B. Sultanov, E. S. Sadykov. Farm. alk. no. 1:105-107 '62.

Pharmacology of the sum of alkaloids from the above-ground portion of Vinca erecta Rgl. et Schmalh. A. G. Kurmukov, M. B. Sultanov. Farm. alk. no. 1,42-49 '62.

PERLITE (MINERAL)

Kamenetskii, S. P. [Perlite, its properties, technology, and use] Perlity, svoistva, tekhnologiia i primenenie. Moskva, Gosstroiizdat, 1963. 279 p.

Perlite and its use in the construction industry V Avakian Prom Arm. 6 no. 7:11-14 Jl '63

PERM—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Reaching every citizen. V. Kozhanskaia. Agitator no 12: 30-40 Je '63.

PERM—TRADE UNIONS

A volunteer lecturer is on the tribune. E. Klimov. Sov. profsoiuzy 19 no. 13:20-23 Jl '63.

PERM GOVERNMENT—PHYSICIANS

Ural physicians during the revolution of 1905-1907. V. T. Selezneva. Sov. zdrav. 22 no. 6:61-65 '63.

PERM GOVERNMENT—REVOLUTION OF 1905-

Ural physicians during the revolution of 1905-1907. V. T. Selezneva. Sov. zdrav. 22 no. 6 61-65 '63.

PERM PROVINCE—BATHS, MEDICATED

Results of treating patients with diseases of the peripheral section of the nervous system with bromo-iodine water at the Usl'-Kachka Health Resort. T. I. Renne. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5: 401-406 S-O '62.

PERM PROVINCE—CRIME PREVENTION

Preventing the theft of other people's property. V. S. Shikunov. Sov. gos. i pravo 33 no. 8,120-123 S '63.

PERM PROVINCE—CRIMINAL INVESTIGATION

Perm Province should improve the pretrial investigation of criminal offenses. I. Petukhov. Sov. iust. no. 12:7-8 Je '63.

PERMAFROST see Frozen ground

PERMANGANATES

Reduction of the MnO_4^- on a mercury-dropping electrode. B. N. Rybakov, N. V. Nikolaeva-Fedorovich. Dokl. AN SSSR 151 no. 5:1135-1138 Ag '63.

PERMEAMETER

Extending the frequency limit of the application of radiofrequency permeameters A. L. Grokhol'skii, A. I Kugarevskii. Trudy inst Kom. stand., met. i izm prib no 72:53-58 '63.

PEROXIDASES

Change caused by grafting in the action of peroxidase and catalase in potato leaves. S. V. Ivanova. Dokl. TSKHA no. 62:199-203 '61.

PERSONAL BEAUTY see Beauty, Personal

PERVOURALSK—BAKERIES

Technological improvements in the Pervouralsk Bakery Combine. V. P. Nikulin. Khleb. i kond. prom. 7 no. 6: 31-33 Ag '63.

PESTICIDES—TOXICOLOGY

Second All-Union Scientific Conference on Hygiene and the Toxicology of Pesticides. S. G. Serebrianaia. Vrach. delo no. 8:151-153 Ag '63.

PETROCHEMICALS see Petroleum chemicals

PETROLEUM see subdivision under Apsheron Peninsula

PETROLEUM—ANALYSIS

Mercuryless unit for studying crude oils. V. I. Gorelan. Neftepром. delo no. 3:26-30 '63.

PETROLEUM—REFINING

(see also subdivision under Bashkiria; Ukraine)

Activity of phosphoric acid catalyst pellets. V. I. Karzhev and others. Khim. i tekh. topl. i masel 8 no. 8:19-23 Ag '63.

Development of the technology of the continuous refining of petroleum distillates by means of sulfuric acid. M. A. Mardanov and others. Khim. i tekh. topl. i masel 8 no. 8:32-33 Ag '63.

Petroleum is in an impasse! I. Dvalishvili. Izobr. i rats. no. 7,41 '63.

Role played by the petroleum refining industry in the creation of major industrial chemical complexes. I. A. Antsimov, N. B. Piniagin, S. S. Rykova. Khim. i tekh. topl. i masel 8 no. 8:30-31 Ag '63.

Technical and economic evaluation of various methods of production of petroleum paraffins. B. A. Brunshtein, V. L. Klimenko. Khim. i tekh. topl. i masel 8 no. 8:33-37 Ag '63.

PETROLEUM—STORAGE

(see also subdivision under Sweden)

Advanced methods for preventing petroleum and petroleum product losses in storage and transportation. Inform. biul. VDNKH no. 5:8 My '62.

Ways of further technical progress in the transportation and storage of petroleum and petroleum products. A. A. Kulikov. Transp. i khran. nefti no. 1:3-5 '63.

PETROLEUM—TOXICOLOGY

Clinical aspects and therapy of chronic poisoning with sour crude oil products G M. Mukhametova, R F Gabitova Kaz. med. zhur no. 3 99-102 My-Je '63

PETROLEUM—TRANSPORTATION

Advanced methods for preventing petroleum and petroleum product losses in storage and transportation. Inform. biul. VDNKH no. 5 8 My '62.

Flexible containers for the transportation of petroleum products. V Mironov, N Lupichev. Rech. transp. 22 no. 7 11-12 Jl '63.

Specialization of classification yards in areas of petroleum tank loading. O A. Olenik. Zhel dor. transp. 45 no. 8:51-53 Ag '63

Ways of further technical progress in the transportation and storage of petroleum and petroleum products A.A. Kulikov. Transp. i khran. nefti no. 1.3-5 '63.

PETROLEUM, HEATING OF

Using tanker loading systems for the warming-up of petroleum products by heated jet G Shvorin Mor flot 23 no. 6:22-24 Je '63.

PETROLEUM CHEMICALS

Processing methods of petrochemical synthesis Khim. i tekh. topl. i masel 8 no. 8:71 Ag '63

PETROLEUM ENGINEERING

Pospelov, P. A. [Physics and petroleum] Fizika i neft'. Moskva, Izd-vo "Znanie," 1963. 29 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika i khimiia, no. 16)

PETROLEUM GEOLOGY

(see also subdivision under Aktyubinsk Province, Dvuznyy Island, Kazakhstan, Krasnodar Territory; Kuban; Kuban-Azov Lowland, Mugodzhar Hills, Turgay Gates, Volga-Ural region)

Degree of accuracy in appraising petroleum reserves in category A. A.V. Velichko. Trudy KF VNII no. 1 222-229 '59.

Geochemistry of the processes of primary oil migration (with summary in English). V A Uspenskii Geokhimiia no 12:1027-1045 '62

Methods of the determination of boundaries of a producing area A.V Velichko. Trudy KF VNII no 1 230-236 '59

Mirchink, M. F., and others. [Regularities in the distribution of oil and gas wells] O zakonomernostiakh razmeshchenila neftianykh i gazovykh mestorozhdenii. Moskva, Gostoptekhizdat, 1963. 120 p

Paleogeography and prospecting for rich petroleum deposits. N. I. Markovskii. Priroda 52 no 8 88-90 Ag '63.

Structure of recent (Epipaleozoic) platforms and their oil and gas potentials discussed at the Meeting on Tectonics. R. G. Garetskii. Sov. geol. 6 no. 8.137-140 Ag '63.

PETROLEUM GEOLOGY—MAPS

Reconnaissance map of oil and gas reserves of the U. S. S. R V. IA. Avlov and others. Geol. nefti i gaza 7 no. 8:1-8 Je '63.

PETROLEUM INDUSTRY

(see also subdivision under Aznakayevo region; Indonesia)

Comprehensive analysis of the economics of the petroleum industry. A. Khairullin, A. Samigullin. Vop. ekon. no. 9:123-126 S '63.

Oil and the western blocs; economic notes. V. Rachkov. Nov. vrem. 21 no. 36:26-27 S '63.

Potential means for lowering the expenditure of fuel in the petroleum refining industry. E.A. Shapiro. Prom. energ. 18 no. 5 2-6 My '63

PETROLEUM INDUSTRY—CAPITAL INVESTMENTS

Korshunov, I. V., A. A. Agaeva, and N. K. Vanchakova. [Efficiency of capital investments and technological innovations in the petroleum industry] Voprosy effektivnosti kapitaloviozhenii i novoi tekhniki v neftianoi promyshlennosti. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1961. 134 p.

PETROLEUM INDUSTRY—EQUIPMENT AND SUPPLIES

Analysis of the turnover of working capital in the petroleum and the gas industries. M. Umanskii. Bukhg. uchet 20 no. 8:34-39 Ag '63.

PETROLEUM INDUSTRY—FIRES AND FIRE PREVENTION

Reservoir with a pumping pipe. A. Kostenko, V. Timinov. Pozh. delo 9 no. 8:25 Ag '63.

PETROLEUM INDUSTRY—JOB DESCRIPTION see subdivision under Azerbaijan

PETROLEUM INDUSTRY—PRODUCTION STANDARDS

Conference on norms research work in the petroleum and gas industry. Sots. trud 8 no 6:152-154 Je '63

PETROLEUM INDUSTRY—TECHNOLOGICAL INNOVATIONS

Korshunov, I. V., A. A. Agaeva, and N. K. Vanchakova. [Efficiency of capital investments and technological innovations in the petroleum industry] Voprosy effektivnosti kapitaloviozhenii i novoi tekhniki v neftianoi promyshlennosti. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1961. 134 p.

PETROLEUM PIPELINES

Consecutive pumping of petroleum products controlled by their viscosity. S. A. Bobrovskii, N. M Terekhova Transp i khran. nefti no. 1 19-22 '63.

Results of the activity of a design and supervision office. V. V. Bykov Transp. i khran. nefti no. 1 29-30 '63.

PETROLEUM PRODUCTION

(see also subdivision under Ordzhonikidze region, Azerbaijan)

Change in the formation temperature of the Supra-Kirmaki sand 2 and Supra-Kirmaki sand 1--Supra-Kirmaki clay series developed by artificial methods. M. M. Mustafaev. Uch. zap. AGU. Ser. geol.-geog nauk no. 5 71-80 '61.

Petroleum production in capitalist countries in 1962. M. K. Kalinko. Geol. nefti i gaza 7 no. 6:56-3 of cover Je '63.

PETROLEUM PRODUCTION—SAFETY MEASURES

Manvelian, E. G. [Safety engineering in oil well production] Tekhnika bezopasnosti pri ekspluatatsii neftianykh skvazhin. Moskva, Gostoptekhizdat, 1963. 155 p

PETROLEUM PRODUCTION, THERMAL

Studying reverse combustion in tar sands. R. L. Reed and others Neftepром. delo no. 3:36-39 '63.

PETROLEUM PRODUCTS

Semiautomatic apparatus for the cryoscopic determination of the molecular weights of petroleum products G. E. Dukhovnyi. Khim. i tekh. topl. i masel 8 no 8 62-64 Ag '63.

Some problems of seasonal variations in the consumption of petroleum products. V. B. Savitskii. Transp. i khran. nefti no. 1:32-34 '63

PETROLEUM REFINERIES

The rates on thermal energy should be revised. M.S. Matveev. Prom. energ. 18 no. 5 8-9 My '63.

PETROLEUM REFINERIES—EQUIPMENT AND SUPPLIES

Tubestills for heating a mixture of gaseous products in plants of the catalytic reforming of gasolines. L. S. Zaglodin, G I Ageev. Khim i tekh. topl i masel 8 no. 8 38-43 Ag '63.

Vol'fson, S. I. [Air and steam method of removing coke from petroleum refinery furnaces] Parovozdushnyi sposob udaleniia koksa iz pechei neftepererabatyvaiushchikh zavodov. Moskva, Gostoptekhizdat, 1963. 51 p.

PETROLEUM WASTE—PURIFICATION

Razu, R. M. [Automation of the purification of petroleum refinery waste waters] Avtomatizatsiia ochistki stochnykh vod neftepererabatyvaiushchikh zavodov. Moskva, Gostoptekhizdat, 1963. 112 p.

PETROLEUM WORKERS see subdivision under Ufa

PETROLOGY

(see also subdivision under Caucasus, Northern)

Effect of diagenetic processes on a change in the composition of silt and sand deposits. N. N. Verzilin. Dokl AN SSSR 151 no. 5:1182-1184 Ag '63.

Quartz-sillimanite facies of acidic leaching in granite-gneissic complexes. S. P. Korikovskii. Dokl. AN SSSR 152 no. 1:187-190 S '63.

Third All-Union Conference on Petrography. E. K. Ustiev. Vest. AN SSSR 33 no. 9.84-87 S '63.

PETROV FEDOR NIKOLAEVICH, 1876-

The truth of life. IU. Garkusha. Mol. komm. no. 9:120-122 S '62.

PETROVSKIY DISTRICT (STAVROPOL TERRITORY)—BANKS AND BANKING

Work organization with collective farms in the main branch. I. Vlasenko. Den. i kred. 21 no. 8 63-66 Ag '63.

PETROVSKIY DISTRICT (STAVROPOL TERRITORY)—COLLECTIVE FARMS—FINANCE

Work organization with collective farms in the main branch. I. Vlasenko. Den. i kred. 21 no. 8 63-66 Ag '63.

PETROVS'KYI, HRYHORII IVANOVYCH, 1877-1958

Glorious anniversary. H. H. Holubova. Ukr. ist. zhur. 6 no. 3:155 My-Je '63.

PHACIDIUM see subdivision under Karelia

PHARMACEUTICAL RESEARCH

Synthesis is our motto. S. N. Ushakov. Zdorov'e 9 no. 5:3 My '63.

PHARMACISTS

With the collective's efforts. R. Lukachev. Sov. profsoiuzy 19 no. 13:26-27 Jl '63.

PHARMACOLOGY

Combined and consecutive use of physiotherapeutic effects. N. A. Kaplun, A. N. Obrosov. Vop. kur. fizioter. i lech. fiz. kul't. 28 no. 2:97-104 Mr-Ap '63.

Complication in the treatment of chronic nonspecific polyarthritis with chrysanol V. IA. Grinshtein Sov. zdravookh no. 3 62 My-Je '63

Il'ichenok, T. IU., and others. [Pharmacology; a course of lectures] Farmakologiia, kurs lektsii Pod obshchei red K S Shadurskogo Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 346 p. (DNLM)

Pharmacological research in the series of indole derivatives [with summary in English] M D Mashkovskii Uch. zap. Inst. farm. i khimiater AMN SSSR 3 21-37 '63.

Seminar on psycho- and neuropharmacology. O. B. Il'inskii. Vest. AN SSSR 33 no. 9 78-80 S '63

PHARMACOLOGY—ABSTRACTS

[Pharmacology. Toxicology] Ref. zhur. i Farm. Toks. no. 19 O '63

PHARMACOLOGY—BIBLIOGRAPHY see Bibliography—Pharmacology

PHARYNX—DISEASES

Changes in the migration of white blood cells from the oropharyngeal mucosa in disorders of secretory activity of the stomach M A. Ovanova Vest. otorin. no. 1 86-89 '63

Sarcoidosis of the nose and pharynx (Besnier-Boeck-Schaumann disease) Vest. otorin. no 1 93-95 '63.

PHASE CONVERTERS

Design of a ferrite phase shifter. M. T. Novosaratov, E. V. Sushkevich. Radiotekh. i elektron. 8 no. 9:1552-1557 S '63.

PHASE RULE AND EQUILIBRIUM

About the system CaO, TiO_2 - TiO - TiO_2. M. S Modil', A. V. Rudneva, E. B Dmitrovskii Titan i ego splavy no. 9:278-279 '63.

Anomalous changes in the electrical resistance of transition class titanium alloys E. V Gusev, N I Fashko I M Khatsinskaia Fiz met i metalloved 16 no 1 65-70 Jl '63

Attainable superheating of liquids. V. P. Skripov, G. V. Ermakov. Zhur. fiz. khim. 37 no. 8:1925-1927 Ag '63.

Calculation of liquid - vapor equilibrium of ternary systems from data for binary systems. The system benzene - n-hexane - cyclohexane [with summary in English]. M. P Susarev, Chen' Shu-tszy [Ch'en Shu-tzu']. Zhur. fiz. khim 37 no. 8:1738-1744 Ag '63

Certain principles in the search for new refractories. Ogneupory 28 no. 8:341-347 '63.

Effect of high pressure on the kinetics of carbon steel tempering T P Dashova Fiz met i metalloved 16 no 1 91-96 Jl '63

Effect of mechanical and thermal treatment on phase transformations in iron-manganese alloys. A. S. Nikonenko. Sbor. nauch. trud. KGRI no. 7.317-321 '59.

Investigating the self-diffusion of metals in the phase transfotmation range. N. A. Bogdanov. Trudy Inst met no. 15:138-146 '63.

"Linear" phase transitions in solids viewed in relation to P. S. Ehrenfest's equations. M. P. Mokhnatkin. Fiz. tver. tela 5 no. 8 2049-2051 Ag '63.

Nature of the $\mathcal{E}$ -phase in the system Fe - Si. F. A. Sidorenko, P. V. Gel'd. Izv. vys. ucheb. zav., chern. met. 6 no. 7.140-148 '63.

Necessary and sufficient sign of the established equilibrium of liquid phases in ternary systems. R. V. Mertslin, N. I. Nikurashina. Zhur. fiz. khim. 37 no. 8:1841-1845 Ag '63.

On a possible case of critical phenomena. I. R. Krichevskii and others. Zhur. fiz. khim. 37 no. 8:1924-1926 Ag '63.

Regularities in the fold distribution of the pressure surfaces of ternary liquid - vapor systems and the shifting of folds with change in temperature [with summary in English]. M. P. Susarev. Zhur. fiz. khim. 37 no. 8: 1763-1768 Ag '63.

Structural forms of copper-palladium solid solutions close to the Cu_3Pd composition A A Presnukov L I. Dautova, E A. Dzhanbusinov Fiz met i metalloved 16 no 1:61-64 Jl '63

Weak-interaction asymptotic expansions for the vicinity of the critical phase transition temperature in the case of a modified formulation of the problem of a nonideal Bose-Einstein system. V. V Tolmachev. Dokl. AN SSSR 151 no. 5.1081-1084 Ag '63.

PHEMERAZOLE

Mechanism of the action of phemerazole [with summary in English]. G N. Pershin, N. A. Novitskaia Uch zap Inst. farm. i khimiater. AMN SSSR 3:98-103 '63

PHENANTHRENE

Recovery of concentrated phenanthrene from the phenanthrene fraction. N. D. Rusianova, M. V. Goltman, G. F. Bellaeva. Koks i khim. no. 8:40-42 '63.

PHENOL CONDENSATION PRODUCTS

Obtaining of phenanthrene phenol formaldehyde resins. N. V. Shorygina, A. G. Chernova, A. R. Derzhinskii. Koks i khim. no. 10:43-46 '62.

PHENOLS

Dephenolization of industrial phenol-containing waste waters with benzol extraction. L I Zlatin and others. Koks i khim. no 6 42-44 '63.

Determining pentachlorophenol in paint materials containing fungicides. L. Donev, N Nikolov. Lakokras mat i ikh prim. no 3 60-61 '63

Effect of thio derivatives of amines and phenols on the course of thermomechanical treatment and on fatigue of vulcanizates [with summary in English] Z. N. Tarasova and others. Vysokom soed. 5 no 6 892-899 Je '63.

Formation of nitrocyclohexadienones by the nitration of 2, 4, 6-trialkyl phenols. V. V. Ershov, G. A. Zlobina. Izv. AN SSSR, Ser. khim. no. 9 1667-1669 S '63.

Method of purification of α-methylstyrene by removing phenol with the aid of anion exchangers N G. Pokhanskii V S Markevich, T I Kozlova. NefteKhimiia 3 no 3 348-351 My-Je '63

Mutual intensification of the effect of antioxidants (synergism) Part 3 Manifestation of synergism in mixtures of alkylated phenol sulfide with certain phosphorous acid esters [with summary in English]. P I. Levin and others. Vysokom soed. 5 no 8 1152-1155 Ag '63

Polyatomic phenols obtained by high-temperature carbonization. K. P. Medvedev and others. Koks i khim. no. 10 33-36 '62.

Use of the phenol complex of boron fluoride for the production of coumaron-indene resins L. I. Kaminskii, Z. A. Buchkina Koks i khim no 9 47-51 '63.

PHENOLS—SPECTRA

Use of partition chromatography and spectrophotometry in the ultraviolet zone for determining the composition of phenol products. I. E Kogan, M M. Bragilevskaia, M E Neimark. Koks i khim. no. 6 48-53 '63.

PHENOXY GROUP

New stable phenoxy radicals. G. N. Bogdanov, V. V. Ershov. Izv. AN SSSR, Ser. khim. no. 8 1516-1518 Ag '63.

PHENYLENE GROUP

Spectral study of polyphenylene and its block copolymers with p-diethynylbenzene. V. A. Vonsiatskii and others. Izv. AN SSSR, Ser. khim. no. 9 1054-1060 S '63.

PHILIPPINES—CRIME AND CRIMINALS

Murder every two hours. A. Georgiev. Az. i Afr. seg. no. 8 60-61 Ag '63.

PHILIPPINES—FOREIGN RELATIONS—UNITED STATES

The Philippines and the strategy of the U. S. A. [with English summary in insert]. A. Orlov. Az. i Afr. seg. no. 8 38-39 Ag '63.

PHILIPPINES—LABOR AND LABORING CLASSES

Neocolonialism of the United States of America and the condition of the working class of dependent countries. IU. Savel'ev. Nauch. dokl. vys. shkoly, ekon. nauki 6 no. 5 65-72 '63.

PHILOSOPHY

Russia (1917- R. S. F. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. [Criticism of the present-day bourgeois ideology] Kritika sovremennoi burzhuaznoi ideologii. [n. p.] Rosvuzizdat, 1963. 181 p.

PHILOSOPHY—BIBLIOGRAPHY see Bibliography—Philosophy

PHILOSOPHY, GEORGIAN

Sherozia, A. E. [Philosophical thought in Georgia in the first quarter of the 20th century] Filosofskaia mysl' v Gruzii v pervoi chetverti XX veka. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSSR, 1963. 296 p.

PHILOSOPHY, WHITE RUSSIAN

The methods of a study on the history of White Russian social theories in the 16th century. V. K. Iakubskii. Vest. LGU 18 no. 14:118-120 '63.

PHLOX

Gaganov, P. G. [Perennial phloxes] Floksy mnogoletnie. Izd 2., perer. Moskva, Sel'khozizdat, 1963. 205 p. (DNAL)

PHOSGENE

Formation of phosgene during the chlorination of titanium slag in electric shaft furnaces and chlorinators. I. L. Reznikov and others. Titan i ego splavy no 9:140-146 '63.

PHOSPHATE INDUSTRY

(see also subdivision under Kokand)

Comparative economic advantages of the production and use of simple and double superphosphate. A. Shishov, M. Sasin. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 5:98-99 '63.

PHOSPHATASES

Alkaline phosphatase in the peritoneum and muscle fibers of the abdominal wall in rabbits. A. A. Savinovskaia. Dokl. AN SSSR 151 no. 3:697-699 Jl '63.

PHOSPHATES

Effectiveness of feeding carbamide and defluorinated Karatau phosphate to milk cows. V. A. Ignat'ev, A. K. Rositakov Vest. sel'khoz. nauki [Kazakh.] 6 no. 5 50-55 My '63.

Phosphate meal mixed with superphosphate as phosphorus fertilizers in the soils of Tatarstan according to the results of pot and field experiments. B. I. Gorizontov. Trudy Kaz. SKHI no. 43 23-44 '61.

PHOSPHATIDES

From practices of the manufacture of phosphatides. F. K. Pozdnik. Masl.-zhir. prom. 29 no 7:41 Jl '63.

PHOSPHINE

Photochemical reaction between triphenylphosphine and diphenyl iodonium salts. O. A. Ptitsyna and others. Izv. AN SSSR, Ser. khim. no. 8:1527 Ag '63.

PHOSPHINE SULFIDE

Compound treatment of far-advanced cancer of the ovaries with thio-TEPA. I. V. Danilov. Kaz. med. zhur. no. 3 61-66 My-Je '63

Compound treatment of malignant tumors of the ovaries with thio-TEPA. R. A. Rodkina Kaz. med. zhur. no. 3 66-68 My-Je '63.

PHOSPHINIC ACID

Anticholinesterase properties of some O-ethyl-S-alkylmethyl thiophosphinates. N. N. Godovikov and others. Dokl. AN SSSR 151 no. 5:1104-1107 Ag '63.

Reactions of fluorinated olefins. Report No. 17: Competing conjugation in perfluoroalkenylphosphinic esters. I. L. Knunyants, E. IA. Pervova, V. V. Tuleneva. Izv. AN SSSR, Ser. khim. no. 9:1576-1583 S '63.

Synthesis of esters of α-chloroacetoxy- β, β, β-trichloroethylphosphinic acid. K. V. Nikonorov, V. A. Nikonenko. Izv. AN SSSR, Ser. khim. no. 9:1662-1664 S '63.

PHOSPHINOUS ACID

Lower dialkyl phosphinous acids (oxides of secondary phosphines) and some of their properties. M. I. Kabachnik, E. N. TSvetkov. Izv. AN SSSR, Ser. khim. no. 7:1227-1232 Jl '63.

PHOSPHOLIPASE

Triggering action of phosphatidase A and chymotrypsins on degranulation of mesenteric mast cells in rats [with summary in English] B. Uvnäs, Judith Antonsson Uch. zap. Inst. farm i khimioter. AMN SSSR 3:336-346 '63.

PHOSPHORIC ACID

Activity of phosphoric acid catalyst pellets. V. I. Karzhev and others. Khim. i tekh. topl. i maset 8 no. 8:19-23 Ag '63.

Study of the system $CePO_4$ - H_3PO_4 - H_2O at 25°C. A. I. Ufianov, T. I. Kazakova. Izv. AN SSSR Ser. khim. no. 7:1157-1164 Jl '63.

PHOSPHORITE see subdivision under Kazakhstan

PHOSPHOROUS ACID

Esters of β-ketophosphinic acids. Report No. 12: Structure of the products of interaction of some aromatic α-halo ketones with triethyl phosphite and sodium diethyl phosphite. B. A. Arbuzov and others. Izv. AN SSSR, Ser. khim. no. 8:1380-1389 Ag '63.

Mutual intensification of the effect of antioxidants (synergism) Part 3: Manifestation of synergism in mixtures of alkylated phenol sulfide with certain phosphorous acid esters [with summary in English]. P. I. Levin and others. Vysokom. soed. 5 no. 8:1152-1155 Ag '63.

Thermal of "pseudoclaisen rearrangements of allyl and propargyl esters of phosphorous acid. A. N. Pudovik, I. M. Aladzheva. Dokl. AN SSSR 151 no. 5:1110-1113 Ag '63.

PHOSPHORS

Rate of the additive coloring of alkali halide crystals in the presence of admixtures. A. S. Shibanov. Zhur. fiz. khim. 37 no. 8:1866-1870 Ag '63.

PHOSPHORUS

Some migration forms of phosphorus. I. G. Chentsov. Trudy IGEM no. 99:101-113 '63.

PHOSPHORUS BACTERIA see Bacteria, Phosphorus

PHOSPHORUS IN THE BODY

Permeability of the hematoencephalic barrier to inorganic phosphate in acute radiation sickness. D. A. Chetverikov, S. V. Gasteva. Dokl. AN SSSR 151 no. 3: 718-721 Jl '63.

PHOSPHORUS ISOTOPES

Growth and developmental phases of aerial parts and the root system of apple as related to the dynamics of uptake and distribution of tagged phosphorus [with summary in English]. V. A. Kolesnikov, I. Palkevi. Izv. TSKHA no. 3:132-147 '63.

Studying the interaction between oak and shrubs by means of labeled phosphorus. I. N. Maiatskii. Les. khoz. 16 no. 2:15-17 F '63.

PHOSPHORUS ISOTOPES—PHYSIOLOGICAL EFFECT

Morphological changes in the skin and internal organs of rabbits during local β-irradiation with radioactive phosphorus (P_{32}) [with summary in English]. B. A. Zadorozhnyi. Vrach. delo no. 8, 66-72 Ag '63.

PHOSPHORUS METABOLISM

Changes in phosphorus compounds and gas exchange in barley coleoptiles at high temperatures [with summary in English] P. S Belikov, M. L Dmitrieva. Izv. TSKHA no 3:49-61 '63

Effect of total irradiation with gamma rays of Co^{60} on the content of intermediate products of carbohydrate and phosphorus metabolism in cardiac and skeletal muscles. N. M Labanava. Vestsi AN BSSR, Ser. biial. nav. no. 1: 53-58 '63.

PHOSPHORUS ORGANIC COMPOUNDS

Heterochain polyesters. Part 43: Preparation of phosphorus-containing polyamide esters by interfacial polycondensation [with summary in English]. V. V. Korshak, S. V. Vinogradova, U Ban-juan' [Wu Pang-yüan]. Vysokom. soed. 5 no 7 969-975 Jl '63.

Monosaccharides. Report No. 5. Behavior of some monosaccharide derivatives in the reaction with triphenyl phosphite iodomethylate N. K. Kochetkov, A. I Usov. Izv AN SSSR Ser khim no. 7:1243-1251 Jl '63.

Organomagnesium synthesis of some organophosphorus compounds in ester-free medium. B. N. Strunin, O. IU. Okhlobystin, L. I. Zakharkin. Izv. AN SSSR, Ser. khim. no. 8:1373-1376 Ag '63.

Phosphorus organic acaricides and insecticides. P. V. Popov, Zashch. rast. ot vred. i bol. 8 no. 5:27 My '63.

Synthesis of phosphorus-containing polyesters by the polytransesterification reaction [with summary in English]. A. N. Pudovik, G. I. Evstaf'ev. Vysokom. soed. 5 no. 6:886-891 Je '63.

PHOTOCHEMISTRY

Effect of impurities on the photochemical stability of silver sulfite. V. V Boldyrev, V. I. Efroshkin. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:336-339 '63.

Mechanism of photochemical chlorination of chloroacetaldehyde. B. G. IAsnitskii, A. P. Zaitsev. Dokl. AN SSSR 152 no. 1:168-170 S '63.

Photochemical reaction between triphenylphosphine and diphenyl iodonium salts. O. A. Ptitsyna and others. Izv. AN SSSR, Ser. khim. no. 8:1527 Ag '63.

PHOTOCOLORIMETRY

Photocolorimetric determination of zinc in ores with the aid of 3-hydroxy -1-o-nitrophenyl-3-phenyltriazene. I. P. Khazova. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2 216-222 '63.

PHOTOCONDUCTIVITY

Apparatus for studying the kinetics of photoconductivity by the method of additional Ⅱ-pulses. E. A Sal'kov Prib. i tekh. eksp. 8 no. 3:140-141 My-Je '63

Current induced impurity photo-e.m.f. F. M. Berkovskii, S. M. Ryvkin Fiz. tver. tela 5 no. 7:2023-2025 Jl '63.

Photoconductivity spectra of n-type silicon irradiated by fast electrons. V. D. Tkachev, A. F. Plotnikov, V. S. Vavilov. Fiz. tver. tela 5 no. 7:1826-1829 Jl '63.

PHOTOELECTRIC CELLS

Contactless photopotentiometer [with summary in English]. S. V. Svechnikov. Avtom. i telem. 24 no. 9 1292-1294 S '63.

Using photoelectric intrusion detectors on crank presses. N. S. Trifonov. [Nauch. trudy] ENIKMASha 6:161-167 '63.

PHOTOELECTRIC MEASUREMENTS

Differential method for studying relaxation processes. L. G. Paritskii. Prib i tekh. eksp. 8 no 3:150-153 My-Je '63.

Photoelectric device for the control of a vacuum unit. M. N. Sgibnev. Izv. vys. ucheb. zav.; prib. 6 no 3:161-163 '63.

PHOTOELECTRIC MULTIPLIERS

Photomultipliers in automatic amplification control circuits; review. L. V. Ksanfomaliti. Prib i tekh. eksp. 8 no. 3:5-14 My-Je '63.

PHOTOELECTRICITY

Influence of the intrinsic photoeffect on the damping of elastic waves in Ge. V. M. Beilin and others. Fiz. tver. tela 5 no. 8:2371 Ag '63.

Influence of the intrinsic photoeffect on the microhardness of Ge and Si. V. M. Beilin, IU. Kh. Vekilov. Fiz. tver. tela 5 no. 8:2372-2374 Ag '63.

PHOTOGRAMMETRY

Compilation of anaglyphic mosaics. V. T. Kondratenko, V. A. Khrapkov. Geod. i kart. no. 9:52-55 Ag '63.

Sphere of use and future development of land stereophotogrammetric surveying in railroad surveys. V. S. Kirilenko. Trudy NIIZHT no. 30, 73-84 '62.

Use of land stereophotogrammetry to determine analytically the volumes in railroad engineering. V. S Kirilenko Trudy NIIZHT no. 30, 97-99 '62.

PHOTOGRAPHIC EMULSIONS

Various defects of the "setting agent" produced during the coating of photographic emulsion. Report No 4 Influence of the effect of the esters of oxalopropionic acid with the aldehyde on the kinetic setting. O K Shutto and others. Zhur nauch i prikl fot i kin. 7 no 5 321-326 S-O '62.

Component exhibit of the decomposition and their adsorption on silver halides. F B Lifshits, F D Rukhova, and T I Ivanova. Zhur nauch i prikl fot i kin. 8 no 5 1-114 S-O '63.

Effect of the size of silver halide microcrystals on the developing power of the emulsion as dependent on the nature of the developing agent. I M Kilinskii, V V Andreiano. Zhur nauch i prikl fot i kin. 8 no 5 379-380 S-O '63.

Investigating the chemical ripening of type R emulsions. D M Sapozhnikov and others. Zhur nauch i prikl fot i kin. 8 no 5 361-361 S-O '63.

Mechanism of the aging of infrachromatic emulsions. S S Kurmaeva, V. P. Dudarova. Zhur nauch i prikl fot i kin. 8 no 5 376-378 S-O '63.

Possibility for increasing the effect of optical sensitization. S V Svetanson. Zhur. nauch. i prikl fot i kin. 8 no 5 363-369 S-O '63.

Relationship between the luminescent and photographic properties of emulsion layers. V M Belous, K V Chibisov. Zhur nauch i prikl. fot i kin. 8 no 5 334-337 S-O '63.

PHOTOGRAPHIC INTERPRETATION

Simplified method of determining ground distances from aerial photographs. T S Finkovskaia. Trudy MIIZHT no 30 59-61 '62.

Spectrophotometric study of vegetation in Tuva. N. G. Kharun. Trudy Inst. lesa i drev. 66 29-42 '63.

PHOTOGRAPHIC LENSES see Lenses, Photographic

PHOTOGRAPHIC OPTICS see subdivision under Germany, East

PHOTOGRAPHIC SENSITOMETRY

Data on comparison sensimetric testing of black-and-white and color films in various countries. E. Ozherel'eva. Tekh. kino i telev. 5 no 7 21-25 Jl '61.

Investigating the relation between the sensitometric characteristics of negative films and the exposure testing data of the filming process [with summary in English on p. 66]. E. D. Katsenelenbogen. Tekh. kino i telev. 7 no. 6.19-26 Je '63.

PHOTOGRAPHIC SHUTTERS see Shutters, Photographic

PHOTOGRAPHIC SURVEYING

Graphical control extension of a phototheodolite survey by means of photogrammetric triangulation. IU. P Klenko. Geod. i kart. no. 6 33-39 Je '63.

Practice in using a camera for recording mining data. IA M. Kisliakov, D. G. Latyshev. Geol rud. mestorozh. 5 no. 4 101-102 Jl-Ag '63.

PHOTOGRAPHY—DEVELOPERS AND DEVELOPING

Developing properties of hydroxybenzoylpyrogallol. M. S Khaikin, D B Shamil'skaia, L G Fedorina. Zhur. nauch i prikl fot. i kin. 8 no 5 375-376 S-O '63.

Effect of the size of silver halide microcrystals on the resolving power of the emulsion as dependent on the nature of the developing agent. I. M Kilinskii, V V. Andreiano. Zhur nauch. i prikl fot i kin. 8 no. 5 379-380 S-O '63.

PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

International standardization in the field of still and motion-picture photography equipment. S D Karipidi. Tekh. kino i telev. 7 no. 8.62-66 Ag '63.

PHOTOGRAPHY—EXHIBITIONS

Seven-year plan in action. E. Solov'eva. Nar. obr. no. 8 118-119 Ag '63.

PHOTOGRAPHY—EXPOSURE

Nomogram for exposure calculations in the photography of self-luminous objects. IU. A. Zatsepin. Zhur. nauch i prikl. fot. i kin. 8 no. 5;353-359 S-O '63.

PHOTOGRAPHY—HANDBOOKS, MANUALS, ETC.

Iofis, E. A. [Photography manual for schoolchildren] Fotografiia dlia shkol'nika. 2. izd., perer. i dop. Moskva, Iskusstvo, 1963, 140 p.

PHOTOGRAPHY—SCIENTIFIC APPLICATIONS

Nomogram for exposure calculations in the photography of self-luminous objects. IU. A. Zatsepin. Zhur. nauch. i prikl. fot. i kin. 8 no. 5,353-359 S-O '63.

Photographic reproduction of the surface relief. N. M. Ziuskin. Zhur. nauch. i prikl fot. i kin 8 no. 5,348-352 S-O '63.

Thirteenth conference on scientific photography. Tekh. kino i telev. 6 no.4 93-94 Ap '62.

Using the shlieren system of photographic measurements for the quantitative investigation of the supersonic flow around the aerofoil. L. A. Vasil'ev, V. P. Minina. Zhur nauch. i prikl. fot. i kin. 8 no. 5:337-342 S-O '63.

PHOTOGRAPHY, AERIAL

Time for aerial photographic surveying of forests in various areas of the U. S. S. R. N. G. Kharin. Trudy Inst. lesa i drev. 66 43-50 '63.

PHOTOGRAPHY, AERIAL—COPYING

Modernization of copying equipment. A. N. Uspenskii. Geod i kart. no 8 50-52 Ag '63.

PHOTOGRAPHY, HIGH SPEED—CONGRESSES

Coming Sixth International Congress on High Speed Photography. I Chernyi. Tekh. kino i telev. 5 no. 7 96 Jl '61.

PHOTOGRAPHY, INFRARED

Infrared photography as a method of detection of the deep collateral vessels of the anterior abdominal wall in disorders of portal circulation [with summary in English] IU D Romanov, B D Sverdlov. Ter arkh. 35 no 1 30-34 Ja '63.

PHOTOGRAPHY, MEDICAL

Photolaparoscopy [with summary in English] A S. Loginov. Ter arkh. 35 no. 1 34-37 Ja '63.

PHOTOGRAPHY, PARTICLE TRACK

Identification of particles by the photographic emulsion technique [with summary in English]. I. IA Chasnikov and others. Zhur. eksp. i teor fiz 45 no 2;28-37 Ag '63.

Self-reading channel in an apparatus for measuring coordinates in track photographs. L. L. Likhtenbaum, B. N. Moiseev, V. S Kaftanov. Prib. i tekh. eksp 8 no 3,32-39 My-Je '63.

Servomechanism in an apparatus for measuring coordinates in track photographs. B. N. Moiseev, V. I Liudevich, O. P Fedotov. Prib i tekh eksp. 8 no. 3;40-48 My-Je '63.

Studying the background and energy spectrum of neutrons from a betatron with the aid of nuclear emulsions. B. M. IAkovlev, A. A. IAtis. Izv. vys. ucheb. zav., fiz. no. 4 3-9 '63.

Width of tracks in convection chambers. N. G. Volkov, V. K. Liapidevskii, I. M. Obodovskii. Prib i tekh eksp 8 no. 3;61 My-Je '63.

PHOTOGRAPHY, UNDERWATER—EQUIPMENT AND SUPPLIES

Some problems of optics and light sources in underwater photography. E. V. Babak. Tekh. kino i telev 7 no 8. 57-61 Ag '63.

PHOTOMETERS

Using a photometer to determine the silt load of water. K. V Razumikhina, A V Karpushev. Trudy GGI no. 100 40-53 '63.

PHOTOMETRY

Comparative characteristics of spectrophotometric methods for determining tantalum and niobium. Part 1. General criteria and inorganic reagents. A. T. Pilipenko, O. M Eremenko. Ukr. khim zhur 29 no. 5;532-538 '63.

Comparative characteristics of spectrophotometric methods for determining tantalum and niobium. Part 2: Use of organic reagents. A T. Pilipenko, O M. Eremenko. Ukr. khim zhur. 29 no. 5;538-547 '63.

Fate of the telephotorecorder. V. Glebov. Tekh. mol. 30 no. 11 31-32 '62.

Photometric method for determining scandium with chlorophosphonazo-III in wolframite. I. P. Alimarin, V. I Fadeeva. Vest Mosk. un Ser 2. Khim. 18 no. 4 67-69 Jl-Ag '63.

Quantitative photometric microdetermination of saturated high molecular weight fatty acids following separation by the chromatographic method [with summary in English] E K. Alimova and others. Zhur anal khim 18 no 6 769-772 Je '63.

PHOTOMICROGRAPHY

Determining the magnification of an EM-5 electron microscope. G. A. Kokorin, V. I. Lopatin. Zav. lab. 29 no. 8;974-975 '63.

PHOTONS

Photon emission by a fast particle interacting with elementary excitations in matter [with summary in English]. M. I. Riazanov. Zhur. eksp. i teor. fiz 45 no. 2;333-336 Ag '63.

PHOTONS—SCATTERING

Fermion Regge poles and the Compton effect [with summary in English]. V. G. Gorshkov, M. P. Rekalo, G. V. Frolov. Zhur. eksp. i teor. fiz. 45 no. 2;285-290 Ag '63.

PHOTOPERIODISM

Effect of light on the duration of the development of the first nymphal instar of the pine sawfly Neodiprion sertifer Geoffr. T. P. Pankevich. Vestsi AN BSSR, Ser. biial. nav. no. 1:110-114 '63.

Photoperiodic development and the resistance of melons to fusarium wilt. N. A. Ataullaev. Agrobiologiia no. 4.571-575 Jl-Ag '63.

Photoperiodism of the Jerusalem artichoke. G. V. Ustimenko, Z. I. Usanova. Dokl. TSKHA no. 82:99-104 '61.

PHOTOSYNTHESIS

Characteristics of the dark reaction of interconversion of xanthophylls. N. V. Bazhanova, D. I Sapozhnikov. Dokl. AN SSSR 151 no 5 1219-1221 Ag '63.

Diurnal photosynthetic cycle in plants resistant to regulator herbicides. S M Mashtakov, I I Parnov. Dokl. AN BSSR 6 no 12 801-804 D '62.

Effect of some reducing agents on the development of green sulfur bacteria and the synthesis of bacteriochlorophyll viridin by them at various light intensities. V. N. Shaposhnikov, R. M. Baltakalin, E. N. Kondrat'eva. Dokl. AN SSSR 151 no. 3 708-711 Jl '63.

Effect of water content in leaves on the intensity of photosynthesis and respiration [with summary in English] Z. Abdurakhmanova, M. IAkubova. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR no. 9;11-16 '63.

Interrelation between the photosynthesis and water metabolism in plants [with summary in English] IU Nasyrov, Z N Abdurakhmanova, IU E. Gille. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR no. 9;11-15 '63.

Metabolism of carbon absorbed in photosynthesis by plants as related to the conditions of water supply. [With summary in English]. L. M. Makhmudbekova, IU. Nasyrov. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR no 3 17-22 '63.

Photosynthesis and fruiting of the cotton plant as related to fertilizers [with summary in English] A M. Berdiev. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR no 3 39-52 '63.

Photosynthesis and water balance in plants as related to their ecology and origin [with summary in English] K. P. Rakhmanina, IU S. Nasyrov. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR no 3;23-28 '63.

PHOTOTROPISM

Stromatolites and phototropism. A. G. Vologdin. Izv. AN SSSR 151 no. 3;683-686 Jl '63.

PHTHALAZINEDIONE

Solubility and acidic properties of luminol. A. K. Babko, L. I. Dubovenko. Ukr. khim zhur. 29 no. 5;479-484 '63.

PHTHALIC ACID

Film-forming properties of pentaphthalic esters modified with cottonseed oil acids. A. Kh Ataullaev, Z. I. Ivashina. Masl.-zhir. prom. 29 no. 7;28-30 Jl '63.

PHTHALOCYANINS

Electron-microscopic study of crystalline modifications of copper phthalocyanin. G. S. Zhdanov, III. M. Vorob'ev. Izv. AN SSSR, Ser. fiz. 27 no. 8;1232-1234 S '63.

PHTHIVAZIDE

Content of phthivazide in the cerebrospinal fluid in tuberculous meningitis in children [with summary in English] P. P. Gutnik. Probl. tub. 41 no. 3,50-52 '63.

PHYLLOXERA
(see also subdivision under Moldavia)

Decay of grape root after injuries by Phylloxera. A A Mul'ko. Fiz. i mexy bol'. i sel. no. 1;58-60 '61.

PHYLLOXERA—EXTERMINATION
(see also subdivision under Moldavia)

The Phylloxera problem. I. A. Kazas. Zashch. rast. ot vred. i bol. 8 no. 7.20-22 Jl '63.

Soil fumigants. G. A. Kirichkin. Zashch. rast. ot vred. i bol. 8 no. 7.23-25 Jl '63.

PHYLOGENY (BOTANY)

Position of Trochodendron in the phylogenetic system of angiosperms [with summary in English]. N. V. Pervukhina. Bot. zhur. 48 no. 7,938-948 Jl '63.

PHYSICAL EDUCATION AND TRAINING
(see also subdivision under Georgia; Riga; White Russia)

Give a scientific basis to the physical education collectives. N. I. Afanas'ev, P. E. Bol'shev. Teor. i prak. fiz. kul't. 26 no. 6;41-43 Je '63.

Improvement in the physical education of the people. IU. A. Karpushov. Teor. i prak. fiz. kul't. 26 no. 6.57-60 Je '63.

Improving the system of physical education in the U. S. S. R. Teor. i prak. fiz. kul't. 26 no. 6;64 Je '63.

Let us improve the Soviet system of physical education. F. P. Shuvalov. Teor. i prak. fiz. kul't. 26 no. 6.60-62 Je '63.

Millions of strong and trained youngsters; the All-Union Soviet Physical Culture Day. Agitator no. 12:24-25 Je '63.

More creative initiative and independent action. I. A. TSadikovich. Teor. i prak. fiz. kul't. 26 no. 6.43-46 Je '63.

Raise the level of ideological work. Teor. i prak. fiz. kul't. 26 no. 6;1-5 Je '63.

Some problems of communist education in textbooks and schoolbooks. S. L. Glain. Teor. i prak. fiz. kul't. 26 no. 6;67-69 Je '63.

Study of the muscle system in connection with physical education. Nguyen Van Lac. Biol. v shkole no. 4;23-27 Jl-Ag '63.

PHYSICAL EDUCATION AND TRAINING—CONGRESSES

Fifth All-Russian Conference on Physical Training and Sports, Medical Control and Therapeutic Physical Culture. V. M. Matoshin. Zdrav. Ros. Feder. 7 no. 7:40-42 Jl '63.

PHYSICAL EDUCATION AND TRAINING—RESEARCH

Continuously improve research and methodological work. A. P. Laptev, I. I. Nikiforov. Teor. i prak. fiz. kul't. 26 no. 6:9-14 Je '63.

[Scientific principles of physical education and sports; abstracts of dissertations] Nauchnye osnovy fizicheskogo vospitaniia i sporta; referativnyi sbornik dissertatsii. Sbornik podgotovil I. N. Petukhov. Moskva, Fizkul'tura i sport, 1963. 366 p.

PHYSICAL EDUCATION AND TRAINING—TEACHER TRAINING

For further improvement in the preparation of physical education personnel. M. D. Orobinskii. Teor. i prak. fiz. kul't. 26 no. 6:55-57 Je '63.

PHYSICAL EDUCATION FOR CHILDREN

Athletic life of a school. N. Linnik. Prof.-tekh. obr. 20 no. 8:22 Ag '63.

From the first grade.... T. Slavgorodskaia. Nar. obr. no. 8:46 Ag '63.

Means of active leisure. V. K. Shurukhina. Nach. shkola 31 no. 7:49-54 Jl '63.

Model planning of physical culture classes in grades 1-4. A. A. Gugin. Nach. shkola 31 no. 10:85-89 O '63.

Morning calisthenics. M. Sheiko. Doshk. vykh. 24 no. 6:31-39 Je '63.

PHYSICAL GEOGRAPHY
(see also subdivision under Chukchi Peninsula)

Physical geography of the U. S. S. R. in a textbook for the seventh grade. A. A. IAtsenko. Uch. zap. MGPI no. 159 77-83 '60.

Principles of physicogeographical regionalization. A. E. Fedina. Izv. Vses. geog. ob-va 95 no. 4:299-305 Jl-Ag '63.

PHYSICAL GEOGRAPHY—BIBLIOGRAPHY see Bibliography—Physical geography

PHYSICAL GEOGRAPHY—MAPS

Evenki ancient geographical concepts and map drawings. G. M. Vasilevich. Izv. Vses. geog. ob-va 95 no. 4:306-319 Jl-Ag '63.

PHYSICAL GEOGRAPHY—STUDY AND TEACHING

Comprehensive physico-geographic excursions with seventh-grade students. G. V. Svistova. Uch. zap. MGPI no. 159:12-16 '60.

Physico-geographic characteristics as a subject of laboratory work. I. V. Vasil'eva. Uch. zap. MGPI no. 159:84-92 '60.

PHYSICAL METALLURGY

Investigations on the physics of metals. I. B. Borovskii. Trudy Inst. met. no. 15:3-10 '63.

New developments in research. G. A. Khasin, V. N. Davidiuk. Stal' 23 no. 8:747 Ag '63.

PHYSICAL THERAPY
(see also subdivision under Czechoslovakia; Yevpatoriya)

Combined and consecutive use of physiotherapeutic effects. N. A. Kaplun, A. N. Obrosov. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:97-104 Mr-Ap '63.

Fingenov, S. N. [Organization, technique and methodology of physiotherapeutic aid] Organizatsiia, tekhnika i metodika fizioterapevticheskoi pomoshchi. Kiev, Gosmedizdat USSR, 1963. 275 p. (DNLM)

Physical therapy in cases of ureteral calculi. N. N. Popkov. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:438-441 S-O '62.

Physicobalneotherapy for diseases of the peripheral nervous system (radiculitis, radiculoneuritis and polyradiculitis). A. P. Speranskii. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:385-392 S-O '62.

"Therapeutic physical culture in a clinic for internal diseases" by V. N. Moshkov. Reviewed by O. I. Sokol'nikov. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2 176-179 Mr-Ap '63.

PHYSICAL THERAPY—CONGRESSES

All-Union Conference on Experimental Study of Health Resorts and Physical Therapy. V. G. Boksha, A. I. Zol'nikova, S. IA. Trotsenko. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:184-191 Mr-Ap '63.

PHYSICIANS see subdivision under Bulgaria; Perm Government

PHYSICS

Lebedev, P. N. [Collected works] Sobranie sochinenii. Red. i primechaniia T. P. Kravtsa, N. A. Kaptsova, A. A. Eliseeva. Stat'i T. P. Kravtsa i N. A. Kaptsova. [Moskva], Izd-vo Akad. nauk SSSR, 1963. 434 p. (Akademiia nauk SSSR. Klassiki nauki)

PHYSICS—ABSTRACTS

[Physics] Ref. zhur.: Fiz. no. 9 S '63.

PHYSICS—AUDIO-VISUAL AIDS

Komskii, D. M., and D. I. Penner. [Making devices for demonstrations at popular lectures on physical and technological subjects] Izgotovlenie demonstratsionnykh priborov dlia populiarnykh lektsii na fiziko-tekhnicheskie temy. Moskva, Ob-vo po rasprostraneniiu polit i nauchn. znanii RSFSR, 1963. 38 p.

PHYSICS—BIBLIOGRAPHY see Bibliography—Physics

PHYSICS—CONGRESSES

Conference on Reactions between Complex Nuclei, held in the United States. V. I. Gol'danskii. Vest. AN SSSR 33 no. 9:65-68 S '63.

The Eleventh Conference on Luminescence. G. P. Gurinovich, N. D. Zhevandrov, K. N. Solov'ev. Usp. fiz. nauk 80 no. 4 695-701 Ag '63.

PHYSICS—PHILOSOPHY

Features of present-day physics. M. Omel'ianovskii. Tekh. mol. Jl no. 9 17 '63.

PHYSICS—STUDY AND TEACHING

Connection between instruction and productive work; from the practice of teaching physics in evening schools. L. A. Osadchuk. Sov. pedag. 27 no. 7 67-72 Jl '63.

Instructive combination of teacher's words and visual aids. O. M. Stetsiuk. Rad. shk. 42 no. 8 84-87 Ag '63.

On the classroom demonstration method of teaching physics in prerevolutionary Russian schools of general education. Part 1. V. N. Bykov. Uch. zap. Ped. inst. Gerts. 197:269-279 '58.

Solution of graphic problems on "uniform motion" in the 6th grade. A. P. Rymkevich. Uch. zap. Ped. inst. Gerts. 197 262-267 '58.

Some experiments involving the use of an audio oscillator in a secondary school physics class. A. P. Rymkevich. Uch. zap. Ped. inst. Gerts. 197 259-261 '58.

The theme "Transmission of rotary motion" in a school physics course. A. N. Bubnova. Uch. zap. Ped. inst. Gerts. 197:241-258 '58.

PHYSIOLOGY

Conference on Physiology in Mexico. S. P. Narikashvili, P. G. Kostiuk. Vest. AN SSSR 33 no. 9 71-72 S '63.

PHYSIOLOGY—STUDY AND TEACHING

"Independent work of students in human anatomy and physiology lessons" by E. A. Sokolova. Reviewed by L. I. Prigoshanskaia. Biol. v shkole no. 4 91-92 Jl-Ag '63.

PHYSIOLOGY, COMPARATIVE

Phylogeny of internal mechanisms of analytical and synthetic activity of the brain [with summary in English]. L. G. Voronin, V. I. Gusel'nikov. Zhur. vys. nerv. deiat. 13 no. 2:193-206 Mr-Ap '63.

PHYSIOLOGY, PATHOLOGICAL

Study of chemical mediators in infectious hepatitis (Botkin's disease). Zh. A. Rabenak. Vestsi AN BSSR, Ser. bilal. nav. no. 1:78-81 '63.

PHYTOGEOGRAPHY

Geobotany at the Second Interuniversity Conference "Contribution of Universities to Agriculture." B. M. Mirkin, V. S. Ipatov. Bot. zhur. 48 no. 7 1088-1090 Jl '63.

PHYTONCIDES

Therapeutic and prophylactic importance of parks and gardens. L. N. Savchuk. Vop. kur. fizioter. i lech. fiz. kul't. 28 no. 2:118-122 Mr-Ap '63.

PHYTOPLANKTON see subdivision under Adriatic Sea

PHYTOSOCIOLOGICAL RESEARCH

Tasks of the Laboratory of Experimental Geobotany of the Botanical Institute of the Academy of Sciences of the U. S. S. R. A. P. Shennikov. Trudy Bot. inst. Ser. 3 no. 14:6-11 '63.

PHYTOSTEROLS

Separation of phytosterols from the wastes of oil deodorization. N. I. Kozin, M. S. Kastornykh. Masl-zhir. prom. 29 no. 7:21-22 Jl '63.

PIANISTS

Moscow. Gosudarstvennaia konservatoriia. Kafedra istorii pianizma i metodiki obucheniia igre na fortep'iano. [Masters of the Soviet school of piano] Mastera sovetskoi pianisticheskoi shkoly, ocherki. Moskva, Gos. muzykal'noe izd-vo, 1961. 230 p. (MIU)

PICKLES

Modification of the technology for the production and storage of pickles and sauerkraut. I. M. Strovpivskii. Kons. i ov. prom. 18 no. 7:12-14 Jl '63.

PIERS see subdivision under Votkinsk Reservoir

PIEZOELECTRIC SUBSTANCES

Hypersound amplification in piezoelectric semiconductors. M. E. Gertsenshtein, V. I. Pustovoit, S. S. Filippov. Radiotekh. i elektron. 8 no. 9:1607-1614 S '63.

PIEZOELECTRICITY

Electroacoustic effects in piezoelectric semiconductors. V. B. Sandomirskii, Sh. M. Kogan. Fiz. tver. tela 5 no. 7 1894-1899 Jl '63.

PIGMENTS

High-quality colored pigments obtained from titanium dioxide and other metals. L. M. Gol'dshtein. Lakokras. mat. i ikh prim. no. 3:19-23 '63.

Investigating some factors affecting the properties of milori blue. D. S. Gorelik, L. N. Maslova. Lakokras. mat. i ikh prim. no. 3:78 '63.

Methods of dispersion analysis of inorganic pigments. IU. D. Dolinatov, IU. IA. Bobyrenko. Lakokras. mat. i ikh prim. no. 3:54-57 '63.

PIGMENTS—TESTING

Determining the cover power of white pigments. A. R. Daich. Lakokras. mat. i ikh prim. no. 3:58-61 '63.

PIKAS see subdivision under Sayan Mountains

PILING (CIVIL ENGINEERING)

Duration of the process of increasing the bearing capacity of friction piles driven into clayey soils of varying composition. G. F. Novozhilov. Sbor. trud. LIIZHT no. 196:55-63 '62.

Electroosmotic method of accelerating the sinking of piles and restoring their bearing capacity. B. A. Nikolaev. Sbor. trud. LIIZHT no. 196:40-54 '62.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.

Pt. 3. Sec. B. ch. 6. [Foundations and supports of piling and shells; pile walls; regulations for production and acceptance of work] Fundamenty i opory iz svai i obolochek, shpuntovye ograzhdenila; pravila proizvodstva i priemki rabot (SNIP III-B. 6-62). 1963. 36 p.

Using hollow reinforced concrete piles. G. Bodrov, G. Levyi. Rech. transp. 22 no. 6:35-36 Je '63.

PILING (CIVIL ENGINEERING)—SAFETY MEASURES

Kosolapov, G. V. [Safety manual for operators of pile drivers] Pamiatka po tekhnike bezopasnosti dlia kopriovshchikov. Moskva, Gosstroizdat, 1963. 19 p. (Tekhnika bezopasnosti v stroitel'stve)

PILOTS AND PILOTAGE

Liability for careless pilotage according to English law. M. I. Maksimadzhi. Inform. sbor. TSNIIMF no. 56. Mor. pravo i prak. no. 11 24-30 '60.

PIMELIC ACID

Unsaturated acids and macrocyclic lactones. Report No. 10: Synthesis of β-hydroxy-α, α^1, γ-trimethylpimelic lactone. L. D. Bergel'son, S. G. Batrakov. Izv. AN SSSR. Ser. khim. no. 7:1259-1267 Jl '63.

PINE
(see also subdivision under Carpathian Mountains, Don Valley, Leningrad Province; Polesye, Salair Ridge; Siberia, Zelenodol'sk region)

Brief information. Les. khoz. 16 no. 6:75-76 Je '63.

How we grow Siberian pine seedlings. V. V. Reutov, S. I. Kiseleva. Les. khoz. 16 no. 6:30 Je '63.

Investigating the growth of Korean pine by means of the equation of the unitary line of correlation. I. I. Kotliarov. Les. khoz. 16 no. 6:14-16 Je '63.

Planting pine during winter thaws. D. P. Toropogritskii. Les. khoz. 16 no. 2:43-45 F '63.

Relation between the growth of trees and the shape and dimensions of the crowns. P. S. Kondrat'ev. Dokl. TSKHA no. 62:445-453 '61.

PINE—DISEASES AND PESTS see subdivision under Karelia, Virgin Territory; White Russia

PINK SALMON

Preservation of the fertilization ability of eggs and sperm cells of humpback salmon (Oncorhynchus gorbuscha (Walbaum)) in water. A. I. Smirnov. Nauch. dokl. vys. shkoly; biol. nauki no. 3:37-41 '63.

PIONEERS (COMMUNIST YOUTH)
(see also subdivision under Turkmenistan; Ul'yanovsk)

Aesthetics education in a Pioneer troop. G. I. Egorov. Sov. pedag. 27 no. 6:25-30 Je '63.

Creative cooperation. S. Furin. Nar. obr. no. 6:90-95 Je '63.

Fascinating prospects are an indispensable prerequisite for the inculcation of group feeling. F. IA. Kartashova. Nach. shkola 31 no. 7:73-80 Jl '63.

In a class for young Pioneer leaders. L. Brykova. Rad. shk. 42 no. 7:62-66 Jl '63.

Junior Pioneers and Pioneers of a small school. A. N. Tortsev. Nach. shkola 31 no. 7 56-61 Jl '63.

Participation of the Pioneers in planning the work of a detachment and a troop. V. M. Goreeva. Sov. pedag. 27 no. 7:47-51 Jl '63.

Principles of the Pioneer organization. I. Gordin. Nar. obr. no. 6:75-78 Ag '63.

[illegible] (All-Union Pioneer Organization) [illegible]

[illegible] (The sun, the sea, [illegible]) [illegible]

[illegible], PROF ANDREEVICH, 1903-

[illegible]

PIPE -HYDRODYNAMICS

[illegible]

[illegible] small particles in a vertical pipe V G [illegible] Izv Akad Arm SSR ser tekh nauk 16 no 2-3, [illegible] '63

PIPE -TRANSPORTATION

[illegible]

PIPE, ALUMINUM

[illegible] [pipe of various cross sections, M F. Golovi- [illegible] Izobret, prot. 36 no 8 72-75 Ag '63.

PIPE, CLAY

[illegible] [Hydraulic calculations for ceramic and [illegible] G tradichesk raschet keramicheskikh i [illegible] truboprovodov. Kiev, Gosstroizdat USSR, [illegible] 47 p

PIPE, CONCRETE—TESTING

[illegible] [illegible] a testing unit [illegible] for [illegible] concrete pipes [illegible] SSR No 173:241-252 '62

PIPE, GLASS

[illegible], A.S. [Hydraulic calculations for ceramic and [illegible] G tradichesk raschet keramicheskikh i [illegible] truboprovodov. Kiev, Gosstroizdat USSR, [illegible] 47 p

PIPE, STEEL

[illegible] evaluation of two types of spray quenching [illegible] for pipe hardening A.S. Kadinova, G N. [illegible] Stal' 23 no 7 656-658 Jl '63.

[illegible] [illegible] on the stress-rupture strength [illegible] [illegible] Kantasa a Elek sta [illegible]

Surface carburizing of steel 10 and 20 pipe in the hot extrusion process. O.S Williams, A. L Libenson, Stal' 23 no.7 635-635 Jl '63.

PIPE, STEEL—CORROSION

[illegible] protection of main underground [illegible] G Goncharia K I Vorobiesku [illegible] Gaz delo tekh neft i gazov prom no 7:33-34 '63

PIPE, STEEL—TESTING

[illegible] [illegible] [illegible] controlling the hardness [illegible] [illegible] Vorob'ev, V.I Romanov, A. V. Voznyi, [illegible] no 4 33-35 Jl-Ag '63.

PIPE BENDING

Preventing shrinkage in parts of piping. A. M. Monastyrskii. Vest. mashinostr. 43 no. 8 63-65 Ag '63.

PIPE MILLS

[illegible] vision under Chelyabinsk, Ukraine]

Sections in an instantaneous deformation of pilgrim rolling of pipe IU. F. Shevakov, V. I. Linfenbaum. Izv. vys. ucheb. zav., chern. met. 6 no 7:122-127 '63.

Investigation of metal shape changing in the expansion process with conical rolls, and others. Izv. vys. ucheb. zav., chern. met. 6 no. 8:112-116 '63.

Metal sticking on the rolls during the hot process tubes. A. P. Chekmarev and others. Stal' 23 no. 7:631-635 Jl '63.

[illegible] Chekmarev and IA. L. Valkin's book [illegible] pipe rolling in round passes." IU M. [illegible] 23 no. 7:641-642 Jl '63.

[illegible] F. A Danilov, A Z Glazberg, V G. [illegible] pipe," N I Ermolaev Stal' [illegible] Ag '63.

INDIATIONS

Giprovennyi institut po proektirovaniiu [illegible] zavodov. [Instructions on the design for the equipment of rolling and [illegible] rukiistia po proektirovaniiu fundamentanie prokatnykh i trubnykh tsekhov. [illegible]zdat, 1963. 62 p. diagrs.

PIPE MILLS—TECHNOLOGICAL INNOVATIONS see subdivision under Novosibirsk

PIPELINES

Standard designs for pipeline crossings over swamps and small impediments. L. P. Khilupin. Transp. i khran. nefti no. 1:10-14 '63.

PIPELINES—ABSTRACTS

[Pipeline transportation] Ref. zhur.: Trub. transp. no. 10 O '63

PIPELINES—CORROSION

Strizhevskii, I. V. [Theory and design of drainage and cathodic protection of main pipelines against stray current corrosion] Teoriia i raschet drenazhnoi i katodnoi zashchity magistral'nykh truboprovodov ot korrozii blozhdaiushchimi tokami. Moskva, Gostoptekhizdat, 1963. 236 p.

PIPELINES—PRODUCTION STANDARDS

Pobedinskii, L. V. [Setting up technical norms in the construction of main pipelines] Tekhnicheskoe normirovanie na stroitel'stve magistral'nykh truboprovodov. Moskva, Gostoptekhizdat, 1963. 110 p.

PIPELINES—WELDING

Electric contact butt welding of main pipelines Inform. biul. VDNKh no. 7:11-13 Jl '62.

PIPERYLENE

Hydrogenation of stereoisomers of piperylene on metallic catalysts L. Kh. Freidlin, E. I. Latvin. Neftekhimiia 3 no. 3:326-329 My-Je '63.

Studies in radiation polymerization. Part 2. Radiation polymerization of piperylene [with summary in English] V. S. Ivanov and others. Vysokom. soed. 5 no. 8:1255-1262 Ag '63.

PIROGOV, NIKOLAI IVANOVICH, 1810-1881

Geselevich, A. M. and E. I. Smirnov. [Nikolai Ivanovich Pirogov; a biographical sketch] Nikolai Ivanovich Pirogov, nauchno-biograficheskii ocherk. Moskva, Gos. izd-vo med. lit-ry, 1960. 177 p. (Niv)

PISTON RINGS

Double piston rings. M. Starikov. Sel'. mekh. no. 5:17 My '63.

Manufacture of steel piston rings based on over-all automation of technological processes. M. I. Basov. Avt. prom. 29 no. 8:34-37 S '63.

PISTONS

Engineering method for calculating the unsteady motion of the high-pressure hydraulic mechanism of a piston. V. F. Aleksandrov. Trudy LTITSBP no. 9:183-188 '61

PITKEVICH, MIKHAIL GRIGOR'EVICH, 1900-1963

Mikhail Grigor'evich Pitkevich (1900-1963). Mash.-zhiz.-prom. 29 no. 7:47 Jl '63.

PITUITARY BASOPHILISM see Cushing syndrome

PITUITARY BODY

Neurosecretion of the hypothalamicohypophyseal system in the rat. V. F. Maforova. Dokl. AN SSSR 152 no. 1:244-245 S '63.

PITUITARY GLAND—DISEASES

Some manifestations of hyperfunction of the pituitary-adrenal system in tuberculosis patients following antibacterial therapy. N. Kh. Platner, V. S. Libenson, G. A. Sumbatov. Probl. tub. 41 no. 5:79-80 '63.

PIY-KHEMSKIY DISTRICT—NEMATODA

A new lung nematode of maral. S. N. Boev, A. D. Sulimov. Trudy Inst. zool. AN Kazakh. SSR 19:89-92 '63.

PIY-KHEMSKIY DISTRICT—PARASITES—MARAL

A new lung nematode of maral. S. N. Boev, A. D. Sulimov. Trudy Inst. zool. AN Kazakh. SSR 19:89-92 '63

PLACER DEPOSITS

Reducibility of iron-titanium, chromium-containing concentrates from placer deposits. V. I. Solov'ev. Titan i ego splavy, no. 9:82-85 '63.

PLANT BREEDING

Akademiia nauk SSSR. Institut genetiki. [Genetics in agriculture] Genetika — sel'skomu khoziaistvu. Moskva, Izd-vo Akad. nauk SSSR, 1963. 794 p. (DNAL)

Effect of plant selection based on the strength of the root system on the increase of the yield and the improvement of its quality in the progeny [with summaries in English, German, and French]. F. G. Kirichenko. Vest. sel'khoz. nauki 8 no. 4:3-20 Ap '63.

Successes of Soviet plant breeding. A. P. Gorin, K. S. Mitrofanova. Biol. v shkole no. 4:82-86 Jl-Ag '63

PLANT COMMUNITIES *see subdivision* under Bet-Pak-Dala, Kazakhstan

PLANT CUTTINGS

Methodology of studying the nutrition of green cuttings in a water-gravel culture. A. P. Kornatskii. Dokl. TSKHA no. 62:329-334 '61.

PLANT DISEASES

(see also subdivision under) Mongolia)

Effect of fungus and virus infection on the [illegible] of plants, at food plants. Z. I. V. [illegible] no. 12:905-908 D '62

PLANT DISEASES—BIBLIOGRAPHY see subdivision under Plant diseases

PLANT INTRODUCTION

(see also subdivision under Rhipidistia, Mysore, Murmansk Province)

"Results of the introduction of trees and shrubs [illegible] Forest Steppe Experimental Breeding Station during [illegible] years" by N. G. Akimochkin. [illegible] Zamalaim. Bot. zhur. 48 no. 2 [illegible] '63

Shtykov, G. N. [Introduction and acclimatization of plants, introduction to the cultivation and acclimatization in new regions] Introduktsiia i aklimatizatsiia rastenii; vvedenie v kul'turu i akklimatizatsiia v novykh raionakh. Moskva, Sel'khozizdat, 1963. 487 p. (DNAL)

PLANT LICE—EXTERMINATION

Controlling aphids in fruit plantations. V. N. [illegible] Zashch. rast. ot vred. i bol. 8 no. 8:28 My '63

Vine cherry aphid. K. A. Mamaev. Zashch. rast. ot vred. i bol. 8 no. 7:36 Jl '63

PLANT PHYSIOLOGY

Following Michurin's path. T. Olenikova. Vest. sel'khoz. nauki 8 no. 4:148-149 Ap '63.

Physiological changes in spring wheat under various conditions. B. I. Shcherbakov. Dokl. AN [illegible] no. 1:231-234 S '63.

"Physiology of plants" by V. I. Novikov. Reviewed by P. V. Viktorov. Nauch. dokl. vys. shkoly, biol. nauki no. 3:229-230 '63.

PLANT QUARANTINE see subdivision under Batumi Gudauty region

PLANT TEMPERATURE see subdivision under Tajikistan

PLANTERS (AGRICULTURAL MACHINERY)

Increased stability in the motion and depth penetration of the furrow openers of planters. V. M. Sokolov. Nauch. trudy UNIIMESKH 1:58-69 '62.

Seed distribution of vegetable crops and mineral fertilizers in wide row planting. S. I. Ivovenko. Nauch. trudy UNIIMESKH 4:51-57 '62.

The STSN-6 sugar beet planter. M. Grol', V. Popov. Tekh. v sel'khoz. 23 no. 5:49-50 My '63.

Study of a pea planting process. M. D. Galenko, N. A. Manolio. Nauch. trudy UNIIMESKH 4:3-16 '62.

PLANTING TIME

(see also subdivision under Ukraine)

Results of research on the planting time for [illegible] A. Abdev. Trudy Inst. zool. AN Uz. SSR no. 1:49-[illegible] '63.

PLANTS—ASSIMILATION

Growth and developmental phases of annual [illegible] root system of apple as related to the dynamics of [illegible] take and distribution of tagged phosphorus [with summary in English]. V. A. Kolesnikov, I. Dubrovskaia. [illegible] TSKHA no. 30:117-[illegible] '63.

PLANTS—CHEMICAL ANALYSIS

(see also subdivision under Tashkent Province)

Change in the content of nutritive substances in dead leaves of the European beech. A. M. Gulyaeva. Izv. dokl. vys. shkolyzhiz. nauki no. 1:103-105 '63.

PLANTS—DISEASE AND PEST RESISTANCE

Useful manual. B. A. Rubin. Nauch. dokl. vys. shk. biol. nauki no. 3:225-226 '64.

PLANTS—EVOLUTION *see subdivision under Central* Europe

PLANTS—FROST RESISTANCE

Effect of treating seeds with variable temperature and trace elements on the cold resistance and yield of crops. E. M. Penkratova. Agrobiologiia no. 4:553-557 Jl-Ag '63.

Fruit trees at very low temperatures. Priroda 52 no. 8:104-105 Ag '63.

Recent developments in breeding potatoes for frost resistance of the tops. I. A. *Vendelovskii*, O. Kuznetsova. Vest. sel'khoz. nauki 8 no. 4:139-140 Ap '63.

Some features of the phenological development of the gooseberry in connection with frost injury. A. S. Ravkin. Dokl. TSKHA no. 62:315-321 '61.

PLANTS—IRRITABILITY AND MOVEMENTS

Ontogenetic changes in the daily rhythm of movements of kidney bean leaves [with summary in English]. F. P. Krastina. Izv. TSKHA no. 3:62-71 '63.

PLANTS—METABOLISM

Effect of some metabolites on somatic mutations in Erysimum cheiranthoides L. V. L. Ryzhkov. Dokl. AN SSSR 152 no. 1:205-207 S '63.

PLANTS—NUTRITION

Capacity of various grains on an ear to utilize nutritive substances. IU. B. Konovalov. Dokl. TSKHA no. 62 125-131 '61.

Effect of mineral nutrition on the optical characteristics of leaves [with summary in English] IU. E. Giller. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh SSR no. 3 53-61 '63.

Extent of the selective absorption capacity of plants for the elements of mineral nutrition. D. B. Vakhmistrov, Z. I. Zhubritskii. Dokl. AN SSSR 151 no. 5 1228-1231 Ag '63.

Relation between the yield of the strawberry and the time of foliar feeding and the age of the plants. N. A. Khodzhaeva. Dokl. TSKHA no. 62 323-328 '61.

PLANTS—OPTICAL PROPERTIES see subdivision under Tuva A.S.S.R.

PLANTS—REPRODUCTION

Some characteristics of vegetative reproduction in Poa longifolia Trin. I. K. Artamonova. Nauch. dokl. vys. shkoly, biol. nauki no. 3:119-124 '63.

PLANTS—RESPIRATION

Changes in phosphorus compounds and gas exchange in barley coleoptiles at high temperatures [with summary in English] P. S. Belikov, M. I. Dmitrieva. Izv. TSKHA no. 3:49-61 '63.

Effect of water content in leaves on the intensity of photosynthesis and respiration [with summary in English]. Z. Abdurakhmanova, M. IAkubova. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh SSR no. 3 13-16 '63.

PLANTS—TRANSPIRATION

Transpiration of fruit trees in summer [with summaries in English, German, and French] T. I. Gorin. Vest. sel'khoz. nauki 8 no. 1:114-117 Ap '63.

PLANTS—WATER REQUIREMENTS

Effect of water content in leaves on the intensity of photosynthesis and respiration [with summary in English] Z. Abdurakhmanova, M. IAkubova. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh SSR no. 3,13-16 '63.

Interrelation between the photosynthesis and water metabolism in plants [with summary in English] IU. S. Nasyrov, Z. N. Abdurakhmanova, IU. E. Giller. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR no. 3:3-12 '63.

Metabolism of carbon absorbed in photosynthesis by plants as related to the conditions of water supply [with summary in English] L. M. Makhmadbekova, IU. S. Nasyrov. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh SSR no. 3 17-22 '63.

Photosynthesis and water balance in plants as related to their ecology and origin [with summary in English] K. P. Rakhmanina, IU. S. Nasyrov. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh SSR no. 3 23-28 '63.

Water balance of herbaceous summer plants in oak forests [with summary in English]. T. K. Goryshina, V. IA. Smirnova, Ti Chan-tszin' [T'i Ch'ang-chin]. Vest. LGU 18 no. 15:29-37 '63.

PLANTS, CULTIVATED

[Plant culture] Ref. zhur.: Rast. no. 9 O '63.

PLANTS, EFFECT OF ALDRIN ON

Effect of aldrin on the germination of seeds of some corn varieties. Zh. L. Lukpanov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 5:43-45 My '63.

PLANTS, EFFECT OF ARIDITY ON

Physiological changes in spring wheat under drought conditions. B. I. Shcherbakov. Dokl. AN SSSR 152 no. 1:231-234 S '63.

Water economy and the formation of young pine growths on the sands of the Middle Don. N. A. Voronkov. Nauch. dokl. vys. shkoly; biol. nauki no. 3:131-138 '63.

PLANTS, EFFECT OF BENZENE HEXACHLORIDE ON

Effect of hexachloran on crop yields. I. N. Kazakov. Zashch. rast. ot vred. i bol. 8 no. 5:24-25 My '63.

PLANTS, EFFECT OF CALCIUM ON

Protective role of calcium ions under the unfavorable effects of the environment [with summary in English]. A. E. Petrov-Spiridonov. Izv. TSKHA no. 3:72-82 '63.

PLANTS, EFFECT OF CHLORIDES ON

Nature of the effect of chlorides on potato plants. S. H. Ilalaktsieneu. Vestsi AN BSSR, Ser. biial. nav. no. 1: 38-41 '63.

PLANTS, EFFECT OF COBALT ON

Effect of cobalt on plants. T. A. Danilova. Trudy VIUA no. 38:305-312 '61.

PLANTS, EFFECT OF ELECTRICITY ON

Crop of invisible fields. A. Abdullin, B. Bozhanov, Izobr. i rats. no. 7 4-5 '63.

PLANTS, EFFECT OF GAMMA RAYS ON

Aftereffect of the irradiation of cotton seeds with relatively small doses of gamma rays. N. N. Nazirov. Agrobiologiia no. 4:541-547 Jl-Ag '63.

PLANTS, EFFECT OF HEAT ON

Changes in phosphorus compounds and gas exchange in barley coleoptiles at high temperatures [with summary in English]. P. S. Belikov, M. I. Dmitrieva. Izv. TSKHA no. 3:49-61 '63.

PLANTS, EFFECT OF HYDROGEN-ION CONCENTRATION ON

Dependence of the intensity of extremely weak chemiluminescence of plants on the temperature and pH of the environment. R. Gasanov, T. G. Mamedov. Nauch. dokl. vys. shkoly; biol. nauki no. 3 88-92 '63.

PLANTS, EFFECT OF LIGHT ON

Changing some characteristics of corn by controlling the effect of light. M. K. Selavii. Dokl. TSKHA no. 62 143-151 '61.

Effect of the spectral composition, intensity of radiation, and duration of photoperiods on the development, growth, and morphogenesis of plants [with summaries in English, German, and French]. I. A. Shul'gin, F. M. Kuperman, S. M. Meitsalov. Vest. sel'khoz. nauki 8 no. 4 21-33 Ap '63.

Formation of the generative organs in new types of hard winter wheats under conditions of varying light. V. A. Pukhal'skii. Dokl. TSKHA no. 62:133-141 '61.

[Light and the development of plants] Svet i razvitie rastenii [By] S. S. Shain i dr. Moskva, Sel'khozizdat, 1963. 622 p. (DNAL)

Vegetable gardening under artificial illumination. A. A. Shakhov. Priroda 52 no. 8:122-123 Ag '63.

PLANTS, EFFECT OF MAGNESIUM ON

Effect of magnesium applied during the liming of soils on the yield of root crops. F. I. Semenova. Trudy VIUA no. 38 73-92 '61.

PLANTS, EFFECT OF METALS ON

Effect of zinc deficiency on some anatomic indicators of bast fibers of flax. N. V. Porokhnevich. Dokl. AN BSSR 6 no. 12:798-800 D '62.

PLANTS, EFFECT OF MOLYBDENUM ON

Using molybdenum in the non-Chernozem belt of the Soviet Union. O. K. Kedrov-Zikhman. Trudy VIUA no. 30:275-286 '61.

PLANTS, EFFECT OF RADIOACTIVITY ON

Results of using Ca^{45} in studying the liming of soils and the effect of the radiation of that radioisotope on farm plants. O. K. Kedrov-Zikhman, T. I. Semenova, A. N. Kozhevnikova. Trudy VIUA no. 38 20-73 '61.

PLANTS, EFFECT OF RAIN ON

Rainy weather and fruit bearing of woody plants. N. E. Bulygin. Priroda 52 no. 8,126 Ag '63.

PLANTS, EFFECT OF STRONTIUM ON

Harmful effect of strontium-90 on wheat [with summary in English]. E. V. IUdintseva. Izv. TSKHA no. 3:91-102 '63.

PLANTS, EFFECT OF TEMPERATURE ON

Dependence of the intensity of extremely weak chemiluminescence of plants on the temperature and pH of the environment. R. Gasanov, T. G. Mamedov. Nauch. dokl. vys. shkoly; biol. nauki no. 3:88-92 '63.

Effect of continuous below-freezing temperatures on the germinating and biochemical properties of corn seeds. IU. S. Rall'. Dokl. TSKHA no. 62:491-496 '61.

Effect of treating seeds with variable temperatures and trace elements on the cold resistance and yield of corn. E. M. Pankratova. Agrobiologiia no. 4:553-557 Jl-Ag '63.

Flowering of sour cherries as related to air temperature [with summary in English]. V. A. Efimov. Izv. TSKHA no. 3:148-154 '63.

Materials on the study of causes of the negative effect of low temperatures above freezing point on the germination of corn seeds and the protective reaction of sprouts to the loss of the leaf surface. K. I. Popov. Trudy Kaz. SKHI no. 43:45-59 '61.

PLANTS, EFFECT OF TRACE ELEMENTS ON (see also subdivision under Uzbekistan)

Effect of some chemical substances on the keeping quality of hop cones. V. P. Prochaiev. Visnyk sil'hosp. nauky 6 no. 8:59-61 Ag '63.

Effect of trace elements on the yield of tomatoes in Podzolic soils. A. Naboishchikova, A. Negoreshkov, IU. Sil'ianova. Trudy Kaz. SKHI no. 43:113-115 '61.

Effect of treating seeds with variable temperatures and trace elements on the cold resistance and yield of corn. E. M. Pankratova. Agrobiologiia no. 4 553-557 Jl-Ag '63.

Studying industrial wastes containing trace elements. A. P. Kevorkov. Trudy VIUA no. 38:286-305 '61.

PLANTS, EFFECT OF ULTRAVIOLET RAYS ON

Dubrov, A. P. [Effect of ultraviolet radiation on plants] Deistvie ul'trafioletovoi radiatsii na rastenita. Moskva, Izd-vo Akad. nauk SSSR, 1963. 123 p.

PLANTS, EFFECT OF X RAYS ON

Effect of X-raying of the seeds of grafted beet plants on root formation in the first generation. A. S. Palamarchuk. Nauch. dokl. vys. shkoly; biol. nauki no. 3:178-181 '63.

PLANTS, FLOWERING OF

Biology of flowering in species of the genus Cassia. K. Khodzhaev. Uzb. biol. zhur. 7 no. 3:18-21 '63.

Flowering of sour cherries as related to air temperature [with summary in English]. V. A. Efimov. Izv. TSKHA no. 3:148-154 '63.

PLANTS, PROTECTION OF

(see also subdivision under Rostov Province)

Brief information. Zashch. rast. ot vred. i bol. 8 no. 5: 56-57 My '63.

Brief news. Zashch. rast. ot vred. i bol. 8 no. 5:61-62 My '63.

Improve the training of specialists. Zashch. rast. ot vred. i bol. 8 no. 7 3-5 Jl '63.

On the "Prigorodnyi" State Farm. N. N. Nikiforov, V. D. Kuptianova. Zashch. rast. ot vred. i bol. 8 no. 7 6-7 Jl '63.

Questions and answers. Zashch. rast. ot vred. i bol. 8 no. 5:42 My '63.

Questions and answers. Zashch. rast. ot vred. i bol. 8 no. 7 39 Jl '63.

Readers' letters. Zashch. rast. ot vred. i bol. 8 no. 5: 15, 19 My '63.

Weather features of 1960 in Moscow Province. S. A. Maksimov. Dokl. TSKHA no. 62 185-190 '61.

PLANTS, PROTECTION OF—BIBLIOGRAPHY see Bibliography—Plants, Protection of

PLANTS, PROTECTION OF—CONGRESSES

Local reports. Zashch. rast. ot vred. i bol. 8 no. 7 59-60 Jl '63.

PLANTS, PROTECTION OF—ECONOMIC ASPECTS

How to determine the economic effectiveness of plant protection. M. A. Glebov. Zashch. rast. ot vred. i bol. 8 no. 7 30-32 Jl '63.

PLANTS, PROTECTION OF—STUDY AND TEACHING

At the faculties of plant protection. E. M. Zazunova, B. M. Podolich. Zashch. rast. ot vred. i bol. 8 no. 7 11-12 Jl '63.

Correspondence school for training specialists. A. F. Glushchenko. Zashch. rast. ot vred. i bol. 8 no. 7 9-11 Jl '63.

PLANTS, SPACE ARRANGEMENT OF

Dynamics of intraspecific relations in Brassica napus L. in stands of different density. V. N. Makarevich. Trudy Bot. inst. Ser. 3 no. 14:186-197 '63.

Effect of the density of plants on the growth and development of hybrid corn in southern Turkmenistan. IA. Orazov. Izv. AN Turk. SSR, Ser. biol. nauk no. 4, 72-76 '63.

Effect of the spacing of plants on some physiological characters of spring rape. A. I. Sinetannikova. Trudy Bot. inst. Ser. 3 no. 14:198-207 '63.

Effect of the spacing of plants on the tall oat grass (Arrhenatherum elatius (L.) M. et K.). A. P. Shennikov, N. B. Serafimovich. Trudy Bot. inst. Ser. 3 no. 14: 208-226 '63.

Growing sugar beets in checkrows. R. R. Khuzhnov. Trudy Kaz. SKHI no. 43:91-97 '61.

Growth and development of cotton planted in wide rows. A. Alladuryev. Izv. AN Turk. SSR, Ser. biol. nauk no. 4: 21-25 '63.

Some regularities in the growth and development of corn with a different density of the stand. V. G. Sulefmanov. Dokl. TSKHA no. 62 45-52 '61.

PLASMA (IONIZED GASES)

Absorption of an electromagnetic wave incident on a half-space filled with a plasma [with summary in English]. V. V. Arsenin. Izv. vys. ucheb. zav., radiofiz. 6 no. 3:457-460 '63.

Acceleration of charged particles by plasma waves. V. N. TSytovich. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:041-044 '63.

A class of nonlinear solutions of a kinetic equation without allowance for the collisions integral. F. M. Nekrasov. Zhur. tekh. fiz. 33 no. 7 769-775 Jl '63.

Compression of a high-frequency ring discharge by an increasing magnetic field. M. D. Raizer. Zhur. tekh. fiz. 33 no. 7:839-842 Jl '63.

Compression of a plasma in a magnetic trap with opposing fields. B. P. Kononov. Zhur. tekh. fiz. 33 no. 7, 835-838 Jl '63.

Contribution to the theory of electrodynamic acceleration of plasma clots in a coaxial accelerator. N. A. Khizhniak, P. M. Kolesnikov. Zhur. tekh. fiz. 33 no. 7:820-822 Jl '63.

Contribution to the theory of stationary states of a high-temperature plasma; a plasmoid with a longitudinal magnetic field. E. F. Tkalich, V. S. Tkalich. Zhur. tekh. fiz. 33 no. 7:815-819 Jl '63.

Convection in a weakly ionized plasma in an inhomogeneous external magnetic field. A. V. Timofeev. Zhur. tekh. fiz. 33 no. 7:776-781 Jl '63.

Effect of collisions on the localization of electrons in a high-frequency field. IA. M. Pinskii. Zhur. tekh. fiz. 33 no. 7:864-866 Jl '63.

Field structure in the cross section of a plasma-filled wave guide. V. P. Demidov. Zhur. tekh. fiz. 33 no. 4:408-411 Ap '63.

Instability of a solitary wave moving in a plasma along a magnetic field. A. D. Patarala. Zhur. tekh. fiz. 33 no. 4:412-414 Ap '63.

PLASMA (IONIZED GASES) (Continued)
Magnetic sound in a plasma with thermal motion. Part 2 Absorption of magnetoacoustic waves in a plasma V. P. Demidov, D. A. Frank-Kamenetskii, V. L. Iakimenko. Zhur. tekh. fiz. 33 no. 4:398-405 Ap '63
Parametric amplification of transverse electromagnetic waves in a plasma with periodically varying electron concentration [with summary in English]. N. S. Stepanov. Izv. vys. uchab. zav., radiofiz. 6 no. 3:461-468 '63.
Passage of a signal between two superhigh-frequency probes immersed in a plasma S. M. Levitskii, I. P. Shashurin. Zhur. tekh. fiz. 33 no. 4:429-435 Ap '63
Radiation from readily ionizable impurities in a plasma in the case of thermal excitation O. P. Semenova, M. A. Levchenko. Dokl. AN SSSR 151 no. 1:90-91 Jl '63.
Radiation of an electron moving spirally in a magnetoactive plasma. Part 3. V. I. Pakhomov, K. N. Stepanov. Zhur. tekh. fiz. 33 no. 4:437-443 Ap '63
Radio sounding of a plasma moving inversely to the electrodynamic acceleration in a coaxial accelerator V. B. Brodskii and others. Zhur. tekh. fiz. 33 no. 4:426-428 Ap '63.
Radio sounding of plasma clots. V. B. Brodskii and others. Zhur. tekh. fiz. 33 no. 4:419-425 Ap '63
Relaxation of the temperature of charged particles in a plasma. I. S. Baikov, R. R. Ramazashvili. Zhur. tekh. fiz. 33 no. 7 890-892 Jl '63.
Role of an electrostatic field in the propagation of electromagnetic waves in a plasma. V. V. Zheleznikov, E. IA. Zlotnik. Izv. vys. ucheb. zav., radiofiz. 6 no. 3:634-636 '63.
Scattering of electromagnetic waves by fluctuations in a plasma in the presence of a magnetic field [with summary in English]. A. G. Sitenko, IU. A. Kirochkin. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:469-479 '63.
Self-simulating motion of a cylindrical plasma column. B. N. Krasnov. Zhur. tekh. fiz. 33 no. 4:415-418 Ap '63.
Some methods for studying the dynamic structure of plasma streams. A. M. Trokhan. PMTF no. 3:155-168 My-Je '63.
Space correlation of random electromagnetic fields in a plasma. Part 2 [with summary in English]. V. F. Aleksin, K. N. Stepanov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:480-487 '63.
A stable plasma. D. A. Frank-Kamenetskii. Priroda 52 no. 8:18-19 Ag '63.
Structural stability of a shock wave front moving across a magnetic field in a rarefied plasma. V. I. Karpman, R. Z. Sagdeev. Zhur. tekh. fiz. 33 no. 7 805-814 Jl '63.
Theory of the motion of charges along the axis of a channel in a medium. V. N. TSytovich. Zhur. tekh. fiz. 33 no. 7:705-800 Jl '63.

PLASMA (IONIZED GASES)—ELECTRIC PROPERTIES
Effect of near-the-electrode regions on the electric resistance of a weakly ionized plasma. E. B. Sonin. Zhur. tekh. fiz. 33 no. 7 872-881 Jl '63.

PLASMA OSCILLATIONS
Self-oscillations of a plasma ellipsoid in a constant magnetic field. IU. A. Berezin. Zhur. tekh. fiz. 33 no. 7:788-794 Jl '63.
Slowly decaying oscillations of an inhomogeneous plasma. V. P. Silin. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:640-641 '63.

PLASTIC BEARINGS—TESTING
Effect of an abrasive medium on antifriction properties of capron sliding bearings. IU. A. Evdokimov, A. F. Kotenko. Vest. mashinostr. 43 no. 8:46-48 Ag '63.

PLASTIC SURGERY see Surgery, Plastic

PLASTICITY
Adaptability of thick-walled tubes under nonuniform heating. D. A. Gokhfel'd, P. I. Ermakov. PMTF no. 3:107-110 My-Je '63.
Condition for complete plasticity in the case of axial symmetry. D. D. Ivlev, T. N. Martynova. PMTF no. 3:102-104 My-Je '63.
Condition for the deformation of a rigid-plastic body in a single plane involving the detachment of a chip. V. I. Sadchikov. PMTF no. 3:105-107 My-Je '63.
Indirect method for the determination of clay plasticity I. V. Gebler. Izv. TPI 111:83-85 '61
Method for determining plasticity characteristics without the use of samples. M. P. Markovets. Zav. lab. 29 no. 8:976-980 '63.
Physicochemical theory of plasticity based on Professor S. I. Gubkin's materials. M. A. Baranovskii, N. A. IUrkshtovich. Sbor. nauch. trud. Bel. politekh. inst. no. 66:117-136 '57.
Stability of inelastic plates allowing for deformations due to transverse shear. S. A. Ambartsumian. Prikl. mat. i mekh. 27 no. 4:753-757 Jl-Ag '63.

PLASTICIZERS
Diphenic acid esters and their plasticizing properties. L. P. Kulev and others. Izv. TPI 111 26-29 '61.
Effect of some plasticizers on the adhesion, aging, and chemical stability of films from epoxide compounds I. Z. Chernin, I. P. Losev, O. IA. Fedotova. Lakokras mat. i ikh prim. no. 3:26-27 '63

Levenie, P. I. [Use of the LZ-5 plasticizer in the manufacture of leather and industrial fabrics] Primenenie plastifikatora LZ-5 pri proizvodstve kozh. i tekhnicheskikh tkanei. Moskva, Gizlegprom, 1963 28 p

PLASTICS
Guzenkov, P. G. [Plastics in the machinery industry and plastic machine parts] Plastmassy v mashinostroenii i detali mashin iz plastmass, lektsiia Moskva, Vses zaochnyi politekhnicheskii in-t, 1961. 52 p
Maintaining the dimensions of astrafoil and astralon plastic materials. Good. i hart. no. 8:66-69 Ag '63.
Malyshev, G. A., and A. N. Ezerskii [Fundamentals of the design and manufacture of plastic parts in the automobile industry] Osnovy proektirovaniia i proizvodstva detalei iz plastmass v avtomobilestroenii Moskva, *Mashgiz, 1963 231 p*
Manufacture of goods from plastics Inform. biul. VDNKh no. 7:17 Jl '62.
Mechanism of the delayed destruction of polyester vitreoplastics. V. A. Bernshtein, L. A. Glikman. Fiz. tver. tela 5 no. 8:2278-2284 Ag '63.
Plastic dies. S. I. Efremov. Mashinostroitel' no. 7:17-18 Jl '63.

PLASTICS—MOLDING
Die-casting mold for molding plastic parts. V. G. Kovalenko. Mashinostroitel' no. 7:28 Jl '63.
Sectional mold for the polymerization of styrene. E. P. Kukhta, IU. N. Forostian. Khim. mashinostr. no. 1:35 Jl-Ag '63.

PLASTICS—OPTICAL PROPERTIES
New lighting equipment. V. A. Soldatenko, I. M. Fundyler. Sudostroenie 29 no. 7:62 Jl '63.

PLASTICS IN MEDICINE
Enigmas and discoveries. Nauka i zhiz. 4 no. 7:36-39 Jl '63
Gatings on dies for casting thermoplastic materials under pressure. T. D. Moldover, N. B. Vidgof. Nov. med tekh. no. 4:76-80 '61.

PLATE TOWERS
Leaking of liquid through the openings of a grid tray in a foam apparatus. M. E. Pozin, E. IA. Tarat, L. Mrniak. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:310-319 '03.

PLATINUM CATALYSTS
Hydrogenation of diene hydrocarbons on a liquid phase platinum catalyst. L. Kh. Freidlin, E. F. Litvin Izv. AN SSSR, Ser. khim no. 7:1307-1312 Jl '63

PLATINUM ELECTRODES see Electrodes, Platinum

PLATINUM-RHODIUM ALLOYS see Rhodium-platinum alloys

PLATTEN, FRITS PETROVICH, 1883-1942
Frits Platten. A. Ivanov. Ogonek 41 no. 28-12-13 Jl '63.

PLAY
Personification of favorite fairy tales A. IEgorova. Doshk. vykh. 24 no. 9:31-33 S '63
Relation between play and work. V. Nechaieva. Doshk. vykh. 24 no. 9:8-14 S '63.
When nothing good can be expected of play... V. Zorin. Sem'ia i shkola 18 no. 6:47-48 Je '63.

PLAZAS
Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat,
Pt. 2. Sec. K. ch. 3. [Streets, roads, and squares in populated places; standards of design] Ulitsy, dorogi i ploshchadi naselennykh mest; n normy proektirovaniia (SNiP II-K. 3-62). 1963. 32 p.

PLEKHANOV, GEORGII VALENTINOVICH, 1856-1918
Pioneers of Marxism in Russia. A. F. Kostin. Vop. ist. KPSS 7 no. 9:22-37 S '63.

PLEURA—FOREIGN BODIES
Case of a fibrinous body in the pleural cavity. R. M. Agranovich. Vest. rent. i rad. 38 no. 2:61-62 Mr-Ap '63.

PLEURA—TUMORS
Mesotheliomas of the peritoneum and pleura. N. G. Gataullin, R. Kh. Atlasova. Sov. med. 27 no. 7:125-128 Jl '63.

PLEURISY
Expedient treatment of purulent pleurisy in childhood. E. F. Kostiushko. Zdravookhranenie 6 no. 1:24-26 Ja-F '63.

PLOWING
(see also subdivision under Central Chernozem region; Russia, Southern)
Early deep fall-plowed planed fields increases the crop yields. F. I. Bartenev. Zemledelie 25 no. 7:36-37 Jl '63.

PLOWS
Nature and intensity of the wear of the ploughshares of tractor-mounted plows. I. M. Sementuk Nauch. trudy UNIIMESKH 4 102-105 '62
The PKBN-75 shrub and bog plow. IU. Bogolepov, IA. Priborkin Tekh. v sel'khoz 23 no. 5:69-70 My '63

PLUM see subdivision under Gorkiy Province

PLUM—DISEASES AND PESTS see subdivision under Russia, Southern

PLUM—VARIETIES see subdivision under Kirghizistan

PLUMB-LINE DEFLECTIONS
Using plumb lobs in geometrical orientation of mines I. G. Lisitsa Gor. zhur. no. 8 49-52 Ag '63

PLURALITY OF WORLDS
Life elsewhere in the universe A. A. Imshenetskii. Vest. AN SSSR 33 no. 9:23-29 S '63.

PNEUMATIC CONTROL
Pneumatic multiplier circuit. V. A. Afonin, P. P. Ternikov. Priborostroenie no. 7:1-2 Jl '63
Selecting the drive of the control element in a pneumatic control system. V. S. Prusenko. Priborostroenie no. 9:14-16 S '63.
Static and dynamic linearization of pneumatic units. IU. I. Ivlichev. Priborostroenie no. 9:8-10 S '63.

PNEUMATIC CONVEYING
Designing vibratory pneumatic conveying apparatus. I. F. Gonchar'evich. Vop. mekh. transp no. 7 150-162 '63.
Pneumatic conveying at the grinding section of the Leningrad Kirov Milling Combine A. Chaiun Muk.-elev. prom. 29 no. 3 11-12 Mr '63
Resources in designing pneumatic conveying systems for flour mills A. Kemmer Muk.-elev. prom. 29 no. 3 20-22 Mr '63

PNEUMATIC GAUGES
Using functions of optimum approximation in designing pneumatic measuring devices. O. B. Balakshin. Trudy Inst. mash. Sem. po tech. v mash. i prib. no. 17 13-21 '63.

PNEUMATIC MACHINERY
Universal pneumatic conveying of band material to the working space of presses. A. A. Evgrashin. Avt. prom. 29 no. 9:39-40 S '63.
Using pneumatic elements in sheet metal working dies A. S. Degterev, N. V. Shcherbakov. Kuz.-shtam. proizv. 5 no. 7:41-44 Jl '63.

PNEUMOGASTRIC NERVE see Vagus nerve

PNEUMONIA
Architectonics of branches of the pulmonary artery in children during the first 2 years of life in health and in pneumonia. I. G. Poddubnyi. Zdravookhranenie 6 no. 1 44-49 Ja-F '63
Blood protein fractions and C-reactive protein in patients with chronic nonspecific pneumonia [with summary in English]. A. K. Shestnev. Vrach. delo no. 8:86-89 Je '63.
Data on the study of isolated lesions of the middle lobe of the right lung [with summary in English]. A. I. Shekhter. Vest. rent. i rad. 38 no. 2:31-37 Mr-Ap '63.
Role of bronchography in chronic pneumonias in children. V. A. Platonova. Vest. rent. i rad. 38 no. 2:60 Mr-Ap '63.

PNEUMOPERITONEUM, ARTIFICIAL
Use of diagnostic pneumoperitoneum in a therapeutic clinic [with summary in English]. B. M. Astapov. Terap. arkh. 35 no. 1:50-56 Ja '63.

PNEUMOTHORAX
Ambulatory treatment of pulmonary tuberculosis patients with antibacterial preparations and artificial pneumothorax in a rural medical district [with summary in French]. A. P. Mansurov. Probl. tub. no. 8:17-22 '63.
Efficacy of artificial pneumothorax in pulmonary tuberculosis patients under rural conditions. P. P. Pekar' and others. Probl. tub. no. 8:71-75 '62.
Rational periods of therapeutic pneumothorax. D. V. Girin. Probl. tub. no. 8:99-102 '62.
Residual roentgenotomographic changes in pulmonary tissue following discontinuance of extrapleural pneumothorax and oleothorax. V. D. IAmpol'skaia. Probl. tub. 41 no. 3:84 '63.
Surgical treatment of chronic spontaneous pneumothorax [with summary in English]. A. I. Borovinskii Probl. tub. 41 no. 3:45-50 '63.

PODKAMENNAYA TUNGUSKA VALLEY—METEORITES
Cosmic dust and the present state of the study of the Tunguska meteorite [with summary in English]. K. P. Florenskii. Geokhimiia no. 3:294-296 Mr '63.
Preliminary results of a complex expedition for studying the Tunguska meteorite in 1961. K. P. Florenskii. Meteoritika no. 23:3-29 '63.

PODOLIA—GEOLOGY, STRATIGRAPHIC

Concerning H. H. Astrova's article "Age of Silurian sediments in Podolia." V. S. Krandiievs'kyi. Geol. zhur. 23 no. 3 117-119 '63.

PODOLIA—GEOLOGY, STRUCTURAL

New data on the tectonics and metallogenetic characteristics of Podolia. H. H. Vinohradov, A. IA. Drevin, E. IA. Zhovins'kyi. Geol. zhur. 23 no. 3 111-116 '63.

PODOLIA—ORE DEPOSITS

New data on the tectonics and metallogenetic characteristics of Podolia. H. H. Vinohradov, A. IA. Drevin, E. IA. Zhovins'kyi. Geol. zhur. 23 no. 3:111-116 '63.

PODOLIA—WATER, UNDERGROUND

Hydrochemical anomalies in the Volyn'-Podolian artesian basin. I. I. T'Sapenko. Geol. zhur. 23 no. 3:50-62 '63.

PODOL'SK—COMMUNIST YOUTH LEAGUE

On the captain's bridge of a plant. D. Piskunov. Tekh. mol. 31 no. 9:1-2 '63.

PODOL'SK—SEWING MACHINES

Kozlov, V. P., A. I. Oblezov, and P. P. Koketkin. [Seaming sewing machines with slanting needles of the 252 and 262 Class developed by the Podol'sk Mechanical Plant] Slachivalushchie shveinye mashiny 252 i 262 klassov PMZ s otkloniaiushchie iglami. Moskva, Gizlegprom, 1963. 51 p. (Novoe otechestvennoe oborudovanie)

PODOL'SK (MOSCOW PROVINCE)—MACHINERY INDUSTRY WORKERS

Inspired work is the first commandment. V. Kutakov. Sov. profsoiuzy 19 no. 11:16-18 Jl '63.

PODOPHYLLUM

Initial phases of embryogensis of Podophyllum Emodi Wall. E. S. Smirnov. Dokl. TSKHA no. 82-221-229 '61.

PODSHIVALOV, FEDOR IVANOVICH, 1799-?

A serf and freethinker. F. Nikitina. Nauka i rel. 4 no. 7:60-61 Jl '63.

PODVOISKII, NIKOLAI ILICH, 1880-1948

Soldier of the revolution. A. F. Silenko. Vop. ist. KPSS 7 no. 9 124-126 S '63.

PODZOL

Characteristics of the effect of fertilizers on turf-Podzolic soils. S. S. Sigarkin. Zemledelie 25 no. 9:50-53 S '63.

Effect of large amounts of mineral fertilizers upon the acidity of soil solution and the mobility of elements in little-cultivated strongly podzolized turf soils. I. I. Levin, E. N. Subbotina. Nauch. dokl. vys. shkoly; biol. nauki no. 3:218-222 '63.

Effectiveness of simultaneous use of lime and farm manure in turf-Podzolic soils. M. M. Romanenkova. Trudy VIUA no. 38:127-139 '61.

Formation of clayey minerals in Podzolic soils on sandy rocks of various ages [with summary in English]. N. I. Gorbunov, Z. Prusinkevich, B. P. Gradusov. Pochvovedenie no. 8:48-57 Ag '63.

POETS see subdivision under Kirov Province

POETS, WOMEN see subdivision under Uzbekistan

POGODIN, MIKHAIL PETROVICH, 1800-1875

If we look at the facts.... B. Meilakh. Vop. lit. 7 no. 7:102-104 Jl '63.

POISONOUS PLANTS

Stramony and henbane, poisonous plants. V. Bychkovskii. Doshk. vosp. 36 no. 6:84-86 Je '63.

POKROVSKII, MIKHAIL NIKOLAEVICH, 1868-1932

Outstanding builder of socialist schools; on the occasion of M. N. Pokrovskii's 95th birthday. Z. Ravkin. Nar. obr. no. 8:84-92 Ag '63.

V. I. Lenin and the gradual mastery of Bolshevik theory by M. N. Pokrovskii [with summary in English, pp. 220-221]. O. D. Sokolov. Vop. ist. 38 no. 8:30-41 Ag '63.

POLAND—BIBLIOGRAPHY

[New literature on Poland] Nov. lit. po Pol'. nos. 5-6 '63.

POLAND—BILLS OF LADING

Polish bills of lading in the direct railroad and water transportation of goods. Inform. sbor. TSNIIMF no. 56. Mor. pravo i prak. no. 11:61-66 '60.

POLAND—COKE INDUSTRY—EQUIPMENT AND SUPPLIES

Control and measuring instruments in the coke and coal chemical industry. M. Fel'dbrin. Koks i khim. no. 6:61-63 '63.

POLAND—COMMUNIST YOUTH LEAGUE

What youth can do for the country. Marian Renke. Mol. komm. no. 9:115-119 S '62.

POLAND—DESCRIPTION AND TRAVEL

Lukavets, A. I. [Toward a bright goal] Da svetlai mety. Minsk, Dziarzh. vyd-va BSSR, 1959. 66 p.

POLAND—ECONOMIC CONDITIONS

Poland and the Mutual Economic Assistance Council. Artur Bodnar. Nov. vrem. 21 no. 35:14-15 Ag '63.

POLAND—EDUCATION

"Educational process" by Wincenty Okon. G. I. Balanin. Sov. pedag. 27 no. 6:147-151 Je '63.

POLAND—EDUCATION, HIGHER

Development of higher education and science in the Polish People's Republic. I. K. Lkgol'm. Sov. pedag. 27 no. 7:129-136 Jl '63.

POLAND—FLOUR MILLS

Construction of a new milling combine in Poland. M. Tartakovskii. Muk.-elev. prom. 29 no. 3:29-30 Mr '63.

POLAND—GEOGRAPHY

"Geographical environment of Poland. Geographical prerequisites for the development of the national economy" [in Polish] by J. Kostrowicki. Reviewed by IU. V. Ilinich. Izv. Vses. geog. ob-va 95 no. 4:377-378 Jl-Ag '63.

POLAND—HISTORIOGRAPHY

Present-day historiography of the restoration of the Polish independent state. I. M. Teodorovych. Ukr. ist. zhur. 6 no. 3:123-128 My-Je '63.

POLAND—HISTORY

A glorious page from the history of the revolutionary movement. I. V. Sozin. Vop. ist. 38 no. 7:189-190 Jl '63.

POLAND—INDUSTRIES

Lukavets, A. I. [Toward a bright goal] Da svetlai mety. Minsk, Dziarzh. vyd-va BSSR, 1959. 66 p.

POLAND—MOVING OF BUILDINGS, BRIDGES, ETC.

Change of address of a building. R. Sosinskii. Tekh. mol. 31 no. 9:23 '63.

POLAND—RADIOLOGY, MEDICAL—CONGRESSES

The 21st Congress of Radiologists of the Polish People's Republic. L. D. Lindenbraten. Med. rad. 7 no. 11:89-92 N '62.

POLAND—RAILROADS

Progress in railroad transportation of the Polish People's Republic. Zhel. dor. transp. 45 no. 7:89-90 Jl '63.

POLAND—REVOLUTION, 1863-1961

Lvov historians celebrate the anniversary of the Revolution of 1863. M. S. Trusicvych. Ukr. ist. zhur. 6 no. 3:156 My-Je '63.

POLAND—TRAFFIC ACCIDENTS—CASES

Solution of crimes in the people's democracies. Cz. Cz. Matysiak. Vop. krim. no. 6/7:260-265 '62.

POLAR REGIONS—RADIO IN SURVEYING

The first application of radio in geodesic work beyond the polar circle (1922-1924). B. A. Ostroumov. Izv. vys. ucheb. zav.; radiotekh. 6 no. 3:320-322 My-Je '63.

POLARITY (CHEMISTRY)

Polarity of isomorphism [with summary in English]. V. A. Kirkinskii. Geokhimiia no. 2 122-131 F '63.

POLARIZATION (ELECTRICITY)

Electric conductivity of polymers. Part 6. Calculation of specific resistances in the region of dipole-radical polarization [with summary in English]. B. I. Sazhin, D. S. Filippovich. Vysokom. soed. 5 no. 8:1207-1212 Ag '63.

Unusual values of effective activation energy in concentration polarization. S. V. Gorbachev, E. M. Z. Shmidt. Zhur. fiz. khim. 37 no. 8:1877-1880 Ag '63.

POLARIZATION (LIGHT)

Distribution of the sodium atom population on sublevels of the ground state under the effect of optical pumping [with summary in English]. V. S. Nasonov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:529-535 '63.

Efficiency of optical pumping in vaporized sodium [with summary in English]. V. S. Nasonov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:518-528 '63.

Polymeric materials for the optical polarization method of stress determination. Part 1: Polymerization products in a ternary system of vinyl monomers and methods for the study of their thermomechanical properties [with summary in English]. S. I. Sokolov, T. V. Shamraevskaia, N. A. Shchegolevskaia. Vysokom. soed. 5 no. 8:1250-1254 Ag '63.

POLARIZATION (NUCLEAR PHYSICS)

Dynamic polarization of protons at 0.5°K. B. S. Neganov and others. Zhur. eksp. i teor. fiz. 45 no. 2:394-396 Ag '63.

Mobility of small-radius polarons at low temperatures. I. G. Lang, IU. A. Firsov. Zhur. eksp. i teor. fiz. 45 no. 2:378-380 Ag '63.

Polarization of elastically scattered 6.5 Mev. deuterons [with summary in English]. IU. A. Nemilov, L. A. Pobedonostsev. Zhur. eksp. i teor. fiz. 45 no. 2:103-106 Ag '63.

Polarization phenomena due to the Compton effect on a moving electron and the production of beams of polarized gamma quanta [with summary in English]. I. R. Arutiunian, I. I. Gol'dman, V. A. Tumanian. Zhur. eksp. i teor. fiz. 45 no. 2:312-315 Ag '63.

POLAROGRAPHY

Additional peak on the oscillographic polarogram of cadmium in the presence of oxygen and bromate ion [with summary in English]. G. A. Dobrenkov, R. K. Bankovskii. Zhur. fiz. khim. 37 no. 8:1786-1792 Ag '63.

Kogan, I. B. [Polarographic analysis in industrial sanitary chemistry] Polarograficheskii analiz v promyshlenno-sanitarnoi khimii. Moskva, Medgiz, 1961. 151 p.

Polarographic behavior of indium in citric acid solutions. G. V. Lavrova, V. A. TSimmerman, I. A. Sheka. Ukr. khim. zhur. 29 no. 6:601-609 '63.

Polarographic determination of lead and tellurium in technical selenium. R. G. Pats and others. Zav. lab. 29 no. 8:920-920 '63.

Polarographic reduction of gallium in a pyrocatechol solution [with summary in English]. A. I. Zelianskaia, L. IA. Kukalo. Zhur. anal. khim. 18 no. 6:725-728 Je '63.

Polarographic study of the composition of the complexes predominant in solution and present in the electrode reaction in the system titanium (IV) - titanium (III) in sulfuric acid solution [with summary in English]. A. G. Stromberg, A. I. Karushinskaia. Zhur. fiz. khim. 37 no. 8:1783-1789 Ag '63.

Shift of polarograms during complex formation. IU. K. Delimarskii, V. F. Grishchenko, A. V. Gorodyskii. Ukr. khim. zhur. 29 no. 5:497-502 '63.

Surface catalytic evolution of hydrogen during the polarographic investigation of unbuffered solutions of pyridine. L. D. Klikina, S. G. Mairanovskii. Izv. AN SSSR. Ser. khim. no. 7 1183-1186 Jl '63.

Use of a platinum electrode in the polarographic study of complex formation in melts. IU. K. Delimarskii, V. F. Grishchenko. Ukr. khim. zhur. 29 no. 5:502-507 '63.

POLES

Participation of the captive soldiers of the Polish "Confederation of Bar" in the Russian Peasant War of 1773-1775 [with summary in English]. V. A. Spirkov. Vest. LGU 18 no. 14:19-30 '63.

POLESYE—BIRCH

Practices in growing Karelian birch in the Ukrainian Polesye. P. V. Lytvak. Visnyk sil'hosp. nauky 6 no. 8: 71-73 Ag '63.

POLESYE—FLEAS AS CARRIERS OF DISEASE

Distribution of fleas (Aphaniptera), carriers of transmissible diseases of animals and man, in the nests of rodents of Polesye. I. V. Chykilevskaia. Vestsi AN BSSR. Ser. biial. nav. no. 1:115-119 '63.

POLESYE—NURSERY STOCK

Practices in growing Karelian birch in the Ukrainian Polesye. P. V. Lytvak. Visnyk sil'hosp. nauky 6 no. 8: 71-73 Ag '63.

POLESYE—PARASITES—RODENTIA

Distribution of fleas (Aphaniptera), carriers of transmissible diseases of animals and man, in the nests of rodents of Polesye. I. V. Chykilevskaia. Vestsi AN BSSR. Ser. biial. nav. no. 1:115-119 '63.

POLESYE—PASTURES AND MEADOWS

Practices in the establishment of permanent cultivated pastures. P. S. Makarenko. Visnyk sil'hosp. nauky 6 no. 8:62-68 Ag '63.

POLESYE—PINE

Using growth promoting substances of petroleum origin in pine plantations. V. P. Golovashchenko. Les. khoz. 16 no. 8:35-37 Je '63.

POLESYE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Under the glorious banners of White Russian guerrillas. L. Salavei. Belarus' 20 no. 5:28 My '63.

POLICE

Decision No. 7 of the plenary session of the Supreme Court of the U. S. S. R. of July 3, 1963 "Judicial practice in the implementation of laws on responsibility for offenses against the life, health, and good name of regular and voluntary policemen." Biul. Verkh. Suda no. 4:12-17 '63.

POLIOMYELITIS

(see also subdivision under Latvia)

Case of complete restoration of functions in poliomyelitis. F. G. Lanitskii. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:171-172 Mr-Ap '63.

Therapeutic gymnastics in lesions of the upper extremities following poliomyelitis. E. D. Ivanenkova. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:158-163 Mr-Ap '63.

POLIOMYELITIS—VACCINATION see subdivision under Netherlands

POLITICAL BALLADS AND SONGS

Wr[illegible] was the author of [illegible] IA Mikhai[illegible] [illegible] 49 [illegible] 72-77 [illegible]

POLITICAL SCIENCE

[illegible]

POLLEN

[illegible]

POLLEN—MORPHOLOGY

[illegible] 104-111 [illegible]

POLLEN, FOSSIL [illegible] Aksenov, Nadezhda [illegible] Vitali [illegible] Dmitri [illegible] Aksenov, Vitali, Sinitsyn, V. [illegible]

POLOTSK DISTRICT—TILLAGE

[illegible] crop yields [illegible] 27 [illegible] S [illegible]

POLOTSK—HISTORY

Polotskii, [illegible] [The famous city of Polotsk; pages of its history] Slavnyi gorod Polotsk; stranitsy istorii. Minsk, Gos izd-vo BSSR. Red. [illegible] literatury, 1962 [illegible]

POLTAVA—GRAVIMETRY

[illegible] gravit[illegible] [illegible] Gravimeter [illegible] 12 5-16 '63.

POLTAVA—LATITUDE

[illegible] latitude observations [illegible] Poltava [illegible] the International Geophysical Year [illegible] Geophysical [illegible] I. P. Ogurechnik [illegible] Trudy Polt. grav. obser. 12 [illegible]-12 [illegible]

POLTAVA PROVINCE—CHILDBIRTH—PSYCHOLOGY

[illegible] psychoprophylactic [illegible] preparation of pregnant women for labor in [illegible] Poltava Province [illegible] 22 [illegible]-40 '63

POLYAMIDE CRYSTALS

[illegible] metal [illegible] crystals in a cont[illegible] of matrix polyamide [illegible] Z. [illegible] V. [illegible] Dokl AN SSSR 151 no 5 1104-1109 Ag '63

POLYAMIDES

Heterochain polyamides. Part 34 Synthesis of polyamides containing active functional groups in macromolecules [with summary in English]. V V Korshak and others. Vysokom soed 5 no. 7 979-985 Jl '63

Heterochain polyesters. Part 43 Preparation of phosphorus-containing polyamide esters by interfacial polycondensation [with summary in English]. V. V. Korshak, S. V. Vinogradova, U Ban-luan' [Wu Pang-yuan] Vysokom. soed. 5 no. 7 969-973 Jl '63

Macromolecular compounds, derivatives of pyridine Part 1 Polyamides based on 2, 6-lutidine [with summary in English] A. P. Terent'ev and others Vysokom soed 5 no 6 837-841 Je '63

Macromolecular compounds, derivatives of pyridine Part 2 Thioamides and polythioamides based on some alkyl pyridines [with summary in English] A P. Terent'ev and others Vysokom. soed. 5 no. 6 842-845 Je '63.

Polyamides with aromatic and heterocyclic links in the chain Part 1 Polyamides based on hexamethylenediamine, p-xylylenediamine, and pyridine-2, 5-dicarboxylic acid V P. Sarzhevskaia K A Kornev, S. E. Smirnova-Zamkova Ukr Khim zhur 29 no 5 523-526 '63.

Solid phase polycondensation reactions. Part 4 Solid phase copolycondensation of amino acids and diamine salts of dicarboxylic acids [with summary in English] E. I. Levites, A. V. Volokhina, G. I. Kudriavtsev Vysokom. soed. 5 no. 6 875-880 Je '63.

Some properties of aromatic and araliphatic polyamides obtained by interfacial polycondensation Part 5 [with summary in English]. O. IA Fedotova, M. L. Kerber, I. P. Losev Vysokom. soed 5 no 6 881-885 Je '63.

Some properties of unsaturated polyamides [with summary in English]. O. IA. Fedotova and others. Vysokom. soed 5 no 6.900-904 Je '63.

Structural characteristics of polyamides obtained by the interfacial polycondensation method [with summary in English] S. S. Nikolaeva, E. Z. Fainberg, N. V. Mikhailov. Vysokom. soed. 5 no. 6 826-830 Je '63

Sulfation of aryl aliphatic polyamides and polyurea. O. IA. Fedotova, M. I. Shtil'man. Izv. vys. ucheb. zav., khim i khim. tekh. 6 no. 2:260-262 '63.

POLYETHYLENE—ABSORPTION SPECTRA

Infrared spectroscopy study of the chemical changes taking place in polyethylene subjected to flame atomization [with summary in English]. A. L. Gol'denberg Vysokom. soed. 5 no. 6 816-821 Je '63.

POLYETHYLENE—SPECTRA

Comparative spectral study of the degree of unsaturation in polyethylene [with summary in English]. A. L. Gol'denberg, S. G. Liubetskii Vysokom soed 5 no. 6 905-909 Je '63.

POLYETHYLENE CRYSTALS

Morphology of polyethylene crystals obtained from dilute solutions [with summary in English. V. Przygocki, E. Turska. Vysokom. soed. 5 no 7:1111-1116 Jl '63

POLYGLOT DICTIONARIES see Dictionaries, Polyglot

POLYMERIZATION

Anionic copolymerization of acrylonitrile with vinyl monomers at low temperatures [with summary in English] M A Askarov, S N Trubitsyna Vysokom. soed 5 no 8 1235-1240 Ag '63

Anionic copolymerization of cyclic polysiloxanes [with summary in English] Z. Laita, M Jelinek Vysokom. soed 5 no 8 1268-1276 Ag '63.

Chemical structure of polysylvan [with summary in English] Kh F Khaidarova, A A. Abduvaliev, A. S. Sultanov. Vysokom. soed. 5 no 7 1012-1015 Jl '63.

Constants of chain transfer in the reaction of ethylene telomerization with carbon tetrachloride. Sh A Karapetian, B. A Englin, R Kh Freidlina. Izv. AN SSSR. Ser. khim no 7 1346-1348 Jl '63

Cyclic polymerization and copolymerization. Part 13 Cyclic polymerization of N-substituted diallyl amines [with summary in English] S. G. Matsoian and others. Vysokom soed. 5 no. 6 854-860 Je '63.

Cyclic polymerization and copolymerization Report No 25 Structure of dimethylvinylethynylcarbinol polymers and the mechanism of their formation S G. Matsoian N M Morlian Izv AN Arm. SSR Khim nauki 16 no 4 347-350 '63.

Dependence of the process rate and molecular weight of the product on the concentration of monomer during the polymerization of propylene on a VCl_3- $Al(i\text{-}Bu)_3$ catalytic system L. A Novokshonova, V. I. TSvetkova, N M Chirkov. Izv. AN SSSR, Ser khim. no. 7,1176-1182 Jl '63.

Effect of electron-donor additions on the chain structure in the stereospecific polymerization of butadiene B S Turov and others Dokl AN SSSR 151 no 5 1118-1119 Ag '63.

Effect of the electrolyte phase composition on electrochemical polymerization [with summary in English]. N S. TSvetkov, Z. F. Glotova Vysokom. soed. 5 no. 7. 997-1001 Jl '63.

Heterochain polyamides. Part 35 Change in the rate of interfacial condensation and of fractional composition of polyhexamethyleneadipamide [with summary in English] V V Korshak and others Vysokom soed 5 no. 8 1130-1134 Ag '63.

Kinetics and mechanism of n-butyl methacrylate polymerization under conditions of isotactic polymer formation [with summary in English] Z. A Sirimov, A. A Korotkov, S P Mitsengendler. Vysokom. soed. 5 no 8 1144-1151 Ag '63

Obtaining polymers of glycidol esters in the presence of acid type catalysts M. F Sorokin, L. S. Mikhailova. Lakokras mat. i ikh prim no. 3 6-11 '63.

Oxidative dehydropolycondensation of p-diethinylbenzene [with summary in English] V. V. Korshak, A. M. Sladkov, IU. P. Kudriavtseva. Vysokom. soed. 5 no. 6. 793-798 Je '63.

Polycondensation of B-trichloroborazole with bifunctional compounds [with summary in English]. V. V Korshak and others. Vysokom soed. 5 no 8:1127-1129 Ag '63.

Polymeric materials for the optical polarization method of stress determination. Part 1 Polymerization products in a ternary system of vinyl monomers and methods for the study of their thermomechanical properties [with summary in English]. S. I Sokolov, T. V. Shamraevskaia, N A Shchegolevskaia. Vysokom soed 5 no 8 1250-1254 Ag '63.

Polymerization of α-chloroacetylamino acrylic acid (α-chloroacetyldehydroalanine) [with summary in English]. S. S Ivanov Vysokom. soed. 5 no 8 1140-1143 Ag '63

Polymerization of isoprene and butadiene under the effect of insoluble organolithium compounds [with summary in English]. N. I. Nikolaev and others. Vysokom. soed 5 no. 6. 811-815 Je '63.

Polymerization of isoprene in the presence of complexes formed by titanium tetrachloride, triethylaluminum, and amines. O. F. Solomon, P. Glineski, E. Michaelescu. Dokl. AN SSSR 152 no. 1:117-118 S '63.

Polymerization of methyl methacrylate in the presence of organoaluminum compounds. K. S. Minsker, A. I. Graevskii, G. A. Razuvaev. Izv. AN SSSR, Ser. khim. no. 8:1483-1487 Ag '63.

Polymerization of N-substituted lactams [with summary in English]. R. S. Muromova, A. A. Strepikheev, Z. A. Rogovin. Vysokom. soed. 5 no. 7:1096-1100 Jl '63.

Polymerization of octamethylcyclotetrasiloxane under the effect of acid catalysts [with summary in English]. E. V. Kogan and others. Vysokom soed 5 no. 8:1193-1199 Ag '63.

Polymerization of some allyl cyclanes and allyl cyclenes in the presence of $TiCl_4 + Al(iso\text{-}C_4H_9)_3$ A. V. Topchiev, E. L Fantalova, L V Osipova Neftekhimiia 3 no. 3 330-335 My-Je '63

Polymerization of some vinyl monomers [illegible] complexes of potassium ethanolate [illegible] [with summary in English]. M [illegible] soed. 5 no. 6 938-945 Je '63

Polymerization of styrene induced by [illegible] peroxide [with summary in English] [illegible] M. B. Fagarash. Vysokom. soed [illegible] Jl '63.

Polymerization of 3, 3'-bis-(chloromethyl)-[illegible] in polar solvents [with summary in English] [illegible] Kropachev, L. V. Alferova, B. A. Dolgoplosk [illegible] soed. 5 no. 7 991-996 Jl '63.

Polymerization of unsaturated compounds [illegible] fect of lithium diethylamide [with summary in English] P. A. Vinogradov, N. N. Ilesaeva. [illegible] no. 6:850-853 Je '63

Polymerization of vinyl chloride in the presence of Ziegler-type catalysts [with summary in English] G. A. Razuvaev and others. Vysokom. [illegible] 1030-1034 Jl '63.

Radiation polymerization of vinyl [illegible] in English] Kh U. Usmanov and others [illegible] soed. 5 no. 8 1277 [illegible] Ag '63

Radical copolymerization of vinyl ethers [illegible] phenol and methyl methacrylate [with summary in English] M. F. Shostakovskii, G. G. Skvortsova [illegible] Samoilova. Vysokom. soed 5 no. 7 1066 [illegible]

Reactivity of vinyl ethers in copolymerization [with summary in English] A. M. Khomutov [illegible] 5 no. 8 1171-1176 Ag '63.

Solid phase polycondensation reactions. Part [illegible] phase copolycondensation of amino acids [illegible] salts of dicarboxylic acids [with summary in English] E. I. Levites, A. V Volokhina, G. I. Kudriavtsev [illegible] kom. soed. 5 no. 6 875-880 Je '63.

Studies in radiation polymerization. Part [illegible] polymerization of piperylene [with summary in English] V. S Ivanov and others. Vysokom soed [illegible] 1262 Ag '63.

Suspension copolymerization of styrene [illegible] benzene in the presence of telogen [with summary in English]. E. B. Trostianskaia, A [illegible] mova. Vysokom soed 5 no 8 1[illegible]

Synthesis of o-fluoro-ω-nitrostyrene and [illegible] polymerization capacity A. V Topchiev [illegible] ina, M F Vapin Dokl AN SSSR [illegible] '63

Synthesis of phosphorus containing polyesters [illegible] polyreesterification reaction [with summary in English] [illegible] A. N. Pudovik, G. I. Evstaf'ev, Vysokom. soed [illegible] no. 6:886-891 Je '63.

POLYMERS

Action of light on free radicals in γ-irradiated polymers [with summary in English]. V. K. Milin[illegible] Pshezhetskii. Vysokom. soed. 5 no. 6 [illegible]

Certain regularities in the fractionation of [illegible] A. D. Litmanovich, A V. Topchiev Neftekhimiia 3 no. 3:340-342 My-Je '63

Cross-linking processes in a graft copolymer [illegible] on crystallizing polyester [with summary in English] V. P. Shibaev and others. Vysokom. soed. [illegible] 932-937 Je '63.

Effect of fillers with anisodiametric particles [illegible] properties of polymers. Part 2 [with summary in English]. V. A. Kargin, T. I. Sogolova, T. K. [illegible] kova, Vysokom. soed. 5 no 6:921-924 Je '63.

Effect of the fixation of polypeptide chains [illegible] formations. V. A. Pchelin, N. V. Grigor'eva [illegible] maltova. Dokl. AN SSSR 151 no. 1,114-115 Jl '63.

Electron diffraction study of fluorine-containing polymers [with summary in English]. S. S. Leshchenko, V. L. Karpov, V. A. Kargin. Vysokom. soed. [illegible] 953-959 Jl '63.

Electron microscope study of polymer-colloid [illegible] sions. N. L. Strotkina, V. L. Smeltanskii [illegible] 29 no. 8:970-972 '63.

Electron paramagnetic resonance spectra of free radicals in solid polymer degradation products. [illegible] Buttagin, I. V. Kolbanov, V. A. Radtsig. [illegible] 5 no. 8:1257-1260 Ag '63.

Fractionation of a copolymer of methyl methacrylate [illegible] styrene. L. G. Kudriavtseva and others. Neftekhimiia 3 no. 3:343-347 My-Je '63.

Gordon, G. IA, [Stabilization of synthetic polymers] Stabilizatsiia sinteticheskikh polimerov. Moskva, Goskhimizdat, 1963 299 p.

Heterochain polyesters. Part 42: Mixed polyarylates based on isomeric dihydroxynaphthalenes [with summary in English]. M. A. Iskenderov and others. Vysokom. soed. 5 no. 6:700-804 Je '63.

Induction balances for the study of the thermal degradation of polymers. S. S. Leshchenko and others. Zav. lab. 29 no. 8:1016 '63.

Internal rotation in polymer chains and their physical properties. Part 19: Rotational isomerization of [illegible] molecules during their stretching and method for its study [with summary in English]. O. B. Ptitsyn [illegible] Vysokom soed. 5 no. 8:1219-1227 Ag '63.

"Matrix effects" during the activation of compounds having a conjugation system in the reaction inhibiting the oxidation processes. A. A. Berlin, S. I. Basov. Izv. AN SSSR, Ser. khim. no. 6:1052-1054 S '63.

POLYMERS (Continued)

"Mechanoelectron" emission intensity during the breakoff and deformation of polymer films A. M. Polikov, N. A. Krotova. Dokl. AN SSSR 151 no. 1:130-133 Jl '63

Modification of polymers as a method for the production of porous structures. V. S. Georgieva, A. P. Pisarenko, B. V. Shtarkh. Dokl. AN SSSR 151 no. 3:641-637 Jl '63.

New class of polymers. A. A. Zhdanov. Priroda 52 no. 8:53-55 Ag '63.

Polymeric semiquinone polyradicals of high stability. A. A. Berlin and others. Izv. AN SSSR Ser. khim. no. 7 1351 Jl '63

Rules of the contest for the development of new efficient age resistors for polymeric materials. Lakokras. mat. i ikh prim. no. 3:1-2 '63.

Sorption of low molecular compounds by polymers at high temperatures [with summary in English]. T. V. Gatovskaia and others. Vysokom. soed. 5 no. 7:1101-1105 Jl '63.

Study of selective solvation by sedimentation in a density gradient [with summary in English]. S. E. Bresler and others. Vysokom. soed. 5 no. 7:1101-1105 Jl '63.

Study of tert-butyl peroxide decomposition and the reactions of radicals formed in the synthesis of polydiphenylmethylene. D. G. Val'kovskii, S. L. Sosin, V. V. Korshak. Izv. AN SSSR. Ser. khim. no. 7 1319-1327 Jl '63

Synthesis is our motto. S. N. Ushakov. Zdorov'e 9 no. 5:3 My '63.

Synthesis of aliphatic aromatic polymers with conjugated double bonds by Wittig reaction [with summary in English]. A. A. Vansheidt, M. G. Krakovlak. Vysokom. soed. 5 no. 6:805-810 Je '63.

Synthesis of polyesters and polyester amides having a cycloreticular structure. K. A. Andrianov, V. N. Emel'ianov. Izv. AN SSSR. Ser. khim. no. 7 1267-1272 Jl '63.

Synthesis of polyesters with acetylenic bonds in their chain. A. M. Sladkov, V. V. Korshak, A. G. Makhsumov. Izv. AN SSSR. Ser. khim. no. 7 1343-1345 Jl '63.

Synthesis of polymers from diphenylmethane derivatives by means of polyrecombination reaction. V. A. Vasnev, S. L. Sosin, V. V. Korshak. Izv. AN SSSR. Ser. khim. no. 8:1487-1490 Ag '63.

Use of the X-ray diffraction method in determining the degree of orientation of crystallites in polymers. A. E. Gromov, A. I. Slutskei. Fiz. tver. tela 5 no. 8: 2185-2192 Ag '63.

X-ray diffraction study of the degree of orientation [with summary in English]. L. G. Kazarian, D. IA. TSvankin. Vysokom. soed. 5 no. 7 976-976 Jl '63.

POLYMERS—DIPOLE MOMENTS

Molecular relaxation in polymers far above vitrification temperature. G. P. Mikhailov, A. M. Lobanov. Fiz. tver. tela 5 no. 7:1917-1923 Jl '63.

POLYMERS—ELECTRIC PROPERTIES

Electric conductivity of polymers. Part 6. Calculation of specific resistances in the region of dipole-radical polarization [with summary in English]. B. I. Sazhin, D. S. Filippovich. Vysokom. soed. 5 no. 8 1207-1212 Ag '63.

Electrophysical properties of polyazines. B. E. Davydov and others. Izv. AN SSSR. Ser. khim. no. 9:1661-1667 S '63.

Synthesis of polymers with a system of conjugate bonds and their electric conductivity [with summary in English]. G. M. Pshenitsyna, P. S. Shantarovich. Vysokom. soed. 5 no. 8 1128-1231 Ag '63

POLYMERS—EXPERIMENTS

Experiments with latex and polyvinyl alcohol. E. F. Zavizion. Khim. v shkole 18 no. 3 76-79 My-Je '63

POLYMERS—SPECTRA

Study of polymers by the nuclear magnetic resonance method. Part 4: Stereospecific methyl acrylate and butyl acrylate polymers [with summary in English]. N. M. Bazhenov, M. V. Vol'kenshtein, A. S. Khachaturov. Vysokom. soed. 5 no. 7:1025-1029 Jl '63.

POLYMERS—TESTING

Standardization of the exposure of polymer material samples under natural conditions. Iu. S. Zuev. Standartizatsiia 27 no. 7:27-28 Jl '63.

POLYMERS—THERMAL PROPERTIES

Apparatus for the thermomechanical study of polymers. V. D. Gerasimov, G. A. Kuznetsov, L. N. Fomenko. Zav. lab. 29 no. 8:996-997 '63.

POLYMERS, EFFECT OF RADIATION ON

Electron stabilization in low-temperature radiolysis of organic substances. V. G. Nikol'skii, V. A. Tochin, N. IA. Buben. Fiz. tver. tela 5 no. 8:2248-2256 Ag '63.

POLYMERS, HIGH see Macromolecular compounds

POLYNEURITIS see Neuritis, Multiple

POLYNOMIALS

Approximation of analytic functions by Faber-Walsh polynomials. P. IA. Kiselev. Ukr. mat. zhur. 15 no. 2:193-199 '63.

Cubature formulae on a sphere [translated from the English]. A. D. McLaren. Dokl. AN SSSR 151 no. 5:1029-1030 Ag '63

Exact value of $G(t, n)$ for sequences of polynomials of the 2d degree. V. I. Nechaev, IU. Z. Telesin. Uch. zap. MGPI no. 188:131-138 '62.

Polynomials orthogonal on a given system of arcs within a unit circle. IU. IA. Tomchuk. Dokl. AN SSSR 151 no. 1:55-58 Jl '63

Shur-Arzhanykh polynomials and new stability inequalities for $n = 3, 4, 5, 6, 7$. A. Alimov. Sber. nauch.-issl. lab. TTI no. 15:137-162 '62

POLYOXYMETHYLENES

Thermal and thermal oxidative degradation of polyformaldehyde. Part 2. Temperature dependence of the thermal decomposition rate [with summary in English]. L. A. Dudina, N. S. Enikolopian. Vysokom. soed. 5 no. 7:986-993 Jl '63.

POLYPLOIDY

Comparative embryological study of diploid and tetraploid forms of the radish. IA. I. Tarasevich. Vestsi AN BSSR. Ser. biial. nav. no. 1:42-46 '63.

Geographical distribution of polyploid species of plants; study of the flora of Kamchatka [with summary in English]. A. P. Sokolovskaia. Vest. LGU 18 no. 15:38-52 '63.

Polyploid yeastlike fungi from the genus Candida. A. A. Imshenetskii, L. I. Solntseva, N. F. Kuranova. Dokl. AN SSSR 152 no. 1:212-215 S '63.

Productivity of polyploid sugar beet varieties. N. A. Negovskii. Agrobiologiia no. 4 531-540 Jl-Ag '63.

POLYPROPYLENE

Effect of the molecular weight of polyisobutylene on the viscosity and heat of activation of its concentrated solutions. A. A. Tager, V. E. Dreval', N. G. Tratanova. Dokl. AN SSSR 151 no. 1:140-143 Jl '63.

Participation of the inhibitor in the act of degenerated chain branching. IU. A. Shliapnikov and others. Dokl. AN SSSR 151 no. 1:148-150 Jl '63.

Perepelkin, V. P. [Polypropylene, its properties and methods of processing it] Polipropilen, ego svoistva i metody pererabotki. Leningrad, 1963. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Sinteticheskie materialy, no. 1)

POLYPROPYLENE—SPECTRA

Spectroscopic criterion of the isotacticity of polypropylene [with summary in English]. IU. V. Kissin and others. Vysokom. soed. 5 no. 7:1117 Jl '63.

POLYSTIGMA see subdivision under Russia, Southern

POLYZOA, FOSSIL see subdivision under Altai Mountains

PONTOONS

Self-propelled pontoon. E. P. Mineev. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:86-88 '62.

POPLAR see subdivision under Soviet Far East, Ukraine, Yugoslavia

POPLAR—DISEASES AND PESTS see subdivision under Armenia

POPOVICH, PAVEL ROMANOVICH, 1930-

Mel'nikov, N. [Captains of the stars] Zvezdnye kapitany. Moskva, Sovetskaia Rossiia, 1963. 252 p. (Liudi Sovetskoi Rossii)

POPPY see subdivision under Chu Valley

POPPY BREEDING

Intravarietal and intervarietal hybridization of oilseed poppy. E. S. Leskova. Agrobiologiia no. 4:619-621 Jl-Ag '63.

POPULISM (NARODNICHESTVO)

" . and revolutionary Populism " B. IArantsev. Vop. lit. 7 no. 7:226-228 Jl '63.

"'Land and liberty,' an organization of the revolutionary Populists" by P. S. Tkachenko. Reviewed by V. P. Krikunov. Vop. ist. 38 no. 7:139-141 Jl '63.

Subject matter of the second part of V. I. Lenin's work "Who are these friends of the people and why they struggle with the Social Democrats " I. M. Miachkovskaia. Vop. ist. KPSS 7 no. 8 65-78 Ag '63

PORECHYE-RYBNOYE—CANNING INDUSTRY

Porechye Canning Plant on the upswing. N. S. Elenskii. Kons. i ov. prom. 18 no. 9:1-3 S '63.

POROSITY

Effect of technological factors on the compaction of raw forsterite materials. S. I. Shcheglov, V. D. Zaikina. Ogneupory 28 no. 7:323-327 '63.

Pore formation in distilling-off the volatile component from α-solid solutions. F. A. Santalov. Fiz. met. i metalloved. 16 no. 1 80-85 Jl '63

POROUS MATERIALS

Capillary equilibrium in a porous body model with intersecting pores of variable cross-sections. V. S. Markin. Dokl. AN SSSR 151 no. 3:629-632 Jl '63.

Modification of polymers as a method for the production of porous structures. V. S. Georgieva, A. P. Pisarenko, B. V. Shtarkh. Dokl. AN SSSR 151 no. 3:641-637 Jl '63

On the properties of interface boundary in one model of porous material. V. S. Markin. Izv. AN SSSR. Ser. khim. no. 9:1690-1692 S '63.

Structure of the surface of porous, coarse-grained, and powder objects. I. I. Zemliakova, V. M. Lilipina et al. Lab. 29 no. 8 960-969 '63.

PORPHYRIN AND PORPHYRIN COMPOUNDS

Clinical aspects and treatment of porphyrin skin disease. A. P. Sitkina, Z. S. Akimul'manchova. Sov. zdravookhr. no. 3 27-30 My-Je '63

PORTAL HYPERTENSION

Infrared photography as a method of detection of the deep collateral vessels of the anterior abdominal wall in disorders of portal circulation [with summary in English]. IU. D. Romanov, B. D. Sverdlov. Terap. arkh. 35 no. 1 30-31 Ja '63.

Splenomanometry and splenoportography as a method of diagnosis of portal hypertension. M. P. Postolov. Kaz. med. zhur. no. 3 32-35 My-Je '63

PORTAL VEIN

Higher nervous activity in dogs and the sugar level of blood under conditions of a changed pathway of the discharge of hormones of the pancreas into the system of the portal vein. A. A. Abidov. Uzb. biol. zhur. 7 no. 3 12-11 '63

PORTLAND CEMENT

Investigating mortars of Semipalatinsk portland cement and Kuznetsk slag portland cement. V. V. Vershinina, B. A. Goloshchapov. Trudy Alt. GMNII AN Kazakh. SSR 14 165-170 '63.

Obtaining portland cement clinkers in fused salts at low calcination temperature with a steam autoclave treatment. B. I. Nudel'man, S. K. Grakhova. Uzb. khim. zhur. 7 no. 3 13-15 '63

Stability of cements in caustic alkalies. I. A. Atakuziev. Uzb. khim. zhur. 7 no. 3 25-27 '63

Study of the chemistry of the interaction of gypsum with portland cement undergoing hardening under various conditions. O. I. Grachova, A. IA. Vikulin. Trudy NIIAsbestsementa no. 11:24-29 '62.

PORTUGAL—ECONOMIC CONDITIONS

Tragedy on the banks of the Tagus River. A. Brandt. Nov. vrem. 21 no. 31 26-29 Ag '63.

PORTUGAL—POLITICS AND GOVERNMENT

Tragedy on the banks of the Tagus River. A. Brandt. Nov. vrem. 21 no. 31:26-29 Ag '63.

PORTUGUESE—COLONIES—AFRICA see Africa—Portuguese colonies

PORTUGUESE GUINEA see Guinea, Portuguese

POSITRONIUM

Quenching of positronium and the inhibition of its formation in aqueous and organic solutions. V. I. Goldanskii, T. A. Solomenko, V. P. Shantarovich. Dokl. AN SSSR 151 no. 3:608-611 Jl '63.

POTASSIUM

Desorption of potassium from tungsten in an electric field. A. G. Naumovets. Fiz. tver. tela 5 no. 8:2294-2302 Ag '63.

Differentiation in geochemical processes taking place with the participation of potassium and sodium [with summary in English]. V. V. Shcherbina. Geokhimiia no. 3 229-236 Mr '63.

Method for determining potassium in molasses. L. G. Notkina, M. G. Golubchik, L. M. Dalyberdina. Khleb. i kond. prom. 7 no. 8:17-19 Ag '63.

POTASSIUM-ARGON DATING

Argon dating of biotites and their use in absolute geochronology. M. M. Rubinshtein. Trudy Geol. inst. AN Gruz. SSR, Geol. ser. 13:253-253 '63.

POTASSIUM BROMIDE—ELECTRIC PROPERTIES

Dielectric properties of KBr single crystals irradiated by fast electrons. V. V. Krasnopevtsev. Fiz. tver. tela 5 no. 8:2261-2269 Ag '63.

POTASSIUM CHLORIDE

Refractometric determination of the composition of solutions containing potassium chloride and sodium nitrate [with summary in English]. N. L. IAzym-Aguev, V. IA. Rudin, T. A. TSeitlenok. Zhur. anal. khim. 18 no. 6 701-705 Je '63

POTASSIUM NIOBATES

Reaction of potassium metaniobate with salts of certain metals. V. I. Beziukov, A. V. Lapitskii, L. G. Vlasov. Vest. Mosk. un-ta. Ser. 2 Khim. 18 no. 4 65-66 Jl-Ag '63

POTATOES [illegible] Carpathian [illegible] (Ordzhonikidze Province); [illegible]

POTATO PESTICIDES—APPLICATION [illegible] Province, Ukraine)

POTATO SEEDING [illegible] for frost re- [illegible] Kartofel' i ovoshchi no.4 10-11 Ap '63

POTATO CLIPS—TESTING [illegible]

POTATO DIGGER (MACHINE) [illegible] for Germany, East)

[illegible] of the vibrating screens of potato harvesting machines. M. Prushinskaya. Tekh. v sel'khoz. 23 no.5 62-65 My '63

[illegible] of the rotary separator [illegible] P. I. Vermenko. Nauch. trud. UNIMESKH 4 87-91 '62

POTATO ROT [illegible] gangrene. Elig'ko [illegible] Bol. i SKHA no.62 [illegible]

POTATOES (heraldic emblem for Kursk Province, Moldavia) [illegible] Sov. Moldavia 17 no.6:3-5 Je '61.

[illegible] effect of chlorides on potato plants. S. N. Hal' [illegible] Vestsi AN BSSR Ser. biyal. nav. no.1 [illegible] '61

New mechanized process for cultivating potatoes. P. N. Nastenko. Nauch. trudy UNIMESKH 4:40-44 '62

[illegible] Zasich. rast. [illegible] no.7 [illegible] Jl '63

POTATOES—ECONOMIC ASPECTS

Il'in, S. A. [Economics of potato growing] Ekonomika [illegible] kartofelia. Moskva, S.-Vybuzidat, 1963, 234 p.

POTATOES—FERTILIZERS AND MANURES

Liming of soils in crop rotations with potatoes and flax. S. G. Shcherov. Trudy VIUA no.38 104-117 '61.

POTATOES—HARVESTING see subdivision under Moscow Province, Ruvno Province

POTATOES—RESEARCH

Coordination of research on potato growing. S. Maksimova. Vest. sel'khoz. nauki 8 no.4 154-155 Ap '63.

POTENTIAL, THEORY OF

Green's thermodynamic functions of an isotropic antiferromagnetic with arbitrary spin. E. Chervonko. Fiz. tver. tela 5 no.8 2141-2142 Ag '63.

Regge poles for scattering on the δ-potential [with summary in English]. V. M. Arutyunian, I. I. Gol'dman, G. A. Vaks, seksi. Zh. eksper. i teor. fiz. 45 no.2:240-250 Ag '63.

Use of the method of Green's functions in the analysis of magnetic lattices. A. G. Khachaturian. Fiz. tver. tela 5 no.8:2178-2184 Ag '63

POTENTIOMETER

Certain less potentiometer [with summary in English] S. V. Sokolovskiy. Avtom. i telem. 24 no.9. 1242-1251 S '63.

POTTERY, PRIMITIVE

[Archaeology of the U. S. S. R., archaeological sources] Arkheologiia SSSR; svod arkheologicheskikh istochnikov. Pod obshchei red. B. A. Rybakova. Moskva, Izd-vo Akad. nauk SSSR

No B1-11. Passek, T. S., and E. K. Chernysh. [Pottery specimens of the culture ornamented with dotted lines found on the territory of the U. S. S. R.] Pamiatniki kul'tury lineino-lentochnoi keramiki na territorii SSSR. 1963. 42 p. 26 tables.

POULTRY—FEEDING AND FEEDS see subdivision under Alma-Ata Province

POULTRY BREEDING

Inheritance of the inhibition reaction in oviposition by chickens [with summary in English]. L. A. Alekseevich. Vest. LGU 18 no.15 133-140 '63.

Manifestation of heterosis in crossbred chickens. N. V. Voroshilov. Vest. LGU 18 no.15:141-149 '63.

POULTRY BREEDS

Reaction of chicks to ultraviolet rays as related to the difference of breed. S. G. Pogel'man. Agrobiologiia no.4 548-552 Jl-Ag '63.

POULTRY HOUSES AND EQUIPMENT

Automatic control of electric lighting in poultry houses. V. A. Baiba. Mekh. i elek. sots. sel'khoz. 21 no.4:23-25 '63.

Study of the automatic control system of auxiliary lighting in poultry houses. I. I. Martynenko, G. E. Kisten'. Nauch. trudy UNIMESKH 4:121-122 '62

POULTRY HOUSES AND EQUIPMENT—DISINFECTION see subdivision under Tajikistan; Uzbekistan

POULTRY PLANTS see subdivision under Bukhara Province, Crimea

POWDER METALLURGY

Effect of dispersed oxide inclusions on the recrystallization of sintered powder nickel. V. P. Elutin, V. N. Antsiferov, E. I. Mozzhukhin. Izv. vys. ucheb. zav.; chern. met. 6 no.7:134-139 '63.

POWER ENGINEERING

(see also subdivision under United States)

All-Union public review of the fulfillment of plans in scientific research and introduction of scientific and technical innovations in the national economy. Prom. energ. 18 no.7 41-42 Jl '63.

Conference of power engineering workers. N. IA. Turchin. Elek. sta. 34 no.6 93-95 Je '63.

Fourth Plenum of the Main Administration of the Scientific and Technical Society of the Power Industry. Prom. energ. 18 no.8:55-56 Ag '63.

Fuel-energy balance of the U. S. S. R. and related scientific tasks. N. V. Mel'nikov. Vest. AN SSSR 33 no.9 33 S '63.

Suggestions having received recognition at the 18th All-Union Competition on the Saving of Thermal and Electric Power. Prom. energ. 18 no.5:54-57 My '63.

World Power Conference, Sectional meeting, Madrid, 1960. [Development of power engineering abroad. Translations] Voprosy razvitiia zarubezhnoi elektroenergetiki; doklady. Sbornik perevodov pod red. B. P. Lebedeva. Moskva, Gosenergoizdat, 1962. 174 p. [MICROFILM]

POWER ENGINEERING—BIBLIOGRAPHY see Bibliography—Power engineering

POWER ENGINEERING—EDUCATION AND TRAINING

Training of engineers for work in industrial heat and electric power systems. E. G. Borisov and others. Prom. energ. 18 no.8:35-41 Ag '63.

SSSR

[illegible]ormations of crank-toggle presses. [illegible] Kunakovskii. [Nauch. trudy] [illegible] '63

[illegible]f slide strokes per minute in [illegible]al presses. E. S. Nazarenko. [illegible]rudy] ENIKMASha 6:141-160

[illegible]idity of coining presses. V. IA. [illegible]arov. [Nauch. trudy] ENIKMASha

[illegible]TRIC DRIVING

[illegible]ace of electric drives on power [illegible] multiple-impression dies. [illegible]trudy] ENIKMASha 6:47-51 '63.

[illegible]system motor - flywheel and its [illegible]ce of electric driving. I. A. [illegible] ENIKMASha 6:187-200 '63.

[illegible]eel and electric motor on crank [illegible] drive. B. N. Markovich, A. K. [illegible]y] ENIKMASha 6:3-21 '63.

[illegible]calculation of electric drives for [illegible]nlinear mechanical character- [illegible]or. I. A. Remikh. [Nauch. trudy] [illegible] '63.

POWER PRESSES—SAFETY APPLIANCES

Using photoelectric intrusion detectors on [illegible] N. S. Trifonov. [Nauch. trudy] ENIKMASha [illegible] '63.

PRASEODYMIUM

Radiative capture of resonance neutrons [illegible] [with summary in English]. J. Urbanec [illegible] i teor. fiz. 45 no.2:93-97 Ag '63

PRECAST CONCRETE

Unutilized potentials for efficient production [illegible] blocks and slabs. Ia. B. Kogan, V. I. [illegible] ucheb. zav.; stroi. i arkhit. 6 no.7:11 [illegible]

Vsesoiuznoe soveshchanie – seminar po [illegible] elektrotermicheskogo sposoba natiazheniia armatury sbornykh zhelezobetonnykh konstruktsii). M[illegible] [Electrothermal method of stretching reinforcement in precast reinforced concrete elements] [illegible] skii sposob natiazheniia armatury sbornykh [illegible] tonnykh konstruktsii; [abstracts of papers]. [illegible] Gosstroizdat, 1963. 105 p.

PRECAST CONCRETE—TRANSPORTATION

Get rid of the causes of damage to ultra-[illegible] A. I. Butor. Transp. stroi. 13 no.7 [illegible]

PRECAST CONCRETE CONSTRUCTION

Akademiia stroitel'stva i arkhitektury SSSR. [illegible] organizatsii, mekhanizatsii i tekhnicheskoi [illegible] stroitel'stva. [Precast reinforced concrete [illegible] stacks] Sbornik zhelezobetonnaia [illegible] naprizhennaia dymovaia truba; iz opyta [illegible] montazh." Ministerstva stroitel'stva RSFSR. [illegible] Gosstroizdat, 1963. 21 p.

[illegible] Augakaps, R. P., and J. K. Mozulis. [Connection [illegible] forced-concrete partitions for manufacturing [illegible] Kassety s zhelezobetonnymi razdelitel'nymi [illegible] dlia izgotovleniia panelei. Moskva, Gosstroizdat, 1960. 22 p.

Effect of assembly methods on the duration [illegible] the erection of one-story industrial buildings. [illegible] Gavrilov. Izv. vys. ucheb. zav.; stroi. i arkhit. [illegible] no.2:73-83 '63.

Liberman, A. D., and others. [Large reinforced [illegible] crete structures in industrial construction] [illegible] razmernye zhelezobetonnye konstruktsii v [illegible] nom stroitel'stve, iz opyta stroitel'stva [illegible] shoi ochnogo korpusa zavoda stankov-avtomatov [illegible] Gor'kogo v Kieve. Kiev, gos. izd-vo lit-ry, [illegible] i arkhit. USSR, 1963. 49 p.

Parshikov, N. A. [Use of precast-cement slabs [illegible] in the construction of electric substations] [illegible] sbornogo zhelezobetona pri sooruzhenii podstantsii. Moskva, Orgenergostroi, 1962. 33 p. [illegible] energeticheskogo stroitel'stva)

Performance of the walls of elevator [illegible] fabricated prestressed reinforced con[illegible] I. Khoroshii, F. Iusera. Muk[illegible]elev prom. [illegible] Mi '63

PRECAST CONCRETE CONSTRUCTION—[illegible] CAL INNOVATIONS see subdivision under [illegible]

PRECIPITATION (CHEMISTRY)

Coprecipitation of selenium and tellurium [illegible] collectors. I. P. Omel'chenok, V. M. Akul[illegible] kova. Izv. TPI 111:118-120 '61.

Use of electron microscopy in solving some [illegible] of chemical technology. V. A. Sokol and others. Zav. lab. 29 no.8:956-959 '63.

PREFABRICATED BUILDINGS see Buildings, Prefabricated

PREGNADIENEDIONE

Chronic hepatitis following Botkin's disease [illegible] treatment with prednisolone [with summary in [illegible] A. M. IArtsova. Terap. arkh. 35 no.1:23 [illegible]

Effect of ACTH and prednisolone on the [illegible] reactivity following BCG vaccination [with [illegible] Frenchl. E. A. Kapitanov. Probl. tub. 41 no.3 [illegible] '63.

Function of the adrenal cortex in simultaneous [illegible] silicosis and tuberculosis before and during treatment with prednisolone and antibacterial preparations [illegible] summary in English]. A. A. Kovalchuk, V. V. Slut[illegible] Terap. arkh. 35 no.1:19-23 Ja '63.

Prednisolone in compound treatment of siderosilicosis [with summary in French]. V. V. Alutin, A. [illegible] Koval'chuk. Probl. tub. 41 no.3:26-30 '63.

PREGNANCY, COMPLICATIONS OF

Clinical aspect of late pregnancy toxemias. I. I. Ivanov. Fel'd. i akush. 28 no.2:11-14 F '63.

Preventive and therapeutic exercises in the pathology of pregnancy. B. Kato. Ped., akush. i gin. 25 no.2:62-64 '63.

Pseudotumor syndrome in pregnancy [with summary in English]. I. D. Polykovskaia. Vrach. delo no.6:82-84 Je '63.

Reactivity characteristics of the vascular system in women during normal pregnancy and late toxicoses of pregnancy [with summary in English]. I. P. Ivanov, Iu. F. Zmanovskii, Z. P. Aksenova. Sov. med. 27 no.6 68-73 Jl '63.

PREGNANCY, COMPLICATIONS OF (Continued)
Treatment of late toxemias in pregnancy with hexonium combined with reserpine. T. I. Zhupanenko. Ped., akush i gin. 25 no. 2,44-46 '63.

Venous pressure and its significance in the diagnosis and prevention of pathology in pregnancy. M. S. Serzhenko. Kaz. med. zhur. no. 3:60-61 My-Je '63.

PREGNANCY, EXTRAUTERINE
A case of extrauterine pregnancy in the sei whale (Balaenoptera borealis Lesson) [with summary in English] M. V. Ivashin. Zool. zhur. 42 no. 8:1275-1277 '63.

Case of simultaneous bilateral tubal pregnancy. I. D. Dzhumaliev. Sov. zdrav. Kir. no. 3:63-64 My-Je '63.

Ectopic pregnancy according to data of the gynecological department of the Second Kazan Municipal Hospital. M. I. Slepov. Kaz. med. zhur. no. 3:61-62 My-Je '63.

PREHNITIC ACID
Synthesis of prehnitic acid and its derivatives. K. S. Nisanbaeva, G. Khodzhaev. Uzb. khim. zhur. 7 no. 3:28-32 '63.

PRELIMINARY EXAMINATIONS (CRIMINAL PROCEDURE)
"Completion of pretrial investigation" by N. A. Akubovich, T. Arzumanian, G. Changuli. Sots. zakon. 10 no. 7:92-94 Jl '63.

PREMCHAND, pseud. see Srivastava, Dhanpat Rai, 1881-1936

PREPAID MEDICAL CARE see Medical care, Prepaid

PRESCHOOL EDUCATION see Education, Preschool

PRESCRIPTION WRITING
"Handbook for practical work in prescription writing" by N. S. Shvarsalon, N. P. Skakun, A. S. Kucheruk. Vrach. delo no. 6:155-156 Je '63.

PRESSURE
Determination of the saturation pressure of crude oil based on pressure build-up curves. Iu. A. Balakirov. Neftepром. delo no. 3:16-19 '63.

Effect of high pressure on the kinetics of carbon steel tempering. T. P. Ershova. Fiz. met. i metalloved. 16 no. 1:91-96 Jl '63.

PRESSURE GAUGES
Analysis of the precision of possible operation systems and the design of air pressure stabilizers. O. B. Balakshin. Trudy. Inst. mash. Sem. po toch. v mash. i prib. no. 17,22-42 '63.

PRESSURE GROUPS
"Pressure groups." S. Epshtein. Mir. ekon. i mezhdunar. otn. no. 6:150-151 '63.

PRESTRESSED CONCRETE
Calculation of the bearing capacity of prestressed concrete elements subject to skew deflection. G. I. Kichigina. Izv. vys. ucheb. zav., stroi. i arkhit. 6 no. 2:55-64 '63.

Investigation of the supporting power of compressed bendable shafts made of ordinary and prestressed concrete and of reinforced concrete. N. F. Makhnovskii. Sbor. trud. LIIZHT no. 192:147-220 '62.

Position of the plane of conjugation in combination prestressed elements. V. K. Perekhvatov. Trudy GISI no. 30:69-77 '61.

Prestressed poles made of close-grained autoclaved concrete. G. L. Bazhenov and others. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 3:44-54 '63.

PRESTRESSED CONCRETE—TESTING
Investigation of rectangular prestressed reinforced-concrete beams by the study of their oblique cross sections. K. V. Zinienski. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 1:118-126 '62.

PRIARGUNSK DISTRICT—JUSTICE, ADMINISTRATION OF
Improve the work of the councils of people's assessors. V. Polikov. Sov. iust. no. 14:22 Jl '63.

PRICES
Role of prices in regulating the supply and demand of consumer goods. N. Kotelevskii. Nauch. dokl. vys. shkoly, ekon. nauki 6 no. 5:31-35 '63.

PRILEZHAEVA, MARIIA PAVLOVNA
Fomenko, L. N. [Mariia Prilezhaeva; a brief account of her life and works] Mariia Prilezhaeva, kritiko-biograficheskii ocherk. Moskva, Detgiz, 1962. 63 p. (MH)

PRIME NUMBERS see Numbers, Prime

PRINTED CIRCUITS
Calculation of the capacitance of strip-type transmission lines. E. I. Petrushenko. Izv. vys. ucheb. zav., elektromekh. 6 no. 6:656-661 '63.

PRINTING
In honor of the Russian book. V mire knig 3 no. 8:6-7 Ag '63.

PRINTING—STUDY AND TEACHING see subdivision under Minsk

PRINTING INDUSTRY—HYGIENIC ASPECTS
Gashunin, V. F., and O. K. Postnikov. [Controlling noise and vibrations] Bor'ba s shumom i vibratsiei, tema V. Uchebnoe posobie po kursu "Tekhnika bezopasnosti" dlia studentov zaochnogo-i vechernego otdelenita. Moskva, Mosk. poligr. in-t, 1963. 22 p.

PRINTING INDUSTRY—PRODUCTION STANDARDS see subdivision under Leningrad

PRINTING MACHINERY AND SUPPLIES
Kazakevich, V. V. [Automatic control of technological operations] Avtomaticheskoe regulirovanie tekhnologicheskikh protsessov; uchebnoe posobie po kursu Avtomaticheskoe upravlenie i regulirovanie tekhnologicheskikh protsessov v poligrafii." Moskva, Mosk. poligr. in-t, 1963. 65 p.

Use of ticket printing machines in railroad stations. A. E. Kleimenov. Zhel. dor. transp. 45 no. 7:76-79 Jl '63.

PRIPET RIVER
Causes of the bends of the Pripet River in the region of the town of Petrikov. Z. A. Gorelik. Dokl. AN BSSR 6 no. 12:784-787 D '62.

PRIPET VALLEY—GEOLOGY, STRATIGRAPHIC
Devonian formations of the Strelichevo plateau in the Pripet Depression. A. S. Makhnach and others. Vestsi AN BSSR, Ser. fiz.-tekh. nav. no. 1:84-94 '62.

PRIPET VALLEY—SALT DEPOSITS
Correlation at sections of Devonian halogen layers in the Pripet fault and Dnieper-Donets Lowland. V. P. Kirikov. Trudy VSEGEI 83:129-136 '62.

PRISONS see subdivision under Great Britain

PRISONS—LAWS AND REGULATIONS
Decision No 11 of the plenary session of the Supreme Court of the U. S. S. R. of July 3, 1963 "Wrong implementation of Part 5 of Article 23 of the Basic Principles of the Criminal Law of the U. S. S. R. and the Union Republics in regard to those individuals who have flagrantly violated the rules of a corrective labor colony and consequently were transferred to a prison." Biul. Verkh. Suda no. 4:25 '63.

PROBABILITIES
Asymptotic representations in certain problems for two-dimensional random walks. A. A. Borovkov, B. A. Rogozin. Dokl. AN SSSR 151 no. 1,11-14 Jl '63.

Physical nature of the theory of the quantized field of the probability amplitude. Iu. M. Lomsadze, I. Iu. Kitvakii, I. V. Khimich. Izv. vys. ucheb. zav., fiz. no. 4:113-119 '63.

PROBATION
Mendel'son, G. A. [Releasing on probation persons whose criminal offenses do not constitute a major public danger] Peredacha na poruki lits, soversh-shikh prestuplenila, ne predstavliaiushchie bol'shoi obshchestvennoi opasnosti. [Moskva] Izd-vo Mosk. univ. 1963. 86 p.

PROBLEM OF THREE BODIES
Closed trajectories of collision in the plane restricted problem of three bodies [with summary in English]. G. A. Krasinskii. Biul. Inst. teor. astron. 9 no. 2,154-167 '63.

Evaluating the region of the convergence of series representing the periodic solution of the first kind in the plane restricted problem of three bodies in case of an external motion [with summary in English]. M. S. Petrovskaia. Biul. Inst. teor. astron. 9 no. 2,106-110 '63.

Evaluating the region of the convergence of series representing the periodic solution of the first kind in the plane restricted problem of three bodies in case of an interior motion [with summary in English]. M. S. Petrovskaia. Biul. Inst. teor. astron. 9 no. 2:85-107 '63.

PROBLEM OF TWO BODIES
Rotational motion of a satellite in the vicinity of the orbital plane [with summary in English]. M. S. Volkov. Biul. Inst. teor. astron. 9 no. 2:144-153 '63.

Series representing translational-rotational motion of a satellite in the gravitational field of a sphere [with summary in English]. M. S. Volkov. Biul. Inst. teor. astron. 9 no. 2:120-143 '63.

PROCEDURE (LAW)
Procedural characteristics of the institution of a "special procedure lawsuit." A. Mel'nikov. Sov. iust. no. 9:11-12 '63.

PRODUCTION CONTROL—CONGRESSES
Scientific Conference of Workers of Metallurgical and Chemical Plants and Scientific Research Associates of Institutions of Higher Learning. P. N. Kovalenko, K. N. Bagdasarov. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2,346-348 '63.

PRODUCTION STANDARDS
(see also subdivision under Middle Ural Economic region)
Experience, advice and suggestions. Sots. trud 8 no. 6:128-131 Je '63.

In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the All-Union Central Council of Trade Unions. Sots. trud 8 no. 6:152 Je '63.

Workers' initiative and norms. M. Sorokin. Sots. trud 8 no. 6:96-98 Je '63.

PROFESSIONS see subdivision under Kemerovo Province

PROFIT
(see also subdivision under United States)
Increasing the stimulating role of profit in industry. R. Karagedov. Vop. ekon. no. 8:64-75 Ag '63.

Profit under socialism. A. Bachurin, A. Pervukhin. Vop. ekon. no. 9:65-77 S '63.

Profitableness of an industrial enterprise and its measurement. E. A. Akramov. Nauch. zap. Tashk. fin.-ekon. inst. no. 14:28-37 '61.

PROGRAMMED INSTRUCTION
Programmed instruction in elementary schools. N. F. Kopeleva. Nach. shkola 31 no. 10:56-57 O '63.

PROGRAMMING (ELECTRONIC COMPUTERS)
Gavrilenko, E. T. [Subprograms for conversion of numbers and angles] Programmy perevodov chisel i uglov. Moskva, Vychislitel'nyi tsentr AN SSSR, 1963. 42 p. (Akademiia nauk SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy dlia mashin "Ural," no. 2)

Kurochkin, V. M. [Standard BESM-2 programs of the Computer Center of the Academy of Sciences of the U. S. S. R.] Standartnye programmy BESM-2 Vychislitel'nogo tsentra AN SSSR. Moskva, Vychislitel'nyi tsentr AN SSSR, 1963. 11 p. (Akademiia nauk SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy BESM-2, no. 6.)

Vysotskaia, V. A., and others. [Programs on linear algebra] Programmy po lineinoi algebre. Moskva, Vychislitel'nyi tsentr AN SSSR, 1963. 50 p. (Akademiia nauk SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy dlia mashin "Ural," no. 6)

PROGRAMMING (ELECTRONIC COMPUTERS)—HANDBOOKS, MANUALS, ETC.
[Programmer's manual] Spravochnik programmista. [By] IA. S. Dymarskii i dr. Leningrad, Sudpromiz. Vol. 1. 1963. 627 p.

PROGRAMMING (MATHEMATICS)
Applying dynamic programming. B. Suvorov. Plan. khoz. 40 no. 8:57-61 Ag '63.

PROGRAMMING LANGUAGES (ELECTRONIC COMPUTERS)
Codes permitting the correction of errors. A. A. Markov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:044-046 '63.

PROKOP'YEVSK REGION—TRADE UNIONS
Time permits. V. Gunina. Sov. shakht. 12 no. 6:39 Je '63.

PROLIFICATION
Prolification of inflorescences in common timothy (Phleum pratense L.). A. K. Fedotov, L. P. Chel'tsova. Bot. zhur. 48 no. 7:1005-1011 Jl '63.

PROPAGANDA, ANTI-COMMUNIST
IAdov, V. A. [The secret of lies; comments on the theory and methods of the bourgeois propaganda] Taina lzhi; zametki o teorii i metodakh burzhuaznoi propagandy. Moskva, Gospolitizdat, 1963. 109 p.

PROPANE
Dehydrobromination of isopropyl bromide. A. M. Rozhnov, D. N. Andreevskii. Neftekhimiia 3 no. 3:405-412 My-Je '63.

Measuring the radiosensitivity zone boundary for propane. Iu. A. Aleksandrov, N. B. Delone. Prib. i tekh. eksp. 8 no. 3:66-71 My-Je '63.

PROPANEDIOL
Alkylation of phenols by bifunctional compounds. Report No. 8: Catalytic alkylation of m- and p-cresols by 1,3-propanediols. E. A. Viktorova, N. I. Shuikin, S. E. Popova. Izv. AN SSSR, Ser. khim. no. 7:1277-1280 Jl '63.

PROPELLERS
Calculating propeller characteristics with the help of fast-acting electronic digital computers. F. M. Katsman, V. I. Asinovskii. Sudostroenie 29 no. 5:9-12 My '63.

Investigating the propeller-nozzle complex for cargo and passenger ships. L. Sandler. Rech. transp. 22 no. 6:26-27 Je '63.

Ship propellers made of plastics. F. M. Katsman, G. M. Kudrevatyi. Biul. tekh.-ekon. inform. Tekh. upr. Min. morflota 7 no. 11:31-41 '62.

PROPELLERS—TESTING
Analytical determination of the rotational moment of resistance of a screw propeller during its interaction with ice. V. IA. IAgodkin. Probl. Arkt. i Antarkt. no. 13:79-88 '63.

PROPYL-

PROPYLAMINE

PROSTHETICS

PROPIONIC ACID

PROPORTIONING EQUIPMENT

PROPYLENE GLYCOL

PROSPECTING

In the Central Committee of the Trade Union of Prospecting Workers. A. I. Smirno... Razved. i okh. nedr 33 no. 7 61-61 Jl '63

Optimum density of prospecting nets for iron ore deposits with a complex structure. I. I. Pastushenko. Razved. i okh. nedr 29 no. 7,16-22 Jl '63.

Quality and efficiency of prospecting. I. I. Malyshev. Razved. i okh. nedr 29 no. 7 1-9 Jl '63.

Use of dispersion analysis in evaluating the accuracy of estimating reserves. Z. F. Bulanova. Izv. vys. uchebn. zav. geol. i razv. zhur. 6 no. 7 65-73 '63.

PROSPECTING—EQUIPMENT AND SUPPLIES

Over-all mechanization of driving horizontal prospecting workings. N. I. Kulichikhin, N. V. Tikhonov. Razved. i okh. nedr 29 no. 7 38-43 Jl '63.

PROSPECTING—GEOPHYSICAL METHODS
(see also subdivision under Caucasus, Northern, Chu Valley, Sarysu Valley)

Buriakovskii, L. A., and F. I. Samedov. [Geophysical methods of studying reservoirs of the Apsheron Archipelago] Geofizicheskie metody izucheniia kollektorov Apsheronskogo arkhipelaga. Baku, Azerbaidzhanskogo gos. izd-vo, 1961. 126 p.

Matveev, B. K. [Geophysical methods of studying the movement of underground waters] Geofizicheskie metody izucheniia dvizheniia podzemnykh vod. Moskva, Gosgeoltekhizdat, 1963. 132 p.

Selection of the shape of signals for synchronizing geophysical observations and remote control of geophysical instruments on a radiotelephone communications cable. Iu. V. Khomeniuk. Prikl. geofiz. no. 36 150-168 '63.

PROTACTINIUM—ANALYSIS

... separation of protactinium from other elements by ... with thenoyltrifluoroacetone [with summary in English]. E. S. Pal'shin, B. F. Miasoedov. Zhur. analit. khim. 18 no. 6 750-756 Je '63.

PROTEASES

Role of tissular proteases in the formation of highly effective products decomposing Mycobacterium tuberculosis [with summary in French]. A. I. Kaftashev. Probl. tub. no. 8 92-94 '62.

PROTECTION OF PLANTS see Plants, Protection of

PROTECTIVE ATMOSPHERES

Vaz'kman, A. E. [Welding of hull structures in a carbon dioxide atmosphere] Svarka korpusnykh konstruktsii v srede uglekislogo gaza. Leningrad, Sudpromgiz, 1963. 147 p.

PROTECTIVE COATINGS
(see also subdivision under United States)

... of small stable paint coatings for the protection of aluminum alloys in the process of contour dimensional ... cutting. V. N. Padchikh. Lakokras. mat. i ikh prim. ... 37-41 '63.

Determining pentachlorophenol in paint materials containing fungicides. L. Donev, N. Nikolov. Lakokras. mat. i ikh prim. no. 3 60-61 '63.

Effect of some plasticizers on the adhesion, aging, and chemical stability of films from epoxide compounds. I. Z. Chernin, I. P. Losev, O. I. Fedotova. Lakokras. mat. i ikh prim. no. 3 26-27 '63.

Efficient conveyor-type lacquering machine. V. A. Ivanova and others. Prom. energ. 18 no. 7 8 Jl '63.

Film-forming properties of pentaphthalic esters modified with cottonseed oil acids. A. Kh. Ataullaev, Z. I. Bodachina. Masl.-zhir. prom. 29 no. 7 28-30 Jl '63.

Investigating the properties of the PKhV-715 make perchlorovinyl enamel paints. M. L. Livshits, D. I. Ivanskina. Lakokras. mat. i ikh prim. no. 3 42-44 '63.

Khanlarova, A. G. [Protection of steel against corrosion in neutral media] Zashchita stali ot korrozii v neitral'nykh sredakh. Baku, Azerbaidzhanskoe gos. izd-vo, 1962. 93 p.

Moisture-proof compounds and their application. M. M. Gol'dberg, I. V. Makarova. Lakokras. mat. i ikh prim. no. 3 34-37 '63.

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Protective coatings for vessels in the brewing, wine making, and yeast industry] Zashchitnye pokrytiia emkostei v pivovarennoi, vinodel'cheskoi i drozhzhevoi promyshlennosti. Moskva, 1963. 15 p. (Tekhnicheskaia informatsiia)

New type of acid-resistant lacquer for electrolytically plated and tinned iron. A. D. Parkhomovskaia. Kons. i ov. prom. 18 no. 7 18-22 Jl '63.

Obtaining organic dispersions and coatings on the base of acrylonitrile-butylacrylate copolymers. A. D. Iakovlev, N. V. Kosheleva, I. S. Okhrimenko. Lakokras. mat. i ikh prim. no. 3 3-5 '63.

Research work on chemically stable paint materials for use in the atomic power industry, literary review. I. IA. Khinov, V. K. Kniazev, N. P. Alekseikhin. Lakokras. mat. i ikh prim. no. 3 46-49 '63.

Synthesis of terephthalic polyesters and their use as a base for the production of impregnation lacquers for electric insulation materials. R. S. Kholodovskaia, K. I. Zaborina, N. M. Spivak. Lakokras. mat. i ikh prim. no. 3 12-16 '63.

Use of epoxide coatings for the protection of main underground pipe systems. A. G. Gobzhila, K. I. Voiculescu, M. V. Popescu. Lakokras. mat. i ikh prim. no. 3 28-34 '63.

PROTECTIVE COATINGS—STANDARDS

Introducing the State Standards 9791-61 and 9894-61 in industry. I. V. Stepanova. Standartizatsiia 27 no. 7 32-33 Jl '63.

PROTEINS

Chromatography of proteins on cellulose ion exchangers. A. IA. Nikolaev. Usp. khim. 32 no. 9 1087-1112 S '63.

For the present and the future. A. N. Belozerskii. Zdorov'e 9 no. 5 1-2 My '63.

Improving the technology of the production of fodder proteins in potato starch plants. A. S. Vechar, H. F. Prakazau. Vestsi AN BSSR. Ser. bital. nav. no. 1 5-12 '63.

Some aspects of the molecular structure and functions of proteins [with summary in English]. A. I. Kolotilova. Vest. LGU 18 no. 15 119-132 '63.

PROTEINS—EXPERIMENTS

Amphoterism of proteins as demonstrated by gluten in. I. M. Gaponenko. Khim. v shkole 18 no. 3 82-83 My-Je '63.

PROTEINS—SPECTRA

Reaction of radicals from irradiated proteins and polymethyl methacrylate with oxygen and alkyl phenols. I. I. Sapizhinskii, IU. V. Silaev, N. M. Emanuel'. Dokl. AN SSSR 151 no. 3 584-588 Jl '63.

PROTEUS

Variability of Morgan's bacilli in bile ... broth cultures [with summary in English]. ... Mikrobiol. zhur. 25 no. 1 10-14 '63.

PROTONS

Angular dependence in multicharged proton ... by 75 - 190 Mev. protons [with summary in ... M. M. Makarov. Zhur. eksp. i teor. fiz. ... Ag '63.

Deceleration of medium-energy protons ... Fivenskii. Uch. zap. Leningr. un-ta, ... Ag '63.

Dynamic polarization of protons at 0, 6, ... and others. Zhur. eksp. i teor. fiz. ... Ag '63.

PROTONS—SCATTERING

Phase shifts of coulomb proton scattering [with English]. N. P. Klepikov. Zhur. eksp. i teor. fiz. ... no. 2 370-377 Ag '63.

PROTOZOA, PATHOGENIC see subdivision under Alma-Ata, Kazakhstan

PROVERBS, ENGLISH

Proverbs and sayings in English language lessons. Sidik, N. M. Kravchenko. Inostr. iaz. v shkole no. 3 116-118 My-Je '63.

PRUNE—DRYING

Establishing the norms of raw material ... drying prunes. M. S. Moudrokvash, A. M. Bik... Prom. prom. 18 no. 9 9-11 S '63.

PRUNING

Mechanized pruning of rootstocks in the ... kuznetsov. Dokl. TSKHA no. 87 287-288 '63.

Pruning apple trees for purposes of ... the fruit-bearing period. N. A. Golitsyna. ... no. 87 213-220 '63.

PSEUDOTACHYLYTE see subdivision under Kuznetsk Basin

PSKEM VALLEY—GLACIOLACKAL BUSLARIE

Several results of the Chirchik glaciological ... A. A. Iablokov. Izv. Vsesoiuz. geogr. obshch. ... no. ... Jl-Ag '63.

PSKOV—ARCHITECTURE

Spegal'skii, IU. P. Pskov. Leningrad, Iskusstvo, ... 302 p. (Khudozhestvennye pamiatniki)

PSKOV PROVINCE—BOTANY

Fourth year of the study of flora in Pskov ... N. A. Minkaev, V. M. Shmidt. Vest. LGU ... 161-162 '63.

PSKOV PROVINCE—EVENING AND CORRESPONDENCE SCHOOLS

Party work. Z. P. Antonova. Vech. i zaoch. shkola ... 12-15 My-Je '63.

PSKOV REGION—RUSSIAN LANGUAGE—FOREIGN ELEMENTS

Lexical contacts of the dialects of the Pskov ... the languages of the western Slavs, the world ... lupa" [with summary in English]. O. S. Mel'nichuk. Vest. LGU 18 no. 14 89-100 '63.

PSORIASIS

Tonsillectomy in arthropathic psoriasis. I. P. Vere... P. A. Testemitsanu. Zdravookhranenie 6 no. ... Je-F '63.

PSYCHIATRIC CLINICS

Work of the psychoneurological department in a ... hospital. E. E. Linchevskii. Zdrav. Rod. Polesi... no. 7 20-23 Jl '63.

PSYCHOLOGY

Fiftieth anniversary of the Institute of Psychology. ... Smirnov. Sov. pedag. 27 no. 6 139-141 Je '63.

PSYCHOLOGY, PHYSIOLOGICAL

Physiological effect of verbal stimuli during "... ment of attitudes" to react quickly or correctly [... summary in English]. N. I. Chuprikova. Zhur. ... nerv. deiat. 13 no. 3 255-260 My-Ap '63.

Psychopathological disorders in vascular lesions of ... brain. H. K. Bogolepov. Trudy 1-go MMI ... '63.

PSYCHOLOGY, PHYSIOLOGICAL—PHILOSOPHY

Akademiia nauk SSSR. Institut filosofii. [Philosophical aspects of the physiology of higher nervous activity and psychology] Filosofskie voprosy fiziologii vysshei nervnoi deiatel'nosti i psikhologii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 708 p.

PSYCHOPHARMACOLOGY

Unsolved problems of psychopharmacology [with summary in English]. C. J. Carr. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:38-51 '63.

PSYCHOSES

Cases of a combination of hypertension and tumor of the brain with mental disorders. I. S. Romanova, I. G. Ursova, A. A. Kornilov. Trudy 1-go MMI 21:273-284 '63.

Causes of death at a psychiatric hospital of patients above sixty years of age. V. P. Kushelev. Trudy 1-go MMI 21:327-333 '63.

Clinical aspects and work capacity of patients with reactive states in cerebral atherosclerosis. P. M. Popov. Trudy 1-go MMI 21:174-183 '63.

Clinical aspects of psychoses in vascular diseases of the brain, atherosclerosis and hypertension. V. N. Belousova. Trudy 1-go MMI 21:29-43 '63.

Clinical electroencephalographic study of hypotension with neuropsychic disorders. G. V. Ryzhikov, Iu. N. Fedorovskii. Trudy 1-go MMI 21:204-217 '63.

Clinical electroencephalographic study of reactive states in patients suffering from cerebral atherosclerosis. P. M. Popov. Trudy 1-go MMI 21:308-321 '63.

Course of hypertonic psychoses in the light of a late catamnesis. A. A. Kornilov. Trudy 1-go MMI 21:181-191 '63.

Diagnostic significance of rheoencephalography in cerebral atherosclerosis with mental disorders. I. S. Romanova, M. A. Ronkin. Trudy 1-go MMI 21:362-373 '63.

Diffuse changes in the brain in atherosclerosis with mental disorders, clinical morphological investigation. Iu. F. Rakhal'skii, P. B. Kazakova. Trudy 1-go MMI 21:453-470 '63.

Dynamics of arterial pressure in vascular diseases of the brain with mental disorders. O. E. Dekhtiar'. Trudy 1-go MMI 21:380-388 '63.

Dynamics of venous and arterial pressure in various stages of atherosclerosis of the vessels of the brain with mental disorders. V. V. Gromova. Trudy 1-go MMI 21:322-335 '63.

Mechanisms of the course of atherosclerotic disorders of the psyche. Iu. E. Rakhal'skii. Trudy 1-go MMI no. 21:67-75 '63.

Mental disorders and their psychotherapy in patients undergoing an operation - commissurotomy for an acquired heart defect. B. N. Mosunov. Trudy 1-go MMI 21:218-226 '63.

Mental disorders in hypertension at an early age. Iu. S. Ulanova. Trudy 1-go MMI 21:19-28 '63.

Neurological symptomatology in vascular psychoses. V. N. Belousova. Trudy 1-go MMI 21:120-127 '63.

Pathogenesis of psychoses occurring after surgical treatment of rheumatic heart defects, clinical morphological investigation. P. B. Kazakova, B. N. Mosunov. Trudy 1-go MMI 21:407-420 '63.

Peculiarities in the nocturnal sleep of patients with atherosclerosis of the vessels of the brain with mental disorders according to electroencephalography data. V. I. Fedortsov, G. N. Fedorovskii. Trudy 1-go MMI 21:192-203 '63.

Psychoses in conjunction with vascular lesions of the brain and senile dementia. V. P. Kushelev. Trudy 1-go MMI 21:511-519 '63.

Role of the somatic factor in the genesis of mental disorders following mitral commissurotomy. V. M. Degtiareva, R. N. Lebedeva. Trudy 1-go MMI 21:139-146 '63.

Vascular diseases and rheumatism at a psychiatric hospital and in autopsy. V. P. Kushelev. Trudy 1-go MMI 21:520-526 '63.

Vegetative tests in patients with vascular psychoses; preliminary report. V. N. Tid'mankov. Trudy 1-go MMI 21:374-379 '63.

PSYCHOTHERAPY

Mental disorders and their psychotherapy in patients undergoing an operation -- commissurotomy for an acquired heart defect. B. N. Mosunov. Trudy 1-go MMI 21:218-226 '63.

PSYCHOTROPIC DRUGS

Neyzoreva, T. A. [Clinical features of schizophrenia in the process of treatment with psychotropic preparations] Klinicheskie zakonomernosti shizofrenii v protsesse lecheniia psikhotropnymi preparatami. Pod red. V. M. Banshchikova. Moskva, Medgiz, 1963. 136 p. (DNLM)

PUBERTY

On the threshold of maturity. O. K. Nikanchyk. Rab. i sial. 39 no. 8:20-21 Ag '63.

PUBLIC HEALTH

(see also subdivision under Altai Territory; Biysk; Communist Countries; Moldavia; Omsk Province; Tashkent Province; Tevriz District; United States; Uzbekistan; Yemen)

Basic results of the activity of public health agencies and institutions in the R. S. F. S. R. at the beginning of 1963 (continuation). V. N. Ivakina. Zdrav. Ros. Feder. 7 no. 7:43-47 Jl '63.

Forty-fifth anniversary of the founding of the People's Commissariat of Public Health Service in the R.S.F.S.R. Zdrav. Ros. Feder. 7 no. 7:3-7 Jl '63.

Freidlin, S. IA. [Course of lectures on the organization of public health service] Kurs lektsii po organizatsii zdravookhraneniia. Leningrad, Medgiz, 1963. 405 p. (DNLM)

Maistrakh, K. V. [Organization of public health] Organizatsiia zdravookhraneniia, otdelom meditsinskikh uchebnykh zavedenii i kadrov ministerstva zdravookhraneniia SSSR rekomendovan v kachestve uchebnika dlia uchashchikhsia meditsinskikh uchilishch. Moskva, Medgiz, 1963. 198 p. (DNLM)

Study of the working experience of leading public health institutions and its utilization in practice. P. P. Obnosikin. Med. sestra 22 no. 6:6-9 Je '63.

PUBLIC HEALTH—STATISTICS

On the forthcoming census of public health institutions. V. Sakharova. Vest. stat. no. 6:70-78 '63.

PUBLIC HEALTH, RURAL

(see also subdivision under Floreshty District; Moldavia, Uzbekistan)

Rural public health service at a new stage. O. A. Orlova. Med. sestra 22 no. 6:3-6 Je '63.

PUBLIC PROSECUTORS

(see also subdivision under Anuchino District; Fergana; Hungary; Saratov Province, Sverdlovsk Province, Ukraine)

How public prosecutors supervise the observance of laws. Sots. zakon. 40 no. 7:85-87 Jl '63.

How public prosecutors supervise the observance of Soviet laws. Sots. zakon. 40 no. 6:91-93 Je '63.

I. A. Akulov, the first public prosecutor of the U. S. S. R. N. Orlov, V. Lebedinskii. Sots. zakon. 40 no. 7:26-28 Jl '63.

Important problems concerning the function of public prosecutors to supervise the observance of laws. M. IAkovleva. Sots. zakon. 40 no. 6:94-95 Je '63.

In the Office of the Public Prosecutor of the U. S. S. R. Sots. zakon. 40 no. 6:90 Je '63.

In the Office of the Public Prosecutor of the U. S. S. R. Sots. zakon. 40 no. 7:15 Jl '63.

Let us eliminate shortcomings in public prosecutors' supervision of the legality of and sufficient grounds for judicial sentences. A. Ivanenko. Sots. zakon. 40 no. 6:17-19 Je '63.

More about the various forms of cooperation between public prosecutors and trade unions. A. Kliger. Sots. zakon. 40 no. 7:29-31 Jl '63.

"Organization of Soviet courts and the offices of public prosecution" by A. I. Rivlin, T. N. Dobrovol'skaia and others. Izv. vys. ucheb. zav.; prav. 7 no. 2:179-182 '63.

We should raise the qualifications of public prosecutors. F. Gorliak. Sots. zakon. 40 no. 6:37-39 Je '63.

PUBLISHERS AND PUBLISHING

(see also subdivision under Ukraine; Uzbekistan)

The "Mashgiz" publishing house is 25 years old. Kuz.-shtam. proizv. 5 no. 7:40 Jl '63.

Twenty-fifth anniversary of the State Publishing House of Literature on Machinery. Mashinostroitel' no. 7:43 Jl '63.

Twenty-fifth anniversary of the State Publishing House of Literature on Machinery. Priborostroenie no. 7:31 Jl '63.

PUGACHEV, EMEL'IAN IVANOVICH, ca. 1742-1775

E. Pugachev in the Ukraine and White Russia. A. S. Cherevani. Ukr. ist. zhur. 6 no. 3:100-110 My-Je '63.

PUGACHEV REBELLION

Participation of the captive soldiers of the Polish "Confederation of Bar" in the Russian Peasant War of 1773-1775 [with summary in English]. V. A. Spirkov. Vest. LGU 18 no. 14:19-30 '63.

PULKOVO—SEISMOMETRY

Atmospheric circulation in the northern Atlantic and microseisms in Pulkovo. A. D. Sytinskii, K. I. Chukanin. Izv. AN SSSR. Ser. geofiz. no. 8:1238-1239 Ag '63.

PULMONARY ARTERY

Architectonics of branches of the pulmonary artery in children during the first 2 years of life in health and in pneumonia. I. G. Poddubnyi. Zdravookhranenie 6 no. 1:44-49 Ja-F '63.

PULMONARY ARTERY—RADIOGRAPHY

Theory of the tomographic image of pulmonary vessels [with summary in English]. Sh. Shotemor. Vest. rent. i rad. 38 no. 2:25-33 Mi-Ap '63.

PULMONARY CIRCULATION

Comparative evaluation of contrast substances for angiography [with summary in English]. L. S. Rozenshtraukh, M. L. Semenovskii. Vest. rent. i rad. 38 no. 2:9-13 Mi-Ap '63.

Effect of neurotropic substances on chemoreflexes from the vessels of the pulmonary circulation [with summary in English]. Z. N. Ivanova. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:265-277 '63.

Lararis, IA. A., and I. A. Serebrovskaia. [Pulmonary circulation] Legochnoe krovoobrashchenie. Moskva, Medgiz, 1963. 242 p.

Respiratory properties of the blood in conditions of collateral circulation in the pulmonary tissue [with summary in English]. D. L. Rotenberg, E. P. Mel'man, Iu. A. Maksimuk. Vrach. delo no. 8:78-81 Ag '63.

PULMONARY HEART DISEASE see Cor pulmonale

PULMONARY VEIN—RADIOGRAPHY

Theory of the tomographic image of pulmonary vessels [with summary in English]. Sh. Shotemor. Vest. rent. i rad. 38 no. 2:25-33 Mi-Ap '63.

PULSE

Changes in the duration of individual phases of mechanical systole of the left ventricle and pulse wave spread rate in arteries of elastic and muscular type in hypertension [with summary in English]. N. N. Kipshidze and others. Kardiologiia 3 no. 3:27-33 My-Je '63.

PULSE CIRCUITS

Trigger network with emitter feedback and normal closed-loop transistor output. G. P. Poliakov. Vest. elektroprom. 34 no. 8:23-26 Ag '63.

PULSE TECHNIQUES (ELECTRONICS)

Apparatus for measuring pulse pressures. Prib. i tekh. eksp. 8 no. 3:207 My-Je '63.

Controlled generators of time intervals. A. L. Gurevich, L. A. Rusinov. Izv. vys. ucheb. zav., prib. 6 no. 3:45-54 '63.

Decation equipped devices for discrete counting of electric pulses. V. S. Afonchikov, A. A. Kruglov, A. G. Mikerov. Izv. vys. ucheb. zav.; prib. 6 no. 3:55-62 '63.

Electronic circuit for the separation of signals differing in type. A. A. Sanin, IU. V. Mineev. Prib. i tekh. eksp. 8 no. 3:79-81 My-Je '63.

Heat stabilization of multiphase transistor multivibrators. IA. E. Belen'kii, V. R. Olesin. Radiotekhnika 18 no. 6:51-55 Je '63.

Law of the distribution of random voltages at the output of a square-law storage device with exponential weight function. IU. S. Lezin. Trudy GPI 16 no. 9:79-81 '60.

Measuring the passage of a signal through a photoelectronic amplifier. A. IU. Borisov. Prib. i tekh. eksp. 8 no. 3:187-188 My-Je '63.

Propagation of excitation in a one-dimensional excitable tissue [with summary in English]. V. R. Telesnin. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:624-628 '63.

Self-reading channel in an apparatus for measuring coordinates in track photographs. L. I. Likhtenbaum, B. N. Moiseev, V. S. Kaftanov. Prib. i tekh. eksp. 8 no. 3:32-39 My-Je '63.

Some generalizations in the theory of random pulse processes. B. R. Levin. Elektrosviaz' 17 no. 7:21-32 Jl '63.

Synthesis of optimal filters and mutual correlation devices. IU. S. Lezin. Trudy GPI 16 no. 9:74-78 '60.

PULVERIZED COAL see Coal, Pulverized

PUMPING MACHINERY

(see also subdivision under Bashkiria)

Automation of slurry pumping machinery. I. I. Levchenko. Koks i khim. no. 8:19-22 '63.

Reservoir with a pumping pipe. A. Kostenko, V. Timinov. Pozh. delo 9 no. 8:25 Ag '63.

Sectional node for piston compressors and circulating gas pumps. A. Kh. Trukhin. Khim. mashinostr. no. 4:34 Jl-Ag '63.

Simplified method for designing vacuum steam ejectors. S. I. Vil'der. Khim. mashinostr. no. 4:19-23 Jl-Ag '63.

Technical re-equipment in pumping machinery. N. Sennikovskii. Rech. transp. 22 no. 7:30-31 Jl '63.

Vedernikov, M. I., and I. V. Rudoi. [Operator of compressor and pumping machinery in the chemical industry] Mashinist kompressornykh i nasosnykh ustanovok khimicheskoi promyshlennosti. Moskva, Profizdat, 1963. 374 p.

Wood packing for hydraulic presses and pumps. I. A. Shashkin. [Nauch. trudy] ENIKMASha 6:70-80 '63.

PUMPING MACHINERY—MAINTENANCE AND REPAIR

Stand for pump repair. P. Madzigon. Pozh. delo 9 no. 8:26 Ag '63.

PUMPING MACHINERY, ELECTRIC

Study of the automatic control system of tower-type water pumping systems. G. E. Kiston', N. F. Zavgorodnii. Nauch. trudy UNIIMESKH 4:110-120 '62.

PUNCHED CARD SYSTEMS

Photoelectric head for reading the design pattern in the automatic cutting of jackard punched cards for looms. IA. M. Rebarbar, D. A. Susiov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 3:103-111 '63.

Punched card-reproducing machines and their utilization. A. Kaganovich. Bukhg. uchet 29 no. 8:23-28 Ag '63.

Supply agriculture with calculating machines. A. A. Bachurin. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 8:13 Ag '63.

PUNCHED CARD SYSTEMS—AGRICULTURE

Supply agriculture with calculating machines. A. A. Bachurin. Uchet. i fin. v kolkhoz. i sovkhoz. 20 no. 9:41-42 S '63.

PUNCHED CARD SYSTEMS—INDUSTRIAL PROCUREMENT see subdivision under Donetsk Province

PUNISHMENT

Procedural problems concerning the change of corrective labor to other forms of punishment. R. Litvinov. Sov. iust. no. 9:9-11 My '63

PUPIL (EYE)

Measurement of interpupillary distance in strabismus with incorrect fixation. V. F. Kagan. Uch. zap. GNII glaz. bol. no. 8:248-250 '63

PURPURA (PATHOLOGY)

Clinical variations of hemorrhagic vasculitis. E. S. Rom-Bugoslavskaia, A. N. Tumanova. Kaz. med. zhur. no. 3:50-52 My-Je '63

Differential diagnosis of Werlhof's disease and aplastic anemia in children. O. S. Sviashchikova. Ped., akush. i gin. 25 no. 2:21-23 '63.

Leukemoid reaction following splenectomy in Werlhof's disease. B. Sh. Dashevskaia, V. V. Salamatina. Kaz. med. zhur. no. 3:80-81 My-Je '63

State of the vascular wall in hemorrhagic vasculitis [with summary in English]. G. I. Alekseev. Sov. med. 27 no. 7:32-34 Jl '63.

Unusual course of hemorrhagic vasculitis. G. E. Vinkler. Vrach. delo no. 8:117-119 Ag '63.

PUSHKIN, ALEKSANDR SERGEEVICH, 1799-1837

If we look at the facts. B. Meilakh. Vop. lit. 7 no. 7:193-194 Jl '63.

Moscow. Muzei A. S. Pushkina. [The A. S. Pushkin Museum in Moscow] Muzei A. S. Pushkina v Moskve. Moskva, Moskovskii rabochii 1962. 191 p. (Po muzeiam i vystavkam Moskvy i Podmoskov'ia) (CSL)

Study of Pushkin's works in senior grades and the analysis of landscape descriptions. T. F. Kurdiumova. Uch. zap. MGPI no. 185:145-170 '62.

PUSHKIN, ALEKSANDR SERGEEVICH, 1799-1837—MUSEUMS, RELICS, ETC.

Relics of Pushkin's era. E. Pavlova. Ogonek 41 no. 26:19 Je '63.

PUZANOVA, VARVARA PETROVNA, 1899-1963

V. P. Puzanova; obituary. Standartizatsiia 27 no. 7:54 Jl '63.

PYGMIES see subdivision under Congo (Leopoldville)

PYRALID MOTH—EXTERMINATION

Gooseberry fruitworm. V. E. Savzdarg. Zashch. rast. ot vred. i bol. 8 no. 7:51 Jl '63.

PYRANCARBOXYLIC ACID

Chemistry of vinylacetylene. Report No. 12. Synthesis of 4-hydroxytetrahydropyran-4-carboxylic acids and their esters. S. A. Vartanian, V. N. Zhamagortsian, L. G. Grigorian. Izv. AN Arm. SSR. Khim. nauki 16 no. 4:399-404 '63.

PYRIDINE

Cleavage of pyridine rings in α- and γ-vinylpyridines and in polymers obtained from their monomers [with summary in English]. I. S. Mazel', E. A. Vasil'eva-Sokolova, G. I. Kudriavtsev. Vysokom. soed. 5 no. 6:868-872 Je '63.

Macromolecular compounds, derivatives of pyridine. Part 2: Thioamides and polythioamides based on some alkyl pyridines [with summary in English]. A. P. Terent'ev and others. Vysokom. soed. 5 no. 6:842-845 Je '63.

Surface catalytic evolution of hydrogen during the polarographic investigation of unbuffered solutions of pyridine. L. D. Kliukina, S. G. Mairanovskii. Izv. AN SSSR, Ser. khim. no. 7:1183-1186 Jl '63.

Synthesis and certain properties of pyridinium pyridinepentahalorhenates (IV): $PyH[ReOPyCl_5]$ and $PyH[ReOPyBr_5]$. G. K. Babeshkina, V. G. Tronev. Dokl. AN SSSR 152 no. 1:100-101 S '63.

Synthesis and study of copolymers of 2-methyl-5-vinylpyridine with mon-, di-, and triethylene glycol dimethacrylates. A. B. Davankov, L. B. Zubakova, N. M. Petrova. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:294-298 '63.

PYRIDINIUM COMPOUNDS

Cleavage of pyridine rings in α- and γ-vinylpyridines and in polymers obtained from their monomers [with summary in English]. I. S. Mazel', E. A. Vasil'eva-Sokolova, G. I. Kudriavtsev. Vysokom. soed. 5 no. 6:868-872 Je '63.

Synthesis and certain properties of pyridinium pyridinepentahalorhenates (IV): $PyH[ReOPyCl_5]$ and $PyH[ReOPyBr_5]$. G. K. Babeshkina, V. G. Tronev. Dokl. AN SSSR 152 no. 1:100-101 S '63.

PYRIDOXINE

Clinical experimental observations on the use of pyridoxine in anemias [with summary in English]. G. M. Pokotilenko. Vrach. delo no. 8:23-26 Ag '63.

PYRIMIDINES

Preparation of α-C^{14}-β-(4-hydroxy-6-methyl-2-pyrimidyl)-alanine. Iu. P. Shvachkin, G. G. Krivtsov. Vest. Mosk. un. Ser. 2: Khim. 18 no. 4:91-92 Jl-Ag '63

Synthesis of a pyrimidine analog of β-(2,4-dihydroxy-6-methylphenyl)-alanine. Iu. P. Shvachkin, L. A. Syrtsova. Vest. Mosk. un. Ser. 2. Khim. 18 no. 4:88-90 Jl-Ag '63.

PYROCATECHOL

Polarographic reduction of gallium in a pyrocatechol solution [with summary in English]. A. I. Zelianskaia, L. IA. Kubalo. Zhur. anal. khim. 18 no. 6:726-728 Je '63

PYROGALLOL

Developing properties of hydroxybenzylpyrogallol. M. S. Khaikin, D. B. Shamil'skaia, L. G. Fedorina. Zhur. nauch. i prikl. fot. i kin. 8 no. 5:375-376 S-O '63

PYROPHOSPHORIC ACID

Synthesis of amido esters of pyrophosphoric and thiopyrophosphoric acids. K. V. Nikonorov, Z. G. Speranskaia. Izv. AN SSSR, Ser. khim. no. 9:1697-1699 S '63.

PYRROLE

Catalytic synthesis of higher pyrrole and pyrrolidine homologs from α-furylalkylamines. N. I. Shuikin, I. F. Bel'skii, G. E. Skobtsova. Izv. AN SSSR, Ser. khim. no. 9:1678-1680 S '63.

PYRROLIDINE

Catalytic synthesis of higher pyrrole and pyrrolidine homologs from α-furylalkylamines. N. I. Shuikin, I. F. Bel'skii, G. E. Skobtsova. Izv. AN SSSR, Ser. khim. no. 9:1678-1680 S '63.

Conjugated hydrogenolysis in the synthesis of pyrrolidine homologs. I. F. Bel'skii, N. I. Shuikin, G. E. Skobtsova. Izv. AN SSSR, Ser. khim. no. 9:1675-1678 S '63.

PYRROLIDINONE

Equilibrium of liquid phases in the system 2-N-methylpyrrolidone (aqueous solution) - isopentane - vinylnaphthalene - ethylnaphthalene (separation of vinylnaphthalene and ethylnaphthalene by fractional extraction). Kh. A. Arutunovich, A. G. Frolov, A. B. Kondakova. Neftekhimiia 3 no. 3:413-416 My-Je '63

PYRYLIUM COMPOUNDS

Preparation of tetrahydroxypyrylium ethers of polyvinyl alcohol. I. A. Sapozhnikova, A. S. Sultanov. Uzb. khim. zhur. 7 no. 3:37-42 '63

Q FEVER see subdivision under Ukraine, Western

QUACK GRASS see subdivision under Kazakhstan

QUACKS AND QUACKERY

You shouldn't trust quacks. L. Mits'ko. Rab. i sial. 39 no. 8:8 Ag '63.

QUADRATIC FORMS see Forms, Quadratic

QUALITY CONTROL

(see also subdivision under Ukraine; Uzbekistan)

Economy derived from improving the quality of industrial production. A. Sachinskii. Plan. khoz. 40 no. 8:22-27 Ag '63.

QUANTUM CHEMISTRY

State and several problems of the theory of the electronic clouds of molecules. N. D. Sokolov. Usp. khim. 32 no. 8:967-983 Ag '63.

QUANTUM ELECTRODYNAMICS

Characteristics of polar relations in physical objects. I. I. Zhbankova. Vestsi AN BSSR Ser. hram. env. no. 2:16-27 '63.

Low-lying levels in semiconductors [with summary in English]. L. V. Keldysh. Zhur. eksp. i teor. fiz. 45 no. 2:364-375 Ag '63.

Use of the quantum electrodynamic matrix of density in calculating absorption. P. A. Apanasevich. Dokl. AN BSSR 6 no. 12:768-771 D '62

QUANTUM FIELD THEORY

General principles of developing a theory of the quantized field of the probability amplitude. Iu. M. Lomsadze, I. Iu. Krivskii, I. V. Khimich. Izv. vys. ucheb. zav., fiz. no. 4:26-33 '63.

Physical nature of the theory of the quantized field of the probability amplitude. Iu. M. Lomsadze, I. Iu. Krivskii, I. V. Khimich. Izv. vys. ucheb. zav., fiz. no. 4:113-119 '63.

QUANTUM THEORY

Bremsstrahlung of ultrarelativistic electrons in crystals. N. P. Kalashnikov. Fiz. tver. tela 5 no. 7:1924-1926 Jl '63.

Characteristics of the Zeeman and Stark effects on a Mott exciton. D. S. Bullanitsa. Fiz. tver. tela 5 no. 8:2376-2378 Ag '63.

Distribution of the sodium atom population on sublevels of the ground state under the effect of optical pumping [with summary in English]. V. S. Nasonov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:529-535 '63.

Efficiency of optical pumping in vaporized sodium [with summary in English]. V. S. Nasonov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:518-528 '63.

High-frequency magnetic field of the lattice and its effect on the properties of solid bodies. Part 2. T. I. Kakushadze. Izv. vys. ucheb. zav.; fiz. no. 4:10-15 '63.

Magnetic anisotropy of uniaxial ferromagnetics. N. A. Potapkov. Dokl. AN SSSR 151 no. 3:543-545 Jl '63.

Majorization technique in quantum mechanics. O. I. Zav'ialov. Dokl. AN SSSR 151 no. 3:539-542 Jl '63.

Modern methods in the theory of multiphonon processes. Iu. E. Perlin. Usp. fiz. nauk 80 no. 4:553-595 Ag '63.

Photon emission by a fast particle interacting with elementary excitations in matter [with summary in English]. M. I. Ryazanov. Zhur. eksp. i teor. fiz. 45 no. 2:333-336 Ag '63

Possibility of resonance penetration of electrons through barrier systems in crystals [with summary in English]. L. V. Iogansen. Zhur. eksp. i teor. fiz. 45 no. 2:207-213 Ag '63.

Statistical theory of the density of nuclear levels [with summary in English]. A. V. Malyshev. Zhur. eksp. i teor. fiz. 45 no. 2:316-321 Ag '63.

Study on the quantum theory of collisions. Part 1: V. D. Kamenetskii. Izv. vys. ucheb. zav., fiz. no. 4:82-85 '63.

Study on the quantum theory of collisions. Part 2. V. D. Kamenetskii. Izv. vys. ucheb. zav.; fiz. no. 4:86-92 '63.

Temperature dependence of the line width of resonance absorption by the lattice in ionic crystals [with summary in English]. L. E. Gurevich, I. P. Ipatova. Zhur. eksp. i teor. fiz. 45 no. 2:231-236 Ag '63.

Theory of optical transitions in local centers. L. S. Kukushkin. Fiz. tver. tela 5 no. 8:2170-2177 Ag '63.

QUARRIES AND QUARRYING—SAFETY MEASURES

Nekliudov, M. K. [Safety manual for quarrymen] Pamiatka po tekhnike bezopasnosti dlia kamenshchika na kar'ere. Izd. 2, ispr. i dop. Moskva, Gosstroiizdat, 1963 23 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

QUARTZ—ELECTRIC PROPERTIES

Aging of quartz. O. Sh. Grois. Radiotekh. i elektron. 8 no. 9:1630-1632 S '63.

QUERCETIN

7-Alkyl derivatives of quercetin and their antioxidizing effectiveness. G. I. Samokhvalov and others. Izv. AN SSSR, Ser. khim. no. 9:1617-1621 S '63.

QUINCE—VARIETIES

Promising varieties of quince. L. A. Ershov. Kons. i ov. prom. 18 no. 9:19-21 S '63.

QUINOLINE

Recovery of pure quinoline. B. E. Kogan. Koks i khim. no. 9:45-47 '63.

QUINOLINETHIOL—ABSORPTION SPECTRA

8-Mercaptoquinoline (thioxine) and its derivatives. Report No. 26. Absorption spectra and the state of 8-mercaptoquinoline in solutions [with summary in English]. IU. A. Bankovskii, L. M. Chera, A. F. Ievin'sh. Zhur. anal. khim. 18 no. 6:668-686 Je '63.

QUINOLINOL

Polymers with chelate bonds, derivatives of 8-hydroxyquinoline. L. I. Aristov, V. V. Konstantinov. Izv. TPI 111:104-106 '61.

QUINONES

Effect of adsorption on the rate of processes taking place on a platinum electrode in the system quinone-hydroquinone. IAo Lu-an' [Yao Lu-an] and others. Dokl. AN SSSR 151 no. 1:151-154 Jl '63.

Polymeric semiquinone polyradicals of high stability. A. A. Berlin and others. Izv. AN SSSR, Ser. khim. no. 7:1351 Jl '63.

QUINONES—ABSORPTION SPECTRA

Infrared spectra of polyamino quinones [with summary in English]. IU. V. Kiesin, G. M. Pshenitsyna. Vysokom. soed. 5 no. 7:1069-1071 Jl '63.

RABBIT BREEDING

Advanced methods for feeding, breeding and housing rabbits. Inform. biul. VDNKH no. 7:34 Jl '62.

Fifteen best breeds of rabbits. Inform. biul. VDNKH no. 7:24-25 Jl '62.

RABBIT HUTCHES—DISINFECTION

Disinfection of rabbit hutches infected with coccidia by using the LSD-3 hydraulic flamethrower. B. A. Nikol'skii, V. D. Bubnov. Trudy VNIIVS 14:42-43 '59.

RABIES see subdivision under Kirghizistan

RABSTEIN ON THE STRELA, CZECHOSLOVAKIA—DESCRIPTION

The smallest town. Vokrug sveta no. 1:33 Ja '63.

RADAR IN ASTRONOMY

Marvelous rays. L. Kastsiushka. Belarus' 20 no. 5:8 My '63.

Processing of cosmic radar signals by digital computers using the frequency filtration and storage method [with summary in English]. L. I. Filippov. Izv. vys. ucheb. zav., radiofiz. 6 no. 3:618-623 '63.

Radar observations of Venus in the Soviet Union during 1962. V. A. Kotel'nikov and others. Dokl. AN SSSR 151 no. 3:532-535 Jl '63.

RADAR IN NAVIGATION see subdivision under Great Britain

RADIATION

Combined effect of irradiation and of a surface-active medium on the mechanical properties of single metal crystals. V. I. Likhtman, O. A. Trofitskii. Zhur. fiz. khim. 37 no. 8:1893-1896 Ag '63.

Conversion of intensive monochromatic radiation into electric current. N. G. Basov, O. N. Krokhin. Fiz. tver. tela 5 no. 8:2364-2366 Ag '63.

Demidov, A. M. [Methods for studying nuclear radiations in the radiation capture of thermal neutrons] Metody issledovaniia izluchenii ladei pri radiatsionnom zakhvate teplovykh neitronov. Moskva, Gostoptekhizdat, 1963. 73 p.

Diffusion of radiation in a semi-infinite medium with nonisotropic scattering. Part 2. [with summary in English]. I. N. Minin. Vest. LGU 18 no. 13:106-118 '63.

Effect of the braking radiation of betatron with an energy of 25 Mev and of ultraviolet rays on mineral oils. S. Z. Kaplan and others. Khim. i tekh. topl. i masel 8 no. 8 57-61 Ag '63.

Emission of fast particles in a nonstationary inhomogeneous medium [with summary in English]. K. A. Barsukov, B. M. Bolotovskii. Zhur. eksp. i teor. fiz. 45 no. 2:303-304 Ag '63.

Energy-momentum tensor of radiation in a moving medium near equilibrium. V. S. Imshennik, Iu. I. Morozov. PMTF no. 3:3-10 My-Je '63.

Radiation from readily ionizable impurities in a plasma in the case of thermal excitation. O. P. Semenova, M. A. Levchenko. Dokl. AN SSSR 151 no. 1:90-91 Jl '63.

Radiation of an electron moving spirally in a magnetoactive plasma. Part 3. V. I. Pakhomov, K. N. Stepanov. Zhur. tekh. fiz. 33 no. 4:437-443 Ap '63.

Radiation polymerization of vinyl fluoride [with summary in English]. Kh. U. Usmanov and others. Vysokom. soed. 5 no. 8 1277 Ag '63.

Reaction of radicals from irradiated proteins and polymethyl methacrylate with oxygen and alkyl phenols. I. I. Saprizhinskii, Iu. V. Sliaev, N. M. Emanuel'. Dokl. AN SSSR 151 no. 3:584-586 Jl '63.

Studies in radiation polymerization. Part 2. Radiation polymerization of piperylene [with summary in English]. V. S. Ivanov and others. Vysokom. soed. 5 no. 8:1255-1262 Ag '63.

RADIATION—PHYSIOLOGICAL EFFECT

Effect of small doses of ionizing radiations on the human body; review of literature. V. V. Rozin. Voen.-med. zhur. no. 8 22-28 '62.

Prevention and treatment of radiation reactions and lesions of the rectum with galascorbin. V. P. Dudarenko. Vrach. delo no. 6:76-77 Je '63.

State of the crystalline lens in persons working in an area of ionizing radiation [with summary in English]. L. S. Lutsker. Uch. zap. GNII glaz. bol. no. 8:62-67 '63.

RADIATION—PROTECTIVE AGENTS

Effect of some protective substances on changes in the reactivity of tissue sulfhydryl groups in irradiated animals. L. I. Korchak, T. A. Speranskaia. Dokl. AN SSSR 151 no. 3:712-713 Jl '63.

Emergency aid in poisoning with radioactive iodine [with summary in English]. V. P. Borisov. Med. rad. 7 no. 11 27-31 N '62.

Reduction in the protective effectiveness of cysteamine during repeated exposure to radiation. S. N. Aleksandrov, K. F. Galkovskaia. Dokl. AN SSSR 152 no. 1:215-217 S '63.

RADIATION—SAFETY MEASURES

Modernization of the device for opening the metal container used for the transportation of radioactive isotopes in a "controlled" package. F. M. Liass, V. M. Desiatnikov. Med. rad. 7 no. 11 75-76 N '62.

Organization of work and norms of radiation exposure for personnel engaged in the diagnosis and treatment of thyroid gland diseases with radioactive iodine [with summary in English]. V. Kh. Frenkel'. Med. rad. 7 no. 11 23-26 N '62.

Review of the book "Radiation hygiene." B. S. Berezovskii. Kaz. med. zhur. no. 3:108-111 My-Je '63.

Study on the protective action of cystamine on the cells of ascitic Ehrlich's carcinoma, irradiated in vivo and in vitro. I. V. Nekrasova. Dokl. AN SSSR 151 no. 1:217-219 Jl '63.

RADIATION SICKNESS

Acute form of radiation sickness with the syndrome of predominant affection of the gastrointestinal tract; review of the literature. V. A. Rezontov, A. V. Popov, P. S. Ponomarev. Voen.-med. zhur. no. 8:39 '62.

Effect of some pharmacopeial preparations on radiation sickness in an experiment. A. V. Shubina. Med. rad. 7 no. 11 83-85 N '62.

Evaluation of the fluorescence microscopy picture of the blood and bone marrow following roentgen irradiation [with summary in English]. V. A. Kolpakov. Med. rad. 7 no. 11 50-53 N '62.

Functional and morphological changes of some organs and systems in chronic radiation sickness; experimental research. A. N. Kishkovskii. Voen.-med. zhur. no. 8:39-44 '62.

Healing of closed bone fractures in chronic radiation sickness, experimental research. Voen.-med. zhur. no. 8, 14-16 '62.

Permeability of the hematoencephalic barrier to inorganic phosphate in acute radiation sickness. D. A. Chetverikov, S. V. Gasteva. Dokl. AN SSSR 151 no. 3 718-721 Jl '63.

Radiation sickness resulting from internal irradiation. E. B. Zakrzhevskii, I. I. Safronov. Voen.-med. zhur. no. 8:29-35 '62.

Scientific conference dedicated to the problem of recovery from radiation lesions. O. V. Popov. Med. rad. 7 no. 11 92-94 N '62.

Some characteristics of the mechanism of leucopenia in acute radiation shock. V. M. Vorinik. Med. rad. 7 no. 11 82-83 N '62.

Substitution therapy at the peak of acute radiation sickness [with summary in English]. A. N. Berkutov and others. Med. rad. 7 no. 11 59-65 N '62.

Treatment of acute radiation sickness by homotransplantation of fresh and preserved spleen [with summary in English]. V. V. Revis. Med. rad. 7 no. 11 65-71 N '62.

RADIATION STERILIZATION

Preliminary testing in the study of the effect of ionizing radiation on the keeping time of fresh tangerines. I. P. Kovalskaia, S. V. Silaeva. Kons. i ov. prom. 18 no. 9 26-30 S '63.

RADICALS (CHEMISTRY)

Calculation of the steady-state concentrations of R and RO_2 radicals as a function of the concentration of O_2 in the reactions of oxidation of hydrocarbons. R. F. Vasil'ev. Izv. AN SSSR Ser. khim. no. 7 1191-1195 Jl '63.

Formation and reactions of free radicals produced by γ-radiation in solid ammonia and hydrazine. V. I. Tupikov, S. IA. Pshezhetskii. Zhur. fiz. khim. 37 no. 8: 1900-1903 Ag '63.

Formation of free radicals in the reaction of hydroperoxides with ketones. E. T. Denisov. Zhur. fiz. khim. 37 no. 8:1898-1899 Ag '63.

New stock of silicon oxide and close radicals infinite in one dimension. N. V. Belov. Kristallografiia 8 no. 5 587-594 Jl-Ag '63.

Problem of the preferred direction of free-radical reactions. L. A. Muzychenko. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:243-247 '63.

Reaction of free organic radicals with Grignard reagents. E. G. Rozantsev, M. B. Neiman, Iu. G. Mamedova. Izv. AN SSSR. Ser. khim. no. 8:1509-1511 Ag '63.

Reaction of radicals from irradiated proteins and polymethyl methacrylate with oxygen and alkyl phenols. I. I. Saprizhinskii, Iu. V. Sliaev, N. M. Emanuel', Dokl. AN SSSR 151 no. 3,584-586 Jl '63.

Reactions of a new organic radical in which free valency is not involved. E. G. Rozantsev. Izv. AN SSSR. Ser. khim. no. 9:1668-1672 S '63.

Study of tert-butyl peroxide decomposition and the reactions of radicals formed in the synthesis of polydiphenylmethylene. D. G. Val'kovskii, S. L. Sosin, V. V. Korshak. Izv. AN SSSR Ser. khim. no. 7:1319-1327 Jl '63.

RADICALS (CHEMISTRY)—SPECTRA

Electron paramagnetic resonance spectra of free radicals in solid polymer degradation products. P. Iu. Buttagin, I. V. Kolbanev, V. A. Radtsig. Fiz. tver. tela 5 no. 8:2257-2260 Ag '63.

RADIMOV, PAVEL ALEKSANDROVICH, 1887-

Enthusiasm.... V. Voronov. Ogonek 41 no. 31:24 Jl '63.

RADIO

(see also subdivision under United States)

Akademiia stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Use of radio in dispatcher control] Primenenie radiosviazi v dispetcherskoi sluzhbe; opyt tresta No. 15 "Stroimekhanizatsiia" Ministerstva stroitel'stva Belorusskoi SSR. Moskva, Gosstroiizdat, 1962. 10 p.

[MICROFILM]

Law of the distribution of random voltages at the output of a square-law storage device with exponential weight function. Iu. S. Lezin. Trudy GPI 16 no. 2:79-81 '60.

[Radio electronics abroad] Zarub. radioelek. 9 S '63.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. 3. Sec. E. ch. 1. [Communication installations, radio and television, general regulations for the organization of construction and acceptance of work] Sooruzheniia sviazi, radioveshchaniia i televidenila; obshchie polozheniia organizatsii stroitel'stva i priemki v ekspluatatsiiu (SNIP III-E.1-62). 1963. 11 p.

Through the pages of foreign periodicals. Radio no. 8: 59-60 Ag '63.

RADIO—ABSTRACTS

[Radio engineering and telecommunication] Ref. zhur. Radiotekh. i elektrosviaz' no. 9 S '63.

RADIO—EQUIPMENT AND SUPPLIES

Choice of the optimum dissipation of electric power in the components of radio-electronic apparatus. N. I. Vollerner. Izv. vys. ucheb. zav., radiotekh. 6 no. 3: 287-291 My-Je '63.

Lebedev-Karmanov, A. I., ed. [Modern radio transmitting equipment for radio and television broadcasting on ultrashort waves] Sovremennoe radiopередatochnoe oborudovanie dlia radio i televizionnogo veshchaniia na ultrakorotkikh volnakh. Moskva, Sviaz'izdat, 1963. 200 p. (Tekhnika sviazi)

Let's send our best exhibits to the All-Union public review. M. Barsina. Radio no. 8:10-11 Ag '63.

Regretful mistakes. I. Zakharov. Radio no. 8 11 Ag '63.

Television sets, radio apparatus, and electronic calculating machines. Inform. biul. VDNKH no. 7:10 Jl '62.

RADIO—INSTALLATION ON SHIPS

High-frequency potential on the case of a marine radio transmitter. G. S. Shul'man, I. Sh. Beniavskii. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 11 26-31 '62.

RADIO—INTERFERENCE

Experimental study of interference rejection of an FM signal reception system consisting of a wide-band stage, limiter, narrow-band stage, FM discriminator and filter. N. A. Khutina. Trudy GPI 16 no. 1 97-100 '60.

Extrapolative features of a system of parallel operating resonators. Iu. I. Medvedev. Trudy GPI 16 no. 2,82-86 '60.

Limiter with tracking threshold in a system with a detuned filter, limiter, and tuned filter. V. D. Kalantsev. Trudy GPI 16 no. 2:69-73 '60.

Statistical properties of interference at the output of a communication system with phase pre-emphasis of the signal. Iu. N. Babanov. Trudy GPI 16 no. 2 5-11 '60.

RADIO—RECEIVERS AND RECEPTION

Experimental study of a method for increasing the selectivity of radio receiving systems with superposing AM signal spectra. Iu. N. Babanov. Radiotekhnika 18 no. 6:26-28 Je '63.

Experimental study of interference rejection of an FM signal reception system consisting of a wide-band stage, limiter, narrow-band stage, FM discriminator and filter. N. A. Khutina. Trudy GPI 16 no. 2 97-106 '60.

Increase in the frequency selectivity of systems by suppressing undesirable signal modulations. A. P. Zelenin. Trudy GPI 16 no. 2:17-60 '60.

Method for improving the actual selectivity of an AM signal receiver. V. M. Shushin, A. P. Zelenin. Izv. vys. ucheb. zav., radiotekh. 6 no. 3:311-313 My-Je '63.

"Narochi" radio receiver. A. Balakin, Iu. Shamgin. Radio no. 8:25-26 Ag '63.

An SSB attachment. L. Usmanov. Radio no. 8 21-23 Ag '63.

RADIO—REPAIRING

Our consultations. Radio no. 8, 61-63 Ag '63.

RADIO—TECHNOLOGICAL INNOVATIONS

Radio amateurs contribute to technological progress. S. Shatilov. Radio no. 8:8-9 Ag '63.

RADIO—TRANSMITTERS AND TRANSMISSION

Decision No. 12 of the plenary session of the Supreme Court of the U.S.S.R. of July 3, 1963 "Determination of the unlawful use of radiotransmitting devices with an intent to perpetrate a criminal offense." Biul. Verkh. Suda no. 4:26 '63.

RADIO, MILITARY

Radiotechnical troops on combat watch. A. Podol'skii. Komm. Vooruzh. Sil 3 no. 16:38-43 Ag '63.

RADIO, SHORTWAVE

Improvements in the ultrashort wave radio station of the steamer "Olonets." N. Karmalin. Mor. flot 23 no. 5: 20 My '63.

RADIO, SHORTWAVE—RECEIVERS AND RECEPTION

Higher harmonics in radio shortwave receivers. B. P. Terent'ev, B. B. Shtein. Elektrosviaz' 17 no. 7:7-15 Jl '63.

RADIO ASTRONOMY

Advances in Soviet radio astronomy. G. B. Sholomitskii. Priroda 52 no. 8:58-59 Ag '63.

Expression for the interference modulation factor for elliptical sources. V. I. Ariskin. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:637-640 '63.

Investigation of the space frequency spectrum of high-resolution radio interferometers allowing for the two-dimensionality of the directional diagram [with summary in English]. A. Balklav. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3:437-448 '63.

[illegible] Bear observer [illegible]

[illegible] Bear observer [illegible]

Preliminary results of radioemission from the disk [illegible] P. Lebedev, S. M. Lin, F. S. Stepanov, Izv. vys. [illegible]

Preliminary results of radioemission intensity from the [illegible] Cassiopeia-A, Cygnus-A, and [illegible] by the diameter [illegible] V. P. Lastochkin, [illegible] 6 no. 3 [illegible]

[illegible] Bear observer [illegible]

[illegible] by [illegible] [with summary in English] A. T. Filippov, [illegible]

RADIO CUBES

[illegible] Radio no. 6 16 Ag [illegible]

RADIO DETECTORS

[illegible] Tr. GPI [illegible]

RADIO DIRECTION FINDERS

[illegible] Radio no. 11-15 Ag [illegible]

Radio direction finder. Radiotrainer. V. D. Irvin, G. Dralov [illegible] no. 23 no. 5 15-16 [illegible]

RADIO FILTERS

Design of superhigh frequency band-pass filters. O. I. Matveyeva, A. I. Fel'dshtein, L. R. Iakich. Radiotekhnika 18 no. 6 15-25 Je '63.

Electronic filter with a parallel electron tube. IA. I. Tsitlenok. Izv. vys. ucheb. zav., radiotekh. 6 no. 3: 322-329 My-Je '63.

[illegible] of a system of parallel operating [illegible] Trud. GPI 16 no. 2 82-[illegible]

[illegible] of the [illegible] slight level [illegible] V. V. Gorokhovskii. Trudy GPI [illegible] no. 2 13-16 [illegible]

[illegible] with a detector system with a de[illegible] filter. V. D. Karuntsev. Trudy GPI [illegible] no. 2 74-75 [illegible]

[illegible] filters and mutual correlation de[illegible]. Trudy GPI 16 no. 2 74-74 [illegible]

RADIO IN NAVIGATION

[illegible] ultrashort wave radio station of the [illegible] "Kurgan." Morflot 23 no. 5: 20 My '63.

RADIO IN SURVEYING see subdivision under Polar regions

RADIO JOURNALISM

B. Golovin, T. and Z. Lysov. ["Latest news" over the radio] "Poslednie izvestiia" po radio. Moskva, Gos. komitet Soveta ministrov SSSR po radioveshchaniiu i televideniiu, 1963. 70 p.

RADIO LINES

Optimization of cascaded Tshchyshev transformers. G. P. Veselkov. Izv. vys. ucheb. zav., radiotekh. 6 no. 3 316-319 My-Je '63.

RADIO MEASUREMENTS

Multichannel measurements of a fluctuation voltage. N. F. Volferrer and others. Radiotekhnika 18 no. 6 58-61 Je '63.

RADIO OPERATORS

[illegible] Radio no. 8 24 Ag '63.

From the first trial of force to the leadership of Europe. V. Kuz'min. Radio no. 8 14-15 Ag '63.

Perspective development of SSB. T. Tomson. Radio no. 8 19-23 Ag '63.

Short radio waves. Radio no. 8 17 Ag '63.

Troubled hearts. A. Ilinitskii. Radio no. 8 12-13 Ag '63.

Ultrashort radio waves. Radio no. 8 18 Ag '63.

RADIO STATIONS see subdivision under Moldavia

RADIO WAVES

Propagation of radio waves along the nonuniform surface of the earth. Part 1: Plane earth. A. N. Plemiannikov. Izv. vys. ucheb. zav., radiotekh. 6 no. 3: 230-238 My-Je '63.

Properties of an artificial electron cloud created in a medium with variable density. N. P. Martin. Radiotekh. i elektron. 8 no. 9:1587-1593 S '63.

RADIOACTIVE FALLOUT

Petrov, R. V., and others. [Protection from radioactive fallout] Zashchita ot radioaktivnykh osadkov. Pod red. A. I. Burnazziana. Moskva, Medgiz, 1963. 187 p.

RADIOACTIVE PROSPECTING

Quantitative interpretation of gamma-gamma logging data. V. P. Efremov. Trudy SNIIGGIMS no. 27 122-126 '62.

RADIOACTIVE SUBSTANCES

Chemical elements and life. A. A. Dropkov. Priroda 52 no. 8 45-52 Ag '63.

RADIOACTIVE TRACERS

Apparatus for measuring the exchange current and true rate of the anodic process on amalgam electrodes with the aid of radioisotopic tracers [with summary in English]. V. V. Losev, M. A. Dembrovskii, A. I. Molodov. Zhur. fiz. khim. 37 no. 8:1901-1907 Ag '63.

Studying the parameters of the motion of particles in a pseudofluidized bed by the radioisotope method [with summary in English]. N. B. Kondukov and others. Inzh.-fiz. zhur. 6 no. 7:13-18 Jl '63.

Using radioactive isotopes in determining the quality of the spraying of farm crops with pesticides. S. V. Andreev, B. K. Martens, V. A. Molchanova. Vest. sel'khoz. nauki 8 no. 4 135-138 Ap '63.

RADIOACTIVITY—INDUSTRIAL APPLICATIONS

Using radioactive radiation to determine the moisture of materials during the automation of technological processes in the construction industry. V. V. Sudakov. Sbor. trud. LIIZHT no. 192 77-89 '62.

RADIOACTIVITY—MEASUREMENT

Automatic device for measuring the radioactivity of a mine. M. P. Sokolov. Prib. i tekh. eksp. 8 no. 3:66-71 My-Je '63.

RADIOBIOLOGICAL RESEARCH see subdivision under Tashkent

RADIOCHEMISTRY

Chemical action of ionizing radiations on inorganic crystals. V. V. Boldyrev, L. I. Bystrykh. Usp. khim. 32 no. 8:948-966 Ag '63.

RADIOGRAPHY

Obtaining silver from waste fixing solutions and solutions left after primary washing of negatives. A. A. Kutova. Vest. rent. i rad. 38 no. 2:58-59 Mr-Ap '63.

RADIOGRAPHY—TERMINOLOGY

Contemporary problems in roentgenological terminology. S. A. Sviridov. Vest. rent. i rad. 38 no. 2:47-49 Mr-Ap '63.

Results of the discussion on roentgenological terminology. Vest. rent. i rad. 38 no. 2:49-54 Mr-Ap '63.

RADIOISOTOPES

Contemporary state of radioisotope diagnosis of eye tumors. S. M. Dobrova, I. P. Berezhnov. Med. rad. 7 no. 11 77-81 N '62.

"Distribution, biological effect and migration of radioactive isotopes." Reviewed by L. A. Pertsov. Med. rad. 7 no. 11 86-88 N '62.

RADIOISOTOPES—INDUSTRIAL APPLICATIONS

Pliskin, IU. S., and A. N. Valov. [Methods and equipment for measuring low radioactivity in metal and slag specimens] Metody i apparatura dlia izmereniia malykh radioaktivnostei prob metalla i shlaka. Moskva, Metallurgizdat, 1963. 132 p.

Unseen hand. V. Bobrov. Sov. shakht. 12 no. 6:20 Je '63.

RADIOISOTOPES—SPECTRA

Studying the gamma spectra of certain radioisotopes with the aid of a luminescent spectrometer. E. I. Firsov. Uch. zap. Ped. inst. Gertsa. 197:160-175 '58.

RADIOLARIA, FOSSIL see subdivision under Kuban; West Siberian Plain

RADIOLOGISTS

Work of the traveling teams of roentgenologists from the Central Institute for the Improvement of Physicians' Qualifications. B. M. Aliev, P. V. Vlasov. Vest. rent. i rad. 38 no. 2:66-67 Mr-Ap '63.

RADIOLOGY, MEDICAL

The 60th birthday of Professor I. M. IAkhnich. Vest. rent. i rad. 38 no. 2 69-70 Mr-Ap '63.

RADIOMETRY

Device for loading the ionization chamber of the DK-O 2 type dosimeter. IA. I. Mizrakhi. Voen.-med. zhur. no. 8:86 '62.

Examination of the thyroid gland by the scanning technique [with summary in English]. V. K. Modestov, V. R. Khachko, A. Kh. Mirkhodzhaev. Med. rad. 7 no. 11 17-22 N '62.

Investigating by methods of radiometry and infrared spectroscopy the mechanism of the interaction of the ANP cation collector with apatite and calcite. S. F. Kuz'kin, V. I. Solnyshkin, Chzhen Iu-lun [Cheng Yu-lung]. Izv. vys. ucheb. zav.; tsvet. met. 6 no. 3: 35-39 '63.

Pliskin, IU. S., and A. N. Valov. [Methods and equipment for measuring low radioactivity in metal and slag specimens] Metody i apparatura dlia izmereniia malykh radioaktivnostei prob metalla i shlaka. Moskva, Metallurgizdat, 1963. 132 p.

Radiometric investigation of the tuyere zone in blast furnaces. V. P. Pevtsov, IU. M. Potebnia, A. A. Gusel'nikov. Stal' 23 no. 7:590-600 Jl '63.

Semiconductor CdS crystal dosimeters. B. N. Ivanov, V. V. Vladimirov, IU. B. Mandel'shtern, [illegible] no. 4:52-67 '61.

Technical methods of radiometry in radiodiagnostics. S. F. Fil'kind. Nov. med. tekh. no. 1 48-51 '61.

RADIOSCOPIC DIAGNOSIS see Diagnosis, Radioscopic

RADIOTHERAPY

Centering and selecting the irradiation fields in the therapy of bladder tumors using a large focal skin distance [with summary in English]. V. V. [illegible] I. B. Tsybul'skii, IU. Ish. Sarkisyan. Med. rad. [illegible] 32-35 N '62.

Changes in the crystalline lens during radiotherapy of hemangiomata of the face [with summary in English]. I. S. Tutskel'. Ukh., gorl. i nos. bol. no. 1 [illegible]

Changes in the peripheral blood during radiotherapy [with summary in English]. F. V. Kurdiukova and Z. I. Matetskaia. Med. rad. 7 no. 11 10-15 N '62.

Device for determining the length of the vaginal part of the cervix uteri. V. A. Shumenko. Med. rad. no. 11 74-75 N '62.

Preventive use of galascorbin in radiotherapy. V. I. Dudarenko. Vrach. delo no. 8, 120-130 Ag '63.

RADIOTHERAPY—COMPLICATIONS AND SEQUELAE

Radiation injury of cervical bones and the brain following irradiation of the [illegible] parotid glands. T. D. Mirimova, I. S. Andreeva [illegible] rad. 7 no. 11 56-59 N '62.

RADISHCHEV, ALEKSANDR NIKOLAEVICH, 1749-1802

First German translation of A. N. Radishchev's "[illegible] from Petersburg to Moscow." Ch. Gruenhut, [illegible] schneider, G. Zeigengeist. Vop. lit. no. 7:201-206 Jl '63.

RADISHES

Comparative embryological study of diploid and tetraploid forms of the radish. IA. I. Tarasovich. Vestsi AN BSSR, Ser. biial. nav. no. 1:42-46 '63.

RADIUS—DISLOCATION

Subluxation of the head of the radius in small children. S. E. Molodetskaia. Zdravookhranenie 6 no. 1 [illegible] Ja-F '63.

RADNOT, MAGDA

Magda Radnot, a tireless researcher. Maria Zsigmond [illegible] Zhen. mira no. 4:20-21 '63.

RADON—THERAPEUTIC USE

Second All-Russian Conference on Problems of the Therapeutic Use of Radon Waters. IU. K. Vandenko. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2 [illegible] Mr-Ap '63.

RAFTS—HANDLING

Floating rafts without accident. V. Kuz'minu, [illegible] chenko. Rech. transp. 22 no. 6:17-19 Je '63.

RAGAUSKAS, IONAS

Ionas Ragauskas speaks. A. Rogov. Nauka i tekh. 4 no. 7:60-71 Jl '63.

RAILROAD BRIDGES

Assembling prefabricated reinforced concrete arches [illegible] stiffening beam. A. P. Kurilov. Transp. stroi. [illegible] no. 7 11-14 Jl '63.

Use reinforced concrete superstructure foundations [illegible] bridges. K. K. IAkobson, P. P. Pulkin. Put' i put. khoz. 7 no. 8 11 '63.

RAILROAD ENGINEERING

Application of geophysical methods for studying the condition of the roadbed. M. V. Boldyrev. Trudy NIIZHT no. 31:245-253 '62.

Electric prospecting in railroad engineering. M. V. Boldyrev. Put' i put. khoz. 7 no. 8, 15-16 '63.

Gorinov, A. V., ed. [Design and planning of railroads] Proektirovanie zheleznykh dorog. [By] A. V. Gorinov i dr. Moskva, Transzheldorizdat, 1963. 308 p.

Improving the training of railroad engineers. Zhel. dor. transp. 45 no. 8:78 Ag '63.

Investigating the technical and economic efficiency of the main processes in railroad construction. B. K. Subbotin. Trudy NIIZHT no. 31:254-271 '62.

Studies of the thixotropy of clayey soils. G. N. Zhitkin. Sbor. trud. LIIZHT no. 196:21-34 '62.

Using aerial surveying data for determining the volume of earth work and the costs of operation. M. A. Barsanov. Trudy TSNIIS no. 49:103-223 '63.

RAILROAD RESEARCH

Scientific workers in the institutions of higher education struggle for technological progress I I Ivanov, S A Solomonov Zhel dor transp 45 no 8,31-35 Ag '63

RAILROADS

(see also subdivision under Great Britain; Japan; Poland)

Decisions of the Plenum of the Central Committee of the CPSU are being carried out. Avtom., telem. i sviaz' 7 no. 8:1-2 Ag '63.

From the editor's mail Zhel. dor. transp. 45 no. 7 64 Jl '63.

From the editor's mail. Zhel dor. transp. 45 no. 8: 62 Ag '63

New developments in foreign technology. Zhel. dor., transp. 45 no. 7 91 Jl '63.

Railroad transportation in the first half of 1963, technical and economic review. Zhel dor. transp 45 no 9 61-64 S '63

The steel roads of our country; the All-Union Railroad Employees' Day. B Beshchev. Agitator no. 12 21-23 Je '63.

RAILROADS—ACCOUNTING

Improving the accounting for the utilization of a fleet of locomotives. V.IA. Ivshin, I. F. Fedotov Zhel. dor. transp. 45 no. 7:51-52 Jl '63.

RAILROADS—AUTOMATIC TRAIN CONTROL

An automat dispatches trains. R. Efimov. Zvezda no. 6 143-144 Je '62.

Automatic train traffic control system with the use of radio channels. A. M. Bryleev, I. E. Dmitrienko, D. K. Pugin. Zhel. dor. transp. 45 no. 7:37-40 Jl '63.

RAILROADS—BIBLIOGRAPHY see Bibliography—Railroads

RAILROADS—BRAKES

Improving the parameters of electric air brakes N A Alekgov, V. F. IAsentsev Zhel. dor transp 45 no 9 54-55 S '63

Kazarinov, V. M. [Automatic brakes] Avtotormoza. Izd. 2. Moskva, Transzheldorizdat, 1963. 238 p.

Reply to the inquiries of our readers. V. V. Privalov, A. I. Kondrat'ev, G. N. Khatkevich. Elek. i tepl. tiaga 7 no. 6 37 Je '63.

Sugak, P. A. [The KE$_g$ system brakes for express passenger trains] Tormoz sistemy KE$_g$ dlia skorostnykh passazhirskikh poezdov. Moskva, Transzheldorizdat, 1963. 23 p.

Testing and checking of electropneumatic brakes. A. F. Novikov. Elek. i tepl. tiaga 7 no. 6:41-43 Je '63.

RAILROADS—CARS

Improving the organization of the technical inspection of cars. V. I. Gridiushko. Zhel. dor. transp. 45 no 8 41-43 Ag '63.

Nikol'skii, E. N. [Railroad-car-type shells with openings; theoretical bases for stress investigations] Obolochki s vyrezami tipa vagonnykh kuzovov, teoreticheskie osnovy issledovaniia napriazhenii. Moskva, Mashgiz, 1963. 311 p.

Organization of car inspection on heavy traffic sections. A. A. Pokotilo, V. IA. Kovalenko. Zhel. dor. transp. 45 no. 9:79-80 S '63.

RAILROADS—CARS—DESIGN AND CONSTRUCTION

Design of cars for high-speed traffic. S. V Vershinskii, A A Dolmatov Zhel dor transp. 45 no 9 49-52 S '63

RAILROADS—COMMUNICATION SYSTEMS

Connection of selective networks in the automatic telephone exchanges of district-wide communication systems. Sh. P. Strizhevskii. Avtom., telem. i sviaz' 7 no. 7:32-34 Jl '63.

Device for dividing a standard frequency. N. F. Sementuta. Avtom., telem. i sviaz' 7 no. 8:44-45 Ag '63.

Dispatcher communication with ticket offices. A. A. Panchenko. Avtom., telem. i sviaz' 7 no. 8:40 Ag '63.

Increase in the effectiveness of operational communication systems in sectional stations P G. Kolotii Trudy TSNII MPS no 258.232-247 '63

Interference preventing capacitive filters on electric locomotives. IU. I. Krylov. Avtom., telem. i sviaz' 7 no. 8:41-43 Ag '63.

Methods for matching load resistances in the operating band of the ZhR-3 transmitter-receiver. A. A. Tantsiura. Avtom., telem. i sviaz' 7 no. 7:8-14 Jl '63.

RAILROADS—CONSTRUCTION WORKERS—DISEASES AND HYGIENE

Participation of subprofessional medical personnel in the prevention of industrial traumatism in railroad construction workers. S. N. Storozhenko. Med. sestra 22 no. 6:33-34 Je '63

RAILROADS—COST OF CONSTRUCTION

Selection of an efficient multistage procedure in increasing the engineering equipment of roads. V. A. Shevandin. Transp. stroi. 13 no. 7:47-49 Jl '63

Ways for reducing the costs of electrification. V. P. Shurygin. Zhel dor. transp. 45 no 7 30-33 Jl '63.

RAILROADS—COST OF OPERATION

Potentials for a further reduction of operation costs for passenger transportation A. P. Agramov Zhel. dor. transp 45 no. 8.21-25 Ag '63.

RAILROADS—CROSSINGS

Remarks on a circuit for connecting new barriers. P. P. Bolshakov. Avtom., telem. i sviaz' 7 no. 8:44-45 Ag '63.

RAILROADS—DESIGN AND CONSTRUCTION

Calculating the depth for cutting soft ground in hollows and on the level. N. A Peretiukhin, G. G. Saatchian. Transp stroi. 13 no. 6, 19-51 Je '63.

Effect of characteristics of locomotives and railroad cars on norms for designing the profile of railroads I. I. Kantor Transp stroi. 13 no 7 52-56 Jl '63

RAILROADS—EARTHWORK

Changes in the strength of clayey soils in structures subject to dynamic influences A. I. Lagolskii. Sbor. trud. LIIZHT no. 196:76-84 '62.

Terracing the banks of the roadbeds of railroads V I Gritsyk, IA P Ishchenko Transp. stroi 13 no 7 4-5 Jl '63

RAILROADS—ELECTRIC EQUIPMENT

Device for dividing a standard frequency. N. F. Sementuta. Avtom., telem. i sviaz' 7 no. 8:44-45 Ag '63.

How to manufacture a glass dial plate. F. P. Zaviialov. Avtom., telem. i sviaz' 7 no. 8:35 Ag '63.

An improved universal equipment bay. G. IA. Dukmas, I. A. Smirnov. Avtom., telem. i sviaz' 7 no. 8:31-33 Ag '63.

New regulations for receiving and placing in operation new equipment of automatic block systems, electric interlocking, and centralized traffic control systems. I. I. Kurtsev, E. IU. Gamburg. Avtom., telem. i sviaz' 7 no 8:16-17 Ag '63.

Portable device for checking the operation of automatic cab signaling equipment. G. E. Khmelev, V. M. Korotkikh. Elek. i tepl. tiaga 7 no. 6 17 Je '63.

These regulations should be reviewed. I. D. Antoniuk. Avtom., telem. i sviaz' 7 no. 7:19-21 Jl '63.

We are utilizing depleted electrolyte in V. D. cells. I. M. Glazov, M. V. IAremenko. Avtom., telem. i sviaz' 7 no. 8:36 Ag '63.

RAILROADS—ELECTRIFICATION

In the Collegium of the Ministry of Railroad Transportation' Putting the electrified railroad lines into operation should be done in good time. Zhel. dor. transp. 45 no. 7:65-66 Jl '63.

Information and responses "Concerning important yet unsolved problems in railroad electrification." Zhel. dor. transp. 45 no. 9 95-96 S '63.

Ways for reducing the costs of electrification. V. P. Shurygin. Zhel. dor. transp. 45 no. 7:30-33 Jl '63.

We will put into practice the resolutions of the June Plenum of the Central Committee of the CPSU. Elek. i tepl. tiaga no. 7:1-2 Jl '63.

RAILROADS—ELECTRONIC EQUIPMENT

Automatic train traffic control system with the use of radio channels. A. M. Bryleev, I. E. Dmitrienko, D. K. Pugin. Zhel. dor. transp. 45 no. 7:37-40 Jl '63.

Calculation of the reliability of radio electronic apparatus and its components. I. P. Paderno. Avtom., telem. i sviaz' 7 no. 8:8-12 Ag '63.

Overhauling of thermal contactors. V. I. Kurgapkin. Avtom., telem. i sviaz' 7 no. 8:34 Ag '63.

Testing of selenium rectifier columns of DIa cells. V. A. Brunshtein, E. P. Netyks. Avtom., telem. i sviaz' 7 no. 8:30-31 Ag '63.

Use of electronic digital computers for the distribution of car flows by destination. M. M. Shmukler, G. N. Kovshov. Zhel. dor. transp. 45 no. 7:79-80 Jl '63.

Use of electronic digital computers for the plotting of train sheets. B. Del Rio, A. A. Letichevskii. Zhel. dor. transp. 45 no. 7:46-49 Jl '63.

RAILROADS—EMPLOYEES

(see also subdivision under Namangan; Siberia, Western)

Cherednichenko, E. T. ed. [Competition for communist labor in railroad transportation] Sorevnovanie za kommunisticheskii trud na zheleznodorozhnom transporte Moskva, Transzheldorizdat, 1963. 168 p.

Creative work of efficiency experts. V. P. Shevchenko, A. M. Sadovnichenko. Avtom., telem. i sviaz' 7 no. 8: 25-26 Ag '63.

A dynamic efficiency expert. N. I. Levenets. Elek. i tepl. tiaga 7 no. 6:9 Je '63.

Expand the competition for communist labor. Elek. i tepl. tiaga no. 8.1-3 Ag '63

Heroic routine activities of railroaders L. F. Zhukov. Put' i put. khoz 7 no. 8:41-42 '63

In the sector of an electrician and efficiency promoter. M. I. Kilin. Avtom., telem. i sviaz' 7 no. 8:18-20 Ag '63.

New statute for the chief engineer of a railroad line. Zhel dor. transp. 45 no 8:96 Ag '63.

A well organized collective. A. G. Perel'shtein. Avtom., telem. i sviaz' 7 no. 7 22-25 Jl '63.

RAILROADS—EMPLOYEES—EDUCATION AND TRAINING

First results N. N. Polozov. Vech. sred. shkola 6 no. 3 33-35 My-Je '63.

Our methods for training specialists for the new types of traction. V. T. Parkhotko, V. M. Khotynenko. Elek. i tepl tiaga no. 7:11 Jl '63.

Reach every man! E. Cherednichenko. Sov. profsoiuzy 19 no. 14:3-5 Jl '63.

RAILROADS—EQUIPMENT AND SUPPLIES

Electric transportation of containers with freight documents. S. P. Ryzhenko, N. I. Zubarovskii. Avtom., telem. i sviaz' 7 no. 8:27-29 Ag '63.

Guiskii, P. A., and others. [Organization of a field laboratory for measuring and control instruments] Opyt organizatsii dorozhnoi kontrol'no-izmeritel'noi laboratorii. Moskva, Transzheldorizdat, 1962. 167 p.

Lengthen the interval between shop repairs of snow removal machinery. K. A. Andreev. Zhel dor. transp. 45 no. 8 91 Ag '63.

Progress in the introduction of new equipment in locomotive operation and maintenance. Zhel. dor transp. 45 no. 7 66 Jl '63.

Railroad equipment at the Exhibition of Achievements of the National Economy F L Miller. Zhel dor transp 45 no. 9 87-88 S '63

RAILROADS—FARES

Uniform international passenger fares. Zhel. dor. transp. 45 no. 7 90-91 Jl '63.

RAILROADS—FINANCE

Determining the economic efficiency of capital investments in railroad transportation. N. N. Barkov, L. N. Ivanov. Zhel. dor. transp. 45 no. 8 55-59 Ag '63.

Increase of the efficiency of capital investments is a matter of exceptional importance. F G Sokolov. Zhel. dor. transp 45 no 9 56-60 S '63.

RAILROADS—FREIGHT

(see also subdivision under Czechoslovakia)

Important tasks in the improvement of freight and commercial operations. A. V. Basov. Zhel. dor. transp. 45 no. 8:15-20 Ag '63.

Improving the organization of freight operations in the station. S. K. Burdonov. Zhel. dor. transp. 45 no. 8:76 Ag '63.

Russia (1923- U.S.S.R.) Upravlenie kontseinernykh perevozok i transportno-ekspeditsionnykh operatsii. [Supplement to the list of stations handling of receiving and delivery of containers as of July 15th, 1955] Prilozhenie k perechniu stantsii, proizvodiashchikh operatsii po priemu i vydache kontseinerov po sostoianiiu na 15 iiulia 1955 g [Moskva] Transzheldorizdat, 1955 6 p.

Selecting the most advantageous train weight for lines converted to diesel traction. L. P Ushakevich. Trudy BIIZHT no. 9:29-44 '61.

RAILROADS—FREIGHT CARS

Car specialization should serve its purpose. S. L. Al'terman, I. G. Kazovskii. Zhel. dor. transp. 46 no. 7 53-56 Jl '63.

New system of numbering freight cars. A. K. Ashikhmin Zhel dor. transp 45 no. 9:65-66 S '63.

Results of overall tests of great-capacity gondolas. M. F. Verigo, L. O. Gracheva, P S. Anisimov. Zhel. dor. transp. 45 no. 7.34-37 Jl '63.

RAILROADS—FREIGHT CARS—MAINTENANCE AND REPAIR

Simplified and high-quality preparation of cars for loading. V. I. Kuznetsov. Zhel. dor. transp. 45 no. 7: 71-73 Jl '63.

RAILROADS—GRADES

Designing vertical curves for the longitudinal profile of railroads. P. V Sobolev. Transp. stroi. 13 no. 6:52-53 Je '63.

RAILROADS—HUMP YARDS

Algorithm formulation for the control of work processes in hump yards. N. D Ilovaiskii. Trudy TSNII MPS no. 258-130-174 '63.

Automation of the work in classification yards. K. A. Vasil'ev. Zhel. dor. transp. 45 no. 8.79-80 Ag '63.

Discussing the new standard norms for the duration of the basic operations in classification yards. V. E. IArmolenko. Trudy BIIZHT no. 9:70-76 '61.

Extend the application of the new type of equipment in hump yards. A. V. Vinnichenko. Trudy BIIZHT no. 9:121-129 '61.

Methodology for selecting the methods of breaking up and making up trains in hump yards. P. B. Mukho. Trudy BIIZHT no. 9:130-157 '61.

RAILROADS—LABOR PRODUCTIVITY

[illegible] title source for [illegible] productivity, Zhel dor transp 45 no 7 3-7 Jl '63

Ways to increase labor productivity in track [illegible] V V Pashin, Zhel dor transp 45 no 7 11-16 Jl '63

[illegible]

RAILROADS—MAINTENANCE AND REPAIR
(See also subdivision under Siberia, Eastern Siberia, Western)

Akhalkin, B Z. [Use of the GET-150 (V) elastomer for the sealing of the tightness and hermetic sealing of joints] Primenenie elastomera marki G.-150 (V) dlia uplotnenii stanovodonitsenitnykh i germetizatsii svarnykh stykov. Moskva, Transzheldorizdat, 1963 19 p. (Peredovoi opyt v tekhnike i tekhnologii, vypusk 6)

[illegible] for the maintenance [illegible] tracks [illegible] M Bortkin, P A Tverdokhlebov, Put' i put khoz 7 no 6 31-34 Je '63

Organization for [illegible] of track [illegible] Put' i put khoz 7 no 6 27-28 Je '63

Organization of the work of track [illegible] P V Pechkurov, I D Pechkurova. Put' i put khoz 7 no 6 31-34 Je '63

Experimental transportation of rails over a section of track overloaded with [illegible] V G Mikeev, A V Riazantsev, B F Monakhov. Trudy VNIIZhT no 31 44-64 '62

Preventive [illegible] of switches, points and crossings of electrified [illegible] A S Kozin. Elek i teplovoz khoz no 7 20-21 Jl '63.

Measures to shorten [illegible] N S Vasiliev. Put' i put khoz 7 no 6 54-55 Je '63

RAILROADS—MAKING UP TRAINS

Organization of local operations in the accelerated movement of "built-up" trains. E I Tishkin. Zhel dor transp 45 no 9 46-48 S '63

RAILROADS—MANAGEMENT
(See also subdivision under Caucasus, Northern; Siberia, Western)

Combined use of electric and diesel locomotives. P A Poltavchenko. Trudy BIIZhT no 9:57-69 '61.

Differentiated norms of labor expenditure for the current maintenance of switches. I A Kotiukov. Trudy NIIZhT no 31 32-43 '62.

Don't hesitate to close small-traffic stations. M A Mikhailishina. Zhel dor transp 45 no 8 81 Ag '63

Economic effect of the standardization of train weight norms in connection with the introduction of the new types of traction. Z. I. Potapenko. Trudy BIIZhT no 9:105-120 '61.

Efficiency of special destination trains for the transportation of petroleum bitumen. N.S.TSurkov, G IA. Khalmov. Zhel.dor.transp. 45 no 7:49-50 Jl '63

Experimental calculations of an operational plan in the work of the Information and Accounting Center of the Tyumen railroad sector. G M Kutyev, I M Martynov. Trudy TSNII MPS no 258 72-93 '63

Higher standards for the economic work. F. P. Muliukin. Zhel.dor transp. 45 no 8.8-14 Ag '63

Important potential for an efficient utilization of locomotives. I P. Isaev. Zhel.dor.transp. 45 no. 8: 36-40 Ag '63.

Important tasks in the improvement of freight and commercial operations. A. V. Basov. Zhel.dor.transp. 43 no. 8 15-20 Ag '63.

Investigating the problem of the lengthening of station tracks on railroad lines converted to diesel traction. F. P. IUshkevich. Trudy BIIZhT no. 9:45-56 '61

Methodology for selecting the methods of breaking up and making up trains in hump yards. P B Mukho Trudy BIIZhT no. 9:130-157 '61.

More rights for railroad divisions. V.A.Shubin, V.M. Konovalov, P.E. Prachko. Zhel.dor transp. 45 no. 7: 60-64 Jl '63

New developments in the organization of the operation of locomotives, from the practices of the Northern Railroad. I.M.Masliuk. Zhel.dor.transp. 45 no.8: 60-65 Ag '63.

Organization of car inspection on heavy traffic sections. A A Pokotilo, V IA Kovalenko. Zhel dor. transp. 45 no 9 79-80 S '63

Organization of local car flows under the new conditions. N. P. Solov'eva. Zhel.dor.transp. 45 no. 7: 85-86 Jl '63.

Organization of local operations in the accelerated movement of "built-up" trains. E I. Tishkin. Zhel. dor. transp. 45 no 9.46-48 S '63.

Organization of local work on lengthened haul distances. V.V. Povorozhenko. Zhel.dor.transp. 45 no. 7:56-60 Jl '63.

Rapid method for train processing. A. A. Blaginin. Zhel. dor. transp. 45 no. 8:76-77 Ag '63.

Scientific and technical conference on the organization of local operations. Zhel dor transp. 45 no. 8:80 Ag '63

Some questions of generalization of the theory and practice in the regulation of car flows. V A Pokrovkin. Zhel dor transp 45 no 9 93-95 S '63

Selecting the most advantageous train weight for lines converted to diesel traction. F. P. IUshkevich. Trudy BIIZhT no. 9 29-44 '61

Some problems in planning operational work in railroad transport using linear programming techniques on a digital computer. G.G. Tregubov. Trudy TSNII MPS no 258 94-129 '63

Speed increase and potentials of train sheets. I V Zubov. Zh l dor transp 45 no 9 12-16 S '63

Studying the efficiency of the construction of a second main track on the end runs of single-track lines. I.G. Tikhomirov, P.A Shul'zhenko. Trudy BIIZhT no. 9:98-104 '61

Use of electronic digital computers for the distribution of car flows by destination. M M. Shmukler, G. N. Kovshov. Zhel.dor transp. 45 no. 7 79-80 Jl '63.

Use of the information theory in the analysis of control processes in operational work on railroads. G M Kutyev. Trudy TSNII MPS no 258 4-36 '63

Utilization of the potentials for the acceleration of car flow movements. S A Subbotin. Zhel dor transp. 45 no. 9 71-75 S '63

RAILROADS—PASSENGER CARS

Shcherbakov, V. P., and A. B. Rabinovich. [Manual for the conductor of passenger cars] Rukovodstvo provodniku passazhirskikh vagonov. Izd. 5., perer i dop Moskva, Transzheldorizdat, 1963 310 p.

RAILROADS—PASSENGER TRAFFIC

Transportation needs of the population must be fully satisfied. Zhel dor. transp. 45 no. 8 3-7 Ag '63.

RAILROADS—PRODUCTION STANDARDS

Kon'kov, P. S., A. IA. Dontsov, and I. F. IUrchenko. [Establishing work norms in railroad transportation] Tekhnicheskoe normirovanie truda na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1963 366 p.

RAILROADS—RAILS

Nonmetallic inclusions in rail steel. L. P. Tarasova and others. Stal' 23 no 8 738-740 Ag '63

Organizing the work of welding 12.5-m. rails in strings. L. A Korobanov, V V Kovalinskii, M. D. Shur. Transp. stroi 13 no. 6 6-8 Je '63

Properties and peculiarities in the production of type R-75 heavy rails. N F Protasov and others. Stal' 23 no. 8 731-733 Ag '63.

Static design of rails for vertical load taking the horizontal forces of friction into account. B. F. Monakhov. Trudy NIIZhT no. 31 233-244 '62.

Treating rail joints with a graphite mixture. I. V. Veliseichik, M. E. Frenkel'. Transp. stroi 13 no 7 6 Jl '63

RAILROADS—RAILS—TESTING

Corrugated rail wear. M. P. Karpova, M. B. Idova. Trudy NIIZhT no. 31 21-31 '62.

Field performance of the R-50 and R-65 rails in heavy traffic sections. N. P. Kondakov. Trudy NIIZhT no. 31 9-20 '62.

Methodology for determining the magnitude of the linear resistance of rails to displacement on the ties during train passage. B F Monakhov. Trudy NIIZhT no. 31: 222-229 '62.

Natural aging of open-hearth rail steel. N. S. Mikhailets, N. G. Nikulin. Stal' 23 no. 7.648-650 Jl '63.

Resistance of bolt joints to the longitudinal rail deformations. M. S Bochenkov. Trudy NIIZhT no. 31.194-204 '62.

RAILROADS—RAILS—WELDING

Further development of rail welding. Zhel dor. transp 45 no 9 64 S '63.

Setting up the technological operations of a rail-welding train. A. IA. Rabinovich. Transp. stroi. 13 no. 6:76-77 Je '63.

Speeding up rail welding. B. A. Konoplev. Put' i put. khoz. 7 no. 8 17-18 '63.

RAILROADS—REPAIR SHOPS

Hoisting cranes for locomotive repair shops. M. L. Briker. Zhel. dor. transp. 45 no. 8:72-75 Ag '63.

Two-way braking of the turntable. V. D Firsov. Elek. i teplovoz. khoz. no. 8:28 Ag '63.

RAILROADS—ROLLING STOCK

Problems of the interaction between rolling stock and tracks. M. F. Verigo. Zhel dor. transp. 45 no. 9:37-41 S '63.

RAILROADS—ROUNDHOUSES

Economic work in the depot. D. T. Paigin, I. I. Triburt. Zhel. dor. transp. 45 no 9:77-79 S '63.

RAILROADS—SAFETY MEASURES

Constantly improve labor protection. [illegible] ing. I. A. Topchiashvili. Elek. i teplovoz. khoz. no. 7 Jl '63.

RAILROADS—SIGNALING
(See also subdivision under Caucasus, Northern)

Operation of pulse-type track circuits on tracks with reinforced concrete ties. A. V. Shilshikov and others. Avtom., telem. i sviaz' 7 no 7 4-7 Jl '63.

Portable device for checking the operation of cab signaling equipment. G. I. Shmelev, V. M. Klikh. Elek. i teplovoz. khoz. no. 6 17 Je '63.

The problem is being debated in a friendly business D. M. Gumburg. Avtom., telem. i sviaz' 7 no. 7 25-26 Jl '63.

Remarks on a circuit for connecting new branches. P. I. Bolshakov. Avtom., telem. i sviaz' 7 no. 8 14-15 Ag '63.

Reply to the inquiries of our readers. V. V. Pavlov, A. I. Kandaurov, G. N. Klimko. Elek. i teplovoz. khoz. 7 no. 6 37 Je '63.

RAILROADS—SIGNALING—BIBLIOGRAPHY see also BIBLIOGRAPHY—Railroads—Signaling

RAILROADS—SIGNALING—BLOCK SYSTEM

Apparatus for remote control of disconnecting switches of high-voltage automatic block systems. [illegible] Reznikov. Avtom., telem. i sviaz' 7 no. 7 11-16 Jl '63.

RAILROADS—SIGNALING—CENTRALIZED TRAFFIC CONTROL

Centralization of dispatcher operations and the distribution of traffic control points. G. A. Platonov. Zhel dor. transp. 45 no. 8:48-49 Ag '63.

Discussing the use of centralized traffic control on double-track lines. I. G. Tikhomirov, P. IA Ivanov, V. A. Butanov. Trudy BIIZhT no. 9:5-20 '61.

Effectiveness and use of various passing point [illegible] tems on single-track lines. B V Lyubimov. Trudy TSNII MPS no 258 119-141 '63.

RAILROADS—SIGNALING—INTERLOCKING SYSTEMS

Transition from mechanical to electric interlocking systems. V. O. Kozin. Avtom., telem. i sviaz' 7 no. 8 21-24 Ag '63.

Two-wire control network of the switches of electric interlocking systems of small railroad stations. P. V. Zhil'tsov. Avtom., telem. i sviaz' 7 no. 11-4 Jl '63.

RAILROADS—SNOW PROTECTION AND REMOVAL

Protective tree planting is the most efficient means for snow protection of tracks. I. P. Leshchinskii. Zhel. dor. transp. 45 no. 8 50-51 Ag '63.

RAILROADS—STATIONS

Methods for calculating the capacity of station throat necks. G. Potkoff. Zhel dor. transp. 45 no 8.81-91 Ag '63.

New textbook on railroad stations and junctions. Reviewed by I. G. Tikhomirov and others. Zhel. dor. transp. 45 no. 8:03-05 Ag '63.

Precast pile foundations for electrification installations. G. M. Kirzhakov, A. A. Orel. Transp. stroi. 13 no. 9-12 Je '63.

RAILROADS—STATIONS—DESIGN AND CONSTRUCTION

Railroad passenger stations built in various conditions from a limited number of structural elements. I. G. IAvein. Sbor. trud. LIIZhT no. 181:107-129 '62.

RAILROADS—SURVEYING

Airborne methods in the surveying of river bridge crossings. B. K. Malinavskii. Trudy TSNIIS no. 49 147-179 '63.

Development of standards of accuracy in railroad surveying work in our country. V. P. Sorokin. Trudy NIIZhT no. 30.3-15 '62.

Location survey on a stereo model made with the multiplex plotter. V. A. Khrapkov. Trudy TSNIIS no 49 138-146 '63.

Location survey on the stereo model of a broken terrain with the use of differential type instruments. V. K. Tavlinov. Trudy TSNIIS no. 49:70-103 '63.

Sphere of use and future development of land stereophotogrammetric surveying in railroad surveys. V. S. Kirilenko. Trudy NIIZhT no 30 73-81 '62.

Surveying of linear construction objects. S. A. Butler. Trudy TSNIIS no. 49.5-64 '63.

Use of aerial photograph mosaics in location surveying. M. A. Baranov. Trudy TSNIIS no. 49:65-76 '63.

Use of land stereophotogrammetry to determine analytically the volumes in railroad engineering. V. S. Kirilenko. Trudy NIIZhT no. 30:97-98 '62.

Using a stereo model for location surveying on the STD-2 stereometer by means of a stereo plotter. IU. N. Pankrat'ov, V. M. Serdiukov. Trudy TSNIIS no. 49 104-137 '63.

RAILROADS—SURVEYING—BIBLIOGRAPHY see Bibliography—Railroads—Surveying

RAILROADS—SWITCHES

Calculations in the rearrangement of switches. L. A. Fatnitskii. Trudy NIIZHT no. 31,272-278 '62.

Differentiated norms of labor expenditure for the current maintenance of switches. I. A. Kotlukov. Trudy NIIZHT no. 31 32-43 '62.

Improving the condition of switches. V. G. Davydov. Put' i put khoz 7 no 8 31-32 '63

Rearrangement of insulating joints on the dispatching crossing tracks. A. I. Lanetskaia Put' i put khoz 7 no 8 40 '63

RAILROADS—TECHNOLOGICAL INNOVATIONS
(see also subdivision under Siberia, Western)

The aim of all innovations is to improve the production. V. V. Lomin Put' i put khoz 7 no 8 38-40 '63

New developments in foreign technology. Zhel. dor. transp. 45 no. 8,92 Ag '63.

RAILROADS—TICKETS

Use of ticket printing machines in railroad stations. A. E. Kleimenov. Zhel. dor. transp. 45 no. 7 76-79 Jl '63.

RAILROADS—TRACK
(see also subdivision under Germany, West; Siberia, Western)

Al'brekht, V. G., ed. [Planning of the organization of track maintenance and repair work] Proektirovanie organizatsii putevykh rabot. [By] V. G. Al'brekht i dr. Moskva, Transzheldorizdat, 1963 186 p.

Creep forces developing during the passage of six- and eight-axle cars. B. F. Monakhov. Trudy NIIZHT no. 31 173-183 '62.

Effect of rail deflection on the track creep. M. S. Bochenkov. Trudy NIIZHT no. 31 184-193 '62.

Efficient length of the tracks in track skeleton assembly points. V. N. Pozdeev, V. A. Podoplelov. Trudy NIIZHT no. 31:65-85 '62.

First technological specifications for designing and building second tracks in Russia. M. I. Voronin. Transp. stroi 13 no 7 74-75 Jl '63

High-quality track repairing has to be at the base of track maintenance and operation work V. IA. Baidala, K. S. Vodop'ianov. Put' i put. khoz. 7 no. 8 45-46 '63.

Investigating the problem of the lengthening of station tracks on railroad lines converted to diesel traction E. P. Ilishkevich. Trudy BIIZHT no. 9:45-56 '61.

Nature of the release of longitudinal forces in a continuous track in case of its curving in the horizontal plane. A. IA. Kogan. Trudy NIIZHT no. 31,205-221 '62.

Problems of the interaction between rolling stock and tracks. M. F. Verigo. Zhel. dor. transp 45 no. 9:37-41 S '63

Resistance to transverse displacement of ties laid on asbestos ballast. K. I. Shchepotin. Trudy NIIZHT no. 31:140-168 '62.

Strengthening of the tracks is the most important factor in the increase of train speeds. A. N. Naumov. Zhel. dor. transp. 45 no. 9,30-37 S '63.

Transporting 25-m. track skeletons on coupled four-axis flatcars. B. V. Gorditchuk. Transp. stroi. 13 no. 6: 8-9 Je '63.

We are laying a track with long-length rails. V. S. Baskakov. Transp stroi 13 no. 7:41-42 Jl '63.

RAILROADS—TRACKLAYING MACHINERY

Use of tracklaying cranes for current repair work. M. E. Romanko, A. N. Asipovich. Put' i put khoz. 7 no 8 26 '63.

RAILROADS—TRAFFIC

Calculation of an optimum alternative for an operational plan in organizing local car traffic using electronic calculating machines. I. M. Martynov. Trudy TSNII MPS no. 258. 37-71 '63

Coefficient of speed within sections and the specific train stop-overs. P. A. Shul'zhenko. Trudy BIIZHT no. 9:77-87 '61.

Efficient measures for increasing traffic speeds. A. M. Bagirov. Zhel. dor. transp 45 no. 9:75-77 S '63.

Investigating train bunching sheets for single-track lines. A. V. Nevzorov. Trudy BIIZHT no. 9:88-97 '61.

Specialization of parallel runs. B. M. Maksimovich, V. A. Knicher. Zhel. dor. transp. 45 no. 9:20-24 S '63.

Toward high traffic speeds. Zhel. dor. transp. 45 no. 9: 3-5 S '63.

Use of electronic digital computers for the plotting of train sheets. B. Del Rio, A. A. Letichevskii. Zhel. dor. transp. 45 no. 7:45-49 Jl '63.

Ways to increase the run distance of car flows in transit. A. I. Smetanin. Zhel dor. transp. 45 no. 9:25-29 S '63.

RAILROADS—TRAIN SPEED

Basic tasks in increasing traffic speeds. N. V. Kolodiazhnyi. Zhel. dor. transp. 45 no. 9:6-11 S '63.

Efficient measures for increasing traffic speeds. A. M. Bagirov. Zhel. dor. transp. 45 no. 9:75-77 S '63.

Efficient methods for increasing the speed of passenger trains in local communications F. P. Kolinov Zhel dor transp 45 no 9 12-15 S '63

Permissible train speeds in areas of track overhauling. V. G. Al'brekht, A. N. Riazanov, B. F. Monakhov. Trudy NIIZHT no. 31 11-64 '62.

Some problems in the further increase of passenger train speeds A. D. Kuretnikov Zhel. dor transp 45 no 9 16-20 S '63

Speed increase and potentials of train sheets. I. V. Zubov Zhel dor transp. 45 no 9 12-16 S '63

Strengthening of the tracks is the most important factor in the increase of train speeds. A. N. Naumov Zhel dor. transp 45 no 9 30-37 S '63

Toward high traffic speeds Zhel dor. transp 45 no. 9 3-5 S '63

RAILROADS—TRAINS

Fu-st Soviet diesel train "Baltika" P. V. IAkobson, R. P. Titova Zhel dor. transp 45 no 9 85-86 S '63

Use of gas-turbine engines for high-speed passenger trains L. IA. Levental' Zhel. dor transp. 45 no. 9, 67-70 S '63.

RAILROADS—YARDS

Specialization of classification yards in areas of petroleum tank loading. O. A. Oleinik. Zhel. dor. transp. 45 no. 8 51-53 Ag '63.

RAILROADS, INDUSTRIAL

What hampers the work of consolidated transportation units. I. T. Kolkov. Zhel. dor. transp. 45 no. 7:86 Jl '63.

RAILROADS, INDUSTRIAL—CARS

Electric pusher cars in the Dnepropetrovsk Coke and Coal Chemicals Plant. S. IU. Sipovich, IU. I. Lunev. Koks i khim. no. 10:55-57 '62.

RAIN AND RAINFALL

Retention of precipitation by spring wheat plants during vegetation. A. S. Kontoshchikov, K. A. Eremina. Trudy TSIP no. 131:52-52 '63.

RAISINS

Effect of potash fertilizers on the quality of raisins. A. L. Khachatrian, S. M. Khizantsian. Kons i ov. prom. 18 no. 9,22-23 S '63

RAJAGOPALACHARI, CHAKRAVARTI, 1879-

Chakravarti Rajagopalachari. G. Goroshko. Mir. ekon. i mezhdunar. otn. no. 8:140-141 '63.

RAMAN EFFECT

Calculation of intensities and depolarization in the Raman spectrum of paraxylene. B. N. Shegirev. Izv. vys. ucheb. zav.; fiz. no. 4:40-47 '63.

Studying the vibration spectra of certain ferroelectrics by the Raman spectrum method. P. A. Bazhulin, T. P. Miasnikova, A. V. Rakov. Fiz. tver. tela 5 no. 7:1783-1790 Jl '63.

RAMS see subdivision under Kazakhstan

RANGE FINDERS

Elements of the basic theory of geodetic phase range finders. B. A. Lavin. Trudy TSNIIGAIK no. 151:3-34 '63.

Using a DD-3 differential range finder with a vertical rod in laying out theodolite traverses. A. I. Vedernikov. Trudy NIIZHT no 30 20-34 '62.

Vertical rod with a transversal mark for a range finder with wires A. G. Liutts, IA. I. Pazenkov. Trudy NIIZHT no 30 17-21 '62

RANGE FINDERS—TESTING see subdivision under Soviet Central Asia

RAPE (PLANT)
(see also subdivision under Otradnoye region, Leningrad Province)

Effect of the spacing of plants on some physiological characters of spring rape. A. I. Smetannikova. Trudy Bot. inst. Ser. 3 no. 14:198-207 '63.

RARE-EARTH COMPOUNDS

Content-composition ratio of rare earths in minerals [with summary in English] A. P. Khomiakov. Geokhimiia no. 2 115-121 F '63

RARE-EARTH COMPOUNDS—ABSORPTION SPECTRA

Infrared spectra of rare-earth oxyorthosilicates. A. N. Lazarev and others. Izv. AN SSSR. Ser. khim. no. 7: 1220-1226 Jl '63

RARE-EARTH FERRATES

Synthesis of rare-earth ferrites of predetermined composition. IU. D. Tret'iakov. Vest. Mosk. un. Ser. 2: Khim. 18 no. 4:59-60 Jl-Ag '63

RARE-EARTH METALS

Characteristics of the distribution of crustal rare-earth elements [with summary in English]. IU. A. Balashov. Geokhimiia no. 2:99-114 F '63.

Some regularities of the crystallochemistry of intermetallic compounds of rare-earth metals P. I. Kripiakevich and others Kristallografiia 8 no. 1 595-599 Jl-Ag '63

RARE EARTHS
(see also subdivision under Ussuriysk region)

Crystal structure of TR-Si-apatite S. V. Borisov, R. F. Klevtsova Zhur. struk. khim. 4 no. 1 629-631 Jl-Ag '63

Review of B. I. Kogan's book "Economic notes on rare earths." I. N. Plaksin, I. S. Shapiro Gor. zhur. no. 8: 79-80 Ag '63.

RARE EARTHS—ABSORPTION SPECTRA

X-ray absorption L-spectra of lanthanum, praseodymium, neodymium, and samarium in oxides and fluorides. E. E. Vainshtein, I. B. Staryi, M. N. Bril'. Dokl. AN SSSR 151 no. 1 120-121 Jl '63.

RAYON

Vat color printing of fabrics made from acetate fibers F. I. Sadov, K. G. Kalinina, E. P. Nazarova Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2:107-111 '63.

RAZHEVO (TYUMEN' PROVINCE)—AGRICULTURAL WORKERS

The pass was issued by the Moscow City Committee K. Aksanov. Mol. komm. no 9,87-89 S '62

RAZUMOV, VIKTOR IVANOVICH

Following Michurin's path. T. Olelnikova. Vest. sel'-khoz nauki 8 no. 4 146-149 Ap '63

READING

Interesting lesson D Lange Sem'ia i shkola 18 no. 6 20 Je '63

READING (ELEMENTARY)

Planning of reading lessons. A. V. Kosareva Nach. shkola 31 no 7 30-33 Jl '63.

READING (ELEMENTARY)—AUDIO-VISUAL AIDS

Use of pictures in reading lessons. N. M. Pavlenko, N. S. Slutska. Rad. shk. 42 no. 8 106 Ag '63.

REAL EVIDENCE see Evidence, Real

REARRANGEMENTS (CHEMISTRY)

Mechanism of para- and ortho-rearrangements of substituted azoxy compounds. M. M. Shemiakin and others. Izv. AN SSSR. Ser. khim. no. 7:1339-1342 Jl '63.

Thermal or "pseudocatalysed rearrangements of allyl and propargyl esters of phosphorous acid. A. N. Pudovik, I. M. Aladzheva. Dokl. AN SSSR 151 no. 5:1110-1113 Ag '63.

RECEPTORS (NEUROLOGY)

Disorders of tissue metabolism in the receptor field in ascarid intoxication. I. A. Edel'shtein. Vestsi AN BSSR. Ser. biial. nav. no. 1:87-91 '63.

Early changes in the chronaxy of the skin and visual analyzers following a single local roentgen irradiation [with summary in English] A. S. Efimova. Med. rad. 7 no. 11:45-50 N '62.

Mechanism of the genesis of stimulation in solitary mechanoreceptors. O. B. Il'inskii, V. B. Fika. Dokl. AN SSSR 152 no. 1:218-220 S '63.

Some mechanisms of compensatory and substitutionary functions of a motor analyzer after the elimination of visual reception. A. S. Batuev. Nauch. dokl. vys. shkoly; biol. nauki no. 3:93-98 '63.

RECHITSA—WOMEN—SOCIETIES AND CLUBS

She gives her heart to other people. Ed. Karpachou. Rab. i sial. 39 no. 8:8-9 Ag '63.

RECIDIVISTS

Decision No. 8 o
Court of the U.
In recognition
vist." Biul. V

Recognition of
recidivist. V
11-14 Je '63.

RECLAMATION

Kum; Khorezm

RECORDING INS

Device for dete
cutter center
Vest. mashino

RECTUM—DISE

Prevention and
sions of the r
Vrach. delo n

Surgical treatm
G. P. Zaitsev,
37-40 My-Je

RECTUM—EXPL

Device for phot
examinations.
V. I. Maliuk.

RE[illegible]TUM—PRESERVATION

[illegible] in the Soft red [illegible] P[illegible] V[illegible] R Sergeant [illegible]

RE[illegible]TUM—SURGERY

[illegible]

YELLOW PARTS

[illegible]

READ[illegible]LOGER

[illegible] Orenburg region, [illegible] Province)

[illegible]

PE[illegible]KO, ANDREI MIKHAILOVICH, 1900-1963

[illegible] Elektrosvyaz' 29 no. 7 82 [illegible] '63

REDUCING AGENTS

[illegible] from red [illegible] from ore under the simultaneous influence of hydrogen and carbon monoxide [illegible] Kurnakov, S I Zhigu[illegible] Izv vys uchebn zav, Khim i [illegible] 6 no 7 21-26 '63.

REDUCTION, CHEMICAL

Anomalies of oxygen and [illegible] diffusion in rutile V N [illegible] Fiz tver tela 5 no 8 2011-2012 Ag '63

[illegible] the reduction of magnesium [illegible] [illegible] A [illegible] and others.

[illegible] Ab 152 no 3 [illegible] S '63

Reduction of sodium sulfate with gaseous reagents. V V Nikitin, T I Kunin, L [illegible] Izv vys uchebn zav, Khim i khim tekh 6 no 2 263-267 '63

REDUCTION, ELECTROLYTIC

[illegible] the reduction and [illegible] T M Gindin, G P Ilʹin, [illegible] Sb Vses Nauch-issled Inst Sakharn Prom, Sbornik Khim no 7 152 Jl '63

[illegible] the electrochemical cleavage of halogen compounds I G I [illegible] A P Tomilov, M M Gol'din Izv AN SSSR, Otd khim nauk no 7 1552 Jl '63

[illegible] of functional groups on the electrolytic reduction of [illegible] organic compounds on the Pd electrode [illegible] [summary in English] I I Rukhadze, A.V.Shashkina, Zhur fiz khim [illegible] no 8 1726-1742 Ag '63

Electrochemical reduction of unsaturated compounds on the platinized platinum cathode. Part 2. Electrolytic reduction of allyl alcohol [with summary in English]. M E Vendenskiĭ, I P Stolica, Zhur fiz khim 37 no 7 1533-1537 Ag '63

Polarographic electrolytic reduction of organic compounds at the Pd electrode [with summary in English] A.V. Tkachenko, I I Rukhadze Zhur fiz khim 37 no. 8 1718-1725 Ag '63

Reduction of anions on the dropping mercury cathode in the presence of small amounts of lanthanum ions [with summary in English] Lau Sou-zhun [Li Shou-jung], S.I Zhdanov, Zhur fiz khim 37 no 8 1750-1756 Ag '63

Reduction of the MoO_4^{2-} on a mercury-dropping electrode B. N. Bobkov, V. V. Nikolaeva-Fedorovich Dokl. AN SSSR 151 no 5 1135-1138 Ag '63

Spectrophotometric study of the reduction of sexivalent tungsten. E. F. Speranskaia. Izv. vys. ucheb. zav., Khim i khim tekh 6 no. 2 195-200 '63.

REED PRODUCTS

Reeds on [illegible] forests. O [illegible]min. Ukraina no 14 6 Jl '63

REFERENCE BOOKS

Reference materials of the Manuscripts Division. G.I. Dobyallo Zap. Otd. rukop. 25:464-466 '62.

REFLEXES

Magnus, Rudolf. [Equilibrium an experimental physiological study of the individual reflexes governing equilibrium, of their correlations, and their disorders Translated from the German] Ustanovka tela, eksperimental'no-fiziologicheskie issledovaniia otdel'nykh opredelialushchikh ustanovku tela refleksov, ikh vzaimnykh vliianii i ikh rasstroistv Pod red E Sh Airapet'iantsa i B. A. Kislitskova Leningrad, Izd-vo Akad. nauk SSSR, 1962 624 p (NIC)

REFORESTATION

(see also subdivision under Archangel Province; Latvia; Voronezh Province)

Mechanizing the care of plantations on cutovers with uncleared stumps G.B Klimov, E.I. Pozhilov. Les. khoz. 16 no. 5 61-63 My '63.

Some results of reforestation work N.R Pisʹmennyi. Les khoz 16 no 2 32-38 F '63

REFORESTATION—EQUIPMENT AND SUPPLIES

Mechanization of reforestation work. V. M Surmach, V V Chernushev Les. khoz. 16 no 2 71-77 F '63.

REFRACTION, DOUBLE

Birefringence in deoxyribonucleoproteid solutions in an electric field E I Golub G V. Dvorkin Dokl. AN SSSR 151 no 1 224-226 Jl '63.

REFRACTOMETRY

Application of the refractometric method of analysis for the study of catalytic reaction equilibrium. V. V. Pattiskey, S. A. Shakhova, L.v. AN SSSR. Ser. khim. no. 8 1365-1367 Ag '63

Refractometric determination of the composition of solutions containing potassium chloride and sodium nitrate [in summary in English] N L IAryn-Agaev, V IA Rubin, T V Tsvetkova Zhur anal khim 18 no 6 701-705 Je '63

REFRACTORIES INDUSTRY

For highly productive labor and well-organized work G T. Bardagov Ogneupory 28 no 8 348-353 '63

For technical progress and a higher labor productivity Ogneupory 28 no 8 337-340 '63

REFRACTORIES INDUSTRY—EQUIPMENT AND SUPPLIES

Inclined stationary screens. D. S. Panasenko Ogneupory 28 no 8 379-380 '63.

Reorganization of a dinas brick manufacturing plant I D Gusev Ogneupory 28 no 7 301-303 '63

REFRACTORIES INDUSTRY—TECHNOLOGICAL INNOVATIONS

Search for and mobilization of industrial potentialities in the patriotic duty of efficiency promoters and inventors Ogneupory 28 no 7 290-291 '63

REFRACTORY CONCRETE

Concrete lining of teapot-type steel pouring ladles F.S. Dvinskikh and others Ogneupory 28 no. 8 361-364 '63

Using heat-resistant concrete in the elements of brick-laying of open-hearth furnaces V. I. Shakhlin and others Ogneupory 28 no 8 364-367 '63.

REFRACTORY MATERIALS

(see also subdivision under Rumania)

Abstract. IA. V Orlovskii. Ogneupory 28 no. 8 383 '63.

Certain principles in the search for new refractories. A S Berezhnoi Ogneupory 28 no. 8 341-347 '63.

From science and technology in foreign countries, abstracts I P Kulakov and others Ogneupory 28 no 7 333-335 '63

Metallurgists' days Ogneupory 28 no. 7 289-290 '63.

Testing carbon blocks in iron tapping troughs in blast furnaces. A. V Pirogov and others. Ogneupory 28 no. 8 368-370 '63.

Use and prospects of introducing refractory concrete and ramming materials in ferrous metallurgy. G.G Feldgandler Ogneupory 28 no. 7 295-300 '63.

REFRACTORY MATERIALS—ANALYSIS

About L I Kariakin's book "Petrography of refractory materials." V. V Lapin. Ogneupory 28 no. 7 335-336 '63

Rapid method of determining the Cr_2O_3 content in chromite ores, chrome-magnesite mixtures and refractories. S. T. Bahuk, E. S Zilberg. Ogneupory 28 no 8 378-379 '63

REFRACTORY MATERIALS—BIBLIOGRAPHY see Bibliography—Refractory materials

REFRACTORY MATERIALS—COMPETITIONS

In the Scientific Technological Society of Nonferrous Metallurgy. Ogneupory 28 no 7 333-334 '63

REFRACTORY MATERIALS—QUALITY CONTROL

At the All-Union Central Council of Trade Unions, and the All-Union Council of Scientific Technological Societies Ogneupory 28 no. 7 332 '63

REFRACTORY MATERIALS—STANDARDS

New state standard "Stoke hole refractories for boilers in the merchant marine." Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:117-119 '62.

REFRACTORY MATERIALS—TESTING

Certain thermomechanical properties of ceramics made of pure oxides E.S Lukin, D. N. Poluboiarinov. Ogneupory 28 no 7 318-323 '63.

Magnesite refractory with a high content of calcium oxide. P. P. Budnikov, E. A. El'-Rafii. Ogneupory 28 no. 8 371-377 '63.

New device and method of tensile testing refractories at high temperatures. E. K. Koler and others. Ogneupory 28 no. 7 312-317 '63.

REFRIGERANTS

Investigating the refrigeration compound [illegible] Freon-113, K. D. Kan and others. Khol. tekh. 5-9 My-Je '63.

REFRIGERATION AND REFRIGERATING MACHINES

Analysis of the failures of small refrigerating [illegible] V. I. Kantorovich Khol. tekh. 40 no. [illegible] '63.

Coordinating contributions on the intensification [illegible] cial machinery. Khol. tekh. 40 no. [illegible]

Experimental determination of the quantity of [illegible] freezing, cut treated agricultural products and natural [illegible] V. Z. Zhidkin, M. Z. Khokhlov [illegible] 26-30 S '63

Head (leaving on a metal sheet. V. A. [illegible] tekh 40 no 1 34-36 My-Je '63.

Investigating the refrigeration compressor [illegible] Freon-113, K. D. Kan and others. Khol. tekh. 5-9 My-Je '63.

Low temperature hermetic compressors. A. I. [illegible] V. B. IAkobson. Khol tekh. 40 no. 1 [illegible]

Low temperature thermochamber for the cold [illegible] of metals. N. I. Il'ina. Khol tekh. 40 [illegible] My-Je '63.

Moscow. Vysshee tekhnicheskoe uchilishche. Investigating the processes and machinery for the [illegible] *Issledovanie protsessov i mashin [illegible]* shennik state] Pod red S. IA. Gerlikh. Mosk. Mashgiz, 1959. 77 p.

Quality of commercial refrigerating [illegible] Andrianchikov, I. G. Kaplan. Khol. tekh. 40 [illegible] 11 My-Je '63.

Readers' conference in Baltimore. Khol. tekh. 40 no 3:59 My-Je '63.

Report on the automation of refrigerating plants. [illegible] tekh. 40 no. 3:60 My-Je '63.

Steam jet refrigeration system in the Medical [illegible] Dairy Plant. K. S. Kokhlenko. Khol. tekh. 40 [illegible] 52-53 My-Je '63.

Use of steam jet systems as booster compressors [illegible] processing plants of meat and dairy industry. [illegible] Danilov Khol. tekh. 40 no. 3:59 My-Je

Use of thermoelectric refrigeration in [illegible] D. M. Ioffe. Khol tekh. 40 no. 3:65-71 My-Je

REFRIGERATION AND REFRIGERATING MACHINES—ABSTRACTS

[Chemical and refrigeration machinery manufacture] *Ref. zhur.: Khim. i khol. mashinostr.* no. 8 [illegible] '63.

REFRIGERATION AND REFRIGERATING MACHINES—MAINTENANCE AND REPAIR

Repair of the heat exchangers of small refrigerating [illegible] machines. I. G. Kaplan, Iu. M. Petrushkin. [illegible] 40 no. 3:51-57 My-Je '63.

REFRIGERATION AND REFRIGERATING MACHINES—RESEARCH

Dehydrofreezing of vegetables and fruits. V. I. [illegible] tin and others. Khol. tekh. 40 no. 3:30 [illegible]

REFRIGERATION AND REFRIGERATING MACHINES—TESTING

Effect of the superheating of the suction vapor [illegible] performance of the propane compressor unit. A. G. [illegible] kov. Khol. tekh. 40 no. 3:13-15 My-Je '63.

REFRIGERATOR SHIPS

Refrigerator-trawler "Tropik" [Tropics]. [illegible] 29 no. 7:1-5 Jl '63.

REFRIGERATORS

Absorption system domestic refrigerator with plate evaporators. N. P. Tretiakov, S. I. Shmerenkov. [illegible] tekh. 40 no. 3:22-25 My-Je '63.

Plate heat exchangers in the domestic "Ukraina-2" refrigerator. G. A. Bolko, V. N. Baranchikh, N. I. [illegible] kevich. Khol. tekh. 40 no. 3:25-27 My-Je '63.

REGENERATION (BIOLOGY)

Phenomena of regeneration and somatic embryogenesis in Actinia equina L. D. G. Poltova. Nauch. dokl. vys. shkoly; biol. nauki no. 3:13-16 '63.

Regeneration of the nonstriated muscle of the stomach in a pigeon. V. M. Gorbunov. Dokl. AN SSSR 152 no. 1 238-240 S '63.

REGICIDES

Veterans of a dream and immortality. Andrei Mel'[illegible] Mol. kommunist no. 9:98-103 S '62.

REHABILITATION OF CRIMINALS

We should reassure these women. A. Safonov. A. [illegible] vetskii. Sots. zakon 40 no 7 41-44 Jl '63

REINDEER—DISEASES AND PESTS see subdivision under Nenets National Area

REINDEER—PARASITES see Parasites—Reindeer

REINFORCED CONCRETE

Investigation of the supporting power of compressed [illegible] able shafts made of ordinary and prestressed concrete and of reinforced concrete. N. F. Makhinovskii [illegible] trud. LIIZHT no. 19(2):147-220 '62.

REINFORCED CONCRETE (Continued)

Monfred, IU. B. [Technology of manufacturing reinforced-concrete elements for apartment houses, the cassette method] Tekhnologiia izgotovleniia zhelezobetonnykh izdelii dlia zhilishchnogo stroitel'stva; kasetnyi sposob. Moskva, Gosstroiizdat, 1963. 189 p.

Study on short reinforced concrete brackets. G. L. Bazhenov, B. A. Kudrin. Trudy GISI no. 30 99-114 '61.

REINFORCED CONCRETE—CORROSION

The plant method of waterproofing blocks for tunnel lining. E. Z. Udovich, S. N. Vlasov. Transp. stroi. 13 no. 6:31-33 Je '63.

REINFORCED CONCRETE—TESTING

Experimental investigations of the effect of short cylindrical reinforced-concrete shells on an evenly distributed load. K. I. Nikolaev. Sbor. trud. LIIZHT no. 192 253-286 '63.

REINFORCED CONCRETE CONSTRUCTION
(see also subdivision under Moscow Province)

Assembling prefabricated reinforced concrete arches with stiffening beam. A. P. Kurilov. Transp. stroi. 13 no. 7 11-14 Jl '63.

Reinforced concrete plungers for hydraulic presses with an up to 1,000-ton capacity. A. E. Lopatto, F. A. Shil'gorin. Vest. mashinostr. 43 no. 8 23-25 Ag '63

REINFORCING IN CONCRETE see Concrete reinforcement

RELATIVITY (PHYSICS)

Kuznetsov, B. G. [Talks on the theory of relativity] Besedy o teorii otnositel'nosti. Izd 2. [Moskva] Izd-vo Akad. nauk SSSR, [1963] 219 p. [Akademiia nauk SSSR. Nauchno-populiarnaia seriia]

Problems in relativistic cosmology. E. M. Lifshits, I. M. Khalatnikov. Usp. fiz. nauk 80 no. 3:391-438 Jl '63.

Readers and scientists speak out. Tekh. mol. 31 no. 9: 16-17 '63

Two-metric formalism in the general theory of relativity and the principles of conservation. IU. G. Shytov. Izv. vys. uchеb. zav.; fiz. no. 4:48-55 '63.

RELICS AND RELIQUARIES

Relics. Nauka i rel. 4 no. 7:82-83 Jl '63

RELIEF MAPS

Methodology of studying ways of surveying relief, representing and interpreting it on maps. A. F. Liutts. Trudy NIIZHT no. 30 85-96 '62

RELIGION

A great scientist's views on the "problem of God". A. Erokhin. Agitator no. 12:43-44 Je '63.

People about religion. P. Lebedev. Mol. komm. no. 8:129 Ag '63.

Religion and church abroad. Nauka i rel. 4 no. 7:50-51 Jl '63.

RELIGION—BIBLIOGRAPHY see Bibliography—Religion

RELIGION AND ASTRONAUTICS

Outer space, God, and man. S. Bobau. Belarus' 20 no. 5:30 My '63.

RELIGION AND SCIENCE

Belov, A., and S. Nikonenko. [Science against superstition] Nauka protiv sueverii. Moskva, Voenizdat, 1963. 123 p. (Nauchno-populiarnaia biblioteka)

REMARQUE, ERICH MARIA, 1898-

Response to an opponent. I. Fradkin. Vop. lit. 7 no. 7 194-195 Jl '63.

REMERINE

Antagonism between the alkaloid remerine and some saponifics. S. F. Fakhrutdinov, I. K. Kamilov. Farm. alk. no. 1 14-18 '62

Curariform action of remerine hydroxymethylate. I. K. Kamilov, S. F. Fakhrutdinov. Farm. alk. no. 1 5-13 '62.

Pharmacology of remerine hydroxy-n-propylate. S. F. Fakhrutdinov, I. K. Kamilov. Farm. alk. no. 1 19-23 '62

Pharmacology of remerine hydroxy-n-butylate. S. F. Fakhrutdinov, I. K. Kamilov. Farm. alk. no. 1 24-28 '62.

Pharmacology of the new alkaloids d-isoremerine and fugapavine. S. F. Fakhrutdinov, I. K. Kamilov. Farm. alk. no. 1, 29-35 '62.

REMOTE CONTROL

Automation of a pumping unit. V. P. Oleinik. Transp. i khran. nefti no. 1:17-19 '63.

Automation of a water-pumping station. G. A. Komissarov. Transp. i khran. nefti no. 1:14-17 '63.

Dispatcher control panel at a drying and cleaning tower. S. Prozhkov. Muk.-elev. prom. 29 no. 3, 8-9 Mr '63

PST-63 remote control system. V. IA. Ovlasiuk, N. D. Sukhupredskii, I. I. Trifonov. Trudy TSNII MPS no. 261: 55-78 '63.

Probability of remote control message reception taking into account the possibility of equipment failure and restoration of operation in the control center [with summary in English]. O. I. Bronshtein. Avtom. i telem. 24 no. 9 1267-1271 S '63.

Putting into practice the remote control of power supply systems. V. IA. Ovlasiuk. Elek. i tepl. tiaga no. 8 18-19 Ag '63

Remotely controlled protection of a.c. overhead contact systems. S. S. Rozov. Elek. i tepl. tiaga no. 8 16-17 Ag '63

Remotely controlled turning of the mirror of the optical commutator. A. Vykhodets. Tekh. kino i telev. 8 no. 4 68-69 Ap '63.

Telemechanization of the electric power supply stations. V. IA. Ovlasiuk, N. D. Sukhopredskii. Zhel. dor. transp. 45 no. 7:73-76 Jl '63.

Traction substations without personnel on duty. A. P. Smirnov, IU. N. Vologzhanin. Elek. i tepl. tiaga no. 8: 18-20 Ag '63

Useful improvements in the remote control systems for electric power supply. A. N. Barbinov. Elek. i tepl. tiaga no. 7:14-15 Jl '63.

REMOTE CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur.: Avtom., telem. i vych. tekh. no. 9 S '63.

REMOTE CONTROL—EQUIPMENT AND SUPPLIES

Improving the performance of the MP-2 drive. G. A. Gunchenko. Elek. i tepl. tiaga no. 8 20-21 Ag '63

RENTING OF EQUIPMENT, ETC.

Legal problems of the rental of equipment. G. I. Petrisheeva. Izv. vys. uchеb. zav.; prav. 7 no. 2:40-50 '63.

REPARATION

Reparation for loss caused by the pilfering of socialist property. N. Nizhegorodova. Sov. iust. no. 12:18-19 Je '63.

REPRODUCTION

Autumnal reproduction of geese induced by differentiated light regime. P. A. Vunder. Nauch. dokl. vys. shkoly: biol. nauki no. 3:75-77 '63.

RESEARCH
(see also subdivision under Latvia; Moldavia; Moscow; Sweden)

All-Union public review of the fulfillment of plans in scientific research and introduction of scientific and technical innovations in the national economy. Prom. energ. 18 no. 7 41-42 Jl '63

All-Union public review of the fulfillment of plans in scientific research and use of scientific and technical innovations in the national economy. Elek. sta. 34 no. 6 92-93 Je '63

All-Union public review of the fulfillment of plans in scientific research work and use of scientific and technical innovations in the national economy. IU. L. Ryzhnev. Prom. energ. 18 no. 8:56-57 Ag '63.

Decision of the All-Union Council of Scientific and Technological Societies. Elektrosvias' 17 no. 7:75 Jl '63.

Fuel-energy balance of the U.S.S.R. and related scientific tasks. N. V. Mel'nikov. Vest. AN SSSR 33 no. 9 33 S '63.

Wisdom treasures. S. Chakhotin. Tekh. mol. 31 no. 9: 22 '63.

RESEARCH, INDUSTRIAL see subdivision under Armenia; Kazakhstan; Ukraine, Western; United States

RESEARCH, INDUSTRIAL—LABORATORIES

Laboratory for the study of microclimate in ship spaces. A. E. Pass, V. E. Stetsiuk. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:83-86 '62.

RESERPINE

Effect of reserpine on the capillary blood circulation. L. A. Arshinkova, A. G. Ovsepian. Vrach. delo no. 8: 123-124 Ag '63.

Rehevon treatment of hypertension [with summary in English]. T. IU. Elfimova. Vrach. delo no. 8, 29-33 Ag '63.

Treatment of late toxemias in pregnancy with hexonium combined with reserpine. T. I. Zhupanenko. Ped., akush. i gin. 25 no. 2:44-46 '63.

RESIN ACIDS

Resin acids. I. I. Bardyshau, Kh. A. Cherchas, L. A. Melarson. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 1 56-63 '62.

RESINS, SYNTHETIC

Basic trends in the design and planning of new and reorganization of existing condensation resins shops. IA. I. Stul', Lakokras. mat. i ikh prim. no. 3 62-64 '63

Chemical modification of vulcanizates. Part 2: Reaction of crushed vulcanizates with p-tert-butylphenyl formaldehyde resin [with summary in English]. V. S. Al'tzitser and others. Vysokom. soed. 5 no. 7:1059-1061 Jl '63.

Potentiometric method for determining dicarboxylic acids used for the manufacture of synthetic resins. A. P. Kreshkov, L. N. Bykova, N. T. Smolova. Lakokras. mat. i ikh prim. no. 1 50-51 '63

Preparation and study of products based on the water-soluble condensates of acetone with formaldehyde. N. I. Borodkina, S. S. Frolov, G. N. Mol'kova. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:299-304 '63.

Ukrainskii nauchno-issledovatel'skii institut mekhanicheskoi obrabotki drevesiny. [New developments in the production of materials with a base of wood and synthetic resins] Novoe v proizvodstve materialov na osnove drevesiny i sinteticheskikh smol. Kiev, Gosstroiizdat USSR, 1963. 86 p.

Use of some thermoplastic resins for the preparation of nonwoven fabrics with the adhesion method. B. I. Belov, E. T. Ustinova, S. K. Eremin. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 3 98-102 '63.

RESPIRATION

Action of the alkaloid ervinin on respiration. T. Saidkasymov, M. B. Sultanov. Farm. alk. no. 1 50-59 '62

Characteristics of gas exchange in caterpillars of the Chinese tussah moth during molt. D. V. Petrova. Dokl. AN SSSR 151 no. 3:737-739 Jl '63.

Effect of the alkaloid tazettine and its derivative (methiodide) on the blood circulation. Kh. U. Aliev, I. B. Kamilov. Farm. alk. no. 1 196-201 '62.

Effect of vincamine hydroxypropylate (OPV) on arterial blood pressure and respiration. V. A. Vakhabov, M. B. Sultanov. Farm. alk. no. 1 127-132 '62

Evaluation of X-ray methods of examining external respiration [with summary in English]. M. S. Kamenetskii. Vrach. delo no. 8 73-75 Ag '63.

Mechanism of the action of the alkaloid ervinin on respiration. T. Saidkasymov, M. B. Sultanov. Farm. alk. no. 1 60-69 '62

Respiratory analyzer. E. Sh. Ahapetiants, A. V. Pogrebkova. Zhur. vys. nerv. deiat. 13 no. 2 218-227 Mr-Ap '63

RESPIRATORS

New dust respirator. I. A. Chevaln. Bezop. truda v prom. 7 no. 7:34 Jl '63.

RESPIRATORY ORGANS—DISEASES

Dispensary service for patients with influenza and catarrh of the upper respiratory tracts. E. S. Mikhailova. Sov. zdrav. 22 no. 6:16-17 '63.

Tracheostomy in the prevention and treatment of acute respiratory insufficiency following an operation on the lungs [with summary in English]. D. D. Bershadenko. Sov. med. 27 no. 7:27-31 Jl '63.

Vegetoneurotic (vasomotor) and allergic disorders of various parts of the upper respiratory tract. B. S. Preobrazhenskii. Vest. otorin. no. 1 8-13 '63

RESTAURANTS, LUNCHROOMS, ETC.

Vasil'ev, S. S. [Economics of public food service] Ekonomika obshchestvennogo pitaniia. Moskva, Gos. izd-vo torg. lit-ry, 1963. 430 p.

RESUSCITATION

Case of reanimation of a patient in the traumatological department. B. A. Posevin. Sov. zdrav. Kir. no. 3 60-61 My-Je '63

RETAIL TRADE see subdivision under Kemerovo Province; Uzbekistan

RETAIL TRADE—COSTS see subdivision under Uzbekistan

RETAIL TRADE—FINANCE see subdivision under Uzbekistan

RETAIL TRADE—STATISTICS see subdivision under Ukraine

RETICULOENDOTHELIAL SYSTEM

Some new data on the interrelations between mitochondria and the channels of endoplasmatic reticulum. IA. IU. Komissarchik, V. F. Mashanskii. Dokl. AN SSSR 151 no. 1:198-200 Jl '63.

RETINA—DISEASES

Results of objective perimetry in pathology of the optic nerve and central parts of the retina [with summary in English]. D. I. Mitkokh. Uch. zap. GNII glaz. bol. no. 8: 201-208 '63.

RETROPERITONEAL SPACE—CANCER

Dysembryogenetic retroperitoneal tumors. IU. I. Tishzon-Ryss, K. K. Poroshin-Kleshchuk. Vop. onk. 9 no. 2:69-73 '63.

RETTING

Derbenev, S. I., and K. M. Mironov. [Technology of the industrial biological retting of bast raw materials] Tekhnologiia promyshlennoi biologicheskoi mochki lubianogo syr'ia. Moskva, Gizlegprom, 1963. 190 p.

REVDA (SVERDLOVSK PROVINCE)—LABOR AND LABORING CLASSES—EDUCATION

Maksimov, K. A. [Man must be trusted] V cheloveka nado verit'. Moskva, Gospolitizdat, 1963. 70 p.

REVENUE

[illegible] in the effort to [illegible] Finansy no. 8 [illegible] '63

REVOLUTIONARY POETRY, WHITE RUSSIAN

[illegible] in the Literature Museum of the Belorussian SSR [illegible]

REVOLUTIONISTS

Friend of the fifty. V. Vladimirov. Ogonek 41 no. 29:12-13 Jl '63.

REVOLUTIONISTS, POLISH

Documentary materials on L. Waryński and L. Janowicz, two Polish revolutionists [with summary in English]. V. A. Selezen'. Vest. LGU 18 no. 14:106-107 '63

REVOLUTIONISTS, RUSSIAN—CORRESPONDENCE, REMINISCENCES, ETC.

[illegible] [Fifteen years of globetrotting] Piatnadtsat' let skitaniĭ po sharu. Moskva, Gos. izd-vo geogr. lit-ry, 1963. 147 p. (Puteshestviia, prikliucheniia, fantastika)
(MIC)

REWARDS (PRIZES, ETC.)

[illegible] Inventions and Improvements of the National Economy [illegible] no. 7 233-235 '63

RHENIUM

(see also subdivision under Dzhezkazgan District; Kazakhstan)

Mineralogy of rhenium containing molybdenite. V. T. Pokalo. Min. sb. no. 17:149-151 '63

RHENIUM—ANALYSIS

Rhenium mineral in copper-lead impregnation ores. L. D. Marchukova, E. M. Poplavko. Trudy Inst. met. no. 15:41-42 '63

RHENIUM COMPOUNDS

Investigation of separation of rhenium from molybdenum on the KU-2 cation exchanger. Report No. 4: Separation of the ions from hydrochloric acid medium of certain complex-forming salts. M. V. Borhunian, D. S. Gaibakian [illegible] Arm. SSR Khim. nauki 16 no. 4:335-341 '63

Synthesis and certain properties of pyridinium pyridinepentahalorhenates (IV): $Py_2H[RePyCl_5]$ and $Py_2H[RePyBr_5]$. G. K. Babeshkina, V. G. Tronev. Dokl. AN SSSR 152 no. 1:100-101 S '63.

RHENIUM-IRON-IRIDIUM ALLOYS see Iron-iridium-rhenium alloys

RHEUMATIC FEVER

Clinical biochemical characteristics of interparoxysmal periods in rheumatic fever. N. I. Luk'ianova, L. A. Gavrilashenko. Vrach delo no. 8:122-123 Je '63.

Evolution of the theories of rheumatism and our tasks in the control of this disease. B. F. Snegan. Sov. zdrav. kir. no. 3:3-9 My-Je '63

Importance of prophylactic methods of treatment for the prevention of rheumatic relapses and development of heart defects [with summary in English]. Z. A. Zaitseva, N. N. Kuleshova. Terap. arkh. 35 no. 1:94-98 Ja '63.

RHEUMATIC HEART DISEASE

Importance of prophylactic methods of treatment for the prevention of rheumatic relapses and development of heart defects [with summary in English]. Z. A. Zaitseva, N. N. Kuleshova. Terap. arkh. 35 no. 1:94-98 Ja '63

Pathogenesis of psychoses occurring after surgical treatment of rheumatic heart defects, clinical morphological investigation. P. B. Kazakova, B. N. Mosunov. Trudy 1-go MMI 21:407-429 '63

Systolic phases of the heart in rheumatic carditis [with summary in English]. I. A. Sledzevskaia, G. B. [illegible]

RHODIUM-PLATINUM ALLOYS—OPTICAL PROPERTIES

Optical properties of diluted solid solutions palladium-silver and rhodium - platinum. L. E. Lekaina, N. V. Penkina. Trudy Inst. met. no. 15:58-64 '63

RHUBARB see subdivision under Aral Sea region, Kazakhstan

RIBONUCLEASE

Ribonuclease activity in different functional zones of the cerebral cortex. G. A. Nechaeva. Dokl. AN SSSR 152 no. 1:225-227 S '63.

RICE

Wintering peas and the increase of the fertility of rice fields [with summaries in English, German, and French]. B. I. Gol'fand. Vest. sel'khoz. nauki 8 no. 4:48-51 Ap '63.

RIDDLES

[Riddles; Russian folk riddles] Listki-zagadki; russkie narodnye zagadki. Moskva, Detgiz, 1962. 23 p. (NIC)

RIEMANN SURFACES

Indices of functions on Riemann surfaces. L. A. Aksent'ev. Dokl. AN SSSR 152 no. 1:9-122 S '63.

RIGA—AERONAUTICS—STUDY AND TEACHING

Frontiers of friendship. F. Sadchikov. Grazhd. av. 20 no. 7:6-7 Jl '63.

RIGA—ELECTRIC MACHINERY INDUSTRY—AUDITING AND INSPECTION

We shall go on a raid. E. Margolin. Komsom. zhizn' no. 13:10-12 Jl '63.

RIGA—PHYSICAL EDUCATION AND TRAINING

Work with students of the special sections. A. A. Briedis. Teor. i prak. fiz. kul't. 26 no. 6:48-50 Je '63.

RIGA—SCHOOL SUPERINTENDANTS AND PRINCIPALS

Even a victor is criticized. E. Akimov. Grazhd. av. 20 no. 8:30 Ag '63.

RIGHT OF PROPERTY

Koshelev, A. IA. [Private property in a socialist society] Lichnaia sobstvennost' v sotsialisticheskom obshchestve. Moskva, Sotsekgiz, 1963. 176 p.

RINDERINE

Pharmacology of the new alkaloid rinderine. V. A. Karimov, I. K. Kamilov. Farm. i alk. no. 1:253-262 '62.

RING COMPOUNDS see Cyclic compounds

RING FORMATION (CHEMISTRY)

Catalytic dehydrocyclization of 2-n-octylnaphthalene. N. I. Shuikin and others. Izv. AN SSSR, Ser. khim. no. 8:1468-1474 Ag '63.

Cyclic polymerization and copolymerization. Part 13: Cyclic polymerization of N-substituted diallyl amines [with summary in English]. S. G. Matsoian and others. Vysokom. soed. 5 no. 6:854-860 Je '63.

Cyclization of isoprenoid compounds. Report No. 7: Low-temperature cyclization of dihydro-α-, dihydro-β-, and dihydro-γ-ionones. V. A. Smit, A. V. Semenovskii, V. F. Kucherov. Izv. AN SSSR, Ser. khim. no. 9:1601-1607 S '63.

Dependence of the steric course of isoprenoid cyclization reaction on the configuration of 6, 7-double bond. V. A. Smit, A. V. Semenovskii, V. F. Kucherov. Izv. AN SSSR, Ser. khim. no. 9:1702 S '63.

New method of synthesizing macrocyclic compounds. Report No. 4: Effect of the length of aliphatic chain on the character and yield of the products formed in the intramolecular acylation of ω-(2-thienyl)alkanoic acid chlorides. IA. L. Gol'dfarb, S. Z. Taits, L. I. Belen'kii. Izv. AN SSSR, Ser. khim. no. 8:1451-1460 [illegible]

[illegible] series. Report No. 3: Cyclization of aceto-[illegible]phenes in the presence of aluminum [illegible] Gol'dfarb, V. P. Litvinov. Izv. AN [illegible] 9:1621-1626 S '63.

[illegible] eport No. 4: Quantitative composi-[illegible]tained by the cyclization of 5-ethyl-[illegible]lophene in the presence of alumi-[illegible] Gol'dfarb and others. Izv. AN [illegible] 9:1627-1631 S '63.

[illegible]e-sided ideals of certain matrix [illegible] Uch. zap. MGPI no. 168:83-87

[illegible]s for rings and semigroups. [illegible] zhur. 4 no. 4:729-743 Jl-Ag

[illegible]xponential bases in spaces of [illegible]rcular rings. K. M. Fishman. [illegible] 1935-943 Jl-Ag '63.

[illegible] in cattle trichophytosis. A. I. [illegible] 14:86-88 '59.

[illegible] see subdivision under [illegible] Province)

RIVERS

Some probability characteristics of a river flow. N. A. Kartvelishvili. Izv. AN Arm. SSR, Ser. tekh. nauk 16 no. 2/3:83-94 '63.

RIVERS—REGULATION

Investigation of natural conditions for regulating [illegible] discharge. P. D. Hutelin. Vestn. AN Kaz. SSR, ser. fiz.-tekh. nav. no. 1:109-117 '62.

RIZKIN, EFIM ARONOVICH, 1904-1963

E. A. Rizkin; obituary. Radiotekhnika 18 no. 6:80 Je '63.

ROAD CONSTRUCTION

Plant grass to protect slopes on all roadbeds. [illegible] Ivanova, V. I. Gritsyk. Transp. stroi. 13 no. [illegible] Je '63.

ROAD MATERIALS

Luchkin, A. I., and P. V. Safronov. [Laboratory [illegible] on road building materials] Laboratornyi praktikum [illegible] dorozhno-stroitel'nym materialam. Izd. 2, [illegible] dop. Moskva, Avtotransizdat, 1963. 131 p.

ROADS—DESIGN

Bogma, I. V., and E. S. Tomarovskaia. [Design of a highway taking visual perception into consideration] Proektirovanie avtomobil'noi dorogi s uchetom [illegible] nogo vospriiatiia. Moskva, Avtotransizdat, 1963. 74 [illegible] (Obmen tekhnicheskim opytom dorozhnykh [illegible])

Vashchenko, L. I., M. N. Kudriavtsev, and I. D. [illegible] ganov. [Designing highway lay-out] Proektirovanie trassy avtomobil'nykh dorog. [Omsk] Omskoe [illegible] izd-vo, 1961. 103 p. (Biblioteka studenta, no. 11) [MIC:61-1[illegible]]

ROBOTS see Automata

ROCK DRILLS—TESTING

Theoretical and exploitation indices of mine [illegible] matic perforators for deep drilling. A. K. Shibaev. Sbor. nauch. trud. KGRI no. 7:227-249 '59.

ROCK PRESSURE

(see also subdivision under Chelyabinsk Basin; Komirad region; Ural Mountain region)

Pressure of caved rocks on the bottom of [illegible]. I. Nikolin. Trudy Inst. gor. dela UFAN SSSR no. [illegible] '63.

ROCK PRESSURE—MEASUREMENTS

Measuring stresses by the method of partial [illegible]. M. L. Rudakov, A. D. Sashurin. Trudy Inst. gor. dela UFAN SSSR no. 5:29-34 '63.

ROCKET ENGINES—ABSTRACTS

[Aircraft and rocket engines] Ref. zhur.: Av. i raketostr. no. 9 S '63.

ROCKETRY—ABSTRACTS

[Rocket building] Ref. zhur.: Raketostr. no. 9 S '63.

ROCKETS (AERONAUTICS)

Optimal control of a power source during the motion of a body of variable mass with gradual dumping of source sections. V. V. Fokurev. Prikl. mat. i mekh. 27 no. 4:629-640 Jl-Ag '63.

[Problems of rocket engineering; translations and reviews of foreign periodical literature] Vop. raketn. tekh.: sbor. perev. i obz. inostr. period. lit. 13 no. 8 '63

ROCKETS (AERONAUTICS)—MODELS

Rocket launching site for young people. S. Kudriavtsev. Kryl. rod. 14 no. 7:43 Jl '63.

ROCKETS (ORDNANCE)—RADIO CONTROL

Gil'zin, K. A. [Rockets and radio] Raketa i radio. Moskva, Voenizdat, 1963. 62 p. (Nauchno-populiarnaia biblioteka voennogo izdatel'stva.)

ROCKS see subdivision under Azov Sea region; Sayan Mountains

ROCKS—ANALYSIS see subdivision under Ural Mountains

ROCKS—ELECTRIC PROPERTIES see subdivision under Dnieper Valley

ROCKS—MAGNETIC PROPERTIES

Asymmetry of the readings of the M-14-F magnetometer and consideration of its effect in determining the magnetic properties of rock samples. B. A. Mostovs[illegible]. Trudy SNIIGGIMS no. 27:67-91 '62.

ROCKS—PHOTOELECTRIC PROPERTIES

Thermoelectric and photoelectric effect of rocks and [illegible]erals. G. F. Komovskii. Priroda 52 no. 8:102-104 Ag '63.

ROCKS—TESTING

(see also subdivision under Carpathian Mountain region)

Density of intrusive rocks in the coal-bearing formations of the Donets Basin. IU. I. Belotserkovets. Geofiz. sbor. no. 4:43-47 '63.

ROCKS—TESTING (Continued)

Determining the mechanical constants of rocks in studying the seismic effect of blasting. O. A. Baikonurov, Sh. I. Ibragev, L. V. Vinokurov. Gor. zhur. no. 8, 28-29, Ag '63.

Stability of the sides of deep pits. M. L. Rudakov. Trudy Inst. gor. dela UFAN SSSR no. 5, 67-89 '63.

Study of the structural weakness of fractured rocks by modeling their strength under laboratory conditions. D. N. Kim. Trudy Inst. gor. dela UFAN SSSR no. 5, 97-105 '63.

ROCKS—THERMOELECTRIC PROPERTIES

Thermoelectric and photoelectric effect of rocks and minerals. G. F. Komovskii. Priroda 52 no. 8, 102-104 Ag '63.

ROCKS, CARBONATE

Using caliper log data for dividing carbonate sediments. V. N. Dakhnov. Geol. nefti i gaza 7 no. 6, 52-56 Je '63.

ROCKS, CARBONATE—ANALYSIS see subdivision under Malgobek region (Chechen-Ingush A.S.S.R.)

ROCKS, CARBONATE—CLASSIFICATION see subdivision under Krivoy Rog Basin

ROCKS, IGNEOUS

(see also subdivision under Armenia; Azov Sea region; Russian Platform; Transbaikalia)

Akademiia nauk SSSR. Laboratoriia vulkanologii. [Volcanism of Kamchatka and some other areas of the U.S.S.R.] Vulkanizm Kamchatki i nekotorykh drugikh raionov SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 250 p.

Facies of abyssal igneous rocks and endogenetic mineral deposits. D. I. Gorzhevskii, V. N. Kozerenko. Sov. geol. 6 no. 8, 3-16 Ag '63.

Results of the First Meeting on the Methods for Studying Accessory Minerals in Igneous Rocks. V. S. Koptev-Dvornikov, V. V. Likhovich. Sov. geol. 6 no. 8, 134-137 Ag '63.

Some characteristics of the mineralogy and geochemistry of niobium and tantalum in the pneumatolytic-hydrothermal metasomatic process associated with subalkali rocks. M. A. Kudrina. Min. syrie no. 7, 108-115 '63.

ROCKS, IGNEOUS—ANALYSIS see subdivision under Gissar Range; Kola Peninsula; Yenisey Ridge

ROCKS, SEDIMENTARY see subdivision under Caspian Sea region; Krivoy Rog Basin; Kul'dzhuktau; White Russia

RODENTIA see subdivision under Amur Province

RODENTIA—PARASITES see Parasites—Rodentia

ROE DEER—PARASITES see Parasites—Roe deer

ROLLER BEARINGS—TESTING

Experimental studies of bearing assemblies of mine car chutes with conical roller bearings. E. E. Novikov. Vop. rud. transp. no. 7, 250-254 '63.

Using a method of cut out craters for the measurement of the local wear of rolls. I. M. Liubarskii, M. L. Turovskii. Zav. lab. 29 no. 8, 986-988 '63.

ROLLING (METALWORK)

(see also subdivision under Zhdanov)

Coping with the production of stainless steel plate. V. I. Rospaslenko, F. M. Esman. Stal' 23 no. 7, 637-638 Jl '63.

Effect of external tension on the force required in rolling. A. A. Korolev. Stal' 23 no. 8, 728-731 Ag '63.

Effect of the initial shape of working rolls of continuous mill finishing stands on the shape of the rolled strip section. V. Kh. Faizullin and others. Stal' 23 no. 7, 621-627 Jl '63.

Forced increase in width and average elongation in rolling with irregular reduction in height. A. A. Slin'ko, P. A. Aleksandrov. Izv. vys. ucheb. zav., chern. met. 6 no. 7, 106-111 '63.

Grooving channels by the method of gradual bending. V. E. Stefanov, N. F. Protasov. Stal' 23 no. 8, 724-728 Ag '63.

Grooving for the rolling of strip with acute angles. V. S. Berkovskii, A. N. Osadchii. Stal' 23 no. 7, 627-631 Jl '63.

Investigating the flow rate area of a metal during rolling on large cogging mills. I. IA. Tarnovskii and others. Izv. vys. ucheb. zav.; chern. met. 6 no. 7, 96-105 '63.

Irregularities of deformation during rolling in T-beam grooves. T. F. Vlasov. Izv. vys. ucheb. zav.; chern. met. 6 no. 7, 117-121 '63.

Laws of tension changes in the rolling of flat shapes. Stal' 23 no. 8, 733-734 Ag '63.

Moscow. TSentral'nyi institut informatsii tsvetnoi metallurgii. [Working of nonferrous metals and alloys in capitalist countries] Obrabotka tsvetnykh metallov i splavov v kapitalisticheskikh stranakh. Moskva,

Pt. 1. [Technical and economic review and the technology of rolling] Tekhniko-ekonomicheskii obzor i tekhnologiia proizvodstva prokata. 1962. 349 p.

[MICROFILM]

New developments in research. A. S. Babii, A. A. Tol'skii. Stal' 23 no. 7, 642 Jl '63.

New developments in research. V. F. Isupov, A. I. Beliakov. Stal' 23 no. 8, 737 Ag '63.

Nozadze, A. D. and D. M. Lomsadze. [Principles of rolling mill practice. Osnovy prokatnogo proizvodstva. Tbilisi, Gos. izd-vo uchebno-pedagog. lit-ry "Tsodna."] 1961. 430 p. [In Georgian]

Plasticity of stainless austenitic steels during rolling, depending on their secondary oxidation during pouring. N. F. Nakonechnyi. Vop. proizv. stali no. 9, 65-72 '63.

Potentialities of metal economy in rolling mill practice and a material interest in its achievement. L. IA. Kats. Stal' 23 no. 7, 653-655 Jl '63.

Properties and peculiarities in the production of type R-75 heavy rails. N. F. Protasov and others. Stal' 23 no. 8, 731-733 Ag '63.

Review of A. P. Chekmarev and IA. L. Vatkin's book "Principles of pipe rolling in round passes." Iu. M. Matveev. Stal' 23 no. 7, 641-642 Jl '63.

Rolling billets for hobbing cutters. M. M. Volkov. Mashinostroitel' no. 7, 33 Jl '63.

ROLLING (METALWORK)—EQUIPMENT AND SUPPLIES

Automatic hydraulic press for the sectioning of round rolled metal products. Iu. I. Karmatskii. Kuz.-shtam. proizv. 5 no. 7, 21-25 Jl '63.

ROLLING MILLS

Mastering the operation of the continuous sheet-rolling mill 1700 at the Il'ich plant. E. N. Grishina, K. A. Sladnik, K. A. Khludeev. Stal' 23 no. 7, 635-636 Jl '63.

ROLLING MILLS—ELECTRIC DRIVING

Automatic temperature control of reduction gear and engine bearings of the main drive of rolling mills. Iu. I. Baranov, N. L. Kostousov. Stal' 23 no. 7, 640 Jl '63.

Universal device for processing the oscillograms of reversing rolling mills. A. V. Karochkin, A. B. Zelenov, Iu. P. Samcheleev. Izv. vys. ucheb. zav., elektromekh. 6 no. 5, 611-616 '63.

ROLLING MILLS—EQUIPMENT AND SUPPLIES

Heat transmission of rollers in sectional furnaces. V. S. Shkliar. Stal' 23 no. 8, 759-761 Ag '63.

ROLLING MILLS—FOUNDATIONS

Leningrad. Gosudarstvennyi institut po proektirovaniiu metallurgicheskikh zavodov. [Instructions on the design of foundations for the equipment of rolling and pipe mills] Instruktsiia po proektirovaniiu fundamentov pod oborudovanie prokatnykh i trubnykh tsekhov. *Moskva, Gosstroiizdat, 1963. 62 p. diagrs.*

ROLLS (IRON MILLS)

Determining elastic deformations of tools during metalworking by pressure. Report No. 2. S. P. Kharpov, P. I. Polukhin. Izv. vys. ucheb. zav.; chern. met. 6 no. 7, 128-132 '63.

Effect of the initial shape of working rolls of continuous mill finishing stands on the shape of the rolled strip section. V. Kh. Faizullin and others. Stal' 23 *no. 7, 621-627 Jl '63.*

Grooving for the rolling of strip with acute angles. *V. S. Berkovskii, A. N. Osadchii. Stal' 23 no. 7, 627-631 Jl '63.*

ROLLS (IRON MILLS)—TESTING

Quality of rolls for cold rolling. P. S. Skiluov and others. Stal' 23 no. 7, 651 Jl '63.

Use of volumetric component models in the study of the strength of rollers by an optical method. P. I. Polukhin and others. Zav. lab. 29 no. 8, 990-992 '63.

ROMANSKII, NIKOLAI NIKOLAEVICH, 1920-1962

Nikolai Nikolaevich Romanskii; an obituary. Les. khoz. 16 no. 2, 91 F '63.

ROMANTICISM

Contribution to discussions on romanticism. A. N. Sokolov. Vop. lit. 7 no. 7, 118-137 Jl '63.

ROME—HISTORY—SOURCES

"Invectivo" as a source for the history of sociopolitical thought. I. V. Shtal'. Vest. drev. ist. no. 2, 141-152 '63.

ROME—LABOR AND LABORING CLASSES

Slave and hired labor in Roman trade and their correlation during the first century B.C. R. E. Liast. Vest. drev. ist. no. 2, 99-114 '63.

ROME—SLAVERY

Situation of slaves in the late period of the Roman Republic. E. M. Shtaerman. Vest. drev. ist. no. 2, 80-99 '63.

ROOFING

Roofing. M. D. Egorov. Opyt. zarub. strol. no. 6, 3-30 '63.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. 1, Sec. V, ch. 25. [Roofing, waterproofing, and steamproofing materials based on organic binders] Krovel'nye, gidroizoliatsionnye i paroizoliatsionnye materialy na organicheskikh viazhushchikh (SNIP I-V. 25-62). 1963. 19 p.

ROOFING—EQUIPMENT AND SUPPLIES

Hand tool for roofing work. Stroitel' 9 no. 5, insert 1-4 My '63.

ROOFING, CONCRETE

Akademiia stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Flat ventilated roofs of corrugated mesh-reinforced concrete] Ploskaia ventiliruemaia kryshа s volnistym armotsementnym pokrytiem, opyt Upravleniia "Sibakademstroi" i Zapadno-Sibirskogo filiala Akademii stroitel'stva i arkhitektury SSSR. Moskva, Gosstroiizdat, 1963. 16 p.

ROOFS

Roofs. A. Iu. Vinogradova. Opyt. zarub. strol. no. 6, 31-63 '63.

ROOFS, SHELL

Mitelkovskii, I. E. [Designing cylindrical concrete shells] Raschet zhelezobetonnykh tsilindricheskikh svodov-obolochek. Moskva, Gosstroiizdat, 1963. 134 p.

ROOFS, SHELL—DESIGN AND CONSTRUCTION

Architecture of concrete shells. A. N. Repnikov. Sbor. *trud. LIIZHT no. 181, 5-63 '63.*

ROOFS, SUSPENSION

Kuznetsov, E. N. [Radial suspension systems; theory and design] Radial'nye vantovye sistemy; teoriia i raschet. Moskva, Gosstroiizdat, 1963. 120 p.

ROOT CROPS

Study of vibrational cleaning of root crops. A. P. Torekhov. Nauch. trudy UNIIMESKH 4, 34-39 '62.

ROOT CROPS—FERTILIZERS AND MANURES

Effect of magnesium applied during the liming of soils on the yield of root crops. F. I. Semenova. Trudy VIUA no. 38, 73-92 '61.

ROOT ROT see subdivision under Caucasus, Northern

ROOTS (BOTANY)

Accretion of roots in some woody plants. L. S. Savel'eva. Agrobiologiia no. 4, 631-633 Jl-Ag '63.

Characteristics of the development of the root system of lavender in Moldavia. G. I. Mustatea. Agrobiologiia *no. 4, 628-630 Jl-Ag '63.*

Development of the root system and productivity of winter wheat as related to sowing time. V. I. Bondarenko, M. M. Povzik. Visnyk sil'hosp. nauky 6 no. 8, 40-45 Ag '63.

Distribution of the mass and surface of roots in the ephemeral Salsola gemmascens stands of the Krasnovodskoye Plateau. I. G. Rustamov. Izv. AN Turk. SSR. Ser. biol. nauk no. 4, 42-48 '63.

Effect of agricultural methods on the development of root systems of perennial grasses and their productivity. V. V. Gritsenko. Dokl. TSKHA no. 62, 23-30 '61.

Effect of plant selection based on the strength of the root system on the increase of the yield and the improvement of its quality in the progeny [with summaries in English, German, and French]. F. G. Kirichenk

Use o
de
no.
Var
to
log

ROOT
Mic
by
Sol
'61
Stud
rhi
ro
SK

ROOT
Deca
Mil
Rege
Phy
no.
Spec
of
Fil

ROSE
Cyya
ros
(F.
sta

ROSIN ACIDS see Resin acids

ROSTOV-ON-DON—BUDGET
Consolidate the revenue base of local budgets. N. Grinchenko. Fin. SSSR 37 no 8 80-81 Ag '63

ROSTOV-ON-DON—TRANSPORTATION, AUTOMOTIVE
Smirnov, G. P. [Organization of automotive transportation in construction and industry] Organizatsiia raboty avtomobil'nogo transporta na stroitel'stve i v promyshlennosti. Moskva, Avtotransizdat, 1963 97 p. (Obmen tekhnicheskim opytom avtotransportnykh predpriiatii)

ROSTOV PROVINCE—AGRICULTURAL MACHINERY
Gershanov, S. V. [Machinery operators striving for large crops] Mekhanizatory v bor'be za urozhai. Moskva, Sel'khozizdat, 1956. 74 p. (Peredovoi opyt v sel'skom khoziaistve)
(DNAL)

ROSTOV PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING
School on a farm. G. Plotnikov. Sov. profsoiuzy 19 no. 13-14-15 Jl '63.

ROSTOV PROVINCE—BOARDING SCHOOLS
In the boarding schools of Rostov Province. A. Markina. Nar. obr. no 6 15-18 Je '63

ROSTOV PROVINCE—COMBINES (AGRICULTURAL MACHINERY)
On the first self-propelled combine. N. Rudenko. Sel'. mekh. no 5 6 My '63

ROSTOV PROVINCE—FARM MECHANIZATION
Mechanization is the path toward profitable production. I. N. Soldatov, N. P. Borisenko. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5:24-27 My '63.

ROSTOV PROVINCE—PHYSICAL EDUCATION AND TRAINING—CONGRESSES
Results of research by the physical education departments of the schools of higher learning in Rostov Province. M. A. Kalmykov. Teor. i prak. fiz. kul't. 26 no. 6:78 Je '63.

ROSTOV PROVINCE—PLANTS, PROTECTION OF
In Rostov Province. K. A. Samsonova, V. E. Sharkova. Zashch. rast. ot vred. i bol. 8 no. 5:43-46 My '63.

ROSTOV PROVINCE—WHEAT
Effect of preceding crops on the yield of winter wheat under the conditions in Rostov Province. N. P. Trunov. Dokl. TSKHA no. 62:61-68 '61.

ROSTOV REGION—SERVICE STATIONS—EQUIPMENT AND SUPPLIES
Column for filling two-cycle engines with a gasoline-oil mixture. M. N. Anopriev. Transp. i khran. nefti no. 1:27 '63.

ROTATING BODIES
Temperature field of an infinite hollow rotating cylinder [with summary in English]. E. P. Trofimov. Inzh.-fiz. zhur. 6 no 7:93-97 Jl '63

ROTATION OF CROPS
(see also subdivision under Bukovina; Ukraine)
Agricultural evaluation of grain and potato crop rotations for the central regions of the non-Chernozem belt. V. N. Stepanov and others. Dokl. TSKHA no. 62:5-16 '61.
Effectiveness of various amounts of lime in crop rotations with perennial grasses. O. K. Kedrov-Zikhman. Trudy VIUA no. 38 92-104 '61.
Forage beans as a valuable predecessor for grain crops in the Altai [with summaries in English, German, and French]. N. I. Chekanova. Vest. sel'khoz. nauki 8 no. 4:40-43 Ap '63.
Preceding crops for winter wheat in unimproved dry areas of southeastern Kazakhstan. E. M. Zonkova, G. O. Oterov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 5: 37-42 My '63.
What do you think about this problem, comrades agronomists? Volodymyr Ratnykov. Ukraina no. 19 8 Ag '63
Wintering peas and the increase of the fertility of rice fields [with summaries in English, German, and French]. B. I. Gol'fand. Vest. sel'khoz. nauki 8 no. 4: 48-51 Ap '63.

ROTIFERA
Productive possibilities of plankton rotifers. G. A. Galkovskaia. Nauch. dokl. vys. shkoly; biol. nauki no. 3:7-10 '63.

ROTORS
Self-centering and balancing of coaxial rotors [with summary in English]. E. G. Berger, A. S. Kelizon. Vest. LGU 18 no. 13:119-121 '63.

ROVNO PROVINCE—CANCER—PREVENTION
Cancer prevention in a rural location of Rovno Province. B. K. Kvashenko. Ped., akush. i gin. 25 no. 2:43-44 '63.

ROVNO PROVINCE—POTATOES—HARVESTING
Technical and economic indices of the K-3 and KGP-2 potato harvesting combines. V. S. Revuka. Visnyk sil'hosp. nauky 6 no. 6:21-26 Ag '63.

ROVNO PROVINCE—SUGAR INDUSTRY
Success depends on the activity of the scientific technological society organization. E. Zbarazskaia. NTO 5 no. 6,54 Je '63.

ROWING
Relation between the respiratory rhythm and the motions of an oarsman in college plow rowing. I. I. Lazarev. Teor. i prak. fiz. kul't. 26 no. 6 33-37 Je '63.

ROZENBLAT, MARK SAULOVICH, 1897-1962
In memoriam of Professor Mark Saulovich Rozenblat. Vest. otorin. no. 1 121 '63

RUBAKIN, NIKOLAI ALEKSANDROVICH, 1862-1946
From the N. A. Rubakin archive. Zap. Otd. ruk. no. 25. 423-463 '62

RUBBER
Use of electron microscopy for evaluating the distribution of carbon black in rubber compounds. K. A. Pechkovskaia and others. Zav. lab. 29 no. 8 968-970 '63.

RUBBER—TESTING
Rupture life of rubbers in the presence of physically aggressive media [with summary in English]. Iu. S. Zuev and others. Vysokom. soed. 5 no. 8,1201-1206 Ag '63.

RUBBER, SYNTHETIC
Nonsulfur vulcanization of some synthetic rubbers. Part 4. Effect of the nitrile group content on the thermal vulcanization of butadiene nitrile rubbers [with summary in English]. N. D. Zakharov. Vysokom. soed. 5 no. 8 1190-1195 Ag '63

RUBBER INDUSTRY
Monopolies in the natural rubber market [with summaries in English, French and German, pp. 75-76]. BIKI [Prilozh.] no 1:38-56 Ap '63.

RUBBER INDUSTRY—FINANCE see subdivision under Moscow

RUDNYY (KAZAKHSTAN)—IRON MINES AND MINING
Coeval of the space era. Iu. Gorin, A. Malkin. Vokrug sveta no. 1 1-3 Ja '63

RUDZUTAK, IAN ERNESTOVICH, 1887-1938
Trukan, G. A. [An Rudzutak. Moskva, Gospolitizdat, 1963. 94 p.

RUGOSA see Tetracoralla

RUHR VALLEY—LABOR AND LABORING CLASSES
Uprising of the Ruhr proletariat in March 1920 [with summary in English, p. 222]. F. I. Pankevich. Vop. ist. 38 no. 7:97-109 Jl '63.

RUMANIA—AGRICULTURAL ADMINISTRATION
A reform of agricultural administration in the Rumanian People's Republic. Ioan Ceterchi. Izv. vys. uchob. zav.; prav. 7 no. 2:153-155 '63.

RUMANIA—AGRICULTURE, COOPERATIVE
Socialist reconstruction of agriculture in the Rumanian People's Republic. R. S. Sharovatova. Vop. ist. 38 no. 7:101 Jl '63.

RUMANIA—ALGAE—RESEARCH
Anniversary session of the Botanical Institute of the Bucharest University. T. I. Stefureac. Bot. zhur. 48 no 7 1085-1087 Jl '63

RUMANIA—BIBLIOGRAPHY
[New literature on Rumania] Nov. lit. po Rum. no. 7 '63.

RUMANIA—COAL MINES AND MINING
Some problems in the development of the coal industry of the Rumanian People's Republic. Gala Ranta Ion. Nauch. trudy MGI no. 43:27-37 '62.

RUMANIA—FOREIGN ECONOMIC RELATIONS
The Rumanian national economic complex is a composite part of the world socialist economy. M. Petrescu. Plan. khoz. 40 no. 9:78-84 S '63.

RUMANIA—INDUSTRIES
The Rumanian national economic complex is a composite part of the world socialist economy. M. Petrescu. Plan. khoz. 40 no. 9:78-84 S '63.

RUMANIA—LIBRARIES
Contribution of the Academy of the Rumanian People's Republic to the development of Rumanian science and culture. Vladescu-Racoasa. Bibliotekoved. i bibl. za rub. no. 11:141-146 '63.

RUMANIA—MEDICAL SOCIETIES
Organization and the activity of the Society of Subprofessional Medical Personnel of the Rumanian People's Republic. L. Grom. Med. sestra 22 no. 6:46-48 Je '63.

RUMANIA—MOSSES—RESEARCH
Anniversary session of the Botanical Institute of the Bucharest University. T. I. Stefureac. Bot. zhur. 48 no. 7 1086-1087 Jl '63.

RUMANIA—POLITICS AND GOVERNMENT
"The Rumanian People's Republic in a socialist [in Rumanian] by Ioan Ceterchi. Review of book. Emtsova, A. V. Mitskevich. Sov. gos. i pravo 154-156 S '63.

RUMANIA—REFRACTORY MATERIALS
Abstract S. V. Glebov. Ogneupory 28 no. 1 '63.

RUMANIA—WORLD WAR, 1939-1945
Armed uprising of the Rumanian people in 1944. V. Vinogradov. Vop. ist. 38 no. 8:180 180 Ag '63.

RUMANIA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS
History of the antifascist struggle of the Rumanian during the Second World War. S. M. Partiinoe Ukr. ist. zhur. 6 no. 3 72-77 My-Je '63.

RUMANIAN LITERATURE—BIBLIOGRAPHY see Bibliography—Rumanian literature

RUMANIAN LITERATURE—HISTORY AND CRITICISM
An art maturing in the struggle, establishment of 19th realism in Rumanian literature. Iu. Lotman. Vop. lit. 7 no. 7 160-176 Jl '63.

RUMANIAN PAINTERS see Painters, Rumanian

RUMEN
Modern concepts of nitrogen metabolism in the rumen ruminants [with summary in English]. P. I. V. F. Vrakin. Izv. TSKHA no. 3:166-179 '61.
Nitrogen metabolism in the rumen of ruminants [with summary in English]. A. I. Sokolov, N. I. TSKHA no 3:234-236 '63.

RUMINANTIA—DISEASES AND PESTS
Specificity of Coccidia of sheep, goats and cattle. TSygankov, N. G. Palchuk, Z. A. Balbaeva zool. AN Kazakh. SSR 19:55-57 '63.

RUNNING
Changes in the activity of the heart (based on the frequency of its contraction) in the 100-meter dash weight lifting. A. A. Arutaev. Sbor. trud. Ch inst. fiz. kul't. 5:309-316 '62.

RUNOFF see subdivision under Caucasus

RURAL ELECTRIFICATION see subdivision under States

RURAL ELECTRIFICATION—BIBLIOGRAPHY see Bibliography—Rural electrification

RURAL SCHOOLS
Teaching combines. A. P. Kostin. Vech. 6 no. 3:16-19 My-Je '63.
Youth gets specialized training. A. I. Popov. Vest. sred. shkola 6 no. 3:18-21 My-Je '63.

RUSETSKI, ALIAKSEI, 1912-
Goldmines of poetry. V. Kryshtal'. Belarus' 38 no. 5:28-29 My '63.

RUSSIA—AIR FORCE
Reliable defenders of offshore boundaries. I. Kryl. rod. 14 no. 7:21-22 Jl '63.

RUSSIA—ARMED FORCES—DEMOBILIZATION
What is the order of assignment to the urgent projects of the countries? Komm. Vooruzh. Sil 3 no. 16:85-88 Ag '63.

RUSSIA—ARMED FORCES—POLITICAL ACTIVITY
Control in operation. N. Petukhov. Komm. Vooruzh. Sil 3 no. 16:32-37 Ag '63.
Fight sharply in the party manner against bourgeois ideology. Komm. Vooruzh. Sil 3 no. 16:3-7 Ag '63.
Follow-up of our articles. Komm. Vooruzh. Sil 3 no. 16 96 Ag '63.
Ideological work is in a great ascent. Komm. Vooruzh. Sil 3 no. 16:26-31 Ag '63.
In aid of the party activist group. N. Bakhmat'ev. Komm. Vooruzh. Sil 3 no. 16:88-89 Ag '63.
In the spirit of revolutionary vigilance. IU. Vasil'ev. Komm. Vooruzh. Sil 3 no. 16:66-68 Ag '63.
Inculcate ideological convictions in the defenders of the homeland. A. Mamaev. Komm. Vooruzh. Sil 3 no. 16 75-81 Ag '63.
Lenin's style in the work of each party collective. F. Stepchenko. Komm. Vooruzh. Sil 3 no. 16:17-25 Ag '63.
The main theme. Komm. Vooruzh. Sil 3 no. 16:90-94 Ag '63.
News of party and political work. Komm. Vooruzh. Sil 3 no. 16:93-95 Ag '63.
The seminar is a school for leaders of the group. S. Sotnikov. Komm. Vooruzh. Sil 3 no. 16:69-70 Ag '63.
Soldiers' letters. Komsom. zhizn' no. 13:26-26 Jl '63.
Why the beacon went out. I. Semiokhin. Komm. Vooruzh. Sil 3 no. 16:71-74 Ag '63.

RUSSIA—ARMY

The Soviet Army is an army of proletarian internationalism. G. Skladnev. Komm. Vooruzh. Sil 3 no. 16 8-16 Ag '63.

RUSSIA—ARMY—ARTILLERY

Kolesnikov, M. M. [Artillery piece in combat] Artillerliskoe orudie v boiu. Moskva, Voenizdat, 1963. 84 p. (Biblioteka serzhanta)

RUSSIA—ARMY—CAVALRY

Dobrushin, D. S., and B. M. Terokhov. [Guardsmen of a cavalry corps] Konnogvardeitsy. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1963 187 p.

RUSSIA—ARMY—MEDALS, BADGES, DECORATIONS, ETC.

[Soldier's Glory; essays on the bearers of the Order of Glory] Soldatskaia Slava, ocherki o kavalerakh ordena Slavy. Moskva, Gospolitizdat, 1963. 525 p.

RUSSIA—ARMY—POLITICAL ACTIVITY

Activists are tempered in the collective. S. Kashirin. Komm. Vooruzh. Sil 3 no. 16 82-84 Ag '63.

RUSSIA—CENSUS

Russia (1923- U. S. S. R.) TSentral'noe statisticheskoe upravlenie. [Results of the all-Union 1959 population census, the R. S. F. S. R.] Itogi Vsesoiuznoi perepisi naseleniia 1959 goda; RSFSR. Moskva, Gosstatizdat, 1963. 455 p.

Significant figures. V. Mashenkov Plan. khoz. 40 no. 8 86-90 Ag '63.

RUSSIA—COMMERCE

Moscow. Institut mezhdunarodnykh otnoshenii. [Organization and technique of the foreign trade of the U. S. S. R. and other socialist countries] Organizatsiia i tekhnika vneshnei torgovli SSSR i drugikh sotsialisticheskikh stran; uchebnoe posobie pod red. B. S. Vaganova. Moskva, 1963. 343 p.

RUSSIA—COMMERCE—LIBYA

Useful agreement. an interview. Nov. vrem. 21 no. 31: 8 Ag '63.

RUSSIA—COMMERCE—UNITED STATES

Prospects of Soviet-American trade. V. Krasnopol'skii. Nov. vrem. 21 no. 34:20-22 Ag '63.

RUSSIA—COMMUNIST PARTY see Communist Party of the Soviet Union

RUSSIA—CONSPIRACY OF DECEMBER, 1825

I. D. Likhushkin's notebook as a historical source. I. A. Mironova. Probl. istoch. no 11:113-152 '63.

New work on the Decembrists. V mire knig 3 no. 8:40 Ag '63.

RUSSIA—CONSTITUTION

Correlation of normative and programmatic principles in the Soviet Constitution. V. A. Rianzhin. Izv. vys. ucheb. zav., prav. 7 no. 2:27-39 '63.

[Soviet constitutions; a reference book] Sovetskie konstitutsii; spravochnik. Moskva, Gospolitizdat, 1963. 347 p.

RUSSIA—CONSTITUTIONAL LAW

Vikharev, S. R., and I. D. Vetrov. [Broadening the rights of the Union Republics; a historical and legal study based on materials related to the White Russian S. S. R.] Rasshirenie prav soiuznykh respublik; istoriko-pravovoi ocherk na materialakh Belorusskoi SSR. Moskva, Gosiurizdat, 1963. 129 p.

RUSSIA—CULTURE

How important it is to be cultured. Z. Papernyi. Nov. mir 38 no. 9.276-278 S '62.

RUSSIA—DESCRIPTION AND TRAVEL

Herr Karwein's dead "canards." S. Rukhovich. Mol. komm. no. 7:97-102 Jl '63.

RUSSIA—ECONOMIC CONDITIONS

Chordantsev, G. N. [Economic geography of the U. S. S. R.; Soviet socialist republics: the Ukraine, Moldavia, White Russia, Lithuania, Latvia, Estonia, Georgia, Azerbaijan, Armenia, Kazakhstan, Uzbekistan, Kirghizistan, Tajikistan, and Turkmenistan] Ekonomichna geografiia SRSR; Radians'ki sotsialistychni respubliky: Ukrains'ka, Moldavs'ka, Biorus'ka, Lytovs'ka, Latvis'ka, Estons'ka, Gruzins'ka, Azerbaidzhans'ka, Virmens'ka, Kazakhs'ka, Uzbets'ka, Kirgiz'ka, Tadzhits'ka, Turkmens'ka. Pid red. G. N. Cherdantseva, M. P. Nikitina, B. O. Tutykhina. Kyiv, Radians'ka shkola, 1961. 364 p. (IU)

In a distorting mirror. E. Mikul'skii. Mir. ekon. i mezhdunar. otn. no. 8:91-94 '63.

Industrial development and labor movement in Russia in the 1890's. G. F. Semeniuk. Prep. ist. v shkole 18 no. 5:10-28 S-O '63.

Marxism-Leninism is our banner and our fighting tool; N. S. Khrushchev's speech at the Plenum of the Central Committee of the CPSU June 21, 1963. Part zhizn' Kazakh. 33 no. 7:15-43 Jl '63.

A quotation... Agitator no. 12.11-18 Je '63.

"The Russian miracle." M. Chigrinets. Mol. komm no. 8:12-14 Ag '63.

RUSSIA—ECONOMIC CONDITIONS—CONGRESSES

Conference on the national economic balance of the Union Republics. P. Moskvin. Vest. stat. no. 8-87-90 '63.

RUSSIA—ECONOMIC POLICY

Cherkovets, V. N. [Socialism stands first] Sotsializm derzhit pervenstvo. Moskva, Izd-vo "Znanie," 1963. 44 p. (Nauchnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no. 6)

Contradictions of the period of transition from socialism to communism and ways to overcome them B. Rakhimov. Nauch. rab. i soob Otd. obshchestv. nauk AN Uz. SSR 5.5-11 '62.

Economic theory should meet current problems in planning. Vop. ekon. no. 8-3-11 Ag '63.

For a wider use of electronic data processing. G. Pirogov. Plan. khoz. 10 no. 8-48-52 Ag '63.

The great decade Part. zhizn' Kazakh 33 no. 6 3-6 Ag '63.

Il'in, M. A. [The condition necessary for the triumph of communism] Neobkhodimoe uslovie pobedy kommunizma. Moskva, Gospolitizdat, 1962. 54 p. (Ekonomicheskie znaniia - truzhenikam sela)
(CSt-H)

In the Academic Council on the Improvement of the Methods and Indices of National Economic Planning of the Academy of Sciences of the U. S. S. R. A. Klinskii. Vop. ekon. no. 8 151-154 Ag '63.

Introduce new principles for working out national economic plans. Plan. khoz. 40 no. 8 1-6 Ag '63.

Listvin, V. F. [Planned development of socialist production] Planomernoe razvitie sotsialisticheskogo proizvodstva, tekstsia po kursu politicheskoi ekonomii. [Saratov] Izd-vo Saratovskogo univ., 1963 58 p.

Morozov, N. S., and A. T. Polukarov. [Gradual transformation of socialist production relations into communist ones] Postepennoe pererastanie sotsialisticheskikh proizvodstvennykh otnoshenii v kommunisticheskie. [Moskva] Rozvuzizdat, 1963. 50 p.

The most interesting policy. A. Krasov. Mol. komm. no. 8:36-41 Ag '63.

New book on the economic problems of developing the world socialist system. M. Os'mova. Vop. ekon. no. 8 120-132 Ag '63.

Potentials for developing progressive industrial branches. G. Fradkin. Plan. khoz. 40 no. 9.69-72 S '63.

Progressive proportions and the balance coordination of the national economic plan. A. Kurskii. Vop. ekon. no. 8.53-63 Ag '63.

Sikorskii, V. M., and N. G. Krut'ko, eds. [Decisions of the 22d Congress of the CPSU; the detailed program for the building of communism] Reshenia XXII s"ezda KPSS; i razvernutaia programma postroenila kommunizma. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovanila BSSR, 1962, 310 p.
(MH)

Teoreticheskaia konferentsiia "Problemy optimal'nogo planirovaniia, proektirovaniia i upravlenila proizvodstvom, 1962 [Problems of the optimal planning, projection and administration of production] Problemy optimal'nogo planirovaniia, proektirovaniia i upravlenila proizvodstvom; trudy teoreticheskoi konferentsii, sostoiavsheisia na ekonomicheskom fakul'tete MGU v marte 1962. Moskva, Izd-vo Mosk. univ., 1963, 546 p.

Tikhonov, I. A., and V. P. Shchedrenok. [Main economic task and technological progress in the U. S. S. R.] Glavnaia ekonomicheskaia zadacha i tekhnicheskii progress v SSSR. Moskva, Ekonomizdat, 1963. 246 p.

The 22d Congress of the CPSU on establishment of the economic and technical foundation of communism. E. A. Abramov. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Ist. KPSS no. 4:16-34 '63.

Volchkov, B. A. [Development of industry and the creation of the material and technical base of communism] Razvitie promyshlennosti i sozdanie material'no-tekhnicheskoi bazy kommunizma. Moskva, Ekonomizdat, 1963. 81 p. (V pomoshch' propagandistam i slushateliam seti partiinogo prosveshchenila)

Working out a new five-year plan for the development of the national economy. A. Kochubei. Ekon. Rad. Ukr. no. 4:3-10 Jl-Ag '63.

RUSSIA—FOREIGN ECONOMIC RELATIONS

How the CPSU struggled for the consolidation and development of friendly cooperation among socialist countries, 1956-1961. D. S. Berg. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Ist. KPSS no. 4.177-203 '63.

RUSSIA—FOREIGN ECONOMIC RELATIONS—AFGHANISTAN

From the history of Soviet-Afghanistan economic cooperation. Kh. Zainutdinov. Uch. zap. Dush. gos. ped. inst. 35, Ser. geog. no. 2:195-218 '62.

RUSSIA—FOREIGN RELATIONS

General session of the Department of History of the Academy of Sciences of the U. S. S. R. I. V. Vasil'ev. Vop. ist. 38 no. 7:110-111 Jl '63.

Leninist principles of Soviet foreign policy P. S. Kol'tsov Vop ist, KPSS 7 no. 8 121-124 Ag '63.

Marxism-Leninism is our banner and our fighting tool; N. S. Khrushchev's speech at the Plenum of the Central Committee of the CPSU June 21, 1963. Part. zhizn' Kazakh. 33 no. 7:15-43 Jl '63.

Principle of peaceful coexistence and its bourgeois critics [with summary in English, pp. 220-222]. V. G. Trukhanovskii. Vop. ist. 38 no. 7:82-96 Jl '63.

V. I. Lenin's doctrine of peaceful coexistence is the basic principle of the foreign policy of the CPSU and the Soviet state. M. A. Kovnl'chuk Uch. zap. kaf obshchestv. nauk vuz. g. Len.; Ist. KPSS no. 4.135-154 '63.

RUSSIA—FOREIGN RELATIONS—CHINA

Biting on the bit.... Sovremennik. Nov. vrem. 21 no. 36:8-9 S '63.

China and the atomic bomb. Sovremennik. Nov. vrem. 21 no. 35 1-3 Ag '63.

RUSSIA—FOREIGN RELATIONS—DENMARK

Niels Bohr on scientific cooperation with Soviet scientists. M. Lebedenko. Usp. fiz. nauk 80 no. 2.251-254 Je '63.

RUSSIA—FOREIGN RELATIONS—FRANCE

Soviet relations with France in 1933-1938. IU. V. Borisov. Vop. ist. 38 no. 8-161-178 Ag '63.

RUSSIA—FOREIGN RELATIONS—GERMANY, EAST

Berlin says: "Willkommen!" Günther Linde. Ogonek 41 no. 28 1 Jl '63.

RUSSIA—FOREIGN RELATIONS—GREAT BRITAIN

Bernard Lowell visiting Soviet astronomers. Vest. AN SSSR 33 no. 9:59-64 S '63.

RUSSIA—FOREIGN RELATIONS—HUNGARY

Khrushchev, N. S. [Fraternal union, indissoluble friendship; a speech at the meeting of Soviet-Hungarian friendship on July 19, 1963] Bratskii soiuz, nerushimaia druzhba; rech' na mitinge sovetsko-vengerskoi druzhby 19 iiulia, 1963 goda. Moskva, Gospolitizdat, 1963. 30 p.

RUSSIA—FOREIGN RELATIONS—NEAR EAST

Semenov, L. S. [Russia and international relations in the Middle East in the 1820's] Rossiia i mezhdunarodnye otnoshenila na Srednem Vostoke v 20-kh godakh XIX v. [Leningrad] Izd-vo Leningr. univ., 1963 140 p.

RUSSIA—FOREIGN RELATIONS—TURKEY

Soviet contacts with Turkey, 1920-1922. D. M. Filipenko. Ukr. ist. zhur. 6 no. 3.77-81 My-Je '63.

"We were moved by Soviet hospitality." N. Klochkov. Az. i Afr. seg. no. 8:59 Ag '63.

RUSSIA—FOREIGN RELATIONS—UNITED STATES

Early history of American relations with the Soviet state; the mission of Raymond Robins. L. A. Gvishiani. Vop. ist. 38 no. 7:210-217 Jl '63.

RUSSIA—FOREIGN RELATIONS—YUGOSLAVIA

Bon voyage! Nov. vrem. 21 no 34 1-2 Ag '63

Yugoslavs and the Soviet Union. IU. Zhilin, V. Zagladin. Nov. vrem. 21 no. 35:3-6 Ag '63.

RUSSIA—HISTORICAL GEOGRAPHY

Some materials of the archives and libraries of Moscow and Leningrad concerning the study of Russian historical geography in the 18th and early 19th century. V. M. Kabuzan. Probl. istoch. no. 11:153-195 '63.

RUSSIA—HISTORIOGRAPHY

A historiographical conference in Moscow University. V. S. Shul'gin. Vop. ist. 38 no. 7:117-119 Jl '63.

"Historiography of the history of the U. S. S. R. from the ancient period to the Great October Socialist Revolution." V. H. Sarbei. Ukr. ist. zhur. 6 no. 3:139-141 My-Je '63.

Objectives of historical science in the light of the decisions of the plenary session of the Central Committee of the CPSU in June 1963 [with summary in English, p. 220]. Vop. ist. 38 no. 8:3-18 Ag '63.

Subject matter and program of the "Historiography of the history of the U. S. S. R." course in Soviet universities [with summary in English, p. 221]. S. O. Shmidt and others. Vop. ist. 38 no. 8:59-87 Ag '63.

RUSSIA—HISTORY

"Brief history of the Russian labor movement, 1861-1917." Reviewed by L. M. Ivanov and others. Vop. ist. 38 no. 7:136-139 Jl '63.

Brief notes. Vop. ist. 38 no. 7:164-169 Jl '63.

Brief notes. Vop. ist. 38 no. 8:158-169 Ag '63.

Discussing the textbook on the history of the U. S. S. R. for the seventh grade. N. M. Leshchenko. Ukr. ist. zhur. 6 no. 3:156-157 My-Je '63.

An obsolete interpretation of Russian internal policy in the 19th and the first half of the 19th century. V. A. Fedorov. Vop. ist. 38 no. 8:192-193 Ag '63.

A page from the past.... M. P. Nizhyna'kyi. Rad. shk. 42 no. 7:12-14 Jl '63.

[illegible]

[illegible] Soviet historians publish [illegible] O A Pershinkov, IU M. Chernetov said [illegible] Uch. zap. kaf. obshchestv. nauk vuz. g. Len.] [illegible]

[illegible] O D [illegible] of the workers' movement [illegible] Rossii [illegible] 235 p

[illegible] [Russian history from ancient times [illegible] Istoriia Rossii drevneishikh vremen [illegible] Moskva] [illegible] 1963 760 p

[illegible] parallel history of the U. S. A. and U. S. S. R. [illegible] Amerika no 5 20, 34 '63

[illegible] [illegible] [illegible]

RUSSIA—HISTORY—SOURCES

[illegible] for the description of [illegible] manufactures of the second [illegible] third factor, according [illegible] Goncharov family. P. I. Pr[illegible] 214-235 '63

[illegible] [Complete collection of Russian chronicles] Polnoe sobranie russkikh [illegible] M., Izd-vo Akad. nauk SSSR

[illegible] [Chronicle of 1457 Chronicle of 1518, [illegible] chronicle] Letopisnyi svod 1437 g. Letopisnyi svod 1518 g., Ustiuzhskaia letopis' 1963 416 p.

[illegible] [illegible] of the sources of Russian his[illegible] [illegible] M. V. Tikomirov, on [illegible] [illegible] I. I. Bogdanov, Probl. istoch. 11:214-223 '63

[illegible] [illegible] astronomical accounts of the late [illegible] century, the Paschal Rule of 1447. F. V. Semira [illegible] 11:291-323 '63

[illegible] [illegible] [illegible] of the documentary materials of the [illegible] [illegible] Probl. istoch. 11:272-283.

[illegible] [illegible] as a historical source. I. A. [illegible] Probl. istoch. no. 11:113-132 '63

[illegible] [illegible] first [illegible] as a source for the history [illegible] [illegible] industry in the first quarter [illegible] 18th century. M. IA. Volkov. Probl. istoch. 11:265-[illegible] '63

[illegible] [illegible] and the chronology of historical [illegible] in the Great Principality of Vladimir in the first half of the 15th century. A. V. Nasonov. Probl. istoch. no. 11:420-440 '63

[illegible] to the Third Congress of the Russian Social [illegible] Party. A review of the documentary materials of the "Materials of Iskra" in the Central [illegible] of the Communist Party. L. V. Shakhnazarova [illegible] 7 no. 8:112-116 Ag '63

[illegible] of the old deeds of the late 16th century. V. M. [illegible] Probl. istoch. no. 11:248-253 '63

[illegible] on the search for run-away serfs and slaves as a [illegible] of the inventory of the taxpaying population of [illegible] in the Volga Valley in the second half of the 17th century. N. A. Pavlova. Probl. istoch. 11:207-221 '63.

[illegible] data on the history of the October Revolution. V. V. [illegible] Vop. ist. KPSS 7 no. 9 93-106 S '63

[illegible] materials relating to the preparation of laws on [illegible] in the industries of slaveholding Russia, [illegible] the 18th to the early 1860's. B. N. Kazantsev. Ist. SSSR. no. 11:50-112 '63

Sources of the history of the U. S. S. R. No. 1: From the [illegible] period to the late 18th century" by M. N. [illegible] A. O. Vvedenskyi, V. I. Strel'skyi, L. H. Melnyk. Vkr. ist. zhur. no. 3:142-144 My-Je '63.

Text of the "land decree" and its reprinting in Soviet [illegible] editions. F. A. Lutskii. Probl. istoch. no. 11:3-45 '63.

V. N. Tatishchev's memorandum "Frank judgment of the Russian gentry" concerning the events of 1730. G. A. [illegible] Probl. istoch. no. 11:232-265 '63.

RUSSIA—HISTORY—STUDY AND TEACHING

First results of teaching the elementary course on the history of the U. S. S. R. in eight-year schools. P. S. Lebengrub. Sov. pedag. 27 no. 7:59-66 Jl '63.

Special courses for students of the Department of the History of the CPSU of the Faculty of History of Moscow University. A. V. Savinchenko, K. G. Levykin. Vop. ist. KPSS 7 no. 9:149-152 S '63.

Studying the history of the U. S. S. R. in the ninth grade (conclusion). I. IA. Lerner. Prep. ist v shkole 18 no. 5:47-57 S-O '63.

RUSSIA—INDUSTRIES

Fraternal cooperation of the Soviet peoples in the establishment of the economic and technical foundation of communism. IU. P. Gel. Uch. zap. kaf. obshchestv. nauk vuz. g. Len., Ist. KPSS no. 4:108-134 '63.

Great industrial revolution. E. Genkina. Nov. mir 38 no. 9:270-272 S '62.

How bourgeois historians distort the problem of the speed of socialist industrialization in the U. S. S. R. E. P. Gorbunov. Vop. ist. KPSS 7 no. 9:129-134 S '63.

Planning of the national economy and orienting it toward the most promising branches of industry. IA. Chadaev. Kommunist 40 no. 14:70-78 O '63.

RUSSIA—INDUSTRIES—DICTIONARIES

Universal reference book for economists. V. Letenko. [illegible] trud 8 no. 8:156-159 Je '63.

RUSSIA—INVASION OF 1812

Aleksandr Chicherin's notebook. Nov. mir 38 no. 9:7-70 S '62.

It is not in vain that all Russia remembers. A. Kochetkov. Mol. kommunist no. 9:28-37 S '62.

RUSSIA—INVASION OF 1812—MEDICAL AND SANITARY AFFAIRS

Medical care of the Russian army during the Patriotic War of 1812. S. A. Semeka. Voen.-med. zhur. no. 8 11-18 '62.

RUSSIA—LITERATURES

Amid periodicals and newspapers. Vop. lit. 7 no. 7 233-238 Jl '63.

Brief news. Vop. lit. 7 no. 7 249-256 Jl '63.

Nat[illegible] [illegible] [illegible] of tions Among the Russian, Azerbaijani, Armenian, and Georgian Peoples] Materialy. Tbilisi, Izd-vo Tbilisskogo univ. 1962. 146 p. (MH)

RUSSIA—MANUFACTURES

Accounting records as a source for the description of the Russian landed gentry's manufactures of the second half of the 18th century based on hand labor; according to the archival materials of the Goncharov family. E. I. Rubinshtein. Probl. istoch. no. 11:214-235 '63.

Andreev, B. I., and others. [Distribution of the branches of light industry in the U. S. S. R.] Razmeshchenie otraslei legkoi promyshlennosti SSSR. Moskva, In-t narodnogo khoz., 1963. 136 p.

Correlation between the supply and demand of consumer goods during the building of communism. V. Bel'chuk. Nauch. dokl. vys. shkoly, ekon. nauki 6 no. 5:16-27 '63.

Issuing bonuses for the manufacture of high-quality goods. N. Garetovskii. Sov. profsoiuzy 19 no. 14:13-15 Jl '63.

RUSSIA—MAPS

"Atlas of the U. S. S. R." Reviewed by A. G. Isachenko, M. B. Volf. Izv. Vses. geog. ob-va 95 no. 4 388-388 Jl-Ag '63.

RUSSIA—NAVY

Akademiia nauk URSR, Kiev. Institut istorii. [The role of seamen in the struggle for Soviet rule in the Ukraine, November 1917-1920] Moriaki v bor'be za vlast' Sovetov na Ukraine (noiabr' 1917-1920 gg); sbornik dokumentov. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963. 686 p.

"On Avrora's course; organization of the Soviet Navy and the early history of Soviet naval operations, November 1917-March 1919" by R. N. Mordvinov. Reviewed by A. L. Fraiman. Vop. ist. 38 no. 7:120-122 Jl '63.

RUSSIA—NAVY—OFFICERS

In the footsteps of their fathers. Vsevolod Azarov. Ogonek 41 no. 31:18-19 Jl '63.

RUSSIA—POLITICS AND GOVERNMENT

"The Communist Party as inspirer and organizer of the initiative of the Ukrainian people in the establishment of the U. S. S. R." M. I. Kulichenko. Ukr. ist. zhur. 6 no. 3:134-137 My-Je '63.

Concept of the "public-service organization" and the principal characteristics of the freedom of association in the Soviet Union. A. F. Brianskii. Sov. gos. i pravo 33 no. 9:104-109 S '63.

Development of communism and the school. V. V. Kornilov. Nar. obr. 42 no. 7:7-11 Jl '63.

[Gazette of the Supreme Soviet of the R. S. F. S. R.] Ved. Verkh. Sov. RSFSR 7 nos. 36, 38 S '63.

[Gazette of the Supreme Soviet of the U. S. S. R.] Ved. Verkh. Sov. SSSR 26 nos. 40-42 O '63.

A great date; the 40th anniversary of the establishment of the U. S. S. R. A. Kovalev. Nauch. trudy TashGU no. 212, Ist. nauki no. 42:7-17 '62.

The great decade. Part. zhizn' Kazakh. 33 no. 6:3-6 Ag '63.

How the new program of the CPSU develops V. I. Lenin's principle of the sovereignty of the people. E. M. Vakhanskii. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Ist. KPSS no. 4:61-89 '63.

Increased influence of the CPSU is an objective law of the development of Soviet society. Sov. gos. i pravo 33 no. 8:3-14 S '63.

Kalinnikov, A. A. [Toward communal self-government] K obshchestvennomu samoupravleniiu. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1963. 63 p. (Zrimye cherty kommunizma)

Kozlov, IU. M. [Administration in the field of [illegible] and cultural development] Upravlenie v oblasti [illegible] sotsial'no-kul'turnogo stroitel'stva, [illegible] po sovetskomu administrativnomu pravu. [illegible] Izd-vo Mosk. univ., 1963. 82 p.

Leading role of the CPSU in the development of [illegible] Soviet state and law. I. V. vyp. [illegible] no. 2:5-11 '63.

Legislative functions of public service organizations in the course of their participation in [illegible] administration. M. T. Baimakhanov. [illegible] 33 no. 9 94-101 S '63.

Lenin, V. I. [V. I. Lenin on the work of the [illegible] Lenin's rabote Sovetov. Moskva, Gospolitizdat, 1963. 431 p.

"Leninist principle of the participation of [illegible] governmental administration" by IU. M. [illegible] viewed by R. M. Lazarev. Sov. pol. i pravo [illegible] 150-152 S '63.

Leonid's views on the sovereignty of the [illegible] [illegible] strativo. Part. zhizn' Kazakh. 33 no. 11 [illegible] '63.

Mighty tools of the building of communism. I. [illegible] Part. zhizn' Kazakh. 33 no. 1:62-65 Ap '63.

Rozhin, V. P. [Introduction to the theory of [illegible] communism] Vvedenie v teoriiu [illegible] [illegible] (Leningrad] Izd-vo Leningr. univ. 1963. 165 p.

RUSSIA—REBELLION OF STENKA RAZIN, 1667-1671

Documentary materials on the peasant war [illegible] Razin. V. I. Buganov. Vop. ist. 38 no. 8:[illegible] '63.

Documents on the peasant war under the leadership of Stepan Razin in the Volga Valley. L. N. [illegible] Zap. Otd. rukop. no. 25:357-369 '62.

RUSSIA—RELATIONS (GENERAL) WITH AFRICA

How the Soviet Union has helped the countries of [illegible] and Africa in the development of their cultures. L. R. Kletskii. Uch. zap. kaf. obshchestv. nauk v [illegible] Len., Ist. KPSS no. 4:204-223 '63.

RUSSIA—RELATIONS (GENERAL) WITH ASIA

How the Soviet Union has helped the countries of [illegible] and Africa in the development of their cultures. L. R. Kletskii. Uch. zap. kaf. obshchestv. nauk v [illegible] Len.; Ist. KPSS no. 4:204-223 '63.

RUSSIA—RELATIONS (GENERAL) WITH BULGARIA

Bulgarian teachers in Lipetsk. Kharlato Vasile[illegible] obr. no. 8:87-88 Ag '63.

RUSSIA—RELATIONS (GENERAL) WITH CUBA

U. S. S. R. and Cuba. Kult. i zhizn' 7 no. 5:27 '63.

RUSSIA—RELATIONS (GENERAL) WITH CZECHOSLOVAKIA

Kotliarov, V. I., and A. D. Marchenko. [Friendship strengthened through blood] Druzhba, skreplennaia [illegible] krov'iu. [Khar'kov] Khar'kovskoe knizhnoe [illegible] 1963. 214 p.

RUSSIA—RELATIONS (GENERAL) WITH FINLAND

Trust, equality and cooperation. Eran von Hunnius. Kult. i zhizn' 7 no. 5:33 '63.

RUSSIA—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

Creative cooperation. S. Furin. Nar. obr. no. [illegible] Je '63.

Eloquent notes. Igor' Golosov. Kult. i zhizn' 7 [illegible] 32-33 '63.

International contacts of Soviet lawyers. Sov. [illegible] 1-2 My '63.

Pages from the history of proletarian solidarity. [illegible] Tarle. Vop. ist. 38 no. 7:204-210 Jl '63.

The Soviet Army is an army of proletarian internationalism. G. Skifadnov. Komm. Vooruzh. Sil 3 no. [illegible] Ag '63.

RUSSIA—RELATIONS (GENERAL) WITH SCOTLAND

Soviet students as friends of Scotland. D. I. Glatman. Inostr. iaz. v shkole no. 3:66-81 My-Je '63.

RUSSIA—REVOLUTION, 1917-1921

(see also subdivision under Chernopovets, Crimea; Leningrad; Mekeevka; Siberia; Soviet Central Asia, Turkestan; Ukraine; Uzbekistan; Znamenovka, Dnepropetrovsk Province)

Alekseev, S. P. [Citizen of the Russian Republic; stories from the history of a great year] Grazhdanin Rossiiskoi respubliki; rasskazy iz istorii velikogo goda. Moskva, "Sovetskaia Rossiia," 1963. 71 p.

At the sources of a song (continuation). A. Stepanov. Kryt. rod. 14 no. 9:38-40 S '63.

A Czechoslovak historian on the Great October Socialist Revolution. G. P. Murashko. Vop. ist. 38 no. 7:171-174 Jl '63.

"On Avrora's course; organization of the Soviet Navy and the early history of Soviet naval operations, November 1917-March 1919" by R. N. Mordvinov. Reviewed by A. L. Fraiman. Vop. ist. 38 no. 7:120-122 Jl '63.

Russian periodicals and newspapers as a source for the history of the Great October Socialist Revolution in the Russian provinces, October 1917-February 1918. V. V. Farsobin. Probl. istoch. no. 11:46-66 '63.

RUSSIA—REVOLUTION, 1917-1921 (Continued)

Some new data on the history of the October Revolution. V. V. Anikeev. Vop. ist. KPSS 7 no. 9,99-106 S '63

Soviet historical studies on the history of Bolshevik newspapers and periodicals published during the October Revolution. V. P. Budnikov. Vop. ist. 38 no. 8 114-126 Ag '63.

The Treaty of Brest-Litovsk and the local organizations of the Communist Party. Z. N. Bet'ina, N. T. Gorbunova. Vop. ist. KPSS 7 no. 9 38-47 S '63

Various forms of the political propaganda of the Communist Party, October 1917-March 1918. V. M. Sacherbak. Ukr. ist. zhur. 6 no. 3 14-23 My-Je '63.

RUSSIA—REVOLUTION, 1917-1921—CAMPAIGNS

At the sources of a song. A. Stepanov. Kryl rod. 14 no. 7 40-42 Jl '63.

RUSSIA—REVOLUTION, 1917-1921—CZECH PARTICIPATION

Czechoslovak internationalists in Soviet Russia. N. M. Pashaeva. Vop. ist. 38 no. 7 186-189 Jl '63.

RUSSIA—REVOLUTION, 1917-1921—PERSONAL NARRATIVES

Ionov, P. P. [Notebook of an aircraft observer, 1918-1920] Zapiski letchika-nabliudatelia, 1918-1920 g. g. Moskva, Voenizdat, 1959. 165 p. illus.
(CSt-H)

"Milestones of a remarkable road; reminiscences on the civil war." Reviewed by M. V. Rybakov. Vop. ist. 38 no. 7:122-125 Jl '63.

Muguev, Khadzi-Murat. [The stream of spring, reminiscences on the civil war.] Vesenii potok; vospominye memuary. Moskva, Sovetskii pisatel', 1963. 325 p.

RUSSIA—REVOLUTION OF 1905 see subdivision under Perm Government; White Russia

RUSSIA—RURAL CONDITIONS

Father of a family. G. IUrin. Sem'ia i shkola. 18 no. 6 30-31 Je '63

RUSSIA—STATISTICS

Gurevich, S. M. [V. I. Lenin and the statistics of the socialist state] V. I. Lenin i statistika sotsialisticheskogo gosudarstva. Moskva, Gosstatizdat, 1963. 181 p.

Results of carrying out the first half of the 1963 state plan for the development of the national economy of the U. S. S. R. Vest. stat. no. 8, 7-16 '63.

[The Union of Soviet Socialist Republics; basic facts and figures] Soiuz Sovetskikh Sotsialisticheskikh Respublik, osnovnye tsifry i fakty. Moskva, Izd-vo lit-ry na inostr. iazykakh, 1963. 86 p.

RUSSIA—STATISTICS—CONGRESSES

Conference on the national economic balance of the Union Republics. P. Moskvin. Vest. stat. no. 8:87-90 '63.

RUSSIA—STATISTICS, VITAL

Natural population movement in the U. S. S. R. Vest. stat. no. 8:91-93 '63.

RUSSIA—UNDERGROUND LITERATURE

A book on clandestine printing plants in Russia. F. K. Limonov, I. L. Man'kovskaia, G. A. Surovtseva. Vop. ist. KPSS 7 no. 9:127-129 S '63.

Illegal leaflets as a source for the prerevolutionary history of the CPSU. E. S. Petropavlovskii. Vop. ist. KPSS 7 no. 8 105-111 Ag '63.

Underground Bolshevik newspapers and periodicals during the First World War. A. IA. Tikhanov, M. IA. Tkacheva. Vop. ist. KPSS 7 no. 9:87-89 S '63

RUSSIA—VIEWS

[Communism is the living creation of the masses; album] Kommunizm - zhivoe tvorchestvo mass, al'bom. Moskva, Fabrika ofsetnoi pechati UBI MO, [1960] 10 plates.
(CSt-H)

RUSSIA, NORTHERN—LITERATURE

One lodging for the night from Moscow to the taiga. D. Romanenko. Zvezda no. 6:207-209 Je '62.

RUSSIA, NORTHERN—NATIVE RACES—CULTURE

Bear holiday. IUvan Shestalov. Zvezda no. 6:139-141 Je '62.

RUSSIA, NORTHWESTERN—FUSARIUM

Fusarium infection of annual legume seeds. M. IU. Stepanova. Zashch. rast. ot vred. i bol. 8 no. 7:17-18 Jl '63.

RUSSIA, NORTHWESTERN—LEGUMES—DISEASES AND PESTS

Fusarium infection of annual legume seeds. M. IU. Stepanova. Zashch. rast. ot vred. i bol. 8 no. 7 17-18 Jl '63.

RUSSIA, NORTHWESTERN—PEAS—DISEASES AND PESTS

Pea disease in the northwestern zone. Z. N. Khalcova. Zashch. rast. ot vred. i bol. 8 no. 7 35-36 Jl '63.

RUSSIA, SOUTHERN—PLOWING

Accumulation of moisture and weed control in early fall-plowed planed fields. V. A. Korchagin, I. G. Karandaev. Zemledelie 25 no. 7, 33-35 Jl '63.

RUSSIA, SOUTHERN—PLUM—DISEASES AND PESTS

Resistance of plum to Polystigma infection. E. N. Luk'ianova. Zashch. rast. ot vred. i bol. 8 no. 7 14 Jl '63.

RUSSIA, SOUTHERN—POLYSTIGMA

Resistance of plum to Polystigma infection. E. N. Luk'ianova. Zashch. rast. ot vred. i bol. 8 no. 7 14 Jl '63

RUSSIA, SOUTHERN—RYE

Effect of the agrometeorological conditions on the weight of 1000 winter wheat and rye kernels in the southern half of the European part of the U. S. S. R. B. P. Ponomarev. Trudy TSIP no. 131:101-121 '63

RUSSIA, SOUTHERN—SOIL MOISTURE

Accumulation of moisture and weed control in early fall-plowed planed fields. V. A. Korchagin, I. G. Karandaev. Zemledelie 25 no. 7 33-35 Jl '63.

RUSSIA, SOUTHERN—WEED CONTROL

Accumulation of moisture and weed control in early fall-plowed planed fields. V. A. Korchagin, I. G. Karandaev. Zemledelie 25 no. 7 33-35 Jl '63.

RUSSIA, SOUTHERN—WHEAT

Effect of the agrometeorological conditions on the weight of 1000 winter wheat and rye kernels in the southern half of the European part of the U. S. S. R. B. P. Ponomarev. Trudy TSIP no. 131:101-121 '63.

RUSSIAN DRAMA

Anastas'ev, A. N. [From the auditorium] Iz zritel'nogo zala. Moskva, Vserossiiskoe teatral'noe ob-vo, 1962. 103 p.
(MH)

RUSSIAN DRAMA—HISTORY AND CRITICISM

Where is your Beatrice? O. Spasskii. Mol. kommunist. no. 7:117-123 Jl '63.

RUSSIAN EXPLORATION see subdivision under Antarctic regions; Arctic regions; Issyk-Kul'

RUSSIAN LANGUAGE—BIBLIOGRAPHY see Bibliography—Russian language

RUSSIAN LANGUAGE—CHRESTOMATIES AND READERS

Alekseich, A. P., and S. M. Bratkovskaia. [Extracurricular reading, a literary chrestomathy for students in the 5th grade in non-Russian schools] Vneklassnoe chtenie, literaturnaia khrestomatiia dlia uchashchikhsia 5 klassov nerusskikh shkol; izd. 4. Moskva, Gos. uchebno-pedagog. izd-vo, 1960. 268 p.
(OU)

RUSSIAN LANGUAGE—COMPOSITION AND EXERCISES

Activation of teaching methods during creative work in grades five and six. N. L. Kitaeva. Rus. iaz. v shkole 24 no. 3 49-52 My-Je '63

Compositions on labor topics. N. G. Neltaeva. Rus. iaz. v shkole 24 no. 3 42-46 My-Je '63.

Free choice composition as a means of speech development. E. M. Krasnopol'skii. Rus. iaz. v shkole 24 no. 3 47-49 My-Je '63

L. N. Tolstoi on composition. V. Nerovynkh. Nar. obr. no. 6:32-33 Je '63.

Student literary almanac. L. D. IArutskii. Vech. shkola 6 no. 3:96 My-Je '63.

RUSSIAN LANGUAGE—CONVERSATION AND PHRASE BOOKS—FRENCH

[Russian-French phrase book] Russko-frantsuzskii razgovornik. [By] M. M. Kudriavtsev, S. V. Nevelov, E. A. Starikovaia. 2. izd. Moskva, Izd-vo lit-ry na inostr. iazykakh, 1962. 309 p.

RUSSIAN LANGUAGE—CONVERSATION AND PHRASE BOOKS—KOREAN

Usatov, D. M., and E. G. Të. [Russian-Korean phrase book] Russko-koreiskii razgovornik. [Moskva] Izd-vo lit-ry na inostr. iazykakh, 1962. 197 p.

RUSSIAN LANGUAGE—CONVERSATION AND PHRASE BOOKS—SWAHILI

Okhotina, N. V., N. G. Fedorova, and I. P. IAkovleva. [Russian-Swahili phrase book] Russko-suakhilskii razgovornik. Moskva, Izd-vo Vostochnoi lit-ry, 1963. 142 p.

RUSSIAN LANGUAGE—DIALECTS see subdivision under Tomsk Province

RUSSIAN LANGUAGE—DICTIONARIES—AZERBAIJANI LANGUAGE

Akademiia nauk Azerbaidzhanskoi SSR, Baku, Terminologicheskii komitet. [Dictionary of technical terms on mechanization and electrification of agriculture] Slovar' tekhnicheskikh terminov po mekhanizatsii i elektrifikatsii sel'skogo khoziaistva. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 49 p.

RUSSIAN LANGUAGE—DICTIONARIES—POLYGLOT

Akademiia nauk SSSR. Institut avtomatiki i telemekhaniki. [Russian-English-German-French dictionary of terms on automatic control] Russko-anglo-nemetsko-frantsuzskii slovar' terminov po avtomaticheskomu upravleniiu. Pod red. A. V. Khrianego. Moskva, Izd-vo Akad. nauk SSSR, 1963. 239 p.

RUSSIAN LANGUAGE—DICTIONARIES—SPANISH

[Concise Spanish-Russian and Russian-Spanish dictionary] Kratkii ispansko-russkii i russko-ispanskii slovar'. Moskva, Gos. izd-vo inostr. i natsional'nykh slovarei, 1962. 463 p.

RUSSIAN LANGUAGE—DICTIONARIES—UKRAINIAN

Kylanitsia-Hnylysta, N. M., comp. [Russian-Ukrainian dictionary on mechanics, 11,000 terms] Rosiis'ko-ukrains'kyi slovnyk z mekhaniky. 11 000 terminiv. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 310 p.

RUSSIAN LANGUAGE—FOREIGN ELEMENTS see subdivision under Pskov region

RUSSIAN LANGUAGE—FOREIGN WORDS AND PHRASES

Dictionary of winged and foreign words. Agitator no. 12 63 Je '63.

Semantic rearrangement of borrowed words in the Russian language. I. A. Novikov. Rus. iaz. v shkole 24 no. 3 5-10 My-Je '63

Some SerboCroatian elements in the maritime terminology of the Black Sea region [with summary in English]. B. L. Bogoroditskii. Vest. LGU 18 no. 14: 79-88 '63.

Studies of phonetic changes in foreign loan words of the "akalushchu" dialects in Siberia. S. I. Ol'govich. Uch. zap. LGPI 20 no. 2, 19-61 '62

RUSSIAN LANGUAGE—GLOSSARIES, VOCABULARIES, ETC.

A "laboratory for the study of words." V. N. Elina, O. I. Rak. Vest. LGU 18 no. 14:141-146 '63.

RUSSIAN LANGUAGE—GRAMMAR

New books on entertaining grammar. L. IU. Maksimov. Rus. iaz. v shkole 24 no. 3 106-108 My-Je '63

Tekuchev, A. V. [Grammatical analysis in school] Grammaticheskii razbor v shkole. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 304 p.

Valgina, I. S., and others. [Modern Russian language] Sovremennyi russkii iazyk. Moskva, Vysshaia shkola, 1961. 451 p.
(NIC)

RUSSIAN LANGUAGE—GRAMMAR, COMPARATIVE—SLOVAK

Isaccnko, Alexander V. [The grammatical system of the Russian language compared with the Slovak] Grammaticheskii stroi russkogo iazyka v sopostavlenii s slovatskim. Bratislava, Izd-vo Slovatskoi Akad. nauk.
Vol. 2. [Morphology] Morfologiia, 1960.
(RPB)

RUSSIAN LANGUAGE—HOMONYMS

Word-building homonyms of nouns and adjectives. L. A. Vvedenskaia, I. I. Shcheboleva. Rus. iaz. v shkole 24 no. 3 11-14 My-Je '63

RUSSIAN LANGUAGE—MORPHOLOGY

Anikina, A. B., ed. [Exercises on morphology for foreigners studying Russian] Sbornik uprazhnenii po morfologii dlia inostrantsev, izuchaiushchikh russkii iazyk. [Moskva] Izd-vo Mosk. univ.
No. 1 [Verbs, participles, gerunds] Glagol, prichastie, deeprichastie. 1963. 219 p.

RUSSIAN LANGUAGE—ORTHOGRAPHY

Problems of orthography. Rus. iaz. v shkole 24 no. 3: 89-92 My-Je '63.

Using commentaries during the teaching of orthography. A. M. Gorfunkel'. Rus. iaz. v shkole 24 no. 3 53-58 My-Je '63.

RUSSIAN LANGUAGE—SPEECH

Speech culture as an important means of student training. Rus. iaz. v shkole 24 no. 3:1-4 My-Je '63.

RUSSIAN LANGUAGE—SPOKEN RUSSIAN

Ladyzhenskaia, T. A. Analysis of students' oral speech in grades 6-7] Analiz ustnoi rechi uchashchikhsia V-VII klassov. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 132 p. (Akademiia pedagogicheskikh nauk RSFSR. Izvestiia, no. 125)

RUSSIAN LANGUAGE—STUDY AND TEACHING

Brief news. Rus. iaz. v shkole 24 no. 3:66-109 My-Je '63.

Brief notes on books. Rus. iaz. v shkole 24 no. 3:118-120 My-Je '63

Consultation. Rus. iaz. v shkole 24 no. 3:121-127 My-Je '63.

Experiment verified by life. N. I. Popov. Rus. iaz. v shkole 24 no. 3, 37-42 My-Je '63.

"For the efficient teaching of the Russian language in evening (staggered) schools." I. N. Tsyganova. Rus. iaz. v shkole 24 no. 3 110-112 My-Je '63

RUSSIAN LANGUAGE—STUDY AND TEACHING
(Continued)

RUSSIAN LANGUAGE—STYLE

RUSSIAN LANGUAGE—SYNONYMS

RUSSIAN LANGUAGE—SYNTAX

"Preventing errors in the construction of phrases and ... Reviewed by M. R. Lvov. Russ. yaz. v shkole 24 no. 3 109-110 My-Je '63

RUSSIAN LANGUAGE—TERMS AND PHRASES

RUSSIAN LANGUAGE—TEXTBOOKS FOR FOREIGNERS

Anikina, A. B., ed. [Exercises on morphology for foreigners studying Russian] Sbornik uprazhnenii po morfologii dlia inostrantsev, izuchaiushchikh russkii iazyk [Moskva] Izd-vo Mosk. univ.
No. 1 [Verbs, participles, gerunds] Glagol, prichastie, deeprichastie. 1963. 219 p.

RUSSIAN LANGUAGE—VERB

RUSSIAN LANGUAGE—WORDS

Bgazhnokova, I. IA. [The course of a word; old and new features in the Soviet Russian literary language] Put' slova, starye i novoe v iazyke russkoi sovetskoi literatury. Izd. 2., dop. Moskva, Sovetskii pisatel', 1963. 744 p.

Do we use the word "abiturient" correctly? IU. K. Stekhin. Russ. iaz. v shkole 24 no. 3 32-35 My-Je '63.

Lexicological work in reading classes. G. N. Pristupa. Nach. shkola 31 no. 10, 20-24 O '63.

Speech culture and purism in language. L. P. Krysin. Russ. iaz. v shkole 24 no. 3 26-32 My-Je '63.

RUSSIAN LITERATURE

New aid for students. L. A. Kontsevaia. Vech. sred. shkola 6 no. 3 87-89 My-Je '63.

RUSSIAN LITERATURE—BIBLIOGRAPHY see Bibliography—Russian literature

RUSSIAN LITERATURE—COLLECTIONS

Sergeev, M. A., ed. [Creative work of the people of the North] Tvorchestvo narodov Severa [Leningrad] Leningr. gazetno-zhurnal'noe i knizhnoe izd-vo, 1955. 446 p.
(CU)

RUSSIAN LITERATURE—CRITICISM, TEXTUAL

Reconstructing the text of the "Lay of the ruin of the Russian land" [with summary in English] N. A. Meshcherskii. Vest. LGU 18 no. 14:44-52 '63.

RUSSIAN LITERATURE—DICTIONARIES

A handbook on the literature and writings of the eastern Slavs. P. Vlarknoū. Vestsi AN BSSR. Ser. hram. nav. no. 4 136-139 '63.

RUSSIAN LITERATURE—HISTORY AND CRITICISM

Ability to tell the untruth. V. Skorodenko. Vop. lit. 7 no. 7 145-148 Jl '63.

Addressed to moral conscience. V. Kamianov. Vop. lit. 7 no. 7 200-202 Jl '63.

Blagoi, D. D. [From Pushkin to Maiakovskii; development of Russian literature during the 19th and the beginning of the 20th century] Ot Pushkina do Maiakovskogo zakonomernosti razvitiia russkoi literatury XIX-nachala XX veka. Moskva, Izd-vo Akad. nauk SSSR, 1963. 86 p. (Doklady sovetskoi delegatsii. V Mezhdunarodnyi s'ezd slavistov)

Ermilov, V. V. [Thoughts about the contemporary tale] Razmyshleniia nad sovremennoi povest'iu. Moskva, Sovetskii pisatel', 1963. 125 p.

Hero on the way. P. Glinkin. Zvezda no. 6:173-181 Je '62.

Main trend. Doshk. vosp. 36 no. 6:4-7 Je '63.

Symarov, A. A. [Our literary yesterday; historical and biographical sketches] Nashe literaturnoe vchera, istoriko-biograficheskie ocherki. [Chelliabinsk], Chelliabinskoe knizhnoe izd-vo, 1962. 162 p.
(NIC)

Stafeev, G. I. [Old Russian literature: a teacher's textbook] Drevnerusskaia literatura. posobie dlia uchitelia. Moskva, Izd-vo APN, 1963. 130 p.

Strength of truth. T. Napolova. Zvezda no. 6:164-172 Je '62.

Three conferences in Kuybyshev. L. Levin. Vop. lit. 7 no. 7 82-87 Jl '63.

Two books on the language and style of literary works. O. I. Rak. Vest. LGU 18 no. 14:125-128 '63.

RUSSIAN LITERATURE—STUDY AND TEACHING

Basic problems of the historical literary course in schools. B. V. Rozhdestvenskii. Uch. zap. MGPI no. 185 3-144 '62.

For a literature teacher. N. Korst. Nar. obr. no. 6:107 Je '63.

Portraying of nature in the works of I. S. Turgenev. T. F. Kurdiumova. Uch. zap. MGPI no. 185 171-185 '62.

Problems in the study of Soviet literature. IU. V. Kovalev. Vest. LGU 18 no. 14:129-132 '63.

Rozhdestvenskii, B. V. [Studying the composition of literary works in secondary schools] Izuchenie kompozitsii literaturnykh proizvedenii v srednei shkole, posobie dlia uchitelei. Moskva, Gos. uchebno-pedagog. izd-vo, 1958. 99 p.
(OU)

Some forms of work in extracurricular reading classes. Z. I. Pimenova. Nach. shkola 31 no. 10:38-41 O '63.

Special aspects of the discussion method. G. A. Mizikovskaia. Vech. sred. shkola 6 no. 3 69-72 My-Je '63.

Studying the Russian language in grades 9-11 literature classes. N. V. Rodomanchenko. Russ. iaz. v shkole 24 no. 3 66-69 My-Je '63.

RUSSIAN LITERATURE—TRANSLATIONS INTO FOREIGN LANGUAGES

Regional'noe soveshchanie po perevodu literatury s russkogo na iazyki narodov Srednei Azii, Kazakhstana i Azerbaidzhana. Alma-Ata, 1958. [Materials of the Regional Conference on the Translation of Literature from the Russian into the Languages of the Peoples of Central Asia, Kazakhstan, and Azerbaijan] Materialy. Alma-Ata, Kazakhskoe gos. izd-vo, 1960. 394 p.
(WU)

RUSSIAN LITERATURE—TRANSLATIONS INTO GERMAN

First German translation of A. N. Radishchev's "Journey from Petersburg to Moscow." Ch. Grasshof, E. Hexelschneider, G. Zeigengeist. Vop. lit. 7 no. 7 136-144 Jl '63.

RUSSIAN NEWSPAPERS
(see also subdivision under Surkhan-Darya)

Eidel'man, N. IA. [Herzen's "The Bell"] Gertsenovskii "Kolokol." Moskva, Uchpedgiz, 1963. 103 p.

Facsimile edition of "The Bell." S. Reiser. Vop. lit. 7 no. 7 210-216 Jl '63.

Russian periodicals and newspapers as a source for the history of the Great October Socialist Revolution in the Russian provinces, October 1917-February 1918. V. V. Farsobin. Probl. istoch. no. 11:46-66 '63.

Soviet historical studies on the history of Bolshevik newspapers and periodicals published during the October Revolution. V. P. Budnikov. Vop. ist. 38 no. 8:114-126 Ag '63.

RUSSIAN NEWSPAPERS—INDEXES

[Chronicle of newspaper articles] Let. gazet. st. no. 8 '63.

RUSSIAN PERIODICALS—INDEXES

[Chronicle of periodical articles] Let. zhur. st. no. 13-37 '63.

RUSSIAN PLATFORM—GEOLOGY, STRUCTURAL

Some characteristics of the distribution of Devonian volcanic formations in the eastern part of the Russian Platform. S. S. Piliuto, R. N. Valeev, IU. S. Shatilov. Sov. geol. 6 no. 8 66-77 Ag '63.

RUSSIAN PLATFORM—PALEOGEOGRAPHY

Paleogeography of the Tatarian stage in the northeastern part of the Russian Platform based on the Permian conodonts. O. S. Kochetkov. Trudy Inst. geol. Kazan. fil. AN SSSR no. 1 97-102 '63.

RUSSIAN PLATFORM—ROCKS, IGNEOUS

Lower Paleozoic trap formation in the western part of the Russian Platform. Z. G. Ushakova. Trudy VSEGEI no. 80 3-103 '62.

RUSSIAN PLATFORM—TRIPOLI (MINERAL)

Genesis of Upper Cretaceous tripoli in the southwestern edge of the Russian Platform. IU. N. Sen'kovskii. Dokl. AN SSSR 151 no. 1:181-184 Jl '63.

RUSSIAN POETRY—HISTORY AND CRITICISM

Denisova, I. V. [High principles can't be abandoned; new trends in the lyric poetry of the young] Vysokii otdavat' nel'zia, novoe v lirike molodykh. Moskva, Izd-vo "Znanie," 1963. 23 p. (Novoe v zhizni, nauke, tekhnike. X Seriia. Molodezh'zhaia, no. 14)

RUSSIAN POETRY—STUDY AND TEACHING

Study of Pushkin's works in senior grades and the analysis of landscape descriptions. T. F. Kurdiumova. Uch. zap. MGPI no. 185 115-170 '62.

RUSSIAN SATELLITES see Communist Countries

RUSSIAN SOCIAL DEMOCRATIC PARTY
(see also subdivision under Dnepropetrovsk; Kazakhstan; Leningrad; Ukraine; White Russia)

Anniversary of our beloved party. Uzbekistan 42 no. 8 3 Ag '63.

Attitude toward students at the Second Congress of the Russian Social Democratic Party. IU. N. Sorin. Sov. pedag. 27 no. 7:129-31 Jl '63.

"The birth of our party." G. V. Shcheptov. Vop. ist. 38 no. 6:126-128 Ag '63.

The Bolshevik Party as the educator of proletarian youth, 1903-1917 [with summary in English, p. 220]. A. N. Atarkin. Vop. ist. 38 no. 7:46-61 Jl '63.

Contacts of the Russian Social Democratic Party with the progressive leaders of Galicia, 1894-1903. M. M. Voitanuk. Ukr. ist. zhur. 6 no. 4 103-48 My-Je '63.

From the early history of our party, materials concerning the organizations of the Russian Social Democratic on the eve of the Second Congress of the Russian Social Democratic Party. Vop. ist. KPSS 7 no. 9 77-86 S '63.

A glorious path. R. Nurdzhipitov. Part. zhizn' Kaz. 6 no. 7 31-12 Jl '63.

Glorious path of struggle and victories. M. M. Rubinshko. Rud. shk. 42 no. 7:3-6 Jl '63.

A glorious sixtieth anniversary. B. Dzhumagaliev, G. Petukhova. Part. zhizn' Kazakh. 11 no. 8:39-50 Jl '63.

Glorious sixtieth anniversary. Vech. sred. shkola 6 no. 3:83-86 My-Je '63.

Illegal leaflets as a source for the prerevolutionary history of the CPSU. F. S. Petropavlovskii. Vop. ist. KPSS 7 no. 8 105-111 Ag '63.

In this historic year.... Nauka i tekh. 4 no. 7:18-21 Jl '63.

On the path to the Third Congress of the Russian Social Democratic Party, a review of the documentary materials of the "Bureau of Majority Committees" in the Central Archives of the Communist Party. K. V. Shishkina, Arkhiv Vop. ist. KPSS 7 no. 8:112-118 Ag '63.

One more distortion of the history of the Bolshevik Party. E. E. Pechuro. Vop. ist. 38 no. 7:193-195 Jl '63.

Party of the new age. Nov. vrem. 21 no. 31:1-2 Ag '63.

Shoulders of millions. V. Rudin. Ogonek 11 no. 31:9-11 Jl '63.

Sixtieth anniversary of the Second Congress of the Russian Social Democratic Party. Rech. transp. 22 no. 7: 5 Jl '63.

Triumph of the great ideas of communism. T. Zhangel'din, A. Baishin. Part. zhizn' Kazakh. 33 no. 1 55-59 Jl '63.

Turning point in the history of the Russian and worldwide revolutionary movement. Sov. pedag. 27 no. 7:12-17 Jl '63.

Underground Bolshevik newspapers and periodicals during the First World War. A. IA. Tikhanov, M. IA. Tkacheva. Vop. ist. KPSS 7 no. 9:87-88 S '63.

Work of the Russian Social Democratic Party among rural teachers in the period of the struggle for the creation of the Bolshevik party. L. K. Erman. Sov. pedag. 27 no. 7:18-28 Jl '63.

RUSSIAN SOCIAL DEMOCRATIC PARTY—CONGRESSES

Historical significance of the Second Congress of the Russian Social Democratic Party [with summary in English, pp. 219-220] S. L. Titarenko. Vop. ist. 38 no. 7:19-33 Jl '63.

In 1903 A. Dedov. Mol. komm no. 7, 27-34 Jl '63.

Inexhaustible source of our strength, on the 60th anniversary of the Second Congress of the Russian Social Democratic Party A. Egorova. Sov. profsoiuzy 19 no. 13: 4-5 Jl '63.

Party of all the Soviet people Nach. shkola 31 no. 7: 3-7 Jl '63.

The 60th anniversary of the Second Congress of the CPSU. Vop. ist. KPSS 7 no. 8:150-151 Ag '63.

The 60th anniversary of the Second Congress of the Russian Social Democratic Party. Sov. fiust. no. 11:1-3 Jl '63.

RUTHENIA see Transcarpathia

RUTHENIUM COMPOUNDS—ABSORPTION SPECTRA

Absorption spectra of the chloride complexes of tetravalent ruthenium. V. I. Shlenskaia, A. A. Birukov. Vest. Mosk. un. Ser. 2 Khim. 18 no. 1:75-79 Ja-Ag '63.

RUTHERFORD, ERNEST RUTHERFORD, BARON, 1871-1937

Reminiscences of the founder of nuclear science E. Rutherford and of some developments based on his work [translated from the English]. Niels Bohr. Usp. fiz. nauk 80 no. 2:215-250 Je '63.

RUTILE—ELECTRIC PROPERTIES

Anisotropy of current carrier drift mobility in partially reduced rutile. V. N. Bogomolov, P. M. Shavkunov. Fiz. tver. tela 5 no. 7:2027-2029 Jl '63.

RUTILE CRYSTALS

Anisotropy of oxygen and boron diffusion in rutile. V. N. Bogomolov. Fiz. tver. tela 5 no. 7:2011-2012 Jl '63.

RYAZAN—CHEMICAL INDUSTRIES

Volosatov, V. E. [People aim at the peaks] Liudi idut k vysotam [Riazan'] Riazanskoe knizhnoe izd-vo, 1961. 37 p.

RYAZAN—CONSTRUCTION WORKERS—EDUCATION AND TRAINING

Volosatov, V. E. [People aim at the peaks] Liudi idut k vysotam [Riazan'] Riazanskoe knizhnoe izd-vo, 1961. 37 p.

RYAZAN—MACHINERY INDUSTRY

Rubin, V. D. [The party organization in a workshop] TSekhovaia partiinaia organizatsiia. [Riazan'] Riazanskoe knizhnoe izd-vo, 1962. 38 p.

RYAZAN—MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING

[Your senior comrade] Tvoi starshii tovarishch. [Riazan'] Riazanskoe knizhnoe izd-vo, 1960. 44 p.

RYAZAN—TEXTILE FACTORIES

[First major industrial chemical complex] Pervenets bol'shoi khimii [Riazan'] Riazanskoe knizhnoe izd-vo, 1960. 76 p.

RYAZAN—WOMEN—EMPLOYMENT

Gavrilov, I. N. [Master of the state] Khoziaika derzhavy. [Riazan'] Riazanskoe knizhnoe izd-vo, 1960. 44 p.

RYAZAN PROVINCE—CORN (MAIZE)

Solovkin, V., and V. Urchenko. [Corn for grain] Kukuruzu—na zerno. [Riazan'] Riazanskoe knizhnoe izd-vo, 1961. 31 p. (DNAL)

RYAZAN PROVINCE—FIELD CROPS

Influence of intensive cultures on the productivity of a ploughland. A. Zinochkin. Ekon. sel'khoz. 34 no. 7: 86-91 Jl '63.

RYAZHSK DISTRICT—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

The rate of germination. I. Korshunov. Part. zhizn' no. 17:62-69 S '63.

RYE

(see also subdivision under Russia, Southern; Volga Valley)

Using data on the dynamics of the increase of the mass of growing plants for evaluating the agrometeorological conditions of the formation of the winter rye crop. E. A. TSuberviller. Trudy TSIP no. 131[130-139 '63.

RYE—FERTILIZERS AND MANURES

(see also subdivision under Aznakayevo District)

Fall supplementary fertilizers for winter crops. Iu. P. Sirotin and others. Zemledelie 25 no. 9:16-34 S '63.

RZHEV—COMMUNITY AND SCHOOL

Comments by a delegate. O. Zvereva. Doshk. vosp. 36 no. 6:10-11 Je '63.

ŠAFÁRIK, PAVEL JOZEF, 1795-1861

Myl'nikov, A. S. [Pavel Šafárik, outstanding Slavic scholar] Pavel Shafarik vydaiushchiisia uchenyi-slavist. Moskva, Izd-vo Akad. nauk SSSR, 1963. 110 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

SAFETY EDUCATION

When nothing good can be expected of play... V. Zorin. Semia i shkola 18 no. 6:17-18 Je '63.

SAILORS (NAVY) see subdivision under Brazil

SAKHALIN—FISH, CANNED

Canned saury M. A. Andrienko. Ryb. khoz. 39 no. 8: 70-71 '63.

SAKHALIN—SAURY

Canned saury M. A. Andrienko. Ryb. khoz. 39 no. 8: 70-71 '63.

SAKHALIN—SPRUCE

The spruce Picea glehnii (Fr. Schm.). A. P. Klimtsov. Priroda 52 no. 8:109-110 Ag '63.

SAKHALIN PROVINCE see Sakhalin

SAKHANDZHA VALLEY—GEOLOGY, STRATIGRAPHIC

Stratigraphic section of Ordovician and Lower Silurian sediments on the left bank of the Sakyndzha (Selennyakh Range). L. A. Musalitin. Sbor. st. po paleont. i bistrat. no. 28:23-37 '62.

SAKI (CRIMEA)—HEALTH RESORTS, WATERING PLACES, ETC.

Results of the treatment of the sequelae of gunshot wounds and traumata of the spinal cord and cauda equina at the Saki health resort. A. A. Lavrova. Vrach. delo no. 8, 143-144 Ag '63.

SALAIR RIDGE—LARCH

Pine and larch plantations in the taiga of the Salair Ridge. I. F. Lazorenko. Les. khoz. 16 no. 6:37-38 Je '63.

SALAIR RIDGE—PALEONTOLOGY, STRATIGRAPHIC

Tom'-Chumysh layers in the Salair Ridge and their analogues in Western Europe and the U. S. S. R. N. V. Mironova. Trudy SNIIGGIMS no. 23:134-139 '62.

SALAIR RIDGE—PINE

Pine and larch plantations in the taiga of the Salair Ridge. I. F. Lazorenko. Les. khoz. 16 no. 6:37-38 Je '63.

SALAR LANGUAGE—GRAMMAR

Tenishev, E. R. [The Salar language] Salarskii iazyk. Moskva, Izd-vo vostochnoi lit-ry, 1963. 54 p. (IAzyki zarubezhnogo Vostoka i Afriki)

SALES TAX

Kovylin, V. A. [The turnover tax on industrial goods] Nalog s oborota po promyshlennym tovaram. Moskva, Gosfinizdat, 1963. 238 p.

SALESMEN AND SALESMANSHIP

The salesman's smile,.. and his good name. N. Loginova, V. Ivanov. Komsom. zhizn' no. 13:13-17 Jl '63.

SALICYLANILIDE

Absorption of dibromosalicylanilide, an antifungal and antimicrobic remedy. N. N. Prokopovich. Vrach. delo no. 8:122-123 Ag '63.

SALINE AND ALKALI SOILS see subdivision under Bayramali District; Turkmenistan

SALINE WATERS

Aqueous-saline solutions at high pressures and temperatures as a possible medium of ore element transportation in hydrothermal processes [with summary in English]. A. F. Borina. Geokhimiia no. 7:656-666 Jl '63.

Discussions on the origin of calcium brines; reply to Professor E. V. Posokhov. V. I. Gmelich. Sov. geol. 6 no. 8, 150-150 Ag '63.

SALINE WATERS—ANALYSIS

Experimental study of the displacement of solutions of different specific gravity in porous rocks in connection with vertical hydrogeochemical zoning [with summary in English]. M. G. Valiashko, A. I. Polivanova, I. K. Zhercbtsova. Geokhimiia no. 3 312-328 Mr '63.

SALISBURY (SOUTHERN RHODESIA)—SOCIAL CONDITIONS

City built not in the right place [translated from the Swedish]. Per Westberg. Vokrug sveta no. 1 36-40, 51 Ja '63.

SALIVARY GLANDS

Changes in the course of the salivary ducts during the motion of the head and the lower jaw. V. F. Vil'khovoi. Vest. rent. i rad. 38 no. 2:65 Mr-Ap '63.

SALMON

Egg incubation and keeping of the prelarvae of salmon in gravel. A. M. Kol'gaev. Ryb. khoz. 39 no. 8 32-33 '63.

SALMONELLA

Development of the resistance of paratyphoid bacteria against antibiotics as related to the duration of the antibiotic treatment of animals. V. O. Fortushnyi, P. M. Shmidov. Visnyk sil'hosp. nauky 6 no. 8:108-113 Ag '63.

SALT DEPOSITS

(see also subdivision under Dnieper-Donets Lowland; Erivan region; Pripet Valley)

Outline of the geochemistry of salts. Pt. 2: Migration of Salts in folded areas. K. M. Feodot'ev, P. L. Prihid'ko. Trudy IGEM no. 99:147-153 '63.

Wood remains in salt deposits. A. A. Ivanov, N. G. Sheshukov, F. IA. Sapiykin. Sov. geol. 6 no. 8 107-111 Ag '63.

SALT DOMES see subdivision under Caspian Lowland; Dnieper-Donets Lowland, Volga-Ural region

SALTING-OUT

Determination of salting-out constants and activities in ternary solutions from freezing point depression data [with summary in English]. F. IA. Sivet. Zhur. fiz. khim. 37 no. 8:1760-1775 Ag '63.

SALTS

Decontamination of waste waters from arsenic-soda desulfuration with the recovery of salts. L. D. Grudskii. Koks i khim. no. 8:47-50 '63.

Reaction of potassium metamolybdate with salts of certain metals. V. I. Birukov, A. V. Lapitskii, I. G. Vlasov. Vest. Mosk. un. Ser. 2 Khim. 18 no. 4, 65-66 Il-Ag '63.

Study of catalysts produced by the reaction of sodium borohydride with salts of heavy metals. A. M. Tabes and others. Dokl. AN SSSR 152 no. 1, 119-121 S '63.

SALTWORT see subdivision under Bukhara Province; Krasnovodskoye Plateau

SALTYKOV, MIKHAIL EVGRAFOVICH, 1826-1889

M. E. Saltykov-Shchedrin and prerevolutionary justice. V. D. Gol'dinet. Izv. vys. ucheb. zav. iurisp. 7 no. 2: 129-138 '63.

SALVAGE

Emergency salvage operations at sea. P. Nikerov. Mor. flot 23 no. 5 21-22 My '63.

Some problems concerning the distribution of salvage awards. R. S. Rez. Inform. sbor. TSNIIMF no. 56 Mor. pravo i prak. no. 11 3-7 '60.

SAMARA BEND—EARTH TEMPERATURE

Geothermic characteristics of rocks in the Samara Bend. A. V. Druzhinin. Geol. nefti i gaza 7 no. 6 48-52 Je '63.

SAMARIUM—ABSORPTION SPECTRA

Spectrophotometric determination of samarium and europium [with summary in English]. V. I. Ganopol'skii, F. A. Ganopol'skaia, F. V. Barkovskii. Zhur. anal. khim. 18 no. 6 729-733 Je '63.

SAMARKAND—ATHEISM

Our experience in struggling against religious superstitions. I. Ergashev. Komm. Uz. 36 no. 6:59-65 Je '63.

SAMARKAND—COMMUNITY CENTERS

In the Palace of Culture. R. Aleksandrov. Uzbekistan 22 no. 8 11 Ag '63.

SAMARKAND—LOCOMOTIVES—MAINTENANCE AND REPAIR

People are checking. V. Sakolovskaia. Uzbekistan 22 no. 8 11 Ag '63.

SAMARKAND—POTTERY

Samarkand glazed pottery from the second half of the 12th century to the early 13th century. Sh. Rashidov, Zhizn' Nauch. rab. i soob. Obl. obshchestv. nauk AN Uz. SSR 5:197-211 '62.

SAMARKAND—STUDENT HOUSING

We are for "Gigant." N. Karimov, A. Lavovskii. Nar. khoz. Urb. 5 no. 8:65 Ag '63.

SAMARSKOYE DISTRICT—AGRICULTURAL ADMINISTRATION

There is a lot of important work to be done. A. Stepankov. Part. zhizn' Kazakh. 33 no. 7, 63-65 Jl '63.

SAMPLING—EQUIPMENT AND SUPPLIES

Apparatuses for the sampling of granular materials. N. K. Arsalanova, S. F. Kapel'ko. TSvet. met. 36 no. 8:85-86 Ag '63.

SAMPLING (STATISTICS)

Sampling study of industrial and construction workers' wages. P. Labok. Vest. stat. no. 8:11-48 '63.

SANATORIUMS

(see also subdivision under Kislovodsk; Sochi)

Infectious hepatitis patients must be completely cured; letter to the editors. A. M. Kishko. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:402 S-O '62.

Sanatorium and health-resort treatment of patients with primary glaucoma [with summary in English]. A. V. Suprun. Uch. zap. GNII glaz. bol. no. 8:228-238 '63.

SAND

(see also subdivision under Bashkiria; Dnepropetrovsk region; Turkmenistan)

Experimental investigation of the structure of sand flow in a wind tunnel. B. N. Senkevich. Izv. AN Turk. SSR. Ser. biol. nauk no. 4:30-36 '63.

Washing and hydraulic sorting of sand under laboratory conditions. V. I. Bul. Trudy BIIZHT no. 10:37-46 '61.

SAND—TESTING

Study of the deformation properties of sand in the phase of displacements. N. N. Sidorov. Sbor. trud. LIIZHT no. 100-64-78 '62.

SAND, FOUNDRY

Using rapidly drying mixtures for the making of molds and cores for large castings. L. A. Bol'shakov and others. Stal' 23 no. 8 710-711 Ag '63.

SAND AND GRAVEL INDUSTRY—SAFETY MEASURES

Ardaev, V. B. [Safety manual for workers producing sand, clay, and gravel] Pamiatka po tekhnike bezopasnosti dlia rabochikh pri dobyche peska, gliny i gravia. Moskva, Gosstroiizdat, 1963. 19 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

SAND-LIME PRODUCTS—THERMAL PROPERTIES

Heat conductivity and thermal diffusivity in heavy cementless materials. G. A. Tashkinov. Trudy BIIZHT no. 10 3-24 '61.

SANDSTONE see subdivision under Onega Lake region

SANDY SOILS

(see also subdivision under Kara Kum Canal region)

Improving "worthless" sandy lands by pine growing [with summaries in English and German]. G. I. Vasil'ev. Vest. sel'khoz nauki 8 no. 4:111-113 Ap '63.

SANITARY CHEMISTRY

Kogan, I. B. [Polarographic analysis in industrial sanitary chemistry] Poliarograficheskii analiz v promyshlenno-sanitarnoi khimii. Moskva, Medgiz, 1961. 151 p.

SAPONIFICATION

Synthesis and saponification of alkoxymethyl alkyl malonic esters. O. S. Stepanova, E. A. Iatsenko. Ukr. khim. zhur. 29 no. 6 612-614 '63.

SAPONINS

Identity of gypsoside and triterpenic saponin obtained from Gypsophila paniculata L. A. IA. Khorlin, IU. S. Ovodov, R. G. Ovodova. Izv. AN SSSR. Ser. khim. no. 8: 1521-1523 Ag '63.

Triterpenic saponins. Report No. 4: Structure of aralosides A and B. N. K. Kochetkov, A. IA. Khorlin, V. E. Vas'kovskii. Izv. AN SSSR. Ser. khim. no. 8:1398-1408 Ag '63.

Triterpenic saponins. Report No. 5: Structure of aralosides A and B. N. K. Kochetkov, A. IA. Khorlin, V. E. Vas'kovskii. Izv. AN SSSR. Ser. khim. no. 8:1409-1416 Ag '63.

SAPROPEL see subdivision under White Russia

SARAI—ART CENTERS

Club of friends of art. A. Kulikov. Komsom. zhizn' no. 13 31 Jl '63.

SARATOV—ECONOMICS—STUDY AND TEACHING

For a close tie between teaching economic theory and the practice of the building of communism. K. Paklina, V. Danilova. Nauch. dokl. vys. shkoly, ekon. nauki 6 no. 5 103-105 '63.

SARATOV DISTRICT—CENTRIFUGAL PUMPS

Automation of a pumping unit. V. P. Olelnik. Transp. i khran. nefti no. 1:17-19 '63.

SARATOV PROVINCE—AUDITING AND INSPECTION

Efficiency is the main thing. B. Lysov, N. Sorokin. Fin. SSSR 37 no. 8 72-78 Ag '63.

SARATOV PROVINCE—CENTRIFUGAL PUMPS

Experience in using 14N-12x2 centrifugal pumps in petroleum pumping stations. B. A. Kochubin. Transp. i khran. nefti no. 1:6-9 '63.

SARATOV PROVINCE—GEOLOGY, STRUCTURAL

Seismotectonic characteristics of the areas of experimental studies. Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR no. 16:24-30 '62.

SARATOV PROVINCE—PUBLIC PROSECUTORS

Conference of the Saratov Law School has discussed the report of the Saratov Province Public Prosecutor, I. Malandin. Sots. zakon. 40 no. 7 89 Jl '63.

SARCOSPORIDIA

(see also subdivision under Kochkorka District)

Division of "spores" of the sarcosporid Sarcocystis tenella Railliet, 1886, parasitic in sheep. N. G. Levchenko. Trudy Inst. zool. AN Kazakh. SSR 19:245-246 '63.

Some age-related and seasonal characteristics of the morphology of cysts of Sarcocystis tenella Railliet, 1886. N. G. Levchenko. Trudy Inst. zool. AN Kazakh SSR 19:60-64 '63.

SARYSU VALLEY—PROSPECTING—GEOPHYSICAL METHODS

Geophysical studies in the Chu - Sary-Su Depression and principal results therefrom. T. B. Sargaskaev. Izv. AN Kazakh. SSR. Ser. geol. nauk no. 4:15-24 '63.

SATIRE

Acathistus to a pettifogger; an unknown seventeenth century satire. L. V. Tiganova. Zap. Otd. ruk. no. 25: 370-388 '62.

[Permit me to trouble you, satirical stories, verse, fables, feuilletons, and dramatic sketches] Razreshite pobespokoit', satiricheskie rasskazy, stikhi, basni, fel'etony, dramaticheskie stsenki. [Tula] Tul'skoe knizhnoe izd-vo, 1962. 101 p. (MH)

SAUERKRAUT

Modification of the technology for the production and storage of pickles and sauerkraut. I. M. Strovpivskii. Kons i ov prom. 18 no. 7:12-14 Jl '63.

SAURY see subdivision under Sakhalin

SAVINGS BANKS see subdivision under Armenia; Ukraine

SAWFLIES

(see also subdivision under White Russia)

Effect of light on the duration of the development of the first nymphal instar of the pine sawfly Neodiprion sertifer Geoffr. T. P. Pankevich. Vestsi AN BSSR. Ser. bilal. nav. no. 1:110-114 '63.

SAWFLIES—EXTERMINATION see subdivision under Ukraine, Virgin Territory

SAWMILLS

Gafanovich, V. S., and N. K. IAkunin. [Automatic control of the feed speed on circular gang saws] Avtomaticheskoe regulirovanie skorosti podachi na mnogopil'nykh kruglopil'nykh stankakh. Moskva, Goslesbumizdat, 1963. 143 p.

TSentral'nyi institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshlennosti. [Efficient sawing of low-quality (firewood) and low-grade wood] Ratsional'nyi raskroi nizkokachestvennoi (drovianoi) i nizkosortnoi drevesiny. Moskva, 1963. 61 p. (Lesoeksploatatsiia) [MICROFILM]

SAWS

Effectiveness of using a reducing gear on the "Druzhba" gas saw for boring. V. G. Zaprudin. Geod. i kart. no. 6:23-24 Je '63.

SAWS—MAINTENANCE AND REPAIR

Repairing the "Druzhba" motorless saws. P. V. Bespalov. Les. khoz. 16 no. 2:70 F '63.

SAYAN MOUNTAINS—GERANIUM

Germanium in granitoids of the Eastern Sayan Mountains [with summary in English]. N. G. Lin, L. N. Morozov, A. S. Znamenskaia. Geokhimiia no. 12:1066-1070 '62.

SAYAN MOUNTAINS—GRANITE—ANALYSIS

Germanium in granitoids of the Eastern Sayan Mountains [with summary in English]. N. G. Lin, L. N. Morozov, A. S. Znamenskaia. Geokhimiia no. 12:1066-1070 '62.

SAYAN MOUNTAINS—MAGNETITE

Geochemical characteristics of accessory and ore magnetites (Eastern Sayan Mountains) [with summary in English]. A. V. Mitovskii. Geokhimiia no. 12:1094-1100 '62.

SAYAN MOUNTAINS—MANGANESE

Manganese in igneous rocks in the Altai-Sayan fold area [with summary in English]. I. I. Abramovich, E. B. Vysokoostrovskaia, E. F. Dorofeeva. Geokhimiia no. 7:647-651 Jl '63.

SAYAN MOUNTAINS—PIKAS

Northern pika Ochotona alpina Pall. as a forest pest. F. R. Shtil'mark, A. I. Khlebnikov. Priroda 52 no. 8:111-112 Ag '63.

SAYAN MOUNTAINS—ROCKS

Epigenetic zoning of rocks of the Shigneta series in the Ona River area of the Western Sayan Mountains. A. E. Lukin. Dokl. AN SSSR 151 no. 1:178-180 Jl '63.

SCAFFOLDING

In foreign countries: Movable scaffolding for ship-raising structures. P. Kudriashov. Rech. transp. 22 no. 6:48 Je '63.

SCALE INSECTS

(see also subdivision under Turkmenistan)

Revision of the genus Lepidosaphes Shimer (Coccoidea, Homoptera, Insecta) [with summary in English]. N. S. Borkhsenius. Zool. zhur. 42 no. 8:1161-1174 '63.

SCALES (WEIGHING INSTRUMENTS)

Error of conveyor scales without a speed transducer. V. I. Zhukovitskii. Vop. rud. transp. no. 7:86-94 '63.

SCANDIUM—ANALYSIS

Photometric method for determining scandium with chlorophosphonazo-III in wolframite. I. P. Alimarin, V. I. Fadeeva. Vest. Mosk. un. Ser. 2: Khim. 18 no. 4: 67-69 Jl-Ag '63.

SCARABAEIDAE

Rudiments of odoriferous glands in the pupae of the family Scarabaeidae [with summary in English]. L. V. Puchkova. Zool. zhur. 42 no. 8:1266-1268 '63.

SCARLET FEVER

Pathogenesis of scarlet fever. IE. S. Braiinyna. Ped., akush. i gin. 25 no. 2:13-16 '63.

Some indices of the reactivity of the body in [illegible] in children. Z. Y. Kapkova. Ped., akush. i gin. no. 2:8-12 '63.

SCARLET FEVER—PREVENTIVE INOCULATION

Pavlov, P. V. [Active immunization against [illegible] fever] Aktivnaia immunizatsiia protiv [illegible] skva, Medgiz, 1963. 217 p. (DNLM)

SCATTERING (PHYSICS)

Diffusion of radiation in a semi-infinite medium nonisotropic scattering. Part 2 [with summary in English]. I. N. Minin. Vest. LGU 18 no. 1[illegible] '63.

Kinetic equation for multiple scattering. Izv. vys. ucheb. zav., fiz. [illegible] I. N. Toptygin. Izv. vys. ucheb. zav., fiz. [illegible] '63.

Regge poles for scattering on the δ-potential [with summary in English]. V. M. Arutiunian, I. I. Gurevich, G. A. Nagorskii. Zhur. eksp. i teor. fiz. [illegible] 250 Ag '63.

Trajectory of a Regge vacuum pole [with summary in English]. B. V. Geshkenbein, B. L. Ioffe. [illegible] teor. fiz. 45 no. 2:346-348 Ag '63.

SCHIFF BASES

Synthesis of Schiff bases and inner-complex [illegible] A. S. Kudriavtsev, I. A. Savich. Vest. Mosk. un. Ser. Khim. 18 no. 1:61-64 Jl-Ap '63.

SCHISM—EASTERN AND WESTERN CHURCH

Belomorskii, Andrei. [Orthodoxy and the Papacy] Pravoslavie i Papstvo. New York, Russian [illegible] Fordham University, 1955. 36 p. (RPB)

SCHIZOPHRENIA

Content of adrenaline and adrenaline like substances in the blood of patients with schizophrenia and various diseases of the brain with mental disorders. I. I. Lando, IU. L. Zakhar'in. Trudy 1-go MMI [illegible] '63.

Interrelations of schizophrenia and hypertonia: [illegible] ants in their clinical course and therapy. I. P. Lazorova, IU. S. IUmasheva. Trudy 1-go MMI [illegible] 272 '63.

Nevzorova, T. A. [Clinical features of schizophrenia in the process of treatment with psychotropic preparations] Klinicheskie zakonomernosti shizofrenii v protsesse lecheniia psikhotropnymi preparatami. Pod red. M. K. Banshchikova. Moskva, Medgiz, 1963. 136 p. (DNLM)

Significance of a head trauma in the development of a schizophrenic process. E. F. Kuzanets. Vrach. delo no. 6:140-141 Je '63.

SCHOOL EXCURSIONS

(see also subdivision under Moscow region)

Teacher's happiness. N. Antonov. Nar. obr. [illegible] Je '63.

SCHOOL GARDENS see subdivision under Ukraine

SCHOOL LIBRARIES

(see also subdivision under Great Britain)

The school library, its problems and functions. [illegible] Ambartsumian. Bibliotekovedenie i bibliografiia [illegible] 170-177 '63.

SCHOOL MUSIC

Every school should have a mandolin orchestra. [illegible] Masnyi. Rad. shk. 42 no. 7:79-82 Jl '63.

SCHOOL MUSIC—INSTRUCTION AND STUDY

Aesthetic education of students in singing lessons. [illegible] Grodzenskaia. Sov. pedag. 27 no. 7:80-91 Jl '63.

SCHOOL SPORTS

(see also subdivision under United States)

Filin, V. P., ed. [Problems of sports for youth, [illegible] on the physical education and sports preparation of youth prepared by the institutes of physical education] Problemy lunosheskogo sporta, sbornik rabot [illegible] fizicheskoi kul'tury po fizicheskomu vospitaniiu i sportivnoi podgotovke molodezhi. Moskva, Fiz-ra i sport, 1963. 255 p.

SCHOOL SUPERINTENDANTS AND PRINCIPALS see subdivision under Riga

SCHOOL SUPERVISION

(see also subdivision under Kungur District, Perm Province)

For the notebook of a principal and the head of a [illegible] department. Nar. obr. no. 8:67-68 Ag '63.

In the Ministry of Education of the R.S.F.S.R. [illegible] shkola 31 no. 7 96 Jl '63.

Let's supervise the schools in a new way. N. [illegible] Nar. obr. no. 6:7-10 Je '63.

On the captain's bridge. G. Bocharova. Nar. obr. [illegible] 70-74 Ag '63.

Principal's handwriting. E. Krechetova. Nar. obr. no. 8:64-69 Ag '63.

Work of an inspector methodist of correspondence schools. M. IA. Vorokhovskii. Vech. sred. shkola no. 3:35-39 My-Je '63.

Working on methods in a school. T. P. Balak. Vech. sred. shkola 6 no. 3:51-54 My-Je '63.

Working with young teachers. A. Shumilkin. Doshk. vosp. 36 no. 6:11-12 Je '63.

SCHOOLCHILDREN
Dear children. IU Gagarin and others. Nar. obr. no. 6:71-73 Je '63.

SCHOOLHOUSES see subdivision under Ukraine

SCHOOLS—FURNITURE, EQUIPMENT, ETC.
Inventory. N.G. Doshk vosp 36 no. 6:104-105 Je '63.
Organizing the premises and schoolgarden of a collective farm preschool institution. N. Makhova Doshk. vykh 24 no. 6 39-41 Je '63

SCIATICA
Treatment of ischias by the method of lumboperidural infiltration of cortisone. M. B. Sinegubko. Sov med. 27 no 7:139-141 Jl '63.

SCIENCE
Brief correspondences. Tekh. mol. 30 no. 11:10-11 '62.
In the world of books. Tekh. mol. 30 no. 11:26 '62.
Vasil'ev, M. V., and S. Z. Gushchev. [Reportage from the 21st century] Reportazh iz XXI veka. 2., dop. izd. Moskva, Sovetskaia Rossiia, 1963 336 p.

SCIENCE—BIBLIOGRAPHY see Bibliography—Science

SCIENCE—EXHIBITIONS
Achievements of Soviet science. Inform. biul. VDNKH no. 5:4-6 My '62.

SCIENCE—JUVENILE LITERATURE
To make studying a pleasure. I. Borisov. Nar. obr. no. 8 110-111 Ag '63.

SCIENCE—PERIODICALS
Conference of the readers and authors of "Priroda." Priroda 52 no. 8:104-105 Ag '63.

SCIENCE—PHILOSOPHY
Akademiia nauk SSSR. Nauchnyi sovet po filosofskim voprosam estestvoznaniia [Dialectical materialism and present-day natural sciences] Dialekticheskii materializm i sovremennoe estestvoznanie, Moskva, [Vol. 1.] Kedrov, B. M. [Object and interrelationship of the natural sciences] Predmet i vzaimosviaz' estestvennykh nauk. 1962. (MH)

SCIENCE—STUDY AND TEACHING
Birth of a new method for the training of young scientists. Tekh. mol. 30 no. 11:14-17 '62.

SCIENCE AND CIVILIZATION
Rachkov, P. A. [Science and social progress] Nauka i obshchestvennyi progress [Moskva] Izd-vo Moskovskogo univ. 1963. 329 p.

SCIENCE FICTION
Before a choice I. Rodnianskaia Vop. lit 7 no. 7:33-52 Jl '63.

SCIENCE NEWS
For the inquisitive and those who seek I. Borisov. Nar. obr. no. 6:105-106 Je '63.

SCIENTISTS
Ideology and style of work of a Soviet specialist. Kuz.-shtam. proizv. 5 no. 8:1-2 Ag '63.

SCINTILLATION COUNTERS
A counter on predominantly positive high-frequency pulses. A. M. Prokof'ev. Uch. zap. Ped. inst. Goria. 197:184-186 '58.
Effect of a weak constant electric field on a scintillation counter. A. M. Prokof'ev. Uch. zap. Ped. inst. Goria. 197:180-183 '58.
Efficiency of plastic scintillators on the basis of copolymers of styrene with paravinyltoluene. A. P. Kilimov, N. M. Grachev. Prib. i tekh eksp 8 no. 3:175-176 My-Je '63.
[Akubovich, A. L. [Use of scintillation apparatus for fast analysis of mineral resources] Uskorennyi analiz mineral'nogo syr'ia s primeneniem stsintillitatsionnoi apparatury Moskva, Gosatomizdat, 1963. 130 p.
Multidimensional analyzer. A. B. Ekatov and others. Prib. i tekh. eksp. 8 no. 3:72-78 My-Je '63.

SCLERA—SURGERY
Results of 700 Lagrange-Holth operations in V. P. Filatov's modification [with summary in English]. F. IA. Mogilevskaia. Uch. zap. GNII glaz. bol. no. 8:214-227 '63.

SCLEROSIS
Pathogenesis of pneumosclerosis in tuberculous empyemas. V. T. Sviriakin. Probl. tub. 41 no. 3:83 '63.

SCOTLAND—RELATIONS (GENERAL) WITH RUSSIA
Soviet students as friends of Scotland. E. I. Glatman. Inostr. iaz. v shkole no. 3:66-81 My-Je '63.

SCOWS
Characteristics in the choice of basic elements of seagoing mud scows. IU. A. Plenkin. Trudy TSNIIMF no. 45:56-66 '63.
Emergency hoeling of mud scows. IU. A. Plenkin. Trudy TSNIIMF no. 45:67-78 '63.

SCRAP METAL INDUSTRY
Vibropressing of lightweight metal scrap. S. F. Chukmasov, A. I. Zazimko. Kuz.-shtam. proizv. 5 no. 5:14-15 My '63.

SCREENS (MINING)
Principles of the dynamic calculation of resonance conveyors and screens with nonlinear elastic connections V. N. Poturaev. Vop. rud. transp. no. 7 101-140 '63.

SCRUBBER (CHEMICAL TECHNOLOGY)
Venturi's scrubber and its use in the production of sulfate pulp. V. F. Maksimov, V. A. Bushmelev. Trudy LTITSBP no. 8:96-101 '61.

SCRUBBER (CHEMICAL TECHNOLOGY)—FLUID DYNAMICS
Resistance of a large packing layer in a nonisothermal stream. A. M. Sycheva, N. N. Tgorov Khim. i tekh. topl. i masel 8 no. 8:10-16 Ag '63.

SCULPTURE, ANCIENT see subdivision under Denau District

SCULPTURE, GREEK see subdivision under Panticapaeum

SCYTHIAN ANTIQUITIES see subdivision under Soviet Central Asia

SEA ANEMONES
Phenomena of regeneration and somatic embriogenesis in Actinia equina L. D. G. Polteva Nauch. dokl. vys. shkoly; biol. nauki no 3:13-16 '63

SEA BIRDS see subdivision under Pacific Ocean

SEA BLITE see subdivision under Kazakhstan

SEA COW
Is Steller's sea cow extinct? A. A. Berzin, E. A. Tikhomirov, V. I. Tiumin. Priroda 52 no. 8:73-75 Ag '63.

SEALS (ANIMALS) see subdivision under Greenland Sea

SEAMEN see subdivision under Odessa

SEAMEN—EDUCATION AND TRAINING
Training of seamen. M. I. Dontsova. Vech. sred. shkola 6 no. 3 42-45 My-Je '63.

SEASONS see subdivision under Siberia

SEAWATER
"Dead water" in oceans. E. A. Nikifina. Priroda 52 no. 8:91-93 Ag '63.

SEAWATER—OPTICAL PROPERTIES see subdivision under Arctic regions, Yenisey Bay

SECONDARY EDUCATION see Education, Secondary

SECONDARY ELECTRON EMISSION
Secondary electron emission of MgO films at small energies of electrons. V. L. Borisov, V. D. Khlystov. Radiotekh. i elektron. 8 no. 8:1626-1629 S '63.

SECONDARY ELECTRON EMISSION—MEASUREMENT
Measuring the coefficient of secondary emission from dielectrics. V. S. Gorovets. Prib. i tekh. eksp. 8 no. 3:153-154 My-Je '63.

SECONDARY RECOVERY OF OIL see subdivision under Apsheron Peninsula

SECTS see subdivision under United States

SECURITY, INTERNATIONAL
Security of individual states in a disarmed world and international law. O. V. Bogdanov. Sov. gos. i pravo 33 no. 9:62-71 S '63.

SEDATIVES
Sedative properties of the alkaloid dubinidine N. P. Polievtsev, I. K. Kamilov. Farm. alk no. 1 145-149 '62.
Sedative soporific and narcotic actions of the alkaloid haplophylidine. M. A. Magrupova, I. K. Kamilov, N. P. Polievtsev. Farm. alk. no. 1 155-159 '62.

SEDIMENTATION ANALYSIS
Method for determining the molecular weight distribution of cis-1,4-polybutadienes from sedimentation data in an "ideal" solvent [with summary in English]. I. IA. Poddubnyi, V. A. Grechanovskii, M. I. Moscvitskii, Vysokom. soed. 5 no. 7:1049-1053 Jl '63.
Study of selective solvation by sedimentation in a density gradient [with summary in English]. S. E. Breslor and others. Vysokom. soed. 5 no. 7:1101-1105 Jl '63.

SEDIMENTATION AND DEPOSITION
(see also subdivision under Franz Josef Land; Irtysh Valley)
Effect of the concentration of elements on a pH of their sedimentation. O. V. Shcherbak. Min. syr'e no. 7:71-85 '63.
Method of calculating the field of a silt load and the deformation of reservoir and river beds. A. V. Karaushev. Trudy GGI no. 100, 66-95 '63.
Methodology of studying the flow of suspended sediments in mountain rivers. I. V. Bogoliubova. Trudy GGI no. 100:26-39 '63.
Motion of a nonuniformly coarse mixture of sediments [with summary in English]. I. V. Egiazarov. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 2/3:41-50 '63.
Sediment runoff during the spring thaw. N. I. Drozd. Trudy GGI no. 100:136-144 '63.
Study of sediment runoff in a primary drainage network. K. N. Lisitsyna. Trudy GGI no. 100:122-135 '63.
Theory of the turbulence and movement of sediments V. M. Makkaveev. Trudy GGI no. 100 54-87 '63
Ways of studying fluvial sediments. A. V. Karaushev. Trudy GGI no. 100 3-25 '63.

SEDIMENTS (GEOLOGY)—ANALYSIS see subdivision under Daghestan, Lake Baikal

SEED INDUSTRY
Organization of seed production of grain crops and prospects for its development. M. P. Samsonov. Dokl. TSKHA no. 82, 105-108 '61.
Seminar on the seed growing of vegetable cultures for canning. V. D. Lugovkin. Konserv. i ov. prom. 18 no. 9 15 S '63.

SEED PRODUCTION
(see also subdivision under Alma-Ata Province; Kazakhstan; Ukraine, Uzbekistan)
Characteristics of fruiting in the larch and the procurement of larch seeds in Ivanovo Province. P. M. Grishin. Les. khoz. 16 no. 2 45-48 F '63
High-quality seeds as the golden resources of collective and state farms. P. A. Zabaznyi. Zemledelie 25 no. 1 3-11 Jl '63.
Klochkov, V. N., P. V. Maiykh, and A. P. Rogash. [Breeding and seed production of fiber flax] Selektsiia i semenovodstvo l'na-dolgunsa. Pod obshchei red. A. R Rogasha. Moskva, Sel'khozizdat, 1963 189 p. (DNAL)
Obtaining high yields of stock seeds. L. S. Ippolitov. Dokl. TSKHA no. 82 347-352 '61.
Using additional pollination in the production of tea seeds. V. V. Kutubidze. Agrobiologiia no. 4 502-505 Jl-Ag '63.

SEEDS
(see also subdivision under Pamirs)
Chemical composition and equilibrium moisture of vegetable seeds. V. N. Kuridina. Dokl. TSKHA no. 82:505-508 '61.
Physiology of hybrid seeds obtained from the crosses of monospermous and polyspermous sugar beets. A. V. Tishchenko, V. I. Moskalenko. Agrobiologiia no. 4:617-619 Jl-Ag '63.

SEEDS—DISINFECTION
Is it necessary to fumigate slightly infested pea seeds? E. I. Petrukha. Zashch. rast. ot vred. i bol. 8 no. 7:14 Jl '63.
Practices in disinfecting seed peas with chloropicrin in winter P. Solodovnik and others Muk.-elev. prom. 29 no. 3 9 Mr '63

SEEDS—GRADING
Apparatus for cleaning and grading conifer seeds. A. K. Karabaki. Les. khoz. 16 no. 6 68-70 Je '63.
Evaluating the quality of grading seeds by specific weight and moisture [with summaries in English, German, and French] M. A. Nazimov. Vest. sel'khoz. nauki 8 no. 4:101-104 Ap '63.

SEI WHALE
A case of extrauterine pregnancy in the sei whale (Balaenoptera borealis Lesson) [with summary in English] M. V. Ivashin. Zool. zhur. 42 no. 8:1275-1277 '63

SEIGNETTOELECTRIC SUBSTANCES see Ferroelectric substances

SEISMIC PROSPECTING
(see also subdivision under Caspian Lowland; Turkmenistan; Tyumen' Province; West Siberian Plain)
Calculation of velocity discontinuity from hodographs of reflected waves. V. R. Shevchenko. Geofiz. sbor. no. 4:101-108 '63.
Recording reflected transverse and transformed waves. L. N. Khudobina. Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR no. 16:140-171 '62.
Simplified means of interpreting hodographs of reflected waves. S. S. Khachaturiants. Prikl. geofiz. no. 36: 101-117 '63.
Some characteristics of the excitation of high-frequency waves. A. M. Brindzinskii, S. A. Kats. Trudy SNIIGGIMS no. 27:127-131 '62.
Some problems in interpreting transverse and transformed waves. N. N. Puzyrev. Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR no. 16:201-213 '62.
Using the Vikhert-Chibisov method to determine the velocity parameters in a medium in deep seismic probing. E. D. Tagai. Prikl. geofiz. no. 36:50-65 '63.

SEISMIC PROSPECTING—ELECTRONIC EQUIPMENT
Frequency-phase characteristics of a seismic amplifier with T-shaped filters of the higher and lower frequencies. M. K. Polshkov. Prikl. geofiz. no. 36:130-142 '63.
Frequency-phase distortions in a seismic amplifier with P-shaped filters of the higher and lower frequencies. M. K. Polshkov. Prikl. geofiz. no. 36:143-149 '63.
Multistage mixer. A. I. Slutskovskii, I. S. Lev. Prikl. geofiz. no. 36:118-137 '63.

SEISMIC WAVES

Approximative method of solving dynamic problems of diffraction from an edge, caused by intersecting contacts of media, and comparison of theoretical and experimental data. O. I. Rogozin, I. M. Sibgatullina. Prikl. geofiz. no. 36 3-27 '63.

Experimental study of transverse head waves. L. V. Karakheva, B. N. Puzyrev. Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR no. 16 64-94 '62.

Interpretation of hodographs of refracted waves. A. G. Averbukh. Prikl. geofiz. no. 36 28-37 '63.

Physical nature of waves arriving first, recorded in observations by the correlation refracted wave method. A. G. Averbukh, L. M. Gorbach, E. P. Sumerina. Prikl. geofiz. no. 36 38-49 '63.

Relation of the amplitudes of transformed transmitted PS reflected waves and PP3 head waves. I. S. Berzon. Izv. AN SSSR. Ser. geofiz. no. 8 1149-1170 Ag '63.

Study of kinematic and dynamic characteristics of transverse and transformed waves in holes. N. I. Berdennikova, I. N. Kulichikhina. Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR no. 16 31-63 '62.

Survey of experimental studies and some theoretical statements on the study of transverse and transformed waves. N. B. Puzyrev, L. N. Khudobina. Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR no. 16. 7-23 '62.

SEISMOLOGICAL RESEARCH

Modeling seismic phenomena in rock specimens. F. I. Petkevych. Nar. kalp. zemletrus. no. 6 26-30 '63.

SEISMOLOGY see subdivision under Transcarpathia, Ukraine

SEISMOMETRY

(see also subdivision under Pulkovo)

Improvement of an ultrasonic UZS-2(31) pulse seismoscope. Iu. I. Zakharevich, V. P. Telezhenko, Iu. V. Gorshenin. Trudy SNIIGGIMS no. 27 79-86 '62.

Using a hodograph of seismic waves to calculate velocity sections of the upper mantle as an inverse mathematical problem. T. B. Ianovskaia. Izv. AN SSSR Ser. geofiz. no. 8 1171-1177 Ag '63.

SELENIUM

(see also subdivision under Fergana)

Coprecipitation of selenium and tellurium with the aid of collectors. I. P. Onufrienok, V. M. Aksenenko, E. S. Novikova. Izv. TPI 111 115-118 '61.

Effect of selenium on the isomorphic replacement of sulfur by tellurium in sulfides. A. Iu. Malevskii. Dokl. AN SSSR 152 no. 1:191-193 S '63.

SELENIUM—ANALYSIS

Determination of selenium and tellurium in slimes of copper electrolysis. I. P. Onufrienok, V. M. Aksenenko. Izv. TPI 111 65-67 '61.

SELENIUM COMPOUNDS

Interaction of elementary selenium, selenides, and selenites of certain metals with sodium amalgam [with summary in English]. N. V. Dragavtseva and others. Zhur. anal. khim. 18 no. 6 773-776 Je '63.

SELF-GOVERNMENT (IN EDUCATION)

More on the self-government of students. V. Korotov. Nar. obr. no. 8 47-55 Ag '63.

SELF-INDUCTANCE

Simple demonstration of the dependence of the self-inductance of a choke-coil on the series connection of its "sections." A. R. Regel'. Uch. zap. Ped. inst. Gerts. 197:229-230 '58.

SEL'VINSKII, IL'IA L'VOVICH, 1889-

Il'ia Sel'vinskii's book of lyrics "On the times, on destinies, on love." Igor' Mikhailov. Zvezda no. 6 203-206 Je '62.

SEMEN—PRESERVATION

Preventive action of hypertonicity in rapid freezing of bull's semen [with summaries in English, German, and French]. E. M. Platov. Vest. sel'khoz. nauki 8 no. 4 75-76 Ap '63.

SEMENOV, IVAN MAKSIMOVICH

Ivan Semenov. R. Krilkov. Iskusstvo 26 no. 5 28-36 '63.

SEMICARBAZIDE

Use of thiosemicarbazides in analysis. Report No. 6. Qualitative and quantitative determination of cobalt by means of 1-phenylthiosemicarbazide [with summary in English]. N. V. Koshkin, N. M. Shreiner. Zhur. anal. khim. 18 no. 6 757-760 Je '63.

SEMICONDUCTORS

Active and reactive current component in a nonsymmetrical p-n junction at high injection levels. G. M. Avakiants and others. Radiotekh. i elektron. 8 no. 9 1594-1601 S '63.

Asherov, B. M. [Theory of transfer phenomena in semiconductors] Teoriia iavlenii perenosa v poluprovodnikakh. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 123 p.

Energy bands in semiconductors [translated from the English]. D. Long. Usp. fiz. nauk 80 no. 4 639-664 Ag '63.

Fourth Interuniversity Conference on the Breakdown of Dielectrics and Semiconductors. V. T. Rzhanov. Elektrichestvo 7 94-95 Jl '63.

Hall effect in semiconductors. N. I. Ovcharenko. Prom. energ. 18 no. 5 47-51 My '63.

Lowering levels in semiconductors [with summary in English]. L. V. Keldysh. Zhur. eksp. i teor. fiz. 45 no. 2 364-375 Ag '63.

P-n junctions in indium arsenide. N. P. Esina, N. V. Zotova, D. N. Nasledov. Radiotekh. i elektron. 8 no. 9 1602-1606 S '63.

Temperature changes in the parameters of devices with p-n-p-n type structure. R. E. Smolianskii. Radiotekh. i elektron. 8 no. 9 1615-1625 S '63.

Temperature compensation of e.m.f. Hall transducers. E. P. Figurov. Izv. vys. ucheb. zav.; elektromekh. 6 no. 5:805-810 '63.

Theory of heavily alloyed semiconductors. V. L. Bonch-Bruevich. Fiz. tver. tela 5 no. 7:1852-1864 Jl '63.

Theory of optical transitions in local centers. L. S. Kukushkin. Fiz. tver. tela 5 no. 8 2170-2177 Ag '63.

Theory of the Hall effect in low-mobility semiconductors. Iu. A. Firsov. Fiz. tver. tela 5 no. 8:2149-2169 Ag '63.

SEMICONDUCTORS—ELECTRIC PROPERTIES

Two conduction mechanisms in the theory of semiconductors of low mobility. E. L. Nagaev. Fiz. tver. tela 5 no. 8:2380-2383 Ag '63.

SEMICONDUCTORS—MAGNETIC PROPERTIES

Magnetic susceptibility of semiconducting elements of the 4th group as determined by X-ray diffraction analysis. N. N. Sirota, A. U. Sheleg. Dokl. AN SSSR 152 no. 1:81-83 S '63.

SEMICONDUCTORS—OPTICAL PROPERTIES

Absorption of light by free carriers in semiconductors with short-range fields of impurity centers. V. A. Alekseev. Fiz. tver. tela 5 no. 8 2133-2137 Ag '63.

SEMICONDUCTORS—PATENTS

TSentral'nyi nauchno-issledovatel'skii institut patentnoi informatsii i tekhniko-ekonomicheskikh issledovanii [Collection of Russian and foreign patents, semiconductors and their applications] Sbornik otechestvennykh i zarubezhnykh izobretenii, poluprovodniki i ikh primenenie. Moskva, 1963. 77 p.

SEMICONDUCTORS—PHOTOELECTRIC PROPERTIES

Barrier-layer and diffusion photo-e.m.f. E. I. Adirovich. Dokl. AN SSSR 151 no. 5 1060-1063 Ag '63.

SEMICONDUCTORS—TESTING

Reflecting electron microscope and its use in the quantitative study of semiconductors. G. V. Spivak, R. D. Ivanov. Izv. AN SSSR. Ser. fiz. 27 no. 9 1203-1206 S '63.

SEMICONDUCTORS—THERMOELECTRIC PROPERTIES

Apparatus for measuring the thermoelectric parameters of semiconducting materials. Prib. i tekh. eksp. 8 no. 3:208 My-Je '63.

SEMICONDUCTORS, EFFECT OF RADIATION ON

Defects in germanium caused by γ-rays. N. A. Vitovskii and others. Fiz. tver. tela 5 no. 7:1833-1841 Jl '63.

Energy levels in germanium due to fast neutron bombardment. R. F. Konopleva, S. R. Novikov, S. M. Ryvkin. Fiz. tver. tela 5 no. 7:1842-1851 Jl '63.

SEMIPALATINSK PROVINCE—HISTORY

Semipalatinsk (Province) Arkhivnyi otdel. [For the Soviet rule; articles and reminiscences of the struggle to establish and consolidate the Soviet regime in Semipalatinsk Province] Za vlast' Sovetov, sbornik statei i vospominanii o bor'be za ustanovlenie i uprochenie Sovetskoi vlasti v Semipalatinskoi oblasti. Semipalatinsk, 1961. 249 p.
(MH)

SENEGAL—WOMEN AND PEACE

Senegal needs peace. Fama N'Dao. Az. i Afr. seg. no. 8:41 Ag '63.

SENILE PSYCHOSIS

Cerebral atherosclerosis with mental disorders in old age. V. M. Banshchikov. Trudy 1-go MMI 21:44-57 '63.

Diagnosis of senile dementia in cerebral atherosclerosis. V. K. Skobnikova. *Trudy 1-go MMI 21:502-513* '63.

Differential diagnosis of vascular (atherosclerotic) disorders and presenile psychoses. G. M. *Molchanov*. Trudy 1-go MMI 21 241-260 '63.

Psychoses in conjunction with vascular lesions of the brain and senile dementia. V. P. Kushelev. *Trudy* 1-go MMI 21 511-519 '63.

Structure and characteristics of depressive states in vascular (atherosclerotic) and presenile psychoses. G. M. Molchanov. Trudy 1-go MMI 21:227-240 '63.

SENTENCES (CRIMINAL PROCEDURE)

Let us eliminate shortcomings in public prosecutors' supervision of the legality of and sufficient grounds for judicial sentences. A. Ivanenko. Sots. zakon. 40 no. 8:17-19 Je '63.

SENTO see Central Treaty Organization

SEPARATION (TECHNOLOGY)

Akademiia nauk *SSSR. Institut* fizicheskoi khimii [Ion exchange sorbents and their industrial application] Ionoobmennye sorbenty v promyshlennosti. Moskva, *Izd-vo Akad. nauk SSSR*, 1963. 244 p.

Electrolytic separation of binary alloys in the system Ti - Al. V. S. Bulkhin, V. A. Rozanichenko. Tr. Ural. ego splavy no. 9, 1960 235 '64.

Solubility of aluminum and titanium chlorides in sodium chloride. V. S. Bulkhin, V. A. Rozanichenko. Tr. Ural. ego splavy no. 9:229-290 '63.

Titanium and aluminum electrode potentials in fused sodium chloride. V. S. Bulkhin, V. A. Rozanichenko. Titan i ego splavy no. 9:229-241 '63.

SEPARATORS (MACHINES)

(see also subdivision under Krivoy Rog Basin)

Centrifugal vibration method for grain separation [with summaries in English, German, and French]. N. N. Vasilenko, L. S. Goncharov. Vest. sel'kho. nauki 8 no. 4 95-100 Ap '63.

Separation of stones from corn grading. I. N. Vorobiev. Sakh. prom. 37 no. 9 58-61 S '63.

SEPARATORS (MACHINES)—TESTING

Testing of the hydrocyclone for sand separation in the Yaroslavl Starch and Molasses Combine. V. A. Ilin. Sakh. prom. 37 no. 9, bd-58 S '63.

SEPTORIA see subdivision under Armenia

SEQUENCES (MATHEMATICS)

Cardinal numbers of sets of precomplete classes of certain functional systems related to automata. V. B. Kudriavtsev. Dokl. AN SSSR 151 no. 3, 1963 Pub. 4, '63.

A class of measures in a space of sequences. A. Ia. Khinchin, Sib. mat. zhur. 4 no. 6:1358-1369 N-D '63.

Distribution of "almost primes" in polynomial sequences. B. V. Levin. Mat. sbor. 61 no. 1 3-30 '63.

SERBO-CROATIAN LANGUAGE—CLAUSES

A study by a Norwegian Slavist. P. A. Dmitriev. Vest. LGU 18 no. 14:120-125 '63.

SERBO-CROATIAN LANGUAGE—DICTIONARIES—RUSSIAN

[Serbo-Croatian-Russian pocket dictionary, 6,000 words] Kratkii serbskokhorvatsko-russkii slovar' [by] V. P. Gudkov. 6400 slov. Moskva, Gos. izd-vo inostrannykh i natsional'nykh slovarei, 1963. 411 p.

SERF'DOM

Radishchev, A. N. [Journey from St. Petersburg to Moscow] Puteshestvie iz Peterburga v Moskvu. [n.p.] Gos. izd-vo detskoi lit-ry, 1962. 237 p. (Shkol'naia biblioteka)
(NUC)

SERIES

Determination of certain trigonometric sums with coefficients representing arithmetical functions. A. A. Kiselev, L. A. Onufrieva. Uch. zap. Ped. inst. Gertsa 197:5-8 '58.

Expansion in irreducible representations of the series of restricted representations of the basic group of the proper Lorentz group to the real Lorentz group. Iu. M. Romm. Dokl. AN SSSR 152 no. 1:59-62 S '63.

Local convergence of base series. M. M. Dzhrbashian. Usp. mat. nauk 18 no. 4:113-149 Jl-Ag '63.

Multidimensional generalized Lidstone series and their properties. A. N. Filatov. Sbor. nauch.-issl. rab. VTI no. 15:45-52 '62.

Supersummability of a power series by Cesàro's method. N. A. Davydov. Usp. mat. nauk 18 no. 1:129-134 Jl-Ag '63.

SERIES, DIRICHLET'S

Arkhangel'skaia, V. M. [Dirichlet's L functions; a text book on the analytical theory of numbers] L. funktsii Dirikhle; uchebnoe posobie po analiticheskoi teorii chisel. [Saratov] Izd-vo Saratovskogo univ., 1963. 72 p.
(RZhMat)

"Density" of zeros in Dirichlet L-series and the problem of the addition of primes and "almost primes." M. Ia. Barban. Mat. sbor. 61 no. 4 418-425 Ag '63.

SERIES, INFINITE

One class of linear summation methods. A. K. Paksiv. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 1 24-27 '63.

SERIES, ORTHOGONAL

Convergence of Laguerre, Hermite, and Jacobi orthogonal series. V. A. Medvedev. Dokl. AN SSSR 151 no. 5:1031-1034 Ag '63.

Orthogonal series not summable by linear methods. A. V. Efimov. Dokl. AN SSSR 152 no. 1:31-34 S '63.

SEROTONIN

Effect of serotonin and its antagonists on cardiac receptors [with summary in English]. A. P. Ditiov. Vrach. zap. inst. farm. i khimioter. AMN SSSR 3:247-257 '63.

Search for serotonin antagonists based on their action on cardiac receptors [with summary in English]. I. N. Pidevich. Uch. zap. inst. farm. i khimioter. AMN SSSR 3:258-264 '63.

SERPASIL see Reserpine

SERPENTINE see subdivision under Azerbaijan

SERPENTINE—TESTING see subdivision under Bug Valley

SERPOPHITE see subdivision under Caucasus

SERUM DIAGNOSIS
Diagnostic significance of Hakim's serum reaction in cancer. M IU Login, N I Mandzhuk. Vrach. delo no. 8 120-121 Ag '63.
Results of serological examination of various occupational groups of the population in western provinces of the Ukrainian S S R and detection of sporadic cases of Q fever [with summary in English]. IU. V. Martyniuk, L. O Emdina. Mikrobiol zhur. 25 no. 1 13-18 '63

SERUM SICKNESS
Changes in the spontaneous bioelectrical activity of the brain during serum sensitization [with summary in English] Kh. M. Markov. Zhur vys nerv deiat. 13 no. 2 316-325 Mr-Ap '63

SERVICE INDUSTRIES see subdivision under Uzbekistan

SERVICE INDUSTRIES—AUDITING AND INSPECTION see subdivision under Kazakhstan; Tatar A.S.S.R.

SERVICE INDUSTRIES—GUIDEBOOKS see subdivision under Leningrad

SERVICE STATIONS—EQUIPMENT AND SUPPLIES see subdivision under Novosibirsk; Rostov region

SERVOMECHANISMS
Control mechanism for steam- or air-lift drop forging hammers. I. V. Kononov, V. M. Shnelberg. [Nauch trudy] ENIKMASha 6:118-128 '63
Servomechanism in an apparatus for measuring coordinates in track photographs B. N. Moiseev, V I Litulevich, O. P. Fedotov. Prib i tekh. eksp. 8 no 3:40-48 My-Je '63.

SEVEN WONDERS OF THE WORLD
The seven wonders of the world. P. Pluksh. Nauka i rel. 4 no. 7:33-37 Jl '63.

SEVERODONETSK—SPORTS—ORGANIZATION AND ADMINISTRATION
Severodonetsk is a city of athletes. E. Pastukhov. Sov. profsoiuzy 19 no. 14:34 Jl '63.

SEVERODVINSK—COLD STORAGE WAREHOUSES
New cold storage warehouse in Severodvinsk. V. M. Sokolov. Khol. tekh. 40 no. 3:58 My-Je '63.

SEVERTSOV, ALEKSEI NIKOLAEVICH, 1866-1936
Fiftieth anniversary of A. N. Severtsov's "Essays on the theory of evolution" [with summary in English]. B. S. Matveev. Zool. zhur. 42 no. 8:1129-1134 '63.

SEVULESCU, TRAJAN, 1869-1963
Academician Trajan Sevulescu, an obituary. M. M. Pidoplichko. Mikrobiol. zhur. 25 no. 4:69-70 '63.

SEWERAGE
Concreting thin-walled structures. M F. Kadil'nikov. Transp. stroi 13 no. 6:66-67 Je '63.
Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.
Pt. 2. Sec. G. ch. 5. [Interior sewerage lines for production and service buildings of industrial enterprises; standards of design]. Vnutrennia kanalizatsiia proizvodstvennykh i vspomogatel'nykh zdanii promyshlennykh predpriiatii; normy proektirovaniia (SNIP II-G. 5-62). 1963. 14 p.

SEWING—STUDY AND TEACHING
Sewing in a preparatory group. I. Krut'ko. Doshk. vykh. 24 no. 6:10-22 Je '63.

SEWING MACHINES see subdivision under Podol'sk

SEX HORMONES see Hormones, Sex

SHADOW PANTOMINES AND PLAYS
Shadow theater. G. Genov. Doshk. vosp. 36 no. 6:41-44 Je '63.

SHADRINSK DISTRICT—STATE FARMS
Generator of the "Krasnaya Zvezda" State Farm. V. Staroverov. Mol. komm. no. 7:77-81 Jl '63.

SHAFT SINKING—EQUIPMENT AND SUPPLIES
Economic efficiency of tower headframes. B. T. IAkovlev. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 7:56-64 '63.
Methodology of studying the dynamic properties of reinforcements on electronic models. O. A. Zalesov. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 7:145-156 '63.

SHAFTING
Finding periodic motion of a rigid symmetric shaft rotating in sliding bearings near the state of equilibrium. S. P. Maksimov. Trudy LPI no. 226:18-29 '63.
Precising criteria for the centering of ship shaft lines. G. S. Manisher. Sudostroenie 29 no. 5:52-54 My '63.

SHALE
(see also subdivision under East Kazakhstan)
Effect of the heat treatment of shale on the quality of a lightweight filler. V. V. Vershinina. Trudy Alt. GMNII AN Kazakh. SSR 14:171-177 '63.

SHALE—TESTING
Analytic samples of hard fuel. K. A. Baibekov. Standartizatsiia 27 no. 7:47-48 Jl '63.

SHARKEY, LAWRENCE, 1898-
Lawrence Sharkey, Richard Dixon. Nov. vrem. 21 no. 35:23 Ag '63

SHASHKIN, ZEIN
The great duty of an artist. Kh. Adibaev Part. zhizn' Kazakh 33 no. 8 25-30 Ag '63

SHCHERBININ, ALEKSEI VASIL'EVICH, 1911-
Generous heart. B. Uspenskii. Prof.-tekh. obr. 20 no. 8:30-31 Ag '63.

SHEAR (MECHANICS)
Stability of inelastic plates allowing for deformations due to transverse shear. S. A. Ambartsumian. Prikl. mat. i mekh. 27 no. 4:753-757 Jl-Ag '63.

SHEARS (MACHINE TOOLS)
Fomenko, IU. E., M. S. Pozin, and V. M. Fainshtein. [Operator of guillotine shears] Rezchik gil'otinnykh nozhnits Moskva, Metallurgizdat, 1963 157 p.
Simulation of a system of optimum control of flying shears. IU. A Bortsov, IU. S. Usynin Izv. vys. ucheb zav., elektromekh. 6 no. 6:662-670 '63.
Simulation of the operating drive of flying shears. IU A Bortsov, IU S Shestakov. Izv vys. ucheb zav. energ 6 no 8 45-51 Ag '63.

SHEEP see subdivision under Ukraine

SHEEP—DISEASES AND PESTS
Some age-related and seasonal characteristics of the morphology of cysts of Sarcocystis tenella Railliet, 1866. N. G. Levchenko. Trudy Inst. zool. AN Kazakh SSR 19:60-64 '63.
Vesicular microflora in experimental ovinia. I. G. Levenberg. Trudy VNIIVS 14:76-77 '59.

SHEEP—PARASITES see Parasites—Sheep

SHEEP TICK—EXTERMINATION
Therapy of Melophagus infestation in sheep. N. K. Shkabrov, M. G. Khatin. Trudy VNIIVS 14:33-34 '59.
Use of chlorophos against Melophagus infestation in sheep. N. K. Shkabrov, M. G. Khatin. Trudy VNIIVS 14:31-33 '59.

SHEEPSHEARING
Unit for sheepshearing. N. Iakanov. Tekh. v sel'khoz. 23 no. 5:31-32 My '63.

SHEET-METAL WORK
Determining the magnitude of elastic springback in the rubber pad process of bending curvilinear flanges. A. D. Komarov. Kuz.-shtam. proizv. 5 no. 5:16-20 My '63.
Die stamping of parts with a local increase in sheet thickness. I. V. TSindrekht. Kuz.-shtam. proizv. 5 no. 5:47-48 My '63.
Dies for the bending of sheet steel parts. N. S. Sklarov. Kuz.-shtam. proizv. 5 no. 8:46-47 Ag '63.
High-speed motion-picture photography in investigating processes and equipment for forging and die stamping. IU. A. Miropol'skii, N. S. Varlamov. Kuz.-shtam. proizv. 5 no. 5:43-47 My '63.
Review by I. S. Volkov and G. N. Rovinskii on V. I. Kukhtarov's book "Sheet-metal work." Kuz.-shtam. proizv. 5 no. 7 46-47 Jl '63.
Universal die for determining conditions for stretch forming. S. T. Basiuk. Kuz.-shtam. proizv. 5 no. 5: 21 My '63.

SHEET-METAL WORK—SAFETY MEASURES
Review by S. L. Zlotnikov and G. N. Rovinskii of M. M. Tomarov's book "Safety measures in sheet metal die stamping." Kuz.-shtam. proizv. 5 no. 7:45-46 Jl '63.

SHEET METAL WORKING MACHINERY
Using pneumatic elements in sheet metal working dies. A. S. Degterev, N. V. Shcherbakov. Kuz.-shtam. proizv. 5 no. 7:41-44 Jl '63.
Utilizing the peculiarities of a crank-connecting rod mechanism. L. G. Konev. Kuz.-shtam. proizv. 5 no. 7:15-18 Jl '63.

SHEET PILING
Use of reinforced concrete T-sheet piling in cohesive ground. I. E Alperin, V. E. Kozlov. Transp stroi. 13 no. 7 20-22 Jl '63.

SHEET STEEL
Pneumoelectromagnetic loader of sheet steel. IA. N. Livshits, I. N. Ovchinnikov, I. I. Pinson. Sudostroenie 29 no. 5:49-51 My '63.

SHELL MOLDING (FOUNDING)
Koretkov, A. I., and A. M. Polevaia. [Casting into shell molds] Lit'e v obolochkovye formy. Moskva, Mashgiz, 1963. 299 p (Inzhenernye monografii po liteinomu proizvodstvu)
Obtaining intricate, thin-walled titanium parts by casting in shell molds. IU P. Gavrilenko, IU. N. Cherednichenko, L. S. Ulitko Titan i ego splavy no 9:270-273 '63.

SHELL ROOFS see Roofs, Shell

SHENNIKOV, ALEKSANDR PETROVICH, 1888-1962
Aleksander Petrovich Shennikov Trudy Bot. inst. Ser. 3 no. 14:3-5 '63

SHER'YA—BANKS AND BANKING
The main branch and summing up a business year on collective farms. L. Perminov. Den. i Fred. 21 no. 8 62-63 Ag '63.

SHER'YA DISTRICT—COLLECTIVE FARMS—AUDITING AND INSPECTION
The main branch and summing up a business year on collective farms. L. Perminov. Den. i Fred. 21 no. 8 62-63 Ag '63.

SHEVCHENKO, TARAS, 1814-1861
Our bard continues his struggle Ukraina no 19:10 Ag '63.
Shevchenko museum in a school. I. I. Shavlovs'kyi. Rad. shk. 42 no. 8:88-92 Ag '63.

SHEVCHENKO, TARAS, 1814-1861—BIBLIOGRAPHY see Bibliography—Shevchenko, Taras, 1814-1861

SHEVCHENKO DISTRICT—GRAY MULLETS
Possibilities for a greater catch of Caspian gray mullet in Shevchenko District U. Konarbaev, D Amangaliev Trudy Inst. ikht i byb khoz. AN Kazakh SSR 1:167-169 '63

SHEVIAKOV, LEV DMITRIEVICH, 1892-1963
Lev Dmitrievich Sheviakov, obituary. Gor. zhur no 8 76 Ag '63.

SHIDERTY VALLEY—POLLEN, FOSSIL
Palynological characteristics of Quaternary sediments from the Shiderty Valley. E. V. Chalykh'ian. Mat. po ist. fauny i flory Kazakh. 1:238-243 '63.

SHIELDING (ELECTRICITY)
Averaged boundary conditions on the surface of a grid with quadratic cells. M. I. Kontorovich. Radiotekh. i elektron. 8 no. 8 1506-1515 S '63.
Expediency of the use of a two-layer iron-permalloy magnetic screen. A. A. Preobrazhenskii. Priborostroenie no. 9,27 S '63.

SHIFT SYSTEMS
Schedule which makes workers' labor easier. I. Gandurin. Sots. trud 8 no. 6:20-27 Je '63.

SHILLING, PAVEL L'VOVICH, 1786-1837
P. L. Shilling's oriental studies. A. V. IAroteki. Och. po ist. rus vostokoved. no 6 218-253 '63

SHIP HANDLING
Ship handlers of local and harbor craft should have the training of a mechanic. A. Mikheev. Mor. flot 23 no. 5:14-15 My '63.

SHIP MODELS—TESTING
Results of investigating the propulsive speed and seaworthiness of ships with bulging outlines. Z. V. Bogdanova and others. Trudy TSNIIMF no. 15:27-37 '63.

SHIP PROPULSION
Driven by waves. G. Pavlenko. Tekh. mol. 30 no. 11: 30-32 '62.
Increasing the speed of propulsion of seagoing cargo ships. I. V. Vinogradov. Trudy TSNIIMF no. 45:30-44 '63.

SHIP PROPULSION—TABLES, CALCULATIONS, ETC.
Calculating the safe speed of ship propulsion in shallow waters. A. Polumin. Rech. transp. 22 no. 6:39-41 Je '63.

SHIP PROPULSION, ELECTRIC
Automatic control of the propulsion system on the diesel-electric motorship "Amguema" A. Neupokoev. Mor. flot 23 no. 5:23-26 My '63.

SHIP RESISTANCE
"Dead water" in oceans. E. A. Nikitina. Priroda 52 no. 8:91-93 Ag '63.

SHIP TRIALS
Analysis of engine performance on "Vasil' Kolarov"-type ships with different propellers. N. I. Khudov. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:32-42 '62.

SHIPBUILDING
(see also subdivision under Canada; France; Germany, West; Hungary; Leningrad; Leningrad Economic region; Leningrad Province; Nikolayev Province; Norway; Ukraine, United States; Yugoslavia)
Brief news from foreign countries. Mor. flot 23 no. 5: 40 My '63.

SHIPBUILDING (Continued)

Reducing the number of final documents for new ships being built L.IA. Pozin. Sudostroenie 29 no 5,45 My '63

Unification in the design and construction of ships. S. Bronshtein. Rech. transp. 22 no. 7 25-26 Jl '63.

SHIPBUILDING—BIBLIOGRAPHY *see Bibliography—Shipbuilding*

SHIPBUILDING—CONGRESSES

Conference on providing for the technological efficiency of the repair of new ships during their design and construction. Sudostroenie 29 no 5:67-68 My '63

Fourth Plenum of the Central Administration of the Scientific Technological Societ, for Shipbuilding. Sudostroenie 29 no. 5,69 My '63

Immediate objectives of river craft shipbuilding M.G. Shmakov. Sudostroenie 29 no. 5 69-70 My '63.

SHIPBUILDING—PERIODICALS see subdivision under Bulgaria

SHIPBUILDING—SAFETY MEASURES

Iskra, E. V. [Safety measures during painting operations in shipbuilding] Tekhnika bezopasnosti pri maliarnykh rabotakh v sudostroenii. Leningrad, Sudpromgiz, 1963. 86 p. (Bibliotechka po tekhnike bezopasnosti)

SHIPBUILDING MATERIALS

New deck covering V TSarinnikov, V. Gritsai Mor flot 23 no 6 20 Je '63.

New heat insulating material "Asboteploizol" for the shipbuilding industry. N.T. Dodonov. Sudostroenie 29 no. 5:37-38 My '63.

SHIPFITTING

Anchoring pillar ends. M. N. Epshtein Sudostroenie 23 no. 7.62-64 Jl '63.

New method of testing ship metal structures for tightness. T.G Kravtsov. Sudostroenie 29 no. 5 52 My '63.

SHIPFITTING—EQUIPMENT AND SUPPLIES

Mechanizing the assembly of hull structures with the help of hydraulic turnbuckles I. I. Pinson, A. V. Nikolaev Sudostroenie 29 no 5,48-49 My '63.

SHIPPING

(see also subdivision under Indonesia)

Responsibility for the nonfulfillment of the transportation plan for export and import cargoes IA Fridenshtein Mor. flot 23 no 6:10-11 Je '63.

SHIPPING—ABSTRACTS

[Water transportation] Ref. zhur.: Vod. transp. no. 9 S '63

SHIPPING—STATISTICS

Results of carrying out the April-May plan of cargo transportation and handling. Rech. transp. 22 no. 6:4 Je '63.

SHIPS

(see also subdivision under Byzantin Empire)

Standardization of river ships is an important objective of the national economy. M. A. Belotserkovskii. Standartizatsiia 27 no. 7:48-50 Jl '63.

SHIPS—CARGO

International regulations on the transportation of dangerous cargoes by sea V. Kraev Mor flot 23 no 6:36-37 Je '63.

SHIPS—ELECTRIC EQUIPMENT

Aleshin, N. I., and F. S. Davidovich. [Loading devices for testing naval generators] Nagruzochnye ustroistva dlia ispytaniia sudovykh generatorov. Leningrad, Sudpromgiz, 1963. 82 p.

SHIPS—EQUIPMENT AND SUPPLIES

(See also subdivision under Great Britain)

Unification in the design and construction of ships. S. Bronshtein. Rech. transp. 22 no. 7:25-26 Jl '63.

SHIPS—FIRES AND FIRE PREVENTION

Abolition of the steam smothering system in fuel tanks. L. V. Rikunov. Sudostroenie 29 no. 5:15 My '63.

Advisability of using steam smothering systems on freighters. V. D. Burlak. Sudostroenie 29 no. 5:16-17 My '63.

SHIPS—HEATING AND VENTILATION

Laboratory for the study of microclimate in ship spaces. A. E. Pass, V. E. Stetsiuk. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:83-86 '62.

SHIPS—HYDRODYNAMICS

Fate of the telephotorecorder. V. Glebov. Tekh. mot. 30 no. 11:31-32 '62.

When will ships overcome the wave barrier? G. Smirnov. Izobr. i rats. no. 7:17-20 '63.

SHIPS—LIFTING DEVICES

Design of inclined boat lifters. B. S. Malevanchik. Transp. stroi 13 no. 7:22-26 Jl '63.

SHIPS—MAINTENANCE AND REPAIR

Birlak, V. S. [Repair shops aboard ships] Sudovye masterskie. Leningrad, Sudpromgiz, 1963. 138 p.

Economic efficiency of electric arc metal cladding in ship repairs. A. G. Gromyko, IU. A. Nesvetaev. Sudostroenie 29 no. 7:51-52 Jl '63.

Eight navigation seasons without the necessity of medium-type repairs. N. Vakulov Rech. transp 22 no 6:16 Je '63

[Handbook on ship repairs in two volumes] Spravochnik po remontu sudov v dvukh tomakh. Pod obshchei red M. I Chernova. Moskva, Izd-vo "Rechnoi transport," Vol. 2. 1963. 600 p.

Improving methods of planning and record keeping in ship repairs. E. I. Futter. Sudostroenie 29 no. 7: 53-55 Jl '63.

Improving the planning of ship repair enterprises. G. El'kinbard. Mor flot 23 no. 5-30-31 My '63.

Innovators in ship repair plants. Mor. flot 23 no. 5-43 My '63.

Potentialities of a plant. A. Kurochkin, A. Il'ichev. Rech transp 22 no 6:25 Je '63.

Seminar of electric power engineers. Biul. tekh.-ekon inform Tekh upr Min mor flota 7 no 11 57-58 '62.

Ship repair workers are waiting for electrodes. Mor. flot 23 no 5-34 My '63.

Technical operation of ships to meet modern objectives. A. Videtskii. Rech transp 22 no. 6:1-3 Je '63.

Useful book. I. Kotel'. Rech. transp. 22 no. 6:49 Je '63

Ways of expanding the ship repair base of the Ministry of the River Fleet. N. Belov. Rech. transp. 22 no. 7.21-22 Jl '63.

SHIPS—PAINTING

Iskra, E. V. [Safety measures during painting operations in shipbuilding] Tekhnika bezopasnosti pri maliarnykh rabotakh v sudostroenii. Leningrad, Sudpromgiz, 1963. 86 p. (Bibliotechka po tekhnike bezopasnosti)

Iskra, E. V., and E. S. Gurevich. [Modern ship paints; a review] Sovremennye sudovye kraski, obzor Leningrad (Leningradskii dom nauchno-tekhnicheskoi propagandy Seriia, Zashchitnye pokrytiia) Pts. 1-2 1963

SHIPS—SPEED

Cylindrical probe for measuring low speeds of ships. S. V. Ryzhkov. Sudostroenie 29 no. 7:60-61 Jl '63.

SHIPS—WELDING

Vaĭnerman, A. E. [Welding of hull structures in a carbon dioxied atmosphere] Svarka korpusnykh konstruktsii v srede uglekislogo gaza. Leningrad, Sudpromgiz, 1963. 147 p.

SHIPS, CONCRETE

Ways of improving the construction of section joints in reinforced concrete ships. A. M. Chizhov. Sudostroenie 29 no. 5:54-56 My '63.

SHIPS' LIGHTS

New lighting equipment. V. A. Soldatenko, I. M. Fundyler. Sudostroenie 29 no. 7:62 Jl '63.

SHIPYARDS—EQUIPMENT AND SUPPLIES

Conference on problems of over-all mechanization in the building of ship hulls. L. M. Bystrevskii. Sudostroenie 29 no. 5:58-59 My '63.

SHMALEV, TIMOFEI IVANOVICH, 1736-1789

Literary heritage of Timofei Ivanovich Shmalev, a student of the local history of the Siberian Far East. M. O. Kosven. Probl istoch. no. 11:196-208 '63.

SHOCK

Treatment of shock by inhibition of vasoconstriction [with summary in English] M. J. Nickerson. Uch zap inst. farm. i khimiotер. AMN SSSR 3:186-199 '63.

SHOCK ABSORBERS

Determining the mass of the shock absorber of the loom picking mechanism. P. I. Tesel'kin. Izv. vys. ucheb. zav., tekh. tekst. prom. no 2:149-152 '63.

Principles for designing pneumatic shock absorbers for vibratory machines. V. N. Poturaev, V. P. Franchuk. Vop. rud. transp. no. 7:141-150 '63.

SHOCK TUBES

Rakhmatullin, Kh. A., and S. S. Somenov, eds. [Shock tubes] Udarnye truby; sbornik statei. Moskva, Izd-vo inostr. lit-ry, 1962. 699 p.

SHOCK WAVES

Destruction shock wave in brittle media. Kh. M. Aliev. Dokl. AN SSSR 151 no. 1:80-83 Jl '63.

Detonation waves in gases. R. I. Soloukhin. Usp. fiz. nauk 80 no. 4:525-551 Ag '63.

Interaction of perturbations and a shock wave in uniform nonsteady gas flow. Zh. S. Stalian. PMTF no. 3:153-155 My-Je '63.

Measuring the time of establishment of an equilibrium concentration of electrons behind a shock wave in the air. T. V. Bazhenova, IU. S. Lobastov. Dokl. AN SSSR 151 no. 3:519-521 Jl '63.

Pressure measurement in a transverse spin wave. V. V. Mitrofanov, V. A. Subbotin, M. E. Topchiian. PMTF no. 3:45-48 My-Je '63.

Similarity of compression waves in underground explosions. B. G. Rulev. PMTF no. 3:91-98 My-Je '63.

Some data on the study of conditions for exciting transverse waves. N. N. Puzyrev, T. M. Bakharevskaia. Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR no. 16:182-200 '62.

Structural stability of a shock wave [illegible] a magnetic field in a rarefied plasma. [illegible] R. Z. Sagdeev. Zhur. tekh. fiz. [illegible] '63.

Theory of linear three-dimensional [illegible] tion problems and some nonlinear problems. [illegible] Filippov. Prikl. mat. i mekh. 27 no. [illegible] '63.

Waves in the surface region of a half-space [illegible] in contact explosions. V. D. Ajchenmans [illegible] no. 3:100-107 My-Je '63.

SHOE INDUSTRY see subdivision under Mexico

SHOE INDUSTRY—TECHNOLOGICAL [illegible] subdivision under Lvov

SHOE MANUFACTURE—EQUIPMENT AND [illegible]

Volob'eva, A. A., and N. D. Zakatova [illegible] study of materials used for footwear [illegible] Materialovedenie obuvnogo proizvodstva [illegible] per., i dop. Moskva, Gizlegprom, [illegible] (Uchebniki i uchebnye posobiia dlia [illegible] chikh *massovykh* professii)

SHOLOKHOV, MIKHAIL ALEKSANDROVICH, [illegible]

M. A. Sholokhov during the Great Patriotic [illegible] A. Khvatov. Zvezda no. 6:182-191 Je '63.

Maslin, N. N. [Sholokhov's novels] Romany [illegible] Moskva, Izd-vo Akad. nauk SSSR, 1963. [illegible]

SHOOTING CONTESTS

Analysis of the preparation for small-bore [illegible] firing from a standing position of the [illegible] Soviet Olympic Team. T. D. Khokhlachev [illegible] Gruz. gos. inst. fiz. kul't. 6:215-219 '62.

SHORT STORIES, AUSTRALIAN

Progressive Australian novella. V. Ilubin [illegible] no. 7.190-191 Jl '63.

SHORTWAVE RADIO see Radio, Shortwave

SHOSTKA—MEDICAL CARE

Medical service for the population. N. A. [illegible] Kudelia. Vrach. delo no. 8:102-104 Ag '63.

SHOULDER

Morphology of the shoulder and hip joints [illegible] rary and Neanderthal man. E. N. Khukhareva [illegible] Maliavskaia. Vop. antr. no. 12.18-30 '63.

SHOULDER JOINT—DISEASES

Prophylaxis and treatment of contractures [illegible] der joint in an algetic syndrome by means of [illegible] nastics. P. N. Gorshkovich, A. D. Treguboff [illegible] kur. fiziotер. i lech. fiz. kul't. 28 no. 3 [illegible] '63.

SHRIMPS see subdivision under Black Sea

SHUKHOV, VLADIMIR GRIGOR'EVICH, 1853-1939

Noteworthy dates in science and technology [illegible] proizv. 7 no. 8:94-96 Ag '63.

SHUMKOVO REGION (PERM PROVINCE)—GEOLOGIC, STRATIGRAPHIC

Facies of terrigenous spits in Kungurian [illegible] ments of the cis-Ural trough in the area of [illegible] vo salt deposit. A. A. Oborin. Dokl. AN [illegible] no. 3:659-662 Jl '63.

SHURCHI DISTRICT—COTTON GROWING

Initiators of efficient work. N. Kabulov Partiia [illegible] (Uzb.) 6 no. 7:64-65 Jl '63.

SHUTTERS, PHOTOGRAPHIC

Efficient exposure time for high-speed motion [illegible] cameras. G. L. Belinskaia. Zhur. nauch. i prikl. [illegible] kin. 8 no. 6:370-374 S-O '63.

SIBAY REGION—MINE HAULAGE

Combination truck and rail transportation in [illegible] pit. M-G. K. Bikchentaev and others. [illegible] no. 8:40-42 Ag '63.

SIBERIA—CARBONATITES

Hatchettolite from carbonatites of Siberia. V. S. Il'kova, L. I. Polupanova, T. I. Stollarova. Min. sbor. no. 7:86-95 '63.

SIBERIA—CLAY

Solubility of clays in acids and the pH of clays [illegible] Khodalevich, L. G. Sakovich, O. K. Ovechkina [illegible] 111:81-82 '61.

SIBERIA—ECONOMIC RESEARCH

New development in coordinating research in the [illegible] ics of eastern regions. V. Fomin, V. Perevedentsev. Vop. ekon. no. 9:153-156 S '63.

SIBERIA—ETHNIC TYPES

Some problems of ethnic anthropology in Northern Siberia. M. G. Levin. Vop. antr. no. 12:118-121 '62.

SIBERIA—FARM MANAGEMENT RESEARCH

Methods for economic evaluation of the structure of crop acreages and rotations on state and collective farms [with summaries in English, German, and French]. M. I. Tikhomirov. Vest. sel'khoz. nauki no. 4:121-127 Ap '63.

SIBERIA—FOLKLORE

History of folklore study in Siberia during the second half of the 19th century. IA. R. Koshelev. Uch. zap. TGPI 29 no. 2:181-189 '62

SIBERIA—FOREST MANAGEMENT

Organization of forest management in multipurpose Siberian pine forests. N. M. Shcherbakov. Trudy Inst. lesa i drev. 66:51-60 '63.

SIBERIA—FORESTS AND FORESTRY

Nauchnaia konferentsiia, posviashchennaia izucheniiu lesov Sibiri i Dal'nego Vostoka, Krasnoiarsk, 1962. [Materials on the study of forests of Siberia and the Far East] Materialy po izucheniiu lesov Sibiri i Dal'nego Vostoka, trudy konferentsii. Krasnoiarsk, Akad. nauk SSSR, 1963. 369 p.

SIBERIA—FORESTS AND FORESTRY—ECONOMIC ASPECTS

Profitableness of commercial hunting in mountain Siberian pine forests of southern Siberia. G. A. Sokolov. Trudy Inst. lesa i drev. 66:61-67 '63.

SIBERIA—FORESTS AND FORESTRY—VALUATION

Classification scale for Siberian pine stands. L. F. Lebkov, I. V. Semechkin. Trudy Inst. lesa i drev. 66: 19-28 '63.

SIBERIA—GAME AND GAME BIRDS—ECONOMIC ASPECTS

Profitableness of commercial hunting in mountain Siberian pine forests of southern Siberia. G. A. Sokolov. Trudy Inst. lesa i drev. 66:61-67 '63.

SIBERIA—GRAIN

Planting winter crops on stubble. I. V. Borzakovskii. Zemledelie 25 no. 7:11-19 Jl '63.

SIBERIA—GRAIN—HARVESTING

Technology and machinery system for harvesting grain in Siberia. P. N. Fedoseev. Mekh. i elek. sots. sel'khoz. 21 no. 4:11-13 '63.

SIBERIA—HATCHETTOLITE—ANALYSIS

Hatchettolite from carbonatites of Siberia. V. S. Claidukova, L. I. Polupanova, T. I. Stoliarova. Min. syr'ia no. 7 86-95 '63.

SIBERIA—HEALTH RESORTS, WATERING PLACES, ETC.

"Health resorts, sanatoriums and rest homes in Siberia" by A. S. Shmitkova. Reviewed by A. M. Dikovskii. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:464-466 S-O '62.

SIBERIA—HEALTH RESORTS, WATERING PLACES, ETC.—CONGRESSES

Scientific and Practical Conference of Physicians of the Health Resorts and Sanatoriums of the Urals, Siberia and the Far East. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:469-472 S-O '62.

SIBERIA—INDUSTRIES

News story from the "future cities" of our land. IU. Kotliarov. Mol. komm. no. 7:71-76 Jl '63.

SIBERIA—PINE

Classification scale for Siberian pine stands. L. F. Lebkov, I. V. Semechkin. Trudy Inst. lesa i drev. 66: 19-28 '63.

Organization of forest management in multipurpose Siberian pine forests. N. M. Shcherbakov. Trudy Inst. lesa i drev. 66:51-60 '63.

SIBERIA—REVOLUTION, 1917-1921

Brief news. Vop. ist. KPSS 7 no. 8:157-156 Ag '63.

SIBERIA—SEASONS

Determination of seasonal boundaries for the lower reaches of Arctic rivers. V. S. Antonov. Probl. Arkt. i Antarkt. no. 13:13-18 '63.

SIBERIA—UNIONIDAE, FOSSIL

Former distribution of naiads in Siberia and Kazakhstan. V. V. Bogachev. Mat. po ist. fauny i flory Kazakh. 4: 211-217 '63.

SIBERIA, EASTERN—BIBLIOGRAPHY

First major work on the bibliography of Eastern Siberia. A. B. Sov. bibl. no. 4:62-68 '63.

SIBERIA, EASTERN—RAILROADS—MAINTENANCE AND REPAIR

Collective of the Eastern Siberian Railroad struggles to achieve an exemplary main line. B. K. Salambekov. Zhel. dor. transp. 45 no. 7:8-10 Jl '63.

SIBERIA, WESTERN—BOTFLIES—EXTERMINATION

Use of aerosols in controlling sheep botflies. G. I. IAnovich. Trudy VNIIVS 14:5-6 '59.

SIBERIA, WESTERN—GEOLOGY, STRUCTURAL

Characteristics of the second structural stage of the southern part of Western Siberia based on geological and geophysical data. I. K. Tuezov. Trudy SNIIGGIMS no. 27:7-24 '62.

SIBERIA, WESTERN—HEATHER

Some ecological and phytocoenotic characteristics of common heather (Calluna vulgaris Hill.) at the eastern border of its range. IU. A. Zlobin, N. A. Khramchenko. Nauch. dokl. vys. shkoly; biol. nauki no. 3:125-130 '63.

SIBERIA, WESTERN—HISTORICAL RESEARCH

A conference in Novosibirsk. M. M. Shornikov. Vop. ist. KPSS 7 no. 8:152-153 Ag '63.

SIBERIA, WESTERN—MICA—ANALYSIS

Chemical composition of lithium micas from methasomatically altered granites. A. A. Sitnin, I. S. Razina. Geokhimiia no. 7:695-690 Jl '63.

SIBERIA, WESTERN—PALEOGEOGRAPHY

Traces of a powerful flow in river valleys of the southern part of Western Siberia. I. A. Volkov. Dokl. AN SSSR 151 no. 3 646-651 Jl '63.

SIBERIA, WESTERN—PARASITES—SHEEP

Use of aerosols in controlling sheep botflies. G. I. IAnovich. Trudy VNIIVS 14:5-6 '59.

SIBERIA, WESTERN—RAILROADS—EMPLOYEES

The workers of the Western Siberian Railroad are competing for the right to be called "an enterprise of communist labor." B. K. Salambekov. Elek. i tepl. tiaga 7 no. 5:1-4 Je '63.

SIBERIA, WESTERN—RAILROADS—MAINTENANCE AND REPAIR

Our methods of track maintenance in a coal handling heavy traffic section. N. P. Chagin. Put' i put. khoz. 7 no. 8 8-11 '63.

Provide for a safe track for heavy trains. V. M. Sadof'ev. Put' i put. khoz. 7 no. 8 12-13 '63

Section with an excellent track. Put' i put. khoz. 7 no. 8 35-37 '63

Striving to achieve excellent track maintenance on every kilometer. V. M. Kombarov. Put' i put. khoz. 7 no. 8 6-7 '63

SIBERIA, WESTERN—RAILROADS—MANAGEMENT

We are striving to improve qualitative indices. I. Korenkov. Fin. SSSR 37 no. 8:49-50 Ag '63.

SIBERIA, WESTERN—RAILROADS—TECHNOLOGICAL INNOVATIONS

The Western Siberia Railroad is an immense creative laboratory. A. A. Inozemtsev, V. G. Al'brekht. Put' i put. khoz. 7 no. 8 3-4 '63.

SIBERIA, WESTERN—RAILROADS—TRACK

We have an efficient way to conduct track overhauling operations. A. G. Tomilov. Put' i put. khoz. 7 no. 8 25 '63

SIBERIA, WESTERN—TRADE UNIONS

Akulov, M. R., and A. S. Moskovskii. [Trade unions of Western Siberia] Profsbiuzy Zapadnoi Sibiri. [Moskva] Profizdat, 1962. 141 p. (CSt-H)

SIBERIAN PLATFORM—GASTROPODA, FOSSIL

Cambrian Gastropoda of the Siberian Platform and Taymyr Peninsula. V. A. Vostokova. Sbor. st. po paleont. i biostrat. no. 23:51-74 '62.

SIBERIAN PLATFORM—TETRACORALLA

Devonian fauna in the Silurian of the Siberian Platform. A. B. Ivanovskii. Trudy SNIIGGIMS no. 23:120-125 '62.

SICILY—MAFIA

Borkin, A. S., and B. I. Brodskii. [Mafia] Mafiia. Moskva, Izd-vo "Znanie," 1963. 79 p. (Prochti, tovarishch!)

SIDERITE see subdivision under Daghestan

SIDERITE CRYSTALS see subdivision under Transbaikalia

SIERAKOWSKI, ZYGMUNT, 1826-1863

Outstanding Polish revolutionary and democrat; on the centenary of Zygmunt Sierakowski's tragic death. H. I. Marakhov. Ukr. ist. zhur. 6 no. 3:115-116 My-Je '63.

SIKHOTE-ALIN RANGE—METEORITES

Twinning and annealing of nonequilibrium iron-nickel alloy of the Sikhote-Alin iron meteorite. R. I. Garber, I. A. Gindin, L. A. Chirkina. Meteoritika no. 23:45-55 '63.

SILANE

Addition of silane hydrides to unsaturated nitro compounds and the synthesis of nitroalkyl siloxanes. S. S. Novikov, V. V. Sevost'ianova. Izv. AN SSSR, Ser. khim. no. 9:1641-1645 S '63.

Interaction of hydrogen chloride, tetra-n-butyl ammonium chloride with trimethylchlorosilane in benzene solutions. I. P. Gol'dshtein and others. Izv. AN SSSR, Ser. khim. no. 9:1683-1685 S '63.

Reactions of tetrakis (methylphenylsiloxanohydroxy) titaniums and silanes with trimethyl- and triphenylchlorosilanes. K. A. Andrianov, M. A. Sipiagina, T. I. Fridshtein. Izv. AN SSSR, Ser. khim. no. 9:1672-1675 S '63.

SILICATES

Conference on Silicates. I. A. Bondar', V. V. Moiseeva. Vest. AN SSSR 33 no. 9:77-78 S '63.

Organic derivatives of silicates with laminated structure. E. V. Kukharskaia, A. D. Fedoseev. Usp. khim. 32 no. 9:1113-1123 S '63.

Research work on the chemistry and technology of silicates in 1936-1956. M. A. Bezborodov, L. IA. Mazeluv, L. A. Zhunina. Sbor. nauch. trud. Bel. politekh. inst. no. 56:91-116 '57.

SILICIC ACIDS

Infrared spectra of rare earth oxyorthosilicates. A. N. Lazarev and others. Izv. AN SSSR, Ser. khim. no. 7. 1220-1226 Jl '63.

SILICON

Anisotropic electron scattering in Ge and Si. I. V. Dakhovskii. Fiz. tver. tela 5 no. 8:2332-2338 Ag '63.

SILICON—ANALYSIS

Benzidine method for determining silicon in some organosilicon compounds. A. P. Kreshkov, L. V. Myshliaeva, V. V. Krasnoshchekov. Zav. lab. 29 no. 8:924-926 '63.

SILICON—ELECTRIC PROPERTIES

Current carrier recombination on zinc atoms in p-type silicon. K. D. Glinchuk, A. D. Denisova, N. M. Litovchenko. Fiz. tver. tela 5 no. 7:1933-1935 Jl '63.

SILICON—SPECTRA

Photoconductivity spectra of n-type silicon irradiated by fast electrons. V. D. Tkachev, A. F. Plotnikov, V. S. Vavilov. Fiz. tver. tela 5 no. 7:1826-1829 Jl '63.

SILICON ALLOYS—TESTING

Kinetics of the heterogenous reaction between silicon melts and a mixture of hydrogen vapor and helium vapor. IU. M. Shashkov, Lian TSin-u [Liang Ch'ing-wu]. Izv. vys. ucheb. zav.; chorn. met. 6 no. 7:27-32 '63.

SILICON CARBIDE

Electron emission from p-n junctions in SiC produced by nitrogen diffusion. I. Fridel', G. F. Kholuianov. Fiz. tver. tela 5 no. 7:1940-1945 Jl '63.

Mortar for crushing solid crystals. A. N. Shteinberg. Zav. lab. 29 no. 8:1013-1014 '63.

SILICON COMPOUNDS

Vesler, L., T. Sdobnova, and Ch. Sobolevskii. [Use of organosilicon compounds in the bakery industry] Primenenie kremniiorganicheskikh soedinenii v khlebopekarnoi promyshlennosti, pishchevaia promyshlennost', Riga, TSentr. biuro tekhn. informatsii, 1962. 22 p. [MICROFILM]

SILICON COMPOUNDS—NOMENCLATURE

Nomenclature of silicon-containing inorganic heterocycles. Ionel Khaiduk, K. A. Andrianov. Izv. AN SSSR, Ser. khim. no. 9:1537-1544 S '63.

SILICON-COPPER ALLOYS—METALLOGRAPHY

Rate of cooling silicon-copper alloys. D. I. Lainer and others. TSvet. met. 36 no. 8:76-79 Ag '63.

SILICON CRYSTALS—DEFECTS

Disorientation and some other defects in silicon single crystals grown by Czochralsky's method. M. G. Milvidskii. Fiz. tver. tela 5 no. 8:2102-2104 Ag '63.

SILICON DIODES see subdivision under United States

SILICON-IRON ALLOYS see Iron-silicon alloys

SILICON-MANGANESE ALLOYS see Manganese-silicon alloys

SILICON ORGANIC COMPOUNDS

Benzidine method for determining silicon in some organosilicon compounds. A. P. Kreshkov, L. V. Myshliaeva, V. V. Krasnoshchekov. Zav. lab. 29 no. 8:924-926 '63.

Determination of nitrogen-containing organosilicon compounds in the air. F. D. Krivoruchko. Zav. lab. 29 no. 8:927-928 '63.

New eight-membered cyclosilazoxanes. K. A. Andrianov, Ionel Khaiduk, L. M. Khananashvili. Izv. AN SSSR, Ser. khim. no. 9:1701-1702 S '63.

Organic derivatives of silicates with laminated structure. E. V. Kukharskaia, A. D. Fedoseev. Usp. khim. 32 no. 9:1113-1123 S '63.

Polymerization of octamethylcyclotetrasiloxane under the effect of acid catalysts [with summary in English]. E. V. Kogan and others. Vysokom. soed. 5 no. 8:1183-1189 Ag '63.

Polymerization of some vinyl monomers initiated by complexes of potassium silanolates with Lewis bases [with summary in English]. M. Kuchera. Vysokom. soed. 5 no. 8:936-945 Je '63.

Tetramethyldi-n-propyldisilyl amine and n-propyldimethylsilanol. A. K. Gorban'. Izv. AN SSSR, Ser. khim. no. 7:1333-1334 Jl '63.

SILICON ORGANIC COMPOUNDS—ELECTRIC PROPERTIES

Relative electronegativity of germanium and silicon in organic compounds. V. F. Mironov, A. L. Kravchenko. Izv. AN SSSR, Ser. khim. no. 9:1563-1570 S '63.

SILICON OXIDE CRYSTALS

New stock of silicon oxide and close radicals infinite in one dimension. N. V. Belov. Kristallografiia 8 no. 4: 587-594 Jl-Ag '63.

SINTERING

Calculation of sinter charge for fully fluxed sinters [illegible] I. L. Malin. Stal' 23 no. 8 690-695 Ag '63.

Intensifying the sintering process by air preheating and [illegible] increasing the performance of exhaust fans. I. V. Ryabov and others. Stal' 23 no. 8 679-682 Ag '63.

Pritsyn, D. P., and A. V. Dumbo. [Modernizing the sintering department of the "Zaporozhstal'" Plant] Rekonstruktsiia aglomeratsionnoi fabriki zavoda Zaporozhstal'." Moskva, Metallurgizdat, 1963. 94 p.

Slag formation in bauxite sintering furnaces. M. Z. Pliushkin, T. I. Litvinova, F. F. Bakhturina. TSvet. met. 36 no. 8 87-89 Ag '63.

SIZING (TEXTILE)

Experiment in the use of "Carbazon O" preparation. N. V. Egorov, N. A. Sokolova, A. Z. Chernomordik. Tekst. prom. 23 no. 8 74-76 Ag '63.

Role of fatty admixtures in sizing. P. A. Isienf'ev. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2 92-96 '63.

Use of polyacrylamide for the sizing of wool warp. A. A. Azzuragov, N. D. Veselova. Tekst. prom. 23 no. 8 55-56 Ag '63.

SKIN

Structure of the integument in animals of various constitutional types [with summaries in English, German, and French]. Iu. D. Ruban. Vest. sel'khoz. nauki 8 no. 4 63-66 Ap '63.

SKIN—DISEASES

(see also subdivision under Kirghizistan; Moldavia)

Use of hydrocortisone ointment in some dermatoses of the external ear. V. B. Brodie. Vest. otorin. no. 1 10-12 '63.

Zonal ultraviolet irradiation in some dermatoses. P. I. Golemba. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2. 143-146 Mr-Ap '63.

SKIN—TUBERCULOSIS

Venereol, I. B. [Skin tuberculosis; clinical aspects and treatment] Tuberkulez kozhi, klinika i lechenie. Kiev, Gosmedizdat USSR, 1963. 184 p. (DNLM)

SKIN GRAFTING

Problem of the choice of a method for replacing defective skin in newborn infants. F. I. Kaipov, A. IA. Shamis. Zdravookhranenie 6 no. 1:41-44 Ja-F '63.

SKIS AND SKIING

[Alpine ski sport, a manual for trainers] Gornolyzhnyi sport, uchebnoe posobie dlia trenerov. Moskva, Izd-vo "Fizkul'tura i sport, 1963. 269 p.

SKULL

Some functional characteristics of a crocodile skull. N. N. Iordanskii. Nauch. dokl. vys. shkoly; biol. nauki no. 3 42-46 '63.

SKULL—WOUNDS AND INJURIES

Craniocerebral trauma and its significance in the genesis of vascular diseases. A. T. Maslov, L. G. Urisova, G. K. Zaurov. Trudy 1-go MMI 21 147-154 '63.

Penetrating knife wound of the skull and brain. A. N. Solomin. Kaz. med. zhur. no. 3 90 My-Je '63.

SLAG

Behavior of the basic components of blast furnace slags during their hydrochemical processing. A. R. Rakhimov, V. D. Ponomarev, L. P. Ni. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3 111-115 '63.

Production of mineral fertilizers from open-hearth furnace slag. V. E. Sidak. Stal' 23 no. 8 766-767 Ag '63.

Slag conditions during melting in high-capacity open-hearth furnaces. V. A. Shenerbakov, E. V. Abrosimov. Izv. vys. ucheb. zav., chern. met. 6 no. 7 59-64 '63.

Treatment of slags from the first period of converting complex metal mattes. E. K. Diulsekin, M. A. Abdeev, M. D. Primbetov. Trudy Alt. GMNII AN Kazakh. SSR 14 23-29 '63.

SLAG—ANALYSIS

Effect of the addition of coke on the composition and yield of converter slags. E. K. Diulsekin and others. Trudy Alt. GMNII AN Kazakh. SSR 14:104-109 '63.

SLAG—ELECTRIC PROPERTIES

Electrothermics of titanium slags. V. A. Reznichenko. Titan i ego splavy no. 9 3-9 '63.

SLAG CEMENT

Investigating mortars of Semipalatinsk portland cement and Kuznetsk slag portland cement. V. V. Vershinina, B. A. Goloshchapov. Trudy Alt. GMNII AN Kazakh. SSR 14 165-170 '63.

Local binding materials and slag portland cement from slags obtained during the electric smelting of the semifinished products of the lead and zinc industries. V. V. Vershinina, I. I. Fedotova. Trudy Alt. GMNII AN Kazakh. SSR 14 150-159 '63.

SLAVERY see subdivision under Rome

SLAVIC LANGUAGES

Gorning, B. V. [Prehistory of the formation of Slavic linguistic community]. Proiskhozhdenie slavianskogo iazykovogo edinstva. Moskva, Izd-vo Akad. nauk SSSR, 1961. 132 p. (Materialy sovetskoi delegatsii. V Mezhdunarodnyi s'ezd [illegible] [With summary in German]

SLAVIC LANGUAGES—ADJECTIVE

Figurative meaning of some descriptive adjectives in Slavic languages [with summary in English]. [illegible] Lilich. Vest. LGU 18 no. 11 65-71 '63.

SLAVIC LANGUAGES—GRAMMAR

Some problems of the Slavic vocabulary and [illegible] S. I. Gruzdeva. Vest. LGU 18 no. 11 134-140 '63.

SLAVIC LANGUAGES—GRAMMAR, COMPARATIVE

Nahtigal, Rajko. [Slavic linguistics. Translated from Slovenian] Slavianskoe iazykoznanie. Perevod s [illegible] S. B. Bernshteina. Moskva, Izd-vo inostrannoi lit. 1963. 341 p.

SLAVIC LANGUAGES—WORDS—HISTORY

Some problems of the Slavic vocabulary and [illegible] S. I. Gruzdeva. Vest. LGU 18 no. 11 113-118 '63.

SLAVIC LITERATURE

Problems of literary contacts among the Slavic [illegible] ples. I. M. Perochkina. Vest. LGU 18 no. 11 [illegible] '63.

SLAVIC LITERATURE—HISTORY AND CRITICISM

Akademiia nauk SSSR, Institut russkoi literatury. [Russian literature of the 18th century and Slavic literatures, studies and materials] Russkaia lit-ra XVIII veka i slavianskie literatury, issledovaniia i materialy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 189 p.

International Congress of Slavists, 5th, Sofia, 1963. [Slavic literatures, reports of the Soviet delegation] Slavianskie literatury, doklady sovetskoi delegatsii. Moskva, Izd-vo Akad. nauk SSSR, 1963. [illegible] summaries in German, French, and English]

SLAVIC STUDIES

Brief notes on Leader. Russian [illegible] 120 My-Je '63.

Jagić, Vatroslav. [Letters written by I. V. Jagich to Russian scholars, 1865-1888] Pis'ma I. V. Iagicha russkim uchenym, 1865-1888. Izd. podgotovili G. P. Blok i T. I. Lydenko. [And] red. V. V. Vinogradov i G. P. Blok. Moskva, Izd-vo Akad. nauk SSSR, 1963. 527 p.

Myl'nikov, A. S. [Pavel Šafárik, outstanding Slavic scholar] Pavel Shafarik vydaiushchiisia uchenyi slavist. Moskva, Izd-vo Akad. nauk SSSR, 1963. 120 p. (Nauchno-populiarnaia seriia)

SLAVYANSKIY DISTRICT (KRASNODAR TERRITORY)—AGRICULTURE

The committee has many cares. P. Bal'sadorov, [illegible] profsoiuzy. 19 no. 13:16-17 Jl '63.

SLAVYANSKIY DISTRICT (KRASNODAR TERRITORY)—TRADE UNIONS

The committee has many cares. P. Bal'sadorov, [illegible] profsoiuzy. 19 no. 13:16-17 Jl '63.

SLEEP

Characteristics and dynamics of sleep in hypertensive patients treated in the hospital [with summary in English]. Iu. K. Lushchikin. Vrach. delo no. 6:125-128 Je '63.

Peculiarities in the nocturnal sleep of patients with atherosclerosis of the vessels of the brain with neurotic disorders according to electroencephalography data. V. I. Fedortsov, G. N. Fedotovskii. Trudy 1-go MMI 21 [illegible] 203 '63.

SLEEP THERAPY

Late results of the treatment with protective inhibition in bronchial asthma. N. A. Sivokoneva. Vrach. delo no. 6:132 Je '63.

Zheltakov, M. M., Iu. K. Skalpkin, and N. A. Sonin. [Electroanalgesia and hypnosis in dermatology] Elektroanal'geziia i gipnoz v dermatologii. Moskva, Medgiz, 1963. 307 p. (DNLM)

SLEEP-WALKING see Somnambulism

SLINGS AND HITCHES—TESTING

Unit for testing slings. Stroitel' 9 no. 5 Insert 1-4 My '63.

SLOVAK LANGUAGE—FOREIGN WORDS AND PHRASES

Lexical contacts between the Slovak and Ukrainian languages [with summary in English]. M. O. Onyshkevich. Vest. LGU 18 no. 14:72-76 '63.

SLOVAK LANGUAGE—GRAMMAR, COMPARATIVE—RUSSIAN

Isačenko, Alexander V. [The grammatical system of the Russian language compared with the Slovak] Grammaticheskii stroi russkogo iazyka v sopostavlenii s slovatskim. Bratislava, Izd-vo Slovatskoi Akad. nauk. Vol. 2. [Morphology] Morfologiia, 1960. (RPB)

SLOVAKIA—WORLD WAR, 1939-1945
Under the glorious banners of White Russian guerrillas L. Salavei. Belarus' 20 no. 5 28 My '63.

SLUCKIS, MYKOLAS, 1928-
Four stories. L. Lebedeva. Nov. mir 38 no. 9 256-258 S '62.

SLUTSK—ECONOMIC CONDITIONS
Economic situation of privately owned White Russian cities in the first half of the 18th century. A. P. Hrytskevich. Vestsi AN BSSR. Ser. hram. nav. no. 2 52-62 '63.

SLUTSK DISTRICT—COLLECTIVE FARMS—AUDITING AND INSPECTION
What did the auditing show? V. Iu. Krikalo. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5:12 My '63.

SMALLPOX IN ANIMALS
Vesicular microflora in experimental ovinia. I. G. Levenberg. Trudy VNIIVS 14 76-77 '59

SMELTING—PRODUCTION STANDARDS
Creating time norms for metal smelting. B. IUsufovich. Sots. trud 8 no. 6:124-127 Je '63

SMELTING FURNACES—EQUIPMENT AND SUPPLIES
Concrete lining of teapot-type steel pouring ladles. P. N. Dyachkov and others. Ogneupory 28 no. 8 361-364 '63

SMOLENSK—HISTORY—SOURCES
Smolensk statistical records of 1606 as a monument of the early phase of the Russian peasant war in the early 17th century. V. P. Mal'tsev. Probl. istoch. no. 11:336-345 '63.

SMOLENSK—KNIT GOODS INDUSTRY
Account to one's conscience. L. Fedorovich. Sov. profsoiuzy 19 no. 13:29 Jl '63.

SMOLENSK—TRADE UNIONS—OFFICERS
Account to one's conscience. L. Fedorovich. Sov. profsoiuzy 19 no. 13:29 Jl '63.

SMOLENSK PROVINCE—CITIES AND TOWNS, RUINED, EXTINCT, ETC.
Tret'iakov, P. N., and E. A. Shmidt. [Ancient towns in Smolensk Province] Drevnie gorodishcha Smolenshchiny. Moskva, Izd-vo Akad. nauk SSSR, 1963. 191 p.

SMOLENSK PROVINCE—FARM LIFE
In my land; notes of many years ago (to be continued). I. Sokolov-Mikitov. Nov. mir 38 no. 9 114-126 S '62.

SMOLENSK PROVINCE—FARM MANAGEMENT
From the office to the fields and farms. A. IUrov. Komsom. zhizn' no. 15/16 17-18 Ag '63

SMOTRYTS'KYI, MELETII, Bishop, 1578-1633
Kurylas, Bohdan. [Historical and psychological aspects of the reunion of Archbishop Meletii Smotryts'kyi] Z'iedynennia Arkhiiepyskopa Meletiia Smotryts'koho v istorychnomu i psykhologichnomu nasvitlenni, doktors'ka dysertatsiia zakhyshchena v UVU, Miunkhen, dnia 26 5. 1955. Brussels, Centre Ukrainien d'Etudes en Belgique, 1962. 139 p.

SMUTS
A useful reference book. B. I. Popov. Zashch. rast. ot vred. i bol. 8 no. 7 62-63 Jl '63.

SNAKES
Keeping snakes in captivity. V. E. Flint. Priroda 52 no. 8:114-115 Ag '63.

SNAKES (IN RELIGION, FOLKLORE, ETC.)
The snake and the fakir. Oles Beniukh. Az. i Afr. seg. no. 8:57 Ag '63.

SNOW see subdivision under Ivana Franko District

SNOWDROPS
Snowdrops during the leaf-falling season. E. V. Kucherov, B. I. Fedorako. Priroda 52 no. 8:127-128 Ag '63

SOAKING PITS see Furnaces, Heating

SOCCER
Results of the study on some tactical problems in soccer. E. A. Antonov. Sbor. trud. Gruz. gos. inst. fiz. kul't. 5: 283-307 '62.

SOCHI—ARBORETUMS
Our tasks and prospects. I. I. Khanbekov. Les. khoz. 16 no. 2:21-24 F '63.

The 70th anniversary of the Sochi Arboretum. A. Lashkov. Vest. sel'khoz. nauki 8 no. 4:156-158 Ap '63.

The 70th anniversary of the Sochi Arboretum. Les. khoz. 16 no. 2:21 F '63.

SOCHI—HEALTH RESORTS, WATERING PLACES, ETC.
"Sochi, the all-Union health resort" by M. M. Shikhova. Reviewed by A. A. Bulukhan. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:466-467 S-O '62.

SOCHI—SANATORIUMS
Results of organizing climatotherapy in the "Golubaya Gorka" Sanatorium. M. B. Leibovich. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2:115-118 Mr-Ap '63.

SOCHI—TREES
Symbol of peace. Ekaterina Chernenko. Zhen. mira no. 5:32-33 '63

SOCHI REGION—GEOLOGY, STRATIGRAPHIC
The Lower Cretaceous of the Sochi region. M. S. Dzhanelidze. Trudy Geol. inst. AN Gruz. SSR, Geol. ser. 13:51-77 '63

SOCIAL CLASSES
(see also subdivision under Germany, West)
Aref'eva, G. S., and E. N. Lysmankin. [Classes and class struggle] Klassy i klassovaia bor'ba. Moskva, Gospolitizdat, 1963. 41 p. (Metodicheskie zavety po filosofii)

SOCIAL CONFLICT
(see also subdivision under Uzbekistan)
"Class battles are shaking the capitalist world, a new intensification of the revolutionary labor movement." Reviewed by V. S. Diakin. Vop. ist. 38 no. 7:141-143 Jl '63.

SOCIAL INSURANCE see Insurance, Social

SOCIAL PROBLEMS
(see also subdivision under Kazakhstan)
Problems of a strict enforcement of Soviet laws against social parasites and their condemnation by the Soviet public. A. S. Shliapochnikov. Sov. gos. i pravo 37 no. 9:42-49 S '63.

A talk on life. N. Pentiukhova. Mol. komm. no. 7:123-126 Jl '63.

We shouldn't abate our struggle against the antisocial and parasitic members of our society. G. Anashkin, V. Kolchin. Sots. zakon. 10 no. 7:15-20 Jl '63.

SOCIAL PSYCHOLOGY
Kornilov, N. [Geopolitical mutation] Geopoliticheskaia mutatsiia. São Paulo, Brazillia, Knizhnyi magazin S. Rozov
Pt. 1. 1958
(NNC)

SOCIAL SCIENCES—EXAMINATIONS
Russia (1923- U.S.S.R.) Upravlenie prepodavaniia obshchestvennykh nauk. [Sample topics for social science tests in specialized secondary correspondence schools] Primernaia tematika kontrol'nykh rabot po obshchestvovedeniiu dlia zaochnykh srednikh spetsial'nykh uchebnykh zavedenii. Moskva, Gospolitizdat, 1963. 28 p.

SOCIAL SCIENCES—STUDY AND TEACHING
(see also subdivision under Minsk, Ukraine)
Let's work in the new way! S. G. Vershlovskii. Vech. shkola 6 no. 3:57-59 My-Je '63.

Studying the pattern of social development in the "social science" course. R. B. Vendrovskaia. Prep. ist. v shkole 18 no. 5:29-38 S-O '63.

Studying the transition to communist labor and distribution in the "social science" course. R. L. Zaitsev. Prep. ist. v shkole 18 no. 5:39-46 S-O '63.

SOCIALISM
Schumpeter's theory of the "self-destruction of capitalism" is a tool of bourgeois apologetics. R. Rivkin. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 5:73-83 '63.

Weitling, W. Ch. [Guarantees of harmony and liberty. With a supplementary brochure by W. Weitling "Humanity, as it is and how it should be." Translated from the German] Garantii garmonii i svobody. S prilozheniem broshiury V. Veitlinga "Chelovechestvo, kak ono est' i kakim ono dolzhno byt' by't'." Vstup. stat'ia V. P. Volgina. Moskva, 1962. 584 p. (Akademiia nauk SSSR. Predshestvenniki nauchnogo sotsializma)
(CU)

SOCIALIST COMPETITION
(see also subdivision under Karaganda Province; Leningrad; Moscow; Uzbekistan)
Cherednichenko, E. T., ed. [Competition for communist labor in railroad transportation] Sorevnov[illegible] kommunisticheskii trud na zheleznodorozhnom Moskva, Transzheldorizdat, 1963. [illegible]

Collective of the Eastern Siberian P achieve an exemplary main line. I Zhel. dor. transp. 45 no. 7:8-10 Jl

Crew of the steamer "Chernigov" is i socialist competition. V. Kocherga. 4-5 My '63.

Emulate the "beacons!" Tekst. pron '63.

Enterprises exchange information. I. trud 8 no. 6:88-89 Je '63.

Expand the competition for communis tepl. tiaga no. 8:1-3 Ag '63.

Fifth anniversary of the national mov ist labor. V. I. Kostrikin, M. A. Po v shkole 18 no. 5:9-18 S-O '63

The Leningrad "Smena" as our guest. Mol. kommunar no. 9:44-53 S '62.

The most important aspect of socialis E. Golub', Mol. komm. no. 8:67-70

Our achievements in the effort for co V. Agasian. Den. i kred. 21 no. 8:

Role of the collectives and shock wo labor in the investigation of potenti of labor productivity in confectione A. F. Romashkina. Khleb. i kond. pro Ag '63.

Savings banks workers are competing. A. Dubenchuk. Den. i kred. 21 no. 8 14-15 Ag '63.

Striving to achieve excellent track maintenance on every kilometer. V. M. Kombarov. Put' i put. khoz. 7 no. 8 5-7 '63.

Struggling for a high title. V. V. Khvostov. Shvein. prom. no. 3 7-10 Jl-Ap '63.

Toward the victory of communist labor. I. Primakov. Mol. kommunar no. 9:71-75 S '62.

SOCIALIST COMPETITION—CONGRESSES
Vsesoiuznoe soveshchanie peredovikov dvizheniia za kommunisticheskii trud. [Materials of the All-Union Conference of Leaders of the Communist Labor Movement] Materialy. [Moskva] Profizdat, 1963. 23 p.

SOCIALIST PARTIES are subdivision under India

SOCIALIST PROPERTY
Contradictions of the period of transition from socialism to communism and ways to overcome them. H. Rakhimov. Nauch. trab. i soob. Otd. obshchestv. nauk AN Uz. SSR 5:5-11 '62.

The decisive role of government ownership in the consolidation of the collective farm system, based on materials from the Uzbek S. S. R. Kh. Muminov. Nauch. trab. i soob. Otd. obshchestv. nauk AN U. SSR 5:100-111 '62.

SOCIALIST REALISM
An art maturing in the struggle, establishment of socialist realism in Rumanian literature. Iu. Kostenvalov. Vop. lit. 7 no. 7 160-176 Jl '63.

A word on socialist realism. Mikhail Shirokin. Kult. i zhizn' 7 no. 5:21-25 '63.

SOCIETIES see subdivision under Czechoslovakia

SOCIOLOGY
All-Union Conference on Sociological Research. M. V. Belov. Vest. AN SSSR 33 no. 9:95-96 S '63.

Russia (1917- R.S.F.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. [Criticism of the present-day bourgeois ideology] Kritika sovremennoi burzhuaznoi ideologii. [n. p.] Rosvuzizdat, 1963. 181 p.

SODIUM
Differentiation in geochemical processes taking place with the participation of potassium and sodium [with summary in English]. V. V. Shcherbina. Geokhimiia no. 3:229-236 Mr '63.

SODIUM ALUMINUM HYDRIDE
Reduction of carboxylic acid esters to aldehydes with sodium aluminum hydride. L. I. Zakharkin, V. V. Gavrilenko, D. N. Maslin. Izv. AN SSSR, Ser. khim. no. 8: 1526 Ag '63.

SODIUM BORATES—ELECTRIC PROPERTIES
Electric conductivity of sodium metaborate solutions at high temperatures. I. N. Mukaimov, V. F. Ilunkevich. Zhur. fiz. khim. 37 no. 8:1804-1806 Ag '63.

SODIUM BOROHYDRIDE
Study of catalysts produced by the reaction of sodium borohydride with salts of heavy metals. A. M. Tabet and others. Dokl. AN SSSR 152 no. 1:118-121 S '63.

SODIUM CARBONATES
Hexagonal berkite solid solution (γ-phase) in the system Na_2SO_4 - Na_2CO_3. A. N. Khlopova, I. S. Kovalova. Zhur. strukt. khim. 1 no. 4 569-575 Jl Ag '63.

SODIUM CARBONATES—ELECTRIC PROPERTIES
Determination of the electric conductivity of the solutions of sodium carbonate and bicarbonate under hydrothermal conditions [with summary in English]. N. I. Khita-

SODIUM OXALATES

Cation exchange study of the behavior of indium as dependent on the concentration of oxalate ions and of the pH of solution. I. P. Tsintsevich and others. Vest. Mosk. un-ta. Ser. 2 Khim. 18 no. 4 70-72 Jl-Ag '63.

SODIUM SULFATES

Hexagonal barium solid solution (γ'-phase) in the system $Na_2SO_4 - MgCO_3$. V. N. Khlapova, E. S. Kovalevskaya, Zhur. strukt. khim. 4 no. 4 569-575 Jl-Ag '63.

Reduction of sodium sulfate with gaseous reagents. V. A. Nikitin, T. I. Kunin. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2 263-267 '63.

SODIUM THIOCYANATE

Obtaining sodium thiocyanate for the manufacture of nitron fibers. M. S. Litvinenko and others. Koks i khim. no. 6 34-40 '63.

SODIUM TUNGSTATES

Structure of sodium paratungstate. V. I. Kabanov. Zhur. strukt. khim. 4 no. 4 622-623 Jl-Ag '63.

SOGDIAN MANUSCRIPTS see Manuscripts, Sogdian

SOIFERTIS, LEONID VLADIMIROVICH, 1911-

Semenova, T. S. Leonid Vladimirovich Soifertis. Moskva, Sovetskii khudozhnik, 1962. 53 p. (MH)

SOIL, PODZOLIC see Podzol

SOIL ABSORPTION

Character of ultraporosity of the fractions of mechanical elements in the soil complexes of the light-colored Chestnut subzone. A. D. Voronin. Nauch. dokl. vys. shkoly, biol. nauki no. 3:189-192 '63.

Effect of silt furrowing on the water absorption by frozen soil [with summary in English]. V. P. Volkov. Pochvovedenie no. 8:91-100 Ag '63.

SOIL ACIDITY

Effect of soil liming combined with the use of organic and mineral fertilizers on the acidity of soils. M. F. Sokolova. Trudy VIUA no. 38,150-161 '61.

SOIL BIOLOGY see subdivision under Otradnoye region (Leningrad Province)

SOIL CEMENT

Improving the physical and mechanical properties of "soil concrete" with fibrous aggregates. V. E. Sokolovich. [Trudy] NII osn. no. 50:80-84 '62.

Strengthening non-carbonate soils with types of cement. E. S. Chaikova. [Trudy] NII osn. no. 50:85-96 '62.

SOIL CHEMISTRY

Effect of large amounts of mineral fertilizers upon the acidity of soil solution and the mobility of elements in little-cultivated strongly podzolized turf soils. F. I. Levin, E. N. Subbotina. Nauch. dokl. vys. shkoly, biol. nauki no. 3:218-222 '63.

SOIL CONDITIONERS

Studying ion exchange processes in soils under dynamic conditions [with summary in English]. N. K. Krupskii, O. Iu. TSygankenko. Pochvovedenie no. 8:103-106 Ag '63.

SOIL DISINFECTION

Results of six years' testing of dichloroethane and its purified still residues in Moldavia. Ia. I. Prints, V. M. Kozlov, I. F. Slonovskii. Fiz. i mery bor'by s nei no. 1:9-16 '61.

Soil fumigants. G. A. Kirtukhin. Zashch. rast. ot vred. i bol. 8 no. 7 23-25 Jl '63.

SOIL FAUNA

(see also subdivision under Kodry)

"Effect of fertilizers on soil fauna" [in German] by G. Herbke and others. Reviewed by N. M. Chernova. Zool. zhur. 42 no. 8:1280-1282 '63.

SOIL FREEZING

Conditions of joining of ice-rock cylinders in freezing sands with flowing currents. K. K. Samokhvalov. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 7:46-55 '63.

SOIL INOCULATION

Factors determining the effectiveness of phosphorobacterin in soil. R. A. Menkina. Zemledelie 25 no. 7:78-82 Jl '63.

SOIL MECHANICS

Determining the building qualities of peat [with summary in English]. A. M. Silkin. Izv. TSKHA no. 3:200-208 '63.

Experimental investigation of problems of the theory of similitude for incohesive foundation soils subjected to the maximum permissible vertical load. A. P. Krivoroto v. Izv. vyz. ucheb. zav.; stroi. i arkhit. 6 no. 2:65-72 '63.

Graph analysis method of determining soil resistance to being cut by a blade with a blunt edge. K. A. Artem'ev. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 2:94-102 '63.

Scale factor and the effect of strength in directed explosions. V. M. Kuznetsov, E. N. Sher. PMTF no. 3:84-90 My-Je '63.

SOIL MICRO-ORGANISMS

(see also subdivision under Moscow Province)

Effect of fertilizers on soil microflora. E. F. Berezova, T. A. Sorokina. Zemledelie 25 no. 9 57-59 S '63.

Methods for detecting the microorganisms of autochthonous microflora in agar media [with summary in English]. E. Z. Tepper. Izv. TSKHA no. 3:228-233 '63.

SOIL MOISTURE

(see also subdivision under Bukovina, Kara Kum Canal region; Russia, Southern, Ukraine)

Calculating the moisture supply of corn fields in various climatic zones of the U. S. S. R. IU. I. Chirkov, G. V. Belukhina. Trudy TSIP no. 131:3-12 '63.

Relations of optimum moisture supply in different soil layers in winter wheat fields during the fall. E. S. Ulanova, A. L. Rymar. Trudy TSIP no. 131:53-63 '63.

SOIL PARTICLES

Methodology of micromorphological study of soil microsections. K. N. Fedorov. Nauch. dokl. vys. shkoly; biol. nauki no. 3:199-204 '63.

SOIL POLLUTION

Russia (1923- U. S. S. R.) Ministerstvo zdravookhraneniia. [Sanitary protection of soil in populated places] Sanitarnia okhrana pochvy naselennykh mest, metodicheskoe posobie dlia sanitarno-epidemiologicheskikh uchrezhdenii. Pod red. V. A. Gorbova i dr. Moskva, Medgiz, 1963. 175 p. (DNLM)

SOIL RESEARCH

(see also subdivision under Latvia)

Methodology of micromorphological study of soil microsections. K. N. Fedorov. Nauch. dokl. vys. shkoly; biol. nauki no. 3:199-204 '63.

SOIL SCIENCE

Practical work on soil science and soil geography. S. A. Monin. Uch. zap. MGPI no. 159 17-52 '60.

SOIL STABILIZATION

Compaction of waterlogged clayey soil by loading combined with the brief effect of an electric current. N. S. Komarov. Sbor. trud. LIIZHT no. 196:35-39 '62.

Development of the process of thawing and compacting permafrost before building. V. F. Zhukov, N. I. Fiolov. [Trudy] NII osn. no. 50:72-79 '62.

Electric method of thawing and compacting permafrost foundation soil before building. B. P. Gorbunov, L. I. Kurdenkov. [Trudy] NII osn. no. 50:53-71 '62.

Installation of a seepage control curtain in sand using carbamide resin. M. N. Ibragimov. [Trudy] NII osn. no. 50:15-19 '62.

Plant grass to protect slopes on all roadbeds. M. N. Ivanova, V. I. Gritsyk. Transp. stroi. 13 no. 6:4-6 Je '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. 3. Sec. B. ch. 6. [Stabilization and artificial firming of soils; regulations for the organization, performance, and acceptance of work] Stabilizatsiia i iskusstvennoe zakreplenie gruntov; pravila organizatsii, proizvodstva i priemki rabot (SNiP III-B. 5-62). 1963. 23 p.

Strengthening and compaction of settling loess soil. B. A. Rzhanitsyn. [Trudy] NII osn. no. 50:4-9 '62.

Strengthening loess soil with water solutions of carbamide resin in the field. M. T. Kuleev. [Trudy] NII osn. no. 50:10-14 '62.

Study of methods of electric and chemical solidification of soils. G. N. Zhinkin, K. K. Sergeenkova. [Trudy] NII osn. no. 50:38-44 '62.

SOILS see subdivision under Bet-Pak-Dala; Crimea; Kodry; Soviet Central Asia; Tomsk Province

SOILS—ABSTRACTS

[Soil science] Ref. zhur.; Pochv. no. 10 O '63.

SOILS—ANALYSIS

Russia (1923- U. S. S. R.) Ministerstvo zdravookhraneniia. [Sanitary protection of soil in populated places] Sanitarnaia okhrana pochvy naselennykh mest; metodicheskoe posobie dlia sanitarno-epidemiologicheskikh uchrezhdenii. Pod red. V. A. Gorbova i dr. Moskva, Medgiz, 1963. 175 p. (DNLM)

SOILS—BIBLIOGRAPHY see Bibliography—Soils

SOILS—CLASSIFICATION

Conference participants speak. Plan. khoz. 40 no. 8: 68-71 Ag '63.

Evaluate the result objectively. I. Susiov. Plan. khoz. 40 no. 8:62-68 Ag '63.

SOILS—COMPOSITION see subdivision under Kazakhstan; Otradnoye region (Leningrad Province)

SOILS—PHOSPHORUS CONTENT

Determining free phosphorus in soil. IU. IA. Mazel'. Pochvovedenie no. 8:101-103 Ag '63.

SOILS—RADIUM CONTENT

Geochemistry of some natural radioactive elements in soils [with summary in English]. V. I. Baranov and others. Pochvovedenie no. 8:11-20 Ag '63.

SOILS—THORIUM CONTENT

Geochemistry of some natural radioactive elements in soils [with summary in English]. V. I. Baranov and others. Pochvovedenie no. 8:11-20 Ag '63.

SOILS AND CLIMATE

Calculating the moisture supply of corn fields in various climatic zones of the U. S. S. R. IU. I. Chirkov, G. V. Belukhina. Trudy TSIP no. 131:3-12 '63.

SOILS AND CROPS see Crops and soils

SOKOL (VOLOGDA PROVINCE)—EVENING AND CONTINUATION SCHOOLS

The workman is studying. L. Pavlova. Sov. profsoiuzy 19 no. 13:24-25 Jl '63.

SOKOLOV, NIKOLAI ALEKSANDROVICH, 1903-

"Nikey" painter. O. Verelskii. Ogonek 41 no. 30 0 11 '63.

SOKOLOV, NIKOLAI SERGEEVICH, d. 1963

An obituary. Zemledelie 25 no. 9:95 S '63.

SOLAR ENERGY

[Research on the utilization of solar energy] Issledovaniia po ispol'zovaniiu solnechnoi energii. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR.

No. 1. 1963. 107 p. [MICROFILM]

Solar energy ponds. M. Kottun. Tekh. mol. 30 no. 11:36 '62.

SOLAR SPECTRUM see Spectrum, Solar

SOLDIERS

(see also subdivision under Babylonia)

Saloiskii, A. S. [Yes, a simple soldier!] Da, prosto soldat! [Moskva] Molodaia gvardiia, 1963. 61 p. (Komsomol'skomu aktivistu)

SOLID SOLUTIONS see Solutions, Solid

SOLIDIFICATION

Analytic calculation of the solidification of bodies of simple shape [with summary in English]. D. A. Tolkachev. Inzh.-fiz. zhur. 6 no. 7:101-106 Jl '63.

SOLIDS

Certain features of the formation of monolithic solids by the effect of temperature and pressure on polycrystalline nitrile powder [with summary in English]. S. A. Arshakov and others. Vysokom. soed. 5 no. 8:1190-1200 Ag '63.

Kitaigorodskii, A. I., and E. I. Fedin. [Atomic structure and the properties of solids] Atomnoe stroenie i svoistva tverdykh tel. Moskva, Izd-vo "Znanie," 1963. 47 p. (Narodnyi universitet kul'tury. Estestvennonauchnyi fakul'tet, no. 6)

SOLIKAMSK REGION—POTASSIUM SALTS

History of the discovery of the Verkhnekamsk potassium salt deposit. A. A. Ivanov. Trudy VSEGEI 84:137-144 '62.

SOLNTSEVA, IULIIA IPPOLITOVNA, 1903-

Fidelity. Tykhin Medvedilov. Ukraina no. 15:0 Jl '63.

SOLOMON'S SEAL see subdivision under Soviet Far East

SOLONETZ SOILS see subdivision under Virgin Territory

SOLOVETSKIYE ISLANDS—MONASTERIES

Frumenkov, G. G. [Solovetskii Monastery and the defense of the White Sea region in the 16th-19th centuries] Solovetskii monastyr' i oborona Pomor'ia v XVI-XIX vekakh. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1963. 136 p.

SOLUBILITY

Apparatus for determining the solubilities of chlorine and other gases in liquids [with summary in English]. L. M. Kogan, N. S. Kol'tsov, N. D. Litvinov. Zhur. fiz. khim. 37 no. 8:1814-1817 Ag '63.

Experimental studies of the solubility of calcite and witherite under hydrothermal conditions [with summary in English]. S. D. Malinin. Geokhimiia no. 7:631-646 Jl '63.

Solubility of aluminum and titanium chlorides in fused chlorides. V. S. Balkhlin, V. A. Reznichenko. Titan i ego splavy no. 8:225-229 '63.

Solubility of clays in acids and the pH of clays. G. N. Khodalevich, L. G. Sakovich, O. K. Ovechkina. Izv. TPI 111:81-82 '61.

Solubility of hydrocarbons of the naphthalene series in water. A. N. Guseva, E. I. Parnov. Vest. Mosk. un-ta. Ser. 2: Khim. 18 no. 4:80-82 Jl-Ag '63.

Solubility of lead in the system copper - iron - sulfur. O. G. Miller, M. A. Abdeev. Trudy Alt. GMNII AN Kazakh. SSR 14:110-113 '63.

Thermodynamics of the solution of phosphorus in liquid iron in the presence of manganese, silicon, carbon, and iron. B. P. Burylev. Izv. vys. ucheb. zav.; chern. met. 6 no. 7:5-12 '63.

SOLUTION (CHEMISTRY)

Apparatus for the accurate measurement of the electric conductance of solutions. B. A Lopatin, A V Gulin Zav. lab, 29 no. 8:1011-1015 '63.

Titanium corrosion in acid and salt solutions. L. V. Birlukova, L. L. Nekoslavskaia. TSvet. met. 36 no. 8 66-69 Ag '63.

SOLUTIONS, SOLID

Evaluating the additional binding energy in diluted solid solutions. K. P Gurov. Trudy Inst. met. no. 15 54-57 '63.

Hexagonal berkite solid solution (γ'-phase) in the system Na_2SO_4 - Na_2CO_3 A N Khlapova, E S. Kovaleva Zhur strukt. khim. 4 no 1 569-575 Jl-Ag '63

Solid solutions of tricalcium silicate with yttrium oxyorthosilicate N. A. Toropov, A. I. Boikova. Dokl. AN SSSR 151 no. 5 1114-1117 Ag '63

SOLVATION

Study of selective solvation by sedimentation in a density gradient [with summary in English]. S. E. Bresler and others. Vysokom. soed. 5 no. 7:1101-1105 Jl '63.

SOLVENTS

Effect of nonaqueous solvents on the formation of thiocyanate complexes of indium (III). A. M Golub, V. M. Samoilenko. Ukr. khim. zhur. 29 no. 6:590-600 '63.

Method of analysis of soluble oil emulsions by titration in nonaqueous solvents. D. V. Fuerman. Khim. i tekh topl. i masel 8 no. 8:54-56 Ag '63.

Obtaining solvents from naphthalene-containing industrial oils. M. K. D'iakova and others. Koks i khim. no. 10: 40-43 '62.

SOMALIA—EDUCATION

Public education in Somalia. S. M. IAzykov. Sov. pedag. 27 no. 6:120-128 Je '63.

SOMATOLOGY

Stereosomatic index of physical development. S. I. Uspenskii. Vop. antr. no. 12:55-71 '62.

SOMNAMBULISM

Viral encephalitis with the clinical aspects of somnambulism. A. A. Kozlovskii. Vrach. delo no. 8:138-139 Ag '63.

SORGHUM—DRYING

Increase of the absolute weight and changes in the chemical composition of freshly gathered sorgo seeds during the drying period. M. A. Shepel'. Visnyk sil'hosp. nauky 6 no. 8:69-70 Ag '63.

SORGHUM—HARVESTING

Mechanization of sorghum harvesting operations. E. A. Pisanko. Nauch. trudy UNIIMESKH 4.15-16 '62.

SORGHUM BREEDING

A great sorgo breeder. D. Meksin. Vest. sel'khoz. nauki 8 no. 4:149-151 Ap '63.

SORPTION

Akademiia navuk BSSR, Minsk. Institut obshchei i neorganicheskoi khimii. [Ion exchange and sorption from solutions] Ionoobmen i sorbtsiia iz rastvorov. Minsk, Izd-vo Akad. nauk Belorusskoi SSR, 1963. 160 p.

Device for determining isotherms of sorption from solutions at temperatures above 100° [with summary in English]. S. IU. Elovich, V. T. Avgul', T. D. Šemenovskaia. Zhur. fiz. khim. 37 no. 8:1909 Ag '63.

Selective sorption of cations by oxidized carbon and possibility for its practical utilization. I. A. Tarkovskaia. Ukr. khim. zhur. 29 no. 5:491-496 '63.

Sorption of low molecular compounds by polymers at high temperatures [with summary in English]. T. V. Gatovskaia and others. Vysokom. soed. 5 no. 7:960-965 Jl '63.

SORTING DEVICES

Supply agriculture with calculating machines. A. A. Bachurin. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 8:43 Ag '63.

SOUND

Moscow. Vsesoiuznoe institut nauchnoi i tekhnicheskoi informatsii. [Problems of modern acoustics] Problemy sovremennoi akustiki. Moskva, Izd-vo Akad. nauk SSSR, 1963. 174 p.

SOUND—RECORDING AND REPRODUCING

Equipment for sound recording and rerecording. O. I. Ioshin. Tekh. kino i telev. 7 no. 8:50-53 Ag '63.

Panfilov, N. D. [Sound in motion pictures] Zvuk v fil'me. Moskva, Iskusstvo, 1963. 117 p. (Biblioteka kinolubitelia)

Sound recording and reproducing. Tekh. kino i telev. 8 no. 4:01-05 Ap '62.

Stabilization of the circuits of amplifying stages with direct coupling on semiconductor triodes [with summary in English on p. 96]. E. P. Tarasov. Tekh. kino i telev. 7 no. 6:35-42 Je '63.

Standardization of the measurement of the coefficient of frequency variations. V. V. Rakovskii. Tekh. kino i telev. 6 no. 4:64 Ap '62.

SOUND—RECORDING AND REPRODUCING—BIBLIOGRAPHY see Bibliography—Sound—Recording and reproducing

SOUND—SPEED

Experimental study of the speed of sound in argon at the saturation point. I. S Radovskii PMTF no 3,159-162 My-Je '63.

SOUND PRODUCTION BY ANIMALS

Some problems of the acoustic orientation in terrestrial vertebrates [with summary in English]. N P Naumov and others. Zool. zhur. 42 no 8:1200-1212 '63

SOUTH AFRICA, REPUBLIC OF—RACE QUESTION

Racialism and colonialism on trial. N. Arkad'ev Nov. vrem. 21 no 34 19-20 Ag '63

SOUTH AFRICA, REPUBLIC OF—WOMEN

They are fighting for the freedom of South Africa. Carol King. Zhen mira no. 5:21-24 '63.

SOUTH AMERICA—CANALS

Fate of a project V Simakov and others Vokrug sveta no 1 53-54 Ja '63

SOUTH AMERICA—DESCRIPTION AND TRAVEL

Love and worry A. Turkov. Vokrug sveta no 1:62-63 Ja '63.

SOUTH KAZAKHSTAN PROVINCE see Chimkent Province

SOUTHEAST ASIA TREATY ORGANIZATION

The Philippines and the strategy of the U. S. A. [with English summary in insert]. A. Orlov. Az. i Afr. seg. no. 8:38-39 Ag '63.

Thailand, a SEATO base [with English summary in insert]. Az. i Afr. seg. no. 8:34-35 Ag '63.

SOVIET BLOC see Communist Countries

SOVIET CENTRAL ASIA—ALFALFA

Origin of Semirech'ye alfalfa. IU. D. Zykov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 5:27-37 My '63.

SOVIET CENTRAL ASIA—ALGAE

Flora of algae of some natural and artificial hot springs in Central Asia. K. IU. Musaev, A. Ergeshev, R Saidova. Uzb. biol. zhur. 7 no. 3:5-11 '63.

SOVIET CENTRAL ASIA—ARCHITECTURE—COMPOSITION, PROPORTIONS, ETC.

The architectural guz. P. Zakhidov. Nauch. rab. i soob Otd. obshchestv. nauk AN Uz. SSR 5:217-223 '62.

SOVIET CENTRAL ASIA—CHEMICAL INDUSTRIES

The widespread use of chemistry multiplies the national wealth. V. Rybakov. Nar. khoz. Uzb. 5 no. 8:19-24 Ag '63.

SOVIET CENTRAL ASIA—CHINESE

History of the social and political life and work of Chinese immigrants in Central Asia, 1917-1924 G. B. Nikol'skaia. Nauch. trudy TashGU no 212 Ist. nauki no. 42:47-62 '62.

SOVIET CENTRAL ASIA—COAL MINES AND MINING—MANAGEMENT

In the communist way. G. Markov. Nar. khoz. Uzb. 5 no. 8:59-61 Ag '63.

SOVIET CENTRAL ASIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Place economics at the center of attention of party organizations. Nar. khoz. Uzb. 5 no. 8:25-29 Ag '63.

SOVIET CENTRAL ASIA—COTTON—WATER REQUIREMENTS

Some characteristics of cotton growing in dry-farming areas and in soils irrigated depending on conditions. G. A. Kliuev. Trudy Inst sel'khoz. AN Uz SSR no. 1 128-139 '53.

SOVIET CENTRAL ASIA—ECONOMIC POLICY

For the large-scale development of chemistry. B. Ovezov. Part. zhizn' no. 16:8-13 Ag '63.

SOVIET CENTRAL ASIA—FOREST INSECTS

Sinadskii, IU. V. [Pests of floodland forests in Central Asia and measures for their control] Vrediteli tugainykh lesov Srednei Azii i mery bor'by s nimi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 147 p. (DNAL)

SOVIET CENTRAL ASIA—GAS, NATURAL—PIPELINES

Morning at a shock brigade construction project. B. L'vov. Mol. komm. no. 8:52-57 Ag '63.

SOVIET CENTRAL ASIA—HISTORIOGRAPHY

A useful book. O. Kuliev, T. N. Kuprikova. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 3:97-101 '63.

SOVIET CENTRAL ASIA—INDUSTRIAL MANAGEMENT

Place economics at the center of attention of party organizations. Nar. khoz. Uzb. 5 no. 8:25-29 Ag '63.

SOVIET CENTRAL ASIA—INDUSTRIES

Development and specialization of heavy industry in the Central Asian Economic Region. P. Kuliakin. Komm. Uz. 35 no. 6:21-28 Je '63.

SOVIET CENTRAL ASIA—IRRIGATION

Akademiia nauk SSSR. Pochvennyi institut imeni V. V. Dokuchaeva. [Effect of irrigation on soils in the oases of Central Asia] Vliianie oroshenita na pochvy oazisov Srednei Azii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 105 p.

SOVIET CENTRAL ASIA—ORIENTAL STUDIES

History of the first institute of oriental studies in Central Asia. B V Lunin Och po ist ras vostokoved. no 6 302-346 '63

SOVIET CENTRAL ASIA—PALEOBOTANY, STRATIGRAPHIC

Quaternary flora as from the mountain regions of Central Asia. V S Kondrat'eva Mat po ist. fauny i flory Kazakh. 4 113-151 '63

SOVIET CENTRAL ASIA—POTTERY

The meaning of the word "baraka" often appearing on the medieval glazed pottery I. Akhmarov Nauch rab i soob. Otd. obshchestv. nauk AN Uz. SSR 5:212-216 '62

SOVIET CENTRAL ASIA—RANGE FINDERS—TESTING

Effect of the earth's surface cover on the coefficient of the DD-2 differential range finder. A. V. Vakhidov. Trudy NIIZHT no 30 35-43 '62

SOVIET CENTRAL ASIA—REVOLUTION, 1917-1921

History of Mohammedan Communist organizations in Turkestan in 1919 and 1920. U. Kasymov. Nauch trudy TashGU no. 207:3-29 '62.

SOVIET CENTRAL ASIA—REVOLUTION, 1917-1921—FOREIGN PARTICIPATION

Statutes of the local organizations of the Russian Communist Party in Central Asia, 1918; statutes of the Communist Party of Foreign Workers and Peasants A. M. Matveev. Nauch. trudy TashGU no 212 Ist nauki no. 42:32-46 '62.

SOVIET CENTRAL ASIA—SCYTHIAN ANTIQUITIES

Scythians of Central Asia in the light of recent archaeological discoveries. S. P. Tolstov. Vest drev. ist. no. 2:23-45 '63.

SOVIET CENTRAL ASIA—SOCIAL CONDITIONS

"Important industrial power of the East." E. Calique. Nar. khoz. Uzb. 5 no. 8:73-76 Ag '63.

SOVIET CENTRAL ASIA—SOILS

Akademiia nauk SSSR. Pochvennyi institut imeni V. V. Dokuchaeva. [Effect of irrigation on soils in the oases of Central Asia] Vliianie oroshenita na pochvy oazisov Srednei Azii Moskva, Izd-vo Akad. nauk SSSR, 1963. 105 p.

Principles underlying the zoning of soils for improvement purposes and importance in planning the socialist economy. B V. Fedorov. Trudy Inst sel'khoz. AN Uz. SSR no 1 140-150 '53.

SOVIET CENTRAL ASIA—TELEVISION BROADCASTING

Friendship screen. I. Grishina. Nar. khoz. Uzb. 5 no. 8:28-29 Ag '63.

SOVIET CENTRAL ASIA—THERMAL WATERS

Flora of algae of some natural and artificial hot springs in Central Asia. K. IU. Musaev, A. Ergeshev, R Saidova Uzb. biol. zhur 7 no. 3:5-11 '63.

SOVIET CENTRAL ASIA—TORTOISES, FOSSIL

The time of the appearance of the tortoise Testudo horsfieldi in Central Asia. V. V. Kuznetsov. Mat. po ist. fauny i flory Kazakh 4 217-218 '63

SOVIET CENTRAL ASIA—VEGETATION AND CLIMATE

The Mediterranean belt type and its high altitude vegetation in Central Asia. K. V. Stanlukovich. Uch. zap. Dush. gos. ped. inst. 35, Ser. geog. no. 2:185-194 '62.

SOVIET FAR EAST—CLAY

Spectrophotometric analysis of soybean oil clarified with Far East clays of the Pionersk deposit. N. K Nadirov, P. A. Babin, P. S. Ivakhnenko. Masl.-zhir. prom 29 no. 7:16-18 Jl '63.

SOVIET FAR EAST—ECONOMIC POLICY

Utilize the wealth of the Far East. A Vorovkin. Plan. khoz. 10 no. 8.72-76 S '63.

SOVIET FAR EAST—ECONOMIC RESEARCH

New development in coordinating research in the economics of eastern regions. V. Fomin, V. Perevedentsev. Vop. ekon. no. 8:153-156 S '63.

SOVIET FAR EAST—FISHERIES

We are working on the 1966 account. A. I. Kosonogov. Ryb. khoz. 39 no. 8:53-55 '63.

SOVIET FAR EAST—FLATFISHES

Some parts of the trawl equipment for catching flatfish. N Bryntsev. Ryb. khoz. 39 no. 8:51-52 '63.

SOVIET FAR EAST—FORESTS AND FORESTRY

Nauchnaia konferentsiia, posviashchennaia izucheniiu lesov Sibiri i Dal'nego Vostoka, Krasnoiarsk, 1962. [Materials on the study of forests of Siberia and the Far East] Materialy po izucheniiu lesov Sibiri i Dal'nego Vostoka, trudy konferentsii. Krasnoiarsk, Akad. nauk SSSR 1963 369 p

SOVIET FAR EAST—FULLER'S EARTH

Utilization of fuller's earth from the Far East deposits for the clarification of soybean oil. L. M. Matygina Masl.-zhir. prom. 29 no. 7:14-16 Jl '63

SOVIET FAR EAST—HEALTH RESORTS, WATERING PLACES, ETC.—CONGRESSES

Scientific and Practical Conference of Physicians of the Health Resorts and Sanatoriums of the Urals, Siberia and the Far East. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5 469-472 S-O '62.

SOVIET FAR EAST—HISTORY

Literary heritage of Timofei Ivanovich Shmalev, a student of the local history of the Siberian Far East. M. O. Kosven. Probl. istoch. no. 11:186-208 '63.

SOVIET FAR EAST—LABOR SUPPLY

Supply the Far East with a permanent labor force. V. Raguzov. Sots. trud 8 no. 6 77-80 Je '63.

SOVIET FAR EAST—LEGAL RESEARCH

A theoretical conference at the Faculty of the History of Law of the University of the Far East. P. E. Izv. vys. ucheb. zav., prav. 7 no. 2:186-190 '63.

SOVIET FAR EAST—LIBRARIES

Zone unification of libraries in the Far East. A. N. Buchenkov, A. N. Maslova. Sov. bibl. no. 4:21-28 '63.

SOVIET FAR EAST—LOPARITE

Case of a complicated replacement of loparite. A. D. Kalenov, V. I. Anikeeva, K. P. Sokova. Dokl. AN SSSR 152 no. 1, 183-190 S '63.

SOVIET FAR EAST—MERCHANT MARINE

Technical and economic conference "Prospects of expanding and ways of improving the organization of shipping in the Far-Eastern Basin." Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 11 41-44 '62.

SOVIET FAR EAST—PARASITES—DEER

Age-related changes of the helminth fauna of Japanese deer kept in a park in the Far East [with summary in English]. D. A. Ovcharenko. Vest. LGU 18 no. 15 5-11 '63.

SOVIET FAR EAST—POPLAR

Provide the Far East with productive poplar stands. L. A. Vstovskii, G. F. Starikov. Les. khoz. 16 no. 2 39-41 F '63.

SOVIET FAR EAST—SOLOMON'S SEAL

Polygonatum inflatum Kom., a new species of Solomon's seal in the Soviet Far East. P. G. Gorovoi, N. N. Gurzenkov. Bot. zhur. 48 no. 7 1037-1038 Jl '63.

SOVIET FAR EAST—TRAWLS AND TRAWLING

Some parts of the trawl equipment for catching flatfish. N. Bryntsev. Ryb. khoz. 39 no. 8 51-52 '63.

SOVIET FAR EAST—WORMS, INTESTINAL AND PARASITIC

Age-related changes of the helminth fauna of Japanese deer kept in a park in the Far East [with summary in English]. D. A. Ovcharenko. Vest. LGU 18 no. 15:5-11 '63.

SOVIETS

Chernova, V. M. [The role of local soviets in the communist public self-administration] Rol' mestnykh Sovetov v obshchestvennom kommunisticheskom samoupravlenii. Alma-Ata, Kazgosizdat, 1963. 65 p.

Kudinov, N. A. [Deputy to a soviet; a legal study] Sovetskii deputat, pravovoe issledovanie. Minsk, Izd-vo Akad. nauk BSSR, 1962. 101 p. (NIC)

Solov'eva, S. V. [Permanent commissions of the local soviets at a new stage] Postoiannye komissii mestnykh Sovetov na novom etape. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 83 p.

SOYBEAN see subdivision under Alma-Ata Province; Tambov Province

SOYBEAN—IRRIGATION see subdivision under Kazakhstan

SOYBEAN OIL

Utilization of fuller's earth from the Far East deposits for the clarification of soybean oil. L. M. Matygina. Masl.-zhir. prom. 29 no. 7:14-16 Jl '63.

SOYBEAN OIL—ANALYSIS

Spectrophotometric analysis of soybean oil clarified with Far East clays of the Pionersk deposit. N. K. Nadirov, P. A. Babin, P. S. Ivakhnenko. Masl.-zhir. prom. 29 no. 7:16-18 Jl '63.

SPACE AND TIME

Space and time are a physical reality. S. Sobolev. Tekh. mol. 31 no. 8, 17 '63.

SPACE BIOLOGY—STUDY AND TEACHING

Acquainting the eighth-grade students with space biology. L. V. Rebrova. Biol. v shkole no. 4:18-22 Jl-Ag '63.

SPACE FLIGHT

Automatic control and space flight. A. A. Blagonravov. Radio no. 8 6-7 Ag '63.

IUrok, A. IU. [Hello, universe!] Zdravstvui, Vselennaia! Moskva, Izd-vo "Znanie," 1961. 63 p. (Prochti tovarishch!)

Outstanding contribution to the world of science. Kryl. rod. 14 no. 7:3 Jl '63.

To the Communist Party and peoples of the Soviet Union, to peoples and governments of all countries, to all progressive mankind. Kryl. rod. 14 no. 7:2-3 Jl '63.

To the Communist Party and peoples of the Soviet Union! To peoples and governments of all countries! To all progressive mankind! Appeal of the Central Committee of the CPSU, Presidium of the Supreme Soviet of the U. S. S. R., and the Government of the Soviet Union. Nov. mir 38 no. 9 3-5 S '62.

SPACE FLIGHT TO THE MOON

Let's make a trip to the moon. L. Gonfalonieri. Tekh. mol. 30 no. 11 20-22 '62.

SPACE FLIGHT TRAINING

IUrok, A. IU. [Hello, universe!] Zdravstvui, Vselennaia! Moskva, Izd-vo "Znanie," 1961. 63 p. (Prochti tovarishch!)

Universe, open your doors! Kryl. rod. 14 no. 9:24-25 S '63.

SPACE LAW

Legal problems in the exploration of outer space discussed at the 13th Congress of the International Astronautical Federation. G. P. Zhukov. Izv. vys. ucheb. zav., prav. 7 no. 2:186-188 '63.

SPACE VEHICLES

Tarasov, E. V. [Optimum flight conditions for flying vehicles] Optimal'nye rezhimy poleta letatel'nykh apparatov. Moskva, Oborongiz, 1963. 247 p.

SPACES, GENERALIZED

Example of a completely continuous integral operator acting from L_p on L_p and having a positive kernel not belonging to $L_r (r > 1)$. D. V. Salekhov. Usp. mat. nauk 18 no. 4:179-182 Jl-Ag '63.

Geodesic correspondence of semireducible Riemann spaces. G. I. Kruchkovich. Dokl. AN SSSR 152 no. 1: 43-45 S '63.

Orlicz spaces and the increase of the norm in L_p space [with summary in English]. K. K. Golovkin. Vest. LGU 18 no. 13 125-129 '63.

Trace formula and Selberg's zeta function in certain symmetrical spaces. S. G. Gindikin. Uch. zap. MGPI no. 188:23-53 '62.

SPACESHIPS

Today airplanes, tomorrow spaceships. N. Krutov. Grazhd. av. 20 no. 7:18-19 Jl '63.

SPAIN—CIVIL WAR, 1936-1939

Bulgarian Communist and the Spanish civil war. R. P. Grishina. Vop. ist. 38 no. 7:184-185 Jl '63.

SPAIN—HISTORY

Role of the Mesta in the Spanish history of the 18th century. N. I. Mitskun. Vop. ist. 38 no. 8:211-218 Ag '63.

SPAIN—POLITICS AND GOVERNMENT

Time will come! Eva Priester. Ogonek 41 no. 26:28-29 Jl '63.

SPAIN—STRIKES AND LOCKOUTS

The fighting spirit of working Spain. A. Gonzales. Sov. profsoiuzy 19 no. 13:39-41 Jl '63.

SPANISH AMERICA see Latin America

SPANISH LANGUAGE—DICTIONARIES—RUSSIAN

[Concise Spanish-Russian and Russian-Spanish dictionary] Kratkii ispansko-russkii i russko-ispanskii slovar'. Moskva, Gos. izd-vo inostr. i natsional'nykh slovarei, 1962. 463 p.

SPARK PLUGS—COOLING

Air cooling of the spark-plug spiral in the combustion chamber of a gas-turbine engine. A. S. Shteinberg. Avt. prom. 29 no. 9:28-31 S '63.

SPASK-DEMENSK—TRADE UNIONS—FINANCE

Spask-Demensk schemers. Vl. Matsepuro. Sov. profsoiuzy 19 no. 13:32-33 Jl '63.

SPECIFIC HEAT see Heat capacity

SPECTROGRAPHY

Methods of spectrographic determination of manganese in bones. L. A. Prybiuda. Vestsi AN BSSR, Ser. bifal. nav. no. 1:64-66 '63.

SPECTROMETER

Attachments to infrared spectrometers. E. I. Lebedev, I. I. Reshina, I. L. Sakin. Zav. lab. 29 no. 8:1000-1002 '63.

Helical resonator for an electron paramagnetic resonance spectrometer with high-frequency magnetic field modulation. IU. E. Pol'skii. Prib. i tekh. eksp. 8 no. 3:184-185 My-Je '63.

SPECTROPHOTOMETRY

Device for the atom-absorption spectrophotometry of a flame. N. S. Poluektov, S. E. Grinzaid. Zav. lab. 29 no. 8:996-1000 '63.

Spectrophotometric study of the reduction of sexivalent tungsten. E. F. Speranskaia. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2:195-200 '63.

SPECTROPOLARIMETRY

Optically active reagents for the carbonyl group. V. M. Potapov, G. P. Moiseeva, A. P. Terent'ev. Vest. Mosk. un. Ser. 2 Khim. 18 no. 4 26-29 Jl-Ag '63.

Spectropolarimetric study of certain amides and xanthates in connection with L. A. Chugaev's works. V. M. Potapov, V. M. Demianovich. Vest. Mosk. un. Ser. 2 Khim. 18 no. 4 24-27 Jl-Ag '63.

Spectropolarimetry, a new method of investigation in organic chemistry. V. M. Potapov. Vest. Mosk. un. Ser. 2 Khim. 18 no. 1 3-20 Jl-Ag '63.

SPECTROSCOPE

Method of attaching windows of optical crystals to lamps and cuvettes. A. K. Fiveiskaia, S. A. IAkovlev. Zav. lab. 29 no. 8:1007 '63.

SPECTRUM, INFRARED

Determination of tertiary amyl alcohol in the pentane-amylene fraction from infrared spectra. V. A. Terent'ev, M. A. Shaburov. Zav. lab. 29 no. 8:940-941 '63.

Express quantitative analysis of solutions of chloro derivatives of methane from infrared absorption spectra. N. A. Gozhenko, V. N. Malinko. Zav. lab. 29 no. 8, 943 '63.

Investigating by methods of radiometry and infrared spectroscopy the mechanism of the interaction of the ANP cation collector with apatite and calcite. S. F. Kuz'kin, V. I. Solnyshkin, Chzhen Iu-lun [Cheng Yu-lung]. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3: 35-39 '63.

Method of pressing samples for obtaining infrared spectra. N. I. Makarevich, N. A. Borisevich. Zav. lab. 29 no. 8:941-943 '63.

Temperature study of the infrared reflection spectra of $BaTiO_3$ and $SrTiO_3$ in the 2 - 1000μ region. V. N. Murzin, A. I. Demeshina. Fiz. tver. tela 5 no. 8 2359-2361 Ag '63.

SPECTRUM, SOLAR

Solar spectrum. D. M. Kuliev. Priroda 52 no. 8:31-37 Ag '63.

SPECTRUM ANALYSIS

Analytical use of a gas discharge tube with a double hollow cathode. N. P. Ivanov, E. N. Andrikanis. Zav. lab. 29 no. 8:1002-1005 '63.

Device for the heating of specimens for spectrum analysis. S. A. Skotnikov, IU. A. Savel'ev. Trudy Inst. met. no. 15 151-158 '63.

Error in spectral analysis connected with the nonlinearity of the characteristic curve of the photoplate. M. A. Averbukh. Zav. lab. 29 no. 8:9,36 '63.

Mortar for crushing solid crystals. A. N. Shteinberg. Zav. lab. 29 no. 8:1013-1014 '63.

New means for improving the reproducibility and the correctness of the spectral determination of the principal components of alloys. L. N. Filimonov. Zav. lab. 29 no. 8:930-935 '63.

Soveshchanie po spektroskopii, 13th, Leningrad, 1960. [Physical problems of spectroscopy] Fizicheskie problemy spektroskopii; materialy. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 2. 1963. 251 p.

Spectral study of polyphenylene and its block copolymers with p-diethynylbenzene. V. A. Vonsiatskii and others. Izv. AN SSSR, Ser. khim. no. 9:1654-1656 S '63.

Study of the reaction of methyl isothiocyanate with ethylene oxide by the proton magnetic resonance method. G. A. Razuvaev and others. Izv. AN SSSR, Ser. khim. no. 8:1518-1521 Ag '63.

Use of a cone-shaped intensely sharp arc for the spectral analysis of powdered samples. A. A. Gusel'nikov. Zav. lab. 29 no. 8:937-938 '63.

Why is the sky blue? Irina Radunskaia. Kul't. i zhizn' 7 no. 5:16-18 '63.

SPEECH, DISORDERS OF

Speech disorders in Pick's and Alzheimer's diseases. V. M. Bleikher. Vrach. delo no. 8:147-149 Ag '63.

SPERMATOZOA

Genetic consequences of the action of fast neutrons on sexual cells in male mice. M. D. Pomerantseva, L. K. Ramaiia. Dokl. AN SSSR 151 no. 1, 203-205 Jl '63.

SPHENE—ANALYSIS

Investigating the decomposition of sphene concentrates by sulfuric acid for the purpose of obtaining titanium sulfate solutions with a low acidity factor. IA. G. Goroshchenko, N. M. Kondratovich. Titan i ego splavy no. 9:149-157 '63.

SPHYGMOMANOMETER

Data on combined sphygmomanometry in hypotension with neuropsychic disorders. G. V. Ryzhikov. Trudy 1-go MMI 21:336-361 '63.

SPINAL CORD

Study of the effect of pharmacological substances on the transmission of stimulation in the spinal cord using intracellular microelectrodes [with summary in English]. A. I. Shapovalov. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:76-87 '63.

SPINAL CORD—DISEASES

X-ray therapy in syringomyelia. V. A. Korchemnyi. Vrach. delo no. 6:129-130 Je '63.

SPINAL CORD—HYDATIDS

Clinical aspects and diagnosis of Echinococcus of the brain and spinal cord [with summary in English]. A. I. Arutiunov. Vrach. delo no. 6:3-11 Je '63.

SPINAL CORD—TUMORS

Exercise therapy for patients with spastic paraplegias and parapareses of the lower extremities following the removal of a spinal cord tumor V. S. Krivokova. Vrach. delo no. 6:142-143 Je '63.

SPINAL CORD—WOUNDS AND INJURIES

Results of the treatment of the sequelae of gunshot wounds and traumata of the spinal cord and cauda equina at the Saki health resort. A. A. Lavrova. Vrach. delo no. 8:143-144 Ag '63.

SPINAL NERVES see Nerves, Spinal

SPINDLES (MACHINE TOOLS)

Stability, passage over the critical rotation numbers, and natural vibrations of high-speed spindles A. S. Kelʹzon, V. I. Priadilov Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2:153-163 '63.

SPINE—ABNORMITIES AND DEFORMITIES

"Result of treatment and prophylaxis of deformities of the spine in children" by A. A. Podʹlapolʹskaia, A. V. Uvarova. Reviewed by V. M. Postnikova. Vop. kur., fizioter. i lech. fiz. kulʹt. 28 no. 2:179 Mr-Ap '63

SPINE—DISEASES

Mikhailovskii, B. G. [X-ray diagnosis of spinal diseases] Rentgenodiagnostika zabolevanii pozvonochnika Moskva, Medgiz, 1963 259 p. (DNLM)

Use of a new kinesiological indicator in the evaluation of the effectiveness of some methods of health resort treatment of patients with the lumbar ischialgic syndrome. T. Mydlik, S. Liska, L. Welser Vop. kur., fizioter. i lech. fiz. kulʹt. 27 no. 5:393-397 S-O '62.

SPINE—TUBERCULOSIS

Change of the intercostal nerves in tuberculous spondylitis. A. L. Khait Probl. tub. no. 8:87-92 '62.

SPINNING

Kiselev, A. K. [New equipment and technology for the spinning of synthetic staple fibers] Novoe oborudovanie i tekhnologiia priadeniia shtapelʹnykh volokon [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1962 121 p.

Method of "symbol" correlograms for analyzing the nature of the nonuniformity of the products of spinning S. M. Kirilkhin Izv. vys. ucheb. zav., tekh. tekst. prom. no. 3:34-40 '63

Studying the drafting stresses in a type "2 y 3" curved field in the processing of nonuniform blends N. I. Shilova. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 3:62-67 '63.

Theoretical determining of the modal staple in the tow-to-sliver spinning F. F. Bezdudnyi Izv. vys. ucheb. zav., tekh. tekst. prom. no. 3:57-61 '63.

SPINNING MACHINERY

Effect of the doubling process on the sliver splicing board on the unevenness of combed flax sliver. V. T. Molochkova. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2:76-83 '63

Effect of the irregular movement of a spinning machine on yarn breakage. V. F. Nazarova Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2:55-60 '63

Evaluating the quality of controlled drafting mechanisms. A. S. Molchanov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 3:118-125 '63.

Magnetic press rollers of the drawing mechanism of roving machines. V. S. Goritskii. Tekst. prom. 23 no. 8:37-39 Ag '63.

Regulation of the pressure in the nozzles of spinning innaline separators by the length of the central air duct. A. V. Vishniakov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2:130-138 '63.

Ways of improving the performance of the back draft mechanism of spinning machines. M. F. Belov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2:67-75 '63.

SPINNING MACHINERY—TESTING

Some problems in the studying of the drafting process at high speeds. N. N. Truevtsev. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 3:68-71 '63.

SPINNING MACHINERY—TRANSMISSION DEVICES

Investigating the spindle band slip. N. A. Gerogievskii. Izv. vys. ucheb. zav.; tekh. tekst. prom. no. 3:126-131 '63.

SPINOR ANALYSIS

Gravitational transmutation of fermions [with summary in English]. Iu. S. Vladimirov. Zhur. eksp. i teor. fiz. 45 no. 2:251-259 Ag '63.

SPIRES see subdivision under Leningrad

SPITSBERGEN—BRACHIOPODA, FOSSIL

New data on Permian Brachiopoda of Spitsbergen. V. I. Ustritskii. Shor. st. po paleont. i bistrat. no. 26:74-89 '62.

SPLANCHNIC NERVES see Nerves, Splanchnic

SPLEEN—SURGERY

Indications for emergency splenectomy A. A. Agafonov. Kaz. med. zhur. no. 3:35-36 My-Je '63.

Leukemoid reaction following splenectomy in Werlhof's disease. R. Sh. Dashevskaia, V. V. Salamatina. Kaz. med. zhur. no. 3:80-81 My-Je '63

Splenectomy under conditions of a district hospital Z. V. Zaripov Kaz. med. zhur. no. 3:88 My-Je '63

SPLEEN—TRANSPLANTATION

Treatment of acute radiation sickness by homotransplantation of fresh and preserved spleen [with summary in English] V. A. Revis Med. rad. 7 no. 11:65-73 N '62

SPLENOPORTOGRAPHY

Splenomanometry and splenoportography as a method of diagnosis of portal hypertension M. P. Postolov. Kaz. med. zhur. no. 3:32-35 My-Je '63

SPONGES

Energy metabolism level in sponges. V. S. Ivlev, K. K. Iakovleva. Dokl. AN SSSR 152 no. 1:241-243 S '63.

SPONTANEOUS COMBUSTION see Combustion, Spontaneous

SPOREFORMING BACTERIA see Bacteria, Sporeforming

SPORES (BOTANY)

Morphographical classification of pollen and spores (based on the works of G. Erdtman) A. N. Sladkov Nauch. dokl. vys. shkoly, biol. nauki no. 3:104-111 '63

SPORTS

(see also subdivision under Armenia, Georgia)

From the Second to the Third Spartakiada of the peoples of the U.S.S.R. V. T. TSarik. Teor. i prak. fiz. kulʹt. 26 no. 6:15-17 Je '63.

Spartakiada of sixty millions. IU. Vanʹiat. Sov. profsoiuzy 19 no. 14:32-34 Jl '63.

Speaking about our starts and finishes. M. Vasilʹev Belarus' 20 no. 5:25 My '63

Struggle for records is flaring up. Aleksandr Kurashov. Kulʹt. i zhizn 7 no. 5:13-15 '63.

Vsesoiuznoe Dobrovolʹnoe obshchestvo sodeistviia armii, aviatsii i flotu. [Grade norms and requirements in various sports, supplement to "Sports for the masses"] Razriadnye normy i trebovaniia po vidam sporta; prilozhenie k sborniku "Sportivno-massovaia rabota." Moskva, Izd-vo DOSAAF, 1956. 77 p.

SPORTS—EQUIPMENT AND SUPPLIES

Photoelectronic and photoelectric leader with cycle timing. V. B. Morozov. Teor. i prak. fiz. kulʹt. 26 no. 6:27-29 Je '63.

SPORTS—ORGANIZATION AND ADMINISTRATION

(see also subdivision under Severodonetsk; Ufa)

Honor of the sports pennant. IU. Mashin. Mol. komm no. 8:42-47 Ag '63.

SPORTS—PHILOSOPHY

Beauty of the physical appearance of man. M. Pavlov. Teor. i prak. fiz. kulʹt. 26 no. 6:6-9 Je '63.

SPORTS—PHYSIOLOGICAL EFFECT

Relation between the respiratory rhythm and the motions of an oarsman in college plow rowing. I. I. Lazarev. Teor. i prak. fiz. kulʹt. 26 no. 6:33-37 Je '63.

SPORTS—PSYCHOLOGY

Current problems in the psychology of sports. A. TS. Puni. Teor. i prak. fiz. kulʹt. 26 no. 6:23-26 Je '63.

SPORTS MEDICINE

(see also subdivision under Kosino, Moscow region)

Changes in the activity of the heart (based on the frequency of its contraction) in the 100-meter dash and weight lifting. A. A. Arutsev. Sbor. trud. Gruz. gos. inst. fiz. kulʹt. 5:309-316 '62.

Diet during the training for important competitions. N. N. IAkovlev. Teor. i prak. fiz. kulʹt. 26 no. 6:17-20 Je '63.

Filin, V. P., ed. [Problems of sports for youth, papers on the physical education and sports preparedness of youth prepared by the institutes of physical education] Problemy iunosheskogo sporta, sbornik rabot institutov fizicheskoi kulʹtury po fizicheskomu vospitaniiu i sportivnoi podgotovke molodezhi. Moskva, Fizkulʹtura i sport, 1963 255 p.

Possible causes for the transition of the Sechenov's phenomenon into a negative phase. I. M. Trakhtenberg. Teor. i prak. fiz. kulʹt. 26 no. 6:29-33 Je '63.

SPRATS

Experimental and commercial preservation of Caspian sprats with sodium pyrosulfite for the production of fish meal S. V. Ezerskii. Trudy Inst. ikht. i ryb. khoz. AN Kazakh. SSR 1:211-233 '63.

SPRATS, CANNED see subdivision under Caspian Sea; Daghestan

SPRAY PAINTING—EQUIPMENT AND SUPPLIES

Automatic line for the painting of children's carriages with the jet spraying method, experience in the introduction and use. D. A. Kiknadze and others. Lakokras. mat. i ikh prim. no. 3:69-75 '63

SPRAY PAINTING—SAFETY APPLIANCES

Regulation of the concentration of the vapor of solvents by means of the SGG-2 signaling indicator of combustible gases. I. A. Livshits. IU. S. Polotskii Lakokras. mat. i ikh prim. no. 3:75-77 '63

SPRAYING AND DUSTING EQUIPMENT

Attachment for chemical weed control in crop fields. Z. S. Dagis, E. A. Rosen. Zashch. rast. ot vred. i bol. 8 no. 5:28-29 My '63.

Economic use of machines. Zashch. rast. ot vred. i bol. 8 no. 5:1-3 My '63.

Improving the RDOS-1 sprayer. A. V. Vasilenko. Les khoz. 16 no. 5:52 My '63.

In the Scientific and Technological Council. V. V. Filitsin. Zashch. rast. ot vred. i bol. 8 no. 5:58-60 My '63.

The ORP-G knapsack-tool pneumatic sprayer V. V. Filitsin Zashch. rast. ot vred. i bol. 8 no. 7:56 Jl '63

Universal turbosprayer. M. Ishchenko Tekh. v sel'khoz. 23 no. 5:75-77 My '63.

SPRAYING AND DUSTING IN AGRICULTURE

(see also subdivision under Kustanay Province, Lvov Province; Moldavia, Ukraine)

Exemplary work norms in plant protection. A. F. Chenkin. Zashch. rast. ot vred. i bol. 8 no. 5:39-40 My '63.

Low-volume spraying against the Colorado beetle. N. V. Startsev Zashch. rast. ot vred. i bol. 8 no. 7:16 Jl '63

Mist spraying in grape nurseries Kh. N. Zelikman Zashch. rast. ot vred. i bol. 8 no. 7:28-29 Jl '63

On the Lenin State Farm. E. G. Kuznetsova, R. D. Nosyreva. Zashch. rast. ot vred. i bol. 8 no. 5:4-7 My '63.

SPRAYING AND DUSTING IN FORESTRY

(see also subdivision under Ukraine)

Possibilities of the use of herbicides in one-year-old forest plantations M. S. Gershun, T. N. Guzeeva. Les. khoz. 16 no. 5:30-33 My '63

SPRINGS (MECHANISM)

Calculating the setting of a slotted spring. V. B. Zhukov. Vest. mashinostr. 43 no. 8:16-19 Ag '63.

SPRINGS (MECHANISM)—TESTING

Semiautomatic machine for testing disk springs. V. P. Shekhets and others. Mashinostroitelʹ no. 7:19 Jl '63.

SPRINKLERS

Blocking device for sprinkling. G. N. Kuzetchenko, V. K. Chunkin. Bezop. truda v prom. 7 no. 7:33-34 Jl '63.

SPRUCE

(see also subdivision under Kurile Islands; Latvia; Sakhalin)

Needle resources in spruce forests. V. V. Smirnov. Les. khoz. 16 no. 6:17-19 Je '63.

Prokopʹev, M. N. [The young spruce growth and its use in reforestation] Podrost eli i ego ispolʹzovanie dlia vosstanovleniia lesa. Moskva, Goslesbumizdat, 1963 64 p. (DNAL)

SPUTTERING (PHYSICS)

Theory of sputtering of metals by light ions. IU. V. Bulgakov. Zhur. tekh. fiz. 33 no. 4:500-504 Ap '63

Value of the effective collision radius in experiments on the sputtering and ion-electron emission of single crystals. E. S. Mashkova, V. A. Molchanov. Fiz. tver. tela 5 no. 8:2363-2364 Ag '63.

SQUASH

Comparative morphological characteristics and yield of some forms of vine crops N. N. Nigmanova. Uzb. biol. zhur. 7 no. 3:57-61 '63

SRIVASTAVA, DHANPAT RAI, 1881-1936

Hansraj, Rahbar, pseud. [Life and works of Premchand. Translated from the Hindi] Zhizn' i tvorchestvo Premchanda Moskva, Izd-vo vostochnoi lit-ry, 1963. 188 p.

STABILITY

Stability of a bending elastically pliable band. B. B. Lampsi. Trudy GISI no. 30:43-46 '61.

STABILITY OF SHIPS

Calculating the static stability of ships on a stern sea. N. F. Voevodin. Sudostroenie 29 no. 7:15-17 Jl '63.

Concerning P. Khokhlov's article "Determining the center of gravity of a vessel during an inclining experiment with trim difference" Mor. flot 23 no. 5:33-34 My '63.

Effect of listing on the wind drift of a vessel. B. V. Mirokhin. Sudostroenie 29 no. 5:12-14 My '63.

Emergency heeling of mud scows. IU. A. Plenkin. Trudy TSNIIMF no. 45:67-78 '63.

Plotting a diagram of static stability of ships on longitudinal waves. N. IA. Malʹtsev, A. Sh. Kogan. Sudostroenie 29 no. 7:17-19 Jl '63.

Stabilizing universal floating cranes and the allowable angles of heel. A. Aleinei. Rech. transp. 22 no. 7:16-18 Jl '63.

STAINLESS STEEL see Steel, Stainless

STAINS AND STAINING (MICROSCOPY)

Reaction with dyes in toxoplasmosis. S. G. Vasina. Trudy Inst. zool. AN Kazakh. SSR 19:16-30 '63.

STALINGRAD see Volgograd

718-453 O - 64 - 30

STALINGRAD, BATTLE OF, 1942-1943

Blinkov, N. I. [Two hundred days in battle] 200 dnei v bolakh. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1963. 158 p.

Selishchev, I. P. [The Volga in flames] Volga v ogne. Moskva, Gospolitizdat, 1963. 110 p. (Stranitsy istorii Sovetskoi Rodiny)

STALINGRAD PROVINCE see Volgograd Province

STALINO see Donetsk

STALINO PROVINCE see Donetsk Province

STALINSK see Novokuznetsk

STAMMERING

Editor's mail. G. Kazantsev and others. Semlia i shkola 18 no. 6-21-25 Je '63

STANDARDIZATION

International standardization in the field of still and motion-picture photography equipment. S. D. Karipidi. Tekh. kino i televi. 7 no. 8 62-66 Ag '63.

Methods for calculating savings resulting from the introduction of standards. B. D. Rabinovich. Standartizatsiia 27 no. 7:3-8 Jl '63.

Standardization exhibition in Leningrad. L. M. Sverdlov, R. P. Stukalov. Standartizatsiia 27 no. 7:51-54 Jl '63.

Standards and handbooks. T. A. Vvedenskii. Standartizatsiia 27 no. 7:50 Jl '63.

STANDARDIZATION—BIBLIOGRAPHY see Bibliography—Standardization

STANDARDS, ENGINEERING

Collected state standards. Standartizatsiia 27 no. 7:58-59 Jl '63.

Draft recommendations developed by the technical committees of the International Standardization Organization. Standartizatsiia 27 no. 7:55-57 Jl '63.

Foreign standards. Standartizatsiia 27 no. 7:60-64 Jl '63.

[Information index of standards] Inform. ukaz. stand. 24 no. 7 '63.

STANISLAV see Ivano-Frankovsk

STANISLAV PROVINCE see Ivano-Frankovsk Province

STAPHYLOCOCCAL DISEASE

Significance of the phagolyping test in the study of staphylococcal intoxications. V. S. Vitivker. Vrach. delo no. 6:100-101 Je '63.

STARAYA KUPAVNA—WOOLEN AND WORSTED MANUFACTURE

Lozovskaia, M. I. [Production organization in the Kupavna Fine-Worsted Fabrics Mill, an enterprise of communist labor] Organizatsiia proizvodstva Kupavinskoi tonkosukonnoi fabriki—predpriiatiia kommunisticheskogo truda. Moskva, Gizlegprom, 1963. 54 p.

STARCH INDUSTRY

(see also subdivision under Klimovsk; Ukraine; Yaroslavl)

Conference and seminar of the workers of the potato processing enterprises of the economic councils of the R. S. F. S. R. M. B. Sakh. prom. 37 no. 9 69-73 S '63.

Separation of stones from corn grains. F. N. Vostergova. Sakh. prom. 37 no. 9, 58-63 S '63.

STARCH INDUSTRY—BY-PRODUCTS

Improving the technology of the production of fodder proteins in potato starch plants. A. S. Vechar, B. F. Prakazau. Vestsi AN BSSR, Ser. biial. nav. no. 1:5-12 '63.

Zhirova, E. IA. [New method for the manufacture of glucose] Novyi metod polucheniia glukozy. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 36 p.

[MICROFILM]

STARS—OBSERVATIONS

Systems of declinations of the centers of Talcott pairs obtained from observations performed by the International Latitude Service. N. I. Panchenko, P. D. Dvulit. Trudy Polt. grav. obser. 12:110-114 '63.

STARS—RADIATION

Soft X-ray radiation from the stars. G. M. Nikol'skii. Dokl. AN SSSR 151 no. 3:536-538 Jl '63.

STARS—SPECTRA

Estimation of the intensities of N III emission lines in the spectra of stars [with summary in English]. A. A. Nikitin. Vest. LGU 18 no. 13:146-147 '63.

More precise definition of the spectral pattern of N III used in calculating its recombination spectrum in envelopes of stars and nebulae. Part 10 [with summary in English]. A. A. Nikitin. Vest. LGU 18 no. 13:148-149 '63.

STARS, DOUBLE

Ishchenko, I. M. [Some eclipsing binary stars in constellations Cygnus, Lacerta, and Cepheus] Nekotorye zatemnennye dvoinye zvezdy v sozvezdiiakh Lebedia, IAshcheritsy i TSefeia. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1963. 102 p. (Tashkent. Astronomicheskaia observatoriia. Trudy, Ser. 2, vol. 9)

Study of the eclipsing binary star SV Tauri [with summary in English]. I. N. Koshkina. Per. zvezdy 13 no. 6 412-419 '61.

STARS, VARIABLE

CH Cassiopeiae. N. Osipova. Per. zvezdy 13 no. 6:442-445 '61.

Fluctuations of the brightness of Pleione. A. S. Sharov. Per. zvezdy 13 no. 6:434-435 '61.

Investigation of variable stars in the dark cloud in Taurl [with summary in English]. G. S. Badalian. Soob. Biur. obser. no. 31:57-109 '62.

New evaluations of the brightness of RY Tauri. P. N. Kholopov. Per. zvezdy 13 no. 6:430-434 '61.

Observations of four Algol-type stars [with summary in English]. V. G. Karetnikov. Per. zvezdy 13 no. 6:420-427 '61.

Photographic observations of RS Ophiuchi. R. Kakhusk, Kh. Eelsalu. Per. zvezdy 13 no. 6:135-137 '61.

Photographic observations of the star KZP 416. G. V. Zaitseva. Per. zvezdy 13 no. 6:435-436 '61.

SX Cassiopeiae [with summary in English]. A. M. Shul'berg. Per. zvezdy 13 no. 6:407-411 '61.

Study of variable stars in the globular cluster NGC 6171 [with summary in English]. B. V. Kukarkin. Per. zvezd. 13 no. 6:384-390 '61.

Uninvestigated variable BV 114 Cygni. V. Sazonov. Per. zvezdy 13 no. 6 440-442 '61.

V 600 Aquilae. V. A. Chuprikov. Per. zvezdy 13 no. 6: 436-440 '61.

V 729 Cygni. V. Sazonov. Per. zvezdy 13 no. 6:445-446 '61.

Variable stars in the globular cluster M2 [with summary in English]. V. I. Kulikov. Per. zvezdy 13 no. 6:400-406 '61.

YZ Cancri is a U Geminorum-type variable with the shortest period. V. A. Vorob'eva, B. V. Kukarkin. Per. zvezdy 13 no. 6:428-429 '61.

STASOV, VASILII PETROVICH, 1769-1848

Pilliavskii, V. I. [Stasov, the architect] Stasov arkhitektor. Leningrad, Gosstroiizdat, 1963. 249 p.

STATE, THE

Aleksandrov, N. G., ed. [Basic theoretical principles of the state and law] Osnovy teorii gosudarstva i prava [By] N. G. Aleksandrov, i dr. Moskva, Gosiurizdat, 1963. 563 p.

The state and power. A. I. Korolev, A. E. Mushkin. Izv. vys. ucheb. zav., prav. 7 no. 2:15-26 '63.

STATE FARMS

(see also subdivision under Abayevskiy District; Azerbaijan; East Kazakhstan Province; Shadrinsk District; Stavropol Territory)

Akademiia nauk BSSR, Minsk. Institut ekonomiki. [Economic effectiveness of processing agricultural raw materials on collective and state farms] Ekanamichnaia efektyunasts' perapratsouki sel'skahaspadarchai syraviny u kalhasakh i sauhasakh. Minsk, 1962. 106 p. (DNAL)

Correlation analysis between the rates of the increase of labor productivity and wages. L. K. Borshchev. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 8 28-30 Ag '63.

Development of the state farms of the Russian Federation in 1954-1958 [with summary in English, p. 220]. V. V. Boltushkin. Vop. ist. 38 no. 8:19-29 Ag '63.

Ways to reduce the cost of construction on state farms. V. Rodionova. Fin. SSSR 37 no. 6, 41-47 Je '63.

STATE FARMS—ACCOUNTING

Accounting and distributing supplementary payments for products received on state farms. D. S. Bidenko. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5:8-9 My '63.

For model accounting. S. F. Nepomniashchii. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 8:13 Ag '63.

A new method of accounting for labor. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 8 7-8 Ag '63.

Readers share their experience, suggest and advise. Uchet. i fin. v kolkhoz. i sovkhoz. 20 no. 9:28 S '63.

STATE FARMS—AUDITING AND INSPECTION see subdivision under Kokchetav Province

STATE FARMS—COSTS

Mechanization is the path toward profitable production. I. N. Soldatov, N. P. Borisenko. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5:24-27 My '63.

STATE FARMS—FINANCE

(see also subdivision under Altai Territory)

Business accounting is the basis of the success. I. D. Dmitriev. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 8: 23-26 Ag '63.

Business accounting is the path to success. A. B. Kobiakov. Uchet. i fin. v kolkhoz. i sovkhoz. 20 no. 9:29-30 S '63.

How business accounting has benefited us. P. V. Dukach. Uchet. i fin. v kolkhoz. i sovkhoz. 20 no. 9:32 S '63.

The structure of capital assets and their utilization. IA. M. Blinkman. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5:28-29 My '63.

STATE FARMS—MANAGEMENT

(see also subdivision under Volgograd Province)

Economic council on a state farm. N. V. Ukhalov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5:22-23 My '63.

Thrift is better than wealth. M. S. IAgantsev. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7:30-32 My '63.

STATES, NEW—POLITICS

Ideas of freedom and oppression are irreconcilable. Az. i Afr. sog. no. 8, 2-3 Ag '63.

STATISTICS

Statistical problems discussed in newspapers and journals. Vest. stat. no. 8, 85-86 '63.

"The theory of statistics" by IU. E. Gaabe and others. Reviewed by N. Riauzov. Vest. stat. no. 6:79-83 '63.

STATISTICS—BIBLIOGRAPHY see Bibliography—Statistics

STATISTICS—PROBLEMS, EXERCISES, ETC.

Dolgushevskii, F. G., ed. [Problems in economic statistics] Sbornik zadach po ekonomicheskoi statistike [By] F. G. Dolgushevskii i dr. Moskva, Gosstatizdat, 1963. 311 p.

STAVROPOL—ACCOUNTING—STUDY AND TEACHING

Our practice in training accountants. A. F. Adrianov. Uchet i fin. v kolkho. i sovkhoz. 20 no. 8 37 Ag '63.

STAVROPOL PROVINCE—PEACH BREEDING

Effect of pollinizing varieties on the hybrid progeny in peach [with summaries in English, German, and French]. A. I. Seredenko. Vest. sel'khoz. nauki 8 no. 4:118-120 Ap '63.

STAVROPOL TERRITORY—AGRICULTURAL WAGES

Our practice and several deductions. N. Elizarov. Sots. trud 8 no. 6:40-44 Je '63.

STAVROPOL TERRITORY—LANGUAGES—STUDY AND TEACHING

Territory-wide foreign language contest. V. V. Dubakova. Inostr. iaz. v shkole no. 3:119-120 My-Je '63.

STAVROPOL TERRITORY—STATE FARMS

People are in the steppe. A. Uzhan. Ogonek 41 no. 28: 4-5 Jl '63.

STEAM BOILERS see Boilers

STEAM BOILERS, MARINE see Boilers, Marine

STEAM METERS

Kremlevskii, P. P. [Flowmeters; industrial instruments for measuring the consumption of liquids, gas and steam] Raskhodomery, proizvodstvennye pribory dlia izmereniia raskhoda zhidkosti, gaza i para. Moskva, Mashgiz, 1955. 435 p.

STEAM TURBINES

Additional steam heating of the cylinder of a steam turbine. G. I. Pavlovskii. Energomashinostroenie 9 no. 6:40 Je '63.

Consideration of strength in the design of the banding of the moving blades of steam turbines. M. P. Zinz'ko. Energomashinostroenie 9 no. 6:23-26 Je '63.

Determination of expenditure coefficients during the outflow of wet steam from a nozzle cascade. G. I. Pavlovskii, E. G. Bratuta. Izv. vys. ucheb. zav., energ. 6 no. 8 64-71 Ag '63.

Effectiveness of intermediate heating in back-pressure turbines. IU. L. Kertselli. Prom. energ. 18 no. 5:23-27 My '63.

Guarantees and tolerances. E. I. Borevskii. Elek. sta. 34 no. 6:35 Je '63.

Operational reliability of high-pressure boiler and turbine equipment. R. V. TSukerman, A. P. Nikonov, V. M. Bykov. Energomashinostroenie 9 no. 6:27-30 Je '63.

Study of turbine cascades in a steampipe. B. M. Troianovskii, E. V. Maiorskii. Energomashinostroenie 9 no. 6:39-40 Je '63.

STEAM TURBINES, MARINE

Condenser installations on the tank vessel "Druzhba" ("Friendship"). D. L. Bondarchuk. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10 42-45 '62.

Control of the operating conditions of condenser installations on "Leninskii Komsomol"-and "Sergei Botkin"-type ships. V. G. Ermilov, V. M. Levin. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10: 46-54 '62.

Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. [Methods of testing thermodynamic processes in marine steam-turbine plants] Metodika teplotekhnicheskikh ispytanii sudovykh paroturbinnykh ustanovok. Leningrad, Izd-vo, "Morskoi transport," 1962. 118 p.

STEAMBOAT LINES—COSTS OF OPERATION

Improve planning operations in seagoing steamship lines. A. Dolban. Mor. flot 23 no. 6:5-7 Je '63.

STEAMBOAT LINES—STATIONS

Serving passengers at harbor terminals. Mor. flot 23 no. 6:43 Je '63.

STEAMPIPES

Breakage of cast-iron fittings in steam supply lines. N. A. Izumskii. Bezop. truda v prom. 7 no. 7:16-17 Jl '63.

STEAMPIPES (Continued)

Effect of cold deformation on the stress-rupture strength of pipes from 12KhMF steel. E. I. Krutasova. Elek. sta. 34 no. 6 28-30 Je '63.

Effect of ovality on the long-term strength of bent pipes. A. A. Zakharov, A. A. Ivanov. Energomashinostroenie 9 no. 6:33-34 Je '63.

Heat transfer and hydraulic resistance in a bank of tubes with longitudinal ribbing. N. V. Zozulia, V. A. Shvarts, B. L. Kalinin. Izv. vys. ucheb. zav., energ. 6 no. 8 111-119 Ag '63.

Temperature drop along a double-pipe channelless heat conductor. B. N. Golubkov. Prom. energ. 18 no. 5: 30-32 My '63.

STEBNIK REGION—POTASSIUM SALTS

New data on the structure and potassium potential of the Stebnik deposit region. S. M. Korenevskii and others. Trudy VSEGEI 83 101-115 '62.

STEEL—ANALYSIS

Methods for determining boron in steels and alloys (survey). P. IA. IAkovlev, G. V. Kozina. Zav. lab. 29 no. 8:920-922 '63.

STEEL—BRITTLENESS

Effect of preliminary plastic deformations on the brittle strength of steel at 4 20°K. O. V. Klyavin, B. I. Smirnov. Fiz. met. i metalloved. 16 no. 1 134-136 Jl '63.

Temper brittleness of arsenic and chromium rail steel. A. N. Zannes and others. Stal' 23 no. 8:740-742 Ag '63.

STEEL—CORROSION

Corrosion of carbon steel under $CaCl_2$ solution films in an atmosphere of natural gas. F. K. Andriushchenko, V. I. Shagaidenko. Ukr. khim. zhur. 29 no. 6, 658-662 '63.

Corrosion of steels in mixtures of sulfuric acid with formaldehyde. A. L. Labutin, L. P. Mal'shina. Khim. mashinostr. no. 4:28-29 Jl-Ag '63.

Khanlarova, A. G. [Protection of steel against corrosion in neutral media] Zashchita stali ot korrozii v neitral'nykh sredakh. Baku, Azerbaidzhanskoe gos. izd-vo, 1962. 93 p.

STEEL—ELECTROMETALLURGY

Investigating the top pouring of electric-furnace steel. V. P. Osipov, B. A. Ermakov. Vop. proizv. stali no. 9 96-104 '63.

Medovar, B. L., and IU. V. Latash. [The rebirth of steel] Stal' rozhdaetsia vnov'. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no. 16)

STEEL—HARDENING

Hardening austenitic steels by cold plastic deformation. I. N. Bogachev, S. B. Rozhkova. Izv. vys. ucheb. zav.; chern. met. 6 no. 7:162-168 '63.

Hardness of annealed high-speed steel. A. P. Gulisov, S. M. Saverina. Standartizatsiia 27 no. 7:16-21 Jl '63.

Kinetics of the aging of commercial-grade iron and the nature of structural changes at various stages of aging. IU. A. Skakov, U. Kleinmikhel'. Fiz. met. i metalloved. 16 no. 1:51-56 Jl '63.

Natural aging of open-hearth rail steel. N. S. Mikhailets, N. G. Nikulin. Stal' 23 no. 7:648-650 Jl '63.

STEEL—HEAT TREATMENT

Effect of high pressure on the kinetics of carbon steel tempering. T. P. Ershova. Fiz. met. i metalloved. 16 no. 1 91-96 Jl '63.

New developments in research. N. P. Zhetvin, L. M. Freidlin, L. M. Rudakov. Stal' 23 no. 7:652 Jl '63.

STEEL—*INCLUSIONS*

Effect of electric slag heating and feed maintenance on the distribution of nitrogen, oxygen and nonmetallic inclusions in steel ingots. V. I. IAvoiskii, Sh. Sh. Bekturganov, D. A. Dudko. Izv. vys. ucheb. zav.; chern. met. 6 no. 7:47-51 '63.

Nonmetallic inclusions in rail steel. L. P. Tarasova and others. Stal' 23 no. 8:738-740 Ag '63.

STEEL—MAGNETIC PROPERTIES

Apparatus for determining the magnetization curve for electrical steel in weak fields. A. Z. Veksler, N. V. Pen'kov. Trudy inst. Kom. stand., mer i izm. prib. no. 72:59-72 '63.

STEEL—METALLOGRAPHY

Structural heterogeneity of killed steel ingots. N. G. Bogdanova, V. N. Maslova. Stal' 23 no. 8:742-746 Ag '63.

STEEL—METALLURGY
(see also subdivision under Zhdanov)

Characteristics of the procedure for converting phosphorous pig iron in redesigned open-hearth furnaces operating on natural gas. F. F. Sviridenko, P. T. Krivenko, N. T. Vistorovskii. Stal' 23 no. 8:700-704 Ag '63.

Intensification of steelmaking in open-hearth furnace plants. V. P. Pogorelyi, N. M. Korkoshko, G. S. Kolganov. Stal' 23 no. 7:606-607 Jl '63.

New developments in research. A. S. Babii, A. A. Tol'skii. Stal' 23 no. 7:623 Jl '63.

New developments in research. G. V. Serdiukov, G. A. Khasin, V. N. Davidiuk. Stal' 23 no. 8:719-720 Ag '63.

Oxygen removal from molten iron deoxidized by aluminum. V. P. Karasev, P. IA. Ageev. Izv. vys. ucheb. zav., chern. met. 6 no. 7:83-90 '63.

Production of medium-carbon capped steel. V. V. Leporskii and others. Stal' 23 no. 8 696-699 Ag '63.

Thermal softening of "white films." K. V. Savitskii, IU. I. Kogan, M. P. Kudrina. Izv. vys. ucheb. zav.; fiz. no. 4 166-170 '63.

STEEL—PICKLING

Concerning the method of transformer steel film pickling. M. I. Nekrasova, B. K. Sokolov. Fiz. met. i metalloved. 16 no. 1 149-151 Jl '63.

STEEL—QUENCHING

Comparative evaluation of two types of spray quenching systems for pipe hardening. A. S. Kadilova, G. N. Kheifets. Stal' 23 no. 7:656-658 Jl '63.

Vortex refrigerating unit for cold treatment of steel. V. I. Metenin. Vest. mashinostr. 43 no. 8:60-62 Ag '63.

STEEL—TESTING

Study and classification of steels and alloys at the Central Research Institute of Ferrous Metallurgy. A. S. Kaplan. Standartizatsiia 27 no. 7:41-45 Jl '63.

Testing the bearing strength of a rail steel under repeated impact stress. A. D. Konkukhov, V. N. D'iakonov. Zav. lab. 29 no. 8:984-986 '63.

STEEL, STAINLESS

Coping with the production of stainless steel plate. V. I. Rospasienko, F. M. Esman. Stal' 23 no. 7 637-638 Jl '63.

Reducing metal sticking on the rolls during the hot rolling of stainless tubes. A. P. Chekmarev and others. Stal' 23 no. 7:631-635 Jl '63.

STEEL, STAINLESS—ELECTROMETALLURGY

Electrolytic separation of nonmetallic inclusions in stainless steel. IU. G. Emel'ianenko, K. K. Prokhorenko, A. E. Tiutina. Vop. proizv. stali no. 9:73-78 '63.

STEEL, STAINLESS—METALLURGY

Improving the technology of smelting and pouring stainless steel. K. K. Prokhorenko and others. Vop. proizv. stali no. 9:51-64 '63.

Plasticity of stainless austenitic steels during rolling, depending on their secondary oxidation during pouring. N. F. Nakonechnyi. Vop. proizv. stali no. 9:65-72 '63.

STEEL ALLOYS—METALLURGY

Production of 18KhNT and 15KhGNTA steel in open-hearth furnaces. O. IA. Vainshtein and others. Stal' 23 no. 7:621-623 Jl '63.

STEEL INDUSTRY see subdivision under Drug, India; Volgograd

STEEL INDUSTRY—BY-PRODUCTS

Production of mineral fertilizers from open-hearth furnace slag. V. E. Sidak. Stal' 23 no. 8:766-767 Ag '63.

STEEL INDUSTRY—CONGRESSES

Second All-Union Conference on the Automation of Industrial Processes in Ferrous Metallurgy. V. IU. Kaganov. Stal' 23 no. 7:668-670 Jl '63.

STEEL INDUSTRY—LABOR PRODUCTIVITY

For a further increase of labor productivity in ferrous metallurgy. Stal' 23 no. 7:577-580 Jl '63.

STEEL INDUSTRY—MANAGEMENT
(see also subdivision under Ukraine)

Veselov, N. G. [Ways to utilize the production funds of an enterprise to better advantage] Puti luchshego ispol'zovaniia proizvodstvennykh fondov predpriiatiia. Izd. 2. Moskva, Metallurgizdat, 1963. 40 p. (Osnovy ekonomiki predpriiatii chernoi metallurgii)

STEEL INDUSTRY—TECHNOLOGICAL INNOVATIONS

Important source for lowering the production costs of the steel industry. N. Kaliia, N. Shapovalov. Komm. Ukr. 38 no. 8:87-91 Je '63.

STEEL INGOTS

Characteristics of continuous transformer steel ingots. G. M. Itskovich and others. Stal' 23 no. 7:643-648 Jl '63.

Effect of electric slag heating and feed maintenance on the distribution of nitrogen, oxygen and nonmetallic inclusions in steel ingots. V. I. IAvoiskii, Sh. Sh. Bekturganov, D. A. Dudko. Izv. vys. ucheb. zav.; chern. met. 6 no. 7:47-51 '63.

Efficient shape of sheet ingots of killed steel. V. P. Grebeniuk. Vop. proizv. stali no. 9:105-120 '63.

Investigating the top pouring of electric-furnace steel. V. P. Osipov, B. A. Ermakov. Vop. proizv. stali no. 9: 96-104 '63.

Measures for improving the top pouring of steel. V. A. Efimov and others. Vop. proizv. stali no. 9:79-95 '63.

Rapid filling of the riser-head part of ingots. V. V. Leporskii and others. Stal' 23 no. 8:705-706 Ag '63.

Structural heterogeneity of killed steel ingots. N. G. Bogdanova, V. N. Maslova. Stal' 23 no. 8 742-746 Ag '63.

STEEL PIPE see Pipe, Steel

STEERING GEAR

New method of rudder filling. G. P. Kurilko. Sudostroenie 29 no. 7 67-68 Jl '63.

STEERING GEAR—ELECTRIC DRIVING

Steering gear with an electric drive and magnetic amplifier on motorships of the "Krasnograd" type. O. N. Aronov. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:71-83 '62.

STEINBECK, JOHN, 1902-

Ma Joad, heroine of John Steinbeck's "The grapes of wrath." Marianne Milhaud. Zhen. mira no. 4:31-32 '63.

STEL'MAKH, MIKHAIL AFANAS'EVICH, 1912-

"Little Olenka." B. Mykolaienko. Doshk. vykh. 24 no. 7: 41-42 Jl '63.

STEPPE FLORA see subdivision under Belaya Valley (Bashkiria); Transbaikalia

STEREOCHEMISTRY

Effect of electron-donor additions on the chain structure in the stereospecific polymerization of butadiene. B. S. Turov and others. Dokl. AN SSSR 151 no. 5 1118-1119 Ag '63.

Optical anisotropy of molecules of polystyrene and poly-p-methystyrene stereoisomers [with summary in English]. V. N. TSvetkov, N. N. Boitsova. Vysokom. soed. 5 no. 8:1263-1267 Ag '63.

Stereochemistry of cyclic compounds. Report No. 55: Steric orientation of the diene condensation of 1-vinyl-Δ^1-cyclohexene with trans-β-nitropropylene. G. M. Segal', L. P. Rybkina, V. F. Kucherov. Izv. AN SSSR, Ser. khim. no. 7:1253-1258 Jl '63.

Stereochemistry of cyclic compounds. Report No. 56: Steric course of the diene condensation of 1-(α-vinyl chloride)-Δ^1-cyclohexene with trans-nitropropylene. G. M. Segal', L. P. Rybkina, V. F. Kucherov. Izv. AN SSSR, Ser. khim. no. 8:1421-1428 Ag '63.

STEREOPHONIC SOUND SYSTEMS

Effect of the acoustics on the quality of stereophonic transmission. V. S. Man'kovskii. Tekh. kino i telev. 6 no. 4:19-25 Ap '62.

STEREOSCOPE

Increasing the scope of the work of the SD-1 stereograph. G. D. Cheremnykh. Geod. i kart. no. 6, 49-50 Je '63.

STERNUM—DISEASES

Lymphogranulomatosis of the sternum. L. R. Kuvaeva. Vest. rent. i rad. 38 no. 2:64-65 Mr-Ap '63.

STEROIDS

Excretion of 17-ketosteroids in pulmonary cardiac insufficiency [with summary in English]. A. I. Levin, A. A. Koval'chuk. Vrach. delo no. 8, 33-36 Ag '63.

STIBINE

Triallylstibine. A. E. Borisov, N. V. Novikova, A. N. Nesmeianov. Izv. AN SSSR, Ser. khim. no. 8:1500-1507 Ag '63.

STIL, ANDRE, 1921-

Thoughts about socialist art. E. Trushchenko. Vop. lit. 7 no. 7:185-188 Jl '63.

STILBAZO

Determination of small amounts of aluminum in metallic silver by means of stilbazo [with summary in English]. O. I. Kobanova, M. A. Daniushchenkova. Zhur. anal. khim. 18 no. 6, 780-781 Je '63.

STILLBIRTH

Problem of the management of labor with a dead fetus. Z. G. Patrenko. Ped., akush. i gin. 25 no. 2:57-59 '63.

STIMULANTS

Compound use of aminazine antagonists [with summary in English]. B. I. Liubimov. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:104-114 '63.

Effect of some new stimulants (phenatine and its derivatives, pyridoxyphen) on the cardiovascular and nervous system [with summary in English]. S. IA. Arbuzov. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:205-217 '63.

Study of the effect of pharmacological substances on the transmission of stimulation in the spinal cord using intracellular microelectrodes [with summary in English]. A. I. Shapovalov. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:76-87 '63.

STOCK (FLOWER)

Obtaining high yields of stock seeds. L. S. Ippolitov. Dokl. TSKHA no. 82:347-353 '61.

STOCK AND STOCKBREEDING
(see also subdivision under Buda-Koshleva District; Gomel' District; Kazakhstan)

Akademiia nauk SSSR. Institut genetiki. [Genetics in agriculture] Genetika—sel'skomu khoziaistvu. Moskva, Izd-vo Akad. nauk SSSR, 1963. 704 p. (DNAL)

STOCK AND STOCKBREEDING (Continued)

[illegible] of calculations and weighing of animals. S. I. Petrushenko, A. I. Startsov, IE. M. Antonov. Vestn. sel'khoz. nauki [illegible] 27-30 [illegible] '63.

[illegible] ultraviolet irradiation of animals [with summaries in English, German, and French]. D. A. [illegible] Vest. sel'khoz. nauki [illegible] no. 1 [illegible]

[illegible] [with summary in English] [illegible] 324-330 Je [illegible]

STOCK AND STOCKBREEDING—ABSTRACTS

[Animal husbandry. Veterinary medicine] Ref. zhur., Zhiv. Vet. [illegible] 13-20 O '63.

STOCK AND STOCKBREEDING—ACCOUNTING see subdivision under Czechoslovakia

STOCK AND STOCKBREEDING—FINANCE

[illegible] V. M. Azarik [illegible] 47 [illegible]

STOCK AND STOCKBREEDING—STATISTICS

[illegible] total production. [illegible] 27-30 '63.

STOCK AND STOCKBREEDING—STUDY AND TEACHING

[illegible] agricultural schools [illegible] Je-Ag '63

STOLIN DISTRICT—FLAX

[illegible] I. an Kirevich [illegible] Rab [illegible] 4-5 [illegible] '63

STOMACH

[illegible] the erosive [illegible] M. H. Shmanov [illegible] 1 271 [illegible] '62

[illegible] pharmacotherapy (effect of neurotropic drugs on vegetative reflexes and the trophic [illegible] of the stomach wall) [with summary in English] [illegible] V. Anichkov, I. N. Zavidskaia, V. L. Ruzhenkov [illegible] Inst. eksper. med. AMN SSSR 3 14-21 '63

STOMACH—ABNORMITIES AND DEFORMITIES

Two cases of "thoracic stomach." M. Z. Kaushanskii, Kh. M. Salita. Probl. tub. no. 8 103-110 '62

STOMACH—CANCER

Rigid antral gastritis as a precancerous state of the stomach. K. A. Marangelaia. Kaz. med. zhur. no. 3 3-7 My-Je '63

STOMACH—DISEASES

Change in the migration of white blood cells from the [illegible] mucosa in disorders of secretory activity of the stomach. M. A. Gorshkova. Vest. otorin. no. 1 54-[illegible]

STOMACH—INFLAMMATION

Acid [illegible] milk products in the treatment of peptic ulcer and chronic gastritis [with summary in English]. P. A. [illegible] Vrach. delo no. 6 41-45 Ag '63.

Interrelationship between chronic tonsillitis and chronic gastritis. IU. I. Fishzon-Ryss, IU. B. Gal'perin. Vest. otorin. [illegible] 70-74 '63

Intragastric temperature in patients with chronic gastritis [with summary in English]. I. V. Vavril. Vrach. delo no. 6 51-53 Je '63.

Rigid antral gastritis as a precancerous state of the stomach. K. A. Marangelaia. Kaz. med. zhur. no. 3 3-7 My-Je '63

Use of enzymatin in the compound treatment of peptic ulcer and chronic gastritis. IU. I. Fishzon-Ryss. Kaz. med. zhur. no. 3 12-14 My-Je '63

STOMACH—RADIOGRAPHY

Perforation of gastric ulcer following X-ray examination. V. M. Gareeva. Vrach. delo no. 6 134-135 Je '63.

STOMACH—SECRETIONS

Effect of "Mzinabi" mineral water on the secretory and evacuatory function of the stomach. D. L. Perelmuter, V. G. Sokolovskaia. Vrach. delo no. 8 127-128 Ag '63.

STOMACH—SURGERY

Immediate and late results of stomach resection in chronic gastric and duodenal ulcers [with summary in English]. V. P. Samofalov. Sov. med. 27 no. 7:7-10 Jl '63.

Immediate and late results of surgical treatment in chronic ulcers of the cardia. IU. V. Levin. Kaz. med. zhur. no. 3 72-73 My-Je '63

Intraintestinal feeding and aspiration of digestive juices following stomach resection. I. P. Maslov. Kaz. med. zhur. no. 3 74-75 My-Je '63.

Relation of histological changes in the gastric stump to the secretion of hydrochloric acid and uropepsin in the late postresection period. V. Salupere. Terap. arkh. 35 no. 1 59-65 Ja '63.

Resection of the stomach in peptic ulcer with hemorrhage. Kh. Z. Akhunzianov. Kaz. med. zhur. no. 3 73-74 My-Je '63

Some current problems in the diagnosis and surgical treatment of multiple ulcers of the stomach and duodenum. S. I. Kotova. Kaz. med. zhur. no. 3 15-17 My-Je '63

Symposium on the topic "Jejunogastroplasty in gastrectomy and resection of the stomach." D. V. Ponomarev, N. S. Timofeev. Kaz. med. zhur. no. 3 117-118 My-Je '63

STOMACH—TUMORS

Combined treatment of lymphogenic tumors of the stomach. L. F. Zisman. Sov. med. 27 no. 7 135-137 Jl '63.

Eosinophilic granuloma of the stomach. P. S. Gurevich, M. L. Genkin, N. K. Zemskov. Kaz. med. zhur. no. 3 77-78 My-Je '63

STOMACH—ULCERS

Argyria as a result of the treatment of stomach ulcers with silver nitrate. S. I. Kamalova, Z. G. Khamidullin. Kaz. med. zhur. no. 3 68-69 My-Je '63

Immediate and late results of surgical treatment in chronic ulcers of the cardia. IU. V. Levin. Kaz. med. zhur. no. 3 72-73 My-Je '63

Novocaine block as a method of pathogenetic therapy for gastric peptic ulcer. N. N. Koznetsov. Sov. med. 27 no. 7 121-125 Jl '63.

STONE AGE see subdivision under Pamirs; Tajikistan, Ukraine

STONE FRUIT—DISEASES AND PESTS

Coccomyces infection of stone fruit. L. Zerbele, E. N. Lukhanova. Zashch. rast. ot vred. i bol. 8 no. 5:20-21 My '63.

STONECUTTING

Voronikhina, A. N. [Malachite in the Hermitage collections] Malakhit v sobranii Ermitazha. Leningrad, Izd-vo Gos. Ermitazha, 1963. 93 p. illus. (With summary in French)

STONECUTTING—EQUIPMENT AND SUPPLIES

Rock-cutting machine. D. Vishnevkin. Izobr. i rats. no. 7 6 '63

STONECUTTING—SAFETY MEASURES

Makulin, I. S. [Safety manual for stonecutters] Pamiatka po tekhnike bezopasnosti dlia rezchika kamnia. Moskva, Gosstroiizdat, 1963. 37 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

STONY TUNGUSKA VALLEY see Podkamennaya Tunguska Valley

STORAGE BATTERIES

Automatic switching-in of a charging power supply. G. Savchenko. Tekh. v sel'khoz. 23 no. 5:39-40 My '63

Effect of the conditions of charging on the electrochemical characteristics of the silver electrode in silver-zinc batteries. V. N. Flerov. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2 280-285 '63.

Improvement of rectifiers for charging the storage batteries of electric loaders. IU. V. Chetyrin. Prom. energ. 18 no. 8 22 Ag '63.

Possibility of using polystyrene in nickel bases of alkaline batteries. V. S. Porolkova, N. I. Melekhova, A. S. Zakharov. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2 286-293 '63.

STOROZHINETS REGION—*EARTHQUAKE*

Earthquake of May 10, 1950 near Storozhinets. IE. A. Sahalova. Kat. karp. zemletrus. no. 6 15-20 '63.

STRABISMUS

Measurement of interpupillary distance in strabismus with incorrect fixation. V. E. Kagan. Uch. zap. GNII glaz. bol. no. 8 248-250 '63.

STRAINS AND STRESSES

Condition for complete plasticity in the case of axial symmetry. D. D. Ivlev, T. N. Martynova. PMTF no. 3:102-104 My-Je '63.

Deformation and stability properties of asbestos *cement* subject to axial tension and lateral bending. IU. A. Argo. Trudy NIIAsbesttsementa no. 14 71-79 '62.

Device for maintaining constant stress in an *uniaxially* stretching sample. E. E. Tomashevskii, A. I. Slutsker. Zav. lab. 29 no. 8 994-996 '63.

Displacement, strain, and stress in plane problems in Cartesian, polar, and elliptic coordinates. T. D. Akhmedov. Sbor. nauch.-issl. rab. TTI no. 15:91-109 '62.

Distribution of stresses in bottoms. V. I. Nikolin. *Trudy Inst. gor. dela UFAN SSSR* no. 5 61-63 '63.

Nomogram for calculating the tensile stresses in turbine blades of variable cross section. G. IA. Shnitser. Sudostroenie 29 no. 5:28-30 My '63.

Position of the *plane* of conjugation in combination prestressed elements. V. K. Perekhvatov. Trudy GISI no. 30:69-77 '61.

Strength of bottom plates. N. F. Ershov. Trudy GISI no. 30:77-97 '61.

STRATIGRAPHIC GEOLOGY *see* Geology, Stratigraphic

STRATIGRAPHIC PALEONTOLOGY see Paleontology, Stratigraphic

STRAW

Progressive method of gathering and stacking straw. V. Kotelianets, E. Kremlnskaia. Ekon. sel'. khoz. 31 no. 7 104-107 Jl '63

STRAWBERRIES

Nature of the interrelationship between the growth and development of the root system and aerial organs in the strawberry. A. G. Rozhdestvenko. Dokl. [illegible] no. 62 289-302 '61.

Relation between the yield of the strawberry and the [illegible] of foliar feeding and the age of the plants. V. A. [illegible]zheva. Dokl. TSKHA no. 6[illegible] [illegible] '61.

STRAWBERRIES—DISEASES AND PESTS

Strawberry protection. E. P. Savzdarg. Zashch. rast. ot vred. i bol. 8 no. 5:53-54 My '63.

STREAM MEASUREMENT see subdivision under Gedenshtroma

STREETS

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.
   Pt. 2, Sec. K ch. 3 [Streets, roads, and squares in populated places, standards of design] Ulitsy, dorogi i ploshchadi naselennykh mest, normy proektirovaniia (SNIP II-K, 3-62). 1963. 32 p.

STRENGTH OF MATERIALS

Calculations according to the limiting state of flexible wooden rods. A. V. Vetrov. Trudy GISI no. 30:157-164 '61.

Investigation of the structural properties of high-strength silicate concrete and the possibility of prestressing it. A. F. Shchutov. Trudy GISI no. 30:113-156 '61.

Mechanism of the delayed destruction of polyester resin reoplastics. V. A. Bernshtein, L. A. Glikman. Fiz. tver. tela 5 no. 8:2270-2284 Ag '63.

Principal requirements for correlating the criteria of static and cyclic strength of metals. L. A. Oding, V. S. Ivanova, IU. P. Liberov. Dokl. AN SSSR 151 no. 1 [illegible] 95 Jl '63.

Time dependence of the strength of heterogeneous materials. V. A. Bernshtein, L. A. Glikman. Fiz. tver. tela 5 no. 8 2270-2277 Ag '63.

Using specimens with variable cross section for determining the strength of brittle materials. L. I. Gutovskii. Izv. vys. ucheb. zav., prib. 6 no. 3:143-148 '63

STREPTOMYCIN—TOXICOLOGY

Severe anaphylactic reaction caused by the protein of penicillin and streptomycin. I. M. Kats, V. A. Zvin[illegible]ovich. Vrach. delo no. 8 132-133 Ag '63.

STRESS (PHYSIOLOGY)

Influence of occupational physical strain and other factors on the blood cholesterol and lipoprotein levels [with summary in English]. G. A. Gol'dberg. Kardiologiia 3 no. 3 62-68 My-Je '63.

Psychic stress and its investigation. M. Bogovin. Voen.-med. zhur. no. 8:88-91 '63

STRIKES AND LOCKOUTS see subdivision under Great Britain; Italy; Spain

STRIKES AND LOCKOUTS—TEXTILE INDUSTRY see subdivision under Moscow

STRIP CROPPING

Strip arrangement of field crops. G. G. Berestovskii. Zemledelie 25 no. 9:78-84 S '63.

STRIP MINING

(see also subdivision under Karpinsk region)

Calculated layout of a multilayer slope. V. F. Bogatskii. Trudy Inst. gor. dela UFAN SSSR no. 5:125-129 '63.

Determination of a permissible coefficient of overburden. N. I. Shanin. Gor. zhur. no. 8 12-14 Ag '63.

Determining the final depth of a pit in working flat deposits. P. T. TSeronshchikov. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 7:38-39 '63.

Determining the minimum acceptable width of work areas in conditions of the *Medvezhiy Ruchey* open-pit mine. B. P. IUmatov, V. G. Shitarev. Izv. vys. ucheb. zav., tsvet. met. 6 no. 3:22-28 '63.

Effect of weathering on the stability of ore pit sides. K. I. Dudushkina. Trudy Inst. gor. dela UFAN SSSR no. 5:117-124 '63.

Parameters of leveled-off sides of pits in rocks. V. T. *Sapozhnikov*. Trudy Inst. gor. dela UFAN SSSR no. 5:91-95 '63.

Problems in the economic efficiency of using *thermal drilling* in open-pit workings. N. Niiazov. Nauch. trudy MGI no. 43:75-80 '62.

Problems in the technology of open-pit mining operations using excavators, based on the caving method. E. G. Chaikovskii. Trudy Inst. gor. dela Sib. otd. *AN SSSR* no. 7:80-90 '62.

STRIP MINING—ELECTRIC EQUIPMENT

Performance of the transformer neutral lines in strip mines. A. L. Prots and others. Prom. energ. 18 no. 5:32-37 My '63.

STROMATOLITES
Stromatolites and phototropism. A. G. Vologdin. Dokl. AN SSSR 151 no. 3 683-686 Jl '63.

STRONTIUM
(see also subdivision under Khibiny Mountains)
Crystal structure of TR-Sr-apatite. S. V. Borisov, R. F. Klevtsova. Zhur. strukt. khim. 4 no. 1 629-631 Jl-Ag '63.
Geochemistry of strontium and barium in sulfur sedimentation [with summary in English]. N. P. Ushkin. Geokhimiia no. 12, 1089-1093 '62.

STRONTIUM—ANALYSIS
Separation of barium from strontium with the aid of complexon III. Sulfate method for separating alkaline earth elements [with summary in English]. L. I. Afanas'eva. Zhur. anal. khim. 18 no. 6 712-716 Je '63.
Turbidimetric determination of small amounts of strontium [with summary in English]. Iu. M. Rogozin. Zhur. anal. khim. 18 no. 6 777-779 Je '63.

STRONTIUM—SPECTRA
Flame-photometric determination of strontium in a methane-air flame using the SF-5 spectrophotometer. G. P. Aleksandrov and others. Ukr. khim. zhur. 29 no. 6 623-627 '63.

STRONTIUM CHLORIDE CRYSTALS—SPECTRA
Complexes of impurity ions in strontium chloride crystals. M. I. Kornfel'd, L. S. Sochava. Fiz. tver. tela 5 no. 8: 2232-2235 Ag '63.

STRONTIUM FERRATES
Permanent magnets of barium-strontium ferrates. Pavel Chutny. Fiz. met. i metalloved. 16 no. 1 142-143 Jl '63.

STRONTIUM FLUORIDE
Electron paramagnetic resonance of Eu^{2+} ions in BaF_2 and SrF_2 single crystals. V. M. Vinokurov and others. Fiz. tver. tela 5 no. 7 1936-1939 Jl '63.

STRONTIUM TITANATE
Temperature study of the infrared reflection spectra of $BaTiO_3$ and $SrTiO_3$ in the 2 - 1000 region. V. N. Murzin, A. I. Demeshina. Fiz. tver. tela 5 no. 8 2359-2361 Ag '63.

STROPHANTHIN
Clinical importance of analyzing the duration of the systolic phases in patients with circulatory insufficiency under the influence of acute strophanthin loads [with summary in English]. V. I. Ostrovskaia. Kardiologiia 3 no. 3 70-72 My-Je '63.

STRUCTURAL FRAMES—WELDING
Okerblom, N. O., V. P. Demlantsevich, and I. P. Baikova. [Planning the procedure for the manufacture of welded structures, design methods] Proektirovanie tekhnologii izgotovleniia svarnykh konstruktsii, raschetnye metody. Leningrad, Sudpromgiz, 1963. 602 p.

STRUCTURAL GEOLOGY see Geology, Structural

STRUCTURES, THEORY OF
Krotov, Iu. V. [Special case of lateral instability of twin arches] Osobyi sluchai bokovoi neustoichivosti sparennykh arok. Novokuznetsk, Sibirskii metallurg in-t im. Sergo Ordzhonikidze, 1962. 11 p. [MICROFILM]

STRUNNIKOV, NIKOLAI IVANOVICH, 1871-1945
Works of N. I. Strunnikov. N. Rodzin. Iskusstvo 26 no. 5: 36-42 '63.

STRYCHNINE
Strychnine nitrate treatment of acute barbiturate poisoning. N. K. Fedorova. Vrach. delo no. 8: 144-145 Ag '63.

STUDENT ACTIVITIES
(see also subdivision under Krasnodar Territory; Moscow)
Every minute is precious. V. Lipchanskaia. Prof.-tekh. obr. 20 no. 8: 22 Ag '63.
Organizing homework in schools with longer hours. B. S. Kobzar'. Sov. pedag. 27 no. 6: 77-83 Je '63.
Thoughts inspired by exhibits. G. Smirnov. Tekh. mol. 30 no. 11: 17 '62.
Training in activeness. V. Khadaev. Nar. obr. no. 6: 60-65 Je '63.

STUDENT AID
Legal advice. L. Koniakhin. Mol. komm. no. 9: 94 S '62.

STUDENT EMPLOYMENT
Inquisitive, persistent and diligent. Nar. obr. no. 6: 52-59 Je '63.

STUDENT HOUSING see subdivision under Samarkand

STUDENT TEACHING see subdivision under Tula Province

STUDENTS
(see also subdivision under Moscow)
Attitude toward students at the Second Congress of the Russian Social Democratic Party. Iu. N. Sorin. Sov. pedag. 27 no. 7: 29-37 Jl '63.

STUDENTS, FOREIGN see subdivision under Germany, West

STUDENTS' SOCIETIES see subdivision under Minsk

STUPINO DISTRICT—VEGETABLES
Who is going to pay for the vegetables? I. T. Rezisov. Uchet i kontr. v kolkhoz i sovkhoz 20 no. 8: 27 Ag '63.

STURGEONS
(see also subdivision under Ural River)
New developments in the field of science and technology. Belarus' 20 no. 5: 31 My '63.
Types of hemoglobin in young sturgeons. L. T. Golovanenko. Dokl. AN SSSR 151 no. 5: 1236-1237 Ag '63.
Vsesoiuznoe soveshchanie po voprosam razvitiia osetrovogo khoziaistva v vodoemakh SSSR, Moscow, 1961. [Sturgeons in the bodies of water of the U. S. S. R.] Osetrovoe khoziaistvo v vodoemakh SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 206 p.

STYLE, LITERARY
Two books on the language and style of literary works. O. I. Rak. Vest. LGU 18 no. 14: 125-128 '63.

STYLOLITES—ANALYSIS
Organic matter of stylolites [with summary in English]. M. E. Kaplan. Geokhimiia no. 8: 754-756 Ag '63.

STYRENE
Fractionation of a copolymer of methyl methacrylate with styrene. L. G. Kudriavtseva and others. Neftekhimiia 3 no. 3: 313-317 My-Je '63.
Kinetics of catalytic hydrochlorination of styrene. Iu. M. Zhorov, I. G. Mirgaleev, Ia. M. Paushkin. Neftekhimiia 3 no. 3: 399-404 My-Je '63.
Method of purification of α-methylstyrene by removing phenol with the aid of anion exchangers. N. G. Polianskii, V. S. Markevich, T. I. Kozlova. Neftekhimiia 3 no. 3: 348-351 My-Je '63.
Polymerization of styrene induced by polymeric adipinyl peroxide [with summary in English]. N. S. TSvetkov, M. B. Fagarash. Vysokom. soed. 5 no. 7: 1002-1007 Jl '63.
Styrene butadiene paints for outdoor painting. V. M. Lobytskaia. Lakokras. mat. i ikh prim. no. 3: 16-18 '63.
Suspension copolymerization of styrene with divinylbenzene in the presence of telogen [with summary in English]. E. B. Trostianskaia, A. S. Tevlina, E. A. Naumova. Vysokom. soed. 5 no. 8: 1210-1214 Ag '63.
Synthesis of α-fluoro-ω-nitrostyrene and a study of its polymerization capacity. A. V. Topchiev, V. P. Atanita, M. F. Vagin. Dokl. AN SSSR 151 no. 1: 114-116 Jl '63.

STYRENE POLYMERS
Application of turbidimetric titration for determining the molecular weight distribution of polystyrene and α-methylstyrene [with summary in English]. N. A. Plavikova, L. G. Riabova, Iu. P. Vyrskii. Vysokom. soed. 5 no. 8: 1165-1170 Ag '63.
Determination of the molecular weight of standard samples of polystyrene by the osmotic method. M. I. Usmanova, Kh. U. Usmanov. Uzb. khim. zhur. 7 no. 3: 61-69 '63.
Hydrodynamic parameters and molecular weight distributions of divinylstyrene copolymers in an "ideal" solvent [with summary in English]. I. IA. Poddubnyi and others. Vysokom. soed. 5 no. 7: 1042-1048 Jl '63.
Synthesis of soluble polyelectrolytes by sulfonation of polystyrene [with summary in English]. A. S. Tevlina, E. B. Trostianskaia. Vysokom. soed. 5 no. 8: 1178-1183 Ag '63.
Temperature and frequency dependencies of the dielectric losses of styrene methacrylate and styrene-methyl vinyl ketone copolymers. Part 1 [with summary in English]. G. P. Mikhailov, L. V. Krasner. Vysokom. soed. 5 no. 7: 1085-1090 Jl '63.

STYRENE POLYMERS—DIPOLE MOMENTS
Effective dipole moments of styrene-methacrylate and styrene-methyl vinyl ketone copolymers. Part 2 [with summary in English]. G. P. Mikhailov, L. V. Krasner. Vysokom. soed. 5 no. 7: 1091-1095 Jl '63.

STYRENE POLYMERS—OPTICAL PROPERTIES
Flow birefringence of polystyrene solutions in bromoform [with summary in English]. V. G. Baranov, S. IA. Magarik. Vysokom. soed. 5 no. 7: 1072-1079 Jl '63.
Optical anisotropy of molecules of polystyrene and poly-p-methystyrene stereoisomers [with summary in English]. V. N. TSvetkov, N. N. Boitsova. Vysokom. soed. 5 no. 8: 1263-1267 Ag '63.

SUBJECT CATALOGS see Catalogs, Subject

SUBLIMATION (PHYSICAL SCIENCES)
Chloride sublimation as applied to pyrite dross from the Nikolayevka ore deposit. E. I. Kuzhakhmetov and others. Trudy Alt. GMNII AN Kazakh. SSR 14: 66-74 '63.
Rate of sublimation of germanium sulfide in a stream of nitrogen. Gen. N. Sosnovskii, M. A. Abdeev, N. I. Mikhailov. Trudy Alt. GMNII AN Kazakh. SSR 14: 117-122 '63.

SUBMARINE DIVING see Diving, Submarine

SUBMARINE GEOLOGY see subdivision under Atlantic Ocean, Caspian Sea

SUBMARINE TOPOGRAPHY see subdivision under Atlantic Ocean

SUBSIDENCES (EARTH MOVEMENTS) see subdivision under Chelyabinsk Basin

SUBSTITUTION (CHEMISTRY)
Correlation of the frequencies and intensities of infrared absorption bands for diazonium salts $x\text{-}C_6H_4N_2Cl$ with the constants of the substituent. L. A. Kazitsyna and others. Dokl. AN SSSR 151 no. 3: 573-576 Jl '63.
Infrared spectra of esters in complexes with electron-acceptor metal halides. Part 1. Effect of ω-substitution on the donor properties of the carbonyl group. D. S. Bystrov. Zhur. strukt. khim. 4 no. 1: 548-551 Jl-Ag '63.
Relation of properties and reactivity of ω-substituted methanes with their structure. Iu. G. Papulov. Zhur. strukt. khim. 4 no. 1: 617-641 Jl-Ag '63.

SUBWAYS
Testing models of supports for temporary arches in assembly chambers of subway stations without side platforms. V. S. Kaplan, V. A. Samoilov, Iu. A. Tsibarov. Shor. trud. LIIZHT no. 19: 278-290 '62.

SUCCINIMIDE
Derivatives of furan. Report No. 38. N-substituted 2-furylsuccinimides. V. L. Mndzhoian, N. A. Babalan, N. I. Akopian. Izv. AN Arm. SSR. Khim. nauki 16 no. 4: 385-390 '63.

SUCROSE
Transfer of saccharose through the ion exchange membranes during the electrodialysis purification of its solutions. D. M. Leibovich, L. F. Zelikman. Sakh. prom. 37 no. 9: 30-36 S '63.

SUEZ CANAL
Conditions for the passing of ships (according to draft) through the Suez Canal. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10: 116 '62.

SUGAR BEET BREEDING
(see also subdivision under Leningrad Province)
Physiology of hybrid seeds obtained from the crossing of monospermous and polyspermous sugar beets. A. V. Fishchenko, V. I. Moskalenko. Agrobiologiia no. 4: 617-619 Jl-Ag '63.

SUGAR BEETS
(see also subdivision under Kazakhstan; Kirghizistan; Tatar A.S.S.R., Ukraine)
Formation of sets in planting sugar beets without blocking of seedlings. A. I. Chekalov. Nauch. trudy UNIIMESKH 4: 19-24 '62.
Svetlichnyi, V. A., and others. [Over-all mechanization of sugar beet growing and harvesting] Kompleksnaia mekhanizatsiia vozdelyvaniia i uborki sakharnoi svekly. Izd 2., ispr. i dop. Moskva, Proftekhizdat, 1963. 93 p. (DNAL)

SUGAR BEETS—ECONOMIC ASPECTS
Economics of the production of sugar beets. A. Kondaurova, N. Kosnikov. Tekh. v sel'khoz. 23 no. 5: 4-10 My '63.

SUGAR BEETS—HARVESTING
Determination of the principal parameters of the haulm cutting apparatus beet-lifting machines. V. G. Gerasimchik. Nauch. trudy UNIIMESKH 4: 25-33 '62.
Improvement of the working parts of pit-type sugar beet harvesters. I. D. Premcev. Mekh. i elek. sots. sel'khoz. 21 no. 1: 7-10 '63.
Study of the haulm cutting apparatus of beet harvesters with haulm cutting at the root. A. A. Vasilenko. Mekh. i elek. sots. sel'khoz. 21 no. 4: 3-7 '63.

SUGAR BEETS—PRICES see subdivision under Ukraine

SUGAR BEETS—STORAGE
Experimental determining of the quantity of the water freezing out from sugar beets and sugar beet juices. V. Z. Zhadan, M. Z. Khelemskii. Sakh. prom. 37 no. 9: 26-30 S '63.

SUGAR BEETS—VARIETIES
Productivity of polyploid sugar beet varieties. N. A. Negovskii. Agrobiologiia no. 4: 531-540 Jl-Ag '63.

SUGAR FACTORIES—MAINTENANCE AND REPAIR
Methods for reorganizing the maintenance and repair work in sugar factories. V. A. Serebrinskii. Sakh. prom. 37 no. 8: 12-14 S '63.
Organization of the current maintenance and overhauling operations in sugar factories. M. P. Pritimak. Sakh. prom. 37 no. 9: 10-12 S '63.

SUGAR INDUSTRY
(see also subdivision under Kazakhstan; Rovno Province)
Address of the participants of the conference of the representatives of the sugar industry of the Russian Federation to all workers, engineers, technicians, and employees of sugar factories, sugar-beet supply bases, and sugar-beet receiving stations. Sakh. prom. 37 no. 9: 5-6 S '63.

SUGAR INDUSTRY (Continued)

For successful work in the new production season. Sakh. prom. 37 no 9 1-4 S '63

Improve the work of the sugar combines. Sakh prom 37 no. 9 77-78 S '63

SUGAR INDUSTRY—BY-PRODUCTS

Sugar and feeds A. D Blankman. Sakh. prom 37 no 9 74 S '63

SUGAR INDUSTRY—EQUIPMENT AND SUPPLIES

Number of sugar beet pilers indispensible in the sugar industry V A Novikov, N M Kichigin Sakh prom 37 no 9, 37-42 S '63.

SUGAR INDUSTRY—FIRES AND FIRE PREVENTION

Amendment of the regulations on water supply systems for fire extinction. Sakh prom 37 no 9 77 S '63

SUGAR MACHINERY

Improved shaker screen. P. S Maksimuk Sakh. prom. 37 no. 9 36-37 S '63

Scientific and economic conference on the improvement of production flow sheets and equipment types in sugar factories. A. S Epishin. Sakh. prom. 37 no. 9 15-21 S '63.

SUGAR MANUFACTURE

Cooking of the product of the second boiling of massecuite having a reduced content of dry substances. Z. F Butka. Sakh. prom 37 no. 9 25 S '63

Determining the natural alkalinity of the first carbonation juice. N. A. Arkhipovich, L M Zelenina, S N. Kvita. Sakh. prom. 37 no. 9:42-44 S '63.

Electric power supply of sugar refineries. M. I. Sokov. Prom. energ. 18 no. 8 44-47 Ag '63.

Foam formation and some other processes taking place in the thickeners of saturation juices. P. S. Maksimuk Sakh. prom. 37 no. 9-22-24 S '63.

Scientific and economic conference on the improvement of production flow sheets and equipment types in sugar factories A. S. Epishin. Sakh. prom. 37 no 9 15-21 S '63.

Titration method for the control of the work of settlers and mud thickeners. N. A. Arkhipovich, L M. Zelenina, S N. Kvita. Sakh. prom 37 no. 9 44-45 S '63.

SUGARS

Effect of the type of the base on the amount of sugars in sulfite liquor. IU G. Butko. Trudy LTITSBP no. 8:58-65 '61.

SUGGESTION SYSTEMS

(see also subdivision under Moscow Province)

Mishchenko, V. I. [Planning efficiency promotion work in enterprises] Planirovanie ratsionalizatorskoi raboty na predpriiatiiakh [Moskva] Profizdat, 1963 60 p

SUKHUMI—MINERAL WATERS

Treatment of patients suffering from lumbosacral radiculitis with baths from Sukhumi mineral water (borehole No. 1). M. IA. TSetskhladze. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:397-401 S-O '62.

SUKHUMI REGION—TANGERINE—VARIETIES

Misgava-Vase manderins. V. K. IAkobashvili. Priroda 52 no. 8:117 Ag '63.

SULFANILAMIDE

Changes in higher nervous activity caused by p-aminobenzoic acid and novocaine during the administration of sulfanilamide (with summary in English). T. M. Kucherenko, G. I. TSobkallo. Zhur. vys. nerv. deiat. 13 no. 2: 276-279 Mr-Ap '63

SULFANILIDE

Sulfanilides. N-chloroacetyl derivatives of arenesulfanizidides, arenesulfphenetidides, and arenesulftoluidides. M. S. Malinovskii, Z. F. Solomko, L. P. Glushko. Ukr. khim. zhur. 29 no. 6:614-615 '63.

Sulfanilides. Part 9: Dimethylamides of N-arylsulfonyl-N-arylglycine. E. P. Teselenko, Z. F. Solomko, M. S. Malinovskii. Ukr. khim. zhur. 29 no. 5:519-521 '63.

SULFATES

Trilonometric determination of simultaneously present trivalent iron and sulfate ion. Report No. 1. E. V. Donskaia, V. N. Shirokova, V. F. Nevolin. Trudy LTITSBP no. 8:127-128 '61.

SULFATION

Sulfation of aryl aliphatic polyamides and polyurea. O. IA. Fedotova, M. I. Shtil'man. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2:260-262 '63.

SULFIDES

(see also subdivision under Noril'sk region)

Natural electric field as a factor in the formation of zones of secondary enrichment in sulfide deposits. G. B. Sveshnikov, IU. S. Ryss, A. K. Auzin. Uch. zap. LGU no. 320:122-133 '63.

SULFIDES—METALLURGY

Solubility of lead in the system copper - iron - sulfur. O. G. Miller, M. A. Abdeev. Trudy Alt. GMNII AN Kazakh. SSR 14:110-113 '63.

SULFITE LIQUOR

Effect of the type of the base on the amount of sugars in sulfite liquor. IU. G. Butko. Trudy LTITSBP no. 8:58-65 '61.

SULFITES

Sulfite complex of silver. A. M Nazaretian, F. K. Andriushchenko. Ukr khim. zhur. 29 no 5:481-487 '63

SULFONATION

Synthesis of soluble polyelectrolytes by sulfonation of polystyrene [with summary in English] A S Tevlina, E. B Trostianskaia Vysokom soed 5 no 8 1178-1182 Ag '63.

SULFONES

Removal of colored admixtures from active vinyl sulfone dyes. L. A. Kovzhin, V. A. Kharkharov. Izv. vys. uchcb. zav., tekh tekst prom no. 3 95-97 '63

SULFUR

Effect of selenium on the isomorphic replacement of sulfur by tellurium in sulfides. A. IU Malevskii. Dokl. AN SSSR 152 no. 1:191-193 S '63.

Role of sulfur in the vulcanization of polychloroprene rubbers [with summary in English]. N. D. Zakharov and others. Vysokom. soed. 5 no. 6 910-913 Je '63

SULFUR—PHYSIOLOGICAL EFFECT

Powdered sulfur as a growth and development stimulator for swine. O. P. Smirnov. Visnyk sil'hosp. nauky 6 no. 8:105-107 Ag '63.

SULFUR BACTERIA see Bacteria, Sulfur

SULFUR CHLORIDES

Interaction of polyvinyl alcohol with sulfur monochloride. N. Sh. Inoiatov, P P. Larin, B I Aikhodzhaev Uzb. khim zhur. 7 no 3 57-63 '63

SULFUR COMPOUNDS

Oxidation of sulfite, sulfide, and thiosulfate on a rotating platinum anode. N. N. Kuz'mina, O. A. Songina. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:201-209 '63.

SULFUR ISOTOPES see subdivision under Donets Basin' Noril'sk region; Ural Mountains

SULFURATION—EQUIPMENT AND SUPPLIES

Rotary-firing type furnace for the sulfuration of titanium-bearing materials. IA. G. Goroshchenko and others Titan i ego splavy no 9:162-165 '63.

SULFURIC ACID

Development of the technology of the continuous refining of petroleum distillates by means of sulfuric acid. M. A. Mardanov and others. Khim. i tekh. topl. i masel 8 no. 8, 32-33 Ag '63.

Rapid method for determining nitrogen oxides in concentrated sulfuric acid of wet catalysis. A. A. Safonova, E. V. Lukash. Koks i khim. no. 8:51 '63.

SULTANOV, ABDULLA SULTANOVICH, 1913

On A. S. Sultanov's 50th birthday and the 34th anniversary of his scientific and educational activities Uzb khim zhur. 7 no. 3:70-71 '63

SUMERIANS

Ethnic and social factors in the history of ancient times; based on Sumerian materials. I. M. D'iakonov. Vest. drev. ist. no. 2:167-179 '63.

SUMY—THEATER

First performance in the open air. Mykhailo Halushko. Ukraina no. 20:8 Ag '63.

SUMY DISTRICT—FERTILIZERS AND MANURES

Place organic fertilizers under control G. A. Fedchenko. Uchet. i fin. v kolkhoz. i sovkhoz. 20 no. 9, 27 S '63.

SUN GLASSES

Summer will be here soon. Zdorov'e 9 no. 5:32, 3 of cover My '63.

SUNFLOWER BREEDING

Ways for the use of foreign additional pollination in sunflower breeding. L. A. Zhdanov. Agrobiologiia no. 4:483-489 Jl-Ag '63.

SUNFLOWER SEED

Electron microscopic study of the sunflower seeds and the accumulation of reserve substances. I. N. Sveshnikova, IU. P. Bollakina. Dokl. AN SSSR 151 no. 5:1222-1224 Ag '63.

SUPERCONDUCTIVITY

Characteristics of the electron spectrum of superconducting compounds. L. B. Borovskii. Trudy Inst. met. no. 15:79-87 '63.

Critical magnetic fields of superconducting beryllium films. B. G. Lazarev, E. E. Semenenko, A. I. Sudovtsov. Zhur. eksp. i teor. fiz. 45 no. 2:391-392 Ag '63.

SUPERSONIC AERODYNAMICS see Aerodynamics, Supersonic

SUPPLY AND DEMAND

Correlation between the supply and demand of consumer goods during the building of communism. V. Bel'chuk. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 5:16-27 '63.

Determining the demand structure for food and nonfood commodities. V. Siniutin. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 5:35-40 '63.

Role of prices in regulating the supply and demand of consumer goods. N. Kotelevskii. Nauch. dokl. vys. shkoly, ekon. nauki 6 no. 5 31-35 '63.

SUPPURATION

Osipov, B. K., and T. V. Stepanova. [Chronic suppurative diseases of the lungs, a textbook] Khronicheskie nagnoitel'nye zabolevaniia legkikh, uchebnoe posobie. Moskva, TSentral'nyi institut usovershenstvovaniia vrachei, 1962 160 p

(DNLM)

Pathogenesis of pneumosclerosis in tuberculous empyemas. V. T Svitjakin Probl tub 41 no 3:83 '63

Sel'tsovskii, P. L. [Diffuse suppurative peritonitides] Razlitye gnoinye peritonity. Moskva, Medgiz, 1963 210 p.

(DNLM)

SURFACE-ACTIVE AGENTS

Combined effect of irradiation and of a surface-active medium on the mechanical properties of single metal crystals. V. I. Likhtman, O. A. Troitskii. Zhur. fiz. khim 37 no. 8:1693-1696 Ag '63

Use of surface-active agents in the grinding of carbon black in alkyd binding substances. M. A Chupeev and others Lakokras. mat i ikh prim no 3 77-78 '63.

Using Soviet-produced surface-active agents for reducing the evaporation from water surface in reservoirs. A. K. Ananian and others. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 2/3 117-128 '63.

SURFACE CHEMISTRY

Use of surface ionization phenomena in studying catalytic reactions on a surface. N. I. Ionov, M. A. Mitsev. Dokl AN SSSR 152 no. 1:137-139 S '63.

SURFACE ENERGY

Determining the dependence on orientation of surface energy in silicon iron B IU Novikov Fiz met i metalloved 16 no 1 129-130 Jl '63

Temperature dependence of the surface energy in transition metals S N Zadumkin, Nguen Fong Fiz met i metalloved 16 no 1 136-138 Jl '63

SURFACE TENSION

Surface tension and density of iron-sulfur and iron-phosphorus melts [with summary in English]. B. M. Lepinskikh, N. A. Vatolin Inzh.-fiz. zhur. 6 no 7:109-112 Jl '63.

Surface tension in deuterium [with summary in English] V. N. Grigor'ev, Zhur. eksp i teor. fiz. 45 no 2, 88-100 Ag '63.

SURFACES

Beez's theorem for irregular hypersurfaces. IU. E. Borovskii. Sib. mat. zhur. 4 no. 4:744-751 Jl-Ag '63

SURFACES, RESPRESENTATION OF

Vertical projections of some mountain relief types V S Kirilenko. Trudy NIIZHT no. 30:63-72 '62.

SURGERY, OPERATIVE

Three cases of the removal of large benign tumors [with summary in English]. V. I. Mishura. Vop onk 9 no. 2:103-106 '63.

SURGERY, PLASTIC

Closure of postoperative defects of the upper jaw. M. IA. TSypin. Zdravookhranenie 6 no 1:59 Ja-F '63.

Motor function of a segment of the large intestine used to stomach replacement D. V. Pomosov, S B. Korostovtsev Kaz med zhur. no. 3 21-23 My-Je '63.

New method of aortoplasty in coarctation. V. V. Salmarl. Zdravookhranenie 6 no. 1:26-30 Ja-F '63.

Use of peritoneal laminae in treating thermal burns. S. D. Rekheits, M. A. Kaufman. Zdravookhranenie 6 no. 1:38-41 Ja-F '63.

SURGICAL INSTRUMENTS AND APPARATUS

Appliance for localized refrigeration. A. I. Shal'nikov. Prib. i tekh. eksp. 8 no. 3:205-206 My-Je '63

SURKHAN-DARYA—RUSSIAN NEWSPAPERS

Discover and support the new. Part. zhizn' [Uzb.] 6 no. 7 92-94 Jl '63.

SURKHAN-DARYA PROVINCE—AGRICULTURAL WORKERS

Concealing adherence to principles. P. Krutov. Part. zhizn' [Uzb.] 6 no. 7:81-84 Jl '63.

SURKHOB VALLEY—EARTH MOVEMENTS

Determination of vertical displacements of the earth's crust in the Surkhob Valley. I. I. Entin, I. N. Meshcherskii. Trudy TSNIIGAIK no. 154:91-106 '63.

SURVEYING

Brief news. Geod. i kart. no. 8:77-78 Ag '63.

Graphic determination of the coefficients of indirect conditional equations for subsequent adjusting of nets of combinations of triangular and quadrilateral cells. E. A. Kolotova. Sbor. nauch. trud. KGRI no. 7:215-224 '59

Methodology of hydrogeological studies in accumulation plains under dry climate conditions. G. IA. Bogdanov. Razved. i okh. nedr 29 no. 7:49-54 Jl '63.

Observations of dams which are out of line without precise measurement of lines. B. N. Zhukov. Geod. i kart. no. 6:13-18 Je '63.

SURVEYING (Continued)
Use of electronic digital computers for calculating gravimetric terrain corrections. L. A. Koval'. Izv. AN Kazakh SSR Ser geol nauk no 4:96-107 '63

Ways of improving topographical surveys for housing construction. B. I. Gerzhula. Geod. i kart. no. 6 22-29 Ag '63.

SURVEYING—BIBLIOGRAPHY see Bibliography—Surveying

SURVEYING—INSTRUMENTS
Correct the output of mine surveying instruments, letter to the editor S M. Terent'ev Gor zhur no. 8 80 Ag '63

Surveying instruments for railroad surveying. A. A Parshikov Trudy NIIZHT no 30 23-28 '62

VKA automatic altimeter-telescopic alidade with a pendulum compensator. L A. Romanov. Trudy TSNIIGAIK no. 154.107-123 '63.

SURVEYING—STUDY AND TEACHING
Data on the graduation of correspondence students from the technical school. G. I. Pyrkin. Geod. i kart. no. 6.59-62 Ag '63.

SUSLIKS see subdivision under Kirghizistan

SUSPENSION ROOFS see Roofs, Suspension

SUTURES
Remote results of suturing perforated ulcers of the stomach and duodenum. IU. O. Furman. Kaz med. zhur., no. 3 76-77 My-Je '63.

SVERDLOV, IAKOV MIKHAILOVICH, 1885-1919
Pedagogical views of IA. M. Sverdlov. M. G. Bushkanets. Nach. shkola 31 no. 10:91-93 O '63.

SVERDLOVSK—AGRICULTURE—ACCOUNTING
We suggest. P. S. Istomin. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5:4-5 My '63.

SVERDLOVSK—COMMUNITY AND SCHOOL
Good care for tots. V. Krotov. Nar. obr. no. 8:14-17 Ag '63.

SVERDLOVSK—CORONARY HEART DISEASE
Results of the organization of medical care for workers and employees with hypertension and coronary insufficiency at the Ural Heavy Machinery Plant. L. I. Moiseeva. Zdrav. Ros. Feder. 7 no. 7:17-20 Jl '63.

SVERDLOVSK—ELECTRIC SWITCHGEAR
Thirty years plus three. E. Dobrovol'skii. Izobr. i rats. no. 7:12-14 '63.

SVERDLOVSK—HEART—INFARCTION
Study of the incidence of myocardiac infarct; according to data collected in Sverdlovsk. K. F. Novikova. Sov. zdrav. 22 no. 6:22-25 '63.

SVERDLOVSK—HYPERTENSION
Results of the organization of medical care for workers and employees with hypertension and coronary insufficiency at the Ural Heavy Machinery Plant. L. I. Moiseeva. Zdrav. Ros. Feder. 7 no. 7:17-20 Jl '63.

SVERDLOVSK—KINDERGARTENS
Let's line up with the Sverdlovsk residents. IU. Rives. Sem'ia i shkola 18 no. 6 2-3, 16 Je '63

SVERDLOVSK—MACHINERY INDUSTRY
Flagman and his crew. A. Grigor'ev. IU. Khazanovich. Ogonek 41 no. 29:16-17 Jl '63.

SVERDLOVSK—MEDICINE, INDUSTRIAL
Results of the organization of medical care for workers and employees with hypertension and coronary insufficiency at the Ural Heavy Machinery Plant. L. I. Moiseeva. Zdrav. Ros. Feder. 7 no. 7:17-20 Jl '63.

SVERDLOVSK—NICKEL PLATING
Nickel plating in the presence of sodium fluoride. TS. G. Maizel', M. B. Vizel'berg, L. V. Shkurko. Khim. mashinostr. no. 4.37 Jl-Ag '63.

SVERDLOVSK—WOMEN—EMPLOYMENT
Anna Andreevna's second profession. V. Kruglikov. Sov. profsoiuzy 19 no. 13:30-31 Jl '63.

SVERDLOVSK PROVINCE—BLASTING
Seismic effect of blasting in large-scale breaking of ore in the Vysokaya Mountain iron mine. G. V. Kuznetsov, A. G. Sisin, P. S. Mironov. Gor. zhur. no. 8:19-24 Ag '63.

SVERDLOVSK PROVINCE—COMMUNITY AND SCHOOL
Common cause. E. Rybina. Doshk. vosp. 36 no. 6:75 Je '63.

SVERDLOVSK PROVINCE—FUEL
Enriched fuels for Sverdlovsk Province I S. Levin. Trudy Ural. politekh. inst. no. 108-23-28 '61.

SVERDLOVSK PROVINCE—JUSTICE, ADMINISTRATION OF
We should improve our control over the enforcement of Soviet laws. V. Prokhorov, A. Cherdantsev. Sots. zakon. 40 no. 6:32-35 Je '63.

SVERDLOVSK PROVINCE—PUBLIC PROSECUTORS
How district public prosecutors study and try to prevent criminal offenses. L. N. Ivanov. Vop. krim. no. 6/7:118-127 '62.

SVERDLOVSK PROVINCE—VOCATIONAL EDUCATION
Industrial training in Sverdlovsk Province. A. A. Anufrielv. Shkola i proizv. 7 no 8:31-33 Ag '63.

SWANS—PARASITES see Parasites—Swans

SWEDEN—BIG BUSINESS
"The iron heel" of Swedish capitalism. P. Sharmanov. Mir. ekon. i mezhdunar. otn. no. 8:146-150 '63.

Who rules Sweden?, a book review. A. Antonov. Nov vrem. 21 no. 31 29-31 Ag '63

SWEDEN—BLASTING
Blasting operations in Swedish mines. G. F Linnik A S Belash. Gor. zhur no. 8 73-74 Ag '63

SWEDEN—EDUCATION, HIGHER
Gorbunova, T. V. [Institutions of higher learning and research in Sweden] Vysshie uchebnye zavedeniia i nauchno-issledovatel'skie uchrezhdeniia Shvetsii. Moskva, Vses. in-t nauchn. i tekhn. informatsii, 1963. 89 p.

SWEDEN—MINE RAILROADS—CARS
Cars with a 25-ton capacity in the "Grengesberg" Mine. L. N. Voronin. Gor. zhur. no 8 74-75 Ag '63

SWEDEN—PETROLEUM—STORAGE
Equipment "Seatank" for the storage of petroleum products. Biul tekh.-ekon. inform Tekh. upr. Min. mor flota 7 no 11.70-73 '62.

SWEDEN—RESEARCH
Gorbunova, T. V. [Institutions of higher learning and research in Sweden] Vysshie uchebnye zavedeniia i nauchno-issledovatel'skie uchrezhdeniia Shvetsii. Moskva, Vses. in-t nauchn. i tekhn. informatsii, 1963. 89 p.

SWEET CLOVER
A necessary monograph on sweet clover. N. V. Artiukov. Zemledelie 25 no. 7.91 Jl '63.

SWIFT, JONATHAN, 1667-1745
"Transformation" of Jonathan Swift. A. Romm. Vop. lit 7 no. 7 149-159 Jl '63

SWIMMING
Everybody is a swimmer in the summertime. Photos by B. Gradov. Ukraina no. 14:13 Jl '63.

SWINE
Daily regimen and behavior of swine in the system of group maintenance and self-feeding [with summaries in English, German, and French]. IA. I. Valnshtein. Vest. sel'khoz. nauki 8 no. 4:67-70 Ap '63.

Marchenko, I. I. [Practices in the organization of swine raising] Opyt organizatsii svinovodstva. Moskva, Sel'khozizdat, 1963. 53 p. (DNAL)

Powdered sulfur as a growth and development stimulator for swine. O. P. Smirnov. Vsnyk sil'hosp. nauky 8 no. 8:105-107 Ag '63.

SWINE—FEEDING AND FEEDS
Fattening swine on a state farm. N. Khlopkov, V. IAkovlev. Tekh. v sel'khoz. 23 no. 5:28-31 My '63.

School on a farm. G. Plotnikov. Sov. profsoiuzy 19 no. 13:14-15 Jl '63.

SWINE—PARASITES see Parasites—Swine

SWINE ERYSIPELAS
Resistance of the agent of swine erysipelas to mesophilic fermentation of manure. V. D. Bubnov, V. A. Krasnoshchekov. Trudy VNIIVS 14:40-47 '59.

SWINE HOUSES AND EQUIPMENT see subdivision under Ukraine

SWITCHING THEORY
Automatic optimization of the characteristics of a ferrite switch. V. V. Koshelev, V. I. Talanov. Izv. vys. ucheb. zav.; radiotekh. 6 no. 3:308-311 My-Je '63.

SWITZERLAND—EDUCATION
Education in Switzerland. S. Rukhovich, S. Shen. Nar. obr. no. 8:98 Ag '63.

SWITZERLAND—WOMEN—EMPLOYMENT
The women toilers of Switzerland. Charlotte Muret. Zhen. mira no. 4:10-13 '63.

SYENITE see subdivision under Tuva A.S.S.R.

SYLT—BATHING BEACHES
Manners of the "free-world": The nudes on Sylt Island. Nov. vrem. 21 no. 35:28 Ag '63.

SYNTHETIC FABRICS
Machinery for the processing of "poralon" fabrics in the manufacture of clothing. D. A. Lisitsyn, N. M. Danilov. Shvein. prom. no. 4:28-29 Jl-Ag '63.

SYNTHETIC FABRICS—TESTING
Light resistance of summer dress fabrics made from synthetic fibers. B. D. Semak. Tekst. prom. 23 no. 6 76-81 Ag '63.

SYNTHETIC PRODUCTS
Luban, L. L. [Miracles enter life] Chudesa vkhodiat v zhizn'. Moskva, Sovetskaia Rossiia, 1963. 193 p.

SYNTHETIC TEXTILE FIBERS see Textile fibers, Synthetic

SYNTOMYCIN
Pharmacodynamics of levomycetin, syntomycin and oxytetracycline-1 in experiments on healthy lambs K Amanov. Izv. AN Turk SSR Ser. biol. nauk no. 4 86-93 '63.

SYR DARYA—BARBEL (FISH)
Artificial cultivation of the Aral barbel after the regulation of the flow of the Syr Darya River. E. L. Golaktionova. Trudy Inst. ikht i ryb. khoz. AN Kazakh. SSR 4 81-97 '63.

SYR DARYA—PARASITES—FISHES
Fish parasites in the lower Syr Darya River. M. N. Kolesnikova. Trudy Inst. zool. AN Kazakh. SSR 19:139-144 '63.

SYRIA—POLITICS AND GOVERNMENT
Troubled times in Syria. G. Mirskii Nov. vrem. 21 no. 34 13-14 Ag '63

SYSTEMS (CHEMISTRY)
About the system CaO, TiO_2 - TiO - TiO_2. M. S. Model', A. V. Rudneva, I. B. Dmitrovskii. Titan i ego splavy no. 9:278-279 '63.

Calculation of liquid - vapor equilibrium of ternary systems from data for binary systems. The system benzene - n-hexane - cyclohexane [with summary in English]. M. P. Susarev, Chen' Shu-tsy [Ch'ên Shu-tz'ŭ]. Zhur. fiz. khim. 37 no. 8:1730-1744 Ag '63.

Chemical characteristics of the reaction of the systems $Pb(OH)_2$ - $K_2C_4H_4O_6$ and $Cd(OH)_2$ - $NaHC_4H_4O_6$ with an excess of hydroxy acid salt present in the solution. M. E. TSimbler, N. S. Prostanik. Ukr. khim. zhur. 29 no. 6:502-505 '63.

Determination of salting-out constants and activities in ternary solutions from freezing point depression data [with summary in English]. P. IA. Sivet. Zhur. fiz. khim. 37 no. 8:1769-1775 Ag '63.

Effect produced by chemical interaction in binary systems on the viscosity isotherms convex with respect to the composition axis [with summary in English]. IU. IA. Fialkov. Zhur. fiz. khim. 37 no. 8:1757-1763 Ag '63.

Necessary and sufficient sign of the established equilibrium of liquid phases in ternary systems. R. V. Mertslin, N. I. Nikurashina. Zhur. fiz. khim. 37 no. 8:1841-1845 Ag '63.

Regularities in the fold distribution of the pressure surfaces of ternary liquid - vapor systems and the shifting of folds with change in temperature [with summary in English]. M. P. Susarev. Zhur. fiz. khim. 37 no. 8: 1703-1709 Ag '63.

Volumetric properties of binary liquid systems with noninteracting components. IU. IA. Fialkov. Ukr. khim. zhur. 29 no. 6:576-582 '63.

Use of zonal fusion in establishing the fields of crystallization and eutectic composition of multicomponent systems of fused salts. V. M. Agoshkov. Dokl. AN SSSR 152 no. 1:96-99 S '63.

SYUKHYUB REGION—LIMESTONE
Sukhyub cliff in the southeastern Caucasus. B. V. Grigor'iants, A. M. Shurygin. Uch. zap. AGU. Ser. geol.-geog. nauk no. 5:95-99 '61.

TABULATA see subdivision under Altai Mountains

TACHOMETER
Choice of the principal dimensions of an asynchronous tachometer generator. G. S. Somkhina. Izv. vys. ucheb. zav.; elektromekh. 6 no. 8:936-945 '63.

TAGANROG—HARBOR
To the detriment of production. A. Moshikov. Part. zhizn' no. 17:50-51 S '63.

TAILORING
TSentral'nyi nauchno-issledovatel'skii institut shveinoi promyshlennosti. [Fundamentals of the technology of the assemblage of men's, women's and children's outerwear] Osnovy tekhnologii poshiva verkhnei odezhdy. Moskva, Rostekhizdat, 1963. 573 p.

TAILORING (WOMEN'S)
Gusev, E. A. [Cutting and tailoring of women's coats] Raskroi i poshiv zhenskikh pal'to. Minsk, Gos. izd-vo BSSR, 1962. 327 p.

TAJIK DEPRESSION—GLAUCONITE
Glauconitization of argillaceous rocks as a type of change in enclosing rocks in one of the celestite deposits of the Tajik Depression. V. V. Mogarovskii. Dokl. AN SSSR 151 no. 5:1178-1181 Ag '63.

TAJIKISTAN—AGRICULTURE

TAJIKISTAN—ANTIQUITIES

TAJIKISTAN—ANTIQUITIES—BIBLIOGRAPHY

TAJIKISTAN—ARCHITECTURE, MOHAMMEDAN

TAJIKISTAN—BUILDING MATERIALS INDUSTRY

TAJIKISTAN—CITIES AND TOWNS, RUINED, EXTINCT, ETC

Archaeological excavations of the citadel of the ancient city of Khulbuk in 1960. I. Gullamova. Trudy Inst. ist. AN Tadzh. SSR 34. Arkheol. rab. v Tadzh. SSR no. 8:118-129 '62.

TAJIKISTAN—COMMUNIST PARTY OF THE SOVIET UNION

Bibliography of the history of the Communist Party of Tajikistan. M. M. Litvlak. Sb. bibl. no. 4:56-59 '63.

TAJIKISTAN—COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES

Kommunisticheskaia partiia Tadzhikistana. 14 s"ezd, Dushanbe, 1961. [Verbatim report of the Fourteenth Congress of the Communist Party of Tajikistan] Stenograficheskii otchet. Dushanbe, Tadzhikskoe gos. izd-vo, 1962. 380 p.
(MiU)

TAJIKISTAN—CONSTRUCTION WORKERS—EDUCATION AND TRAINING

Let's strengthen the contact between the industries providing vocational training and the schools. M. Shcherbakov, S. Sharipov. Prof.-tekh. obr. 20 no. 8:28-29 Ag '63.

TAJIKISTAN—HISTORY

Istoriia, M. IU. Mikolaev, and I.A. Sharapov. [Outline history of Soviet Tajikistan 1917-1957] Ocherk istorii sovetskogo Tadzhikistana, 1917-1957 gg. Stalinabad, Tadzhikgosizdat, 1957. 502 p.

TAJIKISTAN—INDUSTRIES, LOCATION OF

TAJIKISTAN—MEDIEVAL ANTIQUITIES

Work of the Khodzhent-Ura-Tiubinskaia detachment in 1960. N. Negmatov, E. D. Saltovskaia. Trudy Inst. ist. AN Tadzh. SSR 34. Arkheol. rab. v Tadzh. SSR no. 8:59-89 '62.

TAJIKISTAN—OIL INDUSTRIES

Technological progress as a factor increasing labor productivity in the oils and fats of the Tajik S.S.R. V. I. Zavulunov. Maslozhir. prom. 29 no. 7:31-34 Jl '63.

TAJIKISTAN—PLANT TEMPERATURE

Temperature balance of the leaves of plants in Tajikistan [with summary in English]. L. G. Bregetova, A. I. Popova. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR no. 3:29-40 '63.

TAJIKISTAN—POTTERY, MOHAMMEDAN

Archaeological finds in Leninabad and Kansay. U. Pulatov. Trudy Inst. ist. AN Tadzh. SSR 34. Arkheol. rab. v Tadzh. SSR no. 8:139-143 '62.

TAJIKISTAN—POULTRY HOUSES AND EQUIPMENT—DISINFECTION

Use of aerosols in controlling ectoparasites in livestock buildings. A.M. Mitrofanov, K.P. Andreev. Trudy VNIIVS 14 9-11 '59.

TAJIKISTAN—STONE AGE

Two new Stone Age monuments in southern Tajikistan. V. A. Ranov. Trudy Inst. ist. AN Tadzh. SSR 34. Arkheol. rab. v Tadzh. SSR no. 8:130-138 '62.

TAKORADI—CARGO HANDLING

Loading mahogany in the Takoradi harbor, in Ghana. S. Borodin. Mor. flot 23 no. 6:13-14 Je '63.

TALC see subdivision under Caucasus

TALES

[Folk tales of our motherland] Skazki narodov nashei Rodiny. [Gor'kii] Gor'kovskoe knizhnoe izd-vo, 1962. 350 p. illus.
(NIC)

TALES, KET

TALES, LITHUANIAN

[Queen of the swans; Lithuanian folk tales] Koroleva lebedei, litovskie narodnye skazki. Vilnius, Gos. izd-vo khudozh. lit-ry Litovskoi SSR, 1962. 410 p.
(DLC)

TALES, SERBIAN

[Serbian folk tales. Translated from the Serbian] Serbskie narodnye skazki. Moskva, Gos. izd-vo khudozh. lit-ry, 1956. 231 p. illus.
(InU)

TALLINN—MOTORCYCLE RACING

Self-financing in action. E. Petrenko, I. Riabkovskii. Za rul' 21 no. 5:8-9 My '63.

TALYSH MOUNTAINS—GEOLOGY, STRATIGRAPHIC

Bagmanov, M. A. [Paleogene sediments of the Gornyy Talysh, stratigraphy and molluscan fauna] Paleogenovye otlozheniia Gornogo Talysha, stratigrafiia i mollyuskovaia fauna. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 141 p.

TALYSH MOUNTAINS—MOLLUSK, FOSSIL

Bagmanov, M. A. [Paleogene sediments of the Gornyy Talysh, stratigraphy and molluscan fauna] Paleogenovye otlozheniia Gornogo Talysha, stratigrafiia i mollyuskovaia fauna. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 141 p.

TAMAN PENINSULA—GEOLOGY, STRATIGRAPHIC

Some problems of the Middle Pliocene stratigraphy of the Taman Peninsula. I. P. Zhabrev, V. N. Burlak. Trudy KF VNII no. 1:95-99 '59.

TAMBOV—FLIGHT TRAINING

Fascinated by the sky. M. Lebedinskii. Kryl. rod. 14 no. 7:25-26 Jl '63.

TAMBOV—MACHINERY INDUSTRY—MANAGEMENT

Material self-interest and reducing the waste. V. Veretennikov. Sots. trud 8 no. 6:47-48 Je '63.

TAMBOV—WAGES—MACHINERY INDUSTRY WORKERS

Material self-interest and reducing the waste. V. Veretennikov. Sots. trud 8 no. 6:47-49 Je '63.

TAMBOV PROVINCE—CORN (MAIZE)

Some farming practices for corn under the conditions prevailing in Tambov Province. IU. D. Lugovitsin. Dokl. TSKHA no. 62:39-41 '61.

TAMBOV PROVINCE—SOYBEAN

Results of three years' work in soybean growing in Tambov Province [with summary in English]. A. I. Moldashev. Izv. TSKHA no. 3:35-48 '63.

TANGANYIKA—WOMEN

"Uhuru na amani!" (Independence and peace). Kannasia Mtenga. Az. i Afr. seg. no. 8:40-41 Ag '63.

TANGERINE

Preliminary testing in the study of the effect of ionizing radiation on the keeping time of fresh tangerines. I. P. Kovalevskaia, S. V. Silaeva. Konservn. prom. 18 no. 9:26-30 S '63.

TANGERINE—VARIETIES see subdivision under Sukhumi region

TANK CARS

Measures for the specialization of a fleet of tank cars. Zhel. dor. transp. 45 no. 7:67 Jl '63.

TANK VESSELS

Advantage of designing large-tonnage tank vessels with excess metacentric height. V. S. Dorin and others. Sudostroenie 29 no. 7:5-8 Jl '63.

Tankers of the "Ogre" type. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:9-15 '62.

Using tanker loading systems for the warming-up of petroleum products by heated jet. G. Shvorin. Mor. flot 23 no. 6:22-24 Je '63.

TANK VESSELS—CLEANING

Practices of the Dzerzhinskii plant in the electrolytic cleaning of tanks. F. I. Karpova. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 10:102-106 '62.

TANK VESSELS—DESIGN AND CONSTRUCTION

Efficient design and the reduction of building costs for large-capacity tank vessels. E. Chekha. Mor. flot 23 no. 6:25-27 Je '63.

TANK VESSELS—EQUIPMENT AND SUPPLIES

Technical re-equipment in pumping machinery. N. Sennikovskii. Rech. transp. 22 no. 7:30-31 Jl '63.

TANK VESSELS—STATISTICS

State of the world tanker fleet. L. Bogdanov. Mor. flot 23 no. 5:35-36 My '63.

TANK WARFARE

In the direction of the main blow. V. Mostovenko. Tekh. mol. 31 no. 9:18-21 '63.

TANNING see subdivision under Uzbekistan

TANNING MATERIALS see also subdivision under Sea region

TANNU-TUVA see Tuva A.S.S.R.

TANTALITE—ELECTRIC PROPERTIES

State of a double electric layer of tantalite-containing minerals during flotation. Nalfonov, S. I. Pol'kin, R. Sh. Shafeev. Izv. vuzov, tsvet. met. 6 no. 1:10-16 '63.

TANTALUM

Some characteristics of the mineralogy and of niobium and tantalum in the pneumatolitic-thermal metasomatic process and in related rocks. M. A. Kudriuma. Min. syr'e no. 2:

Tungsten deposits as a new source of tantalum. Rybochkin and others. Razved. i okh. nedr 10-12 Jl '63.

TANTALUM—ANALYSIS

Gravimetric method for the quantitative determination of niobium and tantalum following extraction by anion [with summary in English]. [N. ko and others. Zhur. anal. khim. 18 no. 1 '63.

TANTALUM—METALLURGY

Conditions for the extractive separation and flotation of tantalum and niobium complexes. [ganov, V. D. Ponomarev, O. A. Khan. Trudy, Kir. AN Kazakh. SSR 14:30-51 '63.

TANTALUM COMPOUNDS

Oxalate complexes of niobium and tantalum. [Sun-tsu-an-zhun [Chin. Kexue tongbao] Vest. Sov. Khim. 18 no. 4:73-74 Jl Ap '63.

TANTALUM COMPOUNDS—ABSORPTION SPECTRA

Comparative characterization of spectrophotometric methods for determining tantalum and niobium. General criteria and inorganic reagents. V. ko, O. M. Dremenko. Ukr. khim. zhur. 29 no. 6:598 '63.

Comparative characterization of spectrophotometric methods for determining tantalum and niobium. Use of organic reagents. A. I. Pilipenko, [ko, Ukr. khim. zhur. 29 no. 6:638-644 '63.

TAPEWORMS see subdivision under Ruminants

TAPS AND DIES—STANDARDS

Violation of standards for basic dimensions of taps. S. T. Polstunan. Standarti i kontr. Jl '63.

TARASHCHA DISTRICT—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

Introducing high cultural standards into the life of villages; how eight staff workers of the Communist Youth League succeeded in nine thousand members. Komsom. zhizn' no. Jl '63.

TARBAGATAY RANGE—WATER, UNDERGROUND

Underground waters of the Tarbagatay Range in Kazakh. SSR. Sb. geol. nauk no. 1:91-74 '63.

TARTARIC ACID

Chemical characteristics of the reaction of the $Pb(OH)_2 - K_2C_4H_4O_6$ and $Cd(OH)_2 - NaOH - H_2C_4H_4O_6$ with an excess of hydroxy acid salt present in the M. E. Tsimbler, N. S. Prozorenik. Ukr. khim. zhur. no. 6:582-585 '64.

TASHKENT—AGRICULTURAL MACHINERY INDUSTRY

Aunt Shura, the brigade leader. N. Solov'ev. zhizn' [Uzb.] 6 no. 7:30-31 Jl '64.

TASHKENT—AGRICULTURAL MACHINERY INDUSTRY—LABOR PRODUCTIVITY

Measuring the labor productivity of auxiliary machinery manufacturing enterprises. [I. P.]. Nauch. zap. Tashk. fin.-ekon. inst. no. 1:

TASHKENT—HACKBERRY

Representatives of the genus Celtis L. in Tashkent. Mavzhudov. Uzb. biol. zhur. 7 no. 4:

TASHKENT—HISTORICAL RESEARCH

Historical research in Tashkent University. A. [illegible] iveev, G. B. Nikol'skaia. Vop. ist. 38 no. Ag '63.

TASHKENT—INDUSTRIAL MANAGEMENT

We shall make a decisive effort to avoid unproductive losses. V. Skrebnev. Nar. khoz. Uzb. 5 no. Ag '63.

TASHKENT—MACHINERY INDUSTRY WORKERS

Train fighters. Sov. profsoiuzy 10 no. 13:6-11 Jl

TASHKENT—RADIOBIOLOGICAL RESEARCH

Needle found in a haystack. Vanda Bolotskaia, V. Ogonek 41 no. 39:10-16 Jl '63.

TASHKENT—TELEVISION STATIONS
Preparing to welcome the 22d Congress of the CPSU with appropriate achievements. Tekh. kino i telev. 5 no. 7:1-2 Jl '61.

TASHKENT—TEXTILE MACHINERY
Protecting government interests. I. Akhmatov. Part. zhizn' [Uzb.] 6 no. 7 75-76 Jl '63.

TASHKENT PROVINCE—CAROTENE
Carotene content in vegetable food products of Tashkent Province. Z. F. Nazarov. Uzb. biol. zhur. 7 no. 3:50-53 '63.

TASHKENT PROVINCE—DAIRY INDUSTRY—LABOR PRODUCTIVITY
Some problems of the increase of labor productivity in the dairy industry; based on the practice of the dairy industry in Tashkent Province. Kh. Khabibullaev. Nauch. rab. i soob. Otd. obshchestv. nauk AN Uz SSR 5:51-61 '62.

TASHKENT PROVINCE—ECONOMICS—STUDY AND TEACHING
Widen the propaganda of economic studies. F. Malukhin. Part. zhizn' [Uzb.] 6 no. 7 24-28 Jl '63.

TASHKENT PROVINCE—PLANTS—CHEMICAL ANALYSIS
Carotene in vegetable food products of Tashkent Province. Z. F. Nazarov. Uzb. biol. zhur. 7 no. 3:50-53 '63.

TASHKENT PROVINCE—PUBLIC HEALTH
For further achievements. M. N. Sirotinskii. Sov. zdrav. 22 no. 6:3-6 '63.

TASHKENT REGION—CASSIA
Biology of flowering in species of the genus Cassia. K. Khodzhaev. Uzb. biol. zhur. 7 no. 3:18-21 '63.

TASHKEPRI RESERVOIR—PARASITES—FISHES
Fish parasites in Tashkepri Reservoir. D. Sharapova. Izv. AN Turk. SSR Ser. biol. nauk no. 4, 64-67 '63.

TATAR A.S.S.R.
P'enko, Nikolai, comp. [We are from Soviet Tataria] My iz Sovetskoi Tatarii; sbornik statei. Kazan', Tatarskoe knizhnoe izd-vo, 1962. 346 p. (MH)

TATAR A.S.S.R.—CONSTITUTION
Tatar A.S.S.R. Constitution. [Constitution (fundamental law) of the Tatar Autonomous Soviet Socialist Republic, with amendments adopted at the eighth session of the Third Supreme Soviet of the Tatar A.S.S.R. and at the first, second, third, fourth, fifth, sixth, and seventh sessions of the Fourth Supreme Soviet of the Tatar A.S.S.R.] Konstitutsiia (osnovnoi zakon) Tatarskoi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki, s izmeneniiami i dopolneniiami, priniatymi na VIII sessii Verkhovnogo Soveta Tatarskoi ASSR tret'ego sozyva i na I, II, III, IV, V, VI, VII sessiiakh Verkhovnogo Soveta Tatarskoi ASSR chetvertogo sozyva. Kazan', Tatarskoe knizhnoe izd-vo, 1959. 25 p.

TATAR A.S.S.R.—CORN (MAIZE)—FERTILIZERS AND MANURES
Improving cultivation practices for corn in the Chernozem soils of the Tatar A.S.S.R. M. A. Vas'kov. Trudy Kaz. SKHI no. 43:117-125 '61.

TATAR A.S.S.R.—EDUCATION—CONGRESSES
Fifth conference on theory and practice of the teachers of Tataria. Sov. pedag. 27 no. 6:155 Je '63.

TATAR A.S.S.R.—FERTILIZERS AND MANURES
Phosphate meal mixed with superphosphate as phosphorus fertilizers in the soils of Tatarstan according to the results of pot and field experiments. B. I. Gorizontov. Trudy Kaz. SKHI no. 43:23-44 '61.

TATAR A.S.S.R.—SERVICE INDUSTRIES—AUDITING AND INSPECTION
Financial organs' control over the consumer service industries. S. Khalitov, P. Varfolomeev. Fin. SSSR 37 no. 6:68-72 Je '63.

TATAR A.S.S.R.—SUGAR BEETS
Growing sugar beets in checkrows. R. R. Khusainov. Trudy Kaz. SKHI no. 43:91-97 '61.
Practices in growing monospermous sugar beets in non-Chernozem soils in the Tatar A.S.S.R. A. L. Negoroshkov, I. N. Sokolov, Iu. I. Sil'ianova. Trudy Kaz. SKHI no. 43:109-111 '61.
Practices in harrowing sugar beet fields after sprouting. R. R. Khusainov. Trudy Kaz. SKHI no. 43:85-89 '61.
Sugar beets in non-Chernozem soils. A. L. Negoroshkov, Iu. I. Sil'ianova, I. N. Sokolov. Trudy Kaz. SKHI no. 43:69-108 '61.

TATAR A.S.S.R.—TEACHING
Development of the cognitive activity of students. M. Makhmutov. Nar. obr. no. 8:29-35 Ag '63.

TATAR A.S.S.R.—TILLAGE
Effect of various methods of tillage on some physiological processes in winter wheat. P. G. Butnova, N. L. Borisova. Trudy Kaz. SKHI no. 43:73-83 '61.
Practices in harrowing sugar beet fields after sprouting. R. R. Khuzainov. Trudy Kaz. SKHI no. 43:85-89 '61.

TATAR A.S.S.R.—TOMATOES
Effect of trace elements on the yield of tomatoes in Podzolic soils. A. Naboishchikova, A. Negoroshkov, Iu. Sil'ianova. Trudy Kaz. SKHI no. 43:113-115 '61.

TATAR A.S.S.R.—WHEAT
Effect of various methods of tillage on some physiological processes in winter wheat. P. G. Butnova, N. L. Borisova. Trudy Kaz. SKHI no. 13:73-83 '61.

TAUTOMERISM
On the theory of tautomerism of complex systems. B. I. Sukhorukov, V. I. Poltev. Izv. AN SSSR, Ser. khim. no. 8:1357-1364 Ag '63.

TAXATION—HANDBOOKS, MANUALS, ETC.
[Tax collector's manual] Spravochnik nalogovogo rabotnika] Moskva, Gosfinizdat, 1963. 280 p.

TAYMYR PENINSULA—CORDAITACEAE
Possibility of the determination of the wood of Cordaites in thin and polished sections of fossil coal. I. N. Drozdova. Sbor. st. po paleont. i biostrat. no. 28:90-92 '62.

TAYMYR PENINSULA—GASTROPODA, FOSSIL
Cambrian Gastropoda of the Siberian Platform and Taymyr Peninsula. V. A. Vostokova. Sbor. st. po paleont. i biostrat. no. 26, 51-74 '62.

TAZETTINE—PHYSIOLOGICAL EFFECT
Effect of the alkaloid tazettine and its derivative (methiodide) on the blood circulation. Kh. U. Aliev, I. K. Kamilov. Farm. zhur. no. 1:196-201 '62.
Effect of the quaternary base of tazettine on the vegetative ganglia. Kh. U. Aliev, I. K. Kamilov. Farm. zhur. no. 1:202-205 '62.

TBILISI see Tiflis

TEA
Free gallic acid in tea leaves. M. N. Zaprometov, V. IA. Bukhtiaeva. Dokl. AN SSSR 151 no. 1:231-233 Jl '63.

TEA BREEDING
(see also subdivision under Lenkoran Lowland)
Using additional pollination in the production of tea seeds. V. V. Kutubidze. Agrobiologiia no. 4:502-505 Jl-Ag '63.

TEACHERS
(see also subdivision under Kazakhstan)
Master teachers. Z. Pakhomova. Doshk. vosp. 36 no. 6:109-111 Je '63.
Parents thank them. I. Sochyvets'. Doshk. vykh. 24 no. 7:17-18 Jl '63.
Who is an educator? G. Uzhova. Mol. komm. no. 8:81-85 Ag '63.
Work of the Russian Social Democratic Party among rural teachers in the period of the struggle for the creation of the Bolshevik party. L. K. Erman. Sov. pedag. 27 no. 7:18-28 Jl '63.

TEACHERS, TRAINING OF
Moral training of future teachers. A. V. Ososkov. Sov. pedag. 27 no. 6:90-102 Je '63.
More on the training of primary grade teachers. V. F. Shmorgun. Rad. shk. 42 no. 7:55-57 Jl '63.
Pedagogics should take its deserved place in the institutions of higher learning. G. Balaniuk. Nar. obr. no. 8:23-28 Ag '63.
University conducted with school participation. V. D. Antonenko, O. F. Fomushkina. Rad. shk. 42 no. 7:52-55 Jl '63.
We help teachers and instructors. P. Titov. Prof.-tekh. obr. 20 no. 8:28 Ag '63.

TEACHERS, TRAINING OF—CONGRESSES
Seminar of the directors of institutes for teacher improvement. V. Serov. Sov. pedag. 27 no. 7:156-158 Jl '63.

TEACHING
(see also subdivision under Lipetsk Province; Penza Province; Tatar A.S.S.R.; Ukraine)
Activities, purposeful and random. M. Enikeev. Nar. obr. no. 6:34-38 Je '63.
Cause of the first priority. A. Chernikov. Nar. obr. no. 8:10-13 Ag '63.
First steps of experimental schools. A. Evgen'eva. Nar. obr. no. 8:20-22 Ag '63.
Goal is not far ahead. A. Faizulin. Nar. obr. no. 6:41-42 Ag '63.
Let's be tireless in improving the educational process. S. P. Shepelev. Nach. shkola 31 no. 7:55-58 Jl '63.
Let's improve the methods of conducting a lesson. L. Dizhur. Prof.-tekh. obr. 20 no. 8:27 Ag '63.
Let's teach children to observe. R. I. Bekker. Rad. shk. 42 no. 7:49-51 Jl '63.
Let's teach our children to study. V. Reshetnikov. Nar. obr. no. 6:25-27 Je '63.
The master relates about his search. B. Orlov. Prof.-tekh. obr. 20 no. 8:9-13 Ag '63.
Persistently develop the cognitive activity of students. N. Khammatova. Nar. obr. no. 8:123-125 Ag '63.
Principal's handwriting. E. Krechetova. Nar. obr. no. 8:84-89 Ag '63.
Problem of educational laws, principles and rules. V. Pomogaiba. Nar. obr. no. 8:43-46 Ag '63.
Variation in the forms of lessons. P. Loshchenko. Prof.-tekh. obr. 20 no. 8:8 Ag '63.

TEACHING MACHINES
Compiling programs for teaching machines. O. I. Diudin and others. Rad. shk. 42 no. 7:27-36 Jl '63.
We manufacture teaching machines. Iu. I. Sosnovskyi, I. V. Khaian. Rad. shk. 42 no. 8:50-52 Ag '63.

TECHNICAL ASSISTANCE, RUSSIAN see subdivision under India

TECHNICAL CHEMISTRY see Chemistry, Technical

TECHNICAL EDUCATION
(see also subdivision under Kuznetsk Basin, Minsk)
[The ABC's of an efficiency promoter] Azbuka ratsionalizatora. [Tambov] Tambovskoe knizhnoe izd-vo, 1963. 348 p.
Atutov, P. R. [Studying and working in school] Uchenie i trud v shkole. Moskva, Akad. pedagog. nauk RSFSR, 1962. 190 p. (MH)
Development of technical creativeness in children. Iu. S. Stolnarov. Sov. pedag. 27 no. 7:52-58 Jl '63.
Improve the quality of the training of specialized engineers and technicians for the clothing industry. Shvein. prom. no. 4, 1-3 Jl-Ag '63.
Plant-institutions of higher learning and their future. P. Pletnev. Sov. profsoiuzy 19 no. 14:11-13 Jl '63.
Polish research on the increased technical training in Soviet schools. IA. Ginevskii. Shkola i proizv. 7 no. 8:89-91 Ag '63.
Technical trend in general and vocational education. M. O. Zhydelev. Rad. shk. 42 no. 7:17-22 Jl '63.
Thoughts inspired by exhibits. G. Smirnov. Tekh. mol. 30 no. 11:17 '62.

TECHNICAL SOCIETIES
(see also subdivision under Armenia, China)
Basic attention to creative organizations. A. Sorokin. NTO 5 no. 6:25-26 Je '63.
How are decisions of the presidium of the All-Union Council of Scientific and Technological Societies carried out. V. Vorob'eva and others. NTO 5 no. 6:27-30 Je '63.
To work and live in a communist way. NTO 5 no. 6:2-4 Je '63.

TECHNICIANS IN INDUSTRY
Production needs an engineer-administrator. I. Razumov. Sots. trud 8 no. 6:61-68 Je '63.
To young specialists. V. Korotkov. Sov. profsoiuzy 19 no. 13:14-16 Jl '63.

TECHNOLOGICAL INNOVATIONS
(see also subdivision under Armenia; Estonia; White Russia)
Abroad. Prom. Arm. 6 no. 7:69-71 Jl '63.
Advertising board. Izobr. i rats. no. 7:22-23 '63.
All-Union public inspection. Mashinostroitel' no. 7:40-41 Jl '63.
All-Union public inspection of the fulfillment of research work and of the introduction of scientific and technical achievements to the national economy. Stan. i instr. 34 no. 7:45-46 Jl '63.
Conceived and achieved. Izobr. i rats. no. 7:10-11 '63.
For a close cooperation of innovators. B. Danilov. Kommunist 10 no. 14:126-128 O '63.
Here are the results of inspection. IA. A. Sukhorukov. Mashinostroitel' no. 7:30-30 Jl '63.
In the U.S.S.R. Prom. Arm. 6 no. 7:67-69 Jl '63.
Innovators' initiative and the economy. G. Podel'shchikov. Sov. profsoiuzy 19 no. 13:6-8 Jl '63.
Mechanization devices. M. G. Parnes. Priborostroenie no. 7:19-22 Jl '63.
Mishchenko, V. I. [Planning efficiency promotion work in enterprises] Planirovanie ratsionalizatorskoi raboty na predpriiatiiakh [Moskva] Profizdat, 1963. 60 p.
Rubinskii, V. S., and O. V. Pavlov. [Collection of consultations and explanations on the application of regulations on discoveries, inventions, and innovations and the instructions for awards] Sbornik konsultatsii i raz"iasnenii po primeneniiu polozhenila ob otkrytiiakh, izobreteniiakh i ratsionalizatorskikh predlozheniiakh i instruktsii o voznagrazhdenii. Izd. 2 Podgotovil I. K. Karaseva. Moskva, Izd-vo TsBTI, 1962. 84 p.
Several factors in speeding up technological progress. I. Maevskii. Vop. ekon. no. 9:54-64 S '63.
This could be used in your enterprise. Mashinostroitel' no. 7:26-27 Jl '63.
Time is flowing. Tekh. mol. 30 no. 11:39 '62.
Utilize more fully economic incentives for speeding up technological progress. E. Vasil'ev, I. Vakhlamov. Plan. khoz. 40 no. 9:10-15 S '63.

TECHNOLOGICAL INNOVATIONS—BIBLIOGRAPHY see Bibliography—Technological innovations

TECHNOLOGISTS
Pride of our science and technology. N. Arzhanikov. NTO 5 no. 6:21-24 Je '63.

TELEMETER

[illegible] of a binary-decimal code in case of a digital reading in a pulse-code telemetering system. N. I. Kalako[illegible], K. I. Slovinskii. *Priborostroenie* no. 9 18-19 '63.

TELEMETERING

[illegible] detection of false impulses and method of single [illegible] for noise analysis in telemetering [with summary in English]. N. V. Pozin. *Avtom. i telem.* [illegible] no. 9 1272-1278 S '63.

TELEPHONE

(see also subdivision under Moscow)

Calculation of clusters of lines with a mixing selector using an effective access technique. O. I. Panfilatova *Elektrosviaz'* 17 no. 7:63-69 Jl '63.

Basic principles for selecting an optimum network with partial access. M. I. Sheps. *Elektrosviaz'* 17 no. 7:40-46 Jl '63.

TELEPHONE DIRECTORIES see subdivision under *Moscow*

TELEVISION

Development of frequency methods for evaluating the quality of television systems. L. I. Khromov, V. I. Resin. *Radiotekhnika* 18 no. 6 29-35 Je '63.

Electron-optical converters for the reproduction apparatus of wide-screen television systems [with summary in English on p. 96]. L. N. Shvernik, D. D. Sudravskii. *Tekh. kino i telev.* 7 no. 8:21-28 Ag '63

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.

Pt. 3 Sec. E, ch. 1. [Communication installations, radio and television, general regulations for the organization of construction and acceptance of work] Sooruzheniia sviazi, radioveshchaniia i televideniia, obshchie polozheniia organizatsii stroitel'stva i priemki v ekspluatatsiiu (SNIP III-E. 1-62). *1963. 11 p.*

TELEVISION—ABSTRACTS

Abstracts section. *Tekh. kino i telev.* 7 no. 6:81-90 Je '63

Abstracts section. *Tekh. kino i telev.* 7 no. 8:78-91 Ag '63

TELEVISION—ANTENNAS

Television loop antennas. S. Sotnikov. *Radio* no. 8:37-39 Ag '63.

TELEVISION—APPARATUS AND SUPPLIES

Five instead of thirteen. *Ogonek* 41 no. 30:9 Jl '63.

TELEVISION—BIBLIOGRAPHY see Bibliography—Television

TELEVISION—EQUIPMENT AND SUPPLIES

(see also subdivision under Leningrad Economic region)

Lebedev-Karmanov, A. I., ed. [Modern radio transmitting equipment for radio and television broadcasting on ultrashort waves] *Sovremennoe radioperedaiushchee oborudovanie dlia radio i televizionnogo veshchaniia na ultrakorotkikh volnakh.* Moskva, *Sviaz'izdat, 1963.* 200 p. (Tekhnika sviazi)

Redesigning of the PTS mobile television station. K. A. Latsenko and others. *Tekh. kino i telev.* 5 no. 7: 64-69 Jl '61

Same problems in the development of television equipment. I. P. Zakharov. *Tekh. kino i telev.* 7 no. 6:66-67 Je '63.

Television sets, radio apparatus, and electronic calculating machines. *Inform. biul. VDNKH* no. 7:10 Jl '62.

[Central'nyi institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshlennosti. [Mechanizing the production and finishing processes of television cabinets] Mekhanizatsiia *protsessov proizvodstva i otdelki korpusov televizorov.* Moskva, 1963. 37 p. (Derevoobrabotka)

[MICROFILM]

TELEVISION—INTERFERENCE

Combined compensation *systems* of frequency distortions. V. I. Lisogurskii. *Tekh. kino i telev.* 6 no. 4: 42-48 Ap '62.

TELEVISION—PATENTS

Foreign television patents. *Tekh. kino i telev.* 5 no. 7: 93-94 Jl '61.

TELEVISION—PICTURE TUBES

Geometrical transformations of the television raster [with summary in English on p. 96]. M. G. Markovich, I. L. TSukkerman. *Tekh. kino i telev.* 7 no. 6:54-57 Je '63.

New diagram of *differential* aperture compensation. G. V. Braude, IU. S. Makarov. *Tekh. kino i telev.* 5 no. 7:40-42 Jl '61.

Resolving nonlinearity of the television scanning system [with summary in English on p. 96]. K. V. Saprykin. *Tekh. kino i telev.* 7 no. 6:42-48 Je '63.

TELEVISION—[illegible]

General method criterion for [illegible] S. I. Kataev, I. I. Khromov [illegible] 17-18 Ap '63.

Samoilov, V. P. [Qualitative indicators of image] Kachestvennye pokazateli izobrazheniia. Moskva, [illegible] (Massovaia radiobiblioteka) [illegible]

TELEVISION—REPAIRING

Repaired by amateurs. N. [illegible] Ag '63.

TELEVISION—TRANSMITTERS AND [illegible]

Methods of television signal [illegible] delay lines [with summary in English] Zakharov. *Tekh. kino i tele[illegible]*

Quality of television transmissions [with summary in English on p. 96]. IA. A. Ryffin. [illegible] no. 6:9-18 Je '63

TELEVISION BROADCASTING

(see also subdivision under Soviet [illegible])

All-Union Scientific and Technical [illegible] Problems of Long-Distance Broadcasting [illegible] Programs. *Tekh. kino i telev.* [illegible]

News in brief. *Tekh. kino i telev.* [illegible]

TELEVISION BROADCASTING EQUIPMENT

New motion-picture projector with optical for television broadcasting of [illegible] Tarasov. *Tekh. kino i telev.* 5 no. [illegible]

TELEVISION CAMERA TUBES

Application of gamma rays and ultra[illegible] *television.* I. K. Malakhov. *Tekh. kino i telev.* [illegible] no. 7:76-83 Jl '61.

TELEVISION CAMERAS

(see also subdivision under Great Britain)

Characteristics of television *systems* with [illegible] camera tube. A. M. Khalfin, V. N. [illegible] kino i telev. 5 no. 7:36-41 Jl '61

Contrast sensitivity of television [illegible] many [illegible] [with summary in English on p. 96]. V. [illegible] *Tekh. kino i telev.* [illegible]

Television convertor of infrared images [with summary in English on p. 96]. N. I. Artem'ev, [illegible] *Tekh. kino i telev.* 7 no. 6:58-61. Je '63

TELEVISION IN EDUCATION—BIBLIOGRAPHY

Bibliography—Television in education

TELEVISION IN POLICE WORK

The use of television in police work, [illegible] eign literature. V. M. Nikolaichik. *Vestnik* [illegible] 238-243 '62.

TELEVISION PROGRAMS see subdivision on [illegible]

TELEVISION PROJECTION—EQUIPMENT AND [illegible]

Automatic light control in the television [illegible] motion pictures [with summary in English] A. V. Vykhodets. *Tekh. kino i telev.* [illegible] '63.

TELEVISION STATIONS see subdivision on [illegible]

TELLURATES

Determination of tellurium in tellurates. [illegible] V. B. Sokolovich. *Izv. TPI* 111 65-67 '61

TELLURIUM

Coprecipitation of selenium and tellurium with [illegible] of collectors. I. P. *Okaf'lenok*, V. M. [illegible] Novikova. *Izv. TPI* 111 113-118 '61

Effect of selenium on the isomorphic replacement [illegible] sulfur by tellurium in sulfides. A. IU. Malofeev, [illegible] *AN SSSR* 142 no. 1:101-103 Ja '62.

TELLURIUM—ANALYSIS

Determination of selenium and tellurium in slimes from copper electrolysis. I. P. Omel'chenok, V. M. [illegible] *Izv. TPI* 111 65-67 '61.

Determination of tellurium in tellurates. I. P. [illegible] V. B. Sokolovich. *Izv. TPI* 111 62-64 '61

Polarographic determination of lead and tellurium in *technical selenium.* R. G. Pats and others. *Zav. lab.* 29 no. 8:928-929 '63.

TELLURIUM—SPECTRA

Determination *of force* constants and calculation of the vibration spectrum of tellurium. V. G. Bolkov. *Fiz. tver. tela* 5 no. 7:1822-1825 Jl '63.

TEMIRTAU—IRON MINES AND MINING

Causes for the caving of interchamber pillars and ceiling. V. A. Kropotov and others. *Ugol'* [illegible] prom. 7 no. 7:8-10 Jl '63.

TEMPERATURE—PHYSIOLOGICAL EFFECT

Effect of cooling and heating of water on the electrocardiogram and oxyhemoglobin content in the blood of [illegible] adapted to a certain temperature of the environment. V. A. Pogol', V. A. Remorov. *Nauch. dokl. vys. shkoly, biol. nauki* no. 3:54-57 '63.

TEMPERATURE—PHYSIOLOGICAL EFFECT
(Continued)

Effect of variable temperature on the causative agents of penicilliosis in corn seeds [with summary in English] F. IE. Nemilienko, T. L. Kuchura. Mikrobiol. zhur. 25 no. 4:18-22 '63.

Seasonal changes in the reaction of some species of voles (Microtinae) of Armenia to the action of the environmental temperature [with summary in English] S. B. Papanian. Zool. zhur. 42 no. 8:1245-1251 '63.

Temperature effect on the filtration of freshwater shells. G. P. Kondrat'ev. Nauch. dokl. vys. shkoly, biol. nauki no. 3:17-20 '63.

TEMPERATURE FIELDS

Effect of lateral heat losses on the temperature field in semi-infinite rods with a plane source of constant strength [with summary in English]. A. B. Verzhinskaia. Inzh.-fiz. zhur. 6 no. 7:70-75 Jl '63.

Temperature field of a uniform half-space. A. F. Krustalev. Inzh.-fiz. zhur. 6 no. 7:126-127 Jl '63.

Temperature field of an infinite hollow rotating cylinder [with summary in English]. E. P. Trofimov. Inzh.-fiz. zhur. 6 no. 7:83-87 Jl '63.

TEMPERATURE REGULATORS

Experience in the regulation of the coke oven battery with high burners. V. I. Romanenko. Koks i khim. no. 6: 18-20 '63.

TEMPERING

Temper brittleness of arsenic and chromium rail steel. A. N. Zamas and others. Stal' 23 no. 8:740-742 Ag '63.

TENSIOMETERS

Methodology used in tensiometric studies of belt conveyors. B. V. Faddeev, K. N. Mamaev, V. S. Volotkovskii. Vop. rud. transp. no. 7:63-74 '63.

TENT CATERPILLARS—BIOLOGICAL CONTROL

Granulosis virus in controlling the tent caterpillar Dendrolimus sibiricus. V. P. Luk'ianchikov. Les. khoz. 16 no. 2:57-58 F '63.

TEREPHTHALIC ACID

Electrical and mechanical properties of polyethylene terephthalate films. N. V. Alekseandrov, S. G. Trubachev. Vest. elektroprom. 34 no. 8:41-46 Ag '63.

Large periods in polyethylene terephthalate films [with summary in English]. A. I. Kitaigorodskii, D. IA. TSvankin, IU. M. Petrov. Vysokom. soed. 5 no. 7: 1062-1069 Jl '63.

Synthesis of terephthalic polyesters and their use as a base for the production of impregnation lacquers for electric insulation materials. R. S. Kholodovskaia, K. I. Zabyrina, N. M. Spivak. Lakokras. mat. i ikh prim. no. 3:12-16 '63.

TERESHKOVA, VALENTINA VLADIMIROVNA, 1937-

"Chaika" returns to the earth. Kryl. rod. 14 no. 9:10-11 S '63.

The first woman in space. O. Argunov. Kryl. rod. 14 no. 7:8-10 Jl '63.

I am "Seagull." Aleksei Golikov. Ogonek 41 no. 26: 6-7 Je '63.

Our Valia. V. Zhukov, V. Glyzina. Komsom. zhizn' no. 13:1-3 Jl '63.

Peskov, V. M., and M. F. Rebrov. [Wait for us, stars!] Zhdite nas, zvezdy! Pod red. N. P. Kamanina. Moskva, Molodaia gvardiia, 1963. 165 p.

TERRACES (GEOLOGY)
(see also subdivision under Lenivaya Valley; Ural Mountains)

Some criteria for appraising structural noses and terraces in oil and gas prospecting. A. D. Rybakova, A. M. Vel'kov. Geol. nefti i gaza 7 no. 6:27-32 Je '63.

TERRACING

Terracing the banks of the roadbeds of railroads. V. I. Gritsyk, IA. P. Ishchenko. Transp. stroi. 13 no. 7:4-5 Jl '63.

TERRESTRIAL MAGNETISM see Magnetism, Terrestrial

TERRITORIAL WATERS

Legal conditions of territorial waters and open seas. L. Shar-Baronov. Mor. flot 23 no. 6:42 Je '63.

TERSKEI ALATAU—THAWING

Artificial acceleration of thawing snow and ice in the mountains. V. G. Konovalov. Izv. Vses. geog. ob-va 95 no. 4:330-338 Jl-Ag '63.

TESTICLE—CANCER

Hormonal displacements in patients with malignant neoplasms of the testicle. I. F. IUnda. Vrach. delo no. 8:126-127 Ag '63.

TESTING LABORATORIES
(see also subdivision under Electrostal')

Guskii, P. A., and others. [Organization of a field laboratory for measuring and control instruments] Opyt organizatsii dorozhnoi kontrol'no-izmeritel'noi laboratorii. Moskva, Transzheldorizdat, 1962. 167 p.

Principles of the effective analytical control in industry. A. B. Shaevich, V. M. Solov'ev, L. I. Topalov. Zav. lab. 29 no. 8:1019-1022 '63.

TESTING MACHINES

Induction balances for the study of the thermal degradation of polymers. S. S. Leshchenko and others. Zav. lab. 29 no. 8:1016 '63.

New device and method of tensile testing refractories at high temperatures. E. N. Kelei and others. Ogneupory 28 no. 7:312-317 '63.

New impact testing machines for rapid mechanical testing of materials. V. G. Kononenko and others. Kuz.-shtam. proizv. 5 no. 5:27-31 My '63.

Principles for the selection of a design of a testing unit for mechanical testing of reinforced concrete pipes. IA. I. Kipins. Sbor. trud. LIIZHT no. 192:241-252 '62.

TESTING MACHINES—ABSTRACTS

[Precision mechanics, optics, and testing apparatus] Ref. zhur.: Tochmekh., opt. i isp. app. no. 10 O '63.

TESTS, MEDICAL see Medical tests

TETANUS

Therapeutic use of curarelike and neuroplegic substances in tetanus. K. M. Loban. Vrach. delo no. 6:90-93 Je '63.

TETRACORALLA
(see also subdivision under Altai Mountains, Siberian Platform)

Two new species of Silurian Rugosa. A. B. Ivanovskii. Trudy SNIIGGIMS no. 23 125-133 '62.

TETRACYCLINE

Some interrelations between the structure and activity mechanism in the series of tetracycline antibiotics. V. K. Plakunov. Dokl. AN SSSR 151 no. 5:1207-1210 Ag '63.

Synthesis of an analog of dimethyltetracycline. I. G. Botesov, M. N. Kolosov, M. M. Shemiakin. Dokl. AN SSSR 151 no. 5:1097-1099 Ag '63.

TEVRIZ DISTRICT—PUBLIC HEALTH

Our experience in organizing work pertaining to epidemiological and sanitary problems. I. N. Kamenskii. Fel'd. i akush. 28 no. 2:41-42 F '63.

TEXTILE FABRICS

Capillary hysteresis in fabrics. A. N. Braslavskii, A. M. Motorin. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2: 14-18 '63.

Levenko, P. I. [Use of the LZ-5 plasticizer in the manufacture of leather and industrial fabrics] Primenenie plastifikatora LZ-5 pri proizvodstve kozh i tekhnicheskikh tkanei. Moskva, Gizlegprom, 1963. 28 p.

Need for taking mutual pressure of the yarns into account in the design and construction of fabrics. L. G. Leites. Tekst. prom. 23 no. 8:44-48 Ag '63.

TEXTILE FABRICS—DRYING

Drying of fabrics by means of cold air. P. I. Khitrenilov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2:109-112 '63.

TEXTILE FABRICS—TESTING

Coefficient of utilization of the strength of the yarn in the fabric. K. I. Koritskii. Izv. vys. uchcb. zav., tekh. tekst. prom. no. 3:19-23 '63.

Effect of the number of layers on the physicomechanical characteristics of multilayer linen weave fabrics. G. I. Selivanov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 3:77-81 '63.

Resistance to abrasion of summer dress fabrics of various fiber composition. B. D. Semak. Izv. vys. ucheb. zav.; tekh. tekst. prom. no. 2:24-29 '63.

TEXTILE FACTORIES see subdivision under Ryazan; Yakhroma

TEXTILE FIBERS, SYNTHETIC
(see also subdivision under Balakova)

Kiselev, A. K. [New equipment and technology for the spinning of synthetic staple fibers] Novoe oborudovanie i tekhnologiia priadeniia shtapel'nykh volokon. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1962. 121 p.

Obtaining sodium thiocyanate for the manufacture of nitron fibers. M. S. Litvinenko and others. Koks i khim. no. 6:34-40 '63.

Study of synthetic polymers and molecular crystals by the negative contrast method. E. M. Belavtseva, K. Z. Gumargalieva. Zav. lab. 29 no. 8:966-968 '63.

Synthetic fibers made from polyvinyl alcohol. K. E. Perepelkin, M. D. Perepelkina. Tekst. prom. 23 no. 8: 27-31 Ag '63.

X-ray diffraction examination of polyethylene, polycaproamide, and polyethylene terephthalate fibers [with summary in English]. IU. A. Zubov, G. S. Markova, V. A. Kargin. Vysokom. soed. 5 no. 8:1171-1177 Ag '63.

TEXTILE INDUSTRY
(see also subdivision under Pavlovskiy Posad)

Brief information on the textile industry in foreign countries. Tekst. prom. 23 no. 8:87-88 Ag '63.

Concerning the textbook "Commercial study of textiles" by G. N. Kukin and A. N. Solov'ev, professors of the Moscow Textile Institute. T. A. Modestova, B. A. Buzov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 3:156-157 '63.

Emulate the "beacons!" Tekst. prom. 23 no. 8:1-3 Ag '63.

Manufacture of textile and dry goods. E. G. Mazina. Tekst. prom. 23 no. 8:86-87 Ag '63.

Possibilities and prospects of the application of mathematical statistics in the problems of textile manufacture. IU. S. Vinogradov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 3:150-155 '63.

Reference material. Tekst. prom. 23 no. 8:93-95 Ag '63.

Schedule which makes workers' labor easier. I. Gandurin. Sots. trud 8 no. 6:20-27 Je '63.

Study of the economics of textile production. A. Zhorov. Plan. khoz. 10 no. 9:95-96 S '63.

Zotikov, V. E., and others. [Equipment and technology for the processing of fibrous materials] Mekhanicheskaia tekhnologiia voloknistykh materialov. Pod red. V. E. Zotikova. Moskva, Gizlegprom, 1963. 638 p.

TEXTILE INDUSTRY—LABOR PRODUCTIVITY

As told by the participants of the All-Union Conference on Industries and Construction and of the All-Union Conference of the Foremost Workers of Communist Labor. T. P. Mochalova and others. Tekst. prom. 23 no. 8:4-11 Ag '63.

TEXTILE INDUSTRY—LABOR PRODUCTIVITY—BIBLIOGRAPHY see Bibliography—Textile industry—Labor productivity

TEXTILE INDUSTRY—MAINTENANCE AND REPAIR

Gitshin, P. I. [Mechanization of cleaning work in the textile industry] Mekhanizatsiia chistki v tekstil'nom proizvodstve. Moskva, Gizlegprom, 1963. 158 p.

TEXTILE INDUSTRY—MANAGEMENT

Experiment of the textile and dry goods industry in the use of the methodology for determining the degree of labor mechanization. E. M. Shmarganer. Tekst. prom. 23 no. 8:11-15 Ag '63.

TEXTILE INDUSTRY—QUALITY CONTROL

Stories about the worker's honor. V. Polynin. Sov. profsoiuzy 19 no. 14:22-23 Jl '63.

TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Ivanovo Province

TEXTILE INDUSTRY—TESTING

Control and regulation apparatus and laboratory instruments in the textile industry. Inform. biul. VDNKh no. 5:10 My '62.

TEXTILE MACHINERY
(see also subdivision under Tashkent)

Denisov, V. I. [Mechanization of work in the Yakhroma spinning and weaving factory] Mekhanizatsiia truda na IAkhromskoi priadil'no-tkatskoi fabrike. Moskva, Gizlegprom, 1963. 32 p.

Effect of the performance of knotting machines on warp contortion. E. N. Vashetko, Z. V. Zakharova. Tekst. prom. 23 no. 8:50-51 Ag '63.

Fiber distributor for scutchers. M. I. Ravskii. Tekst. prom. 23 no. 8:43-44 Ag '63.

Pay more attention to the heat insulation of equipment. G. N. Smirnov. Tekst. prom. 23 no. 8:82-83 Ag '63.

Ways of increasing labor productivity in the drawing sections. M. M. Katta-Khodzhaev. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2,3-10 '63.

Zotikov, V. E., and others. [Equipment and technology for the processing of fibrous materials] Mekhanicheskaia tekhnologiia voloknistykh materialov. Pod red. V. E. Zotikova. Moskva, Gizlegprom, 1963. 638 p.

TEXTILE MACHINERY INDUSTRY

Gladkov, K. M. [Machine-tool attachments used in the manufacture of textile machinery] Stanochnye prisposobleniia v tekstil'nom mashinostroenii. Moskva, Mashgiz, 1963. 214 p.

TEXTILE PRINTING

Vat color printing of fabrics made from acetate fibers. F. I. Sadov, K. G. Kalinina, E. P. Nazarova. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2:107-111 '63.

TEXTILE RESEARCH

From practices of a methodological management of factory research laboratories. N. M. Golubev. Tekst. prom. 23 no. 8:20-23 Ag '63.

TEXTILE WORKERS
(see also subdivision under Bulgaria)

Classification of workers in cotton factories. A. B. Vartanian. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2: 11-13 '63.

THAILAND—MILITARY BASES, AMERICAN

Thailand, a SEATO base [with English summary in insert]. Az. i Afr. seg. no. 6:34-35 Ag '63.

...ALLOYS—PHOTOELECTRIC PROPERTIES
... Photoelectric properties of p-TlSn ... M. F. Alieva, ... Fiz. tver. tela 5 no. 2 2057-2059 Ag ...

...ALLOYS
... R. ... Alieva)

...ANTHS
... Evolution and Genetics, Khar'kov, Moscow, ...

Mayakovskiy, Pt. 1 [Earth of the Communist Youth ... Mayakovskiy] Pt. 1 [Publications and plans of the theatre] Moskva, Izd-vo "Iskusstvo", 1963. 287 p.

... [Orchestra] Orkestr. Moskva, ... 343 p.

... Bor ... 32 no. ...

ISOCOMPLEXES
... of the effect of the incline of the vertical ... of isocomplexes. V. V. Sokolov, G. G. Part, ... 21 A '63

THEORY OF GROUPS see Groups, Theory of

THEORY OF NUMBERS see Numbers, Theory of

THEORY OF STRUCTURES see Structures, Theory of

THERAPEUTICS—ABSTRACTS
... of the Moscow Society of Therapists. ... Ter. arkh. 35 no. 12 112-116 D '63

THERMAL ANALYSIS
... basis of theory of processes in stages during drop ... [Abstract in English] B. F. Trakhtenberg, ... Izv. AN Kaz. SSR, Ser. fiz.-mat. nauk no. 7 113-120 Jl ...

... for the thermal analysis of metal specimens ... M. V. Sazonov. Trudy Inst. met. no. 15 ...

Thermographic curves of East Kazakhstan shales. V. V. ... Trudy Alt. GMRII AN Kazakh SSR 14 160-... '63.

... and properties, ... V. P. Gorshkov. Izv. ... 4 327-344 Ag '63

THERMAL STRESSES
... of ... for monuniform heat-... P. I. Polubarinova-Kochina. PMTF no. 3 107-... My-Je '63

... the effect of composition and temperature ... on the ... of shell cast aluminum alloys. Ma Hsiao-tsai [Ma Chia-chü], A. G. Spasskiy. Liteynoye proizv., tsvet. met. 6 no. 3 125-127 '63

... heat conduction and thermoelastic stresses in a hollow cylinder [with summary in English]. P. L. ... Inzh.-fiz. zhur. 6 no. 7 78-82 Jl '63

THERMAL WATERS
(see also Subdivision under Soviet Central Asia)
... ... thermal waters in the U.S.S.R. F. A. ... V. F. Vaganov, Sov. geol. 6 no. 8 78-94 ...

THERMISTORS
... ... bead-type thermistors. I. T. Shefter ... Prib. i tekh. eksper. 34 no. 6 71-73 Ag ...

THERMOCHEMISTRY
... interaction of nickelous ion and ... in aqueous solu... I. P. Gerasimov, A. M. Prokof'ev, S. M. Skuratov ... Vest. Mosk. un-ta. Ser. 2, Khim. 18 no. 4 39-43 Jl-Ag '63

Estimation of the thermal effect of water separation from melts of acid composition based on the albite-water system [with summary in English]. N. I. Khitarov, A. A. Kadik, E. B. Lebedev. Geokhimiya no. 7 619-... Jl '63.

... of ... the heat factor in the scattering ... P. P. ... Fiz. met. i metalloved. 16 ... Jl '63

... the structure and the mechanism of titanium ... reduction processes. V. D. Savin, V. A. ... Red. tsvet. metallurgii i splavov no. 9 172-185 '63

Thermochemical study of the stabilization of the structure of cement hydrates of a montmorillonite. M. N. Buslaev, O. P. Mchedlov-Petrosyan, and Zhur. strukt. khim. 4 no. 4 502-... Jl-Ag '63

THERMOCOUPLES
... of arc-active electrodes for thermocouples. G. V. ... Kiriy, B. B. Vlasov. Ogneupory 28 no. 7 311-314 '63

THERMODYNAMICS
... approximate simulation of nonisothermal gas ... of ... V. I. Syromiatnikov, F. V. Volkov, V. I. Muslov. Trudy Ural. politekh. inst. no. 108 ... '62

... Generalization of some experiments on critical boiling of ... liquid in forced motion taking the theory of thermodynamic similarity as a basis. L. E. Mikhailov. PMTF no. 3, 130-135 M.-Je. '63.

... temperature internal friction in the case of longitudinal oscillations. S. I. Meshkov, I. P. Shermergor. PMTF no. 3, 20-25 My.-Je. '63.

Measurement of thermophysical coefficients using the absolute method of the regular regime of the third kind with compensation of the irregular process [with summary in English]. F. M. Kravchuk. Inzh.-fiz. zhur. 6 no. 7, 3-6 Jl '63.

Methods for evaluating the local heat transfer coefficient in a flow past a cylindrical surface [with summary in English]. V. K. Shchukin. Inzh.-fiz. zhur. 6 no. 7, 7-12 Jl '63.

Theory of second-order phase transitions. A. P. Levanyuk. Fiz. tver. tela 5 no. 7 1776-1782 Jl '63.

Thermodynamic analysis of gas liquefaction processes [with summary in English]. V. M. Brodianskii. Inzh.-fiz. zhur. 6 no. 7, 36-42 Jl '63.

Thermodynamic characteristics of the change of mobility of water molecules during the hydration of ions. G. A. Krestov, V. I. Plepov. Zhur. strukt. khim. 4 no. 4 507-... Jl-Ag '63.

Thermodynamic interpretation of the Manley-Rowe theorem in the theory of nonlinear electric oscillations [with summary in English]. V. A. Fabrikov. Inzh.-fiz. zhur. 6 no. 7, 60-65 Jl '63.

THERMOMETERS
Device for determining the dew-point temperature of flue gases. V. E. Borvech. Pribory i tekhn. eksper. no. 9, 31-32 S '63.

Temperature dependence of carbon resistance thermometers. I. N. Fal'kina. Prib. i tekh. eksp. 8 no. 3, 204-... My.-Je. '63.

THIADIAZOLESULFONAMIDE
Study of the effectiveness of lotusrit for the prevention of hemorrhages in the anterior chamber following a cataract extraction [with summary in English]. E. O. Sobolevskaya. Uch. zap. GNII glaz. bol. no. 8, 101-106 '63.

THIENOTHIOPHENE
Thiophthene series. Report No. 3: Cyclization of acetonylmercaptothiophenes in the presence of aluminum chloride. IA. L. Gol'dfarb, V. P. Litvinov. Izv. AN SSSR, Ser. khim. no. 9, 1621-1626 S '63.

Thiophthene series. Report No. 4: Quantitative composition of the product obtained by the cyclization of 5-ethyl-2-acetonylmercaptothiophene in the presence of aluminum chloride. IA. L. Gol'dfarb and others. Izv. AN SSSR, Ser. khim. no. 9, 1627-1631 S '63.

THIOCYANATE CRYSTALS
Structural motifs of crystals of some thiocyanate compounds of bivalent nickel and copper. M. V. Poray-Koshits. Zhur. strukt. khim. 4 no. 4 584-593 Jl-Ag '63.

THIOCYANATES
Effect of nonaqueous solvents on the formation of thiocyanate complexes of indium (III). A. M. Golub, V. M. Samoilenko. Ukr. khim. zhur. 29 no. 6 599-600 '63.

Kinetics of the reduction of the thiocyanato complex of iron in the presence of copper ions. B. E. Reznik, N. A. Bedniak, M. V. Pchelkina. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2, 209-211 '63.

Thiocyanate complexes of indium. A. M. Golub, V. M. Samoilenko. Ukr. khim. zhur. 29 no. 5, 472-479 '63.

THIOLS
"Thiolation" reactions of ethylene derivatives. E. N. Prilezhaeva, M. F. Shostakovskii. Usp. khim. 32 no. 8, 897-947 Ag '63.

THIOPHENE
New method of synthesizing macrocyclic compounds. Report No. 3: Intramolecular alkylation of 2-(ω-iodoalkyl)-5-(carbethoxyacetyl)thiophenes. IA. L. Gol'dfarb, S. Z. Taits, V. N. Bulgakova. Izv. AN SSSR, Ser. khim. no. 7, 1299-1307 Jl '63.

Thiophene recovery from benzene fractions by the sulfonation method with subsequent hydrolysis. P. P. Karpukhin, A. G. Nikitenko. Koks i khim. no. 10, 36-39 '62.

Thiophthene series. Report No. 3: Cyclization of acetonylmercaptothiophenes in the presence of aluminum chloride. IA. L. Gol'dfarb, V. P. Litvinov. Izv. AN SSSR, Ser. khim. no. 9, 1621-1626 S '63.

Thiophthene series. Report No. 4: Quantitative composition of the product obtained by the cyclization of 5-ethyl-2-acetonylmercaptothiophene in the presence of aluminum chloride. IA. L. Gol'dfarb and others. Izv. AN SSSR, Ser. khim. no. 9, 1627-1631 S '63.

THIOPHOSPHATES
Interaction of diethylchlorothiophosphate with hydrolytic lignin and its derivatives. L. A. Pershina, S. N. Zagrebel'nyi. Izv. TPI 111, 46-50 '63.

THIOPYROPHOSPHORIC ACID
Synthesis of amido esters of pyrophosphoric and thiopyrophosphoric acids. K. V. Nikonorov, Z. G. Speranskaia. Izv. AN SSSR, Ser. khim. no. 8, 1697-1699 S '63.

THIOSULFATES
Catalytic effect of thallium (IV) on the ... tion of thiosulfate by hydrogen peroxide ... of concentration. A. I. Brailovskaya, V. ... Khim. zhur. 29 no. 6, 618-62... N '63.

THIRST
Drinking conditions on ships ... review of literature. N. I. ... Voen.-med. zhur. no. 8, 68-... '63.

THIURAM DISULFIDE
Role of zinc oxide in the vulcanization of ... tetramethylthiuram disulfides [with summary ... R. Sh. Frenkel', A. S. Kuz'minskii. Vysokomol. ... no. 6, 834-836 Je '63.

THOREAU, HENRY DAVID, 1817-1862
Life in the forest. I. Sokolov-Mikitov. ... no. 9, 266-268 S '62.

THORIUM ISOTOPES
Isotope composition of uranium and thorium ... zone, study of fossil bones, ... shells. V. V. Cherdyntsev, E. V. ... Kuznetsova. Geokhimiia no. 1, 25-... '63.

THREE BODIES, PROBLEM OF see Problem ... bodies

THREE-DIMENSIONAL MOTION PICTURE ... pictures, Three-dimensional

THREE-SPINED STICKLEBACK see Kandalaksha Bay

THRESHING MACHINES
Special features of the threshing system ... mechanism of the ANP-500 thresher. ... Nauch. trudy UNIMESKH 4, 125-128 '63.

THYROID GLAND
Changes in the function of the thyroid gland ... ease (with summary in English). G. A. ... Ter. arkh. 35 no. 1, 84-89 Ja. '63.

Emergency aid in poisoning with ... summary in English). V. P. ... no. 11, 27-31 N '62.

Functional state of the thyroid gland in infant ... specific polyarthritis [with summary in ... Filinov, V. V. Obraztsovskaia. ... Ag '63.

Thyroid and parathyroid glands. A. ... 9 no. 5, 28 My '63.

THYROID GLAND—CANCER
Radioactive iodine therapy in ... A. I. Strashinin, L. V. Ivanova. Vop. ... 118 '63.

THYROID GLAND—DISEASES
Examination of the thyroid gland by the ... (with summary in English). V. K. ... Klochko, A. Kh. Mirkhodzhaev. ... 22 N '62.

Organization of work and norms of ... personnel engaged in the diagnosis and ... thyroid gland diseases with radioactive ... mary in English). V. Kh. Frenkel' ... 23-26 N '62.

Oxygen consumption in patients with thyrotoxicosis ... the effect of oxygen therapy. D. G. Khumarova. ... delo no. 8, 125-126 Je '63.

TIBET—BOTANY, MEDICAL—DICTIONARIES
Gammerman, A. F., and B. V. Semichov. [Dictionary of Tibetan-Latin-Russian names of medicinal plants in Tibetan medicine] Slovar' tibetsko-latino-russkikh nazvanii lekarstvennogo rastitel'nogo syr'ia, primeniaemogo v tibetskoi meditsine. Ulan-Ude, Izd-vo Akad. nauk SSSR, 1963. 1 v.

TIBETAN LANGUAGE—DICTIONARIES, POLYGLOT
Gammerman, A. F., and B. V. Semichov. [Dictionary of Tibetan-Latin-Russian names of medicinal plants in Tibetan medicine] Slovar' tibetsko-latino-russkikh nazvanii lekarstvennogo rastitel'nogo syr'ia, primeniaemogo v tibetskoi meditsine. Ulan-Ude, Izd-vo Akad. nauk SSSR, 1963. 1 v.

TICKS
(see also subdivision under Dadkhyz Pereval; Bet-Pak-Dala; Chimkent Province; Kayl-Orda Pass; Trans-Ili Alatau)
Differential characters of the larvae of Ixodes ... P. Sch. and Ixodes apronophorus P. Sch. [with ... in English]. V. I. Alifanov. Zool. zhur. 42 ... 1266 '63.

Morphology of the fourth segment of the palpus of ... center marginatus Suiz. E. B. Diusembaev, V. I. ... kul'. Trudy Inst. zool. AN Kazakh. SSR 19, 118-... '63.

TICKS AS CARRIERS OF DISEASE see subdivisions under Kaion-Karagay District

TIDES
Pevtsev's method for a harmonic analysis of 30-day series of observations of tidal gravity variations. V. G Balenko, P. I. Pytushenko. Trudy Polt. grav. obser. 12 27-47 '63.
Reduction values for calculating grouped earth tidal waves for the years 1958 through 1967. P. S Matveev, S. N Zakharchenko. Trudy Polt. grav. obser. 12 59-99 '63.
Remarks on averaging the results of a harmonic analysis of earth tides. P. S. Matveev. Trudy Polt. grav. obser. 12 115-124 '63.

TIEN SHAN—APPLE—VARIETIES
Apple hybrids of the Botanical Garden in the Tien Shan E. Z Gareev, N V Litvinov. Izv. AN Kir SSR Ser biol nauk 5 no 3 19-51 '63

TIEN SHAN—FIELD MICE
Specific independence of the Tien Shan forest vole Clethrionomys frater Thos [with summary in English] O. L. Rossolimo. Zool zhur. 42 no 8:1268-1272 '63

TIEN SHAN—TORTOISES, FOSSIL
New find of Neocene tortoise in the northern Tien Shan L. I Khozatskii, V V Kuznetsov Mat. po ist fauny i flory Kazakh 1 3-11 '63.

TIES (NECKWEAR) see Neckties

TIFLIS—AERIAL SPORTS
This is friendship. I. Zharkovskii Kryl. rod 14 no. 7,34-35 Jl '63.

TIGIL' REGION—PALEOBOTANY, STRATIGRAPHIC
Eocene flora of the Tigil' coal deposits of Kamchatka G P Vcherashniaia Bot zhur 48 no 7 1021-1026 Jl '63

TIKHOMIROV, MIKHAIL NIKOLAEVICH, 1893-
Evaluation and description of the sources of Russian history in the works of Academician M N Tikhomirov, on his 70th birthday. V. I. Buganov. Probl. istoch. no. 11:514-523 '63

TILLAGE
(see also subdivision under Leningrad Province, Orel Province, Pologi District; Tatar A.S.S.R.)
Entomological evaluation of various systems of soil tillage under conditions prevailing in the central regions of the non-Chernozem belt. M. I. Grechka. Dokl. TSKHA no. 62. 167-460 '61.
Plow with a spring-tooth harrow for intertillage in forest nurseries. A. Kh. Arslanov. Les. khoz. 16 no. 5:65 My '63.

TIMAN RIDGE—DIABASE
New find of diabase in the Riphean metamorphic layer in the central Timan Ridge. L. A. Raznitsyna, V A Raznitsyn. Trudy Inst. geol. Komi fil AN SSSR no 3:151-156 '62.

TIMAN RIDGE—LEUCOXENE
Leucoxene of Devonian sandstones in the southern Timan Ridge. K. P. IAkulov, I. V. Chulkova Trudy Inst geol Komi fil. AN SSSR no. 3:157-169 '62.

TIMAN RIDGE REGION—GEOLOGY, STRATIGRAPHIC
Permian and Triassic of the Zimino anomaly area in the southwestern part of the Timan Ridge region. V. A. Molin, G. F. Budanov. Trudy Inst. geol. Komi fil AN SSSR no. 3:67-77 '62.
Stratigraphy of Quaternary sediments in the western part of the Timan Ridge region. E. I. Deviatova Trudy Inst. geol. Komi fil. AN SSSR no. 3:103-112 '62.

TIMAN RIDGE REGION—GEOLOGY, STRUCTURAL
Development of large platform structures in the Timan-Pechora area V. A. Raznitsyn. Trudy Inst. geol Komi fil. AN SSSR no. 3:113-123 '62.

TIME PERCEPTION
Experiment "Time" (translated from the French). Michel Siffre. Vokrug sveta no 1 24-25, 45 Ja '63

TIME STUDY
Discussion of the White Russian experiment. L. Vainshtein, V. Lukianov, IA. Kachanov. Sots. trud 8 no. 6:28-34 Je '63.
Experience, advice and suggestions. Sots. trud 8 no. 6:128-131 Je '63.
Improve methods for determining the time expended per unit of production. V. Rozhkova. Sots. trud 8 no. 6:99-104 Je '63.

TIMOTHY GRASS
(see also subdivision under Otradnoye region, Leningrad Province)
Prolification of inflorescences in common timothy (Phleum pratense L.). A. K. Fedorov, L. P. Chel'tsova. Bot. zhur. 48 no. 7 1005-1011 Jl '63.

TIN—ABSORPTION SPECTRA
Investigating L$_{III}$ X-ray spectra of tin absorption in α-Sn, β-Sn, and Mg_2Sn. I. B. Borovskii, N. V. Troneva, G. N. Ronami. Trudy Inst. met. no. 15:88-95 '63.

TIN—METALLOGRAPHY
Electron diffraction and electron microscope examination of a transition layer of tin plate. G. A. Kokorin. Zav. lab. 29 no. 8:952-954 '63.

TIN—METALLURGY
Investigating the kinetics of the interaction of carbon with oxygen dissolved in copper and tin. P. M. Shurygin, V. I. Kriuk. Izv vys ucheb. zav., tsvet. met 6 no. 3 56-63 '63.

TIN CANS
New type of acid-resistant lacquer for electrolytically plated and tinned iron. A. D. Parkhomovskaia. Kons. i ov. prom. 18 no 7:18-22 Jl '63

TIN CANS—TESTING
Hermetical sealing action exerted by the packing paste during the sterilization of nonhermetic tin containers. T. I. Kukushkina. Kons. i ov prom. 18 no 7:22-24 Jl '63.

TIN ORGANIC COMPOUNDS
Synthesis of new mixed aliphatic metalloorganic compounds of tin K. A. Kocheshkov, Z. M. Manulkin. Ukr. khim. zhur. 7 no 3 17-51 '63

TIN PLATING
Kinetics of the electrodeposition of tin by reversed current [with summary in English]. V. P. Kocherigin, A. N. Kruglov. Zhur. fiz. khim. 37 no. 8:1682-1688 Ag '63.

TIRES, RUBBER see subdivision under Omsk

TISSUE CULTURE
Investigation of callus formation in some tree and shrub species by tissue culture in vitro. E. A. Bychenkova. Dokl. AN SSSR 151 no. 3,732-736 Jl '63.
Solov'ev, V. D., and T. A. Beklemirov [Tissue cultures in virology] Tkanevye kul'tury v virusologii Moskva, TSentr. in-t usovershenstvovaniia vrachei, 1963 197 p
Toxoplasma growth in tissue cultures G. T. Alimshina Trudy Inst. zool. AN Kazakh. SSR 19:5-15 '63

TISSUE EXTRACTS
Effect of tissue preparations on the resistance of animals to transplanted tumors [with summary in English] M. F. Timoshechkina. Vop. onk. 9 no 2:98-100 '63

TISSUES—PRESERVATION see subdivision under Czechoslovakia

TITANIUM
Spin-lattice relaxation of a Ti^{3+} ion in corundum. N. E. Kask and others. Fiz. tver. tela 5 no. 8:2306-2309 Ag '63.
Titanocene compound with toluene. M. F. Vol'pin and others. Dokl. AN SSSR 151 no 5 1100-1103 Ag '63.
Use of titanium in the chemical machinery manufacture in Japan. B. N. Shevelkin. Khim. mashinostr. no. 1 38-41 Ja-Ag '63.

TITANIUM—ANALYSIS
Determination of low-valence titanium in fused chloride electrolytes. N. V. Ogorodnova-Zakharova. Titan i ego splavy no. 9:249-251 '63.

TITANIUM—CORROSION
Titanium corrosion in acid and salt solutions. L. V. Birlukova, L. L. Noroslavskaia. TSvet. met. 36 no. 8:66-69 Ag '63.

TITANIUM—ELECTROMETALLURGY
Efficient electric conditions in the smelting of titanium slag. E. P. Movsesov and others. Titan i ego splavy no. 9:119-122 '63.
Electrode processes in titanium refining. N. I. Anufrieva. Titan i ego splavy no. 9:236-241 '63.
Electrothermics of titanium slags. V. A. Reznichenko Titan i ego splavy no. 9:3-9 '63.
Investigating certain regularities in the reduction of iron-titanium concentrates in the solid phase V. A Ikachenko, V. M. Kozlov, N. S. Guseva. Titan i ego splavy no. 9:70-81 '63.
Making high-titanium slags of iron-titanium concentrates from coastal placers. V. A. Tkachenko, V M Kozlov, N. S. Guseva. Titan i ego splavy no. 9:86-95 '63.
Reznichenko, V. A., M. B. Rapoport, and V. A. Tkachenko. [Titanium metallurgy; investigating the electric melting of titanium slags] Metallurgiia titana; issledovanie elektroplavki titanovykh shlakov. Moskva, Izdvo Akad. nauk SSSR, 1963. 198 p.
Smelting ilmenite concentrates from various deposits for high-grade titanium slag. V. A. Mishenev and others. Titan i ego splavy no. 9:105-118 '63.
Smelting titanium in a DVP-200-500 furnace V. A Reznichenko and others. Titan i ego splavy no. 9:255-263 '63.
Studying individual problems in the technology of electrorefining titanium. N. I. Anufrieva. Titan i ego splavy no. 9:242-247 '63.
Two stage smelting of ilmenite concentrates. V. A. Reznichenko, G. V. Siriapov, V. I. Solov'ev. Titan i ego splavy no. 9:96-104 '63.

TITANIUM—METALLOGRAPHY
Effect of titanium structure on the structure of its scale. M. E. Blanter and others. Titan i ego splavy no. 9:254-269 '63.

TITANIUM—METALLURGY
Equilibrium between metallic titanium and its chlorides in molten sodium chloride. V. G Gopienko Titan i ego splavy no. 9 205-212 '63.
Formation of phosgene during the chlorination of titanium slag in electric shaft furnaces and chlorinators G. I Rezmikov and others. Titan i ego splavy no. 9:140-146 '63.
Investigations on the hydrometallurgical treatment of cathodic residues of titanium in presence of titanium-bearing salts V. S Mirochnikov, V. V Reznichenko Titan i ego splavy no. 9:252-254 '63.
Reducibility of iron-titanium, chromium-containing concentrates from placer deposits V. I Solov'ev Titan i ego splavy no. 9:82-85 '63.
Studying the kinetics and the mechanism of titanium tetrachloride reduction by sodium V. D Savin, V. V Reznichenko, Titan i ego splavy no. 9 172-185 '63.
Titanium interaction with moisture at 100 to 600° temperatures. V. S Mirochnikov, V. A Reznichenko Titan i ego splavy no. 9 186-190 '63.

TITANIUM—TESTING
Quality control of titanium sponge. I. S Galkevich, V. V Garmata Titan i ego splavy no. 9:191-195 '63
Rapid method of determining the quality of titanium sponge V. IU. Kramnik and others Titan i ego splavy no. 9:196-198 '63.

TITANIUM ALLOYS—BIBLIOGRAPHY see Bibliography—Titanium alloys

TITANIUM ALLOYS—CORROSION
Rel'son, G. M., and V. B. Zhilkin [Titanium equipment in the production of nickel] Titanovoe oborudovanie v proizvodstve nikelia (Murmansk) Murmanskoe knizh noe izd-vo 1963 124 p
Titanium equipment in the production of nickel] Titanovoe oborudovanie v proizvodstve nikelia (Murmansk) Murmanskoe knizh noe izd-vo 1963 124 p

TITANIUM ALLOYS—ELECTRIC PROPERTIES
Anomalous changes in the electrical resistance of transition class titanium alloys I. V Gusev, N. I. Ashko, I. M. Kharitonova Fiz. met. i metalloved. 16 no. 1 65-70 Jl '63

TITANIUM ALLOYS—ELECTROMETALLURGY
Obtaining titanium alloys by the electrolytic method V. T. Musienko, V. M. Orlov Titan i ego splavy no. 9:213-219 '63.

TITANIUM-ALUMINUM ALLOYS
Electrolytic separation of binary alloys in the system Ti - Al. V. S. Balikhin, V. A. Reznichenko Titan i ego splavy no. 9:230-235 '63.

TITANIUM-ALUMINUM ALLOYS—ELECTRIC PROPERTIES
Investigating the specific resistivity of alloys in the system Ti - Al at temperatures starting from room temperature up to 1200°C I. I Kornilov, V. S Mikheev, K. M Konstantinov Fiz. met. i metalloved. 16 no. 1 57-60 Jl '63

TITANIUM CATALYSTS
Catalytic effect of titanium (IV) on the reaction of oxidation of thiosulfate by hydrogen peroxide. Part 1. Effect of concentration. A. K. Babko, V. A. Litvinenko. Ukr. khim. zhur. 29 no. 6 618-623 '63.

TITANIUM CHLORIDES
Ethylene polymers obtained with the aid of mixtures of organocadmium compounds with titanium tetrachloride [with summary in English]. K. A. Kocheshkov and others. Vysokom. soed. 5 no. 6 846-849 Je '63
Redox potential of the system Ti^{2+} / Ti^{3+} in a KCl-NaCl melt. B. I. Markov, B. F. Podafa. Ukr. khim. zhur. 29 no. 6 603-604 '63.
Testing electrofilters for the purification of liquid titanium tetrachloride from solid particles in suspension S. P. Zezianov. Titan i ego splavy no. 9:147-148 '63.
Titanium and aluminum electrode potentials in fused sodium chloride. V. S. Balikhin, V. A. Reznichenko, Titan i ego splavy no. 9:220-224 '63

TITANIUM CHLORIDES—THERMODYNAMIC PROPERTIES
Isobaric potentials in the formation of titanium chloride. B. F. Markov, G. A. Tishura. Titan i ego splavy no. 9:199-204 '63.

TITANIUM COMPOUNDS
Polarographic study of the composition of the complexes predominant in solution and present in the electrode reaction in the system titanium (IV) - titanium (III) in sulfuric acid solution [with summary in English]. A. G. Stromberg, A. I. Rattushinskaia. Zhur. fiz. khim. 37 no. 8:1703-1709 Ag '63.
Preliminary report on the alkylation of bis(cyclopentadienyl)titanium dichloride is erroneous. A. N. Nesmeianov and others. Izv. AN SSSR, Ser. khim. no. 9:1699 S '63.

TITANIUM COMPOUNDS—TESTING
An iron-titanium mineral from placer deposits. A. V. Rudneva, M. S. Model', V. I. Solov'ev. Titan i ego splavy no. 9:10-15 '63.

TITANIUM FOUNDING

TITANIUM OXIDES

TITANIUM ORGANIC COMPOUNDS

Reactions of tetrahalo (tetraglycinato) titanates and silanes with trimethyl- and triphenylchlorosilanes. L. A. Arbuzov, M. A. Sinitsyna, T. I. Fridlender. Izv. AN SSSR, Ser. khim. no. 9 1672-1675 S '63.

TITANIUM OXIDES

Hydrolytic decomposition processes of titanium dioxide with interaction between titanium tetrachloride and [illegible]. S. G. Mairov, V. V. Rezvichenko. Titan i ego splavy no. 9 165-171 '63.

Interaction between titanium dioxide and sulfuric acid. V. A. Reznichenko, F. B. Khalimon, T. P. [illegible]. Titan i ego splavy no. 9 142-149 '63.

TITANIUM SULFATES

Decomposing the decomposition of sphene concentrates with sulfuric acid for the purpose of obtaining titanium sulfate solutions with a low acidity factor. I. G. Gorobets, V. G. Mairov, S. V. Fedoskina. Titan i ego splavy no. 9 158-161 '63.

TITANYL AMMONIUM SULFATE

Salting out of the titanyl and ammonium sulfates from sulfuric acid solutions containing iron. I. G. Gorobets, V. G. Mairov, S. V. Fedoskina. Titan i ego splavy no. 9 158-161 '63.

TITLES OF HONOR AND NOBILITY

Decree issued by the Presidium of the Supreme Soviet of the U.S.S.R. in connection with bestowing the honorary title of People's Artist of the U.S.S.R. upon individual workers in the Soviet fine arts. Iskusstvo 26 no. 5 [illegible] '63.

[illegible]ATION

[illegible] problems in the theory of titration. Report No. 1. [illegible] curves and the possibility of titrimetric determination [with summary in English]. E. A. Polish. Zhurnal'naia khimii no. 6 607-617 Je '63.

TMB 4

Pharmacology of pyridirealodximes [with summary in English]. F. Hauschild, W. D. Wiezorek. Uch. zap. Inst. farm. i khimiioter. AMN SSSR 3:158-165 '63.

TOBACCO

Effect of gibberellin on tobacco. V. I. Chirkovskii. Agrobiologiia no. 4 621-623 Jl-Ag '63.

TOCHISSKII, PAVEL VARFOLOMEEVICH, 1863-1918

Lisovskii, N. K. [P. V. Tochisskii, one of the organizers of the first Marxist groups in Russia] P. V. Tochisskii - odin iz organizatorov pervykh marksistskikh kruzhkov v Rossii. Moskva, Gospolitizdat, 1963. 62 p.

TOKYO—DESCRIPTION

The world's biggest city. Paul Leroy. Nov. vrem. 21 no. 35 24-27 Ag '63.

TOKYO—TRANSPORTATION

Readers' comments: The world's biggest city. My opinion on the attitude of China. Nov. vrem. 21 no. 36:17 S '63.

TOLSTOI, LEV NIKOLAEVICH, 1828-1910

L. N. Tolstoi on composition. V. Nerovnykh. Nar. obr. no. 6:32-35 Je '63.

Tolstoi, L. N. [The Cossacks. A Caucasian tale] Kazaki. Kavkazskaia povest'. Izd. podgotovila L. D. Opul'skaia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 414 p. (Litera turnye pamiatniki)

TOMATOES

(see also subdivision under Tatar A.S.S.R.)

Effect of gamma on the synthesis of carotinoids in tomatoes. L. P. Koval'skaia, K. V. Vasil'eva. Kons. i ov. prom. 18 no. 7:29-32 Jl '63.

Effect of gibberellin on the growth and development of tomato seedlings under unheated cultivation. G. I. Tarabarov, L. V. Penkov, N. P. Vinke. Dokl. TSKHA no. 62 353-364 '61.

TOMATOES—DISEASES AND PESTS

Wireworms in tomato plantations. V. M. Ekemakin. Zashch. rast. ot vred. i bol. 8 no. 5:54 My '63.

TOMATOES—FERTILIZERS AND MANURES

Conditions of mineral nutrition and the yield of tomatoes and cucumbers in the hothouses of the Marfino State Farm, Moscow Province. N. A. Smirnov. Dokl. TSKHA no. 62 353-357 '61.

TOMATOES—VARIETIES see subdivision under Ararat region

TOMSK PROVINCE—CLAY

Refractory clays of Tugan deposits. P. G. Usov, E. A. Guber. Izv. TPI 111 77-80 '61.

TOMSK PROVINCE—COAL

Brown coals in the Tugan region of Tomsk Province. I. V. Gebler, S. I. Smol'taninov. Izv. TPI 111 101-103 '61.

TOMSK PROVINCE—ORE DEPOSITS

Study of ore of the Rozhdestvenka deposits of Tomsk Province as hydrogen sulfide absorber. K. K. Stramkovskaia, A. S. Pozhitnaia. Izv. TPI 111 110-114 '61.

TOMSK PROVINCE—RUSSIAN LANGUAGE—DIALECTS

Dialectal phraseology. M. N. IAntsenetskaia. Uch. zap. TGPI 20 no. 2 44-48 '62.

Studies of phonetic changes in foreign loan words of the "akaiushchii" dialects in Siberia. S. I. Ol'govich. Uch. zap. TGPI 20 no. 2 49-61 '62.

TOMSK PROVINCE—SOILS

"Qualitative evaluation of soils and its methods" by N. F. Tiumentsev. Reviewed by A. F. Pasechnik. Pochvovedenie no. 8:107-108 Ag '63.

TOMSK PROVINCE—TURKIC LANGUAGES—DIALECTS

Structure and development of some word groups in the Tomsk-Turkic dialects. M. A. Abdrakhmanov. Uch. zap. TGPI 20 no. 2 112-126 '62.

TONSILS—DISEASES

(see also subdivision under Yevpatoriya)

Ballistocardiographic studies in chronic tonsillitis [with summary in English]. E. M. Kucherenko, O. IA. Grinshpun, A. E. Kulchenko. Vrach. delo no. 8:11-18 Ag '63.

Data on a study of the epidemiology of some forms of glandular toxoplasmosis [with summary in English]. A. E. Grigorashenko, A. G. Stankov, L. V. Chernevskaia. Vrach. delo no. 6:93-96 Je '63.

Diphtheria carriers with chronic tonsillitis. L. G. Bussel' and others. Vest. otorin. no. 1 60-64 '63.

Interrelations between chronic tonsillitis and chronic gastritis. IU. I. Fishzon-Ryss, IU. B. Gal'perin. Vest. otorin. no. 1 70-74 '63.

Recovery of a patient with lymphosal coma of the tonsils due to a compound method of treatment. IU. S. Polonskaia. Vest. otorin. no. 1 97-98 '63.

TONSILS—INNERVATION

Innervation of the palatine tonsil in man in connection with the age related characteristics of its structure. T. I. Inochentsi-Larionova. Vest. otorin. no. 1 55-60 '63.

TONSILS—SURGERY

Tonsillectomy in arthropathic psoriasis. I. F. Vovk, P. A. Testemitsanu. Zdravookhranenie 6 no. 1:57-58 Ja-F '63.

TOOL STEEL—HARDENING

Effect of heating conditions in hardening on the cutting properties of tool steels. L. A. Smol'nikov. Stan. i instr. 34 no. 7 28-33 Jl '63.

TOOTHWORT

Strange plant. T. K. Goryshina. Priroda 52 no. 8:113 Ag '63.

TOPOGRAPHICAL DRAWING

"Topographical drawing": a textbook. D. A. Larin. Geod. i kart. no. 8 69-74 Ag '63.

TOPOLOGY

Additional theorems on the weight of topological spaces. V. Golshtinskii. Dokl. AN SSSR 151 no. 5:1016-1020 Ag '63.

Approximation with connected sets in linear normed spaces. Part 2 [with summary in German]. V. N. Burov. Ukr. mat. zhur. 15 no. 2 135-144 '63.

A class of measures in a space of sequences. A. M. Kagan. Sib. mat. zhur. 4 no. 4:956-959 Jl-Ag '63.

Constructive mapping of a square onto itself, displacing each constructive point. V. P. Orevkov. Dokl. AN SSSR 152 no. 1:55-58 S '63.

Dyadic spaces. B. F. Iemov. Dokl. AN SSSR [illegible] 1024 Ap '63.

Ehrenmann's theory of jets. V. V. Vagner. Dokl. AN SSSR 152 no. 1:17-19 S '63.

On k-regular imbeddings of graphs into [illegible]. IU. A. Shashkin. Dep. v VINITI [illegible] '63.

Recursion, periodicity, and transitivity in [illegible] dynamic systems. I. P. Bronshteĭn. Dokl. AN [illegible] 151 no. 1:15-18 Jl '63.

Regular imbedding of categories. [illegible]. Mat. sbor. 61 no. 1 106-60 I Ap [illegible] '63.

Some classes of vector chains and their applications in the theory of semiordered spaces. A. L. Veksler. Dokl. AN SSSR 152 no. 1:20-23 S '63.

Systems forming quasi-exponential [illegible] of analytic functions in circular cirgles. L. M. [illegible]. Sib. mat. zhur. 4 no. 4:956-941 Jl-Ag [illegible] '63.

Weakly complete continuity of a linear mapping and its conjugate. M. M. Mel'tser. Dokl. AN SSSR [illegible] 50-51 S '63.

TORSION

Determining the coordinates of the rigidity center for various stress functions during torsion. G. [illegible] nelidze. Trudy LPI no. 226:93-102 '63.

TORTOISES, FOSSIL see subdivisions under [illegible] Asia; Tien Shan

TORTS

Direct and indirect injury. G. K. Matveev. Iz. vys. ucheb. zav. ;prav. 7 no. 2:51-58 '63.

TORZHOK—HOME AND SCHOOL

Important common cause. M. Ripinskaia, [illegible]. Sem'ia i shkola 12 no. 6 6-7 Je '63.

TOURISTS, WEST GERMAN

Herr Karweina's dead "canards." S. Rukhkovich. [illegible] komm. no. 7:97-101 Jl '63.

TOWERS, PLATE see Plate towers

TOWING

Flexible containers for the transportation of [illegible] products. V. Mironov, N. Lupichev. [illegible] no. 7:11-12 Jl '63.

TOXEMIA

Clinical aspect of late pregnancy toxemias. I. I. [illegible] Fel'd, i akush. 28 no. 2:11-14 F '63.

Reactivity characteristics of the vascular system in women during normal pregnancy and late toxicoses of pregnancy [with summary in English]. I. P. [illegible], IU. F. Zmanovskii, Z. P. Akimenova. [illegible] 60-73 Jl '63.

TOXICOLOGY—ABSTRACTS

[Pharmacology. Toxicology] Ref. zhur. : Farm. [illegible] no. 10 O '63.

TOXOPLASMA

Isolation of a Toxoplasma strain from man. [illegible] baeva. Trudy Inst. zool. AN Kazakh. SSR [illegible]

Isolation of a Toxoplasma strain from sheep. [illegible] zo, V. I. Golunova. Trudy Inst. [illegible] AN Kazakh. SSR 19:49 '63.

Isolation of Toxoplasma strains from dogs and [illegible] V. F. Novinskaia. Trudy Inst. zool. AN Kazakh. [illegible] 19:45-48 '63.

Isolation of Toxoplasma strains from residents. A. [illegible] vit, U. D. Vustina. Trudy Inst. zool. AN Kazakh. [illegible] 19:43-44 '63.

Isolation of Toxoplasma strains from swine. [illegible] kin. Trudy Inst. zool. AN Kazakh. SSR 19:[illegible] '63.

Register of Toxoplasma gondii strains isolated in the U.S.S.R. I. G. Galuzo. Trudy Inst. zool. AN Kazakh. SSR 19:38-42 '63.

Toxoplasma growth in tissue cultures. Ch. T. Abil'[illegible]. Trudy Inst. zool. AN Kazakh. SSR 19:5-16 '63.

TOXOPLASMOSIS

Data on a study of the epidemiology of some forms of glandular toxoplasmosis [with summary in English]. A. E. Grigorashenko, A. G. Stankov, L. V. Chernevskaia. Vrach. delo no. 6:93-96 Je '63.

First Conference of the Committee for the control of Toxoplasmosis. G. S. Futran. Vrach. delo no. 8:[illegible] 151 Ag '63.

Problem of laboratory methods for the diagnosis of toxoplasmosis today. D. N. Zasukhin. Trudy Inst. zool. AN Kazakh. SSR 19:31-37 '63.

Reaction with dyes in toxoplasmosis. S. G. Vasina. Trudy Inst. zool. AN Kazakh. SSR 19:16-30 '63.

TOYS—COMPETITIONS

Competition for the best toy. S. Halevska. Doshk. [illegible] 24 no. 7:48 Jl '63.

TRACE ELEMENTS

(see also subdivision under Caucasus, Northern, Krivoy Rog Basin; Mytishchi District)

Behavior of isomorphic admixtures in the course of [illegible] tallization in a multicomponent system [with summary in English]. I. D. Riabchikov. Geokhimiia no. 12:1[illegible] 1054 '62.

Chemical elements and life. A. A. Dropkov. Priroda 52 no. 8:45-52 Ag '63.

TRACE ELEMENTS (Continued)
Results of the First Meeting on the Methods for Studying Accessory Minerals in Igneous Rocks. V.S. Koptev-Dvornikov, V.V. Likhovich. Sov. geol. 6 no. 8 131-137 Ag '63.
V.I. Vernadskii and the study on the content of trace elements in soils I.A. V. Polvo Pochvovedenie no. 8 21-39 Ag '63.

TRACHEA
Variations of the development of the tracheobronchial tree. B.K. Sharov. Vest. rent. i rad. 38 no. 2:60-61 Mr-Ap '63.

TRACHEA—SURGERY
Importance of using the tracheotome in the surgical treatment of patients. M.P. Makarov, A.M. Golovanov. Sov. med. 27 no. 7:21-27 Jl '63.
Tracheostomy in the prevention and treatment of acute respiratory insufficiency following an operation on the lungs [with summary in English] D.D. Bereshadenko. Sov. med. 27 no. 7 27-31 Jl '63

TRACK ATHLETICS
(see also subdivision under Moscow)
They perform in Moscow B. Anatol'ev Uzbekistan 22 no. 8 21 Ag '63

TRACTOR INDUSTRY see subdivision under Volgograd

TRACTOR INDUSTRY—PRODUCTION STANDARDS see subdivision under Minsk

TRACTOR TRAINS—VIBRATION
Natural vibrations in the longitudinal plane of the tractor-semitrailer system. L.S. Savvushkin, V.F. Kurylev. Avt. prom. 29 no. 9, 14-15 S '63.

TRACTORS
Efficiency of the leading driving axle of the MTZ-52 tractor. M.I. Medvedev, A.A. IUshin Nauch. trudy UNIIMESKH 4:66-70 '62.
Kovrigin, V.D., G.A. Levikov, and F.P. Mokshantsev. [Tractors of capitalist countries] Traktory kapitalisticheskikh stran; spravochnik. Moskva, Mashgiz, 1963. 421 p.
Morozov, P.A. [Concise manual on the adjustment of tractors] Kratkii spravochnik po regulirovkam traktorov. Moskva, Sel'khozizdat, 1963 311 p.
Operating gear of the DT-75 tractor. V. Gorozhankin. Tekh. v sel'khoz 23 no. 5 45-48 My '63
System of homework assignments on the subject "Tractors." E. Kraevskaia. Prof.-tekh. obr. 20 no. 8:24-25 Ag '63.
Tractors are filled in the field N. Speransov Sel'. mekh no. 5:11-12 My '63

TRACTORS—ABSTRACTS
[Tractors and agricultural machinery and equipment] Ref. zhur.: Trakt i sel'khoz. mash. i orud. no. 9 S '63.

TRACTORS—COLD WEATHER OPERATION
Bolgov, I.V., IU.M. Kopylov, and N.S. Pasechnikov. [Operating tractors in winter] Ekspluatatsiia traktorov v zimnikh uslovilakh. Moskva, Biuro tekhn. informatsii, 1963. 38 p.

TRACTORS—ELECTRIC EQUIPMENT
Care of electric equipment Sel'. mekh no. 5:32-33 My '63

TRACTORS—ENGINES
Effect of the recoil of tractor motor mounts on the vibration of the engine. N.D. Dintchin. Mekh. i elek. sots. sel'khoz. 21 no. 4:44-45 '63.
Study of the accumulation of impurities in the oil of a tractor engine. A.V. Lenskii, N.S. Pasechnikov. Mekh. i elek. sots. sel'khoz. 21 no. 4:32-35 '63.

TRACTORS—ENGINES—CYLINDERS
Machining the cylinder head L. Tikhonov. Sel'. mekh. no. 5:14 My '63

TRACTORS—FUEL SYSTEMS
Calculation of the oscillatory process of fuel injection. A.A. Gol'verk, I.V. Vagner. Nauch. trudy UNIIMESKH 4:86-91 '62.
Study of the damping mechanism of the injection advance regulating automatic device. B.F. Martyniuk. Nauch. trudy UNIIMESKH 4:76-85 '62.

TRACTORS—LUBRICATION
Regulating centrifuges. Sel'. mekh. no. 5:16 My '63.

TRACTORS—MAINTENANCE AND REPAIR
(see also subdivision under Bukovina)
Advanced methods of technical maintenance, storage, and repair of the machinery and tractor fleet. Inform. biul. VDNKH no. 5:20-21 My '62.
Aids for technical maintenance. N. Strel'tsova, V. Kvit. Sel'. mekh. no. 5:32 My '63.
Effect of tractor design on the order of difficulty in their repair. M.D. Galushko, G.S. Samsonenko, B.V. Klepatskii. Nauch. trudy UNIIMESKH 4:92-96 '62.
Repairing tractors according to a year-round schedule. N. Prudkii. Tekh. v sel'khoz. 23 no. 5:59-61 My '63.

TRACTORS—PAINTING see subdivision under Altai

TRACTORS—TRANSMISSION DEVICES
Nauchno-tekhnicheskoe obshchestvo mashinostroitel'noi promyshlennosti. Tsentral'noe pravlenie. [Using stepless transmissions in tractors and agricultural machines] Primenenie bestupenchatykh peredach v traktorakh i sel'skokhoziaistvennykh mashinakh, sbornik dokladov Moskva, Mashgiz, 1963. 157 p.

TRADE UNIONS
(see also subdivision under Africa, Bulgaria, Moscow Province, Perm, Prokop'yevsk region, Siberia, Western; Slavyanskiy District, Krasnodar Territory; Uzbekistan; Vinnitsa)
In the Central Committee of the Trade Union of Prospecting Workers. A.I. Smirnov Razved. i okh. nedr 29 no. 7 63-64 Jl '63
Increased role of trade unions in the administration of government-owned enterprises. M.A. Soboleva. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Ist. KPSS no. 4: 90-107 '63
Krivoy Rog Basin geologists and prospectors are in the forefront of the builders of communism. N.A. Pas'ko Razved. i okh. nedr 29 no. 7:59-61 Jl '63.
Letters from the editor. Sov. profsoiuzy 19 no. 14:47 Jl '63.
More about the various forms of cooperation between public prosecutors and trade unions A. Fliger Sots. zakon 40 no. 7 29-31 Jl '63
New scope of trade-union work. A. Semenov. Sov. shakht. 12 no. 6:34-35 Je '63.
Our pride and honor. N. Shchekaturov. Sov. profsoiuzy 19 no. 14:6-7 Jl '63.
Participation of trade unions in the regulation of wages. S.S. Karinskii. Izv. vys. ucheb. zav. prav. 7 no. 2: 59-69 '63.
Participation of trade unions in the regulation of working conditions with the agreement of the administrations of enterprises or institutions M. Babaeva Nauch. trab. i soob. Otd. obshchestv. nauk AN U. SSR 5:301-317 '62.
Raising children is our common concern. G. Sorokina. Sov. profsoiuzy 19 no. 13:18-21 Jl '63.
Reach every man! E. Cherednichenko. Sov. profsoiuzy 19 no. 14:3-5 Jl '63.
Readers suggest, advise and criticize. Sov. profsoiuzy 19 no. 13:36-37 Jl '63.
With the collective's efforts. R. Lukachev. Sov. profsoiuzy 19 no. 13:26-27 Jl '63.

TRADE UNIONS—FINANCE see subdivision under Spask-Demensk

TRADE UNIONS—OFFICERS
(see also subdivision Karelia, Smolensk)
Notes on books. Sov. profsoiuzy 19 no. 14:46 Jl '63.
Trade-union committee of a production administration. Sov. profsoiuzy 19 no. 13:2-3 Jl '63.
Two approaches to an important matter. V. Ivanov, S. Moruchkov. Sov. profsoiuzy 19 no. 14:24-25 Jl '63.

TRADEMARKS
[Bulletin on inventions and trademarks] Biul. izobr. i tov. znak. 40 nos. 2-10 Ja-My '63.
Symbol of quality V. Orlov. Tekh. mol. 31 no. 8:27 '63

TRADES
[The CPSU on trade unions, 1956-1962] KPSS o profsoiuzakh, 1956-1962. [Moskva] Profizdat, 1963. 534 p.

TRAFFIC ACCIDENTS
(see also subdivision under Moscow)
If you have deserted someone in trouble, assume the responsibility. A. Mikhin. Za bezop. dvizh 6 no. 8:6-7 Ag '63.

TRAFFIC ACCIDENTS—CASES see subdivision under Poland

TRAFFIC ENGINEERING see subdivision under Moscow

TRAFFIC REGULATIONS
Dictated by life. Za rul. 21 no. 5:28-29 My '63.
Watch out - children! A. Bolan. Sel'. mekh. no. 5:24 My '63.

TRAFFIC REGULATIONS—STUDY AND TEACHING
Is this only a game? S. Prishchepov. Za bezop. dvizh. 6 no. 8:5 Ag '63.

TRAFFIC SAFETY
(see also subdivision under Moscow)
Let us teach children how to circulate. Za bezop. dvizh. 6 no. 8:3-4 Ag '63.

TRAINING OF EMPLOYEES see Employees, Training of

TRANS-ILI ALATAU—BEETS—DISEASES AND PESTS
Studying the fauna of beet nematodes in the piedmont zone of the Trans-Ili Ala-Tau. E.N. Kuanshaliieva. Trudy Inst. zool. AN Kazakh. SSR 19:149-151 '63.

TRANS-ILI ALATAU—MITES
Fauna of Gamasid mites (Parasitiformes, Gamasoidea) of the tamarisk gerbil in the piedmont zone of the Trans-Ili Ala-Tau. V.N. Senotrusova Trudy Inst. zool. AN Kazakh SSR 19:198-205 '63

TRANS-ILI ALATAU—NEMATODA—DISEASES OF PLANTS
Nematode fauna of onions in the piedmont zone of the Trans-Ili Ala-Tau. K.M. Nugmanova Trudy Inst. zool. AN Kazakh. SSR 19:247-248 '63
Studying the fauna of beet nematodes in the piedmont zone of the Trans-Ili Ala-Tau. E.N. Kuanshaliieva Trudy Inst. zool. AN Kazakh SSR 19:149-151 '63

TRANS-ILI ALATAU—ONIONS—DISEASES AND PESTS
Nematode fauna of onions in the piedmont zone of the Trans-Ili Ala-Tau. K.M. Nugmanova Trudy Inst. zool. AN Kazakh SSR 19:247-248 '63.

TRANS-ILI ALATAU—PARASITES—GERBILS
Fauna of Gamasid mites (Parasitiformes, Gamasoidea) of the tamarisk gerbil in the piedmont zone of the Trans-Ili Ala-Tau. V.N. Senotrusova, Trudy Inst. zool. AN Kazakh. SSR 19,198-205 '63

TRANS-ILI ALATAU—TICKS
Occurence of the tick Ixodes strumi Fil., 1957 in the Trans-Ili Ala-Tau. G.V. Ushakova, A.K. Fedorenko. Trudy Inst. zool. AN Kazakh SSR 19:240-241 '63.

TRANSBAIKALIA—FLUORITE
Association of the fluorite mineralization with intrusive formations in western Transbaikalia. A.T. Solov'ev, V.V. Chuprov Trudy VSEGEI 84:84-89 '62
Structural characteristics of ores in the Kalanguy (western Transbaikalia) fluorite deposit and their genetic significance A.T. Solov'ev Trudy VSEGEI 84:91-109 '62.

TRANSBAIKALIA—GEOLOGY
Mezhvedomstvennoe soveshchanie po metallogenii zapadnogo zabaikal'ia, 1st, Irkutsk, 1956. [Transactions of the Interdepartmental Conference on the Metallogeny of Western Transbaikalia] Trudy. Irkutsk, Akademiia nauk SSSR, 1958. 304 p.
(ICMILC)

TRANSBAIKALIA—ROCKS, IGNEOUS
Association of the fluorite mineralization with intrusive formations in western Transbaikalia. A.T. Solov'ev, V.V. Chuprov. Trudy VSEGEI 84:84-89 '62

TRANSBAIKALIA—SIDERITE CRYSTALS
Skeleton crystals of siderite V.G. Kruglova Min. syrie no. 7:182-184 '63

TRANSBAIKALIA—STEPPE FLORA
Relationship between the duration of growth and structure in the perennial steppe plants of Transbaikalia [with summary in English]. A.A. Gorshkova Bot. zhur. 48 no. 7 979-988 Jl '63.

TRANSCARPATHIA—ATHEISM—STUDY AND TEACHING
Antennae side by side with crosses. G. Popov. Komsom. zhizn' no. 15/16:54-56 Ag '63.

TRANSCARPATHIA—GEOLOGY, STRATIGRAPHIC
Stratigraphic position of the dark-colored formation in the Dusino-Polyana region of Transcarpathia. V.A. Shukin, S.I. Kantolins'kyi. Geol. zhur. 23 no. 3:107-111 '63.

TRANSCARPATHIA—MINERAL WATERS
Enigmas and discoveries. Nauka i rel. 4 no. 7:38-39 Jl '63.

TRANSCARPATHIA—SEISMOLOGY
Seismicity of Transcarpathia. S.V. Evseev. Geol. zhur. 23 no. 3:63-69 '63.

TRANSDUCERS
Investigating an inductive converter with a laminated magnetic circuit. O.A. Korzhavin. Izv. vys. ucheb. zav.; prib. 6 no. 3:16-18 '63.
Temperature compensation of e.m.f. Hall transducers. E.P. Figurnov. Izv. vys. ucheb. zav.; elektromekh 6 no. 5:605-610 '63.
Transducer for oscillographic recording of the operating processes in low-pressure hydraulic systems. K.E. Dolganov. Nauch. trudy UNIIMESKH 4:71-75 '62.

TRANSFORMATIONS (MATHEMATICS)
Differential transformations of electric sounding curves. M.N. Berdichevskii, G.A. Vedrintsev. Razved. i okh. nedr 29 no. 7:46-49 Jl '63.
Integral functions representable by generalized integral transformations. A.E. Avetisian. Sib. mat. zhur. 4 no. 4:713-722 Jl-Ag '63.
Relativistically invariant transformations in wave function space [with summary in English]. A.A. Borgardt. Zhur. eksp. i teor. fiz. 45 no. 2:116-122 Ag '63.

TRANSIENTS (DYNAMICS)
Investigating temperature fields in the rotors of marine gas turbine plants in transient conditions. L.A. Kozdoba. Sudostroenie 29 no. 5:21-23 My '63.

TRANSIENTS (ELECTRICITY)

[Study of transient processes in transistor currents and voltages] S. S. Prokhorov, I. V. Sarkisian, L. [illegible] (Trudy Leningr. elektrotekh. in-ta svyazi, no. 40, 1963, 58-67 '63.

TRANSISTOR AMPLIFIERS

Design of multiple-stage transistor video amplifiers. I. A. Shats. Radiotekhnika 18 no. 6:43-50 Je '63.

Stabilization of the elements of amplifier stages with direct coupling in transistor trunks [with summary in English on p. 96]. F. P. Tarasov. Tekh. kino i televid. 7 no. 6:37-42 Je '63.

TRANSISTOR OSCILLATORS see Oscillators, Transistor

TRANSISTOR PAPERS

[illegible] G. M. [illegible] F. Vorshin. [Reference publication] Poluprovodnikovye elektronnye [illegible] Moskva, Gos. izd-vo radio lit-ry, 1963. 15 p. (Materialy dlia radiolyubitelei, no. 173)

TRANSISTORS

[illegible] Diffusion transistor. V. V. Galitskii. Izv. [illegible] radiotekh. 6 no. 3:265-270 My-Je '63.

[illegible] crude. N. P. Esina, N. V. [illegible], D. [illegible]. Radiotekhnika i elektronika 8 [illegible] '63.

[illegible] of the thermal and electrical characteristics of devices with [illegible]. P. E. [illegible], R. [illegible]. Izv. [illegible] 6 no. 2:115-125 F '63.

TRANSISTORS—PATENTS

Tranzistory, poluprovodnikovye diody i stabilitrony; [illegible] [Collection of Russian and foreign patents, semiconductor triodes, diodes and stabilitrons] Sbornik otechestvennykh i zarubezhnykh izobretenii, poluprovodnikovykh priborov. Moskva, 1963. 77 p.

TRANSITION METAL COMPOUNDS—SPECTRA

Ligand-field theory. Norman S. Ham. Usp. khim. 32 no. 8:1010-1023 Ag '63.

TRANSITION METALS

[illegible] surface energy in transition metals. S. Z. Bokshtein, [illegible]. Fiz. met. i metallov. [illegible] 16 no. 1:[illegible] '63.

TRANSLITERATION

[illegible] of the transliteration of geographic names on topographic maps of Yakutia. G. V. Voino. Geod. i kart. [illegible] 6:26-34 Je '63.

TRANSPORTATION

(see also subdivision under Africa, Tokyo)

Single technological process in harbor and station operations. A. Shiriae. Rech. transp. 22 no. 6:11-12 Je '63.

TRANSPORTATION—ABSTRACTS

[Container shipments and the interaction of various types of transportation] Ref. zhur.: Vzaimodeis. raz. vid. transp. i kont. perev. no. 9. O '63.

TRANSPORTATION, AUTOMOTIVE

(see also subdivision under Rostov-on-Don)

Bitushchev, I. I. [Loading and unloading operations in automotive transportation] Pogruzochno-razgruzochnye raboty na avtomobil'nom transporte. Moskva, Avtotransizdat, 1963. 215 p.

Powerful potential. B. Romanov. Za rul. 21 no. 5:5-6 My '63.

Utilizing mathematical methods in the operational planning of the work of automotive transportation. D. Belov, V. Bobarykin. Vop. ekon. no. 8:110-116 Ag '63.

TRANSPORTATION, AUTOMOTIVE—ABSTRACTS

[Automotive and city transportation] Ref. zhur. Avt. i gor. transp. no. 9. S '63.

TRANSPORTATION, AUTOMOTIVE—LAWS AND REGULATIONS

Legal regulation of automotive transportation. V. IAzev. Sov. iust. no. 14:11-12 Jl '63.

TRANSPORTER BRIDGES

New method of determining corrections for bends in the metal construction of transporter bridges. A. I. Gorlunov and others. Izv. vys. ucheb. zav., gor. zhur. 6 no. 7:87-90 '63.

TRANSURANIUM ELEMENTS

Primary transuranium isotope in nature [with summary in English]. V. V. Cherdyntsev, V. F. Mikhailov. Geokhimiia no. 1:3-14 Ja '63.

TRAUMATISM

Korzh, A. A. [Heterotopic traumatic ossifications] Geterotopicheskie travmaticheskie ossifikatsii. [Moskva] Medgiz, 1963. 267 p. (DNLM)

Organization of hospitalization for persons suffering from injuries inflicted while under the influence of alcohol. V. IA. Mikheikin. Sov. zdrav. 22 no. 6:34-36 '63.

TRAVEL COSTS

Travelling allowances for business trips. Uchet i fin. v kolkhoz i sovkhoz 20 no. 8:42-43, 44 Ag '63.

TRAVERSES (SURVEYING)

Accuracy of measuring parallactic angles. V. M. Tarabanov, V. A. Shuvalov. Geod. i kart. no. 6:18-19 Je '63.

Using a DD-3 differential range finder with a vertical rod in laying out theodolite traverses. A. I. Vedernikov. Trudy NIIZHT no. 30:29-34 '62.

TRAWLS AND TRAWLING

(see also subdivision under Baltic Sea; Barents Sea; Soviet Far East)

Effect of the sea bottom on the hydrodynamic indices of the otter board. V. V. Blestkina. Ryb. khoz. 39 no. 8:44-47 '63.

Refrigerator-trawler "Tropik" ["Tropic"]. Sudostroenie 29 no. 7:1-5 Jl '63.

Some regularities in the wear of medium trawler hulls. IA. Glusker, L. Semenov. Mor. flot 23 no. 6:27-29 Je '63.

[Tales of old captains] Besedy starykh kapitanov. [Murmansk] Murmanskoe knizhnoe izd-vo, 1961. 103 p.

TREE PLANTING

(see also subdivision under Brest)

Planting pine during winter thaws. D. P. Toropogritskii. Les. khoz. 16 no. 2:43-45 F '63.

TREES see subdivision under Sochi

TREES, FOSSIL

Wood remains in salt deposits. A. A. Ivanov, N. G. Sheshukov, F. IA. Saprykin. Sov. geol. 6 no. 8:107-111 Ag '63.

TREMATODA

(see also subdivision under Alma-Ata Province)

Identity of the species Echinochasmus (Ech.) beleocephalus (Linston, 1873) and Echinochasmus (Ech.) japonicus Tanabe, 1926 [with summary in English]. V. M. Alekseev. Vest. LGU 18 no. 15:150-152 '63.

TRENCH DIGGING MACHINES

Use properly the PKNL-500 ditch excavating plow. E. A. Shchekotin. Les. khoz. 16 no. 2:63-66 F '63.

TRIALS (ESPIONAGE)

The spies were exposed and punished. B. Viktorov. Sots. zakon. 40 no. 7:86-89 Jl '63.

TRIALS (LIBEL) see subdivision under Germany, West

TRIANGULATION

Adjustment of large aerial triangulation nets. V. V. Vainauskas. Geod. i kart. no. 8:40-46 Ag '63.

Calculating the equation for inscribing a 3d-class point on a "Ural-1" computer. V. M. Sigalov. Geod. i kart. no. 6:11-12 Je '63.

Laplace azimuths and coordinate errors in long triangulation series. L. P. Pellinen. Geod. i kart. no. 8:9-12 Ag '63.

Practice in constructing a triangulation net in an iron ore area. G. N. Buglov, P. M. Shevchuk. Geod. i kart. no. 8:17-20 Ag '63.

Problem of transversal shift in triangulation. M. S. Molodenskii, V. F. Eremeev, M. I. Yurkina. Geod. i kart. no. 6:3-6 Je '63.

TRIANGULATION SIGNAL TOWERS

Checking design loads in erecting triangulation signal towers. V. IU. Min'ko, V. G. Zaprudin. Geod. i kart. no. 8:30 Ag '63.

Practice of assembling triangulation signal towers in a horizontal position. V. G. Bruskov. Geod. i kart. no. 8:31-34 Ag '63.

TRIAZENE

Effectiveness of herbicides in monoculture of corn. S. I. IAkubtsov. Zemledelie 25 no. 9:71-73 S '63.

Photocolorimetric determination of zinc in ores with the aid of 3-hydroxy-1-o-nitrophenyl-3-phenyltriazene. I. P. Khazova. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 2:218-222 '63.

TRIAZOLE

Aminotriazoles in the Mannich reaction. V. M. Brusnikina, S. S. Novikov, V. A. Rudenko. Izv. AN SSSR, Ser. khim. no. 9:1681-1683 S '63.

TRICHINA AND TRICHINOSIS see subdivision under Uzunagach region

TRICHOCEPHALIASIS

Most significant factors in the transmission of ascariasis and trichocephaliasis [with summary in English]. I. Z. Khalabuda. Vrach. delo no. 8:88-91 Ag '63.

TRICHOPHYTON

Electron microscopic investigation of [illegible] laceum. A. IA. Prakapchuk, A. I. [illegible], Smol'skii. Vestsi AN BSSR Ser. biial. [illegible] '63.

TRIETHYLAMINE

Perfluoroalkylketene and perfluoroacylketene [illegible]. Report No. 2: Comparison of α-hydrocarbon [illegible] tyric acid halides in the reaction with [illegible]. I. L. Knunyants, IU. A. Cheburkov, M. D. [illegible]. Izv. AN SSSR. Ser. khim. no. 8:1304-1312 [illegible].

TRIFONOV, PAVEL TRIFONOVICH

Pavel Trifonovich Trifonov, local historian. P. Matveev. Prep. ist. v shkole 16 no. [illegible] '63.

TRIGEMINAL NEURALGIA see Neuralgia, [illegible]

TRILOBITES

(see also subdivision under Altai Mountains)

Find of a new species of the genus Grabauella [illegible] Cambrian. L. I. Egorova. Trudy SNIIGGiMS [illegible] 158-161 '62.

TRIMELLITIC ACID

Polarographic study of the kinetics of decarboxylation of trimellitic acid anions with hydroxyl ions. [illegible] Turkian, IU. A. Vakhrushev. Zhur. fiz. khim. 1921-1923 Ag '63.

TRIPEPTIDES

Structure of polymers related to collagen. [illegible] the low-molecular fraction of polytripeptide (1-proline-1-hydroxyproline). N. V. Andreeva, [illegible] Millionova. Kristallografiia 8 no. [illegible] '63.

TRIPLE POINT—THERMODYNAMIC PROPERTIES

Some thermodynamic characteristics of [illegible]. V. V. Sychev. Inzh.-fiz. zhur. 6 no. [illegible] [illegible].

TRIPOLI (MINERAL) see subdivision under [illegible] Platform

TRITSHEL', KARL GENRIKHOVICH, 1814-1863

Physician-humanist Professor K. G. Tritshel'. S. F. Zhukovskii, A. S. Mamolat. Vrach. delo [illegible] Je '63.

TROCHODENDRON

Position of Trochodendron in the phylogenetic [illegible] angiosperms [with summary in English]. [illegible] khina. Bot. zhur. 48 no. 7:939-948 [illegible].

TROPICS—MOLLUSKS

New mollusks from tropical bodies of water [illegible] lin. Priroda 52 no. 8:116-117 Ag '63.

TROPYLIUM COMPOUNDS

Synthesis and properties of vinyltropylium [illegible]. G. A. Gladkovskii and others. Izv. AN SSSR [illegible] no. 7:1273-1277 Jl '63.

TROTSKYISM

Assemblage of traitors and renegades. [illegible] Kommunist 40 no. 14:124-126 O '63.

TROUT see subdivisions under Baikhash Lake; Crimea

TRUCK DRIVERS

Hero of socialist labor. S. Kruzhkov. [illegible] 6 no. 8:1-3 Ag '63.

TRUCK TRAILERS

Self-unloading semitrailer for grain transport. R. Muradian. Prom. Arm. 6 no. 7:46-47 [illegible].

TRUCK TRAILERS—MAINTENANCE AND REPAIR

Kibirev, B. I. [Maintenance of a motor vehicle, [illegible] tional manual for the study of the topic No. 10 "[illegible] nance of trailers"] Tekhnicheskoe obsluzhivanie [illegible] avtomobilia; uchebno-metodicheskoe posobie [illegible] niiu temy No. 10 "Tekhnicheskoe obsluzhivanie [illegible] pov." Gor'kii, Zaochnyi avtomobil'no-dorozhnyi [illegible] kum, 1963. 17 p. [MICROFILM]

TRUCK TRAILERS—SAFETY MEASURES

Danilov, P. P. [Safety manual on transporting [illegible] machinery and equipment by trailers] Posobie [illegible] tekhnike bezopasnosti pri perevozke stroitel'nykh [illegible] mekhanizmov i oborudovaniia na traileruk [illegible] perev. i dop. Moskva, Gosstroiizdat, 1964. [illegible] (Tekhnika bezopasnosti v stroitel'stve)

TRUSSES

Design of crane-bridge trusses. V. N. Denokritov. Vest. mashinostr. 43 no. 8:7-11 Ag '63.

Three-dimensional truss of precast concrete. P. [illegible] Litvinov. Transp. stroi. 13 no. 6:18-21 Je '63.

TRUSTS, INDUSTRIAL

(see also subdivision under United States)

International monopolies and economically underdeveloped countries. T. Belous. Mir. ekon. i mezhdunar. otn. no. 8:50-62 '63.

TRUSTS, INDUSTRIAL (Continued)
Monopolies in the natural rubber market [with summaries in English, French and German, pp 75-76]. Biki [Prilozh.] no 1,36-56 Ap '63

TSAISHI—MINERAL WATERS
Therapeutic properties of TSaishi mineral waters. G. P. Tuzbaia. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5,449-450 S-O '62.

TSEDENBAL, IUMZHAGIIN, 1916-
Iumzhagiin TSedenbal. V. Koldobskii. Mir. ekon. i mezhdunar. otn. no. 8:135-136 '63.

TSELINNYY KRAY see Virgin Territory

TSELINOGRAD PROVINCE—GRASSES—DISEASES AND PESTS
Literopsis (Pediculopsis) graminum A. V. Radulin. Zashch. rast. ot vred. i bol. 8 no. 7,40 Jl '63

TSELINOGRAD PROVINCE—MITES
Literopsis (Pediculopsis) graminum A. V. Radulin. Zashch. rast. ot vred. i bol. 8 no. 7 40 Jl '63

TSIMLYANSK RESERVOIR REGION—FORESTS ECOLOGY
Natural forests of the Don-Tsimlyanskaya sand massif. G. M. Zozulia. Nauch. dokl. vys. shkoly, biol. nauki no. 3:139-144 '63.

TSIOLKOVSKII, KONSTANTIN EDUARDOVICH, 1857-1935
A great scientist's views on the "problem of God." A. Erokhin. Agitator no. 12, 43-44 Je '63.

TSVIRKA, VITALII KANSTANTSINAVICH, 1913-
Bard of White Russian natural scenery. D. Kohan. Belarus' 26 no. 5:16 My '63.

TSYURUPINSK—CELLULOSE INDUSTRY
Reeds save our forests. O. Fomin. Ukraina no. 14-6 Jl '63.

TUAMOTU ISLANDS—ATOMIC WEAPONS—TESTING
Atomic storm in the "Dangerous Archipelago." Rupert Lockwood. Nov. vrem. 21 no. 34:25-27 Ag '63.

TUAPSE REGION—FLYSCH
Flysch in the Tuapse region. V. Furtes. Priroda 52 no. 6:118 Ag '63.

TUBERCULIN
Changes in the correlation of protein fractions of the blood serum under the influence of tuberculin in pulmonary tuberculosis in children [with summary in French]. L. M. Pechuk, E. M. Pekurovskii. Probl. tub. no. 6, 56-62 '62.

TUBERCULIN—TESTING
Hemo-tuberculin reactions as a manifestation of the adaptation syndrome [with summary in French]. M. A. Kleinov. Probl. tub. 41 no. 3:30-34 '63.

Significance of the intensity of the tuberculin reaction for the detection of tuberculosis [with summary in French]. E. I. Shchutskaia. Probl. tub. 41 no. 3:13-15 '63.

Skin tuberculin sensitivity in pulmonary tuberculosis during antibacterial therapy [with summary in French]. S. P. Gefter, B. M. Migdalovich, T. S. Golubeva. Probl. tub. 41 no. 3:34-37 '63.

Tuberculin sensitivity according to data from a total examination of the population [with summary in French]. E. A. Ginzburg. Probl. tub. 41 no. 3:8-13 '63.

TUBERCULOSIS
(see also subdivision under Klin; Latvia)
Ambulatory treatment of pulmonary tuberculosis patients with antibacterial preparations and artificial pneumothorax in a rural medical district [with summary in French]. A. P. Mansurov. Probl. tub. no. 8, 17-22 '62.

Causes of death in fibrous-cavernous pulmonary tuberculosis and the thanatological nature of cardiopulmonary insufficiency in this form of disease [with summary in French]. L. IA. Lozinskii. Probl. tub. 41 no. 3:64-70 '63.

Changes in the correlation of protein fractions of the blood serum under the influence of tuberculin in pulmonary tuberculosis in children [with summary in French]. L. M. Pechuk, E. M. Pekurovskii. Probl. tub. no. 8, 56-62 '62.

Changes in the electrocardiogram in pulmonary tuberculosis following pulmonectomy [with summary in French]. Z. N. Bafezina. Probl. tub. no. 9:65-71 '62.

Changes of lipoproteins and protein fractions of the blood serum in pulmonary tuberculosis. V. A. Koriakin. Probl. tub. no. 8:49-55 '62.

Cycloserine in the treatment of pulmonary tuberculosis [with summary in English]. V. V. Utkin. Terap. arkh. 35 no. 1:12-19 Ja '63.

Differential diagnosis of chronic hematogenic disseminated pulmonary tuberculosis [with summary in French]. O. N. Voskresenskii. Probl. tub. no. 8, 30-36 '62.

Dynamics of tuberculosis incidence and rate of infection in young children. V. P. Bisiarina, M. A. Kolesnikova. Probl. tub. no. 8:3-6 '62.

Efficacy of artificial pneumothorax in pulmonary tuberculosis patients under rural conditions. P. P. Pekar' and others. Probl. tub. no. 6, 71-75 '62.

Function of the adrenal cortex in simultaneous siderosilicosis and tuberculosis before and during treatment with prednisolone and antibacterial preparations [with summary in English]. A. A. Koval'chuk, V. V. Malov. Terap. arkh. 35 no. 1:19-23 Ja '63.

Graphic description of the localization of tuberculous changes in the lungs according to segments. A. M. Rabinovich, IU. L. Rapis. Probl. tub. 41 no. 3:81-82 '63.

Hormone therapy of pulmonary tuberculosis and its complications [with summary in French]. A. IA. TSigel'nik, K. I. Volkova. Probl. tub. 41 no. 3:16-21 '63.

Prednisolone in compound treatment of siderosilicotuberculosis [with summary in French]. V. V. Malov, A. A. Koval'chuk. Probl. tub. 41 no. 3:26-30 '63.

Protein fractions of the blood serum in evaluating the activity of pulmonary tuberculosis. E. V. Zhmudskaia. Probl. tub. no. 6, 42-49 '62.

Rabukhin, A. E. [Tuberculosis of the respiratory organs in adults, pathogenesis, clinical aspects, differential diagnosis, principles of treatment and prevention] Tuberkulez organov dykhaniia u vzroslykh, patogenez, klinika, differentsial'naia diagnostika, printsipy lechenia i profilaktiki. Moskva, Medgiz, 1963. 344 p. (DNLM)

Reactions of the macroorganism to the action of some antituberculotic drugs [with summary in English]. A. M. Chernukh. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3:347-357 '63.

Result of a population examination for tuberculosis [with summary in French]. I. P. Zavarskaia, E. Z. Sorkina. Probl. tub. no. 8, 12-16 '62.

Results of cycloserine treatment of pulmonary tuberculosis. V. V. Bandzaitis. Probl. tub. no. 8, 104-105 '62.

Review of G. S. Levin's book "Surgical treatment of pulmonary tuberculosis patients." I. P. Kopeiko. Probl. tub. 41 no. 3:85-86 '63.

Roentgenological characteristics of the course of pulmonary tuberculosis in elderly and senile patients in the process of antibacterial therapy [with summary in English]. B. P. IAshchenko, V. Z. Demina. Vest. rent. i rad. 38 no. 2:37-42 Mr-Ap '63.

Simultaneous bronchoscopy and bronchography under local anesthesia in pulmonary tuberculosis. IU. M. Guzeev. Probl. tub. no. 8, 105-106 '62.

Some manifestations of hyperfunction of the pituitary-adrenal system in tuberculosis patients following antibacterial therapy. N. Kh. Pletner, V. S. Libenson, G. A. Sumbatov. Probl. tub. 41 no. 3:79-80 '63.

Treatment of cardiopulmonary insufficiency [with summary in English]. László Mihóci, Géza Nyírédi. Probl. tub. no. 8:63-65 '62.

Treatment of obturating atelectasis developing in the postoperative period in pulmonary tuberculosis. A. I. Efimova, N. D. Shifman. Sov. med. 27 no. 7:114-119 Jl '63.

Treatment of pulmonary tuberculosis with cycloserine [with summary in English]. J. Kenez, E. Szaszi. Probl. tub. 41 no. 3, 36-40 '63.

Tuberculous changes in the bone marrow and leukemoid reactions [with summary in English]. E. D. Timasheva. Probl. tub. 41 no. 3 58-64 '63

Two cases of "thoracic stomach." M. Z. Kaushanskii, Kh. M. Safita. Probl. tub. no. 8:109-110 '62.

TUBERCULOSIS—PREVENTION see subdivision under Kiev

TUBERCULOSIS—PREVENTIVE INOCULATION
Instruction for conducting antituberculotic vaccination and revaccination by the intracutaneous method. Probl. tub. 41 no. 3:87-94 '63

TULA—VOCATIONAL EDUCATION
Let's regulate training. S. M. Minaev. Shkola i proizv. 7 no. 8:25-26 Ag '63.

TULA BASIN—COAL MINERS
All is near and dear to him. M. Shpitevoi. Sov. shakht. 12 no. 6:13 Je '63.

TULA PROVINCE—ECONOMIC CONDITIONS
Voskresenskii, IU. V., and V. Bochkin. [The achievement of the Tula workers during the first five-year plan, 1928-1932] Podvig tul'skikh rabochikh v gody pervoi piatiletki, 1928-1932 gg. [Tula] Tul'skoe knizhnoe izd-vo, 1962. 117 p. (NIC)

TULA PROVINCE—FORESTS AND FORESTRY
Tula Forests. I. P. Svergun. Priroda 52 no. 8:80-81 Ag '63.

TULA PROVINCE—HISTORY
Russia (1923- U.S.S.R.) Ministerstvo vnutrennikh del. Upravlenie po Tul'skoi oblasti. Arkhivnyi otdel. [Consolidation of the Soviet regime in the Tula Government; documents and materials for the year 1918] Uprochenie Sovetskoi vlasti v Tul'skoi gubernii; sbornik dokumentov i materialov, god 1918. [Tula] Tul'skoe knizhnoe izd-vo, 1961. 437 p. (NjP)

TULA PROVINCE—STUDENT TEACHING
Teaching practice of students in boarding schools. I. I. Artiukin. Sov. pedag. 27 no. 6:104-109 Je '63.

TULIPS see subdivision under Kirghizistan

TUMORS
Three cases of the removal of large benign tumors [with summary in English]. V. I. Mishura. Vop. onk. 9 no. 2:103-106 '63

TUMORS—TRANSPLANTATION
Effect of tissue preparations on the resistance of animals to transplanted tumors [with summary in English]. M. P. Timoshechkina. Vop. onk. 9 no. 2:98-100 '63.

Some conditions of transplantability and growth of human glial brain tumors into the anterior chamber of the rabbit eye [with summary in English]. L. IA. IAblonovskaia. Vop. onk. 8 no. 2:92-97 '63

TUNDRAS
Forest tundra and causes of the woodlessness of tundras, in connection with two articles by V. V. Kuchkov. B. P. Nor'in. Bot. zhur. 48 no. 7 1060-1061 Jl '63

TUNGSTEN
Desorption of potassium from tungsten in an electric field. A. G. Naumovets. Fiz. tver. tela 5 no. 8:2294-2302 Ag '63.

TUNGSTEN COMPOUNDS
Nuclear magnetic resonance method used in studying the state of hydrogen in aquapoly compounds of tungsten. Vikt. I. Spitsyn, V. F. Chuvaev, V. IA. Kabanov. Dokl. AN SSSR 152 no. 1:153-155 S '63.

Spectrophotometric study of the reduction of sexivalent tungsten. E. F. Speranskaia. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2, 195-200 '63.

TUNGSTEN CRYSTALS—GALVANOMAGNETIC PROPERTIES
Fermi surface of tungsten [with summary in English]. N. V. Vol'kenshtein, V. N. Kachinskii, L. S. Starostina. Zhur. eksp. i teor. fiz. 45 no. 2:419-425 Ag '63

TUNGSTEN ORES
Tungsten deposits as a new source of tantalum. A. M. Bybochkin and others. Razved. i okh. nedr 29 no. 7, 10-12 Jl '63.

TUNGUSES
Evenki ancient geographical concepts and map drawings. G. M. Vasilevich. Izv. Vses. geog. ob-va 95 no. 4:306-310 Jl-Ag '63.

TUNGUSKA VALLEY, PODKAMENNAYA see Podkamennaya Tunguska Valley

TUNNEL DIODES
Method for measuring the negative impedance of tunnel diodes. I. L. Shagurin. Izv. vys. ucheb. zav., radiotekh. 6 no. 3:283-286 My-Je '63.

Tunnel diodes with regulated reactance. V. V. Kukushkin. Radiotekh. i elektron. 8 no. 9:1643-1645 S '63.

TUNNEL LINING
Making the concrete lining of tunnels. V. V. Volkov. Transp. stroi. 13 no. 7 71-73 Jl '63.

TUNNELING
(see also subdivision under Nova River)
Building shallow underpass tunnels under railroad lines. N. F. Karasev. Transp. stroi. 13 no. 7 16-18 Jl '63.

TUNNELS
(see also subdivision under Yugoslavia)
Experiments in strengthening a tunnel with a cement gun. E. S. Shorshtein. Transp. stroi. 13 no. 6:29-31 Je '63.

Grishaev, V. I. [Railroad tunnels] Zheleznodorozhnye tonneli. Moskva, Transzheldorizdat, 1963. 382 p.

Lining the Mana and Kaspa tunnels on the Abakan-T'aishet railroad line. IA. I. Marennyi. Transp. stroi. 13 no. 6, 33-37 Je '63.

TURBIDITY
Application of turbidimetric titration for determining the molecular weight distribution of polystyrene and α-methylstyrene [with summary in English]. N. A. Pravikova, L. G. Riabov, IU. P. Vyrskii. Vysokom. soed. 5 no. 8: 1165-1170 Ag '63.

Characteristics of turbidity indicators during physical titration with water. S. I. Spiridonova, E. K. Nikitin. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2:343-344 '63.

Turbidimetric determination of small amounts of strontium [with summary in English]. IU. M. Rogozin. Zhur. anal. khim. 18 no. 6 777-779 Je '63.

TURBIN, NIKOLAI VASIL'EVICH, 1912-
Nikolai Vasil'evich Turbin; on his 50th birthday. P. F. Rokytskyi, V. E. Bormotov. Vestsi AN BSSR. Ser. biial. nav. no. 1:120-121 '63.

TURBINES see subdivision under Kharkov

TURBINES—MEASUREMENT

TURBOGENERATORS

TURBOGENERATORS—VIBRATION

TURBULENCE

Relative speed of solid particles in a turbulent flow. E. I. Shchukin. Izv. AN Arm. SSR. Ser. tekh. nauk 16, no. 2, 33-37 '63.

TURGAY GATES—GEOLOGY, STRUCTURAL

Basic characteristics of the tectonics and oil potential of the basement in the northern part of the Turgay trough. O. G. Zhero. Trud. SNIIGGIMS no. 27, 25-31 '62.

TURGAY GATES—PALEOBOTANY, STRATIGRAPHIC

[illegible] Jurassic flora of the Mikh-t deposits (Turgay trough). P. P. Shilin. Mat. po istorii flory i rastitel'nosti Kazakhstana, 4, 142-161 '62.

TURGAY GATES—PETROLEUM GEOLOGY

Basic characteristics of the tectonics and oil potential of the basement in the northern part of the Turgay trough. O. G. Zhero. Trud. SNIIGGIMS no. 27, 25-31 '62.

Outlook for finding oil in the northern part of the Turgay trough. K. P. Dradnik, V. F. Nikonov, M. V. Murzin. Trud. SNIIGGIMS no. 27, 51-62 '62.

TURGAY TABLELAND—CESTODA

[illegible] of intermediate hosts of the Turgay lakes. A. P. Markov. Trudy In-ta zool. AN Kazakh. SSR 19, 101-111 '63.

TURGAY TABLELAND—PARASITES—WATER BIRDS

[illegible] of helminths in birds in the Turgay lakes. A. P. Markov. Trudy In-ta zool. AN Kazakh. SSR 19, 101-111 '63.

TURGENEV, IVAN SERGEEVICH, 1818-1883

"Fathers and Sons." IU. D. Levin. V mire knig 3, no. 8, 35-36 '63.

Importance of propagandist of Russian literature. I. Zlotnikov. V mire knig, 3, no. 8, 44 Ag '63.

Portrayal of nature in the works of I. S. Turgenev. T. F. Kuznetsova. Uch. zap. MGPI no. 195, 171-185 '62.

TURKESTAN—COMMUNIST PARTY OF THE SOVIET UNION

History of Mohammedan Communist organizations in Turkestan in 1919 and 1920. U. Kasymov. Nauch. trud. TashGU no. 207, 3-29 '62.

Turkestan workers who joined the party in the year of V. I. Lenin's death and their role in the consolidation of the Communist Party of Turkestan. M. P. Novikov. Nauch. trud. TashGU no. 207, 47-63 '62.

TURKESTAN—HISTORY

Bartol'd, V. V. [Works] Sochineniia. Moskva, Izd-vo Vostochnoi lit-ry.

Vol. 1. [Turkestan under the sway of the Mongols] Turkestan v epokhu mongol'skogo nashestviia. 1963. 759 p.

TURKESTAN—RELATIONS (GENERAL) WITH CENTRAL ASIA

Facts on the history of the economic and cultural relations between Turkestan and the adjacent countries of the East after the conquest of Central Asia with Russia. A. Shagdarova. Nauch. izd. i geob. Otd. obshchestv. nauk AN Uz. SSR. 5, 237-244 '62.

TURKESTAN—REVOLUTION, 1917-1921

"Izvestiia Vostok," the propaganda and instruction train of the All-Union Central Executive Committee of the R. S. F. S. R. and the Central Committee of the Russian Communist Party (Bolsheviki) in Turkestan. V. Verlan-shir. Nauch. izd. i geob. Otd. obshchestv. nauk AN Uz. SSR. 5, 177-190 '62.

TURKEY—ECONOMIC CONDITIONS

Special features of the development of Turkish capitalism, 1923-1960" by IU. N. Rozaliev. Reviewed by A. D. Zhelitakov, IU. A. Petrosian. Vop. ist. 38, no. 8, 142-144 Ag '63.

TURKEY—FOREIGN RELATIONS—RUSSIA

Soviet contacts with Turkey, 1920-1922. D. M. Filipenko. Ukr. ist. zhur. 6, no. 3, 77-81 My-Je '63.

"We are moved by Soviet hospitality." N. Klochkov. Izv. AN Tadzh. SSR, Ser. obshch. nauk, no. 4, 99 Ag '63.

TURKEY—HISTORY

Novichev, A. D. [History of Turkey] Istoriia Turtsii. [Leningrad] Izd-vo Leningr. univ.

Pt. 1. [The feudal period, from the 11th through the 18th century] Epokha feodalizma XI-XVIII veka. 1963. 313 p.

TURKIC LANGUAGES—DIALECTS see subdivision under Tomsk Province

TURKIC LANGUAGES—GRAMMAR, COMPARATIVE

Determinant constructions such as "turan al." E. A. Potseluevskii. Trud. Inst. iaz. AN Turk. SSR no. 1, 140-147 '62.

Unreal conditional constructions of the synthetic and analytic-synthetic type in modern literary Azerbaijani in comparison with the Turkic languages of the south-western group. N. A. Lisovskaia. Trudy Inst. iaz. AN Turk. SSR no. 4, 19-45 '62.

TURKIC MANUSCRIPTS see Manuscripts, Turkic

TURKMEN

Comparison of growth regularities in the measurable traits of Turkmen and Buryat children. N. S. Smirnova. Vop. antr., no. 12, 92-110 '62.

TURKMEN LANGUAGE—AFFIXES

Correlation of the impersonal and passive meanings of the passive voice affix "-I-" in Turkmen. E. A. Potseluevskii. Trudy Inst. iaz. AN Turk. SSR no. 1, 125-139 '62.

TURKMEN LANGUAGE—DICTIONARIES

A work of major importance. V. Reshetov. Izv. AN Turk. SSR, Ser. obshchestv. nauk, no. 3, 101 '63.

TURKMEN LANGUAGE—NUMERALS

Penzhiev, M. [Numerals in the present-day Turkmen language. Imena chislitel'nye v sovremennom turkmenskom iazyke, monografiia. Pod obshchel red. Baskakova, N. A. Red. D. Berdiev.] Chardzhou, 1962. 214 p. [In Turkmen] (MH)

TURKMEN LANGUAGE—VOICE

Correlation of the impersonal and passive meanings of the passive voice affix "-I-" in Turkmen. E. A. Potseluevskii. Trudy Inst. iaz. AN Turk. SSR no. 4, 125-139 '62.

TURKMEN LANGUAGE—WORDS

Remarks on the lexicon of Turkmen, according to written sources. Z. B. Mukhamedova. Trudy Inst. iaz. AN Turk. SSR no. 4, 163-180 '62.

Structure of disyllable and trisyllable stems of ontomatopoeic words in Turkmen. M. Khudaikuliev. Trudy Inst. iaz. AN Turk. SSR no. 4, 76-90 '62.

TURKMENISTAN—ANTIQUITIES

From the work of the Joint Southern Turkmenistan Archaeological Expedition of the Academy of Sciences of the Turkmen S. S. R. in 1962. M. E. Masson. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 3, 45-58 '63.

TURKMENISTAN—BOTANY—NOMENCLATURE

"Popular and scientific Turkmen names of plants" by V. V. Nikitin and B. B. Kerbabaev. Reviewed by F. Kh. Bakhteev. Bot. zhur. 48, no. 7, 1065 Jl '63.

TURKMENISTAN—BOTANY, ECONOMIC

First scientific conference on problems of research and use of the vegetation resources of Turkmenistan. S. I. Ivanova. Izv. AN Turk. SSR, Ser. biol. nauk no. 4, 97-98 '63.

TURKMENISTAN—CENSUS

Russia (1923- U. S. S. R.) TSentral'noe statisticheskoe upravlenie. [Results of the all-Union 1959 population census, the Turkmen S. S. R.] Itogi Vsesoiuznoi perepisi naselenia 1959 goda, Turkmenskaia SSR. Moskva, Gosstatizdat, 1963. 149 p.

[MICROFILM]

TURKMENISTAN—CHEMICAL INDUSTRIES

For the large-scale development of chemistry. B. Ovezov. Part. zhizn' no. 16, 8-13 Ag '63.

TURKMENISTAN—COMMUNIST PARTY OF THE SOVIET UNION

Statutes of the local organizations of the Russian Communist Partyin Central Asia, 1918; statutes of the Communist Party of Foreign Workers and Peasants. A. M. Matveev. Nauch. trudy TashGU no. 212, Ist. nauki no. 42, 32-46 '62.

TURKMENISTAN—COTTON GROWING

Growth and development of cotton planted in wide rows. A. Alladuryev. Izv. AN Turk. SSR, Ser. biol. nauk no. 4, 21-25 '63.

Herbicides for cotton fields. I. T. Zabaluev. Zashch. rast. ot vred. i bol. 8 no. 5, 18-19 My '63.

TURKMENISTAN—DESERTS

Agricultural evaluation of natural landforms of the [illegible] of northern Turkmenistan. Ch. Kopekov. Izv. AN Turk. SSR, Ser. biol. nauk no. 4, 16-20 '63.

TURKMENISTAN—HYBRID CORN

Effect of the density of plants on the growth and development of hybrid corn in southern Turkmenistan. [illegible] zov. Izv. AN Turk. SSR, Ser. biol. nauk no. [illegible]

TURKMENISTAN—LABOR AND LABORING CLASS EDUCATION

State labor reserves of the Turkmen S. S. R. in the [illegible] S. Ashirov. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 3, 20-29 '63.

TURKMENISTAN—PARASITES—CTENOPHARYNGODON

Control of bothriocephaliasis in Ctenopharyngodon [illegible] B. Babaev, A. I. Shcherbakova. Izv. AN Turk. SSR, Ser. biol. nauk no. 4, 86-87 '63.

TURKMENISTAN—PARASITES—WILD BOAR

Parasites of wild boar in Turkmenistan. V. V. Efimov, N. Ishadov, L. B. Kibukina. Izv. AN Turk. SSR, Ser. biol. nauk no. 1, 90-92 '63.

TURKMENISTAN—PIONEERS (COMMUNIST PARTY)

Sociopolitical work of the Pioneers during the [illegible] the formation and development of the children's communist movement in Turkmenistan. I. I. Lobova. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 2, 14-16 '63.

TURKMENISTAN—RECLAMATION OF LAND

Agricultural evaluation of natural landforms of the [illegible] of northern Turkmenistan. Ch. Kopekov. Izv. AN Turk. SSR, Ser. biol. nauk no. 4, 16-20 '63.

TURKMENISTAN—SALINE AND ALKALI SOILS

Improvement of saline soils. I. S. Rabochev, I. P. Ivanpeznikov. Izv. AN Turk. SSR, Ser. biol. nauk no. 4, 3-8 '63.

TURKMENISTAN—SAND

Effect of underground water on sand movement (in the Turkmenistan). S. Baitmanov. Izv. AN Turk. SSR, Ser. biol. nauk no. 4, 76-77 '63.

TURKMENISTAN—SCALE INSECTS

New genus of scale insects Pulphyrophora of the family Margarodidae in Turkmenistan. A. A. Merkulova. Izv. AN Turk. SSR, Ser. biol. nauk no. 4, 87-88 '63.

TURKMENISTAN—SEISMIC PROSPECTING

Methodology and results of seismic studies conducted by the correlation refracted wave method with [illegible] point profiling in western Turkmenia. S. G. [illegible] Sh. Babenitsian. Prikl. geofiz. no. 36, 80-86 '63.

TURKMENISTAN—TAPEWORMS

Control of bothriocephaliasis in Ctenopharyngodon [illegible] B. Babaev, A. I. Shcherbakova. Izv. AN Turk. SSR, Ser. biol. nauk no. 4, 86-87 '63.

TURKMENISTAN—VETCH

Cultivation of hairy vetch in northern Turkmenistan. O. Arlykov. Izv. AN Turk. SSR, Ser. biol. nauk no. 4, 85 '63.

TURKMENISTAN—WATER, UNDERGROUND

Effect of underground water on sand movement (in the Turkmenistan). S. Baitmanov. Izv. AN Turk. SSR, Ser. biol. nauk no. 4, 76-77 '63.

TURKMENISTAN—WEED CONTROL

Herbicides for cotton fields. I. T. Zabaluev. Zashch. rast. ot vred. i bol. 8 no. 5, 18-19 My '63.

TURKMENISTAN—WORMS, INTESTINAL AND PARASITIC

Parasites of wild boar in Turkmenistan. V. V. Efimov, N. Ishadov, L. B. Kibukina. Izv. AN Turk. SSR, Ser. biol. nauk no. 4, 90-92 '63.

TURNING

Bugrimenko, I. F. [Determining cutting conditions for machining on lathes] Opredelenie rezhimov rezaniia dlia raboty na tokarnykh stankakh. Moskva, Mashgiz, 1963. 166 p.

Errors in the shape of parts machined on lathes with radial feed. M. A. Luzhnikovskaia. Izv. vyz. mekh. zav.; prib. 6 no. 3, 140-160 '63.

Increasing the productivity of machining parts on automatic lathes. V. G. Doinego. Priborostroenie no. 20-23 S '63.

Pizhurin, A. A. [Principles underlying the process of wood turning] Osnovy protsessa tochenia drevesiny. Moskva, Goslesbumizdat, 1963. 115 p.

TURNING—TECHNOLOGICAL INNOVATIONS

Man outstripping time. N. Sofronova. Mashinostroitel' no. 7, 8 Jl '63.

TURPENTINING

Sinelobov, M. A. [Methods for the turpentining of spruce] Metody podsochki eli; lektsiia 4-ia. Leningrad, Goslesbumizdat, 1960. 42 p.

[DNAL, MICROFILM]

TUVA A.S.S.R.—METASOMATISM

Alkali pneumatolytic-hydrothermal metasomatism in syenites of eastern Tuva. E. A. Petrova. Min. syr'e no. 7:117-157 '61.

TUVA A.S.S.R.—PLANTS—OPTICAL PROPERTIES

Spectrophotometric study of vegetation in Tuva. N. G. Kharin. Trudy Inst. lesa i drev. 66:29-42 '63.

TUVA A.S.S.R.—SYENITE

Alkali pneumatolytic-hydrothermal metasomatism in syenites of eastern Tuva. E. A. Petrova. Min. syr'e no. 7:147-157 '61.

TWILIGHT

Physical nature of twilight colors. A. D. Zamorskii. Trudy TSIP no. 122:56-68 '63.

Rozenberg, G. V. [Twilight] Sumerki. Moskva, Fizmatgiz, 1963. 380 p.

2,4-D

Using 2,4-D together with fertilizers. N. IA. Nekrasov. Zemledelie 25 no. 9:56 S '63.

TWO BODIES, PROBLEM OF see Problem of two bodies

TYMPANAL ORGAN—SURGERY

Analysis of the causes of failure in tympanoplasty in chronic purulent otitis media. K. P. Markova. Vest. otorin. no. 1:31-34 '63.

TYPHOID FEVER

Review of K. V. Bunin's book "Immunity and rational antibiotic immunotherapy in typhoid fever and dysentery." A. D. Ado, V. E. Romik. Kaz. med. zhur. no. 3:111-112 My-Je '63.

Treatment of typhoid fever with antibiotics using a differentiated method. V. G. Dubovskii. Kaz. med. zhur. no. 3:43-45 My-Je '63.

TYUMEN' PROVINCE—FORAMINIFERA, FOSSIL

Trochammina polymera zone in Valanginian sediments of the northwestern part of the Ural Mountain portion of Tyumen' Province. N. F. Dubrovskaia. Trudy SNIIGGIMS no. 23:68-73 '62.

TYUMEN' PROVINCE—SEISMIC PROSPECTING

Features of recording transverse waves in swamps. I. I. Bobrevnik, A. IA. Ishchenko. Trudy Inst. geol. i geofiz., Sib. otd. AN SSSR no. 16:135-139 '62.

UBINKA VALLEY—GEOLOGY, STRATIGRAPHIC

Lower Cretaceous sediments in the Ubinka Valley (northwestern Caucasus). V. L. Egoian. Trudy KF VNII no. 1:72-94 '59.

UDDER—DISEASES

Latent (subclinical) mastitis in cows and its control. V. I. Mutovin. Trudy VNIIVS 11:69-73 '59.

UDMURT A.S.S.R.—LUMBERING

Tatarinov, V. P., and N. I. Lysenkov. [Working felling areas with the preservation of young growth and young stands in the logging camps of Udmurtia] Razrabotka lesosek s sokhraneniem podrosta i molodniaka v lesopromkhozakh Udmurtii. Moskva, TSentr. in-t tekhn. informatsii i ekon. issledovaniia po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963. 26 p. (Lesosekspluatatsiia)

[DNAL MICROFILM]

UFA—PETROLEUM WORKERS

On the start, athletes! A. Laletin. Sov. profsoiuzy 19 no. 14:35-36 Jl '63.

UFA—SPORTS—ORGANIZATION AND ADMINISTRATION

On the start, athletes! A. Laletin. Sov. profsoiuzy 19 no. 14:35-36 Jl '63.

UKRAINE—AERONAUTICS IN AGRICULTURE

Aeronautics in plant protection. M. G. Kuznetsov, V. T. Onolchenko. Zashch. rast. ot vred. i bol. 8 no. 5:9-11 My '63.

UKRAINE—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

Plants for repairing by replacing parts. V. Fedan. Tekh. v sel'khoz. 23 no. 5:93 My '63.

UKRAINE—AGRICULTURAL RESEARCH

In the Ministry of Agriculture of the Ukrainian S.S.R. S. Gritsenko. Vest. sel'khoz. nauki 8 no. 4:155-156 Ap '63.

UKRAINE—AGRICULTURAL WAGES

Application of the new wage system on state farms: Proved by life. A. Gordeev. Sots. trud 8 no. 6:35-40 Je '63.

UKRAINE—AGRICULTURE—LABOR PRODUCTIVITY

Ostroverkh, N. F. [Ways for increasing agricultural labor productivity, based on the materials on the collective farms of the Ukrainian S.S.R.] Puti povysheniia proizvoditel'nosti sel'skokhoziaistvennogo truda; na materialakh kolkhozov Ukrainskoi SSR. Kiev, Izd-vo AN USSR, 1963. 239 p.

UKRAINE—CAPITAL

Utilize capital assets to better advantage. A. Kichaev. Fin. SSSR 37 no. 8:43-46 Ag '63.

UKRAINE—CARROTS

Weed control in carrot fields. B. Beliak, I. Dalim. Tekh. v sel'khoz. 23 no. 5:21 My '63.

UKRAINE—CHERRY—DISEASES AND PESTS

The cherry slug Caliroa limacina. A. D. Fedorenko. Zashch. rast. ot vred. i bol. 8 no. 5:55 My '63.

UKRAINE—COAL MINES AND MINING—TECHNOLOGICAL INNOVATIONS

Economic efficiency of the comprehensive mechanization and automation of coal mines. V. Medvedev. Ekon. Rad. Ukr. no. 1:32-36 Jl-Ag '63.

UKRAINE—COKE INDUSTRY

Analyzing some technical and economic indices of the work of the coke and coal chemical industry in the Ukrainian S.S.R. V. A. Leites, I. F. Lozanov. Koks i khim. no. 8:52-56 '63.

UKRAINE—COLLECTIVE FARMS

The institute strengthens its ties with agricultural production. O. Kiysal'nyi, V. Taranenko. Ekon. Rad. Ukr. no. 4:122-123 Jl-Ag '63.

UKRAINE—COLLECTIVE FARMS—FINANCE

Reducing costs and improving the profitableness of production are the most important conditions for the economic development of collective farms. IU. Sholomit. Ekon. Rad. Ukr. no. 1:54-58 Jl-Ag '63.

UKRAINE—COLLECTIVE FARMS—MANAGEMENT

Optimum size of sheep farms and sections. F. Poznokhirin. Ekon. Rad. Ukr. no. 1:59-64 Jl-Ag '63.

UKRAINE—COMMERCE

Ukraine. Statisticheskoe upravlenie. [Soviet trade in the Ukrainian S.S.R., statistical abstracts] Radians'ka torhivlia v Ukrains'kii RSR, statystychnyi zbirnyk. Kyiv, Derzhstat, vyd-vo, 1963. 310 p.

UKRAINE—COMMUNIST PARTY OF THE SOVIET UNION

"The Communist Party as inspirer and organizer of the initiative of the Ukrainian people in the establishment of the U.S.S.R." M. I. Kulichenko. Ukr. ist. zhur. 6 no. 3:131-137 My-Je '63.

UKRAINE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Ideological work of the rural party organizations of the Ukrainian S.S.R., 1953-1956. I. P. Kozhukalo. Ukr. ist. zhur. 6 no. 3:61-66 My-Je '63.

UKRAINE—CORN (MAIZE)

Effect of meteorological factors on the optimum moisture supply of corn fields in the Ukraine. E. S. Ulanova, TSao In [Tsao In]. Trudy TSIP no. 131:13-20 '63.

Recent developments in the technology of corn growing [with summaries in English, German, and French]. V. M. Liakh, S. G. Pivovar. Vest. sel'khoz. nauki 8 no. 4:85-88 Ap '63.

UKRAINE—DISABILITY EVALUATION

Morbidity with temporary loss of work capacity in industry in the Ukraine and ways for its reduction. M. IA. Supomtskii, N. V. Kuchei. Vrach. delo no. 8:97-101 Ag '63.

UKRAINE—DRAINAGE—ELECTROMECHANICAL ANALOGIES

Calculating subsurface drainage by the electric modeling method. V. P. Kubyshkin. Visnyk sil'hosp. nauky 6 no. 8:76-85 Ag '63.

UKRAINE—DWARF FRUIT TREES

Scientists on the development of fruit culture based on the use of dwarf stocks. K. O. Vinnyts'kyi. Visnyk sil'hosp. nauky 6 no. 8:120-123 Ag '63.

UKRAINE—ECONOMIC CONDITIONS

"Chronicle of the building of communism; historical events in the Ukraine, 1960-1961." S. K. Hutians'kyi, F. S. Pavlov. Ukr. ist. zhur. 6 no. 3:130-132 My-Je '63.

UKRAINE—ECONOMIC POLICY—CONGRESSES

Improving the scientific standards of national economic planning. I. Ishchenko, L. Nasushnyi. Ekon. Rad. Ukr. no. 4:125-128 Jl-Ag '63.

UKRAINE—ECONOMIC RESEARCH

In the branch of the academic institute staffed with volunteers. M. Bulash. Vop. ekon. no. 9:156-157 S '63.

In the Institute of Economic Research attached to the State Planning Committee of the Ukrainian S.S.R. K. Prymak. Ekon. Rad. Ukr. no. 4:123-125 Jl-Ag '63.

UKRAINE—ECONOMICS—CONGRESSES

Economic research on developing the productive forces of the Ukrainian S.S.R. I. Ishchenko. Vop. ekon. no. 9:147-149 S '63.

Republic-wide conference of economists. Plan. khoz. 40 no. 8:95-96 Ag '63.

UKRAINE—EDUCATION

In the Ministry of Education of the Ukrainian People's Republic. Rad. shk. 42 no. 7:107-111 Jl '63.

In the Ministry of Education of the Ukrainian S.S.R. Rad. shk. 42 no. 8:108-112 Ag '63.

Let's disseminate the resolutions of the plenum of the Central Committee of the CPSU into school life. A. H. Bondar. Rad. shk. 42 no. 8:3-10 Ag '63.

UKRAINE—EDUCATION—CONGRESSES

Second Congress of the Republic-wide Scientific and Pedagogical Association. V. Beketova. Rad. shk. 42 no. 7:111-112 Jl '63.

UKRAINE—EDUCATION—PERIODICALS

Meeting with our readers in Ivano-Frankovo. Rad. shk. 42 no. 7:119, 3 of cover Jl '63.

UKRAINE—EDUCATION, COOPERATIVE

Let's provide cooperative education with a firm base and efficient organization. O. M. Rosiko. Rad. shk. 42 no. 8:74-79 Ag '63.

UKRAINE—EDUCATION, PRESCHOOL

Methodological aid for collective farm preschool institutions. H. Savel'eva. Doshk. vykh. 24 no. 8:34-35 S '63.

Preschool institutions should have the continuous attention of the community. Doshk. vykh. 24 no. 7:1-6 Jl '63.

To work with new energies! Doshk. vykh. 24 no. 6:1-3 S '63.

UKRAINE—EDUCATION, PRESCHOOL—TEACHER TRAINING

Seminar and practical training for the workers of preschool institutions. N. Mukhova. Doshk. vykh. 24 no. 9:46-47 S '63.

UKRAINE—EVENING AND CONTINUATION SCHOOLS

Efficient form of adult education. O. D. Hospodarchuk, K. H. Kapshukov. Rad. shk. 42 no. 7:92-94 Jl '63.

UKRAINE—FARM MECHANIZATION

Main trends and the characteristics of technological progress in agriculture. A. Rulichenko. Ekon. Rad. Ukr. no. 4:13-19 Jl-Ag '63.

UKRAINE—FERTILIZERS AND MANURES

Effectiveness of single and multiple placement of mineral fertilizers in soils [with summary in English]. P. A. Dmitrenko, A. P. Didychenko. Pochvovedenie no. 8:78-82 Ag '63.

Efficient use of fertilizers in the Ukraine. A. G. Shvets. Zemledelie 25 no. 7:87-90 Jl '63.

UKRAINE—FISHERIES

At the break of dawn. Ukr. mor. no. 1:9 Jl '63.

UKRAINE—FORAMINIFERA, FOSSIL

Kaptarenko-Chernousova, O. K., and others. [Atlas of characteristic foraminifers of the Jurassic, Cretaceous, and Paleogene in the platform part of the Ukraine] Atlas kharakternykh foraminifer iury, mela i paleogena platformennoi chasti Ukrainy. Kiev, Izd-vo Akad. nauk USSR, 1963. 290 p. (Akademiia nauk URSR. Instytut geologichnykh nauk. Trudy. Seriia stratigrafii i paleontologii, no. 45)

UKRAINE—FOREST INSECTS—EXTERMINATION

Low-volume aerial spraying in controlling forest pests in the Ukraine. D. F. Rudnev. Les khoz. 16 no. 5:45-49 My '63.

UKRAINE—FOREST NURSERIES—FERTILIZERS AND MANURES

Experiments in the use of "USKhA nitrophoska" fertilizer in growing forest tree seedlings. IA. P. Mezhennyi, O. M. Orlov, IU. IU. Kercha. Visnyk sil'hosp. nauky 6 no. 8:74-75 Ag '63.

UKRAINE—FROST PROTECTION

Methods for protecting against winterkilling the first and second generations of spring crops transformed into winter crops [with summaries in English, German, and French]. V. F. Khitrinskii. Vest. sel'khoz. nauki 8 no. 4:128-134 Ap '63.

UKRAINE—GAS, NATURAL—BIBLIOGRAPHY

Kovalenko, K. O., and A. D. Ul'ianova. [Natural fuel gases of the Ukrainian S.S.R. and their uses; bibliographic index for 1917-1961] Pryrodni horiuchi gazy Ukrains'koi RSR ta ikh vykorystannia (1917-1961 rr.); bibliograficheny pokazchchuk. Za red. I. M. Karpa. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 287 p.

UKRAINE—GAS INDUSTRY

Hnyp, P. I. [Development of gasification in the Ukraine] Rozvytok gazyfikatsii Ukrainy; istoryko-tekhnichnyi narys. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 178 p.

UKRAINE—GRAIN

Methods for protecting against winterkilling the first and second generations of spring crops transformed into winter crops [with summaries in English, German, and French]. V. F. Khitrinskii. Vest. sel'khoz. nauki 8 no. 4:128-134 Ap '63.

UKRAINE—GRAIN—HARVESTING

Harvesting lodged grain at increased speeds. I. D. Okorokov, S. N. Perstnev, V. I. Rudiak. Zemledelie 25 no. 6:55-56 Jl '63.

UKRAINE—GYNECOLOGY

[illegible] problems in the surgical and gynecological [illegible] Ukraine. M. S. Bakshiev [illegible] P. I. Zabrodin. Vrach. delo no. 2 33-38 F '63.

UKRAINE—HANDICRAFT

[illegible] Ukrainian circus, the 15th-[illegible] century. D. I. Mysak. Ukr. ist. [illegible] 147-52 My-Je '63.

UKRAINE—HARVESTING

[illegible] Ivan Tsyn'ko zlevi. Mekhan. sil'hosp. [illegible] 11 N '63.

UKRAINE—HEMP—FERTILIZERS AND MANURES

Use of supplementary fertilizers for hemp. M. D. Kharin. Visnyk sil'hosp. nauky 6 no. 8 57-58 Ag '63.

UKRAINE—HISTORICAL RESEARCH

[illegible] of historical institutions. I. Z. Morozov. Ukr. [illegible] 153-159 My-Je '63.

[illegible] of the Institute of History of the Ukrainian S. S. R. [illegible]. I. H. Lukinenko. Ukr. ist. zhur. [illegible] 3 173-174 My-Je '63.

UKRAINE—HISTORY

"Chronicle of building of communism, historical [illegible] Ukraine, 1959-1961." S. K. Hutlians'kyi. Ist. Perlov. Ukr. ist. zhur. 6 no. 3 130-132 My-Je '63.

Shcherbak, A. N. [During the years of the increasing importance of war, 1929-1940] V roky zrostannia voiennoi nebezpeky, 1929-1940. Kyiv, Derzhpolitvydav URSR, 1963. 52 p. (Ukraina na mizhnarodnii areni)

UKRAINE—HOPS—STORAGE

Effect of some chemical substances on the keeping quality of hop cones. V. P. Prochaiev. Visnyk sil'hosp. nauky 6 no. 8 59-61 Ag '63.

UKRAINE—HUMANISM

Golubichev-Kuturov, I. N. [Humanism of the Eastern Slavs (Ukraine and White Russia)] Gumanizm u vostochnykh slavian (Ukraina i Belorussiia). Moskva, Izd-vo Akad. nauk SSSR, 1963. 92 p. (Doklady sovetskoi delegatsii V Mezhdunarodnyi s"ezd slavistov) [With summary in French]

UKRAINE—HYPHOMYCETES

Distribution of dark-colored Hyphomycetes in the rhizosphere of corn in steppe and forest-steppe areas of the Ukrainian S. S. R. [with summary in English]. N. M. Zhdanova. Mikrobiol. zhur. 25 no. 4 28-34 '63.

UKRAINE—LABOR SUPPLY

Distribution and the utilization of labor resources in the Ukraine. I. Vlasov, S. Savchenko. Ekon. Rad. Ukr. no. 4 65-71 Jl-Ag '63.

UKRAINE—LITERARY SOCIETIES

[Light-blue horizon; works of writers of the Vaplite group] Lehkosynia dal', vaplitians'kyi zbirnyk. Uporiadkuvannia, redaktsiia i prymitky IUrila Lyts'koho. New York, Vyd-vo "Proloh," 1963. 149 p.

UKRAINE—MACHINERY INDUSTRY—COSTS

For a deeper analysis of production costs. P. Laban. Ekon. Rad. Ukr. no. 4 100-108 Jl-Ag '63.

UKRAINE—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

On the problem of determining the level of production mechanization and automation. P. Hritsenko, P. Zahlubots'kyi. Ekon. Rad. Ukr. no. 4 27-31 Jl-Ag '63.

UKRAINE—MEDICINE

Medical industry of the Ukrainian S. S. R. in the seven-year plan. P. T. Matvеev, M. G. Ena. Vrach. delo no. 8 93-96 Ag '63.

UKRAINE—METAL WORKERS—EDUCATION AND

[illegible] gi-

[illegible] ie-

[illegible] o-
N

[illegible]

[illegible] iva,

[illegible] kyi,

[illegible] e

UKRAINE—MOTION PICTURES—EQUIPMENT AND SUPPLIES

Low-noise mobile "EM-100" electric power plant. Tekh. kino i telev. 6 no. 4 3 of cover Ap '62

UKRAINE—OBSTETRICS

State and basic problems in obstetrical and gynecological services in a rural area of the Ukraine. M. S. Bakshiev and others. Fed. akush. i gin. 25 no. 2 33-38 '63.

UKRAINE—PEAT—MICROBIOLOGY

Microbiological study of some peats of the Ukrainian S. S. R. [with summary in English]. V. H. Dudchenko. Mikrobiol. zhur. 25 no. 4 34-40 '63.

UKRAINE—PETROLEUM—REFINING

Increasing the efficiency of capital investments in petroleum refining. V. Andrianov, V. Buhrov. Ekon. Rad. Ukr. no. 4 21-26 Jl-Ag '63.

UKRAINE—PHYSICAL THERAPY—CONGRESSES

Conference of the provincial physiotherapeutists of the Ukrainian S. S. R. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5 473-475 S-O '62.

UKRAINE—PIPE MILLS

Norms for the number of workers. A. Vainzof and others. Sots. trud 8 no. 6:113-119 Je '63

UKRAINE—PLANTING TIME

Development of the root system and productivity of winter wheat as related to sowing time. V. I. Bondarenko, M. M. Povzik. Visnyk sil'hosp. nauky 6 no. 8, 40-45 Ag '63.

Reaction of winter wheat varieties to the sowing time after different preceding crops. M. I. Eremieiev. Visnyk sil'hosp. nauky 6 no. 8:46-48 Ag '63.

UKRAINE—POPLAR

Poplar plantations in the Ukraine. G. I. Red'ko. Les. khoz. 16 no. 2 41-42 F '63.

UKRAINE—POTATO BEETLE—EXTERMINATION

Controlling the Colorado beetle in self-sown potato fields. N. P. Diadechko, I. V. Kovtun. Zashch. rast. ot vred. i bol. 8 no. 5 49 My '63.

UKRAINE—PUBLIC PROSECUTORS

How we disseminate the progressive experience of the best public prosecutors. O. Liakhovich. Sots. zakon. 40 no. 7 37-40 Jl '63

UKRAINE—PUBLISHERS AND PUBLISHING

We disseminate our books among our people. Roman Chumak. Ukraina no. 15-3 Jl '63.

UKRAINE—QUALITY CONTROL

Intensify the effort for the quality of consumer goods. O. Kolenko. Ekon. Rad. Ukr. no. 4 84-88 Jl-Ag '63.

UKRAINE—RETAIL TRADE—STATISTICS

Satisfying the increasing needs of the population. A. Golovach. Ekon. Rad. Ukr. no. 4 119-121 Jl-Ag '63.

UKRAINE—REVOLUTION, 1917-1921

Akademiia nauk URSR, Kiev. Instytut istorii. [The role of seamen in the struggle for Soviet rule in the Ukraine, November 1917-1920] Moriaki v bor'be za vlast' Sovetov na Ukraine (noiabr' 1917-1920 gg); sbornik dokumentov. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963. 685 p.

UKRAINE—RHIZOSPHERE MICROBIOLOGY

Distribution of dark-colored Hyphomycetes in the rhizosphere of corn in steppe and forest-steppe areas of the Ukrainian S. S. R. [with summary in English]. N. M. Zhdanova. Mikrobiol. zhur. 25 no. 4 28-34 '63.

UKRAINE—ROTATION OF CROPS

Reaction of winter wheat varieties to the sowing time after different preceding crops. M. I. IEremieiev. Visnyk sil'hosp. nauky 6 no. 8 46-48 Ag '63.

UKRAINE—RUSSIAN SOCIAL DEMOCRATIC PARTY

Discussion and dissemination of the first program of our party in the Ukraine. T. B. Sliudkova. Ukr. ist. zhur. 6 no. 3:34-37 My-Je '63.

How V. I. Lenin led the Social Democratic organizations of the Ukraine during preparations for the Second Congress of the Russian Social Democratic Party. M. I. Horbunova. Ukr. ist. zhur. 6 no. 3 24-33 My-Je '63.

Remezovskii, I. D. [Revolutionary, public, and political work of the Ul'ianov family in the Ukraine; from the history of the Ukrainian and Crimean organizations of the Bolshevik Party, 1898-1921] Revoliutsionnaia i obshchestvenno-politicheskaia deiatel'nost' Ul'ianovykh na Ukraine; iz istorii bol'shevistskikh organizatsii Ukrainy i Kryma 1898-1921 gg. [Kiev] Izd-vo Kievskogo univ., 1963. 279 p.

UKRAINE—SAVINGS BANKS

Savings banks workers are competing. A. Dubenchuk. Den. i kred. 21 no. 8:43-48 Ag '63.

UKRAINE—SAWFLIES—EXTERMINATION

The cherry slug Caliroa limacina. A. D. Fedorenko. Zashch. rast. ot vred. i bol. 8 no. 5:55 My '63.

UKRAINE—SCHOOL GARDENS

Planning and outfitting of pre-school [illegible] collective farm village. V. Sydor. [illegible] 21 no. 7 36-40 Jl '63.

UKRAINE—SCHOOLHOUSES

Construction of pre-school institutions. V. [illegible] Do shk. vykh. 21 no. 7 31-35 Jl '63.

Planning and outfitting of pre-school [illegible] collective farm village. V. Sydor. [illegible] 21 no. 7 36-40 Jl '63.

UKRAINE—SEED PRODUCTION

Quality of monospermous sugar beet seed [illegible] to the harvesting time of seed plants. Z. M. [illegible] va. Visnyk sil'hosp. nauky 6 no. 8:51-56 Ag '63.

UKRAINE—SEISMOLOGY

Isoseismic lines of earthquakes in the Ukraine. Sihalova. Kat. i perp. sobytiia, no. 1 [illegible]

UKRAINE—SHEEP

Optimum size of sheep farms and pasture [illegible] khin. Ekon. Rad. Ukr. no. 4 58-64 Jl-Ag '63.

UKRAINE—SHIPBUILDING

Sky-blue lines over seas and oceans. Ukr. [illegible] Jl '63.

UKRAINE—SOCIAL SCIENCES—STUDY AND [illegible]

Seminars on social sciences. O. A. Kuzhelnyi. Shk. 42 no. 8:78-80 Ag '63.

UKRAINE—SOIL MOISTURE

Effect of meteorological factors on the optimum supply of corn fields in the Ukraine. I. [illegible] TSao In [Tsao In]. Trudy TSIP no. 1 [illegible]

UKRAINE—SPRAYING AND DUSTING IN AGRICULTURE

Aeronautics in plant protection. M. G. Kuzmenko, [illegible] Cholchenko. Zashch. rast. ot vred. i bol. [illegible] My '63.

UKRAINE—SPRAYING AND DUSTING IN FORESTRY

Low-volume aerial spraying in controlling forest [illegible] the Ukraine. D. F. Radnev. Lesn. khoz. 16 no. 5 [illegible]

UKRAINE—STARCH INDUSTRY

Verkhne-Dneprovsk Starch and Molasses [illegible] largest corn processing enterprise of the [illegible] A. B. Dnev. Sakh. prom. 37 no. 9:19-21 [illegible]

UKRAINE—STATISTICS

Ukraine. Statisticheskoe upravlenie. [Soviet [illegible] the Ukrainian S. S. R.; statistical abstract] Narodnoe khoziaistvo Ukrainskoi SSR; statystychnyi [illegible] Kyiv, Derzh. stat. vyd-vo, 1963. 318 p.

UKRAINE—STEEL INDUSTRY—MANAGEMENT

For better labor organization in subdivisions [illegible] M. Luk'ianov, N. Tereshchenko. Sots. trud [illegible] 73 Je '63.

UKRAINE—STONE AGE

Shovkoplias, I. H. [The Stone Age within the [illegible] the Ukraine] Kam'ianyi vik na terytorii Ukrainskoi RSR. Kyiv, "Radians'ka shkola," 1962. 116 p. (In U)

UKRAINE—SUGAR BEETS

Quality of monospermous sugar beet seeds as [illegible] to the harvesting time of seed plants. Z. M. [illegible] va. Visnyk sil'hosp. nauky 6 no. 8:51-56 Ag '63.

UKRAINE—SUGAR BEETS—PRICES

State purchasing prices and sugar beet quality. [illegible] nov. Vop. ekon. no. 9:141-146 S '63.

UKRAINE—SWINE HOUSES AND EQUIPMENT

Keeping suckling sows in groups with young pigs. [illegible] Rusiaihov. Visnyk sil'hosp. nauky 6 no. 8 [illegible] '63.

UKRAINE—TEACHING

Lights that call to knowledge and work. I. Mykh[illegible] Rad. shk. 42 no. 6:106-107 Ag '63.

UKRAINE—VOCATIONAL EDUCATION

Vocational education should have a broad technical [illegible] M. A. Kylymnyk. Rad. shk. 42 no. 6:80-81 Ag [illegible]

UKRAINE—WEED CONTROL

Weed control in carrot fields. B. Bollak, I. Bat[illegible] Tekh. v sel'khoz. 23 no. 5:21 My '63.

UKRAINE—WHEAT

Development of the root system and productivity of winter wheat as related to sowing time. V. I. [illegible] renko, M. M. Povzik. Visnyk sil'hosp. nauky 6 no. 8 40-45 Ag '63.

Make more extensive use of the achievements of science and practice in sowing winter crops. M. V. Kuz'menko. Visnyk sil'hosp. nauky 6 no. 8 3-9 Ag '63.

UKRAINE—WHEAT—VARIETIES

Reaction of winter wheat varieties to the sowing time after different preceding crops. M. I. IEremeiev. Visnyk sil'hosp. nauky 6 no. 8:46-48 Ag '63.

UKRAINE—WOMEN—EMPLOYMENT

Soviet women are the tireless builders of communism O. Ivashchenko Komm, Ukr 38 no. 6:10-20 Je '63

UKRAINE—WORLD WAR, 1939-1945

Cooperation of Ukrainian scientists and cultural and educational workers with the scientists and cultural and educational personnel of the other Soviet Republics during the war, M. V. Koval', Ukr. ist. zhur., 6 no. 3 88-94 My-Je '63.

UKRAINE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Participation of the Transcarpathian Ukrainians in the Ukrainian guerrilla units, 1941-1944. F. P. Shevchenko. Ukr. ist. zhur., 6 no. 3 95-99 My-Je '63.

A party conference behind enemy lines. I. I. Slyn'ko. Ukr. ist. zhur., 6 no. 3:106-107 My-Je '63.

UKRAINE, WESTERN—ATHEISM

A very effective form of atheistic education A. Gavriliuk Komm. Ukr 38 no 6 91-93 Je '63.

UKRAINE, WESTERN—CATTLE

Efficient structure of a cattle herd in case of various marketing time for young cattle. A. P. Samoilenko. Visnyk sil'hosp nauky 6 no. 8 18-20 Ag '63.

UKRAINE, WESTERN—COMMUNISM AND ART

A party organization's contacts with the creative intelligentsia. V. Malanchuk, Komm Ukr 38 no 6:52-58 Je '63.

UKRAINE, WESTERN—HISTORY

Contacts of the Russian Social Democratic Party with the progressive leaders of Galicia, 1894-1904. M. M. Volianiuk. Ukr. ist. zhur. 6 no. 3:38-48 My-Je '63.

Lvov historians celebrate the anniversary of the Revolution of 1863. M. S. Trusievych. Ukr. ist. zhur. 6 no. 3 155 My-Je '63.

UKRAINE, WESTERN—HOUSING

Developing communal housing and services in the western provinces of the Ukraine. H. Chechel'. Ekon. Rad. Ukr. no. 1:89-93 Jl-Ag '63.

UKRAINE, WESTERN—MEDICINE

Review of the collection of articles "History of medicine in the Ukraine; based on data of the western provinces of the Ukrainian S.S.R., Transcarpathia and Bukovina." I. D. Strashun. Sov. zdrav. 22 no. 6 88-91 '63.

UKRAINE, WESTERN—MUNICIPAL SERVICES

Developing communal housing and services in the western provinces of the Ukraine. H. Chechel'. Ekon. Rad. Ukr. no. 4:89-93 Jl-Ag '63.

UKRAINE, WESTERN—Q FEVER

Results of serological examination of various occupational groups of the population in western provinces of the Ukrainian S.S.R. and detection of sporadic cases of Q fever [with summary in English] IU. V. Maltyniuk, I. O. Fmdina Mikrobiol zhur. 25 no. 4,13-16 '63.

UKRAINE, WESTERN—RESEARCH, INDUSTRIAL

Contacts between theoretical studies and the practical building of communism. S. M. Mel'nyk. Ukr. ist. zhur. 6 no. 3.57-60 My-Je '63.

UKRAINE, WESTERN—WOODWORKING INDUSTRIES—FINANCE

Working capital is utilized badly. V. Pinishko. Fin. SSSR 37 no. 8:59-61 Ag '63.

UKRAINIAN DRAMA (COMEDY)—BIBLIOGRAPHY see Bibliography—Ukrainian drama (Comedy)

UKRAINIAN LANGUAGE—FOREIGN WORDS AND PHRASES

Lexical contacts between the Slovak and Ukrainian languages [with summary in English]. M. O. Onyshkevich. Vest. LGU 18 no. 14:72-78 '63.

UKRAINIAN LITERATURE

Padalka, P. K., comp. [Ukrainian literature; a manual for the 8th grade in schools using the Ukrainian and Russian languages] Ukrains'ka literatura, pidruchnyk dlia 8 klasu shkil z ukrains'koiu i rosiis'koiu movamy navchannia. Kyiv, Radians'ka shkola, 1960. 286 p. (WaU)

Stable means good and lasting. K. O. Khodosov. Rad. shk. 42 no. 8:102-103 Ag '63.

[United forever] Naviky vozz'iednana. [Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1959.] 501 p. (CtY)

UKRAINIAN LITERATURE—CHRESTOMATHIES AND READERS

Kysilevs'kyi, Kost' [Anthology of Ukrainian literature for schools and courses in Ukrainian culture] Khrestomatiia z ukrains'koi literatury dlia shkil i kursiv ukrainoznavstva. New York ["Luna"] 1961. 205 p. (CaAEU)

UKRAINIAN LITERATURE—DICTIONARIES

A handbook on the literature and writings of the eastern Slavs. P. Vierkhoŭ. Vestsi AN BSSR, Ser. hram. nav. no. 2:136-139 '63.

UKRAINIAN LITERATURE—HISTORY AND CRITICISM

[Panorama of current Ukrainian literature; poetry, prose, criticism] Panorama nainovishoi literatury v URSR, poezila - proza - kritika. Upor. ladkuvannia, vstupna stattia i biograficlini dovidky Ivana Koshelivtsia. New York, Vyd-vo "Proloh," 1963. 367 p.

UKRAINIAN LITERATURE—STUDY AND TEACHING

Studying the Ukrainian culture of the first half of the 19th century in the seventh grade. I. Z. Onyshchenko. Ukr. ist. zhur. 6 no. 3 120-122 My-Je '63.

UKRAINIAN PAINTERS see Painters, Ukrainian

UKRAINIAN PERIODICALS

A conference of our readers in Sumy. P. Barzylovych, O. Serbynovs'kyi, V. Shkurdoda. Ukraina no. 14 7 Jl '63.

UKRAINIAN POETRY—HISTORY AND CRITICISM

Korsuns'ka, B. L. [Revolutionary poetry of the masses related to the October Revolution] Masova revoliutsiina poezila Zhovtnia. Kyiv, Vyd-vo Akad nauk URSR, 1960. 210 p. (InU)

Shakhovskii, S. M. [Lyric poetry and lyric poets; on the art of Soviet Ukrainian poetry] Lirika i liriki, o masterstve ukrainskoi sovetskoi poezii. [Moskva] Sovetskii pisatel', 1963. 369 p.

UKRAINKA, LESIA, 1871-1913

Lesia Ukrainka N Litviakova Uzbekistan 22 no 8 23 Ag '63

ULAN BATOR—LATITUDE

Program of latitude observations for Ulan-Bator. E. V. Lavrent'eva, P. D. Dvulit. Trudy Polt. grav. obser. 12:18-58 '63.

UL'IANOV FAMILY

Remezovskii, I. D. [Revolutionary, public, and political work of the Ul'ianov family in the Ukraine; from the history of the Ukrainian and Crimean organizations of the Bolshevik Party, 1898-1921] Revoliutsionnaia i obshcheatvenno-politicheskaia deiatel'nost' Ul'ianovykh na Ukraine, iz istorii bol'shevistskikh organizatsii Ukrainy i Kryma 1898-1921 gg. [Kiev] Izd-vo Kievskogo univ., 1963. 279 p.

ULTRABASITE

Some characteristics of the distribution of gallium in ultrabasites [with summary in English] L. F. Borisenko. Geokhimiia no. 8 746-753 Ag '63.

Some problems of the formation of ultrabasic belts. V. V. Zhdanov. Sov. geol. 6 no. 8.111-116 Ag '63.

ULTRASONIC METAL CUTTING

Effect of air exhaustion in the cutting area on the ultrasonic metal cutting. G. M. Borun, Z. I. Poliakov. Vest. mashinostr. 43 no. 8:74-76 Ag '63.

ULTRASONIC TESTING

Ultrasonic method for checking the strength and uniformity of concrete in constructions. A. I. Kudinov. Standartizatsiia 27 no. 7:22-26 Jl '63.

ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS

Application of gamma rays and ultrasonic waves in television. I. K. Malakhov. Tekh. kino i telev. 5 no. 7 76-83 Jl '61.

Effect of ultrasonic waves on the process of leaching hard to dissolve rare metal compounds. N. N. Khavskii and others. Izv. vys. ucheb. zav.; tsvet. met. 6 no. 3:100-109 '63.

Hydrodynamic ultrasonic emulsifier. I. I. Mitin, M. A. Sokolov. TSvet. met. 36 no. 8:83-84 Ag '63.

Methods of television signal delay by means of ultrasonic delay lines [with summary in English on p. 96]. I. V. Zakharov. Tekh. kino i telev 7 no. 8:29-36 Ag '63

New effective ultrasonic method for a treatment of rock samples for the spe sis. N. A. Shvedov. Sbor. st. po paleon no. 28:93-94 '62.

Ultrasonic cleaning of pipes in hydrauli presses. F. A. Shil'gorin. Vest. mashi 76 Ag '63.

ULTRASONIC WAVES—PHYSIOLOGICAL

Effect of ultrasonic vibrations on various objects, review of literature. N. F. Sva med. tekh. no. 4 68-77 '61.

ULTRASONIC WAVES—SPEED

Effect of moisture content on ultrasound capillary-porous bodies [with summary B. N. Stadnik, M. F. Kazanskii. Inzh.-f 94-97 Jl '63

ULTRASONIC WAVES—THERAPEUTIC U

A stationary ultrasonic therapeutic devic vich and others. Nov. med. tekh. no. 4:

ULTRAVIOLET RAYS

Effect of ultraviolet radiation on the kin and deterioration of capron fibers [with English]. V. R. Regel', N. N. Chernyi, 5 no. 6:925-931 Je '63.

ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT

Biological evaluation of ultraviolet solar radiation in a large city (erythemic effect). R. G. Amirkhanova. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 2 139-142 Mr-Ap '63.

Effect of ultraviolet rays on the numerical variations of bacteria experimental biocenoses. M. M. Kamshilov, E. S. Fishkova. Dokl. AN SSSR 151 no. 1,206-208 Jl '63.

Methods for ultraviolet irradiation of animals [with summaries in English, German, and French]. D. A. Ustinov, I. I. Kozunin. Vest. sel'khoz. nauki 8 no. 4: 141-143 Ap '63.

Reaction of chicks to ultraviolet rays as related to the difference of breed. S. G. Pegel'man. Agrobiologiia no. 4 548-552 Jl-Ag '63.

ULTRAVIOLET RAYS—THERAPUETIC USE

Ultraviolet therapy of hordeolum. V. A. Konstantinova. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5 450-451 S-O '62.

Zonal ultraviolet irradiation in some dermatoses. P. I. Golomba. Vop. kur., fizioter. i lech. fiz. kul't 28 no. 2: 143-146 Mr-Ap '63.

UL'YANOVSK—PIONEERS (COMMUNIST YOUTH)

Club and camp "Pioneers' friendship." T. Gren. Nar. obr. no. 6:80-82 Je '63.

UMBILICUS—BLOOD SUPPLY

Anatomico-roentgenological characteristics of anastomosis of the human umbilical arteries. G. S. Kirillakulov. Ped., akush. i gin. 25 no. 2:59-61 '63

UMBOZERO LAKE REGION—ACOUSTIC PHENOMENA IN NATURE

Sound of a creek and the bonfire P. D. Rezvoi Priroda 52 no. 8:110 Ag '63.

UMOHOITE CRYSTALS

Crystal structure of umohoite $[UMoO_6(H_2O_2)_2]$. $2H_2O$ [with summary in English] D. S. Makarov, L. I. Anikina. Geokhimiia no. 1:15-22 Ja '63

UNDERDEVELOPED AREAS

Projects which do not seem Utopian. Az. i Afr. seg. no. 8:58 Ag '63.

UNDERDEVELOPED AREAS—ECONOMIC CONDITIONS

Continuance of a legend. S. Dalin. Mir. ekon. i mezhdunar. otn. no. 8.142-145 '63.

International monopolies and economically underdeveloped countries. T. Belous. Mir. ekon. i mezhdunar. otn. no. 8:50-62 '63.

Stepanov, L. V., and G. I. Mirskii. [Asia and Africa, continents in motion] Azila i Afrika—kontinenty v dvizhenii. Moskva, Izd-vo vostochnoi lit-ry, 1963. 127 p.

UNDERDEVELOPED AREAS—FOREIGN ECONOMIC RELATIONS

Ideas of freedom and oppression are irreconcilable. Az. i Afr. seg. no. 8:2-3 Ag '63.

UNDERDEVELOPED AREAS—FOREIGN ECONOMIC RELATIONS—GERMANY, WEST

Liubskii, M. S., and G. O. Sokol'nikov. [Penetration of the imperialism of the German Federal Republic in underdeveloped countries] Proniknovenie imperializma FRG v slaborazvitye strany. Moskva, Sotsekgiz, 1963. 180 p.

UNDERDEVELOPED AREAS—FOREIGN ECONOMIC RELATIONS—UNITED STATES

Ul'ianovskii, R. A. [The neocolonialism of the U. S. A. and the underdeveloped countries of Asia] Neokolonializm SShA i slaborazvitye str

UNITED NATIONS

Participation of the White Russian S S R in the establishment of the United Nations. IU P Brodka Vestsi AN BSSR Ser fiziko-mat nav no. 2 115-125 '63

Racialism and colonialism on trial N Arkhad'ev Nov vrem 21 no 39 18-20 Ag '63

What we expect of the International Trade and Development Conference. Josip Djerda. Nov vrem. 21 no.31: 15-16 Ag '63.

UNITED NATIONS—ARMED FORCES

"Problem of the Armed Forces of the United Nations" [in Czech] by V. Kopal. I. P. Blishchenko. Izv. vys. ucheb. zav., prav 7 no. 2:182-184 '63

UNITED STATES—AESTHETICS

Information or propaganda? V. Zalesskii. Ogonek 41 no 26:17-18 Je '63.

UNITED STATES—ARREST

Arrest and preventive detention in American law and in the practice of U.S. pretrial investigation. I. B. Mikhailovskaia. Vop. krim no 6/7 229-237 '62

UNITED STATES—CANNING INDUSTRY

Structure of the canning industry in the U S A G M Moiseenkova Konservn prom 18 no 9 39-40 S '63

UNITED STATES—CHEMICAL INDUSTRIES

Monopolies in the chemical industry of the U.S.A. [with summaries in English, French and German, pp 75-76] BIKI [Prilozh.] no.1-1-37 Ap '63

UNITED STATES—CIVIL WAR

"Russian version" of the Civil War in the U. S. A. D. B. Petrov. Vop. ist. 38 no. 8:194-195 Ag '63.

UNITED STATES—COKE INDUSTRY

Coal coking in the U. S. A. L. I. Ulitskii. Koks i khim. no. 6:57-61 '63.

New trends in the planning, design, and construction of coke and coal chemicals plants in the United States and Canada. I. Peisakhzon. Koks i khim. no. 10:60-62 '62.

UNITED STATES—COKE—RESEARCH

New research center of the Koppers Company (U. S. A.). Koks i khim. no. 10:63 '62.

UNITED STATES—COLD STORAGE WAREHOUSES

Product distribution center of the "Safeway" Company in Landover Hills. Khol. tekh. 40 no. 3:61-64 My-Je '63.

UNITED STATES—COMMUNISM

"The First International in America" [in English] by S. Bernstein. Reviewed by L. I. Zubok. Vop. ist. 38 no. 7:174-177 Jl '63.

UNITED STATES—CORPORATION LAW

Legal aspects of the present-day American theories of the principal characteristics of corporations. V. P. Mozolin. Sov. gos. i pravo 33 no 9 141-141 S '63

UNITED STATES—CORPORATIONS

Legal aspects of the present-day American theories of the principal characteristics of corporations. V. P. Mozolin. Sov. gos. i pravo 33 no. 9 141-144 S '63

UNITED STATES—CRIMES AND CRIMINALS

Criminality school. F. Rabovskii. Mol kommunist no. 8:119-121 Ag '63.

New books published abroad. Mir. ekon. i mezhdunar. otn. no. 8 155-157 '63.

UNITED STATES—ECONOMIC CONDITIONS

New books published abroad. Mir. ekon. i mezhdunar. otn. no. 8.155-157 '63.

UNITED STATES—ECONOMIC GEOGRAPHY

Semevskii, B. N. [The United States of America; an outline of its economic geography] Soedinennye Shtaty Ameriki, ekonomiko-geograficheskii ocherk. Posobie dlia uchitelei Moskva, 1963 294 p.

UNITED STATES—ECONOMIC POLICY

Journey into a new Utopia; a book review. L. Povinskii. Nov. vrem. 21 no. 36:29-31 S '63.

The U. S. A. monopolies and the Washington policy. IU. Iudin. Mir. ekon. i mezhdunar. otn. no. 8:30-40 '63.

UNITED STATES—EDUCATION

Pedagogics of hate. K. Koretskaia. Doshk. vosp. 36 no. 6:106-108 Je '63.

UNITED STATES—ELECTRIC DRIVING

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu. [Use of silicon power rectifiers in electric drives; from materials of the ASEA firm] Primenenie silovykh upravliaemykh kremnievykh ventilei v elektroprivode, po materialam firmy ASEA. Referativnaia informatsiia Moskva, Izd-vo TsINTI, 1963. 23 p. (Elektrotekhnicheskaia promyshlennost' za rubezhom)

UNITED STATES—ELECTRONICS—PERIODICALS

Review of the periodical "Elektronika." N.I. Chistiakov. Radiotekhnika 18 no.6 76-77 Je '63.

UNITED STATES—FOREIGN ECONOMIC RELATIONS—IRAN

Abdullaev, Z. Z. [Beginning of U S expansion in Iran] Nachalo ekspansii SShA v Irane. Moskva, Izd-vo vostochnoi lit-ry, 1963. 96 p

UNITED STATES—FOREIGN ECONOMIC RELATIONS—PHILIPPINES

Neocolonialism of the United States of America and the condition of the working class of dependent countries. IU. Savel'ev. Nauch. dokl. vys. shkoly, ekon. nauki 6 no. 5. 65-72 '63

UNITED STATES—FOREIGN ECONOMIC RELATIONS—UNDERDEVELOPED AREAS

Moscow. Gosudarstvennyi pedagogicheskii institut inostrannykh iazykov [Collection of academic works, studies dedicated to the problems of the communist and workers' movement and international relations] Sbornik nauchnykh trudov, statʹi, posviashchennye voprosam kommunisticheskogo i rabochego dvizheniia i mezhdunarodnym otnosheniiam. Moskva, 1963 179 p

Ulianovskii, R. A. [The neocolonialism of the U. S. A. and the underdeveloped countries of Asia] Neokolonializm SShA i slaborazvitye strany Azii Moskva, Izd-vo vostochnoi lit-ry, 1963 342 p.

What is Mr. Bailey concerned about? M. Aleksandrov. Az. i Afr. seg. no. 8 63 Ag '63.

UNITED STATES—FOREIGN RELATIONS

"Diplomatic struggle of the U. S. A. for the dominion of the sea and the rivalry of imperialist states, 1918-1945" by Z. M. Solomkov. Reviewed by S. D. Osokin. Vop. ist. 38 no. 8:134-136 Ag '63.

UNITED STATES—FOREIGN RELATIONS—CUBA

The weight of the past a book review S. Gomonskii. Nov. vrem. 21 no.31 29-31 Ag '63.

UNITED STATES—FOREIGN RELATIONS—PHILIPPINES

The Philippines and the strategy of the U S. A. [with English summary in insert]. A Orlov. Az. i Afr. seg. no. 8 38-39 Ag '63.

UNITED STATES—FOREIGN RELATIONS—RUSSIA

Early history of American relations with the Soviet state, the mission of Raymond Robins. L.A.Gvishiani. Vop. ist. 38 no. 7:210-217 Jl '63.

UNITED STATES—FOREIGN RELATIONS—VIETNAM, SOUTH

Washington's Indochina chimeras. IU. Bochkarev. Nov. vrem. 21 no. 36.6-8 S '63.

What the British think about the policy of the United States. Konni Zilliacus. Nov. vrem. 21 no. 36 16-17 S '63.

UNITED STATES—FORGING—EQUIPMENT AND SUPPLIES

Mechanization and automation of press forging operations. B. S. Perevozchikov, V. F. Kovalenko. Kuz.-shtam. proizv. 5 no. 8:38-42 Ag '63.

UNITED STATES—FUEL

Fuel economy of the U. S. A.; brief economic analysis of fuel consumption IU. N Rubachev Neftepromdelo no. 3:42-45 '63.

UNITED STATES—GASOLINE—ANTIKNOCK AND ANTIKNOCK MIXTURES

Eight years of operating experience with the ultraforming process. Khim. i tekh. topl. i masel 8 no. 8 68-70 Ag '63

UNITED STATES—HISTORY

An American textbook N. V. Sivachev. Prep. ist. v shkole 18 no 5:114-120 S-O '63.

Two giants; parallel history of the U.S.A. and U.S.S.R. Andre Wurmser. Zhen. mira no 5:20,34 '63.

UNITED STATES—HYDROFOIL BOATS

American experimental underwater-winged passenger launch "Denison." G. P. Zlobin. Sudostroenie 29 no. 7:71-73 Jl '63

UNITED STATES—ICE INDUSTRY—EQUIPMENT AND SUPPLIES

Automatic device for manufacturing ice flakes V K Vasil'ev. Ryb. khoz. 39 no. 8.81-82 '63.

UNITED STATES—INSECTS, INJURIOUS AND BENEFICIAL—CONTROL

Chlorophos in the agriculture of the U S A. P. V Popov. Zashch. rast. ot vred i bol 8 no 7:51 Jl '63

UNITED STATES—INTELLIGENCE SERVICE

[Facts revealed; articles based on materials in the Soviet press] Fakty izoblichaiut; sbornik, po materialam sovetskoi pechati. [Berlin] Komitet "Za vozrashchenie na Rodinu," 1957. 55 p.

UNITED STATES—LIBRARIES

Libraries in the U. S. A. I. IU. Bagrova, L. I. Vladimirov, N. F. Gavrilov. Bibliotekovedenie i bibl. za rub. no. 11.69-108 '63.

UNITED STATES—LIBRARIES, CHILDREN'S

Library service for school children in the United States. V. M. Ostrina. Bibliotekovedenie i bibl. za rub no. 11 53-65 '63.

UNITED STATES—MATHEMATICS—PROGRAMMED INSTRUCTION

Programming in American schools. I F Feshenko Rad. shk. 42 no. 7:37-39 Jl '63

UNITED STATES—MATHEMATICS—STUDY AND TEACHING

Mathematics in the schools of the United States. Z Kh. Iaeva, E. Tarshis. Nar. obr. no 8:102-103 Ag '63.

UNITED STATES—MILITARY POLICY

Japanese historians are struggling for peace. S. L. Bidkevich. Vop. ist. 38 no. 8:193 Ag '63.

The nuclear policy of NATO, contradictions and discords M L'vov. Mir. ekon. i mezhdunar. otn. no. 8 21-35 '63.

UNITED STATES—MOTION PICTURES

Principles and potentialities of the M-G-M 65 motion-picture system E. M. Goldovskii. Tekh. kino i telev 6 no 4 34-41 Ap '62.

UNITED STATES—NEGROES—CIVIL RIGHTS

Awakened volcano. N. Kurdiumov. Sov. profsoiuzy 19 no. 14:10-42 Jl '63.

UNITED STATES—NURSES AND NURSING

Organization of nurses' work in well-developed capitalistic countries (U S A., England, France, German Federal Republic). V. IA Berezneev, V I. Mushakov. Med sestra 22 no. 6:49-53 Je '63.

UNITED STATES—POLITICS AND GOVERNMENT

On the road to the White House. Val Zorin. Nov. vrem. 21 no. 31:11-14 Ag '63.

UNITED STATES—POWER ENGINEERING

Brief reports on developments abroad. Prom. energ. 18 no. 8:58 Ag '63.

In brief about developments Prom energ 18 no 7 37-38 Jl '63

UNITED STATES—PROFIT

Manisov, V. I. [Monopoly profit and monopoly price] Monopol'naia pribyl' i monopol'naia tsena. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963 95 p.

UNITED STATES—PROTECTIVE COATINGS

Synthetic paint materials used in the U S A for the protection of petroleum industry equipment V A Rasser-zov Lakokras. mat i ikh prim no 3 81-82 '63

UNITED STATES—PUBLIC HEALTH

Persistent facts concerning public health in the U S A IU. P. Litsitsyn. Fel'd. i akush. 28 no. 2:52-55 F '63

UNITED STATES—RACE QUESTION

International notes. Nov. vrem. 21 no. 31:21-22 Ag '63.

Stark racist. A. Serbin. Ogonek 41 no. 29:30-31 Jl '63.

They can't be stopped. Harry Freeman. Nov. vrem. 21 no. 36:12-13 S '63.

Zorin, V. S. [The Negro people on the offensive, on the situation and struggle of the American Negroes for their political, economic and social equality] Negritianskii narod v nastuplenii, o polozhenii i bor'be amerikanskikh negrov za svoe politicheskoe, ekonomicheskoe i sotsial'noe ravenstvo. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. VII Seriia. Mezhdunarodnaia, no. 15)

UNITED STATES—RADIO

Radio communication in industrial enterprises IA G. Vol'fkovich Prom energ 18 no 7 35 Jl '63

UNITED STATES—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

"Silent expansion," A. Golubev, I. Borodulin. Ogonek 41 no. 31,20-21 Jl '63.

UNITED STATES—RELATIONS (MILITARY) WITH SOUTH VIETNAM

Our commentaries The tragedy of South Vietnam. Nov. vrem. 21 no. 35;10 Ag '63.

Washington's South-Vietnamese knot [with English summary in insert]. Z. Mirskii. Az. i Afr. seg. no. 8 22-24 Ag '63.

UNITED STATES—RESEARCH, INDUSTRIAL

[Research organization in the industry of the U. S. A. Translated from the English] Organizatsiia nauchnykh issledovanii v promyshlennosti SShA. Pod red O N. Talenskogo. Moskva, Izd-vo inostr. lit-ry, 1962 314 p.

UNITED STATES—RURAL ELECTRIFICATION

Rural electrification in the United States, competition at the farmers' expense. G. Prokhorova. Mir. ekon. i mezhdunar. otn. no. 8.127-130 '63.

UNITED STATES—SCHOOL SPORTS

New school program of physical education in the U.S.A. G.I.Kukushkin. Teor. i prak. fiz. kul't. 26 no.6 63-66 Je '63.

UNITED STATES—SECTS

Invasion of prophets. A. Mironenko. Nauka i rel. 4 no.7 49 Jl '63

UNITED STATES—SHIPBUILDING

American-built ships. Sudostroenie 29 no.5:60-63 My '63.

UNITED STATES—SILICON DIODES

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu. [Use of silicon power rectifiers in electric drives, from materials of the ASEA firm] Primenenie silovykh upravliaemykh kremnievykh ventilei v elektroprivode, po materialam firmy ASEA. Referativnaia informatsiia. Moskva, Izd-vo TsINTI, 1963. 23 p. (Elektrotekhnicheskaia promyshlennost' za rubezhom)

UNITED STATES—TRUSTS, INDUSTRIAL

Manisev, V.I. [Monopoly profit and monopoly price] Monopol'naia pribyl' i monopol'naia tsena. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 95 p.

Monopolies in the chemical industry of the U.S.A. [with summaries in English, French and German, pp. 75-76]. BIKI [Prilozh.] no.1:1-37 Ap '63

UNITED STATES—UNEMPLOYED

Journey into a new Utopia? a book review. L. Povinskii. Nov. vrem. 21 no.36:29-31 S '63.

"Social dynamite." E. Vil'khovchenko. Mir. ekon. i mezhdunar. otn. no.9:82-84 '63.

UNITED STATES—WAR—ECONOMIC ASPECTS

American business world and the treaty. Iu. Rudin. Nov. vrem. 21 no.35:7-10 Ag '63

UNITED STATES NAVY

"Diplomatic struggle of the U.S.A. for the dominion of the sea and the rivalry of imperialist states, 1918-1945" by Z. M. Solomtsov. Reviewed by S. D. Oskin. Vop. ist. 38 no.8:134-136 Ag '63.

UNITIZED CARGO SYSTEMS
(see also subdivision under Australia)

Freight transportation on pallets. V. Zvonov. Rech. transp. 22 no.6:13 Je '63

UNITS

Adoption of the international unit system in the U.S.S.R. V. Korotkov. Tekh. kino i telev. 7 no.6:70-73 Je '63.

Adoption of the international unit system in the U.S.S.R. V. P. Korotkov. Kons. i ov. prom. 18 no.7:12-15 Jl '63.

"International standard of units" by A.G. Chertov. Reviewed by A. A. Glebovich. Mekh. i elek. sots. sel'khoz. 21 no.1:63-64 '63.

International system of units. V. Korotkov. Stroitel' 9 no.5:29-31 My '63.

Introduction of the international system of units in the U.S.S.R. V. P. Korotkov. Geod. i kart. no.6:69-74 Je '63.

Introduction of the International Unit System in the U.S.S.R. V. Korotkov. Izv. AN Arm. SSR, Geol. i geog. nauki 16 no.2:77-84 '63.

On the introduction of the International System of Units in the U.S.S.R. V.P. Korotkov. Neftekhimiia 3 no.3 436-441 My-Je '63

UNITS—STUDY AND TEACHING

Acquainting students with the new international unit system. O. F. Myhilachenko, I. L. Minenko. Rad. shk. 42 no.7:99-101 Jl '63.

UNIVERSITIES AND COLLEGES see subdivision under Kirovograd; Moscow; Vilnius

UNIVERSITIES AND COLLEGES—CURRICULA see subdivision under Havana

UNJUST ENRICHMENT

Responsibility for highly injurious profiteering. I. Romanenko. Sov. iust. no.9:8-9 My '63.

UNSATURATED COMPOUNDS

Comparative spectral study of the degree of unsaturation in polyethylene [with summary in English]. A. L. Gol'denberg, S. G. Liubetskii. Vysokom. soed. 5 no.6:905-909 Je '63.

Effect of the electrolyte phase composition on electrochemical polymerization [with summary in English]. N. S. TSvetkov, Z. F. Glotova. Vysokom. soed. 5 no.7: 997-1001 Jl '63.

Effect of functional groups on the electrolytic reduction of unsaturated organic compounds on the Pd electrode [with summary in English]. I. I. Kulakova, A. V. Shashkina. Zhur. fiz. khim. 37 no.8:1726-1732 Ag '63.

Gas-liquid chromatography of oxygen-containing polyene compounds. B. A. Rudenko, I. I. Nazarova, V. F. Kucherov. Izv. AN SSSR, Ser. khim. no.9:1545-1548 S '63.

Polymerization of unsaturated compounds under the effect of lithium diethylamide [with summary in English]. P. A. Vinogradov, N. N. Basaova. Vysokom. soed. 5 no.6:850-853 Je '63.

UNSATURATED COMPOUNDS—SPECTRA

Vibrational spectra of aliphatic conjugated dienes. L. V. Sobolev, V. T. Alekseenko. Zhur. struk. khim. 4 no.4 527-541 Jl-Ag '63

URAL COMPUTER

Calculating the equation for inserting a 3d-class point on a "Ural-1" computer. V. M. Sigalov. Geod. i kart. no.6:11-12 Je '63.

URAL DELTA—FISHERIES

Present state of the Ural Delta. O. K. Tienbekov. Trudy Inst. ikht. i ryb. khoz. AN Kazakh SSR 4:17-56 '63.

URAL MOUNTAIN REGION—ARCHAEOLOGY—CONGRESSES

Third Ural Archaeological Conference. M. S. Akimova. Vop. ist. no.12:142-144 '62.

URAL MOUNTAIN REGION—GEOLOGY, STRATIGRAPHIC

Stratigraphy of the Upper Permian and Triassic in the Northern Ural region. V. I. Chalyshev. Biul. MOIP, Otd. geol. 38 no.3:45-59 My-Je '63.

URAL MOUNTAIN REGION—GEOLOGY, STRUCTURAL

Some data on the geological structure of the Dobryanka prospecting area. V. D. Shcherbina. Geol. nefti i gaza 7 no.6:21-27 Je '63.

URAL MOUNTAIN REGION—GRANITE

Granitoids converted into albites and greisens in the central part of the subarctic Ural Mountain region. M. V. Fishman, B. A. Goldin. Trudy Inst. geol. Komi fil. AN SSSR no.3:121-137 '62.

URAL MOUNTAIN REGION—HEALTH RESORTS, WATERING PLACES, ETC.—CONGRESSES

Scientific and Practical Conference of Physicians of the Health Resorts and Sanatoriums of the Urals, Siberia and the Far East. Vop. kur., fizioter. i tech. fiz. kul't. 27 no.5:469-472 S-O '62.

URAL MOUNTAIN REGION—LIGNITE

Special features of the composition of Southern Ural lignites and means for utilizing them in industry. I. S. Levin, T. A. Barmakova. Trudy Ural. politekh. inst. no.108/20-38 '61.

URAL MOUNTAIN REGION—MINING ENGINEERING

Determining the maximum width of chambers in northern Ural bauxite mines. B. A. Vol'khin. Trudy Inst. gor. dela UFAN SSSR no.5:41-47 '63.

URAL MOUNTAIN REGION—ROCK PRESSURE

Occurrence of rock pressure in experimental use of a system with a flexible metal ceiling in northern Ural bauxite mines. B. A. Vol'khin, M. G. Pantelcev. Trudy Inst. gor. dela UFAN SSSR no.5:13-20 '63.

URAL MOUNTAINS—ALUMINUM—CLASSIFICATION

Classification of supergene iron and aluminum deposits in the Urals. B. P. Krotov, M. I. Aleshin. Geol. rud. mestorozh. 5 no.4:43-55 Jl-Ag '63.

URAL MOUNTAINS—ASPHALTITE

Germanium in asphaltites from the Urals. V. M. Kostrikin. Min. syr'ia no.7:185-187 '63.

URAL MOUNTAINS—BEARS

Brief news and information. Zool. zhur. 42 no.8:1283-1286 '63.

URAL MOUNTAINS—BORON

Some geochemical characteristics of boron in the formation process of calcareous skarns in the Urals. A. F. Lisitsyn. Min. syr'ia no.7:139-146 '63.

URAL MOUNTAINS—CHALCOPYRITE

Isotopic composition of sulfur in sulfides of the Sibay copper pyrite deposit (Southern Urals). L. N. Grinenko. Geol. rud. mestorozh. 5 no.4:86-100 Jl-Ag '63.

URAL MOUNTAINS—FIELD MICE

New habitats of the red-backed bank vole Clethrionomys rufocanus Sund. in the Southern Urals [with summary in English]. V. N. Bol'shakov. Zool. zhur. 42 no.8: 1272-1273 '63.

URAL MOUNTAINS—IRON ORES—CLASSIFICATION

Classification of supergene iron and aluminum deposits in the Urals. B. P. Krotov, M. I. Aleshin. Geol. rud. mestorozh. 5 no.4:43-55 Jl-Ag '63.

URAL MOUNTAINS—NONFERROUS METALS

Ways of improving the quality of concentrates during the dressing of Ural copper-zinc ores. V. A. Bocharov, L. D. Kisliakov, G. I. Arzhannikov. TSvet. met. 36 no.8:12-16 Ag '63.

URAL MOUNTAINS—ROCKS—ANALYSIS

Some geochemical characteristics of boron in the formation process of calcareous skarns in the Urals. A. E. Lisitsyn. Min. syr'ia no.7:139-146 '63.

URAL MOUNTAINS—SULFUR ISOTOPES

Isotopic composition of sulfur in sulfides of the Sibay copper pyrite deposit (Southern Urals). L. N. Grinenko. Geol. rud. mestorozh. 5 no.4:86-100 Jl-Ag '63.

URAL MOUNTAINS—TERRACES (GEOLOGY)

Relict antiplanation terraces on the western slope of the Northern Urals. V. D. Tumanskii. Izv. Vses. geog. ob-va 95 no.4:358-360 Jl-Ag '63.

URAL MOUNTAINS—VOLCANIC ASH, TUFF, ETC.

Structural characteristic of tuff turbid materials of the Irendyk series. I. V. Khvorova, T. G. Fleseva. Biul. MOIP, Otd. geol. 38 no.3:87-98 My-Je '63.

URAL RIVER—FISHERIES

Methods for increasing the stock of commercial fishes in the Ural River-Caspian region. P. M. Konovalov. Trudy Inst. ikht. i ryb. khoz. AN Kazakh SSR 4:5-16 '63.

Reproduction of semimigratory fishes in the Ural River-Caspian region. G. P. Tritonov. Trudy Inst. ikht. i ryb. khoz. AN Kazakh SSR 4:19-42 '63

URAL RIVER—STURGEONS

Reproduction of sturgeons in the Ural River. N. I. Pesenti. Trudy Inst. ikht. i ryb. khoz. AN Kazakh. SSR 4:33-46 '63

URANIUM see subdivision under Black Sea

URANIUM—METALLURGY

Separating vanadium and uranium in fluorine-bearing solutions with the help of anionites. V. S. Pakhol'kov, A. IA. Korbut. Izv. vys. ucheb. zav., tsvet. met. 6 no.3:116-121 '63.

URANIUM ISOTOPES

Isotope composition of uranium and thorium in the supergene zone, study of fossil bones, soils and mollusk shells. V. V. Cherdyntsev, I. V. Kazachevskii, L. A. Kuz'mina. Geokhimiia no.3:251-265 Mr '63.

Kinetic energy of fragments produced in the symmetrical fission of U^{235} [with summary in English]. P. P. Dzhelepov and others. Zhur. eksp. i teor. fiz. 45 no.2:8-12 Ag '63.

URANIUM ORES see subdivision under Chatkal Range; Kurama Range

URANIUM ORES—CLASSIFICATION

Classification of exogenous uranium deposits. V. I. Danchev. Trudy IGI M no.99:68-84 '63.

URANIUM OXIDE CRYSTALS

Study of δ-UO_3. L. M. Kovba, L. M. Vidovskii, P. G. Iasnit. Zhur. struk. khim. 4 no.4:627-629 Jl-Ag '63

URBANY, DOMINIQUE, 1903-

Dominique Urbany. Nov. vrem. 21 no.35:27 Ag '63.

UREA

Sulfation of aryl aliphatic polyamides and polyureas. O. IA. Fedotova, M. I. Shtil'man. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no.2:260-262 '63.

UREA AS FEED

Effectiveness of feeding carbamide and defluorinated Karo-Tau phosphate to milk cows. V. A. Ignat'ev, A. K. Rosliakov. Vest. sel'khoz. nauki [Kazakh.] 6 no.5:50-55 My '63.

UREA CONDENSATION PRODUCTS

Technology of the finishing of radio cabinets with alkyd-urea and hardened lacquers. R. B. Mandel', M. D. Fritman, V. V. Semoshin. Lakokras. mat. i ikh prim. no.2:45-46 '63.

URIDINE PHOSPHATES

Analogs of enzymes of carbohydrate metabolism. Report No. 3: Synthesis of 4-thiouridine diphosphate glucose. N. K. Kochetkov and others. Izv. AN SSSR, Ser. khim. no.9:1502-1600 S '63.

URINE—INCONTINENCE

Oxygen therapy in nocturnal enuresis. I. P. Sokolinskii. Fel'd. i akush. 28 no.2:15-20 F '63.

URINE—SUPPRESSION

Use of substitution blood transfusion in treating calculous anuria. M. E. Fridman. Sov. zdravookh. no.3:56-60 My-Je '63.

UROPEPSIN

Relation of histological changes in the gastric stump to the secretion of hydrochloric acid and uropepsin in the late postresection period. V. Salupere. Terap. arkh. 35 no.1:59-65 Ja '63.

USMAN' DISTRICT—COLLECTIVE FARMS—INTERFARM COOPERATION

What did the annual report show? I. P. Dziuliskii. Uchet i fin. v kolkhoz. i sovkhoz. 20 no.8:30-32 Ag '63

USMAN' DISTRICT—CONSTRUCTION INDUSTRY—ACCOUNTING

What did the annual report show? I. P. Dziuliskii. Uchet i fin. v kolkhoz. i sovkhoz. 20 no.8:30-32 Ag '63

USSURIYSK REGION—RARE EARTHS

Rare earths in the Chekhezskoye brown coal deposit. A. V. Kosterin, D. F. Korolev, V. E. Kiziura. Geokhimiia no.7:694-695 Jl '63.

UST'-KAMENOGORSK—ELECTIONS
[illegible]

UST'-KAMENOGORSK—LEAD INDUSTRY—TECHNOLOGICAL INNOVATIONS
[illegible] 44-47 [illegible] '63.

UST'-KAMENOGORSK—MACHINERY INDUSTRY
[illegible]

UST'-KAMENOGORSK—ZINC INDUSTRY—TECHNOLOGICAL INNOVATIONS
[illegible] technological [illegible] Part. zhizn' K[illegible] 33 [illegible] 44-47 Ag '63.

UST'-LABINSK—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR
[illegible]

UST'-LABINSK DISTRICT—AGRICULTURAL ADMINISTRATION
[illegible] F. Ra[illegible]in. Part. zhizn' [illegible]

UTERUS
[illegible]

UTERUS—CANCER
Cerebral metastases in chorion epithelioma. E. M. Stebli, Vest. derm. i ven. 37 no.6:127-129 Je '63

UTERUS—RUPTURE
[illegible] A. D. Dubrov[illegible] Kaz [illegible]

UTERUS—TUMORS
[illegible] 11 '62

UTOPIAS
History of socialist utopias. A. D. Koltsakov. Vop. ist 38 no.7 [illegible] Jl '63

UZBEK LITERATURE—BIBLIOGRAPHY see Bibliography—Uzbek literature

UZBEK LITERATURE—HISTORY AND CRITICISM
Vladimirova, N. V. [The Soviet Uzbek short story] Uzbekskii sovetskii rasskaz. Tashkent, Gos. izd-vo Khudozh. lit-r. UzSSR, 1962. 158 p. (NIC)

UZBEK NEWSPAPERS
Born of the October Revolution. N. Mikhailidis. Komm. Uz. 35 no.6 86-92 Je '63

UZBEKISTAN—AGRICULTURAL ADMINISTRATION
Establishment of the organs of agricultural administration in Uzbekistan, November, 1917-the middle of 1918. A. Tashmukhamedov. Nauch trudy TashGU no. 207 203-217 '62

UZBEKISTAN—AGRICULTURAL MACHINERY INDUSTRY
Development of agricultural machinery manufacturing in Uzbekistan. Sh. Kh. Il'idashev. Nauch. zap. Tashk. fin.-ekon. inst. no. 14 70-77 '61.
Economic effectiveness of the use of the continuous flow method in the agricultural machinery industry of Uzbekistan. M. Ibragimov. Nauch rab i soob Otd obshchestv nauk AN Uz SSR 5:30-50 '62

UZBEKISTAN—AGRICULTURAL MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES
Optimal balance of capital assets, based on the materials of the agricultural machinery plants of Uzbekistan. G. I. Gruzdilov. Nauch. zap. Tashk. fin.-ekon. inst. no. 14 33-42 '61.

UZBEKISTAN—AGRICULTURAL RESEARCH
Basic results of the work of the Institute of Agriculture of the Academy of Sciences of the Uzbek S. S. R. for 1949-1951 [illegible] F. I. Uchevatkin. Trudy Inst. sel'khoz AN Uz SSR [illegible] 3-11 '53

UZBEKISTAN—AGRICULTURAL WORKERS
The first Congress of the Trade Union of Farm and Forest Workers in Uzbekistan in 1925. Sh. Sharapov. Nauch. trudy TashGU no. 212, Ist. nauki no. 42:70-74 '62.

UZBEKISTAN—AGRICULTURE
Contribution of the young workers of Uzbekistan in increasing the output of agricultural products during the years of the Great Patriotic War, 1941-1945. B. Davranov. Nauch. rab. i soob. Otd. obshchestv. nauk AN Uz. SSR 5:166-176 '62.
We rely upon the masses and activists. G. Dukhanin. Komm. Uz. 35 no. 6.73-78 Je '63.

UZBEKISTAN—AGRICULTURE—LABOR PRODUCTIVITY
The first Congress of the Progressive Collective Farmers of Uzbekistan. A. Nurilov. Nauch. trudy TashGU no 207 219-229 '62.
The Second Congress of the Progressive Collective Farmers of Uzbekistan, November, 1935. N. Akopian. Nauch trudy TashGU no. 207.245-256 '62.

UZBEKISTAN—AGRICULTURE—STUDY AND TEACHING
Students drive tractors. N. Khamidov. Uzbekiston 22 no. 8 [illegible] Ag '63

UZBEKISTAN—AGRICULTURE, COOPERATIVE
Establishment and early history of special cotton growing cooperatives in the Uzbek S. S. R., 1926-1927. T. Kh. Ergin. Nauch trudy TashGU no 212 Ist nauki no. 42:87-96 '62

UZBEKISTAN—AIR PILOTS
Around-the-world and twenty-five times around the planet. M. V. Shol'dskii. Uzbekiston 22 no 8 8 Ag '63

UZBEKISTAN—ALGAE—CULTURES AND CULTURE MEDIA
Methods for mass cultivation of chlorella. F. I. Mologradova and others. Uzb biol zhur. 7 no. 3,38-41 '63

UZBEKISTAN—ALKALI LANDS
More attention to the reclamation of alkali lands. G. Dzevenetskii. Komm. Uz 35 no. 6 45-50 Je '63

UZBEKISTAN—ARTISTS, WOMEN
Two Uzbek women. M. Alubdzhanova. Nauch. trudy TashGU no. 207 263-273 '62.

UZBEKISTAN—BEEF CATTLE—ECONOMIC ASPECTS
Potentials for reducing the cost of weight gain at the cattle fattening enterprises of Uzbekistan. I. N. Pivinskii. Nauch. zap. Tashk. fin.-ekon. inst. no. 14 103-113 '61.

UZBEKISTAN—CARROTS—DISEASES AND PESTS
Carrot-injuring cacadas. G. K. Dubovskii. Nauch dokl vys shkoly, biol. nauki no. 3 21-22 '63

UZBEKISTAN—CICADA
Carrot-injuring cicadas. G. K. Dubovskii. Nauch. dokl vys shkoly, biol nauki no. 3:21-22 '63.

UZBEKISTAN—COLLECTIVE FARMS
The decisive role of government ownership in the consolidation of the collective farm system; based on materials from the Uzbek S. S. R. Kh. Musaev. Nauch rab i soob Otd. obshchestv nauk AN Uz SSR 5:100-112 '62.
Forms and nature of the class struggle in Uzbek villages, 1932-1934. A. Nurilov. Nauch. trudy TashGU no. 207 231-243 '62.

UZBEKISTAN—COMMUNIST PARTY OF THE SOVIET UNION
The Communist Party of Uzbekistan in the first two years of the second five-year plan, 1933-1934. F. A. Kovalev. Nauch. trudy TashGU no. 212 Ist nauki no. 42:116-145 '62.

UZBEKISTAN—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK
Give constant attention to the ideological education of the managerial personnel of governmental agencies and the higher officials of the party. Komm. Uz 35 no. 6 3-10 Je '63.
Party news. Part zhizn' (Uzb.) 6 no 7:95-96 Jl '63

UZBEKISTAN—COMMUNIST REVISIONISM
The ideological struggle in Uzbekistan in the early thirties of the 20th century. Kh. Ziiautdinova. Nauch rab. i soob. Otd. obshchestv nauk AN Uz. SSR 5:351-364 '62.

UZBEKISTAN—CONSTITUTION
Uzbek S. S. R. Constitution. [Constitution (fundamental law) of the Uzbek Soviet Socialist Republic. With amendments and supplements adopted at sessions 4-7 of the Fourth Supreme Soviet of the Uzbek S. S. R.] Konstitutsiia (osnovnoi zakon) Uzbekskoi Sovetskoi Sotsialisticheskoi Respubliki. S izmeneniiami i dopolneniiami, priniatymi na 4-7 sessiiakh Verkhovnogo Soveta Uzbekskoi SSR chetvertogo sozyva. Tashkent, 1959. 33 p. (NNC-L)

UZBEKISTAN—CONSTRUCTION INDUSTRY
Development of housing construction in Uzbekistan. M. Artykov. Nauch. zap. Tashk. fin.-ekon. inst. no. 14: 118-126 '61.

UZBEKISTAN—CONSTRUCTION INDUSTRY—MANAGEMENT
First stage is the creation of an experimental firm. Nar. khoz. Uzb. 5 no. 8 55-58 Ag '63.

UZBEKISTAN—CORN (MAIZE)—HARVESTING
Achil Muminov is harvesting. M. Liakhovskii. Nar. khoz. Uzb. 5 no. 8:44-45 Ag '63.

UZBEKISTAN—COST AND STANDARD OF LIVING
The standard of living of the people is growing. F. Rasulev. Nar. khoz. Uzb. 5 no. 8.66-69 Ag '63.

UZBEKISTAN—COTTON
Basic results of a three-year study on the [illegible] young front in cotton. [illegible] Trudy Inst. sel'khoz. AN [illegible] SSR [illegible]

UZBEKISTAN—COTTON GROWING
All farms should study the progressive methods of over-all mechanization. V. Platonov, S. D[illegible]. Komm. Uz. 35 no. 6. 29-38 Je '63.
By personal example. R. Khodzhaev. Part. zhizn' [illegible] 6 no 7 69-70 Jl '63
Cultivation practices [illegible] control [illegible] of cotton in the [illegible] production system of [illegible] state farms. V. G. Petrov. Trudy Inst. [illegible] SSR no. 1 96-115 '53
Establishment and early history of special cotton cooperatives in the Uzbek S. S. R., 1926-1927. [illegible] Erzin. Nauch trudy TashGU no. 212 Ist nauki no. 42:87-96 '62.
Industrial help extended by the Russian [illegible] the cotton growers of Uzbekistan during the [illegible] out of the collectivization, 1929-1930. Z. [illegible] Nauch. rab. i soob. Otd. obshchestv. nauk AN Uz [illegible] 5 151-158 '62.
Results of research on the planting time for [illegible] Trudy Inst. sel'khoz. AN Uz SSR no. 1 [illegible] '53

UZBEKISTAN—COTTON GROWING—FINANCE
Working capital of the cotton industry. [illegible] Nauch. zap. Tashk. fin.-ekon. inst. no. 14 [illegible]

UZBEKISTAN—COTTON-PICKING MACHINERY
Main element of comprehensive mechanization. F. Ismailov, V. Bakulin. Nar. khoz. Uzb. [illegible] Ag '63.

UZBEKISTAN—CRIMINAL PROCEDURE
Uzbek S. S. R. Laws, statutes, etc. [Criminal procedure code of the Uzbek S. S. R. With amendments of March 1, 1963] Ugolovno-protsessual'nyi kodeks Uzbekskoi SSR. S izmeneniiami i dopolneniiami na 1 marta 1963 goda. Tashkent Gos. izd-vo UzSSR, 1963. 240 p.

UZBEKISTAN—ECONOMIC POLICY
Apply new principles and trends in the planning [illegible] S. Ziiadullaev. Nar. khoz. Uzb. [illegible]

UZBEKISTAN—ELECTION LAW
Democratic foundation of the election system of Uzbekistan under the 1937 Constitution of the [illegible] R. Sun'atkhodzhaev. Nauch. rab. i soob. Otd. obshchestv. nauk AN Uz. SSR 5:365-[illegible] '62

UZBEKISTAN—ELECTRIC POWER PLANTS
The electric power bases of southwestern Uzbekistan [illegible] the main trends of its further development. [illegible] shenko. Nauch. rab. i soob. Otd. obshchestv. [illegible] SSR 5 25-37 '62.

UZBEKISTAN—FARM MECHANIZATION
All farms should study the progressive methods of over-all mechanization. V. Platonov, S. Dukhanin. Komm. Uz. 35 no. 6:29-38 Je '63.
From the history of the organization of machine [illegible] on state farms and machine-tractor stations of Uzbekistan, 1929-1932. A. Nurullaev. Nauch. rab. i soob. Otd. obshchestv. nauk AN Uz. SSR 5: 178-[illegible]
How the agronomists and technicians of Uzbekistan helped to develop the agriculture of the Uzbek [illegible] 1956-1960. K. Amanov. Nauch. trudy TashGU no. [illegible] 65-80 '62.

UZBEKISTAN—FUEL
The trend is toward developing progressive types of [illegible] P. Savchenko. Nar. khoz. Uzb. 5 no. 8:10-[illegible] Ag '63

UZBEKISTAN—FUSARIUM
Photoperiodic development and the resistance of [illegible] to fusarium wilt. N. A. Aminov. Agrobiologiia no. 4 571-575 Jl-Ag '63.

UZBEKISTAN—GROSS NATIONAL PRODUCT
National product and the national income of the Uzbek S. S. R. K. N. Papaduk. Nauch. zap. Tashk. fin.-ekon. inst. no. 14.15-27 '61.

UZBEKISTAN—HONEY PLANTS
L. Bulgakova's and F. Savorin's book, "Honey plants in migratory apiculture." G. Khamidov. Uzb. biol. zhur. 7 no. 3 92 '63

UZBEKISTAN—HOUSING
Development of housing construction in Uzbekistan. M. Artykov. Nauch. zap. Tashk. fin.-ekon. inst. no. 14 118-126 '61.

UZBEKISTAN—INCOME
National product and the national income of the Uzbek S. S. R. K. N. Papaduk. Nauch. zap. Tashk. fin.-ekon. inst. no. 14:15-27 '61.

UZBEKISTAN—INDUSTRIES
Role of the budget in the industrial development of Uzbekistan. Kh. R. Sabirov. Nauch. zap. Tashk. fin.-ekon. inst. no. 14:3-14 '61.

UZBEKISTAN—IRRIGATION
How the patronage aid of the organizations of Uzbek workers helped to carry out the land and water reform in Uzbekistan. L. V. Gentshke. Nauch. trudy TashGU no. 212, Ist. nauki no 42 63-69 '62

UZBEKISTAN—LABOR AND LABORING CLASSES—EDUCATION
Technical progress and the sharp rise of the technical education level of the working class in the period of the large-scale building of communism, based on materials from Uzbekistan T. Abdushukurov Nauch trab i soob Otd. obshchestv. nauk AN Uz. SSR 5 124-138 '62.

UZBEKISTAN—LAND TENURE
Solution of the land and water supply problem in the period of the reconstruction of the agriculture of Uzbekistan. F. IUsupov. Nauch. trab i soob Otd obshchestv nauk AN Uz. SSR 6 88-99 '62

UZBEKISTAN—LANDSCAPE
Landscape and its exhibition. E. M Demurina Uzb biol zhur. 7 no. 3,26-31 '63.

UZBEKISTAN—MACHINERY INDUSTRY—FINANCE
Planning and accounting for the amortization of capital assets of machinery manufacturing enterprises. O. P. Zagorodniuk. Nauch. zap. Tashk. fin. -ekon. inst. no. 14. 53-59 '61.

UZBEKISTAN—MELON—DISEASE AND PEST RESISTANCE
Photoperiodic development and the resistance of melons to fusarium wilt. N A. Ataullaev. Agrobiologiia no. 4:571-575 Jl-Ag '63.

UZBEKISTAN—MOTION PICTURES
Motion pictures and audiences B Kaipov Part zhizn' [Uzb] 6 no 7 29-33 Jl '63

UZBEKISTAN—MOUNTAINEERING
Above the clouds. S. Kaigorodtsev Uzbekiston 22 no 8 10-11 Ag '63

UZBEKISTAN—NATURAL HISTORY MUSEUMS
Landscape and its exhibition. E. M Demurina Uzb. biol. zhur. 7 no. 3:26-31 '63.

UZBEKISTAN—PLANTS, EFFECT OF TRACE ELEMENTS ON
Distribution of copper, manganese, and molybdenum in soils and in the plants, Polygonum coriarium Grig and Rumex tianschanicus A. Los. A. M IAkubov and others. Uzb. biol. zhur. 7 no. 3 12-17 '63.

UZBEKISTAN—POETS, WOMEN
Two Uzbek women. M. Alubdzhanova. Nauch. trudy TashGU no. 207:263-273 '62.

UZBEKISTAN—POULTRY HOUSES AND EQUIPMENT—DISINFECTION
Use of aerosols in controlling ectoparasites in livestock buildings. A. M. Mitrofanov, K. P. Andreev. Trudy VNIIVS 14:9-11 '59.

UZBEKISTAN—PUBLIC HEALTH
In the name of Soviet people's health. B. Magzumov Part. zhizn' [Uzb] 6 no 7 49-52 Jl '63

UZBEKISTAN—PUBLIC HEALTH, RURAL
Extensive enlistment of the community in the solution of medical problems. R. K. Kadyrov, P. I. Chichenin. Med. sestra 22 no. 6 36-38 Je '63.

UZBEKISTAN—PUBLISHERS AND PUBLISHING
Books are our friends and advisers. T. Rustamov. Komm. Uz. 35 no. 0:51-58 Je '63.

UZBEKISTAN—QUALITY CONTROL
Problems of the quality of industrial production. T. T. Khankhodzhaev. Nauch. zap. Tashk. fin. -ekon. inst. no. 14:93-102 '61.

UZBEKISTAN—RECLAMATION OF LAND
The role of land reclamation cooperatives in the restoration and development of agriculture in the Uzbek S. S. R. A. A. Taktaev. Nauch. trudy TashGU no. 212. Ist nauki no. 42:75-86 '62.

UZBEKISTAN—RETAIL TRADE
Development of the material and technical basis of the retail trade of the consumer cooperatives of the Uzbek S. S. R. Sh. Samibaev. Nauch. rab. i soob. Otd. obshchestv. nauk AN Uz. SSR 5:113-123 '62.

UZBEKISTAN—RETAIL TRADE—COSTS
Marketing costs and the problems of organizing progressive trade forms. F. A. Mikhalev. Nauch. zap. Tashk. fin. -ekon. inst. no. 14:127-136 '61.

UZBEKISTAN—RETAIL TRADE—FINANCE
Overhead expenses and their effect on the profitableness of the consumer cooperatives of Uzbekistan. I. Abdukarimov. Nauch. trab. i soob. Otd. obshchestv. nauk AN Uz. SSR 5:139-150 '62.

UZBEKISTAN—REVOLUTION, 1917-1921
Establishment of the organs of agricultural administration in Uzbekistan, November, 1917-the middle of 1918. A. Tashmukhamedov. Nauch. trudy TashGU no. 207:203-217 '62.

Organization and work of the soviets in Uzbek villages, November 1917-June 1918. A. M Tashmukhamedov Nauch trudy TashGU no. 212, Ist. nauki no 12:18-31 '62.

UZBEKISTAN—SEED PRODUCTION
Cultivation practices as factors in controlled development of cotton in the seed production system of collective and state farms V. G. Petrov Trudy Inst. sel'khoz AN Uz SSR no. 1 95-115 '53

UZBEKISTAN—SERVICE INDUSTRIES
Not primitive shops but modern enterprises. S. Islamkhodzhaev. Nar. khoz. Uzb. 5 no. 8:70-72 Ag '63.

UZBEKISTAN—SOCIAL CONFLICT
Forms and nature of the class struggle in Uzbek villages, 1932-1934 A. Nuritov. Nauch. trudy TashGU no. 207, 231-243 '62.

UZBEKISTAN—SOCIALIST COMPETITION
Widen the scope of the communist labor movement S Nurutdinov Part zhizn' [Uzb] 6 no 7 43-48 Jl '63

UZBEKISTAN—TANNING
Distribution of copper, manganese, and molybdenum in soils and in the plants, Polygonum coriarium Grig and Rumex tianschanicus A. Los A. M IAkubov and others. Uzb biol zhur. 7 no. 3:12-17 '63

UZBEKISTAN—TECHNOLOGY
Technical progress and the sharp rise of the technical education level of the working class in the period of the large-scale building of communism, based on materials from Uzbekistan. T. Abdushukurov. Nauch trab i soob Otd. obshchestv. nauk AN Uz. SSR 5:124-138 '62.

UZBEKISTAN—TRADE UNIONS
The first Congress of the Trade Union of Farm and Forest Workers in Uzbekistan in 1925. Sh. Sharapov Nauch. trudy TashGU no. 212 Ist. nauki no. 42:70-74 '62.

Role of the Trade Union of Agricultural and Forest Workers in the emancipation of Uzbek women. Sh. Sharapov. Nauch. trudy TashGU no. 207:257-262 '62.

UZBEKISTAN—WATER—LAWS AND LEGISLATION
Some problems of the right to water consumption in the cities of the Uzbek S. S. R. M. Ishimov Nauch trab i soob. Otd. obshchestv. nauk AN Uz. SSR 5:292-300 '62.

UZBEKISTAN—WATER, UNDERGROUND
Beder, B. A. [Artisian waters in southwestern Uzbekistan] Artezianskie vody IUgo-Zapadnogo Uzbekistana. Tashkent, Sredneaziatskii nauchno-issl. in-t geol. i mineral'nogo syr'ia, 1961. 46 p. (Tashkent. Srednеaziatskii nauchno-issledovatel'skii institut geologii i mineral'nogo syr'ia. Trudy, no. 2)

Economic efficiency of using the vertical electric prospecting method in hydrogeological studies. A. I. Kim. Razved. i okh. nedr 29 no. 7:58-59 Jl '63.

Ground waters in Uzbekistan and their pumping possibilities for the purpose of soil improvement and irrigation N. M. Reshetkina Trudy Inst. sel'khoz. AN Uz SSR no 1 159-183 '53.

Problems of utilizing underground waters in the national economy of Uzbekistan. A. Kim. Nauch. zap. Tashk. fin. -ekon. inst. no. 14:114-117 '61.

UZBEKISTAN—WATER SUPPLY
Solution of the land and water supply problem in the period of the reconstruction of the agriculture of Uzbekistan K. IUsupov. Nauch. rab. i soob. Otd. obshchestv. nauk AN Uz. SSR 5:88-99 '62.

UZBEKISTAN—WOMEN—RIGHTS OF WOMEN
Role of the Trade Union of Agricultural and Forest Workers in the emancipation of Uzbek women. Sh. Sharapov. Nauch. trudy TashGU no. 207:257-262 '62.

UZBEKISTAN—WOMEN IN AGRICULTURE
Efforts of the political sections of machine-tractor stations to draw Uzbek women into collective farming, 1933-1934. A. N. Nuritov. Nauch. trudy TashGU no. 212, Ist. nauki no. 42:97-105 '62.

UZBEKISTAN—WORLD WAR, 1939-1945—ECONOMIC ASPECTS
Contribution of the young workers of Uzbekistan in increasing the output of agricultural products during the years of the Great Patriotic War, 1941-1945. B Davranov. Nauch. rab. i soob. Otd. obshchestv. nauk AN Uz. SSR 5:166-176 '62.

UZBEKISTAN—YOUNG WOMEN
The First Congress of the Young Women Workers of Uzbekistan, October 1935. N. A. Akoplan. Nauch trudy TashGU no. 212, Ist. nauki no. 42:106-115 '62.

UZGEN DISTRICT—COLLECTIVE FARMS—ACCOUNTING
Take care of building materials. T. Azimov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 5:11 My '63.

UZUNAGACH REGION—FOXES AS CARRIERS OF DISEASE
New natural focus of trichinellosis in Kazakhstan. Z. Kh. Tazieva. Trudy Inst. zool. AN Kazakh SSR 19:133-136 '63.

UZUNAGACH REGION—TRICHINA AND TRICHINOSIS
New natural focus of trichinellosis in Kazakhstan Z. Kh. Tazieva. Trudy Inst zool AN Kazakh. SSR 19:133-136 '63.

VACATIONS, EMPLOYEE
(see also subdivision under Alma-Ata)
Legal consultation. I. I. Brykalin. Zdravookhranenie 6 no. 1 63-64 Ja-F '63.
Legal regulation of nurses' vacations. M. M. Trubchanikov, K. N. Valiaeva Med. sestra 22 no 6 57-61 Je '63.
Letters from the editor. Sov. profsoiuzy 19 no. 14:47 Jl '63.
Replies to our readers. Sov. profsoiuzy 19 no. 14:15-46 Jl '63.
Supplementary leave and shorter workday in hazardous occupations. A. Kalinin. Sots trud 8 no. 6:145-151 Je '63.

VACCINES
Result of the treatment in acute dysentery with antibiotics in conjunction with intradermal vaccine therapy V. IU. IArtsev. Voen.-med zhur. no 6,77-79 '62

VACUUM APPARATUS
High-speed vacuum valve. O. V Lavrov, N. D Fedorov, N. N. Khaldin. Prib. i tekh. eksp. 8 no 3:131-133 My-Je '63.
A laboratory superhigh vacuum apparatus with directly heated solid-phase titanium vaporizers A A Kuz'min Prib. i tekh. eksp. 8 no. 3 125-130 My-Je '63.
Photoelectric device for the control of a vacuum unit. M. N. Sgibnev. Izv. vys. ucheb. zav., prib. 6 no 3:161-163 '63.

VACUUM METALLURGY
Soveshchanie po primeneniiu vakuuma v metallurgii. 3d. [Transactions of the Conference on the Use of Vacuum in Metallurgy] Trudy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 254 p.
[MICROFILM]
Vacuum treatment of blister copper. G. V. Kim and others. Trudy Alt. GMNII AN Kazakh. SSR 14:80-89 '63.

VACUUM TUBES See Electron tubes

VAGINA—SURGERY
Formation of an artificial vagina from amniotic membranes. IA. E. Kitvitskii, L. I Zavershenskaia. Kaz. med. zhur. no. 3:81-82 My-Je '63
Single-stage method of colpopoiesis using the sigmoid colon. R. I. Malykhina. Ped., akush. i gin. 25 no 2:50-52 '63.

VAGUS NERVE
"Escape" of the heart from the effect of the vagus nerve and the Tarkhanov-Puchna phenomenon. E. B. Babskii, L. S. Ul'iminskii. Dokl. AN SSSR 151 no. 5:1232-1235 Ag '63.
Vagal inhibition in case of cardiac denervation of various extent. I. I. Takhtaeva. Nauch dokl vys. shkoly; biol nauki no. 3:58-62 '63.

VAKHSH VALLEY—ANTIQUITIES
Archaeological work in the Vakhsh Valley in 1960. T. I. Zeimal', Trudy Inst. ist. AN Tadzh. SSR 34. Arkheol. rab. v Tadzh. SSR no. 8:35-47 '62.

VAKHSH VALLEY—COLLECTIVE FARMS—FINANCE
The role and meaning of indivisible funds in the development of the communal economy of a collective farm. Z. Abdullaev. Nauch. rab. i soob. Otd. obshchestv. nauk AN Uz. SSR 5:62-74 '62.

VAKHSH VALLEY—ECONOMIC GEOGRAPHY
Economic geography of the Vakhsh Valley. T. K. Lolaeva. Uch. zap. Dush. gos. ped. inst. 35. Ser. geog. no. 2:3-67 '62.

VAKHSH VALLEY—IRRIGATION CANALS AND FLUMES
Archaeological work in the Vakhsh Valley in 1960. T. I. Zeimal', Trudy Inst. ist. AN Tadzh. SSR 34. Arkheol. rab. v Tadzh. SSR no. 8:35-47 '62

VALENCE (THEORETICAL CHEMISTRY)
General method for calculating the integrals from spin-functions in the method of valence schemes. V. I. Berdnikov, V. M. Tatevskii. Vest. Mosk. un. Ser. 2:Khim. 18 no. 4:93 Jl-Ag '63.
Locating the best σ- and π-orbitals by the method of maximum overlap V M Volkov, M E. Diatkina. Zhur strukt khim 4 no 4 610-616 Jl-Ag '63.

VAL'FISH, ARNOL'D ZEL'MANOVICH, 1892-1962
Arnol'd Zel'manovich Val'fish; obituary. G. A. Lomadze, G. S. Chogoshvili. Usp. mat. nauk 18 no. 4:119-128 Jl-Ag '63.

VALUE
New maneuvers of the bourgeois critics of the labor theory of value. IU. Ol'shevich. Vop. ekon. no. 9:103-119 S '63.

VALVES
High-pressure relief valves. I. V. Kononov. [Nauch. trudy] ENIKMASha 6:81-104 '63.

VALVES (Continued)

[illegible]

VANADIUM—ELECTROMETALLURGY

Effect of impurities and temperature of the electrolyte on the [illegible] of the vanadium and vanadium electrolysis process [illegible] with a mercury cathodes. G. N. Sosnovskii, O. A. Esin. Trudy Mosk. GMMI AN Kaz. SSR 13 90-95 '63.

VANADIUM—METALLURGY

Behavior of vanadium and uranium in fluorine-bearing solutions [in the helped monomers] V. S. Pakholkov, V. M. Fomin, [illegible] Izv. vys. ucheb. zav., tsvet. met. 6 no. 5 116-121 '63.

VANADIUM FLUORIDE CRYSTALS

[illegible] of vanadium fluoride, [illegible] some physical properties of vanadium fluoride. [illegible] Zh. neorg. khim. no. 9 1733-1737 S '63.

VANADIUM OXIDES

Effect of fillers with anisodiametric particles on the properties of polymers. Part 2. [In English] V. A. Kargin, T. I. Sogolova, T. K. Shaposhnikova. Vysokom. soed. 5 no. 6 921-924 Je '63.

VANES—MODELS

[illegible] M. V. Fedorenko [illegible] Vest. mash. 43 no. 11 [illegible]

VANGYR VALLEY—GEOLOGY, STRATIGRAPHIC

[illegible] of the Ordovician and Silurian of the Vangyr Valley, Middle Ural Mountain region. [illegible] Trudy Inst. geol. Ural'sk. fil. AN SSSR no. 17 27-37 '62.

VANGYR VALLEY—GRANITE

[illegible] granitoid massif (subarctic Ural Mountain region). B. A. Gorbunov. Trudy Inst. geol. Ural'sk. fil. AN SSSR no. 17 98-170 '62.

VARNIC INSCRIPTIONS see Cuneiform inscriptions, Vannic

VAPOR-LIQUID EQUILIBRIUM

Equilibrium between metallic titanium and its chlorides and molten sodium chloride. V. G. Gopienko. Titan i ego [illegible] 205-212 '63.

Kinetics of the heterogenous reaction between silicon melts and a mixture of hydrogen vapor and helium vapor. Iu. M. Shashkov, Lian Tzin-u [Liang Ch'ing-wu]. Izv. vys. ucheb. zav., chern. met. 6 no. 7 27-32 '63.

VAPOR PRESSURE

Determination of the coefficients of interaction between saturated vapors of a complex composition and the surface of an effusion chamber. Iu. N. Liubitov. Zhur. fiz. khim. 37 no. 8 1864-1866 Ag '63.

Mass spectrometric method for determining partial vapor [illegible] and relative ionization cross sections of molecules from total evaporation isotherms. L. N. Sidorov, P. A. Akishin. Dokl. AN SSSR 151 no. 1 136-139 Jl '63.

Method of determining the saturated vapor pressure of low-volatility substances. Iu. N. Liubitov. Zhur. fiz. khim. 37 no. 8 1817-1819 Ag '63.

New formula describing the pressure of saturated vapor of liquids of different compositions [with summary in English]. N. I. Mel'nichenko. Inzh.-fiz. zhur. 6 no. 7 50-53 Jl '63.

Vapor pressure over the system NH_4F, HF of various ammonia content. Iu. I. Usova, A. P. Alabyshева. Zhur. fiz. khim. 37 no. 8 1870-1871 Ag '63.

VARIABLE STARS see Stars, Variable

VARIATION (BIOLOGY)

Variability of Morgan's bacilli in bile-meat-peptone broth cultures [with summary in English]. N. F. Petruk. Mikrobiol. zhur. 25 no. 4 10-13 '63.

VARIX

Use of oxygen in local treatment of trophic ulcers of the lower extremities in case of varicose veins. S. I. Kaltutskii, V. N. Fedash. Zdravookhranenie 6 no. 1 51-53 Ja-F '63.

VASOMOTOR NERVOUS SYSTEM see Nervous system, Vasomotor

VASODILATORS

Treatment of shock by inhibition of vasoconstriction [with summary in English]. M. J. Nickerson. Uch. zap. Inst. farm. i khimioter. AMN SSSR 3 186-198 '63.

VASYLENKO, ANDRII OVERIANOVICH, 1891-1963

A. O. Vasylenko, obituary. Visnyk sil'hosp. nauky 6 no. 8:124 Ag '63.

VASYUGAN VALLEY—NAMES, GEOGRAPHICAL

Khanty toponyms of Vasyugan. L. I. Kalinina. Uch. zap. TGPI 20 no. 2 127-143 '62.

VECTOR ANALYSIS

Free bimodules over a biregular ring. Z. S. Iliptina. Usp. mat. nauk 18 no. 1 155-159 Ja-Ag '63.

Rule of the analogy of vector fields. N. A. Bagrov. Trudy TsAIP no. 123 4-17 '63.

Some classes of vector chains and their application to the theory of semiordered spaces. A. I. Veksler. Dokl. AN SSSR 152 no. 1 20-23 S '63.

VEGA CARPIO, LOPE FELIX DE, 1562-1635—BIBLIOGRAPHY see Bibliography—Vega Carpio, Lope Felix de, 1562-1635

VEGETABLE GARDENING
(see also subdivision under Leningrad region)

Growing vegetables in gravel. E. G. Shcheglova. Zashch. rast. ot vred. i bol. 8 no. 7 8-9 Jl '63.

On the "Prigorodnoe" State Farm. N. N. Nikiforov, V. D. Fomenova. Zashch. rast. ot vred. i bol. 8 no. 7 6-7 Jl '63.

Vegetable gardening under artificial illumination. A. V. Chizhov. Priroda 52 no. 6 122-123 Ag '63.

VEGETABLE GARDENING—COSTS see subdivision under Alma-Ata region

VEGETABLE GARDENING—EQUIPMENT AND SUPPLIES

New method of cultivating seedlings in peat-humus blocks. I. I. Bronshtein. Dokl. TSKHA no. 62 377-393 '61.

VEGETABLE TRADE—ACCOUNTING see subdivision under Donetsk Province

VEGETABLES
(see also subdivision under Stupino District)

Chemical composition and equilibrium moisture of vegetable seeds. V. N. Kurdina. Dokl. TSKHA no. 62 505-509 '61.

VEGETABLES—DISEASES AND PESTS

Chlorophos in vegetable gardens. B. A. Gerasimov, L. G. Ter-Simonian. Zashch. rast. ot vred. i bol. 8 no. 7 31 Jl '63.

VEGETABLES—FERTILIZERS AND MANURES

Seed distribution of vegetable crops and mineral fertilizers in wide-row planting. S. I. Lisovenko. Nauch. trudy UNIMESKH 4 52-57 '62.

VEGETABLES—STORAGE
(see also subdivision under Donetsk Province)

Automatic control of forced ventilation in vegetable storage. P. N. Listov, Iu. P. Kalugina. Mekh. i elek. sots. sel'khoz. 21 no. 9 25-27 '63.

VEGETABLES—TRANSPORTATION

Kapustin, V. P. [Transportation of fruit, vegetables, and potatoes] Transportirovka plodov, ovoshchei i kartofelia. Moskva, Sel'khozizdat, 1963. 182 p.

VEGETABLES, CANNED

Seminar on the seed growing of vegetable cultures for canning. V. D. Lugovkin. Kons. i ov. prom. 18 no. 9, 45 S '63.

VEGETATION AND CLIMATE see subdivision under Soviet Central Asia

VENA CAVA—RADIOGRAPHY

X-ray study of the anatomy of the vena cava inferior and its branches [with summary in English]. V. F. Vil'khovoi. Vrach. delo no. 6 77-81 Je '63.

VENEERS AND VENEERING

Kotliarevskii, K. V., and G. A. Kotliarevskaia. [Economical expenditure of veneer] Ratsional'nyi raskhod stroganol fanery. Moskva, TSentr. in-t tekhnicheskoi informatsii i ekonomicheskikh issl. po tesnol., bumazhnoi i derevoobrabatyvaiushchei promyshl., 1962. 43 p. (Derevoobrabotka)

[MICROFILM]

VENEZUELA—HISTORICAL RESEARCH

Historical studies in Venezuela. E. V. Demushkina. Vop. ist. 38 no. 7:200-202 Jl '63.

VENOM

Electrophoretic fractionation of snake venom on agar gel. IA. Daviatov. Uzb. biol. zhur. 7 no. 3:45-49 '63.

VENTILATION—EQUIPMENT AND SUPPLIES

Use of vinyl plastics instead of metal in ventilation systems. V. P. Samoilov. Tekst. prom. 23 no. 8 84-85 Ag '63.

VENTILATION—STUDY AND TEACHING see subdivision under Minsk

VENUS (PLANTS)

Radar observations of Venus in the Soviet Union during 1962. V. A. Kotel'nikov and others. Dokl. AN SSSR 151 no. 3 532-535 Jl '63.

VERKHOYANSK RANGE REGION—INDIUM

Indium in lead-zinc deposits in the southern Verkhoyansk Range region. B. L. Flerov, D. A. Dorofeev. Trudy IAFAN SSSR. Ser. geol. no. 10 39-48 '63.

VERMICULITE

New commercial type of vermiculite deposits. P. P. Borovikov. Trudy VSEGEI 83 71-81 '62.

Reaction of the substitution of magnesium and aluminum ions for hydrogen ions in vermiculite [with summary in English]. V. M. Nikolaev, V. I. Baptrotsev, V. M. Lebedev. Pochvovedenie no. 8 68-72 Ag '63.

VERNADSKII, VLADIMIR IVANOVICH, 1863-1945

Development of V. I. Vernadskii's theories. A. P. Vinogradov. Pochvovedenie no. 4 1-10 Ap '63.

V. I. Vernadskii and modern mineralogy. [illegible] Min. syr'e no. 7 7-10 '63.

V. I. Vernadskii and the study on the content of trace elements in soils. IA. V. Peive. Pochvovedenie no. 8 21-39 Ag '63.

V. I. Vernadskii as naturalist. K. P. Florenskii. Biul. MOIP. Otd. geol. 38 no. 4 111-119 My-Je '63.

V. I. Vernadskii; 100th anniversary of his birth. A. P. Vinogradov. Geokhimiia no. 3 195-198 Mr '63.

Vladimir Ivanovich Vernadskii on the 100th anniversary of his birth. A. A. Saukov. Biul. MOIP. Otd. geol. 38 no. 3 99-110 My-Je '63.

VETCH see subdivision under Turkmenistan

VETERANS, DISABLED—MEDICAL CARE

Late results of treatment of invalids of the Patriotic War with sequelae of combat traumatism. L. Z. Kheifets, E. M. Morozova. Sov. zdrav. 22 no. 6 50-54 '63.

VETERINARY ANATOMY

Voronezh. Zooveterinarnyi institut. Kafedra patologicheskoi anatomii. [Concise methodological manual for a practical course in pathological anatomy] Kratkoe metodicheskoe posobie po prakticheskomu patologicheskoi anatomii. *Voronezh, 1956-* 1 v.

VETERINARY HELMINTHOLOGY

Pathogenetic therapy and nonspecific prevention of helminthiases in farm animals. K. M. Filatov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 5 62-66 My '63.

VETERINARY LABORATORIES

[Veterinary laboratory practice] Veterinarnaia laboratornaia praktika. Moskva, Sel'khozizdat.

Vol. 1. [General microbiological methods of investigation] Obshchie mikrobiologicheskie metody issledovaniia. 1963. 566 p.

Vol. 2. [Biochemical, chemico-toxicological, and veterinary hygienic methods of investigation] Biokhimicheskie, khimiko-toksikologicheskie i zoogigienicheskie metody issledovaniia. 1963. 431 p.

(DNAL)

VETERINARY MEDICINE

Karev, V. P. [Notes of a veterinarian] Zapiski veterinarnogo vracha. [Moskva] Moskovskii rabochii, 1963. 45 p. (Liudi, dela, plany)

(DNAL)

Prevention and treatment of gastrointestinal diseases of calves. Inform. biul. VIEVKH no. 42 3-4 Jl '63.

VETERINARY MEDICINE—ABSTRACTS

[Animal husbandry. Veterinary medicine] Ref. zhur.: Zhiv. Vet. nos. 19-20 O '63.

VETERINARY PARASITOLOGY see subdivision under Kazakhstan

VIBRATION

Effect of high-frequency perturbations on resonance vibrations in a nonlinear system. M. Z. Kolovskii. Trudy LPI no. 226 7-17 '63.

Free nonlinear vibrations of circular arches. A. I. Obolenko. Izv. vys. ucheb. zav., stroi. i arkhit. 6 no. 2:12-19 '63.

Gashkin, V. F., and O. K. Postnikov. [Controlling noise and vibrations] Bor'ba s shumom i vibratsiei, tema V. Uchebnoe posobie po kursu "Tekhnika bezopasnosti" dlia studentov zaochnogo i vechernego otdelenii. Moskva, Mosk. poligr., in-t, 1963. 22 p.

Makhnovich, A. T. [Safety manual for workers subjected to vibrations while servicing equipment] Pamiatka po tekhnike bezopasnosti dlia rabochikh, podvergaiushchikhsia vibratsii pri obsluzhivanii oborudovaniia. Izd. 2., perer. i dop. Moskva, Gosstroiizdat, 1963. 29 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

Taking into consideration weak flexible connections in calculating vibrations of linear conservative systems. V. A. Troitskii. Trudy LPI no. 226 62-69 '63.

VIBRATIONS (MARINE ENGINEERING)

Approximate calculation of the lower frequency of free vibrations in pipelines. IU. S. Kriuchkov, S. K. Chernov. Sudostroenie 29 no. 5 23-25 My '63.

VIBRATORS

A book about vibratory machines. F. Simonian, O. Mantrosian. Prom. Arm. 8 no. 7 77-78 Jl '63.

Principles for designing pneumatic shock absorbers for vibratory machines. V. N. Poturaev, V. P. Franchuk. Vop. rud. transp. no. 7 141-150 '63.

Self-oscillations of an electromechanical vibrator. S. S. Korablev. Izv. vys. ucheb. zav., elektromekh. 6 no. 6 723-729 '63.

VIBRATORS (Continued)

Stability of the performance of vibratory machines with pneumatic ball vibrators under resonance conditions. M.M. Felen'kii. Vest. mashinostr. 43 no. 8 11-13 Ag '63

VIETNAM—DESCRIPTION AND TRAVEL

Gifts of a nonprovincial. Pda Fuzhunua. Vokrug sveta no. 1 62 Ja '63

VIETNAM—HISTORY

Akademiia nauk SSSR. Institut narodov Azii. [Recent history of Vietnam] Noveishaia istoriia Vietnama, sbornik statei. Moskva, Izd-vo vostochnoi lit-ry, 1963. 194 p.

VIETNAM, NORTH—COMMUNIST PARTY

Workers' Party of Vietnam. 3d, Congress, Hanoi, 1960. [Third Congress of the Workers' Party of Vietnam, Hanoi, September 5-12, 1960] III s"ezd Partii trudiashchikhsia Vietnama, Khanoi, 5-12 sentiabria 1960 goda. Moskva, Gospolitizdat, 1961. 303 p. (Dokumenty i materialy zarubezhnykh kommunisticheskikh i rabochikh partii)

(CSt-H) (MH)

VIETNAM, NORTH—ECONOMIC ASSISTANCE, RUSSIAN

Some problems of the economy of North Vietnam. Z. Zvezdin. Nov. vrem. 21 no. 36:10-11 S '63.

VIETNAM, NORTH—ECONOMIC CONDITIONS

Some problems of the economy of North Vietnam. Z. Zvezdin. Nov. vrem. 21 no. 36:10-11 S '63.

VIETNAM, NORTH—MATHEMATICS—STUDY AND TEACHING

Elements of mathematical analysis in secondary schools of the Democratic Republic of Vietnam. Fam Van Khoan. Mat. v shkole no. 4:81-83 Jl-Ag '63

VIETNAM, SOUTH—FOREIGN RELATIONS—UNITED STATES

Washington's Indochina chimeras. Iu. Bochkarev. Nov. vrem. 21 no. 36:6-8 S '63.

What the British think about the policy of the United States. Konni Zilliacus. Nov. vrem. 21 no. 36:16-17 S '63.

VIETNAM, SOUTH—POLITICS AND GOVERNMENT

A letter from South Vietnam. Nguyen Minh Tan. Mol. kommun. no. 7 108-111 Jl '63

Our commentaries: The tragedy of South Vietnam. Nov. vrem. 21 no. 35:10 Ag '63.

Washington's Indochina chimeras. Iu. Bochkarev. Nov. vrem. 21 no. 36:6-8 S '63.

Washington's South-Vietnamese knot [with English summary in insert]. Z. Mirskii. Az. i Afr. segodnia no. 8:20-24 Ag '63.

VILNIUS—CONSTRUCTION INDUSTRY—CONGRESSES

Ekonomicheskaia konferentsiia, Vilna, 1962. [Economics of the construction industry in Vilnius] Ekonomika stroitel'stva v g. Vilnius, materialy. Vilnius, Gos. izd-vo polit. i nauchn. lit-ry, 1963. 118 p.

VILNIUS—ELECTRIC EQUIPMENT INDUSTRY

For the good of our beloved country. A. Laucha'ita. NTO 5 no. 6 17-19 Je '63.

VILNIUS—UNIVERSITIES AND COLLEGES

Bulavas, J., ed. [Vilnius University] Vilniaus universitetas. [By] L. Vladimirovas ir kiti. Vilnius, Valstybine politines ir mokslines literatures leidykla, 1956. 109 p. [In Lithuanian]

VILYUY VALLEY—DIAMONDS

Diamond potential of the Jurassic of the southern Angara-Vilyuy trough. L. N. Zveder. Dokl. AN SSSR 151 no. 1 158-160 Jl '63

VINCANINE

Hypotensive action of the alkaloid vincanine. M. B. Sultanov, T. Saidkasymov. Farm. i alk. no. 1 36-41 '62.

Pharmacology of the quaternary base of vincanine hydroxymethylate. E. B. Baibekov, M. B. Sultanov. Farm. i alk. no. 1 108-114 '62.

Pharmacology of the quaternary base of vincanine hydroxyethylate. M. B. Sultanov, E. B. Baibekov. Farm. i alk. no. 1 115-120 '62.

VINCANINE—PHYSIOLOGICAL EFFECT

Effect of derivatives of vincanine on neuromuscular conduction. A. A. Vakhabov, M. B. Sultanov. Farm. i alk. no. 1 133-137 '62.

Effect of vincanine hydroxypropylate (OPV) on arterial blood pressure and respiration. A. A. Vakhabov, M. B. Sultanov. Farm. i alk. no. 1 127-132 '62.

Effect of vincanine, its quaternary bases and vinkanidin on the intestinal musculature. M. B. Sultanov, E. B. Baibekov. Farm. i alk. no. 1 121-126 '62.

VINE CROPS—DISEASES AND PESTS

Vine crop aphid. K. A. Mamaev. Zashch. rast. ot vred. i bol. 8 no. 7:55 Jl '63

VINNITSA—MOTORBUS LINES

The bus has started the route. A. Shkaraputa, M. Shargorodskii. Sov. profsoiuzy 19 no. 13:27-28 Jl '63.

VINNITSA—TRADE UNIONS

The bus has started the route. A. Shkaraputa, M. Shargorodskii. Sov. profsoiuzy 19 no. 13:27-28 Jl '63.

VINNITSA PROVINCE—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

Special repair brigades on collective farms. L. Maksimov, D. Bluvshtein, V. Kovnatskii. Tekh. v sel'khoz. 23 no. 5 61-63 My '63

VINNITSA PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Our mass political work should be well-planned and effective. A. Olenik. Kommun. Ukr. 38 no. 6:46-51 Je '63

VINNITSA PROVINCE—GEOGRAPHY—STUDY AND TEACHING

Work training of students in the process of teaching geography. P. M. Lebedev. Rad. shk. 42 no. 7 74-76 Jl '63.

VINYL ACETATE

Cyclic polymerization and copolymerization. Part 14: Cyclic copolymerization of aliphatic divinylacetals with vinyl acetate [with summary in English]. S. G. Matsoian, M. G. Voskanian, A. A. Cholakian. Vysokom. soed. 5 no. 7:1035-1041 Jl '63.

VINYL ACETATE POLYMERS

Chemistry of carbazole derivatives. Part 3: Vinylation of carbazole with vinyl acetate and the synthesis of a 9-vinylcarbazole polymer. V. P. Lopatinskii, L. E. Sirotkina. Izv. TPI 111 11-15 '61

VINYL ALCOHOL POLYMERS

Interaction of polyvinyl alcohol with sulfur monochloride. N. Sh. Ismatov, P. P. Larin, B. I. Akhodzhaev. Uzb. khim. zhur. 7 no. 3 57-63 '63

Preparation of tetrahydroxypyrylium ethers of polyvinyl alcohol. L. A. Sapozhnikova, A. S. Sultanov. Uzb. khim. zhur. 7 no. 3 37-42 '63

Synthetic fibers made from polyvinyl alcohol. K. E. Perepelkin, M. D. Perepelkina. Tekst. prom. 23 no. 8 27-31 Ag '63.

VINYL COMPOUND POLYMERS

Cyclic polymerization and copolymerization. Part 14: Cyclic copolymerization of aliphatic divinylacetals with vinyl acetate [with summary in English]. S. G. Matsoian, M. G. Voskanian, A. A. Cholakian. Vysokom. soed. 5 no. 7:1035-1041 Jl '63.

Polymerization of vinyl alkyl esters of dicarboxylic acids [with summary in English]. G. N. Freidlin and others. Vysokom. soed. 5 no. 7:1008-1011 Jl '63.

VINYL COMPOUNDS

Anionic copolymerization of acrylonitrile with vinyl monomers at low temperatures [with summary in English]. M. A. Askarov, S. N. Trubitsyna. Vysokom. soed. 5 no. 8 1235-1249 Ag '63

Polymeric materials for the optical polarization method of stress determination. Part 1. Polymerization products in a ternary system of vinyl monomers and methods for the study of their thermomechanical properties [with summary in English]. S. I. Sokolov, T. V. Shamraevskaia, N. A. Shchegolevskaia. Vysokom. soed. 5 no. 8 1250-1254 Ag '63.

Polymerization of some vinyl monomers initiated by complexes of potassium silanolates with Lewis bases [with summary in English]. M. Kuchera. Vysokom. soed. 5 no. 6 936-945 Je '63.

Radiation polymerization of vinyl fluoride [with summary in English]. Kh. U. Usmanov and others. Vysokom. soed. 5 no. 8 1277 Ag '63.

VINYL ETHER

Radical copolymerization of vinyl ether of m-aminophenol and methyl methacrylate [with summary in English]. M. F. Shostakovskii, G. G. Skvortsova, M. IA. Samoilova. Vysokom. soed. 5 no. 7:966-968 Jl '63.

Reactivity of vinyl ethers in copolymerization [with summary in English]. A. M. Khomutov. Vysokom. soed. 5 no. 8 1121-1126 Ag '63.

VINYL POLYMERS

Use of vinyl plastics instead of metal in ventilation systems. V. P. Samoilov. Tekst. prom. 23 no. 8:84-86 Ag '63.

VIRGIN TERRITORY—AGRICULTURE

The ninth harvest in the Virgin Territory. S. Khabarov. Mol. kommun. no. 6:54-57 S '62.

VIRGIN TERRITORY—AGRICULTURE—STUDY AND TEACHING

Should an agriculturist also be a lecturer? I. Shitikova. Part. zhizn' Kazakh. 33 no. 7:73-74 Jl '63.

VIRGIN TERRITORY—BIRCH—DISEASES AND PESTS

Aerosol method for controlling sawflies, pests of birch in the Virgin Territory. Iu. A. Gulapin. Vest. sel'khoz. nauki [Kazakh.] 6 no. 5:88-90 My '63.

VIRGIN TERRITORY—PINE—DISEASES AND PESTS

Controlling the desiccation of pine needles during the dormant period. A. P. Unovidov. Les. khoz. 16 no. 2:55-57 F '63.

VIRGIN TERRITORY—SAWFLIES—EXTERMINATION

Aerosol method for controlling sawflies, pests of birch in the Virgin Territory. Iu. A. Gulapin. Vest. sel'khoz. nauki [Kazakh.] 6 no. 5:88-90 My '63.

VIRGIN TERRITORY—SOLONETZ SOILS

Genetic characteristics of Solonetz-type and carbonate-rich Solonetz soils in the Virgin Territory [with summary in English]. I. D. Gromyko and others. Izv. TSKhA no. 3:122-141 '63.

VIRGIN TERRITORY—WEED CONTROL

Role of herbicides in the intensification of agriculture in virgin lands [with summary in English]. N. A. Saelun. Izv. TSKhA no. 3:21-31 '63.

VIRGIN TERRITORY—WHEAT

Role of herbicides in the intensification of agriculture in virgin lands [with summary in English]. N. A. Saelun. Izv. TSKhA no. 3:21-31 '63.

VIRILISM

Pathogenesis and diagnosis of virilism. N. I. Starkova. Kaz. med. zhur. no. 3 53-58 My-Je '63

VIRUS DISEASES OF PLANTS

(see also subdivision under Czechoslovakia)

Conference on virus diseases of plants. G. M. Razviazkina. Zashch. rast. ot vred. i bol. 8 no. 5:60-61 My '63.

Some patterns of the luminescence of plant tissues during viral lesions of the necrotic type. Iu. I. Vlasov, T. I. Larina. Nauch. dokl. vys. shkoly, biol. nauki no. 3:166-170 '63.

VIRUS RESEARCH

Latent infections of monkeys caused by a group of viruses pathogenic to man, including the virus of Aujeszky's disease. V. I. Gavrilovich, N. N. Dodonova, V. R. Arkhipova. Trudy VNIIVS 14:77-83 '59

Rapid method for the adaptation of foot-and-mouth disease virus to guinea pigs. E. A. Bobyleva. Trudy VNIIVS 14:73-76 '59.

Solov'ev, V. D., and T. A. Bektemirov. [Tissue cultures in virology] Tkanevye kul'tury v virusologii. Moskva, TSentr. in-t usovershenstvovaniia vrachei, 1963. 197 p.

Use of the method of adsorption on erythrocytes in the study of tumor viruses and specific tumor antigens. L. A. Liudogovskaia, L. V. Shershul'skaia. Vop. onk. 9 no. 2:118-126 '63.

VIRUSES

Granulosis virus in controlling the tent caterpillar Dendrolimus sibiricus. V. P. Luk'ianchikov. Les. khoz. 16 no. 2:57-58 F '63

VISCERA—INNERVATION

Participation of the reticular formation in the conduction of interoceptive impulses to the cerebral and cerebellar cortex [with summary in English]. N. V. Bratus'. Vrach. delo no. 6:72-75 Je '63.

VISCOSITY

Consecutive pumping of petroleum products controlled by their viscosity. S. A. Bobrovskii, N. M. Terekhova. Transp. i khran. nefti no. 1:19-22 '63.

Effect produced by chemical interaction in binary systems on the viscosity isotherms convex with respect to the composition axis [with summary in English]. Iu. IA. Fialkov. Zhur. fiz. khim. 37 no. 8:1757-1762 Ag '63.

VISHNEVSKII, ALEKSANDR VASIL'EVICH, 1874-1948

Aleksandr Vasil'evich Vishnevskii. I. A. Zinov'ev. Fel'd. i akush. 28 no. 2:47-52 F '63.

VISHNEVYYE MOUNTAINS—ZIRCON

ZrO_2/HfO_2 ratio in zircons from the alkali complex in the Vishnevyye and Il'men Mountains [with summary in English]. E. B. Khalezova, L. I. Sosnovskaia. Geokhimiia no. 1:68-78 Ja '63.

VISION

Change in the bioelectric activity of the cortex of a rabbit after the exclusion of visual reception [with summary in English]. A. S. Batuev. Vest. LGU 18 no. 15:98-111 '63.

Extinction of reactions to sensory stimuli in a single neuron of the visual cortex in an unanesthetized rabbit [with summary in English]. O. S. Vinogradova, D. I. Lindsley. Zhur. vys. nerv. deiat. 13 no. 2 207-217 Mr-Ap '63.

Investigating the vision of patients before the extraction of cataracts [with summary in English]. A. V. Roslavtsev. Uch. zap. GNII glaz. bol. no. 8:13-16 '63.

VISITORS, HUNGARIAN

Hungarian lawyers have visited the Soviet Union. Sots. zakon. 40 no. 7 73-74 Jl '63

VISUAL DISCRIMINATION

Device for determining the discriminable frequency of light flashes. G. P. Murolubov, V. V. Lepeshkin. Zhur. vys. nerv. deiat. 13 no. 2 371-372 Mr-Ap '63

VITAMINS

Korochkina, N. I. [Vitamin content of feed yeasts and methods for its determination] Soderzhanie i metod. opredeleniia vitaminov v kormovykh drozhzhakh Moskva, TSentr. nauch.-tekhn. informatsii i ekon. issl po lesnoi, bumazhnoi i derevoobrabat. promyshl., 1963 39 p. (Gidroliz i lesokhimiia) [MICROFILM]

[illegible]

VITAMINS-C see Ascorbic acid

VITAMINS—P
Effect of synthetic derivatives of esculetin into vitamin P ... on vascular permeability and strength [with summary in English] L. N. Rufakova. Uch. zap. Inst farm i khimioter. AMN SSSR 3 319-335 '63

VITICULTURE see subdivision under Kirghizistan

VITREOUS HUMOR
Cases of ... hemorrhage into the vitreous body [with summary in English]. G. A. Petropavlovskaia. Uch. zap. GNII glaz. bol. no. 9 55-61 '63

VLADIMIR PRINCIPALITY—HISTORY
Mark Ivanovich's chronicle and the chronology of historical events in the Great Principality of Vladimir in the first half of the 13th century. A. N. Nasonov. Probl istoch. no. 11 423-490 '63

VLADIMIR PROVINCE—FINANCE
First results. V. Demchenko. Fin SSSR 37 no. 8 68-72 Ag '63

VLAK, SIGIZMUND NATANOVICH, 1887-
Sigizmund Natanovich Valk, on his 75th birthday. S. S. Volk, M. P. Irosh... Probl istoch no. 11:524-527 '63.

VOCATIONAL EDUCATION
(see also subdivision under Bashkiria, Donets Basin; Gorky Province; Krasnoyarsk Territory, Kuybyshev; Kuznetsk Basin, Leningrad, Moscow; Sverdlovsk Province, Tula, Ukraine, Volgograd)

Basic trend. F. I. Afanasenko. Shkola i proizv 7 no. 8:7-17 Ag '63.

Communist party and work education of youth. Shkola i proizv. 7 no. 8:2-4 Ag '63

Content of vocational instruction in secondary schools. M. A. Zhidelev, L. S. Figaro. Sov. pedag. 27 no. 8 55-65 Je '63.

Day by day attention should be given to the education of youth. N. Ivan'kovich. Agitator no 12 29-33 Je '63.

Laboratory practice on automatic brakes. I. Bazhov. Prof.-tekh. obr. 20 no. 8:6-8 Ag '63.

Let's carry out the decisions of the June Plenum of the Central Committee of the CPSU. Prof.-tekh. obr. 20 no. 8:3 Ag '63.

Let's give extensive industrial specialization to our graduates. F. M. Sidorov. Shkola i proizv. 7 no. 8:40-41 Ag '63

Let's give more attention to the industrial training of students. V. V. Efremov. Shkola i proizv 7 no 8:17-23 Ag '63.

Let's study the problems of industrial training more thoroughly. A. A. Vasil'ev. Shkola i proizv. 7 no 8:45-47 Ag '63.

Main question. V. I. Kochemasov. Shkola i proizv 7 no. 8:6-7 Ag '63.

The master relates about his search. B. Orlov. Prof.-tekh. obr. 20 no. 8:9-13 Ag '63.

Specialized training in the senior grades of secondary schools with vocational instruction, regulation of the Presidium of the Academy of Pedagogical Sciences of the R. S. F. S. R. of April 17, 1963. Sov. pedag. 27 no. 7 141 Jl '63.

Students at a plant. A. I. Engovatov Shkola i proizv 7 no. 8:42 Ag '63.

System of homework assignments on the subject "Tractors." E. Kraevskaia. Prof.-tekh. obr. 20 no. 8:24-25 Ag '63.

Technical conference. M. M. Breger. Vech. sred. shkola 6 no. 3 95-96 My-Je '63.

Urgent problems of industrial training. N. A. Kislov. Shkola i proizv. 7 no. 8:39-40 Ag '63.

We help teachers and instructors. P. Titov. Prof.-tekh. obr. 20 no. 8:28 Ag '63.

Well organized beginning of the school year is a guaranty of success. B. Mal'tsev. Prof.-tekh. obr. 20 no. 8:1-3 Ag '63.

VOCATIONAL EDUCATION—EQUIPMENT AND SUPPLIES
Statute on training workshops, sections, lines, long walls, and training yards for the industrial training of secondary general school students. Shkola i proizv 7 no. 8:65-69 Ag '63.

VOICE
Classification of spastic aphonias. I. Kiml. Vest. otorin. no. 1 74-78 '63

VOLCANIC ASH, TUFF, ETC see subdivision under Ural Mountains

VOLCANOES
(see also subdivision under Crimea)

Lebedinskii, V. I [Volcanoes, menacing phenomenon of nature] Vulkany – groznoe iavlenie prirody Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963. 106 p. (Nauchno populiarnaia literatura)

VOLGA RIVER—MERCHANT MARINE—PASSENGER TRAFFIC
Expansion of passenger traffic on the Volga. A. Medvedev. Rech. transp. 22 no. 6:7 Je '63.

VOLGA RIVER—MERCHANT MARINE—SIGNALING
Complex use of light pulse flagging-off signals and microwave radio stations on ships of the United Volga Steamship Lines. N Galashov, I. Pospelov. Rech. transp 22 no. 7 41-43 Jl '63.

VOLGA-URAL REGION—GAS, NATURAL—GEOLOGY
Oil and gas zones in the southeastern Volga-Ural region and types of oil and gas pools. V. A Klubov, M. F. Svishchev. Geol. nefti i gaza 7 no. 6 14-21 Je '63.

VOLGA-URAL REGION—GERBILS
Effect of unfavorable living conditions on Meriones meridianus Pall. and M. tamariscinus Pall. of the south-western part of the Volga-Ural sands (with summary in English) N. N. Fropin Zool zhur 42 no. 8:1252-1256 '63.

VOLGA-URAL REGION—PETROLEUM GEOLOGY
Oil and gas zones in the southeastern Volga-Ural region and types of oil and gas pools. V. A. Klubov, M. F. Svishchev. Geol. nefti i gaza 7 no. 6 14-21 Je '63.

VOLGA-URAL REGION—SALT DOMES
Outlook for finding oil and gas pools in sediments overlying salt deposits in the Volga-Ural interfluve. A. G. Zlizina, E. K. Kan. Geol. nefti i gaza 7 no. 6:8-14 Je '63.

VOLGA VALLEY—APPLE—DISEASES AND PESTS
Study of some agricultural practices to control the rosette and fine-leaf tendency of apple trees under the prevailing conditions of the Volga Valley. V. M. Tarasov. Dokl. TSKHA no. 62 461-466 '61.

VOLGA VALLEY—HEDGE MUSTARD
Conditions of seed germination of the Volga hedge mustard (Sisymbrium wolgense M. B.). V. A Sharova Nauch. dokl. vys shkoly. biol nauki no. 3.112-116 '63

VOLGA VALLEY—METEOROLOGY, AGRICULTURAL
Linear growth of winter rye during the heading-flowering period in the middle and lower Volga Valley and the agrometeorological conditions of this period. E. K. Mamchenko. Trudy TSIP no. 131:122-129 '63.

VOLGA VALLEY—PARTICLE SIZE DETERMINATION
Particle-size distribution of Bashkiria and Vereya sandstones of the Volga-Don region. V. S. Vyshemirskii, V. A Krotova. Dokl. AN SSSR 151 no. 1:185-188 Jl '63.

VOLGA VALLEY—PEASANTRY
Records on the search of runaway serfs and slaves as a source for the history of the taxpaying population of rural areas in the Volga Valley in the second half of the 17th century. N. A. Baklanova. Probl. istoch no. 11:307-321 '63.

VOLGA VALLEY—RYE
Linear growth of winter rye during the heading-flowering period in the middle and lower Volga Valley and the agrometeorological conditions of this period. E. K. Mamchenko Trudy TSIP no 131:122-129 '63.

VOLGA-VYATKA ECONOMIC REGION—FINANCE
In the effort to increase accumulations. A. Krasnolobov. Fin SSSR 37 no. 8.51-55 Ag '63.

VOLGOGRAD—STEEL INDUSTRY
Under public control. V. Danilin. NTO 5 no. 6:51-52 Je '63.

VOLGOGRAD—TRACTOR INDUSTRY
Stalingradskii traktornyi zavod imeni Dzerzhinskogo [The millionth tractor, on the occasion of the 30th anniversary of the Stalingrad Tractor Plant] Millionnyi traktor; k 30-letiiu Stalingradskogo traktornogo zavoda (1930-1960). [Stalingrad] Stalingradskoe knizhnoe izd-vo, 1960. 94 p.

VOLGOGRAD—VOCATIONAL EDUCATION
Students at the Volgograd Tractor Plant. S. A. Shuvalov. Shkola i proizv. 7 no. 8:33-34 Ag '63.

VOLGOGRAD PROVINCE—AGRICULTURE—STUDY AND TEACHING
Volgograd student brigades. N. N. Demidov. Sov pedag. 27 no. 6:49-54 Je '63.

VOLGOGRAD PROVINCE—FIELD CROPS
Stubble crops in Volgograd Province. A. M. Gavrilov. Zemledelie 25 no. 7.45-47 Jl '63.

VOLGOGRAD PROVINCE—GUIDEBOOKS
Penelin, E., comp. [Historical places of the city and province of Volgograd, a guidebook] Po istoricheskim mestam Volgograda i oblasti, putevoditel'. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1962. 101 p (MIl)

VOLGOGRAD PROVINCE—STATE FARMS—MANAGEMENT
The profitability of the state farm is growing. ... sov. Part. zhizn' no. 17:32-... '63.

VOLGOGRAD PROVINCE—STATISTICS
Volgograd (Province) Statisticheskoe upravlenie [The economy of Volgograd Province; statistical abstract] Narodnoe khoziaistvo Volgogradskoi oblasti; statisticheskii sbornik Saratov, Gosstatizdat TSU SSSR, 1962. 270 p (MII)

VOLLEYBALL
Team play in attack and defense in volleyball. I. A. ...dishvili, I. M. Shorokhova. Sbor. trud. Gruz. gos. inst. fiz. kul't. 5 230-247 '62.

Use of the weaker hand in teaching and improving the attacking hit in volleyball. I. A. Nikolaishvili. Sbor. trud. Gruz. gos. inst. fiz. kul't. 5:231-230 '62

VOLNOVAKHA DISTRICT—HARVESTING
Harvesting is a merry season of busy work. ... no. 15:1 Jl '63.

VOLOGDA PROVINCE—CRIMINAL INVESTIGATION
How we organized the work of our criminal investigation department. U. Gladyshev Sots. zakon. ... 36 Jl '63

VOLOGDA PROVINCE—EDUCATION, ELEMENTARY
In the Ministry of Education of the R. S. F. S. R. Nach. shkola 31 no. 10:89 O '63.

VOLTAGE REGULATORS
Contactless automatic voltage regulators for ... loaded transformers. E. L. Stroitinskii and others. Elektrichestvo 7:4-12 Jl '63.

Regulator of the parallel operation of two mounted direct current generators with self excitation. I. P. Nikol'shpurg. Sudostroenie 29 no. 7.38-41 Jl '63

Transistor voltage stabilizers for the power supply of electronic networks. M. B. Leitman. Izv. vys. ucheb. zav., elektromekh. 6 no. 8:982-989 '63.

Voltage stabilizer for motor-operated autotransformer ... G. E. Pletenetskii, S. A. Gutka. Prib. i tekh. eksp no. 3:179-181 My-Je '63.

VOLYN' PROVINCE—WATER, UNDERGROUND
Hydrochemical anomalies in the Volyn'-Podolian artesian basin. I. I. TSapenko. Geol. zhur. 23 no. 3.50-6... '63

VONSENITE
Hydrothermal synthesis of minerals of the ludwigite-vonsenite series. A. P. Grigor'ev, I. IA. Nekrasov. Dokl. AN SSSR 151 no. 3:671-674 Jl '63.

VORKUTA REGION—WEEDS
Characteristics of ruderal plants and weeds in Vorkuta and its vicinity. P. V. Dorogostaiskaia. Bot. zhur. no. 7 1015-1021 Jl '63.

VORONEZH—ACCOUNTING—STUDY AND TEACHING
There is a need to exchange practice. M. Z. Pizengolts Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 8:35-41 Ag '63.

VORONEZH PROVINCE—ASPEN
Age of reforestation cuttings in aspen forests of the forest-steppe. I. N. Elagin. Les. khoz. 16 no. 2:8-9 F '63.

VORONEZH PROVINCE—COMMUNIST YOUTH LEAGUE
Reorganization does not mean a mere change of signs. N. Deriabin. Komsom. zhizn' no. 15/16:44-46 Ag '63.

VORONEZH PROVINCE—FOLK SONGS
Lazutin, S. G., ed. [Voronezh folk songs, a collection of folklore written down by students] Voronezhskie narodnye pesni; sbornik fol'klornykh zapisei studentov. Voronezh, Izd-vo Voronezhskogo univ. 1962. 151 p (NIC)

VORONEZH PROVINCE—GEOLOGY, STRATIGRAPHIC
Stratigraphy of the Middle Carboniferous of the southern slope of the Voronezh massif. D. E. Aizenberg, N. ... Brazhnikova, P. D. Poltovskaia. Dokl. AN SSSR 151 no. 5:1153-1156 Ag '63.

VORONEZH PROVINCE—REFORESTATION
Age of reforestation cuttings in aspen forests of the forest-steppe. I. N. Elagin. Les. khoz. 16 no. 2:8-9 F '63.

VOROVSKII, VATSLAV VATSLAVOVICH, 1872-1923
Semenovskii, O. V. [V. Vorovskii in Odessa] V. Vorovskii v Odesse. [Odessa] Odesskoe kn-vo, 1962. 116 p

VORU DISTRICT—DIAGNOSIS, FLUOROSCOPIC

Experience in fluorographic examination of the population [with summary in French] E. O Kongo Probl tub 41 no. 3 6-7 '63

VOSTOK (MANNED SATELLITE)

Flights of the spaceships "Vostok-5" and "Vostok-6." V. I. Idzdovskii, V. G. Denisov. Vest. AN SSSR 33 no 9 17-22 S '63.

VOTKINSK RESERVOIR—PIERS

Prefabricated reinforced concrete piers at the Votkinsk Reservoir G I Shenderei Transp. stroi 13 no 6 38-40 Je '63.

VOYAGES AROUND THE WORLD

Kruzenshtern's plan for a voyage around the world; based on new archive materials. E G. Kushnarev. Izv. Vses. geog. ob-va 95 no. 1:339-347 Ja-Ag '63.

VUL, BENTSION MOISEEVICH, 1903-

Bentsion Moiseevich Vul, on his 60th birthday. V. S. Vavilov. Usp. fiz. nauk 80 no. 4 703-705 Ag '63.

VULCANIZATION

Chemical modification of vulcanizates. Part 2: Reaction of crushed vulcanizates with p-tert-butylphenyl formaldehyde resin [with summary in English]. V. S. Al'tzitser and others. Vysokom. soed. 5 no. 7:1059-1061 Jl '63.

Effect of thio derivatives of amines and phenols on the course of thermomechanical treatment and on fatigue of vulcanizates [with summary in English]. Z. N. Tarasova and others. Vysokom. soed. 5 no. 6: 892-899 Je '63.

Nonsulfur vulcanization of some synthetic rubbers. Part 4. Effect of the nitrile group content on the thermal vulcanization of butadiene nitrile rubbers [with summary in English]. N. D. Zakharov. Vysokom. soed. 5 no. 8:1190-1195 Ag '63.

Role of sulfur in the vulcanization of polychloroprene rubbers [with summary in English]. N. D. Zakharov and others. Vysokom. soed. 5 no. 6:910-913 Je '63.

Role of zinc oxide in the vulcanization of rubbers by tetramethylthiuram disulfide [with summary in English]. R. Sh. Frenkel', A. S. Kuz'minskii. Vysokom. soed. 5 no. 6:834-836 Je '63.

VYATSKIYE POLYANY—INDUSTRIAL MANAGEMENT

Economic council at work. I Novoselov. Fin. SSSR 37 no. 8:83-84 Ag '63.

WAGES

Follow up of our materials. Sots. trud 8 no. 6:137-138 Je '63.

Gvozdev, N. N. [Each for society, society for each; a popular story on the law of distribution in the period of transition from the socialist to the communist economy] Kazhdyi - obshchestvu, obshchestvo - kazhdomu, populiarnyi rasskaz o zakone raspredeleniia v period perekhoda ot sotsialisticheskoi ekonomiki k kommunisticheskoi. Moskva, Ekonomizdat, 1963. 62 p.

In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the All-Union Central Council of Trade Unions. Sots. trud 8 no. 6:152 Je '63.

Judicial practice in cases concerning the refusal to pay the wages. V. Rainets. Sov. just. no. 9:5-7 My '63.

Participation of trade unions in the regulation of wages. S. S. Karinskii. Izv. vys. ucheb. zav.; prav. 7 no. 2: 59-69 '63.

WAGES—CONSTRUCTION WORKERS

Mitin, S. A., M. I. Borodin, and N. A. Naumov. [Tables for determining wages in a construction brigade] Tablitsy dlia vnutribrigadnogo rascheta zarabotnoi platy v stroitel'stve. Moskva, Gosstroiizdat, 1963, 530 p.

Unsettled problems in issuing bonuses to the workers of design and planning organizations. N. Shteinpress Sots. trud 8 no. 6:50-51 Je '63

Zhukovskii, A. I. [Establishing wage norms and work compensation in the construction industry] Tarifnoe normirovanie i oplata truda v stroitel'stve; uchebnoe posobie. Moskva, Mosk. zaochnyi stroit. tekhnikum transport. stroit., 1962. 67 p.

[MICROFILM]

WAGES—LONGSHOREMEN

Timely question. E. Bol'menko. Mor. flot 23 no. 5:13 My '63.

WAGES—MACHINERY INDUSTRY WORKERS see subdivision under Tambov

WAGES—STATISTICS

Sampling study of industrial and construction workers' wages. P. Labok. Vest. stat. no. 8:41-48 '63.

WAGES—TABLES, CALCULATIONS, ETC.

Bergauz, L. A. [Practical aid for computing various supplementary wage payments to workers and employees] Prakticheskoe posobie po nachisleniiu raznykh doplat k zarabotnoi plate rabochikh i sluzhashchikh. Moskva, Gosgortekhizdat, 1963. 150 p.

WAGES AND LABOR PRODUCTIVITY

Correlation analysis between the rates of the increase of labor productivity and wages. I K Borshchev Uchet i fin. v kolkhoz i sovkhoz 20 no. 8 28-30 Ag '63

Planning problems and the analysis of labor productivity and wages R. Kristal', M Starovetov, K Sergeev Muk. -elev prom 29 no 3 13-14 Mr '63

WAGNER, RICHARD, 1813-1883

Music of Richard Wagner and Russian musicians. B. Levik. Kul't. i zhizn' 7 no. 5,40-42 '63.

Richard Wagner. Warner Beyer. Zhen. mira no. 5:25-27 '63

Richard Wagner. Z. Fedzina. Belarus' 20 no 5-24 My '63.

WALL NEWSPAPERS

Visual and accessible. P. Kiselev. Agitator no. 12-'77 Je '63.

Your friend, the wall newspaper. A. IAkovlev. Sov. profsoiuzy 19 no. 14:35-36 Jl '63.

WALLS

Walls. A. N Antutin. Opyt. zarub. stroi. no. 8:61-90 '63.

WAR—ECONOMIC ASPECTS see subdivision under France; United States

WAR AND COMMUNISM

The international communist movement and Peking Sovremennik Nov. vrem. 21 no 34 3-5 Ag '63

Revolutionary spirit, true and false. Sovremennik. Nov. vrem. 21 no. 31:4-6 Ag '63.

WAR CRIME TRIALS see subdivision under Germany, West

WARBLE FLIES

Larvae of Hypoderma bovis parasitizing in the spinal canal of cattle. I. S. Ivashkov. Trudy VNIIVS 14 29-31 '59.

WARPING MACHINES

Motion of an elastic stretchable yarn with a uniform diameter through the tension device of the warping. E. D. Efremov Izv. vys. ucheb. zav., tekh. tekst. prom no. 3 72-76 '63.

Reducing warp breakage in warping by means of the use of an improved design of tension weights. M. A. Shchapov. Izv. vys. ucheb. zav., tekh. tekst. prom. no 3.82-87 '63.

WASHINGTON, D. C.—CRIME AND CRIMINALS

In the "free world." R. Utkin. Sov. just. no. 9:25 My '63.

Manners of the "free world": The sick city. S. Vishnevskii. Nov. vrem. 21 no. 36:28 S '63.

WASPS see subdivision under Murgab Valley

WATER

Action of ions on the mutual ordering of water molecules in aqueous solutions. V. I Tikhomirov Zhur strukt khim 4 no 4.521-526 Jl-Ag '63

Estimation of the thermal effect of water separation from melts of acid composition based on the albite-water system [with summary in English]. N. I. Khitarov, A. A. Kadik, E. B. Lebedev. Geokhimiia no. 7:619 630 Jl '63,

Me - H_2O distances in crystal hydrates and the ionic radii in aqueous solutions. S I Drakin Zhur strukt khim 4 no 4 514-520 Jl-Ag '63.

Structure of water. Zhur strukt. khim. 4 no. 4 499-501 Jl-Ag '63

Temperature dependence of the electric conductivity of aqueous solutions of electrolytes and its relation to the structure of water [with summary in English]. A. V. Pamfilov, O. M. Dolgaia. Zhur. fiz. khim. 37 no. 8: 1800-1804 Ag '63.

Thermochemical study of the stabilization of the structure of water by molecules of a nonelectrolyte M. N. Buslaeva, O IA. Samoilova Zhur. strukt khim. 4 no 4 502-506 Jl-Ag '63.

WATER—ANALYSIS

(see also subdivision under Olenek Valley)

Amperometric method for the determination of oxygen in water [with summary in English] V. M Kutiurin. Zhur. anal. khim. 18 no. 6:765-768 Je '63.

WATER—COMPOSITION see subdivision under Armenia; Otradnoye, Lake

WATER—FLUORIDATION

Data on the hygienic reasons of water fluoridation for the prevention of dental caries [with summary in English]. P. N. Maistruk. Vrach. delo no. 6:109-113 Je '63.

WATER—LAWS AND LEGISLATION see subdivision under Uzbekistan

WATER—MICROBIOLOGY see subdivision under Otradnoye Lake

WATER—PURIFICATION

Choosing a method of treating colored water in reservoirs. N. A. Grishchenko. Izv. vys. ucheb. zav.; stroi i arkhit 6 no. 2:112-117 '63.

Let collective farm villages have good water. N. N. Kvitnitskaia. Zdorov'e 9 no. 5:16-17 My '63.

WATER, UNDERGROUND

(see also subdivision under Lvov-Volyn' Basin; Podolia; Tarbagatay Range, Turkmenistan, Uzbekistan; Volyn' Province)

Concerning V. I. Gurevich's article "Metamorphism of underground waters in the process of katagenesis." I. V. Pososkhov. Sov. geol. 6 no. 8 148-150 Ag '63.

Discussions on the origin of calcium brines, reply to Professor I. V. Pososkhov. V. I. Gurevich. Sov. geol. 6 no. 8 150-158 Ag '63.

Matveev, B. K. [Geophysical methods of studying the movement of underground waters] Geofizicheskie metody izucheniia dvizheniia podzemnykh vod. Moskva, Gosgeoltekhizdat, 1963. 132 p

Methodology of hydrogeological studies in accumulation plains under dry climate conditions. G. IA. Bogdanov. Razved. i okh. nedr 29 no. 7.49-51 Jl '63

Prospecting for ground water E P Melkova, A. S. Zaitsev. Transp. stroi 13 no. 7 30-32 Jl '63.

WATER, UNDERGROUND—TERMINOLOGY

Good beginning in the definition of terms in hydro- and engineering geology. P F. Shvetsov. Sov. geol. 6 no. 8 158-159 Ag '63.

WATER FERNS see subdivision under Kara Kum Canal region

WATER FERNS, FOSSIL see subdivision under Kazakhstan

WATER HEATERS

Areas of the application of contact-type feed water economizers. I. Z. Aronov. Prom. energ. 18 no. 5.29-30 My '63.

WATER HEATERS—TESTING

Results of testing continuous-flow type electric water heaters. N. N. Terpilo. Nauch. trudy UNIIMESKH 4 123-124 '62.

WATER POLO

[Water polo; competition rules] Vodnoe polo; pravila sorevnovanii. Moskva, Izd-vo "Fizkul'tura i sport," 1963. 35 p.

WATER RESOURCES DEVELOPMENT see subdivision under Africa; White Russia

WATER SUPPLY see subdivision under Uzbekistan

WATER SUPPLY, INDUSTRIAL see subdivision under Bashkiria

WATER SUPPLY ENGINEERING

Kundzich, M. M. [Equipment for rural water supply] Oborudovanie dlia sel'skokhoziaistvennogo vodosnabzheniia Moskva, Sel'khozizdat, 1963 127 p

WATER TOWERS

Study of the automatic control system of tower-type water pumping systems. G. E. Kisten', N. F. Zavgorodnii. Nauch. trudy UNIIMESKH 4 116-120 '62.

WATERPROOFING

Noskov, S. K. [Waterproofing in industrial construction] Ustroistvo gidroizoliatsii v promyshlennom stroitel'stve. Moskva, Gosstroiizdat, 1963. 214 p. (Serila prakticheskikh posobii po povysheniu masterstva v promyshlennom stroitel'stve)

The plant method of waterproofing blocks for tunnel lining. F. Z IUdovich, S N Vlasov. Transp. stroi. 13 no. 6:31-33 Je '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. I, Sec. V, ch. 25. [Roofing, waterproofing, and steamproofing materials based on organic binders] Krovel'nye, gidroizoliatsionnye i paroizoliatsionnye materialy na organicheskikh viazhushchikh (SNiP I-V. 25-62). 1963. 19 p.

WAVE EQUATIONS

Transverse and longitudinal states of boson fields and dibaric particles [with summary in English]. A. A. Borgardt. Zhur. eksp. i teor. fiz 45 no. 2:123-127 Ag '63.

WAVE FUNCTIONS

Relativistically invariant transformations in wave function space [with summary in English]. A. A. Borgardt. Zhur. eksp. i teor. fiz. 45 no. 2:116-122 Ag '63.

WAVE GUIDES

Calculation of the dispersion of rod systems using a variational method. L. N Bezmaternykh. Radiotekh. i elektron. 8 no. 9:1558-1566 S '63.

Calculation of the dispersion of rod systems using a variational method. L. N. Bezmaternykh. Radiotekh. i elektron. 8 no. 9:1558-1566 S '63.

Contribution to the theory of a two-layer dielectric wave guide in a cylindrical screen. G. I. Veselov, L. A. Liubimov. Radiotekh. i elektron. 8 no. 9:1530-1541 S '63.

WAVE GUIDES (Continued)
Field structure in the cross section of a plasma-filled wave guide. V. P. Demidov. Zhur. tekh. fiz. 33 no. 4, 406-411 Ap '63.

Optimization of cascaded Tshebyshev transformers. G. P. Veselkov. Izv. vys. ucheb. zav., radiotekh. 6 no. 3 316-319 My-Je '63

Parameters of an H-shaped wave guide with dielectric filling (with summary in English). V. M. Sedykh, L. P. Mitsuk. Izv. vys. ucheb. zav., radiofiz. 6 no. 3 572-580 '63.

Propagation of a quasi-H_{01} wave in an H-shaped wave guide [with summary in English]. N. A. Kuz'min, T. V. Makarov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 3 581-584 '63

Radiation from an oscillator moving in a wave guide. L. G. Nazyshkina, K. A. Barsukov. Zhur. tekh. fiz. 33 no. 4 444-451 Ap '63.

WAVE MECHANICS
Splitting of the ground states of Mn^{2+} and Fe^{3+} ions in low-symmetry crystal fields. A. M. Leushin. Fiz. tver. tela 5 no. 8 2352-2358 Ag '63.

Wave function and energy of NaCl crystals with excess (hard) electrons. Z. IA. Evseev. Fiz. tver. tela 5 no. 8 2345-2351 Ag '63.

WAVES
Analysis of the spectra of wind waves. Part 2. S. A. Kitaigorodskii, S. S. Strekalov. Izv. AN SSSR. Ser. geofiz. no. 8 1240-1250 Ag '63.

Development and damping of ship waves. L. V. Cherkesov. Prikl. mat. i mekh. 27 no. 4 726-730 Jl-Ag '63.

Diffraction of a plane wave on two parallel elliptic cylinders. E. A. Ivanov. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 1 34-41 '62.

Driven by waves. G. Pavlenko. Tekh. mol. 30 no. 11 30-32 '62

Instability of a solitary wave moving in a plasma along a magnetic field. A. D. Pataraia. Zhur. tekh. fiz. 33 no. 4 412-414 Ap '63.

Numerical method for calculating the propagation of long waves in open river beds and its application to the flood problem. O. F. Vasil'ev and others. Dokl. AN SSSR 151 no. 3 525-527 Jl '63.

Power resources of rough seas. G. Vadimov. Tekh. mol. 30 no. 11:30 '62

Waves caused by an instantaneous discontinuity in an elastic medium. L. M. Flitman. Prikl. mat. i mekh. 27 no. 4 618-626 Jl-Ag '63.

WAVES—MEASUREMENT
Fate of the telephotorecorder. V. Glebov. Tekh. mol. 30 no. 11:31-32 '62.

WEATHER—MENTAL AND PHYSIOLOGICAL EFFECT
Synoptic front and its importance in pathological states of the organism. S. M. Chubinskii. Vop. kur., fiziotер. i lech. fiz. kul't. 27 no. 5 429-433 S-O '62

WEATHER FORECASTING
(see also subdivision under Baikal Lake region)
Cold and heat waves in the European U. S. S. R. M. A. Dunteva, D. A. Ped'. Trudy TSIP no. 123, 34-62 '63.

How to improve the accuracy of weather forecasting; an automatic telemetric hydrometeorological system. V. P. Petrov. Priroda 52 no. 8 38-44 Ag '63

Index of the analogy of vector fields. N. A. Bagrov. Trudy TSIP no. 123:4-17 '63.

Practical harmonic analysis on a sphere. G. I. Morskoi, I. T. Rudenko. Trudy TSIP no. 123:18-33 '63.

Practical methods of the expansion of the field of meteorological elements in respect to Chebyshev polynomials. N. I. Zverev, I. P. Purganskaia. Trudy TSIP no. 123 78-86 '63.

WEATHER FORECASTING—MAPS
Making AT300 prognostic charts using diurnal isallohypses. Kh. P. Pogosian, A. A. Pavlovskaia. Trudy TSIP no. 122 3-20 '63.

WEATHERING
(see also subdivision under Batum region; Zhitkovichi region)
Effect of weathering on the stability of ore pit sides. K. I. Dudushkina. Trudy Inst. gor. dela UFAN SSSR no. 5, 117-124 '63.

WEAVING
Effect of the number of layers on the physicomechanical characteristics of multilayer linen weave fabrics. G. I. Selivanov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 3 77-81 '63.

Gordeev, V. A. [Collection of problems on weaving] Sbornik zadach po tkachestvu. Moskva, Gizlegprom. 1963. 180 p.

WEAVING—STANDARDS
New theory of weaves. S. G. Goritskii. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2:164-167 '63.

WEDGES
Behavior of stresses in the angular point of a wedge. IA. S. Ufland. Trudy LPI no. 226:108-113 '63.

WEED CONTROL
(see also subdivision under Ashkhabad region, Bukovina; Kharkov Province; Russia, Southern; Turkmenistan, Ukraine, Virgin Territory)
Attachment for chemical weed control in crop fields. Z. S. Dagis, E. A. Rozen. Zashch. rast. ot vred. i bol. 8 no. 5, 28-29 My '63.

Chemical weed control for corn fields. M. I. Tarant'eva. Zashch. rast. ot vred. i bol. 8 no. 5 32-33 My '63.

Gavrila served in the institute, a feuilleton. V. IAkovlev. Zemledelie 25 no. 9 90-91 S '63.

Weed coverers in corn fields. L. Dolgii. Tekh. v sel'khoz 23 no. 5 14-15 My '63.

Weeding potato fields. A. Zherelevskii. Zashch. rast. ot vred. i bol. 8 no. 7 18-19 Jl '63

WEEDS see subdivision under Vorkuta region

WEEVILS see subdivision under Bukovina, Georgia)

WEEVILS—EXTERMINATION
(see also subdivision under Moldavia)
White weevil (Otiorhynchus ligustici) G. I. Marechek, V. A. Romanchenko. Zashch. rast. ot vred. i bol. 8 no. 7 11 Jl '63

Simple method for controlling the apple-blossom weevil. Kh. S. Gurevich. Zashch. rast. ot vred. i bol. 8 no. 5 36 My '63.

WEIGHING MACHINES
Automation of calculations and weighing of animals. S. I. Petruchenia, A. I. Starshov, IE. M. Antonov. Visnyk sil'hosp. nauky 6 no. 8 26-30 Ag '63.

WEIGHT LIFTING
Changes in the activity of the heart (based on the frequency of its contraction) in the 100-meter dash and weight lifting. A. A. Arutsev. Sbor. trud. Gruz. gos. inst. fiz. kul't. 5 309-316 '62.

WEIGHTS AND MEASURES
Examination of some Russian measures of the 15th and 16th centuries; "korobia," "kopna," and "obzha." G. V. Abramovich. Probl. istorch. no. 11:364-380 '63

WEIGHTS AND MEASURES—STANDARDS
Introduction of the International System of Units in the U. S. S. R. V. P. Korotkov. Priborostroenie no. 7 25-28 Jl '63.

WEITLING, WILHELM CHRISTIAN, 1808-1871
Works of a remarkable utopian socialist. L. I. Gol'man. Vop. ist. 38 no. 7:146-149 Jl '63.

WELDING
Organizing the work of welding 12.5-m. rails in strings. L. A. Korobanov, V. V. Kovalinskii, M. D. Shur. Transp. stroi. 13 no. 6:6-8 Je '63.

Stekhin, P. S., and V. D. Koleснikov. [Mechanization and automation of the assembly and welding operations in the manufacture of diesel locomotives] Mekhanizatsiia i avtomatizatsiia sborochno-svarochnykh rabot v teplovozostroenii. Moskva, Mashgiz, 1963. 125 p.

Welding flaws in nonferrous-alloy castings. M. S. Gvozdev. Mashinostroitel' no. 7:14-15 Jl '63.

Welding operations in the assembly of the equipment of thermal electric power plants. Inform. biul. VPNKH no. 7:41 Jl '62.

WELDING—CONGRESSES
Conference on the design of welded structures. Sudostroenie 29 no. 5:73 My '63.

WELDING—SAFETY MEASURES
No fires caused by welding. I. Lukin. Pozh. delo 9 no. 8:14 Ag '63.

WELDING—TABLES, CALCULATIONS, ETC.
Okerblom, N. O., V. P. Demiantsevich, and I. P. Baikova. [Planning the procedure for the manufacture of welded structures; design methods] Proektirovanie tekhnologii izgotovleniia svarnykh konstruktsii; raschetnye metody. Leningrad, Sudpromgiz, 1963. 602 p.

WELDING, ELECTRIC see Electric welding

WELLS
Gravity well screens. N. A. Chiglintsev. Sbor. trud. LIIZHT no. 106:85-94 '62.

WELLS, HERBERT GEORGE, 1866-1946
Wells talks about Pavlov. G. Mendeleevich. Tekh. mol. 31 no. 8, 8-9 '63.

WEST GERMANY see Germany, West

WEST KAZAKHSTAN TERRITORY—FARM MECHANIZATION
The grain of the Ural Mountain Region. P. Zemlianov. Part. zhizn' Kazakh. 33 no. 8:37-40 Ag '63

WEST SIBERIAN PLAIN—AMMONOIDEA
First finds of ammonites Speetoniceras in Western Siberia. I. G. Klimova, T. F. Zaitseva. Trudy SNIIGGIMS no. 23:108-113 '62.

WEST SIBERIAN PLAIN—COCCOLITHOPHORIDAE, FOSSIL
Coccolithophorids of the Mar'yanovskaya [illegible] West Siberian Plain. V. N. Vekshina. Trudy SNIIGGIMS no. 23 101-103 '62.

WEST SIBERIAN PLAIN—COSCINODISCACEAE, FOSSIL
New species of the genus Melosira from the [illegible] skaya series in the West Siberian Plain. N. V. [illegible] Trudy SNIIGGIMS no. 23 104-107 '62.

WEST SIBERIAN PLAIN—FORAMINIFERA, FOSSIL
Distribution of the complex with Recurvoides [illegible] yensis in Upper Jurassic sediments in the [illegible] ern part of the West Siberian Plain. V. I. [illegible] Trudy SNIIGGIMS no. 23 80-87 '62.

Find of Callovian foraminifers in the northeastern [illegible] of the West Siberian Plain. S. P. Bulynnikova, [illegible] SNIIGGIMS no. 23:88-97 '62.

Paleocene complexes of foraminifers in the W[illegible] berian Plain. E. V. Freiman. Trudy SNIIGGIMS [illegible] 52-67 '62.

New data on the distribution of the Discorbis [illegible] zone in the West Siberian Plain. M. I. Tamonina. Trudy SNIIGGIMS no. 23:18-25 '62.

New foraminiferal species from Danian sediments of the West Siberian Plain. E. N. Kisel'man. Trudy SNIIGGIMS no. 23:14-17 '62.

Nodosinidae from Upper Cretaceous and Paleocene sediments of the West Siberian Plain. F. S. Dain. Trudy SNIIGGIMS no. 23 26-51 '62.

Some Reophacidae from Cretaceous sediments in the West Siberian Plain. Z. I. Bulatova. Trudy SNIIGGIMS no. 23:5-13 '62.

WEST SIBERIAN PLAIN—GAS, NATURAL—GEOLOGY
Some results of gas and hydrochemical studies in the northeastern part of the West Siberian Plain. V. V. Volkov. Trudy SNIIGGIMS no. 27:72-78 '63

WEST SIBERIAN PLAIN—GEOLOGY, STRUCTURAL
Seismotectonic characteristics of the areas of experimental studies. Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR no. 16 24-30 '62.

Zlat'kova, L. K. (Geological and geomorphological methods of detecting local structures; the central part of the West Siberian Plain) Geologo-geomorfologicheskie metody vyiavlenila lokal'nykh struktur, tsentral'naia chast' Zapadno-Sibirskoi nizmennosti. Novosibirsk, Izd. Sibirskogo otd-niia AN SSSR, 1961. 76 p. (Akademiia nauk SSSR Sibirskoe otdelenie. Institut geologii i geofiziki. Trudy, no. 14)

WEST SIBERIAN PLAIN—RADIOLARIA, FOSSIL
New finds of Upper Jurassic radiolarians. A. [illegible] bovets. Trudy SNIIGGIMS no. 23, 98-100 '62

WEST SIBERIAN PLAIN—SEISMIC PROSPECTING
Dynamic characteristics of seismic recording in the case of wedge-shaped layers based on models. V. P. Telezhenko, IU. V. Goriachenin, L. M. Dobrokhotskaia. Trudy SNIIGGIMS no. 27:95-121 '62

Recording PS reflected transformed waves in the western part of the West Siberian Plain. I. IU. Nedoshivkii, E. V. Nikol'skii, S. V. Potap'ev. Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR no. 16:172-181 '62.

Testing the methodology of transformed head waves for studying the Paleozoic basement in the [illegible] part of the West Siberian Plain. I. IU. Nedoshivkii, E. V. Nikol'skii, S. V. Potap'ev. Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR no. 16:113-134 '62.

Using the method of transformed head waves in the southwestern part of the West Siberian Plain. [illegible] Shcherbakova. Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR no. 16 95-112 '62.

WESTERN EUROPE see Europe, Western

WESTERN SIBERIA see Siberia, Western

WHALE OIL
Technology of sperm oils. N. A. Nikonova. Trudy Masl.-zhir. prom. 29 no. 7:38-41 Jl '63

WHEAT
(see also subdivision under Altai Territory, [illegible] Iraq; Ivnya District; Kazakhstan; Rostov Province; Russia, Southern; Tatar A.S.S.R.; Ukraine; Virgin Territory)
Capacity of various grains on an ear to utilize [illegible] substances. IU. B. Konovalov. Dokl. TSKHA [illegible] 125-131 '61.

Formation of the generative organs in new types of winter wheats under conditions of varying light. [illegible] Pukhal'skii. Dokl. TSKHA no. 62:133-141 '61.

Harmful effect of strontium-90 on wheat [with summary in English]. E. V. Ulitskaeva. Izv. TSKHA [illegible] 102 '63.

Relations of optimum moisture supply in different [illegible] layers in winter wheat fields during the fall. F. F. Ulanova, A. L. Rymar. Trudy TSIP no. 131 [illegible]

Retention of precipitation by spring wheat plants [illegible] vegetation. A. S. Kontorshchikov, K. A. Trenina. Trudy TSIP no. 131:42-52 '63.

Use of vegetative undercutting of roots to stimulate development of wheat. N. I. Bondarenko. Dokl. [illegible] no. 62:68-74 '61.

Wheat variation in sowing embryonically young seeds. B. D. Fainbron. Dokl. TSKHA no. 62:118-121 '63.

WHEAT—FERTILIZERS AND MANURES

Applying mixed organic-mineral fertilizers to winter wheat. V. V. Chishina. Zemledelie 25 no. 7 77-78 '63.

Fall supplementary fertilizers for winter crops. IU. P. Strotin and others. Zemledelie 25 no. 9 10-34 S '63.

WHEAT—HARVESTING see subdivision under Caucasus, Northern

WHEAT—VARIETIES

(see also subdivision under Ukraine)

Morphological and biological nonuniformity of Moskovskaya 2453 winter wheat. A. A. Ulolov, Z. V. Satonkina. Dokl. TSKHA no. 62:109-113 '61.

Wheat, stronger than frost. O. Lysenko. Mol. komm. no. 9:58-60 S '62.

WHEAT GERM

Lycolytic enzymes of wheat germ and their fractionation. N. I. Proskuriakov, L. P. Loseva. Nauch. dokl. vys. shkoly, biol. nauki no. 3:157-162 '63.

WHITE RUSSIA—AGRICULTURAL MACHINERY

Akademiia sel'skakhaspadarchykh navuk BSSR. Navukova-dasledchy instytut mekhanizatsyi i elektryfikatsyi sel'skat haspadarki. [Transactions of the Scientific Conference of 1960] Trudy Nauchnoi konferentsii 1960 goda. Pod red. M. E. Matsepuro i B. N. IAnyshkevycha. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1962. 369 p.

WHITE RUSSIA—APPELLATE COURTS

Formal meeting devoted to the 40th anniversary of the Supreme Court of the White Russian S. S. R. Biul. Verkh. Suda no. 3:39 '63.

The 10th anniversary of the Supreme Court of the White Russian S. S. R. Biul. Verkh. Suda no. 3:36 '63.

Forty years of work of the Supreme Court of the White Russian S. S. R. S. Shatdyko. Biul. Verkh. Suda no. 3 37-39 '63.

WHITE RUSSIA—ARCHITECTURE

White-Russian architecture and architectural engineering at the 40th anniversary of the great October revolution. A. P. Volnov. Shor. nauch. trud. Bel. politekh. inst no. 66:72-90 '57.

WHITE RUSSIA—BALLET

First performance of a White Russian ballet in the White Russian Ballet Theater. IU. M. Chunko. Vestsi AN BSSR Ser. hram. nav. no. 2 96-105 '63.

WHITE RUSSIA—BOTANY, MEDICAL

Ecology and geography of the medicinal flora of White Russia. V. A. Mikhnilouskaia, N. V. Kazlouskaia. Vestsi AN BSSR, Ser. biol. nav. no. 1:13-20 '63.

WHITE RUSSIA—BUILDING

White-Russian architecture and architectural engineering at the 40th anniversary of the great October revolution. A. P. Volnov. Shor. nauch. trud. Bel. politekh. inst no. 66:72-90 '57.

WHITE RUSSIA—CITIES AND TOWNS

Economic situation of privately owned White Russian cities in the first half of the 18th century. A. P. Hrytskevich. Vestsi AN BSSR. Ser. hram. nav. no. 2:52-62 '63.

WHITE RUSSIA—COLLECTIVE FARMS—TAXATION

Differentiation of income tax from collective farms. L. Sukovyi, M. TSybul'ko. Fin. SSSR 37 no. 6:48-53 Je '63.

WHITE RUSSIA—CONSTRUCTION INDUSTRY

Department of Structural Engineering and its role in training structural engineers and in assisting the construction industry of the White-Russian S. S. R. IA. I. Drozd, I. L. Khaiutin. Shor. nauch. trud. Bel. politekh. inst. no. 66:210-245 '57.

WHITE RUSSIA—CRANBERRIES

Improve the procurement of cranberries. A. F. Skurikhin. Kons. i ov. prom. 18 no. 7:32-33 Jl '63.

WHITE RUSSIA—CREDIT

Introduction of new machinery and bank credit. F. Dronov. Den. i kred. 21 no. 8:36-39 Ag '63.

WHITE RUSSIA—ELECTRICITY IN AGRICULTURE

Akademiia sel'skakhaspadarchykh navuk BSSR. Navukova-dasledchy instytut mekhanizatsyi i elektryfikatsyi sel'skat haspadarki. [Transactions of the Scientific Conference of 1960] Trudy Nauchnoi konferentsii 1960 goda. Pod red. M. E. Matsepuro i B. N. IAnyshkevycha. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1962. 369 p.

WHITE RUSSIA—FERTILIZERS AND MANURES

Differentiation of amounts of phosphorus and potassium fertilizers. T. N. Kulakovskaia. Zemledelie 25 no. 9: 35-41 S '63.

WHITE RUSSIA—FOREIGN RELATIONS

Participation of the White Russian S. S. R. in the establishment of the United Nations. IU. P. Brotika. Vestsi AN BSSR. Ser. hram. nav. no. 2:115-125 '63.

WHITE RUSSIA—HISTORY

A book on the heroic revolutionary struggle of workers against the rule of the Polish bourgeoisie and landed gentry in western White Russia, 1920-1939. V. Mialeshka. Vestsi AN BSSR, Ser. hram. nav. no. 2 130-133 '63.

A glorious page from the history of the revolutionary movement. I. V. Sozin. Vop. ist. 38 no. 7:189-190 Jl '63.

WHITE RUSSIA—HUMANISM

Golenishchev-Kutuzov, I. N. [Humanism of the Eastern Slavs (Ukraine and White Russia)] Gumanizm u vostochnykh slavian (Ukraina i Belorussiia). Moskva, Izd-vo Akad. nauk SSSR, 1963. 92 p. (Doklady sovetskoi delegatsii V Mezhdunarodnyi s"ezd slavistov) [With summary in French]

WHITE RUSSIA—INDUSTRIES

Characteristics of the special branches of White Russian industry before the Reform of 1861. M. F. Bolbas. Vestsi AN BSSR Ser. hram. nav. no. 2 30-51 '63.

WHITE RUSSIA—LAND TENURE

Historiography of agrarian relations in White Russia and the White Russian peasant movement during the Revolution of 1905-1907. K. I. Shabunia. Vestsi AN BSSR Ser. hram. nav. no. 2 28-38 '63.

WHITE RUSSIA—LECTURES AND LECTURING

Training lecturers. K. A. Kulinkovich. Teor. i prak. fiz. kul't. 26 no. 6 70-72 Je '63.

WHITE RUSSIA—MORAINES

Some petrologic characteristics of moraines in the northwest of White Russia. IA. A. Ilyn. Vestsi AN BSSR Ser. fiz.-tekh. nav. no. 1 95-107 '62.

WHITE RUSSIA—OPERA

Youth of the White Russian Opera House. H. Zaharodni. Belarus' 20 no. 5:10 My '63.

WHITE RUSSIA—PEASANTRY

Portrayal of White Russian peasants and their implements in the middle of the 18th century. N. N. Ulashchik. Probl. istoch. no. 11:209-213 '63.

WHITE RUSSIA—PHYSICAL EDUCATION AND TRAINING

Training lecturers. K. A. Kulinkovich. Teor. i prak. fiz. kul't. 26 no. 6 70-72 Je '63.

WHITE RUSSIA—PINE—DISEASES AND PESTS

Forecasting the appearance of the common pine sawfly. I. D. Avramenko. Les. khoz. 16 no. 2:58-59 F '63.

WHITE RUSSIA—REVOLUTION OF 1905

Historiography of agrarian relations in White Russia and the White Russian peasant movement during the Revolution of 1905-1907. K. I. Shabunia. Vestsi AN BSSR. Ser. hram. nav. no. 2, 28-38 '63.

WHITE RUSSIA—ROCKS, SEDIMENTARY

Study of oriented aggregates of the nonearbonate part of marl- chalk rocks. IU. G. Kopysov. Dokl. AN BSSR 6 no. 12 788-790 D '62.

WHITE RUSSIA—RUSSIAN SOCIAL DEMOCRATIC PARTY

Soloshenko, V. I. [From the history of the dissemination of Marxism in White Russia, 1883-1904] Iz istorii rasprostranenila marksizma v Belorussii, 1883-1904 gg. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovanila BSSR, 1963. 76 p.

WHITE RUSSIA—SAPROPEL

Study of sapropels with low ash content from lakes and marshes in the White Russian S. S. R. A. I. Skryzhan and others. Vestsi AN BSSR, Ser. fiz.-tekh. nav. no. 1 61-68 '62.

WHITE RUSSIA—SAWFLIES

Forecasting the appearance of the common pine sawfly. I. D. Avramenko. Les. khoz. 16 no. 2:58-59 F '63.

WHITE RUSSIA—TECHNOLOGICAL INNOVATIONS

Information is a paying business. A. Khlebtsevich. Izobr. i rats. no. 7 '63, 26-27 '63.

Introduction of new machinery and bank credit. F. Dronov. Den. i kred. 21 no. 8:36-39 Ag '63.

WHITE RUSSIA—WATER RESOURCES DEVELOPMENT

Research in the field of water resources development in the White Russian S. S. R. P. P. Vinokurov, G. A. Peryshkin, S. P. Mikhailov. Shor. nauch. trud. Bel. politekh. inst. no. 66:107-178 '57.

WHITE RUSSIA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

New books on the guerrilla movement in White Russia during the Great Patriotic War. V. Hortsaŭ. Vestsi AN BSSR. Ser. hram. nav. no. 2 126-129 '63.

WHITE RUSSIAN LANGUAGE—AFFIXES

So-called Polonisms in the White Russian language; suffixes ending in "dl" and "tsk." A. U. Aleshenkava. Vestsi AN BSSR. Ser. hram. nav. no. 2:85-95 '63.

WHITE RUSSIAN LANGUAGE—GRAMMAR

The first White Russian grammar. IA. Kamarouski. Belarus' 20 no. 5:29 My '63.

WHITE RUSSIAN LITERATURE

Important contribution to the bibliography of White Russian belles lettres. V. A. Buran. Sov. bibl. no. 4:68-72 '63.

WHITE RUSSIAN LITERATURE—DICTIONARIES

A handbook on the literature and writings of the eastern Slavs. P. Vladkou. Vestsi AN BSSR, Ser. hram. nav. no. 2, 136-139 '63.

WHITE RUSSIAN LITERATURE—HISTORY AND CRITICISM

An important and interesting publication. Z. IU. Kapyska. Vestsi AN BSSR Ser. hram. nav. no. 2 131-135 '63.

WHITE SEA—HERRING FISHERIES

Biological basis for controlling herring fisheries in the White Sea. N. V. Dmitriev. Ryb. khoz. 39 no. 8, 20-24 '63.

WHITE SEA REGION—GEOLOGY, STRUCTURAL

Effect of disjunctive dislocations on the distribution of pegmatites in the northwestern part of the White Sea region. IU. P. Rytsk. Trudy VSEGEI 84 49-69 '62.

WHITE SEA REGION—HISTORY

Frumenkov, G. G. [Solovetskii Monastery and the defense of the White Sea region in the 16th-19th centuries] Solovetskii monastyr' i oborona Pomor'ia v XVI-XIX vekakh. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1963. 136 p.

WHITE SEA REGION—PEGMATITES

Effect of disjunctive dislocations on the distribution of pegmatites in the northwestern part of the White Sea region. IU. P. Rytsk. Trudy VSEGEI 84 49-69 '62.

WHITEFISH see subdivision under Kola Peninsula

WHOLESALE TRADE—FINANCE

Observe strictly the practice of economy and strengthen business accounting in the wholesale trade. G. Gofman. Fin. SSSR 37 no. 6 31-40 Je '63.

WHOOPING COUGH

Indirect of the agglutination reaction in the treatment of whooping cough with immune antihemophilus-cough gamma globulins. R. M. Brhun. Ped., akush. i gin. 25 no. 2:18-21 '63.

WILD BOAR—PARASITES see Parasites—Wild Boar

WILD OATS see subdivision under Canada

WILD RICE see subdivision under Belovezhskaya Pushcha

WILNO see Vilnius

WINCHES—DESIGN AND CONSTRUCTION

For a reliable performance of loading winches. V. Cherenovski, A. Kovalskii. Mor. flot 23 no. 5:28 My '63.

WINCHES—ELECTRIC DRIVING

Analysis of the exploitation of electric motors for scraper winches in iron-ore mines. E. G. Landsheit. Shor. nauch. trud. KGRI no. 7 256-264 '59.

WINCHES—SAFETY APPLIANCES

Study of the stability of the process of using a centrifugal self-actuated controller in regulating a winch with a weight emergency drive. IU. M. Blazhko. Izv. vys. ucheb. zav., gor. zhur. 6 no. 7:171-180 '63.

WIND EROSION

Protecting soils against wind erosion [with summary in English]. T. F. IAkubov. Pochvovedenie no. 8: 83-93 Ag '63.

WIND POWER

Windmill generator. IU. Fedorovskii. Radio no. 8:10-11 Ag '63.

WIND TUNNELS

Experimental investigation of the structure of sand flow in a wind tunnel. B. N. Senkevich. Izv. AN Turk. SSR, Ser. biol. nauk no. 1, 30-35 '63.

WINDBREAKS, SHELTERBELTS, ETC.

(see also subdivision under Astrakhan Province)

Effect of forest shelter belts on the nectar productivity and the seed yield of sainfoin and sunflowers. K. IA. Pomina. Dokl. TSKHA no. 92, 531-536 '61.

Practices in growing forest shelterbelts by the diagonal-group method. E. S. Pavlovskii. Les. khoz. 16 no. 5: 24-30 My '63.

Put shelterbelt afforestation on a higher level. Les. khoz. 16 no. 5:36-42 My '63.

Theory and practice of shelterbelt afforestation. N. P. Anuchin. Agrobiologiia no. 4 600-606 Jl-Ag '63.

Time has come to create new types of tree belts. I. Z. Fradkin, I. I. Solopov. Put' i put khoz. 7 no. 8:43-44 '63.

WINDING MACHINES

Causes of the formation of twist in raw silk during the unwinding of cocoons. P. A. Osipov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2:35-39 '63.

Increasing the speed and reducing the breakage of warp cotton yarn in rewinding. S. G. Goritskii. Tekst. prom. 23 no. 8:52-55 Ag '63.

WINDING MACHINES (Continued)

Regulation of the rate of rewinding on bobbin precision winders. V. A. Bliuer. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2,171-175 '63.

Review of N. G. Morozova's article "Ways for the intensification of linen yarn drying on cross-wound bobbins." M. F. Azychkov, V. V. Dolgov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 3 156 '63.

Ways to reduce the nonuniformity of drying of linen yarn on soft-wound bobbins. G. N. Morozov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 3 112-117 '63.

WINDING MACHINES—DESIGN AND CONSTRUCTION

Priority in the derivation of the winding formula for cone winding. B. Sh. Pafel. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 2:168-170 '63.

WINDMILLS

Fateev, E. M. [Windmills and wind-driven installations] Vetrodvigateli i vetroustanovki. 2., pererab. izd. Moskva, Sel'khozgiz, 1957. 535 p.

WINDS

(see also subdivision under Africa)

Experimental studies of the spectra of pulsations of the vertical wind velocity component in a free atmosphere. S. L. Zubkovskii. Izv. AN SSSR. Ser. geofiz. no. 8:1265-1268 Ag '63.

Measuring the wind resistance of the soil surface of fields by an aerodynamic device. A. P. Bocharov. Vest sel'khoz. nauki (Kazakh.) 6 no. 5:79-87 My '63.

Seasonal variations of the nature of jet streams. G. V. Letnikov. Trudy IEIP no. 122 69-73 '63.

WINE AND WINE MAKING

Mogilianskii, N. K. [Hose for wine conveying and its maintenance] Vinnye shlangi i ukhod za nimi. Kishinev, Partiinoe izd-vo TsK KP Moldavii, 1962. 11 p. [MICROFILM]

Role of nitrous substances and their transformation during the maderization of wine. N. Kazumov. Prom. Arm. 6 no. 7:54-59 Jl '63.

Zaiats, I. N. [Economics, organization and planning of production in wine making] Ekonomika, organizatsiia i planirovanie vinodel'cheskogo proizvodstva, kurs lektsii. Kishinev, Kishinevskoe uchilishche vinodeliia i vinogradarstva, 1962. 93 p. [MICROFILM]

WINE AND WINE MAKING—FINANCE see subdivision *under Daghestan*

WING NUT, FOSSIL see subdivision under Kazakhstan

WINTER WARFARE

Winter is not beyond the mountains! Komm. Vooruzh. Sil 3 no. 18:56-60 Ag '63.

WIRE ROPE

Effect of elastic inserts on the nature of loads in hoisting ropes on excavators used in open pits. P. I. Kokh. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 7:119-121 '63.

Preliminary stretching of a mine hoisting rope before removing a load from a fixed base. V. V. Morozov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 7:114-118 '63.

WIREWORMS

Wireworms in tomato plantations. V. M. Ekemskin. Zashch. i ost. ot vred. i bol. 6 no. 5:54 My '63.

WITHERITE

Experimental studies of the solubility of calcite and witherite under hydrothermal conditions [with summary in English]. S. D. Malinin. Geokhimiia no. 7:631-646 Jl '63.

WITTIG REACTION

Wittig reaction in the carbohydrate series. N. K. Kochetkov, B. A. Dmitriev. Dokl. AN SSSR 151 no. 1:108-109 Jl '63.

WOLFF-PARKINSON-WHITE SYNDROME

Mechanism of some varieties of experimental Wolff-Parkinson-White syndrome [with summary in English]. S. P. Gordov. Kardiologiia 3 no. 3 81-86 My-Je '63.

WOLFRAMITE—ANALYSIS

Photometric method for determining scandium with chlorophosphonazo-III in wolframite. L. P. Alimarin, V. I. Fadeeva. Vest. Mosk. un. Ser. 2. Khim. 18 no. 4 67-69 Jl-Ag '63.

WOMEN

(see also subdivision under Malagasy Republic; Moscow; Nigeria; South Africa, Republic of; Tanganyika)

News from everywhere. Zhen. mira no. 4:4-5 '63.

WOMEN—CONGRESSES

Comments by the delegates to the World Congress of Women. L. Kalanova. Ogonek 41 no. 26:28 Je '63.

For the sake of peace and happiness on earth; on the eve of the World Congress of Women. Agitator no. 12:39-20 Je '63.

Greeting the forthcoming World Congress of Women. Zhen. mira no. 4:33 '63.

Greeting the forthcoming World Congress of Women. Zhen. mira no. 5:34 '63.

In anticipation of the World Congress of Women. G. I. Kuznetsova. Sov. pedag. 27 no. 6 12-18 Je '63.

In defense of peace and in defense of children. Elena Kononenko. Semia i shkola 18 no. 6 1 Je '63.

On the occasion of the World Congress of Women in Moscow. Kult. i zhizn' 7 no. 5 8-9 '63.

United in the struggle for liberation, peace, progress and happiness. Carmen Echevarria. Zhen. mira no. 5 30-31 '63.

"Women for peace, disarmament and friendship among peoples." Steft Baksa Soos. Zhen. mira no. 5:17-19 '63.

WOMEN—EMPLOYMENT

(see also subdivision under Germany, East; Ryazan; Sverdlovsk; Switzerland; Ukraine)

Communist labor. I. Smirnova. Rab. i sial. 39 no. 6 3-4 Je '63.

The master meets his group ten years later. V. Fershtut. Prof.-tekh. obr. 20 no. 8:18-19 Ag '63.

Work became of vital importance to Soviet women. Z. V. Lebedeva. Zhen. mira no. 4:24-25 '63.

WOMEN—HEALTH AND HYGIENE see subdivision under Georgia

WOMEN—RIGHTS OF WOMEN

(see also subdivision under Afghanistan; Indonesia; *Kara-Kalpak A.S.S.R.; Uzbekistan*)

"Handbook for women workers; the rights of women according to Soviet law" by M. Rumiantseva, A. Poigament, G. Gromova, E. Panova. Sov. iust. no. 12:28-29 Je '63.

WOMEN—SOCIETIES AND CLUBS see subdivision under Rechitsa

WOMEN AND PEACE

(see also subdivision under Austria; Belgium; Canberra; Germany, West; Senegal)

A congress of peace and friendship. Rab. i sial. 39 no. 8:3 Ag '63.

It is better to cover our planet with flowers. Rab. i sial. 39 no. 6:1-2 Je '63.

The voice of mothers from all over the world. Aliaksandra Us. Rab. i sial. 39 no. 8:2 of cover-2 Ag '63.

"Women for peace, disarmament and friendship among peoples." Steft Baksa Soos. Zhen. mira no. 5:17-19 '63.

WOMEN AND RELIGION

Heroes of the universe are heroes of the world. Nauka i rel. 4 no. 7:4-8 Jl '63.

WOMEN AND SOCIALISM

International Women's Day, March 8. Probl. tub. 41 no. 3:3-6 '63.

WOMEN AS ASTRONAUTS

Parisian women about Russian Valia. G. Dad'iants. Ogonek 41 no. 26:30 Je '63.

Your way to the stars. Galina Shergova. Ogonek 41 no. 20:30 Je '63.

WOMEN AS PHYSICIANS see subdivision under Hungary

WOMEN AS SOLDIERS

[Heroines of the war; stories of the women who hold the title of Hero of the Soviet Union] Geroini voiny, ocherki o zhenshchinakh-Geroiakh Sovetskogo Soiuza. Moskva, Gospolitizdat, 1963. 718 p.

WOMEN AS TRUCK DRIVERS

On the road. P. Shantsov. Rab. i sial. 39 no. 6:7 Je '63.

WOMEN IN AGRICULTURE

(see also subdivision under Molodechno District; Uzbekistan)

Peasant women. Rosa Josovich. Zhen. mira no. 4:15-19 '63.

WOMEN IN ASTRONAUTICS

The role of women today. Djibo Fati. Az. i Afr. segodnia no. 8:41 Ag '63.

WOMEN IN LITERATURE

Ma Joad, heroine of John Steinbeck's "The grapes of wrath." Marianne Milhaud. Zhen. mira no. 4:31-32 '63.

WOMEN IN MOTION PICTURES

The documentary film, Wolfgang Kernicke. Zhen. mira no. 4:6-7 '63.

WOMEN IN POLITICS

Trial of the fifty. V. Vladimirov. Ogonek 41 no. 29:12-13 Jl '63.

WOMEN IN PUBLIC LIFE

You aren't forgotten, little boys and girls. N. TSypin. Rab. i sial. 39 no. 8:7-8 Ag '63.

WOMEN IN UZBEKISTAN

S"ezd zhenshchin Uzbekistana. 2d, Tashkent, 1961. [Verbatim report of the Second Congress of the Women of Uzbekistan] Stenograficheskii otchet. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1962. 160 p. (MIU)

WOMEN'S PERIODICALS

Letters to the editor. Zhen. mira no. 4-5 '63.

Letters to the editor. Zhen. mira no. 5-6 '63.

WOOD

Calculations according to the limiting state of flexible wooden rods. A. V. Vetrov. Trudy GIDI no. 30 157-171 '61.

Rubles in heaps. P. Gurov. Sov. shakht. 12 no. 6:17 Je '63.

WOOD—CHEMISTRY

Leikin, E. R., and G. D. Soboleva. [Production of xylitol] Proizvodstvo ksilita. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1962. 62 p. (Gidroliz i lesokhimiia) [MICROFILM]

WOOD—PRESERVATION

Diffusion impregnation of wood. A. I. Nikanorova. Standartizatsiia 27 no. 7:16 Jl '63.

WOOD ALCOHOL see Methanol

WOOD-DECAYING FUNGI see subdivision under Caucasus, Northern

WOOD ENGRAVINGS

Moscow. Gosudarstvennyi muzei izobrazitel'nykh iskusstv. [Exhibition of wood engravings from the 15th to the 20th century; a catalog] Vystavka graviury na dereve XV-XX v. v.; katalog. Moskva, 1962. 84 p. illus.

WOOD WASTE

(see also subdivision under Maloyaroslavets region)

Ispol'zovanie otkhodov lesopileniia dlia polucheniia tekhnologicheskoi shchepy. Moskva, 1963. 24 p. (Bumaga i tsellyuloza) [MICROFILM]

WOODPULP

Effect of electrolytes on the process of beating. N. P. Perekal'skii, V. F. Filatenkov. Trudy LTITSBP no. 6 66-73 '61.

Effect of lignin on the process of beating and the strength of paper. N. P. Perekal'skii, V. F. Filatenkov. Trudy LTITSBP no. 8:39-45 '61.

Effect of pressure differences in the diffuser on the washing of sulfate pulp. V. A. Grabovskii, I. V. Namestnikov. Trudy LTITSBP no. 8, 105-108 '61.

Effect of some factors on changes in the mechanical properties of cellulose and change of the beating process. V. P. Alikin. Trudy LTITSBP no. 8:32-38 '61.

Effect of temperature on changes in the elastoplastic properties of cellulose and the nature of beating. V. P. Alikin. Trudy LTITSBP no. 8:53-57 '61.

Specific surface of cellulose fibers and its change during the process of beating. N. P. Perekal'skii, V. F. Filatenkov. Trudy LTITSBP no. 8:19-31 '61.

Thermodynamics of the interaction of cellulose water and water solutions of electrolytes. Part 2: Comparing the temperature relationships of the heat of interaction of water with standard and viscose celluloses. K. P. Mishchenko, N. P. Dymarchuk, V. V. Sokolov. Trudy LTITSBP no. 8:108-113 '61.

Thermodynamics of the interaction of cellulose with water and water solutions of electrolytes. Part 4: Effect of predissolved nitrates on the integral heat of the interaction of cellulose with water. K. P. Mishchenko, N. P. Dymarchuk, V. V. Subbotina. Trudy LTITSBP no. 8:114-119 '61.

WOODPULP—ANALYSIS

Method for quantitative determination of manganese content in viscose cellulose. P. V. Shumilov, A. IA. Kil'tsev. Trudy LTITSBP no. 8:120-122 '61.

WOODPULP—DRYING

Using semiconductors for measuring the temperature of the surface of cylinder dryers. N. G. Filonenko. Trudy LTITSBP no. 8:162-166 '61.

WOODPULP—STANDARDS

Woodpulp for paper. V. IU. Trofilkova. Standartizatsiia 27 no. 7:48-49 Jl '63.

WOODPULP—TESTING

Investigating foreign industrial celluloses for high- and superhigh-strength cord with optical and electron microscopes. L. E. Akim, L. IA. Zbrozhek. Trudy LTITSBP no. 8:74-80 '61.

Investigating the molecular heterogeneity of wood and cotton cellulose intended for the production of high- and superhigh-strength cord fibers. L. E. Akim, V. E. Klikki. Trudy LTITSBP no. 8:66-73 '61.

WOODPULP INDUSTRY

Some possibilities of using a heat pump in pulp and paper production. I. K. Chernyshevskii. Trudy LTITSBP no. 8:140-145 '61.

Venturi's scrubber and its use in the production of sulfate pulp. V. V. Maksimov, V. A. Bushuriev. Trudy LTITSBP no. 8:96-101 '61.

WOODPULP INDUSTRY—FINANCE see subdivision under Kirov Province, Ukraine, Western

WOODWORK (MANUAL TRAINING)—STUDY AND TEACHING

Laboratory assignment "Determining the type of lumber." M. A. Grigor'ev, L. P. Antonov. Shkola i proizv 7 no. 8:61-63 Ag '63.

WOODWORKING INDUSTRIES—FINANCE see subdivision under Karelia

WOODWORKING INDUSTRIES—FIRES AND FIRE PREVENTION

The director is responsible. B. Dumaev. Pozh. delo 9 no. 8:20 Ag '63.

WOODWORKING MACHINERY

Finkel'shtein, S. M. [Semiautomatic line in the production of wood chips] Poluavtomaticheskaia linifa po proizvodstvu drevesnoi struzhki Leningrad, 1963 12 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Derevoobrabatyvaiushchaia promyshlennost', no. 2)

Kossovskii, G. N., M. P. Strizhevskii, and Iu. I. Efimenko. [The Ukrainian Scientific Research Institut of Mechanical Woodworking Automatic Line no. 3, with programmed control of the setting of machines] Avtomaticheskaia linifa UkrNIIMOD-3 s programmnym upravleniem nastroikoi stankov. Kiev, Gostekhizdat USSR, 1963 21 p.

WOODWORKING MACHINERY—SAFETY MEASURES

Moscow. TSentral'nyi nauchno-issledovatel'skii institut mekhanicheskoi obrabotki drevesiny. [Album of standard shielding and protecting devices for basic types of sawmilling and woodworking equipment] Al'bom tipovykh ograditel'nykh ustroistv i predokhranitel'nykh prisposoblenii dlia osnovnykh vidov lesopil'no-derevoobrabatyvaiushchego oborudovaniia. Moskva, Goslesbumizdat, 1963. 51 p.

WOODWORKING MACHINERY—STANDARDS

Woodworking machinery. M. S. Rudnik, A. T. Khabarina. Standartizatsiia 27 no. 7:17 Jl '63.

WOODY PLANTS

(see also subdivision under Kirghizistan)

Accretion of roots in some woody plants. L. S. Savel'eva. Agrobiologiia no. 1 631-633 Jl-Ag '63.

"Results of the introduction of trees and shrubs by the Forest Steppe Experimental Breeding Station during the last 15 years" by N. G. Akimochkin. Reviewed by B. N. Zamiatnin. Bot. zhur. 48 no. 7 1065-1067 Jl '63.

Some data on the germination of tree and shrub seeds. M. Dzhamankulov. Izv. AN Kir. SSR Ser. biol. nauk 5 no. 2:53-61 '63

WOOL—STANDARDS

More about the quality and classification of fine wool. M. A. Vil'nina. Tekst. prom. 23 no. 8:25-27 Ag '63.

WOOL—TESTING

Mechanization of the picking of average wool samples. L. A. Luvishis. Standartizatsiia 27 no. 7:42-44 Jl '63.

WOOLEN AND WORSTED MANUFACTURE see subdivision under Staraya Kupavna

WORK

Development of adolescent interest in socially useful work. A. P. Arkhipov. Sov. pedag. 27 no. 6:43-48 Je '63.

WORK AND WORKERS IN ART

Coke and roses. IUlii IAtchenko. Ukraina no. 19:19 Ag '63.

WORK CLOTHES

Work clothes for a mechanic. Sel'. mekh. no. 5:20 My '63.

WORK MEASUREMENT

Ways of increasing labor productivity in the drawing sections. M. M. Katta-Khodzhaev. Izv. vys. uchob. zav., tekh. tekst. prom. no. 2:3-10 '63.

WORKS COUNCILS

Some experience in the organization and work of workshop committees. N. M. Kel'tsev. Sov. gos. i pravo 33 no. 9:91-93 S '63.

WORLD HEALTH ORGANIZATION

Privileges and immunities of the World Health Organization. V. S. Mikhailov. Sov. zdrav. 22 no. 6:40-45 '63.

WORLD POLITICS

Adventurous policy of the Chinese leaders. Florimond Bonte. Kommunist 40 no. 14:39-43 O '63.

Brief news on international events. Nov. vrem. 21 no. 31:32 Ag '63.

Brief news on international events. Nov. vrem. 21 no. 34:32 Ag '63.

Brief news on international events. Nov. vrem. 21 no. 36:32 S '63.

Children are the future of humanity. Doshk. vosp. 36 no. 6:1-3 Je '63.

For the general line of the world communist movement and against left-wing opportunism, nationalism, and adventurism. Kommunist 40 no. 14:4-38 O '63

International duty of the Communists. Ib. Nørlund. Kommunist 10 no. 14:44-52 O '63.

International notes. Nov. vrem. 21 no. 31:21-22 Ag '63.

International notes. Nov. vrem. 21 no. 31:23-24 Ag '63.

International notes. Nov. vrem. 21 no. 35:21-23 Ag '63.

International notes. Nov. vrem. 21 no. 36:20-22 S '63.

Peace, disarmament, and peaceful coexistence. Eugenie Cotton. Zhen. mira no. 4 4 '63.

Struggle for peace and prospects for the socialist revolution. IU. Arbatov. Kommunist 10 no. 11:53-62 O '63

World map relates... Vokrug sveta no. 1 4-6 Ja '63.

WORLD WAR, 1939-1945

(see also subdivision under Arctic regions; Crimea; Estonia; France; Kiev; Lidice, Czechoslovakia; Lithuania, Mogilev Province; Moscow; Polesye; Rumania; Slovakia; Ukraine; Uzbekistan; White Russia)

Dobrushin, D. S., and B. M. Torokhov. [Guardsmen of a cavalry corps] Konnogvardeitsy [Volgograd] Volgogradskoe knizhnoe izd-vo, 1963 187 p

[Fallen heroes are speaking; last letters of Soviet fighters who died opposing the occupation forces of German fascists, 1941-1945] Goroviat pogibshie geroi; predsmertnye pis'ma sovetskikh bortsov protiv nemetsko-fashistskikh zakhvatchikov, 1941-1945 gg. 2 , dop. i pererab. izd. Moskva, Gospolitizdat, 1963 510 p.

Great victory of the Soviet people and their Armed Forces. V. A. Matsulenko. Vop. ist. KPSS 7 no. 9 111-117 S '63.

[Heroines of the war; stories of the women who hold the title of Hero of the Soviet Union] Geroini voiny; ocherki o zhenshchinakh - Geroiakh Sovetskogo Soiuza. Moskva, Gospolitizdat, 1963. 718 p.

Kotliarov, V. I., and A. D. Marchenko. [Friendship strengthened through blood] Druzhba, skreplennaia krov'iu. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 214 p.

The victorious end of the war. M. Denisenko, M. Sholchakov. Part. zhizn' no. 17:73-76 S '63.

"The war in Europe, 1939-1941" by D. M. Proektor. Reviewed by V. P. Gorlov. Vop. ist. 38 no. 9:132-134 Ag '63.

WORLD WAR, 1939-1945—AERIAL OPERATIONS

During the Kursk battle. S. Krasovskii. Kryl. rod. 14 no. 7 18-20 Jl '63.

One against nine. E. Shutilo, I. Leshchiuk. Kryl. rod. 14 no. 9:24 S '63.

WORLD WAR, 1939-1945—CHILDREN

She lost her child during the war. M. Tychyna. Rab. i sial. 39 no. 6 8 Je '63.

WORLD WAR, 1939-1945—NAVAL OPERATIONS—SUBMARINE

Savateev, P. N. [Attacks from the depths of the sea] Udary iz morskikh glubin. Moskva, Voen. izd-vo, 1961. 133 p. (Geroicheskoe proshloe nashei Rodiny) (InU)

WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Continuation of the combat glory. F. Miagkov. Za rul. 21 no. 5:11 My '63.

The driver rains. V. Moiseenko. Za rul. 21 no. 11:10-11 My '63.

Heroism in the Ardennes. Vladislav Stepanov. Ogonek 41 no. 26:20 Je '63.

Man against the tanks. Borys Khandros. Ukraina no. 19 6-7 Ag '63.

[Soldier's Glory; essays on the bearers of the Order of Glory] Soldatskaia Slava; ocherki i kavalerakh ordena Slavy. Moskva, Gospolitizdat, 1963. 525 p.

WORLD WAR, 1939-1945—REGIMENTAL HISTORIES

Kondaurov, I. A., comp. [Perm Tank Brigade; reminiscences] Permskaia tankovaia brigada, sbornik vospominanii. [Perm'] Permskoe knizhnoe izd-vo, 1962, 149 p.
(MH)

WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Born for heroic deeds. Vasil' Muravenko. Ukraina no. 20:10-11 Ag '63.

Friendly cooperation of the Soviet peoples in their underground struggle during the Great Patriotic War. M. V. Poprotskyi. Ukr. ist. zhur. 6 no. 3:82-88 My-Je '63.

Old friends have met again. V. Panamarov. Rab. i sial. 39 no. 6 8-9 Je '63.

Saburov, A. N. [Friends have the same roads] U druzei odni dorogi. Moskva, Voenizdat, 1963 268 p.

Vershigora, P. P., and V. A. Zeholov. [Guerilla raids; history of the guerilla movement during the Great Patriotic War of the Soviet Union, 1941-1945] Partizanskie reidy, iz istorii partizanskogo dvizhenila v gody Velikoi Otechestvennoi voiny Sovetskogo Soiuza, 1941-1945 gg. Kishinev, Izd-vo "Shtiintsa," Akad. nauk MSSR, 1962. 135 p
(NIC)

WORMS, INTESTINAL AND PARASITIC

(see also subdivision under Aktusu River; Kazakhstan; Kustanay Province; Maritime Territory; Soviet Far East; Turkmenistan; Zaysan Lake region)

Effect of cobalt radiation (Co^{60}) on the development of the eggs of ascarids and trichocephalus of swine and the eggs of Fasciola. V. D. Bubnov. Trudy VNIIVS 14:83-85 '59.

Intensifying measures for the control of helminthiasis. V. A. Lokhmanenko. Feld. i akush. 28 no. 2:3-5 F '63.

WORMWOOD see subdivision under Kazakhstan

WRAPPING MACHINES

New design of the cutter for automatic wrapping machines. G. L. Makhlis. Khleb. i kond. prom. 7 no. 8: 40 Ag '63.

WRENCHES

Wrench with a changing span. M. A. Rastorguev. Mashinostroitel' no. 7 22 Jl '63.

WRESTLING

Methods of teaching the overhead throw in competitive wrestling. I. I. Afikhanov, M. G. Okroshidze. Shor. trud. Gruz. gos. inst. fiz. kult. 5:249-255 '62.

Zaikin, I. M. [In the air and on the mat; memoirs] V vozdukhe i na arene; vospominaniia [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963. 155 p

WRITING—HISTORY

Pottery with the signs of the Aeneolithic and Bronze period and the history of writing. A. A. Formozov. Vest. drev. ist. no. 2:180-183 '63.

X-RAY CRYSTALLOGRAPHY

Geometrical aberrations and optimum conditions for X-ray diffraction measurements of polycrystals. L. S. Zevin, M. M. Umanskii, D. M. Kheiker. Kristallografiia 8 no. 4 663-673 Jl-Ag '63

Structure of the crystals $C_6H_5I_2X$. V. I. Pakhomov. Zhur. strukt. khim. 4 no. 4:591-601 Jl-Ag '63

Structure of the crystals $NaNH_4[MoO_3C_2O_4] \cdot 2H_2O$. L. O. Atovmian, G. B. Bokii. Zhur. strukt. khim. 4 no. 4 576-583 Jl-Ag '63

X-ray study of the lomonosovite-murmanite group [with summary in English]. A. D. Khalilov, E. S. Makarov. Geokhimiia no. 7:673-677 Jl '63.

X-RAY DIFFRACTION EXAMINATION

Effect of dislocations occurring in the decomposition of supersaturated solid solutions of nickel in germanium and copper in germanium on anomalous X-ray transmission. O. N. Efimov, A. M. Elishatov. Fiz. tver. tela 5 no. 8:2116-2127 Ag '63.

Eutectoid transformation of copper - lead and copper-beryllium alloys. M. I. Zakharova, I. B. Mogarychova. Kristallografiia 8 no. 4 601-609 Jl-Ag '63.

Magnetic susceptibility of semiconducting elements of the 4th group as determined by X-ray diffraction analysis. N. N. Sirota, A. U. Sheleg. Dokl. AN SSSR 152 no. 1:81-83 S '63.

Paramagnetic component of the magnetic susceptibility of $A^{III}B^{V}$ semiconducting compounds determined from X-ray diffraction analysis data. N. N. Sirota, N. M. Olekhnovich. Dokl. AN SSSR 151 no. 5:1079-1080 Ag '63.

Topographic X-ray diffraction study of MgO crystals. V. F. Miuskov, A. R. Lang. Kristallografiia 8 no. 4: 652-656 Jl-Ag '63.

Use of the X-ray diffraction method in determining the degree of orientation of crystallites in polymers. A. E. Gromov, A. I. Slutsker. Fiz. tver. tela 5 no. 8: 2185-2192 Ag '63.

X-ray diffraction examination and study of the magnetic and electric properties of the system $BiFeO_3$ and $LaFeO_3$. IU. E. Roginskaia and others. Kristallografiia 8 no. 4 610-616 Jl-Ag '63.

X-ray diffraction examination of polyethylene, polycaproamide, and polyehtylene terephthalate fibers [with summary in English]. IU. A. Zubov, G. S. Markova, V. A. Kargin. Vysokom. soed. 5 no. 8:1171-1177 Ag '63.

X-ray diffraction study of solid solutions of Al, Co, Cr, Se in La and Pr orthoferrites. A. A. Katsnel'son, K. IAtskul'iak. Kristallografiia 8 no. 4:600-603 Jl-Ag '63

X-RAY SPECTROSCOPY

Combined scanning electron microscope and X-ray microanalyzer with magnetic electron optics. IU. M. Kushnir and others. Izv. AN SSSR, Ser. fiz. 27 no. 9: 1166-1172 S '63.

X-RAY SPECTROSCOPY (Continued)

Effect of distortions during crystal flexure on X-ray reflection in a microfocal source. S. A. Ditsman. Trudy Inst. met. no. 15:24-31 '63.

Effect of impurities on the anomalous transmission of X rays in germanium. O. N. Efimov, A. M. Ellistratov. Fiz. tver. tela 5 no. 7 1869-1873 Jl '63.

Fine structure theory of X-ray absorption spectra. A. I. Kozlenkov. Trudy Inst. met. no. 15:96-119 '63.

Industrial X-ray spectral microanalyzer MAR-1. A. M. Solov'ev and others. Izv. AN SSSR, Ser. fiz. 27 no. 9 1162-1165 S '63.

Investigating L_{III} X-ray spectra of tin absorption in α-Sn, β-Sn, and Mg_2Sn. L. B. Borovskii, N. V. Troneva, G. N. Ronami. Trudy Inst. met. no. 15:88-95 '63.

New microfocal X-ray spectrograph. I. B. Borovskii, S. A. Ditsman, V. G. Bogdanov. Trudy Inst. met. no. 15:16-23 '63.

Temperature dependence theory of the fine structure of X-ray absorption spectra. V. V. Shmidt. Trudy Inst. met. no. 15:120-132 '63.

X-ray absorption L-spectra of lanthanum, praseodymium, neodymium, and samarium in oxides and flourides. E. E. Vainshtein, I. B. Staryi, M. N. Bril'. Dokl. AN SSSR 151 no. 1:120-121 Jl '63.

X RAYS

Evaluation of X-ray methods of examining external respiration [with summary in English]. M. S. Kamenetskii. Vrach. delo no. 8:73-75 Ag '63.

X RAYS—DIFFRACTION

Methods of obtaining and calculating X-ray powder patterns. A. A. Kashaev, T. K. Rafikov. Trudy Alt. GMNII AN Kazakh. SSR 14:131-133 '63.

X-ray diffraction study of the degree of orientation [with summary in English]. L. G. Kazarian, D. IA. TSvankin. Vysokom. soed. 5 no. 7:976-978 Jl '63.

X RAYS—EQUIPMENT AND SUPPLIES

Removable seat for the rotational attachment to the stand of the roentgen or gamma apparatus. M. Sh. Vainberg. Vest. rent. i rad. 38 no. 2:55-57 Mr-Ap '63.

X RAYS—PHYSIOLOGICAL EFFECT

Changes in the nucleoproteins of spinal ganglia in irradiated animals. V. M. Lavrinenko. Dokl. AN SSSR 151 no. 3:694-696 Jl '63.

Early changes in the chronaxy of the skin and visual analyzers following a single local roentgen irradiation [with summary in English]. A. S. Efimova. Med. rad. 7 no. 11:45-50 N '62.

Effect of ionizing radiation on the cardiac muscle of mammals. T. V. Tarapina. Dokl. AN SSSR 152 no. 1:202-204 S '63.

Effect of X-raying on the eggs of Artemia salina L. E. V. Bulakova, M. L. Kakushkina, N. V. Korneeva. Nauch. dokl. vys. shkoly; biol. nauki no. 3:83-87 '63.

Reparative restoration of liver in rats after the local X-ray irradiation. M. M. Kalashnikova. Dokl. AN SSSR 151 no. 1:213-216 Jl '63.

X RAYS—SCATTERING

Large periods in polyethylene terephthalate films [with summary in English]. A. I. Kitaigorodskii, D. IA. TSvankin, IU. M. Petrov. Vysokom. soed. 5 no. 7 1062-1068 Jl '63.

Methods of measuring the heat factor in the scattering of X rays. L. P. Potapov. Fiz. met. i metalloved. 16 no. 1:24-28 Jl '63.

Relation between heat capacity and the thermal factor of X-ray scattering. L. P. Potapov. Fiz. tver. tela 5 no. 7:1927-1932 Jl '63.

Small-angle chamber with proportional X-ray counter. D. A. Goganov, E. A. Porai-Koshits, IU. G. Sokolov. Prib. i tekh. eksp. 8 no. 3:155-160 My-Je '63.

X RAYS—THERAPEUTIC USE

Cytohistological shifts in polypous granulation tissue of the middle ear following X-ray irradiation. A. V. Fotin. Vest. otorin. no. 1:35-39 '63.

Postradiation changes in X-ray therapy of patients with cancer of the larynx. T. A. Cherniakova. Vest. otorin. no. 1:78-82 '63.

X-ray therapy in syringomyelia. V. A. Korchemnyi. Vrach. delo no. 6:129-130 Je '63.

XANTHENONE

Determination of antimony with phenylfluorone in active lead masses. E. N. Rozenblium, Zh. IA. Pochtman. Zav. lab. 29 no. 8:929 '63.

XANTHIC ACIDS

Spectropolarimetric study of certain amides and xanthates in connection with L. A. Chugaev's works. V. M. Potapov, V. M. Demianovich. Vest. Mosk. un. Ser. 2 khim. 18 no. 4:24-27 Jl-Ag '63.

XANTHOPHYLL

Characteristics of the dark reaction of interconversion of xanthophylls. N. V. Bazhanova, D. I. Sapozhnikov. Dokl. AN SSSR 151 no. 5:1219-1221 Ag '63.

Nature of the biosynthesis of plastid pigments in the virescence of leaves with different physiological characteristics. A. S. Khodzhaev. Bot. zhur. 48 no. 7:1030-1034 Jl '63.

XENON

Determination of the absolute age of monazites by the xenon method. IU. A. Shukoliukov, S. L. Mirkina. Geokhimiia no. 7:699-701 Jl '63.

XEROGRAPHY

Accuracy of tone reproduction in electrophotography. S. I. Khotianovich. Zhur. nauch. i prikl. fot. i kin. 8 no. 5:327-334 S-O '63.

XYLENE—SPECTRA

Calculation of intensities and depolarization in the Raman spectrum of paraxylene. B. N. Shepurev. Izv. vys. ucheb. zav., fiz. no. 4:40-47 '63.

XYLENOL ORANGE

New photometric methods for the determination of niobium and tantalum in metals and alloys. Report No. 2. Photometric determination of niobium with xylenol orange [with summary in English]. S. V. Elinson, L. I. Pobedina. Zhur. anal. khim. 18 no. 6:734-738 Je '63.

XYLITOL

Leikin, E. R., and G. D. Soboleva. [Production of xylitol] Proizvodstvo ksilita. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1962. 62 p. (Gidroliz i lesokhimiia) [MICROFILM]

YAKHROMA—TEXTILE FACTORIES

Denisov, V. I. [Mechanization of work in the Yakhroma spinning and weaving factory] Mekhanizatsiia truda na IAkhromskoi priadil'no-tkatskoi fabrike. Moskva, Gizlegprom, 1963. 32 p.

YAKUTIA—BEETLES, FOSSIL

Preliminary data on the use of the coleopterological analysis in studying Quaternary sediments of northern Yakutia. I. I. Grushevskii, L. N. Medvedev. Sbor. st. po paleont. i bistrat. no. 28:38-42 '62.

YAKUTIA—COAL GEOLOGY

Correlating a coal-bearing formation by heavy minerals. A. A. Kordikov. Dokl. AN SSSR 151 no. 1:171-174 Jl '63.

YAKUTIA—COMMUNITY CENTERS

We will not let our fathers' banner fall. M. Timofeev. Komsom. zhizn' no. 13:18-19 Jl '63.

YAKUTIA—CRIMINAL INVESTIGATION

Criminal investigator Khogal is directing the examination of this case. F. Mikhailov. Sots. zakon. 40 no. 6:79-80 Je '63.

YAKUTIA—DEER BREEDING

Courageous dynasty. IU. Krivonosov. Ogonek 41 no. 26:24-25 Je '63.

YAKUTIA—FISHERIES

Use efficiently the fish stocks in the bodies of water of Yakutia. V. S. Rybnikov. Ryb. khoz. 39 no. 8:25-28 '63.

YAKUTIA—GEOLOGY, STRATIGRAPHIC

Preliminary data on the use of the coleopterological analysis in studying Quaternary sediments of northern Yakutia. I. I. Grushevskii, L. N. Medvedev. Sbor. st. po paleont. i bistrat. no. 28:38-42 '62.

YAKUTIA—GOLD

Communist prospectors. A. Khorkhorin. Part. zhizn' no. 16:61-64 Ag '63.

YAKUTIA—MERCURY ORES

Mercury in the rocks and minerals of northeastern Yakutia. I. IA. Nekrasov, M. A. Timofeeva. Trudy IAFAN SSSR, Ser. geol. no. 16:23-38 '63.

YAKUTIA—NAMES, GEOGRAPHICAL

Systematization of the transliteration of geographic names on topographic maps of Yakutia. G. V. Naumov. Geod. i kart. no. 6:56-58 Je '63.

YAKUTIA—RHENIUM

Distribution of rhenium in the rocks and molybdenites of skarn and hydrothermal deposits in northeastern Yakutia. I. IA. Nekrasov, K. S. Pakhomova. Trudy IAFAN SSSR, Ser. geol. no. 16:49-55 '63.

YAKUTIA—SOCIAL CONDITIONS

Courageous dynasty. IU. Krivonosov. Ogonek 41 no. 26:24-25 Je '63.

YARN—CLASSIFICATION

Classification and terminology of bulky and elastic yarn. K. N. Maslennikov. Standartizatsiia 27 no. 7:34-39 Jl '63.

YARN—DRYING

Review of N. G. Morozov's article "Ways for the intensification of linen yarn drying on cross-wound bobbins." M. F. IAzychkov, V. V. Dolgov. Izv. vys. ucheb. zav.; tekh. tekst. prom. no. 3:158 '63.

Ways to reduce the nonuniformity of drying of linen yarn on soft-wound bobbins. G. N. Morozov. Izv. vys. ucheb. zav., takh. tekst. prom. no. 3:112-117 '63.

YAROSLAVL—STARCH INDUSTRY

Testing of the hydrocyclone for sand separation in the Yaroslavl Starch and Molasses Combine. V. I. Rai... Sakh. prom. 37 no. 9:54-58 S '63.

YAROSLAVL PROVINCE—AUDIO-VISUAL EDUCATION

Technical means in educational work. D. Sakulin. ... obs. no. 8:79-81 Ag '63.

YAROSLAVL PROVINCE—DEFICIENCY DISEASES IN SHEEP

Biogeochemical province poor in iodine [with summaries in English, German, and French]. M. I. Gerasi... Vest. sel'khoz. nauki 8 no. 4:77-80 Ap '63.

YEAST

Cell composition of Torula utilis under conditions of synchronous reproduction. I. A. Khmel'. Dokl. AN SSSR 151 no. 3:704-707 Jl '63.

Dynamics of the postradiation restoration of yeast cells as related to the dose of gamma irradiation. V. S. Bersukov, O. V. Malinovskii, N. M. Mitiushova. Dokl. AN SSSR 151 no. 1:209-212 Jl '63.

Selecting yeast species. G. M. Smirnova and others. Khleb. i kond. prom. 7 no. 8:5-7 Ag '63.

YEAST—ANALYSIS

Korotchenko, N. I. [Vitamin content of feed yeasts and methods for its determination] Soderzhanie i metody opredeleniia vitaminov v kormovykh drozhzhakh. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963. 39 p. (Gidroliz i lesokhimiia) [MICROFILM]

YEMEN—POLITICS AND GOVERNMENT

Demchenko, P. E. [A new day dawns in Yemen, diary of a Soviet journalist] Novyi den' Iemena, zapiski sovetskogo zhurnalista. Moskva, Gospolitizdat, 1963. 31 p.

The imamate and its lethal weapon. O. Gerasimov. Az. i Afr. segodnia no. 8:62-63 Ag '63.

YEMEN—PUBLIC HEALTH

Galkin, V. A. [In Yemen; Soviet physician's notes] V Iemene, zapiski sovetskogo vracha. Moskva, Izd. vostochnoi lit-ry, 1963. 104 p.

YEMEN—SOCIAL CONDITIONS

Galkin, V. A. [In Yemen; Soviet physician's notes] V Iemene, zapiski sovetskogo vracha. Moskva, Izd. vostochnoi lit-ry, 1963. 104 p.

YENISEY BAY—ICE

Buckling of the ice cover caused by uneven melting. I. G. Petrov. Probl. Arkt. i Antarkt. no. 13:59-63 '63.

YENISEY BAY—SEAWATER—OPTICAL PROPERTIES

Penetration of solar radiation into the sea. V. M. Lit... vich. Probl. Arkt. i Antarkt. no. 13:105-108 '63.

YENISEY RIDGE—ALKALI METALS

Lithium, rubidium, and cesium in alkali rocks of the Yenisey Ridge [with summary in English]. L. V. ... nikova, G. E. Kalenchuk. Geokhimiia no. 12:1054-1... '63.

YENISEY RIDGE—GEOLOGICAL TIME

Absolute age of some rocks in the southern part of the Tarakskii massif in the Yenisey Ridge [with summary in English]. IU. M. Artemov. Geokhimiia no. 2:174-178 F '63.

YENISEY RIDGE—ROCKS, IGNEOUS—ANALYSIS

Lithium, rubidium, and cesium in alkali rocks of the Yenisey Ridge [with summary in English]. E. V. Sveshnikova, G. E. Kalenchuk. Geokhimiia no. 12:1055-1... '62.

YENISEY VALLEY—FORAMINIFERA, FOSSIL

Foraminifers of the Lower Volga Stage from the sections of the Yeloguy and Turukhansk key holes. S. P. Bulynnikova. Trudy SNIIGGIMS no. 23:74-79 '62.

YEREVAN see Erivan

YERMAK—ELECTRIC POWER PLANTS

Construction project of the 2,100 Mw Yermak State Regional Electric Power Plant. I. L. TSinovoi. Elek. sta. 34 no. 6:2-12 Je '63.

YEVPATORIYA—MINERAL WATERS

Effect of "Moinaki" mineral water on the secretory and evacuatory function of the stomach. D. L. Persits, V. G. Sokolovskaia. Vrach. delo no. 8:127-128 Ag '63.

YEVPATORIYA—PHYSICAL THERAPY

Results of compound treatment of children with spastic paralysis at the Yevpatoriya Health Resort. K. A. Semenova, E. S. Dotsenko. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 5:409-412 S-O '62.

YEVPATORIYA—TONSILS—DISEASES

Treatment of chronic tonsillitis in children in Yevpatoriya. M. V. Ivanova. Sov. med. 27 no. 7:94-97 Jl '63.

YOUNG COMMUNIST LEAGUE see Communist Youth League

YOUNG MEN AS AUTHORS see subdivision under Chechen-Ingush A. S. S. R.

YOUNG WOMEN see subdivision under Uzbekistan

YOUTH
(see also subdivision under Denmark; Moscow)
Communists and youth E. Kachugin, Mol komm, no. 8:106-110 Ag '63.
The most important problem I. Soldatenko, Mol komm, no. 7:48-53 Jl '63.
"Our contemporary." Reviewed by I. Grigor'ev, Mol. komm, no. 9:123-124 S '62.
A talk on life. N. Pentiukhova Mol komm. no 7:124-126 Jl '63.

YOUTH—CONGRESSES
From a journalist's notebook. G. Marchik, Mol. komm, no. 9:15-20 S '62.
Let there always be a sky. A. Razorenova, Mol. komm, no. 8:128-129 Ag '63.
"Sputnik" at the Festival. D. Kuznetov, O. Spasskii, Mol. komm, no. 9:12-20 S '62.

YOUTH—EMPLOYMENT
Foreman, Volod'ka, and the "Jack." T. Kostina Mol. komm, no. 7:87-92 Jl '63.
Soviet legislation on juvenile labor. A. IArkho, Sots. trud 8 no. 6:139-145 Je '63.

YTTRIUM
Fine structure of the angular dependence of the resonance curve width in yttrium garnet with terbium admixture. A. G. Gurevich, V. I. Solov'ev. Fiz. tver. tela 5 no. 7:2019-2021 Jl '63.

YTTRIUM SILICATE
Solid solutions of tricalcium silicate with yttrium oxyorthosilicate. N. A. Toropov, A. I Boikova Dokl. AN SSSR 151 no. 5:1111-1117 Ag '63.

YUGOSLAVIA—BIBLIOGRAPHY
[New literature on Yugoslavia] Nov. lit. po IUg. no. 6 '63.

YUGOSLAVIA—BRIDGES, CONCRETE
Bridge building in Yugoslavia. E. A. Artamonov, V. P. Karmentsev. Transp. stroi. 13 no. 6.69-72 Je '63.

YUGOSLAVIA—ECONOMIC CONDITIONS
Life in Yugoslavia. IUrii Zhilin, Vadim Zagladin Nov vrem. 21 no 34 6-8 Ag '63

YUGOSLAVIA—FOLK ART
[Folk artists and primitivists of Yugoslavia; painting, sculpture. Catalog of an exhibition] Narodnye khudozhniki-primitivisty IUgoslavii; zhivopis', skul'ptura. Katalog vystavki. Leningrad, Izd-vo Gos. Ermitazha, 1963. 25 p. illus.

YUGOSLAVIA—FOREIGN RELATIONS—RUSSIA
Bon voyage! Nov. vrem. 21 no. 34-1-2 Ag '63.
Yugoslavs and the Soviet Union. IU. Zhilin, V. Zagladin. Nov. vrem. 21 no. 35:3-6 Ag '63.

YUGOSLAVIA—HISTORY
Akademiia nauk SSSR. Institut slavianovedeniia. [History of Yugoslavia in two volumes] Istoriia IUgoslavii v dvukh tomakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 2 v.

YUGOSLAVIA—LAWYERS
Yugoslav lawyers have visited Moscow. Sots. zakon. 40 no. 6:67 Je '63.

YUGOSLAVIA—POLITICS AND GOVERNMENT
Life in Yugoslavia. IUrii Zhilin, Vadim Zagladin. Nov. vrem 21 no. 34:6-8 Ag '63
Yugoslavs and the Soviet Union. IU. Zhilin, V. Zagladin. Nov. vrem. 21 no. 35:3-6 Ag '63.

YUGOSLAVIA—POPLAR
Poplar plantations in Yugoslavia. I. A. Biziaev, P. I. Moroz, S. A. Rostovtsev. Les. khoz. 16 no. 5:88-93 My '63.

YUGOSLAVIA—SHIPBUILDING
Yugoslavia-built ship. Sudostroenie 29 no. 7:76-77 Jl '63.

YUGOSLAVIA—TUNNELS
Construction of tunnels for hydraulic engineering purposes in Yugoslavia. I. E. TSimbarg. Transp. stroi. 13 no. 7:73 Jl '63.

YUKHNOV DISTRICT—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK
Rodionov, M. A., and O. M. Kozopolianskii. [Veterans remain at duty] Veterany ostaiutsia v stroiu. Moskva, Gospolitizdat, 1963. 43 p. (Voprosy partiinogo stroitel'stva)

YUKHNOV REGION—FOREST NURSERIES
How we grow Siberian pine seedlings. V. V. Reutov, S. I. Kiseleva. Les. khoz. 16 no. 6:38 Je '63.

ZABLUDOVSKAIA, ELENA DAVYDOVNA, 1902-
On the sixtieth birthday of E. D. Zabludovskaia. Vop. kur., fiziot. i lech. fiz. kul't. 27 no. 5:469 S-O '62.

ZAILIYSKIY ALATAU see Trans-Ili Alatau

ZAPOROZH'YE—IRON AND STEEL PLANTS
Pritykin, D. P., and A. V. Drimbo. [Modernizing the sintering department of the "Zaporozhstal'" Plant] Rekonstruktsiia agiomeratsionnoi fabriki zavoda "Zaporozhstal'." Moskva, Metallurgizdat, 1963. 94 p.

ZARAYSK DISTRICT—CALVES—FEEDING AND FEEDS
Intensive fattening is a dependable means for increasing meat production. I Khusainov. Ekon. sel'khoz. 34 no. 7 60-62 Jl '63.

ZARUBIN, IVAN IVANOVICH, 1887-
Akademiia nauk SSSR. Institut iazykoznaniia. [Iranian collection dedicated to the seventy-fifth birthday of Professor I. I. Zarubin] Iranskii sbornik, k semidesiatipiatiletiiu professora I. I. Zarubina Moskva, Izd-vo vostochnoi lit-ry 1963 254 p

ZATONS'KYI, VOLODYMYR PETROVYCH, 1888-1937 (?)
Ardent fighter for the happiness of our people; on the 75th anniversary of V. P. Zatons'kyi's birth. A. V. Hrechko. Ukr. ist. zhur. 6 no. 3 111-113 My-Je '63.
Faithful son of the Communist Party, on the 75th anniversary of V. P. Zatonskii's birth. I. M Danishevskii and others Vop ist. KPSS 7 no. 9 74-77 S '63.

ZAVKI, ABDULLA SALIKH, 1853-1921
Zavki's social and political views. G. Shaiusupova Nauch. rab. i soob. Otd. obshchestv. nauk AN Uz SSR 5:281-291 '62.

ZAYSAN LAKE REGION—PARASITES—COOTS
Helminths of common coot (Fulica atra L.) in Lake Zaysan. T. S. Stuge. Trudy Inst. zool. AN Kazakh SSR 19:121-125 '63.

ZAYSAN LAKE REGION—WORMS, INTESTINAL AND PARASITIC
Helminths of common coot (Fulica atra L.) in Lake Zaysan, T. S. Stuge. Trudy Inst. zool. AN Kazakh SSR 19:121-125 '63.

ZELENODOL'SK REGION—PINE
Investigating the growth and development of pine plantations grown from seeds of various geographical origins. P. D. Trusov. Trudy Kaz. SKHI no. 43:127-151 '61.

ZEOLITES
Study of the water condition in some zeolites [with summary in English] G. V. IUkhnovich, E. F. Sanderov. Geokhimiia no. 1:48-57 Ja '63
Use of molecular sieves for an advanced stage of ethylene refining. M. B. Volf and others. Khim. i tekh. topl. i masel 8 no. 8:23-30 Ag '63.

ZEOLITES—ELECTRIC PROPERTIES
Electric conductivity of synthetic zeolites. K. V. Topchieva, I. F. Moskovskaia, V. IA. Stetsenko. Zhur. fiz. khim. 37 no. 8:1883-1885 Ag '63.

ZERNOVA, EKATERINA SERGEEVNA, 1900-
Shantyko, N. I. Ekaterina Sergeevna Zernova. Moskva, Sovetskii khudozhnik, 1962. 90 p. (MH)

ZHDANOV—IRON AND STEEL PLANTS
The "Azovstal'" metallurgical plant is 30 years old. V. V. Leporskii. Stal' 23 no. 8 673-675 Ag '63.
Expansion and reorganization of the "Azovstal'" plant. G. G. Lukashov, V. A. Avdeev. Stal' 23 no. 8:676-676 Ag '63.

ZHDANOV—ROLLING (METALWORK)
Experience in adopting the production of lightweight rolled shapes at the "Azovstal'" plant. V. IA. Pavlovskii, N. S. Valenko, M. M. Grevtsov. Stal' 23 no. 8.721-723 Ag '63.

ZHDANOV—STEEL—METALLURGY
Steel production in tilting open-hearth furnaces at the "Azovstal'" plant. P. M. TSvetkov, G. F. Shatskov. Stal' 23 no. 8.713-714 Ag '63.

ZHITKOVICHI REGION—WEATHERING
Some mineralogical and geochemical data on the ancient weathering crust of the Zhitkovichi region S. D Makhnach, V. K Lukashev Dokl. AN BSSR 6 no. 12: 791-794 D '62.

ZHITOMITSKII, ALEKSANDR
Direct hits. B. Polevoi. Ogonek 41 no. 31:32 Jl '63.

ZHUKOVSKIY—AUXILIARY POLICE
Voluntary policemen of the city of Zhukovskiy. V. Bocharnikov. Sov. iust. no. 9:20-21 My '63.

ZINC
Behavior of lead and zinc in phase and facies magmatic differention [with summary in English]. R. D. Gavrilin, L. A. Pevtsova. Geokhimiia no. 6.732-745 Ag '63.
Heat effect in the dissolution of zinc in acids [with summary in English]. I. I. Zabolotnyi, D. P. Frankevich. Zhur. fiz. khim. 37 no. 8:1661-1664 Ag '63.
Perfluorodimethylketene and perfluoromethacrylic acid. Report No. 3: Comparison of haloanhydrides of α-halohexafluoroisobutyric acids in the reaction with zinc. IU. A. Cheburkov, E. I. Mysov, I. L. Knunyants. Izv. AN SSSR, Ser. khim. no. 9:1570-1572 S '63.

ZINC—HEAT TREATMENT
Accelerating processes of leaching zinc calcines and an increase in labor productivity. K. T. Akhmetov and others. Trudy Alt. GMNII AN Kazakh. SSR 14:176-190 '63.

ZINC—METALLURGY
Behavior of arsenic in the process of leaching zinc residues in a sulfuric acid solution. V. G. Ageenkov, Z. A. Serikov. Izv. vys. uchob. zav.; tsvet. met. 6 no. 3:85-95 '63.

ZINC CHLORIDE
Solubility of zinc chloride in aqueous solutions of ammonia at 35°C (region of ammoniate formation) R S Mkhitarian, L. O. Zatikian Izv. AN Arm. SSR. Khim. nauki 16 no. 4 343-346 '63

ZINC CRYSTALS
Pyramidal gliding in zinc crystals F. F Lavrent'ev, O P Salita. Dokl AN SSSR 151 no 5:1071-1073 Ag '63
Simultaneous effect of radioactive rays and mercury on the mechanical properties of single crystals of zinc O A Troitskii, I M Kulebkov, V I Likhtman Fiz met. i metalloved 16 no 1 14-50 Jl '63.

ZINC CRYSTALS—ELECTRIC PROPERTIES
Effect of pressure on the Fermi surface of zinc and cadmium [with summary in English]. IU. P. Gaidukov, E. S. Itskevich Zhur. eksp. i teor. fiz 45 no. 2:71-82 Ag '63.

ZINC INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Ust'-Kamenogorsk

ZINC ORES
Photocolorimetric determination of zinc in ores with the aid of 3-hydroxy -1-o-nitrophenyl-3-phenyltriazene. I. P. Khazova. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2:218-222 '63.

ZINC OXIDE
Role of zinc oxide in the vulcanization of rubbers by tetramethylthiuram disulfide [with summary in English]. R. Sh. Frenkel', A. S. Kuz'minskii. Vysokom. soed. 5 no 8:834-838 Je '63.

ZINC PLATING
Cathodic deposition of zinc and lead at high current densities. G. A. Emel'ianenko, E. IA. Barbarova, G. G. Simulin. Ukr khim. zhur 29 no. 5:515-518 '63.

ZINC SALTS
Kinetics and mechanism of the decomposition of zinc hydrosulfite in aqueous solution. IU. A. Lobanov, T. I. Kunin, G. M. Smirnova. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 2:189-194 '63.

ZINC SELENIDE
Kinetics of the formation of films of zinc selenide on zinc single crystals in the process of reactive diffusion N N. Shiota, N.N. Korent' Dokl. AN BSSR 6 no. 12 760-761 D '62

ZIRCON see subdivision under Il'men Mountains; Vishnevyye Mountains

ZIRCON CRYSTALS
Paramagnetic resonance of Nb^{4+} ions in zircon single crystals. V. M. Vinokurov and others. Fiz. tver. tela 5 no. 7:2034-2035 Jl '63.

ZIRCONIUM COMPOUNDS
Complex formation in the system zirconium - dianilpyrylmethane - thiocyanate. M. M. Tananaiko. Ukr. khim. zhur. 29 no. 6 566-571 '63.

ZIRCONIUM NITRIDES
Density and degree of disorder in some solid phases of varying composition [with summary in English]. L. I. Smagina, V. S. Kutsev. Zhur. fiz. khim. 37 no. 8:1813-1817 Ag '63.

ZIRCONIUM PLATING
Cathodic processes in the deposition of zirconium from chloride melts [with summary in English]. M. V. Smirnov, A. N. Baraboshkin, V. E. Komarov. Zhur. fiz. khim. 37 no. 8:1669-1676 Ag '63.
Cathodic processes in the deposition of zirconium from mixed chloride-fluoride melts [with summary in English]. M. V. Smirnov, A. N. Baraboshkin, V. E. Komarov. Zhur. fiz. khim. 37 no. 8:1677-1681 Ag '63.

ZNAMENOVKA (DNEPROPETROVSK PROVINCE)—REVOLUTION, 1917-1921
Znamenovka during the civil war. P. M. Balkovyi. Ukr. ist. zhur. 6 no. 3.101-102 My-Je '63.

ZONE MELTING
Medovar, B. I., and IU. V. Latash. [The rebirth of steel] Stal' rozhdaetsia vnov'. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike, IV Seriia: Tekhnika, no. 16)
Peculiarities of the operating conditions of electric slag refining equipment. L. N. Belianchikov and others Izv. vys. ucheb. zav.; chern. met. 6 no. 7:76-82 '63.

ZOOLOGY see subdivision under Carpathian Mountains

ZOOLOGY—VARIATION
Brief news and information. Zool. zhur. 42 no. 8:1283-1286 '63.
Variability of Coregonidae [with summary in English]. IU. S. Reshetnikov. Zool. zhur. 42 no. 8:1167-1190 '63.

ZUNYITE CRYSTALS
Crystalline structure of zunyite $Al_{13}(OH)_{18}Si_5O_{20}Cl$ [$Al_{12}(OH)_{18}\cdot SiO_4\cdot[AlSiO_4]_4$] Cl. IU. G. Zagal'skaia, N. V. Belov. Kristallografiia 8 no 4:533-537 Jl-Ag '63

ZYRYANOVSK—LEAD INDUSTRY
The core of ideological work. E. Sokolova. Part. zhizn' Kazakh. 33 no. 8:14-16 Ag '63.

ZYRYANOVSK REGION—MAMMALS, FOSSIL
Lesser mammals of the late Cenozoic from the Zyryanovsk region (Rudnyy Altai). I. S. Chumakov. Mat. po ist. fauny i flory Kazakh. 4:210-214 '63.

Monthly Index *of* Russian Accessions

Volume 16, No. 10 January 1964

THE LIBRARY OF CONGRESS
WASHINGTON : 1964

INTRODUCTORY NOTE

The MONTHLY INDEX OF RUSSIAN ACCESSIONS* is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Whenever possible, publications printed in other languages spoken in the Soviet Union are also included.

The MONTHLY INDEX consists of three parts. Part A lists monographic literature, but no accessions published earlier than 1954 are included. To facilitate the use of this INDEX by readers who are not thoroughly familiar with the Russian language, the title in the original language in Part A is preceded by its English translation in brackets.

Part B lists Russian periodicals received, but excludes accessions printed earlier than 1954. Certain Soviet periodicals are being translated into English from cover to cover and published regularly in translation in the United States and other English-speaking countries. A list of such translated periodicals, their publishers, subscription prices, etc., is given at the end of each issue of the *Monthly Index*. In Part B such periodicals are indicated by an asterisk before the periodical title.

Part C provides subject analysis of the monographic titles listed in Part A and of the articles appearing in the periodicals enumerated in the *List of Periodicals Indexed and Abbreviations Used* at the beginning of Part C. The number and letter in parentheses following each abbreviation indicate the class and subclass in which the periodical appears in Part B. For the convenience of readers desiring to examine only monographs or periodical articles, the monographs are printed in slightly heavier type than the periodical articles. The titles of monographs are given both in the original language and in English translation, whereas titles of periodical articles are given in English translation only.

Sample title: Some data on lung-to-heart reflexes in amphibians. A. E. Alekseev. Biul. eksp. biol. i med. 54 no. 12: 18–22 D '62.

Explanation: An article with title given above in English translation, written by A. E. Alekseev, will be found in the December 1962 issue of *Biulleten' eksperimental'noi biologii i meditsiny*, vol. 54, no. 12, pages 18–22.

A cumulative list of periodicals included in the current volume appears in number 12 of that volume. This list is arranged by subject; the symbols of American libraries other than the Library of Congress, known to have files of such periodicals, follow each title.

Except in Part C, the material is divided into 17 subject classes and is arranged alphabetically within each class. In addition, for the convenience of the reader, the serials listed in Part B are divided within each subject class into several subclasses. All entries are transliterated according to the usual Library of Congress system except that ligatures are omitted. Unless otherwise indicated, all listed items are represented in the collections of the Library of Congress. Symbols representing other libraries indicate when items are available in those libraries. Curves ( ) around a symbol indicate that at the time of receipt the material was available in another library but not in the Library of Congress.

Cumulative author, subject, and periodical location indexes to the first four volumes of the MONTHLY INDEX are available as separate publications. Beginning with Volume 5, an author index to the monographs, and a periodical location index for the entire volume are furnished as appendices to the first two issues of the following volume.

Orders for microfilm or photostat copies of the listed items that are in the collections of the Library of Congress may be placed with the Photoduplication Service, Library of Congress, Washington, D. C. 20540

The MONTHLY INDEX OF RUSSIAN ACCESSIONS is for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402

Price of single copies varies; subscription price, $12.00 a year domestic, $16.00 a year foreign. Price of Cumulative Index to Volumes 1–3, $1.50; to Volume 4, $0.60.

L. C. card, 48-46562

*Volumes 1–10 (No. 9), 1948–1957, issued under title *Monthly List of Russian Accessions*.

SYMBOLS OF LIBRARIES REPORTING RECEIPT OF PUBLICATIONS

AAP	Auburn University, Auburn, Ala.
AMAU	Air University Library, Maxwell Air Force Base, Montgomery, Ala.
AU	University of Alabama, University
AzU	University of Arizona, Tucson
C	California State Library, Sacramento
CCC	Honnold Library, Claremont, Calif.
CFS	Fresno State College, Fresno, Calif.
CL	Los Angeles Public Library
CLCM	Los Angeles County Museum Library, Los Angeles
CLL	Los Angeles County Law Library, Los Angeles
CLM	Los Angeles County Medical Association, Los Angeles
CLSU	University of Southern California, Los Angeles
CLU	University of California at Los Angeles
CMthL	University of California, Lick Observatory, Mount Hamilton
CPT	California Institute of Technology, Pasadena
CSf	San Francisco Public Library
CSfA	California Academy of Sciences, San Francisco
CSfU	University of San Francisco, San Francisco
CSmH	Henry E. Huntington Library, San Marino, Calif.
CSt	Stanford College Libraries, Stanford, Calif.
CSt–H	— The Hoover Institution on War, Revolution, and Peace
CSt–L	— Lane Medical Library
CStbS	University of California, Santa Barbara Library, Goleta
CStmoR	Rand Corporation, Santa Monica, Calif.
CU	University of California, Berkeley
CU–A	— University of California, Davis
CU–B	— Bancroft Library, Berkeley
CU–E	— East Asiatic Library, Berkeley
CU–M	— Medical Center, San Francisco
CU–Riv	— College of Arts, Letters and Science, Riverside
CU–S	— Scripps Institution of Oceanography, La Jolla
CaAEU	University of Alberta, Edmonton, Canada
CaBVa	Vancouver Public Library, Vancouver, Canada
CaBVaU	University of British Columbia, Vancouver, Canada
CaBViPA	Provincial Archives, Victoria, Canada
CaMWM	Medical Library of the University of Manitoba, Winnipeg, Canada
CaOKQ	Queen's University, Kingston, Canada
CaOL	London Public Library, London, Canada
CaOOA	Public Archives Library, Ottawa, Canada
CaOOAg	Department of Agriculture, Main Library, Ottawa, Canada
CaOLU	University of Western Ontario, London, Canada
CaOOF	Department of Finance Library, Ottawa
CaOOG	Geological Survey of Canada, Ottawa, Canada
CaOOGB	Geographical Branch, Department of Mines and Technical Surveys, Ottawa, Canada
CaOOH	Laboratory of Hygiene, Ottawa, Canada
CaOOM	Bureau of Mines Library, Ottawa
CaOON	National Research Council, Ottawa, Canada
CaOONM	National Museum, Ottawa, Canada
CaOOS	Dominion Bureau of Statistics, Ottawa, Canada
CaOOU	University of Ottawa, Ottawa, Canada
CaOTM	Library, Meteorological Branch, Air Services, Dept. of Transport, Toronto, Canada
CaOTR	Royal Canadian Institute, Toronto. (Collection included with CaOTU)
CaOTU	University of Toronto, Toronto, Canada
CaQMAI	Arctic Institute of North America, Montreal, Canada
CaQMBM	Bibliothèque de la Ville de Montréal, Collection Gagnon, Montreal
CaQMM	McGill University, Montreal, Canada
CaQMU	La Bibliothèque de l'Université de Montréal, Montreal
CaSSU	University of Saskatchewan, Saskatoon, Canada
CoBBS	U. S. National Bureau of Standards, Boulder Laboratories, Colorado
CoD	Denver Public Library
CoDM	Medical Society of the City and County of Denver
CoFS	Colorado State University, Fort Collins
CoU	University of Colorado, Boulder
CtHT	Trinity College, Hartford, Conn.
CtU	University of Connecticut, Storrs
CtW	Wesleyan University, Middletown, Conn.
CtY	Yale University, New Haven
CtY–L	— Law Library
CtY–M	— Medical School Library
DAIA	American Institute of Architects Library, Washington, D. C.
DAL	U. S. Army Library, Pentagon Building
DBC	U. S. Bureau of the Census Library
DBS	U. S. National Bureau of Standards Library
DC	U. S. Department of Commerce Library
DCU	Catholic University of America Library, Washington, D. C.
DDC	Dominican House of Studies, Immaculate Conception Convent Library, Washington, D. C.
DDO	Dumbarton Oaks Research Library of Harvard University, Washington, D. C.
DFR	Board of Governors of the Federal Reserve System
DI	U. S. Department of the Interior Library
DI–GS	— Geological Survey Library
DM	U. S. Bureau of Mines Library. (Library integrated with DI)
DN	U. S. Department of the Navy Library
DN–HO	— Naval Oceanographic Office Library
DN–Ob	— Naval Observatory Library
DN–RL	Naval Research Laboratory Library, Anacostia Station, Washington, D. C.
DNAL	National Agricultural Library
DNIH	National Institutes of Health Library, Bethesda, Md.
DNLM	U. S. National Library of Medicine
DNW	U. S. National War College Library, Fort McNair
DP	U. S. Patent Office Library
DS	U. S. Department of State Library
DSC	Scottish Rite Supreme Council Library
DSI	Smithsonian Institution Library, Washington, D. C.
DSI–AO	— Astrophysical Laboratory Library
DSI–E	— Bureau of American Ethnology Library
DSI–M	— National Museum Library
DWB	U. S. Weather Bureau Library
DeU	University of Delaware, Newark
FMU	University of Miami, Coral Gables, Fla.
FTaSU	Florida State University, Tallahassee
FU	University of Florida, Gainesville
GAT	Georgia Institute of Technology, Atlanta
GEU	Emory University, Atlanta
GU	[illegible]
I	
IArg	
IC	
ICA	
ICAC	
ICF	
ICJ	
ICMILC	
ICN	
ICU	
ICU–Y	
ICarbS	
IEN	
IEN–M	
IHi	
IU	

IaAS	Iowa State University of Science and Technology, Ames
IaU	State University of Iowa, Iowa City
IdNTS	National Reactor Testing Station, Technical Library, Phillips Petroleum Company, Idaho Falls, Idaho
IdU	University of Idaho, Moscow
In	Indiana State Library, Indianapolis
InIA	Indiana Academy of Science Library, Indianapolis
InLP	Purdue University, Lafayette, Ind.
InNd	University of Notre Dame, Notre Dame, Ind.
InU	Indiana University, Bloomington
KAS	St. Benedict's College, Atchison, Kan.
KMK	Kansas State University, Manhattan
KU	University of Kansas, Lawrence
KU-L	— School of Law Library
KU-M	— Medical Center Library, Kansas City
KyU	University of Kentucky, Lexington
LNHT	Howard-Tilton Memorial Library of Tulane University, New Orleans, La.
LU	Louisiana State University, Baton Rouge
MA	Amherst College, Amherst, Mass.
MB	Boston Public Library
MBA	American Academy of the Arts and Sciences, Boston
MBAt	Boston Athenaeum, Boston
MBM	Boston Medical Library, Boston
MBN	Boston Society of Natural History, Boston
MBU	Boston University
MBdAF	U. S. Air Force Cambridge Research Center, Bedford, Mass.
MCM	Massachusetts Institute of Technology, Cambridge, Mass.
MH	Harvard University, Cambridge, Mass.
MH-A	— Arnold Arboretum, Jamaica Plain
MH-AH	— Andover-Harvard Theological Seminary Library
MH-BH	— Blue Hill Meteorological Observatory, Milton, Mass.
MH-BL	— Biological Laboratories Library
MH-C	— Chemistry Library
MH-F	— Farlow Reference Library
MH-FA	— Fogg Art Museum Library
MH-G	— Gary Herbarium Library
MH-GM	— Gordon McKay Library
MH-HY	— Harvard-Yenching Institute (Chinese-Japanese Library)
MH-L	— Law School Library
MH-M	— Schools of Medicine, Public Health and Dental Medicine, Boston
MH-Mi	— Mineralogical Library
MH-O	— Astronomical Observatory, the Phillips Library
MH-P	— Peabody Museum Library
MH-PR	— Physics Research Library
MH-SD	— Graduate School of Design Library
MH-Z	— Museum of Comparative Zoology Library
MMeT	Tufts University, Medford, Mass.
MNS	Smith College, Northampton, Mass.
MWelC	Wellesley College, Wellesley, Mass.
MWhB	Marine Biological Laboratory, Woods Hole, Mass.
MdAN	U. S. Naval Academy, Annapolis
MdBJ	Johns Hopkins University, Baltimore
MdBWA	Walters Art Gallery, Baltimore
MdU	University of Maryland, College Park
MeB	Bowdoin College, Brunswick, Maine
MeWC	Colby College, Waterville, Maine
MiD	Detroit Public Library
MiDA	Detroit Institute of Arts
MiDW	Wayne State University, Detroit
MiEM	Michigan State University, East Lansing
MiMidD	Dow Chemical Company, Midland, Mich.
MiU	University of Michigan, Ann Arbor
MiU-C	— William L. Clements Library
MiU-L	— Law Library
MnSJ	James Jerome Hill Reference Library, St. Paul
MnU	University of Minnesota, Minneapolis
MnU-B	— Bio-Medical Library
MnU-L	— Law Library
MoFC	Central College, Fayette, Mo.
MoKL	Linda Hall Library, Kansas City
MoRM	University of Missouri School of Mines and Metallurgy, Rolla
MoS	St. Louis Public Library
MoSB	Missouri Botanical Garden, St. Louis
MoSU	St. Louis University, St. Louis
MoSW	Washington University, St. Louis
MoU	University of Missouri, Columbia
MsSM	Mississippi State University, State College
MsU	University of Mississippi, Oxford
MtBC	Montana State College, Bozeman
MtU	Montana State University, Missoula
N	New York State Library, Albany
NB	Brooklyn Public Library
NBB	Brooklyn Museum Libraries, Brooklyn
NBC	Brooklyn College, Brooklyn
NBG	Brooklyn Botanic Garden, Brooklyn
NBM	Academy of Medicine of Brooklyn Library, Brooklyn
NBSU-M	State University of New York, College of Medicine Downstate Medical Center Library, Brooklyn
NBuB	Buffalo Society of Natural Sciences, Buffalo
NCH	Hamilton College, Clinton, N. Y.
NCorniC	Corning Glass Works Library, Corning, N. Y.
NCsC	Carnegie Institution, Department of Genetics, Cold Spring Harbor, N. Y.
NIC	Cornell University, Ithaca, N. Y.
NIC-A	— State Colleges of Agriculture and Home Economics
NN	New York Public Library
NNA	American Geographical Society, New York
NNBG	New York Botanical Garden, Bronx Park, New York
NNC	Columbia University, New York
NNC-L	— Law Library
NNC-M	— Medical Library
NNC-T	— Teachers College Library
NNCC	Chemists' Club, New York
NNCoCi	College of the City of New York, New York
NNCorM	Cornell University Medical College Library, New York
NNE	Engineering Societies Library, New York
NNF	Fordham University, New York
NNIS	Library for Intercultural Studies, New York
NNJ	Jewish Theological Seminary of America, New York
NNM	American Museum of Natural History, New York
NNMM	Metropolitan Museum of Art Library, New York
NNNAM	New York Academy of Medicine, New York
NNPH-O	Institute of Ophthalmology, Presbyterian Hospital, New York
NNR	Russell Sage Foundation, College of the City of New York
NNRI	Rockefeller Institute for Medical Research, New York
NNU	New York University Libraries, New York
NNU-H	— University Heights Library
NNU-W	— Washington Square Library
NNUN	United Nations Library, New York
NPV	Vassar College, Poughkeepsie, N. Y.
NRE	Eastman Kodak Company, Rochester, N. Y.
NRU	University of Rochester, Rochester, N. Y.
NSyU	Syracuse University, Syracuse, N. Y.
NUpB	U. S. Brookhaven National Laboratory, Upton, N. Y.
NYBT	Boyce Thompson Institute for Plant Research, Yonkers, N. Y.
NbU	University of Nebraska, Lincoln

NcD	Duke University, Durham, N. C.
NcGW	Woman's College of the University of North Carolina, Greensboro
NcRS	North Carolina State College of Agriculture and Engineering, Raleigh
NcU	University of North Carolina, Chapel Hill
NdU	University of North Dakota, Grand Forks
Nh	New Hampshire State Library, Concord
NhD	Dartmouth College, Hanover, N. H.
NjI	Irvington Free Public Library, Irvington, N. J.
NjMuA	Air Reduction Company, inc., Central Research Department Library, Murray Hill
NjMuB	Bell Telephone Laboratories, Murray Hill, N. J.
NjN	Newark Public Library, Newark, N. J.
NjP	Princeton University, Princeton, N. J.
NjR	Rutgers University, New Brunswick, N. J.
NmUpU	New Mexico State University of Agriculture, Engineering and Science, University Park
NvU	University of Nevada, Reno
O	Ohio State Library, Columbus
OCH	Hebrew Union College, Cincinnati
OCLloyd	Lloyd Library and Museum, Cincinnati
OCU	University of Cincinnati, Cincinnati
OCl	Cleveland Public Library
OClBHS	Benedictine High School, Cleveland
OClCS	Case Institute of Technology, Cleveland
OClJC	John Carroll University, Cleveland
OClM	Cleveland Medical Library
OClMA	Cleveland Museum of Art
OClW	Western Reserve University, Cleveland
OCoB	Battelle Memorial Institute, Columbus
ODW	Ohio Wesleyan University, Delaware, Ohio
OHi	Ohio State Historical Society, Columbus
OO	Oberlin College, Oberlin, Ohio
OOxM	Miami University, Oxford, Ohio
OSte	Carnegie Library, Steubenville, Ohio
OU	Ohio State University, Columbus
OUCA	Chemical Abstracts, Ohio State University, Columbus
OkS	Oklahoma State University, Stillwater
OkU	University of Oklahoma, Norman
OrCS	Oregon State University, Corvallis
OrPR	Reed College, Portland, Ore.
OrU	University of Oregon, Eugene
P	Pennsylvania State Library, Harrisburg
PBL	Lehigh University, Bethlehem, Pa.
PBm	Bryn Mawr College, Bryn Mawr, Pa.
PHC	Haverford College, Haverford, Pa.
PLF	Franklin and Marshall College, Lancaster, Pa.
PP	Free Library of Philadelphia
PPAN	Academy of Natural Sciences, Philadelphia
PPAmP	American Philosophical Society, Philadelphia
PPC	College of Physicians of Philadelphia
PPDrop	Dropsie College for Hebrew and Cognate Learning, Philadelphia
PPF	Franklin Institute, Philadelphia
PPPM	Philadelphia Museum of Art
PPT	Temple University, Philadelphia
PPUC	Union Library Catalogue of the Philadelphia Metropolitan Area, Philadelphia
PPWI	Wistar Institute of Anatomy and Biology, Philadelphia
PPiCI	Carnegie Institute of Technology, Pittsburgh
PPiU	University of Pittsburgh, Pittsburgh
PRosC	Rosemont College, Rosemont, Pa.
PSC	Swarthmore College, Swarthmore, Pa.
PSt	Pennsylvania State University, University Park
PU	University of Pennsylvania, Philadelphia
PU-BZ	— Botany-Zoology Library
PU-El	— Moore School of Electrical Engineering Library
PU-FA	— School of Fine Arts Library
PU-Math	— Mathematics-Physics Library
PU-Mu	— University Museum Library
PU-Penn	— Penniman Library of Education
PU-Sc	— Towne Scientific School Library
RPB	Brown University, Providence, R. I.
RU	University of Rhode Island, Kingston
TCU	University of Chattanooga, Chattanooga, Tenn.
TNJ	Joint University Libraries (Vanderbilt University, George Peabody College for Teachers, and Scarritt College), Nashville, Tenn.
TONS	Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn.
TU	University of Tennessee, Knoxville
TxCM	Agricultural and Mechanical College of Texas, College Station
TxDaM	Southern Methodist University, Dallas
TxHR	Rice Institute, Houston
TxLT	Texas Technological College, Lubbock
TxU	University of Texas, Austin
ULA	Utah State University of Agriculture and Applied Science, Logan
ViBlbV	Virginia Polytechnic Institute, Blacksburg
ViU	University of Virginia, Charlottesville
ViU-L	— Law Library
ViW	College of William and Mary, Williamsburg
VtMiM	Middlebury College, Middlebury, Vt.
VtU	University of Vermont and State Agricultural College, Burlington
WAP	Institute of Paper Chemistry, Appleton
WHi	State Historical Society of Wisconsin, Madison
WU	University of Wisconsin, Madison
WaU	University of Washington, Seattle
WvU	West Virginia University, Morgantown

MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

VOLUME 16, NO. 10 JANUARY 1964

TABLE OF CONTENTS

Part A—Monographic Works Page

1. General ... 2889
2. Bibliography ... 2889
3. Philosophy & Religion ... 2889
4. History ... 2890
5. Social Sciences ... 2891
6. Political Science ... 2894
7. Law ... 2895
8. Education ... 2896
9. Music, Theater & Motion Pictures ... 2896
10. Fine Arts ... 2897
11. Language, Literature & Folklore ... 2897
12. Geography & Geology ... 2902
13. Science ... 2903
14. Medicine ... 2906
15. Agriculture ... 2907
16. Technology ... 2909
17. Military & Naval Sciences ... 2917

Part B—Periodicals

1. General
   - *a.* Scholarly journals ... 2919
   - *b.* Popular magazines ... 2920
2. Bibliography
   - *a.* Bibliography ... 2922
   - *b.* Libraries & library science ... 2922
   - *c.* Printing & the book trade ... 2923
3. Philosophy & Religion
   - *a.* Philosophy ... 2923
   - *b.* Religion ... 2923
4. History
   - *a.* General ... 2923
   - *b.* Archaeology & antiquities ... 2925
5. Social Sciences
   - *a.* Commerce ... 2925
   - *b.* Economics ... 2926
   - *c.* Finance ... 2927
   - *d.* Labor ... 2928
   - *e.* Sociology ... 2929
6. Political Science ... 2930
7. Law ... 2932
8. Education
   - *a.* General ... 2934
   - *b.* Physical education & games ... 2937

9. Music, Theater & Motion Pictures — Page
a. Motion pictures — 2937
b. Music — 2938
c. Theater — 2938
10. Fine Arts
a. General — 2938
b. Architecture — 2938
11. Language, Literature & Folklore
a. Language — 2938
b. Literature & folklore — 2939
12. Geography & Geology
a. Ethnology — 2941
b. Geography — 2942
c. Geology & paleontology — 2942
13. Science
a. General — 2946
b. Astronomy — 2948
c. Biology — 2949
d. Chemistry — 2951
e. Mathematics — 2953
f. Physics — 2955
14. Medicine
a. General — 2959
b. Gynecology, obstetrics & pediatrics — 2963
c. Neurology & psychiatry — .....
d. Ophthalmology & otorhinolaryngology — 2964
e. Pathology & therapeutics — 2964
f. Pharmacy & materia medica — 2965
g. Public health & nursing — 2965
h. Surgery & dentistry — 2965
i. Venereology & dermatology — 2967
15. Agriculture
a. General — 2967
b. Animal industry — 2970
c. Forestry — 2971
d. Plant culture — 2972
16. Technology
a. General — 2974
b. Aeronautics
c. Chemical technology
d. Civil & construction engineering
e. Electrical engineering
f. Industries & trades
g. Mechanical engineering
h. Mining & metallurgy
17. Military & Naval Sciences
a. Military science
b. Naval science

Part C—List of Periodicals Indexed and Abbreviations Subject Index to Monographs and Periodicals.

Periodicals Available in English Translation Cover-to-Co

1. GENERAL

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. [Academy of Sciences of Georgia] Akademiia nauk Gruzinskoi SSR Academie des sciences de la R.S.S. de Géorgie Tbilisi, 1962 70 p. [Text in Russian and French]

[CALENDAR AND HANDBOOK OF PERM PROVINCE] Kalendar'— spravochnik Permskoi oblasti. [Perm'] Permskoe knizhnoe izd-vo.
[No 5] 1962 247 p.

CZERNOWITZ. UNIVERSYTET. [Science yearbook for 1957] Nauchnyi ezhegodnik za 1957 god Chernovtsy, Chernovitskii gos. univ , 1958. 522 p.

[DESK ALMANAC] Nastol'nyi kalendar. Moskva, Gospolitizdat, [1963] 207 p.

INTERNATIONAL CONGRESS OF SLAVISTS. 5th, Sofia 1963 [History, folklore, and art of the Slavic peoples, reports of the Soviet delegation] Istoriia, fol'klor, iskusstvo slavianskikh narodov, doklady sovetskoi delegatsii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 509 p. [With summaries in French, German and English]

KOLDOMASOV, IU.I. [Economic ties in the national economy of the U.S.S.R.] Ekonomicheskie sviazi v narodnom khoziaistve SSSR Moskva, Ekonomizdat, 1963. 430 p.

2. BIBLIOGRAPHY

AKADEMIIA NAUK SSSR. Bibliioteka. [Transactions and materials of scientific congresses and conferences published in foreign countries during 1961; an index] Trudy i materialy nauchnykh kongressov i soveshchanii, opublikovannye za rubezhom v 1961 godu; ukazatel'. Leningrad, Izd-vo Akad. nauk SSSR, 1963. 106 p.

AZERBAIJAN. Ministerstvo vnutrennikh del. Arkhivnoe upravlenie. [Central State Historical Archives of the Azerbaijan SSR; a guide] TSentral'nyi gosudarstvennyi istoricheskii arkhiv Azerbaidzhanskoi SSR, putevoditel' Pod red. M.I. Naidel'. Baku, Ob"edinennoe izd-vo, 1958 186 p.
(NjP)

BEL'CHIKOV, N.F., IU.K. BEGUNOV, and N.P. ROZHDESTVENSKII, comps. [Bibliography of descriptive works of Slavic-Russian manuscripts] Spravochnik-ukazatel' pochatnykh opisanii slaviano-russkikh rukopisei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 359 p.

JUODIKAITIS, KASTYTIS. [Ex libris] Ekslibrisai. Vilnius, Valstybine grozines literatoros leidykla, 1963. 1 v. (chiefly illus.) [In Lithuanian]

KALININ (Province) Gosudarstvennyi arkhiv. [Guide to the State Archives of Kalinin Province] Putevoditel'. Kalinin, Arkhivnyi otdel UVD Kalininskogo oblispolkoma, 1960. 351 p.
(MH)

KISHINEV. GOSUDARSTVENNAIA PUBLICHNAIA BIBLIOTEKA MOLDAVSKOI SSR. [Literature about Moldavia; a comprehensive list of literature for 1957-1961] Literatura o Moldavii; svodnyi ukazatel' literatury za 1957-1961 gg. Kishinev, Partiinoe izd-vo TsK KP Moldavii, 1963. 99 p. [In Russian and Moldavian]

KORNEICHYK, I.I. [Development of bibliography in the Ukraine, lectures for correspondence students] Rozvytok bibliografii na Ukraini; lektsii dlia studentiv-zaochnykiv. Kharkiv, Kharkivs'kyi derzh. bibliotechnyi in-t,
Vols. 1-2. 1961.
(MH)

LENINGRAD. PUBLICHNAIA BIBLIOTEKA. Otdel rukopisei. [Catalog of letters and other materials of Western European scholars and writers of the 16th - 17th centuries in the P.P. Dubrovskii Collection] Katalog pisem i drugikh materialov zapadnoevropeiskikh uchenykh i pisatelei XVI-XVIII vv., iz sobraniia P.P. Dubrovskogo. Pod red. M.P. Alekseeva. Leningrad, 1963. 105 p. (Its. Trudy)

MOSCOW. VSESOIUZNYI INSTITUT NAUCHNOI I TEKHNICHESKOI INFORMATSII. [Scientific and technological information in the U.S.S.R. and abroad, a bibliographic index to the literature published in 1960 and 1961] Nauchno-tekhnicheskaia informatsiia v SSSR i za rubezhom, bibliograficheskii ukazatel' literatury za 1960-1961 gg. Moskva, 1962. 215 p.

PLIASUNOVA, T.S., and others. [Modern methods of preparing printing plates, a survey of Soviet and foreign literature] Sovremennye sposoby izgotovleniia klishe, obzor otechestvennoi i inostrannoi literatury Moskva, VNIIPP, 1962. 76 p.

3. PHILOSOPHY & RELIGION

AKADEMIIA NAUK SSSR Muzei istorii religii i ateizma. [The origin of religion, a brief reference book and guide] Proiskhozhdenie religii, kratkii spravochnik-putevoditel' Sost. M.S. Butinova i N.N. Grevens. Moskva, Izd-vo Akad. nauk SSSR, 1962. 76 p.

AKADEMIIA NAUK SSSR. Nauchnyi Sovet po filosovskim voprosam estestvoznaniia. [Philosophical problems of the physics of elementary particles] Filosofskie problemy fiziki elementarnykh chastits. Moskva, Izd-vo Akad. nauk SSSR, 1963. 301 p.

ARDAB'EV, A.I. [Atheism of Ludwig Feuerbach] Ateizm Liudviga Feierbakha. Moskva, Izd-vo Akad nauk SSSR, 1963. 181 p.

BABOSOV, E.M. [Dialectic of analysis and synthesis in scientific cognition] Dialektika analiza i sinteza v nauchnom poznanii. Minsk, Izd-vo Akad nauk Belorusskoi SSR, 1963. 349 p.

BENDEROVA, V.N. [Noble and ignoble people] Liudi i liudishki. Moskva, Politizdat, 1963. 120 p. (Vremia i liudi)

BLIUMKIN, V.A. [Honor, dignity, and pride] Chest', dostoinstvo, gordost'. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no.17)

DOROKHOV, A.A. [This is worth remembering, a book about how to conduct yourself so that life would be better and more pleasant for you and others] Eto stoit zapomnit', kniga o tom, kak sebia vesti, chtoby i tebe i drugim bylo luchshe i priiatnee zhit'. Moskva, Detgiz, 1963. 94 p. (Shkol'naia biblioteka)

DRUIANOV, L.A. [Irreconcilable enemies] Neprimirimye protivniki. [Moskva] Moskovskii rabochii, 1963. 77 p.

FOMENKO, V.A. [One for all and all for one] Odin za vsikh, vse za odnogo. Kyiv, Derzhpolitvydav URSR, 1963. 29 p. (Moral'nyi kodeks budivnyka komunizmu)

GORSKII, D.P. [Logic] Logika, uchebnoe posobie dlia pedagogicheskikh institutov. Izd. 2., ispr. Moskva, Uchpedgiz, 1963. 291 p.

HONCHARENKO, M.V. [Art and aesthetic education] Mystetstvo i estetychne vykhovannia. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 202 p.

[HOW TO CONDUCT A LESSON IN SCIENTIFIC ATHEISM] Kak provesti zaniatie po nauchnomu ateizmu. [Moskva] Moskovskii rabochii, 1963. 94 p.

IAMPOL'S'KYI, K.I. [The sense of common duty] Svidomist' hromads'koho obov'iazku. Kyiv, Derzhpolitvydav URSR, 1963. 27 p. (Moral'nyi kodeks budivnyka komunizmu)

IAREMENKO, P.K. ["Warning", a Ukrainian anti-Uniat pamphlet of the early 17th century] "Peresteroha" — ukrains'kyi antyuniats'kyi pamflet pochatku XVII st Kyiv, Vyd-vo Akad. nauk URSR, 1963 162 p.

IERYSHEV, A.A., R.S. PRYKHOD'KO, and A.S. ONYSHCHENKO. [Remnants of religion and methods for abolishing them] Religiini perezhytky ta likh podolannia. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 158 p.

IVANOV, V.G., and N.V. RYBAKOVA. [The nature of ethics] Chto takoe etika. Moskva, Gospolitizdat, 1963. 46 p.

KAPTARENKO-CHORNOUSOVA, O.K., B.B. PERMIAKOV, and M.M. PERMIAKOVA. [Science and religion about our planet] Nauka i religiia pro nashu planetu. Kyiv, Derzhpolitvydav URSR, 1963. 50 p.

KONDRATENKO, H.M. [Moral integrity] Pro moral'nu chystotu. Kyiv, Derzhpolitvydav URSR, 1963 31 p. (Moral'nyi kodeks budivnyka komunizmu)

KOSTIN, I.I. [Work for the good of society] Pratsia na blago suspil'stva. Kyiv, Derzhpolitvydav URSR, 1963. 30 p. (Moral'nyi kodeks budivnyka komunizmu)

KOZLOV, I.B. [The man of our great tomorrow] Chelovek velikogo zavtra. Moskva, Izd-vo "Znanie," 1963 37 p. (Novoe v zhizni, nauke, tekhnike II Seriia: Filosofiia, no.18)

KURSANOV, G.A. [Dialectical materialism on concepts] Dialekticheskii materializm o ponitiiakh. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 382 p.
(MH)

LIUKOV, I.V. [Secret of a silver sepulchre] Taina serebrianoi grobnitsy. [Lipetsk] Lipetskoe knizhnoe izd-vo, 1963. 37 p.

MOSCOW. PERVYI MEDITSINSKII INSTITUT. Kafedra dialekticheskogo i istoricheskogo materializma. [Classic German philosophy] Klassicheskaia nemetskaia filosofiia, uchebnoe posobie dlia studentov meditsinskikh i farmatsevticheskikh vuzov. Pod red. I.A. Pashinitseva. Moskva, Pervyi med. in-t, 1963. 34 p.

NAZYMOV, I.N. [Everyone's concern for the common good] Pikluvannia kozhnoho pro suspil'ne dobro. Kyiv, Derzhpolitvydav URSR, 1963. 29 p. (Moral'nyi kodeks budivnyka komunizmu)

ONYSHCHENKO, O.S. [Christian bell ringers of atomic war] Khrystyans'ki dzvonari atomnoi viiny. Kyiv, Derzhpolitvydav URSR, 1963. 38 p.

[ORTHODOX CHURCH CALENDAR FOR 1963] Pravoslavnyi tserkovnyi kalendar' na 1963 god. [Moskva] Izd. Mosk. Patriarkhii [n.d.] 79 p.

PAIUSOV, K.A. [Atheistic education of Soviet servicemen] Ateisticheskoe vospitanie sovetskikh voinov. Moskva, Voenizdat, 1963. 85 p.

PROZHOHIN, V.E. [Dedication to the cause of communism] Buty viddanym spravi komunizmu. Kyiv, Derzhpolitvydav URSR, 1963. 26 p. (Moral'nyi kodeks budivnyka komunizmu)

ROGOV, L.M. [Work, duty, and the purport of life, talks with believers and nonbelievers on communist and religious ethics] O trude, dolge i smysle zhizni, besed, s verushchimi i neverushchimi o kommunisticheskoi i religioznoi morali [Leningrad] Lenizdat, 1963. 63 p. (Biblioteka ateista)

RUD', H P. [Remove the weeds from our fields] Het' burʹyany z nashoho polia Kyiv, Derzhpolitvydav URSR, 1963 28 p (Moralʹnyi kodeks budivnyka komunizmu)

SHOKHE, K.V. [Outline history of the development of aesthetic thought in Russia, Old Russian aesthetics from the 11th to the 17th century] Ocherk istorii razvitiia esteticheskoi mysli v Rossii, drevnerusskaia estetika XI-XVII vekov Moskva, Vysshaia shkola, 1963. 114 p
(MiU)

SHUGAILIN, A.V. [Struggle of materialism and idealism in quantum mechanics] Borʹba materializma s idealizmom v kvantovoi mekhanike. [Kiev] Izd-vo kievskogo univ., 1963 127 p

SOKOLOV, M.V. [Essays on the history of psychological ideas in Russia in the 11th to 18th centuries] Ocherki istorii psikhologicheskikh vozzrenii v Rossii v XI-XVIII vekakh Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963 417 p

SVECHNIKOV, G.A. [Causation in modern physics] Prichinnostʹ i sovremennaia fizika, dopolnennaia i pererabotannaia stenogramma lektsii, prochitannoi v TSentralʹnom lektorii Vsesoiuznogo obshchestva "Znanie." Moskva, Izd-vo "Znanie," 1963. 38 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no.19)

TYKHOMYROV, IA.A. [Man should be friend, comrade, and brother to man] Liudyna liudyni — druh, tovarysh i brat Kyiv, Derzhpolitvydav, 1963. 33 p. (Moralʹnyi kodeks budivnyka komunizmu)

VOROB'EV, N.V. [Deduction by analogy] Umozakliuchenie po analogii, lektsii. [Moskva] Izd-vo Mosk. univ., 1963 24 p

VOSTRIKOV, A.V. [Subject matter of Marxist-Leninist philosophy] Predmet marksistsko-leninskoi filosofii Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 66 p. (Filosofiia, kurs lektsii)

ZAKAVKAZSKAIA KONFERENTSIIA PSIKHOLOGOV 2d [Problems of psychology, materials (collection dedicated to the 40th anniversary of the establishment of Soviet government in Armenia)] Voprosy psikhologii, materialy (sbornik posviashchen sorokaletiiu ustanovleniia Sovetskoi vlasti v Armenii) Pod red M.A. Mazmaniana Erevan, 1960. 412 p
[MICROFILM]

ZOSIMOV, V.V. [Atomism in physics up to the 19th century] Atomizm v fizike do XIX veka Natʹchik, Karachaevo-Cherkesskii gos. pedagog. in-t, 1961 177 p.
[MICROFILM]

4. HISTORY

ABDUSHUKUROV, R.KH. [The October Revolution, the prosperity of the Uzbek socialist nation, and its rapprochement with the other nations of the U.S.S.R.] Oktiabrʹskaia revoliutsiia, rastsvet Uzbekskoi sotsialisticheskoi natsii i sblizhenie ee s natsiiami SSSR. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1963. 726 p.

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan, Sektor vostokovedeniia. [Turkish source materials about Armenia, the Armenians and other peoples of Transcaucasia; extracts from original Turkish texts translated into Armenian with a foreword, commentaries, terminological dictionary and appendices] Turetskie istochniki ob Armenii, Armianakh i drugikh narodakh Zakavkaziia; izvlecheniia iz turetskikh originalʹnykh tekstov v perevode na armianskii iazyk, s predisloviem, kommentariami, terminologicheskim slovarem i prilozheniiami. Erevan, [in Armenian]
Vol.1. 1961-
(NNC)

AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze, Institut istorii. [Archaeological monuments of the Talass Valley] Arkheologicheskie pamiatniki Talasskoi doliny Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 281 p.

AKADEMIIA NAUK SSSR, Institut arkheologii. [New methods in archaeological research] Novye metody v arkheologicheskikh issledovaniiakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 240 p. illus.

AKADEMIIA NAUK SSSR. Institut istorii. [Revolutionary situation in Russia in 1859-1861] Revoliutsionnaia situatsiia v Rossii v 1859-1861 gg Moskva, Izd-vo Akad. nauk SSSR, 1963 458 p

AKADEMIIA NAUK SSSR. Institut istorii. [Unification of Italy, a century-long struggle for independence and democracy] Obʺedinenie Italii; 100 let borʹby za nezavisimostʹ i demokratiiu. Sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 392 p.

AKADEMIIA NAUK SSSR. Institut narodov Azii. [The Arab countries, their history, economy, and literature] Arabskie strany; istoriia, ekonomika i literatura. Moskva, Izd-vo vostochnoi lit-ry, 1960. 150 p.
(NjP)

AKADEMIIA NAUK SSSR. Institut slavianovedeniia. [Studies on German relations with the Slavs] Slavianogermanskie issledovaniia Moskva, Izd-vo Akad. nauk SSSR, 1963 442 p

AKADEMIIA NAUK URSR, Kiev. Instytut istorii. [History of Kiev in two volumes] Istoriia Kyieva v dvokh tomakh Red. kollegiia V.O. Holobuts'kyi ta inshi Kyiv, Vyd-vo Akad. nauk URSR.
Vol.1. 1960. 801 p.

ALEKSANDROV, V.V. [Competition among imperialist states for the division of Africa; 1881-1914] Borʹba imperialisticheskikh derzhav za razdel Afriki, 1881-1914 gg Moskva, Vysshaia shkola, 1963. 82 p (V pomoshchʹ studentu-istoriku)

ANDRIANOV, N.A. [Reestablishment of the Soviet regime and the consolidation of its power in the Tatar Republic, 1918-1920] Vosstanovlenie Sovetskoi vlasti i ukreplenie ee apparata v Tatarii, 1918-1920 godu. Kazanʹ, Tatarskoe knizhnoe izd-vo, 1962. 99 p.
(MH)

BEGMA, V.A. [Roads of the unconquered, as told to P. Avtomonov] Puti nepokorennykh, literaturnaia zapisʹ P. Avtomonova. Moskva, Voenizdat, 1963 391 p.

BYKHOVSKII, I.A. [Heroic "Pantera"] Geroicheskaia "Pantera." [Leningrad] Lenizdat, 1963. 292 p.

[CENTENARY OF THE ARRIVAL OF RUSSIAN WAR VESSELS TO AMERICA, 1863-1963] Stoletniaia godovshchina pribytiia Russkikh eskadr v Ameriku, 1863-1963 Washington, Izd. Victor Kamkin, Inc., 1963 83 p. ("Zarubezhnye zapiski," no.1)

CHISTIAKOVA, T.A. [Arab caliphate; a teacher's manual] Arabskii khalifat, posobie dlia uchitelia. Moskva, Gos. uchebno-pedagog. izd-vo, 1962. 156 p. fold. map.
(NNC)

DEMOCHKIN, N.N. [The Soviets of 1905 as organs of the revolutionary government] Sovety 1905 goda — organy revoliutsionnoi vlasti. Moskva, Gosiurizdat, 1963, 173 p.

FADEEV, A.V. [Odessa's heroic struggle] Podvig Odessy. Izd. 3., perer. i dop. Moskva, Gospolitizdat, 1963 94 p. (Stranitsy istorii Sovetskoi Rodiny)

FEDENKO, PANAS [The Ukrainian movement in the 20th century] Ukrainsʹkyi rukh 20 stolittia. London, Vyd-vo "Nashe slovo," 1959 267 p
(NN) (WaU)

FEDOROV, V.A. [Soldiers' movement at the time of the Decembrists 1816-1825] Soldatskoe dvizhenie v gody dekabristov, 1816-1825 gg. [Moskva] Izd-vo Mosk. univ. 1963. 206 p.

GALIN, B.A. [Builder of a new world; sketches of Lenin] Stroitelʹ novogo mira; ocherki o Lenine. Moskva, Sovetskii pisatelʹ, 1960. 318 p.
(CaOTU)

GRACH, N.L., and V.M. SKUDNOVA. [The ancient Greeks in the southern part of our country; for schoolage children] Drevnie greki na IUge nashei strany; dlia detei srednego vozrasta. Leningrad, Izd-vo Gos. Ermitazha, 1963. 86 p. (Puteshestviia v prosloe po zalam Ermitazha)

GRIGILIIA, G.K. [Paleolithic discoveries in Kvemo-Kartlia; the TSopi I burial cave] Paleolit Kvemo Kartli, pogrebennaia peshchera TSopi I. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963 130 p. illus. [In Georgian with summary in Russian]

GROMYKO, A.A., and others, eds. [History of diplomacy] Istoriia diplomatii. Izd 2., pererab. i dop. Moskva, Gospolitizdat
Vol.2. [Diplomacy in the modern period, 1871-1914] Diplomatiia v novoe vremia, 1871-1914 Avtora tома V.M. Khvostov. 1963. 620 p.

GROZNY. CHECHENO-INGUSHSKII NAUCHNO-ISSLEDOVATELʹSKII INSTITUT IAZYKA I ISTORII. [Questions of the Chechen-Ingush A.S.S.R.] Dreviaia istoriia Checheno-Ingushetii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 270 p.

GRYLEV, A.N. [Beyond the Dnieper, liberation of the right-bank Ukraine in January-April 1944] Za Dnepr; osvobozhdenie Pravoberezhnoi Ukrainy v yanvare-aprele 1944 g. Moskva, Voenizdat, 1963. 232

IAKOVLEVA, T.I., N.V. SHEBEK, and S.M. VOLKOVSKII [Sapun-gora, a guide through the fortifications] Sapun-gora, putevoditelʹ po zapovedniku. Simferopolʹ, Krymizdat, 1963. 66 p.

[IN THE RING OF FIRE, recollections by participants in the defense of Leningrad and the rout of the German fascist invaders near Leningrad] V ognennom kolʹtse; vospominaniia uchastnikov oborony gorodа Lenina i razgroma nemetsko-fashistskikh zakhvatchikov pod Leningradom. Moskva, Gospolitizdat, 1963. 312 p.
(CSt-H)

ISRAELIAN, V.L., ed. [From the history of international relations] Iz istorii mezhdunarodnykh otnoshenii. Moskva, Izd-vo IMO, 1963. 183 p.

IZHEVSK. UDMURTSKII NAUCHNO-ISSLEDOVATELʹSKII INSTITUT ISTORII, EKONOMIKI, LITERATURY I IAZYKA. [Studies on the history of the Udmurt A.S.S.R.] Ocherki istorii Udmurtskoi ASSR. Izd-vo Udmurtskoe knizhnoe izd-vo
Vol.2. 1962. 387 p.

IZMAILOV, N.F., and A.S. PUKHOV. [Central Committee of the Baltic Sea Fleet] TSentralʹnyi Komitet Baltiiskogo Flota. Moskva, Voenizdat, 1963 237 p.

KABANOV, P.I. [A lecture course on the history of the U.S.S.R.; 1800-1917] Kurs lektsii po istorii SSSR 1800-1917 gg. Moskva, Gos. izd-vo "Vysshaia shkola" 1963. 391 p.

KAMENTSEVA, E.I., and N.V. USTIUGOV. [Russian sphragistics and heraldry] Russkaia sfragistika i geralʹdika. Moskva, Gos. izd-vo "Vysshaia shkola" 1963. 222 p.

KAZHDAN, A.P. [In search of bygone centuries] V poiskakh minuvshikh stoletii. Moskva, Detgiz, 1963. 204 p. (Shkolʹnaia biblioteka)

KIKOSHTARIA, N.V. [Tskhisdziri in the first centuries of the Christian era] Tskhisdziri v pervykh vekakh n.e. Tbilisi, Akad. nauk Gruzinskoi SSR, 1962. 44 p. 16 plates. [In Georgian with summary in Russian]
(MH)

KIEV. INSTYTUT ISTORII PARTII. [German Fascist occupation forces in the Ukraine] Nimetsʹko-fashystsʹkyi okupatsiinyi rozhym na Ukraini; zbirnyk dokumentiv i materialiv. Kyiv, Derzh. vyd-vo politlit-ry URSR, 1963. 486 p.

KIRIUSHIN, B.T. [Russian history; a synopsis] Russkaia istoriia; konspekt. *Posobie k praktikumu po kursu russkoi istorii.* [Frankfurt/Main, NTS, Sektor vnutrennei raboty], 1956. 164 p.
(MH)

KNYSH, ZYNOVII. [Dissension; reminiscences and materials concerning the split in the Organization of Ukrainian Nationalists in 1940-1941] *Rozbrat; spomyny i materiialy do rozkolu OUN u 1940-1941 rokakh.* Toronto, Sribna Surma, [1960] 431 p.
(InU)

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Omskii oblastnoi komitet. Partiinyi arkhiv. [The Omsk party organization during the period of the turning point and the final victory over the enemy, November 1942 - December 1945] Omskaia partiinaia organizatsiia v period korennogo pereloma i okonchatelʹnoi pobedy nad vragom, noiabrʹ 1942 g. - dekabrʹ 1945 g. [Omsk] Omskoe knizhnoe izd-vo, 1961. 302 p. (Iz istorii Omskaia partiinaia organizatsiia v period Velikoi Otechestvennoi voiny, 1941-1945 gg., no. 2)
(MH)

KOROVNIKOVA, N.I. [Beginnings of the labor movement and the spread of Marxism in Russia, 1883-1894] Nachalo rabochego dvizhenila i rasprostranenie marksizma v Rossii (1883-1894 gg) Moskva, Gospolitizdat, 1963. 47 p. (Metodicheskie sovety propagandistam i samostoiatel'no izuchaiushchim istoriiu KPSS)

KRIVITSKII, A.IU. [Berlin motifs, documentary stories] Berlinskie motivy, dokumental'nye novelly [Moskva] Moskovskii rabochii, 1963. 135 p.

KUMANEV, G.A. [Employees of Soviet railroads during the Great Patriotic War, 1941-1945] Sovetskie zheleznodorozhniki v gody Velikoi Otechestvennoi voiny (1941-1945) [Moskva] Izd-vo Akad. nauk SSSR, [1963] 321 p.

KUSHEVA, E.N. [Peoples of the Northern Caucasus and their contacts with Russia, from the second half of the 16th century through the 1830's] Narody Severnogo Kavkaza i ikh sviazi s Rossiei; vtoraia polovina XVI - 30-e gody XVII veka. Moskva, Izd-vo Akad. nauk SSSR, 1963. 309 p.

LEBEDEV, A., and A. SHISHKIN. [Committees of the Poor in Tatariia] Komitety derevenskoi bednoty Tatarii. Kazan', Tatarskoe knizhnoe izd-vo, 1961. 95 p. (MH)

LEVITIN, S.A. [Triumphal advance of the Soviet Government] Triumfal'noe shestvie Sovetskoi vlasti. Moskva, Gospolitizdat, 1963. 92 p. (Strantsy istorii Sovetskoi Rodiny)

LIASHENKO, M.IU. [Stories about the Soviet national emblem] Rasskazy o sovetskom gerbe. Moskva, Detgiz, 1963. 126 p.

L'VOV. TSENTRAL'NYI DERZHAVNYI ISTORICHNYI ARKHIV. [Social struggle in the city of Lvov from the 16th to the 18th century] Sotsial'na borot'ba v misti L'vovi v XVI-XVIII st.; zbirnyk dokumentiv. Pid red. IA. P. Kista. [L'viv] Vyd-vo L'vivs'koho univ., 1961. 441 p.
(MH)

MALABAEV, D.M. [History of the Lenin Collective Farm, 1919-1962] Istoriia kolkhoza imeni Lenina; 1919-1962 gg. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 95 p.

MEL'NYCHUK, IU.S. [Tribe of vampires; sketches, notes, feuilletons] Plem'ia upyriv; narysy, pamflety, feiletony. Kyiv, Radians'kyi pys'mennyk, 1963. 353 p.
(MH)

MOKHOV, N.A., and K.V. STRATIEVSKII. [Role of the Russian and Ukrainian peoples in the history of Moldavia] Rol' russkogo i ukrainskogo narodov v istoricheskikh sud'bakh Moldavii. Pod red. E.M. Russeva. Kishinev, Gos. izd-vo "Kartia moldovenieske," 1963. 65 p.

MOSCOW. TSENTRAL'NYI MUZEI V.I. LENINA. Kievskii filial. [The Kiev Branch of the V.I. Lenin Museum, a brief guidebook] Kratkii putevoditel'. Sostavitel' A.R. Zvinglianich. Kiev, Gos. izd-vo izobrazitel'nogo iskusstva i muzykal'noi lit-ry USSR, 1962. [47] p. (chiefly illus.)
(CSt-H)

MUSABEKOV, GAZANFAR. [Selected articles and speeches in two volumes] Izbrannye stat'i i rechi v dvukh tomakh. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR.
Vol. 2. 1928-1937 gg. 1962. 213 p.

MYSHKO, D.I. [Socioeconomic conditions of the formation of the Ukrainian nation; the situation of the peasants and antifeudal movements in the Ukraine in the 15th and the first half of the 16th century] Sotsial'no-ekonomichni umovy formuvannia ukrains'koi narodnosti, stanovyshche selian i antyfeodal'ni rukhy na Ukraini v XV-pershii polovyni XVI st. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 291 p.

OKUN', S.B., and K.V. SIVKOV, eds. [The Russian peasant movement in 1857-May 1861, documents] Krestianskoe dvizhenie v Rossii v 1857-mae 1861 gg, sbornik dokumentov. Moskva, Izd-vo sotsial'no-ekonom. lit-ry, 1963. 882 p. (Krestianskoe dvizhenie v Rossii v XIX-nachale XX veka)

PETROV, K.I. [Study on the origin of the Kirghiz] Ocherk proiskhozhdenila kirgizskogo naroda. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 144 p.

PLATONOV, V.V. [They received the attack first] Oni pervymi prinialli udar. Moskva, Voenizdat, 1963. 149 p. (Istoricheskoe proshloe nashei Rodiny)

ROMANOVA, M.I. [The fate of Russia] Sud'by Rossii. [Esslingen a/Neckar, Voskresenie, 1961] 54 p.
(NPV)

RUSSIA (1923- U.S.S.R.) Glavnoe upravlenie geodezii i kartografii. [Atlas of modern history for the ninth grade of secondary schools] Atlas novoi istorii dlia deviatogo klassa sredneĭ shkoly. [Moskva] Pts. 1-2. [1962]. maps

SAPRYKIN, IU.M. [English and Irish popular movements in the 16th century] Narodnye dvizhenila v Anglii i Irlandii v XVI veke; lektsii dlia studentov-zaochnikov istoricheskikh fakul'tetov gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. univ. 1963. 97 p.

SARANSK. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT IAZYKA, LITERATURY, ISTORII I EKONOMIKI. [Mordovia during the Great Patriotic War, 1941-1945] Mordoviia v gody Velikoi Otechestvennoi voiny, 1941-1945; dokumenty i materialy. Saransk, Mordovskoe knizhnoe izd-vo, 1962. 565 p.
(MH)

SAUSNIS, K., ed. [Salaspils, the death camp, reminiscences] Salaspils naves nometne, atminu krajums. Riga, Latvijas valsts izdevnieciba, 1962. 278 p.
[In Latvian]

SAZINA, M.G. [Struggle of the Rumanian people for the establishment and consolidation of the political system of a people's democracy, 1944-1947] Bor'ba rumynskogo naroda za ustanovlenie i ukreplenie narodno-demokraticheskogo stroia; 1944-1947. Moskva, Izd-vo Akad. nauk SSSR, 1963. 508 p.

SERHIIENKO, H.IA. [The liberation movement in the Dnieper right-bank Ukraine in the late 17th and the early 18th century] Vyzvol'nyi rukh na Pravoberezhnii Ukraini v kintsi XVII i na pochatku XVIII st. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 210 p.

SHUTOV, S.F. [Red arrows] Krasnye strely. Moskva, Voenizdat, 1963. 269 p. (Voennye memuary)

SMIRNOV, I.I. [Essays on the social and economic relations of Russia in the 12th-13th centuries] Ocherki sotsial'no-ekonomicheskikh otnoshenii Rusi XII-XIII vekov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 362 p.

SOLOV'EV, S.M. [Russian history from ancient times in 15 books] Istoriia Rossii s drevneishikh vremen v piatnadtsati knigakh. Moskva, Sotsekgiz.
Book 8 (Vols. 15-16) 1962. 873 p.

[STRUGGLE FOR SOVIET TURKESTAN] Za Sovetskii Turkestan. Pod red. A.I. Zevaleva. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1963. 599 p.

TARSKII, IU.S. [Submarine watch] Podvodnaia vakhta. Moskva, DOSAAF, 1962. 77 p.

UMANSKII, D.A. [Trial which hasn't been held] Sud, kotoryi ne sostoialsia. Moskva, Gospolitizdat, 1963. 46 p. (Vot ont — bashennye)

VARTANOV, G.A. [Revolutionary Cuba] Revoliutsionnaia Kuba. Leningrad, Ob-vo po rasprostraneniiu polit. i nauchn. znanii RSFSR, 1963. 71 p.

VINOGRADOV, V.V. [Role of the masses in the history of the ancient world] Rol' narodnykh mass v istorii drevnego mira; posobie dlia uchitelia. Moskva, Uchpedgiz, 1963. 122 p.

VLADIMIR. (Province) Oblastnoi gosudarstvennyi arkhiv. [Vladimir Government Home Guard in the Patriotic War of 1812] Vladimirskoe narodnoe opolchenie v Otechestvennoi voine 1812 goda; sbornik dokumentov i materialov. [Vladimir] Vladimirskoe knizhnoe izd-vo, 1963. 91 p.

ZARUBIN, S.M. [Along the trail of a reconnaissance officer; a documentary tale] Tropoi razvedchika; dokumental'naia povest'. [Moskva] Molodaia gvardiia, 1962. 176 p.

ZHIDILOV, E.I. [We held Sevastopol] My oboronialli Sevastopol'. Izd. 2., ispr. i dop. Moskva, Voenizdat, 1963. 264 p. (Voennye memuary)

ZINOV'EV, M.N. [The Bolshevik party in the Revolution of 1905-1907] Partiia bol'shevikov v revoliutsii 1905-1907 godov. Moskva, Gospolitizdat, 1963. 45 p. (Metodicheskie sovety propagandistam i samostoiatel'no izuchaiushchim istoriiu KPSS)

ZLOBIN, V.I. [The Bolshevik party during the years of the new revolutionary movement 1910-1914] Partiia bol'shevikov v gody novogo revoliutsionnogo pod"ema (1910-1914 gody), lektsii dlia studentov-zaochnikov gosudarstvennykh universitetov. [Moskva] Izd-vo Moskov. gos. univ., 1962. 61 p.

5. SOCIAL SCIENCES

AFANAS'EV, V.S. [Crisis of bourgeois economics] Krizis burzhuaznoi politicheskoi ekonomii. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 60 p. (Materialy k lektsiiam po Politekonomii)

AGRANAT, G.A., A.B. KUPRIIANOV, and V.F. PUZANOVA. [Population and resources of the American North] Naselenie i resursy Amerikanskogo Severa. Moskva, Izd-vo Akad. nauk SSSR, 1963. 229 p.

AKADEMIIA NAUK SSSR. Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii. [The shipbuilding industry of capitalist countries] Sudostroitel'naia promyshlennost' kapitalisticheskikh stran. Moskva, Izd-vo Akad. nauk SSSR, 1963. 471 p.

AKADEMIIA NAUK TURKMENSKOI SSR, Ashkhabad. Institut ekonomiki. [Optimal size of cotton-growing collective farms and sheep-raising state farms and their sections in the Turkmen S.S.R.] Optimal'nye razmery khlopkoseiushchikh kolkhozov, ovtsevodcheskikh sovkhozov i ikh podrazdelenii v Turkmenskoi SSR. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 135 p.

AKADEMIIA NAUK TURKMENSKOI SSSR. Ashkhabad. Institut istorii, arkheologii i etnografii. [Some problems in the history of the national economy of Turkmenistan] Nekotorye voprosy istorii narodnogo khoziaistva Turkmenistana. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 134 p.

ALEKSEEVA, R.V., and A.P. VORONIN. [Accumulation and development of collective farm property] Nakoplenie i razvitie kolkhoznoi sobstvennosti. Moskva, Izd-vo ekon. lit-ry, 1963. 247 p.

BAGRAD, M.V. [Methods for calculating and analyzing labor productivity on collective and state farms] Metody ischisleniia i analiza proizvoditel'nosti truda v kolkhozakh i sovkhozakh. Riga, Izd-vo Akad. nauk Latvilskoi SSR, 1961. 100 p.

BALIKHIN, M.I. [Planning the costs of construction and assembly work] Planirovanie sebestoimosti stroitel'no-montazhnykh rabot. Moskva, Gosstroiizdat, 1963. 107 p. (Voprosy ekonomiki stroitel'stva)

BEDERSON, A.M., ed. [Economics of the lumbering industry] Voprosy ekonomiki lesnoi promyshlennosti; sbornik statei. [Perm'] Permskoe knizhnoe izd-vo, 1959. 176 p. (V pomoshch' ekonomicheskomu obrazovaniiu)
[MICROFILM]

BEL'GOL'SKII, B.P., and I.A. MEDVEDEV. [Economics, organization and planning of rolling production] Ekonomika, organizatsiia i planirovanie prokatnogo proizvodstva. Moskva, Metallurgizdat, 1963. 157 p.

BELIAEVA, Z., and others. [Economics; visual aid] Politicheskaia ekonomiia; nagliadnoe posobie. Izd. 3., perer. [Moskva, Gospolitizdat, 1963] 176 p.

BERGAUZ, L.A. [Guide for workers employed in underground operations of ferrous metallurgy enterprises] Pamiatka dlia rabochikh, zaniatykh na podzemnykh rabotakh predpriiatii chernoi metallurgii. Moskva, Gosgortekhizdat, 1962. 203 p. (Organizatsiia i oplata truda)

BERGAUZ, L.A., and A.P. SHALIMOV. [Guide for workers in auxiliary and haulage operations in ferrous metallurgy enterprises] Pamiatka dlia rabochikh vspomogatel'nykh i transportnykh tsekhov gornykh predpriiatii chernoi metallurgii. Moskva, Gosgortekhizdat, 1962. 107 p. (Organizatsiia i oplata truda)

BORISOV, E.F., and N.P. VARZIN. [Labor productivity and the building of communism] Proizvoditel'nost' truda i postroenie kommunizma. [n.p.] Rosvuzizdat, 1963. 40 p.

BRANTEN, L. [Cost of tractor operations and the experient organization of tractor centers on collective farms in Northern Estonia] Traktoritoode omahind ja traktoripargi otstarbekohane struktuur Pohja-Eesti kolhoosides. Tallinn, Eesti Riiklik Kirjastus, 1961. 177 p. [In Estonian with summaries in Russian and German]
(DNAL)

[illegible] V. D. [Technical progress and the structure of the labor supply] Tekhnicheskii progress i struktura rabochikh kadrov. Moskva, Ekonomizdat, 1963. [illegible] p.

[PROVOCHENKO, A. F. [Why could not the President ...] Pochemu ... prezidenta? Minsk, Gos. izd-vo BSSR, 1963. 40 p. (Za dostoinstvo zakonov)

[PYANOV, (Pr...) Ustroistvo stroitel'nykh del Arkticheskoi [illegible] [Reconstruction of the economy of the Arctic in 1921-1925] Vosstanovlenie narodnogo khoziaistva Arkticheskoi zony, 1921-1925 gody. Sbornik dokumentov i materialov. [Briansk] Briianskii rabochii, [illegible]. (MH)

[illegible]SHIN, V. G. [Wage questions, comrades] Skazhite s...ari tovarishchi... [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1963. 30 p. (Rassказывают пионеры Краснодарского края)

[illegible]RSHTEYN, F. I., and V. T. GLUSEV [What an interbranch balance is] Chto takoe mezhotraslevoi balans. Moskva, Ekonomizdat, 1963. 63 p. (V pomoshch' ekonomicheskoi [illegible])

[BURYATIA STRIDES TOWARD THE FUTURE] Buriatiia [illegible]. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963. 138 p.

CHAVCHAVADZE, ALEXANDRE [The essence of nationalism] [Sushchnost' natsii i toska po [illegible]] Paris, 1962. 96 p. [In Georgian]

CHIBIRIKOV, G. G. [Contradictions between U. S. A. and [illegible] countries on the basis of the exportation of capital] Protivorechiia ... SShA i slaborazvitymi stranami na osnove vyvoza kapitala. [Moskva] Izd-vo Mosk. un-ta, 1963. 36 p.

CONCISE STATISTICAL YEARBOOK OF THE POLISH PEOPLE'S REPUBLIC FOR 1963] Kratkii statisticheskii ezhegodnik Pol'skoi Narodnoi Respubliki, 1963. Varshava, Izd-vo Tsentral'nogo stat. upr., 1963. 214 p.

DAVYDOV, IU. N. [Work and freedom] Trud i svoboda. Moskva, Vysshaia shkola, 1962. 130 p. (MIC)

DENISOV, N. N. [In the orbits of peace and friendship; from the notebook of a reporter of "Pravda"] Na orbitakh mira i druzhby, iz zapisnoi knizhki korrespondenta "Pravdy." Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. X Serila Molodezhnaia, no. 17)

[DOCUMENTS OF THE THIRD CONGRESS OF THE UNITED TRADE UNIONS OF KOREA, November 2-6, 1959] Tretii s"ezd Ob"edinennykh profsoiuzov Korei, 2-6 noiabria 1959 g., sbornik dokumentov. Pyongyang, KNDR, Izd-vo lit-ry na inostr. iazykakh, 1959. 159 p. (MIC)

GORSHKOV, E. N., L. K. ZAITSEV, and E. IA. TURCHINKIN. [The economics and the organization of the building and maintenance of city roads] Ekonomika i organizatsiia stroitel'stva i ekspluatatsii gorodskikh dorog. Moskva, Izd-vo MKKh RSFSR, 1963. 233 p.

GRIGORENSKII, G. I. [Organization of long-distance telephone communication enterprises] Organizatsiia predpriiatii mezhdugorodnoi telefonnoi sviazi, uchebnoe posobie dlia vypolneniia kursovoi raboty. Leningrad, Leningr. elektr. in-t sviazi, 1962. 71 p.

[EASTERN SIBERIA economic geography] Vostochnaia Sibir'. Ekonomiko-geograficheskaia kharakteristika. Moskva, Geografizdat, 1963. 885 p.

GOROV, V. I. [Working capital of the petroleum and the gas industries, and problems in the supply of materials and equipment] Oborotnye sredstva neftianoi i gazovoi promyshlennosti i voprosy material'no-tekhnicheskogo snabzheniia, uchebnoe posobie po kursu Ekonomika neftianoi i gazovoi promyshlennosti. Otvetstvennyi redaktor A. D. Brents. Moskva, Mosk. in-t neftekhim. i gazovoi promyshl., 1962. 26 p. [MICROFILM]

GOROV, V. V. [Liberia after the Second World War, 1945-1962] Liberiia posle Vtoroi Mirovoi voiny, 1945-1962 gg. Moskva, Izd-vo IMO, 1963. 165 p.

GRAB, S. SH., and M. L. LESHCHINSKII [Bureaus of economic analysis staffed with volunteers, from the practice of the Donetsk Railroad] Obshchestvennye ekonomicheskie biuro; iz opyta Donetskoi zheleznoi dorogi. Moskva, Transzheldorizdat, 1963. 35 p.

FARAMAZIAN, R. A. [Economy of present-day Canada] Ekonomika sovremennoi Kanady. Moskva, Sotsekgiz, 1963. 222 p.

FEODORITOV, V.IA. [What is the material and technical basis of communism] Chto takoe material'no-tekhnicheskaia baza kommunizma. [Leningrad] Lenizdat, 1960. 43 p. (Besedy na politicheskie temy)

[FIRST STEPS OF THE "THIRTY THOUSAND MEN"] Pervye shagi tridtsatitysiachnikov. Moskva, Sel'khozgiz, 1956. 203 p.

[FOR YOU, NEWLYWEDS] Dlia vas, molodozheny. Moskva, Gos. izd-vo torgovoi literatury, 1963. 159 p. (Dlia doma, dlia sem'i)

GABRIEL'IAN, G. G. [Contradictions of socialist society and ways of overcoming them] Protivorechiia sotsialisticheskogo obshchestva i puti ikh preodoleniia. Erevan, Izd-vo Erevanskogo gos. univ., 1962. 270 p. (MIC)

GALKIN, L. S. [The First International. The Paris Commune] Pervyi Internatsional. Parizhskaia kommuna. Moskva, Gospolitizdat, 1963. 76 p. (V pomoshch' izuchaiushchim mezhdunarodnoe kommunisticheskoe i rabochee dvizhenie) (CSt-H)

GIANDZHUNTSEV, E. T. [Specialization and cooperation in the radio industry] Spetsializatsiia i kooperirovanie v radiopromyshlennosti. Moskva, Mosk. energ. in-t, 1963. 22 p.

GIL'DE, E. K. [Standard accounting in production, practices of the Krasnogvardeets Factory in Leningrad] Normativnyi uchet proizvodstva, opyt Leningradskogo zavoda "Krasnogvardeets." [By] E. Gil'de i V. Matveev. Moskva, Gosfinizdat, 1962. 62 p. (Biblioteka bukhgaltera) (MH)

GLAZKOV, M. M. [Business accounting in a harbor section, from the work practice of the Moscow Western Harbor] Khozraschet uchastka porta, iz opyta raboty Moskovskogo Zapadnogo porta. Moskva, Izd-vo "Rechnoi transport," 1963. 37 p.

GOLANT, V. IA. [Continent of ancient culture, popular sketch on the past of the African peoples] Materik drevnei kul'tury; populiarnyi ocherk o proshlom narodov Afriki. Moskva, Uchpedgiz, 1963. 122 p.

GRACHEV, N. G. [Classifications and indices of industrial structure] Klassifikatsii i pokazateli struktury promyshlennosti. Moskva, Izd-vo Akad. nauk SSSR, 1963. 121 p.

GRITSAI, A. P., N. I. IVANOV, and V. D. CHIBISOV. [Working capital of socialist industrial enterprises] Oborotnye sredstva sotsialisticheskikh promyshlennykh predpriiatii. Moskva, Vysshaia shkola, 1963. 84 p. (Materialy k lektsiiam po politekonomii)

GUBIN, A. F., and D. S. DASHKOVSKII. [Problem in journal-voucher accounting on state farms] Zadacha po bukhgalterskomu uchetu v sovkhozakh po zhurnal'no-ordernoi forme schetovodstva. Moskva, Gosstatizdat, 1963. 67 p.

[HISTORY OF ECONOMIC THEORIES] Istoriia ekonomicheskikh uchenii; kurs lektsii. [By] I. V. Aleshina i dr. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 683 p.

IAKOVLEV, K. K., and G. S. LAZAROVICH. [Analyzing the economic activities of meat and dairy industry enterprises] Analiz khoziaistvennoi deiatel'nosti predpriiatii miasnoi i molochnoi promyshlennosti. Moskva, Pishchepromizdat, 1963. 173 p.

[INDUSTRIAL AESTHETICS, a bibliography of literature published from 1958 to 1962] Tekhnicheskaia estetika; bibliograficheskii ukazatel' 1958-1962 gg. Ikv. Kiev, Kievskii dom nauchno-tekhnicheskoi propagandy, 1962. 14 p.

IRKHIN, A. P., M. I. ERPICHEV, and IA. E. TSYPIN. [The economics and organization of transportation via a self-propelled merchant marine fleet] Ekonomika i organizatsiia perevozok samokhodnym gruzovym flotom. Izd. 2., ispr. i dop. Moskva, Izd-vo "Rechnoi transport," 1963. 114 p.

IUSHKEVICH, E. P., A. K. VOROBEI, and A. M. TRUSHIN. [Centralized freight transportation; experience of railroad and automotive transportation in White Russia] Tsentralizovannye perevozki gruzov; opyt zheleznodorozhnogo i avtomobil'nogo transporta Belorussii. Moskva, Transzheldorizdat, 1963. 66 p.

IVANOVA, Z. P., ed. [Women and labor] [illegible] trud. Moskva, Ekonomizdat, 1961. [illegible] p. (... nomu kongressu zhenshchin)

IVIN, I. A. [Wages for collective farmers and specialists] Oplata truda ... kolkhozakh. Moskva, Ekonomizdat, [illegible]. [illegible] p.

KALLISTOV, N. G. [Financial control in the organization in the organs of the Ministry of Communications] Finansovyi kontrol' i dokumentatsiia v organakh Ministerstva sviazi. Moskva, [illegible]. 1963. 151 p. (DBC)

KALUGIN, V. V. [Campaign against time losses] Pokhod protiv ... rabochii, 1963. 46 p.

KARDANOV, A. N. [Present state of, and ways to improve the utilization level of an operating ... card machine center in the Leningrad ... cil] Sostoianie i puti povysheniia urovnia ... nia deistvuiushchego parka ... mashin v Lensovnarkhoze, utverzhdennaia ... Vserossiiskom soveshanii po mekhanizatsii i avtomatsii inzhenernogo i upravlencheskogo truda v ... myshlennosti i stroitel'stve. Leningrad, [illegible] (Leningradskii dom nauchno-tekhnicheskoi [illegible] Serila: Mekhanizatsiia inzhenernogo i upravlencheskogo truda)

KATALOG CHUZHYHNYKH NEDYRZHAVNYKH ... I POVNISTOK, SHTEMPLIV, GERBOVYKH ... LYSTOVYKH ZALIPOK Z UKRAINS'KOHO ... KOIU, 1962. Catalog of foreign private ... entities, cancellations, revenue stamps, ... seals pertaining to Ukraine, 1962. [illegible] a'ka filatalistychna biblioteka, 40 p. illus. [illegible] by Julian Maksymczuk]

KHINDANOV, V. KH. [Our country in a changing ... Strana-stroika. Moskva, Znanie, 1963. ... v zhizni, nauke, tekhnike. III Serila, ... no. 9)
(MH)

KHODOV, L. G. [Economy of the German Federal Republic; general characteristics of the economic development after the Second World War] ... Federativnoi Respubliki Germanii; obshchaia ... teristika khoziaistvennogo razvitiia posle ... voi voiny. [Moskva] Izd-vo Mosk. univ., 1963. 98 p.

KIRAKOVSKII, E. M. [Present-day transportation] Sovremennyi transport. Moskva, Izd-vo ... (Narodnyi universitet kul'tury: Tekhnicheskii fakul'tet, no. 9)
No. 1, 1963. 36 p.

KIROMOV, P. A. [Labor productivity in ... industry] Proizvoditel'nost' truda v ... SSSR. Moskva, Ekonomizdat, 1963. 163 p.

KIEVSKII, V. G. [Construction planning] ... stroitel'stva. Moskva, Ekonomizdat, 1963. ... (V pomoshch' propagandistam i ... partiinogo prosveshcheniia)

KIRILLOV, I. A., [Wonderful peninsula] ... poluostrov. Simferopol', Krymizdat, 1963. ... p.

KIRSANOV, A. V. [True face of the "American way of life"] "Amerikanskii obraz zhizni" ... skva, Ekonomizdat, 1963. 143 p.

KLIUKIN, N. V. [Mogilov; a sketch on its history, geography and economy] Mogilov; ... skii i ekonomicheskii ocherk. Minsk, ... 1963. 121 p.

KOKHMAN, V. E. [Analysis of the utilization of equipment based on automatic accounting data] ... pol'zovaniia oborudovaniia na osnove ... (izlozhennogo ucheta; stenogramma ... rossiiskom soveshanii po mekhanizatsii i ... tsii inzhenernogo i upravlencheskogo truda ... myshlennosti i stroitel'stve. Leningrad, 1963. ... (Leningradskii dom nauchno-tekhnicheskoi ... Serila: Mekhanizatsiia inzhenernogo i upravlencheskogo truda)

KOMAROV, F. V. [Trends in the mechanization of engineering and management operations at enterprises ... in organizations of the Moscow City Economic ... Napravleniia mekhanizatsii inzhenernykh i upravlencheskikh rabot na predpriiatiiakh i v organizatsiiakh Mosgorsovnarkhoza; stenogramma ... Vserossiiskom soveshanii po mekhanizatsii i ... tsii inzhenernogo i upravlencheskogo truda v ... myshlennosti i stroitel'stve. Leningrad, 1963. ... (Leningradskii dom nauchno-tekhnicheskoi ... Serila: Mekhanizatsiia inzhenernogo i upravlencheskogo truda)

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshaia partiinaia shkola. [Economics of agricultural enterprises] Ekonomika sil'skokhospodars'kykh pidpryiemstv, navchal'nyi posibnyk. Kyiv, Derzhpolitvydav URSR, 1963. 469 p.

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshaia partiinaia shkola. [Economics of industrial enterprises] Ekonomika promyshlennykh predpriiatii, uchebnik 3 izd., perer. Moskva, Gospolitizdat, 1963. 574 p.

KOROSTELEV, V.A. [What type of economy increases the profit of an enterprise] Kakaia ekonomiia uvelichivaet pribyl' predpriiatiia. [Moskva] "Moskovskii rabochii," 1963. 55 p. (Osnovy ekonomicheskikh znanii — kazhdomu rabochemu)

KOROVINA, Z. P. [Method of calculating the time expended per unit of production] Metodika raschetov trudoemkosti produktsii. Moskva, Ekonomizdat, 1963. 94 p.

KOSVEN, M.O. [Family communes and patronymy] Semeinaia obshchina i patronimiia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 217 p.

KRUSHCHEV, N.S. [Communism is the peace and happiness of the people] Komunizm - myr i shchastia narodiv, v dvukh tomakh. Kyiv, Derzhpolitvydav *URSR.*
Vol. 1 [January - September 1961] Sichen' - Veresen 1961 r. 1962. 386 p.

KULINYCH, I.M. [The Ukraine in the predatory plans of German imperialism, 1900-1914] Ukraina v zahalbnyts'kykh planakh nimets'koho imperializmu (1900-1914 pp.). Kyiv, Vydavnytstvo AN URSR, [n.d.] 214 p.

KUZ'MIN, V.L. [Chuvashia during the first years of the large-scale building of communism, 1959-1962] Chuvashskaia ASSR v pervye gody razvernutogo stroitel'stva kommunizma, 1959-1962 gg. Cheboksary, Chuvashskoe knizhnoe izd-vo, 1963. 89 p.

[THE LATVIAN S.S.R. IN FIGURES FOR 1962; concise statistical abstract] Latviiskaia SSR v tsifrakh v 1962 godu; kratkii statisticheskii sbornik. Riga, Gosstatizdat, 1963. 211 p.

LAZEBNYK, IU. A. [Geneva diary] Zhenevs'kyi shchodennyk. Kyiv, Vyd-vo TsK LKSMU "Molod'", 1963. 173 p.

LEMAN, V.V. [Economics and planning in book publishing, industrial and financial plan, planning of operations, and accounting for operations] Ekonomika i planirovanie v knizhnom izdatel'stve; promfinplan, operativnoe planirovanie i operativnyi uchet. Moskva, Iskusstvo, 1963. 322 p.

LENINGRAD. UNIVERSITET. Kafedra politicheskoi ekonomii. [Lecture course in economics; the communist means of production] Kurs lektsii po politicheskoi ekonomii; kommunisticheskii sposob proizvodstva. [Leningrad] Izd-vo Leningr. univ., 1963. 480 p.

LENINGRAD (Province) Gosudarstvennyi arkhiv Oktiabr'skoi revoliutsii i sotsialisticheskogo stroitel'stva. [Restoration of industry in Leningrad, 1921-1924] Vosstanovlenie promyshlennosti Leningrada, 1921-1924 gg. Sost. E.I. Zisel'son. Pod red. S.I. Tiul'panova i L.A. Shitova. [Leningrad] Izd-vo Leningr. univ.
Vol. 1. 1963. (Its: Vosstanovlenie i nachalo rekonstruktsii promyshlennosti Leningrada, 1921-1928 gg.; dokumenty i materialy, no. [1])
(MH)

LEVINA, A.L. [Answering for each man] V otvete za cheloveka. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. X Seriia: Molodezhnaia, *no. 18)*

LEVITSKII, G.A. [They are condemned by the millions of Soviet citizens] Proklyty nikh - millionv. [Leningrad] Lenizdat, 1963. 82 p.

LIAKIN, V.N., and others. [The enemy will not achieve his objective] Vrag ne dostignet tseli. [Leningrad] Lenizdat, 1963. 202 p.

[LIGHTS OVER THE RIVER; on the 50th anniversary of the Krasnodar Petroleum Refining Plant] Ogni nad rekoi, k 50-letiiu Krasnodarskogo neftepererabatyvaiushchego zavoda. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1961. 76 p.

MANIUSHIS, I.A. [Development of construction and its material and technological base in Lithuania] Razvitie stroitel'stva i ego material'no-tekhnicheskoi bazy v Litovskoi SSR. Vil'nius, Gospolitnauchizdat, 1963. 239 p.

MARKOVA, M.V. [Practical application of economic evaluation of land] O prakticheskom primenenii ekonomicheskoi otsenki zemli. [Moskva] Moskovskii rabochii, 1963. 57 p. (Uchenye predlagaiut)

MARX, KARL, and FRIEDRICH ENGELS. [Manifesto of the Communist Party] Manifest Kommunisticheskoi partii. Moskva, Gospolitizdat, 1963. 70 p.

MASHINSKII, I.A., and V.I. SOPIN. [Technical standards and wages in petroleum refinery and petroleum chemical plants] Tekhnicheskoe normirovanie i zarabotnaia plata na neftepererabatyvaiushchikh i neftekhimicheskikh predpriiatiiakh, spravochnaia kniga 2., dop. i perer. izd. Moskva, Gostoptekhizdat, 1963. 232 p.

MASHKOV, A.P. [Communism is the most just form of society] Kommunizm — samoe spravedlivoe obshchestvo. Leningrad, Ob-vo po rasprostraneniiu polit. i naucha. znanii RSFSR, 1963. 64 p.

MENDEL'SON, A.S. [Value and price, a theoretical study] Stoimost' i tsena, teoreticheskii ocherk. Moskva, Ekonomizdat, 1963. 118 p.

MOLOCHNOYE (VOLOGODSKAYA OBLAST') VOLOGODSKII MOLOCHNYI INSTITUT. [Scientific Conference on the Results of Research Work for the period from 1958 to 1959] Nauchnaia konferentsiia po itogam nauchno-issledovatel'skoi raboty za 1958-1959 gg., tezisy dokladov. [Vologda] Vologodskoe knizhnoe izd-vo, 1960. 174 p.
[MICROFILM]

MOROZOV, I.I. [Organization of train traffic on lengthened haul distances] Organizatsiia dvizheniia poezdov na udlinennykh tiagovykh plechakh. Moskva, Transzheldorizdat, 1963. 84 p. (Bibliotechka dezhurnogo po stantsii i poezdnogo dispetchera)

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT EKONOMIKI SEL'SKOGO KHOZIAISTVA. [Resources and ways for increasing labor productivity in agriculture] Rezervy i puti povysheniia proizvoditel'nosti truda v sel'skom khoziaistve SSSR. Red. kollegiia: E.S. Kalmaukhova i dr. Moskva, Ekonomizdat, 1962. 490 p.

MUKHAMEDOV, A.M. [Protection of people's property is a sacred duty of every Soviet citizen] Okhrana narodnoi sobstvennosti - sviashchennyi dolg kazhdogo sovetskogo grazhdanina. Ashkhabad, Ob-vo po raspr. polit. i naucha. znanii Turkmenskoi SSR, 1962. 40 p.
[MICROFILM]

MURADOV, A. [Improving workers' welfare during the seven-year plan] Ietdddiilikde zechmeikeshlerin rifahchynyn lakhshylashdyrylmasy. Baku, 1961. 30 p. (Azerbaichan SSR elmi ve etnil bilikleri Intan chemiiiet. I seriia, no. 23) [In Azerbaijani]

[NATIONAL ECONOMY OF SOCIALIST COUNTRIES IN 1962; reports of statistical agencies] Narodnoe khoziaistvo sotsialisticheskikh stran v 1962 godu, soobshcheniia statisticheskikh upravlenii. Moskva, Ekonomizdat, 1963. 206 p.

[NATIONAL ECONOMY OF THE U.S.S.R. in 1962; statistical yearbook] Narodnoe khoziaistvo SSSR v 1962 godu, statisticheskii ezhegodnik. Moskva, Gosstatizdat, 1963. 736 p.

[NEWS FROM SEVERSKIY] Severskie novinv. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 114 p.

NIERIEZOV, T.O. [Development of interfarm production relations in the Ukraine] Rozvytok mizhkolhospnykh vyrobnychykh zv'iazkiv na Ukraini. Kyiv, Derzh. vyd-vo sil's'kohospodars'koi lit-ry, 1961. 46 p.
(WU)

NOSENKO, O.E. [Dollar on the throne] Dolar na prestoli. [Kyiv] Kyivs'ke oblastne knyzhkovo-hazetne vyd-vo, 1963. 130 p.

NOSOV, F.V. [Creative initiative of the masses in the building of communism] Tvorcheskaia initsiativa mass v stroitel'stve kommunizma. [Leningrad] Lenizdat, 1961. 96 p.
(CSt-H)

OLISHEVETS, L.M., and N.A. ORLOV, eds. [Organization, planning and economics of airplane production] Organizatsiia, planirovanie i ekonomika aviatsionnogo proizvodstva. [By] D.P. Andrianov i dr. Moskva, Oborongiz, 1963. 694 p.

ORKIN, G.A. [Control of volunteers over the work of public dining rooms] Obshchestvennyi kontrol' za rabotoi stolovykh. [Moskva] Profizdat, 1963. 77 p. (Bibliotechka profsoiuznogo aktivista, no. 11(69))

OSOKIN, G.A. [In one line] Edinym strokom. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1961. 23 p. (Rasskazyvaiut pionery budushchego)

PANCHENKO, M.P. [Reproduction of the social product on collective farms] Vidtvorennia suspil'noho produktu v kolhospakh. [Kyiv] Vyd-vo Kyivs'koho univ., 1963. 309 p.
(InU)

PANOV, P.G., and N.V. SEMUKHIN. [Municipal economy of Sverdlovsk today and tomorrow] Gorodskoe khoziaistvo Sverdlovska segodnia i zavtra. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 71 p.

PAVLOV, V.P. [Critical evaluation of the theory of "class peace" in the U.S.A.] Kritika teorii "klassovogo mira" v SShA. Moskva, Sotsekgiz, 1963. 205 p.

PAVLOVA, A.I. [Planning by individual orders in machinery manufacturing] Planirovanie po individual'nym zakazam v mashinostroenii. Moskva, Mashgiz, 1963. 70 p.

[PEOPLE'S PATROL IS GOING THROUGH THE CITY] Narodnyi patrul' idet po gorodu. [Moskva] Moskovskii rabochii, 1963. 87 p.

PETROV, B.S., and V.A. SIZOV. [Specialization and cooperation of furniture enterprises] Spetsializatsiia i kooperirovanie mebel'nykh predpriiatii. Moskva, Goslesbumizdat, 1963. 91 p.

PIVOVAROV, IA.I. [Operational production planning using the EV-80-3 electronic computer] Operativnoe planirovanie proizvodstva s ispol'zovaniem elektronnogo vychislitelia EV-80-3, stenogramma doklada na Vsesoiuznom soveshchanii po mekhanizatsii i avtomatizatsii inzhenernogo i upravlencheskogo truda v promyshlennosti i stroitel'stve. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1963. 13 p.

PLOTKIN, N.L. [Experience in the overall mechanization of accounting using 80-column computing and punched card machines] Opyt polnoi mekhanizatsii bukhgalterskogo ucheta s ispol'zovaniem 80-kolonnykh schetno-perforatsionnykh mashin; stenogramma doklada na Vsesoiuznom soveshchanii po mekhanizatsii i avtomatizatsii inzhenernogo i upravlencheskogo truda v promyshlennosti i stroitel'stve. Leningrad, 1963. 12 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Mekhanizatsiia inzhenernogo i upravlencheskogo truda)

PORTNOI, I.L., and L. LEVITIN. [Those who took forward] Vpered smotriashchie. Alma-Ata, Kazakhskoe gos. izd-vo polit. lit-ry, 1962. 50 p.
(CSt-H)

[THE RELAY RACE IS ON] Estafeta v dorogu. Kiev, Vydvo TsK LKSMU "Molod," 1963. 309 p.

ROGALEV, A.V. [Put every ruble to work; persist in lowering the cost of apartment houses] Kazhdyi rubl'— v delo; nastoichivo udeshevliat' zhilishchnoe stroitel'stvo. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 62 p.

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Manual of consolidated indices of the cost of planning and research] Spravochnik ukrupnennykh pokazatelei stoimosti proektnykh i izyskatel'nykh rabot. Moskva, Gosstroiizdat.
Pt. 12. [Enterprises of the chemical industry] Predpriiatiia khimicheskoi promyshlennosti. 1956. 77 p.

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi planovoi komitet. [Methodology for determining the economic efficiency of the introduction of new machinery, the mechanization and the automation of production processes into industry; adopted by the State Planning Committee of the U.S.S.R. December 9, 1961] Metodika opredeleniia ekonomicheskoi effektivnosti vnedreniia novoi tekhniki, mekhanizatsii i avtomatizatsii proizvodstvennykh protsessov v promyshlennosti; utverzhdeno Gosplanom SSSR 9 dekabria 1961. Moskva, Izd-vo Akad. nauk SSSR, 1962. 45 p.

RUSSIA (1923- U.S.S.R.) Upravlenie prepodavaniia obshchestvennykh nauk. [Program for the course in economics for institutions of higher learning (150 hours)] Programma kursa politicheskoi ekonomii dlia vysshikh uchebnykh zavedenii (150 chasov). Moskva, Sotsekgiz, 1962. 32 p.

RUSSIAN-ENGLISH GLOSSARY OF ECONOMIC AND TRADE TERMS. New York, Telberg Book Company [1959] 31 p.
(WaU)

SAVCHUK, P.O [Essays in economics] Ocherki politicheskoi ekonomii Moskva, Sotsekgiz, 1963 422 p

SENIAVSKII, S.I. [Workers are at the forefront, the leading role of workers during the large-scale building of communism] Vo glave—rabochii klass, o rukovodiashchei roli rabochego klassa v period razvernutogo stroitel'stva kommunizma Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike, I Seriia Istoriia, no. 17)

SIDOROV, M.V. [How to improve the planning and financing of capital construction] Kak uluchshit' planirovanie i finansirovanie kapital'nogo stroitel'stva. Moskva, Ekonomizdat, 1963. 60 p. (V pomoshch' ekonomistu i planoviku)

SIGOV, L.I. [Division of labor in agriculture during the transition to communism] Razdelenie truda v sel'skom khoziaistve pri perekhode k kommunizmu Moskva, Ekonomizdat, 1963 262 p

SKRIPNIK, P.M. [Ways to reduce the cost of coal] Puti snizheniia sebestoimosti uglia. Kiev, Gostekhizdat USSR, 1963 179 p

SLAVUTSKII, A.O. [Hot breath] Goriachee dykhanie Moskva, 'Sovetskaia Rossiia,' 1963 249 p

SMIRNOV, S.A. [In what cases government pensions are awarded to collective-farm members] V kakikh sluchaiakh gosudarstvennye pensii naznachaiutsia chlenam kolkhozov Moskva, Gosiurizdat, 1963 75 p

[SOCIAL SCIENCE, textbook for the graduating class of the secondary school and secondary special schools] Suspil'stvoznavstvo, pidruchnyk dlia vypusknoho klasu seredn'oi shkoly i serednikh spetsial'nykh navchal'nykh zakladiv Kyiv, Radians'ka shkola, 1963 360 p

SOKHAN', L.V., and Z.O SIL'CHENKO. [Technological progress and the worker, the formation of a new type of worker in the process of the building of communism] Tekhnichnyi progres i robitnyk, formuvannia pratsivnyka novoho typu v protsesi komunistychnoho budivnytstva Kyiv, Vyd-vo AN URSR, 1963 161 p.

STAVTSEVA, A.I. [Reinstatement of wrongfully dismissed workers and employees in their former positions] Vosstanovlenie na rabote nepravil'no uvolennykh rabochikh i sluzhashchikh Moskva, Gosiurizdat, 1963 50 p. (Iuridicheskie konsul'tatsii dlia naseleniia v voprosakh i otvetakh)

STOLIAROV, I.K. [Communists in the most important sectors of production] Kommunisty na reshaiushchikh uchastkakh proizvodstva [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1961 39 p

TELUNTS, A.M. [Conditions and characteristics of the development of science in a socialistic society] Usloviia i osobennosti razvitiia nauki v sotsialisticheskom obshchestve Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1963 289 p

TITSKII, N.P. [Green light for advanced practice] Peredovomu - zelenuiu ulitsu. [Leningrad] Lenizdat, 1962. 58 p. (Bibliotechka sekretaria partiinoi organizatsii)

[TOWARD THE NEW ACHIEVEMENTS; the Russian Federation in 1963. Concise handbook] K novym rubezham, Rossiiskaia Federatsiia v 1963 godu. Kratkii spravochnik Moskva, Sovetskaia Rossiia, 1963. 284 p.

[TRADE-UNION GROUP ORGANIZER'S COMPANION] Sputnik profgruporga. . [By] N.P. Ogolev i dr. [Moskva] Profizdat, 1962. 288 p

TRAVINSKII, V.M. [How millions of Negroes lost their lives] Kak pogibli milliony negrov. Moskva, Sotsekgiz, 1963 246 p.

TUCHNIN, R.A. [Mexico without the exotic] Meksika bez ekzotiki. Moskva, Gospolitizdat, 1963. 125 p. (Latinskaia Amerika segodnia)

VOLKOVA, O.I. [Sugar industry of the member countries of the Council for Mutual Economic Aid] Sakharnaia promyshlennost' stran-uchastnits SEV. Moskva, TSentr. in-ta pishch. prom., 1963 31 p. [MICROFILM]

[WOMEN OF KIEV] Kyianky. [Kyiv] Kyivs'ke obl. knyzhkovo-gazetne vyd-vo, 1963. 132 p.

ZABIROV, B.SH., and E.A. SHCHUKIN [Under the sky of Arabia] Pod nebom Aravii, ocherk. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. XII Seriia Geologii i geografiia, no. 16)

ZAITSEV, N.S. [New stage of the general crisis of capitalism] Novyi etap obshchego krizisa kapitalizma. [Moskva] Rostuizdat, 1963. 38 p.

ZANIN, V.I. [Working time and labor productivity] Rabochee vremia i proizvoditel'nost' truda Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963 114 p

ZAVADSKAIA, R.S., and IU.V. LOBOVIKOV. [Problems in planning in commerce] Sbornik zadach po planirovaniiu v torgovle. Moskva, Gostorgizdat, 1963 133 p.

ZHAVORONKO, A.I. [Family and the education of children] Sim'ia i vykhovannia ditei Kyiv, Derzhpolitvydav URSR, 1963 30 p. (Moral'nyi kodeks budivnyka komunizmu)

6. POLITICAL SCIENCE

ALEKSEEV, A.G. [From the party of the workers' class to the party of all the people] Ot partii rabochego klass — k partii vsego naroda, Leningrad, Ob-vo "Znanie," RSFSR, 1963. 55 p.

BACHURINSKII, V.E. [Our Thursdays, on the work of the theoretical study group at a workshop of the S.M. Kirov "Elektrosila" Plant] Nashi chetvergi, iz opyta raboty tsekhovogo teoreticheskogo seminara na zavode "Elektrosila" imeni S.M. Kirova. [Leningrad] Lenizdat, 1963. 38 p. (Iz opyta propagandy i agitatsii)

BACHYNS'KYI, P.P. [Seventh Conference of the Communist Party of the Ukraine (Bolshevik)] S'oma konferentsiia KP(b)U. Kyiv, Derzhpolitvydav, 1963, 155 p. (Z'izdy i konferentsii Komunistychnoi partii Ukrainy)

BEGLOV, S.I., V.V. ZHURKIN, and M.G. STURUA. [Current problems of world politics, Quarterly international review, April-June, 1963] Tekushchie problemy mirovoi politiki. Ezhekvartal'noe mezhdunarodnoe obozrenie (aprel'-iiun' 1963 g). Moskva, Izd-vo "Pravda," 1963, 54 p.

BELENCHUK, I.A. [Democratic character of the Soviet election system] Demokratyzm Radians'koi vyborchoi systemy. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 42 p.

[BIRTH OF THE COMMUNIST YOUTH LEAGUE IN CHUVASHIA] Rozhdenie komsomola Chuvashii. Cheboksary, Chuvashskoe gos. izd-vo, 1961. 110 p. (CSt-H)

BORZENKO, S.A. [Everybody is a sentry of our country; a message to the young] Kazhdyi - chasovoi Rodiny; slovo k molodym. Moskva, Izd-vo "Znanie," 1963. 38 p. (Novoe v zhizni, nauke, tekhnike. X Seriia: Molodezhnaia, no. 16)

BURNS, EMILE. [Right wing labor, its theory and practice. Translated from the English] Teoriia i praktika pravykh leiboristov. Vstup. stat'ia I.N. Dvorkina. Moskva, Izd-vo inostr. lit-ry, 1962. 166 p. (IaU)

[CAUGHT RED-HANDED; a collection of facts on the espionage and other subversive activities of the U.S.A. against the U.S.S.R.] Poimany s polichnym; sbornik faktov o shpionazhe i drugikh podryvnykh deistviiakh SShA protiv SSSR. 2. izd. Moskva, Gospolitizdat, 1962 151 p.

[COMPANION FOR ACTIVE MEMBERS OF THE COMMUNIST YOUTH LEAGUE, a guide book] Sputnik komsomol'skogo aktivista, spravochnaia knizhka. [Moskva] Molodaia gvardiia, 1962, 350 p.

COUNCIL OF FOREIGN MINISTERS. [Draft treaty on the re-establishment of an independent and democratic Austria. Based on the decisions of the Moscow session of the Council of Ministers of Foreign Affairs, the Soviet Delegation] Proekt dogovora o vosstanovlenii nezavisimoi i demokraticheskoi Avstrii. Sostavlen na osnovanii reshenii Moskovskoi sessii Soveta Ministrov Inostrannykh Del, Sovetskaia delegatsiia. [n.p.] 30 aprelia 1947 goda. 105 p.

DMITRIEV, BORIS. [The U.S.A.; danger from the right] SShA; opasnost' sprava. Moskva, Izd-vo In-ta mezhdunar. otnoshenii, 1963. 167 p.

EMEL'IANOVA, E.D. [Work of the Communist Party among working women during the period of socialist construction] Rabota Kommunisticheskoi partii sredi trudiashchikhsia zhenshchin v vosstanovitel'nyi period. Smolensk, Smolenskii gos. pedagog. in-t, 1961. 33 p. (MH)

FILIMONOV, V.G. [Establishment and growth of the R.S.F.S.R., studies on the development of the Soviet state] Obrazovanie i razvitie RSFSR, ocherki po gosudarstvennomu stroitel'stvu. Moskva, Gosiurizdat, 1963 229 p.

FILIPCHUK, A.I. [Friendship and brotherhood of the Soviet nationalities] Druzhba i bratstvo sovetskikh narodov. Kyiv, Derzhpolitvydav URSR, 1963 26 p. (Moral'nyi kodeks budivnyka kommunizmu)

FOMINA, V.A., and M.N. DEL'GRAMMATIK. [Marxism-Leninism on the development of personality and on the bankruptcy of a reactionary anti-communist dogma] Marksizm-leninizm o razvitii lichnosti i krakhe ee reaktsionnoi dogmy antikommunizma. [Moskva] Izd-vo Mosk. univ., 1963. 47 p.

GALESNIK, L.S. [The Soviet multinational state and its role in the building of communism] Sovetskoe mnogonarodnoe gosudarstvo i ego rol' v stroitel'stve kommunizma. Moskva, Gosiurizdat, 1963 44 p. (Bibliotechka slushatelia narodnogo universiteta pravovykh znanii)

GASRATIAN, M.A., and P.P. MOISEEV. [Duties and changes] Tvrtsiia Zidet pezemen. Moskva, Izd-vo vostochnoi lit-ry, 1963. 94 p.

GOLOMUZ, I., and others. [Rank and file Communists] Riadovye kommunizma. Kishinev, "Kartia moldovenaske," 1962. 110 p. (CSt-H)

GRIGOR'IAN, F.A. [According to the place of residence. Po mestu zhitel'stva [Leningrad] Lenizdat, 1962 77 p. (Bibliotechka sekretaria partiinoi organizatsii)

[HANDBOOK FOR THE PIONEERS FOR THE 1962/1963 SCHOOL YEAR] Pionerskii sputnik na 1962/1963 uchebnyi god. [Moskva] Mosk. rabochii, 1962. 70 p.

IEL'CHENKO, IU.N. [A militant helper of the party] Botovyi pomichnyk partii Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1963. 95 p.

KLYNCHENKO, V.V., and I.N. MINEVYCH. [Be implacable to the enemies of communism] Buly neprymyrennym do vorohiv komunizmu. Kyiv, Derzhpolitvydav URSR, 1963. 34 p. (Moral'nyi kodeks budivnyka komunizmu)

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. 13. s"ezd, Moscow, 1924. [Thirteenth Congress of the Russian Communist Party (Bolsheviks) May 1924 verbatim report] Tринадцатый s"ezd RKP(b) mai 1924 g.; stenograficheskii otchet. Moskva, Gosp. lit. izdat, 1963. 863 p. (Protokoly i stenograficheskie otchety s"ezdov i konferentsii KPSS) (CStmoR)

KOROTUN, L.G. [The pass is a red tie] Propusk - krasnyi galstuk. Moskva, Izd-vo "Znanie," 1961. 46 p. (Novoe v zhizni, nauke, tekhnike. XI Seriia Pedagogika, no. 15)

KOVTUN, IU.E. [Soviet state during the period of the large-scale building of communism; an analytical review] Sovetskoe gosudarstvo v period razvernutogo stroitel'stva kommunizma; obzornaia referentsiia. Moskva, Izd-vo "Znanie," 1963. 43 p. (V pomoshch' lektory)

LOKTEV, I.V. [Development of V.I. Lenin's theory of the socialist state in the new program of the CPSU] Razvitie v novoi programme KPSS uchenila V.I. Lenina o sotsialisticheskom gosudarstve. Leningrad, Ob-vo po rasprostraneniiu polit. i nauchn. znanii RSFSR, 1963. 71 p.

MOSCOW. AKADEMIIA OBSHCHESTVENNYKH NAUK. [Lectures on the history of the CPSU] Lektsii po istorii KPSS; prochitany aspirantam Akademii obshchestvennykh nauk pri TsK KPSS v 1961/1962 g., Moskva, Izd-vo VPSh i AON, No. 1. 1963. 367 p. (CStmor)

MOSCOW. GOSUDARSTVENNAIA PUBLICHNAIA ISTORICHESKAIA BIBLIOTEKA. [Communist Party of the Soviet Union as the mind, honor and conscience of our epoch; a brief bibliography] Kommunisticheskaia partiia Sovetskogo Soiuza - um, chest' i sovest' nashei epokhi; kratkii ukazatel' literatury. V pomoshch' propagandistu. Moskva, Izd-vo Vses. knizhnoi palaty, 1963. 38 p.

NAUCHNAIA KONFERENTSIIA PO PROBLEME "KOMMUNISTICHESKOE VOSPITANIE TRUDIASHCHIKHSIA V PERIOD RAZVERNUTOGO STROITEL'STVA KOMMUNIZMA." Novosibirsk, 1961. [Materials of the Conference on the Communist Education of Workers During the Large-Scale Building of Communism] Materialy. Krasnoiarsk, Izd-vo Sibirskogo otd-niia Akad. nauk SSSR.
No. 1. [Problems of educational work in collectives of communist labor] Voprosy vospitatel'noi raboty v kollektivakh kommunisticheskogo truda. 1961. 270 p.
No. 4. [Communist education of students] Kommunisticheskoe vospitanie shkol'nikov. 1962. 173 p.

NEKRASOV, V.N. [Great Britain, problems of foreign policy] Anglila: problemy vneshnei politiki. Moskva, Znanie, 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. VII Seriia. Mezhdunarodnaia, no. 8)
(MH)

[THE PARTY IS OUR HELMSMAN] Partiia – nash kermanych. Kyiv, Derzhpolitvydav URSR 1963. 303 p.

PATLAZHAN, IU.I. [The Leninist foreign policy of peace prevails] Leninis'ka zovnishnia politvka myru peremahaie. Kyiv, Derzhpolitvydav URSR, 1963. 77 p.

PETROV, V.I. [Disarmament is a root problem] Razoruzhenie - korennoi vopros. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. VII Serila: Mezhdunarodnaia, no. 17)

RUSSIA (1923- U.S.S.R.). [Declaration of the Soviet government] Zaiavlenie Sovetskogo pravitel'stva. Moskva, Politizdat, 1963. 30 p. ["Pravda," August 21, 1963]

RUSSIA (1923- U.S.S.R.) [Declaration of the Soviet government] Zaiavlenie Sovetskogo pravitel'stva Moskva, Politizdat, 1963. 63 p. ["Pravda," September 21-22, 1963]

RUSSIA (1923- U.S.S.R.) Upravlenie prepodavaniia obshchestvennykh nauk. [Topics for tests on the history of the CPSU for special secondary correspondence schools in the U.S.S.R.] Tematika kontrol'nykh rabot po istorii KPSS dlia zaochnykh srednikh spetsial'nykh uchebnykh zavedenii SSSR. Moskva, Gospolitizdat, 1962. 19 p.

SATOW, Sir ERNEST MASON. [A guide to diplomatic practice. Translated from the English] Rukovodstvo po diplomaticheskoi praktike. Pod obshchei red. F. F. Molochkova. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1961. 495 p.
(IaU)

SHADEINA, M.G. [Increasing the role of the CPSU in the development of the creative initiative of the peasantry in the period of the building of communism] Vozrastanie roli KPSS v razvitii tvorcheskoi initsiativy krest'ianstva v period stroitel'stva kommunizma. [Tiumen'] Tiumenskoe knizhnoe izd-vo, 1961. 34 p.
(MH)

SHESTOPAL, M.M. [We are internationalists] My—internatsionalisty. Kyiv, Derzhpolitvydav URSR, 1963. 34 p. (Moral'nyi kodeks budivnyka komunizmu)

SILVET, E. [Toward communist communal self-government; work of the soviets of workers' deputies of the Estonian S.S.R. in the development of socialist democracy] Uhiskonna kommunistiliku omavalitsuse suunas, Eesti NSV toorahva saadikute noukogude tegevusest sitsialistiku demokraatia edasiarendamisel. Tallinn, Eesti Riiklik Kirjastus, 1963. 98 p. [In Estonian]

SLEPOV, L.A. [A new stage in the development of Leninist organizational principles] Novyi etap v razvitii leninskikh organizatsionnykh printsipov, v pomoshch' studentam zaochnogo i vechernego obucheniia, izuchaiushchim materialy XXII s"ezda KPSS. [Moskva] Rosvuzizdat, 1963. 29 p.

STARUSHENKO, G.B. [Against the export of counterrevolution] Protiv eksporta kontrrevoliutsii. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhniki. VII Serila: Mezhdunarodnaia, no. 16)

SYSOEV, P.S. [The beginning of the Astrakhan Social Democratic Organization and its first work] Vozniknovenie Astrakhanskoi sotsial-demokraticheskoi organizatsii i pervye shagi ee deiatel'nosti. Astrakhan' Izd-vo "Volga," 1962. 107 p.
(CSt-H)

TAJIK S.S.R. Verkhovnyi Sovet. [Meetings of the Supreme Soviet of the Tajik S.S.R., eighth session; verbatim report] Zasedaniia Verkhovnogo Soveta Tadzhikskoi SSR (vos'maia sessiia), stenograficheskii otchet. Dushanbe, 1963. 331 p. [In Tajik and Russian]

VIKTOROV, B.A. [Spies disguised as tourists] Shpiony pod maskoi turistov. Moskva, Voenizdat, 1963. 53 p.

VOLOKHOVICH, L.I. [The party organization in White Russia during the first years of the New Economic Policy, 1921-1924] Partiinoe stroitel'stvo v Belorussii v pervye gody NEPa, 1921-1924 gg. Pod red. M.E. Shkliara. Minsk, Izd-vo M-va vysshego, srednego, spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 106 p.
(NIC)

7. LAW

ALEKSANDROV, N.G. [Soviet labor law] Sovetskoe trudovoe pravo. Izd. 3., ispr. i dop. Moskva, Gosiurizdat, 1963. 414 p.

ANDREEV, V.S. [Material security of Soviet citizens in old-age, and in complete or temporary disability; legal problems] Material'noe obespechenie grazhdan SSSR v starosti, v sluchae invalidnosti i vremennoi netrudosposobnosti, pravovye voprosy. Moskva, Gosiurizdat, 1963. 161 p.

BYCHKOVA, TS.V. [Legal problems in the supply of electric power to agriculture] Pravovi pytannia postachannia elektroenergii sil's'komu hospodarstvu. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 96 p.

[COMMENTARIES TO THE CRIMINAL PROCEDURE CODE OF THE WHITE RUSSIAN S.S.R.] Ugolovno-protsessual'nyi kodeks Belorusskoi SSR, kommentarii. Pod obshchei red. S.T. Shardyko, G.F. Basova. Minsk, Gosizdat BSSR, 1963. 314 p.

ESTONIAN S.S.R. Laws, statutes, etc. [Statute on elections to district, city, settlement, and village soviets of workers' deputies in the Estonian S.S.R. Adopted by decree of the Presidium of the Supreme Soviet of the Estonian S.S.R., December 20, 1954. With amendments introduced by decrees of the Presidium of the Supreme Soviet of the Estonian S.S.R. December 27, 1958, January 13, 1959, and January 19, 1963] Polozhenie o vyborakh v raionnye, gorodskie, poselkovye i sel'skie Sovety deputatov trudiashchikhsia Estonskoi SSR. Tekst, utverzhdennyi Ukazom Prezidiuma Verkhovnogo Soveta Estonskoi SSR ot 27 dekabria 1958 g., 13 ianvaria 1959 g. i 19 ianvaria 1963 g. Tallinn, Estonskoe gos. izd-vo 1963. 35 p.

GAL'PERIN, G.I. [Fundamentals of the patent copyright law of the U.S.S.R.] Osnovy izobretatel'skogo i avtorskogo prava SSSR; uchebnoe posobie po kursu "Sovetskoe pravo." Moskva, Zaochnyi finansovo-ekon. in-t, 1960. 28 p.
[MICROFILM]

GORSHENIN, K.P., ed. [Manual for people's assessors] Posobie dlia narodnykh zasedatelei. Moskva, Gosiurizdat, 1963. 316 p.

KALLISTRATOVA, R.F. [Prearbitration procedure in settling the disputes of socialist organizations] Pretenzionnyi poriadok razresheniia sporov mezhdu sotsialisticheskimi organizatsiiami. Moskva, Gosiurizdat, 1963. 107 p.

KAZAKH S.S.R. Laws, statutes, etc. [Law on the judicial system of the Kazakh S.S.R. With amendments and supplements introduced by the law of the Kazakh S.S.R. of July 5, 1960] Zakon o sudoustroistve, Kazakhskoi SSR. S izmeneniiami i dopolneniiami, vnesennymi Zakonom Kazakhskoi SSR ot 5 iiulia 1960 goda. Alma-Ata, Kazgosizdat, 1962. 14 p.

KOMISSAROV, K.I. [Principles of the organization and work of the Soviet Court] Osnovy organizatsii i deiatel'nosti sovetskogo suda. Moskva, Gosiurizdat, 1963. 22 p. (Bibliotechka slushatelia narodnogo universiteta pravovykh znanii)

KORETSKII, V.I. [Structure and content of the water rights codes of the Union Republics] O strukture i soderzhanii respublikanskikh vodnykh kodeksov. Dushanbe, Tadzhikskii gos. univ., 1962. 48 p.

KUTSOVA, E.F. [A damage suit in criminal procedure] Grazhdanskii isk v ugolovnom protsesse; lektsii dlia studentov iuridicheskikh fakul'tetov. [Moskva] Izd-vo Mosk. univ. 1963. 34 p.

[LABOR RIGHTS OF YOUNG SPECIALISTS] Trudovye prava molodykh spetsialistov. Moskva, Gosiurizdat, 1963. 55 p. (Iuridicheskie konsul'tatsii dlia naseleniia v voprosakh i otvetakh)

LAPTEV, V.V. [Legal status of government-owned industrial enterprises in the U.S.S.R.] Pravovoe polozhenie gosudarstvennykh promyshlennykh predpriiatii v SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 286 p.

LATVIAN S.S.R. Laws, statutes, etc. [Statute on elections to the Supreme Soviet of the Latvian S.S.R. As amended by the decrees of the Presidium of the Supreme Soviet of the Latvian S.S.R. of January 5 and 20, 1959, March 31, 1961, and December 27, 1962] Polozhenie o vyborakh v Verkhovnyi Sovet Latviiskoi SSR, s izmeneniiami i dopolneniiami, vnesennymi Ukazami Prezidiuma Verkhovnogo Soveta Latviiskoi SSR ot 5 i 20 ianvaria 1959 goda, 31 marta 1961 goda i 27 dekabria 1962 goda. Riga, Latviiskoe gos. izd-vo, 1963. 27 p.

LITHUANIAN S.S.R. Laws, statutes, etc. [Statute on elections to district, city, township and settlement soviets of workers' deputies in the Lithuanian S.S.R. Approved by order of the Presidium of the Supreme Soviet of the Lithuanian S.S.R. on October 7, 1950, with amendments by the Presidium of the Supreme Soviet of the Lithuanian S.S.R. on December 20, 1954, December 28, 1956, January 22, 1959 and January 8, 1963] Rinkimu i Lietuvos TSR rajonu, miestu, apylinkiu ir gyvenvieciu Darbo zmoniu deputatu tarybas nuostatai. Patvirtinti Lietuvos TSR Aukseciausiosios Tarybos Prezidiumo 1950 m. spalio 7 d. Isaku su pakeitimais, padarytais Lietuvos TSR Aukseciausiosios Tarybos Prezidiumo 1954 m. gruodzio 20 d., 1956 m. gruodzio 28 d., 1959 m. sausio 22 d. ir 1963 m. sausio 8 d. Isakais. Vilnius, Laikrascių ir zurnalu leidykla, 1963. 29 p. [In Lithuanian]

LITHUANIAN S.S.R. Laws, statutes, etc. [Statute on election to the Supreme Soviet of the Lithuanian S.S.R. Approved by the order of the Presidium of the Supreme Soviet of the Lithuanian S.S.R. on December 12, 1950, with amendments by the Presidium of the Supreme Soviet of the Lithuanian S.S.R. on December 20, 1954, January 22, 1959, December 22, 1962 and January 2, 1963] Rinkimu i Lietuvos TSR Aukseciausiąja Taryba nuostatai. Patvirtinta Lietuvos TSR Aukseciausiosios Tarybos Prezidiumo 1950 m. gruodzio 12 d. Isaku su pakeitimais, padarytais Lietuvos TSR Aukseciausiosios Tarybos Prezidiumo 1954 m. gruodzio 20 d., 1959 m. sausio 22 d., 1962 m. gruodzio 22 d. ir 1963 m. sausio 2 d. Isakais. Vilnius, Laikrascių ir zurnalu leidykla, 1963. 30 p. [In Lithuanian]

MALEIN, N.S. [Rights of disabled dependents] Prava netrudosposobnykh izhdivetsev. Moskva, Gosiurizdat, 1963. 95 p. (Iuridicheskie konsul'tatsii dlia naseleniia v voprosakh i otvetakh)

MISHUTIN, A.N., ed. [Public prosecutor's supervision of the observance of Soviet laws in the trial of criminal cases] Prokurorskii nadzor za zakonnost'iu rassmotreniia v sudakh ugolovnykh del. [By] R.D. Rakhunov i dr. Moskva, Gosiurizdat, 1963. 321 p.

MOLDAVIAN S.S.R. Laws, statutes, etc. [Code of criminal procedure of the Moldavian Soviet Socialist Republic. Adopted at the fifth session of the Fifth Supreme Soviet of Moldavia (March 24, 1961)] Ugolovno-protsessual'nyi kodeks Moldavskoi Sovetskoi Sotsialisticheskoi Respubliki. Prinial piatoi sessiei Verkhovnogo Soveta Moldavskoi SSR piatogo sozyva (24 marta 1961 g.) Kishinov, "Kartia moldovenieske," 1961. 210 p.
(InU)

MOSCOW. EKONOMIKO-STATISTICHESKII INSTITUT. [Methodological manual for study in the course "Soviet law"] Uchebno-metodicheskoe posobie k izucheniiu kursa "Sovetskoe pravo." [n.p.] 1962. 71 p.
[MICROFILM]

MOZOLIN, V.P. [Ownership rights on the property of intercollective farm enterprises and organizations] Pravo sobstvennosti na imushchestvo mezhkolkhoznykh predpriiatii i organizatsii. [Moskva] Izd-vo Mosk. univ. 1963. 75 p.

MYKHEIENKO, M.M. [Lay prosecutors and lay defenders in Soviet criminal procedure] Hromada'ke obvynuvachennia i hromads'kyi zakhyst u radians'komu kryminal'nomu sudochynstvi. Kyiv, Vyd-vo AN URSR, 1963. 74 p.

NAUCHNAIA SESSIIA IURIDICHESKOI SEKTSII DAL'NEVOSTOCHNOGO SOVETA PO KOORDINATSII I PLANIROVANIIU NAUCHNO-ISSLEDOVATEL'SKIKH RABOT PO GUMANITARNYM NAUKAM. 1st, 1962. [Present-day problems of the state and law] Problemy gosudarstva i prava na sovremennom etape. Trudy. Vladivostok, Dal'nevostochnyi gos. univ., 1963. 90 p.
[MICROFILM]

[PROBLEMS OF EXPERT EVIDENCE] [illegible] 1960. [illegible] L [illegible]

[MICROFILM]

RUSSIA (1923- U.S.S.R.) [illegible] [Program for [illegible] schools] [illegible] 1962 17 p

[illegible], I. M. [Laws of streets and roads] Zakony [illegible] Izd 2 [illegible] Moskva, Izd-vo DOSAAF, 1963 53 p

[illegible], S. A. [Socialist property is inviolable, [illegible] socialist property [illegible] embezzlement and abuse [illegible] sotsialisti- [illegible] rastraty [illegible] Izd-vo Akad nauk [illegible] SSR 1963 133 p

[illegible], A. I. [Trial examination in Soviet criminal procedure] [illegible] sovetskom ugo- [illegible] (Stat'i) [illegible] 1962 72 p
(C-[illegible])

URZHINSKII, N. P. [Procedure in the establishment of [illegible] for workers and persons learning [illegible] trial practice (study) in enterprises] Poriadok [illegible] razriadov rabochim i litsam, [illegible] proizvodstvennuiu praktiku (obuche- [illegible]) na predpriiatiiakh Moskva, Gosiurizdat, 1962 53 p (Juridicheskie konsul'tatsii dlia naseleniia [illegible])

[illegible], V. I., and M. V. BAGLAI [Legal regulation of labor in capitalist countries] Pravovoe regulirovanie truda [illegible] kapitalisticheskikh stranakh Moskva, Gosiurizdat 1963 212 p

VSESOIUZNAIA TORGOVAIA PALATA. Patentnyi otdel. Spravochnik o poriadke patentovaniia inostrannykh izobretenii i registratsii inostrannykh tovarnykh znakov v SSSR. General information on the procedure of patenting foreign inventions and of registering foreign trade marks in the USSR. Moskva, 1956. 8 p. [Text in Russian and English]

VSESOIUZNYI ZAOCHNYI STROITEL'NYI TEKHNIKUM [Basic principles of Soviet law and labor legislation] Osnovy Sovetskogo prava i trudovogo zakonodatel'stva, k predmetu "Osnovy Sovetskogo prava i trudovogo zakonodatel'stva." Moskva, 1963 82 p
[MICROFILM]

8. EDUCATION

AKADEMIIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. [Improving the vocational qualifications of evening (staggered) school students] Povyshenie profes-sional'noi kvalifikatsii uchashchikhsia vechernikh (smennykh) shkol Pod red O F Fedorovoi Moskva, 1962 134 p (Pedagogicheskie chteniia)

AKADEMIIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. Institut fizicheskogo vospitaniia i shkol'noi gigieny. [Track and field sports, a program for sports sections of the physical culture collectives of eight-year and secondary schools] Legkaia atletika, programma dlia sportivnykh sektsii kollektivov fiziche-skoi kul'tury vos'miletnikh i srednikh shkol Moskva, Izd-vo "Fizkul'tura i sport," 1963 57 p

AKADEMIIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. Institut obshchego i politekhnicheskogo obrazovaniia. [Teaching history in senior grades] Opyt prepodavaniia istorii v starshikh klassakh Pod red R. E. Kantora i S S. Kovalenko Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963 156 p. (Pedagogicheskie chteniia)

BARANOV, S P. [Sensory experience of the child during elementary education] Chuvstvennyi opyt rebenka v nachal'nom obuchenii. Pod red. L F. Bladkovskogo. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 122 p.

BERNSHTEIN, M. S. [Decline of pragmatic pedagogics] Zakat pragmaticheskoi pedagogiki. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauke, tekhnike, XI Seriia: Pedagogika, no. 17)

BURIAT A. S. S. R. Ministerstvo prosveshcheniia. [Public education in the Buryat A. S. S. R.] Narodnoe obrazovanie v Buriatskoi ASSR. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1960. 231 p.
[MICROFILM]

[CLASSIC AND FREE STYLE WRESTLING, contest rules] Klassicheskaia i vol'naia bor'ba, pravila sorevnovanii. 2. izd Moskva, Izd-vo "Fizkul'tura i sport," 1963. 71 p

DAVYDOVA, M P. [Teacher's notebook] Zapiski uchitel'-nitsy. 3 , ispr i dop izd. Moskva, Izd-vo Akad. pedagog nauk RSFSR, 1962. 78 p (Pedagogicheskie chteniia)
(NIC)

[EDUCATION IN THE PROCESS OF TEACHING] Vospitanie v protsesse obucheniia; sbornik statei. Moskva, Gos uchebno-pedagog. izd-vo, 1962. 243 p (NIC)

ELKINA, A I , V V IVANOVA, and E G KLIMOVA. [Collection of dictations for primary grades, a teacher's aid] Sbornik diktantov dlia nachal'nykh klassov, posobie dlia uchitelia Moskva, Uchpedgiz, 1963. 191 p

FIRSOV, Z P [Like a fish in water] Kak ryba v vode. 5 , perer. izd. Moskva, "Fizkul'tura i sport," 1963. 78 p (Sport detiam)

GUSAK, SH. Z. [Working out with dumbbells and elastic exercisers] Uprazhneniia s ganteliami i reznovym amortizatorom. Moskva, Voenizdat, 1963. 92 p.

IVANOV, V S , and V V KOLLEGORSKII. [Table tennis] Tennis na stole. Izd 2 , ispr i dop Moskva, Izd-vo "Fizkul'tura i sport," 1963. 147 p

KAGAN, V. M , and M P. MARTYNOV. [Vocational instruction in a school and its connection with general subjects] Proizvodstvennoe obuchenie v shkole i ego sviaz' s obshcheobrazovatel'nymi predmetami, iz opyta raboty shkoly No 167 Moskvy Moskva, Uchpedgiz, 1963, 47 p.

KAIROV, I. A. [A word about Makarenko, on the 75th anniversary of his birth] Slovo o Makarenko, k semidesiatipiatiletiiu so dnia rozhdeniia, Moskva, Izd-vo Akad pedagog. nauk RSFSR, 1963, 23 p.

KULESHOV, A [Reactionary nature of bourgeois sports, a lecture] O reaktsionnoi sushchnosti burzhuaznogo sporta, lektsiia Moskva, Izd-vo "Fizkul'tura i sport," 1963 34 p. (Bibliotechka propagandista fizicheskoi kul'tury i sporta)

[LABOR EDUCATION OF THE RISING GENERATION] Trudovoe vospitanie podrastaiushchego pokoleniia; [sbornik] Moskva, Izd-vo Sovetskaia Rossiia, 1963 197 p (Bibliotechka "V pomoshch' sel'skomu klubnomu rabotniku, no. 8)

LATVIAN S S.R. Izglitibas ministrija. [Rules for admission to the institutions of higher education of the U. S. S. R. in 1963 and institutions of higher education of the Latvian S S. R.] Uzņemšanas noteikumi PSRS augstakajas macibu iestades 1963. gadam un Latvijas PSR Augstakas macibu iestades. Riga, Latvijas valsts izdevnieciba, 1963. 46 p. [In Latvian]

LEICHENKOV, T D [School discipline and teachers' exactingness] Distsiplina v shkole i trebovatel'nost' uchitelia Moskva, Uchpedgiz, 1963. 82 p.

LENIN, V.I. [Education and training] O vospitanii i obrazovanii. Moskva, Gos uchebno-pedagog. izd-vo, 1963 675 p.
(NIC)

LERNER, I. IA. [Contents and methods of teaching history in the grades five and six of evening (staggered) schools] Soderzhanie i metody obucheniia istorii v V-VI klassakh vechernei (smennoi) shkoly. Moskva, Izd-vo APN RSFSR, 1963. 391 p. (Pedagogicheskaia biblioteka uchitelia)

[SOCCER TODAY AND TOMORROW] Futbol segodnia i zavtra, sbornik statei. Moskva, Izd-vo "Fizkul'tura i sport " Moskva, 1963. 188 p.

SOIUZ SPORTIVNYKH OBSHCHESTV I ORGANIZATSII SSSR. TSentral'nyi Sovet. Tennis. Moskva, Izd-vo "Fizkul'tura i sport," 1963 94 p.

STEPANOV, T.I., and E. A. FLEROVSKII. [You can become strong, working out with dumbbells, weights and exercisers] Ty mozhesh' stat' sil'nym, uprazhneniia s ganteliami, giriami i reznoi Moskva, Izd-vo "Fizkul'tura i sport," 1963. 166 p.

SUETIN, A. S. [Basic theory of the opening in chess] Osnovy teorii shakhmatnogo debiuta. Minsk, Gos. izd-vo BSSR, 1962 238 p.

TRIFONOV, S. I. [On work le[illegible] 1-4] Na urokakh truda v [illegible] pedgiz, 1963 86 p.

UKRAINE. Ministerstvo vysshego i [illegible] nogo obrazovaniia. [Technic[illegible] tutions of higher learning] [illegible] vuzy, sbornik statei. Khar'kov, [illegible] gos. univ. im. A. M. Gor'kogo, [illegible]

9. MUSIC, THEATER & MOTION P[illegible]

AKADEMIIA NAUK ARMIANSKOI [illegible] Iskusstv [Outline history of A[illegible] Istorii Armianskogo iskusstv[illegible] Armianskoi SSR [In Armenian]
Vol 1 [Outline history of A[illegible] Ocherk istorii armiansk[illegible] 325 p

AKURATERE, L. Anta Klints Ri[illegible] izdevnieciba, 1962 213 p [In L[illegible]]

ALEKSEEV, A. D. [Russian piano mu[illegible] gins to the heights of creativity] R[illegible] naia muzyka, ot istokov do ver[illegible] skva, Izd-vo Akad. nauk SSSR, 196[illegible]

BARABOSHKINA, A. V. [Method for te[illegible] in children's music schools] M[illegible] sol'fedzhio v detskoi muzykal'noi shk[illegible] L N Rasbena Leningrad, Muzgiz, [illegible] pomoshch' pedagogu muzykantu)

GERSHKOVICH, A. A. [Theater of our fr[illegible] nashikh druzei. Moskva, Izd-vo [illegible] 47 p. (Novoe v zhizni, nauke, tekhnike [illegible] Literatura i iskusstvo, no 10)

GOLOVINSKII, G. L. [A. Borodin's "P[illegible] Kniaz' Igor' A. Borodina, 2 izd., [illegible] Moskva, Gos. muzykal'noe izd-vo, 19[illegible] (Putevoditeli po operam)
(MIU)

GUBAREV, I V. [The band, brief sketch] [illegible] orkestr, kratkii ocherk. Moskva, [illegible] tor, 1963 73 p. (V pomoshch' ruk[illegible] zhestvennoi samodeiatel'nosti i pr[illegible] ki v obshcheobrazovatel'nykh shkolakh)

IAKIMOVSKII, A. A. [Rural amateur mu[illegible] from the experience of Lodeynoye Pole [illegible] grad Province] Sel'skaia muzykal'naia s[illegible] nost, iz opyta raboty v Lodeinopol'[illegible] gradskoi oblasti Leningrad, Muzgiz [illegible]

KALITIN, N. I. [The performance and the [illegible] talks about the art of the theater] [illegible] besedy ob iskusstve teatra Moskva, Iz[illegible] 1963. 47 p (Novoe v zhizni, nauke, te[illegible] XI Seriia: Pedagogika, no. 14)

KALMYKOV, N. [The singer Aleksandr Ve[illegible] artist, poet, and composer] Pevets Al[illegible] Vertinskii, artist, poet i kompozitor. [illegible] 1962?] 9 l.
(NN)

KOLODIAZHNAIA, V. S. [Motion pictures [illegible] States, 1945-1960] Kino Soedinennykh [illegible] 1945 - 1960. Moskva, Vses. gos. [illegible] 1963. 50 p. (Istoriia zarubezhnogo kino)

KRAUKLIS, G. V. [Piano sonatas by Schubert [illegible] Fortepiannye sonaty Shuberta, putevoditel' [illegible] Muzgiz, 1963. 118 p. (Biblioteka [illegible] tov)

KYRYCHENKO, T. O. Ivan Serhiiovych Pat[illegible] Kyiv, Derzh. vyd-vo obrazotvorchoho [illegible] muzychnoi lit-ry URSR, 1956. 14 p.
(IU)

MIASNIKOV, G. A. [The motion-picture artist] [illegible] nik kinofil'ma. [Moskva] Izd-vo "Iskusstvo," [illegible] 98 p. illus.

MIKHAILOVA, A. A. Ivan Vasil'evich Sevast'[illegible] Leningrad, Khudozhnik RSFSR, 1962. 35 p. [illegible] nye khudozhniki RSFSR)
(MH)

POPOVA, T. V. [The symphonic poem] Simf[illegible] poema, Izd. 3., perer. Moskva, Muzgiz, 19[illegible] (Muzykal'nye formy i zhanry)

RAFALOVICH, O.V [Transposition in a piano class] Transponirovanie v klasse fortepiano. Pod red. L.N. Raabena Leningrad, Muzgiz, 1963. 35 p (V pomoshch' pedagogu muzykantu)

REMEZ, O.IA. [The artist studies, rehearses and acts] Artist uchitsia, repetiruet, igraet. Moskva, Izd-vo "Sovetskaia Rossiia," 1963 198 p. (Bibliotechka "V pomoshch khudozhestvennoi samodeiatel'nosti, no.19)

ROZENSHIL'D, K.K. [The young Debussy and his contemporaries] Molodoi Debiussi i ego sovremenniki Moskva, Muzgiz, 1963 143 p.

RUBANOVA, I.I. [Motion-picture art of the socialist countries] Kinoiskusstvo stran sotsializma. Moskva, Izd-vo "Znanie," 1963 47 p. (Narodnyi universitet kul'tury Fakul'tet literatury i iskusstva, no.10)

SLAVSKII, R E [Art of the pantomime] Iskusstvo pantomimy Moskva, Iskusstvo, 1962. 132 p. (Repertuar khudozhestvennoi samodeiatel'nosti, no.30) (MH)

TIKHOMIROV, G.V [Melody and accompaniment] Melodiia i akkompanement Moskva, Sovetskii kompozitor, 1963 28 p (Besedy s samodeiatel'nymi kompozitorami, no.1)

TONSON, H Adolf Vedro Tallinn, Eesti Riiklik Kirjastus, 1963 149 p [In Estonian]

TRUTKO, I.I. [Motion pictures of England, 1929-1939] Kino Anglii (1929-1939). Moskva, Vses. gos. in-t kinematografii, 1962. 33 p. (Istoriia zarubezhnogo kino)

10. FINE ARTS

AKADEMIIA NAUK SSSR. Institut arkheologii. [Pottery and glass of ancient Tmutarakan'] Keramika i steklo drevnei Tmutarakani Moskva, Izd-vo Akad nauk SSSR, 1963. 184 p.

AKADEMIIA NAUK UZBEKSKOI SSR. Tashkent. Institut iskusstvoznaniia. [Art of the architects of Uzbekistan] Iskusstvo zodchikh Uzbekistana. Tashkent, Izd-vo Akad nauk Uzbekskoi SSR, 1962. 276 p. (MiU)

BEREZINA, V.N. [Works of Albert Edelfelt in the State Hermitage and other museums of the U.S.S.R.] Al'bert Edel'fel't i ego proizvedeniia v Gosudarstvennom Ermitazhe i drugikh muzeiakh SSSR. Leningrad, Izd-vo Gos. Ermitazha, 1963. 18 p. illus. [With summary in French]

CHERVONNAIA, S.M. [Soviet monumental art] Sovetskoe monumental'noe iskusstvo. Moskva, Sovetskii khudozhnik, 1962. 71 p. illus. (Besedy ob iskusstve, no.8) (MiU)

DEMINA, N A. [Andrei Rublev's "Trinity"] "Troitsa" Andreia Rubleva. Moskva, Gos. Izd-vo "Iskusstvo," 1963 96 p illus.

DEMOSFENOVA, G.L., A.IU. NUROK, and N.I. SHANTYKO. [Soviet political posters] Sovetskii politicheskii plakat. Pod obshchei red. F. Kaloshina Moskva, Izd-vo "Iskusstvo," 1962 441 p., illus

[DRAWINGS TO THE WORKS OF DEM'IAN BEDNYI] Risunki k proizvedeniiam Dem'iana Bednogo Moskva, Sovetskii khudozhnik, 1963. 1 v. (chiefly illus.)

GLINKA, V.M., and A.V. POMARNATSKII. [War Gallery in the Winter Palace, on the anniversary of the Patriotic War of 1812] Voennaia galereia Zimnego dvortsa; k iubileiu Otechestvennoi voiny 1812 goda Leningrad, Izd-vo Gos. Ermitazha, 1963. 183 p. illus.

GORINA, T.N. Vladimir Egorovich Makovskii. Moskva, Gos. Izd-vo izobraz. iskus., 1961. [12] p. 69 plates. (WaU)

GRANOVSKII, B.B., and I.N. GRANOVSKII. [Russian songs in the life of Repin] Russkaia pesnia v zhizni Repina; novye materialy. Moskva, Sovetskii kompozitor, 1962. 31 p. (MiU)

GRASHCHENKOV, V.N. [Drawings of Italian Renaissance masters; studies on the history, theory and practice] Risunok masterov ital'ianskogo Vozrozhdeniia; ocherki istorii, teorii i praktiki. Moskva, Izd-vo "Iskusstvo," 1963. 205 p illus.

IAKOVLEV, V.N. [My mission] Moe prizvanie. Moskva, Izd-vo Akad. khudozh. SSSR, 1963 191 p.

KASIAN, V.I. [Vasyl' Illich Kasiian, album of reproductions] Vasyl' Illich Kasiian; [al'bom reproduktsii] Kyiv, Derzh vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1962. 11 p illus [In Ukrainian and Russian]

KOLPINSKII, IU.D [Sculpture of ancient Hellas] Skul'ptura Drevnei Ellady. Moskva, Izd-vo Akad. khudozhestv SSSR, 1963 22 p., illus.

KROL', A.E. [George Morland and his paintings in the Hermitage] Dzhorzh Morland i ego kartiny v Ermitazhe. Leningrad, Izd-vo Gos. Ermitazha, 1963. 17 p. illus

LAPCHINSKII, G.I. [Life-asserting work, an account of the work of R.S. Pergament, People's Artist of Karelia] Zhizneutverzhdaiushchee tvorchestvo, ocherk o tvorchestve narodnogo artista KASSR R.S. Pergamenta. Petrozavodsk, Gos. Izd-vo Karel'skoi ASSR, 1961. 50 p. illus. (MH)

LENINGRAD. ERMITAZH. [Art of Bulgaria from ancient times to the present; an exhibition catalog] Iskusstvo Bolgarii, s drevneishikh vremen do nashikh dnei, katalog vystavki. Leningrad, 1963. 37 p. illus.

LEVITAN, I.I. [Sketches and aquarelles] Levitan, risunok, akvarel'. Tekst A.A. Fedorova-Davydova. Moskva, Izd-vo Akad. khudozhestv SSSR, 1963. 23 p. illus.

LIUBIMOV, L.D. [Great paintings of the Netherlands; a sketch] Velikaia zhivopis' Niderlandov, ocherk. Moskva, Izdgiz, 1963 158 p. illus. (V mire prekrasnogo)

LVOV. DERZHAVNYI MUZEI UKRAINS'KOHO MYSTETSTVA. [The Lvov State Museum of Ukrainian Art, an album] L'vivs'kyi derzhavnyi muzei ukrains'koho mystetstva, [al'bom. Avtor peredmovy ta uporiadnyk IA.I. Nanovs'kyi. n.p.] Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR [1962] 105 p. [Text in Ukrainian, Russian, and English]

LVOV. UKRAINS'KYI DERZHAVNYI MUZEI ETNOGRAFII TA KHUDOZHN'OHO PROMYSLU. [Traditional Ukrainian embroidery; Lvov Province] Ukrains'ki narodni vyshyvky; L'vivs'ka oblast'. Kyiv, Vyd-vo Akad. nauk URSR, 1961 31 p. 40 plates. (CaOTU)

NANOVS'KYI, IA.I. Kornyto Mykolaiovych Ustylianovych. Kyiv, Mystetstvo, 1963. 43 p. illus.

NEMIROVSKAIA, M.A. [Theme of our times in Soviet genre painting] Tema sovremennosti v sovetskoi zhanrovoi kartine. Moskva, Izd-vo Akad khudozh. SSSR, 1963. 53 p. (Biblioteka po izobraziteľnomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodeiatel'nosti i shkol'nykh bibliotek)

NIKULINA, N.I., and A.V. POMARNATSKII. [Exhibition of Russian culture from the first quarter of the 19th century] Vystavka po istorii russkoi kul'tury pervoi chetverti XIX veka. Leningrad, Izd-vo Gos. Ermitazha, 1959. 31 p.

OGOLEVETS, V.S. [Work on landscape etudes] O rabote nad etiudami peizazha. [Moskva] Profizdat, 1963. 61 p., illus. (V pomoshch' samodeiatel'nomu khudozhniku)

OSTROVS'KYI, H.S. Anton Mykhailovych Kashshai. Moskva, Sovetskii khudozhnik, 1962. 78 p. illus. (MiU)

PIMENOV, S.S. [An album of the works of Stepan Stepanovich Pimenov] Stepan Stepanovich Pimenov; [al'bom.] Moskva, Gos. Izd-vo izobraz. iskus. 1961. 1 v. (chiefly illus.) (Mastera russkogo iskusstva) (MiU)

POMARNATSKII, A.V. [Portraits of A.V Suvorov; iconographic essays] Portrety A.V. Suvorova; ocherki ikonografii. Leningrad, Izd-vo Gos. Ermitazha, 1963. 177 p. illus.

POMARNATSKII, A.V. [War of 1812 Gallery] Voennaia galereia 1812 goda. Leningrad, Izd-vo Gos. Ermitazha, 1959. 29 p., illus.

SOIUZ KHUDOZHNIKOV SSSR. [Greeting the Second All-Union Congress of Artists; materials on the work of the administrative board of the Union of Artists of the U.S.S.R.] Vtoromu Vsesoiuznomu s"ezdu khudozhnikov; materialy o rabote pravleniia Soiuza khudozhnikov SSSR. Moskva, [1963] 179 p.

SUKHOTIN, IA.L. [The Taurida Palace] Tavricheskii dvorets. [Leningrad] Lenizdat, 1963. 71 p.

SUZDALEV, P.K [Soviet art during the Great Patriotic War and in the initial postwar years] Sovetskoe iskusstvo v period Velikoi Otechestvennoi voiny i pervye poslevoennye gody. Moskva, Izd-vo Akad. nauk SSSR, 1963. 83 p. illus.

[TRADITIONAL UKRAINIAN EMBROIDERY] Ukrains'ki narodni vyshyvky. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1961 18 plates (in portfolio) (IEN)

VAGNER, G.K [Ryazan artists and architects of long ago] Stariye khudozhniki i arkhitektory Riazani [Riazan'] Riazanskoe knizhnoe izd-vo, 1960. 68 p. illus. [MICROFILM]

VARSHAVSKII, L.R. [History of the graphic arts of the peoples of the U.S.S.R.; a brief lecture course] Istoriia graficheskikh iskusstv narodov SSSR, kratkii kurs lektsii. Moskva, Mosk. zaochnyi poligr. in-t, 1960. 321 p. illus. [MICROFILM]

VLADYCH, L.V. ["Picturesque Ukraine" by Taras Shevchenko] "Zhivopysna Ukraina" Tarasa Shevchenka. Kyiv, Mystetstvo, 1963. 124 p.

VORONIN, I.D., V.P. OSTROUMOV, and I.M. CHFILMAKIN. [Saransk, the capital of the Mordvinian A.S.S.R., an historical and architectural essay] Saransk — stolitsa Mordovskoi ASSR, istoriko-arkhitekturnyi ocherk. Saransk, Morodovskoe knizhnoe izd-vo, 1960. 36 p. illus. [MICROFILM]

[WAR ARTISTS FROM THE M.B. GREKOV STUDIO AT THE FRONT OF THE GREAT PATRIOTIC WAR, reminiscences, diaries, documents, letters] Voennye khudozhniki studii imeni M.B. Grekova na frontakh Velikoi Otechestvennoi voiny; vospominaniia, dnevniki, dokumenty, pis'ma. Leningrad, Khudozhnik RSFSR, 1962. 367 p. illus.

ZARETSKAIA, Z.V., and N.K. KOSAREVA. [French sculpture from the 17th to the 20th century] Frantsuzskaia skul'ptura XVII-XX vekov. Leningrad, Izd-vo Gos. Ermitazha, 1963. 103 p. [Text in Russian and French]

11. LANGUAGE, LITERATURE & FOLKLORE

ABRAMOVA, G.I., and others. [Grammatical guide for the development of oral speech habits; the English language] Grammaticheskoe rukovodstvo dlia razvitiia navykov ustnoi rechi; angliiskii iazyk. Moskva, Izd-vo Akad. nauk SSSR, 1963. 86 p.

ABRAMOVICH, A.V., and E.A. LAZAREVICH. [Practical work on literary editing] Praktikum po literaturnomu redaktirovaniiu. [Moskva] Izd-vo Mosk. univ. 1963. 398 p.

AHUND-ZÂDE, FETH ALI. [Adventure of a miser. Translated from the Azerbaijani] Prikliucheniie skriagi. [By] M.F. Akhundov. Baku, Detizdzdat, 1962. 76 p. (MH)

AKADEMIIA NAUK SSSR. Institut iazykoznaniia. [Morphologic word structure in various language families] Morfologicheskaia struktura slova v iazykakh razlichnykh tipov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 289 p.

AKADEMIIA NAUK SSSR. Institut mirovoi literatury. [Literature and the new man] Literatura i novyi chelovek. Moskva, Izd-vo Akad. nauk 1963. 429 p.

AKADEMIIA NAUK SSSR. Institut narodov Azii. [By the roadside, stories of contemporary Malay writers. Translated from the Malay] U obochiny shossa, rasskazy sovremennykh malaiskikh pisatelei. Moskva, Izd-vo vostochnoi lit-ry, 1963. 78 p.

AKADEMIIA NAUK SSSR. Institut narodov Azii. [The legend of Liongo Fumo; folk tales of the peoples of Africa] Skazanie o Liongo Fumo; skazki narodov Afriki. Moskva, Izd-vo vostochnoi lit-ry, 1962. 304 p. (MH)

AKADEMIIA NAUK SSSR. Institut narodov Azii. [Literature of the non-Soviet East; a bibliography of translations into the languages of the peoples of the U.S.S.R., 1918-1960] Khudozhestvennaia literatura Zarubezhnogo Vostoka, bibliografiia perevodov na iazyki narodov SSSR (1918 - 1960). Moskva, Izd-vo vostochnoi lit-ry, 1963. 129 p.

719 - 838 O - 64 - 2

AKADEMIIA NAUK SSSR. Institut narodov Azii. [Tirukural : a book about virtue, politics, and love. Translated from the Tamil] Tirukural : kniga o dobrodeteli, o politike i o liubvi. Moskva, Izd-vo vostochnoi lit-ry, 1963. 155 p.

AKADEMIIA NAUK SSSR. Institut russkoi literatury. [History of Russian-Slavic literary ties in the 19th century] Iz istorii russko-slavianskikh literaturnykh sviazei XIX v. Moskva, Izd-vo Akad. nauk SSSR, 1963. 374 p.

AKADEMIIA NAUK SSSR. Institut slavianovedeniia. [Studies on structural typology] Issledovaniia po strukturnoi tipologii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 273 p.

AKADEMIIA NAUK SSSR. Kafedra inostrannykh iazykov. Leningradskoe otdelenie. [Exercises on impersonal forms of the English verb for conversation groups] Sbornik uprazhnenii po neliichnym formam angliiskogo glagola dlia grupp ustnoi praktiki. Sost. E. A. Zvereva, I. F. Likhacheva, N. S. Shchukareva. Moskva, Izd-vo Akad. nauk SSSR, 1962. 129 p.

AKADEMIIA NAUK URSR. Kiev. Biblioteka. [T. H. Shevchenko, a bibliography of the literature about his life and works, 1839-1959] T. H. Shevchenko, bibliografiia literatury pro zhyttia i tvorchist', 1839-1959. Sklaly I. Z. Bolko ta inshi. Kyiv, Vyd-vo Akad. nauk URSR.
Vol. 1. 1833-1916. 1963. 421 p.
Vol. 2. 1917-1959. 1963. 601 p.

AKADEMIIA NAUK URSR. Kiev. Instytut literatury. [Fables in Ukrainian literature of the 17th and 18th centuries; landmarks of old Ukrainian literature] Bajky v ukrains'kii literaturi XVII-XVIII st.; pam'iatky davn'oi ukrains'koi literatury. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 198 p.

AKADEMIIA NAUK URSR. Kiev. Instytut movoznavstva. [Ukrainian-Russian dictionary] Ukrainsko-russkii slovar'. Glav. red. I. N. Kirichenko. Chleny red. kollegii: S. I. Gulovashchuk i dr. Kiev, Izd-vo Akad. nauk URSR.
Vol. 6. T — IA. Red. toma T. V. Zaitseva, S. F. Levchenko. 1963. 618 p.

AKADEMIIA NAUK URSR. Kiev. Instytut mystetstvoznavstva, fol'kloru i etnografii. [Folklore ties among the Slavic peoples] Mizhslovians'ki fol'klorystychni vziaiemyny. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 206 p.

AKADEMIIA NAUK BSSR. Minsk. Instytut movaznaustva. [Grammar of the White Russian language] Gramatyka Belaruskai movy. Minsk, Vyd-va Akad. navuk BSSR.
Vol. 1. [Morphology] Marfalogiia. [By] M. H. Bulakhavyi i inshyia. 1962. 537 p.

AKADEMIIA PEDAGOGICHESKIKH NAUK RSFSR. Moscow. Institut obshchego i politekhnicheskogo obrazovaniia. [Developing the spoken and the written language in Russian language lessons] Razvitie ustnoi i pis'mennoi rechi na urokakh russkogo iazyka. Pod red. G. P. Firsova. Moskva, Izd-vo APN RSFSR, 1962. 78 p. (Pedagogicheskie chteniia.)
(CaOTU)

AKULA, KANSTANTYN. [Combat trails] Zmahariyia darohi, apoves'ts'. Toronto, 1962. 583 p.
(NN)

ALEKSANDROV, ROMAN. [Black sable] Chernyi sobol'. Moskva, Gosturizdat, 1962. 47 p.

ALEKSEEV, M. N. [Springs gush forth] B'iut rodniki. Moskva, Sovetskaia Rossiia, 1963. 195 p. (Literaturnaia Rossiia)
(NN)

ANAN'EV, A. A. [Tanks travel in a rhomboid; a novel] Tanki idut rombom, roman. Moskva, Goslitizdat, 1963. 79 p. (Roman-gazeta, no. 17(293))

[ANDRII MALYSHKO; articles, impressions, verse, and comments] Pro Andriia Malyshka, statti, vrazhennia, virshi, vidhuky. Kyiv, Radians'kyi pys'mennykh, 1962. 270 p.
(CaOTU)

ANERAUDS, JANIS. [Sands, sun, and heart] Smiltis, saule, sirds, varojumi un pardomas vidusazija. Riga, Latvijas valsts izd-ba, 1962. 174 p. [In Latvian]
(MH)

ARSEN'EV, I. A. [Inclement air, a tale. Tale of a destiny, a novel] Surovyi vozdukh, povesti'. Povest' odnoi sud'by, roman. [Kuibyshev, Kuibyshevskoe knizhnoe izd-vo, 1962] 564 p.
(MH)

ASADOV, E. A. [In the name of a great love] Vo imia bol'shoi liubvi. [Moskva] Molodaia gvardiia, 1962. 254 p.
(NN)

BAKHTIN, M. M. [Problems in the poetics of Dostoevskii] Problemy poetiki Dostoevskogo. Izd. 2., perer. i dop. Moskva, Sovetskii pisatel', 1963. 361 p.

BAKLANOV, G. IA. [What is the cost of a pound of evil, stories] Pochem funt likha, rasskazy. Moskva, Sovetskaia Rossiia, 1962. 25 p. (Korotkie povesti i rasskazy)
(MH)

BALKEVICIUS, JONAS. [Syntax of the contemporary Lithuanian language] Dabartines lietuviu kalbos sintakse. Vilnius, Valstybine politines ir mokslines literatoros leidykla, 1963. 479 p. [In Lithuanian]

BARANTSEV, K. T. [English lexicology in practice] Vpravy z anglis'koi leksikologii, posibnyk dlia fakul'tetiv i viddiliv inozemnykh mov universitetiv ta pedagogichnykh instytutiv. Vyd 2., perer. Kyiv, Radians'ka shkola, 1964. 191 p.

BASS, I. I. [V. G. Belinskii and Ukrainian literature of the 1830's and 1840's] V. H. Belins'kyi i ukrains'ka literatura 30 — 40-kh rokiv XIX st. Kyiv, Derzhlitvydav URSR, 1963. 173 p.

BAZHAN, M. P. [People, books, and dates, articles about literature] Liudy, knihy, daty, statti pro literaturu. Kyiv, Radians'kyi pys'mennyk, 1962. 236 p.
(CaOTU)

BERESTOV, V. D. [Wild pigeon; verse] Dikii golub', Moskva, Sovetskii pisatel', 1962. 71 p.
(MH)

BERIDZE, V. M. [Studies on Rustaveli] Rustvelologicheskie etiudy. Tbilisi, Akad. nauk Gruzinskoi SSR, 1961. 318 p.
(MH)

BONK, N. A., N. A. LUK'IANOVA, and L. G. PAMUKHINA. [Textbook of the English language] Uchebnik angliiskogo iazyka. Moskva, Vneshtorgizdat.
Pt. 2. 1963. 603 p.

BORISKOV, P. S. [Among blue lakes; pages from a diary] Sredi golubykh ozer; stranitsy dnevnika. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1962. 107 p.
(NIC)

BORKOVSKII, V. I., and P. S. KUZNETSOV. [Historical grammar of the Russian language] Istoricheskaia grammatika russkogo iazyka. Moskva, Izd-vo Akad. nauk SSSR, 1963. 511 p.

BOROVIKOV, G. F. [Bright night, stories] Svetlaia noch', rasskazy. [Saratov] Saratovskoe knizhnoe izd-vo, 1962. 91 p.
(MH)

BRUSHTEIN, A. IA. [Evening lights] Vechernie ogni. Moskva, Sovetskii pisatel', 1963. 365 p.
(MH)

BUSHKO, O. M. [First need; a report in verse] Pervaia potrebnost', stikhotvornye reportazhi. [Smolensk] Smolenskoe knizhnoe izd-vo, 1962. 30 p. (Nashi putevodnye Maiaki)
(MH)

BYSTROZOROV, I. S. [Along the steep banks; a novel] Vdol' krutykh beregov; roman. Kyiv, Molod', 1962. 190 p.
(MH)

BZHEZOVSKII, V. V. [Tale of the first stars] Povest' o pervykh zvezdakh. Moskva, Sovetskii pisatel', 1962. 270 p.
(InU)

CHAVDAROV, S. K. [The Ukrainian language; a textbook for the first grade in elementary schools] Ukraïns'ka mova. Pidruchnyk dlia pershoho klasu pochatkovoi shkoly. Zatverdzheno Ministerstvom osvity URSR. Vyd. 19. Kyiv, Derzh. uchbovo-pedagog. vyd-vo "Radians'ka shkola," 1958. 83 p.
(NJP)

CHEREPANOV, S. I. [Scarlet rainbow; a tale and stories] Alaia raduga; [povest' i rasskazy. Chelia-binsk, Cheliabinskoe knizhnoe izd-vo, 1962] 224 p.
(MH)

CHERIN', HANNA. [The land of Chernozem] Chernozem. [n.p.] 1962. 231 p.

CHERNOV, M. F. [Detached parts of the [illegible] modern Chuvash] Obosoblennye chleny predl[illegible] sovremennom chuvashskom iazyke. [By] M. F. Mikhailova. Cheboksary, Chuvashskoe knizh[illegible] vo, 1963. 201 p.

CHERTOVA, N. V. [The road[illegible] in the [illegible] novel] Proleg[illegible] v stepi dorogi, roman. M[illegible] skii pisatel', 1963. 718 p.
(NN)

CHICHERIN, A. V. [The Nerudovskii stage in the [illegible] critical realism] Nerudovskii etap v istorii [illegible] skogo realizma. Kiev, Izd-vo Akad. [illegible] 18 p. (Doklady Sovetskoi delegatsii. V [illegible] nyi s"ezd slavistov) [With summary in Ru[illegible]

CHIRKOV, K. F. [Two suns, verse] Dva solnt[illegible] [Moskva] Moskovskii rabochii, 1962. 60 p.
(MH)

CHUKOVSKAIA, L. K. [In the editor's laborat[illegible] laboratorii redaktora. Izd. 2., ispr. i dop. [illegible] Izd-vo "Iskusstvo," 1963. 350 p.

CHUKOVSKII, N. K. [Selected works] Izbrann[illegible] skva] Moskovskii rabochii, 1963. 557 p.

CHUMAK, ROMAN. [Song of the faithful forest] Pisnia nezradlyvoho lisu, poezii. Kyiv, Ukrains'kyi pys'mennyk, 1963. 177 p.
(CaOTU)

CRICIUS, AUGUSTINAS. [People, stories, [illegible] from the Lithuanian] Liudi, rasskazy. M[illegible] skii pisatel', 1962. 204 p.
(MH)

DANGULOV, S. A. [Lenin conversation with Ameri[illegible] Lenin razgovarivaet s Amerikoi, rasskazy. M[illegible] Molodaia gvardiia, 1963. 285 p.

DAR'IALOV, A. P. [Earth, sky, and sea; verse] [illegible] zemle, nebe, more, stikhi. [Kaliningrad] K[illegible] skoe knizhnoe izd-vo, 1962. 62 p. (Illeg.

DEGTEREVA, T. A. [Establishing standards for a literary language] Stanovlenie norm literatur[illegible] iazyka. Moskva, Izd-vo VPSh i AON pri [illegible] 1963. 183 p.

DEMENT'EV, A. I. [The mine in the taiga, a novel] Prisk v taige, roman. [Cheliabinsk] [illegible] knizhnoe izd-vo, 1962. 252 p.
(NIC)

DIBROVA, HNAT O., pseud. [Movement and [illegible] verse] Rukh i harmoniia; poezii. [Perth Amboy, [illegible] 1963. 64 p.
(MH)

DOBROLIUBOV, N. A. [Verse] Stikhotvoreniia. M[illegible] Sovetskii pisatel', 1962. 272 p. (Biblioteka [illegible] Malaia seriia. Izd. 3.)

DOKUSOV, A. M. [N. V. Gogol's "Evenings on a [illegible] near Dikanka"] Vechera na khutore bliz Dikan'ki" Gogolia; lektsiia. Leningrad, Leningr. [illegible] in-t, 1962. 43 p.
(MH)

DOROSHENKO, V. V. [Manifesto of the "Russian [illegible] thoughts and slogans of "Russalka Dnistrovaia"] [illegible] fest "Rus'koi Trilitsi"; dumky i klychi "Rusalky Dnistrovoi." Philadelphia, "Amerika," 1958. 24 p.
(InU)

DZHAFAROV, D. G. [M. I. Akhundov, an account of [illegible] life and works] M. F. Akhundov, kritiko-biograficheskii ocherk. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 206 p.
(NIC)

DZHIMBINOV, B. O., comp. [The strength of a [illegible] in its wings; Kalmyk stories] Pitiia sil'na kryl'iami; kalmytskie rasskazy. Moskva, Sovetskaia Rossiia, 1963. 96 p.
(MH)

EDLIS, IU. F. [Argonauts, lyrical scenes] Argo[illegible] liricheskie sceny. Moskva, Iskusstvo, 1962. 67 p. (Repertuar khudozhestvennoi samodeiatel'nosti, no. 28)
(MH)

ERALIEV, SUIUMBAI. [Love poem. Translated fr[illegible] the Kirgiiz] Poema o liubvi. [Moskva] Molodaia gvardiia, 1962. 101 p.
(MH)

ESIN, B.I. [Russian journalism in the 1870's and 1880's] Russkaia zhurnalistika 70 - 80-kh godov XIX veka. Pod. red. A.V. Zapadova [Moskva] Izd-vo Mosk. univ. 1963. 189 p.

FEDOROV, N.A. [Greek lyric poetry, a lecture] Grecheskaia lirika, lektsiia [Moskva] Izd-vo Mosk. univ. 1963. 41 p.

FEDOSEEV, G.A. [Death will wait for me (conclusion)] Smert' menia podozhdet (okonchanie). Moskva, Gos-litizdat, 1963 100 p. (Roman-gazeta, no.15(291))

FINK, V.G [Literary memoirs] Literaturnye vospominaniia. Moskva, Sovetskii pisatel', 1963 334 p

FISH, G.S. [On the road to Segezha, a tale] Po doroge v Segezhu; povest'. Moskva, Izd-vo "Znanie," 1963. 46 p. (Biblioteka "Ogonek," no. 36).

FRANKO, IVAN. [Borislav smiles, a tale] Boryslav smiet'sia, povist'. Kyiv, Molod', 1962 232 p. (CaOTU)

GADZHIEVA, N.Z. [Syntax of the complex subordinate sentence in Azerbaijani (from an historical point of view)] Sintaksis slozhnopodchinennogo predlozheniia v azerbaidzhanskom iazyke (v istoricheskom osveshchenii). Moskva, Izd-vo Akad. nauk SSSR, 1963. 218 p.

GAI, E.A. [Weak point, fables and feuilletons] Slabaia struna, basni, fel'etony. Moskva, Sovetskii pisatel', 1962. 47 p (NIC)

GAK, V.G. [Learn to read French newspapers, a concise self-teacher] Uchites' chitat' gazetu na frantsuzskom iazyke; kratkii samouchitel'. Moskva, Izd-vo IMO, 1963. 151 p.

GERASKINA, L.B. [Plays] P'esy. [Moskva, Sovetskii pisatel', 1962] 314 p. (NN)

GIEDRA, VINCAS. [Limpid spring, verse] Skaidrioji versme; eilerasciai. Vilnius, Valstybine grozines literaturos leidykla, 1961. 100 p. [In Lithuanian] (MH)

GIRA, LIUDAS. [Works in five volumes] Rastai. Penki tomai Vilnius, Valstybine grozines literaturos leidykla. [In Lithuanian]
Vol. 4. [General problems of literature. Writers. Books. Foreign literature, writers] Bendrieji literaturos klausimai. Rasytojai. Knygos. Kitu tautu literatura, rasytojai. 1962. 556 p.

GODOY ALCAYAGA, LUCILA. [Lyric poetry. Translated from the Spanish] Lirika. Moskva, Gos. izd-vo khudozh. lit-ry, Moskva, 1963. 206 p. (Published under her pseud. Gabriela Mistral)

GOLENISHCHEV-KUTUZOV, I.N., ed. [Serbian national epic. Translated from the Serbian] Epos serbskogo naroda. Moskva, Izd-vo Akad. nauk SSSR, 1963. 354 p. (Akademiia nauk SSSR. Literaturnye pamiatniki)

GOR'KII, MAKSIM. [Two gods] Dva boga. Moskva, Gospolitizdat, 1963 59 p. (Khudozhestvennaia ateisticheskaia biblioteka)

GOR'KOVSKAIA MEZHVUZOVSKAIA LINGVISTICHESKAIA KONFERENTSIIA, Gorkiy, 1958 [Problems in teaching modern Russian in institutions of higher learning] Voprosy prepodavaniia sovremennogo russkogo iazyka v vuze; materialy. Gor'kii, Gor'kovskii gos. univ. 1960. 200 p. (OU)

GREENE, GRAHAM. [Mr. Lever's last chance; stories. Translated from the English] Poslednii shans mistera Livera; rasskazy. Moskva, Izd-vo "Pravda," 1963. 45 p. (Biblioteka "Ogonek," no. 39)

GRIGULIS, ARVIDS. [Collected works in seven volumes] Kopoti raksti septinos sejumos. Riga, Latvijas valsts izdevnieciba [In Latvian]
Vols. 1-3. 1963.

GRIN, ELMAR. [Wind from the south] Veter s iuga. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1963. 136 p.

GRUSHNIKOV, P.A. [Orthographic dictionary; textbook for elementary school pupils] Orfograficheskii slovarik; posobie dlia uchashchikhsia nachal'noi shkoly. Moskva, Uchpedgiz, 1963. 87 p.

HAIDAI, M.M. [Czechoslovak-Ukrainian ties in contemporary folklore studies, 1918-1960] Chekhoslovats'ko-ukrains'ki vzaiemymy v suchasnii fol'klorystytsi (1918 - 1960). Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 86 p

HAŠEK, JAROSLAV. [A lesson in God's law; stories. Translated from the Czech] Urok zakona bozh'ego; rasskazy. Moskva, Gospolitizdat, 1963. 54 p.

[A HEART SINGS; verse] Serdtse poet; stikhi. Moskva, Voenizdat, 1963. 183 p.

HIKMET, NAZIM. [Moscow summer; verse. Translated from the Turkish] Moskovskoe leto; stikhi. Moskva, Izd-vo "Pravda," 1963. 30 p. (Biblioteka "Ogonek," no. 37)

HNATIUK, M.F. [T.H. Shevchenko's poem "Haidamaks"] Poema T.H. Shevchenka "Haidamaky." Kyiv, Derzhlitvydav Ukrainy, 1963. 171 p.

[HOW TO GET TO HEAVEN; Russian, Ukrainian, and White Russian atheistic tales] Kak popast' v rai, russkie, ukrainskie, belorusskie ateisticheskie skazki. Moskva, Gospolitizdat, 1963. 36 p. (Khudozhestvennaia ateisticheskaia biblioteka)

HUZIUK, PYLYP. [Worshipers; a tale] Bohomol'tsi; povist'. L'viv, Knizhkovo zhurnal'ne vyd-vo, 1963. 113 p.

IANOVSKAIA, L.M. [Why do you write humorously? About I. Il'f and E. Petrov, their lives and their humor] Pochemu vy pishete smeshno? Ob I. Il'fe i E. Petrove, ikh zhizni i ikh iumore. Moskva, Izd-vo Akad. nauk SSSR, 1963. 180 p (Akademiia nauk SSSR. Nauchno-populiarnaia serlia)

IVANOV, GENNADII. [Vertical line, verse] Vertikal'; stikhi. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. lit-ry, 1963. 70 p.
(NIC)

IVANOV, V.M. [Spring; tales] Vesna; [povesti. Ioshkar-Ola, Marilskoe knizhnoe izd-vo, 1962] 162 p. (MH)

KAHAS, LALL, pseud. [Two measures; a play. Translated from the Estonian] Dve mery, p"esa. Moskva, Iskusstvo, 1962. 15 p. (Repertuar khudozhestvennoi samodeiatel'nosti, no.13)
(MH)

KALDUPE, SKAIDRITE. [Weaver of the light] Gaismas audeja. Riga, Latvijas valsts izdevnieciba, 1963. 92 p. [In Latvian]

KALITIN, N.I. [The art of being a reader] Iskusstvo byt' chitatelem. [Moskva] Molodaia gvardiia, 1962. 157 p.
(NIC)

KAPLAN, M.S. [Stylistic use of antonyms in Romain Rolland's novel "L'Ame enchantée"] Stilisticheskoe upotreblenie antonimov v romane Romena Rollana 'Ocharovannaia dusha.' [Kazan'] Izd-vo Kazanskogo univ., 1960. 54 p.
(MH)

KARNAUKH, G.P. [Along the path of the newspaper "Pravda"] Po puti gazety "Pravda." [L'vov] Izd-vo L'vovskogo univ., 1963 166 p.
(NIC)

KASSIL', L.A. [Street of the younger son, a tale. Aleksei Musatov, a tale. Galaxies; a tale] Ulitsa mladshego syna; povest'. Aleksei Musatov, povest'. Stozhary, povest'. Moskva, [Gos. izd-vo detskoi lit-ry, 1962] 678 p. (Biblioteka pionera, izbrannye povesti i rasskazy, no 3)
(NIC)

KHODZHER, G.G. [Lake Emoron; a tale] Emoron-ozero; povest'. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1961. 246 p. illus.
(MH)

KHORUNZHYI, A.M. [First trace] Pershyi slid. L'viv, Knyzhkovo-zhurnal'ne vyd-vo, 1963. 79 p. (Bibliotechka opovidan' "Na dobryi vechir")

KHROMETS, N.G., and A.P. VEISMAN. [Textbook of the Russian language for non-Russians] Uchebnik russkogo iazyka dlia nerusskikh. Izd. 2., peror. i sokrashchennoe. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 447 p.

KHUSAINOV, GAISA. [The work of Saifi Kudash] Tvorchestvo Saifi Kudasha; monografiia. Ufa, Akademiia nauk SSSR, Bashkirskii filial, 1960. 227 p. [In Bashkir]
(MH)

KHVOSHCHINSKAIA, N.D [Tales and stories] Povesti i rasskazy. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 510 p. [Publ. under her pseud. V. Krestovskii]
(MiU)

KIREENKA, KASTUS'. [Thirst, verse] Smaha, vershy. Minsk, Dziarzh vyd-vo BSSR, 1962. 77 p
(MH)

KIRGHIZ S.S.R. Ministerstvo kul'tury. [Bibliography of the literature in the Dungan, Karachaevo-Balkar, and Chechen-Ingush languages published in Kirghizistan from 1930 to 1960] Ukazatel' literatury na dunganskom, karachaevo-balkarskom i checheno-ingushskom iazykakh, izdannoi v Kirgizii (1930-1960 gg.) Frunze, Gos. knizhnaia palata, 1962. 14 p.
[MICROFILM]

KIRIUSHKIN, V.V. [The schooner "Larga", tales of adventure] Shkuna "Larga"; prikliuchenskie povesti. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1962. 305 p.
(NIC)

KLIPEL', V.I., and V.P. SYSOEV. [Bright currents of the Amgun] Svetlye strui Amguni. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1962 190 p.
(MH)

KLIUSOV, B.N. [At the forefront, an essay on V. Tendriakov's creative work] Na perednei linii; ocherk tvorchestva V. Tendriakova. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 73 p.

KNYSH, IRENA. [Three contemporaries, 1860-1960; on the centenary of the birth of Uliana Kravchenko, Marila Bashkirtseva, and Marlia Zan'kovets'ka] Try rovesnytsi, 1860-1960, do stolichchia narodyn Uliany Kravchenko, Marii Bashkirtsev, Marii Zan'kovets'koi. [Winnipeg, National Publishers, 1960?] 320 p. illus [With summary in English]
(MiD) (InU)

KOBYLETS'KYI, IU.S. [Natan Rybak; an account of his life and works] Natan Rybak; krytyko-biograficheskyi narys. Kyiv, Radians'kyi pys'mennyk, 1963. 124 p. (CaOTU)

KOKIN, L.M. [The testing shop; stories] TSekh ispytanii; rasskazy. Moskva [Sovetskii pisatel',] 1962. 201 p.
(MH)

KOLK, U., and E. LAUGASTE. [Folk song field studies] Rahvaluule valipraktika. Tartu, Tartu Riiklik Ulikool, 1963. 124 p. [In Estonian]

KOLYKHALOV, V.A. [In the valley of gold springs; sketches and stories] V doline zolotykh kliuchei; ocherki i rasskazy. Blagoveshchensk, Amurskoe knizhnoe izd-vo, 1962. 157 p.
(MH)

KONDRASHOV, N.A. Roman Fedorovich Brandt. [Moskva] Izd-vo Mosk. univ. [1963] 67 p. [Zamechatel'nye uchenye Moskovskogo universiteta]

KOROLENKO, V.G. [Makar's dream] Son Makara. Moskva, Gospolitizdat, 1963. 45 p. (Khudozhestvennaia ateisticheskaia biblioteka)

KOROLIUK, V.D., and others. [Slavic studies in the Soviet Union; a brief review of literature for 1945-1963] Sovetskoe slavianovedenie; kratkii obzor literatury 1945-1963 gg. Moskva, Izd-vo Akad. nauk SSSR. 1963. 82 p (V Mezhdunarodnyi s"ezd slavistov)

KOROL'KOV, IU.M. [War secrets; a novel] Tainy voiny; roman-khronika. Dilogiia. [Izd. 3., dop.] Kyiv, Derzhlitvydav.
Vol. 1. 1962.
(MH)

KORSUNS'KA, B.I., ed. [Revolutionary poetry of the October Revolution; poetic creativity of the people] Revoliutsiina poeziia zhovtnia, poetychna tvorchist' narodnykh mas. Kyiv, Radians'kyi pys'mennyk, 1960. 427 p. (Biblioteka poeta)
(NN)

KOSARYK, DMYTRO. [A song colossus; a tale] Syn kolos; khrychna povist'. Kyiv, "Molod," 1962. 235 p.
(NN)

KOSHEVAIA, E.N. [Tale about a son] Povest' o syne. Moskva, Detgiz, 1963. 205 p. (Shkol'naia biblioteka)

KOSTENKO, A.I., ed. [Reminiscences of Lesia Ukrainka] Spohady pro Lesiu Ukrainku. Kyiv, Radians'kyi pys'mennyk, 1963. 518 p.
(NN)

KOTSIUBYNS'KYI, M. M. [Praise of life, short stories] Khvala zhyttiu, novely. L'viv, Knyzhkovo-zhurnal'ne vyd-vo, 1962. 50 p. (Bibliotechka opovidan' "Na dobryi vechir")

KOVAL'-VOLKOV, A. I. [Zenith, verse] Zenit, stikhi. Moskva, Voenizdat, 1963. 67 p.

KOVALEV, D. M. [Quiet lightning, verse] Tikhaia molniia, stikhi. [Moskva] Molodaia gvardiia, 1961. 198 p.
(MH)

KOVTUN, L. S. [Russian lexicography during the Middle Ages] Russkaia leksikografiia epokhi srednevekov'ia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 444 p.

KOZLOVSKII, M. I. [Mitroshin Heights, stories] Mitroshin verkh; rasskazy. [Kursk] Kurskoe knizhnoe izd-vo, 1961. 146 p.
(MH)

KRASYTS'KYI, D. F. [Taras' country] Tarasova zemlia. Kyiv, Molod', 1962. 80 p.
(MH)

KRUTIKOVA, N. E. [Russian realism and the formation of Ukrainian realist prose] Russkii realizm i stanovlenie ukrainskoi realisticheskoi prozy. Kiev, Izd-vo Akad. nauk USSR, 1963. 62 p. (Doklady Sovetskoi delegatsii. V Mezhdunarodnyi s"ezd slavistov) [With summary in English]

KUL'CHITSKAIA, P. M., and K. I. PAVLOVA. [Exercises in Russian lexicon and phraseology, textbook for philology students in pedagogic institutes and for teachers in secondary schools] Sbornik uprazhnenii po leksike i frazeologii russkogo iazyka; posobie dlia studentov filologicheskikh fakul'tetov pedinstitutov i uchitelei srednikh shkol. Kiev, 'Radians'ka shkola,' 1963. 58 p.

KUNIAEV, B. I. [Pole of courage; verse] Pollus muzhestva, stikhi. Moskva, Sovetskii pisatel', 1962. 118 p.
(MH)

KUPRIN, A. M. [Anathema, stories] Anafema; rasskazy. Moskva, Gospolitizdat, 1963. 46 p. (Khudozhestvennaia ateisticheskaia biblioteka)

KURAKIN, P. G. [Seething years; a novel] Kipuchie gody; roman. [Leningrad] Lenizdat, 1963. 293 p.
(NIC)

KUSHNER, A. S. [First impression; verse] Pervoe vpechatlenie; stikhi. Moskva, Sovetskii pisatel', 1962. 96 p.
(MH)

KUSHTUM, N. A., ed. [Ural Poetry Day] Den' ural'skoi poezii. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 127 p.
(NIC)

KUSTAREVA, V. A., and N. S. ROZHDESTVENSKII. [System of written exercises in composition, for grades 3 and 4] Sistema pis'mennykh uprazhnenii v sviaznoi rechi (3 – 4 klassy). Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 93 p.

KUZNETSOV, F. F. [What should I be; literature and the moral education of the person] Kakim byt, literatura i nravstvennoe vospitanie lichnosti. Moskva, Sovetskii pisatel', 1962. 241 p.
(RPB)

KUZNETSOV, M. M. [The Soviet novel; sketches] Sovetskii roman; ocherki. Moskva, Izd-vo Akad. nauk SSSR, 1963. 300 p.

JOGI, O. [Literary coordinates, articles and reviews] Kirjanduse koordinaadid; artikleid ja arvustusi. Tallinn, Eesti Riiklik Kirjastus, 1963. 157 p. [In Estonian]

LANKAUSKAS, ROMUALDAS. [In the middle of a large field; a novel] Vidury didelio lauko, romanas. Vilnius, Valstybine grozines literaturos leidykla, 1962. 157 p. [In Lithuanian]
(MH)

LATVIJAS PSR ZINATNU AKADEMIJA. Valodas un literaturas instituts. [History of Latvian literature] Latviesu literaturas vesture. Riga,
Vol. 6. [Soviet Latvian literature; from 1940 to 1960] Latviesu Padomju literatura; no 1940 lidz 1960 gadam. 1962. 1023 p. [In Latvian]

LAZAREV, V. IA. [I love, verse] Liubliu; stikhi. [Tula] Tul'skoe knizhnoe izd-vo, 1962. 63 p.
(NIC)

LIBEDINSKII, IU. N. [Tales] Povesti. Moskva, Gos. izd-vo khudozh. lit-ry, 1955. 255 p.
(IU)

[LIBRARY OF WORKS BY SOVIET WRITERS IN FIVE VOLUMES, supplement to the periodical "Sel'skaia molodezh'"] Biblioteka proizvedenii sovetskikh pisatelei v 5 tomakh; prilozhenie k zhurnalu "Sel'skaia molodezh'." Moskva, Molodaia gvardiia.
Vol. 1. [By] V. Fedorov i dr. 1963. 526 p.
[Cover title, Zrelost']

LITOVSKII, O. S. [Through the eyes of a contemporary; notes of past years] Glazami sovremennika, zametki proshlykh let. Moskva, Sovetskii pisatel', 1963. 340 p.

LOKOTKOV, K. P. [Erase the accidental distinctions . .; a novel] Sotri sluchainye cherty . . roman. [Voronezh] Voronezhskoe knizhnoe izd-vo, 1962. 303 p.
(NIC)

MAIAKOVSKII, V. V. [Down with it!] Doloi! Moskva, Sovetskaia Rossiia, 1963. 45 p.

MAIAKOVSKII, V. V. [My discovery of America] Moe otkrytie Ameriki. Moskva, Sovetskaia Rossiia, 1963. 92 p.

MAIAKOVSKII, V. V., and DEMIAN, BEDNYI. [Our Sunday, atheistic verse] Nashe voskresen'e; ateisticheskie stikhi. Moskva, Gospolitizdat, 1963. 45 p.

MAIRONIS, JONAS. [Selected poems] Poezija, rinktine. Vilnius, Valstybine grozines literaturos leidykla, 1962. 308 p. [In Lithuanian]

MALDONIS, ALFONSAS. [Sunny rains, poems] Sauleti lietus, eilerasciai. Vilnius, Valstybine grozines literaturos leidykla, 1962. 150 p. [In Lithuanian]

MAMYROV, MUNDUK. [The ideas and the artistic characteristics of the Manas epic according to Saiakba Karalaev's version] Ideino-khudozhestvennye osobennosti eposa Manas po variantu Saiakbala Karalaeva. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 142 p. [In Kirgiz]
(MH)

[MAN IS GLORIFIED THROUGH WORK] Trudom slaven chelovek. Kishinev, 'Kartia moldovenieske,' 1961. 188 p.

MANNIK, EDUARD. [Stories from the front] Rindejutud. Tallinn, Eesti Riiklik Kirjastus, 1962. 346 p. [In Estonian]
(MH)

MARKUSHA, A. M. [Road without end, stories] Doroge net kontsa, rasskazy. Moskva, Detgiz, 1963. 237 p.

MARKUSHA, A. M. [When we are 40, in jest and seriously about things which concern everyone] Kogda nam sorok. . ., i v shutku i vserez o tom, chto kasaetsia vsekh. Izd. 2. [Moskva] Fizkul'tura i sport," 1963. 43 p. (Bibliotechka "Fizkul'tura i zdorov'e")

MARTYNOV, V. V. [Slavic-Germanic lexical contacts from earliest times, about the land of origin of the Slavs] Slaviano-germanskoe leksicheskoe vzaimodeistvie drevneishei pory; k probleme prarodiny slavian. Minsk, Izd-vo Akad. nauk BSSR, 1963. 248 p.

[MATERIALS FOR STUDYING THE HISTORY OF UKRAINIAN LITERATURE IN FIVE VOLUMES] Materialy do vyvchennia istorii Ukrains'koi literatury v p'iati tomakh, posibnyk dlia filologichnykh fakul'tetiv universitetiv i pedagogichnykh instytutiv. Kyiv, Derzh. uchbovo-pedagog. vyd-vo "Radians'ka shkola."
Vol. 5. [Soviet literature] Radians'ka literatura. Book 1. Uporiadkuvaly A. O. Ishchuk, P. M. Sirenko, P. P. Kononenko. 1963. 591 p.

MATIUSHIN, M. I. [Born with a silver spoon in his mouth; a novel] Rozhdennyi v rubashke; roman. [Riazan'] Riazanskoe knizhnoe izd-vo, 1962. 175 p.
(MH)

MEDVEDIEV, F. P. [System of conjunctions in the Ukrainian language] Sistema spoluchnykiv v ukrains'kii movi; korotkyi narys. Kharkiv, Vyd-vo Kharkivs'koho ordena Trudovoho Chervonnoho Prapora derzh. univ. im. A. M. Gor'kogo, 1962. 87 p.
(CaOTU)

MELENT'EV, V. G. [The quiet plot of earth, a tale] Tikhii uchastok, povest'. Moskva, Voen. izd-vo, 1959. 281 p.
(IaU)

MEL'NIKOV, P. I. [Collected works in six volumes] Sobranie sochinenii v shesti tomakh. Moskva, Izd-vo "Pravda," 1963. (Biblioteka "Ogonek")
Vol. 2. [In the forests, book one] V lesakh; kniga pervaia. 613 p.
Vol. 3. [In the forest, book two] V lesah, kniga vtoraia. 531 p.
Vol. 4. [In the mountains, book one] Na gorakh, kniga pervaia. 626 p.
Vol. 5. [In the mountains, book two] Na gorakh, kniga vtoraia. 534 p.
Vol. 6. [Princess Tarakanova and Princess Vladimirskaia] KnIazhna Tarakanova i printsessa Vladimirskaia. 421 p.

MIKHAILOV, V. S. [Guardians of the cold sea, a tale] Strazhi studenogo moria, povest'. Moskva, Voenizdat, 1962. 263 p. (Bibliotechka voennykh prikliuchenii)
(MH)

MIKHALKOV, S. V. [Collected works] Sobranie sochinenii. Moskva, Gos. izd-vo khudozh. lit-ry, 1963 -
(MiU)

[MOKSHA AND ERZA CHASTUSHKI] Mokshon' dy Erzian' chastushkat. [Saransk] Mordovskoi knizhnoi izdatel'stvis' 1962. 71 p. [In Mordvinian]

MOSCOW. PUBLICHNAIA BIBLIOTEKA. [Soviet literature, 1962; a recommended reading list] Sovetskaia literatura, 1962; rekomendatel'nyi ukazatel'. Moskva, 1963. 123 p. (Novinki khudozhestvennoi literatury)

MOSKVIN, N. IA. [Footsteps of a man, tales and stories] Sled cheloveka; povesti i rasskazy. Moskva, Sovetskii pisatel', 1963. 585 p.

MYRNYI, PANAS. [Selected works] Vybrani tvory. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962. 392 p. [Author's real name: Rudchenko Panas]
(NN)

NAGISHKIN, D. D. [The constellation Sagittarius, a novel] Sozvezdie strel'tsa; roman. Moskva, Sovetskii pisatel', 1962. 530 p.
(MH)

NAUKOVE TOVARYSTVO IMENI SHEVCHENKA. [In memory of Taras Shevchenko on the centenary of his death] U stolittia smerty Tarasa Shevchenka, dopovidi. Philadelphia, Nakladom Oseredku pratsi Naukovoho tovarystva im. Shevchenka, 1962. 77 p. (Bibliioteka ukrainoznavstva, no. 9) [In English and Ukrainian]
(MH)

NEKRASOV, N. A. [Who can be happy and free in Russia?] Komu na Rusi zhit' khorosho. Moskva, Detgiz, 1963. 287 p.

NIKONOV, V. [The spring in the steppe; verses by poets of the Aga Buryat National Area. Translated from the Buryat] Rodnik v stepi, stikhi poetov Aginskogo Buriatskogo natsional'nogo okruga. [Chita] Chitinskoe knizhnoe izd-vo, 1959. 68 p.
(WaU)

NIKULIN, N. I., and NGUYEN-TIEN-THONG. [Russian Vietnamese phrase book] Russko-v'etnamskii razgovornik. Moskva, Izd-vo lit-ry na inostrannykh iazykakh, 1961. 156 p.
(NcD)

[NORWEGIAN-RUSSIAN DICTIONARY, approximately 77,000 words with a brief grammatical appendix] Norvezhsko-russkii slovar'. Okolo 77 000 slov. Sost. V. D. Arakin, s prilozheniem kratkogo grammaticheskogo ocherka, sostavlennogo M. I. Steblin-Kamenskim. Moskva, Gos. izd-vo inostr. i natsional'nykh slovarei, 1963. 1113 p.

NOVGOROD-SEVERSKII, IV. [Tales of Mikhelich's] Skazki Mikhelicha. [Paris, Russiaches Wissenschaftliches Institut, 1961?] 151 p.
(MiU)

NUD'HA, H. A. [Ukrainian parodies] Ukrains'ki parodii. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 415 p.
(InU)

OZEROV, L. A. [Work of the poet] Rabota poeta; kniga statei. Moskva, Sovetskii pisatel', 1963. 334 p.

PANOV, D. A. [Vladimir Pavlovich Birlukov, Ural regionalist and writer] Ural'skii kraeved i pisatel' Vladimir Pavlovich Birlukov. Shadrinsk [Shadrinskii gos. pedagog. in-t] 1958. 65 p.
(MH)

PATSH, S. M., and L. I FROMZEL' [Grammar of the German language, the noun] Grammatika nemetskogo iazyka, imia sushchestvitel'noe. Posobie dlia zaochnikov. [Leningrad] Izd-vo Leningr. univ., 1963. 30 p

PAVLOVA, D. G. [Conscience, a novel] Sovest'; roman. Moskva, Sovetskii pisatel', 1963. 374 p. (MH)

PEREGUDOV, A. V [Siera song; a novel in two parts] Surovaia pesnia, roman v dvukh chastiakh. Moskva, Sovetskii pisatel', 1963 473 p. (MH)

PERMITIN, E N. [First love, a novel] Pervaia liubov', roman. Moskva, Sovetskaia Rossiia, 1962. 605 p. (NN)

PERVOVA, V M , M. G. SVIRIDOVA, and E. P. TONKONOGAIA [Instructional and methodological manual on the Russian language for evening (staggered) and correspondence schools] Uchebno-metodicheskoe posobie po russkomu iazyku dlia vechernei (smennoi) i zaochnoi shkoly Moskva, Izd-vo APN RSFSR. (Pedagogicheskaia biblioteka uchitelia)
No 1 1962 287 p

PINAEV, M. T. [Commentaries on N. G. Chernyshevskii's novel "What is to be done?"] Kommentarii k romanu N. G. Chernyshevskogo "Chto delat'?" Moskva, Uchpedgiz, 1963. 230 p

PLOTNIKOV, A. I [Terrestrial gravitation] Zemnoe prityazhenie, sila tiagi. [Gor'kii, Gor'kovskoe knizhnoe izd-vo, 1962] 62 p (MH)

PLUCHEK, V. M. [Pluchek, Tovstonogov, and Akimov for the amateur theater] Pluchek, Tovstonogov, Akimov - teatral'noi samodeiatel'nosti. Moskva, Iskusstvo, 1962. 107 p. (Repertuar khudozhestvennoi samodeiatel'nosti, no. 32) (MH)

POGODIN, N. P. [Knights of the soap bubbles, a grotesque comedy] Rytsari myl'nykh puzyrei; komediia-grotesk. Moskva, Otdel rasprostraneniia dramaticheskikh proizvedenii VUOAP, 1955 66 l. (CaOTU)

POLONSKAIA, E. V. [The meeting; stories] Vstrecha; rasskazy. Groznyi, Checheno-ingushskoe knizhnoe izd-vo, 1962. 106 p. (NIC)

PRINTSEV, IU. IA. [First one encountered; a play] Pervyi vstrechnyi; [p'esa]. Moskva, Iskusstvo, 1962. 91 p. (MH)

[PROFIT FROM SIN; atheistic anecdotes of peoples the world over. Translated from the English and other languages] Pribyl' ot grekha, ateisticheskie anekdoty narodov mira. Moskva, Gospolitizdat, 1963. 46 p (Khudozhestvennaia ateisticheskaia biblioteka)

PROKOF'EV, A. A. [Verses while on the road] Stikhi s dorogi Moskva, Sovetskii pisatel', 1963. 103 p.

PROKUSHEV, IU. L. [Poetry of the October Revolution] Poeziia Oktiabria. Moskva, Izd-vo "Znanie," 1963. 45 p (Novoe v zhizni, nauke, tekhnike. VI Seriia: Literatura i iskusstvo, no. 15)

PRUTKOV, KOZ'MA, pseud. [Fruits of reason; thoughts and aphorisms] Plody razdum'ia; mysli i aforizmy. [Leningrad, Khudozhnik RSFSR, 1962] 76 p. illus. [Authors' real names: A. K. Tolstoi, A. M. Zhemchuzhnikov, and V. M. Zhemchuzhnikov] (NjP)

RADCHENKO, A. P. [Verse] Stikhi. [By] A. Radchenko, N. Grishchchenko. [Kaluga] Kaluzhskoe knizhnoe izdvo, 1962. 58 p. (MH)

ROZHDESTVENSKAIA, K. V. [At the round table; an editor's notes] Za kruglym stolom; zapiski redaktora. Moskva, Izd-vo "Iskusstvo," 1962. 237 p.

RUDOLFS BLAUMANIS' PLACES OF RESIDENCE AND WORK] Rudolfa Blaumana dzives un darba vietas. Riga, Latvijas valsts izdevnieciba, 1962. 106 p. illus. [Text in Latvian]

RUDYK, S. T. [Achilles' heel; humoresques] Akhillesova p'iata; humoresky. L'viv, Knyzhkovo-zhurnal'ne vydvo, 1963. 54 p.

RUSSIA (1923- U. S. S. R.) TSentral'nyi gosudarstvennyi arkhiv literatury i iskusstva [Guide to the Central State Archive of Literature and Art of the U. S. S. R.; literature] Putevoditel', literatura Moskva, 1963. 809 p.

RYBAKOV, B. A [Old Russia, legends, byliny, chronicles] Drevniaia Rus', skazaniia, byliny, letopisi [Moskva] Izd-vo Akad. nauk SSSR, [1963] 358 p.

RYL'S'KYI, MAKSYM. [Evening talks, 1960-1961] Vechirni rozmovy, 1960-1961. [Kyiv] Kyivs'ke obl. knyzhkovo-gazetne vyd-vo, 1962. 148 p. (CaOTU)

SADYKOV, ABDYKADYR. [The traditional and the new in the poetry of Alykul Osmonov] Traditsii i novatorstvo v poezii Alykula Osmonova Frunze, Izd-vo Akad. nauk Kirgizskoi SSR] 1962. 128 p. [In Kirghiz] (MH)

SANZHEEV, G D [Comparative grammar of the Mongolian languages, the verb] Sravnitel'naia grammatika mongol'skikh iazykov, glagol Moskva, Izd-vo vostochnoi lit-ry, 1963 266 p.

SAPARIN, V. S [Judgment on Tantalus, science fiction] Sud nad Tantalusom; nauchno-fantasticheskie rasskazy. [Moskva] Molodaia gvardiia, 1962. 221 p. (MH)

SAVEL'EV, S. A. [Your friend, comrade, and brother, a literary collection] Tvoi drug, tovarishch i brat; literaturno-khudozhestvennyi sbornik. Moskva, [Sovetskaia Rossiia] 1962. 212 p. (CSt-H)

SEITAKOV, BEKI. [Brothers, a novel. Translated from the Turkmen] Brat'ia; roman Moskva, Izd-vo "Izvestiia," 1963. 676 p. (Biblioteka istoricheskikh romanov narodov SSSR)

SELIVANOVSKII, A P. [In literary battles, selected articles and studies] V literaturnykh bolkhi, izbrannye stat'i i issledovaniia Izd 2 , dop Moskva, Sovetskii pisatel', 1963 611 p

SEREBRENNIKOV, B A. [Historical morphology of the Permian languages] Istoricheskaia morfologiia permskikh iazykov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 390 p

SHAKESPEARE, WILLIAM [The tragedy of Macbeth King Henry IV] Tragediia Makbeta. Korol' Genri IV Red. i vstup. stati Ihoria Kostets'koho. Munich, Vydvo "Na hori," 1961. 446 p. (Seriya. "Svitovyi teatr") (NN)

SHCHEPOTEV, V. A. [Following the sun] Po solntsu. Moskva, Sovetskii pisatel', 1963. 65 p. illus. (MH)

SHEVCHENKO, T. H [Complete collected works in six volumes] Povne zibrannia tvoriv u shesty tomakh Kyiv, Vyd-vo Akad. nauk URSR.
Vol. I. [Verse, 1837-1847] Poezii, 1837-1847. 1963. 462 p.

SHEVTSOV, I. M. [The world is not without good people; a novel] Svet ne bez dobrykh liudei; roman. [Moskva] Mosk. rabochii, 1962. 428 p. (MH)

SHIFMAN, I. SH. [The Phenician language] Finikiiskii iazyk. Moskva, Izd-vo vostochnoi lit-ry, 1963. 68 p. (IAzyki zarubezhnogo Vostoka i Afriki)

SHUNDIK, N. A. [With a red line; a tale] S krasnoi stroki; povest', [Moskva] Sovetskaia Rossiia, 1963. 219 p.

SKUL'SKII, G. M. [Near a mermaid; stories and a tale] Riadom s Rusalkoi, rasskazy i povest'. Tallin, Estonskoe gos. izd-vo, 1962. 263 p. (MH)

SKVORTSOV, N. V. [Soldier's bread; stories] Soldatskii khleb; rasskazy. [Gor'kii, Gor'kovskoe knizhnoe izdvo, 1962] 94 p. illus. (MH)

SLAVUTYCH, YAR. [Trophies, 1938-1963] Trofei, 1938-1963. Edmonton, Slavuta, 1963. 320 p.

SMIRNOV-CHERKEZOV, A. I. [House of bachelors; a tale] Dom kholostiakov; povest'. Moskva, Sovetskii pisatel', 1962. 273 p. (MH)

[SOGDIAN DOCUMENTS FROM MUG MOUNTAIN; their reading, translating, and commentating] Sogdiiskie dokumenty s gory Mug; chtenie, perevod, kommentarii. Moskva, Izd-vo vostochnoi lit-ry.
No 2 [Legal documents and letters] Iuridicheskie dokumenty i pis'ma, chtenie, perevod i kommentarii V. A Livshitsa. 1962. 222 p.

SOIUZ PISATELEI RSFSR. Smolenskoe otdelenie [Time, prose, poetry, and literary criticism] Vremia, proza, poezila, literaturnaia kritika. Smolensk] Smolenskoe knizhnoe izd-vo, 1962. 109 p. (MH)

SOTNIKOV, I. V [Time does not stop; a novel] Vremia ne ostanavlivaetsia, roman Ufa, Bashkirskoe knizhnoe izd-vo, 1963 275 p (MH)

[SPANISH-RUSSIAN SCHOOL DICTIONARY, 6,000 words] Ispansko-russkii uchebnyi slovar'; 6000 slov. Sostavili M. Gisbert, i V. A Nizvki. S prilozheniem svedenii po morfologii i grammaticheskikh tablits russkogo iazyka, sostavlennykh A. A. Zaliznlakom Izd. 2., stereotipnoe. Moskva, Gos izd-vo inostr. i natsional'nykh slovarei, 1963. 548 p.

STADNIUK, I. F. [People are not angels; a novel] Liudi ne angely, roman. Moskva, Gos lit-izdat, 1963. 93 p. (Roman gazeta, no. 16(262))

STARYTS'KYI, MYKHAILO. [The siege of Bushа; a historical tale of the time of Khmel'nitskii] Obloha Bushi. Istorychna povist' za chasiv Khmel'nychchyny. Kyiv, "Molod'," 1961. 91 p. (Istorychna povist' i roman) (NN)

STEPANOV, G. V. [The Spanish language in Latin American countries] Ispanskii iazyk v stranakh Latinskoi Ameriki Moskva, Izd-vo lit-ry na inostr. iazykakh, 1963. 201 p. (Biblioteka filologa)

STETSIUK, IA. F. [Tell me the truth] Skazhy meni pravdu. L'viv, Knyzhkovo-zhurnal'ne vyd-vo, 1963. 70 p. (Bibliotechka opovidan' "Na dobryi vechir")

STETSIUK, IA. N. [Along mountain paths. People of Polesye; tales] Ilis'kymy stenkamy. Polishchuky; povesti. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1963. 300 p. (CaOTU)

STRUK, D. A. Gamma sigma. Cambridge, Mass. 1963. 40 p. [In Ukrainian] (MH)

SUBBOTIN, F. E. [Love calls; a novel] Liubov' zovet; roman. Astrakhan', Volga.
Vol. 1. 1962. [n p] (MH)

SUDRADKALNS, JANIS. [Collected works; literary criticism, free translations, and other works] Kopoti raksti, literari kritiski raksti, nidzejojumi u c. Riga Latvijas valsts izdevnieciba,
Vol. 6. 1962. 730 p. [In Latvian]

SUKHOBRUS, H. S. [Ukrainian-Russian folklore ties in the light of Russian-Ukrainian studies made in the first half of the 19th century] Ukrains'ko-rosiis'ki fol'klorni zv'iazky v osvitlenni vitchyznianoi nauky pershoi polovyny XIX st. Kyiv, Vydavnytstvo AN URSR, 1963. 214 p.

SURMA, IU. A. [Words in battle; aesthetics of Maiakovskii and the literary struggle of the 1920's] Slovo v boiu, estetika Maiakovskogo i literaturnaia bor'ba 20-kh godov. [Leningrad] Lenizdat, 1963. 206 p.

SUROV, A. A. [Sparks from the same flint stone] Odnogo kremnia iskry. [Moskva] Molodaia gvardiia, 1963. 205 p.

SYMAKOVYCH, V. O. [The eastern frontier in flames; a novel] Kresy v ohni; roman. Kyiv, Radians'kyi pys'mennyk, 1960. 242 p. (CaOTU)

SYNHAIVS'KYI, M. F. [A cluster; verse] Hrono; poezii. Kyiv, Molod', 1962. 90 p. (CaOTU)

TEMIN, L. S. [Yes and no; verse] Da i net; stikhi. Moskva, Sovetskii pisatel', 1962. 101 p. (MH)

TENDRIAKOV, V. [The extraordinary. The court; tales] Chrezvychainoe. Sud; povesti. [Moskva] Mosk. rabochii, 1962. 190 p. (CtW)

TENDRIAKOV, V. F. [Short circuit; a tale] Korotkoe zamykanie, povesti'. Moskva, Sovetskaia Rossiia, 1962. 109 p. (Korotkie povesti i rasskazy)
(NIC)

TEPLINSKII, M. V., and B. N. BURIATOV. [A. P. Chekhov on Sakhalin] A. P. Chekhov na Sakhaline. [Uzhno-Sakhalinsk] Sovetskii Sakhalin, 1957. 95 p.
(MH)

TILVYTIS, TEOFILIS. [Usnyne, a poem] Usnyne, poema. 4. leidimas. Vilnius, Valstybine grozines literaturos leidykla, 1962. 213 p. [In Lithuanian]
(MH)

TIMOFEEV, K. T. [Mari literature, an anthology for the 7th grade] Mariĭ literatura, 7 klassian khrestomatii. Ioshkar-Ola, Knigam luksho Mariĭ izd-vo, 1958. 238 p. [In Cheremiss]
(InU)

TSYBUL'S'KYI, P. D. [Mountains and men, stories] Hory i liudy; opovidannia. Kyiv, Derzhlitvydav, 1962. 207 p.
(MH)

TYCHYNA, P. H. [Works] Tvory. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1961-1962. 6 v.
(CaOTU)

UGRIUMOV, A. A. [Russian names] Russkie imena. [Vologda] Vologodskoe knizhnoe izd-vo, 1962. 116 p.
(NIC)

[UKRAINIAN-FRENCH DICTIONARY. About 50,000 words] Ukrains'ko-frantsuz'kyi slovnyk. Uklaly O. O. Andrilevs'ka i L. A. IAvorovs'ka. Blyz'ko 50 000 sliv. Kyiv, "Radians'ka shkola," 1963. 836 p.
[MICROFILM]

[UKRAINIAN LITERATURE; a chrestomathy for the 10th grade in secondary schools] Ukrains'ka literatura, khrestomatiia dlia X klasu seredn'oi shkoly. Vyd. 8. Kyiv, Radians'ka shkola, 1962. 560 p.
(CaOTU)

UPITS, ANDREJS. [Atheist] Bezbozhnik. Moskva, Gospolitizdat, 1963. 47 p. (Khudozhestvennaia ateisticheskaia biblioteka)

VASHCHENKO, V. S. [Ukrainian language] Ukrains'ka mova. 2., vypr. vyd. Kharkiv, Vyd-vo Kharkivs'koho derzh. univ. im. O. M. Gor'kogo, 1961. 348 p.
(NN)

VINOGRADOV, V. V. [Distinctions in the development pattern of Slavic literary languages before and during their national periods] Razlichiia mezhdu zakonomernostiami razvitiia slavianskikh literaturnykh iazykov v donatsional'nuiu i natsional'nuiu epokhi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 33 p. (VMezhdunarodnyi s"ezd slavistov doklady Sovetskoi delegatsii) [With summary in French]

VINOGRADOV, V. V. [Plot and style, comparative-historical studies] Siuzhet i stil'; sravnitel'no-istoricheskoe issledovanie. Moskva, Izd-vo Akad. nauk SSSR, 1963. 190 p.

VINOKHODOV, V. I. [Crimean writers write for children; a bibliography] Pisateli Kryma — detiam, bibliograficheskii ukazatel' literatury. Simferopol', Krymizdat, 1962. 47 p.
(NIC)

VOLKOV, A. [Verse] Stikhi. Nukus, Karakalpakskoe gos. izd-vo, 1958. 67 p.
(MH)

YASNAYA POLYANA. MUZEI-USAD'BA L. N. TOLSTOGO. [Yasnaya Polyana. Park, house-museum and literary museum; guidebook] IAsnaia Poliana. Zapovednik, dom-muzei, literaturnyi muzei; putevoditel'. [Tula] Tul'skoe knizhnoe izd-vo, 1963. 157 p.

ZABILA, NATALIA. [Verse] Poezii. Kyiv, Radians'kyi pys'mennyk, 1963. 178 p.
(CaOTU)

ZAV'IALOVA, V. M., and L. V. KOSAREVA. [Practical course in German] Prakticheskii kurs nemetskogo iazyka. Moskva, Izd-vo IMO, 1963. 319 p.

ZAYN AL-ABIDIN, Maraghah'i. [Travel diary of Ibrakhim-Bek, or his misfortunes brought on by his fanatic love for his country. Translated from the Persian] Dnevnik puteshestviia Ibrakhim-Beka, ili ego zloklucheniia po prichine fanaticheskoi liubvi k rodine. Izdanie podgotovili G. P. Mikhatevich, I. A. M. Sholtov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 268 p. (Akademiia nauk SSSR. Literaturnye pamiatniki)

ZEMLIAK, V. S. [Homeland, a Polish tale] Ridna storona; polis'ka povist'. Kyiv, Radians'kyi pys'mennyk, 1956. 335 p.
(WaU)

ZERNOVA, R. A. [Bacalao; stories] Bakalao, rasskazy. Moskva, Izd-vo "Pravda," 1963. 48 p. (Biblioteka "Ogonek," no 35)

ZHAVORONKOV, B. I., comp. [Over the Oka comes the sound of the accordion, a collection of verse] Nad Okoi zvenit garmon', sbornik stikhov. [Riazan'] Riazanskoe knizhnoe izd-vo, 1962. 95 p.
(MH)

ZHYLKO, F. T. [Phonologic characteristics of Ukrainian as compared with other Slavic languages] Fonologichni osoblyvosti Ukrains'koi movy v porivnianni z inshymy slov'ians'kymy. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 36 p. (V Mizhnarodnyi s'izd slavistiv dopovidi Radians'koi delegatsii) [With summary in English]

ZOTOV, A. V. [Sons grow up; a tale] Rastut synov'ia, povest'. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1962. 174 p.
(MH)

ZÚBEK, LUDOVIT. [Doctor Jesenius, a novel] Doktor Esenius; roman. Moskva, Gos. izd-vo detskoi lit-ry, 1961. 366 p.
(NNC)

ZUBKOV, S. D. [IEvhen Pavlovych Hrebinka; his life and works] IEvhen Pavlovych Hrebinka; zhyttia i tvorchist'. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962. 209 p.
(NN)

12. GEOGRAPHY & GEOLOGY

ABALAKOV, EVGENII. [On the highest summits of the Soviet Union] Na vysochaishikh vershinakh Sovetskogo Soiuza. [Moskva] Izd-vo Akad. nauk SSSR, [1962] 469 p.

AGAKHANIANTS, O. E. [Between Gindukush and Tien Shan; history of nature study of the Pamirs] Mezhdu Gindukushem i Tian'-Shanem; istoriia izucheniia prirody Pamira. Dushanbe, Tadzhikskoe izd-vo, 1962. 125 p.
(MiU)

AKADEMIIA NAUK SSSR. Institut geografii. [Natural conditions and the regionalization of Kamchatka Province] Prirodnye usloviia i raionirovanie Kamchatskoi oblasti. Moskva, Izd-vo Akad. nauk SSSR, 1963. 160 p.

AKADEMIIA NAUK SSSR. Institut geokhimii i analiticheskoi khimii. [Essential features of uranium geochemistry] Osnovnye cherty geokhimii urana. Pod red. A. P. Vinogradova. Moskva, Izd-vo Akad. nauk SSSR, 1963. 350 p.

AKADEMIIA NAUK SSSR. Laboratoriia gidrogeologicheskikh problem. [Settling deformations of loess in the central Ciscaucasia] Prosadochnye deformatsii lessovykh porod TSentral'nogo Predkavkaz'ia. Moskva, Izd-vo Akad. nauk, 1963. 133 p.

AK[illegible]

Izd-vo Akad. nauk SSSR [In Russian with summary in English]
Nos. 10, 5. Borovinskii, B. A. [Exploration of the Trans-Ili Alatau by geophysical methods] Izuchenie lednikov Zailiiskogo Alatau geofizicheskimi metodami. 1963. 111 p.

AKADEMIIA NAUK SSSR. Mezhduvedomstvennyi komitet po provedeniiu Mezhdunarodnogo geofizicheskogo goda. X razdel programmy MGG: Okeanologiia. [Collection of articles] Sbornik statei. Moskva, Izd-vo Akad. nauk SSSR. [In Russian with summaries in English]
No. 8. [Oceanographic research] Okeanologicheskie issledovaniia. 1963. 160 p.

AKADEMIIA NAUK SSSR. Otdelenie geologo-geograficheskikh nauk. [Academician V. O. Obruchev's ideas on the geology of northern and Central Asia and their further development; on the 100th anniversary of his birth, 1863-1963] Idei akademika V. A. Obrucheva o geologicheskom stroenii Severnoi i TSentral'noi Azii i ikh dal'neishee razvitie; k stoletiiu so dnia rozhdeniia (1863--1963). Moskva, Izd-vo Akad. nauk SSSR, 1963. 210 p.

AKADEMIIA NAUK TURKMENSKOI SSR, Ashkhabad. Institut geologii. [Problems of the geology of Turkmenia] Voprosy geologii Turkmenii. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 146 p. illus.

BALIBALOV, I. A. Kemerovo. Kemerovskoe knizhnoe izd-vo, 1962. 304 p.

BELOUSOV, V. V. [The earth, its structure and development] Zemlia, ee stroenie i razvitie. Moskva, Izd-vo Akad. nauk SSSR, 1963. 150 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

BODNARSKII, M. S. [Dictionary of geographical names] Geografik nomlar lugati. Toshkent, UzSSR "Urta va olii maktab" davlat nashrieti, 1961. 459 p. [In Uzbek]

BRIANOV, V. A. [New traditions and holidays] Novye traditsii i prazdniki. Alma-Ata, 1962. 47 p. (Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Kazakhskoi SSR. Seriia: Kommunisticheskoe vospitanie molodezhi, no. 3)

[BUDAPEST] Budapest. [2., ispr. izd. Budapest] Izd-vo Korvina, 1959. 1 v. (chiefly illus.). (Vengriia v fotosnimkakh)

[COUNTRIES OF NORTH AND NORTHEAST AFRICA; geographical information] Strany Severa i Severo-Vostochnoi Afriki; geograficheskie spravki. Moskva, Geografgiz, 1962. 39 p.
(CStmoR)

DAGYS, ALGIRDAS. [Upper Triassic Brachiopoda of the southern U. S. S. R.] Verkhnetriasovye brakhiopody iuga SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 247 p., illus.

DAVYDOV, V. T. [Kamchatka, a travel album] Kamchatka; putevoi al'bom. Moskva, Sovetskii khudozhnik, 1963. 44 p. illus.

DUBATOLOV, V. N. [Late Silurian and Devonian Tabulata, Heliolitoidea, and Chaetetida in the Kuznetsk Basin] Pozdnesiluriiskie i devonskie tabuliaty, geliolitidy i khetetidy Kuznetskogo basseina. Moskva, Izd-vo Akad. nauk SSSR, 1963. 193 p. 45 plates

EFREMOV, IU. K. [Along the paths of the Black Sea mountains] Tropami gornogo Chernomor'ia. Moskva, Geografgiz, 1963. 403 p.

[FUNDAMENTALS OF PALEONTOLOGY, manual for paleontologists and geologists of the U. S. S. R. in 15 volumes] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v piatnadtsati tomakh. Glav. redaktor IU. A. Orlov. Moskva, Izd-vo Akad. nauk SSSR
[Vol. 14] [Algae, bryophytes, psilophytales, lycopsids, arthrophytes, ferns] Vodorosli, mokhoobraznye, psilofitovye, plaunovidnye, chlenistostebel'nye, paporotniki. Pod. red. V. A. Vakhrameeva, G. P. Radchenko, A. L. Takhtadzhiana. 1963. 697 p.

GEOGRAFICHESKOE OBSHCHESTVO SSSR. [Materials on the Academic session devoted to the 100th anniversary of Academician V. I. Vernadskii's birth] Materialy k Nauchnaia sessii, posviashchennoi 100-letiiu so dnia rozhdeniia akademika V. I. Vernadskogo; soderzhanie dokladov. Leningrad, 1963. 59 p.

[GEOLOGY AND PETROLOGY OF THE YELET'OZERSKIY GABBROID MASSIF IN KARELIA; geology, petrography, petrology, metallogeny] Geologiia i petrologiia Elet'ozerskogo massiva gabbroidnykh porod Karelii; geologiia, petrografiia, petrologiia, metallogeniia. [By] Bogachev, A. I. i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 159 p.

GLUSHCHENKO, I. E. [Countries, meetings, scientists, notes of a biologist] Strany, vstrechi, uchenye; zapiski biologa. Moskva, Izd-vo Akad. nauk SSSR, 1963. 447 p.

GVOZDETSKII, N. A. [The Caucasus; nature study] Kavkaz; ocherk prirody. Moskva, Geografgiz, 1963. 261 p.

GZOVSKII, M. V. [Basic problems in the tectonophysics and tectonics of the Baydzhansay anticline] Osnovnye voprosy tektonofiziki i tektonika Baidzhansaiskogo antiklinoriia. Moskva, Izd-vo Akad. nauk SSSR. [With summary in English]
Pts. 3, 4. 1963. 543 p.

IRKUTSK. UNIVERSITET. [Collection of brief scientific reports of the Faculty of Geology; supplement to the report on research work for 1961] Sbornik kratkikh nauchnykh soobshchenii geologicheskogo fakul'teta; prilozhenie k otchetu o nauchno-issledovatel'skoi rabote za 1961 god. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1962. 78 p.

KOLIADA, I. M. [Through sunny Odessa, a concise guidebook] Po solnechnoi Odesse; kratkii putevoditel' [Odessa] Odesskoe knizhnoe izd-vo, 1963. 127 p.

KONDRAT'EV, O.K., and A.G.GAMBURTSEV. [Seismic research in the coastal part of eastern Antarctica] Seismicheskie issledovaniia v pribrezhnoi chasti Vostochnoi Antarktidy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 187 p.

KOZLOV, P.K. [A Russian traveller in Central Asia] Russkii puteshestvennik v TSentral'noi Azii, izbrannye trudy (k stoletiiu so dnia rozhdeniia, 1863-1963). Moskva, Izd-vo Akad. nauk SSSR, 1963. 522 p.

KRASHENINNIKOV, V.L. [Through the Deccan, Indian impressions] Po Dekanu, indeiskie vpechatleniia. Moskva, Geografizdat, 1963. 263 p. (Puteshestvila, prikliuchenila, fantastika)

KRAVETS', O.M. [M.M.Kotsiubyns'kyi on national customs] Kotsiubyns'kyi pro narodnyi pobyt. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 65 p.

KUDELIN, P.G. [The Moscow environs; a concise manual] Vokrug Moskvy; kratkii spravochnik. Moskva, Moskovskii rabochii, 1963. 238 p.

[LAKE SELIGER] Ozero Seliger. [Kalinin] Kalininskoe oblastnoe knizhnoe izd-vo, n.d.] 25 p. illus.

LEBEDEV, A.V. [Methods for studying the balance of ground waters] Metody izucheniia balansa gruntovykh vod. Moskva, Gosgeoltekhizdat, 1963. 191 p.

LENINGRAD. GOSUDARSTVENNYI GIDROLOGICHESKII INSTITUT. [Bibliography of Soviet literature on continental hydrology, 1951-1955] Ukazatel' sovetskoi literatury po gidrologii sushi, 1951-1955 gg. Leningrad, Gidrometeor. izd-vo, 1962. 330 p. (NN)

LEONOV, I.D. [Hello, Cuba! Two weeks on the island of freedom] Zdravstvui, Kuba! Dve nedeli na ostrove svobody. [Leningrad] Lenizdat, 1963. 86 p.

LEONT'EV, O.K. [Brief course in marine geology] Kratkii kurs morskoi geologii. [Moskva] Izd-vo Mosk. univ. 1963. 463 p.

LIKHTSOV, M. [Along the broad Dnieper; a brief guidebook] Po Dnipru shyrokomu; korotkyi putivnyk. [Cherkasy] Cherkasvydav, 1962. 97 p. illus. (MH)

MEZHVEDOMSTVENNYI STRATIGRAFICHESKII KOMITET. [Problems and rules for the study and description of stratotypes and key stratigraphic cross sections] Zadachi i pravila izucheniia i opisaniia stratotipov i opornykh stratigraficheskikh razrezov. Moskva, Gosgeoltekhizdat, 1963. 26 p.

MOSCOW. UNIVERSITET. [Soviet geography during the period of the building of communism] Sovetskaia geografiia v period stroitel'stva kommunizma. Moskva, Geografgiz, 1963. 486 p.

NABOKO, S.I. [Hydrothermal metamorphism of rocks in volcanic areas] Gidrotermal'nyi metamorfizm porod v vulkanicheskikh oblastiakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 170 p.

OBRUCHEV, V.A. [My journeys through Siberia] Moi puteshestvila po Sibiri. Moskva, Izd-vo Akad. nauk SSSR, 1963. 287 p.

OBRUCHEV, V.A. [Selected works] Izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 5. 1963. 405 p.

ORLOV, IU.L. [Morphology of diamond] Morfologiia almaza. Moskva, Izd-vo Akad. nauk SSSR, 1963. 233 p.

OSOKIN, S.D. [In the depths of the ocean] V puchinakh okeana. Pod nauchn. red. L.A.Zenkevicha. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. XII Seriia: Geologiia i geografiia, no. 17)

PECHENKIN, A.M. [From brigades to a communist labor enterprises] Ot brigad--k predpriiatiiu kommunisticheskogo truda. IAkutsk, IAkutskoe knizhnoe izd-vo, 1963. 39 p.
[MICROFILM]

PESCHANSKII, I.S. [Study of ice and ice technology] Ledovedenie i ledotekhnika. Leningrad, Izd-vo "Morskoi transport," 1963. 345 p.

RABOCHEE SOVESHCHANIE PO IZUCHENIIU KRAEVYKH OBRAZOVANII POKROVNOGO OLEDENENIIA, Tallinn, 1961. [Resolution of the Conference on the Study of Marginal Formations of Continental Ice, organized by the Soviet Section of the International Association on Quaternary Research and the Institute of Geology of the Academy of Sciences of the Estonian S.S.R.] Reshenie. .., organizovannogo Sovetskoi sektsiei INKVA i Institutom geologii Akademii nauk Estonskoi SSR. Tallinn, Akad. nauk Estonskoi SSR, 1961. 11 p.

RABOCHEE SOVESHCHANIE PO IZUCHENIIU KRAEVYKH OBRAZOVANII POKROVNOGO OLEDENENIIA, Tallinn, 1961. [Summaries of the reports of the Conference on the Study of Marginal Formations of Continental Ice, organized by the Soviet Section of the International Association on Quaternary Research and the Institute of Geology of the Academy of Sciences of the Estonian S.S.R.] Tezisy dokladov Rabochego soveshchaniia po izucheniiu kraevykh obrazovanii materikovogo l'da, organizuemogo Sovetskoi sektsiei INKVA i Institutom geologii Akademii nauk Estonskoi SSR. Tallinn, Akad. nauk Estonskoi SSR, 1961. 45 p.

ROZHKOV, I.S., G.P.MIKHALEV, and L.M.ZARETSKII. [Diamond-bearing placers in the Malaya Botuobiya region of western Yakutia, conditions governing their formation, the composition of continental sediments, and genetic types] Almazonosnye rossypi Malo-Botuobinskogo raiona zapadnoi IAkutii; usloviia ikh formirovaniia, sostav kontinental'nykh otlozhenii i geneticheskie tipy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 136 p.

ROZONOVA, E.D. [Lithology and conditions governing the formation of Lower Visean sediments in the Kuznetsk Basin] Litologiia i usloviia obrazovaniia nizhnevizeiskikh otlozhenii Kuznetskogo basseina. Moskva, Izd-vo Akad. nauk SSSR, 1963. 137 p. illus.

SALISHCHEV, K.A. [Accuracy of quantitative determination by special maps] O tochnosti kolichestvennykh opredelenii po spetsial'nym kartam. Moskva, Mosk. gos. univ. 1963. 37 p.

SAMSONOV, V.I., and M.I.IAZHGUR. [Kursk; a guidebook to historical and notable places] Kursk; putevoditel' po istoricheskim i pamiatnym mestam. [Kursk] Kurskoe knizhnoe izd-vo, 1962. 154 p.
[MICROFILM]

SAVEL'EV, B.A. [Manual on the study of the properties of ice] Rukovodstvo po izucheniiu svoistv l'da. [Moskva] Izd-vo Mosk. univ. 1963. 107 p.

SHUL'TS, V.L. [Rivers of Central Asia] Reki Srednei Azii. Leningrad, Gidrometeoizdat.
Pt. 1. 1963. 301 p.

SOKOLOV, B.S., and IU.I.TESAKOV. [Paleozoic Tabulata in Siberia; Ordovician and Silurian Tabulata in the eastern part of Siberia] Tabuliaty paleozoia Sibiri; tabuliaty ordovika i silura vostochnoi chasti Sibiri. Moskva, Izd-vo Akad. nauk SSSR, 1963. 188 p. illus.

[STUDY OF THE GEOLOGY OF THE U.S.S. cheskaia izuchennost' SSSR. Kiev, Izd-vo Ukrainskoi SSR.
Vol. 31. [Ukrainian S.S.R. (western p period 1951-1955] Ukrainskaia S oblasti); period 1951-1955.
No. 1. [Published studies and revie vannye raboty i obzornye glavy.
Vol. 32. [Central and eastern province Ukrainian S.S.R.; period 1951-1 skaia SSR (tsentral'nye i vostoch period 1951-1955.
No. 1. [Published studies] Opubliko raboty. 1963. 328 p.

SYLIN, B.I. [Hello, Ukraine!] Zdrastui, U Kyiv, Derzh. vyd-vo obrazotvorchoho my muzychnoi lit-ry URSR, 1963. 1 v. (chi

TEPLINSKII, M.V. [Sakhalin journeys] Sak puteshestvila. IUzhno-Sakhalinsk, Sakhal knizhnoe izd-vo, 1963. 64 p.
(NIC)

TSYS', P.M. [Geomorphology of the Ukraine] Geomorfologiia URSR. [L'viv] Vyd-vo L'vivs'koho univ. 1962. 223 p. illus. maps.
(NN)

[UL'YANOVSK, THE NATIVE CITY OF V.I. LENIN, notable places] Ul'ianovsk - Rodina V.I. Lenina; pamiatnye mesta. [Ul'ianovsk] Ul'ianovskoe knizhnoe izd-vo, 1963. 220 p.

VASIL'EV, N., and others. [On the trail of the Tunguska catastrophe] Po sledam Tunguskoi katastrofy. [Tomsk] Tomskoe knizhnoe izd-vo, 1960. 157 p.
[MICROFILM]

VOROTNEV, P.S. [Socialist Troitsk] Troitsk sotsialisticheskii. [Chelliabinsk] Chelliabinskoe knizhnoe izd-vo, 1962. 27 p. (Goroda Chelliabinskoi oblasti)
(MIC)

VSESOIUZNOE SOVESHCHANIE PO LITOLOGII I MINERALOGII OSADOCHNYKH POROD, 3d, Baku, 1956. Transactions of the All-Union Conference on Lithology and Sedimentary Rocks] Trudy. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 265 p.
(NJP)

ZAVARITSKII, A.N. [Selected works] Izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 4. 1963. 727 p.

ZONENSHAIN, L.P. [Tectonics of the Western Sayan Mountains] Tektonika Zapadnogo Sntana. Pod red. A.A. Bogdanova. Moskva, Gosgeoltekhizdat, 1963. 116 p.

13. SCIENCE

AFANAS'EV, V.A. [Physical methods for studying the molecular structure of organic compounds] Fizicheskie metody issledovaniia stroeniia molekul organicheskikh soedinenii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 247 p.

AIMANOV, K. [Elements of automation and remote control in a secondary school physics course] Elementy avtomatiki i telemekhaniki v kurse fiziki srednei shkoly, posobie dlia uchitelei. Pod red. N.M.Shakhmaeva. Moskva, Izd-vo APN RSFSR, 1963. 158 p.

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Institut zoologii. [Biology of Mingechaur Reservoir] Biologiia Mingechaurskogo vodokhranilishcha. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 142 p.

AKADEMIIA NAUK SSSR. Aleksandr Abramovich Grinberg. Vstup. stat'ia L.M. Volshtein. Bibliografiia sostavlena G.N. Finashinoi. Moskva, 1963. 56 p. (Materialy k bibliobliografii uchenykh SSSR. Seriia khimicheskikh nauk, no. 32)

AKADEMIIA NAUK SSSR. Nikolai Nikolaevich Andreev. Vstup. stat'ia G.A. Ostroumova. Bibliografiia sost. G.N. Finashinoi. Moskva, 1963. 56 p. (Materialy k biobibliografii uchenykh SSSR. Seriia fiziki no. 14)

AKADEMIIA NAUK SSSR. Institut biologicheskoi fiziki. [Primary and initial processes of the biological effect of radiation] Pervichnye i nachal'nye protsessy biologicheskogo deistviia radiatsii. Moskva, Izd-vo Akad. nauk SSSR, 1963. [illegible]

AK [illegible]

Akad. nauk SSSR. (In Russian with summaries in Russian and English)
No. 5 (Meteorological research) Meteorologicheskie issledovaniia 1963 106 p
No. 6 (Research on the climatology of noctilucent clouds) Issledovaniia po klimatologii serebristykh oblakov. 1963 83 p

AKADEMIIA NAUK SSSR. Vychislitel'nyi tsentr. (Materials on the modernization of the "Ural-1" computer) Sbornik materialov po modernizatsii mashiny "Ural-1" Moskva, 1963 112 p (Its Trudy)

AKADEMIIA NAUK URSR, Kiev. Institut hidrobiologii. (Problems of putrefaction in the bodies of water of the Dnieper basin) Problemy gnieteckhennia vodoim basseinu Dnipra. Kyiv, Vydavnytstvo AN URSR, 1963. 45 p.

AKADEMIIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. Institut psikhologii. (Typological characteristics of higher nervous activity in man) Tipologicheskie osobennosti vysshei nervnoi deiatel'nosti cheloveka. Otvetstvennyi redaktor B. M. Teplov. Moskva, Izd-vo APN RSFSR
Vol. 3. 1963 273 p.

AKHIEZERSKII, B. V., and N. I. KHRALENKO. (A marvel of our times) Chudo nashego vremeni, kibernetika i problemy razvitiia. [Leningrad] Lenizdat, 1963. 137 p.

AKISHIN, A. I. [Ion bombardment in a vacuum] Ionnaia bombardirovka v vakuume. Moskva, Gosenergoizdat, 1963. 143 p.

ALEKHIN, IU. M. [Statistical forecasts in geophysics, dynamic and statistical method for the forecast of geophysical macroprocesses] Statisticheskie prognozy v geofizike; dinamiko-statisticheskii metod prognoza geofizicheskikh makroprotsessov. [Leningrad] Izd-vo Leningr. univ., 1963. 84 p.

[ANALYTICAL CHEMISTRY, principles of quantitative analysis] Analiticheskaia khimiia, osnovy metodov kolichestvennogo analiza. Posobie k laboratornym zaniatiam dlia studentov vsekh spetsial'nostei fiziko-metallurgicheskogo fakul'teta. [By] A. S. Andreev i dr. Leningrad, Leningr. politekhnicheskii in-t, 1962. 173 p.

ANDREEVA, N. A. [Vitamins of the folic acid group, their nature, functions, uses] Vitaminy gruppy folievoi kisloty, priroda, funktsii, primenenie. Moskva, Izd-vo Akad. nauk SSSR, 1963. 65 p.

ANIKIN, A. G., and G. M. DUGACHEVA. [Determination of the purity of organic substances] Opredelenie chistoty organicheskikh veshchestv. Otvetstvennye redaktory IA. I. Gerasimov, A. F. Plate. [Moskva] Izd-vo Mosk. univ., 1963. 147 p.

ASKALONOV, S. P. [Edible and poisonous mushrooms] Iistivni ta otrutni hryby. Kyiv, Derzhsil'hospvydav URSR, 1963. 41 p. illus.

AZERNIKOV, V. Z. [Decoded code] Razgadannyi kod. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. X Seriia. Molodezhnaia, no. 15)

BABIKOV, V. V. [Resonance model of NN-interactions and its application to the nucleus] Rezonanskaia model' NN-vzaimodeistvii i ee prilozhenie k iadru. Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1962. 12 p.
[MICROFILM]

BAKHVALOV, S. V., L. I. BABUSHKIN, and V. P. IVANITSKAIA. [Analytic geometry] Analiticheskaia geometriia, uchebnik dlia pedagogicheskikh institutov. Pod red. S. V. Bakhvalova. Izd. 2., perer. Moskva, Uchpedgiz, 1962. 367 p.

BARANENKOV, G. S., and others. [Problems and exercises in mathematical analysis] Zadachi i uprazhneniia po matematicheskomu analizu dlia vtuzov. Pod red. B. P. Demidovicha. Izd. 4., ispr. Moskva, Fizmatgiz, 1963. 472 p.

BARASHENKOV, V. S., and I. PATERA. [Cross sections of antinucleon production] Sechenila rozhdenlia antinuklonov. Dubna, 1962. 12 p. [With summary in English]
[MICROFILM]

BAZYKIN, V. V., and I. F. SHEVLIAKOV. [Methods for using visual aids in astronomy] Metodika ispol'zovaniia nagliadnykh posobii po astronomii. Moskva, Izd-vo "Znanie," 1963. 37 p. (V pomoshch' lektoru)

BELIAKOV, V. A., and others. [Production of Λ-hyperons and K^0-mesons in π^- p-interactions at an energy of 7-8 Bev.] Issledovanie protsessov rozhdeniia Λ-giperonov i K^0-mezonov v π^- p-vzaimodeistviiakh pri energii 7-8 Bev. [n. p. n. d.] 26 p.
[MICROFILM]

BELIAKOV, V. A., and others. [Properties of π^0-mesons produced together with strange particles in π^--p and π^--c-interactions] Izuchenie svoistv π^0-mezonov, rozhdaiushchikhsia so strannymi shastitsami v π^--p i π^--c vzaimodeistviiakh. Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1962. 10 p.
[MICROFILM]

BOEV, S. N., I. B. SOKOLOVA, and V. IA. PANIN. (Helminths of Ungulata in Kazakhstan in two volumes) Gel'minty kopytnykh zhivotnykh Kazakhstana v dvukh tomakh. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR.
Vol. 2. 1963 535 p.

BOIARCHENKO, I. KH. [To the depths of the universe] V hlybyny Vsesvitu. Kyiv, Radians'ka shkola', 1963. 147 p.

BORISOV, VLADIMIR. [The riddle of gravitation] Zagadka tiagoteniia. Moskva, Izd-vo "Znanie," 1963. 36 p. (Narodnyi universitet kul'tury. Estestvennonauchnyi fakul'tet, no. 10)

BUDAGOV, IU. A., and others. [Gas hydrodynamic design of the mechanism of pressure variation in a large-scale bubble chamber] Gidrogazodinamicheskii raschet mekhanizma izmeneniia davleniia bol'shoi puzyr'kovoi kamery. Dubna, Izd-vo Ob"edinennyi in-t iadernykh issledovanii, 1963. 18 p. (With summary in English)

CHICHIBABIN, A. E. [Basic principles of organic chemistry] Osnovnye nachala organicheskoi khimii. Izd. 7. Pod red. P. G. Sergeeva i A. L. Libermana. Moskva, Goskhimizdat.
Vol. 1. 1963 910 p.

DAKATS'IAN, U. V. [Testing students' knowledge of mathematics] Proverka znanii uchashchikhsia po matematike. Moskva, Izd-vo APN RSFSR, 1963. 87 p. (Pedagogicheskaia biblioteka uchitelia)

DEMIDOVA, A. M. [Sleep and dreams] Son i snovidenila. Moskva, Medgiz, 1963. 29 p. (Nauchno-populiarnaia meditsinskaia literatura)

DEMIDOVICH, B. P., I. A. MARON, and E. Z. SHUVALOVA. [Numerical methods of analysis; approximation of functions, differential and integral equations] Chislennye metody analiza; priblizhenie funktsii, differentsial'nye i integral'nye uravneniia. Pod red. B. P. Demidovicha. Izd. 2., ispr. i dop. Moskva, Fizmatgiz, 1963. 400 p.

DEPENCHUK, N. P. [Symmetry and asymmetry in living nature] Simmetriia i asimmetriia v zhivoi prirode. Kiev, Izd-vo Akad. nauk USSR, 1963. 174 p.

DNEPROPETROVSK. INZHENERNO-STROITEL'NYI INSTITUT. [Papers published by the Physics Department] Sbornik nauchnykh trudov kafedry fiziki. Dnepropetrovsk.
No. 7. 1960. 48 p.

DOROSHKEVICH, A. M., comp. [Textbook on dynamics] Uchebnoe posobie po dinamike. Moskva, Mosk. poligr. in-t, 1962. 159 p.

EFIMOV, V. N. [Interaction of resonance neutrons with aligned nuclei] Vzaimodeistvie rezonansnykh neitronov s vystroennymi iadrami. Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1963. 13 p. [With summary in English in insert]

EGOROV, IU. A. [Scintillation method of gamma-ray and fast-neutron spectrometry] Stsintillitatsionnyi metod spektrometrii gamma-izlucheniia i bystrykh neitronov. Moskva, Gosatomizdat, 1963. 304 p.

EMME, A. M. [The clock of living nature] Chasy zhivoi prirody. Moskva, Izd-vo "Sovetskaia Rossiia," 1962. 149 p.

EVSIN, A. D. [Organization of scientific research work in chemistry in the German Federal Republic] Organizatsiia nauchno-issledovatel'skikh rabot v oblasti khimii v FRG. Moskva, Vses. in-t nauchn. i tekhn. informatsii, 1963. 83 p.

FADDEEV, D. K., and V. N. FADDEEVA. [Computational methods in linear algebra] Vychislitel'nye metody linelnoi algebry. Izd. 2., dop. Moskva, Fizmatgiz, 1963. 734 p.

FAINSHTEIN, D. L. [Use of geometric tools in descriptive problems in descriptive geometry] Primenenie geometricheskikh mest v reshenilakh zadach nachertatel'noi geometrii, ukazannye posobie po kursu "Nachertatel'naia geometriia." Leningrad, Leningr. inzh.-stroit. in-t im. M. I. Kalinina, 1962. 37 p.

FEDOROV, M. V. [Microbiology] Mikrobiologiia. Pod red. E. N. Mishustina. Moskva, Sel'khozizdat, 1963. 447 p.

FLOROV, G. N., and V. A. KARIAKIN. [Effect of large angular momenta in nuclear reactions] Effekt bol'shikh uglovykh momentov v iadernykh reaktsiiakh s tiazhelymi ionami, doklad, predstavlennyi na Mezhdunarodnyi simpozium po prirode deistviiam i mekhanizmam iadernykh reaktsii. Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1962. 14 p. [With summary in English]
[MICROFILM]

[FOR YOU, TOURISTS! HOW TO CONDUCT OBSERVATIONS OF NATURE DURING A TRIP] Vam, turisty! Kak provodit' nabliudenila nad prirodoi v puteshestvii. Izd. 2., perer. i dop. [By] A. F. Davydov i dr. [Leningrad] Lenizdat, 1963. 280 p.

FRISH, S. E. [Optical atomic spectra] Opticheskie spektry atomov. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1963. 640 p.

FUKS, B. A. [Theory of analytic functions of several complex variables] Teoriia analiticheskikh funktsii mnogikh kompleksnykh peremennykh. Izd. 2., perer. i dop. Moskva, Fizmatgiz.
[Vol. 2] [Special chapters on the theory of analytic functions of several complex variables] Spetsial'nye glavy teorii analiticheskikh funktsii mnogikh kompleksnykh peremennykh. 1963. 427 p.

GAINIEV, S. S. [Vertebrates of Ul'yanovsk Province] Pozvonochnye zhivotnye Ul'ianovskoi oblasti. Ulianovsk, Gos. pedagog. in-t, 1959. 74 p.
[MICROFILM]

GEILIKMAN, B. O., and K. A. AIRUMIAN. [Parasitic fauna of the Khosrov region] Parazitofauna Khosrovskogo zapovednika. Erevan, Izd-vo Glav. upr. sel'skoz. nauk Ministerstva sel'skogo khoziaistva Armianskoi SSR, 1959. 81 p.
[MICROFILM]

GERSHMAN, D. M., and V. A. GUBANOV. [Increase in sensitivity in the spectral determination of elements] Povyshenie chuvstvitel'nosti spektral'nogo analiza elementov. Leningrad, 1963. 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Za peredovuiu Kontrol' kachestva produktsii, no. 3.)

GLORIOZOV, P. A. [Forming skills and habits in the teaching of chemistry] Formirovanie umenii i navykov v protsesse obucheniia khimii. Izd. 2. Moskva, Uchpedgiz, 1963. 60 p.

GNUCHEV, V. N. [Briefly on programming] Kratko o programmirovanii. Moskva, Mosk. gos. zaochn. in-t, 1959. 9 p.
[MICROFILM]

GOL'DANSKII, V. I. [Mossbauer effect and its application in chemistry] Effekt Mossbauera i ego primenenila v khimii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 81 p.

GRACHEVA, M. S. [Brief morphological description of the vegetative nervous system] Kratkoe opisanie morfologii vegetativnoi nervnoi sistemy. Moskva, Pervyi Mosk. med. in-t, 1963. 11 p.

GRIBOV, L. A. [Theory of intensity in the infrared spectra of polyatomic molecules] Teoriia intensivnosti v infrakrasnykh spektrakh mnogoatomnykh molekul. Moskva, Izd-vo Akad. nauk SSSR, 1963. 151 p.

GRUSHINSKAIA, N. K. [Textbook for solving problems in descriptive geometry] Posobie k resheniia zadach po nachertatel'noi geometrii. [Kiev] Izd-vo Kievsk. univ., 1963. 82 p.

GULISASHVILI, A. A. [Point, straight line, plane] Tochka, priamaia, ploskost'. Tbilisi, Izd-vo Gruzinskogo politekhn. in-ta, 1959. 110 p.
[MICROFILM]

GUSAK, A. A., and others. [Problems in differential geometry] Sbornik zadach po differentsial'noi geometrii. Pod obshchei red. L. K. Tutaeva, Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 106 p.

GUSHCHIN, G. P. [Study of atmospheric ozone] Issledovanie atmosfernogo ozona. Leningrad, Gidrometeoizdat, 1963. 266 p.

KARAPET'IANTS, M. KH., and S. I. DRAKIN, eds. [Laboratory work in general and inorganic chemistry] Praktikum po obshchei i neorganicheskoi khimii. [By] A. A. Kudriavtsev i dr. Moskva, Mosk. khimiko-tekhnologicheskii in-t im. D. I. Mendeleeva.
Pt. 2. [Work in the chemistry of elements] Raboty po khimii elementov. 1963. 122 p.

KARPELEVICH, F. I., and L. E. SADOVSKII. [Elements of linear algebra and linear programming] Elementy lineinoi algebry i lineinogo programmirovaniia. Moskva, Fizmatgiz, 1963. 274 p. (Izbrannye glavy vysshei matematiki dlia inzhenerov i studentov vtuzov)

KARUZINA, I. P. [Textbook of biology] Uchebnik biologii. Moskva, Medgiz, 1963. 331 p.

KATSNEL'SON, Z. S., and I. D. RIKHTER. [Laboratory manual on histology and embryology] Praktikum po gistologii i embriologii. Leningrad, Medgiz, 1963. 279 p.

KHRUSHCHOV, G. K. [Achievements of Soviet biological science] Dostizhenila sovetskoi biologicheskoi nauki. Moskva, Goskul'tprosvetizdat, 1954. 91 p. (Bibliotechka v pomoshch' lektoru, no. 19)

KOCHIN, N. E., I. A. KIBEL', and N. V. ROZE. [Theoretical hydromechanics] Teoreticheskaia gidromekhanika. Pod red. I. A. Kibelia. Moskva, Fizmatgiz.
Pt. 1. Izd. 6., ispr. i dop. 1963. 583 p.
Pt. 2. Izd. 4., perer. i dop. 1963. 727 p.

KONFERENTSIIA PO VOPROSAM STROENIIA I REAKTSIONNOI SPOSOBNOSTI ATSETALEI, 1961. [Transactions of the Conference on the Structure and Reactivity of Acetals, held on Sept. 9-14, 1961] Trudy Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 98 p.

KONOPLEVA, V. P. [Planet Venus] Planeta Venera. Kiev, Izd-vo Akad. nauk USSR, 1963. 69 p. (Nauchno-populiarnaia literatura)

KOTLIAR, I. V. [Heat diagram for air and combustion products] Teplovaia diagramma dlia vozdukha i produktov sgoraniia. Izd. 2., perer. Pod red. IA. I. Shnee. Moskva, Mashgiz, 1963. 12 p. diagr.

KOZHOV, M. M. [Baikal and its life] Baikal i ego zhizn'. Izd. 4., ispr. Irkutsk, Irkutskoe knizhnoe izd-vo, 1963. 97 p. (Nauchno-populiarnaia biblioteka)

KOZLOV, P. V., ed. [Adhesion of polymers] Adgeziia polimerov, sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 142 p.

KRAIUKHIN, B. V. [Physiology of digestion of freshwater bony fishes] Fiziologiia pishchevareniia presnovodnykh kostistykh ryb. Moskva, Izd-vo Akad. nauk SSSR, 1963. 137 p.

KRAVCHINSKII, B. D. [Physiology of the water-salt metabolism of body fluids] Fiziologiia vodno-solevogo obmena zhidkostei tela. Leningrad, Medgiz, 1963. 310 p.

KRULIKOVSKII, N. N. [Collection of problems on mathematics for preparation for entrance examinations] Sbornik zadach po matematike dlia podgotovki k priemnym ekzamenam. Izd. 2., perer. Tomsk, Izd-vo Tomskogo univ., 1963. 74 p.

KRYLOV, P. N. [Flora of Western Siberia, a manual for the identification of West Siberian plants] Flora Zapadnoi Sibiri, rukovodstvo k opredeleniiu zapadnosibirskikh rastenii. Tomsk, Izd-vo Tomskogo univ. Vol. 12 [(Supplement)] (Dopolnitel'nyi).
Pt. 1. Sost. L. P. Sergievskaia. 1961. [307 t.] - 3255.

KUMPF, G., and V. A. KARNAUKHOV. [Characteristics of the decay of dysprosium compound nuclei with high angular momentum] Osobennosti raspada soslavnykh iader disprozlia s vysokim uglovym momentom. Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1963. 13 p. [With summary in English in insert]

KUPERMAN, F. M. [Physiologicomorphologic variability of plants in ontogenesis, a lecture from the course "Biology of plant development"] Morfofiziologicheskaia izmenchivost' rastenii v ontogeneze, lektsiia iz kursa "Biologiia razvitiia rastenii." [Moskva] Izd-vo Mosk. univ., 1963. 63 p.

KURNAKOV, N. S. [Selected works] Izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 3. 1963. 567 p.

KUZNETSOV, A. P. [Bottom invertebrates of the Kamchatka waters of the Pacific Ocean and the northern Kurile Islands] Fauna donnykh bespozvonochnykh Prikamchatskikh vod Tikhogo okeana i severnykh Kuril'skikh ostrovov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 268 p. [With summary in English]

[JOURNEY INTO THE LAND OF THE ELEMENTS] Puteshestvie v stranu elementov. [By] L. Bobrov i dr. [Moskva] "Molodaia gvardiia," 1963. 366 p.

LATYSHEVA, T. S. [Programming and problem solving on two-address machines] Programmirovanie i reshenie zadach na dvukhadresnykh mashinakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 182 p.

LEBEDEV, K. B. [Rhenium] Renii. 2 izd., perer. i dop. Moskva, Metallurgizdat, 1963. 207 p.

LIAPUNOV, A. M. [Investigation of a particular case of the problem of stability of motion] Issledovanie odnogo iz osobennykh sluchaev zadachi o ustoichivosti dvizheniia. [Leningrad] Izd-vo Leningr. univ., 1963. 115 p.

LIETUVOS TSR ZOOLOGU KONFERENCIJA, 2d. [Summaries of reports of the Second Zoological Conference of the Lithuanian S. S. R.] Tezisy dokladov. Vilnius, Akad. nauk Litovskoi SSR, 1962. 157 p.

LUK'IANOV, V. B. [Measurement and identification of beta-radioactive preparations] Izmerenie i identifikatsiia beta-radioaktivnykh preparatov. Moskva, Gosatomizdat, 1963. 166 p.

MAGARIK, V. K., and N. M. NAGORNYI. [Instruction system of the universal automatic digital computer BESM-2 of the Computer Center of the Academy of Sciences of the U. S. S. R.] Sistema komand universal'noi tsifrovoi avtomaticheskoi mashiny BESM-2 Vychislitel'nogo tsentra AN SSSR. Izd. 3., ispr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 89 p. (Standartnye i tipovye programmy BESM-2)

MAKAROVA, M. G., V. F. DUDIN, and IU. A. LOPATINA. [Physics] Fizika; uchebno-metodicheskoe posobie i rukovodstvo po kursu fiziki dlia slushatelei podgotovitel'nykh kursov pri Groznenskom neftianom institute. Pod red. V. F. Dudina. Groznyi, Groznenskii neftianoi in-t.
Pt. 1. [Mechanics, vibrations, and waves. Sound. Liquids and gases. Fundamentals of molecular-kinetic theory. Heat] Mekhanika, kolebaniia i volny. Zvuk. Zhidkosti i gazy. Osnovy molekuliarno-kineticheskoi teorii. Teplota. 1963. 107 p.
[MICROFILM]

MEISEL', M. N., ed. [Functional morphology of the cell. Translations] Funktsional'naia morfologiia kletki; sbornik statei. Moskva, Izd-vo inostr. lit-ry, 1963. 421 p. [Preface by M. N. Meisel']

MERKUR'EVA, E. K. [Principles of biometry] Osnovy biometrii; uchebnoe posobie dlia biologicheskikh fakul'tetov gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. univ. 1963. 236 p.

MIASNIKOV, L. L. [The inaudible sound] Zvuk. Leningrad, Sudpromgiz, 1963. 11[illegible]

MORO, M. I. [Independent work of students in tary arithmetic classes] Samostoiatel'na uchashchikhsia na urokakh arifmetiki v n klassakh. Moskva, Izd-vo APN RSFSR, (Pedagogicheskaia biblioteka uchitelia)

MOSCOW. MOSKOVSKII INSTITUT RADIOE I GORNOI ELEKTROMEKHANIKI. Kafedr [Problems in physics] Sbornik zadach po Izd. 2., perer. Moskva, 1963. 113 p.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEI SKII I KONSTRUKTORSKII INSTITUT KHI SKOGO MASHINOSTROENIIA. [Centrifug and handbook] TSentrifugi, katalog-sprav Izd. 2., perer. i dop. Moskva, Mashgiz,

NATANSON, I. P. [Short course of higher Kratkii kurs vysshei matematiki. Moskva 1963. 740 p.

NAUCHNYI SOVET PO PROBLEME "VNUTRENNIAIA ORGANIZATSIIA I ENERGETIKA FIZIOLOGICHESKIKH PROTSESSOV U RASTENII KAK OSNOVA IKH PRODUKTIVNOSTI." [Basic prospective trends in the study of plant physiology] Osnovnye perspektivnye napravleniia issledovanii po fiziologii rastenii. Moskva, 1962. 47 p.
[MICROFILM]

ODESSA. UNIVERSYTET. [Scientific yearbook of Odessa University] Nauchnyi ezhegodnik. Odessa.
No. 2. [Faculty of Physics and Mathematics and the Research Institute of Physics] Fiziko-matematicheskii fakul'tet i Nauchno-issledovatel'skii institut fiziki. 1961. 107 p.

OGANESIAN, IU. TS., and others. [Gamma radiation of high-spin nuclei] Γ-izluchenie iader s vysokim spinom. Dubna, 1962. 13 p. [With summary in English]
[MICROFILM]

ONISHCHENKO, A. S. [Diene synthesis] Dienovyi sintez. Moskva, Izd-vo Akad. nauk SSSR, 1963. 640 p.

PANFILOVA, T. S., and N. I. GAPONENKO. [Mycoflora of the Angren River basin] Mikoflora basseina r. Angren. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1963. 207 p.

PARKHOMENKO, G. M. [Work hygiene in handling polonium] Gigiena truda pri rabote s poloniem. [Moskva] Gosatomizdat, 1963. 50 p.

PAVLOVSKII, E. N. [Papers on experimental parasitology] Raboty po eksperimental'noi parazitologii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 273 p. [With summaries in German and English]

PERYSHKIN, A. V., ed. [Methodology of teaching physics in eight-year schools] Metodika prepodavaniia fiziki v vos'miletnei shkole; posobie dlia uchitelei i studentov pedvuzov. [By] A. V. Peryshkin, i dr. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 317 p.

PETRAKOV, A. G., comp. [Mathematical problems offered on the entrance examinations to the Moscow Physics and Engineering Institute] Zadachi po matematike, predlagavshiesia na priemnykh ispytaniiakh v MIFI. Moskva, Izd-vo Mosk. inzhenerno-fizicheskogo in-ta, 1963. 46 p.
[MICROFILM]

POPOVSKII, M. A. [Swept cobweb] Razorvannaia pautina. Moskva, Izd-vo "Sovetskaia Rossiia," 1963. 131 p. (Gordost' sel'skokhoziaistvennoi nauki)

POVKH, I. L. [Aerodynamics, a manual for laboratory work] Aerodinamika, uchebnoe posobie k laboratornym rabotam. Leningrad, Leningr. politekhnicheskii in-t, 1962. 126 p.

PROKOF'EVA-BEL'GOVSKAIA, A. A. [Structure and development of actinomycetes] Stroenie i razvitie aktinomitsetov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 276 p.

PROSHKINA-LAVRENKO, A. I. [Diatom algae of the benthos of the Black Sea] Diatomovye vodorosli bentosa Chernogo morlia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 243 p.

RAFIKOV, S. R., S. A. PAVLOVA, and I. I. TVERDOKHLEBOVA. [Methods for determining the molecular

SARANCHINA, G. M. [Fedorov's method] Fedorovskii metod. 2. izd. [Leningrad] Izd-vo Leningr. univ., 1963. 152 p.

SAULIT, V. R., and V. IU. PADALKO. [How to prepare for the entrance tests to a school of higher education, physics] Kak gotovit'sia k priemnym ekzamenam v vuz, fizika. 2 ispr. izd. [Leningrad] Izd-vo Leningr. univ. 1963. 286 p.

SEDOV, A. I. [Radioactive substances] Radioaktivnye veshchestva. Moskva, Voenizdat, 1963. 49 p. (Nauchno-populiarnaia biblioteka voennogo izdatel'stva)

SEMENOV-TIAN-SHANSKII, O. I. [Lapland State Preserve, a popular scientific sketch] Laplandskii gosudarstvennyi zapovednik, nauchno-populiarnyi ocherk. [Murmansk] Murmanskoe knizhnoe izd-vo, 1960. 134 p.
[MICROFILM]

SERDIUKOVA, G. V. [Guide to the genera of Ixodidae of the U. S. S. R.] Opredelitel' rodov iksodovykh kleshchei fauny SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 18 p.

SHCHEGLOV, P. V. [Electronic telescopy] Elektronnaia teleskopiia. Moskva, Fizmatgiz, 1963. 194 p.

SIMPOZIUM PO PROBLEME NASLEDSTVENNOSTI I IZMENCHIVOSTI MIKROORGANIZMOV. Moscow, 1962. [Genetics of micro-organisms] Genetika mikroorganizmov, trudy. Pod red. V. D. Timakova. Moskva, Medgiz, 1963. 370 p.

SLOBODCHIKOV, D. A., ed. [Geodesy] Geodeziia. [By] A. I. Bulanov i dr. Moskva, Izd-vo Geodezicheskoi lit-ry.
Pt. 1. 1962. 315 p.
[MICROFILM]

SMORODINSKII, IA. A. [Kinematics and Lobachevskii geometry] Kinematika i geometriia Lobachevskogo. [Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1962] 21 p. [With summary in English]
[MICROFILM]

SOKOLOV, V. A. [I^{132}, the short-lived iodine isotope] Korotkozhivushchii izotop ioda—I^{132}. Moskva, Gosatomizdat, 1963. 21 p.

SOLOV'EV, L. D. [Dispersion relations in quantum electrodynamics] O dispersionnykh sootnosheniiakh v kvantovoi elektrodinamike. Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1962. 7 p.
[MICROFILM]

STEPANOV, B. I., and V. P. GRIBKOVSKII. [Introduction to the theory of luminescence] Vvedenie v teoriiu liuminestsentsii. Minsk, Izd-vo Akad. nauk BSSR, 1963. 442 p. diagrs.
(NN)

STRAUTMAN, E. I. [Muskrats in Kazakhstan] Ondatra v Kazakhstane. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 229 p.

TIMOFEEV, M. P. [Meteorological conditions over bodies of water] Meteorologicheskii rezhim vodoemov. Leningrad, Gidrometeoizdat, 1963. 200 p.

TRANKOVSKII, D. A., ed. [Laboratory manual on plant anatomy] Praktikum po anatomii rastenii. [By] R. P. Barykina i dr. [n. p.] Rosvuzizdat, 1963. 183 p.

TURDAKOV, F. A. [Fishes of Kirghizia] Ryby Kirgizii. Izd. 2. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 282 p.

TUROV, E. A. [Physical properties of magnetically ordered crystals; phenomenological theory of spin waves in ferromagnetics and antiferro-

VLEDUTS, G. E. [Scientific information problems in the field of chemistry] Nekotorye voprosy nauchnoi informatsii v oblasti khimii. Moskva, Izd-vo Akad. nauk SSSR.
No. 1. [Ways of improving the systematization of chemical indexes] O putiakh usovershenstvovaniia sistematiki khimicheskikh ukazatelei. 1958. 77 p. (Materialy po nauchnoi i tekhnicheskoi informatsii)

VSESOIUZNAIA MEZHVUZOVSKAIA KONFERENTSIIA PO TEORII KVANTOVYKH POLEI I ELEMENTARNYKH CHASTITS, 2d, Uzhgorod, 1960. [Program and abstracts of papers read at the All-Union Interuniversity Conference on Quantum Field Theory and Elementary Particles] Programma i tezisy dokladov. Uzhgorod, Uzhgorodskii gos. univ., [1960]. 70 p.

VSESOIUZNAIA MEZHVUZOVSKAIA KONFERENTSIIA PO TEORII KVANTOVANNYKH POLEI I ELEMENTARNYKH CHASTITS, 3d, Uzhgorod, 1961. [Program and abstracts of papers read at the All-Union Interuniversity Conference on Quantum Field Theory and Elementary Particles] Programma i tezisy dokladov. Posviashchaetsia 22 s"ezdu KPSS. Uzhgorod, Uzhgorodskii gos. univ., [1961] 117 p.

VSESOIUZNOE ASTRONOMO-GEODEZICHESKOE OBSHCHESTVO. S"ezd, Kiev, 1960. [Resolutions of the Congress of the All-Union Astronomical and Geodetical Society] Rezoliutsii. Moscow, 1960. 15 p.
(DN-Ob)

VSESOIUZNOE NAUCHNOE METEOROLOGICHESKOE SOVESHCHANIE, 1st, Leningrad, 1961. [Transactions of the All-Union Scientific Meteorological Conference] Trudy. Leningrad, Gidrometeoizdat.
Vol. 3. [Section on synoptic meteorology] Sektsiia sinopticheskoi meteorologii. Pod red. V. A. Bugaeva i T. V. Pokrovskoi. 1963. 353 p.
Vol. 5. [Section on the physics of the free atmosphere] Sektsiia fiziki svobodnoi atmosfery. Pod red. V. IA. Nikandrova. 1963. 338 p.
Vol. 6. [Section on actinometry and atmospheric optics] Sektsiia aktinometrii i atmosfernoi optiki. Pod red. K. S. Shifrina. 1963. 386 p.
Vol. 8. [Section on agricultural meteorology] Sektsiia agrometeorologii. Pod red. I. A. Gol'tsberg. 1963. 306 p.

VSESOIUZNOE NAUCHNOE OBSHCHESTVO ANATOMOV, GISTOLOGOV I EMBRIOLOGOV. [Statute of the All-Union Scientific Society of Anatomists, Histologists and Embryologists] Ustav. Moskva, 1959. 9 p.
[MICROFILM]

VSESOIUZNOE SOVESHCHANIE PO TEPLO- I MASSOOBMENU, 1st, Minsk, 1961. [Heat and mass transfer] Teplo-i massoperenos. Pod obshchei red. A. V. Lykova i B. M. Smol'skogo. Minsk, Izd-vo Akad. nauk BSSR.
Vol. 1. [Thermophysical characteristics of materials and methods for their determination] Teplofizicheskie kharakteristiki materialov i metody opredeleniia. 1962. 216 p.
Vol. 5. [Methods for calculating and modeling heat-and mass-transfer processes] Metody rascheta i modelirovaniia protsessov teplo- i massoobmena. 1963. 471 p.

ZAKHAR'EV, B. N. [Widths of neutron resonances] O shirinakh neitronnykh rezonansov. Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1962. 8 p.
[MICROFILM]

ZEROVA, M. IA. [Edible and poisonous mushrooms of the Ukraine] Iistivni ta otruini hryby Ukrainy. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 200 p. (Akademiia nauk Ukrains'koi RSR. Seriia naukovo-populiarnoi literatury)

ZHONGOLOVICH, I. D., and T. B. SABANINA. [Five-place tables of natural values of tan $\frac{x}{2}$ and tan$^2\frac{x}{2}$]
Tablitsy natural'nykh znachenii tg $\frac{x}{2}$ i tg$^2\frac{x}{2}$ s
si tsiframi. Moskva, Izd-vo Akad.
33 p.

P. SHAL'NOV. [Problems in
fizike; posobie dlia samoobrazo-
tva, Gos. izd-vo fiziko-mate-
71 p.

and I. N. SILIN. [Phase analy-
iffering at 660 Mev] Fazovyi
-rasseianiia pri 660 Mev. Dub-
iadernykh issledovanii, 1962.

[MICROFILM]

14. MEDICINE

ABRAMOVA, M. M. [Atlas of hysterosalpingography] Atlas gisterosal'pingografii. Moskva, Medgiz, 1963. 124 p.
(DNLM)

AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow. [Problems in the pathology of infectious diseases and immunology] Voprosy infektsionnoi patologii i immunologii. Pod red. P. F. Zdrodovskogo. Moskva, Medgiz, 1963. 227 p.
(DNLM)

AKADEMIIA NAUK SSSR. Laboratoriia neiro-gumoral'noi regulitatsii. [Physiology and pathology of the diencephalic region of the brain] Fiziologiia i patologiia dientsefal'noi oblasti golovnogo mozga. Moskva, Izd-vo Akad. nauk SSSR, 1963. 506 p. [With summaries in English]
(DNLM)

ALEKSANDROVSKII, IU. A., V. V. BORINEVICH, and M. G. SHCHIRINA. [Psychopharmacological preparations] Psikhofarmakologicheskie preparaty; spravochnye materialy. Moskva, Gos. nauchno-issl. in-t psikhiatrii, 1962. 14 p.
(DNLM)

AMIROV, R. O. [Increasing the resistance of the body to the action of toxic substances] Povyshenie ustoichivosti organizma k deistviiu toksicheskikh veshchestv, eksperimental'noe issledovanie. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 95 p.
(DNLM)

ANDREEVA-GALANINA, E. TS., and V. G. ARTAMONOVA. [Expertise on work capacity in vibration disease] Ekspertiza trudosposobnosti pri vibratsionnoi bolezni. Leningrad, Medgiz, 1963. 177 p. (Biblioteka prakticheskogo vracha)
(DNLM)

BAIROV, G. A. [Urgent surgery on newborn infants] Neotlozhnaia khirurgiia novorozhdennykh. Leningrad, Medgiz, 1963. 221 p.
(DNLM)

BARADULINA, M. G. [Clinical aspects and treatment of regional metastases in laryngeal cancer] Klinika i lechenie regional'nykh metastazov raka gortani. Moskva, Medgiz, 1963. 166 p.
(DNLM)

BEKLEMISHEV, N. D. [Cortisone and its derivatives in the clinic] Kortizon i ego proizvodnye v klinike. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 821 p.
(DNLM)

BELEN'KII, M. L. [Elements of the quantitative evaluation of a pharmacological effect] Elementy kolichestvennoi otsenki farmakologicheskogo effekta. 2. izd., perer. i dop. Leningrad, Medgiz, 1963. 148 p.
(DNLM)

DEMIN, V. N. [Malignant tumors; contemporary methods of treatment and prevention] Zlokachestvennye opukholi; sovremennye metody lecheniia i profilaktika. Leningrad, Medgiz, 1960. 30 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

FREIDLIN, S. IA. [Prevention of traumatism and the organization of traumatological aid] Profilaktika travmatizma i organizatsiia travmatologicheskoi pomoshchi. 2. izd., ispr. i dop. Leningrad, Medgiz, 1963. 208 p.
(DNLM)

GENES, S. G. [Diabetes mellitus] Sakharnyi diabet. Izd. 5., perer. i dop. Moskva, Medgiz, 1963. 377 p.
(DNLM)

GRAMENITSKII, E. M. [Vital staining of cells and tissues under normal conditions and in pathology] Prizhiznennaia okraska kletok i tkanei v norme i patologii. Leningrad, Medgiz, 1963. 149 p.
(DNLM)

GRIGORENKO, R. V., V. G. KOSHAEVA, and E. G. SHAVERDIAN. [Reader on medicine for foreign students] Kniga dlia chteniia po meditsine dlia studentov inostrantsev; uchebnoe posobie. Obshchaia red. R. V. Grigorenko. Moskva, Medgiz, 1963. 303 p.

GRIGOR'EV, N. N., and S. S. SEVERINOV. [The resort of Yevpatoriya; therapy and rest at the resort of Yevpatoriya] Kurort Evpatoriia; lechenie i otdykh na Evpatoriiskom kurorte. Simferopol', Krymizdat, 1963. 130 p.
(DNLM)

UREVICH, L. M. [Chronic colitis] Khronicheskie kolity. Leningrad, Medgiz, 1963. 39 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

OGOVAIA NAUCHNAIA KONFERENTSIIA PO PRIRODNOOCHAGOVYM BOLEZNIAM, 1963. [Materials of the Summary Scientific Conference on Natural Foci Diseases] Materialy . Tiumen', Tiumenskoe knizhnoe izd-vo, 1963. 220 p.
[DNLM MICROFILM]

\GAN, IU.S. [Toxicity of phosphorus organic insecticides and work hygiene in their use] Toksikologiia fosfororganicheskikh insektitsidov i gigiena truda pri ikh primenenii. Moskva, Medgiz, 1963. 324 p.
(DNLM)

ARKOV. DERZHAVNA NAUKOVA MEDYCHNA BIBLIOTEKA. [Alcoholism and its control, a brief bibliographic index] Alkogolizm i bor'ba s nim; kratkii bibliograficheskii ukazatel'. Khar'kov, 1959. 25 p.
[MICROFILM]

ZHEVNIKOV, V.A., and R.M. MESHCHERSKII. [Current methods of analyzing the electroencephalogram] Sovremennye metody analiza elektroentsefalogrammy. Moskva, Medgiz, 1963. 326 p.
(DNLM)

RDYBAILO, F.V. [Lymphogranulomatosis] Limfogranulomatoz. [Leningrad] Medgiz, 1961, 146 p.
(CtY-M)

KHMANENKO, V.A. [Helminthic diseases and their prevention] Glistnye zabolevaniia i ikh preduprezhdenie. Moskva, Medgiz, 1963. 31 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

SKII, I.N. [Experimental genetics and medicine] Eksperimental'naia genetika i meditsina. Moskva, Izd-vo "Znanie," 1963. 30 p. (Novoe v zhizni, nauke, tekhnike. VIII Serila. Biologiia i meditsina, no. 18)

SOVETSKYI, O.F. [Physical culture for older people] Fizychna kul'tura dlia liudei starshoho viku. Kyiv, Derzh. medychne vyd-vo, 1963. 42 p.
(DNLM)

DICAL OBSERVATIONS ON SPORTSMEN IN THE ROCESS OF TRAINING] Vrachebnye nabliudeniia za portsmenami v protsesse trenirovki. Red. kollegiia: P. Letunov i dr. Moskva, Izd-vo "Fizkul'tura i sport," 1963. 303 p.
(DNLM)

LEKHOV, D.E. [Clinical foundations for the prognosis of working ability in schizophrenia] Klinicheskie osnovy prognoza trudosposobnosti pri shizofrenii. Moskva, Medgiz, 1963. 197 p.
(DNLM)

HOBLASTNOE SOVESHCHANIE PO OBMENU OPYTOM ORGANIZATSII PROTIVOTUBERKULEZNOI POMOSHCHI V RAIONAKH KRAINEGO SEVERA. Data of the Interprovince Conference on the Exchange Experience in the Organization of Antituberculosis Aid in Regions of the Far North] Materialy. IAkutsk, Iakutskoe knizhnoe izd-vo, 1963. 150 p.
(DNLM)

NIKOV, A.L., and others. [Experimental necroses the myocardium] Eksperimental'nye nekrozy miokarda. Moskva, Medgiz, 1963. 202 p.
(DNLM)

IZOV, G.V., ed. [Current problems of psychiatry and neuropathology] Aktual'nye voprosy psikhiatrii i nevropatologii. Moskva, Izd-vo M-va zdravookhraneniia SSSR, 1963. 400 p.
(DNLM)

OW. TSENTRAL'NYI INSTITUT USOVERSHENSTVOVANIIA VRACHEI. [Problems of medical radiology] Problemy meditsinskoi radiologii; trudy instituta. Pod red. V.K. Modestova. Moskva, 1962. 8 p.
(DNLM)

OVSKOE NAUCHNOE OBSHCHESTVO NEVROPATOLOGOV I PSIKHIATROV. [Periodic and paroxysmal disorders in the neurological clinic] Periodicheskie i paroksizmal'nye narusheniia v nevrologicheskoi klinike. Red. kollegiia: V.V. Mikheev i dr. Moskva, 1961. 171 p.
(DNLM)

[MULTIVOLUME MANUAL ON SURGERY] Mnogotomnoe rukovodstvo po khirurgii. Moskva, Medgiz,
Vol. 4. Egorov, B.G., ed. [Neurosurgery, the sequelae of lesions of the central nervous system. Diseases of the spine, the spinal cord and its membranes. Diseases of the vegetative nervous system] Neirokhirurgiia, posledstviia povrezhdenii tsentral'noi nervnoi sistemy. Zabolevaniia pozvonochnika, spinnogo mozga i ego obolochek. Zabolevaniia vegetativnoi nervnoi sistemy. 1963. 607 p.

ODENOV, B.S. [Clinical basis for transperitoneal lithotomy] Klinicheskoe obosnovanie chrezbriushinnogo kamnesecheniia. 2 izd., dop. i perer. Moskva, Medgiz, 1963. 89 p.
(DNLM)

PARFENOV, A.P. [Effect of the lack of sunshine on man] Solnechnoe golodanie cheloveka. Leningrad, Medgiz, 1963. 191 p.
(DNLM)

PIVOVAROVA, G.N. [Nervous diseases in schoolchildren and their prevention] Nervnye zabolevaniia u shkol'nikov i ikh preduprezhdenie, sovety roditeliam i vospitateliam. Moskva, Medgiz, 1963. 38 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

RASSHIRENNYI PLENUM PRAVLENIIA NAUCHNOGO OBSHCHESTVA KHIRURGOV USSR I XI RESPUBLIKANSKOI KONFERENTSII PO PERELIVANIIU KROVI, 6th, Lvov, 1959. [Transactions of the Sixth Enlarged Plenum of the Board of the Scientific Society of Surgeons of the Ukrainian S.S.R. and the 11th Republic Conference on Blood Transfusion] Trudy. Kiev, Gosmedizdat USSR, 1963. 392 p.
(DNLM)

ROKHLIN, D.G. [Pulmonary segments in X-ray pictures; topographical anatomical, clinical and expertise data] Legochnye segmenty v rentgenovskom izobrazhenii, topografo-anatomicheskie, klinicheskie i ekspertnye dannye. Leningrad, Medgiz, 1963. 126 p.
(DNLM)

ROSTOV-ON-DON. GOSUDARSTVENNYI MEDITSINSKII INSTITUT. [Transvesical adenomectomy with a buried suture on the bladder] Chrezpuzyrnaia adenomektomiia s glukhim shvom mochevogo puzyr'ia. Rostov-na-Donu, 1963. 124 p.
(DNLM)

SEMENOVSKAIA, E.N. [Electrophysiological studies in ophthalmology] Elektrofiziologicheskie issledovaniia v oftal'mologii. [Moskva] Medgiz, 1963. 276 p.
(DNLM)

SERGIEV, P.G., ed. [Malaria and its prevention in the U.S.S.R.] Maliariia i ee profilaktika v SSSR; organizatsionno-metodicheskie materialy. Moskva, Medgiz, 1963. 154 p.
(DNLM)

SHAMSUTDINOV, N.D. [Medicinal leech] Meditsinskaia piiavka. Tashkent, Medgiz. UzSSR, 1963. 12 p.
(DNLM)

SHEDANOV, F.V., and A.D. EVDOKIMOVA. [Methodological manual in the conduction of practical work on tuberculosis in medical institutes] Metodicheskoe posobie k provedeniiu prakticheskikh zaniatii po tuberkulezu v meditsinskikh institutakh. Moskva, Medgiz, 1963. 154 p.
(DNLM)

SHVARTS, A.L. [Code of life] Shifr zhizni. Moskva, Detgiz, 1963. 205 p.
(DNLM)

SIEDOV, P.T. [Not smoking means preserving the health] Ne kurit' — berezhit' zdorov'ia. Kyiv, Derzh. med. vyd-vo URSR, 1963. 19 p.
(DNLM)

SIMPOZIUM "VLIIANIE PSIKHOTROPNYKH PREPARATOV NA VYSSHUIU NERVNUIU DEIATEL'NOST'," Leningrad, 1963. [Reports of the Symposium "Effect of Psychotropic Preparations on Higher Nervous Activity"] Doklady. Leningrad, Izd-vo Akad. nauk SSSR, 1963. 172 p.
(DNLM)

SLOBODIANIK, A.P. [Psychotherapy, suggestion, hypnosis] Psikhoterapiia, vnushenie, gipnoz. Kiev, Gosmedizdat URSR, 1963. 348 p.
(DNLM)

SMOL'IANINOV, V.M., K.I. TATIEV, and V.F. CHERVAKOV. [Forensic medicine] Sudebnaia meditsina. Izd. 3., ispr. i dop. Moskva, Medgiz, 457 p.
(DNLM)

[THERAPEUTIC AND DIAGNOSTIC USE OF RADIOACTIVE ISOTOPES] Lechebnoe i diagnosticheskoe primenenie radioaktivnykh izotopov; trudy konferentsii. Pod red. V.I. Shantyr'. Kiev, Gosmedizdat USSR, 1963. 257 p.
(DNLM)

TOMILIN, V.V. [Physiology, pathology and medicolegal expertise on hand writing, on medicolegal identification of persons by their handwriting] Fiziologiia, patologiia i sudebnomeditsinskaia ekspertiza pis'ma, k sudebnomeditsinskomu otozhdestvleniiu lichnosti po rukopisnomu tekstu. Moskva, Medgiz, 1963. 234 p.

UKRAINE. Ministerstvo zdravookhraneniia. [Problems of general and specialized hygiene] Voprosy obshchei i chastnoi gigieny. Kiev, Gosmedizdat USSR, 1963. 308 p.
(DNLM)

UKRAINSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT KLINICHESKOI MEDITSINY IMENI AKADEMIKA N.D. STRAZHESKO. [Current problems of internal medicine and their elaboration by the school of N.D. Strazhesko] Aktual'nye problemy vnutrennei meditsiny i razrabotka ikh shkoloi N.D. Strazhesko. Pod red. A.L. Mikhneva, i K.F. Duplenko. Kiev, Gosmedizdat USSR, 1963. 298 p.
(DNLM)

USOVA, M.M. [Closed injuries of the clavicle] Zakrytye povrezhdeniia kliuchitsy. Leningrad, Medgiz, 1963. 103 p. (Bibliioteka prakticheskogo vracha)
(DNLM)

UZBEK S.S.R. Ministerstvo zdravookhraneniia. Gosudarstvennaia nauchno-meditsinskaia biblioteka. [Public health in Soviet Uzbekistan, bibliographic index of literature from 1917 to 1959] Zdravookhranenie Sovetskogo Uzbekistana; bibliograficheskii ukazatel' literatury, 1917-1959. Sost. K.G. Shishova. Tashkent, 1961. 213 p.

VISHNEVSKAIA, I.I., and A.A. SOKOLOV. [Medical care for the rural population at the Kalinin Province Hospital] Meditsinskoe obsluzhivanie sel'skogo naseleniia Kalininskoi oblastnoi bol'nitsoi. Moskva, Medgiz, 1963. 106 p. (Peredovoi opyt organizatsii zdravookhraneniia)
(DNLM)

VOLODIN, BORIS. [Silence! An operation is being performed!] Tikho! Idet operatsiia! Moskva, Izd-vo "Znanie," 1963. 95 p. (Prochti tovarishch!)
(DNLM)

ZDRODOVSKII, P.F. [Problems of infection, immunity, and allergy] Problemy, infektsii, immuniteta i allergii. Moskva, Medgiz, 1963. 406 p.
(DNLM)

ZMEEV, G.IA. [Tularemia] Tuliaremiia. Leningrad, Medgiz, 1962. 15 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

15. AGRICULTURE

[ADVANCED WORK PRACTICES ON CATTLE FARMS] Peredovi metody roboty na fermakh velykoi rohatoi khudoby. 2., vypravlene i dop. vyd. Za red. I.A. Danylenka. Kyiv, Derzhsil'hospvydav URSR, 1963. 203 p. (Posibnyky dlia shkil peredovoho dosvidu)
(DNAL)

[AGRICULTURAL ENCYCLOPEDIA] Lauksaimniecibas enciklopedija. Riga, Latvijas valsts izdevnieciba. [In Latvian]
Vol. 1. AAZ - Dzutas augs. 1962. 840 p.

AKADEMIIA NAUK SSSR. Dal'nevostochnyi filial. Vladivostok. [Physiology of soybean and potatoes in the Far East] Fiziologiia soi i kartofelia na Dal'nem Vostoke. Moskva, Izd-vo Akad. nauk SSSR, 1963. 132 p.
(DNAL)

AKADEMIIA NAUK SSSR. Institut fiziologii rastenii. [Gibberellins and their effect on plants] Gibberelliny i ikh deistvie na rastenila. Moskva, Izd-vo Akad. nauk SSSR, 1963. 390 p.
(DNAL)

BARAEV, A.I. [Basic regulations for the control of soil erosion caused by water and wind] Osnovnye polozhenila po bor'be s vodnoi i vetrovoi eroziei pochv. Moskva, Sel'khozizdat, 1962. 71 p.
(DNAL)

BASHKIRSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT SEL'SKOGO KHOZIAISTVA [Papers of the Bashkir Scientific Research Institute of Agriculture] Uchenye zapiski Ufa, 1963 312 p
(DNAL MICROFILM)

BUAGOVESHCHENSKII, G. V [Principles of safety and fire prevention techniques in agriculture] Osnovy tekhniki bezopasnosti i protivopozharnaia tekhnika v sel'skom khoziaistve Ufa, Bashkirskoe Kn. izd-vo, Sel'khozizdat, 1963 275 p
(DNAL)

BODROVA, E. M., and Z. D. OZOLINA [Organic fertilizers] Organicheskie udobreniia Moskva, Izd-vo "Znanie" 1963 52 p (Narodnyi universitet kul'tury Sel'skokhoziaistvennyi fakul'tet, no 10)

BOGDANOV, L.M [Agricultural planning in the zone of production administration] Planirovanie sel'skogo khoziaistva v zone proizvodstvennogo upravleniia Moskva, Ekonomizdat, 1963 174 p

BOIKO, V. A [Champions of the new, story about how the Gul'kevichskii District Party Organization struggles for the introduction of the new and advanced in agricultural production] Poborniki novogo, rasskaz o tom, kak Gul'kevichskaia raikomaia partiinaia organizatsiia boretsia za vnedrenie novogo, peredovogo v sel'skokhoziaistvennoe proizvodstvo [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1961 31 p
(DNAL)

BREZHNEV, D. D [Fresh vegetables in summer and winter] Svezhie ovoshchi letom i zimoi Moskva, Sel'khozizdat, 1963 117 p
(DNAL)

CHAILAKHIAN, M. KH. [Gibberellins for plants; instructions for testing and using gibberellins on cultivated plants] Gibberelliny rastenii, instruktsiia po ispytaniiu i primeneniiu gibberellinov na kul'turnykh rasteniiakh, Moskva, Izd-vo Akad. nauk SSSR, 1963, 61 p.
(DNAL)

DANILOV, D. N [Hunting in the U.S.S.R., productivity of hunting grounds] Okhotnich'e khoziaistvo SSSR, produktivnost' okhotnich'ikh ugodii. Moskva, Goslesbumizdat, 1963, 370 p

DASHKEVICH, A. V [Guide to grape varieties] Opredelitel' sortov vinograda. Kiev, Gos. izd-vo sel'khoz. lit-ry Ukrainskoi SSR, 1963 92 p
(DNAL)

DENISOV, P. V [Seeding rates for grain crops and peas] Normy vyseva zernovykh kul'tur i gorokha. [Leningrad] Lenizdat, 1963 53 p
(DNAL)

DROZDOV, I. P. [Growing peas for cattle feeding] Vyrashchivanie gorokha na korm skotu [Leningrad] Lenizdat, 1963 39 p
(DNAL)

EESTI NSV SPORDIUHINGUTE JA ORGANISATSIOONIDE LIIDU KALASPORDIFODERATSIOON. [A fisherman's talks ..] Ongemees vestleb . Tallinn, Vsu "Kalevi" Tallinna kalaspordiklubi, 1962. 110 p [In Estonian]

GAVRILIUK, F. IA. [Field study and the mapping of soils] Polevoe issledovanie i kartirovanie pochv. Moskva, Vysshaia shkola, 1963. 234 p.

HRUSHKO, M. F. [Garden peas and kidney bean] Ovochevi horokh i kvasolia. Kyiv, Derzhsil'hospvydav URSR, 1963. 64 p.
(DNAL)

KACHINSKII, N. A. [Soil structure] Struktura pochvy; itogi i perspektivy izucheniia voprosa. [Moskva] Izd-vo Mosk. univ. 1963. 98 p.

KAKHETELIDZE, M. K. [Ways of improving labor productivity on collective livestock farms in Georgia] Puti povysheniia proizvoditel'nosti truda v kolkhoznom produktivnom zhivotnovodstve Gruzinskoi SSR. Tbilisi, 1962 [i.e. 1963] 143 p [In Georgian]
(DNAL)

KALASHNIKOV, A. P. [Silage type of feeding for cattle] Silosnyi tip kormleniia krupnogo rogatogo skota. Moskva, Sel'khozizdat, 1963. 158 p.
(DNAL)

KAZANSKII VETERINARNYI INSTITUT. [Collection of papers of a scientific conference] Sbornik dokladov nauchnoi konferentsii. Kazan', 1963, 98 p.
[DNAL MICROFILM]

KHRUSHCHEV, N. S [Let us establish a firm foundation for high, regular yields of farm produce, a speech at the Conference of the Agricultural Workers of the Northern Caucasus in Krasnodar on September 26 1963] Sozdat' ustoichivuiu bazu dlia poluchenila vysokikh garantirovannykh urozhaev; rech' na soveshchanii rabotnikov sel'skogo khoziaistva Severnogo Kavkaza v g. Krasnodare 26 sentiabria 1963 goda Moskva, Politizdat, 1963 47 p.

KIEV, UKRAINS'KA AKADEMIIA SIL'S'KOHOSPODARS'KYKH NAUK [Biological principles underlying increase in the meat quality of farm animals] Biologicheskie osnovy povysheniia miasnykh kachestv sel'skokhoziaistvennykh zhivotnykh, materialy konferentsii. Kiev, 1962 164 p.
(DNAL)

KONDRAT'EV, A. I. [The new tested by life] Novoe, proverennoe zhizn'iu [Moskva] Moskovskii rabochii, 1963 61 p
(DNAL)

KOTOVOI, S. P., and G. I. PETROV. [Agricultural collective and state farm administrations] Proizvodstvennye kolkhozno-sovkhoznye upravleniia [Leningrad] Izd-vo Leningr. univ., 1963 43 p

[KUBAN BEACONS] Kubanskie maiaki [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1961. 249 p
(DNAL)

LADAN, P. E., and A. A. EREMEEV [Swine raising, a textbook on practical problems] Svinovodstvo, posobie k prakticheskim zaniatiiam Moskva, Sel'khozizdat, 1963 157 p
(DNAL)

LENINGRAD. LESOTEKHNICHESKAIA AKADEMIIA. [English-Russian forestry dictionary] Anglo-russkii lesotekhnicheskii slovar', uchebnoe posobie dlia studentov i aspirantov. 2. izd. Moskva, Goslesbumizdat, 1962. 524 p.
(MIU)

[LET THE BEAUTIFUL WINTER GRAIN EAR UP IN OUR FIELDS, letters of scientific workers and specialists in agriculture] Khai kolosiat'sia polia chudesnoiu ozynynoiu, tysl naukovykh pratsivnykiv i spetsialistiv sil's'koho hospodarstva Kyiv, T-vo "Znannia" Ukrains'koi RSR, 1963. 31 p
(DNAL)

MAGERRAMOV, A. A. [State farm beacon lights as exemplified by the Lenin State Farm No. 3, in Zhdanov District] Sovkhoz maiaklary, Zhdanov raionundaky V. I. Lenin adyna 3 N-li sovkhozun misalynda. Baky, Azerbaidzhan dovlet neshrilaty, 1961. 38 p. [In Azerbaijani]
(DNAL)

MAZURKEVYCH, M. S. [Maintenance of swine in outdoor runs in summer field bases] Vil'no-vyhul'ne utrymannia svynel v taborakh [Kyiv] Kyivs'ke obl. knyzhkovo-gazetne vyd-vo, 1963. 16 p
(DNAL)

MOSCOW. GLAVNYI BOTANICHESKII SAD [Hybrids of remote crossings and polyploids] Gibridy otdalennykh skreshchivanii i poliploidy. Moskva, Izd-vo Akad. nauk SSSR, 1963 202 p.
(DNAL)

MOSCOW. UNIVERSITET. [Micro-organisms in agriculture] Mikroorganizmy v sel'skom khoziaistve. [Moskva] 1963. 457 p. (Mezhvuzovskaia nauchnaia konferentsiia [Moscow, 1962] Trudy)
(DNAL)

NADUTKIN, V. D., and N. A. LAZAREV. [Spruce forests of the Komi A.S.S.R., their use and regeneration] Elovye lesa Komi ASSR, ikh ispol'zovanie i vozobnovlenie. Syktyvkar, Komi knizhnoe izd-vo, 1963, 31 p.
(DNAL)

NAUCHNAIA KONFERENTSIIA, POSVIASCHENNAIA 50-LETIIU VSESOIUZNOGO ORDENA LENINA I ORDENA TRUDOVOGO KRASNOGO ZNAMENI SELEKTSIONNO-GENETICHESKOGO INSTITUTA IMENI T. D. LYSENKO. [Towards the development of Michurinist agrobiological theories] Za razvitie michurinskoi agrobiologicheskoi nauki, materialy.... Moskva, Sel'khozizdat, 1963. 350 p
(DNAL)

NOSOV, M. S., N. N. ORANSKII, and V. A. PERFILOV. [Mechanization of work on livestock farms] Mekhanizatsiia rabot na zhivotnovodcheskikh fermakh. Pod obshchei red. V. S. Krasnova. Moskva, Profitekhizdat, 1963. 399 p.
(DNAL)

PALETSKAIA, L. N. [Contribution to the [illegible] ment of microflora in the [illegible] ted takyr-type soils of the Mury[illegible] mikrobnoi tazvitiia mikroflory [illegible] mykh takyrovidnykh pochv [illegible] Ashkhabad, Izd-vo Akad. [illegible] 1963 85 p
(DNAL)

[PESTS AND DISEASES OF GRAIN [illegible] bnezni zernovykh kul'tur Izd[illegible] dat, 1963 34 p
(DNAL)

PLANOVO-METODICHESKOE SOVE[illegible] ZASHCHITE RASTENII ZONY [illegible] Novosibirsk, 1960. [Conference [illegible] and methods of plant protection [illegible] and Siberian zones] Materi[illegible] Sibirskoe knizhnoe izd-vo, [illegible] [Pt. 1.] 1961. 170 p.
[illegible]

PREVO, A. A., and S. O. PI[illegible] Pitsevodstvo, uchebnoe [illegible] sia sel'skikh srednikh shkol s [illegible] chenlem. Moskva, Uchpedgiz, [illegible]
(DNAL)

[RESERVATION IN PECHORA, [illegible] Zapovednik na Pechore, [illegible] [By] I. I. Bogan i dr. Syktyvkar, [illegible] izd-vo, 1963. 114 p.

SEMENCHENKO, Z. P. [Animal [illegible] able activity] Tvarynnytstvo - [illegible] Kyiv, Derzhsil'hospvydav URSR, [illegible]
(DNAL)

SHAPOVALOV, K. S. [The "KDU-[illegible] circular-conveyor milking machine] [illegible] kol'tsevaia doil'naia ustanovka "[illegible] Moskva, Vystavka dostizhenii nar[illegible] 5 p.
(DNAL)

SHUMAKOV, V. S. [Types of forest [illegible] fertility of soils] Tipy lesnykh kul'tur i [illegible] pochv. Moskva, Goslesbumizdat, [illegible]
(DNAL)

[SUGAR BEETS, practices in growing [illegible] Leningrad Province] Sakharnaia [illegible] lyvania sakharnoi svekly v Leningrad[illegible] [Leningrad] Lenizdat, 1963. 143 p.
(DNAL)

TIURIN, P. V. [Biological principles of [illegible] eries in inland bodies of water] [illegible] for studying fish stocks for [illegible] observation centers] Biologicheskie [illegible] lirovania rybolovstva na vnutrennikh [illegible] metodicheskoe rukovodstvo po izu[illegible] sov dlia postoiannykh ikhtiologicheskikh [illegible] nykh punktov. Moskva, Pishchepromizdat [illegible] 118 p.

TOMME, M. F., and A. V. MOMJAKOV. [illegible] for protein feeds] Zamenitell kormov [illegible] Moskva, Sel'khozizdat, 1963. 159 p
(DNAL)

TREVOGA, I. A., and I. P. SHILOVTSEV. [illegible] ia," a highly-profitable farm] "Vysokorentabel'noe khoziaistvo" [Krasnodarskoe knizhnoe izd-vo, 1961. 46 p

TURKELI, L. G., V. V. PILATOV, and P. [illegible] [Laboratory and practice lessons on [illegible] ized combines] Laboratorno-prakticheskie [illegible] po zernovym i spetsial'nym kombainam. [illegible] Sel'khozizdat, 1963, 366 p.

UKRAINS'KA RESPUBLIKANS'KA NAUKOVA [illegible] FERENTSIIA MOLODYKH UCHENYKH [illegible] FIZIOLOGII ROSLYN, 1st, 1962. [Papers [illegible] biochemical principles underlying [illegible] productivity of plants] Fiziologo-[illegible] pidvyshchennia produktyvnosti roslyn, pra[illegible] Derzhsil'hospvydav URSR, 1963 458 p
(DNAL)

VERESKUNOV, V. K., and B. P. NAL'SKII [illegible] measures and fire prevention in lumber[illegible] transporting operations] Tekhnika bezo[illegible] tivopozharnye meropriiatiia na lesovoz[illegible] lesotransportnykh rabotakh. Moskva, [illegible] dat, 1962. 48 p.
(DNAL)

VSESOIUZNOE SOVESHCHANIE PO RYBOKHOZIAISTVENNOMU OSVOENIIU RASTITEL'NOIADNYKH RYB V VODOEMAKH SSSR, Ashkhabad, 1961 [Papers of the All-Union Conference on the Commercial Introduction of Plantivorous Fishes - Ctenopharyngodon idella and Hypophthalmichthys molitrix-in the Bodies of Water of the U S S R] Materialy Vsesoiuznogo soveshchaniia po rybokhoziaistvennomu osvoeniiu rastitel'noiadnykh ryb - belogo amura (Ctenopharyngodon idella) i tolstolobika (Hypophthalmichthys molitrix) - v vodoemakh SSSR Ashkhabad, Izd-vo Akad nauk Turkmenskoi SSR, 1963 224 p. (DNAL)

ZHURAVLEV, E M [Manual on the zootechnical analysis of feeds] Rukovodstvo po zootekhnicheskomu analizu kormov. Moskva, Sel'khozizdat. 1963 294 p. (DNAL)

ZUBKOV, B. V. [Universal and specialized machines, descriptions of the recent developments in agricultural machinery] Mashiny—universaly i spetsialisty; rasskazy o novinkakh sel'skokhoziaistvennoi tekhniki, Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no. 18)

ZUBKOV, B. V., and E S MUSIJN. [Two hundred advices to rural mechanics] 200 sovetov sel'skim mekhanizatoram. [Moskva, Moskovskii rabochii] 1963 67 p (DNAL)

ZUSMAN, N S. [Raise rabbits] Razvodite krolikov Moskva, Izd-vo "Znanie," 1963 47 p. (Narodnyi universitet kul'tury Sel'skokhoziaistvennyi fakul'tet, no. 8)

16. TECHNOLOGY

ADAMIDZE, D I. [Blasting operations by compressed air under high pressure] Vzryvnye raboty szhatym vozdukhom vysokogo davleniia Moskva, Gosgortekhizdat, 1963 107 p

AGALAROV, M S. [Hydrochemistry of principal oil fields in Azerbaijan] Gidrogeokhimiia osnovnykh neftianykh mestorozhdenii Azerbaidzhana Baku, Azerneftneshr, 1960 261 p [MICROFILM]

AIZERMAN, M.A., and F R.GANTMAKHER. [Absolute stability of control systems] Absoliutnaia ustoichivost' regulriuemykh sistem Moskva, Izd-vo Akad. nauk SSSR, 1963 138 p

AKADEMIIA NAUK KIRGIZSKOI SSR. Frunze. Institut avtomatiki. [Some problems in the automatic control of nonferrous metal production processes] Nekotorye voprosy avtomatizatsii protsessov proizvodstva tsvetnykh metallov. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963 37 p.

AKADEMIIA NAUK SSSR. Institut fizicheskoi khimii. [Physicochemical regularities in the action of lubricants for metalworking by pressure] Fiziko-khimicheskie zakonomernosti deistvila smazok pri obrabotke metallov davleniem. Moskva, Izd-vo Akad. nauk SSSR, 1963. 175 p.

AKADEMIIA NAUK SSSR. Institut geologii i razrabotki goriuchikh iskopaemykh. [Geochemistry and hydrochemistry of oil fields] Geokhimiia i gidrokhimiia neftianykh mestorozhdenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 150 p.

AKADEMIIA NAUK SSSR. Institut istorii estestvoznaniia i tekhniki. [History of the discovery and study of mineral deposits] K istorii otkrytiia i izucheniia mestorozhdenii poleznykh iskopaemykh. Moskva, Izd-vo Akad nauk SSSR, 1963. 105 p

AKADEMIIA NAUK SSSR. Kol'skii filial. Kirovsk [Problems in the technology of mining ore deposits in the Kola Peninsula] Voprosy tekhnologii razrabotki rudnykh mestorozhdenii Kol'skogo poluostrova. Moskva, Izd-vo Akad. nauk SSSR, 1963. 191 p.

AKADEMIIA NAUK SSSR. Laboratoriia podzemnoi razrabotki ugol'nykh mestorozhdenii. [Optimum parameters of a system of working steep seams with stoping machinery and the efficiency of mechanized mining] Optimal'nye parametry sistemy razrabotki krutykh plastov ochistnymi agregatmi i effektivnost' agregatnoi vyemki; kratkii nauchnyi otchet. Moskva, Akad. nauk SSSR, 1963. 46 p.

KADEMIIA NAUK SSSR. Nauchnyi Sovet po vysokomolekuliarnym soedineniiam. [Foreign industrial polymeric materials and their components; a glossary and handbook] Zarubezhnye promyshlennye polimernye materialy i ikh komponenty; tolkovyi slovar-spravochnik. Moskva, Izd-vo Akad. nauk SSSR, 1963. 428 p.

AKADEMIIA NAVUK BSSR Minsk Institut obshchei i neorganicheskoi khimii. [Potassium salts and methods for their processing] Kaliinye soli i metody ikh pererabotki Minsk, Izd-vo Akad nauk Belorusskoi SSR, 1963. 151 p

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut novykh stroitel'nykh materialov. [Instructions for testing material for the manufacture of agloporites] Ukazaniia po ispytaniiu syr'ia dlia proizvodstva agloporita; U 03 - 63. Moskva, Gosstroiizdat, 1963. 24 p.

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Methodological instructions for treating problems of safety engineering and industrial hygiene in plans for the organization of construction and work output] Metodicheskie ukazaniia po razrabotke voprosov tekhniki bezopasnosti i proizvodstvennoi sanitarii v proektakh organizatsii stroitel'stva i proizvodstva rabot. Moskva, Gosstroiizdat, 1963 53 p.

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR Institut po stroitel'stvu, Rostov-on-Don [Ways of reducing redrilling in crosscutting] Puti snizheniia pereborov pri prokhodke gornykh vyrabotok Rostov-na-Donu, 1962 27 p [MICROFILM]

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. TSentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture. [Mechanization and automatization of factories producing precast reinforced concrete and the assembling of large-panel buildings] Mekhanizatsiia i avtomatizatsiia na zavodakh sbornogo zhelezobetona i montazh krupnopanel'nykh zdanii Moskva, Gosstroiizdat, 1963 82 p

AKOL'ZIN, P. A., and V. N. GULIAEV. [Corrosion cracking of austenitic steels in heat-power engineering equipment] Korrozionnoe rastreskivanie austenitnykh stalei v teploenergeticheskom oborudovanii. Moskva, Gosenergoizdat, 1963. 270 p.

AKOL'ZIN, P. A., and V V. GERASIMOV [Corrosion of the structural materials of nuclear and thermal electric-power plants] Korroziia konstruktsionnykh materialov iadernykh i teplovykh energeticheskikh ustanovok. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 375 p

AKSENOV, V. V., A. V. SHALKOV, and E. P. DOLGOV. [New electric devices for studying mining machines] Novye elektricheskie pribory dlia issledovaniia gornykh mashin; kratkii nauchnyi otchet. Moskva, In-t gornogo dela, 1963, 41 p.

[ALBUM OF NEW CONSTRUCTION EQUIPMENT, recommended for use] Al'bom novoi stroitel'noi tekhniki, rekomenduemoi k vnedreniiu Moskva, Gosstroiizdat.
No. 2. [Construction of power engineering structures Electrical engineering structures] Energeticheskoe stroitel'stvo. Elektrotekhnicheskie raboty. 1963. 111 p.

ALEKSANDROVSKII, N.M. [Automatic control components; transducers, comparators, and relays] Elementy avtomaticheskikh ustroistv; datchiki, ustroistva sravneniia, rele. Redaktor A. V. Lebedev. Moskva, Izd-vo Mosk. energ. in-t, 1962 212 p.

ALEKSEEV, IU. F., and A. D. NADEZHKIN. [Means for increasing core recovery; practices of Bashkirian petroleum workers] Puti uvelicheniia vynosa kerna (opyt neftianikov Bashkirii). Moskva, Gostoptekhizdat, 1963. 67 p.

ALEKSENKO, G. V., A. K. ASHRIATOV, and [Testing of high-voltage power transformers transformers] Ispytaniia vysokovol'tnykh i nykh transformatorov i avtotransformatorov Gosenergoizdat.
Pt. 1. 1962. 671 p. (Transformatory, i

ALIEV, M. I. [Thermal conductivity of semic Teploprovodnost' poluprovodnikov. Baku, nauk Azerbaidzhanskoi SSR, 1963. 145 p.

ALIMOV, O. D., I. G. BASOV, and Z. M. PRA [Cutting frozen ground with the URMG-60 u nie merzlykh gruntov ustanovkoi URMG-60. Izd-vo Tomskogo sovnarkhoza, 1962 19 p. [MICROFI

ALMAZOV, A. M , L M GORDEEV, and E. I MAN. [Commercial study of meat and fish dise and techniques for their marketing] Tc nie miasnykh i rybnykh tovarov i tekhnika tc Izd. 2., dop. i perer. Moskva, Gostorgizd 303 p.

AL'TOV, G. [Ten per cent adventures] Desiat' procentov prikliuchenii Tambov, Tambovskoe knizhnoe izd-vo, 1962. 40 p. (Bibliotechka novatora, no. 3)

ALYSHEV, I F., and A. A SOF'INA. [Testing the road properties of soils] Ispytanie dorozhnykh svoistv gruntov, posobie k laboratornym rabotam (dlia studentov lesoinzhenernogo fakul'teta). Leningrad, Vses zaochnyi lesotekhnicheskii in-t, 1963 56 p

ANDEREG, G. F. [Regulation of motion-picture projecting and sound-reproducing apparatus] Regulirovka kinoproektsionnoi i zvukovosproizvodiashchei apparatury Pod red. S M. Provorova. Moskva, Izd-vo "Iskusstvo," 1963 207 p. (Biblioteka kinomekhanika)

ANDREEV, A.S. [Laboratory work on the principles of electronics and communications engineering] Laboratornye raboty po osnovam elektroniki i tekhniki sviazi Moskva, Sel'khozizdat, 1963 126 p

ANDREEV, A. V., L. L. ANCHAROV, and G. P. KUDINOV. [Automatic control of open-pit mine transportation] Avtomatizatsiia kar'ernogo transporta. Moskva, Gosgortekhizdat, 1963. 253 p.

ANDREEV, G. S. [Firing-line method on main gas pipes] Vedenie ognevykh rabot na magistral'nom gazoprovode. Leningrad, Gostoptekhizdat, 1963. 110 p. (Biblioteka ekspluatatsionnika magistral'nogo gazoprovoda)

ANDRIEV, S. V., B. K MARTENS, and A N. TRUSHINSKII [Three-positional distance-type transistor temperature regulator] Trekhpozitsionnyi distantsionnyi poluprovodnikovyi termoregulitor Leningrad, 1963 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom Seriia: Pribory i elementy avtomatiki, no. 2)

APRATOV, I I., and N. V. SOLOMAKHIN. [Practical handbook for a mechanic in a mine section] Prakticheskoe rukovodstvo mekhanika uchastka shakhty Moskva, Gosgortekhizdat, 1963 287 p.

ARMENIAN S.S.R Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for manufacturing elements from lightweight concrete using natural porous aggregates] Instruktsiia po izgotovleniiu izdelii iz legkikh betonov na estestvennykh poristykh zapolniteliakh Moskva, Gosstroiizdat, 1963. 80 p.

ARTAMONOV, M. D., and G. P PANKRATOV. [Theory and design of motor-vehicle and tractor engines] Teoriia, konstruktsiia i raschet avtotraktornykh dvigatelei. Moskva, Mashgiz, 1963. 520 p.

ARTEM'EV, B. V. [Production of soluble coffee] Poluchenie rastvorimogo kofe. Moskva, TSentr in-t nauchno-tekhn informatsii pishchevoi promyshl., 1963. 34 p (Tekhnicheskaia informatsiia) [MICROFILM]

[ASSEMBLING PRECAST-CONCRETE STRUCTURES] Montazh sbornykh zhelezobetonnykh konstruktsii. [By] N. A. Bolotian, i dr. Moskva, Gosstroiizdat, 1963. 344 p. (Seriia prakticheskikh posobii po povysheniiu masterstva v promyshlennom stroitel'stve)

ATABEKOV, V. B. [Power transformers] Silovye transformatory Moskva, Izd-vo M-va kommun. khoz RSFSR, 1963 91 p.

AVAEV, S A., S. V. GARTUNG, and A. N. SHMELEV. [Electric power equipment in textile and light industry

BAKHTAMOV, R. D., and B. T. KORCHAGIN. [Your rights, inventor] Tvoi prava, izobretatel' Tambov, Tambovsko. knizhnoe izd-vo, 1962. 15 p. (Bibliotechka novatora, no 10)

BARANOV, N. A. [Manual for the operator of acid preparation plants in sulfite pulp mills] Posobie kislotchiku sul'fitno-tsellyuloznogo proizvodstva. Moskva, Goslesbumizdat, 1963. 155 p.

BASHARINOV, A. E. [Principles of signal detection in noise] Printsipy selektsii signalov v shumakh. Konspekt lektsii. Red. V. L. Lebedev. Moskva, Moskovskii energ. in-t, 1962. 40 p.

BASHMAKOV, A. M., and A. I. KOZLOV. [Lifting-capacity limiter for jib cranes. Self-gripping catch for sheet materials] Ogranichitel' gruzopod"emnosti dlia strelovykh pod"emnykh kranov. Samozazhimnoi zakhvat dlia listovogo materiala. Leningrad, 1963. 17 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Mekhanicheskaia obrabotka metallov, no. 12)

BATASHEV, K. P. [Electrochemical treatment of the surface of titanium and its alloys] Elektrokhimicheskaia obrabotka poverkhnosti titana i ego splavov. Stenogramma lektsii. Leningrad, 1963. 29 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia Zashchitnye pokrytiia)

BELOTSERKOVSKII, L. P., and G. M. MANAFOV. [Safety measures in pipe-rolling mills] Tekhnika bezopasnosti v truboprokatnom proizvodstve. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 73 p.

BELOV, S. V., I. D. DMITRIEV, and A. E. KOLOSOVA. [Aerial photographic surveying and aviation in forest management] Aerofotos"emka i aviatsiia v lesnom khoziaistve. Uchebnoe posobie dlia studentov lesokhoziaistvennogo fakul'teta. Pod obshchei red. S. V. Belova. Leningrad, Vses. zaochnyi lesotekhn. in-t, 1962. 256 p.

BEREZKINA, L. G., ed. [Physicochemical investigations of the metallurgy of rare metals. Translated from the English and German] Fiziko-khimicheskie issledovaniia po metallurgii redkikh metallov. Moskva, Izd-vo inostr. lit-ry, 1963. 150 p. (Metally v novoi tekhnike)

BESSMERTNYI, I. S. [Schematics of municipal electric-power distribution networks] Skhemy gorodskikh elektricheskikh setei, posobie dlia proektirovaniia gorodskikh elektricheskikh setei pri ikh avtomatizatsii. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 202 p.

BLIZNIAKOV, L. V. [Handbook for the mechanical engineer and the foreman of a machine shop] Kratkii spravochnik tekhnologa-mashinostroitelia i mastera mekhanicheskikh tsekhov. [Riazan'] Riazanskoe knizhnoe izd-vo, 1963. 310 p.

BOCHEVER, F. M. [Hydrogeological calculations of large underground water intakes and water-level lowering installations] Gidrogeologicheskie raschety krupnykh vodozaborov podzemnykh vod i vodoponizitel'nykh ustanovok. Moskva, Gosstroiizdat, 1963. 57 p. (Inzhenernaia gidrogeologiia)

BODROV, V. F. [The great from the small] Bol'shoe iz malogo. [Tula] Tul'skoe knizhnoe izd-vo, 1963. 11 p. [MICROFILM]

BOICHUK, L. M. [Contactless control systems of small automated electric drives] Beskontaktnye sistemy avtomatizirovannogo elektroprivoda malot moshchnosti. Kiev, Izd-vo Akad. nauk USSR, 1963. 50 p. (Spravochnaia seriia po novoi tekhnike)

BORNATSKII, I. I. [Brief handbook for steelmakers] Kratkii spravochnik staleplavil'shchika. Moskva, Metallurgizdat, 1962. 286 p.

BORODIN, I. V. [Construction of gas networks and structures] Stroitel'stvo gazovykh setei i sooruzhenii. Izd. 2, perer. i dop. Moskva, Izd-vo M-vo kommunal'nogo khoziastva RSFSR, 1963. 258 p.

BOTVINNIKOV, A. D., I. A. ROITMAN, and G. A. ANOKHIN. [Teaching the reading of mechanical drawings during the vocational training of students] Obuchenie chteniiu chertezhei v protsesse professional'noi podgotovki uchashchikhsia. Moskva, Izd-vo APN RSFSR, 1962. 172 p.

BROIDO, N. F. [Devices of a unified pneumatic control system in automatic control circuits] Pribory pnevmaticheskoi unifitsirovannoi sistemy v skhemakh avtomatizatsii. Moskva, Mashgiz, 1963. 142 p.

BUDINSKÝ, JAROSLAV. [Low-frequency transistor amplifiers. Translated from the Czech] Usiliteli nizkoi chastoty na tranzistorakh. Izd. 2, perer. Moskva, Mashgiz, 1963. 319 p.

BUDZKO, I. A., ed. [Calculation of rural electric power distribution networks with voltage regulation] Raschet sel'skikh elektricheskikh setei s regulirovaniem napriazhenita. [By] I. A. Budzko i dr. Moskva, MSKh RSFSR, 1963. 108 p.

BUKSHTEIN, M. A. [Manufacture of steel wire rope] Proizvodstvo stal'nykh kanatov. Moskva, Metallurgizdat, 1963. 330 p.

BULAKH, V. L., N. A. SOLOMENTSEV, and V. A. CHEKMAREV. [Fundamentals of hydrology and land improvement] Osnovy gidrologii i sel'skokhoziaistvennykh meliboratsii. 2, dop. izd. Leningrad, Gidrometeoizdat, 1963. 366 p.

BURENKOV, M. I. [Fate] Sud'by. Moskva, Izvestiia, 1962. 132 p. (MH)

CHEKRYGIN, I. G. [Safety measures in the maintenance and repair of motor vehicles] Tekhnika bezopasnosti pri tekhnicheskom obsluzhivanii i remonte avtomobilei. Izd. 5., ispr. Moskva, Avtotransizdat, 1963. 71 p.

CHERNOBAI, D. G. [Electric control of the equipment in machinery plants] Elektroavtomatika oborudovaniia mashinostroitel'nykh zavodov. Moskva, Mashgiz, 1963. 205 p.

CHERNOUSOV, N. P. [Hydrostatic bearings] Gidrostaticheskie podshipniki, stenogramma lektsii. Leningrad, 1963. 47 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia Mekhanicheskaia obrabotka)

CHERNYI, M. D. [Reeling and silk twisting] Kokonomotanie i shelkokruchenie. Pod red. N. S. Simonova. Moskva, Gizlegprom, 1963. 510 p.

CHIRIATNIKOV, V. I., and A. S. BUIANOVA. [Stuffing and tying of sausage] Shpritsevanie i viazka kolbas. Moskva, Pishchepromizdat, 1963. 46 p. (Biblioteka molodogo rabochego)

CHUMAKOV, IU. L. [Concrete work] Betonnye raboty. Moskva, Avtotransizdat, 1963. 58 p.

CHUMAKOV, V. D. [Standardized equipment for the fish industry] Tipizirovannoe oborudovanie dlia rybnoi promyshlennosti. Moskva, Rybnoe proizvodstvo, 1963. 47 p. (Mekhanizatsiia i avtomatizatsiia ryboobrabatyvaiushchei promyshlennosti)

[COKE, classification, specifications and methods of testing] Koks, klassifikatsiia, tekhnicheskie trebovaniia i metody ispytanii. Izd. ofitsial'noe. Moskva, Gos. izd-vo standartov, 1963. 135 p. (SSSR. Gosudarstvennye standarty)

DANILOV, P. P. [Safety manual for the motor loader operator] Pamiatka po tekhnike bezopasnosti dlia mashinista avtopogruzchika. 2., perer. izd. Moskva, Gosstroiizdat, 1963. 35 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

DARDIK, N. B. [Technology and organization of the manufacturing of prestressed concrete elements] Tekhnologiia i organizatsiia zavodskogo proizvodstva predvaritel'no napriazhennykh zhelezobetonnykh konstruktsii, opyt Moskovskogo zavoda No. 6. Moskva, Gosstroiizdat, 1963. 165 p.

DAVYDOV, N. I. [Industrial training of stope miners] Proizvodstvennoe obuchenie gornorabochikh ochistnogo zaboia. Moskva, Profizdat, 1963. 72 p.

DEMENT'EV, B. A. [Transport and engineering equipment and the refueling of nuclear reactors] Transportno-tekhnologicheskoe oborudovanie i peregruzka iadernykh reaktorov, uchebnoe posobie dlia studentov spetsial'nosti "Proektirovanie i ekspluatatsiia atomnykh elektrostantsii." Redaktor K. N. Proskuriakov. Moskva, Mosk. energ. in-t, 1961. 59 p.

DENISOV, A. G., and others. [MAZ-525 dump truck; its design and operation] Avtomobil'-samosval MAZ-525; ustroistvo i ekspluatatsiia. Moskva, Avtotransizdat, 1963. 166 p.

DENISOV, I. S. [Assembly of foundry molds] Sborka liteinykh form. Moskva, Profizdat, 1963. 263 p.

DMITROVICH, A. M. [What a mechanic should know about metals and materials] Chto mashinist dolzhen znat' o metallakh i materialakh. Minsk, Izd-vo BSSR, 1962. 156 p. (Biblioteka slesaria, no. 11)

DNEPROPETROVSK. DNEPROPETROVSKII GORNYI INSTITUT. [Regularities of coal accumulation in the Dnieper lignite basin] Zakonomernosti uglenakopleniia na territorii Dnepropetrovskogo burogo uglia basseina. Moskva, Gosgortekhizdat, 1963. 204 p.

DOBROKHOTOV, A. A. [Deformations of [illegible] ing] Deformatsii batok pri izgibe, kruchenii i pere[illegible] (uchebnoe posobie). Moskva, Mosk. poligr. in-t, [illegible] 26 p.

DOLGOPOL'SKII, I. M., and others. ["Ethrol" Lak etinol". Moskva, Goskhimizdat, 1963. [illegible] p. (Kontrolia v khimicheskikh proizvodstvakh i [illegible] zashchity, no. 19)

DONSKOI, V. M., and V. A. LANTSOV. [Mechanization and unloading construction machinery] Mekhanizatsiia pogruzochno-razgruzochnykh mashinykh v stroitel'stvo. Leningrad, 1963. 33 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Stroitel'noe proizvodstvo, no. 5)

DRIUCHKOVA, M. A., and E. I. ZHIVAEVA. [Clothes for stout women] Odezhda dlia polnykh zhenshchin. Minsk, Gos. izd-vo BSSR, 1962. 231 p.

DUBROVA, G. A. [Interaction of ground and structures; calculation of noncohesive ground loads on [illegible] structures taking deformations into consideration] Vzaimodeistvie grunta i sooruzhenii, raschet [illegible] zok ot nesvizanykh gruntov na gidrotekhnicheskie sooruzhenita s uchetom deformatsii. Moskva, Izd-vo [illegible] nol transporta," 1963. 218 p.

DUBROVKIN, S. D. [Innovations in sanitary [illegible] work] Novoe v sanitarno-tekhnicheskikh [illegible] [Moskva] Moskovskii rabochii, 1963. 84 p.

DUTKO, I. A. [Construction work] Stroitel'nye [illegible] Kiev, Gosstroiizdat URSR, 1963. 310 p.

DYMKOV, A. M. [Voltage transformers] Transformatory napriazhenita. Moskva, Gosenergoizdat, 1963. 191 p. (Transformatory, no. 10)

DZHANDZHGAVA, I. D. [Using concrete and [illegible] concrete for supporting mines. Primenenie [illegible] zhelezobetona v kreplenii gornykh vyrabotok] [illegible] 1962. 151 p. [In Georgian]

EFREMENKO, V. P. [Safety manual for the operator of a mobile compressor station] Pamiatka po tekhnike bezopasnosti dlia mashinista peredvizhnoi kompressornoi stantsii. Izd. 3., perer. i dop. Moskva, Gosstroizdat, 1963. 27 p. (Tekhnika bezopasnosti v stroitel'stve)

[ELECTRIC MEASURING DEVICES] Elektroizmeritel'nye pribory. Izdanie ofitsial'noe. Moskva, Izd-vo standartov, 1963. 300 p. (SSSR. Gosudarstvennyi standart)

EMEL'IANOV, N. P., A. A. VEL'MIN, and V. V. KOLOCHENKO. [Build-up welding of automatic [illegible] parts using a lying lamellar electrode under flux] Naplavka detalei avtosteпki pod flusom [illegible] plastinchatym elektrodom. Moskva, Transzheldorizdat, 1963. 44 p. (Dostizhenie nauki i tekhniki v proizvodstvo)

EMEL'IANOV, P. M. [Machines for drilling blastholes with pneumatic hammers in underground workings and ways of increasing their productiveness] Mashiny dlia burenita vzryvnykh skvazhin pnevmaticheskimi [illegible] kami na podzemnykh gornykh rabotakh i puti [illegible] nita ikh proizvoditel'nosti. Pod red. N. N. [illegible] Moskva, Gosgortekhizdat, 1963. 34 p.

EPIFANOV, S. P., V. I. POLIAKOV, and A. L. AI[illegible] VICH. [Operator of tower cranes] Mashinist bashennykh kranov. Izd. 3., ispr. i dop. Moskva, Profizdat, 1963. 317 p.

ERISTOV, V. S., ed. [Design and construction of hydraulic tunnels and underground hydroelectric power stations] Proektirovanie i sooruzhenie gidrotekhnicheskikh tunnelei i podzemnykh GES; [illegible] sovoshchnatia. Moskva, Gosenergoizdat, 1963. 231 p.

ERMILOV, A. A. [Principles of electric power [illegible] industrial enterprises] Osnovy elektroenergetiki promyshlennykh predpriiatii. Moskva, Gosenergoizdat, 1963. 343 p.

FAINBERG, S.IU., and FILIPPOVA, N.A. [Analysis of nonferrous metal ores] Analiz rud tsvetnykh metallov. 3., ispr. i dop. izd. Moskva, Metallurgizdat, 1963. 871 p.

FAN-IUNG, A.F. [Design and planning of canning plants] Proektirovanie konservnykh zavodov. Moskva, Pishchepromizdat, 1963. 271 p.

FARAMAZOV, S.A. [Complete mechanization and automation of the production of solid oil asphalt] Kompleksnaia mekhanizatsiia i avtomatizatsiia proizvodstva tverdykh neftianykh bitumov. Leningrad, Gostoptekhizdat, 1963. 122 p.

FASMAN, V.B. [Operational design of a grain elevator] Operativnyi raschet raboty elevatora. Moskva, Zagotizdat, 1963. 84 p.

[FIND THE LOGICAL WAY] Naiti razumnoe. Tambov, Tambovskoe knizhnoe izd-vo, 1962. 16 p. (Bibliotechka novatora, no. 6)

FIRSOV, S.I. [Progressive organization of the work of technical inspection points] Peredovaia organizatsiia raboty punktov tekhnicheskogo osmotra. Moskva, Transzheldorizdat, 1963. 129 p.

GADIEV, S.M. [Characteristics of cluster drilling] Osobennosti ekspluatatsii kustovykh skvazhin. Moskva, Gostoptekhizdat, 1963. 182 p.

GALLAI, M.L. [Tested in the sky, continuation of the memoirs of a test pilot, "Over invisible barriers"] Ispytano v nebe, prodolzhenie zapisok letchika-ispytatelia "Cherez nevidimye bar'ery." [Moskva] Molodaia gvardiia, 1963. 287 p.

GAL'PERSHTEIN, L.IA. [New sources of energy] Novye istochniki energii. Moskva, Izd-vo "Znanie," 1963. 54 p. (Narodnyi universitet kul'tury. Estestvennonauchnyi fakul'tet, no. 6)

GANDIN, V.G., and L.M. FISHMAN. [Equipment and devices for repairing electrical machines] Osnastka i pribory dlia remonta elektricheskikh mashin. Leningrad, Sudpromgiz, 1963. 223 p.

GANTS, N.I., and others. [Preparing passenger cars for high-speed traffic, experience of the Oktiabr' Railroad] Podgotovka passazhirskikh vagonov dlia skorostnogo dvizheniia; opyt Oktiabr'skoi dorogi. Moskva, Transzheldorizdat, 1963. 47 p.

GARBUZ, G.A. [Steel production in oxygen converters] Proizvodstvo stali v kislorodnykh konverterakh; tematicheskii obzor. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1963. 71 p.

GAUZIT, MAURICE, and THEO KAHAN. [Control of nuclear reactors. Translated from the French] Upravlenie iadernymi reaktorami. Pod obshchei red. L.IA. Emel'ianova. Moskva, Atomizdat, 1960. 173 p. Tables.
(NIC)

GAVRILOV, F.F., V.S. BEZEL', and B.L. DVINIANINOV [Safety measures in X-ray defectoscopy] Bezopasnost' raboty rentgenologa pri defektoskopii. Moskva, Mashgiz, 1963. 77 p. (Biblioteka kontrolera – mashinostroitelia, no. 6)

GAVRILOVA, N.A., comp. [Preparing metal surfaces for electroplating; a bibliographic index] Podgotovka poverkhnosti metallov pod gal'vanicheskie pokrytiia; bibliograficheskii ukazatel'. Pod red. S.IA. Grilikhesa. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962. 36 p.

GEBLER, I.V., and N.M. SMOL'IANINOVA. [The problem of metallurgical fuel for the metallurgy of Tomsk Province iron ores] Problema metallurgicheskogo topliva dlia ispol'zovaniia zheleznykh rud Tomskoi oblasti. [Tomsk] Izd-vo Tomskogo univ., 1959. 14 p.
[MICROFILM]

GEL'MAN, E.M. [DT-54A tractor] Traktor DT-54A. Moskva, Proftekhizdat, 1963. 150 p.

GIBSHMAN, E.E. [New developments in the construction of reinforced-concrete bridges] Novoe v stroitel'stve zhelezobetonnykh mostov; konferentsiia po zhelezobetonnym mostam v Smolenitse. Moskva, Avtotransizdat, 1963. 49 p.

GINTSBURG, M.G. [Construction and operation of motorcycles] Ustroistvo i obsluzhivanie mototsiklov. Izd. 2., perer. Moskva, Mashgiz, 1963. 316 p.

GINZBURG, D.B., ed. [Uses of natural and liquefied gases] Ispol'zovanie prirodnogo i szhizhennogo gazov. Moskva, Gostoptekhizdat, 1963. 241 p.

GLAZ, A.I. [Manual for beginning electricians] Spravochnik molodogo elektrotekhnika. 5,dop. izd. Moskva, Proftekhizdat, 1963. 392 p.

GLEBOV, V.A. [Regulation of electrical machines and the traction characteristics of a diesel locomotive] Regulirovanie elektromashin i tiagovye kharakteristiki teplovoza, uchebnoe posobie po distsipline "Elektromashiny i elektrooborudovanie teplovozov" dlia studentov V i VI kursov spetsial'nosti "Teplovozy i teplovoznoe khoziaistvo." Moskva, Vses. zaochnyi in-t inzhenerov zhel-dor. transporta, 1963. 33 p.

GLINKOV, M.A., ed. [Metallurgical furnaces] Metallurgicheskie pechi. [By] D.V. Budrin i dr. Moskva, Metallurgizdat.
Pt. 1. [Fuel, refractories, principles of heat engineering processes] Toplivo, ogneupory, osnovy pechnoi teplotekhniki. 1963. 436 p.

GONCHAROV, G.I. [Drawing threaded parts and joints] Vychercivanie rez'bovykh detalei i soedinenii, uchebnoe posobie. Leningrad, Leningr. elektrotekhnicheskii in-t, 1962. 62 p.

GOROIAN, V.I. [Study of the processes of gas separation from petroleum, calculation of reserves and selection of oil-field equipment] Izuchenie protsessov razgazirovaniia nefti, dlia podscheta zapasov i vybora skhemy obustroistva promysla. Moskva, Gostoptekhizdat, 1963. 105 p.

GOROKHOVSKII, IU.N., and T.M. LEVENBERG. [General sensitometry, theory and practice] Obshchaia sensitometriia, teoriia i praktika. Moskva, Izd-vo "Iskusstvo," 1963. 301 p.

GORSKII, V.V. [What an electrician should know about electric equipment installation operations] Chto nuzhno znat' elektromontazhniku pri elektromontazhnykh rabotakh. Moskva, Gosenergoizdat, 1963. 60 p. (Biblioteka elektromontera, no. 100)

GRANATMAN, V.V., V.I. DANILOV, and A.IA. KIRIACHEK. [Industrial contactless apparatus with discrete action] Promyshlennaia beskontaktnaia apparatura diskretnogo deistviia, obzor. Leningrad, 1963. 102 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Pribory i elementy avtomatiki)

GRIGOR'EV, V.S. [Technology of manufacturing porous slag fillers for lightweight concrete] Tekhnologiia proizvodstva poristykh shlakovykh zapolnitelei dlia legkikh betonov. Kiev, Gosstroiizdat USSR, 1963. 143 p.

GRINBERG, G.S., and R.S. DEICH. [Unit devices of electrical systems with ratings up to 500 volts] Komplektnye ustroistva elektrotekhnicheskikh ustanovok do 500 v. Moskva, Gosenergoizdat, 1963. 69 p. (Biblioteka elektromontera, no. 101)

GRINBERG, L.M. [Karakum Canal] Karakumskii kanal. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 150 p.

GRITSEV, N.D. [Casinghead gases and trap petroleums in Bashkiria] Poputnye gazy i trapnye nefti Bashkirii. Ufa, Bashkirskoe knizhnoe izd-vo, 1960. 157 p.
[MICROFILM]

GUBENKO, A.B., ed. [Inflatable structures] Pnevmaticheskie stroitel'nye konstruktsii. [By] A.D. Gubenko i dr. Moskva, Gosstroiizdat, 1963. 125 p.

GUREVICH, V.Z. [Electrical infrared radiators] Elektricheskie infrakrasnye izluchateli. Moskva, Gosenergoizdat, 1963. 53 p. (Biblioteka elektrotermista, no. 15)

GURIN, A.S., L.V. DROZDOV, and M.M. MOGILEVSKII. [Telephony] Telefoniia. Moskva, Voenizdat, 1963. 397 p.

GUSEV, L.M. [Design of street-cleaning motortrucks] Raschet i konstruktsii podmetal'no-uborochnykh mashin. Moskva, Mashgiz, 1963. 203 p.

[HOME CANNING AND PROCESSING OF AGRICULTURAL PRODUCTS] Konservirovanie i pererabotka sel'skokhoziaistvennykh produktov v domashnikh usloviiakh. [By] D.P. Belousov i dr. Moskva, Sel'khozizdat, 1963. 406 p.

IABLONSKII, V.S., and I.A. ISAEV. [Collection of problems and exercises in applied hydromechanics] Sbornik zadach i uprazhnenii po tekhnicheskoi gidromekhanike. Moskva, Fizmatgiz, 1963. 200 p.

IAKOVLEV, M.N. [Laboratory work in electrical engineering] Laboratornye raboty po elektrotekhnike, uchebnoe posobie dlia studentov tekhnologicheskogo i tovarovednogo fakul'tetov. Pod. red. L.K. IAkimova. Moskva, In-t nar. khoz., 1963. 108 p.

IAKUBOVSKII, IU.V. [Inductive methods of electric prospecting] Induktivnye metody elektrorazvedki. Moskva, Gosgeoltekhizdat, 1963. 210 p.

IASNYI, V.K., and A.F. PANKRAT'EV. [The coal industry of capitalist countries] Ugol'naia promyshlennost' kapitalisticheskikh stran. Moskva, Gosgortekhizdat.
Vol. 4. Pt. 1. [Electric supply, communication, signalization and lighting] Elektrosnabzhenie, sviaz', signalizatsiia i osveshchenie. Otv. redaktory V.S. Tulin, V.K. IAsnyi. 1963. 314 p.

IL'IN, A.P. [Universal topographical tables] Universal'nye topograficheskie tablitsy. [Alma-Ata] Kazakhskii sel'khoz. in-t, 1962. 350 p.

IL'IN, B.M. [Designs for tabular material in the preparation of manuscripts for typesetting] Raschet tablits pri podgotovke rukopisi k naboru; iz opyta raboty. Moskva, Nauchn. tekhn. ob-vo poligrafii i izdatel'stv., 1963. 48 p.
[MICROFILM]

ILIUKOVICH, A.M. [Electric meters, their theory, calculation and design] Elektricheskie schetchiki; i teoriia, raschet i konstruktsii. Moskva, Gosenergoizdat, 1963. 383 p.

ILLARIONOV, V.V., and E.V. GERBURT, eds. [Vanadium catalysts for the manufacture of sulfuric acid by the contact process] Vanadievye katalizatory dlia kontaktnogo proizvodstva sernoi kisloty; sbornik statei. Moskva, Goskhimizdat, 1963. 73 p.

[IMPROVING MINE VENTILATION METHODS IN HYDRAULIC MINING] Sovershenstvovanie sposobov provetrivaniia vyrabotok gidrodobychi. [By] F.S. Klebanov i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 156 p.

INSTITUT TEKHNICHESKOI INFORMATSII I EKONOMICHESKIKH ISSLEDOVANII PO NEFTIANOI I GAZOVOI PROMYSHLENNOSTI. [Isothermal storage of liquefied gases] Izotermicheskoe khranenie szhizhennykh gazov. Moskva, 1962. 65 p. (Tematicheskii nauchno-tekhnicheskii sbornik. Seriia: Gazobenzinovoe proizvodstvo: ispol'zovanie prirodnogo i szhizhennogo gazov)

INSTITUT TEKHNICHESKOI INFORMATSII I EKONOMICHESKIKH ISSLEDOVANII PO NEFTIANOI I GAZOVOI PROMYSHLENNOSTI. [Protection of pipelines from corrosion. Translated from the German and English] Zashchita truboprovodov ot korrozii. Moskva, 1962. 91 p. (Perevody NoNo. 8-12/62 z.k.)
[MICROFILM]

INSTITUT TEKHNICHESKOI INFORMATSII I EKONOMICHESKIKH ISSLEDOVANII PO NEFTIANOI I GAZOVOI PROMYSHLENNOSTI. [Some problems in the development and operation of gas and gas-condensate fields] Nekotorye voprosy razrabotki i ekspluatatsii gazovykh i gazokondensatnykh mestorozhdenii. Moskva, 1962. 91 p. (Tematicheskii nauchno-issledovatel'skii sbornik. Seriia: Gazobenzinovoe proizvodstvo, ispol'zovanie prirodnogo i szhizhennogo gazov)

INSTITUT TEKHNICHESKOI INFORMATSII I EKONOMICHESKIKH ISSLEDOVANII PO NEFTIANOI I GAZOVOI PROMYSHLENNOSTI. [Use of gas in industry] Ispol'zovanie gaza v promyshlennosti. Moskva, 1962. 108 p. (Tematicheskii nauchno-tekhnicheskii sbornik. Seriia: Gazobenzinovoe proizvodstvo, ispol'zovanie prirodnogo i szhizhennogo gazov)

IONIN, A.A. [Fundamentals for the design of jet gas burners] Osnovy rascheta ezhektsionnykh gazovykh gorelok. Moskva, Gostoptekhizdat, 1963. 151 p.

ISKANDEROV, M.A. [Efficient development of gas-condensate fields; based on an analysis of the development of gas-condensate and gas-condensate oil fields of the Apsheron Peninsula] Ratsional'naia razrabotka gazokondensatnykh mestorozhdenii; na opyte analiza razrabotki gazokondensatnykh i gazokondensatneftianykh mestorozhdenii Apsheronskogo poluostrova. Pod red. M.F. Mirchinka. Moskva, Gostoptekhizdat, 1963. 68 p.

ISTOMIN, L. I., A. K. SHUBNIKOV, and V. M. POPOV. [Linear programming in the planning of the fuel and electric-power supply for railroad transportation] Lineinoe programmirovanie v planirovanii toplivo- i energosnabzheniia zheleznodorozhnogo transporta. Moskva, Transzheldorizdat, 1963. 178 p.

IUDIN, V. A. [Design of kinematic systems of mechanisms] Proektirovanie kinematicheskikh skhem mekhanizmov; prakticheskoe rukovodstvo i proektirovaniiu po kursu teorii mekhanizmov i mashin. Moskva, Izd-vo "Iskusstvo," 1963. 216 p.

IUDIN, V. A., and G. A. BARSOV. [Collection of problems and examples in the theory of mechanisms and machines] Sbornik zadach i primerov po teorii mekhanizmov i mashin. [n. p.] Rostvuzizdat, 1963. 282 p.

IVANOV, E. S., G. V. MORUSHKIN, and S. A. SAATCHAN. [Mechanization experiments at the Khalturina Furniture Factory] Opyt mekhanizatsii na mebel'noi fabrike im. Khalturina. Leningrad, 1963. 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom, Serilia Derevoobrabatyvaiushchaia promyshlennost', no. 1)

KABARDIN, G. A., and M. M. ZAITOV. [Using a single pipe for gathering oil and gas] Odnotrubnyi sbor produktsii skvazhin. Moskva, Gostoptekhizdat, 1963. 83 p.

KALIKHOVICH, V. N. [Traction gearing of electric locomotives] Tiagovye zubchatye peredachi elektricheskikh lokomotivov. Moskva, Transzheldorizdat, 1963. 67 p. (Bibliotechka mashinista elektrovoza)

KALININ, A. G., IU. S. VASIL'EV, and A. S. BRONZOV. [Orienting deflecting drilling systems] Orientirovanie otklonitel'nykh sistem v skvazhinakh. Moskva, Gostoptekhizdat, 1963. 149 p.

KALOSHIN, A. I. [The "Belarus'" MTZ-5 tractor] Traktor "Belarus'" MTZ-5. Moskva, Profitekhizdat, 1963. 142 p.

KARAEV, R. I. [Transients in long-distance power transmission lines] Perekhodnye protsessy v linifakh bol'shoi protiazhennosti. Moskva, Gosenergoizdat, 1963. 135 p.

KARAKULEV, A. V. [Diesel hammers] Dizel'-moloty. Moskva, Mashgiz, 1963. 170 p.

KARVATSKII, S. B., M. P. KRASNIKOV, and G. A. TERPUGOV. [SKTs-62 code interlocking system] Kodovaia tsentralizatsiia sistemy SKTs-62. Moskva, Transzheldorizdat, 1963. 30 p. (Dostizheniia nauki i tekhniki v proizvodstvo)

KASHIRINA, V. M., A. K. APRAKSINA, and R. M. IVANOVA. [New equipment in the meat industry] Novoe oborudovanie v miasnoi promyshlennosti, po materialam tematicheskoi vystavki na VDNKh SSSR. Moskva, TSentr. in-t nauchno-tekhn. informatsii po pishchevoi promyshl., 1963. 112 p. (Tekhnicheskaia informatsiia) *(MICROFILM)*

KAS'IANOV, S. F. [Mechanization and automatic control in ferrous metallurgy] Mekhanizatsiia i avtomatizatsiia v chernoi metallurgii. Moskva, Metallurgizdat, 1963. 351 p.

KAZAKOV, A. T. [Methods and equipment for blasting operations in seismic *prospecting*] *Metodika i tekhnika* vzryvnykh rabot pri seismorazvedke. Izd. 2., perer. i dop. Moskva, Gostoptekhizdat, 1963. 282 p.

KERIMOV, G. I. [Petrology and ore potential of the Kedabek ore deposit (Azerbaijan S. S. R.)] Petrologiia i rudonostnost' Kedabekskogo rudnogo uzla (Azerbaidzhanskaia SSR). Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 223 p.

KHALAMEIZER, M. B. [Fundamentals of the automatic control of air-conditioning systems] Osnovy avtomaticheskogo regulirovaniia ustanovok iskusstvennogo klimata. Moskva, Mashgiz, 1963. 215 p.

KHANOVICH, I. G. [Potential interference rejection of telecommunication systems] Potentsial'naia pomekhoustoichivost' sistem *sviazi, uchebnoe posobie*. Leningrad, Leningr. elektrotekhn. in-t sviazi, 1962. 78 p.

KHAR'KOVSKII TRAKTOROSBOROCHNYI ZAVOD. [KhTZ-7 *tractor, manual on its* design, maintenance and operation] Traktor KhTZ-7, rukovodstvo po ustroistvu i ukhodu v ekspluatatsii. 3 izd., dop. i *ispr. Pod obshchei red. S. A. Serikova*. Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1955. 194 p.

KHORIN, V. N. [Hydraulic drives for mining equipment; their design and construction] *Gidroprivod rabochego* oborudovaniia; raschet i konstruktsiia. Moskva, Gosgortekhizdat, 1963. 407 p.

KIRIENKOV, K. K., and P. I. HNYP. Viktor Vasyl'ovych Danylevs'kyi. Kyiv, Vyd-vo Akad. nauk Ukrainskoi RSR, 1963. 42 p. (Vcheni Ukrains'koi RSR)

KHVASTUNOV, N. G. [Using Leningrad city gas in cutting metals] Rezka metalla s primeneniem leningradskogo gorodskogo gaza. Leningrad, 1963. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Serilia Svarka, rezka i paika metallov, no. 3)

KIREEV, M. I., and A. I. KOVARSKII. [Installation and operation of the electrical equipment of electric power plants, substations, and electric power transmission lines] Montazh i ekspluatatsiia elektrooborudovaniia stantsii, podstantsii i linii elektroperedachi. 2. izd., perer. i dop. Moskva, Profitekhizdat, 1963. 414 p.

KITAEV, V. E., and L. S. SHLIAPINTOKH. [Electrical engineering with principles of industrial electronics] Elektrotekhnika s osnovami promyshlennoi elektroniki. Moskva, Profitekhizdat, 1963. 411 p.

KLAUS, P. L., ed. [Operation of road, construction, and loading and unloading machines] Ekspluatatsiia putevykh, *stroitel'nykh* i pogruzochno-razgruzochnykh mashin. [By] S. M. Asheko i dr. Moskva, Transzheldorizdat, 1963. 302 p.

KLIUEV, S. A., and V. N. MIKHAILOVA. [Electrical lighting of buildings having no windows or skylights] Elektricheskoe osveshchenie besfonarnykh zdanii. Moskva, Gosenergoizdat, 1963. 62 p. (Biblioteka elektromontera, no. 97)

KOKHTEV, A. A. [Technical and economic fundamentals of standardization in the machinery industry] Tekhniko-ekonomicheskie osnovy standartizatsii v mashinostroenii. Izd. 2., perer. i dop. Moskva, Mashgiz, 1963. 430 p.

KOKIN, A. D. [New techniques in the finishing of buildings] Novoe v otdelke zdanii. [Moskva] Mosk. rabochii, 1963. 63 p.

KOKOREV, V. A., and IU. V. KURENKOV. [Design dimensional series for looms] Konstruktivnye razmernye riady tkatskikh stankov. Moskva, TSentr. in-t nauchno-tekhn. informatsii po avtomatizatsii i mashinostroeniiu, 1963. 106 p. (Novye mashiny, oborudovanie i sredstva avtomatizatsii)

[MICROFILM]

KOLOSKOV, S. P. [Mechanization of production processes in the distilling industry] Mekhanizatsiia proizvodstvennykh protsessov v spirtovoi promyshlennosti. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 58 p.

[MICROFILM]

KORABLEV, P. A., and V. M. SUMINOV. [Automatic control of the readjustment of cutting tools on *automatic lathes*] *Avtomatizatsiia* podnastroiki instrumenta na tokarnykh avtomatakh. Moskva, Mashgiz, 1963. 129 p.

KORELIN, D. S., F. A. LAPIR, and R. A. LOLEIT. [Assembly of the technological equipment of construction industry enterprises] Montazh tekhnologicheskogo oborudovaniia predpriiatii stroitel'noi industrii. Moskva, Gosstroiizdat, 1963. 230 p.

KORNEEV, S. G. [Secrets of creative activity] Tainy tvorchestva. Tambov, Tambovskoe knizhnoe izd-vo, 1962. 31 p. (Bibliotechka novatora, no. 9)

KOROBKINA, G., and K. MINSKII. *[From wonderful ear-corn]* Iz chudesnogo pochatka. Moskva, Gostorgizdat, 1963. 98 p.

KOROVIAKOVSKII, I. G. [Electric insulating materials in the construction of high-*voltage switches and current* transformers] Elektroizoliatsionnye materialy v konstruktsiiakh vykliuchatelei i transformatorov toka vysokogo napriazheniia. Moskva, *Gosenergoizdat*, 1963. 87 p.

KOSHEVOI, O. K., and D. D. CHEGODAEV. [Casting and molding of articles of polymeric-monomeric composition] Lit'e i formovanie izdelii iz polimer-monomernykh kompozitsii; stenogramma lektsii. Leningrad, 1963. 51 p. (Leningradskii dom nauchno-*tekhnicheskoi propagandy. Serilia* Primenenie plastmass sinteticheskikh kauchukov i kremniiorganicheskikh soedinenii v mashinostroenii i *priborostroenii*)

KOSHKIN, V. K., L. M. MAIZEL', and B. M. LIBERMAN. DIK. [Free-piston gas producers for gas-turbine units] Svobodnoporshnevye generatory gaza dlia gazoturbinnykh ustanovok. Moskva, Mashgiz, 1963. 280 p.

KOSMACHEV, I. G. [Handbook for metal-cutting machine makers] Spravochnaia kniga instrumental'shchika. [Leningrad] Lenizdat, 1963. 358 p.

KOSOLAPOV, V. G. [Safety manual for drilling crew operators] Pamiatka po tekhnike bezopasnosti dlia mashinistov buril'no-kranovykh mashin. Moskva, Gosstroiizdat, 1963. 16 p. (Tekhnika bezopasnosti v stroitel'stvo)

KOSOLAPOV, V. G. [Safety manual for pile-driver operators] Tekhnika bezopasnosti na svainykh ralotakh. Moskva, Gosstroiizdat, 1963. 50 p.

KOSYREV, L. A. [Superhigh frequency modulator generators and amplifiers] Molekuliarnye generatory i usiliteli sverkhvysokikh chastot. Moskva, Vysshaia shkola, Izdat, 1963. 76 p.

KOTLIARENKO, N. I., N. K. MANOSHIN, and I. A. PUSTYNTSEVA. [Track circuits] Rel'sovye tsepi. Moskva, Transzheldorizdat, 1963. 143 p. (Bibliotechka elektromekhanika SSSR i zarubezhnykh)

KOVACHEVICH, P. M., I. A. FAINER, and A. P. SHISHKOV. [Handbook for the young miner] Spravochnik molodogo shakhtera. Kemerovo, Kemerovskoe knizhnoe izd-vo, 1962. 365 p.

KOVRIGIN, S. D., and E. M. ARIEVICH. [Sound-proofing apartment houses] Umen'shenie shumov v zhilykh domakh. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 87 p.

KRASHENINNIKOV, E. M., and others. [Manual for machines at lumbering enterprises] Tekhnika bezopasnosti i obsluzhivanie mashin na lesozagotovitel'nykh i derevoobrabatyvaiushchikh predpriiatiiakh. Pod red. E. M. Krasheninnikova. [Petrozavodsk], Karel'skoe knizhnoe izd-vo, 1963. 204 p.

KRASIL'NIKOV, G. A. [Oil and water cooling of oil transformers of the V. I. Lenin Volga Hydroelectric Power Station] Masliano-vodianoe okhlazhdenie transformatorov Volzhskoi TES imeni V. I. Lenina. Moskva, Gos. energ. izd-vo, 1960. 46 p.

KRASNOIARSKOE GEOLOGICHESKOE UPRAVLENIE. Nauchno-tekhnicheskoe obshchestvo (gornoe). [Pioneers of the Krasnoyarsk Geological Administration in the struggle for communist labor] Geologi Tarnichki Krasnoiarskogo geologicheskogo upravleniia v bor'be za kommunisticheskii trud. Krasnoiarsk, 1963. 36 p.

[MICROFILM]

KRAUZE, G. N. [Equipment of rolling mills, design, assembly and operation] Oborudovanie prokatnykh stanovi iz opyta proektirovaniia, montazha i ekspluatatsii. Moskva, Mashgiz, 1963. 260 p.

KREINDLIN, L. N., and L. IA. DROZDOV. [Manual for board in building] Primenenie drevesno-struzhechnykh plit v stroitel'stvo. Moskva, TSentr. in-t tekhn. informatsii i ekonom. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963. 62 p. (Derevoobrabotka)

[MICROFILM]

KURNYCHEV, E. F. [Handbook for the adjuster of machine tools] V pomoshch' nastroishchiku tokarnykh lorezhushchikh stankov. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1963. 122 p.

KUROVSKII, F. M. [Theory of flat mechanisms with *flexible* links] Teoriia ploskikh mekhanizmov s gibkimi zven'iami. Moskva, Mashgiz, 1963. 203 p.

KUTIANIN, G. I. [Macromolecular compounds and their importance in the expansion of the production of consumers' goods] Vysokomolekuliarnye soedineniia i ikh znachenie v rasshirenii proizvodstva tovarov narodnogo potrebleniia; lektsiia po kursu "Tekhnologiia promyshlennykh tovarov." Moskva, Znanie, 1963. 21 p.

[MICROFILM]

KUVAEVA, A. P. [Collection of course work calculation problems for a course on the principles of electric drives] Sbornik zadanii na kursovye raschetnye raboty po kursu osnovy elektroprivoda. Redaktor A. T. Golovan. Moskva, Mosk. energ. in-t, 1961. 122 p.

LABKOVSKII, S S [Finishing particle boards with polyvinyl chloride films] Otdelka struzhechnykh plit polivinilkhloridnymi plenkami Moskva, TSentr in-t tekhn informatsii i ekon issl po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963. 55 p (Derevoobrabotka)

[MICROFILM]

LAKEDEMONSKII, A V., and V E KHRIAPIN [Welder's handbook] Spravochnik patal'shchika Izd. 2., perer. Moskva, Mashgiz, 1963. 440 p.

LAMAN, N K. [Development of metal drawing techniques] Razvitie tekhniki volocheniia metallov Moskva, Izd-vo Akad. nauk SSSR, 1963 233 p

LASHKOV, A. S. [Ultrasonic investigation of the cavitation of hydraulic machinery] Ul'trazvukovoi metod issledovaniia kavitatsii gidravlicheskikh mashin; stenogramma lektsii. Leningrad, 1963. 32 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serila: Elektricheskie metody obrabotki materialov)

LAVRENT'EV, V. I., and V. G PELL' [High-speed motion-picture photography with the SkS-1 camera] Skorostnaia kinos"emka kameroi SKS-1 Moskva, Izd-vo "Iskusstvo," 1963 221 p

LEKAE, V. M., and L N. ELKIN. [Modern methods of sulfur recovery from sulfur ores] Sovremennye sposoby polucheniia sery iz serunykh rud, uchebnoe posobie Pod red. N S, Ul'ianova. Moskva, Mosk. khimiko-tekhnologicheskii in-t im. D I Mendeleeva, 1961. 75 p

LENINGRAD. UNIVERSITET. [Electromagnetic sounding and magnetotelluric methods of prospecting] Elektromagnitnoe zondirovanie i magnito-telluricheskie metody razvedki, materialy Vsesoiuznoi konferentsii, aprel' 1961 g [Leningrad] 1963. 199 p

LENINGRAD. VSESOIUZNYI GOSUDARSTVENNYI INSTITUT NAUCHNO-ISSLEDOVATEL'SKIKH I PROEKTNYKH RABOT OGNEUPORNOI PROMYSHLENNOSTI. [Enumeration of standards and specifications for articles of the refractories industry and for raw materials used in their production as of October 1, 1959] Perechen' deistvuiushchikh standartov i tekhnicheskikh uslovii na izdeliia ogneupornoi promyshlennosti i tekhnodnye materialy dlia ikh proizvodstva (po sostoianiiu na 1 oktiabria 1959 goda). Sost. A. G. Marants, i L. D Derevianchenko. Leningrad, 1959. 71 p.

LENINGRAD VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII MARKSHEIDERSKII INSTITUT [Handbook on conducting tests of the three-dimensional resistance of rocks to compression] Rukovodstvo po provedeniiu ispytanii ob"emnoi prochnosti na szhatie gornykh porod. Leningrad, 1962. 55 p

LENINGRADSKII DOM NAUCHNO-TEKHNICHESKOI PROPAGANDY. [Spectrum analysis in Leningrad industries, from the experience of some spectral laboratories] Spektral'nyi analiz v Leningradskoi promyshlennosti; iz opyta raboty nekotorykh spektral'nykh laboratorii. Leningrad, 1963 52 p.

LEONT'EV, L. P. [Introduction to the theory of reliability of radioelectronic apparatus] Vvedenie v teoriiu nadezhnosti radioelektronnoi apparatury, Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1963. 186 p.

LESICHEV, D. A. [Selective plugging of wells] Razdelitel'nyi tamponazh v skvazhinakh Moskva, Gostoptekhizdat, 1963 57 p (Obmen peredovym tekhnicheskim opytom)

LEVCHENKO, E. S., E. N. BODKOVA, and E. A. PONOMAREVA. [Petroleums of the Northern Caucasus] Nefti Severnogo Kavkaza, spravochnaia kniga. Moskva, Gostoptekhizdat, 1963. 335 p.

LEVIN, E. E., and E. M. PIVNIK. [Progressive methods of heat treatment for heat-resistant alloys high in addition elements] Progressivnye metody termicheskoi obrabotki vysokolegirovannykh zharoprochnykh splavov. Leningrad, 1963. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom Serila Metallovedenie i termicheskaia obrabotka, no. 4)

LEVITSKII, D. A. [Operation and repair of the mechanical equipment of sintering plants] Eksploatatsiia i remont mekhanicheskogo oborudovaniia aglomeratsionnykh fabrik. Moskva, Metallurgizdat, 1963. 251 p.

LEVKOVSKAIA, I. S., and N. IA. IUVACHEVA, comps. [Patents] Patentnoe delo. Pod red. V. S. Fedorova. Leningrad, 1963 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serila: Metodika postanovki nauchno-tekhnicheskoi informatsii i propagandy)

LIANDO, I M. [Burning of fuel mazut and gas in industrial boilers] Szhiganie topochnogo mazuta i gaza v promyshlennykh kotel'nykh Moskva, Gos. energ. izd-vo, 1963. 206 p.

LIGERMAN, I. I. [Ventilation of the electrical machines of industrial enterprises] Ventiliatsiia elektricheskikh mashin promyshlennykh predpriiatii Moskva, Gosenergoizdat, 1963. 69 p. (Biblioteka elektromontera, no 96)

LIPMAN, R A [Transistorized relays] Poluprovodnikovye rele. Moskva, Gosenergoizdat, 1963 95 p. (Biblioteka po avtomatike, no. 81)

LIVSHITS, B. G. [Metallography] Metallografiia. Moskva, Metallurgizdat, 1963. 422 p.

LIVSHITS, B. I [Technological processes of the manufacture and assembly of cam mechanisms] Tekhnologiia izgotovleniia i sborki kulachkovykh mekhanizmov. Moskva, Mashgiz, 1963. 169 p.

LOBACHEV, P V., and E. L LOBACHEV [Study of materials used in sanitary engineering] Materialovedenie (po santekhnike). Moskva, Gosstroizdat, 1963 187 p.

LOBOTSKAIA, E. S. [Treasures of the "Black sphere"] Sokrovishcha "Chernogo shara," Tambov, Tambovskoe knizhnoe izd-vo, 1962. 11 p. (Bibliotechka novatora, no. 7)

LOSEV, M. T., and others. [Labor productivity in petroleum production] Proizvoditel'nost' truda v dobyche nefti Moskva, Gostoptekhizdat, 1963. 152 p.

LUBIANITSKII, G. D [Ultrasonic cleaning of parts] Tekhnologiia ul'trazvukovoi ochistki detalei Leningrad, 1963 16 p (Leningradskii dom nauchno-tekhnicheskoi propagandy Obmen peredovym opytom Serila. Elektricheskie metody obrabotki materialov, no. 6)

LUSHNIKOV, V. N. [Labor consumption in lumbering production] Trudoemkost' lesoproduktsii Novosibirsk, Izd-vo Sibirskogo otd-niia Akad. nauk SSSR] 1963. 101 p.

LYLOV, D V., V. V. SUSLENNIKOV, and A. V. ZAZOVIT [Special purpose motor vehicles for fire prevention] Avtomobili spetsial'nykh sluzhb pozharnoi okhrany. Moskva, Izd-vo M-va kommun khoz RSFSR, 1960 274 p

[MAKE FRIENDS WITH THE RAINBOW] Druzhit' s radugoi, Tambov, Tambovskoe knizhnoe izd-vo, 1962. 16 p. (Bibliotechka novatora, no. 4)

MAKHNOVICH, A. T. [Safety manual for workers repairing equipment in the molding shops of reinforced-concrete plants] Pamiatka po tekhnike bezopasnosti dlia rabochikh po remontu oborudovaniia formovochnykh tekhov zavodov zhelezobetonnykh izdelii. Moskva, Gosstroiizdat, 1963. 31 p. (Tekhnika bezopasnosti v stroitel'stve)

MALOV, A. N. [Technology of cold stamping] Tekhnologiia kholodnoi shtampovki, Izd. 3., perer. Moskva, Oborongiz, 1963. 563 p.

MAN'KOVSKII, G. I., O. A. DOLGOV, and N. N. ERSHOV. [Nomograms for calculating the freezing of rocks] Nomogrammy dlia raschetov zamorazhivaniia gornykh porod. Moskva, Institut gornogo dela, 1963. 50 p., charts.

[MANUAL ON THE TRANSPORTATION OF PERISHABLE GOODS] Spravochnik po perevozke skoroportiashchikhsia gruzov. [By A. D. Vinokurov i dr.] Moskva, Transzheldorizdat, 1963. 323 p.

MARHOLYN, H. H. [Repair of radio receivers] Remont radiopryimachiv. 3,vypravlene ta dop vydannia. Kyiv, Derzhmekhvydav URSR, 1963. 179 p.

MARKOVNIKOV, V. L., and D. I. PERKIS. [Textbook for trolley bus drivers] Uchebnoe posobie dlia voditelia trolleibusa. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 247 p.

MASLENNIKOV, N. P. [Concise handbook for hydraulic engineers] Kratkii spravochnik gidromekhanizatora. [Komerovo] Komerovskoe knizhnoe izd-vo, 1963. 179 p.

[MECHANIC FOR REPAIRING MOTOR VEHICLES AND TRACTORS] Slesar' po remontu avtomobilei i traktorov. [By] B. G. Baer i dr. Moskva, Mashgiz, 1963. 318 p.

MEDEL', V. B. [Design of the mechanical part of electric rolling stock] Proektirovanie mekhanicheskoi chasti elektropodvizhnogo sostava Moskva, Transzheldorizdat, 1963 422 p

MEDVEDEV, IU. I. [The path of metallurgy] Put' metallurgii. Moskva, Izd-vo "Znanie," 1963 46 p (Novoe v zhizni, nauke, tekhnike. IV Serila Tekhnika, no. 17)

MLDVID', M. V. [Automatic orientation feed units and mechanisms] Avtomaticheskie orientiruiushchie zagruzochnye ustroistva i mekhanizmy, Moskva, Mashgiz, 1963. 208 p.

MLERSON, F. G. [Modern drill pipes and fishing tools] Sovremennye buril'nye truby i lovil'nyi instrument. Moskva, Gostgeoltekhizdat, 1963 24 p.

MLERSON, S. I. [Electrical engineering and power supply sources for railroad CTC and communication systems] Elektrotekhnika i istochniki pitaniia ustroistv STsB i sviazi, Izd, 2., perer. i dop. Moskva, Transzheldorizdat, 1963. 403 p.

MEL'NIKOV, E. E [New developments in the mechanization of clothing production in the factories of the Administration of the Clothing Industry of the Leningrad City Executive Committee] Novoe v mekhanizatsii shveinogo proizvodstva na fabrikakh Upravleniia shveinoi promyshlennosti Lengorispolkoma, stenogramma lektsii Leningrad, 1962 29 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serila Shveinaia promyshlennost')

[METAL HEATING BEFORE ROLLING] Nagrev metalla pered prokatkoi; spravochnik dlia rabochikh. [By] V. S. Gulkunov, i dr. Moskva, Metallurgizdat, 1963, 220 p.

MIKHAILOV, K. F. [Technical progress in petroleum production; practices of Ukrainian petroleum workers] Tekhnicheskii progress v dobyche nefti; opyt neftianikov Ukrainy. Moskva, Gostoptekhizdat, 1963. 51 p.

MININA, O. M. [Determination of the dynamic characteristics and parameters of standard control objects] Opredelenie dinamicheskikh kharakteristik i parametrov tipovykh reguliruemykh ob"ektov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 44 p.

[MINING MACHINES] Gornye mashiny [By] V. G. IAtskikh i dr. Moskva, Gosgortekhizdat, 1963. 382 p

MIRSKII, G. IA. [Radioelectronic measurements] Radioelektronnye izmereniia. Moskva, Gosenergoizdat, 1963. 527 p.

MIRZIANTS, G. [Present-day piston materials for transportation and stationary diesel engines, selection and piston development methodology according to the temperature conditions of the space inside the cylinder] Sovremennye porshnevye materialy transportnykh i statsionarnykh dizelei, podbor i metodika davaiki po temperaturnomu rezhimu vnutricilindrovogo prostranstva. Dushanbe, Tadzhikistanizdat, 1963. 42 p.

MOLDAVIAN S. S. R. Gosudarstvennaia planovaia komissiia [Index of the technological specifications for the Republic, effective as of January 1, 1963] Ukazatel' respublikanskikh tekhnicheskikh uslovii; po sostoianiiu na 1 ianvaria 1963 goda. Kishinev, 1963. 91 p.

MOSCOW. GOSUDARSTVENNAIA PUBLICHNAIA NAUCHNO-TEKHNICI
[Use of current inform
literature] Ispol'zov.
bibliografii v tekhnik
skoe posobie. Mosk
rabotnikam tekhniches.

MOSCOW. INSTITUT GOR
SKOCHINSKOGO. [Hydr
with high speed thin wat
rezanie prirodnogo kam
vysokoi skorosti; kratki
1963. 50 p.

MOSCOW. INSTITUT GOR
CHINSKOGO. [Loaders
transporation of loose
apparaty dlia vysokonap
sporta sypuchikh materi
nauk SSSR, 1963. 181 p.

MOSCOW. TSENTRAL'NA
SKAIA BIBLIOTEKA LE
MYSHLENNOSTI. [Pro
bibliographical index of
for 1960-1961] Proizvo
graficheskii ukazatel' ot
literatury za 1960-1961

719 - 838 O - 64 - 3

MOSCOW. TSENTRAL'NYI INSTITUT INFORMATSII TSVETNOI METALLURGII. [Breaking ore with slim holes] Otboika rudy shpurami malogo diametra. Moskva, 1963. 50 p. (Gornodobyvaiushchaiia promyshlennost')

MOSCOW. TSENTRAL'NYI INSTITUT INFORMATSII TSVETNOI METALLURGII. [Centralized control of flotation ore dressing plants] TSentralizovannyi kontrol' flotatsionnykh obogatitel'nykh fabrik. Moskva, 1963. 66 p. (Obogashchenie)

MOSCOW. TSENTRAL'NYI INSTITUT INFORMATSII TSVETNOI METALLURGII. [Oxygen is a powerful factor in the intensification of the processes for obtaining nonferrous metals] Kislorod – moshchnyi faktor intensifikatsii protsessov polucheniia tsvetnykh metallov. Moskva, 1963. 44 p. (Metallurgiia tiazhelykh tsvetnykh metallov i zolota)

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PISHCHEVOI PROMYSHLENNOSTI. [Testing of new equipment for the production of dry feeds] Ispytaniia novogo oborudovaniia dlia proizvodstva sukhikh kormov. Moskva, 1962. 30 p. (Tekhnicheskaia informatsiia)
[MICROFILM]

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII I PROEKTNO-EKSPERIMENTAL'NYI INSTITUT INDUSTRIAL'NYKH, ZHILYKH I MASSOVYKH KUL'TURNOBYTOVYKH ZDANII. [Provisional instructions for testing experimental, full-scale, three-dimensional blocks] Vremennye ukazaniia po ispytaniiu opytnykh naturnykh obraztsov ob'emnykh blokov. Moskva, Gosstroiizdat, 1963. 25 p.

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT KHLOPCHATOBUMAZHNOI PROMYSHLENNOSTI. [Abstracts of scientific research papers for the year 1961] Annotatsii nauchno-issledovatel'skikh rabot za 1961 god. Moskva, 1962. 137 p.

MOSCOW. VSESOIUZNYI INSTITUT PO PROEKTIROVANIIU ORGANIZATSII ENERGETICHESKOGO STROITEL'STVA "ORGENERGOSTROI." [Norms for the expenditure of metal and pipe in the manufacture of nonstandard heat equipment and low-pressure pipelines for thermal electric power plants] Normy raskhoda prokata i trub na izgotovlenie nestandartnogo teplomekhanicheskogo oborudovaniia i truboprovodov nizkogo davleniia dlia teplovykh elektrostantsii. Utverzhdeny Tekhnicheskim upravleniem Ministerstva stroitel'stva elektrostantsii (Reshenie No. 167 ot 31 iiulia 1961 g.). Moskva, "Orgenergostroi" 1962. 230 p.

MOSCOW. VSESOIUZNYI INSTITUT PO PROEKTIROVANIIU ORGANIZATSII ENERGETICHESKOGO STROITEL'STVA "ORGENERGOSTROI." [Piling operations in the construction of hydroelectric power stations] Shpuntovye raboty na stroitel'stvakh gidroelektrostantsii. Moskva, "Orgenergostroi," 1963. 39 p. (Iz opyta energeticheskogo stroitel'stva)
[MICROFILM]

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT VODOSNABZHENIIA, KANALIZATSII, GIDROTEKHNICHESKIKH SOORUZHENII I INZHENERNOI GIDROGEOLOGII. [Protecting areas from floods and the rise of ground water] Zashchita territorii ot zatopleniia i podtopleniia. Moskva, Gosstroiizdat, 1963. 267 p. (Gidrotekhnicheskie sooruzheniia)

MURAV'EV, A. A., and V. N. CHERTETSOV. [Initiative of Leningrad workers is spreading throughout the country, fair of innovations in White Russia] Pochin leningradtsev rasprostraniaetsia po strane; o iarmarke novatorskikh predlozhdenii v Belorussii. Leningrad, 1963. 9 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Obmen opytom nauchno-tekhnicheskoi informatsii i propagandy)

MUSATOV, T. P. [Operation of substations containing remote control systems] Ekspluatatsiia telemekhanizirovannykh podstantsii, opyt "Donbassenergo." Kiev, Gostekhizdat USSR, 1963. 22 p. (Obmen peredovym opytom)

NAGULA, G. E., V. S. KALISSKII, and A. I. MANZON. [Handbook for a driver of the third class] Uchebnik shofera tret'ego klassa. Izd. 5. Kiev, Gostekhizdat USSR, 1963. 437 p.

NAKHMANOVICH, B. M. [Preparation of solvents from corncobs] Poluchenie rastvoritelei iz kukuruznoi kocheryzhki. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1963. 53 p.

NAUCHNO-TEKHNICHESKAIA KONFERENTSIIA PO OBOBSHCHENIIU I RASPROSTRANENIIU PEREDOVOGO OPYTA ISSLEDOVATEL'SKIKH RABOT V OBLASTI LITEINOGO PROIZVODSTVA, Rostov-on-Don, 1961. [Materials from a scientific and technical conference of foundrymen] Materialy nauchno-tekhnicheskoi konferentsii liteishchikov. Pod obshchei red. R. I. Kecheka. Rostov-na-Donu, TSentr. biuro tekhn. informatsii, 1962. 173 p.
[MICROFILM]

NAZARENKO, U. P. [Operation of piston-type air compressors] Ekspluatatsiia vozdushnykh porshnevykh kompressorov. Moskva, Gosenergoizdat, 1963. 63 p. (Biblioteka elektromontera, no. 99)

NEFEDOV, S. I. [Tackle supply bases and their equipment] Tabelazhnye bazy i ikh oborudovanie. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963. 45 p. (Lesoekspluatatsiia)
[MICROFILM]

NIKIFOROV, V. M. [Brief course on the technology of metals] Kratkii kurs tekhnologii metallov. Izd. 4., perer. i dop. Moskva, Mashgiz, 1963. 368 p.

NIKOLAEV, N. I. [Flying ground-effect vehicle] Letaiushchii vezdekhod. Moskva, Voenizdat, 1963. 103 p.

NIURENBERG, V. A., and I. A. MLODZEEVSKAIA. [Fundamental principles of the design of automatic broadcast level regulators] Osnovnye polozheniia po raschetu avtomaticheskikh reguliatorov urovnia veshchatel'nykh peredach. Moskva, Sviaz'izdat, 1963. 52 p. (Tekhnika radioveshchaniia)

NOVGORODSKII, M. A. [Nondestructive testing of the strength of concrete in structures by mechanical devices] Kontrol' prochnosti betona v konstruktsiiakh bez razrusheniia (priborami mekhanicheskogo deistviia). Kiev, Gosstroiizdat USSR, 1963. 61 p.

OBREZKOV, V. I. [Use of computer technology in hydroelectric power plant calculations] Primenenie vychislitel'noi tekhniki v gidroenergeticheskikh raschetakh. Moskva, Gosenergoizdat, 1963. 215 p.

OLEVSKII, V. A. [Crushing machinery in ore dressing plants; manual on the design, calculation and operation of ball and rod mills] Razmol'noe oborudovanie obogatitel'nykh fabrik; spravochnoe posobie po konstruktsiiam, raschetu i ekspluatatsii sharovykh i sterzhnevykh mel'nits. Moskva, Gosgortekhizdat, 1963. 446 p.

[QUALITY AND HIGH-QUALITY STEELS, sections and shaped rolled products and calibrated steel] Stal' kachestvennaia i vysokokachestvennaia; sortovoi i fasonnyi prokat i kalibrovannaia stal'. Izd. ofitsial'noe. Moskva, Standartgiz, 1963. 128 p. (SSSR. Gosudarstvennye standarty)

PANASENKO, M. D. [Design and calculation of stepped evaporation, steam scrubbing, and separation of steam in boilers] Raschet i proektirovanie stupenchatogo isparenila, paropromyvki i separatsii para v parovykh kotlakh. Redaktor T. V. Vilenskii. Moskva, Mosk. energ. in-t, 1963. 26 p.

PAN'KOV, V. L., and V. P. KUZNETSOV. [Steel arms] Stal'nye ruki. Tambov, Tambovskoe knizhnoe izd-vo, 1962. 16 p. (Bibliotechka novatora, no. 8)

PASHKOV, L. D. [Industrial methods for the installation of ventilation systems] Industrial'nye metody ustroistva ventiliatsionnykh sistem. Leningrad, Gosstroiizdat, 1963. 126 p.

PAVLOV, K. M. [Analysis and calculation of the network of an IF amplifier] Analiz i raschet skhemy usiliteliia promezhutochnoi chastoty; rekomendovano predmetnoi komissiei VZTS po spetsial'nym radiotekhnicheskim distsiplinam v kachestve uchebnogo posobiia dlia uchashchikhsia tekhnikumov sviazi. Moskva, Sviaz'izdat, 1963. 22 p. (Vsesoiuznyi zaochnyi tekhnikum sviazi)

PAVLOV, V. E. [Automation of car classification in classification yards] Avtomatizatsiia sortirovki vagonov na sortirovochnykh stantsiiakh, uchebnoe posobie. Leningrad, Leningr. in-t inzhenerov zhel.-dor. transp., 1962. 40 p.

PAVLOV, V. I. [Electronics in the national economy] Elektronika v narodnom khoziaistve. Moskva, Izd-vo "Znanie," 1963. 55 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no. 8)

PAVLOVA, L. N. [Kuban porcelain] Kubanskii farfor. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1961. 37 p.

PAVLOVSKII, G. T. [Grain cleaning] Ochistka zerna. Moskva, Proftekhizdat, 1963. 66 p.

PENTKOVSKII, N. I. [Collection of problems on the carrying out of construction work] Sbornik zadach po proizvodstvu stroitel'nykh rabot. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 233 p.

PEREPELITSA, A. L. [Pyrogenic sizing of lignite coals] Pirogeneticheskoe okuskovanie bitsi i burykh basseina. Moskva, Izd-vo Akad. nauk SSSR, 1963. 218 p.

PERTEN, IU. A. [Advanced methods for removing, conveying and processing metal chips] Peredovye metody i sposoby uborki, transportirovki i pererabotki metallicheskoi struzhki; stenogramma. Leningrad, 1963. 35 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Mekhanicheskaia obrabotka metallov)

PETROV, IU. P. [Calculation of transient processes of d.c. motors using universal diagrams in similarity criteria] Raschet perekhodnykh protsessov elektrodvigatelei postoiannogo toka s pomoshch'iu universalnykh diagramm v kriteriiakh podobiia. Moskva, Gosenergoizdat, 1963. 61 p.

PETROVA, A. N. [Safety manual for glazing of faience and porcelain pottery wares] Pamiatka po tekhnike bezopasnosti dlia glazurovshchika keramicheskikh izdelii i farforo-fainsovykh izdelii. Moskva, Gosstroiizdat, 1963. 15 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

PEVZNER, R. L. [Spectral analysis of synthetic corundums used in the manufacture of abrasives] Spektral'nyi analiz elektrokorundov, primeniaemykh v abrazivnoi promyshlennosti, opyt zavodov. Leningrad, 1963. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Kontrol' kachestva produktsii, no. 7)
[MICROFILM]

PLINER, IU. L., S. I. SUCHIL'NIKOV, and F. A. RIBE-SHTEIN. [Aluminothermy in the production of ferro-alloys and addition alloys] Aliuminotermicheskoe proizvodstvo ferosplavov i ligatur. Moskva, Metallurgizdat, 1963. 174 p.

POBEDIMSKII, A. A., and V. A. GAKEL'. [Maintenance and repair of cotton-spinning machines] Remont i uhod za mashin khlopkoprigotovitel'nogo proizvodstva. Ivanovskoe knizhnoe izd-vo, 1963. 169 p.

POLIAK, M. U., and I. N. FRIMAN. [KIPP apparatus] Apparatura KIPP, informatsionnyi sbornik. Moskva, Sviaz'izdat, 1963. 158 p. (Tekhnika sviazi)

POLIANINA, G. D. [Demonstrations in electrical engineering and radio engineering lectures] Demonstratsii na tekstsiiakh po elektrotekhnike i radiotekhnike; posobie dlia pedagogicheskikh institutov. Pod red. V. A. Malova. Moskva, Uchpedgiz, 1963. 98 p.

POLJSAR, G. I. [Modeling] Modelirovanie. Moskva, Voenizdat, 1963. 119 p.

POLTEV, N. F. [Principles of surveying of forest ground (selected chapters)] Osnovy mezrianiia lesnoi s"emki (izbrannye glavy). Pod red. V. A. Kuchinskii. [Moskva] Izd-vo Mosk. univ., 1963. 98 p.

POLTEV, V. K., and L. P. SMOLI'NIKOV. [Electrical equipment of the main departments of metallurgical plants] Elektrooborudovanie osnovnykh tekhnologicheskikh zavodov; posobie dlia podgotovki tekhnikov. Izd. 3., ispr. i dop. Moskva, Metallurgizdat, 1963. 595 p.

POPOVA, Z. A. [Laboratory manual on soil mechanics and geology] Laboratornyi praktikum po gruntovedeniiu i geologii. Moskva, Avtotransizdat, 1963. 123 p.

POTAPOV, M. G. [Open-pit mine haulage] Kar'ernyi transport. Izd. 2., perer. i dop. Moskva, Gosgortekhizdat, 1963. 296 p.

[POWER ENGINEERING PROCESSES IN CYCLONE SMELTING] TSiklonnye plavil'nyo energeticheskie protsessy; trudy nauchno-tekhnicheskoi soveshchaniia, provedennogo Moskovskim energeticheskim institutom v marte 1962 g. Nauchn. redaktor N. A. Semenenko. Moskva, Metallurgizdat, 1963. 119 p.

POZDEEV, N. V. [Manufacture and use of fiberboard] Proizvodstvo i primenenie fibrolitovykh plit. Moskva, Goslesbumizdat, 1963. 90 p.

POZDNIAKOV, S.N. [Collection of problems on machine parts] Sbornik zadach po detaliam mashin; uchebnoe posobie. Moskva, Mosk. vysshee tekhn. uchilishche, 1961. 1v

PRISHCHEP, L.G. [Manual for rural electricians] Posobie dlia sel'skogo elektromontera. Moskva, Sel'khozizdat, 1963. 486 p. (Uchebniki, uchebnye posobiia dlia podgotovki sel'skokhoziaistvennykh kadrov massovoi kvalifikatsii)

PUTINTSEVA, M.A., and others. [Technical maintenance of machines and tractors by expert machine adjusters] Tekhnicheskoe obsluzhivanie mashinno-traktornogo parka masterami-naladchikami. Moskva, Sel'khozizdat, 1963. 87 p.

RADUN, D.V. [Measurement of the temperature of liquid metals, moisture of substances, and concentration of solutions] Izmerenie temperatury zhidkikh metallov, vlazhnosti veshchestv i kontsentratsii rastvorov. Redaktor A.P. Viatkin. Moskva, Mosk. energ. in-t, 1962. 109 p.

RAISKII, I.D. [Automation in public eating establishments] Avtomatizatsiia na predpriiatiiakh obshchestvennogo pitaniia. Moskva, Gostorgizdat, 1963. 230 p.

RAPUTOV, B.M. [Electrician of an ore-dressing plant] Elektrosliesar' obogatitel'noi fabriki. Moskva, Gosgortekhizdat, 1963. 227 p.

RAZUMOV, L.D. [Protection of municipal telephone lines of intraregional telephone and wire broadcasting networks from electric current leakages of a.c. railroads] Zashchita linii gorodskikh telefonnykh setei, vnutrirayonnoi sviazi i provodnogo veshchaniia ot vliianiia elektricheskikh zheleznykh dorog peremennogo toka. Moskva, Sviaz'izdat, 1963. 75 p. (Lektsii po tekhnike sviazi)

REBROV, S.A. [Tr-8 and Tr-9 trolley buses] Trolleibusy Tr-8 i Tr-9. Moskva, Izd-vo MKKh RSFSR, 1963. 139 p.

REDZ'KO, K.V. [Problems and exercises in a course on "Radio receiving devices"] Sbornik zadach i uprazhnenii po kursu "Radiopriemnye ustroistva." Moskva, Oborongiz, 1963. 187 p.

RIABOKON', N.G. [Mechanization and the automatic control of technological processes in welding] Mekhanizatsiia i avtomatizatsiia tekhnologicheskikh protsessov svarochnogo proizvodstva; elementy avtomatiki. Moskva, Mashgiz, 1963. 275 p.

RIAZANTSEV, K.G. [Public control of labor safety in construction and in enterprises of the building materials industry] Obshchestvennyi kontrol' po okhrane truda v stroitel'stve i na predpriiatiiakh promyshlennosti stroimaterialov. 2., perer. i dop. izd. Moskva, Gosstroiizdat, 1963. 165 p.

RODIONOV, V.P. [Check rooms for hand baggage] Kamery khraneniia ruchnoi kladi. Moskva, Transzheldorizdat, 1963. 65 p. (Bibliotechka rabotnika vokzala)

ROMANOVA, L.A. [How coal is prepared] Kak obogashchaetsia ugol'. Moskva, Ugletekhizdat, 1954. 44 p.

ROMOV, I.V. [Safety manual for workers engaged in the application of anticorrosive coatings, applicators of lining and rubber coatings and painters] Pamiatka po tekhnike bezopasnosti dlia rabochikh pri proizvodstve antikorrozionnykh rabot; futerovshchiki, gummirovshchiki, maliary. Izd. 2., dop. Moskva, Gosstroiizdat, 1963. 29 p. (Tekhnika bezopasnosti v stroitel'stve)

ROZANOV, M.N. [Stability of electrical systems] Ustoichivost' elektricheskikh sistem; lektsii. Moskva, Vses. zaochnyi energ. in-t.
No.2. 1963. 94 p.
[MICROFILM]

ROZENBERG, N.M., and N.I.SOROKODUMOVA. [Television and its use in railroad transportation] Televidenie i ego primenenie na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1963. 186 p.

ROZENFEL'D, A.S. [Water and health; hygiene of water supply] Voda i zdorov'e, gigiena vodosnabzheniia. Leningrad, Medgiz, 1963. 20 p. (Nauchno-populiarnaia meditsinskaia literatura)

RUBININ, M.V. [Manual for practical work on the strength of materials] Rukovodstvo k prakticheskim zaniatiiam po soprotivleniiu materialov. 4. Izd. [Moskva] Rosvuzizdat, 1963. 488 p.

RUDAIA, K.I. [Electrical equipment of diesel locomotives] Elektricheskoe oborudovanie teplovozov. Izd. 2. Moskva, Transzheldorizdat, 1963. 271 p.

RUDENKO, N.F., and F.A.GOVOROV. [Pneumatic tube transportation of documents and small articles in carriers (pneumatic post)] Pnevmotransport dokumentov i melkikh predmetov v patronakh (pnevmopochta). Moskva, Mashgiz, 1963. 138 p.

[RURAL K-40/80 CROSSBAR AUTOMATIC TELEPHONE EXCHANGES] Sel'skie koordinatnye ATS K-40/80; informatsionnyi sbornik. Moskva, Sviaz'izdat, 1963. 109 p., diagrs. (Tekhnika sviazi)

RUSSIA (1917- R.S.F.S.R.) Glavnoe upravlenie lesnogo khoziaistva i okhrany lesa. [Timber stock of the R.S.F.S.R.; statistical abstract (based on the calculation of the timber stock as of January 1, 1961)] Lesnoi fond RSFSR, statisticheskii sbornik (po materialam ucheta lesnogo fonda na 1 ianvaria 1961 g.). Moskva, Goslesbumizdat, 1962. 627 p.
[MICROFILM]

RUSSIA (1917- R.S.F.S.R.) Glavnoe upravlenie professional'no-tekhnicheskogo obrazovaniia. [Organization and methods for training and improving the qualifications of personnel in the construction industry] Organizatsiia i metodika podgotovki i povysheniia kvalifikatsii kadrov v stroitel'stve. Moskva, 1963. 67 p.
[MICROFILM]

RUSSIA (1917- R.S.F.S.R.) Ministerstvo kommunal'nogo khoziaistva. Tekhnicheskoe upravlenie. [New equipment for housing and communal services; city road and bridge systems and transportation] Novaia tekhnika zhilishchno-kommunal'nogo khoziaistva; gorodskoe dorozhno-mostovoe khoziaistvo i transport. Nauchno-tekhnicheskii informatsionnyi sbornik. Moskva, Izd-vo MKKh RSFSR.
No.2. 1963. 58 p.

RUSSIA (1917- R.S.F.S.R.) Severo-Osetinskii ekonomicheskii administrativnyi raion. [Collection of innovations introduced into industrial production] Sbornik ratsionalizatorskikh predlozhenii, vnedrennykh v proizvodstvo. Ordzhonikidze, [Severo-Osetinskoe knizhnoe izd-vo], 1960. 50 p.
[MICROFILM]

RUSSIA (1923- U.S.S.R.) Glavnoe pochtovoe upravlenie. [MM-48 marking machine, its design and operation] Markiroval'naia mashina MM-48, ustroistvo i obsluzhivanie. Moskva, Sviaz'izdat, 1963. 24 p.

RUSSIA (1923- U.S.S.R.) Glavnoe upravlenie puti i sooruzhenii. [Standard production norms for track repair on heaves based on technical specifications] Tipovye tekhnicheskii obosnovannye normy vyrabotki po ispravleniiu zheleznodorozhnogo puti na puchinakh. Moskva, Transzheldorizdat, 1963. 22 p.

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Rules SN 225-62 for engineering surveys for industrial construction] Instruktsiia po inzhenernym izyskaniiam dlia promyshlennogo stroitel'stva (SN 225-62). Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1962. 28 p.
[MICROFILM]

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Rules SN 237-63 for safety engineering and industrial hygiene for enterprises in the production of keramzit and agloporite] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarii na predpriiatiiakh po proizvodstvu keramzita i agloporita (SN 237-63). Moskva, Gosstroiizdat, 1963. 27 p.

RUSSIA (1923- U.S.S.R.) Ministerstvo putei soobshcheniia. [Production norms for design, planning and surveying work paid according to piece rate wage system] Normy vyrabotki na proektnye i izyskatel'nye raboty, oplachivaemye sdel'no. Moskva, Transzheldorizdat.
Pt.18. [Railroads, bridges, tunnels] Zheleznye dorogi, mosty, tonneli.
Sec.3. [Tunnels] Tonneli. 1964. 74 p.
Pt.19. [Automobile roads, city transportation] Avtomobil'nye dorogi, gorodskoi transport. 1964. 31 p.

RUSSIA (1923- U.S.S.R.) Ministerstvo putei soobshcheniia. [Regulations governing the acceptance and use of automatic block system devices, electrical and dispatcher control interlocking systems] Pravila priemki v ekspluatatsiiu ustroistv avtoblokirovki, elektricheskoi i dispetcherskoi tsentralizatsii. Moskva, Transzheldorizdat, 1963. 30 p.

RUSSIA (1923- U.S.S.R.) Ministerstvo sel'skogo khoziaistva. [Technical maintenance of the KD-35, KDP-35, and T38 tractors] Tekhnicheskii ukhod za traktorami KD-35, KDP-35 i T38. Moskva, Biuro tekhn. informatsii GOSNITI, 1962. 153 p.

RYZHOV, B.M. [Airplane piston compressors] Aviatsionnye porshnevye kompressory. Moskva, Oborongiz, 1963. 330 p.

SAMOILOV, G.P. [Installation and operation of receiving television antennas] Priemnye televizionnye antenny, ikh ustroistvo i ekspluatatsiia. Moskva, Sviaz'izdat, 1963. 135 p. (Biblioteka "Televizionnyi priem," no.8)

SANDLER, A.S., and N.G.SOKOLOV. [Collection of automatic control systems for electric drives of machine tools] Sbornik skhem avtomaticheskogo upravleniia elektroprivodami metallorezhushchikh stankov. Izd. 2., perer. i dop. Moskva, Mosk. energ. in-t, 1963. 31 p.

SEMENCHEV, A.V. [Pile drivers for sinking reinforced concrete piles] Mashiny dlia pogruzheniia v grunt zhelezobetonnykh svai. Moskva, Gosenergoizdat, 1963. 46 p. (Biblioteka elektromontera, no.05)

SEMENOV, A.P., R.M.MATVEEVSKII, and V.V. POZDNIAKOV. [Production technology and properties of fluoroplast-containing antifriction materials; basic principles of their manufacture] Tekhnologiia izgotovleniia i svoistva soderzhashchikh ftoroplast antifrikstionnykh materialov; osnovnye printsipy proizvodstva. Moskva, Izd-vo Akad. nauk SSSR, 1963. 62 p.

SEMENOV, P.K., and others. [Improving boring and blasting operations at the Olenegorsk Mine] Sovershenstvovanie burovzryvnykh rabot na Olenegorskom rudnike. [Murmansk] Murmanskoe knizhnoe izd-vo, 1962. 77 p.

SEMINAR "INDUSTRIAL'NYE METODY ELEKTROSETEVOGO STROITEL'STVA NA BAZE SHIROKOGO VNEDRENIIA SBORNOGO ZHELEZOBETONA," 1962. [Materials of the Seminar on "Industrial methods for constructing electric-power distribution networks with extensive use of prefabricated reinforced concrete structures"] Sbornik materialov seminara. Moskva, Orgenergostroi, 1962. 151 p.

SEMINAR PO METODAM MATEMATICHESKOGO MODELIROVANIIA I TEORII ELEKTRICHESKIKH TSEPEI [Mathematical modeling and electrical networks] Matematicheskoe modelirovanie i elektricheskie tsepi; trudy. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR.
No.1. 1963. 244 p.

SERENSEN, S.V., V.P.KOGAEV, and R.M. SHNEIDEROVICH. [Carrying capacity and strength calculation of machine parts] Nesushchaia sposobnost' i raschety detalei mashin na prochnost'. Pod red. S.V. Serensena. Izd. 2., perer. i dop. Moskva, Mashgiz, 1963. 451 p.

SERGEEV, S.V., and V.G. FROLOV. [Virus of unreliability] Virus nenadezhnosti. Tambov, Tambovskoe knizhnoe izd-vo, 1962. 15 p. (Bibliotechka novatora, no.1)

SHAGIN, P.P. [Stability of prefabricated buildings on sagging soils] Prochnost' sbornykh zdanii na prosadochnykh gruntakh. Leningrad, Gosstroiizdat, 1963. 119 p.

SHAPRITSKII, E.N., and E.A. ALEKSEEV. [The machine which you have invented] Mashina, kotoruiu ty izobrel. Tambov, Tambovskoe knizhnoe izd-vo, 1962. 24 p. (Bibliotechka novatora, no.6)

SHEININ, V.M. [Weight and transportation efficiency of passenger planes] Vesovaia i transportnaia effektivnost' passazhirskikh samoletov. Moskva, Oborongiz, 1962. 362 p.

SHEKHTER, IU.N., S.E.KREIN, and V.P.KALASHNIKOV. [Oil-soluble sulfonates; their production and uses] Maslorastvorimye sul'fonaty; proizvodstvo i primenenie. Moskva, Gostoptekhizdat, 1963. 124 p.

SHEKHURIN, D.E. [Basic principles for the development of information in the Scientific Research Institute] Osnovnye printsipy razvitiia informatsii v NII; stenogramma doklada, prochitannogo v LDNTP na zaniatiiakh seminara rabotnikov sluzhb tekhnicheskoi informatsii. Leningrad, 1963. 33 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serila: Metodika postanovki nauchno-tekhnicheskoi informatsii i propagandy)

SHESTOPAL, V. M. [Specialization and the design of foundry shops and plants] Spetsializatsiia i proektirovanie liteinykh tsekhov i zavodov. Moskva, Mashgiz, 1963. 223 p.

SHEVAKIN, IU. F., A. M. RYTIKOV, and F. S. SEIDALIEV. [Production of nonferrous metal pipes, technological calculations] Proizvodstvo trub iz tsvetnykh metallov, tekhnologicheskie raschety. Moskva, Metallurgizdat, 1963. 355 p.

SHIFRIN, D. M. [Thermal-power units] Teplosilovye ustanovki. Moskva, Energoizdat. Pt. 1. 1962. 291 p.

SHIFRIN, G. E., and N. N. DURNEEV. [Processes in foundry; introduction of a progressive technology and the mechanization of industrial processes at the "Krasnyi Aksai" Plant] Tekhnicheskii protsess v liteinom proizvodstve, opyt vnedrenia peredovoi tekhnologii i mekhanizatsii proizvodstvennykh protsessov na zavode "Krasnyi Aksai". Rostov-na-Donu, TSentr. biuro tekhnich. informatsii, 1960. 73 p. [MICROFILM]

SHLYGIN, V. V. [Strength and dimensional calculations of electrical machines] Prochnostnye i razmernye raschety elektricheskikh mashin. Moskva, Gosenergoizdat, 1963. 319 p.

SHMELEV, N. V., and A. M. SHEGAL. [Overall mechanization on building sites] Kompleksnaia mekhanizatsiia na stroike. [Moskva] Mosk. rabochii, 1962. 34 p. [MICROFILM]

SHOROKHOV, S. M. [Working placer deposits and the principles of planning] Razrabotka rossypnykh mestorozhdenii i osnovy proektirovaniia. Moskva, Gosgortekhizdat, 1963. 764 p.

SHULEIKIN, M. V. [Electron tubes] Elektronnye lampy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 366 p.

SHUMAKOV, B. A., and B. B. SHUMAKOV. [Basin snow-water irrigation] Limannoe oroshenie. Moskva, Izd-vo M-va sel'. khoz. RSFSR, 1963. 131 p.

SHUMSKII, K. P. [Vacuum apparatus and control instruments in chemical machinery manufacture] Vakuumnye apparaty i pribory khimicheskogo mashinostroenia. Moskva, Mashgiz, 1963. 555 p.

SHUR, I. A. [Conversion of boilers to gas firing] Perevod otopitel'nykh kotlov na gazoobraznoe toplivo. Leningrad, Gostoptekhizdat, 1963. 155 p. (Biblioteka mastera gazovogo khoziaistva)

SIMONOV, P. M., and others. [Advanced method for the inspection and repair of cars in trains] Peredovoi metod osmotra i remonta vagonov v poezdkh. Moskva, Transzheldorizdat, 1963. 39 p.

SIROTKIN, V. P. [Layout and design of water pipes and water-pipe systems] Skhemy i raschet vodoprovodov i vodoprovodnykh setei. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 246 p.

SKLIUEV, P. V. [Hydrogen and flakes in large forgings] Vodorod i flokeny v krupnykh pokovkakh. Moskva, Mashgiz, 1963. 187 p.

SKVORTSOV, N. P. [Electron-tube, ionic and mechanical high-frequency generators for electrothermy] Vysokochastotnye generatory dlia elektrotermii, lampovye, ionnye, mashinnye. Red. V. P. TSishevskii. Moskva, Mosk. energ. in-t, 1961. 118 p.

SMIRNOVA, R. S., O. A. IERUSALIMSKAIA, and M. A. EVTUSHENKO. [How to learn to sew] Kak nauchit'sia shit' [Leningrad] Lenizdat, 1963. 375 p.

SNARSKII, A. A. [Manual for electricians and repairmen of a railroad communication district] Posobie dlia elektromekhanika i montera lineinogo okolotka sviazi. Moskva, Transzheldorizdat, 1963. 462 p.

SOBOLEV, N. P., and IU. R. VITENBERG. [Gear-cutting machines and tools used in the instrument industry] Zuboobrabatyvaiushchie stanki i instrumenty v priborostroenii. Moskva, Mashgiz, 1963. 306 p.

SOROCHKIN, A. G., and G. M. BARTENEV. [Manufacture, properties, and structural uses of glass-reinforced plastics of continuous molding] Proizvodstvo, svoistva i primenenie v stroitel'stve stekloplastikov nepreryvnogo formovaniia. Vil'nius, TSentr. biuro tekhn. informatsii i propagandy Gos. kom-ta Soveta Ministrov Litovskoi SSR po delam stroit. i arkhit., 1963. 71 p.

SOROKIN, A. L., and others. [Liquefied gases in England, their transportation, storage, uses] Szhizhennye gazy v Anglii, transport, khranenie, ispol'zovanie. Moskva, Gostoptekhizdat, 1963. 140 p.

SOVESHCHANIE PO VOPROSAM BOR'BY S PYL'IU NA OBOGATITEL'NYKH FABRIKAKH, 1962. [Problems of dust control in ore dressing plants] Voprosy bor'by s pyl'iu na obogatitel'nykh fabrikakh, materialy soveshchania. Moskva, In-t gornogo dela, 1963. 118 p. (Obogashchenie)

SOVESHCHANIE PO VOPROSAM ISPOL'ZOVANIIA ELEKTROGRAFII DLIA IZGOTOVLENIIA OFSETNYKH PECHATNYKH FORM, Moscow, 1961. [Small-scale offset printed forms produced by electrography] Izgotovlenie malоformatnykh ofsetnykh pechatnykh form metodom elektrografii, materialy. Pod red. A. B. Dravina. Moskva, Vses. nauchno-issl. in-t poligr. promyshl., 1962. 97 p. [MICROFILM]

STARIKOV, A. N. [Reference book for carpenters and furniture makers] Spravochnaia kniga stoliara-strotelia i mebel'shchika. [Leningrad] Lenizdat, 1963. 414 p.

STEPANOV, N. M., and A. M. VASIL'TSOV. [RPB and BPLTs semiautomatic block systems] Sistemy putevoi poluavtomaticheskoi blokirovki RPB i BPLTs. Moskva, Transzheldorizdat, 1963. 182 p. diagrs. inserted. (Bibliotechka elektromekhanika STsB i sviazi)

STRAKHOV, V. V., and N. I. TOMBAEV. [Specialized transportation means for milk] Spetsializirovannye sredstva dlia transportirovki moloka. Moskva, TSentr. in-t nauchno-tekhn. informatsii po avtomatizatsii i mashinostroeniiu, 1963. 44 p. (Novye mashiny, oborudovanie i sredstva avtomatizatsii) [MICROFILM]

STRAUSOV, B. G. [Measurements in electrical and radio engineering] Elektricheskie i radiotekhnicheskie izmerenia. Moskva, Mosk. aviatsionnyi in-t, No. 1, 1962. 69 p. [MICROFILM]

SVESHNIKOV, V. A., and IA. D. FAINGERSH. [Safety manual for workers using assembly guns] Pamiatka po tekhnike bezopasnosti dlia rabotaiushchikh stroitel'no-montazhnym pistoletom. Izd. 2., perer. i dop. Moskva, Gosstroizdat, 1963. 27 p. (Tekhnika bezopasnosti v stroitel'stve)

TARASOV, F. I. [Output tubes] Vykhodnye lampy. Moskva, Gosenergoizdat, 1963. 27 p. (Massovaia radiobiblioteka. Spravochnaia seriia, no. 467)

TARKO, L. M. [Wave processes in the pipings of hydraulic mechanisms] Volnovye protsessy v truboprovodakh gidromekhanizmov. Moskva, Mashgiz, 1963. 181 p.

TARNOVSKII, I. IA., ed. [Rolling on a blooming mill] Prokatka na bliuminge. [By] I. IA. Tarnovskii i dr. Moskva, Metallurgizdat, 1963. 388 p.

TARTAKOVSKII, B. N., A. M. VARSHAVSKII, and I. P. SHALIMANOV. [Mechanization of railroad track relocation in open pit mines] Mekhanizatsii peredvizhki zheleznodorozhnykh putei na kar'erakh. Moskva, Gosgortekhizdat, 1963. 183 p.

[TECHNICAL HANDBOOK ON ELECTRIC CITY TRANSPORTATION IN THREE VOLUMES] Tekhnicheskii spravochnik po gorodskomu elektrotransportu v trekh tomakh. Redkollegiia: V. N. Volochnev, A. N. Trofimov, M. N. Shpoliianskii. Moskva, Izd-vo M-va Kommun. khoz. RSFSR.
Vol. 3. [Trolley buses] Trolleibus. Otv. red. A. N. Trofimov. 1963. 722 p.

TELESHEV, B. A. [Electrical engineering] Elektrotekhnika. Izd. 2., perer. i dop. Moskva, Gosenergoizdat, 1963. 512 p.

TERESHIN, G. M. [Radio measurements] Radioizmerenia. Moskva, Gosenergoizdat, 1963. 367 p.

[TEXTBOOK ON THE THEORETICAL PRINCIPLES OF ELECTRICAL ENGINEERING] Zadachnik po teoreticheskim osnovam elektrotekhniki. [By] L. A. Bessonov i dr. Moskva, Vses. zaochnyi energ. in-t, 1963. 212 p.

[TIME, FORWARD!; the Second All-Union Photographic Exhibition "Seven-year plan in action"] Vremia, vpered! Time, forward! Temps, en avant! Tiempo, adelante!...; Vtoraia Vsesoiuznaia khudozhestvennaia fotovystavka "Semiletka v deistvii." Moskva, Iskusstvo, 1963. [19] p. illus. [Text in five languages]

TITARENKO, P. IA., and others. [New developments in boring and blasting operations in underground mines] Novoe v burovzryvnykh rabotakh na podzemnykh kar'erakh. Moskva, Gosgortekhizdat, 1963. 68 p.

TIUTIUNOV, I. A., and Z. A. NEIRSI'SOVA. [Basis of the movement of water in soils during freezing and the bases of physical and chemical methods of controlling heave] Priroda migratsii vody v promerzaiushchikh porodakh i osnovy fiziko-khimicheskikh metodov bor'by s pucheniem. Moskva, Izd-vo Akad. nauk SSSR, 1963. 157 p.

TOLSTYKH, N. N., and M. P. FEIGIN. [Clayey crust of Glinlanyi shtur. Tambov] Tambovskoe knizhnoe izd-vo, 1962. 12 p. (Bibliotechka novatora, no. 1)

TRESKINSKII, S. A. [Roads on moving media] Dorogi na podvizhnykh gruntakh. Moskva, Avtotransizdat, 1963. 143 p.

TROFIMOV, V. I. [Study of stability and carrying strength of metal power transmission tower [illegible] structures] Issledovanie ustoichivosti i nesushchei sposobnosti metallicheskikh konstruktsii tipa [illegible] linii elektroperedachi. Moskva, Gosenergoizdat, 1963. 319 p.

TROFIMOVSKAIA, E. A. [Consolidated power [illegible]] Edinaia energeticheskaia. Moskva, Izd-vo [illegible], 1963. 30 p. (Novoe v zhizni, nauke, tekhnike. XII Seriia: Geologiia i geografiia, no. 10)

TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. [Hydraulic equipment for machine tools in foreign countries, a survey] Stanochnoe gidravlicheskoe oborudovanie za rubezhom; obzor. Moskva, 1963. [MICROFILM]

TUFANOV, D. G. [Corrosion resistance of structural steels] Korrozionnaia stoikost' nerzhaveiushchikh i kislotostoikikh staloi, spravochnik. Moskva, Metallurgizdat, 1963. 117 p.

TUL'CHINSKII, E. M. [Design and mounting of equipment of mills with pneumatic conveying] Konstruktsii i montazh oborudovaniia mel'nits s pnevmaticheskim transportom. Moskva, Zagotizdat, 1963. 172 p.

UKRAINE. Ministerstvo avtomobil'nogo transporta i shossejnykh dorog. Tekhnicheskie uprayleniie. [Unified specifications TU 10-02 MATSHD USSR for receiving for overhauling and the delivery after overhauling of motor vehicles, their parts and units] Edinye tekhnicheskie uslovia na sdachu v kapital'nyi remont i vydachu iz kapital'nogo remonta avtomobilei, agregatov i uzlov TU 10-02 MATSHD USSR. Kiev, Izd-vo tekhizdat USSR, 1963. 20 p.

UPENIEK, U. [Metallic molds of standardized [illegible] of precast reinforced concrete for the Soviet Baltic Republics; construction and building materials] Metallicheskie formy unifitsirovannykh izdelii [illegible] nogo zhelezobetona dlia Pribaltiiskikh sovetskikh respublik; stroitel'stvo i stroitel'nye materialy. Riga, TSentr. biuro tekhn. informatsii, 1963. 14 p. [illegible] tekhnicheskoi informatsii)

[USE OF DIRECT CONNECTION SYSTEMS IN [illegible] GRAPH EXCHANGES] Vnedrenie na telegrafakh sistemy priamykh soedinenii, sbornik statei. [illegible] Sviaz'izdat, 1962. 40 p. (Opyt peredovykh [illegible])

USPASSKII, P. P. [Study of materials used in [illegible] processing industries] Materialovedenie dlia [illegible] obrabatyvaiushchikh proizvodstv. Minsk, [illegible] izdat, 1962. 279 p.

VAKSER, E. B. [Electronic d.c. voltmeters] Elektronnye vol'tmetry postoiannogo toka. Minsk, Izd-vo [illegible] vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 193 p.

VARSHAVSKII, A. M., and M. G. NOVOZHILOV. [Improving the conditions for exploiting heavy duty, continuous striping machine units] Sovershenstvovanie rezhima ekspluatatsii moshchnykh vskrytykh kompleksov nepreryvnogo deistvila. Moskva, Gosgortekhizdat, 1963. 162 p.

VASIL'EV, A. A., M. N. OKOLOVICH, and A. V. [illegible] GREEV. [Manual for a laboratory course in electrical section of electric power plants] [illegible] dlia raboty v laboratorii po kursu "Elektricheskaia chast' stantsii." Red. I. P. Kriuchkov. Moskva, Mosk. energ. in-t, 1963. 85 p.

VASIL'EV, B. A., IU. S. KOMAROV, and B. I. PAVLOV. [Automation of production processes in the lumbering industry] Avtomatizatsiia proizvodstvennykh protsessov v lesnoi promyshlennosti. Moskva, Goslesbumizdat, 1963. 184 p.

VASIL'EV, IU. S., N. B. SIVOKHINA, and A. S. BRONZOV. [Tolerable declination of boreholes from the design] Dopustimye otkloneniia stvolov skvazhin ot proekta. Moskva, Gostoptekhizdat, 1963. 152 p.

VATKIN, IA. L., O. A. PLIATSKOVSKII, and IU. I. VASILCHENKO. [Seamless tubes] Besshovnye truby, spravochnoe rukovodstvo dlia rabochikh. Moskva, Metallurgizdat, 1963. 179 p.

VECHKO, IU. I. [World of ultrasonics] Mir ul'trazvukov. Leningrad, Ob-vo "Znanie," RSFSR, 1963. 49 p.

VELGUS, S. E. MAKULA, and S. SKRZYDLEWSKI. [Flights in a glider. Translated from the Polish] Polety na planere. Moskva, DOSAAF, 1963. 145 p.

VELTISTOV, P. K. [Standard networks of relay interlocking systems of small stations] Tipovye skhemy relейnoi tsentralizatsii malykh stantsii. Moskva, Transzheldorizdat, 1963. 123 p. (Bibliotechka elektromekhanika STsB i sviazi)

VENIKOV, V. A., and others. [Strong excitation control] Sil'noe regulirovanie vozbuzhdeniia. Moskva, Gosenergoizdat, 1963. 151 p.

VESELOVSKII, A. I., and KATIN, L. N. [Radio-controlled ship models] Radiouppravliaemaia model' korablia. Moskva, Izd-vo DOSAAF, 1963. 80 p.

VILENSKII, N. M., and others. [Establishing an efficient diagram for the power supply of a metallurgical combine] Opredelenie ratsional'noi skhemy energosnabzheniia metallurgicheskogo kombinata. Sverdlovsk, Akad. nauk SSSR, 1963. 56 p.

VILENSKII, T. V. [Design and construction of ash removal systems in electric power plants] Proektirovanie i raschet sistem zoloudaleniia na elektrostantsiiakh. Red. B. M. Mitrofanov. Moskva, Mosk. energ. in-t, 1961. 110 p.

VLADIVOSTOK. DAL'NEVOSTOCHNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PO STROITEL'STVU. [Catalog of publications of the Far Eastern Scientific Research Institute for Construction] Katalog izdanii... Vladivostok, 1960. 8 p.

VOLGOGRAD (Province) Oblastnoe upravlenie mestnoi promyshlennosti. [Collection of materials on the exchange of production and technological practices of the enterprises of the Volgograd Province Administration of Local Industry] Sbornik po obmenu proizvodstvenno-tekhnicheskim opytom predpriiatii Volgogradskogo Oblmestpromа (mart 1962 g.) [Volgograd] Volgogradskoe knizhnoe izd-vo, 1962. 31 p.

[MICROFILM]

VOLKOMICH, A. I. [Automatic control and mechanization of the shakeout of molds] Avtomatizatsiia i mekhanizatsiia vybivki form. Moskva, Mosk. dom nauchno-tekhn. propagandy im. F. E. Dzerzhinskogo, 1958. 33 p. [Peredovoi opyt proizvodstva. Seriia: "Tekhnologiia mashinostroeniia" Liteinoe proizvodstvo, no. 20)

[MICROFILM]

VOLKOVINSKII, L. M. [Electrical engineering (alternating current)] Elektrotekhnika (peremennyi tok); uchebnoe posobie dlia uchashchikhsia elektrotekhnicheskikh spetsial'nostei. Moskva, Vses. zaochnyi tekhnikum zheleznodorozhnogo transporta, 1958. 211 p.

[MICROFILM]

VSESOIUZNAIA KONFERENTSIIA PO TEORII I PRAKTIKE PROIZVODSTVA OTLIVOK IZ KOVKOGO CHUGUNA, 3d, 1960. [Expanding the production of malleable cast iron] Razvitie proizvodstva kovkogo chuguna, trudy. Moskva, Mashgiz, 1963. 368 p.

VSESOIUZNOE SOVESHCHANIE PO STEKLOOBRAZNOMU SOSTOIANIIU, 3d. [Abstracts of the reports at the All-Union Conference on the Glassy State] Tezisy dokladov. Leningrad, Goskhimizdat, 1959. 133 p.

[MICROFILM]

VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT NEFTEKHIMICHESKIKH PROTSESSOV. [Oxo synthesis; oxo process production of aldehydes, alcohols, and secondary products based on them] Oksosintez; poluchenie metodom oksosinteza al'degidov, spirtov i vtorichnykh produktov na ikh osnove. Leningrad, Gostoptekhizdat, 1963. 213 p.

VSLSOIUZNYI ZAOCHNYI INSTITUT TEKSTIL'NOI I LEGKOI PROMYSHLENNOSTI. Fakul'tet usovershenstvovaniia inzhenerov i rukovodiashchikh rabotnikov legkoi promyshlennosti. [New findings concerning the hair and fiber structure of the skin] Novoe v stroenii volosa i volokon dermy, uchebnoe posobie dlia slushatelei fakul'teta usovershenstvovaniia inzhenerov i rukovodiashchikh rabotnikov legkoi promyshlennosti. Moskva, 1962. 15 p.

[MICROFILM]

ZALENSKII, V. S. [Hoisting and conveying, and construction machinery] Pod'emno-transportnye i stroitel'nye mashiny, primery raschetov i spravochnye materialy. Izd. 2, dop. i pererab. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 362 p.

ZAPLETIN, N. V. [Electronic 20/100 automatic telephone exchange] Elektronnaia ATS-20/100; uchebnoe posobie. Leningrad, Leningr. elektrotekhn. in-t sviazi, 1962. 74 p.

ZARIANKIN, A. E., and A. N. SHERSTIUK. [Low-power Francis-type turbines] Radial'no-osevye turbiny maloi moshchnosti. Moskva, Mashgiz, 1963. 247 p.

ZAVADSKII, A. G., and I. F. FILIPPENKO. [Kuban textile fabrics] Kubanskie tkani. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1962. 61 p.

ZEL'DOVICH, R. N. [Manual on technical and economic estimations in selecting water-treating methods] Posobie po tekhniko-ekonomicheskim raschetam pri vybore metodov ochistki vody. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 85 p.

ZELENIN, E. V. [Elementary manual on mechanical drawing] Elementarnyi spravochnik po chercheniiu. Moskva, Fizmatgiz, 1963. 254 p.

ZENTSOV, A. S. [Geodesy in the construction of large hydroelectric power stations and their tunnels] Geodeziia pri stroitel'stve krupnykh gidroelektrostantsii i ikh tunnelei; iz opyta rabot. Moskva, Gosgeoltekhizdat, 1963. 223 p.

ZHARIKOV, L. M. [The Kursk riddle] Kurskaia zagadka. Moskva, Izd-vo "Znanie," 1963. 96 p. (Prochti tovarishch.)

ZHENDAREVA, O. G., and Z. S. MUKHINA. [Methods of analyzing electroplating baths] Metody analiza gal'vanicheskikh vann. Moskva, Oborongiz, 1963. 269 p.

ZOLIN, M. L., and IU. I. SHEVCHUK. [Increasing the productiveness of pumping jacks] Uvelichenie proizvoditel'nosti stankov-kachalok. Baku, Azneftеizdat, 1954. 26 p.

17. MILITARY & NAVAL SCIENCES

ANATOLIEV, F. A. [Heat exchangers in marine steam-power plants] Teploobmennye apparaty sudovykh parosilovykh ustanovok. Leningrad, Sudpromgiz, 1963. 494 p.

AZOV, D. S. [Sons in formation] V stroiu — synovia. Moskva, Voenizdat, 1963. 70 p. (Biblioteka soldata i matrosa)

BEDIN, V. V., and others. [Automatic control of marine synchronous generators, systems of direct compounding, static conditions] Avtomatizatsiia sudovykh sinkronnykh generatorov; sistemy priamogo kompaundirovaniia; staticheskie rezhimy. Uchebnoe posobie po kursu "Elektroenergeticheskie ustanovki sudov." Leningrad, Leningr. elektrotekhn. in-t im. V. I. Ul'ianova (Lenina), 1962. 91 p.

BEDIN, V. V., and others. [Automatic control of marine synchronous generators, systems of direct compounding, transient conditions] Avtomatizatsiia sudovykh sinkronnykh generatorov; sistemy priamogo kompaundirovaniia; perekhodnye rezhimy. Uchebnoe posobie po kursu "Elektroenergeticheskie ustanovki sudov." Leningrad, Leningr. elektrotekhnicheskii institut imeni V. I. Ul'ianova (Lenina), 1962. 78 p.

BESSONOV, A. N., and others. [Underwater search] Podvodnyi poisk. Moskva, Voenizdat, 1963. 93 p. (Za voenno-tekhnicheskie znaniia)

BEZDENEZHNYKH, I. S., and E. S. TYRKOVA. [Protection of the population from bacteriological weapons] Zashchita naseleniia ot bakteriologicheskogo oruzhiia. Moskva, Izd-vo DOSAAF, 1963. 46 p. (Naseleniiu o grazhdanskoi oborone)

CHERNYSH, A. F. [Automatic river navigation systems] Sistemy avtomaticheskogo sudovozhdeniia na rekakh. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963. 46 p. (Spravochnaia seriia po novoi tekhnike)

ERMILOV, V. G. [Operation and testing of marine steam power plants] Tekhnicheskaia eksploatatsiia i ispytaniia sudovykh parosil'nykh ustanovok. Leningrad, Izd-vo "Morskoi transport," 1963. 279 p.

ERSHOV, S. F. [Pages of the past; an old soldier's notebook] Stranitsy proshlogo, zapiski starogo soldata. [Leningrad] Lenizdat, 1962. 184 p. (CSt-H)

FEDOROV, A. S. [Science and ships] Nauka i korabli. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika i khimiia, no. 17)

FEDOROV, V. D. [Rough paths, notes of a reconnaissance scout] Surovye tropy; zapiski razvedchika. Moskva, Voen. izd-vo M-va obor. SSSR, 1961. 131 p. (KU)

GONCHARENKO, M. N. [Automatic control in military science] Kibernetika v voennom dele. Moskva, Izd-vo DOSAAF, 1963. 343 p.

GRITCHENKO, N. V. [How to fight fatigue and raise endurance in combat] Kak borot'sia s utomleniem i povysit' vynoslivost' v boiu. Moskva, Voenizdat, 1963. 95 p. (Nauchno-populiarnaia biblioteka voennogo izdatel'stva)

IAKOVLEV, B. E., and V. A. MASLIANIKOV. [Explosion under water] Vzryv pod vodoi. Moskva, Voenizdat, 1963. 74 p.

IVANOV, L. A., and K. I. MALYSHEV. [Economics and organization of hydrographic works] Ekonomika i organizatsiia gidrograficheskikh rabot. Moskva, Izd-vo "Morskoi transport," 1963. 199 p.

KALININ, S. A. [Reflecting on the past] Razmyshliaia o minuvshem. Moskva, Voenizdat, 1963. 319 p. (Voennye memuary)

KATSMAN, F. M., and G. M. KUDREVATYI. [Design of screw-propeller complexes for seagoing ships] Konstruirovanie vinto-rulevykh kompleksov morskikh sudov. Leningrad, Sudpromgiz, 1963. 509 p.

KORCHAGINA, A. IA. [Fender buffer devices on ocean piers] Amortizirуiushchie otboinye prisposobleniia dlia morskikh prichalov. Moskva, Izd-vo "Morskoi transport," 1963. 86 p.

KRUKSUNOV, L. Z., and I. F. USOL'TSEV. [Infrared apparatus for the homing of guided missiles] Infrakrasnye ustroistva samonavedeniia upravliaemykh snariadov. Moskva, "Sovetskoe radio," 1963. 239 p.

KUZNETSOV, V. A. [Formation of a pilot, notes of a commander] Stanovlenie letchika, zapiski komandira. Moskva, Voenizdat, 1963. 99 p. (Za nashu Sovetskuiu Rodinu)

KVITNITSKII, A. A. [Fight with submarines; according to foreign data] Bor'ba s podvodnymi lodkami (po inostrannym dannym). Moskva, Voenizdat, 1963. 125 p.

MALKHASIAN, ARMO. [Armenians prominent in the Soviet Army] Armiane deiateli Sovetskoi Armii. Erevan, Gos. izd-vo Armianskoi SSR, 1963. 496 p. [In Armenian]

MOISEEV, V. I. [Glorious combat traditions of the Soviet Armed Forces] Slavnye boevye traditsii Sovetskikh Vooruzhennykh Sil. Moskva, Izd-vo DOSAAF, 1963. 97 p.

PALII, A. I. [Radio warfare] Radiovoina. Moskva, Voenizdat, 1963. 204 p.

PAVLOV, S. P. [Track-laying amphibious carrier K-61] Gusenichnyi plavaiushchii transporter K-61. Moskva, Voenizdat, 1963. 182 p. (Za voenno-tekhnicheskie znaniia)

PERESADA, V. S., A. M. KREIMERMAN, and A. M. P PROKHOROV. [Electronics in the service of artillery fire control] Elektronika na sluzhbe upravleniia ognem artillerii. Moskva, Voenizdat, 1963. 74 p. (Za voenno-tekhnicheskie znaniia)

PLUGIN, V G., and IU P. KRAEVOI [Visual aids and training apparatus in military topography (approved by the Chief of the Military Topographical Administration)] Nagliadnye posobiia i trenazhery po voennoi topografii/Odobreno nachal'nikom voenno-topograficheskogo upravleniia/ Moskva, Voenizdat, 1963. 127 p

POLIN, L. E. [From the Baltic to the Black Sea, the towing of a floating dock] Baltika - Chernoe more, perегon plavuchego doka. Moskva, Izd-vo "Morskoi transport," 1963. 139 p.

RUSSIA (1923- U S S R.) Ministerstvo oborony. [Manual on musketry, light antitank grenade thrower] Nastavlenie po strelkovomu delu, ruchnoi protivotankovyi granatomet (RPG-2) Izd 2, ispr i dop Moskva, Voenizdat, 1961 96 p

RUSSIA (1923- U S S R.) Ministerstvo oborony. [Manual on musketry; 7.62-mm Degtiarev light machine gun] Nastavlenie po strelkovomu delu, 7,62-mm ruchnoi pulemet Degtiareva (RPD) Izd. 2, ispr. i dop Moskva, Voenizdat, 1961 152 p

SEMENOV-TIAN-SHANSKII, R. V. [Designing caisson docks] Proektirovanie kesson-dokov. Leningrad, Sudpromgiz, 1963. 64 p.

SHIFRIN, M. SH. [Automatic control of marine steam-power plants, theory and design] Avtomaticheskoe regulirovanie sudovykh parosilovykh ustanovok, teoriia i proektirovanie. Leningrad, Sudpromgiz, 1963. 586 p.

SOKOLOV, A A. [Stronger than armor] Krepche broni. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1963. 74 p

SOKOLOVSKII, V. D., ed. [Military [illegible] strategiia. Izd 2, ispr i dop Moskva [illegible] 1963. 503 p

VARVAŇOVSKÝ, LUDVÍK [Maneuver [illegible] lated from the Czech] Manevrovanie [illegible] Voenizdat, 1963 172 p

VYSOTA, I. I., and V S PLAKHOV [Main plants] Sudovye silovye ustanovki [illegible] dop Moskva, Rechnoi transport, 1963 [illegible]

ZAMOTA, V. I., and N. N. SVICHINSKII [illegible] pair, and modernization of the power plant "Kazbek"-type tank vessels] Opyt ekspluatatsii i modernizatsii silovoi ustanovki [illegible] "Kazbek," Moskva, Izd-vo "Morskoi transport," 1963. 174 p. (Biblioteka obmena opytom [illegible] skom transporte)

PART B—PERIODICALS

An asterisk (*) appearing before a periodical title indicates that it is available in full English translation For publishers of such translated periodicals, their subscription prices, etc, see listing at end of this issue

1. GENERAL

a. SCHOLARLY JOURNALS

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia, Obshchestvennye nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S. S. R. Bulletin, Social Sciences]. Erivan, no. 10, Oct. 1963. [In Armenian]

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Izvestiia. Seriia fiziko-matematicheskikh i tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE AZERBAIJAN S. S. R. Bulletin, Series in the Physical, Mathematical, and Technological Sciences]. Baku, no. 2, 1963.

Table of contents translated:

Namazov, G. K. - Boundary value problem for a parabolic equation with discontinuous coefficients. p. 3.

Dzhafarov, A. S. - Inequalities between various weight norms for integral functions of the exponential type. p. 17.

Agaev, G. N., Dzhafarli, G. M. - A class of multiplicative orthonormalized systems of functions. p. 27.

Novruzov, A. A. - Theorems of the Hadamard and Phragmén-Lindelöf type. p. 37.

Guseinov, N. G. - Characteristic magnetic properties of crystals having a NiF_2 type structure. p. 49.

Sharifov, K. A., Gadzhiev, S. N., Garibov, I. M. - Enthalpy of the formation of indium arsenide. p. 53.

Sadykhov, F. S. - Effect of the dimensions of the residual nucleus on particle polarization in electron bremsstrahlung and pair formation. p. 55.

Kerimbekov, M. B., Gashimzade, M. U. - Study of the blinking of stars. p. 61.

Efendiev, V. S. - Quantitative power regulation in a two-stroke diesel engine. p. 65.

Mamedov, I. A. - A problem in the theory of unsymmetric flat bar rolling. p. 71.

Aslanov, I. A. - Reductions in measuring the speed of the sun's rotation. p. 81.

Akhundova, G. V., and others. - Comparison of the astroclimatic characteristics of two points. p. 91.

Kadirov, N. B., Ismail-Zade, Sh. M. - Graphic method for the check analysis of heat exchangers. p. 103.

Minas'ian, R. ... - Oblique flexure by force of a sectional prismatic beam. p. 113.

Kerimov, Z. G. - Determination of dynamic stresses in drill pipes. p. 125.

AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze. Izvestiia. Seriia estestvennykh i tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE KIRGHIZ S. S. R. Bulletin. Series in the Natural and Technological Sciences]. Frunze, vol. 5, no. 4, 1963. Neorganicheskaia khimiia [Inorganic chemistry].

Table of contents translated:

Mustaev, A. K., IAkovenko, R. T. - Rare-earth sulfamates. p. 5.

Mustaev, A. K., IAkovenko, R. T. - Tetravalent cerium sulfamate. p. 9.

Mustaev, A. K., IAkovenko, R. T. - Chemistry of rare-earth polyphosphates. p. 13.

Bleshinskii, S. V., and others. - Phosphate method for stripping rare-earth minerals. p. 17.

Bleshinskii, S. V., and others. - Fluosilicic method for separating rare-earth elements. p. 23.

Bleshinskii, S. V., and others. - Method for separating rare-earth elements based on the thermal dissociation of sulfates. p. 25.

Bleshinskii, S. V., Nagaeva, A. G., Abramova, V. F. - Thiocyanatomercurate-radiometric method for determining zinc. p. 27.

Bleshinskii, S. V., Nagaeva, A. G. - Rapid volumetric analysis of zinc. Report No. 1. p. 35.

Bleshinskii, S. V., Nagaeva, A. G. - Rapid volumetric analysis of zinc. Report No. 2. p. 51.

Bergman, A. G., Nogoev, K. - Reaction of urea with sodium and potassium halides. Report No. 2. p. 59.

Bergman, A. A., Nogoev, K. - Reaction of urea with sodium and potassium halides. Report No. 3. p. 69.

Shatemirov, K. Sh. - Formation of sulfate efflorescene on loess products under the effect of dampness. p. 79.

Batyrchaev, I. E. - Glauberites-bearing salt deposits in the central Tien Shan. Report No. 2. p. 85.

Levchenko, V. M., Kadyrov, V., Kaziev, K. - On the formation of the ion-salt and gaseous compounds of Dzhumtash carbonated mineral waters. p. 87.

AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze. Izvestiia. Seriia obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE KIRGHIZ S. S. R. Bulletin. Series in the Social Sciences]. Frunze, vol. 5, no. 1, 1963. Istoriia [History].

Table of contents translated:

Akhunbaev, I. K. - Contribution of Russian scientists and scholars to the development of Kirghiz science and culture. p. 5.

Aitbaev, M. T. - Kirghiz cookery of the 19th and the early 20th century. p. 13

Vinnik, D. F. - Historical and topographic study of the Koy-Sary ancient site. p. 25.

Sher, A. IA. - Iconography of ancient Turkic sculptures. p. 45.

Kychanov, E. I. - Some data on the migration of the Kirghiz in the 13th century in "Yuan shih," the annals of the Yuan Dynasty. p. 59.

Suprunenko, G. P. - Source materials on Chinese relations with the Kirghiz of the Yenisey Valley in "Li Wei kung hui Ch'ang i p'in chi," a historical source of the ninth century. p. 67.

Altmyshbaev, A. A., Orozaliev, K. K., Sherstobitov, V. P. - A valuable study on the building of socialism in Kazakhstan and Central Asia. p. 83.

AKADEMIIA NAUK SSSR, Sibirskoe otdelenie, Izvestiia [ACADEMY OF SCIENCES OF THE U. S. S. R. Siberian Department, Bulletin]. Novosibirsk, no. 2, 1962.

Table of contents translated:

Vilenskii, N. M. - Economic efficiency of the utilization of secondary energy resources of a plant in the design stage. p. 3.

Aleksandrov, A. IA. - Some conformities between the stress functions in the axisymmetrical and plane problems of the theory of elasticity, and solution to the axisymmetrical problem for an infinite hollow heavy cone. p. 15.

Shabanov, S. I., Kolbasov, E. V. - Study of high-speed thermal decomposition of fuels in a periodically operating plant with a solid heat-transfer agent, as exemplified by Chernovskiy lignite. p. 25.

Okladnikov, V. P., Klepikova, E. A., Galaganova, A. S. - Use of distillation and oxidation to bring about a change in the binding properties of heavy coal-tar products obtained by semicoking of Cheremkhovo coals. p. 31.

Zhdankovich, L. I., Komarova, T. N. - Production of fluxed granules from Korshunovo concentrates. p. 37.

Kirgintsev, A. N. - Fluctuation model of a binary solution. p. 43.

Val'tsev, V. K., Oziashvili, E. D., Solov'ev, L. K. - Zone crystallization of compounds of rare earth elements from some molten salts. p. 53.

Semenov, N. N., Zabolotskii, T. V. - Behavior of lithium carbonate during heating. p. 59.

Frishberg, I. V., Mikulinskii, A. S. - Prospects for developing the silicothermal method of magnesium production. p. 63.

Krylov, G. V. - Present state and problems in the U. S. S. R. and in foreign countries. p. 67.

Bykov, I. E. - Fast-dropping polarographic capillaries. p. 81.

Panfilov, V. P. - Availability of soil moisture to plants. p. 90.

Saks, A. I. - Comparative frost resistance of different species and varieties of strawberries. p. 97.

Gabeev, V. N. - Cultures of Siberian larch on turfy-podzolic soils. p. 105.

Zaitsev, G. P. - Conditional limits of fluidity in experimental testing of various plasticity hypotheses. p. 110.

Shishkin, G. V, Mamaev, V. P. - 2-Thienylhydrazine. p. 112.

Batiaev, I. M., Larionov, S. V - Stability of complex compounds of lanthanum, cerium, praseodymium, and neodymium with glutamic acid p. 113.

Batsanova, L. R., Grigor'eva, G. N. - Optical properties of fluorides of rare earth metals of the cerium group. p. 115.

Liapunov, M. F. - Problem of thenardite formation in Lake Kuchuk. p. 118.

Apter, D. M., Kalinichenko, F. I - Pyrolysis of heavy tar obtained by semicoking of Cheremkhovo coals. p. 121.

Rtabchenko, S. N., Alekhina, V. I., Lisin, D. M. - Interrelation of petrographic ingredients and germanium in Siberian coals. p. 122.

Gitel'son, I. I., and others. - Bioluminescence of bacteria. p. 126

Utkin, L. A. - "Useful plants of western Siberia" by V. I. Vereshchagina, K. A. Sobolevskaia, A. I. IAkubova. p. 127.

IAvorskii, I. A. - "Chemistry and genesis of coal" by T. A. Kukharenko. p. 128.

Grachev, IU. P. - Conference on the electrification of Siberia and the development and unification of its power systems. p 131.

AKADEMIIA NAUK TURKMENSKOI SSR, Ashkhabad. Izvestiia. Seriia obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE TURKMEN S. S. R. Bulletin. Series in the Social Sciences]. Ashkhabad, no. 2, 1963.

Table of contents translated:

Batyrov, Sh. - Role of the Russian intelligentsia in the development of the national culture of formerly backward peoples of the U. S. S. R. p. 3.

Agadzhanov, S. G. - New materials on the origin of the Turkmen. p. 12.

Mandel'shtam, A. M. - New data on remains of the nomadic population in southern Turkmenistan during the ancient epoch. p. 27.

Remennik, A. S. - Nutrition as one of the factors of the national welfare. p. 34.

Grigorian, I. A. - Method for determining the economic efficiency of capital investments in the petroleum production industry. p. 46.

Mul'kamanov, A. - Shabende's oral epic "Shabekhram" and its relation to the plot in oriental fairy tales about Bekhram Gure. p. 56.

Charyov, M. - Parenthetic clauses in the Turkmen language. p. 65.

Adykov, K. - Vessel on which designs were imprinted by a stamp from Dandankan. p. 76.

Lunina, S. B. - Excavation and the stratigraphy of the shaft in the southern encirclement of the Sultan-Kala in Old Merv. p. 77.

Soltmuradov, K. - The "Linle" (maiden's song) of the thirties. p. 82.

The Turkmen popular versions of Shabende's oral epic "Shabekhram." p. 90.

Mukhammedova, Z. B. - "Turkmen popular and scientific plant names" by V. V. Nikitin, B. B. Kerbabaev. p. 95.

No. 4, 1963.

Table of contents translated:

Bekiev, B. - How clearing agreements helped fascist Germany to control the Turkish market. p. 3.

Amanov, O. - Members of the Supreme Soviet of the Turkmen S. S. R. p. 16.

Igdyrov, A. - Labor agreements as the principal legal way to satisfy the manpower requirements of cotton-growing state farms. p. 26.

D'iakova, P. M. - How the economic effectiveness of stock farming is influenced by the size of stock-fattening yards. p. 34.

Kharlanova, M. S. - Formation of the new sociopolitical terms of the Soviet period by extending the meanings of old Turkmen words. p. 40.

Mollakov, V. - Concept of causation and the connection of truths. p. 71.

Amanov, O. - Budgetary Committee of the Supreme Soviet of the Turkmen S. S. R. p. 74.

Baskakov, N. A. - Great achievement of Turkmen linguists. p. 90.

Akiniazov, G. - Valuable work on the history of the philosophy of the peoples of Central Asia p.92.
Ataev, Kh. - A conference of Soviet orientalists p.95.

DNEPROPETROVSK. UNIVERSYTET Nauchnye zapiski [UNIVERSITY Studies] Vol 78, 1962 Botanika [Botany]

Goncharova, T.V. - Seed reproduction of polyantha roses in Dnepropetrovsk. p.61.
Romanovich, N.I. - Peach culture in the Dnepropetrovsk Botanical Garden. p.67.
Babkina, V.M. - Selecting herbaceous decorative plants for flower gardens according to the time of flowering. p 71.
Mamontova, N.P. - Herbaceous perennial plants for a rock garden. p.86.
Nevesenko, Z.I. - Herbaceous lianas in the Dnepropetrovsk Botanical Garden. p.101.

Table of contents translated.

Levitskaia, A.M. - Thirtieth anniversary of the Botanical Garden of the Dnepropetrovsk State University p.3.
Gaevaia, Z.I. - Gas resistance of trees and shrubs. p.13.
Gaevaia, Z.I. - Trees and shrubs on industrial sites. p.19.
Babkina, V.M. - Flowering decorative plants for industrial sites. p.28
Nevesenko, Z.I. - Lianas for the steppe zone of the Ukraine. p.39.
Levitskaia, A.M. - Subtropical fruit plants in Dnepropetrovsk. p.52.

EESTI NSV TEADUSTE AKADEEMIA. Toimetised. Fuusika-matemaatiliste ja tehniliste teaduste seeria. Izvestiia Akademii nauk Estonskoi SSR. Seriia fiziko-matematicheskikh i tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R. Bulletin. Series in the Physical, Mathematical, and Technical Sciences]. Tallinn, vol.12, no.2, 1963.

Table of contents translated.

Kard, P. - Achromatism of the translucence or anti-translucence of absorbing films. p.115
Petersen, I. - Runge-Kutta type methods for solving nonlinear equations in Hilbert space. p 123.
Ulm, S. - A class of iterative methods in Hilbert space. p.132.
Levin, M. - Extremum problem for a certain class of functions. p.141
Nigul, U. - Use of A.I. Lur'e's symbolic method in the three-dimensional theory of the dynamics of elastic plates. p.146.
Landra, E. - Effect of the composition of kukersite oil shale on heat losses accounted for by the combustion products. p.156.
Volgin, L.I - Determining the methodical error of a gliding-bias RMS linear detector. p.164.
Künnap, E. - Automatic regulation of combustion in an air-fountain furnace. p.172.
Shipkov, N. - Modeling of air-fountain type furnaces. p.180
Fomina, A., Erusenko, V. - Oxidative decomposition of kerogen in dictyonema shale by alkaline potassium permanganate. p.189.
Raukas, A. - Distribution of indicator boulders in the moraines of the last glaciation of the Estonian S.S.R. p.198.
Susarev, M., Kudriavtseva, L. - Determining the region in which the composition of a three-component azeotrope is located in a concentration triangle. p.212.

Academician Fedor Klement; on his 60th birthday. p.218.
Kristoffel, N. - International Symposium on Luminescence. p.220.
Brief news. p.221.

GORKIY. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE. Studies]. No.41, 1962.

Table of contents translated:

Vedernikov, V.I. - Theory of curved Euclidean E_n spaces. p.3.
Vedernikov, V.I. - Regular semistable limiting cycles of a system of ordinary differential equations. p.7.
Vedernikov, V.I. - A family of hyperspheres of zero relative curvature. p.12.
Krivonosov, L.N. - Families of spheres with indeterminate metrics in a conformal space. p.20.
Krivonosov, L.N. - Theory of families of circles in a conformal M3 space. p.63.
Lipatov, N.S. - Classification of nonsingular gravitational fields by groups of homothetic motions. p.67.

LYSTY DO PRYIATELIV. LETTERS TO FRIENDS. Nowark, N.J., vol.11, nos.7/8(125-126)-9/10(127-128), 1963.

MUNICH. UKRAINS'KYI VIL'NYI UNIVERSYTET. Naukovi zapysky [UKRAINIAN FREE UNIVERSITY. Studies]. No.6, 1963.

PERM. UNIVERSITET. Uchenye zapiski [UNIVERSITY. Studies]. Vol.23, no.2, 1962. Istoriia zarubezhnykh literatur [History of foreign literatures].

Table of contents translated.

Bel'skii, A.A. - Interrelation of conflict and plot in the historical novels of W Scott written from 1810 to 1820; "Waverley," "Puritans," and "Rob Roy" p.5.
Kantorovich, I.B. - "Heartbreak house" and Shaw's crisis of Fabianism. p 26.
Lozovskii, A.I. - Dreiser as short-story writer, the collection "Free and other stories." p 40
Kosheleva, G.S. - Literary personification of Schiller's "Wallenstein." p 54.
IAshen'kina, R.F. - Theme of art in T Mann's novel "Doctor Faustus" p.84.
Reiderman, E.I - Image and thought; remarks on the works of Bertolt Brecht. p 102.
Leites, N.S. - E.Sittmattler's novel "The miracle worker"; traditions of the educational and adventure-picaresque novel in the literature of the German Democratic Republic. p 114.
Preobrazhenskaia, E.O. - Basic stages in the development of realism in French literature, Article one From the Renaissance to the end of the 18th century. p.131
Kirsanov, A.T. - Early stories of Jean Richard Bloch, 1910-1912. p.148.
Shvachkin, V.A. - Maiakovskii and the poetry of Bukov up to 1940. p 166.
Shvachkin, V.A. - Translation of Maiakovskii's poetry into Romance languages p.212.

Vol.25, no.1, 1962. Iuridicheskie nauki [Juridical sciences].

Table of contents translated:

Ushakov, A.A. - Epochs, types, stages, subdivisions, phases, forms, and periods in the development of the Soviet state and law. p.3
Kuptsov, V.I. - Marxism-Leninism on the role of the growth of the population in social development and the nature of demographic laws p 23.
Rybin, A.V - Development of public participation in the work of the soviets of workers' deputies. p.91
Savichev, K.P - The 22d Congress of the CPSU and the officials of the state apparatus and the activists of the soviets. p.107.
Rybin, A.V. - Subject-matter, method, and structure of the history of political science. p.125.
Ushakov, A.A. - Brief study on the history of the codification of Soviet law, the problems of "legal techniques." p.143.
Tiunov O.I. - Concept of neutrality in international law. p.163.

TALLINN. PEDAGOOGILINE INSTITUUT. Teaduslikud toimetised. Uchenye zapiski Tallinskogo pedagogicheskogo instituta [PEDAGOGICAL INSTITUTE. Studies]. No.3, 1960.

ZAPOROZH'YE. DERZHAVNYI PEDAGOGICHNYI INSTYTUT. Nauchnye zapiski [STATE PEDAGOGICAL INSTITUTE Studies] Vol 7, 1959 Kafedra marksizma-leninizma [Department of Marxism-Leninism], no.2 K 50-letiiu vykhoda v svet knigi V I. Lenina "Materializm i empiriokrititsizm" [On the 50th anniversary of the publication of V I.Lenin's book "Materialism and empiric criticism]"

Table of contents translated

From the editor. p.3.
Bondarenko, I.I. - Historical situation in the period when V.I. Lenin wrote his book "Materialism and empiric criticism." p.5.
Kur'ianovich, N.L. - Problem of freedom and necessity in V.I.Lenin's book "Materialism and empiric criticism." p.20.
Korchevoi, D.A. - Working out of the theory of the explicitness of truth in V.I.Lenin's book "Materialism and empiric criticism." p.32.
Deripapa, M.R. - Interpretation of necessity and chance in V.I.Lenin's book "Materialism and empiric criticism." p.47.
Lebedinskii, V.V. - The sharpest weapon of communist parties in the struggle against revisionism. p.61.
Krugliak, A.IA. - The most brilliant example of scientific atheism. p.75.
Maklak, N.M. - V.I.Lenin's exposure of the sophistical arguments of subjectivistic idealists. p.89.
Miroshnichenko, F.D. - Some data of modern physics in the light of V.I.Lenin's theory of the indestructibility of matter. p.105.
Fishman, I.M. - Role of mathematical abstractions in the cognition of truth. p.119.
Pukha, I.V. - Role of V.I.Lenin's book "Materialism and empiric criticism" in the development of Soviet educational theory. p.129.
Kogan, A.B. - Correlation of ideology and creative work. p.142.
Miksen, E.K., Nosko, A.G. - The nature of artistic typification in the light of V.I.Lenin's theory of reflection. p 175.
Vashchuk, F.T. - Role of V.I Lenin's book "Materialism and empiric criticism" in the struggle against decadent trends in the Ukrainian literature of the 20th century. p.194
Antonets, I.I., Blagoveshchenskaia, O.I. - Role of V.I.Lenin's book "Materialism and empiric criticism" in the struggle against decadent trends in the Russian literature of the early 20th century p.210.
Ganich, O.I. - Unmasking the philosophy of murderers p.224.
Oleinik, F.M. - Reliable weapon. p.240
Turkin, V.N - Studies on the language and style of V.I.Lenin's works. p.257.
Chemerisov, M.T. - Unmasking the pseudoscientific terminology of idealists. p.273.
Pereviazko, V.A. - The laws of social development p.287.

b POPULAR MAGAZINES

AMERIKA; Illiustrirovannyi zhurnal [AMERICA ILLUSTRATED]. Published by the United States Information Agency. Washington, D.C., no.86, 1963.

AZIIA I AFRIKA SEGODNIA [ASIA AND AFRICA TODAY]. Issued by Institut narodov Azii and Institut Afriki Akademii nauk SSSR [Institute of the Peoples of Asia and the Institute of Africa of the Academy of Sciences of the U.S.S.R.]. Moscow, no.9, Sep. 1963.

Table of contents translated.

The most important task. p.2.
Fedorov, V. - New form, old essence. p.4.
Kudriavtsev, V. - Africa rallies to the attack. p 9.
Gavrilov, N. - The way to unity. p.12.
A trip through Madagascar; photographic views. p.14
Sochevko, G. - On the road of neutrality p.16
Andreasian, R. - Debts that can't be repaid. p.18.
Aleksandrov, M. - Aid and business. p.21.
Sivtsev, I. - Verwoerd "rescues" civilization. p 23
Zabirov, B. - Middle Ages in the 20th century. p.24.
Shchedrov, I. - Light from the liberated districts. p.30.
Drambiants, G. - The defeated Sutlej. p.33.
Abramov, G - Africa's "Latin Quarter." p.34.
Vilenska, Esther. - The position of women in Israel p 39.
Gadiri, Atika. - The struggle for a new Algeria. p 41
Wera Peres Akoth. - What the mothers in Kenya want p.41.
For the benefit of the peoples, in the interest of peace p.42
Kuganitsev, M. - Only together! p.44.
Grammatchikov, G. - They will be free! p.46.
Dvoriankov, N. - New horizons of Afghan literature. p.47.
Matiushina, Z. - The people's life is the main topic. p.48.
Demin, L. - Jogjakarta silverware. p 49.
Sugiarti Siswadi. - Stories. p.50.
Kharuta, N. - Three million outcasts. p 55.
Korneev, L. - "Ni Rariny," the conscience of the people. p.56.
Kadmin, V. - The "operation" in Swaziland. p.57.
Karasev, L. - Gold dust in the eyes. p.58.
Il'in, I. - The "eight" in Turkey. p.58.
Sof'in, V. - Heirs of the heroes of Enugu. p.60.
Akhmedzianov, A. - Reactionaries expose themselves p.61.
Abramov, M - A big-hearted man. p.62.
Glushchenko, E. - Like a hundred years ago. p.63.
Gerasimov, O. - In the first days of the revolution p.64.

No.10, Oct. 1963.

Table of contents translated

To whose advantage is peaceful coexistence? p.2.
Kuganitsev, M. - For the sake of life on earth. p
Vasil'ev, I. - Guinea: Past and future. p.8.
Malakhovskii, K. - An interesting discussion. p.11
Peoples choose their roads. p.12.
Ul'rikh, O. - The basis of industrialization. p.13.
Bragina, E. - The role of planning. p.14.
Aleksandrovskaia, L. - Cooperative movement. p.
Panorama. p.18.
Popov, IU. - Setbacks for trade-union bosses. p.2
Zabirov, B. - Sheik Shakhbut and his treasures. p.
Kuznetsov, IU. - "Freedom" of trade and Japanese monopolies. p.23.
Elenin, L. - Working and living conditions of African workers. p.26.
Izzedin Mustafa Rassul. - The right cause will win p.29.
Kurdoev, K. - Scholars protest. p.29.
Keita, Aoaa. - The only fruitful policy. p.30.
Fanta, Kamara. - The heart of partisan Victorino p.31.

Mongolia as seen by Americans. p. 32.
Abd al-Wahhab al-Bayaty - In defense of civilization p. 37.
Rive, Richard - For whites only, a story. p. 39.
Vell, Adnan. - An ordinary defendant, a story. p. 42
Nesin, Aziz. - A fairy tale for adults. p. 44
Poet of Kurdistan. p. 45.
"The promised land." p. 46
Binetsky, Pelsach. - Ibrahim, sonnets p. 47.
Mozheiko, Igor'. - An unusual exhibition. p. 48.
Kasatkin, D. - The heirs of Cecil Rhodes p. 51
Suret-Canale, Jean. - Has Africa made a poor start? p. 54.
Solidarity of the peoples. p. 56.
Nikolaev, IU. - First congress of the trade unions of Mali. p. 58.
Gerasimov, O. - Thirty-five years ago p. 57.
Bulatov, B. - Almost incredible. p. 58.
Love by order of the State Department p. 59.
Nasenko, IU. - A timely book about the parliament of India. p. 60
Kamal', M. - The Oman question. p. 60.
Chernyshev, V. - Beyond the Himalayas. p. 62.
Lobyrev, V. - A centenary. p. 64.

BARVINOK [PERIWINKLE]. Issued by TSentral'nyi komitet Lenins'koho komunistychnogo soiuzu molodi Ukrainy and Respublikans'ka rada Vsesoiuznoi pioners'koi organizatsii imeni V. I. Lenina [Central Committee of the Ukrainian Communist Youth of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, no. 10, Oct. 1963.

BIAROZKA [THE LITTLE BIRCH]. Issued by TSentral'ny kamitet Leninskaha komunistychnaha saiuza moladzi Belarusi and Respublikanski Savet pilneiskai arganizatsyi imia V. I. Lenina [Central Committee of the White Russian Communist Youth League of Lenin and the Republic Council of Lenin Pioneers]. Minsk, vol. 30, nos. 9-10, Sep.-Oct. 1963.

DADZIS [THISTLE]. Riga, no. 22(160), 1963. [In Latvian]

DRUZHNO VPERED [FORWARD TOGETHER]. Issued by Kul'turna spilka ukrains'kykh trudiashchykh Chekhoslovachchyny [Cultural Association of the Ukrainian Workers of Czechoslovakia]. Presov, vol. 13, nos. 9-10, Sep.-Oct. 1963. [In Ukrainian]

JAUNIMO GRETOS [THE RANKS OF YOUTH]. Issued by Lietuvos Lenino komjaunimo sajungos Centro komitetas [Central Committee of the Lenin Communist Youth League of Lithuania]. Vilnius, no. 11(228), Nov. 1963. [In Lithuanian]

KAPKĂN, chuvashskii satiricheskii zhurnal [TRAP; Chuvash Satirical Magazine]. Cheboksary, vol. 23, nos. 14(431)-15(432), 17(434)-18(435), July-Sep. 1963. [In Chuvash]

KHORPUSHTAK [HEDGEHOG]. Dushanbe, nos. 9(124)-10(125), Sep.-Oct. 1963. [In Tajik]

KIPERUSH; zhurnal satiry i iumora [PEPPER; Magazine of Satire and Humor]. Kishinev, no. 18, Sep. 1963. [In Moldavian]

KIRPI [HEDGEHOG]. Baku, nos. 15(267), 17(269)-19(271), Aug.-Oct. 1963. [In Azerbaijani]

KITAI [CHINA]. Published by Izdatel'stvo literatury na inostrannykh iazykakh [Publishing House for Literature in Foreign Languages]. Peiping, nos. 9-10, 1963.

KOREIA [KOREA]. Pyongyang, nos. 9(86)-10(87), 1963.

KOSTER [CAMPFIRE]. Issued by TSentral'nyi komitet Vsesoiuznogo Leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin] and others. Leningrad, no. 9-10, Sep.-Oct. 1963.

KROKODIL [CROCODILE]. Issued by gazeta [Newspaper] "Pravda." Moscow, vol. 42, nos. 28(1714)-31(1717), Oct.-Nov. 1963.

KUL'TURA I ZHIZN' [CULTURE AND LIFE]. Issued by Soiuz sovetskikh obshchestv druzhby i kul'turnoi sviazi s zarubezhnymi stranami [Union of Soviet Societies for Friendship and Cultural Relations with Foreign Countries]. Moscow, vol. 7, no. 2, 1963.

Table of contents translated:
Popova, N. - Let's live in peace and friendship on the same planet. p. 2.
Fedorova, I. - We learn and discuss. p. 4.
Mallison, Miles - "I felt the pulse of Moscow." p. 14.
Kudrina, IU. - Books bring us closer together.... p. 24.
One hundred and twenty thousand engineers a year. p. 29.
Lipschutz, A. - What I saw with my own eyes. p. 31.
Dumont, René - Soviet agriculture. p. 33.
Studitskii, A. N. - They want to tame radioactivity. p. 36.
Tarasov, M. M. - Largest in the world. p. 41.
Tarasov, M. M. - The dead save the living. p. 42.

Vol. 7, no. 4, 1963.
Table of contents translated
Ocean of light p. 2.
There are 50,000 articles here! p. 16.
We are against abstractionism. p. 22.
This is not a fairy tale. p. 32.
Lomakin, N. - Why is there only one party in the U.S.S.R.? p. 40.
Maksimov, L., Muslin, E. - Parts are manufactured... by television, don't be surprised. p. 41.

Vol. 7, no. 8, 1963.
Table of contents translated:
First time in history. p. 2.
Lykova, L. - Minister replies. p. 4.
Romanovskaia, Valentina - Only one in the world. p. 8.
To the women of all continents. p. 12.
Don, E. - On the black lands. pp. 13, 23.
Let's strengthen the unity of women in their struggle for peace and independence! p. 18.
Centers of good deeds. p. 19.
Bychkov, IUrii - Painter Korzhev and his heroes. p. 24.
Markushevich, Aleksei - English exhibitions in the U.S.S.R. p. 25.
Turaev, V. - Swiss art in Moscow. p. 20.
Cultural cooperation with Afghanistan. p. 26.
Omel'ianovskii, M. E. - Philosophy and physics of elementary particles. p. 28.
Medvedev, IU. - A star commands.... p. 28.
Kraulins, K. - Writer and citizen. p. 32.
Os'minin, V. - Key to the Russian miracle. p. 33.
TSekhnovitser, IU. - They obey the magic bow. p. 36.
Uidzhenaiaki, Amarasiri - Helping hand. p. 39.
Nikanorov, A. - Tale about the land of Siberia. p. 40.
Alpatov, M. - Heroic and human art. p. 42.
Tartakovskii, M. - Two steps higher. p. 44.
Bogadanov, V. - Picture gallery at home. p. 46.

LIESMA [FLAME]. Issued by Latvijas LKJS Centrala komiteja [Central Committee of the Lenin Communist Youth League of Latvia]. Riga, no. 10, Oct. 1963. [In Latvian]

MURZILKA. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the V. I. Lenin All-Union Pioneer Organization]. Moscow, no. 11, Nov. 1963.

MUSHTUM [PUNCH]. Tashkent, vol. 41, nos. 19(661)-20(662), Oct. 1963. [In Uzbek]

NARODNAIA RUMYNIIA [PEOPLE'S RUMANIA]. Bucharest, no. 9, Sep. 1963.

NOORUS [YOUTH]. Issued by Eestimaa Leninliku Kommunistliku Noorsooühingu Keskkomitee [Central Committee of the Lenin Communist Youth League of Estonia]. Tallinn, vol. 18, no. 10, Oct. 1963. [In Estonian]

NOVAIA KOREIA [NEW KOREA]. Published by Izdatel'stvo literatury na inostrannykh iazykakh [Foreign-Language Publishing House]. Pyongyang, no. 9(180), 1963.

OGONEK [THE LITTLE LIGHT]. Moscow, vol. 41, no. 21(1874), May 1963.

Table of contents translated:
Highways leading to communism. p. 1.
Velichanskii, L. - Flame of a Negro revolution. p. 2.
Grigor'ev, E. - There is no peace between "partners." p. 3.
Ermilov, V. - Meditation at the Wall of Communards. p. 4.
Uzilian, A. - Good word. p. 6.
Genina, N. - Lines, eternally alive. p. 8.
Cherevkov, K. - Two months with Lenin. p. 8.
Lorent, Henri. - How I became a Communist. p. 9.
Khrabrova, N. - Difficult soil. p. 14.
Zubkov, IU. - Engineer Zhukov plays the principal role. p. 15.
Bychkov, IU. - Storehouse of beauty. p. 17.
Donatov, A. - Horizons of an artist. p. 17.
Beletskaia, Vanda. - Common sturgeon, starred sturgeon and Siberian white salmon. p. 18.
Berg, A. I. - From the original texts. p. 18.
Vladimirov, V. - Russian Indian.... p. 24.
Serbin, A. - One day and two answers of Roswell Garst. p. 25.
Aseev, Nikolai. - Malakovskii abroad p. 26.
Dinov, V. - Meet "Squadra azzura." p. 20.
Radzhabli, Ramf - "Chovgan," game of the courageous. p. 28

Vol. 41, no. 22(1875), May 1963.
Table of contents translated
Bykov, Nikolai - Workers' quarter p. 4
Domogatskikh, M. - Hopes of Africa p. 6.
Bychkova, N. - Agent of "Iskra" p. 8.
Ranne, Vello - It is and it will be! p. 9.
Prokushev, Ilii. - Lenin in Sytin's printing house p. 12.
Penomarev, V. - Stefanida. p. 14.
Nikol'skii, N. - At the southern border p. 17.
Larin, N. - Min'yar underground p. 19.
Majestic march of history p. 25.
Hosts welcome.. p. 25.
About people, heroism and communism. p. 26
Fida, Sato. - Hurray for the new champion p. 20
Zastavskii, M. - Rings and chrysanthemums p. 29
Seslavin, M. - Paper tornadoes p. 30.
Koslikov, I. - Dance teacher. p. 31.

Vol. 41, no. 40(1893), Sep. 1963
Table of contents translated:
Vladimirov, G. - Cliuket boils and seethes. p. 2 of cover.
Strel'nikov, Boris. - Shadow of Birmingham. p. 1.
Pioneers support it. p. 6.
Khrabrova, N. - They were able to do it in Toida. p. 6.
Ukhtomskii, D. - The attack was successful. p. 8.
Kheifets, M. R. - Finding in the archives of "Sail." p. 9.
Dolgopolov, Igor'. - Treasure chest p. 16.
Vlima, L. - Truth of immortality. p. 18.
Tolchenova, N. - Loyalty. p. 19.
Ankovskii, I. V. - Meetings on the paths of the revolution p. 19.
Gorbunov, V., Mal'kov, V. - Uganda, the heart of Africa. p. 24
Aleksandrov, Mikhail. - Named after Ludwig Beethoven. p. 25.
Ahapetian, T. - Mountain garden. p. 26.
Glazunov, Il'ia. - Olives are growing through stones. p. 28.

Vol. 41, no. 41(1894), Oct. 1963.
Table of contents translated.
Bykov, N. - Three days in Krasnoyarsk. p. 2.
Gavrilin, V. - A friend is close by. p. 3.
Riumkin, IA. - Light in the night. p. 6.
Sarian, M. S. - Burden of the earth. p. 8.
Veroiskii, O. - "Ku" artist. p. 9
Kulikovskaia, Galina. - Communist Youth League card... under the ikon. p. 14.
Pavlov, V. - Block marching toward tomorrow. p. 16.
Markov, Aleksei. - Spark from the soil. p. 17.
Strel'nikov, Boris. - "Where all the coal burned up"; .. p. 20.
Popova, El'vira. - Siberia looks from the canvases. p. 21.
Imbovits, E. - How are you? p. 26.
Ivanov, A., Riumkin, IA. - Soccer players on wheels. p. 26.
Voskresenskii, Evgenii. - "Blind faith" or just blindness? p. 28.
Cherevkov, K. - Ninth point. p. 30.

RABOCHE-KRESTIANSKII KORRESPONDENT [WORKERS' AND PEASANTS' CORRESPONDENT]. Published by Izd-vo [Publishing House] "Pravda." Moscow, no. 11, Nov. 1963.

SAMOSTIINA UKRAINA. INDEPENDENT UKRAINE. Published by TSentral'na uprava Organizatsii derzhavnoho vidrodzhennia Ukrainy [Central Administration of the Organization for the Rebirth of Ukraine]. Chicago, vol. 16, no. 7(173), July 1963.

SELSKAIA MOLODEZH' [RURAL YOUTH]. Issued by TsK VLKSM [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 30, no. 10, Oct. 1963.

SHMEL' [BUMBLEBEE]. Alma-Ata, vol. 6, no. 9(92), Sep. 1963.

SOGLASIE [CONCORD]. Los Angeles, Calif., no. 143, 1963.

SOVREMENNAIA MONGOLIIA [CONTEMPORARY MONGOLIA]. Ulan Bator, vol. 8, no. 2(61), Feb. 1963.

Table of contents translated:
Tudev, B. - Our Sukebatur. p. 1.
Republic-wide conference on ideological work. p. 3.
Formal meeting dedicated to the 70th birthday anniversary of D. Sukebatur. p. 4.

Historical documents and materials on D. Sukebatur p. 6.
Development of the motion-picture industry in the Mongolian People's Republic p 8
Shagdarsuren - My friend's letter p 9.
"Brown stallion" by S Lkhamsuren. Book review. p. 10.
Rinchensambu, G - "People and years" by D. Namdag p. 15
Dash, R. - We wish you new successes. p. 18.
Dugersuren, G. - Gay student vacations. p. 19.
Cultural and educational work in our country p. 21.
Geleg, A. - There is eternal summer here p 22.
Across our land p. 23.

Vol 8, no 7(66), July 1963.
Table of contents translated
Glory to Soviet people, the conquerors of space! p. 1.
Sunzhdorzh, M - Glorious anniversary. p. 2
Nadmid, N - In the enemy's camp, a story. p 3
Davaazlamts, TS., and others - Press of the Mongolian People's Republic. p 6.
Victory of socialist democracy. p 11.
Erdene-Bit, TS., TSevegmid, Zh. - Beginning of summer vacations. p. 12.
Krivel', A.M. - Masters of the new life. p. 14
Badamkhand, L - Life, study and work. .. p. 16.
Demberel, S. - Native of Pamir. p. 18.
Vandul, E. - Mongolian studies abroad. p 20.
Literature and art festival of the Arkhangay district. p. 22.
"Eugene Onegin" on the Mongolian stage. p. 23.

SVYTURYS [THE LIGHTHOUSE]. Vilnius, vol. 15, nos. 19(355)-20(356), Oct. 1963. [In Lithuanian]

UKRAINA [THE UKRAINE] Published by Vydavnytstvo "Radians'ka Ukraina" [Publishing House "Soviet Ukraine"] Kiev, no 21(348), Sep 1963
Table of contents translated·
Pys'menna, Larysa - A present, a story. p. 2.
Our soil gratefully responds to the efforts of its careful tillers p. 4.
Cherednychenko, L S. - One hundred and fourty thousand best applicants p. 5.
Hryhor'iev, Hryhorii. - Shevchenko was on our side p. 6.
IAshchuk, Mykola. - "You should write a poem about an accountant!" p. 8.
Muratov, Ihor - Trumpets of the autumn, verse p 8.
Bohdashevs'kyi, IU - Principal role p. 8.
Kulnych, Hryhorii - Five million books for young readers p. 9
Kunytsia, Ivan. - Places which Ukrainian theaters visited in the summertime. p 10.
Sychevs'kyi, Vasyl'. - Escape from paradise, a tale of adventures (continuation). p 11
A notebook of useful advice. p. 13.
Levin, A. - Fish from the Sea of Azov are really good! p. 14.
Kosmatenko, Anatolii. - New fables p 15.

No 22(349), Sep. 1963.
Table of contents translated
TSybenko, K.O. - New developments in a village in the Desna Valley. p 1.
Khandros, Borys - Let me tell you about my teacher p. 2.
Babii, Mariia - A collective farm selectionist. p. 3.
Bazylivs'kyi, Mykola - The bridges of friendship. p. 4.
Momotenko, N - On behalf of those who were restored to health. p. 5
Stepanenko, Leonid - Karpenko-Karyi on a visit to Tolstoi. p. 5.
Volyns'kyi, Kost' - A variety show of young actors and circus performers. p. 6.
Kizub, K. - A room where Balzac had lived. p. 6.
Diachenko, Oleksandr - To be published for Ukrainian booklovers. p. 7.
Shutov, Viktor - Donetsk. p. 8.
Sycheva'kyi, Vasyl' - Escape from paradise, a tale of adventures. p. 9.
Karastichuk, IEvhen - A diploma project and the city of Kustanay p. 10.
Latyshev, Mykhailo - A coeval of our "great mason." p. 12.
Derimov, Mykhailo - Gladiators of the 20th century. p. 13.
Huryn, S. - A forest in autumn. p 14

V'ETNAM [VIETNAM]. Hanoi, Vietnam, no. 9(72), 1963.

VOZHATYI [PIONEER GUIDE]. Published by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, no. 11, Nov. 1963.

VOZHYK [HEDGEHOG]. Minsk, vol. 23, nos. 18(568)-19(569), Sep.-Oct. 1963.

VSESVIT. THE WORLD. Issued by Spilka pys'mennykiv Ukrainy and Ukrains'ke tovarystvo druzhby i kul'turnoho zv'iazku z zarubizhnymy krainamy [Association of Writers of the Ukraine and the Ukrainian Society for Friendship and Cultural Relations with Foreign Countries]. Kiev, vol. 6, no. 10, Oct. 1963.

VYZVOLNYI SHLIAKH [LIBERATION PATH]. London, vol. 10(16), no. 10/116(190), Oct. 1963.

ZHIZN' GLUKHIKH [LIFE OF THE DEAF]. Issued by Vserossiiskoe obshchestvo glukhikh [All-Russian Society of the Deaf]. Moscow, vol. 16, nos. 7, 10, July, Oct. 1963.

ZVAIGZNE [THE STAR]. Riga, vol. 14, no. 20, Oct. 1963. [In Latvian]

2. BIBLIOGRAPHY

a. BIBLIOGRAPHY

EZHEGODNIK KNIGI SSSR; sistematicheskii ukazatel' [ANNUAL OF SOVIET BOOKS; Classed Index]. Vol. 1, 1962. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, 1963.

INFORMATSIONNYI UKAZATEL' BIBLIOGRAFICHESKIKH SPISKOV I KARTOTEK, SOSTAVLENNYKH BIBLIOTEKAMI SOVETSKOGO SOIUZA [INFORMATION INDEX OF BIBLIOGRAPHICAL LISTS AND CARD FILES, COMPILED BY THE LIBRARIES OF THE SOVIET UNION]. Issued by Gosudarstvennaia biblioteka SSSR [State Library of the U. S. S. R.]. Moscow, vol. 7, no. 20, Oct. 1963.

KNIZHNAIA LETOPIS' [BOOK CHRONICLE]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos. 38-44, 1963. Vspomogatel'nye ukazateli k nos. 14-26 za 1963 g. [Indexes to nos. 14-26 for 1963]
——— ——— Dopolnitel'nyi vypusk [Supplementary Issue], no. 9, 1963.

LATVIJAS PSR PRESES HRONIKA. LETOPIS' PECHATI LATVIISKOI SSR [CHRONICLE OF PUBLICATIONS OF THE LATVIAN S. S. R.]. Issued by Latvijas PSR gramatu palata [Book Chamber of the Latvian S. S. R.]. Riga, nos. 6-7, June-July 1963.

LETOPIS' GAZETNYKH STATEI [CHRONICLE OF NEWSPAPER ARTICLES]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no. 9, 1963.

LETOPIS' ZHURNAL'NYKH STATEI [CHRONICLE OF PERIODICAL ARTICLES]. Published by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no. 38, 1963.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 1: Fiziko-matematicheskie, khimicheskie i geologo-geograficheskie nauki; tekhnika i tekhnicheskie nauki [PUBLIC LIBRARY, Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, Chemical, Geological, and Geographical Sciences; Technology and Technological Sciences]. Vol. 8, nos. 28-29, Oct. 1963.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 2: Biologicheskie, meditsinskie i sel'skokhoziaistvennye nauki [PUBLIC LIBRARY, Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological, Medical, and Agricultural Sciences]. Vol. 6, nos. 28-29, Oct. 1963.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 3: Obshchestvennye nauki, khudozhestvennaia literatura, iskusstvo [PUBLIC LIBRARY, Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art]. Vol. 6, nos. 26-29, Sep.-Oct. 1963.

NOVYE KNIGI, bibliograficheskii ezhenedel'nik [NEW BOOKS; Bibliographical Weekly]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, vol. 8, nos. 41-44, Oct. 1963.

NOVYE KNIGI SSSR [NEW BOOKS OF THE U. S. S. R.]. Issued by Vsesoiuznoe ob"edinenie "Mezhdunarodnaia kniga" [All-Union Association "International Book"]. Moscow, nos. 40, 42-43, Oct. 1963.

NOVYE KNIGI ZA RUBEZHOM. Seriia V: Biologiia, meditsina, sel'skoe khoziaistvo [NEW FOREIGN BOOKS. Series V: Biology, Medicine, Agriculture]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, nos. 9-10, Sep.-Oct. 1963.

NOVYE KNIGI ZA RUBEZHOM PO OBSHCHESTVENNYM NAUKAM, ekonomika, filosofiia, istoriia, [illegible] i rodnye otnosheniia [NEW FOREIGN BOOKS ON SOCIAL SCIENCES, Economics, Philosophy, History, International Relations]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 6, nos. 9-10, Sep.-Oct. 1963.

SVODNYI BIULLETEN' NOVYKH INOSTRANNYKH KNIG, POSTUPIVSHIKH V BIBLIOTEKI SSSR. Seriia 4: Estestvennye nauki, meditsina, sel'skoe khoziaistvo, tekhnika [UNION LIST OF NEW FOREIGN BOOKS RECEIVED BY THE LIBRARIES OF THE U. S. S. R. Series 4: Natural Sciences, Medicine, Agriculture, Technology]. Moscow, no. 3(73), 1963.

b. LIBRARIES & LIBRARY SCIENCE

BIBLIOTEKOVEDENIE I BIBLIOGRAFIIA, ukazatel' literatury [LIBRARY SCIENCE AND BIBLIOGRAPHY, an Index to the Literature] Jan.-Mar. 1963. Issued by Nauchno-metodicheskii otdel bibliotekovedeniia i bibliografii Gosudarstvennoi biblioteki SSSR imeni V. I. Lenina [Scientific Methodological Division of Library Science and Bibliography of the V. I. Lenin State Library]. Moscow, no. 1, 1963.

LENINGRAD. PUBLICHNAIA BIBLIOTEKA. Trudy [PUBLIC LIBRARY. Transactions]. Vol. 11(14), 1963.
Table of contents translated
Mashkova, M. V. - Bibliography of children's literature from 1901 to 1917; an outline history of Russian bibliography in the 20th century p 7
Levin, M. I. - Main trends in science information service of large reference libraries p 65
Kernes, I. V. - Some problems in methods of forming library exhibits. p. 73.
Litinova, N. A. - History of services to youth in the Leningrad Public Library. p. 95.
Egorov, P. I. - Free access to shelves in foreign libraries, a survey of the literature from 1956 to 1961. p. 107.
Gol'dberg, A. L. - Information about Russia in the phrasic Renaudot's "Gazette." p. 139.
I. A. Goncharov's unpublished letters. p. 193.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Trudy [PUBLIC LIBRARY. Transactions]. Vol. 6, 1962.
Table of contents translated:
To the staff of the Lenin State Library, to all libraries of the Soviet Union. p. 3.
Introduction. p. 5.
Sobolev, L. S., and others - Speeches delivered at the Lenin State Library Centenary meeting held in the Bolshoi Theater. p. 11.
Reports made at the session dedicated to the centenary of the Lenin State Library:
Popov, A. I. - Libraries in the period of the large-scale building of communism. p. 33.
Kondakov, I. P. - The Lenin State Library and the aid of the building of communism. p. 50.
Abrikosova, E. S. - Present state and prospects for the development of service to readers in research libraries. p. 70.
Khrenkova, A. A. - The role and the place of the Lenin State Library in the system of mass libraries, guidance to the libraries of the country. p. 87
Kulikov, V. I - The role of the recommendatory bibliography in the all-around development of the personality during the large-scale building of communism. p. 140.
Bagrova, I. IU. - Reference and bibliographical service of the Lenin State Library to science, the national economy, and the communist education of the workers. p. 120.
Teslenko, O. P. - Some problems of Soviet library and bibliographical classification. p. 136.
Kozlovskii, B. I. - The present state and the future of work with rare and valuable publications in the Lenin State Library. p. 155.
Zhitomirskaia, S. V. - Collecting and using manuscript materials in the Manuscript Department of the Lenin State Library in the light of the tasks confronting the social sciences. p. 171.
Kanovskii, B. P. - International cultural relations of the Lenin State Library. p. 200.

SOVETSKAIA KNIZHNAIA TORGOVLIA [SOVIET BOOK TRADE] Organ of Ministerstvo kul'tury SSSR and TSentral'nyi soiuz potrebitel'skikh obshchestv SSSR [Ministry of Culture of the U.S.S.R. and the Central Union of Consumers Societies of the U.S.S.R.]. Moscow, vol. 15, no. 8, Aug. 1963.

Table of contents translated:

What books lie unsold? Why? p.1.
Great tenth anniversary. p.3.
Liashenko, G., Aizenberg, T. - Push popular political literature as directed by the first plan. p.6.
Agafonenkov, E. - Publication of belles lettres. p.8.
Arest, IA. - Publication plans for 1964 duplication again. p.9.
Pichkhadze, Mikh. - Aid the aesthetic education of the people. p.10.
Tregubov, A. - People's control, effective control. p.12.
Rakina, R. - Work that concerns the whole party. p.13.
First steps. p.14.
Filippova, L. - Make your advertising clear and easy to understand. p.14.
Alekseeva, N. - Tapes offer effective means of propaganda. p.16.
Kaminskii, A. - The buyer before you. p.18.
Sergienko, V. - What the "Goods Manager's Day" has done for us. p.18.
Samoilov, V. - "Publications of bygone years...." p.20.
Samoilov, V., Agaev, N. - "Ambassadors of indissoluble friendship...." p.20.
M.P. - Fair in Tiflis. p.21.
Golubtsova, K. - Be active in acquisition work. p.22.
Vial'tsev, B. - Three parallels.... p.23.
Emel'ianov, I., Shvarts, D. - Consumer cooperatives are their own wholesalers. p.30.
Dubonosov, P. - Card catalogs for orders are not necessary. p.31.
What are the rights and obligations of the store director? p.32.
Fotiev, V. - Cybernetics. p.34.
Ustinov, S. - If the bookkeeper knows his job. p.36.
Timofeev, P. - Subscription service for stamp collectors. p.37.
Beseдina, V. - Useful seminar. p.38.
Minina, T. - Thursday evenings. p.39.
Barbed lines. p.40.
In the Science and Technology Society. p.41.
Questions and answers. p.47.
Books for bookmen. p.48.

3. PHILOSOPHY & RELIGION

a. PHILOSOPHY

VOPROSY FILOSOFII [PROBLEMS OF PHILOSOPHY]. Issued by Institut filosofii Akademii nauk SSSR [Institute of Philosophy of the Academy of Sciences of the U.S.S.R.] Moscow, vol 17, no.8, 1963.

Table of contents translated:

The CPSU is the party of all people. p.3.
Mitrokhin, L.N. - Marxist interpretation of the problem of the individual. p.13.
Egides, P.M. - Marxist ethics on the purport of life. p.25.
Modrzhinskaia, E.D., and others. - Our time and social philosophy of the West. p.37.
Markarian, E.S. - Critical evaluation of the concept of parallel civilizations. p.40.
Kursanov, G.A. - Some current problems of Soviet philosophy. p.58.
Kallakhchian, S.T., Petrov, IU.P. - Study of philosophy in the institutions of higher education of the U.S.S.R. p.61.
Beliakova, G.I., and others - Philosophical studies in the Soviet institutions of scholarly research. p.67.
Zdravomyslov, A.G., IAdov, V.A. - How to plan the study of special problems in the field of social sciences. p.74.
Il'iashenko, F.I. - Studying the cultural level and technical qualifications of rural toilers. p.84.
Novik, I.B. - Gnosiological evaluation of cybernetic models. p.92.
Karginskaia, R.S. - Structure and functions of living matter at molecular level. p.104.
Gretskii, M.N. - Critical evaluation of neo-Hegelianism by the French Marxists. p.115.
Malinin, V.A. - Pushkin and Radishchev. p.125.
Kremianskii, V.I. - Types of reflection as the properties of matter. p.131.
Solopov, E.F. - Correlation between the forms of motion and the categories of matter in nature. p.143.
Davitashvili, L.Sh. - Some remarks on the development of scientific studies. p.155.
Tambovtsev, I.V. - An interuniversity conference in Ryazan. p.163.
Kon, I.S., Pavlov, L.S., Kharchev, A.G. - An effort to meet the greatest demands. p.167.
Ugrinovich, D.M. - We need more books on the philosophical problems of atheism. p.169.
processes of abstraction and the formation of ideas. p.173.
Abramova, N.T., Garkavenko, R.V., Solonov, E.I. - For a more thorough study of the philosophical problems of chemistry. p.176.
Mekhabaly Mamedovich Kasumov, obituary. p.181.

b. RELIGION

BRATSKII VESTNIK [HERALD OF BROTHERHOOD]. Issued by Vsesoiuznyi sovet evangel'skikh khristian-baptistov [All-Union Council of Evangelical Christians and Baptists]. Moscow, no.3, 1963.

Table of contents translated:

To all parishes of Evangelical Christians and Baptists in the U.S.S.R. p.3.
Christian peace theses. p.4.
Communiqué. p.6.
Journal "Christian Peace Conference." p.9
Duty of a Christian. p.11.
Somov, K.V. - Holy Spirit. p.14.
Karev, A.V. - Joshua [to be continued] p.22.
About prayer. p.36.
Commentary on some passages in the New Testament. p.40.
What a member of a Church should be p.49.
What Christ says about a sin. p.59.
To the member of the All-Union Council of Evangelical Christians and Baptists Il'ia Grigor'evich Ivanov. p.64.
Christenings at the Moscow Parish of Evangelical Christians and Baptists. p.65.
Kuznetsov, G.A. - Fiftieth anniversary of the Penza Parish of Evangelical Christians and Baptists. p.73.
Pletskaia, IU. - Death of A.M. Krasheninnikov. p.76.
Local news. p.77.

DUKHOVNOE PROBUZHDENIE [SPIRITUAL AWAKENING]. Helsinki, vol.42, nos.10-11, 1963

NAUKA I RELIGIIA [SCIENCE AND RELIGION] Issued by Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii [All-Union Society for the Dissemination of Political and Scientific Knowledge]. Moscow, vol 4, no 5, May 1963

Table of contents translated:

Journalists discuss the problems of atheism. p.3.
Plaksh, P. - Did the Tower of Babel exist? p.8.
Stories about sacred plants and animals. p.10.
Ugrinovich, D. - "Operation Eve." p.12.
Skachkov, S. - The lightning at work. p.14.
Mysteries and discoveries. p.16.
Kublanov, M. - Death and resurrection p.18.
Evin, P. - Mennonites. p.25.
Shamaro, A. - Traders of fear and hope. p.29.
Borisova, I. - Civilization the colonial way. p.34.
Kedrin, L. - The unemployed saint. p.40.
Gorskii, S. - Adams are competing... p.41.
Whom does the "Pilot" glorify? p.42.
Religion and church abroad. p.43.
Talanov, P., Okunev, I. - A guaranty of the freedom of conscience. p.45.
Oleshchuk, F. - Mikhail Osipovich Loginov. p.49.
Filippov, L. - Campanella. p.52.
Romanchenko, O. - The heretic. p.57.
Romanov, A. - Those who disappeared without trace. p.60.
Al'tshuler, M. - Leisure in chains. p.65.
Bartoshevich, E. - What the facts reveal. p.71.
Broadcasting programs for the school radio. p.74.
Kovian, V. - Atheist's tribune. p.76.
Zybkovets, V. - Did religion always exist? p.78.
Prophesies. p.82.
Memorial dates. p.84.
The "Orthodox Church Calendar" as seen by an atheist. p.85.
Ul'ianov, G. - John Proctor's rebellion. p.87.
Chernilevskaia, E. - Necessary for an atheist, useful for the believer. p.89.
Bukin, V. - Reading Solzhenitsyn's book... p.90.
Egorushkin, K., Leonidov, F. - Speculation on a topic. p.92.
Avksent'ev, A. - A book about Islam. p.93.
Questions and answers. p.95.

VECHNOE [THE ETERNAL]. Paris, no.11(191), Nov. 1963.

VOIOVNYCHYI ATEIST [MILITANT ATHEIST]. Issued by Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR [Society for Dissemination of Political and Scientific Knowledge of the Ukrainian S.S.R.]. Kiev, vol.4, nos.10(37)-11(38), Oct.-Nov. 1963.

4. HISTORY

a. GENERAL

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan, Istoriko-filologicheskii zhurnal [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Historical and Philological Review]. Erivan, no.2(21), 1963.

Table of contents translated:

Aslanian, G.G. - Crisis of bourgeois ideology. p.3.
Saakian, P.T. - Bard of great ideas p.17.
Manukian, M.T. - The art of Armenian "gusans" p.31.
Khachatrian, R.G. - Stepan Shakbazian. p.41.
Galantianian, A.T. - An outstanding student of Armenian literature. p.57
Kalashian, B.A. - Situation of industrial serfs in the Armenian copper industry. p.71.
Arutiunian, V.M. - City building in medieval Armenia. p.85.
Isaevich, IA.D. - Some features of Armenian contacts with the Ukrainians in Lvov from the 15th through the 18th century. p.101.
Grigorian, V.R. - "Fraternities of the brave" in the Armenian communities of the Western Ukraine p.115.
Melkonian, G.G. - Armenian cultural contacts with Syria in the fourth and fifth centuries. p.127.
Alekseev, V.P. - Some results of the study of Caucasian paleoanthropology p.139.
Asmangulian, A.A. - System of conjugational forms of Armenian verbs. p.151.
Tiryakian, Mihrdat. - A few words apropos of some critical remarks. p.169
Apresian, G.Z. - History of the aesthetic theories of Transcaucasian nations. p.171.
Ioannisian, A.G. - Correspondence between G. Akhverdian and G. Shirmazanian on Georgian and Persian guilds. p.187.
Norsisian, M.G. - Decembrists D. Iskritskii's and V. Vol'khovskii's letters on the Caucasus. p.217
Jalil, Jalile - Social and economic situation of the Turkish Kurds in the second half of the 19th century p.281.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata, Institut istorii, arkheologii i etnografii. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of History, Archaeology, and Ethnography, Transactions]. Alma-Ata, vol.18, 1963. Materialy i issledovaniia po etnografii kazakhskogo naroda [Materials and research on the ethnography of the Kazakh people].

Table of contents translated:

Vostrov, V.V. - Some ethnographic problems concerning Kazakhs in the Kzyl-Orda Province. p.30.
Zakharova, I.V., Khodzhaeva, R.D. - Kazakh men's and women's costume of the 19th and early 20th century. p.51.
Iskhakov, G.M. - Marriage rites among the Uigurs of eastern Turkestan according to the works of Russian scholars of the second half of the 19th century. p.89.
Masanov, E.A. - Notes on bone and stone carving among the Kazakhs in the second half of the 19th and early 20th century. p.103.
Tursunova, M.S. - From the history of the Kazakhs on the Mangyshlak Peninsula in the second half of the 19th century. p.122.
Ismagulov, O. - Paleoanthropology of Kazakhstan during the Bronze Age. p.153.

AKADEMIIA NAUK SSSR. Institut istorii. Srednie veka [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of History. The Middle Ages]. Moscow, no.23, 1963.

Table of contents translated:

Korsunskii, A.R. - Development of feudal relations in Visigothic Spain; the growth of the power and political independence of the owners of large material estates. p.3.
Neusykhin, A.I. - History of the ownership of land in Bolzano (before it developed into a city) and its vicinity, from the 10th through the 12th century. p.20.
Romanova, V.I. - Nomenclature of so-called "Gothic writing" in the manuscripts of the 13th-15th centuries. p.40.
Chistozvonov, A.N. - The Anabaptists of the 16th century and their attitude toward the problems of morality and domestic relations. p.64.
Saprykin, IU.M. - Early history of the Irish Rebellion of 1641-1652. p.91.
Zaborov, M.A. - History of international relations in Western Europe in the late 12th and the early 13th century. p.120.
Naumov, E.P. - History of the landed property of churches and monasteries in Serbia, Macedonia, and Zeta in the second half of the 14th century. p.134.

B 4

Zinger, IA. S. - Rule of the plebeian masses of Muenster p. 149
Rolova, A. D - Florentine industry in the second half of the 15th and the first half of the 17th century p 163
Kolesnitskii, N F - Ethnical and governmental development of medieval Germany, from the 6th to the 14th century p 183
Koval', B. I. - Role of slave labor on colonial plantations in the primary accumulation of capital in Western Europe, based on the materials of Brazilian history. p. 198.
Laptin, P F - Problems of rural communes in I. V. Luchitskii's works p 216.
Sidorova, N A. - Basic problems in the history of medieval universities in the interpretation of present-day bourgeous historiography p. 229.
Rys'kin, B I. - Problems concerning the early history of medieval European cities in the interpretation of present-day bourgeois West German historiography. p. 238.
Bessmertyni, IU. L. - Problem of West European commerce from the 9th through the 13th century in present-day western medievalistic studies, apropos of a discussion of Henri Pirenne's concepts. p 246
Rasktna, S. M. - Ockham as political thinker in the evaluation of present-day bourgeois historiography. p 265
Roginskaia, A E., Skazkin, S. D., Moldavskaia, M A - "France in the early 17th century, 1610-1620" by A. D. Liublinskaia, p 277.
Tatarinova, K N. - "The English bourgeois revolution; some problems of the English bourgeois revolution in the 1640's "by V. M Lavrovskii, M. A Barg. p. 288.
Vera Veniaminovna Stoklitskaia-Tereshkovich, 1885-1962. p. 300.
Janis Zutis, 1893-1962. p. 302
Briefly about our authors. p. 303.
List of abbreviations. p 304.

AKADEMIIA NAUK SSSR Institut istorii Vestnik drevnei istorii [ACADEMY OF SCIENCES OF THE U.S.S R Institute of History Review of Ancient History] Moscow, no 1(83), 1963

Table of contents translated:

S V Kiselev, an obituary. p. 3.
D'iakonov, I. M - Soviet studies devoted to the rural communes of the ancient East p. 16.
Gel'tser, M. L. - Rural communes and other forms of land tenure in the tenure in the ancient Kingdom of Ugarit p 35.
Kazakevich, E. L - Discussing the problem of the Saumakos Rebellion p 57.
Knipovich, T N. - More about the inscription on the lead plate published by G Kaffenbach. p. 71
Vaiman, A. A. - Interpretation of geometric constants from the Susa cuneiform list No. 1. p 75.
Porshnev, B F. - "Ethics and religion of the oppressed classes of the Roman Empire" by E M. Shtaerman p. 87.
Gamkrelidze, T V. - "The epic of Gilgamesh ('someone who has seen everything')." [Translated from the Akkadian] p. 95
Kaganov, I. IA., Slonimskii, M. M - "On the seven hills, studies of the culture of ancient Rome" by M. IU German, B P. Seleiskii, IU P. Suzdal'skii p. 104.
Dandamaev, M. A. - "Ancient Persia, a grammar and inscriptions with an etymological dictionary by M. Mayrohofer" [in Spanish] by W. Brandenstein. p 107.
Lur'e, S. IA. - "Mycenaean syllabic inscriptions, a critical study and comments" [in French] by Olivier Masson. p. 111.
Marinovich, L. P. - A review of recent archaeological excavations in Asia Minor and Italy. p. 119
M G. - "Historical study of the portrayal of slaves in the comedies of Plautus and Terence" [in German] by Peter P. Spranger. p. 137.
Karyshkovskii, P. O. - "The new style silver coinage of Athens" [in English] by M Thompson. p. 141.
Borukhovich, V. G. - "Ionian trade and colonization" [in English] by Carl Roebuck. p 144.
Semper, N. E. - Annotated bibliography of new books and articles in the field of Egyptology. p. 148.
Second All-Union Conference of Students of the Ancient East. p. 166.
A. Artsikhovskii's 60th birthday. p. 196.
Karakulakov, V. V. - Very important archaeological discovery in the Rumanian People's Republic. p 197.
A. K. Berger, an obituary. p. 199.
Greek orators of the second half of the fourth century B. C.; Hyperceides, Lycurgus, Dinarchus, and Aeschines (conclusion). [Translated from the Greek]. p. 201.

EVREI I EVREISKII NAROD; sbornik materialov iz sovetskoi ezhednevnoi i periodicheskoi pechati [JEWS AND THE JEWISH PEOPLE; Materials from the Soviet Daily and Periodical Press]. London, vol. 2, no. 4(6), 1962; vol. 3, nos. 1(7)-2(8), 1963.

KALENDAR' ZNAMENATEL'NYKH I PAMIATNYKH DAT [CALENDAR OF SIGNIFICANT AND MEMORABLE DATES]. Issued by Izdatel'stvo "Sovetskaia Rossiia" and Gosudarstvennaia publichnaia istoricheskaia bibliioteka RSFSR ["Soviet Russia" Publishing House and the State Public Historical Library of the R. S. F. S. R.], Moscow, vol. 8, no. 10, Oct, 1963.

Table of contents translated:

Twenty-second Congress of the Communist Party of the Soviet Union p. 4
To the victory of communist labor p. 12.
First Soviet artificial earth satellite. p. 19.
Denis Diderot. p 25.
German Democratic Republic. p. 30.
V A. Obruchev p. 36.
Giuseppe Verdi. p. 41.
M. S. Ol'minskii. p 45.
P. K. Kozlov p 49.
Birthday of the Communist Youth League. p 53.
N. I. Kibal'chik p. 60

MOSCOW. UNIVERSITET Vestnik Seriia 9 Istoriia [UNIVERSITY Review Series 9 History] Vol 18, no 2, Mar -Apr 1963.

Table of contents translated

Toward the further development of Soviet historical science] p. 3.
Munchaev, Sh. M. - Daghestan party organization during the first years of the Great Patriotic War. p. 20.
Moiseeva, G. I - Shop stewards in the works councils of English industrial enterprises and the Labor Party during the Second World War. p. 33.
Mikhailov, T. M. - Some reasons for the surviving traces of shamanism among the Buryats. p. 46.
Kuz'min, A. G - How Russian chronicles describe the destruction of Ryazan by Batu. p. 55.
IAnin, V. L - A. V. Artsikhovskii's 60th birthday. p. 71.

UKRAINS'KYI ISTORYCHNYI ZHURNAL [UKRAINIAN HISTORICAL JOURNAL] Issued by Instytut istorii Akademii nauk URSR [Institute of History of the Academy of Sciences of the Ukrainian S.S.R.] and others Kiev, vol 7, no 4, July-Aug 1963

Table of contents translated:

The brains, honor, and conscience of our epoch. p 3.
IUrchenko, O. T. - V. I Lenin on the establishment of the Marxist party of Russian revolutionary workers and the basic phases of its history and development. p. 13.
Makarenko, O A. - V. I Lenin and a movement for the solidarity of foreign workers with the land of the soviets, 1921-1923. p 25.
Petrov, V. P. - Ancient Slavs and their origin; the problem of Slavic ethnogeny. p. 36.
Sokhan', P. S. - Georgi Dimitrov and the Ukraine. p 45.
Shlepakov, A M. - Solidarity of the Slavic population of America with the Soviet people during the Patriotic War. p 50.
Hrozilenchyk, I. - Unity of the Slavic peoples in their struggle against fascism. p. 56.
Semenchuk, M. D. - International traditions of Czechoslovak communist newspapers. p. 60.
Kalenychenko, P. M. - Revolutionary work of Polish workers repatriated from the land of the Soviets, 1918. p. 65.
Khristov, Kh. - Some problems concerning the cultural contacts of southern Slavs with the Ukraine in the 1870's. p. 73.
Borys, V. O. - History of political contacts among Slavic peoples in the 1830's and the early 1840's. p. 76.
Birlina'ka, O F. - Efforts of Ukrainian party organizations to enhance the role of women workers in public and political life, 1921-1925. p. 80.
Stepanenko, T. N - Role of the Committee for the Convocation of the Second Congress of the Russian Social Democratic Party. p. 85
Lytvynenko, O. I. - Revolution of 1952 and the agrarian reform in Bolivia. p. 90.
Holodniak, O. T., Morozov, M. B. - The use of cybernetics in historical studies. p. 94.
Obonovs'kyi, V. P. - Industrial Chervonograd. p. 99.
Kryvko, IA. O - Past and present of the village of Dubovichi. p. 101.
Dmytrilenko, V. S. - Petroleum workers of Borislav during the Great Patriotic War p. 102
IAtsenko, I IA. - How "Za metall," a factory newspaper, has covered the problem of the communist education of workers. p. 105.
Kolomiichenko, I. I. - Participation of the Ukrainian Communists in a discussion among the members of the All-Union Communist Party, 1927. p. 107.
Bezkorovaina, A. T. - N. V. Krylenko, First Supreme Commander of the Soviet Armed Forces. p. 110.
Sydorenko-Zelezina'ka, H. M. - First physicians and hospitals in the Kiev Government. p. 114.
Sluchevs'ka, S. IA. - Outstanding fighter for communism; on the 75th anniversary of E. I. Kviring's birth. p. 116.
Landa, S. Sh. - A. V. Ivanov as a public figure of Odessa Province in 1922-1925 and a member of its party organization; on the 75th anniversary of his birth. p. 118.

Sarbei, V. I. - A herald of freedom and the [illegible] friendship of all peoples' on the 50th [illegible] of Lesia Ukrainka's death. p. 120.
Koval', M. K. - M. M. Pokrovskii, [illegible] historian and public figure, on the 90th [illegible] of his birth. p 124.
Shonia, A. D. - Liberation of the Donets Basin [illegible] the 20th anniversary of the defeat of Hitler's armies in the Donets Basin p. 126.
Hnyp, P. I. - V. P. Izhevskii; on the [illegible] birth. p. 128.
Rostykus, R. P. - Popular works on the [illegible] Bukovina. p. 129.
Kartsovnyk, E. B. - Brief bibliographic [illegible] literature devoted to the V. I. Lenin Hydro[illegible] Power Station on the Dnieper [illegible] the industrialization of our country. p 131
Hostička, V. - Present-day Czechoslovak [illegible] studies on Ukrainian history and Ukrainian [illegible] facts with Czechoslovakia. p. 134.
Kotlisher, T. M. - "V. I. Lenin and the Bolshevik organization in Ekaterinoslav; documents and materials." p. 136.
Denysovets', P. M. - "History of the collective [illegible] of Ukrainian agriculture. Vol. I. Development of the collective farm system in the Ukraine [illegible] 1927." p. 138.
Rubach, M. A., Stolan, P. K. - "Struggle of the Communist Party of the Ukraine for the [illegible] tion of the Ukrainian national economy, 1[illegible] by V. Samofalov. p. 140.
Stashevs'kyi, D. M. - "With the banner of [illegible] through the flames of war; diplomatic [illegible] the Ukrainian S.S.R., 1917-1920" by I. [illegible] p. 142.
Bel'fer, D. S., Hrekov, I. O., Chaikivs'kyi, H. P. - "Development of the Soviet Ukrainian [illegible] the civil war, November 1918-August 1919 p. 146.
Kir'ianov, IU. I. - "Ukrainian workers and [illegible] volutionary struggle in 1914-1917" by I. I [illegible] lyna. p. 147.
Apanovich, O. M. - "Struggle of the Ukrainian [illegible] against the aggression of Turkey and Tatars [illegible] second half of the 16th and the first half of the 17th century" by M. A. Alekberli. p. 150

Kulinych, I. M. - "Studies on the recent history of Germany" by V. D. Kul'bakin. p. 152.
Lavrov, IU. P. - The 145th anniversary of [illegible] birth. p. 154.
Lukin, V. P. - Glorious anniversary. p. 155
IU. L. - A session devoted to the centenary of the Polish Rebellion. p. 156.
Harnodii, H. P. - Discussing the results of [illegible] research at the 17th Conference of Uzhgorod University. p. 156.
Zakharchyshyna, P. I. - A study group and [illegible] and special branches of history. p. 157.
Filatova, O. M. - A conference of the Young [illegible] of Sumy Province. p. 158.
IAkovlev, S. O. - Defense of doctoral dissertation p. 158.

VOENNO-ISTORICHESKII ZHURNAL [MILITARY HISTORY JOURNAL] Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.] Moscow, vol 6, no. 8, Aug. 1963.

Table of contents translated:

Glazunov, P. - Ideological and political work of the Communist Party in front-line areas in the summer and autumn of 1943. p. 3.
Lipitskii, S. - Military action of an aggressive [illegible] early period of an offensive war. p. 11.
Fedorenko, V. - Pursuit of the enemy by [illegible] of armored combat vehicles. p. 26.
Vanceev, V. - Early history of military [illegible] foreign countries. p. 36.
Konev, I. - Military operations in the Kharkov [illegible] p. 49.
Sandalov, L. - Military action in the Bryansk [illegible] during the Orel operation. p. 62.
American plans for the invasion of Japan in 1945. p. 73.
Terekhin, K., Taralov, A. - Early period of the Patriotic War. p. 84.
Trukhin, G. - A new book on the Second World War. p. 88.
Zimin, IA. - New books on the military [illegible] Soviet tankmen. p. 92.
Glazov, V. - History of the development of the [illegible] bomb in the U.S.A., England, and Germany. p. 98.
Verzhbitskii, V. - Oppositionary action against the Russian Government in the Russian Army [illegible] Crimean War, 1853-1856. p. 104.
Amort, Cestmir - Russian soldiers as the [illegible] people remember and describe them. p. 109.
Lavrov, V. - A veteran of the First World War. p. 112.
Boiko, D. - We should correct some stories of the defense of Odessa. p. 115.
Averin, A., Buchenkov, P. - The 200th anniversary of Suvorov military schools. p. 118.
Aralov, S., Smirnova, G. - R. I. Berzin. p. 121.
Dobykin, D., Naumov, V. - Army Commander A. I. Loktionov. p. 125.
Basov, A. - Admiral D. N. Senlavin. p. 126.

VOPROSY ISTORII [PROBLEMS OF HISTORY] Issued by Otdelenie istoricheskikh nauk Akademii nauk SSSR [Department of History of the Academy of Sciences of the U.S.S.R.] Moscow, vol 38, no 9, Sep. 1963

Table of contents translated:

Drobizhev, V.Z., Kukushkin, IU.S. - Role of popular works in the dissemination of historical knowledge. p. 3.

Vyltsan, M.A. - Prewar standard of collective farm peasants. p. 15

Cherepnin, L.V. - History in A.S. Pushkin's creative work. p. 25.

Kon, I.S. - Neopositivism and the logic of historical science. p. 45

Lebedev, N.I. - Imperialist aggression against Egypt in 1956. p. 66

Wuensche, Renate - Penetration of German monopolies into China during the Sino-Japanese conflict in 1931-1933. p. 82

Shelamanova, N.B. - Work of the Archaeographical Committee. p. 95

Naida, S.F., Papin, L.M. - The tenth anniversary of the establishment of the first "Department of the History of Soviet Society" in a Soviet university. p. 97

Ustinov, V.M. - Against the distortion of the history of Central Asia and Kazakhstan. p. 100.

Zevelev, A.I. - "Agrarian policy of the Soviet regime in Uzbekistan, 1917-1920" by R. Kh. Aminova. p. 103.

Arutiunov, G.A., Poselianina, O.K. - "The Great October Revolution and the struggle of Armenian workers for the victory of Soviet rule" by TS.P. Agaian. p. 106

Eleusov, T. - "Uprising of 1916 in Central Asia and Kazakhstan" by Kh. Tursunov. p. 108.

Kheifets, M.I. - Diary of a minister of the Russian Government and the facts of life. p. 110

Livchak, B.F. - "Home guards in the Patriotic War of 1812" by V. Bakin. p. 114

Zadera, A.G., Pronshtein, A.P. - "Development of serfdom in Russia in the second half of the 17th century" by A.G. Man'kov. p. 116

Popov, V.I. - "International relations after the Second World War." Vol. 1 (1945-1949). p. 118

Lazarev, M.S. - "The national liberation movement in Algeria, 1939-1962" by R.G. Landa. p. 122.

Pichugin, B.F. - "History of the trade-union movement in foreign countries, from the 1760's to 1939." p. 123.

Livshits, G.M. - "History of ancient Greece." p. 125.

New books. p. 127.

Historical articles in Soviet periodicals. p. 129

Zorina, A.M. - Our meeting with Julio Le Riverend. p. 134.

Verzhbitskii, V.G. - The 80th anniversary of the State Historical Museum. p. 135.

Doctoral dissertations defended in 1962. p. 137.

Brief notes. p. 139.

Ushakov, V.B. - Postwar West German studies on the history of international relations. p. 143.

Grosul, IA.S., Russev, E.M. - "A study on the history of Russo-Rumanian relations, from the ancient period to the middle of the 19th century" [in Rumanian] by G. Bezviconi. p. 149.

Parsadanova, V.S. - The "great" and "petty" policy of Josef Beck. p. 151.

Poliakov, V.G. - "The cold war, retrospect and prospect" [in English] by F.L. Schuman. p. 153.

Korolev, S.I. - "The Asian century, a history of modern nationalism in Asia [in English] by J. Romain. p. 156.

Churkina, I.V. - "History of the Slovenian people" [in Slovenian] by B. Grafenauer. Vols. 1-5. p. 158.

Avdusin, D.A. - "The age of the vikings" [in English] by P.H. Sawyer. p. 163.

Ul'ianova, S.I. - "Economic and social situation of Argentina" [in Spanish] by M. Isacovich. p. 165.

Historical articles in periodicals published in socialist countries. p. 167.

Kamenetskii, B.A. - "The English historical review," an English periodical. p. 168.

Grossman, A.S. - Concept of the "motherland" in the interpretation of an East German historian. p. 174.

Gaikina, A.D. - Agrarian reform in Chile. p. 175.

Kan, A.S. - The U.S.S.R. and the neutral states during the Second World War. p. 176

Budkevich, S.L. - Progressive scholars are struggling for peace. p. 177.

Reznikov, A.B. - Invective instead of scholarly criticism. p. 178.

Filitov, A.M. - New data on the colonialist plans of the German Empire in the Baltic Sea region in 1918. p. 180.

Shol'skii, A.IA. - Regional fraternities of West German students are the champions of revanchist and militarist ideas. p. 181.

Kremer, I.S. - A few words about a discussion in West German newspapers. p. 182.

Askol'dova, S.M. - Legend about "cooperation" among the classes of the U.S.A. p. 183.

Erofeev, N.A. - New trends in studying the history of the American Revolution in the 18th century. p. 185.

Kazhdan, A.P. - Political struggle in the Byzantine Empire in the late 11th and the early 12th century. p. 185.

Koshelenko, G.A. - The Roman Army and Roman religion. p. 186

Foreign reviews of Soviet historical studies. p. 187

Gronevskii, K. - Present-day Polish historiography of modern and recent history. p. 189.

Brief notes. p. 194

Dushen'kin, V.V. - A decoration of honor for rewarding the brave defenders of our country; the 45th anniversary of the establishment of the Order of the Red Banner. p. 197.

Gliazer, L.S. - History of working out the laws on social insurance payments to destitute peasants. p. 202

Shutoi, V.E. - Documentary materials on the history of the U.S.S.R. in Austrian State Archives. p. 208

Kuz'min, A.G. - Historical source materials used in V.N. Tatishchev's "Russian history." p. 214

b. ARCHAEOLOGY & ANTIQUITIES

EPIGRAFIKA VOSTOKA [EPIGRAPHY OF THE ORIENT]. Issued by Institut arkheologii Akademii nauk SSSR [Institute of Archaeology of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 15, 1963.

Table of contents translated

Livshits, I.G. - A slab from the pyramid of Pharaoh Pepi I. p. 3.

Gvakharila, V.A. - Hexadic and decimal systems of numeration in some writings of the ancient Near East. p. 6.

Shifman, I.Sh. - Meaning of the term "bd" in Punic inscriptions. p. 17.

Dandamaev, M.A. - Problem of old Persian writing. p. 24.

Lundin, A.G. - New Southern Arabic inscriptions from the Saba Museum. p. 36.

Borisov, A.IA. - Notes on epigraphic problems. p. 51.

Smirnova, O.I. - A treasure-trove of Abbasid drachmas from the Pendzhikent ancient settlement, the third quarter of the eighth century. p. 58.

Bol'shakov, O.G. - Arabic inscriptions on the ceramic watering vessels of Central Asia from the 9th through the 12th century. p. 73.

Dobrovol'skii, I. - A Samarkand fels of Ishaq ibn Ahmad. p. 88.

Povzner, S.B. - Two pieces of the thin silk of Marwan from the A.S. Pushkin Museum of Pictorial Arts. p. 90.

Gaulk, V.IA. - New inscriptions on the building of a khankah. p. 94.

Neimatova, M.Kh. - Some epigraphic monuments of the Shirvan Steppe of the 14th-16th centuries. p. 99

Krachkovskaia, V.A. - Forty years of Soviet studies on Arabic inscriptions. p. 110.

Melikset-Bek, L.M. - Deciphering an inscription on an Armenian fresco in the church of Ishan. p. 117.

Kuryshzhanov, Abzhan - Graphical form of a word in the "Codex Cumanicus," a monument of the Kipchak language. p. 120.

Vorob'ev, M.V. - Determination of ancient Chinese coins "K'ai-yuan t'ung pao." p. 123.

Shavkunov, E.V. - How the K'itan called themselves, some new data. p. 147.

Shavkunov, E.V. - Deciphering of "small" K'itan-Juchen writing. p. 149.

Dashkevich, V.T. - Inscriptions on the fittings of Japanese swords. p. 154.

Masson, V.M. - Monograms on Greek-Bactrian and Indo-Greek coins. p. 162.

Bol'shakov, O.G. - Second fels of Ikhrid, the ruler of Kesh. p. 165.

Krachkovskaia, V.A. - Preliminary information on ancient tables from Mohammedan burial grounds in the western Pamirs. p. 166.

Krachkovskaia, V.A. - Arabic inscriptions on Academician I.IU. Krachkovskii's gravestone, on the 80th anniversary of his birth. p. 169.

V.K. - Brief news and bibliographical notes. p. 173.

MATERIALY I DOSLIDZHENNIA Z ARKHEOLOGII PRIKARPATTIA I VOLYNI [MATERIALS AND RESEARCH IN THE ARCHAEOLOGY OF CISCARPATHIA AND VOLHYNIA] Issued by Instytut suspil'nykh nauk Akademii nauk Ukrains'koi RSR [Institute of Social Sciences of the Academy of Sciences of the Ukrainian S.S.R.] Kiev, no 4, 1962

Table of contents translated:

Chernysh, O.P. - Exploration of Mousterian monuments in the Dniester Valley in 1959. p. 3.

Savych, V.P. - Liga No. 6, a multilayer paleolithic site. p. 19.

Smishko, M.IU., Peleshchyshyn, M.A. - Settlement of the culture of funnel-shaped pottery in the Malyye Gribovichi village, Lvov Province. p. 28.

Svieshnikov, I.K. - Monuments of the culture of the pottery ornamented with dotted lines in the Ustya Valley. p. 44.

Smishko, M.IU. - Sarmatian burial near the Ostrovets village, Stanislav Province. p. 54.

TSyhylyk, V.M. - New materials on the study of the culture of Carpathian mounds in Transcarpathia. p. 71.

Baran, V.D. - Settlement of the first century A.D. in the Rakobuty village on the Southern Bug. p. 80

Aulikh, V.V. - Metal buckles and ornaments from the upper stratum of an ancient site in the Zimna village, Volyn' Province. p. 92.

Ratych, O.O. - Results of the study of the early Russian site of Zamchisk in Sadova Vishnya, Lvov Province in 1957-1959. p. 105.

Dahrii, P.S. - New Slavic and early Russian monuments on the territory of Volyn'. p. 120.

Krushel'nyts'ka, L.I. - New materials on the archaeological map of the upper Dnieper Valley. p. 131.

5. SOCIAL SCIENCES

a. COMMERCE

KOOPERATOR KAZAKHSTANA [THE COOPERATIVE WORKER OF KAZAKHSTAN]. Issued by Soiuz potrebitel'skikh obshchestv Kazakhskoi SSR [Association of Consumer Societies of the Kazakh S.S.R.]. Alma-Ata, vol. 6, no. 3, June 1963.

Table of contents translated.

Mel'nik, G. - For the benefit of the agricultural worker. p. 3.

In the Committee of Party and State Control of the Central Committee of the Communist Party of Kazakhstan and the Council of Ministers of the Kazakh S.S.R. p. 8.

Bondarenko, A. - Organization is a business of paramount importance. p. 11.

Saltykova, E. - Youth proclaims An impeccable reputation [for every cooperative]. p. 14.

Losukova, S. - Goods find their buyers, report. p. 15.

Mishin, K. - Origin of the "commodity fetish." p. 16

Ishmoev, R. - What is the reason? The lack of control. p. 18.

Elmagambetov, B. - Sasha - "Agai." p. 19.

Solomakha, T. - Nothing has been done yet... p. 20.

Salaev, A. - Abundant in some, while lacking in others. p. 20.

Viktorov, K. - Lemonade with the workers' cooperative trademark. p. 21.

Artsishevskii, A. - When they forget about the main thing. p. 22.

Garifova, S. - A bad manager brings disorder to the household. p. 24.

Krasnov, B. - A travel pass for life. p. 25.

Vasatiuk, G. - Initiative requires support. p. 30.

Merolaev, A. - Kind helpers. p. 31

Il'ina, T. - Book friends' council. p. 31.

IAkovlev, N., Stepanov, I. - Instill love for a future occupation. p. 32.

Vasil'ev, K. - Excellent study is the goal. p. 34.

Baranov, IU. - Theory is substantiated by practice; photoreport. p. 35

Sergeeva, M. - Conflicts, vital and artificial. p. 39.

Rozmanov, M. - International Cooperative Day. p. 41.

IAruilin, S. - Blank spots on the map are obliterated. p. 44.

Tuleuov, K. - A truck store follows the flock. p. 45.

Kontukhov, V. - New development in the life of the virgin-land farmers. p. 47.

Give farm workers daily care and attention. p. 47.

Guzii, R. - The fruits of the reorganization are beneficial. p. 51.

Petrova, I. - Business accounting in bakeries. p. 52

Leino, I. - The plunderer will not escape punishment. p. 54

Shumskii, P. - The cooperative came into existence together with state farms. p. 56.

Akhmetov, M. - The trademark is excellent! p. 57.

Zavodovskii, I. - One more gift. p. 57.

Il'in, V. - Love thy neighbor. p. 58.

Khamzina, S. - Who ate the honey; satire. p. 61.

Follow-up of our materials. p. 62.

Kopylin, V. - Housewarming; satiric verses. p. 63.

New books by the Publishing House of the Central Union of the Consumers' Cooperatives. p. 64.

For you, housekeeper. p. 61.

NOVYE TOVARY; informatsionnyi biulleten' [NEW CONSUMER GOODS, Information Bulletin]. Moscow, nos. 5-6, 1963.

SOVETSKAIA POTREBITEL'SKAIA KOOPERATSIIA [SOVIET CONSUMER COOPERATION]. Issued by TSentral'nyi soiuz potrebitel'skikh obshchestv SSSR [Central Union of Consumers Societies of the U.S.S.R.]. Moscow, vol. 7, no. 7, July 1963.

Table of contents translated:

Lopatkin, M. - The 60th anniversary of the Second Congress of the Russian Social Democratic Party. p. 1.

Toward a new improvement in cooperative work; from the Central Union of Consumers' Cooperatives meeting, May 7-8, 1963. p. 3.

Makarov, S - In the steppes of the Black Sea region p 11
Drobnitsko, I. - We value our high title p. 15.
Vasil'ev, A. - Love of occupation p 16
Timokhin, S - Economic bureau in a brand plant p 18
Vinnitskii, M - Selection centers p. 19.
Maksimov, N. - Supplementary commodity resources p 21
Khasanov, M - Is such mediation necessary? p 23
Letvin, V - But there were possibilities p 26.
Pleshev, A - Unjustified calmness p 29.
Frolan, A. - More on training commodity experts. p 31.
Subject to public control. p. 33
Editor's mail p 42
Galin, G. - Absence of control is the ally of mismanagement p 44
Klimanov, V. - Construction of slaughtering centers p 47
Lekhova, Z , Pirogov, P. - State delivery operations of a cooperative society p 50
For peace, friendship and cooperation! p 55
Kanevskii, L. - Encounter with history. p 58.
Stolmo, L. - Our Malenkovskii p 60.
Gurevich, B - Consultation and advice p 62
Criticism and bibliography. p 63.

Vol 7, no 9, Sep 1963.

Table of contents translated
Victory of Lenin's policy of peaceful coexistence p 1
Most important task of trade-union organizations. p 3
Khachaturov, IU - In the interests of rural workers. p 7.
Burkhanov, Abbas. - What we are going to tell our friend about. p 11.
Kozak, P - Slavuta cooperative societies. p. 12
Khasanov, M - We need good equipment. p 14
Emel'ianov, I , Shvarts, D - Promoters of books p 15
Supotnitskii, N - Unused possibilities. p 19
Lebedeva, M - Managerial school p. 24.
Bolsakina, A., Timofeeva, A - Customers should have inexpensive food p 26
The editor's mail p. 30
Balashov, A - Let's raise the level of planning. p 32.
Zharkov, S - We don't need papers but tangible work. p 36
Ushakov, A , Rakitskikh, V. - What practice teaches us p 39.
Zuev, M - Simplifying the accounting in the wholesale business. p. 41
Voloshin, F - Urgent task of the international cooperative movement. p. 44
Iordanov, G - Cooperative societies serve the development of socialism p. 47
Galin, G. - Let's give continuous attention to public control p 50
Gafurzhanov, A. - Public property should be under lock and key p. 53
Manchenko, A - Activists prevent shortcomings p 54
Blank, G. - Material and technical base of a cooperative society p. 55
Oparin, A - Liusia's fancy, a story. p 60.

SOVETSKAIA TORGOVLIA [SOVIET COMMERCE]. Issued by Gosudarstvennyi komitet po torgovle pri Sovete narodnogo khoziaistva SSSR [State Committee for Commerce, Attached to the Economic Council of the U.S.S.R.]. Moscow, vol. 36, no. 9, Sep. 1963.

Table of contents translated:
Editorial. Work routine. p. 1.
Lokshin, R. - What has been accomplished in the four years of the seven-year plan. p. 6.
Grigor'ev, S. - Assortment and quality. p. 12.
Turetskii, Sh. - Demand and prices. p. 16.
Uosis, S. - Turnover of goods, purchasing funds and currency circulation. p. 21.
Maksuev, V. - "Frozen food" store. p. 24.
Klepikov, N. - Delivery of notions in containers. p. 25.
Dianov, S., Petrov, N. - Provide potato storage with a dependable temperature regulation. p. 27.
Grimm, A. - Grape storage. p. 30.
Aizenshtein, I. - New shops in Georgia. p. 32.
Markushevich, A. - The design was received... and executed. p. 35.
Krasov, A., Khvastunov, P. - Balance of an enterprise. p. 36.
Levin, E. - Equipment for the mechanization of loading and unloading work. p. 37.
Shafer, B. - Simple, comfortable and graceful. p. 41.
Kurenina, S. - Artistic and pictorial characteristics of an advertising poster. p. 44.
Zotov, G. - Structural changes in the organizational trade forms in capitalist countries. p. 50.
The All-Union conference of trade workers. p. 55.

TORGOVLIA ZA RUBEZHOM; organizatsiia, novye metody, tekhnika torgovli i massovogo pitaniia [TRADE ABROAD; Organization, New Methods, and Equipment of Trade and Public Food Service]. Moscow, no. 10, 1963.

Table of contents translated
Popov, A. - Arteries of socialism. p. 3.
Vladimirov, K. - Trade relations with France. p. 7.
Exhibitions
Gorlunov, F. - Achievements of the Indian people. p. 9.
Vedin, Vs. - Citizens of Kiev become acquainted with Yugoslav manufactures. p. 10.
Kruchina, V. - There is a great interest in Polish export goods. p. 11.
Gorev, I - Who is against reasonable proposals? p. 13
Naborov, V. - Vitally important problems. p. 16.
Oganis'ian, IU - The Algerian National Democratic Republic. p. 19.
On the problems of the "Common Market." p. 25.
Frumkin, A. - Is it the reforms that matter? p. 28.
Tumanov, IU. - Maintaining high technical standards. p. 34.
Mogutin, V. - Cost of export credit in the equipment trade. p. 37.
Maslennikova, V. - Transportation and dispatching service. p. 41.
Rusanov, A. - At the fair of five continents. p. 44.
Liubimov, N. - Modern France. p. 50.
Gutorovich, A., Danilov, S. - Commotion in Fountain Valley. p. 51.
Trade agreement between the Union of Soviet Socialist Republics and India. p. 56.
Announcements. p. 60.

b. ECONOMICS

EKONOMIKA RADIANS'KOI UKRAINY [ECONOMICS OF THE SOVIET UKRAINE]. Issued by Instytut ekonomiky Akademii nauk URSR [Institute of Economics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, no. 5, Sep.-Oct. 1963.

Table of contents translated
Editorial: The cause of the Great October Revolution is alive and victorious. p. 3.
Tereshchenko, M. - Specialization and cooperation in the ferrous metallurgy of the Ukrainian S.S.R. p. 13.
Tareiko, N. - Ways of developing the converter method of steel making. p. 19.
Semeniuk, I. - Develop the industry manufacturing structural elements and building materials. p. 22.
Vasylenko, H. - Planning costs and provisional prices for agricultural machinery. p. 28.
Lukinov, I. - Prices for livestock products. p. 34.
Tymchenko, I. - Influence of intensification on the level of agricultural production p. 41.
Hrinchuk, L. - Feeds and milk production. p. 44.
Kuzniak, B. - Specialization of vegetable growing on collective farms. p. 49.
Cherniavs'kyi, A. - Ways to increase labor productivity in viticulture. p. 53.
Korinnyi, P. - Distribution and development of fruit culture in the Donets Basin. p. 59.
Bozhenok, M. - Efficiency of growing perennial lupine in Polesye. p. 64.
Davydenko, O., Pysariev, IE. - Efficient distribution of the production of rock products to be used in construction in the Ukrainian S.S.R. p. 68.
Pozhyvilova, N. - Several problems of determining the efficiency of new machinery in industry. p. 72.
Darahan, M., Moskvin, O. - The system of interdependent indices in the analysis of the national income. p. 76.
Korostash, A. - Success of the communist labor movement in the republic. p. 79.
Kryzhko, I. - Developing communist labor forms in the coal mines of the republic. p. 84.
Dibrova, H. - The Lugansk miners in the effort to carry out the seven-year plan ahead of schedule. p. 87.
Astakhov, S. - Practice in organizing communist labor competition in the Nosenko Plant. p. 90.
Prokopenko, M. - How to calculate the productive capacity of a machinery manufacturing enterprise. p. 93
Bezsonov, IE. - Piecework-bonus wages on state farms. p. 101.
Nezhel's'kyi, V. - Communal division of labor under socialism. p. 107.
Vovko, D. - Friendly aid to underdeveloped countries. p. 114.
Liberman, IE., Klochko, V. - Labor productivity and potentials for increasing it in the industry of the Ukraine. p. 119.
Rudym, P. - Development of cooperative housing construction in the Ukraine p. 121.
Obraztsova, N. - Efficient size of collective farms in the Ukraine. p. 123.
Palkin, IU., Khonikman, IA. - For the profitableness of the potash industry. p. 126.
Scale of labor productivity. p. 127.

EKONOMIKA STROITEL'STVA [ECONOMICS OF CONSTRUCTION]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R. for Construction]. Moscow, [illegible] 1963.

Table of contents translated
Editorial: New principles of construction [illegible] p. 3
New principles of construction planning [illegible] from the conferences of the party [illegible] groups of important economic regions [illegible]
Glushenko, P., Glukhovskii, K. - [illegible] reorganization. p. 14.
Barskov, I. - Development of the chemical [illegible] should be on a higher level. p. [illegible]
Erlikh, N. - First results of economic [illegible] p. 32.
Olitskii, G. - Applying the standard [illegible] for the production expenditures of the [illegible] Housing Construction Combine. p. [illegible]
Berman, Z. - Suggestions for the [illegible] termining the productive capacity of [illegible] and assembly organizations. p. [illegible]
Poltorygin, V. - Calculating the [illegible] of construction organizations. p. [illegible]
Konoplev, D. - Productive capacity of [illegible] organization. p. 46.
Pushkarev, V., Odintsov, D. - Influence [illegible] tional and technological factors on the [illegible] housing construction combines. p. [illegible]
Davuu, D - Development of construction [illegible] golian People's Republic. p. 50.
Problems of material encouragement of [illegible] workers. p. 54.
Estimates problems. p. 55.
Republic conference of research workers. [illegible]
Klevskii, V. - Instructions in determining [illegible] nomic efficiency of technological [illegible] struction. p. 57.
Signev, P., Shraibman, M. - "Economic [illegible] Industry. Construction." p. 60.
Gurevich, M., Shefter', E. - Establishing [illegible] working capital in construction. p. [illegible]
Letters to the editor. p. 69.

No. 10, Oct. 1963.

Table of contents translated
Editorial: Give more attention to introducing [illegible] proving a material incentive system [illegible]
Pak, IU. - Piecework-bonus wage system [illegible] struction workers. p. 7.
Budnikov, M., Rybal'skii, V. - Continuous [illegible] in construction production is one of the [illegible] for the industrialization of production [illegible]
Shlychkov, V. - Ways to reduce [illegible] labor productivity in keramzit [illegible]
Sokolov, IU. - Developing the production [illegible] aggregates in the North Caucasian [illegible] gion. p. 26.
Sokovnin, M. - Working capital of [illegible] tion combines. p. 35.
Anufriev, V., Zubkikin, G., Simanovskii, [illegible] Operation planning by construction [illegible] trial projects. p. 39.
We are discussing the problems of the [illegible] tives of construction workers. p. 47
Klarin, V., Silov, P. - Using the piecework [illegible] wage system for construction workers [illegible]
Ionas, B., Al'tshuller, I., Fomichev, N. - [illegible] principles of planning wage funds and [illegible] wage methods. p. 66.
Practice in using price lists in construction [illegible]
Procedure for paying wages and bonuses [illegible] individual categories of workers [illegible] p. 69.
Ennuste, J. - Optimal unification of prefabricated [illegible] parts. p. 71.

LIAUDIES UKIS [THE NATIONAL ECONOMY]. Issued by Lietuvos TSR Valstybine plano komitetas [State Planning Commission of the Lithuanian S.S.R.] and others. Vilnius, nos. 9(69)-10(69), Sep.-[illegible] [In Lithuanian]

MIROVAIA EKONOMIKA I MEZHDUNARODNYE OTNOSHENIIA [WORLD ECONOMICS AND INTERNATIONAL RELATIONS]. Issued by Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii Akademii nauk SSSR [Institute of World Economics and International Relations of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 9, 1963.

Table of contents translated
Nakropin, O., Sukhodeev, V. - World [illegible] struggle of two ideologies. p. 3.
Vinogradova, L. - Economic unity of Africa [illegible] ments and obstacles. p. 15.
Zorin, Val. - Marxism-Leninism and the [illegible] disarmament. p. 24
Petrov, D. - Characteristics of the Japanese [illegible] in Asia. p. 35.
Koval'skii, N. - Struggle of two courses in [illegible] p. 46.
Winston, H. - Negroes in the U.S.A.; the [illegible] its lessons. p. 60.
Lopatin, G. - Foreign exchange problems of [illegible]

"Common Market." p. 72.
Kniazhinskii, V. - Mr. Brandt "refutes" Marxism. p. 80.
Mikhailov, I. - Main problems of the struggle of the proletariat in the U.S.A. p. 82.
Slobodenko, A. - Modern military doctrine of Great Britain. p. 91.
Popov, N. - Cooperation of the Mutual Economic Assistance Council countries in developing fuel and power industries. p. 100.
Petrov, Vl. - Decline of British diplomacy. p. 105.
Shpil'ko, G. - Dynamics and structure of capital equipment in the economy of the U.S.A. p. 115.
Arkad'ev, V. - Spanish colonies in Africa. p. 126.
Sergeev, S. - Oscar Kambona. p. 132.
Delnichenko, G. - Reginald Maulding. p. 133.
Markov, A. - Otto Habsburg. p. 134.
Dabich, Iu. - William Borst, Junior. p. 137.
Beliaev, K. - "New Statesman." p. 139.
Viktorov, Ia. - In the confusion of feelings. p. 143.
Lorin, V., Matlina, A. - Yankee imperialism and Latin America. p. 147.
Savel'ev, N. - French economist's book on India. p. 153.
New books published abroad. p. 156.

NARODNOE KHOZIAISTVO ARMENII [THE NATIONAL ECONOMY OF ARMENIA]. Issued by Gosplan Soveta Ministrov Armianskoi SSR [State Planning Commission of the Council of Ministers of the Armenian S.S.R.]. Erivan, nos. 9-10, 1963. [In Armenian]

NARODNOE KHOZIAISTVO KAZAKHSTANA [THE NATIONAL ECONOMY OF KAZAKHSTAN] Issued by Gosplan Kazakhskoi SSR [State Planning Commission of the Kazakh S.S.R.] Alma-Ata, vol. 21, no 4, Apr 1963

Table of contents translated:
Editorial. Decisive force of economic development. p. 4.
Adilov, A. - Along the path pointed out by Lenin. p. 10.
Il'in, S. - So they decided to write it off as scrap metal.... p. 17.
Kir'ianova, A., Pantchev, A. - Who controls the introduction of recommendations. p. 21.
Zil'bershtein, I. - Put the collective's suggestions into practice. p. 25.
Kon'ko, N. - Have no pity on waste makers. p. 28.
Shaukenbaev, T., and others. - The key to cost reduction. p. 31.
Alesnikov, S. - Poor organization and management at every step. p. 34.
Timofeev, L., Drukker, R. - It is possible to prevent losses. p. 37.
Radostovets, V. - Mechanize the preparation of original documentation. p. 39.
Privman, S. - According to the old cliche. p. 43.
Bobir, N. - There is a need for corrections, supplements and amendments. p. 46.
Podkidyshev, N. - On the lack of coordination and its results. p. 50.
Khovin, A. - Introduce new indices. p. 53.
Kholin, B. - We are making subsidiary industries specialized. p. 56.
Nikolaev, A. - Brigade is headed by a leader. p. 59.
Zarnitsyn, A. - Track walker. p. 60.
Kadyrov, A. - Workshop economist. p. 62.
IAkovleva, T. - We shall prepare... change... finish.... p. 64.
Turina, B. - Clothing monstrosities. p. 65.
Labor productivity in Kazakhstan industry. p. 66.
Anistibovitskii, M. - Operation planning. p. 68.
Kozlov, G. - Economy of the republics of the Soviet East. p. 72.
Ovcharenko, E. - Rare earths. p. 77.

Vol. 21, no. 7, July 1963.

Table of contents translated:
Fedulkin, S. - The CPSU is the sponsor and organizer of industrialization. p. 3.
Aitiev, T. - The Lenin agrarian program. p. 9.
Kenbaev, R. - Becoming an economist is the demand of life. p. 12.
IAkubonek, B. - Is this mismanagement? p. 17.
Fateev, R. - The prestarting barriers. p. 21.
Balgozhin, Sh. - Powerful intensifier. p. 24.
Kim, L., Gostrenko, M. - Centralize oxygen production. p. 28.
Mogil'nikov, P. - What is revealed during the auditing process. p. 29.
Sokolov, V. - Account for all expenditures. p. 32.
Anan'eva, L. - We are improving the establishment of work norms. p. 34.
Krasovich, E. - Path toward three-thousand tons a day. p. 36.
Elpidin, B., Stupnikov, V. - New development in founding production. p. 39.
Maillanov, G., Leonova, Z. - Working capital... which does not work. p. 41.
Kim, L. - Not a single construction project is put into operation. p. 44.
Die stamping by the explosion method. p. 47.
Ivanov, I. - In great debt to the population. p. 48.
Vasin, I. - Assembly workers. p. 53.
Larchenko, M. - One should love his job. p. 54.
Gorelova, V. - Others compete with us now. p. 56.
Lobanov, G. - Friends' hands. p. 57.
Pukhod'ko, V. - Enterprise, culture and aesthetics. p. 58.
Rassulov, R. - Centralization and concentration are the way out of a closed circle. p. 61
Semykin, A. - Utilize reservoir resources correctly p. 64
Miletskii, B. - Put Aktyubinsk phosphates into production p. 67.
Bernshtein, G., Kolomytsev, I. - Waste oils could be utilized p. 68.
Bok, I., Darishev, M., Urpekov, Sh - Problems of the comprehensive utilization of the Kustanay ores. p. 70.
Vasil'ev, V. - Reorganization is necessary. p. 73.
Sulcimenov, R., Bisenov, Kh. - Chronicle of glorious deeds. p. 76.
Mironcnko, L., Chirkin, V. - Disseminate this book among all construction workers. p. 78
In the State Planning Committee of the Kazakh S.S.R. p. 79.

NARODNOE KHOZIAISTVO UZBEKISTANA [THE NATIONAL ECONOMY OF UZBEKISTAN]. Issued by Gosudarstvennaia planovaia komissiia Soveta Ministrov Uzbekskoi SSR [State Planning Commission of the Council of Ministers of the Uzbek S.S.R.]. Tashkent, vol 5, no 9, Sep 1963.

Table of contents translated:
Editorial. The policy toward improving the efficiency of capital investments. p. 3.
For a flexible and cheap administrative apparatus on collective and state farms. p. 9.
The national economy should develop harmoniously. p. 11.
"Utilize the Almalyk supply of raw materials comprehensively." p. 17.
Build faster, cheaper and better. p. 18.
Il'inlov, R. - Construction workers are waiting for help. p. 25.
Rostovtsev, L. - Urban development should have precise planning. p. 26.
Vladimirov, S. - Vocation. p. 31.
Desiatchikov, B., Sadykov, V. - When will the mechanization of cotton harvesting be completed? p. 34.
Kolesnskii, L., Azimov, D. - "Ust-Urt," a highly profitable farm. p. 40.
Tikhonov, IA., Lazur'evskaia, A. - The feed productivity of land is the criterion. p. 46.
TSunts, Z., Postolov, I., - Develop flour and feeds as well as the combined feeds industries. p. 50.
Specialization gains new positions. p. 54.
Produce more food products for the population. p. 54.
The main designing and technological organizations. p. 55.
Bronshtein, A. - Wonderful petroleum pipelining. p. 56.
Mints, I. - Fuel industry planning should be on a scientific basis. p. 59.
Targanskii, M., Shneiderman, M. - Specialization in the repair of metal-cutting equipment is a vitally important task. p. 63.
Leksashev, F., Khutorov, A., Kovalenko, B. - Groundless scepticism. p. 68.
Gazizov, A., Pan, A. - Universal material. p. 70.
Gotgil'f, A., Kim, P. - Socialist property is sacred and inviolable. p. 75.
Faibushevich, V., Sagatov, R. - Promoting man's health. p. 77.

PLANOVOE KHOZIAISTVO [PLANNED ECONOMY]. Issued by Gosplan SSSR and SNKh SSSR [State Planning Committee of the U.S.S.R. and the Economic Council of the U.S.S.R.]. Moscow, vol. 40, no. 10, Oct, 1963.

Table of contents translated:
Zotova, L., Bazanova, V. - Material stimulation and large-scale planned assignments. p. 1.
Pekarskii, L. - Incentive funds of enterprises and profit. p. 8.
Kovalev, L. - Improve the system of issuing bonuses to enterprises in accordance with the results of socialist competition. p. 15.
Konson, A. - Improve the planning of technological progress. p. 20.
Gogoberidze, A., Ivanov, G. - Adaptation fund and prices for new machinery. p. 26.
Kushelev, S. - Role of the technical organization plan in reducing costs. p. 33.
Semenov, A. - Using the index of standard manufacturing costs. p. 36.
Ivanov, V. - Organization of the supply of materials and equipment in economic regions. p. 41.
Agre, A. - Savings potentials in the warehouse supply of the national economy. p. 45.
Shifrin, G., Ignatenko, K., Sirota, S. - Improve the production and sale of spare parts. p. 50.
Emel'ianov, A. - Business accounting by individual production units and supplementary wages on collective farms. p. 54.
Ratgauz, M. - Improve the planning of agricultural production costs. p. 61.
Bagota, Bela - Practice in using material incentives in the Hungarian industry. p. 66.
Nochevkina, L. - Structure of material expenditures in the machinery manufacturing of the U.S.A. p. 72.
Malinov, A. - Shorten the time required to fill orders. p. 79.
Ratner, I. - Composition of the turnover of goods in the supply of materials and equipment. p. 79.
Morozov, V. - Important problems of agriculture. p. 82.
Batkaev, R. - The theory and practice of wages during the building of communism. p. 85.
Conference of the chemical workers of the Ukraine, the Baltic Sea region and Transcaucasia. p. 90.

REFERATIVNYI SBORNIK· EKONOMIKA PROMYSHLENNOSTI [JOURNAL OF ABSTRACTS, ECONOMICS OF INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, Oct. 1963.

UCHET I FINANSY V KOLKHOZAKH I SOVKHOZAKH [ACCOUNTING AND FINANCE ON COLLECTIVE AND STATE FARMS] Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.] Moscow, vol 20, no 7, July 1963.

Table of contents translated:
Editorial: Account fully for harvest production. p. 2.
Sidorenko, B.N. - The "Tomskiy" State Farm steps up its tempos. p. 4.
Kulikov, O.N., Lisovik, S.M. - Zootechnical accounting where loose housing for cows is in effect. p. 6.
Fofanov, B.I. - New technology and new accounting methods. p. 11.
Esbergenov, A.A. - See the results of every shepherd brigade. p. 12.
Obshchii, V.F. - Accounting in the comprehensive servicing of collective farm machinery. p. 13.
Novozhilova, E.D. - Concern over the harvest safety. p. 15.
TSipenko, A.N. - This is very important! p. 18.
Pishchuna, A.A. - Badly and not on time. p. 19.
Nikitin, I.A. - Different attitude toward accounting and different management results. p. 19.
Vorob'ev, V.IA. - What prevents the state farm from working profitably. p. 20.
Fiulin, I.V. - Communal housing and services should not be unprofitable. p. 23.
Ukhalov, N.V. - Business accounting on a state farm is the path working without loss. p. 25.
Sukhonosenko, N.D. - Analysis of the distribution of collective farm income. p. 26.
Vallit, V.I. - The state farm has become profitable. p. 30.
Shamkelov, I. - Sheep growing is a profitable branch of the collective farm. p. 33.
Shcherbanev, A.I. - Results of the lack of control. p. 35.
Chepin, V.V., Uzhvenko, M.F. - What do audits on state farms reveal. p. 37.
Debelyi, G.M. - Collective farmers participate in the control. p. 39.
Kostin, K.N. - Calculating the costs of mechanized work in the branches of the Farm Mechanization Agency "Sel'khozteknika." p. 41.
Bachurin, A.A. - Supply agriculture with calculating machines. p. 42.
Ivanov, F.G. - New textbook on agricultural finance. p. 44.
Grigor'ev, S.T. - Accountant, buy this book. p. 45.
Ready for publication. p. 46.
Brief news. p. 47.
Strizhev, A.N. - Talk with readers. p. 47.
Abdullaev, M. - Put business accounting on state farms at the center of attention. p. 48.

c FINANCE

DEN'GI I KREDIT [MONEY AND CREDIT]. Published by Gosudarstvennyi bank SSSR [U.S.S.R. State Bank]. Moscow, vol. 21, no. 9, Sep, 1963.

Table of contents translated:
Zotov, M. - Source of creative activity. p. 3.
Atlas, Z. - Laws of the socialist reorganization of the monetary system. p. 12.
Smirnov, N. - Ways to increase the role of money and credit. p. 23.
Blinchevskii, I. - Bank control over the delivery of goods by trade organizations. p. 31.
Kazalatov, M. - Why the wool factories of Bryansk Province don't make payments to the budget. p. 36.
Pleshakov, S. - For the further improvement of accounting and control. p. 40.
Increase bank influence on enterprises:
Fadeev, N. - Current problems of bank control. p. 47.
Kozbagarov, Zh. - Increase the material self-interest of enterprises. p. 53.
Zakharov, V. - Important problems of bank and enterprise operations. p. 55.
Melkozernova, M. - Supply branches with practical payment and receiving plans. p. 58.

Stratilatova, L. - Work of the urban administrations of State Bank offices. p. 60
Mechanization of accounting and calculating work. Conference-seminar of the chief accountants of State Bank branches. p. 62.
Rak, V. - Machine accounting centers' service to the out of town State Bank branches. p. 68
Kasicheva, V. - We are simplifying the preparation of branch schedules. p. 70
Kodrian, I. - Calculating percentages on the "Optimatik" machines. p. 72
Ikalia, A. - Issuing advances to fattening centers attached to sugar plants. p. 73.
Zholobov, V. - Foreign exchange and the financial condition of Brazil. p. 75.
Brief information on foreign exchange and banks abroad. p. 85.
Aizenberg, I. - "Money during the period of the building of communism" by P. M. Pavlov. p. 89.
In the Board of Directors of the State Bank of the U.S.S.R. p. 93
In the Board of Directors of the State Bank of the U.S.S.R. and the Presidium of the Central Committee of the Trade Union of Government Workers. p. 95

Vol. 21, no. 10, Oct. 1963

Table of contents translated
Barkovskii, N. - Credits for capital assets. p. 3
Pozdniakov, N. - Credit-payment service to production combines. p. 12
Problems of bank control
Arasianov, K. - Working capital and bank credit. p. 17
Domashenko, P. - In conflict with reality. p. 21.
Kuklinskii, I., Petrakina, F. - Improve control over the safety and utilization of working capital. p. 23.
Kanter, V. - Efficiency of credit for production mechanization and automation expenditures. p. 27
Consumer service industries
Moskhovich, M. - Increase the profitableness of service industry enterprises. p. 35.
Kamaev, A., TSap, S. - Problems of improving the consumer service industries. p. 39.
Bliznets, V. - Work of State Bank branches under the new conditions of agricultural administration. p. 43
Altytser, I. - Bank control over the production and financial planning on collective farms. p. 49
Ugliantsa, G., Artemenko, I. - From the practice of bank work with intercollective farm organizations. p. 52
Fleisher, S. - For a wider introduction of consolidated payments. p. 57
Panes, L. - Increase the bank influence on coal industry enterprises. p. 57
Lapaksin, V. - Issuing credit for the expansion and mechanization of trade and state delivery organizations. p. 63
Kazun, U. - Checking the credit security in trade. p. 65
Zinchenko, F. - Control the disbursement of money for state deliveries by consumers cooperatives. p. 68.
Use capital investment funds more efficiently. p. 69
Accounting and operating procedures. p. 75
Babyshev, L. - Long-term credit is a tool of state monopoly capitalism in Italy. p. 82
Brief information on foreign exchange and banks abroad. p. 90.
In the Board of Directors of the State Bank of the U.S.S.R. p. 94.
In the Foreign Trade Bank of the U.S.S.R. p. 95.

d. LABOR

OKHRANA TRUDA I SOTSIAL'NOE STRAKHOVANIE [PROTECTION OF LABOR AND SOCIAL INSURANCE]. Issued by Vsesoiuznyi TSentral'nyi Sovet Professional'nykh Soiuzov [All-Union Central Council of Trade Unions]. Moscow, vol. 6, no. 7, July 1963.

Table of contents translated.
Let's carry out the decision of the party! p. 1.
Karavaev, V. - First program of the Bolshevik Party on the social rights of workers. p. 2.
Putiaev, S. - In White Russia. p. 4.
In the factories and fields of Uzbekistan. p. 8
Brailov, A. - Raising the quality of production. p. 11.
On friendly terms with progress. p. 12
In sunny Turkmenistan. p. 15.
Zolotarev, B. - First in the land. p. 16.
Soviet Kirghizistan. p. 18.
Malykh, A. - Let's spend industrial hygiene funds in the right way. p. 21.
Zelinskii, I. - I fully agree. p. 22.
Efremenko, E. - Let's put the work clothes industry under public control. p. 23.
Let's disseminate the practice of the Donets Basin everywhere. p. 24.
Efremova, N. - Ways of vacation assignments. p. 29.
"Sickness" of some sanatoriums. p. 32.
Bochko, L. - Technical control division acts in an amateur way. p. 34.
Mironov, M. - "Sickly" young man. p. 35.
Kasilov, Sergei. - Rhythm is a powerful feeling. p. 36
Romashkina, A. - They have to live up to their rank. p. 40.
Technical information. p. 41
Prevention of accidents is the reason for their investigation. p. 43
Korotkov, V. - Transfer to another job. p. 45

Vol. 6, no. 8, Aug. 1963.

Table of contents translated
Twelfth Plenum of the All-Union Central Council of Trade Unions. p. 1.
Bursanovskii, S. - Bastion of communism. p. 3.
Kerre, R. - In fraternal cooperation. p. 7.
In the struggle for industrial hygiene. p. 11.
Khmelova, V. - Along the path of happiness. p. 14.
Let's raise the industrial safety service to the level of new tasks. p. 17.
Savel'ev, L. - Man is surrounded by attention. p. 20.
Kiselenko, I. - Mutual control in operation. p. 22.
Domogatskaia, E. - They are not afraid of trouble. p. 25.
Navarenko, A. - Our work. p. 26.
Eremenko, A., Kolesnikov, P. - Soul of the brigade. p. 27.
Golubeva, A. - Protect yourself from brucellosis infection. p. 28.
Kotliarov, E. - Make way for progress. p. 32.
Belykh, G. - We study the practice of the best. p. 32.
Meeting in the editor's office. p. 33.
Serliakov, I., Kruglov, L. - Heave, ho! p. 36.
Klarov, IU. - What Jules Verne did not write about.... p. 38.
Work of a factory committee on industrial safety. p. 40.
Technical information. p. 41.
Kuchinskii, IUrgen, TSumpe, Lotta - Labor laws and the exploitation of workers in capitalist countries. p. 45.

Vol. 6, no. 9, Sep. 1963.

Table of contents translated
National task. p. 1.
In Soviet Georgia. p. 3.
Gogoberidze, V. - Man is at the center of attention. p. 4.
Zolotov, B. - The only one in the world. p. 6.
Arabelian, S. - Decades of travel accomplished in a few years. pp. 8, 12.
Across Armenia with a camera. p. 10.
Dadashev, K.K. - Public initiative is expanding. p. 12.
Mustafaev, I. - Good assistants. p. 15.
Savel'ev, L. - Garden republic. p. 16.
Training of volunteer correspondents. p. 19.
Vinogradov, K. - Conditions of work in the chemical industry. p. 20.
Makarovskaia, IA. - Great responsibility. p. 22
Makhnushkin, N. - Sixty enterprises of the capital work without accidents. p. 24.
Gusev, G. - This also concerns us, administrators. p. 25.
If you work standing... p. 26.
Ostrovskii, L. - Taking into account special aspects of agriculture. p. 29.
Georgiev, D. - Preparations for the winter season. p. 33.
Rodnov, V. - Air, ventilation and health. p. 34
Mikhailov, IU. - Facts and advertising. p. 35.
Liguladze, B. - It is a long story. p. 36.
Zhilrov, V. - Checking the fulfillment of estimates. p. 38.
Technical information. p. 39.
Editor's mail. p. 40.
Skobelkin, V. - Procedure for bringing a damage suit against a defendant who caused an industrial accident. p. 43.
Make way for light! p. 46.
Brief notes. p. 47.

SOTSIALISTICHESKII TRUD [SOCIALIST LABOR]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po voprosam truda i zarabotnoi platy [State Committee of the Council of Ministers of the U.S.S.R. on Labor and Wage Problems]. Moscow, vol. 8, no. 7, July 1963.

Table of contents translated:
Editorial - Labor is the basis of training the new man. p. 3.
Leonov, I. - Relay of work valor. p. 13.
Dybenko, N. - Utilize more fully potentials for increasing labor productivity. p. 22.
Kiselev, I. - Modern bourgeois legal theories of labor. p. 30.
Introduce progressive practice in labor organization. p. 40.
Razumov, N. - Specialization is an important condition for the economy of communal labor. p. 71.
Korobov, M. - First steps toward model production administration. p. 79.
Zelikson, M. - Eliminate shortcomings in establishing work norms efficiently. p. 85
Kuzin, M. - Improve and reduce the cost of the administrative apparatus. p. 90
Belkin, M. - Discussing the White Russian experiment. p. 100
Novoselov, V. - Calculating the index of the labor intensity of machinery manufacturing. p. 105
Shchiklin, I. - Establishing norms for the small-lot designers. p. 113
Ippolitov, K. - New development in bonuses to workers to lumbering industry workers. p. 120
Naumenko, M., Delektorskii, M. - For the efficient utilization of wage systems in the chemical industry. p. 127
From the editor's mail. p. 131
Follow-up of unpublished letters. p. 132
Shelmastin, N. - Material stimulation of the use of future of new articles. p. 133.
Galitskii, L., Nelin, P. - Procedure for issuing bonuses to workers. p. 139.
In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the All-Union Central Council of Trade Unions. p. 144
Rappal, V. - In the Committee of Experts on Questions of Work of Fishermen of the International Labor Office. p. 145.
Survey of labor legislation. p. 147.
Chukhno, A. - Study of communist labor problems. p. 149.
Aviev, R. - Everything for the man and his welfare. p. 151.
Zakharov, B., Konstantinov, IU. - For a deeper interpretation of problems connected with the administration of an enterprise. p. 156.

Vol. 8, no. 9, Sep. 1963.

Table of contents translated
Chernyshev, P. - On the duty and honor of the Soviet engineer. p. 3.
Vialkin, A. - Standardization and unification are the important conditions for the economy of communal labor. p. 12.
Prudenskii, G. - Uniform system of the analysis of potentials for increasing labor productivity. p. 20
Zeltyn', M. - Attack of British monopolies on the workers' wages. p. 31.
Andrianov, I. - An hourly-bonus wage system in experimental production. p. 39.
Garetovskii, N. - Group incentive funds of enterprises in the national economy. p. 47.
Muravchik, M. - Business accounting in shop teams. p. 55
Nekrasova, O., Konakat'ev, B., Malakhov, A. - Utilize more fully the advantages of the new system on state farms. p. 62.
Soich, O. - Specialization in the economy for efficient labor organization. p. 70.
Kozlov, P. - Control over the utilization of working time. p. 76.
Semenova, O. - Reducing night shift results in higher labor productivity. p. 81.
Mogutnov, M., Karaaev, S. - The new schedule is totally justified itself. p. 85.
Chuchkalov, A., and others. - Creative initiative of the masses and the establishment of norms. p. 87.
Charykov, N. - Establishment of technical norms should be the basis of planning. p. 98
Garnits, S., Burov, A. - Improve norms for the number of auxiliary workers. p. 102.
Musin, M. - Accounting for reducing labor expenditure in an enterprise. p. 107.
Sigov, I. - Overcoming essential differences between industrial and agricultural labor in the U.S.S.R. p. 111.
Grazinov, V. - Issuing bonuses to engineering and technical workers and employees in several European socialist countries. p. 122
Kupczyk-Lewin, I. - Color scheme in the industry of the Polish People's Republic. p. 130.
Follow-up of our materials. p. 132.
Vasil'ev, IU. - Holding of several posts by medical workers. p. 133.
Chudakov, A. - Wages for workers in the enterprises and organizations of the grain trade system. p. 139.
Replies to our readers. p. 143.
In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the All-Union Central Council of Trade Unions. p. 145.
Kalinina, N. - The Fourth All-Union Conference on Labor Physiology. p. 147.
Varshavskii, K., Konopleva, V., Akhmeev, G. - Study of the problem of the transition to communism. p. 149.
Kraichik, L., Etinger, V. - Book on the beauty of creative work. p. 155.
New books. p. 156.

SOVETSKIE PROFSOIUZY [SOVIET TRADE UNIONS].
Issued by Vsesoiuznyi TSentral'nyi Sovet Professional'nykh Soiuzov [All-Union Central Council of Trade Unions]. Moscow, vol. 19, no. 16(274), Aug. 1963.

Table of contents translated:

Nikolaeva, T - Education of man is our most important task. p. 1.
Prutytskii, S - Public control is an effective control. p. 4
Gasanova, Z. - Design, production and life. p 7.
Naumov, S. - Stepson. p. 9.
Sarbaev, N., Machkasov, N - According to the law and prompted by the conscience. p. 10.
Titarenko, V. - Volunteer inspector's day. p. 12.
Falatov, IU - Martia Khil'chenko did not go into the field... p. 14.
Makarov, S - "Thank you for not forgetting us ." p 16.
Orkin, G - This is good! p. 18.
Zheleznova, L - Case No. 2-343. p 19
Kommisarova, M. - Volunteer aids. p. 20.
Kudriavtseva, G. - Valentina Tereshkova is a daughter of the working class. p. 24.
Dedova, V. - If everyone of us... p 27.
Sargin, A - The trade-union committee is the organizer of competition. p. 29.
Molylev, A. - Communal property. p 32.
Koreshkov, D - The collective is your family. p. 35.
Readers relate, advise and criticize. p 38.
Pavlova, S. - John Reed, the bard of revolution p. 40
Simonenko, G - Reduce morbidity and industrial accidents. p. 42.
Replies to our readers. p. 44
[Amendel'd, G. - Notes on books p. 46.
Grishina, V. - Take care of your eyes. p 47.

SEMIRNOE PROFSOIUZNOE DVIZHENIE [WORLD TRADE-UNION MOVEMENT] Organ of Vsemirnaia federatsiia profsoiuzov [World Federation of Trade Unions]. Moscow, no 7/8, July-Aug 1963

Table of contents translated

Zakaria, Ibrahim. - There is a need for united actions. p. 1.
Mohamed, E. - Persecution of trade unions in the Sudan. p. 3.
Venegas, Ventura Puentes. - On the path toward the unity of the trade-union movement. p. 5.
For the freedom of the people of South Korea, declaration of the W. F. T. U p 8.
Ryoo Hai Rung - Remove American imperialists' troops from South Korea! p. 9.
Padilla, Luis - The First Trade-Union Conference of Brazilian Women Workers. p. 12.
Setiati Strasto - Indonesian women struggle for their rights. p. 14.
Voice of the W. F. T. U. at the World Congress of Women. p. 17.
Garsten, Tina. - Trip abroad. p. 19.
No! None! Nothing, letter from Southern Rhodesia. p. 21.
Angela Grimau speaks. What is being plotted against Ramon Ormazabal? p. 24.
Tellicz, R. - Under the banner of hope and belief in the future. p. 25.
Budzynski, Leonard. - Results and prospects. p. 30.
Valentinov, Oleg - The Fifth Congress of the Trade Unions of Czechoslovakia. p. 35.
Boye, Maurice. - In the effort for trade-union unity. p. 38.
Chaterjee, Satish. - In defense of transportation workers' vital interests. p. 40.
Saillant, Louis - Operations of the International Labor Organization should correspond to the realities of the present day. p. 42.
Saillant, Louis - The W. F. T. U. challenges the credentials of the South African workers' delegate. p. 45.
The World Federation of Trade Unions greet Soviet astronauts. p. 46.
Against racial discrimination in the U. S. A. p. 46.
New repressive measures in South Africa. p. 47.
For the recall of the Franco government delegation from the International Labor Organization Conference. p. 48.

No. 9, Sep. 1963.

Table of contents translated:

Editorial: Saillant, Louis - International tribune of the working women. p. 1.
Dyer, John - Unemployment is the number one problem in the U. S. A. p. 3.
Hoffman, Joachim - More on the significance of the strike of the West German metalworkers. p. 10.
Martel, Henri - Instructive practice. p. 14.
Alves, Joao - Portugal, its present and future. The Salazar regime and the national interests in the country. p. 17.
Tran Hoai Nam - Main tasks of the workers of South Vietnam. p. 21.
Mabida, Moses, Sen, Mahendra - Trip through Soviet Asia. p. 24.
Munteanu, Larisa. - Active force. p. 26.
We want to participate in the promotion of a lasting peace. p. 29.
Soviet women, collected photographs. p. 30.
Saillant, Louis - Democratic trade-union rights are a vital question p. 32.
Chiebouu, Edwin - International workers' movement is on the upsurge. p. 35.
Set Jose Satue Malo free. p. 40.
In support of SOHYO. p. 40.

e. SOCIOLOGY

AZĔRBAĬCHAN GADYNY [AZERBAIJAN WOMAN]. Issued by TSentral'nyi Komitet Kommunisticheskoi Partii Azerbaidzhana [Central Committee of the Communist Party of Azerbaijan]. Baku, nos. 9-10, Sep. -Oct. 1963. [In Azerbaijani]

KAZACHʹIA ZHIZNʹ [COSSACK LIFE]. Issued by Vtoroi otdel Kazach'e-amerikanskogo natsionalnogo soiuza [Second Division of the Cossack American National Alliance, Inc.]. Providence, R. I., vol. 11, no. 123, May 1963.

KAZAKSTAN ĔIELDERI [KAZAKHSTAN WOMAN]. Alma-Ata, no. 9, Sep. 1963. [In Kazakh]

KYRGYZSTAN AIALDARY [KIRGHIZISTAN WOMAN]. Frunze, vol. 13, no. 9(113), Sep. 1963. [In Kirghiz]

NOUKOGUDE NAINE [SOVIET WOMAN]. Issued by EKP Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, nos. 10-11, Oct. - Nov. 1963. [In Estonian]

PADOMJU LATVIJAS SIEVIETE [WOMAN OF SOVIET LATVIA]. Issued by Latvijas Komunistiskas partijas Centrala Komiteja [Central Committee of the Communist Party of Latvia]. Riga, no. 10(134), Oct. 1963. [In Latvian]

RADIANSʹKA ZHINKA [SOVIET WOMAN]. Issued by Ukrains'ka respublikans'ka rada profesiinykh spilok and Spilka radians'kykh pys'mennykiv Ukrainy [Ukrainian Republic Council of Trade Unions and the Association of Soviet Writers of the Ukraine]. Kiev, vol. 18, no. 10(214), Oct. 1963.

SMENA [THE YOUNGER GENERATION]. Organ of TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 40, no. 14, July 1963.

Table of contents translated:

Always and in everything hand in hand with Lenin and the party. p. 1.
Vladimirov, I. - Chemistry of the Communist Youth League. p. 3.
Lupalo, I. - V. I. Lenin, published in 1894.... p. 6.
Diary of astronaut K. p. 8.
Fridman, A. - I am ready for a conflict. p. 11.
Prokopenko, V. - Lines from the heart. p. 14.
Tamarin, V. - "Militianos" are at their posts again. p. 18.
Konstantinov, F. V., Kolyshkin, I. A., Potelin, A - Let the ocean heave its waves.... p. 24.
Rudin, N. - World through the eyes of the young. p. 26.
Semenov, B. - People in flames. p. 28.
Glan, I. - Good luck "KSN" [Club of scientific cooperation]. p. 30.

Vol. 40, no. 15, Aug. 1963.

Table of contents translated:

Danilova, E. - Rank and file of our time. p. 2.
Shugaev, V. - There is still time to begin anew.... p. 3.
Evgen'ev, V. - They are on familiar terms with the sky. p. 4.
Rodionov, F. - "There" or we? p. 67.
Sakk, V. - Time of general tourism. p. 8.
Shevchenko, V. - Rapids on the river of friendship. p. 12.
Nikolaev, A. - Hearty participation. p. 14.
"And today in Baku...." p. 16.
Krakhmal'nikova, Z. - Exotics and work. p. 16.
Skorokhodov, Viktor. - End of the "Blue Danube." p. 24.
Semenov, Boris. - Atoms close the ranks. p. 26.
Wings of sport. p. 27.
Zil'berbort, A. - With the emblem. p. 28.
Elenskii, G. - Surprises will be there! p. 29.
Dairedzhiev, V. - Baptism of fire. p. 30.

Vol. 40, no. 16, Aug. 1963.

Table of contents translated:

Tret'iakov, V. - I am looking for Strechen'. p. 1.
Sakk, Viktor. - Where the giants are born. p. 2.
Limonov, N. - Virgin lands, people and grain. p. 6.
Lapin, B. - Diary; a story. p. 8.
Efremov, Aleksandr. - Pattern of a miracle. p. 10.
Levashov, Viktor. - "Chief engineer is needed...." p. 12.
Second birth of a stone. p. 13.
Anteos, Petros. - To an unknown friend. p. 11.
Geideko, V. - It is time for maturity. p. 18.
Martynov, Georgii. - Gianeia p. 21.
Viktorov, E. - Summer snow. p. 24.
Gorianov, Leonid. - Champion and a son of a champion. p. 26.
Dormidontov, R., Isaeva, N. - Moscow, Zvenigorod, and everywhere else.. . p. 28.
Sukharev, Dmitrii. - "Rival" No. 1. p. 30.

Vol. 40, no. 18, Sep. 1963.

Table of contents translated

Zhil'tsov, V. - You are the host of your celebration. p 2 of cover
Gordeeva, Valeriia. - "Granitas," solution of all riddles. p. 3.
Artiukhants, G, Novoselov, M - Tale about Ivan Turkenich. p. 6.
Levashov, Viktor. - Two mouthfuls of a desert. p. 8.
Your periodical, member of the Communist Youth League! p 11
Aleksandrova, N. - Sunday of a soldier p. 12.
Fridman, A. - With a break for dinner p. 14.
Vladimirov, V. - They remember, when the bells of Vologovo grew silent. p. 18.
Riabikin, B. - Energy streams through the air. p. 20.
Gordon, Robin, Irving, Mike. - Two confessions. p 21.
Martynov, Georgii. - Gianeia. p 22
Mosaic of Spartakiadas. p 24.
Vasil'ev, V., Lipskerov, G. - Visiting with mirror carp. p. 26.
Belianchikov, N. - "Great-great-grandmother" of Tereshkova. p. 30
Short notes on interesting things. p. 32.

SOVETSKAIA ZHENSHCHINA [SOVIET WOMAN]. Organ of Komitet sovetskikh zhenshchin and Vsesoiuznyi TSentral'nyi Sovet Professional'nykh Soiuzov [Committee of Soviet Women and the All-Union Central Council of Trade Unions]. Moscow, vol. 19, no. 11, 1963.

SOVETSKII KRASNYI KREST [SOVIET RED CROSS]. Organ of Ispolnitel'nyi komitet Soiuza obshchestv Krasnogo kresta i Krasnogo polumesiatsa SSSR [Executive Committee of the Association of Societies of the Red Cross and Red Crescent of the U. S. S. R.]. Moscow, vol. 13, no. 2(68), Mar. - Apr. 1963.

Table of contents translated:

Miterev, G. A. - Let's serve the people. p. 4.
Nikolaeva, T. A. - Community is a great power. p. 7.
Pokhvatin, V. - It will be carried out. p. 8.
Safronova, A. - That is his disposition. p. 10.
Kuz'minetskii, V. - Listen to your conscience. p. 12.
Sergeeva, N. - Those who love people. p. 13.
Strekach, S. - Old Spasha marches into the tomorrow. p. 14.
Drobchak, G. - They are from the 13th auditorium. p. 15.
Klimenkova, V. - As if they are members of the same family. p. 17.
In Z. P. Solov'ev's home town. p. 19.
Parin, V. V. - Man makes space livable. p. 20.
Tolchan, IA. - Vovka Gulaev is alive! p. 22.
Karbovskaia, V. - This is what being in love means means.... p. 24.
Vetrov, M. S - In the land of the "sunburned". p. 26.
Kuzin, E. - Youth strengthens friendship. p. 28.
Karpov, N. - Two fates. p. 30.

719 - 838 O - 64 - 4

Daoud, Mary - Dreams and reality of Iraq, the country of "The Arabian Nights" p 21
Krudy, Gyula - The charm of the Hungarian carnival p.25.
Zorkaia, Neia - Sergei Eisenstein p 26
Bagramova, Nina - They are our future, the World Forum of Women p 29
Please give me three meters of. . p 32.
Fashions and national costumes Norway and Italy p 34
Our contest photo p 35

ZMENA [THE YOUNGER GENERATION]. Issued by TSentral'nyi Komitet Leninskoho komunistychnoho soiuzu molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin] Kiev, no.10(127), Oct, 1963.

6. POLITICAL SCIENCE

AGITATOR [AGITATOR]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, no. 20, Oct. 1963.

Table of contents translated:

Editorial A matter concerning the whole nation p.3.
Fedorov, V. - Chemical industries are receiving a state-wide scope. p 6
Ogurtsov, S. - Peaceful coexistence and the class struggle p 11.
Sustretsov, S - My answer to the slanderers p 15
Great advantage. p.18
By joint effort. p.19.
The flaming hearts of the members of the Communist Youth League, 45th anniversary of the Communist Youth League. p 20.
Eterevskii, V - Right-wing men of the all-Union shock workers p.24
Filipchenko, IA - The ringing words of the posters p.28
Kozlov, M - Equipment must be ready in time! p.32
Gogin, V., Vedernikov, V - Persistence, creative approach p.36
Petukh, I., Klimenko, I. - Our reliable helpers. p.40
Smiagin, I. - Mineral fertilizers and crops. p.43
Fialkov, IU - Hidden potentialities in the chemical industry p 46.
Filiutovich, P. - The giant near Volzhsk City. p.50.
Grarov, V. - Unmasking the lies of bourgeois propaganda p 53.
The Federal Republic of Nigeria Gambia Malaysia. p.56
Solov'ev, V - Valuable initiative p.59.
Akhmetzhanov, G. - I shall return to my home state farm p 60.
Tel'nov, A. - A factory council of innovators. p.60
Rabets, E. - The fate of Raisa worries me p.61.
Poshemanskii, IU., Pepin, IU. - Large-scale chemistry on the screen. p 62.

ASHKHABAD. INSTITUT ISTORII PARTII. Trudy [INSTITUTE OF THE HISTORY OF THE PARTY. Transactions], No.2, 1956. K piatidesiatiletiiu pervoi russkoi revoliutsii, 1905-1907 gg. [The 50th anniversary of the first Russian revolution, 1905-1907].

Table of contents translated:

Shikhmuradov, O. O. - The Revolution of 1905-1907 was the first uprising of the masses in the epoch of imperialism. p.5,
Rosliakov, A.A. - Bolsheviks of Turkmenistan during the Revolution of 1905-1907, p.18.
Kuznetsov, IU.S. - Early phase of the intensification of the revolutionary movement in Turkmenistan, January-May 1905. p.40.
Krevskikh, E.G. - Establishment of the first soviets in Turkmenistan in 1905-1907. p.51.
Mel'kumov, V.G. - Mass political strikes in Turkmenistan in the autumn of 1905, p.65.
Rosliakov, A.A. - Underground Social Democratic literature in Turkmenistan in 1905-1907. p.85.
Chronicle of political events during the Revolution of 1905 in Turkmenistan. p.107.
Bibliography. p.123.

of Soiuz bor'by za
nion of the Struggle
of Russia], Munich,

OF ESTONIA]. Issued
tei Keskkomitee
unist Party of
0-11, Oct.-Nov.

NIST OF KAZAKH-
Party of Kazakh-
Oct, 1963. [In

KOMMUNIST [COMMUNIST]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Litvy [Central Committee of the Communist Party of Lithuania]. Vilnius, vol.46, nos.8(470), 10(472), Aug., Oct. 1963.

KOMMUNIST [COMMUNIST]. Organ of the Central Committee of the Communist Party of Kirghizia. Frunze, vol.37, no.10, Oct. 1963. [In Kirghiz]

KOMMUNIST BELORUSSII [COMMUNIST OF WHITE RUSSIA]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Belorussii [Central Committee of the Communist Party of White Russia]. Minsk, vol.37, no.8, Aug. 1963.

Table of contents translated:

Mazurov, K.T - New phase in the ideological work of the party p.3.
The CPSU is the standard-bearer of communism. p 18.
Let us improve the style and methods of party work. p.24.
A prerequisite for the building of the new society. p.29
Malinin, S. - Some problems concerning the economic development of our republic. p.34.
Chechet, N - We advise to study the exemplary methods of our best workers. p.41.
Shitov, N - We have raised the cultural level and technical qualifications of rural toilers. p.46.
Platonov, R - For an effective and well-planned propaganda of atheism p.52.
Poskrebyshev, P. - "I still cannot agree with you. . ." p.58.
Demidenko, M - We shouldn't forget our readers. p.59.
Laptenok, S. - Soviet family. p.60.
In the notebooks of propagandists. p.63.
Dubravin, IA. - Good start. p.67.
Meleshko, V., Rozenshein, D - A book on the glorious history of the revolutionary struggle. p.73.
Dates, events, and people. p 77.
Follow-up of articles published in our periodical. p.80.

KOMMUNIST MOLDAVII [COMMUNIST OF MOLDAVIA]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Moldavii [Central Committee of the Communist Party of Moldavia]. Kishinev, vol.8, no.3, Mar. 1963.

Table of contents translated

Editorial For lively and efficient guidance. p.3.
Paukova, V. - From the history of the international ties of the "Liberation of Labor" group. p.9.
Ivanov, P. - Utilization of slopes for vineyards. p.19.
Fedotova, R., and others. - Perfecting the planning method. p.28.
Kozhokar', N.P., Balan, G. - Our "secrets" in growing corn without manual labor. p.34.
Communism is created by the work of millions. Let us learn to work and live the communist way (methodological advice). p.39.
Petrov, N. - The basic objective of the U.S.S.R. economic policy. p.50.
Bushko-Zhuk, M. - Cybernetics, calculating machines and their use. p.57.
Zhilko, V. - Educators of collectives. p.63.
Mirkind, A. - "Countries of Latin America in international relations, 1898-1962" by N.V. Korolev. p 68.
Funika, D. - Scientists' contribution to production. p.70.
New books on the history of the CPSU. p.75.
Party news. p.78.

KOMMUNIST SOVETSKOI LATVII [COMMUNIST OF SOVIET LATVIA]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Latvii [Central Committee of the Communist Party of Latvia]. Riga, vol.19, nos.10-11, Oct.-Nov. 1963.

KOMMUNISTI TOCHIKISTON [COMMUNIST OF TAJIKISTAN]. Issued by the Central Committee of the Communist Party of Tajikistan. Dushanbe, vol.28, nos.9-10, Sep.-Oct. 1963. [In Tajik]

KOMUNIST UKRAINY [COMMUNIST OF THE UKRAINE]. Issued by TSentral'nyi Komitet Komunistychnoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol.39, no.10, Oct. 1963. [In Ukrainian]

LENINIAN UGIOV [LENIN'S WAY]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Armenii [Central Committee of the Communist Party of Armenia]. Erivan, vol.42, nos.7,10, July, Oct. 1963. [In Armenian]

MEZHDUNARODNAIA ZHIZN' [INTERNATIONAL LIFE]. Published by Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii [All-Union Society for the Dissemination of Political and Scientific Knowledge]. Moscow, vol.10, no.9, Sep. 1963

Table of contents translated:

N.S Khrushchev's answers to the representatives of the Association of Editors and Publishers of Japan p.3.
Ermonskii, A., Mel'nikov, D., Talenskii, N. - The main problem of the 20th century p 10.
Alekseev, A. - Tasks and prospects of the Mutual Economic Assistance Council. p.21.
Sovetov, A. - The "strategy of peace" and the Atlantic community " p.30.
Bagramov, E. - The ideological poverty of American capitalism. p 40.
Kanapa, Jean - France: Militarization of the economy and politics p.49.
Salimov, Amin - Causes and results of the Coup d'Etat in Iraq. p.59.
Dobias, F., Koutek, J., Maryan, M. - Hanoi militarists are opponents of a peaceful settlement. p.69.
Ivanov, E. - Colonialist military bases in Africa. p.78.
Schick, F.B. - Cuba and international law. p.85.
Lessons of the Moscow negotiations. By a commentator. p.95.
Liubimov, N.N., Erlikh, A.N. - The 1922 Genoa conference (to be continued). p. 100.
Mashkin, V. - Strength of the revolutionary idea. p.107.
Kuznetsov, N. - Counterattack of the monopolists p.108.
Demidov, V. - The second raw material base. p.109
V.S. - Afro-Malagasy Union and Addis Ababa. p.111
Mikuson, I - Where is the way out? p 111.
Ettinger, IA. - A new agreement with an old aim. p.112.
Kocherglu, O. - Dangerous "trifles" of the British colonizers p.113
Novosel'tsev, E - Acceleration of military preparations. p.114.
Korovin, E.A. - Transform space into a zone of lasting peace. p.116.
Zikmund, M., Hanzelka, J. - In the Near East. p.117
Berlioz, J. - U.S.A. and the "change of guard" in Europe. p.127.
Orekhov, F. - History does not obey them. p.131
Turgaev, V., Gerasimov, O. - The people of Aden break the fetters of slavery. p.136.
Nazarenko, I. - A serious scholarly research. p.139
Maksimov, I. - The "Peace" electric power system. p.142.
Telefus, A. - Economic cooperation of the German Democratic Republic with the countries of the socialist commonwealth. p.145.
Beneslavskii, D. - The revanchist refugee organizations in the German Federal Republic. p.146.
Pakhomov, N. - The Republic of South Africa. p.147.
Khalin, F. - Puppet regimes as a support of the United States in Asia; South Vietnam. p.149.
Ivanshchenko, P. - The Latin American Free Trade Association. p.150.
Goroshko, G. - "Jan Sangh" and "Swatantra," the reactionary political parties of India. p.151.
Consultations. p.152.
Medvedev, M. - Advice on methods. p.157.

Vol.10, no.10, Oct 1963

Table of contents translated

Starushenko, G. - The national liberation movement and the struggle for peace p 3.
Tunkin, G. - A nonaggression pact will be an important step toward relaxation of tension. p 11.
Marushkin, B. - U.S.A. policy in a changing world p.20.
Shaposhnichenko, P - Peaceful settlement or mutual "deterrence?" p.27.
Pechorkin, V - Theory and practice of the counter guerilla war. p 35.
Zilliacus, K. - NATO and the national independence of Great Britain. p.44
Make the most of the first success. By a commentator. p.51.
Perlo, V. - The uneasy "boom." p.56.
Kuz'minov, I. - The condition of the working class in capitalist countries. p.67.
Solodovnikov, A. - In various languages. p.77.
Polianov, N. - The dollar's ventures in Europe. p.86.
Koks, I. - Imperialist intrigues in British Guiana. p.94.
Liubimov, N., Erlikh, A. - The 1922 Genoa Conference. p.100.
Nemira, I. - Remember Playa Giron! p.109.
Agarkov, V. - Results of collective work. p.110
Serbin, IU., Avor'ianov, N - Governmental crisis. p 111.
Beneslavskii, D. - An example for all of Germany. p.112.
Koz'iakov, V. - New battles around foreign aid. p.113.

Ievleva, T. - The end of a myth. p. 114
Makarov, V. - Unsuccessful attack p 115
Borisova, K - "A model Congo " p 116
Umanskii, D. - Strauss appears again on the Bonn proscenium p 116.
Khalin, F - Convulsions of a doomed regime. p. 117.
Korablev, V. - The people approve. p. 118
Stepanov, A - History warns. p 120
Andreev, A - Risk for the sake of what? p. 123
Sheinin, IU - A defender of the bomb. p 125
Organis'tian, IU. - Myth and reality p. 128
Vladimirskii, P. - A study in diplomatic law. p. 131.
Maksimov, I. - The Mutual Economic Assistance Council and the problems of standardization. p. 133.
Kalinin, A. - Anglo-Soviet cooperation, partisans and opponents. p 134.
Military expansion of the U. S. A in the countries of Latin America. p. 138.
Klimov, A. - After the Addis-Ababa Conference. p 139.
IUvsov, IU , Gerasimov, O. - British protectorates in the Persian Gulf region. p. 141.
Uglov, A. - SEATO. p. 143
B. B - The SS today. p 145.
Consultations. p. 146.
Medvedev, M. - Methodical advice. p 148.
The struggle of the U. S. S. R. for collective security in Europe during the years 1933-1935.

MOLODOI KOMMUNIST [THE YOUNG COMMUNIST] Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no 6, June 1963.

Table of contents translated:
Akhunova, Tursunoi - Twenty-four years, is it too much or not enough? p 3.
Rodionov, P. - The party of builders of communism. p. 8.
Apresian, Z. - Freedom of artistic creation and the artist's responsibility. p. 16.
El'iashev, Ed. - "Coefficient of efficiency" of our work. p. 25.
Mitrofanov, Lev - Upholding man. p. 31.
Mukhina, A. - The problems of growth. p. 36.
Titarenko, V. - Science should follow the communist path, too. p. 41.
Raspevin, K. - The story about a pennant. p. 49.
Il'in, V. - Rebirth of a plant. p. 53.
Selikhov, K. - The youth of Kara Kum. p. 59.
Korneshov, L. - Entering life. p. 61.
Politov, Z. - Secretary of an underground regional committee. p. 70.
Losokhin, IU. - One of the first. p. 76.
Razorenova, A. - Your party comrade. p. 82.
Kulbysheva, G. - The man with a warm heart. p. 84.
Gladkovskii, O. - The repaid advance payment. p. 67.
Gogolev, V. - The struggle for millions. p. 93.
Rozanova, E. - Continuing the "overscrupulous" discussion. p. 96.
Novák, György - The Danube Cement Combine is operating! p. 103.
Lomeiko, V. - The lot of women in the country of the "economic miracle," p. 106.
Rakovskii, F. - Fifty dollars for a pound of live weight. p. 110.
Tolstoi, Vl. - Monuments of the epoch, the Leninist plan of "monumental propaganda," p. 114.
Petrov, Anatolii - A word about those born in the 20th century. p. 123.

NASH PUT', OUR PATHWAY. Bridgeport, Conn., nos. 1-3, Jan. -June 1963.

NOVOE VREMIA [NEW TIMES]. Moscow, vol. 21, no. 37(955), Sep. 1963.

Table of contents translated.
Editorial: The new and the old. p. 1.
Sovremennik. - A philosophy of adventurism and fatalism. p. 3.
Our commentaries. p. 5.
Zholkver, A. - The seven points of the German Democratic Republic. p. 6.
Mosino, William. - A letter from a reader in Uruguay. p. 8.
Landa, R. - Development of the revolution in Algeria. p. 9.
Against misinterpretation and slander: To the wrong address. p. 11.
Plotnikov, IU. - Instability in Turkey. p. 12.
People and events: Ali Sastroamidjojo, Frederick James Erroll. p. 15.
Carlos, Barnardo. - The people and the regime; correspondence on the situation in Franco's Spain. p. 16.
Beliaev, K. - Defeat of the right at the British Trades Union Congress. p. 18.
Andronov, I. - Changes in the government of India; answering readers' questions. p. 19.
Mikhailov, V. - Light and shadow. p. 21.
International notes. p. 22.
Zotova, IU. - In Uganda; travel impressions. p. 24.
O'Connor, Patrick. - Readers' comments: Ireland is changing for the better. p. 27.
Manners of the "free world": "Cosa nostra." p 29.
Rubinstein, M - "Economic aspects of disarmament " p 30.
Brief news on international events p. 32

Vol 21, no. 38(956), Sep 1963.

Table of contents translated:
Our commentaries. p. 1.
Klisovitis, Kapsalis. - About the unvanquished. p. 3.
People and events: Ahmad Ben Bella, Leopold Boissier, Araujo Castro. pp 5, 15.
Naumovich, F.S., and others. - Open letter to the Mayor of Lyons. p 6.
Sotnikov, I - For the 101st time. p. 7.
Mirskii, Z. - Bulgarian experience and Peking theories. p. 8
Our readers' opinions of China's policy p. 10.
Davenport, H. - International seminar on labor supply, interview p. 11.
Katin, V. - A year of great changes in Yemen. p. 12.
Zh U - Crimes of American racialists. p. 14.
Michal, Vladimir. - The cities of Southern Bohemia. p 16.
IUrenev, R - A motion picture on the destiny of a generation. p. 18.
Trofimova, I - An operation against the Mafia. p 20
International notes. p. 22.
Pavlenko, A. - In the footsteps of Villa and Zapata. p. 25.
Andronov, I - History of an industrial plant, economic notes. p. 30.
Rothstein, Andrew - Readers' comments In memory of Pat Coates. p. 31.
Brief news on international events. p. 32.

Vol. 21, no. 40(958), Oct, 1963.

Table of contents translated:
Our commentaries. p. 1.
Doering, Dieter - A balance sheet of peaceful work. p. 4.
Ermashev, I. - Another attack of nuclear fever. p. 6.
People and events. p. 8.
Edmund Pszczolkowski. p. 8.
Ali Sastroamidjojo on Indonesian problems. p. 9.
Nnoli, R. - Nigeria's big year. p. 11.
Serbin, IU. - A new change of Cabinet in Oslo. p. 12.
B.G. - Labor movement: 'Hands on the town," p. 13.
Raiskii, B., Shultke, H. - Summing up the results of the Amsterdam Congress. p. 14.
Velichanskii, L. - Negro organization in the United States; information. p. 16.
Sidenko, V. - The war in Portuguese Guinea. p. 18.
International notes. p. 20.
Borovskii, V. - In the volcano valley (to be continued). p. 22.
Shamilov, A. - Some data on the Kurds. p. 26.
V.B. - Profumo again. p. 28.
Gerasimov, G. - "Disarm or perish?"; a book review. p. 29.
Stoian Karadzhov. p. 30.
A.U. - Answers to readers' questions: The state of Tonga. p. 31.
Brief news on international events. p. 32.

Vol. 21, no. 42(960), Oct. 1963.

Table of contents translated:
Editorial. A year after. p. 1.
Our commentaries. p. 2.
L. I. Brezhnev in Afghanistan. p. 3.
People and events: Marian Spychalski, Shimavo Bandaranaike, Houari Boumedienne, Raul Prebish, Banja Te jan-Sie. pp. 4, 8, 23, 31.
Bovin, A. - The revolutionary process and peaceful coexistence. p. 5.
Schnittke, H. - Austria: Crisis of the coalition? p. 9.
V.B. - A dragon in Washington. p. 11.
Khazankin, K. - Significance of the test-ban treaty. p. 12.
Petrov, M. - Centenary of the Red Cross. p. 14.
Zayat, Mamdouh. - In Beirut...; a letter from Lebanon p. 15.
E.M. - "Chance of a snowball in hell. . ."
Bochkarev, IU. - When the truth hurts, agr information and slander. p. 19.
International notes. p. 21.
Zhilin, IU., Zagladin, V. - Visiting the Yu dustrial plants. p. 24.
Medvedev, Vl. - Some days in Kurdish can
Popov, IU. - Kwame Nkrumah's book on Af affairs; a book review. p. 29.
Brief notes on international events. p. 32.

PADOMJU LATVIJAS KOMUNISTS [COMMUN SOVIET LATVIA]. Issued by Latvijas Komu partijas Centrala Komiteja [Central Commu Communist Party of Latvia]. Riga, vol. 19, Oct, 1963. [In Latvian]

PARTIINAIA ZHIZN' [PARTY LIFE]. Issued tral'nyi Komitet Kommunisticheskoi partii skogo Soiuza [Central Committee of the Co Party of the Soviet Union]. Moscow, no. 1 1963.

Table of contents translated:
A striking victory of our country. p. 3.
Editorial: Sharpen ideological weapons cons p. 5.
Abyzov, V. - Better guidance for the construction industry. p. 12.
Vishniakov, A. - The communist is a fighter for new social relations. p. 19
Promoting progressive methods of harvesting. p. 27
Shevchuk, G. - Main direction. p. 30.
Khatiutin, M. - The plant works rhythmically. p. 35.
Bantia, B - The great gain. p. 38.
Kochkurov, A. - The force of communal work. p. 41.
Gorshkov, A., Galchenko, M. - Weekdays of a factory party organization. p 46.
Riabik, I. - Imaginary prosperity. p 50.
Anisimov, V., Ignatovskii, P., Kalugin, G - Communist labor in the countryside. p. 53
Tereshchenko, V - Developing the creativeness of the masses. p 60
Kozin, A. - A literary association as a school of mastery. p. 62
Sedlukha, N. - Propagandist in a dwelling. p. 65.
Colombi, Arturo. - A great victory. p. 66
School of party practice. p. 72.
Shebanov, V. - Militant helpers p. 74
Shestakov, K. - The activist group in radio broadcasting and television. p. 75.
Literature dedicated to the 60th anniversary of the second Congress of the Russian Social Democratic Party. p. 76.
Answers to our questions. p. 78.
Party news. p. 79.

No. 18, Sep. 1963

Table of contents translated:
Editorial: The source of the strength of Soviet trade unions. p. 3.
Aleksandrov, N. - Dictatorship of the proletariat and the all-people's state. p. 3.
Maksimov, P. - Soviet firms. p. 10.
Korytkov, N. - Specialization and the consolidation of weak farms. p. 24.
Russkikh, V. - New developments in the production planning of industrial plants. p. 31.
Our agriculture in the last ten years; figures and facts. p. 35.
Report and election meetings. p. 41.
Didenko, I., Semenov, P - When you are a communist.... p. 41.
Andrianov, L. - Intensive activity. p. 44.
Beliakov, A., Lazarev, M. - Councils of the secretaries of primary organizations. p. 46.
Fomenko, IA. - Such is the truth. p. 50.
D'iakonov, I. - Lively, concrete guidance. p. 54.
Ivan'kovich, N. - Political education is creative work. p. 57.
Tradkin, G. - Education of children is the order of the day. p. 63.
Baltasnikov, E. - The daily wall newspaper. p. 65.
Bugaev, E., Lomakin, N. - Visiting the Hungarian communists. p. 66.
Mezentsev, S. - V. I. Lenin's views on control. p. 73.
Rechmedin, L. - A discussion on the style and methods of party work. p. 76.
Answering unpublished letters. p. 79.
Party news. p. 79.

No. 19, Oct. 1963.

Table of contents translated.
Editorial: Party work is creative work. p. 3.
Titov, P. - Public participation in the work of the soviets. p. 9.
Grushetskii, I. - Problems concerning the organiza-

Po
Lei

pa

No 20, Oct 1963
Table of contents translated
Editorial Chemical plants should be brought into operation without delay p 3
Tabeev, F. - Economic instruction in industrial plants p 9
Leibzon, B - In the unenviable role of protectors of the personality cult p 16
Work of the party committee of the Slutsk Collective and State Farm Production Administration of the White Russian S S R p 24
Antonov, V - Rational utilization of the riches of the lower Volga Valley p 28
Borisov, L - Fixed assets must be used effectively. p 34
Popov, I - Solving fundamental problems p 39.
From recent mail
Kuptsov, V. - The real causes p 43.
Zverkov, B - Starting from the needs of the production p 44
Smirnenko, A - This is not the proper way of admitting new members to the party p 47
Ponasiuk, B - Care for the teacher p 50
Pupeta, A - Do we act correctly? p 53.
Our discussions
Mikirov, F - Simplicity and modesty p 54
Zhilin, P - Rural soviets and cultural work p 60.
Zverev, V., Elizarenko, S - Voluntary distributors of printed matter. p 63
Letters and comments
Participation of party members in the socialist labor movement. p. 66
Duclos, Jacques - The struggle for peace and the international communist and workers' movement. p 68
"Workers" pages in newspapers p 74
Recent publications p 77
"The demands of life" "Imaginary prosperity." "The art to see far" Answers to unpublished letters p 78
Party news p 79

POLITICHESKOE SAMOOBRAZOVANIE [POLITICAL SELF-EDUCATION]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 7, no. 10, Oct, 1963.
Table of contents translated
Rudonov, P. - The CPSU is the political and ideological leader of the Soviet people. p. 3
Chesnokov, D - Some features of present-day leftist opportunism. p 13.
Maidnik, K., Kholodovskii, K. - The rallying of all antimonopolistic forces is an urgent task of the working class. p. 24.
Levitin, S. - Triumph of the ideas of the Great October Revolution. p. 32
The socialist world today, figures and facts. p. 41
Bogachev, V., Karagedov, R - The immutable law of economic construction and the business accounting indices of industrial plants p. 44
Ignatovskii, P. - Industrial work in agriculture, p. 52.
Kopnin, P - Theory and experiment in contemporary science p. 60.
Igritskii, IU. - Anticommunism is a tool of the American reactionaries p 63.
Panfilov, E. - Communism as the boundless progress of mankind p. 75.
Didzian, V., Chernik, IU - What is economic cybernetics? p. 78
Morozov, P. - All forms of ideological weapons must be put into operation, from the practice of the Amur Province party organization p. 82.
Titarenko, S. - How V. I. Lenin's book "Proletarian revolution and the renegade kautsky" should be studied. p. 88
Vorkunov, S. - Problems of the political economy of socialism in a social science course. p. 105.
Ladygin, B., Shirinev, IU. - Successes of the economic cooperation among the members of the Mutual Economic Assistance Council p. 113.
Eroman, N., Zubrikov, V. - The striking victory in the Dnieper Valley. p 119.
Tarasov, T. - Propagandists reviewed a book. p 124.
Shafir, M. - "The future of democracy" by Jacques Duclos. p. 127.
Kononov, V. - "Studies of Marxist-Leninist ethics." p. 130.
Stepanov, A. - "The art of persuasion" by A. M. Levin. p. 131.
Kirsanov, A. - "The other America" by Michael Harrington. p. 133.
Bromberg, L., Kudriavtsev, F., Smirnov, A. - Literature on the Great October Socialist Revolution. p. 136.
Instruction on chemistry for propagandists. p. 141.
Programs for the system of political education. p. 143

RUSSIA (1917- R. S. F. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet, Gazette]. Moscow, vol. 7, nos. 37(259), 39(261)-41(263), Sep.-Oct. 1963.

RUSSIA (1923- U. S. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet, Gazette]. Moscow, vol. 26, nos. 43(1182)-44(1183), Oct. 1963.

SOTSIALISTICHESKII VESTNIK. THE SOCIALIST COURIER. Organ of Rossiiskaia sotsial-demokraticheskaia rabochaia partiia [Russian Social Democratic Workers' Party]. New York, vol. 43, no. 9/10(781/782), Sep.-Oct. 1963.

SOVETY DEPUTATOV TRUDIASHCHIKHSIA [SOVIETS OF WORKERS' DEPUTIES]. Issued by the newspaper "Izvestiia." Moscow, no. 6(72), June 1963.
Table of contents translated
Soviets and the services for our people. p. 3.
Against indifference and red tape in the examination of complaints p. 6.
Baskakov, A. - Spiritual life in collective farm villages p 9.
Absaliamov, A - Our people advise and teach us. p. 15.
Nikiforov, V - Real owners of city property. p. 18.
Shalkovskii, L - Medical service after its reorganization. p. 22
Bochkareva, P. - How we organize the produce trade. p. 26.
Bychkov, A - For our townspeople p. 28.
Fesiun, I. - Life and work go one after the other. p. 32.
Mukhortov, V - Rural mail. p. 36.
Tokhtakhodzhaeva, L - We should help and advise the new deputies of the soviets. p. 39
Monchadskaia, N. - Skill is a result of study p. 45.
Marunich, I - Effective results of persistent efforts. p. 51
Vasenina, Z - We should organize a correspondence school for the personnel of the soviets. p. 54.
Rulev, N. - Voluntary helpers of the social security departments of district soviets. p. 55.
Zimovnov, M. - The staff has decreased but efforts have grown p. 60.
Novikov, G. - Try to settle the disputes without a trial, even if it were a trial by a fellow workers' court. p. 62
Gutsalenko, L - How to improve the work of the construction industry in rural regions? p 65.
Zlatogorov, Mikhail - At the behest of the executive committee. p 70.
Nikitin, Petr - Comrade Smorodin from Pukhlyakhovskiy. p 75.
Vinogradov, L - Old usages in a new house. p. 79.
Kapustin, T - Let us show you a red-tapist and bureaucrat. p. 82.
Biekhter, E. - Story of a partition. p. 84.
Koval', G. - A large settlement without a cultural center. p. 86.
Osnovin, V., Seredin, P. - Old problems and new objectives of the district soviets. p. 87.
Shutov, L - Great achievements of the seven-year plan. p. 90.
Stepanov, V. - Town meetings. p. 91.
The election campaign is over. p. 93.
Well done! Valuable initiative of our newspapers. p. 95.
Shagurin, B. - Administrative committees. p. 96.
Newly-elected members of the supreme soviets of the Union and Autonomous Republics and local soviets. p. 99
Recent legislative enactments. p. 101.
Brief interpretation. p. 102.
Brief news. p 103.
Chernenko, K. - Ten days in Poland. p. 105.
Rudenko, S. - Specious promises, a satirical sketch p. 110.
Ivanov, Vladimir - Neither here nor there, verse. p. 112.

No. 9(75), Sep. 1963.
Table of contents translated.
Soviet agriculture on the path toward new achievements. p. 3.
Let us have an abundant supply of potatoes and vegetables for the wintertime. p. 6.
Zarobian, IA. - The backbone of educational work. p. 9.
Sviridov, N. - Current problems in the work of rural cultural centers. p. 14.
Fediakov, A. - Let us ensure the protection of communal property. p. 21.
TSiundik, A. - We should strengthen the economy of collective and state farms. p. 26.
Bondar', A. - Our children will come to the new schools. p. 29.
Pokrovskaia, N. - When we come to a meeting. p. 33.
Bullakh, A. - To review means to lend a helping hand. p. 37.
Demchenkov, V. - How to strengthen the budgets of rural soviets. p. 39.
To our readers. p. 42.
Ivkov, I. - A few words about public baths in rural areas. p. 43.
Zviagin, IU. - A "souvenir" from Gagry. p. 48.
Zueva, A. - Helping hands of our women. p. 50.
Terekhov, S. - The Committee of Karl Liebknecht Street. p. 53.
Mikhailov, D., Koverda, P. - Voluntary policemen are always ready to act. p. 54.
Koshelev, N. - Five inspections [illegible]. p. 57.
IAblonovskii, S. - Chairman of the [illegible] is a remarkable man. p. 60.
IAkubov, V. - A study group for activists. p. [illegible]
Exchange of experience, suggestions, [illegible] p. 61.
Postnikov, M., Vishniakov, V. - State [illegible] mandates of voters. p. 64.
Pashkevich, A. - What is hidden behind [illegible] a passport? p. 69.
Monchadskaia, N. - How could it happen? p. 71.
Vasil'ev, S., and others - "I have decided [illegible] the law." p. 75.
Koveshnikov, P. - One event [illegible]. p. 78.
Follow-up of our reader's letter. p. 80.
"Small bakeries on mechanized bakeries [illegible] p. 81.
"Those who seek refuge from a thunderstorm [illegible] p. 81.
"The election campaign is over." p. 81.
Fadeev, L., Lipatov, V. - All for one and [illegible] p. 82.
Vasil'ev, V. - Lenin's views on the work [illegible] Soviets. p. 86.
Petrenko, I. - The guardians of law and order [illegible]
How the work of the deputies of the soviets [illegible] proved. p. 90.
Well done! Valuable suggestions of Soviet [illegible] p. 91.
Gorsheneva, N. - How many farm animals are citizens allowed to own? p. 92
Now should we punish such violations of administrative rules? p. 95.
They don't need such certification from the place of residence. p. 96.
Must industrial enterprises give to the committees of settlement soviets [illegible] residential buildings? p. 96.
Individual plots of collective farmers cannot be permitted to their heirs. p. 96.
How to punish the farmers who stay away from active farm work. p. 97.
Violation of Soviet Laws. p. 97.
How we carry out the decree on the [illegible] houses and summer cottages built and [illegible] unearned income. p. 98.
The Council of Ministers has discussed the [illegible] executive committee of a district. p. 99.
Brief news. p. 100.
Zykov, S. - Mayor of Gennevilliers. p. 102.
Gerasimov, O., IUvsov, IU. - Flint republic [illegible] Arabian Peninsula. p. 107.
Shlan'ko, N. - Behind closed doors. p. 110.
Tarabukin, Igor'. - Their place is in the archives satirical verse. p. 112.

TÜRKMENISTAN KOMMUNISTI [COMMUNIST [illegible] MENISTAN]. Organ of the Central Committee [illegible] Communist Party of Turkmenistan, Ashkhabad, vol. 39, no. 9, Sep. 1963. [In Turkman]

VIL'NA UKRAINA [FREE UKRAINE]. Journal [illegible] vil'na hromada v Amerytsi [Ukrainian [illegible] America]. Detroit, no. 39, 1963.

7. LAW

LENINGRAD. TSENTRAL'NYI NAUCHNO [illegible] TEL'SKII INSTITUT MORSKOGO FLOTA. [illegible] tsionnyi sbornik [CENTRAL SCIENTIFIC [illegible] INSTITUTE OF THE MERCHANT MARINE. [illegible] tion Bulletin]. No. 49, 1960. Morskoe pravo i praktika [Maritime Law and Practice], no. 9.
Table of contents translated
Kolesnik, D. N. - First Assembly of the Inter[illegible] mental Maritime Consultative Organization [illegible]
Aleksandrov-Dol'nik, M. K. - Is there a need [illegible] parties in Soviet maritime law? p. 11.
Egorov, L. M. - Legal regulation of relations [illegible] ing to the transportation of freight; approaches to proposed new civil code of the R.S.F.S.R. p. [illegible]
Egorov, K. F. - Two ways to limit the liability [illegible] owners of seagoing vessels. p. 19.
Vorokhobskii, A. IA. - Terms and conditions of towage of seagoing vessels adopted by the [illegible] Board of Foreign Trade. p. 22.
Raikher, V. M. - The problems of salvage, [illegible] marks relating to the proposed code of maritime law. p. 27.
Shmigel'skii, L. G. - Regulation of transportation [illegible] shiploading functions of ports in the proposed [illegible] of Soviet maritime law. p. 33.
Khodunov, M. E. - Some remarks on proposed chapters on Soviet ports. p. 39.
Introductory articles of the proposed code of maritime law. p. 39.
Limitation of actions in the proposed code of maritime law. p. 45.
"Special ranks of merchant seamen," a supplement to the proposed code of maritime law. p. 51.
Decision of the State Council of the Chinese People's Republic on the establishment of the Maritime Arbitration Commission attached to the Chinese Committee for the Development of Foreign Trade. p. 56.

Temporary procedural rules of the Maritime Arbitration Commission attached to the Chinese Committee for the Development of Foreign Trade. p. 58.
The Polish People's Republic, contracts and requirements for the towage of ships p. 62.
From the judicial practice of the U.S S.R. p. 68.
From the practice of U.S. courts. p. 70.
From the practice of English courts. p. 72.
Mikulinskii, E.A. - Work of the Intergovernmental Maritime Consultative Organization. p. 74
Vorokhobskii, A. IA. - In the International Chamber of Shipping, changes in the preparation of shipping documents. p. 77.

No. 66, 1961. Morskoe pravo i praktika [Maritime Law and Practice] no. 12.
Table of contents translated:
Kolodkin, A.L. - Basic problems of socialist property rights on seagoing vessels in the U.S.S.R. p. 3.
Egorov, L.M. - Delimitation of the liability of steamship lines and railroads for the loss of freight in the direct railroad and water transportation of goods. p. 12.
Astanovskii, G.B. - Liability for loss and injury to freight in container transportation. p. 21.
Vorokhobskii, A IA., Kolodkin, A.L. - Investigation of marine accidents in Poland and the German Democratic Republic. p. 26.
Volkov, IA.P. - Belgian laws and judicial practice in cases concerning the liability of forwarding merchants for the loss of freight in maritime transportation. p. 36.
Decision No. 266 of March 9, 1960 of the Council of Ministers of the U.S.S.R. on the amendment of Article 1 of Regulations on the Maritime Arbitration Commission attached to the All-Union Board of Trade. p. 48.
Regulations on recording the loss of freight and baggage p. 49.
From the practice of Soviet arbitration agencies. p. 60.
Decisions of English courts. p. 63.
Decisions of U.S. courts. p. 65.
Decisions of Dutch courts. p. 66
Bibliography. p. 68.

No. 67, 1961 Morskoe pravo i praktika [Maritime Law and Practice], no 14.
Table of contents translated:
Kolodkin, A.L. - New regulations on the protection of Soviet borders as related to Soviet laws on territorial waters p. 3.
Egorov, K.F. - Some suggestions concerning the preparation of rules on the mutual responsibility of contracting parties for their failure to carry out their plans for the maritime transportation of freight. p. 10
Brukhis, G.E., Kordon, A.V. - We should review and amend some obsolete rules. p. 18.
Aleksandrova, K.N. - New procedure in the examination of claims submitted to the State Arbitration Agency attached to the Council of Ministers of the U.S.S.R. and the state arbitration agencies of the R.S.F.S.R p. 23
Shar-Baronov, L.K. - Implementation of rules on the prevention of collisions when sailing in frozen waters. p. 30.
Decree of the Presidium of the Supreme Soviet on the adoption of "Regulations on protection of the state borders of the U.S.S.R." p. 36.
Regulations on protection of the state borders of the Union of Soviet Socialist Republics. p. 37.
Directive letters of the State Arbitration Agency attached to the Council of Ministers of the U.S.S.R. p. 47.
Reservations of the Soviet Union to the Geneva conventions of 1958. p. 49.
Some decisions of the State Arbitration Agency attached to the Council of Ministers of the U.S.S.R. p. 50.
A decision of the State Arbitration Agency attached to the Council of Ministers of the Latvian S.S.R. p. 53.
A decision of the Interdepartmental Arbitration Agency of the Ministry of Merchant Marine. p. 53.
Keilin, A.D. - Some decisions of the Maritime Arbitration Commission. p. 54.
Oberg, R.R. - From the practice of the Bureau of Average Adjusters attached to the All-Union Board of Trade. p. 65
Protopopova, M.I. - A review of English judicial decisions in maritime conflicts in 1960. p. 72.
Gureev, S.A. - How Belgian courts interpret some problems of maritime law. p. 82.
Some decisions of French courts. p. 87.

No. 72, 1962. Morskoe pravo ipraktika [Maritime Law and Practice], no. 16.
Table of contents translated:
Aleksandrova, K.I. - Appeals from and review of the rulings of arbitration agencies. p. 3.
Kravtsov, A.K. - Civil law liability of shipowners for failure or delay in delivering their vessels for the planned shipping of freight to foreign countries. p. 6.
Egorov, L.M. - Conflict of laws in the collision at sea of the ships of different nations. p. 11.
Zaorski, Remigjusz. - Nationality of seagoing vessels in international law. p. 18.
Protopopova, M.I. - A review of the "Le droit maritime français," a French periodical. p. 24.
Decree of the Supreme Soviet of the R.S.F.S.R. "On the amendment of Article 255 of the civil procedure code of the R.S.F.S.R." p. 29.
International Convention for the Unification of Certain Rules Concerning the Transportation of Passengers by Sea, 1961. p. 30.
From the practice of the State Arbitration Agency attached to the Council of Ministers of the U.S.S.R. p. 37.
From the practice of the Interdepartmental Arbitration Commission of the Ministry of Merchant Marine. p. 39
From the practice of the Maritime Arbitration Commission attached to the All-Union Board of Trade. p. 41.
From the practice of English courts. p. 43.
From the practice of French courts. p. 44.
From the practice of U.S. courts. p. 46.
Polish legislative enactments in the field of maritime law. p. 47.
Scholarly research in the field of maritime law by a group of German lawyers in the Walter Ulbricht Academy of the State and Law. p. 49.
Norms for the loading and unloading of ships constructed for the transportation of bulk cargo. p. 51.

MOSCOW. UNIVERSITET. Vestnik. Seriia 10. Pravo [UNIVERSITY Review. Series 10. Law] Vol 18, no. 3, July-Sep. 1963.
Table of contents translated:
Lesnoi, V.M. - Educational role of the state of all people. p. 3.
Kravchuk, S.S. - The nature of contacts among the Soviet Republics before the establishment of the U.S.S.R. p. 13.
Zenin, I.A. - Legal regulation of cooperative deliveries. p. 24.
Selikov, F.T. - Investigation and pretrial examination of the original records of business transactions. p. 36.
A defense lawyer should be present when a minor is charged with a criminal offense and he should be allowed to see the accused. p. 45.
Chernichenko, S.V. - The role of nationality in present-day international law. p. 52.
Aldoshina, V.P. - A review of laws on the control of air pollution. p. 62.
Schultze, Gerhardt - Efforts of the German Academy of the State and Law to combine the educational process with practical work. p. 69.
Gromakov, B.S., Seleznev, N.A. - A valuable study on the representative system of the Polish People's Republic. p. 73.
Kozlov, IU.M. - "Sanctions in Soviet law" by O.E. Leist. p. 76.

RADIANS'KE PRAVO [SOVIET LAW]. Organ of Ministerstvo iustytsii URSR [Ministry of Justice of the Ukrainian S.S.R.] and others. Kiev, no. 3, May-June 1963.
Table of contents translated:
Holovchenko, I. - Shoulder to shoulder with the Soviet public we intensify our efforts to ensure a strict observance of the laws and maintain public order. p. 3.
Zhurs'ka, K. - Important phase in the development of civil law. p. 8.
Baru, M. - How our laws protect the good name and reputation of Soviet workers. p. 14.
Muntian, V. - We should ensure a strict observance of the laws on the conservation of soils and forests. p. 19.
Strel'tsov, L. - Guarantees for the sovereignty of the Soviet Union and the Union Republics. p. 26.
Buchakchais'kyi, M. - Mass control is the most important factor in the present-day work of the soviets of workers' deputies. p. 30.
Bondarenko, H. - Work experience of a village soviet. p. 33.
Novak, O. - Work of a standing committee of socialist legality. p. 35.
Perkin, V., and others. -From the work experience of voluntary policemen. p. 37.
Tarasiuk, P. - Fellow workers' court of a shoe factory. p. 42.
Koroviakov, H. - Struggle against poaching is a concern for the entire community. p. 44.
Petrenko, P. - How to induce the public to participate in the struggle against the violation of Soviet laws. p. 46.
Andrieiev, M. - Cooperation between investigators and policemen in the pretrial examination of criminal offenses. p. 47.
Vyshneva'kyi, S - Disseminating and bringing into practice the progressive experience p 51.
Volod'ko, M. - Who was the murderer? p 54
Ermolenko, B. - Appointing the expert witnesses for the identification of firearms. p. 56.
Protsevs'kyi, A - Controversial problems relating to the reinstatement of workers and employees to their former positions p. 61
Zahorodniuk, V. - Let us strictly observe the procedural rules of taking an appeal from judicial decisions and sentences p 65.
Kudriavtsev, O. - Property rights to residential buildings. p. 68.
Gordon, M. - Inheritance rights of heirs by operation of law in testate succession. p. 70.
An article written for the Soviet Ukrainian Encyclopedia. p 77
Mol'nyk, IE. - Technological progress and patent law. p. 81.
Pushkin, O - Legal status of the enterprises of local industry. p 87.
TSymerman, IU - Legal rules governing the use of fixed assets in industrial enterprises. p. 91.
Blatik, M. - Some problems in the work of arbitration agencies. p. 98.
Ovsiienko, V. - Some problems of limitation of actions. p. 100
Fin'ko, V. - Prosecutors and prosecuting witnesses in Soviet criminal procedure. p. 106.
Lanovenko, I. - Let us close a gap in criminal law. p. 110.
Bulalenko, IU., Lend'iel, I. - Effective form of crime prevention. p. 114.
Baltura, V., Chernenko, P. - Timely problem of legal aid to collective farms. p. 115
Lozo, I - Problems concerning the regulation of work and labor discipline on collective farms. p. 117.
Baskakov, M., Kyrylluk, O. - Let us disseminate legal knowledge among the masses. p. 119.
Bei, IU. - Liability for loss caused to field crops by farm animals. p. 123.
IUrenko, V. - Oppressive laws of race discrimination. p. 124.
Decisions of the Supreme Court of the Ukrainian S.S.R. p 127.
Decisions of arbitration agencies. p. 134.
Recent legislative enactments p. 136.
Klushnychenko, A., IAkovenko, D. - "Soviet administrative law; general part" by I.M. Pakhomov. p. 138.
Chyhyr, V. - "Legal problems concerning the joint construction of residential buildings" by T.M. Lisnychenko. p. 141.
Makchon, S. - "Sociopolitical and legal ideas of Nicolae Bălcescu" by IU.IA. Baskin. p. 143.
Brief news. p 145.
Legal advice. p. 148.
Brief review of books. p. 153.

RUSSIA (1917- R.S.F.S.R.) Verkhovnyi Sud. Biulleten' [Supreme Court. Bulletin]. Moscow, no. 10, 1963.

SOTSIALISTICHESKAIA ZAKONNOST' [SOCIALIST LEGALITY]. Organ of Prokuratura SSSR [Attorney General's Office of the U.S.S.R.]. Moscow, vol. 40, no. 8, Aug. 1963.
Table of contents translated:
Rudenko, R. - Let us strictly observe Soviet laws and develop a socialist understanding of law. p. 3.
Shumilin, B. - We should always try to improve the party guidance of administrative agencies. p. 16.
Klochkov, V. - Grounds for starting an examination of the problem whether a prisoner should be released on parole and control over the behavior of the parolees. p. 21.
Efimov, E. - Legal problems concerning the return of confiscated property to rehabilitated citizens or to their heirs. p. 26.
Gol'st, G. - Let us intensify our struggle against the production of low-grade and substandard goods. p. 32.
Barkov, A. - Supervising the observance of Soviet laws on collective farms. p. 37.
Current plenary session of the Supreme Court of the U.S.S.R. p. 40.
In the Collegium of the Office of the Public Prosecutor of the U.S.S.R. p. 40.
Orlov, A. - When a criminal is left at large. p. 42.
Dromov, B., Gustov, G. - We should try to eliminate the pilfering of merchandise in trade organizations. p. 46.
Rumiantsev, I. - We should eliminate the conditions which contribute to the pilfering of socialist property in silk factories. p. 48.
Larin, A. - Some problems of the theory of evidence. p. 51.
Kolesnichenko, A. - Correlation between the introduction of evidence and the pretrial investigation of criminal offenses. p. 54.
Gurevich, I., Bychkova, TS - Laws on cooperative residential building associations. p. 55.
Tumanova, M. - We should strictly observe the laws on land tenure. p. 59.
Pattakov, IU. - How public prosecutors supervise the observance of Soviet laws in prisons. p. 62.

Kim, V. - Let us study and disseminate the progressive experience of the best prosecutors and investigators. p.64
Gukovskaia, N. - Special methods of investigating the criminal offenses committed by minors. p.66
Menescu, K., Solomon, B. - Public prosecutors of the Rumanian People's Republic are the guardians of socialist legality. p 69.
Kuranov, V. - Crime and punishment in America p.73.
Nekrasov, IU - The methods of those who teach. p 75.
Trofimova, Stella - Pistol No 2109 (conclusion). p.80.
Gurina, V., Zasukha, A - If quantity is the most important objective. p 87.
How public prosecutors supervise the observance of Soviet laws. p.89
IAmenfel'd, G - Reinstatement of workers to their former positions in cases where their dismissal wasn't fair. p.91.
A conference of contributors to our periodical. p.93.

SOVETSKAIA IUSTITSIIA [SOVIET JUSTICE]. Issued by Ministerstvo iustitsii and Verkhovnyi Sud RSFSR [Ministry of Justice and the Supreme Court of the R.S.F.S.R.]. Moscow, no.15, Aug. 1963.

Table of contents translated:

Let us improve the forms of controlling the work of people's courts. p.1.
Baskov, V. - We should eliminate shortcomings in release on parole. p.3
Anisimova, T. - We continue our struggle. p.6
Uspenskii, V. - Let us promote public participation in the examination of commercial conflicts. p.8.
Kandybina, T. - Excluding some items from liens on property. p.9.
Chernitskii, E., Zubanov, V - Judicial errors in the imposition of penalty. p.11.
A decision of the plenary session of the Supreme Court of the U.S.S.R. p.12
Buriakov, A. - The forms of care for and the worship of the children of detained and imprisoned persons. p.14.
Riabinskii, B. - Let us fully protect the interests of the shippers of goods. p.16
Dudnikov, S. - We should define the legal status of land reserved for pipeline transportation. p.17.
Shmarov, I., Tumanov, G. - Important factor in the prevention of recidivous crimes. p 19.
Maksimov, V. - Criminal responsibility for the abuse of administrative power. p.20.
Kontievskii, N - Abridged distances. p.22
Makar'in, IU. - We should intensify our struggle against rowdyism p.25
TSelenko, P. - There is no reason to investigate such cases in courts. p.25.
Oltianu, O. - Arbitration commissions in revolutionary Cuba. p.26.
Pul'tanov, V. - English police and courts have intensified their repressions. p.27
Discussing the textbook "Criminal law; special part." p.29.
Answering our readers' questions. p.30.
Not for imitation p.31.
From the practice of notarial agencies. p.32.

No.16, Aug. 1963.

Table of contents translated:

Leninist methods in the work of Soviet courts. p.1.
New rules which regulate the examination of commercial conflicts in arbitration agencies. p.4.
Fedorov, F. - Liability for loss caused by the embezzlement and pilfering of socialist property. p.6.
Mushnikov, A. - Some difficulties in the trial of cases concerning the violation of forestry laws. p.8.
Pozubenko, I. - We should enact new housing laws for rural areas. p.9.
Elesin, V. - Closing speeches of defense lawyers in juvenile delinquency cases. p.10.
Mironov, L. - Struggle against criminal offenses is a problem of national importance. p.11.
Grishanin, P. - Criminal responsibility for violating the laws which regulate the carrying, keeping, producing, and selling of arms and explosives. p.13.
Simonov, A. - For the happiness of our people. p.15.
Tonkikh, V. - Golden rags. p.16.
Kuvylin, A. - Why doesn't the exectuve committee of our district show concern for fellow workers' courts? p.17.
Razumovich, N. - Antidemocratic laws in Argentina. p.18.
Discussing the textbook "Soviet criminal law; general part." p.21.
Decisions of the plenary session of the Supreme Court of the U.S.S.R. p.22.
Answering our readers' questions. p.28.
From the practice of notarial agencies. p.30.
Decisions of arbitration agencies. p.31.

No. 17, Sep 1963.

Table of contents translated:

More attention to the work of fellow workers' courts p.1.
Sedugin, P. - Liability for injuries sustained while protecting socialist property. p.3.
Vorob'ev, G - We should strictly observe the accused's right to have a defense counsel p 5.
Practice in the confiscation of houses, summer cottages, and other buildings constructed or bought on unearned income p. 7.
Urzhinskii, K. - Legal problems relating to the struggle against labor turnover p.10
Gorokhov, I - Some problems concerning the execution of judicial decisions. p.12.
Eraksin, V. - Differentiation between robbery and other criminal offenses of the same type p.14.
Efimov, M. - Criminal responsibility for the production of low-grade, substandard, and deficient goods. p 17.
Gorin, A. - The call of her heart p.19.
Lesnoi, V - Judicial system of the Democratic Republic of Vietnam. p 21.
Utkin, R. - The U.S.A and the German Federal Republic are at the forefront p.23.
IAfimina, I. - We need more books on the work of people's assessors. p.24.
Decisions of the plenary session of the Supreme Court of the U.S.S.R. p.25.
Answering our readers' questions. p.29.
Decisions of arbitration agencies. p.30.
From the practice of notarial agencies. p.31.
Not for imitation. p.32.

SOVETSKOE GOSUDARSTVO I PRAVO [SOVIET STATE AND LAW]. Organ of Institut gosudarstva i prava Akademii nauk SSSR [Institute of State and Law of the Academy of Sciences of the U.S.S.R.]. Moscow, no.10, Oct. 1959.

Table of contents translated.

Work of the Committees for Legislative Proposals of the Soviet Union and the Soviet of Nationalities of the Supreme Soviet of the U.S.S.R. p.3.
"Basic Principles of the Labor law of the U.S.S.R. and the Union Republics." p.3.
Assistance from the Soviet public is the decisive part of our efforts to ensure a strict observance of socialist laws. p.16.
Tashenev, Zh. - New legislative enactments of the Kazakh S.S.R. p.26.
Polack, K. - Ten years of the German Democratic Republic. p.36.
Patiulin, V.A. - Destruction of the state apparatus of the Kuomintang in China. p 47.
Romashkin, P.S., Zivs, S.L. - International Association of Legal Science should promote the ideas of peace and progress. p.60.
Raginskii, M IU. - Placement in the custody of the Soviet public as a means of crime prevention and the rehabilitation of criminals. p.70.
Mitrichev, S.P. - Public participation in the pretrial investigation of criminal offenses. p.82.
Pronina, V.S. - Role of the Soviet public in the struggle against juvenile delinquency. p.89.
Keilin, A.D - The 30th anniversary of the code of maritime laws of the Soviet Union. p.98.
Ring, M.P. - Civil law problems relating to the participation of workers and employees in the construction of residential buildings by industrial enterprises and governmental agencies. p.105.
Sevilkiants, G.S. - Guaranteed monetary remuneration of collective farmers for their work. p.113.
Turubiner, A.M. - Codification of forestry laws. p.115.
Savel'ev, M.S. - Practice in the levying of fines. p.118.
Bobotov, S.V., Sheino, E.F. - New criminal procedure code of France extends the jurisdiction of the police and restricts the rights of the individual. p.123.
Daglai, M.V. - The All-Union Conference on Labor Law. p.128.
Mucinieks, P.K., Tubenshliak, E.I. - A coordinating conference in Riga. p.134.
Sazonov, N., Nikolaev, B. - In the Faculty of Law of Rostov University. p.136.
TSimerman, IU.S. - Amendment of transportation laws. p.137.
Riabko, I.F., and others. - Current problems of Soviet constitutional law p.139.
Munder, A.I. - A lesson to aggressors. p.142.
Dornberger, G., Posh, M. - Civil and economic law of the German Democratic Republic. p.147.
The most important legislative enactments of foreign countries, May-June 1959. p.150.
Current legal literature of the U.S.S.R., June-July 1959. p.155.

8. EDUCATION

a GENERAL

AZĔRBAĬCHAN MĔKTĔBI [AZERBAIJANI SCHOOLS]. Organ of the Ministry of Education of the Azerbaijan S.S.R.]. Baku, no.8(191), Aug. 1963. [In Azerbaijani]

DOSHKIL'NE VYKHOVANNIA [PRESCHOOL EDUCATION]. Organ of Ministerstvo osvity URSR [Ministry of Education of the Ukrainian S.S.R.]. Kiev, vol. 24, no. 8, 1963.

Table of contents translated

Bondar, A.H. - Every collective and state farm should have preschool institutions. p.1.
Liakhov, M. - Great Slavic educator. p.6.
Bulatova, O. - International education. p.10
Zhytnikova, T., Kirsina, N. - Hellen-Holloway educational work with children. p.15.
Cherednychenko, N. - International education in kindergarten. p.24.
Pochynok, M. - Excursions into a forest. p.24
Shymanovs'ka, V. - Children of a preparatory group make wooden toys. p.30.
Boiko, H. - Tongue twisters. p.33.
Antonova, V. - Grandfather and rabbits. p.34
Aleksandrova, Z. - My little bear. p.36
Braters'ka, S. - Construction of wooden articles. p.37.
Mai'ko, M. - From Maiakovskii to children p.41
Nasteka, M. - "Twelve months." p.44
Kravchenko, IE. - Who is right? p.45.
Shcherbakova, I. - Training of teachers by methods p.46.
Hol'dberh, S. - Conference of parents. p.47.

Vol.24, no.8, Aug. 1963.

Table of contents translated:

Our power is in communist ideology. p.1
Nechaieva, V. - Work training in a kindergarten p.5
Alzykovych, R - Age norms for the development of self-service habits in small children p.13
Novyts'ka, M. - Work with children who just entered a day nursery. p.21.
Zhachko, M. - Training in cultural and hygienic habits and self-service. p.23.
Ivanova, V. - Children's creative play in a kindergarten lot. p.28.
Tarnovs'ka, K. - Friendly meetings. p.31.
Boiko, H. - Summer morning. p.33.
Vasylev, Ivan. - Reynard the Fox got ill. p.34
Parkhomenko, V. - End of a summer p.39
Zhyl'tsova, O. - Games for the development of analysis in the preparatory group children p.38
Chornyi, V. - "Tomorrow we go to school." p.41
Trolan, H. - For children about nature. p.42.
Pereder, M. - Aids for preschool teachers. p.45
In the Ministry of Education of the U.S.S.R. p.47

DOSHKOL'NOE VOSPITANIE [PRESCHOOL EDUCATION]. Issued by Ministerstvo prosveshchenia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no.7, July 1963.

Table of contents translated:

Communist ideology is our weapon. p.1.
Friend and family adviser. p.5.
Grunenysheva, N. - Local committee in a kindergarten. p.9.
Smirnova, E. - Capacity of the combined preschool institutions. p.10.
Kolesnikova, A. - In order to give children a better training. p.12.
Khoifits, S. - Children's book as a work of art. p.13
Tiagnibidin, V. - Let's raise healthy children. p.17.
Rusakova, E. - Children's clothing and shoes. p.19.
Press on preschool education. p.22.
In the Ministry of Education of the R.S.F.S.R. p.24.
Liamina, G. - Development of speech and orientation in their surroundings in two-year old children. p.29.
Meshalova, N. - Continuity in the work of day nurseries and kindergartens. p.36.
Leont'eva, Z. - Work as a means of training. p.39
Ershova, A. - Love for work. p.41.
Tamm, V., Fabrichnova, G. - Woodwork. p.41.
Trenina, V. - Let's teach them to love their home town. p.50.
Sakharova, L. - Creativeness and inventiveness in the preschool. p.51.
Igritskaia, M. - Play with sand and water. p.53.
Ogonovskaia, K., Gribovskaia, A. - Aesthetics of kindergarten life. p.56.
Gerasimov, V. - Useful insects. p.66.
Venger, L. - Development of perception in infancy and preschool childhood. p.69.
Stashkova, B. - Development of cognitive activity in small children. p.72.
Akhtamzian, Kh. - Against poorness and clichés. p.75.
Repin, IU. - Concern for the future. p.76.
Finkel'shtein, R. - Pedagogical skills. p.82.
Osipov, A. - Guard your children against religious intoxication. p.85.
Skel, M. - Don't ever forget it. p.89.
Azovskaia, L. - Now we are friends. p.90.
Perevezentseva, T. - First parents' conferences. p.91.
Kozhukhova, A. - How a loaf of bread grew up in the field. p.93.
Shlykova, G. - True educator. p.95.
Aleshina, A. - About our profession. p.100.

Denisov, B. - Art that we need, p.101.
Klykov, A. - Flying web, p.104.
Lebedeva, E. - Guard children's health, p.104.
Druz', I. - Take care, fire! p.106.
Popovskaia, L. - Enthusiasm in work, p.108.
Steslitskaia, A. - Let's give attention to Soviet toys, p.109.
What should not be, p.110.
G.L. - "May" and "may not" p.112
Burmistrova, N. - After a grippe, p.113.
Razova, V., Boguslavskaia, V. - Word and imagery in children's poetry, p.114.
Aron, K. - First acquaintance, p.116.
Ivanova, A., Mishuitseva, V. - Aesthetic training in a kindergarten, p.123.

Vol.36, no.8, Aug. 1963.

Table of contents translated:

Matter of honor for every kindergarten, p.1.
Mlynek, A. - Forum of women from the whole world, p.4.
Frolova, K., Chernova, M., Nesterova, Z. - Contribution of the Soviet public to preschool education, p.7.
Ovchinnikov, S. - By a common effort, p.10.
Rusanova, N., Liakhovskaia, IU. - We would like to tell about it, p.12.
Muzhelevskaia, L. - In Voronezh Province, p.13.
Akhtamzian, Kh. - Summer vacations, p.17.
Solov'eva, A. - Good people, p.19.
Stytsko, V. - In the Ministry of Education of the R.S.F.S.R, p.21.
Petrochenko, G. - Continuity between kindergarten and the first grade of a school, p.22.
Polishkur, E. - Teaching to count, p.28.
Petriaeva, N. - We teach four-year-old children to count, p.35.
Shakh, G. - Construction and play, p.38.
Pupova, O. - We correct children's speech, p.41.
Shibaiova, I. - Talks and discussions with the senior-group students, p.43.
Ivanova, R. - Folk song in a kindergarten, p.46.
Shal'pina, E. - Exhibition of children's drawings, p.49.
Chebotarev, A. - "Brain reflexes" by I.M.Sechenov and his psychological views, p.51.
Burdzhelian, I. - Imagery of the Russian literary language, p.55.
Savich, E., and others. - Creative discussions are the main feature of a debate, p.58.
Kuz'mina, E. - Ways of pedagogical propaganda, p.75.
Babushkina, A. - Motion pictures in working with parents, p.76.
Timofeeva, M. - How I learned poetry, p.77.
Batkilina, D. - We need model institutions for children, p.78.
Nesvit, F. - In our district, p.79.
Bulgakov, V. - She works in Friendship street, p.80.
Gal'perina, I. - Master worker in education, p.83.
Bocharova, V. - Thank you, Galina Ivanovna! p.85.
Sosnovskii, I. - My three friends, p.87.
Kossakovskaia, E. - New toys, p.91.
What should not be, p.94.
Zabludovskaia, E. - More on the usefulness of air, p.96.
Meetings with friends, p.100.
Razova, V. - Read it to your children, p.104.
Uspenskaia, A. - Children and adults in the tales of E.TSiurupa, p.106.
Dolarskaia, N. - For children about the past, p.107.
L'vova, V. - Gay folk games, p.110.
Karamanenko, T. - For the tiny ones, p.112.
Bugel'skii, IU. - "Zoological garden," p.114.

Vol.36, no.9, Sep. 1963.

Table of contents translated:

Kindergarten and school, p.1.
Leont'eva, Z. - Progressive practice in "Pedagogical lectures," p.3,
Korzakova, E., Zakharova, G. - "Pedagogical lectures" in Krasnoyarsk, p.5.
Dombrovskaia, A. - Methodological work in a kindergarten, p.7.
Vorob'eva, E., Samyshkina, I. - Stylish children's clothing, p.10.
Anushevskaia, O., Fel'dshtein, D. - We train children through work, p.13.
Shumborskaia, V., Immamutdinova, A. - Work in the environment of nature, p.21.
Kurochkina, V. - Service duties of children, p.26.
Shinkarenko, N. - Connection between kindergartens and schools, p.29.
Solov'eva, A. - The making of toys, p.32.
Dirko, V. - Acquainting children with construction work, p.34.
Nepomniashchaia, N. - Development of will, p.36.
Mesoniashin, I. - I.I.Sreznevskii on the preschool study of the Russian language, p.40.
Morozova, M. - Let's know and love Russian words, p.45.
Shinkarenko, I., and others. - We continue our discussion, p.47.
Darchinova, E. -Not only children need an education p.72
Bocharova, V - Talent to love people, p.73
Smelova, L., Gusarin, P - Teacher and public figure, p.75
Sipak, A. - Wholeheartedly, p.75
Mozhaeva, E - Homemade dolls, p.77
Russkova, L. - Children should not be sent away from a kindergarten, Food for the workers of children's institutions, p.80.
Plakhtiurina, V. - Kindergartens should have methodological literature and visual aids, p.81.
Anna N'inichna Zorina-Tarasova; obituary, p.82
Eliseeva, L. - Voices of young poets for little children, p.84.
Osipov, M - Through the eyes of the adults, p.87.
Mikhailova, L. - Festival dedicated to the Great October, p.90.

KUL'TURNO-PROSVETITEL'NAIA RABOTA [CULTURAL AND EDUCATIONAL WORK]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, vol.24, no.10, Oct. 1963.

NACHAL'NAIA SHKOLA [PRIMARY SCHOOL] Issued by Ministerstvo prosveshchenila RSFSR [Ministry of Education of the R.S.F.S.R.] Moscow, vol 31, no 9, Sep 1963

Table of contents translated:

Let's treat education, development and training uniformly, p.3.
Vasil'eva, M.S. - Training in Soviet patriotism is the most important task of schools, p.10.
Strunin, V. - To a new frontier, p.15.
Kazakova, A.A. - Instruction in reading p.23
Sysoeva, A.A. - Play elements in reading and writing instruction, p.27.
Ageeva, Z.S. - Struggle against dialectal mistakes, p.32.
Tarasova, L.I. - Research on the knowledge of and skills in arithmetic, p.35.
Erdniev, P.M. - Studying addition and subtraction, p.40.
Kotiagina, N.Z. - Aesthetic training during reading lessons, p.45.
Bogorodskaia, A.P. - Let's awaken the thinking of students, p.51.
Dobrovol'skii, A.E. - From the teacher's notebook, p.55.
Golubeva, T.S. - Let's organize a history lesson rationally and efficiently, p.57.
Lomeiko, V.F. - Development of the ability to jump in students, p.65.
Kopanev, M.D. - In a school with longer hours, p.68.
Vasil'eva, N.N., Rabinovich, L.I. - Teaching penmanship on one line in the first grade, p.73.
Anikina, T.D. - Organizing the work in a school with one or two teachers, p.76.
Kozenko, M.I. - All children can learn well, p.84.
Isakova, V.N. - Manual training, p.86.
Valer'ianova, E.A. - Daily observations of nature and work activities of man, p.88.
Kollagin, IU.M. - Reorganization of the teaching of arithmetic in the fourth grade, p.90.
Utkina, N.G. - Urgent problems in teaching arithmetic, p.95.

PADOMJU LATVIJAS SKOLA [THE SCHOOL IN SOVIET LATVIA]. Issued by LPSR Izglitibas ministrija [Ministry of Education of the Latvian S.S.R.]. Riga, no.10, Oct. 1963. [In Latvian]

RADIANS'KA SHKOLA [SOVIET SCHOOL]. Organ of Ministerstvo osvity Ukrains'koi RSR [Ministry of Education of the Ukrainian S.S.R.], Kiev, vol.42, no.5, May 1963,

Table of contents translated:

Khrushchev, N.S. - Carry out Il'ich's precepts in everything, p.3.
Republic-wide congress of progressive workers in student work brigades, p.4.
Appeal of the participants in the republic-wide congress of student work brigades to students of the Ukraine, p.5.
Andrilenko, L.V. - Enhance the glory of agricultural workers, p.7.
Saranchuk, M. - Brief news from the congress, p.12.
Svlochyn, K.B. - Let's train researchers from their childhood, p.14.
Boichenko, V.O. - In the avant-garde of pedagogical collectives, p.17.
Nevs'kyi, I.O. - Educational interests and the choice of an occupation, p.22.
Sukhomlyns'kyi, V.O. - Let heroic deeds arouse the children's hearts, p.25.
Lohinova, L.IE. - Observations and experiments as a source of student educational activities, p.33.
Draholi, L.D. - Problems of educational psychology in "The road to life; an epic of education" by A.S. Makarenko, p.37.
Rozenberg, M.I. - Programmed instruction and the prospects of its introduction, p.43.
Peshekhonova, V., Zavoloka, A. - Programmed instruction in foreign languages, p.48.
Reutova, S.H. - What do you mean by "working in a communist way"? p.52.
Druz', B.H. - Mathematical excursions in primary grades, p.55.
Myronov, M.M. - What we expect from competitive readers, p.56.
Kyrychuk, O.V. - Let's examine life, p.60.
Grading students in grades 1-4, p.61.
Hudym, P. - Seven meters, Three for oral composition, One mistake, p.65.
Matvilchuk, N. - Successful variation; IUrii Vsevolodovych, p.67.
Synyisia, I. - Is an insult forgotten soon? p.68.
Novos'olov, V.F. - Educational research workshop of a regional economic council, p.70.
IAs'ko, O.M. - Connection between instruction and productive work in production training workshops, p.74.
Rozdobud'ko, I.G. - Student production is evaluated collectively, p.78.
Hrynevych, H.D. - Some means of improving the student knowledge of mathematics, p.79.
Prus, I.T. - Some prerequisites for the efficiency of students' independent work in schools with longer hours, p.82.
Blahinin, M.T. - Preparation for and conduct of excursions, p.87.
Kertes, M.L. - School evening meetings and their role in the aesthetic training of grade 9-11 students, p.90.
Diachuk, O.S. - Training of future foreign language teachers needs detailed educational plans, p.94.
Uzhhina, Z.S., Sysoieva, O.V. - Use of motion pictures during lectures on pedagogics, p.98.
Kul'ianovych, M.L. - Textbook on the philosophy of Marxism-Leninism, p.100.
Chepurnyi, H.A. - Inculcating friendship and comradeship, p.101.
Havrylenko, O. - From communists to the Pioneers, p.101.
Cherpins'kyi, M. - Problems causing teachers' concern in Poland, p.102.
In the Ministry of Education of the Ukrainian S.S.R, p.105.
Novykova, L.S. - Anniversary conference, p.106.
Sobolev, L.I., and others. - Educational life of the republic, p.107.
For the consideration of our readers, p.111.

Vol.42, no.9, Sep. 1963.

Table of contents translated

Editorial Main task of schools is the training of new men, p.3
Khailo, P.I. - Let's raise the efficiency of educational work, p.10
Veksler, S.I. - Words are convincing, p.13.
Holovaniva's'kyi, Z.S. - Teaching a new course, p.17.
Ilykin, A.A. - Using the students' experience in life and production, p.20.
Minzberg, N.M., Fedorenko, P.S. - Visual aids in the social science classes, p.22.
Chepelev, V.I., Nesterenko, T.IA., Teslenko, I.F. - Pedagogical efficiency of the new system of classes, p.31.
Talyzina, N.F. - Urgent problems of programmed instruction, p.37.
Puhanov, V.P., Neven, A.A. - Control machine OM-1 p.45.
Maksymenko, R.O., Kobiakov, M.O. - And tomorrow there will be new frontiers, p.51.
Vasylenko, I.Z - Training of students in graphic and drawing skills, p.56.
Balabanov, L.I. - Circle for oral counting, p.58.
Olesiuk, L.M. - First graders go out into a park, p.60.
Mykhailova's'kyi, V.D. - There are no "secrets," only work, p.62.
Tkhorzhova's'kyi, D.O. - Connection between the study of metalwork and the general education of students, p.63.
Trubii, H.H. - New features in teaching foreign languages, p.70.
Honchar, IE.V., Chaikova's'kyi, V.D. - We train future mathematicians, p.76.
Dubyna, M.I. - How to organize an evening dedicated to Shevchenko in a school, p.79.
Kobyliats'kyi, I.I., Myrnyi, I.I. - Good traditions of pedagogical practice, p.86.
Mel'nyk, M.I. - A textbook should have good form and substance, p.88.
Shul'ha, M.S., Slyn'ko, E.I. - Electronic alarm device, p.91.
Zasukha, V.M., Horobets', O.I. - Demonstration stand, p.92.
Mashbyts', IU.I., Bondarovs'ka, V.M. - Main trends of programmed education abroad, p.93.
Zamkovyi, V. - For geography teachers, p.101.
Morhun, D. - Practice of "beacon lights" should be disseminated among all schools, p.102.
Leshchenko, P.IA. - Essay about a hero teacher, p.105.
Get acquainted with these books on the moral code of the builders of communism, p.105.

Kim, V. - Let us study and disseminate the progressive experience of the best prosecutors and investigators. p 64.
Gukovskaia, N. - Special methods of investigating the criminal offenses committed by minors. p 66.
Menescu, K., Solomon, B. - Public prosecutors of the Rumanian People's Republic are the guardians of socialist legality. p.69.
Kuranov, V. - Crime and punishment in America. p.73.
Nekrasov, IU. - The methods of those who teach. p.75.
Trofimova, Stella - Pistol No.2109 (conclusion). p.80.
Gurina, V., Zasukha, A. - If quantity is the most important objective p.87.
How public prosecutors supervise the observance of Soviet laws. p.89
IAmenfel'd, G. - Reinstatement of workers to their former positions in cases where their dismissal wasn't fair. p 91.
A conference of contributors to our periodical. p.93

SOVETSKAIA IUSTITSIIA [SOVIET JUSTICE]. Issued by Ministerstvo iustitsii and Verkhovnyi Sud RSFSR [Ministry of Justice and the Supreme Court of the R.S.F.S.R.]. Moscow, no.15, Aug. 1963.

Table of contents translated

Let us improve the forms of controlling the work of people's courts. p 1.
Baskov, V. - We should eliminate shortcomings in release on parole. p.3.
Anisimova, T. - We continue our struggle. p.6.
Uspenskii, V. - Let us promote public participation in the examination of commercial conflicts. p.8
Kandybina, T. - Excluding some items from liens on property. p.9.
Chernitskii, E., Zubanov, V. - Judicial errors in the imposition of penalty. p.11.
A decision of the plenary session of the Supreme Court of the U.S.S.R. p.13.
Burlakov, A. - The forms of care for and the worship of the children of detained and imprisoned persons. p.14.
Riabinskii, B. - Let us fully protect the interests of the shippers of goods. p.16
Dudnikov, S. - We should define the legal status of land reserved for pipeline transportation. p.17.
Shmarov, I., Tumanov, G. - Important factor in the prevention of recidivous crimes. p 19.
Maksimov, V. - Criminal responsibility for the abuse of administrative power. p.20.
Kontievskii, N. - Abridged distances. p.22
Makar'in, IU. - We should intensify our struggle against rowdyism. p.25.
TSelenko, P. - There is no reason to investigate such cases in courts. p.25.
Oltiana, O. - Arbitration commissions in revolutionary Cuba. p.26.
Pul'tanov, V. - English police and courts have intensified their repressions. p.27.
Discussing the textbook "Criminal law; special part." p.29.
Answering our readers' questions. p.30.
Not for imitation. p.31.
From the practice of notarial agencies. p.32.

No.16, Aug. 1963.

Table of contents translated:

Leninist methods in the work of Soviet courts. p.1.
New rules which regulate the examination of commercial conflicts in arbitration agencies. p.4.
Fedorov, F. - Liability for loss caused by the embezzlement and pilfering of socialist property. p.6.
Mushnikov, A. - Some difficulties in the trial of cases concerning the violation of forestry laws. p.8.
Pozubenko, I. - We should enact new housing laws for rural areas. p.9.
Blesin, V. - Closing speeches of defense lawyers in juvenile delinquency cases. p.10.
Mironov, L. - Struggle against criminal offenses is a problem of national importance. p.11.
Grishanin, P. - Criminal responsibility for violating the laws which regulate the carrying, keeping, producing, and selling of arms and explosives. p.13.
Simonov, A. - For the happiness of our people. p.15.
Tonkikh, V. - Golden rags. p.16.
Kuvylin, A. - Why doesn't the executive committee of our district show concern for fellow workers' courts? p.17.
Razumovich, N. - Antidemocratic laws in Argentina. p.18.
Discussing the textbook "Soviet criminal law; general part." p.21.
Decisions of the plenary session of the Supreme Court of the U.S.S.R. p.22.
Answering our readers' questions. p.26.
From the practice of notarial agencies. p.30.
Decisions of arbitration agencies. p.31.

No. 17, Sep. 1963.

Table of contents translated

More attention to the work of fellow workers' courts. p.1.
Sedugin, P. - Liability for injuries sustained while protecting socialist property. p.3.
Vorob'ev, G. - We should strictly observe the accused's right to have a defense counsel p.5.
Practice in the confiscation of houses, summer cottages, and other buildings constructed or bought on unearned income. p.7.
Urzhinskii, K. - Legal problems relating to the struggle against labor turnover. p.10
Gorokhov, I. - Some problems concerning the execution of judicial decisions p.12.
Eraksin, V. - Differentiation between robbery and other criminal offenses of the same type. p.14
Elimov, M. - Criminal responsibility for the production of low-grade, substandard, and deficient goods p.17.
Gorin, A. - The call of her heart p.19
Lesnoi, V. - Judicial system of the Democratic Republic of Vietnam. p.21.
Utkin, R - The U.S.A. and the German Federal Republic are at the forefront p.23.
IAkhnina, I. - We need more books on the work of people's assessors. p.24.
Decisions of the plenary session of the Supreme Court of the U.S.S.R. p.25.
Answering our readers' questions p.29.
Decisions of arbitration agencies. p.30.
From the practice of notarial agencies. p.31.
Not for imitation. p.32.

SOVETSKOE GOSUDARSTVO I PRAVO [SOVIET STATE AND LAW]. Organ of Institut gosudarstva i prava Akademii nauk SSSR [Institute of State and Law of the Academy of Sciences of the U.S.S.R.]. Moscow, no.10, Oct. 1959.

Table of contents translated

Work of the Committees for Legislative Proposals of the Soviet Union and the Soviet of Nationalities of the Supreme Soviet of the U.S.S.R. p.3.
"Basic Principles of the Labor law of the U.S.S.R. and the Union Republics." p.3
Assistance from the Soviet public is the decisive part of our efforts to ensure a strict observance of socialist laws. p.16.
Tashenev, Zh. - New legislative enactments of the Kazakh S.S.R. p.28.
Polack, K. - Ten years of the German Democratic Republic. p.36.
Paitulin, V.A. - Destruction of the state apparatus of the Kuomintang in China. p.47.
Romashkin, P.S., Zivs, S.L. - International Association of Legal Science should promote the ideas of peace and progress. p.60.
Raginskii, M.IU. - Placement in the custody of the Soviet public as a means of crime prevention and the rehabilitation of criminals. p.70.
Mitrichev, S.P. - Public participation in the pretrial investigation of criminal offenses. p.82.
Pronina, V.S. - Role of the Soviet public in the struggle against juvenile delinquency. p.89.
Kollin, A.D. - The 30th anniversary of the code of maritime laws of the Soviet Union. p.98.
Ring, M.P. - Civil law problems relating to the participation of workers and employees in the construction of residential buildings by industrial enterprises and governmental agencies. p.105.
Sevliklanis, G.S. - Guaranteed monetary remuneration of collective farmers for their work. p.113.
Turubiner, A.M. - Codification of forestry laws. p.115.
Savel'ev, M.S. - Practice in the levying of fines. p.116.
Bobotov, S.V., Sheino, E.F. - New criminal procedure code of France extends the jurisdiction of the police and restricts the rights of the individual. p.123.
Baglai, M.V. - The All-Union Conference on Labor Law. p.126.
Mucinieks, P.K., Tubenshliak, E.I. - A coordinating conference in Riga. p.134.
Sazonov, N., Nikolaev, B. - In the Faculty of Law of Rostov University. p.136.
TSimerman, IU.S. - Amendment of transportation laws. p.137.
Riabko, I.F., and others. - Current problems of Soviet constitutional law. p.139.
Munder, A.I. - A lesson to aggressors. p.142.
Dornberger, G., Posh, M. - Civil and economic law of the German Democratic Republic. p.147.
The most important legislative enactments of foreign countries, May-June 1959. p.150.
Current legal literature of the U.S.S.R., June-July 1959. p.155.

8. EDUCATION

a. GENERAL

AZƏRBAĬCHAN MƏKTƏBI [AZERBAIJANI SCHOOLS]. Organ of the Ministry of Education of the Azerbaijan S.S.R.]. Baku, no.6(191), Aug. 1963. [In Azerbaijani]

DOSHKIL'NE VYKHOVANNIA [PRESCHOOL EDUCATION]. Organ of Ministerstvo osvity URSR [Ministry of Education of the Ukrainian S.S.R.]. Kiev, vol.24, no.5, May 1963.

Table of contents translated:

Bondar, A.H. - Every collective and state farm should have preschool institutions. p.1.
Liakhov, M. - Great Slavic educator. p.6.
Bulatova, O. - International education. p.10.
Zhytnikova, T., Krasina, N. - Belles-letters in educational work with children. p.15.
Cherednychenko, N. - International education in a kindergarten. p 24.
Pochynok, M. - Excursions into a forest. p.28.
Shymanovs'ka, V. - Children of a preparatory group make wooden toys. p.30
Boiko, H. - Tongue twisters. p.33.
Antonova, V. - Grandfather and rabbits. p.34.
Aleksandrova, Z. - My little bear. p.36.
Braters'ka, S. - Construction of wooden articles. p.37.
Marko, M. - From Makarenko to children. p.42.
Nastekn, M. - "Twelve months." p.43.
Kravchenko, IE. - Who is right? p.45.
Shcherbakova, I. - Training of teachers by schools p.46.
Hol'dberh, S. - Conference of parents. p.47.

Vol.24, no.8, Aug. 1963.

Table of contents translated:

Our power is in communist ideology. p.1.
Nechaieva, V. - Work training in a kindergarten. p.5.
Aizykovych, R. - Age norms for the development of self-service habits in small children. p.12.
Novyts'ka, M. - Work with children who just entered a day nursery. p.21.
Zhachko, M. - Training in cultural and hygienic habits and self-service. p.23
Ivanova, V. - Children's creative play on a kindergarten lot. p.26.
Tarnova'ka, K. - Friendly meetings. p.31.
Boiko, H. - Summer morning. p.33.
Vasylev, Ivan. - Reynard the Fox got ill. p.34.
Pakhomenko, V. - End of a summer. p.36.
Zhyl'tsova, O. - Games for the development of speech analysis in the preparatory group children. p.38
Chornyl, V. - "Tomorrow we go to school." p.41
Trolan, H. - For children about nature. p.42.
Pereder, M. - Aids for preschool teachers. p.45.
In the Ministry of Education of the U.S.S.R. p.46

DOSHKOL'NOE VOSPITANIE [PRESCHOOL EDUCATION]. Issued by Ministerstvo prosveshchenila RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol.31, no.7, July 1963.

Table of contents translated:

Communist ideology is our weapon. p.1.
Friend and family advisor. p.6.
Grunenysheva, N. - Local committee in a kindergarten. p.9.
Smirnova, E. - Capacity of the combined preschool institutions. p.10.
Kolesnikova, A. - In order to give children a better training. p.12.
Kheifits, S. - Children's book as a work of art. p.15
Tlagnibidin, V. - Let's raise healthy children. p.17
Rusakova, E. - Children's clothing and shoes. p.18.
Press on preschool education. p.22.
In the Ministry of Education of the R.S.F.S.R. p.24
Liamina, G. - Development of speech and orientation in their surroundings in two-year old children. p.29.
Meshalova, N. - Continuity in the work of day nurseries and kindergartens. p.36.
Leont'eva, Z. - Work as a means of training. p.39.
Ershova, A. - Love for work. p.41.
Tamm, V., Fabrichnova, G. - Woodwork. p.43.
Trenina, V. - Let's teach them to love their hometown. p.50.
Sakharova, I. - Creativeness and inventiveness in ph p.51.
Igritskaia, M. - Play with sand and water. p.55.
Ogonovskaia, K., Gribovskaia, A. - Aesthetics of kindergarten life. p.58.
Gerasimov, V. - Useful insects. p.66.
Venger, L. - Development of perception in infancy a preschool childhood. p.69.
Stashkova, B. - Development of cognitive activity in small children. p.72.
Akhtamzian, Kh. - Against poorness and clichés. p.75.
Repin, IU. - Concern for the future. p.78.
Finkel'shtein, R. - Pedagogical skills. p.82.
Osipov, A. - Guard your children against religious intoxication. p.85.
Skel, M. - Don't ever forget it. p.88.
Azovskaia, L. - Now we are friends. p.90.
Perevezentseva, T. - First parents' conferences. p.91.
Kozhukhova, A. - How a loaf of bread grew up in the field. p.93.
Shlykova, G. - True educator. p.95.
Aleshina, A. - About our profession. p.100.

Denisov, B. - Art that we need. p.101.
Klykov, A. - Flying web. p.104.
Lebedeva, E. - Guard children's health. p.104.
Druz', I. - Take care, fire! p.106.
Popovskaia, L. - Enthusiasm in work. p.108.
Steslitskaia, A. - Let's give attention to Soviet toys. p.109.
What should not be. p.110.
G. L. - "May" and "may not". p.112.
Burmistrova, N. - After a grippe. p.113.
Razova, V., Boguslavskaia, V. - Word and imagery in children's poetry. p.114.
Aron, K. - First acquaintance. p.118.
Ivanova, A., Mishurtseva, V. - Aesthetic training in a kindergarten. p.123.

Vol.30, no.8, Aug. 1963.
Table of contents translated:

Matter of honor for every kindergarten. p.1.
Mlynek, A. - Forum of women from the whole world. p.4.
Frolova, K., Chernova, M., Nesterova, Z. - Contribution of the Soviet public to preschool education. p.7.
Ovchinnikov, S. - By a common effort. p.10.
Russanova, N., Liakhovskaia, IU. - We would like to tell about it. p.12.
Muzhelevskaia, L. - In Voronezh Province. p.13.
Akhtamzian, Kh. - Summer vacations. p.17.
Solov'eva, A. - Good people. p.19.
Stytsko, V. - In the Ministry of Education of the R.S.F.S.R. p.21.
Petrochenko, G. - Continuity between kindergarten and the first grade of a school. p.22.
Pollshkur, E. - Teaching to count. p.26.
Petriaeva, N. - We teach four-year-old children to count. p.35.
Shakh, G. - Construction and play. p.36.
Pupova, O. - We correct children's speech. p.41.
Shibaiova, I. - Talks and discussions with the senior-group students. p.43.
Ivanova, R. - Folk song in a kindergarten. p.46.
Shul'pina, E. - Exhibition of children's drawings. p.49.
Chebotarev, A. - "Brain reflexes" by I.M.Sechenov and his psychological views. p.51.
Durdzhelian, I. - Imagery of the Russian literary language. p.55.
Savich, E., and others. - Creative discussions are the main feature of a debate. p.58.
Kuz'mina, E. - Ways of pedagogical propaganda. p.75.
Babushkina, A. - Motion pictures in working with parents. p.76.
Timofeeva, M. - How I learned poetry. p.77.
Batkilina, D. - We need model institutions for children. p.78.
Nesvit, F. - In our district. p.79.
Bulgakov, V. - She works in Friendship street. p.80.
Gal'perina, I. - Master worker in education. p.83.
Becharova, V. - Thank you, Galina Ivanovna! p.85.
Sosnovskii, I. - My three friends. p.87.
Kossakovskaia, E. - New toys. p.91.
What should not be. p.94.
Zabludovskaia, E. - More on the usefulness of air. p.96.
Meetings with friends. p.100.
Razova, V. - Read it to your children. p.104.
Uspenskaia, A. - Children and adults in the tales of E.Tsiturupa. p.106.
Belarskaia, N. - For children about the past. p.107.
L'vova, V. - Gay folk games. p.110.
Karamanenko, T. - For the tiny ones. p.112.
Bugel'skii, IU. - "Zoological garden." p.114.

Vol.36, no.9, Sep. 1963.
Table of contents translated:

Kindergarten and school. p.1.
Leont'eva, Z. - Progressive practice in "Pedagogical lectures." p.3.
Korzakova, E., Zakharova, G. - "Pedagogical lectures" in Krasnoyarsk. p.5.
Dombrovskaia, A. - Methodological work in a kindergarten. p.7.
Vorob'eva, E., Samoylkina, I. - Stylish children's clothing. p.10.
IAnushevskaia, O., Fel'dshtein, D. - We train children through work. p.13.
Shumborskaia, V., Immamutdinova, A. - Work in the environment of nature. p.21.
Kuroclkina, V. - Service duties of children. p.26.
Shinkarenko, N. - Connection between kindergartens and schools. p.29.
Solov'eva, A. - The making of toys. p.32.
Dirko, V. - Acquainting children with construction work. p.34.
Nepomniashchaia, N. - Development of will. p.36.
Mesentiashin, I. - I.I.Sreznevskii on the preschool study of the Russian language. p.40.
Morozova, M. - Let's know and love Russian words. p.45.
Shinkarenko, I., and others. - We continue our discussion. p.47.
Darchinova, E. -Not only children need an education. p.72.
Bocharova, V. - Talent to love people. p.73.
Smelova, L., Gusarin, P. - Teacher and public figure. p.75.
Shpak, A. - Wholeheartedly. p.75.
Mozhaeva, E. - Homemade dolls. p.77.
Russkova, L. - Children should not be sent away from a kindergarten; Food for the workers of children's institutions. p.80.
Plakhtiurina, V. - Kindergartens should have methodological literature and visual aids. p.81.
Anna Il'inichna Zorina-Tarasova, obituary. p.82.
Eliseeva, L. - Voices of young poets for little children. p.84.
Osipov, M. - Through the eyes of the adults. p.87.
Mikhailova, L. - Festival dedicated to the Great October. p.90.

KUL'TURNO-PROSVETITEL'NAIA RABOTA [CULTURAL AND EDUCATIONAL WORK]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, vol.24, no.10, Oct. 1963.

NACHAL'NAIA SHKOLA [PRIMARY SCHOOL] Issued by Ministerstvo prosveshchenila RSFSR [Ministry of Education of the R.S.F.S.R.] Moscow, vol 31, no.9, Sep 1963
Table of contents translated.

Let's treat education, development and training uniformly. p.3.
Vasil'eva, M.S. - Training in Soviet patriotism is the most important task of schools. p.10.
Strunin, V. - To a new frontier. p.15.
Kazakova, A.A. - Instruction in reading p.23.
Sysoeva, A.A. - Play elements in reading and writing instruction. p.27.
Ageeva, Z.S. - Struggle against dialectal mistakes. p.32.
Tarasova, L.I. - Research on the knowledge of and skills in arithmetic. p.35.
Erdniev, P.M. - Studying addition and subtraction p.40.
Kotlagina, N.Z. - Aesthetic training during reading lessons. p.45.
Bogoiavlskaia, A.P. - Let's awaken the thinking of students. p.51.
Dobrovol'skii, A.E. - From the teacher's notebook. p.55.
Golubeva, T.S. - Let's organize a history lesson rationally and efficiently. p.57.
Lomeiko, V.F. - Development of the ability to jump in students. p.65.
Kopanev, M.D. - In a school with longer hours. p.68.
Vasil'eva, N.N., Rabinovich, L.I. - Teaching penmanship on one line in the first grade. p.73.
Antkina, T.D. - Organizing the work in a school with one or two teachers. p.78.
Kozenko, M.I. - All children can learn well. p.84.
Isakova, V.N. - Manual training. p.86.
Valer'ianova, E.A. - Daily observations of nature and work activities of man. p.88
Kollagin, IU.M. - Reorganization of the teaching of arithmetic in the fourth grade. p.90.
Utkina, N.G. - Urgent problems in teaching arithmetic. p.95.

PADOMJU LATVIJAS SKOLA [THE SCHOOL IN SOVIET LATVIA]. Issued by LPSR Izglitibas ministrija [Ministry of Education of the Latvian S.S.R.]. Riga, no.10, Oct. 1963. [In Latvian]

RADIANS'KA SHKOLA [SOVIET SCHOOL]. Organ of Ministerstvo osvity Ukrains'koi RSR [Ministry of Education of the Ukrainian S.S.R.]. Kiev, vol.42, no.5, May 1963.
Table of contents translated:

Khrushchev, N.S. - Carry out Il'ich's precepts in everything. p.3.
Republic-wide congress of progressive workers in student work brigades. p.4.
Appeal of the participants in the republic-wide congress of student work brigades to students of the Ukraine. p.5.
Andrlenko, L.V. - Enhance the glory of agricultural workers. p.7.
Stranchuk, M. - Brief news from the congress. p.12.
Sviechyn, K.D. - Let's train researchers from their childhood. p.14.
Boichenko, V.O. - In the avant-garde of pedagogical collectives. p.17.
Nevs'kyi, I.O. - Educational interests and the choice of an occupation. p.22.
Sukhomlyns'kyi, V.O. - Let heroic deeds arouse the children's hearts. p.25.
Lohinova, L.IE. - Observations and experiments as a source of student educational activities. p.33.
Draholi, L.D. - Problems of educational psychology in "The road to life; an epic of education" by A.S. Makarenko. p.37.
Rozenberg, M.I. - Programmed instruction and the prospects of its introduction. p.43.
Poshekhonova, V., Zavoloka, A. - Programmed instruction in foreign languages. p.48.
Reutova, S.H. - What do you mean by "working in a communist way"? p.52
Druz', B.H. - Mathematical excursions in primary grades. p.55.
Myronov, M.M. - What we expect from competitive readers. p.59.
Kyrychuk, O.V. - Let's examine life. p.60.
Grading students in grades 1-4. p.61.
Hudym, P. - Seven meters; Three for oral composition, One mistake. p.65.
Matvlichuk, N. - Successful variation, IUrii Vsevolodovych. p.67.
Synytsia, I. - Is an insult forgotten soon? p.69.
Novos'olov, V.F. - Educational research workshop of a regional economic council. p.70.
IAs'ko, O.M. - Connection between instruction and productive work in production training workshops. p.74.
Rozdobud'ko, I.F. - Student production is evaluated collectively. p.78.
Hrynevych, H.D. - Some means of improving the student knowledge of mathematics. p.79.
Prus, I.T. - Some prerequisites for the efficiency of students' independent work in schools with longer hours. p.82.
Blahinin, M.T. - Preparation for and conduct of excursions p.87.
Kertes, M.L. - School evening meetings and their role in the aesthetic training of grade 9-11 students. p.90.
Drachuk, O.S. - Training of future foreign language teachers needs detailed educational plans. p.94.
Uzhhina, Z.S., Sysoleva, O.V. - Use of motion pictures during lectures on pedagogics. p.96.
Kur'ianovych, M.L. - Textbook on the philosophy of Marxism-Leninism. p.100.
Chepurnyi, H.A. - Inculcating friendship and comradeship. p.101.
Havrylenko, O. - From communists to the Pioneers. p.101.
Cherpins'kyi, M. - Problems causing teachers' concern in Poland. p.102.
In the Ministry of Education of the Ukrainian S.S.R. p.105.
Novykova, L.S. - Anniversary conference. p.106.
Sobolev, L.I., and others. - Educational life of the republic. p.107.
For the consideration of our readers. p.111.

Vol.42, no.9, Sep. 1963.
Table of contents translated

Editorial Main task of schools is the training of new men. p.3.
Khailo, P.I. - Let's raise the efficiency of educational work. p.10
Veksler, S.I. - Words are convincing. p.13.
Holovanivs'kyi, Z.S. - Teaching a new course p.17.
Ilykin, A.A. - Using the students' experience in life and production. p.20.
Minzberg, N.M., Fedorenko, P.S. - Visual aids in the social science classes. p.22.
Chepelev, V.I., Nesterenko, T.IA., Teslenko, I.F. - Pedagogical efficiency of the new system of classes. p.31.
Talyzina, N.F. - Urgent problems of programmed instruction. p.37.
Puhanov, V.P., Neven, A.A. - Control machine OM-1. p.45.
Maksymenko, R.O., Kobiakov, M.O. - And tomorrow there will be new frontiers. p.51.
Vasylenko, I.Z. - Training of students in graphic and drawing skills. p.56.
Balabanov, L.I. - Circle for oral counting. p.58.
Olesiuk, L.M. - First graders go out into a park. p.60.
Mykhailovs'kyi, V.B. - There are no "secrets," only work. p.62.
Tkhorzhevs'kyi, D.O. - Connection between the study of metalwork and the general education of students. p.63.
Trubil, H.H. - New features in teaching foreign languages. p.70.
Honchar, IE.V., Chaikovs'kyi, V.D. - We train future mathematicians. p.76.
Dubyna, M.I. - How to organize an evening dedicated to Shevchenko in a school p.79.
Kobylats'kyi, I.I., Myrnyi, I.I. - Good traditions of pedagogical practice. p.86.
Mel'nyk, M.I. - A textbook should have good form and substance. p.88.
Shul'ha, M.S., Slyn'ko, L.I. - Electronic alarm device. p.91.
Zasukin, V.M., Horobets', O.I. - Demonstration stand. p.92.
Mashbyts', IU.I., Bondarovs'ka, V.M. - Main trends of programmed education abroad. p.93.
Zamkovyi, V. - For geography teachers. p.101.
Morhun, D. - Practice of "beacon lights" should be disseminated among all schools. p.102.
Leshchenko, P.IA. - Essay about a hero teacher. p.105.
Get acquainted with these books on the moral code of the builders of communism. p.105.

In the Ministry of Education of the Ukrainian S S R p 104

Il'inskii, I K - Republic-wide conference of young botanists and local historians p 112

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Bulletin [Ministry of Higher and Secondary Specialized Education. Bulletin] Moscow, no.10, Oct. 1963.

SEM'IA I SHKOLA [FAMILY AND SCHOOL], Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R. S. F. S R.]. Moscow, vol.18, no.5, May 1963.

Table of contents translated

Khrushchev, N.S. - Carry out the precepts of Il'ich in everything! p. 1

Zelenko, S - Let's be friends to older children! p 2

Polotilov, IU - Our children, the young Leninists p. 4.

Zhukhovitskii, Leonid. - The first time. p. 6

Savchenko, Georgii - Bouquet of eglantine. p. 8.

Rubinskii, L. - Self-education of an adolescent and parents p 11

Gorodinskaia, Nina - Notes of a wife and mother ... (to be continued) p. 13.

Trofimovich, G. - Paths that our children choose p 17

Zorin, Aleksandr. -Two poems. p. 18.

Noskov, IA. - Meetings with life p. 19

Trusov, V - Alenushka p 20.

Okunev, L - Misha left school.... p. 22.

Voronchuk, R - Walk. 23.

Chibisov, I , and others - Mail of "Sem'ia in shkola." p. 24

Music page. p. 30.

Grudtsova, O. - It is not instruction!.. p. 31.

For a family bookshelf p. 33.

Rostrum of enthusiastic public workers. p 33.

Lifshits, L - Factory or a combine. p. 37.

Kostygova, T. - Lizard that grows a new tail and a bear on three legs p. 38.

Elenskii, Gerard - Path to courage. p. 40.

For tots p. 42.

Zorin, V - Working in the garden. 43.

Zinov'ev, I - Are you getting ready to go south with your child? p 44.

Likhnina, N., Mordvinova, N. - Intestinal diseases in children. p. 45.

Litvinova, N. - We are preparing for summer together with our children! p. 46

Let's talk about language. p. 48.

Vol.18, no.6, Aug. 1963.

Table of contents translated.

Zagladi, N.G. - Word from a mother. p. 1.

Skvortsov, N. - The older and the younger ones. p. 4.

There was an interesting conversation. p. 5.

Shchipanov, Igor' - Most valuable present. p. 6.

IAkovlev, N., Perfil'evskaia, D. - So that there are no neglected children. p. 7.

Stepanova, M. - Let's prepare children for the fifth grade. p. 9.

Ravkin, Z. - Outstanding educator. p. 11.

Markov, V. - They became friends. p. 12.

Vasil'ev, M. - "Luk'ianov's structure." p. 14.

Borshchevskii, L. - Beyond the Arctic Circle. p. 17.

Vasil'chenko, K. - Alenka. p. 18.

Speranskii, G. - From one to three years. p. 20.

Tarasova, Elena - Meeting. p. 22.

Turbina, E. - About grandmothers. p. 24.

Riabinin, B. - Parents are the primary defendants. p. 25.

For tots. p. 28.

Editor's mail. p. 30.

Burmistrova, S. - Good luck to good books. p. 36.

Shakhidzhanian, V. - Introduction. p. 38.

Argunova, Nora - On warm earth. p. 38.

Silant'eva, V. - Fairy tale about colors. p. 39.

Il'in, P. - Not only about offsides. p. 40.

Sivokon', Sergei - On the threshold of a great mystery. p. 40.

Kalinin, IU. - Along the paths of radiowaves. p. 41.

Polozova, T. - On the island of eternal summer. p. 44.

Aleksandrov, B. - With a full basket! p. 46.

Litvinova, N. - Gifts of summer. p. 47.

Vol.18 no.9, Sep. 1963.

Table of contents translated.

Afanasenko, E. - Let's strive for new successes in the education and training of children! p. 1.

Kolesova, A. - Everyone should be approached individually. p. 2.

Ruvinskii, L. - How to overcome the psychology of a "C" student? p. 4.

Rives, IU. - Lights of Ekibastuz went on. p. 6.

Sharov, E. - Responsibilities, rights and trust. p. 10.

Lapin, Konstantin. - Let's respect the feelings of youth p. 11.

Vodop'ianov, Mikhail. - In the sky and on the earth. p 13.

Lipkina, A - Schoolwork of students p. 16

Panich, M. - What is simplicity itself. p. 17.

Shpreregen, G. - Homeland of heroes p. 20.

Genina, Marina. - According to her own wish p 22.

Barkov, Aleksandr - Novellas. p. 23

"If we want, life will triumph!" p 24

Editor's mail p 25.

Plisetskii, German - Childhood p 29

Raskatov, Mikhail - Vovik goes to school p. 30

Shakhidzhanian, V. - Where is the motion-picture eye? p. 33.

For tots p. 34.

Among books p. 36

Contribution of the science of psychology to the practice of education. p 41

Brief notes on various things. p. 42.

Aleksandrov, B - Golden autumn. p 43

Khononova, O. - Give special attention to adolescence! p 44.

Litvinova, N. - Amateur puppet theater p. 47.

SHKOLA I PROIZVODSTVO [SCHOOL AND INDUSTRY], Issued by Ministerstvo prosveshchenila RSFSR po voprosam trudovogo vospitanila politekhnicheskogo i proizvodstvennogo obrazovanila [Ministry of Education of the R. S. F. S. R. on Problems in Labor Training Through the System of Polytechnic and Industrial Education], Moscow, vol.7, no.9, Sep. 1963.

Table of contents translated

To the Central Committee of the CPSU, the First Secretary of the Central Committee of the CPSU and the Chairman of the Council of Ministers of the U. S S R, Nikita Sergeevich Khrushchev. p. 2

Afanasenko, E.I - Correct course p 4.

Ershov, V.N. - Our common task p. 10.

Demidov, N.N. - Brigades recruit their forces. p 16.

Dmitriuk, A.N. - Matter of state importance p. 17.

Lebedinskaia, K.F. - Let's train workers and fighters. p. 18.

Fateev, V.D. - Three-year plan of work training. p. 20.

Ponomarev, V.M. - Our personnel consists of school graduates. p 20

Andreev, A.A - Let's raise the level of production instruction p. 22.

Eremenko, K.K. - On collective and state farm assignments. p 23

Lisavina, A T - Man grows and matures. p. 24.

Boldin, V.M. - If you can look ahead. p 24.

Zumakulov, B.M - Ideological hardening of youth. p. 25.

Beigel'makher, E.Kh. - Collective farm workers should work carefully. p. 26

Ismagilov, R.S - Their work flows into the work of the republic. p. 27

Kuz'min, A.V. - Friendship between a school and a state farm. p. 28.

Moiseev, M.P. - Knowledge should be more thorough. p 29.

Zuev, D.D. - Only by a common effort. p. 30

Azizov, Z.Z. - This is our concern too. p. 31.

Glabai, P M. - Let's train machine operators. p. 32.

E.I Afanasenko, Minister of Education of the R.S.F.S.R., answers the questions of conference members p. 33.

V.N. Ershov, Deputy Minister of Agricultural Production and Procurement, answers the questions of conference members. p. 34.

Kochemasov, V.I. - Toward new successes in the training of youth. p. 35.

Zhidelev, M.A., Figanov, I.S. - System of work for the production instruction of students. p. 37.

Gimranov, M.V. - Methodology of the industrial training of turners. p. 42.

Rozenberg, M.I., Kriachuk, G.S - Work norms for students. p 47

Liberman, M Kh. - Training of students in the machinery industry. p 50

Sullerov, A.I - Conducting classes on the subject "Fertilizers." p 54

Ivanienko, I - Experimental work in a school. p. 57.

Gordienko, G.I. - Soilless growing of feed. p. 58.

Vorob'ev, A.I. Continuity in manual training. p.65.

Chernenko, N.A. - Planning of program material in the fifth grade. p 71.

Razdobud'ko, I.F. - Method of exercises in school workshops. p. 74.

Skuratov, A. - Admission to the institutions of higher learning p. 77.

Butylin, S.D. - Student work in a flower nursery. p 78.

Barteneva, V. - Competition of young rocket constructors. p 82.

Mochalov, P. - Manufacture of articles of one's own choice. p. 84.

Boborykin, L.IA. - Model of a walking excavator. p 85.

Sakharchuk, I.F. - Model for showing the measurement of the cutting angle. p 87.

Volokh, V. - Homemade leveling instrument. p. 88.

Lesin, E. - Making a single-row hand planter. p. 88.

Baranov, A. - Two devices for [illegible]

Bardinova, A., Troshin, A - Role of [illegible] struction in the training of students

Noteworthy dates in science and technol

SHKOLA-INTERNAT [BOARDING SCHOOL] [illegible]

Ministerstvo prosveshchenila RSFSR [illegible] Education of the R.S.F.S.R.]. Moscow, Aug. 1963.

Table of contents translated

Let's train staunch and passionate partisans of communism! p 1

The great Lenin's party. p. 5.

Makarenova, E. - The party teaches [illegible]

Morozova, V. - Let's implement ideological [illegible] first grade p 9.

Laine, O. - Flowers for Il'ich p. 10

Zabolotnova, A - Ideological training [illegible] p. 12.

Kut'ev, V. - Let's penetrate the student [illegible] p. 16.

Stozhanova, V. - The library and [illegible] and political life. p. 20.

Kasiutin, N., Vendrov, E. - Soviet [illegible] the best educators. p 24.

Kabanova, E. - Training in honesty and [illegible] p. 27

Borelko, N. - School radio. p. 30.

Pilipenko, V - Joint task of family and [illegible]

Drutman, O. - "Camp fire," a Pioneer [illegible] p. 34.

Dakaslian, U. - Main result is maximal [illegible] of students in their studies. p. 35.

Geim, V. - A longer school day without [illegible] p. 38.

Kostiashkin, E - A longer school day [illegible] future of general schools. p. 39.

Kuryndin, N. - More and more activities [illegible]

Pletnev, S. - Directional lines in ideological [illegible] educational work. p. 47.

Sakharov, B. - Independent work with [illegible] p. 51.

Organizing the research on work problems [illegible] schools and groups with a longer day. p. [illegible]

Minskin, E. - Games of movement [illegible]

Paporov, V. - How to work with "Pionerskaia pravda." p. 60.

Labunskaia, G., Efimova, A. - Turn [illegible] material. p 61.

Beloborodova, V. - New features in [illegible] p. 65.

Soloveichik, IA. - Milk products in student [illegible] p. 68.

Petrov, A. - Every boarding school should [illegible] reserve of its own funds. p. 71.

Klushnikov, V. - Holding their breath [illegible]

Fedorov, N. - Good book about Makarenko [illegible]

In the Ministry of Education of the R.S.F.S.R. [illegible]

Sharp weapon of youth. p. 78.

In the House of Children's Books. p. 79

SOVETSKAIA PEDAGOGIKA [SOVIET PEDAGOGY] Issued by Akademiia pedagogicheskikh nauk [illegible] [Academy of Pedagogical Sciences of the [illegible] Moscow, vol.27, no.8, Aug. 1963.

Table of contents translated

Let's intensify the role of natural [illegible] formation of students' world views. p. [illegible]

Brusnichkina, R.D. - Student training [illegible] logical. p. 10

Bobrovnikova, Z.P., Nemtsov, I.D. - Let's [illegible] the forms of extracurricular work in [illegible] p. 20.

Rozenberg, A.IA. - Worker collectives [illegible] educatory of senior-grade students. p. [illegible]

Bykova, G.G. - Causes of the origin and [illegible] tion of religious beliefs in adolescents [illegible]

Titkov, A.F - Community participation [illegible] vision of rural schools. p. 41.

Epshtein, D.A. -Secondary school technical [illegible] tional education in chemical occupations p. [illegible]

Moshchanskii, V.N. - Forming the dialectic [illegible] materialistic philosophy of senior-grade [illegible] in physics lessons. p. 56.

Lovitan, E.P. - Let's improve the teaching [illegible] omy in schools. p. 67.

Moroz, L.I. - Reorganization of the physics [illegible] evening schools. p. 73.

Volkovskii, A.N. - System of vocational [illegible] the eight-year school students. p. 79.

Korliakov, P.M. - Instruction as a method [illegible] training. p. 88.

Gandel'man, V.A. - Students organize a workers [illegible] faculty at a pedagogical institute. p. 94.

Homonnai, V.V. - Work of educators in People's Hungary. p. 101.

Il'ina, T.A. - Pedagogical basis of programmed instruction. p. 110.

Menchinskaia, N.A., Moro, M.I. - Results [illegible] of mathematical education in elementary [illegible] p. 121.

Sharov, IU.V., Gorlukhina, E.N., Shumeev, V.P. Aid for teachers. p. 133.

Prokop'ev, I I - Comments by master workers, survey of pedagogical literature published by the Voronezh Publishing House in 1962. p.136
Nikolaev, I L - Useful work p 139
Bellalov, Sh.B - Aid for atheistic education. p.141
New books of the Publishing House of the Academy of Pedagogical Sciences of the R.S F.S R p.141
Drozdov, L. - All-Russian congress on the production training of rural students. p.150
Kirsanov, I. - Conference on the vocational and technical training of students. p.153
Conference on the contents of a school course in physics p.154.
Kobylitskii, I.I. - Department of Education of Chernovtsy University. p 157.
Soviet educators in the Bulgarian People's Republic p.158.

SREDNEE SPETSIAL'NOE OBRAZOVANIE [SECONDARY SPECIALIZED EDUCATION], Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U.S.S.R.]. Moscow, vol. 10, no. 9, Sep. 1963.

Table of contents translated
Toward new successes in the current school year. p.1.
Zakharevich, G P - Teachers of the Ukraine activate the educational process. p 6.
Kineshemtseva, A.I. - In the technical schools of the Moscow City Economic Council. p.11
Borodach, G.A., Shatavin, IA.S - Social science study rooms are an important section of ideological work. p.16.
Ushatin V.S. - Let's raise the level of the world outlook in the teaching of specialized subjects. p.20.
Slinkov, E.D. - Always turn to the decisions of the party. p 22.
Brand, E.P. - Physical education is important. p.24.
Musnitskii, E.M. - Some special aspects of review lectures for correspondence students. p 30
Shabrov, B.M., Korolev, N.S., Zhuravleva, M.L. - Use of the practical experience of students in class. p.33.
Sviridov, A.N., Maslov, A P. - Excursions of evening school and correspondence students to production plants p.39.
A.K. - Creative work of a pedagogical collective. p.44.
Kochetkov, F.K. - Concept of historical materialism p.46.
Grinman, V. - Creative search. p.53
Pishchikov, I.O - Review of the textbook "Laboratory work in the organic chemistry course." p.58.
Nukus Agricultural School. p.60.
From the pages of the press p.62.
Follow-up on our articles. p.63.

TARYBINE MOKYKLA [SOVIET SCHOOL], Organ of Lietuvos TSR Svietimo ministerija [Ministry of Education of the Lithuanian S.S.R.]. Vilnius, no.10, Oct. 1963. [In Lithuanian]

VESTNIK VYSSHEI SHKOLY [REVIEW OF SCHOOLS FOR HIGHER EDUCATION]. Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U.S.S.R.] Moscow, vol.21, no.9, Sep.1963

Table of contents translated:
Polukhin, P.I. - New year and new tasks. p.3.
Bogoroditskii, N.P. - Let's train future-directed engineers. p.8.
Petrov, I.I. - Let's give our land specialists with a wide range of professional qualifications; curricula on the automation of industry. p.11.
Major chemical industrial complexes should have highly qualified personnel
Shvets, I.T., Pilipenko, A.T., Platnitskii, I.V. - For the improvement of the theoretical training of chemical engineers. p.16.
Belonogov, K.N., Sinotkin, G.D. - Chemical institutions of higher learning train technologists for the electronic industry. p.20,
Mustafaev, A.D. - We need engineers for the application of plastics. p.21.
Improvement of education without interrupting production:
Moiseev, S.V. - Organizing an effective correspondence department. p.23.
Davtian, G.G. - Student council is a great power. p.26.
Protasov, K.G., Kraskovskii, E.IA. - Let's reduce the amount of course projects. p.29.
Nadelnskii, B.P., Zav'ialov, A.S. - Not all problems are solved yet. p.30.
Golubev, V.P. - New physical education program. p.33.
Venikov, V.A. - Let's increase the efficiency of research. p.36.
Nikolaev, G.A., Reshetov, D.N. - Main trends of technical progress, materials of the expert committee of the Higher Certification Commission on Mechanical Engineering. p.40.
The scholar as an active partisan of technical progress, pledges of the collectives of Moscow institutions of higher learning p.46.
IAkovishin, V N. - Our international contacts are strengthening. p.47.
Domashenko, I A. - Training students for communal activities. p.49.
Fateev, I A. - Scientific and atheistic training is the task of the whole collective. p.51.
Methodology and methods of teaching are indissoluble' Lopata, P P. - For the high academic level of the educational process. p 53.
Mirovitskii, A.I., Riabov, K.M. - Let's teach students to think independently. p.56.
Muray'ev, A.M - Work of a seminar on methods. p.63.
Kravtsova, L.I. - Let's train good social science teachers p 65.
Oganov, N.K., TSatsorin, N.P. - In cooperation with industrial personnel. p 67.
Kouzov, N.A. - Laboratories for specialized subjects are equipped in a new way. p.70
Turbin, B.I., Shepelev, B Z. - Visual aids in teaching theoretical mechanics. p.72.
Erkin, A.M. - Demonstration of a discharge in gases. p 74.
Shchelkunov, M.V , Rapava, A.B. - Contribution of institutions of higher learning to teachers. p.75.
Fedorov, A.S. - Aleksei Nikolaevich Krylov; hundredth anniversary of his birth p 77.
Inculcating the methods of the theory of similarity and modeling in the scientific and academic work of institutions of higher learning. p.85
Maev, O.V. - Development of the technical institutions of higher learning in India. p.86.
Rumania has set up a council on the problems of higher education. p.89.
Facts and figures. p.89.
Rozen, B.IA., Mishina, E.T. - Aids for practical exercises on general chemistry. p 90.
Musabekov, IU.S - What students use in studying the history of chemistry. p.94.

b PHYSICAL EDUCATION & GAMES

LEGKAIA ATLETIKA [TRACK AND FIELD ATHLETICS]. Organ of TSentral'nyi sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol.9, nos.8(99), 10(101), Aug., Oct. 1963.

SHAKHMATNYI BIULLETEN' [CHESS BULLETIN]. Organ of Shakhmatnaia federatsiia SSSR [Chess Federation of the U.S.S.R.]. Moscow, vol.9, no.10, Oct. 1963.

SHAKHMATY [CHESS]. Issued by Soiuz sportivnykh obshchestv i organizatsii and Shakhmatnaia federatsiia Latviiskoi SSR [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S.S.R.]. Riga, nos.14(88), 18(90)-19(91), July, Sep.-Oct. 1963.

SPORTIVNAIA ZHIZN' ROSSII [SPORT LIFE IN RUSSIA]. Organ of Vserossiiskii sovet Soiuza sportivnykh obshchestv i organizatsii [All-Russian Council of the Association of Sports Societies and Organizations]. Moscow, vol.7, nos.7,10, July, Oct. 1963.

TEORIIA I PRAKTIKA FIZICHESKOI KUL'TURY [THEORY AND PRACTICE OF PHYSICAL CULTURE]. Organ of TSentral'nyi sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol.26, no.8, Aug. 1963.

Table of contents translated:
To live and to fight in Lenin's manner. p.1.
All-Union review of the Soviet physical culture movement. p.7.
Salute to the Third Spartakiada of the peoples of the U.S.S.R. p.12.
Sunik, A.B. - Thirty-fifth anniversary of the First All-Union Spartakiada. p.13.
Demeter, G.S. - Lenin's ideas as a source of the development of the Soviet system of physical education. p.18.
Ul'rikh, E.S., Dorofeev, V.F., Traubach, E.K. - Initial training of young boys in the technique of college rowing. p.23.
Zatsiorskii, V.M., Godik, M.A. - Basic factors of training for the decathlon. p.27.
Romanova, L.S. - Change in the ketone content of blood in elderly people with atherosclerotic cardiosclerosis. p.30.
Gorokhovskii, L.Z. - Characteristics of the formation of twists. p.33.
Verkhalo, IU.N., Kiselev, IU.IA. - Reflexometer with a plane screen and a device for studying the speed of motor reactions in athletes. p.37.
Terekhova, M.F. - Educational significance of sports traditions. p.40.
Nikolaeva, A.S. - Activities of the sports club at the State Optical Equipment Plant. p.44.
Feigin, S.L. - Concerning the problem of physical culture and professional (industrial) work. p.49.
Lazurka, P.K. - Calisthenics at the textile combine Rigas Audums. p.52.
Mokhov, I.P. - Improve gymnastics in school. p.54.
Chikin, S.IA. - Racism and the physical development of man. p.56.
Sokolov, A.A. - First conference of the socialist countries on sports medicine. p.59.
Bugrov, N.N. - Soviet athletes' struggle for world championship in sports during the completion of the building of socialism in the U.S.S.R. (1946 - 1958). p.63.
Danilov, K.IU. - Classification of exercises on the trampoline. p.67.
Roman, R.A. - Analysis of the movement of the crossbar in completing the jerk and lift to the chest. p.72.
Ivaskevicilene, J., Zeleznikiene, V., Gobikas, Z. - Mechanic dynamometer MD-1. p.75.
Vinogradova, L.G. - A valuable study. p.76.
Vozilo, A.A. - Practical research conference on physical education, sports, medical control and medical physical culture. p.77.
Rules of the All-Union contest for candidates to the Olympic team of the U.S.S.R. p.78.

9. MUSIC, THEATER & MOTION PICTURES

a. MOTION PICTURES

ISKUSSTVO KINO [CINEMA ART], Organ of Ministerstvo kul'tury SSSR and Soiuz rabotnikov kinematografii SSSR [Ministry of Culture of the U.S.S.R. and of the Association of Cinematographic Workers of the U.S.S.R.]. Moscow, vol.33, no.8, 1963.

Table of contents translated
Chukhrai, Grigorii, and others - Place of the artist in the battle of ideas Soviet motion-picture employees respond to the Central Committee of the Party with creative work. p.1.
Krfachko, Larisa - When a "quest" is nothing more than a pseudonym of banality. p.12.
Dunskii, IU., Frid, V. - There once lived an old man and an old woman, a scenplay. p.17.
Kapralov, Georgii. - ...But life departs from the film. p.69.
Gurevich, L. - How they clip wings. p 75.
TSimbal, S. - Cain's kingdom.... p.79.
Sukharevich, V. - At any price. p 81.
Levshina, Inna - Small wheel of history. p 83.
Slavin, Konst. - Encroachment upon life. p.86.
Drobashenko, S. - A thought and its embodiment. p 91.
Ignat'eva, N. - About a strong spirit p.92.
Tolchenova, N. - Motion-picture actors on the stage. p.94.
Kapel'gorodskaia, Nonna, Trifinichenko, Nikolai. - Mr. Berest, you are lying! p.96.
Del', D. - Remembering the thirties..., p.101.
Sul'kin, M. - Performance in a rural club. p.107.
Maevskii, B. - Third virgin land. p.110
Basmanov, A. - Moscow is a stone's throw.... p 113.
Rozen, S - Shagalova speaks in a deep voice. p.114.
Polonskii, I. - What a motion-picture projectionist is. p.115.
From the editor. p.117.
Reactionary conceptions of modern bourgeois aesthetics in motion pictures. p.120.
Vaisfel'd, I. - Art at the forefront. p.129.
On the screens of the world p.137.
In foreign magazines. p.143.
From everywhere. p.147.
Correspondence with readers and movie-goers. p.152.
Motion-picture schedule. p.155.

KINOMEKHANIK [MOTION PICTURE OPERATOR]. Issued by Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.]. Moscow, no.10, Oct. 1963.

SOVETSKII EKRAN [THE SOVIET SCREEN]. Organ of Ministerstvo kul'tury SSSR and Soiuz rabotnikov kinematografii SSSR [Ministry of Culture of the U.S.S.R. and the Union of Motion-Picture Workers of the U.S.S.R.]. Moscow, no.19(163), Oct. 1963.

TEKHNIKA KINO I TELEVIDENIIA [MOTION-PICTURE AND TELEVISION ENGINEERING]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.]. Moscow, vol.7, no.9, Sep, 1963.

Table of contents translated:
Goldovskii, E.M., Tel'nov, N I. - Use of theater television systems as a means for expanding the network of motion-picture theaters in the U.S.S.R. p.1.
Antipin, M.V. - Evaluating the quality of the television picture. p.7.

Modestov, B. N. - Investigating the brightness detail measuring characteristics of films processed by the reversal method. p. 14.
Carles, J. - Noise and impurities of magnetic tapes and ways for their control. p. 21.
Zhuravlev, V. M. - Some remarks concerning the spectral analysis of noises. p. 25.
Lapauri, A. A. - Pay more attention to the wide screen. p. 30.
Berlin, N. I., Tsukkerman, I. I., Sherstnev, I. D. - Transistorized smoothing filters with a cathode-follower circuit. p. 33.
Vivier, J. - Technology at the service of art in French motion pictures. p. 41.
Television systems are taught to identify simple contour drawings. p. 50.
Rychka, V. L. - Reducing the discernibleness of the frequency carrier oscillations in color television systems. p. 54.
Evnevich-Chekan, O. V. - Method for obtaining stable color-difference signals E'R - E'Y, E'B - E'Y in the coding system of color television. p. 60.
Blaude, G. V. - On the occasion of the 25th anniversary of electronic television broadcasting in the Soviet Union. p. 63.
Kaganovich, L. IA. - From the editor's mail. p. 69.
Persidskii, L. N. - Attachment for the "Komas-Avtomat" motion-picture camera. p. 70.
Avilov, G. V. - Methods for applying magnetic sound tracks to narrow films. p. 72.
Abstracts section. p. 79.
Cosmonauts visit the Central Television Studio. p. 91.
International conference on scientific motion pictures. p. 92.
Polish television equipment. p. 93.
New developments in the television industry of the German Democratic Republic. p. 94.
Multiple-camera method for making television films. p. 95.

b. MUSIC

LETOPIS' MUZYKAL'NOI LITERATURY [CHRONICLE OF MUSICAL LITERATURE], Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no. 3, 1963.

MUZYKAL'NAIA ZHIZN' [MUSICAL LIFE]. Organ of Soiuz kompositorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U. S. S. R. and the Ministry of Culture of the U. S. S. R.]. Moscow, vol. 6, nos. 19-21, Oct.-Nov, 1963.

c. THEATER

KHUDOZHESTVENNAIA SAMODEIATEL'NOST' [AMATEUR ART ACTIVITIES], Issued by Vsesoiuznyi TSentral'nyi Sovet Professional'nykh Soiuzov [All-Union Central Council of Trade Unions]. Moscow, vol. 7, nos. 9-10, Sep.-Oct. 1963.

SOVETSKAIA ESTRADA I TSIRK [SOVIET STAGE AND CIRCUS]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U. S. S. R.]. Moscow, vol. 7, nos. 1(70), 3(72), July, Sep. 1963.

TEATRAL'NAIA ZHIZN' [LIFE OF THE THEATER], Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R. S. F. S. R.] and others. Moscow, no. 19, Oct. 1963.

10. FINE ARTS

a. GENERAL

KHUDOZHNIK [ARTIST]. Issued by Soiuz khudozhnikov RSFSR [Association of Artists of the R. S. F. S. R.]. Moscow, vol. 6, no. 10, 1963.

LVOV, UKRAINS'KYI DERZHAVNYI MUZEI ETNOGRAFII TA KHUDOZHN'OHO PROMYSLU. Materialy z etnografii ta mystetstvoznavstva [UKRAINIAN STATE MUSEUM OF ETHNOGRAPHY AND THE ART INDUSTRIES. Materials on Ethnography and Art]. Kiev, no. 7/8, 1962.

Table of contents translated:

Makarchuk, S. A. - New features of the mode of workers' life in Transcarpathia. p. 3.
Malanchuk, V. A. - New traits in the culture and mode of life of the collective farmers in the Sokal' District of Lvov Province. p. 21.
Vas'kiv, V. P. - Socialist changes in the mode of life of the workers in Yasenov village, Oleshko District, Lvov Province. p. 31.
Sidorovych, S. I. - Ornamental composition of Ukrainian folk weaving in the 19th and early 20th century. p. 39.
TSaryk, Z. M. - Folk ornament in the graphic decoration of books. p. 72.
Harasymchuk, R. P. - Boiko variants of Russian, Czech, Polish, Hungarian, and German dances. p. 90.
Mateiko, K. I. - Historiography of the ethnographic studies in the Boiko region. p. 136.
Koval'skii, M. P. - Dissemination of the use of traction tillage implements on the farms in Volyn' in the early 20th century. p. 152.
Zholtovskyi, P. M. - Dictionary and reference book of the artists who worked in the Ukraine in the 14th to the 17th centuries. p. 189.
Mateiko, K. I., Fihol', D. I. - The riches of the national culture must be utilized in contemporary life. p. 233.

SOVETAKAN ARVEST [SOVIET ART], Issued by Ministerstvo kul'tury Armianskoi SSR [Ministry of Culture of the Armenian S. S. R.]. Erivan, no. 9, 1963. [In Armenian]

SOVETSKOE FOTO [THE SOVIET PHOTO]. Issued by Soiuz zhurnalistov SSSR [Association of Journalists of the U. S. S. R.]. Moscow, vol. 23, no. 5, May 1963.

Table of contents translated:

Create for the people building communism. p. 1.
An art close and intelligible to the people. p. 3.
Arnaev, Marat. - Photographic art of the Northern Caucasus. p. 4.
"Our day" photographic contest. Results summarized. p. 6.
Aleksandrov, A. - First All-Union. p. 8.
Another year of work. p. 14.
Korenev, A. - Good tradition. p. 15.
Koriakov, O. - Ural pathfinder; Ivan Tiufiakov's work. p. 18.
Our interviews. p. 23.
Germas, A. - From a newspaper photographer's notebook: With the forest heroes. p. 25.
Khukhlaev, Valentin - In the new and free Africa. p. 28.
Linares, Christotal Pascual. - Here Cubans relax. p. 31.
Vedenov, A. - How to determine the best exposure. p. 32.
We answer readers. p. 34.
Zhukov, A., Pollanskii, N. - Turret for the "Kvarts" camera. p. 34.
Vorob'ev, V. - Precise focusing of the enlarger. p. 36.
Follow-ups. p. 37.
Il'in, R. - Bias lightening and darkening in full exposure. p. 38.
Through the pages of foreign magazines. p. 39.
Agokas, N. - Color laboratory for the amateur photographer. p. 40.
From everywhere. p. 42.
Photographic contest on the subject "The protection of nature, everybody's concern." p. 44.
Vlasov, S., Danilochkin, A. - Our claims. p. 44.
With amateur Hungarian photographers. p. 45.

TVORCHESTVO [CREATIVE WORK]. Issued by Soiuz khudozhnikov SSSR [Association of Artists of the U. S. S. R.]. Moscow, no. 10(82), 1963.

b. ARCHITECTURE

ARKHITEKTURA SSSR [ARCHITECTURE OF THE U. S. S. R.]. Organ of Akademiia stroitel'stva i arkhitektury SSSR and Soiuz arkhitektorov SSSR [Academy of Construction and Architecture of the U. S. S. R. and the Association of Architects of the U. S. S. R.]. Moscow, no. 5, 1963.

Table of contents translated:

Urgent problems facing Soviet architecture. p. 1.
Borovoi, V., Balanovskii, L. - New type of experimental large-panel apartment house. p. 3.
Diubek, L., Naumova, N. - Planning principles of a building. p. 8.
Shapiro, B. - Elements of an experimental building. p. 9.
Solov'ev, S., Aleksandrov, IU. - Plastic domes. p. 10.
Motulevich, A. - Light-deflecting glass for the illumination of industrial buildings. p. 16.
Nefedov, S., Vinogradov, R. - Multipurpose agricultural buildings. p. 18.
In the creative commission of the rural construction administration of the Architects' Union of the U. S. S. R. p. 25.
Cherkasov, M. - Regional planning in large economic regions. p. 30.
Shaufler, G. - Vehicular and pedestrian routes in a residential district. p. 37.
Regame, S., Bocharov, IU. - Planning a new city on Apsheron Peninsula. p. 41.
New residential districts of Moscow. p. 42.
Platonov, IU., Rannev, V. - Plan of the building of a research institute in Riga. p. 44.
Alizade, G. - Open-air theater in Baku. p. 47.
Simbirtsev, V. - Notes on housing construction in Hungary. p. 49.
Kaizer, I. - The "Kosmos" motion-picture theater in Berlin. p. 50.
Vlasiuk, A., Shcherbo, G. - Work on the history of building practices. p. 61.
Brief news. p. 63.

EHITUS JA ARHITEKTUUR [CONSTRUCTION AND ARCHITECTURE], Issued by ENSV Ministite Noukogu Riiklik Ehituse ja Arhitektuuri Komitee [State Committee of the Council of Ministers of the Estonian S. S. R. for Construction and Architecture]. Tallinn, no. 1, 1962. [In Estonian]

11. LANGUAGE, LITERATURE & FOLKLORE

a. LANGUAGE

AKADEMIIA NAUK TURKMENSKOI SSR, Ashkhabad, Institut iazyka i literatury. Trudy [ACADEMY OF SCIENCES OF THE TURKMEN S. S. R. Institute of Language and Literature. Transactions]. Ashkhabad, no. 3, 1959.

Table of contents translated:

Baskakov, A. N. - The gerund and its syntactic functions in the Turkic languages of the southwestern group. p. 5.
Tachmuradov, T. - Means of expressing the category of possession in Turkmen. p. 25.
Khudaikuliev, M. - Structural types of onomatopoetic words and their characteristics. p. 43.
Khamzaev, M. - Connecting compound-coordinated clause in Turkmen. p. 54.
Atadzhanov, M. - Morphologic characteristics of nouns in the Salyr dialect of Turkmen. p. 79.
Mukhtiev, Kh. - Some phonetic characteristics of Bokhur dialect of Turkmen. p. 94.
Shamuradov, K. - System of consonantal sounds in the western speech of the Yomut dialect (consonantism). p. 110.
Kurenov, S. - Some phonetic characteristics of the dialect of the North Caucasian (Stavropol) Turkmens. p. 154.
Karryev, M. - Seidi, poet and patriot of the Turkmen people. p. 178.
Karryev, K. - Reflection of the collectivization of agriculture in B. Korbabaev's works. p. 193.
Talmov, A. - Basic literary characteristics of B. Korbabaev's novel "Decisive step." p. 207.
Kurbansakhatov, M. - Poems by Rakhmed Seidov. p. 240.
Charyev, N. - A. Kekilov's literary works written during the Great Patriotic War. p. 267.

INOSTRANNYE IAZYKI V SHKOLE [FOREIGN LANGUAGES IN SCHOOLS]. Issued by Ministerstvo prosveshchenila RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, no. 4, July-Aug. 1963.

Table of contents translated:

Let's follow Lenin's course. p. 2
Gorelov, I. N. - Some principles of methodology. p. 5.
In anticipation of the August conferences. p. 15.
Gez, N. I. - Some problems of the elementary stage of teaching. p. 20.
Strodt, L. M. - Relation between the development of oral speech, reading and writing during the teaching of the German language in the fifth grade. p. 36.
Roizenblit, E. B. - French language textbook for the ninth grade. p. 42.
Gez, N. I. - German language textbook for the ninth grade. p. 48.
Zarubin, B. E. - English language textbook for the ninth grade. p. 53.
Stegmanis, A. - Self-education of teachers. p. 58.
Foreign language aids for evening (staggered) schools. p. 59.
Aids for the oral introductory course. p. 60.
Tables for oral speech exercises. p. 63.
Tables for the development of oral speech in the fifth grade. p. 67.
Introductory oral course in the practice of Ryazan teachers. p. 69.
Adler, R. M. - Teaching the English language in grade 11. p. 73.
Gzhaniants, E. M., Kriachun, N. P., Sheinina, V. I. - Methods of work on technical lexicology. p. 82.
Pivovarova, L. A. - Topics for the development of oral speech. p. 88.
Lependin, V. M., Faidiuk, V. M., Shcherbak, IU. I. - Foreign language study room. p. 95.
Shiuts, A. E. - Using songs in German language classes. p. 105.
Telliants, T. A. - Interesting exhibition. p. 109.
Markova, A., Rogacheva, M. - By a common effort. p. 110.
Foreign language material for course work. p. 113.

KEEL JA KIRJANDUS [LANGUAGE AND LITERATURE]. Issued by Eesti NSV Teaduste Akadeemia and Eesti NSV Kirjanike Liit [Academy of Sciences of the Estonian S. S. R. and the Association of Writers of the Estonian S. S. R.]. Tallinn, vol. 6, no. 10, Oct. 1963. [In Estonian]

MOSCOW MOSKOVSKII GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT INOSTRANNYKH IAZYKOV Mashinnyi perevod i prikladnaia lingvistika [MOSCOW STATE PEDAGOGICAL INSTITUTE OF FOREIGN LANGUAGES Machine Translation and Applied Linguistics] Moscow, no. 2(9), 1959

Table of contents translated:

Objectives of applied linguistics in the light of the seven-year plan for the development of the national economy in the U. S. S. R. p. 1.

Kulagina, O. S. - Operator description of translation algorithms (to be continued). p. 6.

Frumkina, R. M. - Some problems in the compilation of word-frequency dictionaries. p. 23.

Nikolaeva, T. M. - Determining the aspect of Russian verbs with the aid of context during machine translation. p. 38.

Marchveliani, A. P., Tamarashvili, L. R., Chikoidze, G. B. - Processing prefixes during machine analysis of the Georgian language. p. 45.

Melkumian, M. - Word-forming suffixes of the Armenian language within the confines of mathematical literature. p. 54.

Mel'chuk, I. A. - "International key for translation" by M. Gabor. p. 59.

Uspenskii, B. A., Uspenskii, V. A. - Syntax patterns in English studied by electronic computer (from "Computers and Automation," no. 7, 1957). p. 70.

Brief news. p. 74.

Bibliography. p. 77.

UKRAINS'KA VILNA AKADEMIIA NAUK, Seriia: Nazvoznavstvo [UKRAINIAN FREE ACADEMY OF SCIENCES, Series: Onomastica]. Winnipeg, no. 22, 1961, no. 25, 1963.

VOPROSY FILOLOGII [PROBLEMS OF PHILOLOGY] Moscow, no 1, 1962

Table of contents translated

Anfilof'ev, A. A. - Grammatical and lexical-stylistic characteristics of a direct transitive verb combined with a noun without an article in modern French, formations such as "faire part." p. 3.

Belova, T. G. - Some types of constructions with the conjunctions "comme" and "que" in modern French. p. 18.

Dubrovskaia, S. A. - Synonymic means of expressing intent in modern German. p. 30.

Zhel'vis, V. I. - Classification of the types of connectives between the immediate components of a compound connective sentence in modern English. p. 58.

Il'ish, L. G. - Some means of expressing causal relations in modern German, based on E. M. Remarque's novel "On the western front without change." p. 64.

Kartasheva, N. A. - Methods of introducing and reviewing vocabulary in advanced courses of night school in higher educational institutions with the aim of developing oral-speech habits. p. 102.

Pechernikova, E. M. - Two syntactic structures in the language of German folk tales, based on the tales of the brothers Grimm. p. 109.

Stepanov, IU. S. - Sentence patterns in the history of language. p. 131

Stepanov, IU. S - Syntactic conversion in French. p. 139

Khadeeva-Bykova, A. A. - Place of comprehensive reading in studying a foreign language. p. 145.

Khadeeva-Bykova, A. A. - Infinitive of purpose in modern Swedish. p. 151.

Khlebnikova, I. B. - Theories of mood in modern English. p. 174.

Shal'nova, N. E. - Stylistic possibilities of word order in German, based on the works of L. Feuchtwanger. p. 187.

Shishkanova, M. I. - Usage of corroborative pronouns in the function of personal pronouns in modern English. p. 212.

b LITERATURE & FOLKLORE

ALA-TOO, literaturno-khudozhestvennyi i obshchestvenno-politicheskii zhurnal [ALA-TAU; Literary and Socio-political Magazine], Organ of Soiuz pisatelei Kirgizii and Ministerstvo kul'tury Kirgizskoi SSR [Association of Writers of Kirghizia and the Ministry of Culture of the Kirghiz S. S. R.]. Frunze, vol. 32, nos. 9-10, Sep. -Oct. 1963. [In Kirghiz]

ALTAI; literaturno-khudozhestvennyi i obshchestvenno-politicheskii al'manakh [ALTAI; Literary and Socio-political Almanac]. Barnaul, no. 3(22), 1962.

ANGARA; literaturno-khudozhestvennyi i obshchestvenno-politicheskii al'manakh [ANGARA; Literary and Socio-political Almanac]. Organ of Irkutskoe otdelenie Soiuza pisatelei RSFSR [Irkutsk Branch of the Association of Writers of the R. S. F. S. R.]. Irkutsk, no. 4(57), Oct. -Dec. 1962.

AZERBAĬCHAN [AZERBAIJAN]. Organ of Soiuz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan]. Baku, nos. 8-10, Aug. -Oct. 1963. [In Azerbaijani]

BAIGAL [BAIKAL]. Ulan-Ude, no. 4, July-Aug. 1963. [In Buryat]

DAL'NII VOSTOK [FAR EAST]. Organ of Khabarovskoe otdelenie Soiuza pisatelei RSFSR [Khabarovsk Branch of the Association of Writers of the R. S. F. S. R.]. Khabarovsk, vol. 31, no. 5, Sep. -Oct. 1963.

DILA [MORNING]. Issued by TSentral'nyi komitet leninskogo kommunisticheskogo soiuza molodezhi Gruzii and Respublikanskii sovet organizatsii iunykh pionerov im. V. I. Lenina [Central Committee of the Lenin Communist Youth League of Georgia and the Republic Council of Lenin Pioneers]. Tiflis, no. 10, Oct. 1963. [In Georgian]

DON. Organ of Rostovskoe oblastnoe otdelenie Soiuza pisatelei RSFSR [Rostov Province Branch of the Association of Writers of the R. S. F. S. R.]. Rostov-on-Don, vol. 7, no. 10, Oct. 1963.

DRUZHBA NARODOV [FRIENDSHIP OF PEOPLES]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U. S. S. R.]. Moscow, no. 10, 1963.

KAROGS [THE BANNER]. Issued by Latvijas padomju rakstnieku savieniba [Association of Writers of Latvia]. Riga, no. 11, Nov. 1963. [In Latvian]

LIETUVOS TSR AUKSTUJU MOKYKLU MOKSLO DARBAI; LITERATURA. Nauchnye trudy vysshikh uchebnykh zavedenii Litovskoi SSR; Literatura [STUDIES BY THE INSTITUTIONS OF HIGHER LEARNING OF THE LITHUANIAN S. S. R.: LITERATURE]. Vilnius, vol. 6, 1963.

LITERATURA I ISKUSSTVO NARODOV SSSR I ZARUBEZHNYKH STRAN, bibliograficheskii biulleten' [LITERATURE AND ART OF THE PEOPLES OF THE U. S. S. R. AND FOREIGN COUNTRIES, Bibliographical Bulletin]. Issued by Vsesoiuznaia knizhnaia palata and Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury [All-Union Book Chamber and the All-Union State Library of Foreign Literature]. Moscow, no. 5, 1963.

LITERATURA V SHKOLI [LITERATURE IN SCHOOLS]. Organ of Ministerstvo prosveshchenila USSR [Ministry of Education of the Ukrainian S. S. R.]. Kiev, vol. 24, no. 5, Sep. -Oct. 1963.

LITERATURNAIA ARMENIIA [LITERARY ARMENIA]. Organ of Soiuz pisatelei Armenii [Association of Writers of Armenia]. Erivan, nos. 9-10, Sep. -Oct. 1963.

LITERATURNAIA GRUZIIA [LITERARY GEORGIA]. Organ of Soiuz pisatelei Gruzii [Association of Writers of Georgia]. Tiflis, vol. 7, nos. 8-9, Aug. -Sep. 1963.

LITERATURNYI AZERBAIDZHAN [LITERARY AZERBAIJAN]. Organ of Soiuz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan]. Baku, vol. 21, no. 9/10, Sep. -Oct. 1963.

LITERATURNYI KIRGIZSTAN [LITERARY KIRGHIZISTAN]. Organ of Soiuz pisatelei Kirgizii [Association of Writers of Kirghizia]. Frunze, vol. 9, no. 3(51), July-Sep. 1963.

LOOMING [CREATIVE WORK]. Issued by Eesti NSV Kirjanike Liit [Association of Writers of the Estonian S. S. R.]. Tallinn, no. 10, Oct. 1963. [In Estonian]

MOLODAIA GVARDIIA, literaturno-khudozhestvennyi i obshchestvenno-politicheskii zhurnal [YOUNG GUARD; Literary and Sociopolitical Magazine]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 8, Aug. 1963.

MOSCOW, UNIVERSITET. Vestnik. Seriia 7: Filologiia, zhurnalistika [UNIVERSITY Review. Series 7: Philology, Journalism]. Vol. 18, no. 4, July-Aug. 1963.

Table of contents translated:

Our weapon is party character p. 3.

For high ideals of literature and art. p. 10.

Mikhailovskii, B. V. - Sources of modern abstractionism in painting and literature. p. 23.

Zaitsev, V. A. - Traditions of the revolutionary poetic word. p. 41.

Duvakin, V. D. - Unrevealed texts of Maiakovskii's "windows." p. 52.

TSybenko, E. Z. - Boleslaw Prus and Russian literature. p. 62.

Kotova, N. V. - Meaning of expressions; according to materials of a Bulgarian dialect. p. 71.

Gorshkova, K. V. - Methods of studying literary monuments as sources of the phonetic history of Russian. p. 81.

Ushin, P. F. - Esenin's poetry in Russian criticism p. 88.

Sokolov, A. G. - Raise the academic and ideological-theoretical standards for training philologists p. 97.

Ojanen, Sirkka - First book on Russian-Finnish cultural relations. p. 103.

NA RUBEZHE [AT THE FRONTIER]. Issued by Soiuz pisatelei Karel'skoi ASSR [Association of Writers of the Karelian A. S. S. R.]. Petrozavodsk, vol. 21, no. 5, Sep. -Oct. 1963.

NEMAN [NEMAN RIVER]. Organ of Soiuz pisatelei BSSR [Association of Writers of the White Russian S. S. R.]. Minsk, vol. 16, no. 5, Sep. -Oct. 1963.

NEVA. Organ of Soiuz pisatelei RSFSR and Leningradskoe otdelenie Soiuza pisatelei [Association of Writers of the R. S. F. S. R. and the Leningrad Branch of the Association of Writers]. Leningrad, no. 9, 1963.

NISTRUL [DNIESTER RIVER]. Organ of the Association of Soviet Writers of the Moldavian S. S. R. Kishinev, vol. 32, nos. 9-10, 1963. [In Moldavian]

PERGALE [THE VICTORY]. Organ of Lietuvos TSR tarybiniu rasytoju sajunga [Association of Soviet Writers of the Lithuanian S. S. R.]. Vilnius, no. 11, 1963. [In Lithuanian]

PUNALIPPU [THE RED BANNER]. Issued by the Association of Soviet Writers of the Karelo-Finnish S. S. R. Petrozavodsk, vol. 20, no. 5, 1963. [In Finnish]

RADIANS'KE LITERATUROZNAVSTVO [SOVIET LITERARY REVIEW]. Organ of Instytut literatury im. T. H. Shevchenka Akademii nauk URSR and Spilka pis'mennykiv Ukrainy [Shevchenko Institute of Literature of the Academy of Sciences of the Ukrainian S. S. R. and the Association of Writers of the Ukraine]. Kiev, vol. 7, no. 3, May-June 1963.

Table of contents translated:

Unswerving adherence to the party and the people. p. 3.

Volyns'kyi, K. P. - Notes on the Ukrainian prose of 1962. p. 9.

Levchenko, M. O. - Paths of the Ukrainian novel. p. 30.

Syvachenko, M. IE. - Leonid Hlibov and Ivan Andrushchenko, a member of the "Land and liberty" underground organization. p. 52.

Verves, H. D. - Problems discussed in I. Franko's Polish tales. p. 64.

Kyrchiv, R. F. - Problems of Ukrainian literature discussed in the Polish periodicals and newspapers of the first half of the 19th century. p. 83.

Honcharuk, H. M. - "Literaturna mis'" discusses the problem of Bulgarian literary contacts with the Soviet Union. p. 95.

Dubyna, M. I. - Stepan Masliak. p. 99.

Bernshtein, M. D. - O. I. Bilets'kyi's unknown study on successive periods in the history of Ukrainian literature. p. 111.

Del, O. I. - Recently found lines from "Moses," a poem by I. Franko. p. 134.

Sakhnovs'kyi-Pankiiev, V. O. - Artist and his time. p. 137.

Derkach, B. A. - Old manuscripts and early printed books. p. 139.

Popov, G. M. - Soviet literature in Bulgaria. p. 146.

Aizenshtok, I. IA. - Bibliography of Shevchenko bibliographies. p. 142.

Bielialeva, L. V. - Books on the history of Ukrainian literature published in 1962. p. 147.

Polotai, A. M. - New manuscripts acquired by the T. H. Shevchenko Institute of Literature. p. 151.

Mandryka, M. L. - "Bibliography of the literature on T. H. Shevchenko's life and work." p. 153.

Work of the T. H. Shevchenko Institute of Literature of the Academy of Sciences of the Ukrainian S. S. R. p. 154.

Rotach, P. P. - Memorial rooms in Poltava Province. p. 155.

Pikkilev, I. O. - The 23d All-Union Conference on N. A. Nekrasov. p. 155.

Orlyk, P. I. - P. K. Volyns'kyi's 70th birthday. p. 156.

M. P. - The 12th Conference on T. H. Shevchenko. p. 157.

Vol. 7, no. 4, July-Aug. 1963.

Table of contents translated:

Alekseieva, N. V. - "Simplicity" or "complexity?" p. 3.

Minchyn, D. M. - Maiakovskii and Ostap Vyshnia. p. 17.

Havrylenko, O. O. - Maiakovskii's life in Kherson Province. p. 20.

Zasenko, O. IE. - New phase in the study of prerevolutionary Ukrainian literature. p. 30.

Radchenko, IE. IE. - Creative development of a poet. p. 43.

Kukhalashvili, K. P. - Militant and impassionate social and political writings. p. 56.

p 116

Syr[illegible], M.I. - [illegible] and Ivan Andrushchenko's book "[illegible] Liberty" [illegible] p 116

Zil[illegible], O.I. - [illegible] literature in Czech [illegible] p 120

Ovs[illegible], I.I. - Correspondence between Shevchenko and [illegible] literature and archival [illegible] p 93

Sokhan'uk, K.M. - Pavlo Morachevs'kyi's "Wicked people and the literary works of revolutionary propaganda in the 1870's p 101

K[illegible], M.I. - [illegible] characteristics of Ukrainian literature of the [illegible] 1905-1907 p 112

Sulima, I.A. - Instructive story of motion pictures p 129

Lavro, I.V. - [illegible] works in six volumes by Mykhailo Petrushevych p 131

Sokyr, P.I., Tsyb'ulko, V.I. - Some thoughts about the [illegible] of our time p 136

Orlov, P.I., Kravtsov, P.P. - First book about IE. Hrebinka p 138

Shalimov, I.S. - Orthodox traditions p 140

Svyatovets'kyi, O.F. - The features of provincial conjectures p 142

Rud'ko, M.D. - A new approach to the history of Ukrainian literature p 145

Sokol, Irena - Taras Shevchenko among the Czechs and Slovaks by Mykhailo Mol'nar p 147

Trufanov, K.K. - History of Lusatian literature p 149

Lobay, V.P. - A conference in Kherson p 152

L.K. - An interuniversity conference in Odessa. p 152

I.I. - A Ukrainian conference devoted to G. Skovoroda p 153

B.L. - Another session in Lesia Ukrainka's homeland p 153

O.S. - A Ukrainian conference devoted to Lesia Ukrainka's literary work p 154

Dzyuba, B. - Literary research in Kiev University p 155

Fal'ko, Yu.H. - A session of T.H. Shevchenko Institute of Literature of the Academy of Sciences of the Ukrainian S.S.R. p 156

Latins'kyi, V.H. - Literary research in Lvov University p 156

Bortsova, I.O. - Materials on Russian contacts with the Slavic peoples of Eastern Europe p. 156.

Kuz'menko, O.P. - A conference of our readers. p 157

Vol 7, no 5, Sep.-Oct 1963

Table of contents translated

Butina, Yu.S. - The voice of the [illegible] p 3

Zub, I.V. - The fable as a literary form of our time. p 13

Krutikov, M.E. - National and international features of Soviet literature p 30

Fastchenko, V.V. - T. Shevchenko tradition in the work of A. Dovzhenko p 48

Kasparov, A.A. - Ilia Chavchavadze and the Ukraine p 55

Bass, I.I. - Some remarks on the literary craftsmanship of I. Franko's prose works p 60

Bitsolli, I.H. - Ivan Franko as the editor of the periodical "Literaturno-naukovyi visnyk." p. 74

Trofymak, S.M. - I. Franko's creative contacts with A. Erushalmets'kyi p 84.

Lankovs'kyi, Il'Z. - Ivan Franko and the Russian fictionists of the 1880's p 91

Vlasenko, V.O. - "The Kurdashev family," a tale by I.S. Nechui-Levyts'kyi p 107

Litvin, Z.IA. - When men are supplanted by symbols p 114

Efimov, V.V. - A.V. Lunacharskii on the poetry of Demian Bednyi p 127.

Komarnits'kyi, M.F. - A little-known poem by V. Sosiura. p 131

Rud'ko, M.D. - Soviet literary works reprinted by West Ukrainian newspapers and periodicals, 1921-1939 p 132

Riznychenko, T.M. - The pen name "Ukrainka" in A.I. Hertzen's periodical "Kolokol." p. 139.

Kogan, A.B., Lebedyns'kyi, V.V., Tots'kyi, I.N. - Struggle for the new man p 142

Dorchyk, V.H. - A few words about an argumentation p 144.

Doroshenko, V.O. - History of Soviet Ukrainian satire p 147.

Mizepa, N.R. - Studies on the poetry of the 1930's. p 150.

Oliinyk, V.P. - Literary style of a Ukrainian humorist p 152.

Kovtoniuk, H.V., Trettiachenko, T.H. - The Sixth All-Union Conference devoted to M.IU. Lermontov p. 155.

A conference on the study of manuscripts. p 155.

Preparations for the celebration of the centenary of M.M. Kotsiubyns'kyi's birth. p 156.

Fal'ko, IU.H. - Discussing the humanity of the Soviet arts. p 157.

K[illegible]dryts'kyi, IE.M. - The 80th birthday of a historian of Ukrainian literature. p 158

Moroz, L.Z. - Defense of a dissertation. p. 158

SHARK IULDUZI [STAR OF THE EAST], Organ of the Association of Soviet Writers of Uzbekistan. Tashkent, vol. 31, no. 9, Sep. 1963. [In Uzbek]

SOVET ĔDEBIIATY [SOVIET LITERATURE], Organ of Soiuz sovetskikh pisatelei TSSR [Association of Soviet Writers of the Turkmen S.S.R.]. Ashkhabad, no. 9, Sep. 1963. [In Turkmen]

SOVETSKAIA PECHAT' [SOVIET PRESS], Issued by Soiuz zhurnalistov SSSR [Association of Journalists of the U.S.S.R.]. Moscow, no. 5, May 1963.

Table of contents translated:

Adzhubei, A. - The party's weapons. p. 1.

Zagiada, Nadezhda. - My friends, the journalists. p. 11.

Borisov, G. - Ideological work and life; a newspaper survey p 13.

Roads beckoning afar. p. 16

IAshchenko, I. - Springtime of work. p. 18.

Motorina, A. - At the heart's command. p. 20

Going to the construction site. Statements by participants in the press club p 21

Kosar', A. - And try it yourself. p. 26.

Rozanov, A. - Way to the newspaper. p. 32.

Kagarlitskii, Vladlen. - A call from "Pravda." p. 34.

Rovenko, Arkadii. - A day at Radio House. p. 36.

Sagal, G. - On the other side of the blue screen. p. 40

Mikhailov, B. - Your friend, the book p. 42.

Great event in the ideological life of the party. p. 46

Flor, Salo. - I d2-d4. p. 48.

Antonov, S. - The gay Czech p. 50.

Pronin, P. - To the hearts of millions p. 54.

Davydov, L. - The dollar dictates. p. 58.

Prokop'ev, V. - British monopolies at the microphone, p. 60.

Kostiukov, I. - Operation for shortening a tail. p. 62.

No. 7, July, 1963.

Table of contents translated

Our fighting program. p. 1.

The Fourth Plenum of the Directing Body of the Union of Journalists of the U.S.S.R. p. 5.

Uschaev, K. - New measures for new work. p. 13.

Deviat'iarov, N. - Bringing to light the beauty of the Soviet person. p. 15.

Days that thrilled the world. p 17.

Peskov, V. - Earthly and heavenly. p 21.

Sixtieth anniversary of the second Congress of the Russian Social Democratic Party, the flame ignited by a spark. p. 25.

Gudimov, A. - The roads go on and on .... p. 27.

Piradov, L. - The author went to the reader. p 31.

Luk'ianov, L. - Wait to turn on the tape recorder! p. 35.

Adam, V. - Pages from a talking notebook. p. 38.

Podoprikhin, S. - "Sharp lens." p. 39.

Muravenko, V. - The way leads that way to the North. p 40.

Kamenetskii, E. - His life is like a song .... p. 45.

Varov, K. - Life, work, and reflection. p. 47.

Books written by journalists. p. 49.

Less, A. - Islands of "Izvestiia." p. 50.

Letters to the editor. p. 52.

Cabrera, Luis Rolando - Our hearts remain with you! p. 55.

Vol'nov, L. - A journey of more than 14,000 kilometers. p. 58.

No. 8, Aug. 1963.

Table of contents translated

Evamination of the economy. p. 1

Nazarov, I. - In a family of friends and brothers. p 4.

It's our job. p. 7.

Mezentsev, S., Mitrofanov, I. - Yes, publicity is a powerful force! p. 12.

Shcherbakov, M. - Under the rays of a searchlight. p. 15.

Volkov, V. - Contact! There is contact. p. 17.

Vysokoostrovskii, L. - Give me your hand, comrade! p. 18.

Mamleev, D. - Learn while teaching. p. 25.

Kudenko, O. - A day 108 hours long. p 28.

Sergeichuk, K. - Technology of the air. p. 31.

Krutov, F. - One-sided "reciprocity." p. 32.

Shatskikh, E. - Semiluki at the microphone. p. 33.

Vikhrev, A. - Humoresque a stylish hair-do. p. 34.

Zaslavskii, I. - The young and well-known generation p. 36.

Pekhtelev, I. - ... But the tree of life grows splendidly green. p. 38.

Sokolov, I. - ... Only the editors. p. 40.

Zakrutkina, L. - Second profession. p. 42.

Kotsens, E. - From simple to complex. p. 42.

Malluganov, V. - Satirists of Buryatia. p. 44.

Riabov, V. - Let's compile a book about journalists in the war. p. 45.

Liul'skii, R. - Aesthetics of the newspaper page. p. 46.

Khariton[illegible], A. - People with [illegible] p 47

Books written by journalists p 50

Letters to the editor. p 49

Burkov, B. - International solidarity [illegible] p. 51.

Siklósi, N. - Journalists helping [illegible]

Potapov, N. - People helping the [illegible]

Ol'gin, L. - Two "S's." p. 59

Mirov, L. - A carrot is not a potato

No. 9, Sep. 1963.

Table of contents translated

Journalist at the microphone. p. 1

Vasil'ev, V. - Queen of [illegible] p. 4

Khurin, M. - Pulse of the [illegible]

Raspevin, A. - Time does not [illegible]

The future belongs to them, to youth! [illegible]

Varustin, L. - Man in the [illegible]

Solov'ev, A. - Those who met the [illegible]

Sudachkov, A. - Both shoulder [illegible]

Lazebnikov, A. - The people's [illegible] p 11

Levchenko, V. - It shines forth, [illegible] and its name. p. 37.

Nikolaev, N. - The mailman [illegible]

Sagal, G. - Effective control. p 19

Vaisman, M. - Narva lights. p 19

The founders of scientific communism [illegible] p. 44.

Baluev, B. - Two books about [illegible]

Books written by journalists. p. 47.

Shkol'nik, M. - Lenin's newspaper [illegible] p. 48

Letters to the editor. p. 50.

Tkachenko, A. - Work glorifying [illegible]

IAsnev, IU. - Through Japan with [illegible]

Mikhailov, G. - In a distorting mirror [illegible]

Lavrent'ev, E. - Family circle [illegible] lord." p. 59.

Khoraev, L. - Conflict. p. 61

No. 10, Oct. 1963.

Table of contents translated

Khrushchev, N. - Serve the only [illegible] time. p. 1.

Tarabankin, K., IAntrachev, G. [illegible] paper. p. 2.

Gorelik, B. - Is this the style of [illegible]

Kamenetskii, E. - There is still [illegible]

Aleksandrov, I. - The voice of [illegible] p. 12.

Criticism. Where is it? p. 13.

Belokon', A. - At an advance post [illegible]

Drobyshevskii, V. - Reach everybody! [illegible]

Laulik, Heino. - Guests of fishermen [illegible]

Mikhailov, A. - First book about N. [illegible]

Books written by journalists. p. 12

Letters to the editor. p. 43.

Radzhabli, A. - Chronicle of our life. [illegible]

Under the flag of unity. p. 48.

Siklósi, N. - Tradition and modernity [illegible]

Gombo, Pal. - Fascinating professions [illegible]

Kulikov, V. - Falsehood on the air. [illegible]

Domrachev, A. - Easy money of the [illegible] p. 58.

Abdullina, Emine. - Outpoling persons [illegible]

To the heart of a soldier. p. 22.

Beliaev, V. - The job isn't done just [illegible] p. 24.

Sagal, G. - Life and the blue screen [illegible]

Melik-Pashaev, Sh. - The journalist in [illegible] p. 27.

Volkov, V. - On a "gay" wave. p. 29

Roskoshnyi, A. - Rising strength. p. 31

Potlakov, P. - Why the guide remains? p. 35

Gurov, L. - Predilection. p. 36.

Branch of the "Pravda" Combine. p. 38.

Lapil, V. - How did the "water" get into [illegible] p. 39.

Vysokoostrovskii, L. - In hostage of [illegible]

SUCHASNIST'; Literatura, mystetstvo, [illegible] [OUR TIME; Literature, Art, and [illegible] Munich, vol. 3, no. 10(34), Oct. 1963.

SURAN' TOLT; Literaturno-khudozhestvennoe [illegible] stvenno-politicheskoi zhurnal [SURA Literary and Sociopolitical Magazine], Issued by [illegible] ASSR-n' pisatelen' soiuzo' [Association of Writers of the Mordovian A.S.S.R.]. Saransk, [illegible] July-Aug. 1963. [In Mordovian]

VITCHYZNA [OUR COUNTRY], Organ of [illegible] nykiv Ukrainy [Association of Writers and [illegible] Kiev, vol. 31, nos. 9-10, Sep.-Oct. 1963.

VOPROSY LITERATURY [PROBLEMS OF LITERATURE], Organ of Soiuz pisatelei SSSR and Institut mirovoi literatury Akademii nauk SSSR [Association of Writers of the U.S.S.R. and the Institute of World Literature of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 8, Aug. 1963.

Table of contents translated

Life is the source of creativity! p. 3.

Kedrina, Z. - Man, contemporary, citizen [illegible] p. 5

Ozerov, L. - Always anew! (remarks of [illegible] p. 51.

For party and national character of Soviet literature. p 71
Dymshits, A. - Principles of ideological attack p.79
D'iakonova, N. - Aesthetic views of Keats p 91
Vertsman, I. - Dialectics overcome the system, problems of literature in the aesthetic views of Hegel p.104.
Il'inskii, L - Self-sacrifice which didn't occur. p 131.
Koleski, V. - Bulgarian literature "in the American fashion." p.139.
Kuleshov, V - Interaction of literatures and the literary process. p 144.
Guliaev, N - Literature and the education of the new man. p.155.
Tatulko, A - For a realistic approach p 160
Chanyshev, A - Whom are we preparing? p.163.
Baranov, V. - Teach creativity p 164.
Academic profoundity, independence, skill, review of letters sent to the editor. p.166
Voitinskaia, O - Becoming familiar with the theme of our times. p.172
Lapshin, M. - A book about books. p 176.
Makarovskaia, G - True principle and annoying infringements. p.183
Pakalniškis, R - Friendship of literature. p.187
Parkhomenko, M. - Study of Shevchenko at a new stage. p 193
Deich, A. - Lesia Ukrainka in the reminiscences of her contemporaries. p.209
Dikanukhametov, R. - Paths of the Bashkir poem p.213
Livshits, L. - Work of the writer. p 216.
Bugrov, B. - In a simplified manner about something complex. p.220
Elistratova, A. - "Mark Twain is an active volcano!" p 224
Maksimova, V - The book as an assistant. p.228.
Arantsev, B. - Why do they collect books? p.230.
Chudakova, M. - Without allowances. p.232.
Lomagina, M. - First test of a Gogol' seminar p.234.
Elagina, I - Chronicle of his life. p 235
Lileeva, I - Poets of the revolution. p.237.
Gulia, G. - Uncarthly stories p.240
Goytisolo, J. -Spanish prescriptions. p.242
Reiser, S. - Ampest? p 244.
Abramov, V., Barannikova, E , Brechneva, T. - In the footsteps of an anniversary. p.244.
Zigzags of style. p.246.
Brief news p.248.

Vol. 7, no. 9, Sep. 1963.

Table of contents translated.

Shcherbina, V. - Artist, realism, time; M. Gor'kii and some problems of modern literature. p. 3.
Mikhailov, Al. - Hit the target! (remarks on publicist lyrics). p. 23.
Mirsnikov, A. - Problems of socialist realism in the first volume of "Theory of literature." p. 41.
Lukhachev, D. - Work which must be continued. p. 54.
Pospelov, G. - "Modern historical poetics." p 61
Dmitrieva, N. - Structure of the image. p. 71.
Gural'nik, U. - Advocates and adversaries of screening. p. 78.
Solov'ev, G. - In the struggle for a "party of the people" in literature. p. 97.
Dymshits, A. - Frank Kermode's tales. p. 123.
Nikoliukin, A. - Psychography as a "new method" for the study of literature in the United States. p. 126.
Mendel'son, M. - Hell on earth and William Faulkner. p. 129.
Elin, S. - Social work of the writer. p. 156
Breskin, F. - Problems of literature in the periodical "Presence Africaine." p. 160.
Hint, A. - An idea and its embodiment. p. 164.
Wells, H. - The incredible in daily life. p. 171.
Slavatinskii, N. - Remarks about a portrait. p. 177.
Putintsev, V. - The self actress Kuz'mina. p. 190.
Bakst, E. - Unknown letters written by N. A. Nekrasov. p. 195.
Seleznev, K. - Eleonora Marx and literature. p. 199.
Abramov, A. - Lessons of Malakovskii. p. 205.
Kamianov, V. - Truth of the times. p. 209.
Gusev, V. - Legibility is necessary. p. 213.
Karpov, A. - Benefits of literacy. p. 216.
Parkhomenko, M. - Young literature of socialist realism. p. 222.
Apresian, G. - Concrete analysis versus a scheme. p. 224.
Mashinskii, S. - On the road to broad generalizations. p. 230.
Kutcishchikova, V. - As seen by Guatemalan Indians. p. 233.
Elistratova, A. - Panorama with "darkness." p. 236.
Brief news. p. 242.

ZHOVTEN' [OCTOBER]. Organ of Spilka pys'mennykiv Ukrainy [Association of Writers of the Ukraine]. Lvov, vol. 13, no. 10, Oct. 1963.

ZHULDYZ [STAR]. Issued by Soiuz sovetskikh pisatelei Kazakhstana [Association of Soviet Writers of Kazakhstan]. Alma-Ata, no. 10, Oct. 1963. [In Kazakh]

ZNAMIA [THE BANNER] Organ of Soiuz pisatelei SSSR [Association of Writers of the U. S. S. R.] Moscow, vol. 33, no. 9, Sep. 1963

Table of contents translated

Simonov, Konstantin. - Soldiers are made, not born, a novel (to be continued). p. 3
Rylenkov, Nikolai. - Miniatures, verse. p. 72.
Tikhonov, Nikolai - Flame of Ossetia; from the cycle "Pages of reminiscences." p. 75.
Kurochev, Grigorii. - Letters from the road, verse. p. 94.
Snegova, Irina. - From verse about Armenia. p. 97.
Polevoi, Boris. - Sayan notes (to be continued). p. 99.
Brumel', Valerii. - Conquering the heights. p. 130.
Lench, Leonid, and others. - Arrival and departure on the same day, a travel sketch (to be continued). p. 151.
Novikov, V. - Heroic art for a heroic time (to be continued). p. 176.
Makarov, A. - Right to inspiration. p. 186.
Mikhailov, Al. - A new bridgehead is needed! p. 200.
Prikhod'ko, Vladimir. - "...Our song was born of purity." p. 204.
Kutorga, Z. - Coming from the people and going to the people.... p. 207.
Fomenko, Lidiia. - Something new about Dostoevskii. p. 210.
Grinberg, I. - Poetry of criticism. p. 212.
Naumov, E. - Roll call of the times. p. 217.
Kornilova, G. - Road to undiscovered lands. p. 219.
Mitin, G. - Life of the heart. p. 221.
Gordon, A. - New day of Tajik poetry. p. 222.
Kuznetsova, G. - Sun and earth. p. 223.

ZVEZDA VOSTOKA [STAR OF THE EAST]. Organ of Soiuz pisatelei Uzbekistana [Association of Writers of Uzbekistan]. Tashkent, vol. 31, no. 9, Sep. 1963.

12. GEOGRAPHY & GEOLOGY

a ETHNOLOGY

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut istorii. Materialy po etnografii Gruzii [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Institute of History. Materials on the Ethnography of Georgia] Tiflis, no. 12/13, 1963.

Table of contents translated

Bibliography of G. S. Chitaia's published works p. 17
Abesadze, N. N. - Manufacture of silk fabrics in Georgia. p. 85
Rukhadze, Dzh. A. - Farm buildings in the Rachin-Lechkhumi region and Svanetia. p. 99
Leklashvili, A. S. - Georgian winepresses. p. 111
Ochiauri, T. A. - Architecture of the new dwellings in Adigeni. p. 125.
Topuriia, N. S. - "Zedashe," the wine for ritual offering. p. 157.
Nahodil, Otakar - Visiting the Georgian ethnographers p. 175.
Banatianu, Tancred. - Activities of the Folk Art Museum of the Rumanian People's Republic. p. 179
Robakidze, A. I. - Ethnological structure of the settlements in Balkaria p. 187.
Brentjes, B - Gazelles and antelopes as forerunners of domestic animals in the ancient Orient p 199.
Chkhikvadze, G. Z. - Historiography of Georgian folk music. p. 215.
Mamaladze, T. S. - The calendarial ritual song "Chona" (Easter glorification). p 237
Azamatova, M. Z. - Documents on the agriculture of the Bzhedukhi. p. 251.
Meretukov, M - Marriage rites of the Abadzekhi. p. 261.
Gagloeva, Z. D - Cattle raising among the Ossetes in the past, keeping and care p. 271.
Gvakharia, V. A. - Historic relation between the Georgian and North-Caucasian folk music. p. 281.
Magometov, A. - Vakhushti on Ossetia and Ossetes. p. 291.
Tsitsosani, V. I. - Dwellings and farm buildings in the Trialet Range. p. 301.
Kvezereli-Kopadze, I. I. - Georgian river crossings. p. 319.
Chibirov, L. A. - The hearth in Ossetic homes. p 349.
Chachashvili, G. A. - Georgian-Adyge ethnographic parallels in folk weaving. p. 361.
Dzhatabadze, G. V. - Banners of the Tiflis guilds. p. 381.
Dzhavakhishvili, G. N. - Formation of the present-day labor supply in the Tkibuli coal industry. p. 403
Tolstov, S. P - "Ancient religious beliefs and ritualistic graphic art of Georgian tribes" by V. V. Bardavelidze. p. 423.

AKADEMIIA NAUK SSSR. Institut etnografii. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Institute of Ethnography. Transactions]. Moscow, vol. 82, 1963. Antropologicheskii sbornik [Anthropological collection], no. 4.

Table of contents translated:

Abdushelishvili, M. G. - Anthropological composition of the present-day population of Armenia. p. 3,
Alekseev, V. P. - Anthropological data on the origin of the population of the central foothills of the Caucasus. p. 28.
Ismagulov, O. - Anthropological characteristics of present-day Kazakhs based on craniological data. p. 65.
Ginzburg, V. V. - The craniological characteristics of Uzbeks. p. 90.
Alekseeva, T. I. - Some new materials on the craniology of the northwestern regions of Eastern Europe in the Middle Ages. p. 122.
Surgina, T. S. - Paleoanthropological materials from the neolithic burial ground in Aleksandrlya. p. 144.
Turkevich, G. B. - Skulls from the Zoroastrian ossuary in Frunkent near Samarkand. p. 154.
Bunak, V. V. - The Russian population of Transbaikalia. p. 169.
Davydova, G. M. - Anthropological research among the Russian Old Believers in Transbaikalia. p. 190.

AKADEMIIA NAUK SSSR. Muzei antropologii i etnografii. Sbornik [ACADEMY OF SCIENCES OF THE U. S. S. R. Museum of Anthropology and Ethnography. Annals]. Moscow, vol. 21, 1963.

Table of contents translated.

Vasilevich, G. M - Types of footwear of the peoples of Siberia p. 3.
Gagen-Torn, N. I. - Wooden utensils of Ust'-Tsil'ma, based on collections of Leningrad museums. p. 65.
Butinov, N. A., Rozina, L. G. - Some features of the primitive culture of the Maoris, based on collections of the Museum of Anthropology and Ethnology p. 78.
Rozina, L. G - The Marquesas Islands collection of the Museum of Anthropology and Ethnology. p. 110.
Kabo, V. R - Australian stone implements in the collections of the Museum of Anthropology and Ethnology. p. 120.
Liapunova, R. G. - Museum materials on Aleuts, based on materials of the Museum of Anthropology and Ethnology. p. 149.
Fedorov, V. V - Dating the origin of fishing on the territory of the European part of the U. S. S. R. p. 172.
Kinzhalov, R. V. - Art of the Nahua tribes on the Mexican plateau in the 14th to the 16th centuries. p. 185.
Marcdina, S. A. - "Ramayana" in the Bengali puppet theater. p 252
Lavrov, L. I. - New materials on Arabic epigraphy in the Northern Caucasus. p. 267
Ginzburg, V. V. - Materials on the anthropology of the ancient population of North Kazakhstan. p. 297.
Gokhman, I. I. - Paleoanthropological materials from the Ust'-Tal'kino burial ground in the Baikal Lake region, the problems of the origin of the Buryats p. 338.

VOPROSY ANTROPOLOGII [PROBLEMS OF ANTHROPOLOGY]. Issued by Institut antropologii Moskovskogo gosudarstvennogo universiteta [Institute of Anthropology of Moscow State University]. Moscow, no. 13, 1963

Table of contents translated:

Tung Ti-chên. - Morphological traits of the skeletal remains and teeth of Gigantopithecus in connection with his place in the order of Primates, p. 3.
Kochetkova, V. I. - Characteristic features of the variability of the temporal and occipital lobes of the endocranial casts of the Hominidae. p. 33.
Firsov, L. A. - A comparison of trace-imitation and conditioned trace-reflexes in the Chimpanzee. p. 52.
Poliakov, G. I., Blinova, K. K. - Data on the variability of the cellular structure of the cerebral cortex of man, p. 69.
Danilkovich, N. M. - Comparative anthropometrical data on the physical development of Leningrad children during the years 1927-1930, 1952/53, and 1959, p. 90.
Zalkind, N. G. - Significance of the physiometric indexes in the estimation of physical development; preliminary report. p. 110.
Pullanos, A. N. - Anthropological characteristics of the Karaites of Lithuania and Crimea, p. 116.
Ismagulov, O. - Craniological data for the anthropological characterization of the present-day population of Kazakhstan. p. 134.
Guseva, I. S. - Apropos of V. P. Alekseev's article "Craniological materials on the problem of the origin of Latvians." p. 140.
M. A. Gremiatskii's 75th birthday. p. 146.
Bunak, V. V. - Professor K. Saller's 60th birthday. p. 148.
Utkina, M. I. - The Seventh Conference on the Morphology, Physiology, and Biochemistry of Muscular Activity. p. 149.
Aron, D. I. - Conference on the Physical Development of the Population of the U. S. S. R. p. 151.
Tsui Ching-yao. - The find of a Neanderthal skull in Mapa in the Kwantung Province of China. p. 151.
Chteitsov, V. P. - "Current Anthropology"; a world journal of the sciences of man, May 1960-June, 1962. p. 156.

Gladkova, T.D. - "System atic dictionary of the animals of the world" by Maurice Burton. p. 158.

Abramova, E.A. - Bibliography of anthropological articles published in foreign periodicals in 1960-1962. p. 159.

6. GEOGRAPHY

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Otdel geografii. Trudy. [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Department of Geography. Transactions] Alma-Ata, no. 16, 1963. Voprosy geografii Kazakhstana [Geography of Kazakhstan].

Table of contents translated

Chibilev, A.M. - Methodology and methods for the comprehensive physico-geographical regionalization of the Tien Shan. p. 3.

Lobachev, M.Sh. - Morphological structure of the mountain landforms of southeastern Kazakhstan. p. 28.

Chigarkin, A.V. - Characteristics of studying desert landforms. p. 40.

Chigarkin, A.V. - Several local landform terms. p. 51.

Dyrenkov, V.M. - Geomorphology and Quaternary sediments of the Syr Darya region. p. 54.

Popova, G.Z. - Morphostructural analysis of central Kazakhstan. p. 87.

Zaridze, M.Zh. - Anthropogen relief forms of the Trans-Ili Ala-Tau foothills. p. 97.

Zharaty, M.Zh. - Pseudovolcanic cones in central Kazakhstan. p. 103.

Filonets, P.P. - The Ili Delta. p. 107.

Omarov, T.R. - Spelling distortions in the geographical names of Kazakhstan, using the example of lakes in Kurgal'dzhino District, Tselinograd Province. p. 115.

Nazarenko, I.M. - Types of agricultural production in the cotton planting regions of Chimkent Province, southern Kazakhstan. p. 117.

Semenova, M.I. - Geography of the economy and population of Chilik and Panfilov Districts, Alma-Ata Province. p. 137.

Fesenko, T.M. - Formation of city settlements in the western region of Dzhungarian Alatau. p. 163.

Bel'kevpyta, M.A. - Developing poppy planting in the Alakul' Depression. p. 180.

Abdrakhmanov, S.A. - Developing stockbreeding in central Kazakhstan. p. 186.

Kostyrko, V.P. - Several problems in developing the economy of Tselinograd Province. p. 195.

Esaulenko, P.I. - Efficient utilization of farmland. p. 200.

AKADEMIIA NAUK SSSR. Izvestiia. Seriia geograficheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geographical Series]. Moscow, no. 5, Sep.-Oct. 1963.

Table of contents translated

Polozova, I.G., Rubinshtein, E.S. - The present-day changing of the climate. p. 3.

Davdariani, A.S. - Balance profile and regular slope regime. p. 23.

Gerasimov, I.P., Chebotareva, N.S. - Absolute age of the latest (Valdai) glaciation on the northwestern part of the East European Plain. p. 36.

Mezentsev, V.S. - Natural moistening balance of the West Siberian Plain and the problem of the lower Ob' Valley. p. 45.

Rom, V.IA. - The Chereporets production-territorial complex and the problems of it's development. p. 51.

Vladimirov, L.A. - Glacial water supply of the Georgian rivers. p. 60.

Vederskaia, I.E. - Main forms of the morphosculpture widespread in the U.S.S.R. p. 64.

Rantsman, E.IA., Pshenin, G.N. - First results of the geomorphological studies of recent lateral crustal displacements along the Talas-Fergana fault in Central Asia. p. 72.

Kamanin, L.G., Murzaev, E.M. - Vladimir Afanas'evich Obruchev, on the 100th anniversary of his birth. p. 79.

Ovchinnikova, T.N. - P.K. Kozlov, on the 100th anniversary of his birth. p. 86.

Polevoi, B.P. - New biographical data on Vladimir Atlasov, on the 300th anniversary of his birth. p. 90.

Liltenberg, D.A. - The Third Plenum of the Joint Geomorphological Commission of the Academy of Sciences of the U.S.S.R. p. 93.

Monin, A.S. - Climatology of heat balance. p. 98.

Zalchikov, V.T., and others. - Teaching geography in the secondary school. p. 110.

Ludeman, Heinz. - Development of economic and political geography in the German Democratic Republic and Western Germany. p. 119.

Gerasimov, I.P., Komar, I.V. - Geographical problems in the work of the United Nations conference on the use of scientific and technical knowledge for satisfying the needs of underdeveloped areas. p. 127.

Zonn, S.V. - On the forthcoming Eighth International Congress of Soil Scientists. p. 133.

Popov, K.M. - I.A. Vitver's new work. p. 135.

Karpov, L.N., Gokhman, V.M. - Valuable work of Soviet scientists on the non-Soviet Far North. p. 137.

Kuntsyn, L.F., Nikol'skaia, V.V. - First volume of the Kamchatka Branch of the Geographical Society. p. 140.

Sergeev, M.A., Gordienko, P.A. - Work on the history of the North Sea route. p. 142.

Isakov, IU.A. - Research conducted by the state reservations of the R.S.F.S.R. p. 145.

Zimina, R.P., Isakov, IU.A. - Accounting for and mapping the animal population. p. 146.

Kuntsyn, L.F. - Problems of the physical geography of the Urals. p. 150.

Zubritskaia, E.D., Serebrianyi, L.P. - Academic conference on Scandinavian studies. p. 152.

Bondaruk, G.P. - Spelling of geographical names. p. 153.

Filippov, IU.V. - The twenty-fifth anniversary of the Scientific-Editorial Cartographical Board. p. 155.

Butanovskii, M.S., Moskvin, D.D. - IA.G. Feigin's 60th birthday. p. 156.

Gerasimov, I.P., Riabchikov, A.M. - The head of Indian geography, on Professor S.P. Chatterjee's 60th birthday. p. 157.

AKADEMIIA NAUK SSSR. Institut okeanologii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Oceanography. Transactions], Moscow, vol. 57, 1962.

Table of contents translated:

Snopkov, V.G. - Brief climatic characteristics of the Korf-Karaga region. p. 3.

Romanov, IU.A. - Transformation of surface wind on the shores of the Sea of Japan north of 41° N. p. 9.

Burmistrova, V.D. - Regions of the generation and transference tracks of anticyclones in the northern part of the Pacific Ocean. p. 16.

Soliankin, E.V. - Atmospheric precipitation over the Black Sea. p. 35.

Romanova, N.A., Sishkov, IU.A. - Method of calculating the meridional transport indices of heat and cold. p. 47.

Luk'ianov, V.V. - Cyclonic action in the northern part of the Pacific Ocean. p. 50.

Luk'ianov, V.V. - Forecasting ice conditions in the Caspian Sea. p. 76.

Egorenko, N.P. - Typical pressure fields over the Black Sea Basin. p. 81.

Burlutskaia, V.M., Samoilenko, V.S. - Conditions governing the formation of air masses in the northern part of the Pacific Ocean. p. 93.

Rutkovskaia, V.A. - Some radiation properties of lakes, reservoirs, and seas. p. 117.

Smetanina, N.S. - Maps of the vorticity of tangential wind over the Pacific Ocean. p. 133.

Shishkov, IU.A. - Meridional heat transport in the lower troposphere and the anomalies of temperature conditions in the northern part of the Atlantic Ocean. p. 156.

Samarina, N.N. - Transparency of air masses in the equatorial-tropical latitudes in the western part of the Pacific Ocean. p. 200.

Vol 66, 1963. Voprosy fizicheskoi okeanologii [Problems in physical oceanography].

Table of contents translated

Kitaigorodskii, S.A., Fillushkin, B.N. - Discontinuity layer in the ocean. p. 3.

Fomin, L.M. - Steady wind-driven currents in a non-homogeneous ocean with varying depth. p. 29.

Samoilenko, V.S. - Methods of estimating advection in the heat balance of seas and oceans. p. 46.

Bogdanov, K.T. - Tides of the Australasian seas. p. 59.

Sergeev, IU.N. - Practice of computing a cotidal chart of the M_2 tidal wave in the South China Sea. p. 66.

Leont'eva, V.V., Radzikhovskaia, M.A. - Delinition of hydrologic structures and water masses in the ocean. p. 79.

Gezentsvei, A.N. - Orders of magnitude of oceanologic characteristics. p. 91.

Kestner, A.P. - EMK-1 electromagnetic flowmeter for turbulent water flow. p. 125.

Ampol'skii, A.D. - Methodology of calculating inertial fluctuations of hydrologic elements. p. 142.

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Otdelenie fizicheskoi geografii. Komissiia po landshaftnym kartam. Materialy [GEOGRAPHICAL SOCIETY OF THE U.S.S.R. Department of Physical Geography. Committee on Landscape Maps. Materials] Leningrad, no. 1, 1961.

Table of contents translated:

From the Committee on Landform Maps. p. 2.

Isachenko, A.G. - Principles of scaling the legend of medium-scale landform maps. p. 3.

Kazakova, O.N., Pavlova, N.N., Dashkevich, Z.V. - Landform map of Vologda Province. p. 10.

Dashkevich, Z.V. - Landform map of the Veps Upland and adjacent territories. p. 17.

Sokolov, N.N. - Using aerial photography, [illegible] landform mapping in studying the Kuybyshev [illegible] volt. p. 27.

Rodnianskaia, E.E. - Method of the [illegible] ping of landforms of the floodplain land [illegible] rivers. p. 37.

No. 2, 1962.

Table of contents translated

Foreword. p. 4.

Gvozdetskii, N.A. - Practice in plotting [illegible] landform map of Transcaucasia. p. 5.

Isachenko, A.G. - Examples representing [illegible] landforms on maps made on a 1:1,000,000 [illegible] p. 19.

Mamai, I.I. - Scaling the legend of a landform [illegible] of Kazakhstan. p. 31.

Mik'kov, F.N. - Several general problems [illegible] small-scale landform maps. p. 45.

Chigarkin, A.V., Ishankulov, M.Sh. - [illegible] of Alma-Ata Province on a 1:4,000,000 [illegible] p. 55.

LENINGRAD. ARKTICHESKII I ANTARKTICHESKII [illegible] NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Trudy [ARCTIC AND ANTARCTIC SCIENTIFIC RESEARCH INSTITUTE. Transactions]. Vol. 247, 1962.

Contents: Lavrov, V.V. [Problems in the [illegible] and mechanics of ice] Voprosy fiziki i mekhaniki l'da. 117 p.

c. GEOLOGY & PALEONTOLOGY

* AKADEMIIA NAUK SSSR. Izvestiia. Seriia geologicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geological Series]. Moscow, vol. 9, Sep. 1963.

Table of contents translated

New prospects. p. 3.

Nemashev, N.I. - Igneous activity and [illegible] in northeastern Yakutia in the light of the [illegible] data. p. 6.

Rashin, G.A. - Heteromorphism and [illegible] states of mineral formation in the crystallized basalt melts. p. 18.

Serykh, V.I., Iakhchenko, N.IA. - Porphyritic granites of the Zerenda Massif (northern Kazakhstan). p. 34.

Suvorov, A.I. - Spasskaya zone of central Kazakhstan and some problems of shift tectonics. p. 46.

Dolitskii, V.A., Kucheruk, E.V. - Maps of [illegible] and their use in tectonic zoning of platform areas. p. 61.

Kotel'nikov, D.D. - Characteristics and the [illegible] governing the accumulation of clay minerals in Maikop sediments of Ciscaucasia. p. 70.

Kats, M.IA., Baranov, V.V. - Graded type [illegible] ultrathermostate and prospects for using it in mineralogical studies. p. 93.

Aleksandr Alekseevich Polkanov; obituary. p. [illegible]

Pavlovskii, E.V., Leites, A.M. - Comments on A.A. Bykhover's book "Distribution of world [illegible] resources based on the epochs of ore formation". p. 102.

Kashkai, M.A. - Concerning the "Classification of volcanic fragmental rocks". p. 103.

Literature on geology received by the library of the Department of Geological and Geographical Sciences of the Academy of Sciences of the U.S.S.R. in June 1963. p. 108.

Bogatikov, O.A., Riabchikov, I.D. - Dr. [illegible] W. Boyle, Canadian geochemist visits the U.S.S.R. p. 110.

AKADEMIIA NAUK SSSR. Geologicheskii Institut [illegible] [ACADEMY OF SCIENCES OF THE U.S.S.R. Geological Institute. Transactions]. Moscow, no. 84, 1963.

Contents: Zaklinskaia, E.D. [Anglesparagus [illegible] and its significance for the stratigraphy of the Upper Cretaceous and Paleogene] Pytiaa [illegible] semiamykh i ee znachenie dlia obosnovaniia stratigrafii verkhnego mela i paleogena. 253 p. [illegible] diagrs. Inserted.

No. 76, 1963.

Contents: Solov'eva, M.N. [Stratigraphy of the zone of fusulinids of Middle Carboniferous sediments in Central Asia] Stratigrafiia i fuzulinidy srednego zony srednekamennougol'nykh otlozh [illegible] nol Azii. 132 p. fold. diagrs. Inserted.

AKADEMIIA NAUK SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Geology of Ore Deposits, Petrology, Mineralogy, and Geochemistry. Transactions]. Moscow, no. 91, 1963.

Contents: Lurie, A.M. [Distribution of lead of mineralization in the Gava-Kassan interfluve (Kirgizia)] Zakonomernosti raspredeleniia svintsovo-tsinkovoi mineralizatsii v mezhdurech'e Gava-Kassan (Kirgiziia). 147 p.

AKADEMIIA NAUK SSSR. Kamchatskaia vulkanologicheskaia stantsiia. Biulleten' Vulkanologicheskoi stantsii [ACADEMY OF SCIENCES OF THE U.S.S.R. Kamchatka Volcanic Station. Bulletin of the Volcanic Station]. Moscow, no. 34, 1963.

Table of contents translated

Markhinin, E.K. - Climbing the Klyuchevskiy Volcano during its eruption in 1961. p. 3.
Sirin, A.N., Farberov, A.I. - Eruption of the Ploskiy Tolbachik Volcano in 1961-1962. p. 6.
Markhinin, E.K., and others. - Eruption of the Bezymyannyy Volcano in the spring of 1961. p. 12.
Fedorchenko, V.I., Shilov, V.N. - Eruption of the Chikurachki Volcano (Paramushir Island) in 1961. p. 36.
Aprelkov, S.E. - Vilyuchinskiy Volcano in the Kamchatka Peninsula, some information on its geology. p. 44.
Piakhotnik, V.G. - Hawaiian type Neogene Volcano in the Sikhote-Alin' Range p. 48
Zelenov, K.K. - Ocean water as a product of the volcanic activity p. 51.

AKADEMIIA NAUK SSSR. Komissiia po izucheniiu chetvertichnogo perioda. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Commission for the Study of the Quaternary Period. Transactions]. Moscow, vol. 21, 1963. Kraevye formy rel'efa materikovogo oledeneniia na Russkoi ravnine [Marginal forms of the relief of the continental glaciation in the East European Plain].

Table of contents translated

Preface. p. 3.
Nikonov, A.A. - Marginal formations and the retreat of the last ice sheet in the northwestern part of the Kola Peninsula. p. 5.
Arnrud, A.D. - Final moraine formations in the Khibiny Mountains. p. 15.
Deviatova, E.I. - Marginal formations of the Valday Glacier in Archangel Province p. 21.
Biske, G.S. - Marginal forms of the last glacier in Karelia. p. 30.
Aleinikov, A.A. - Marginal formations of the last glaciation in the northwestern part of the East European Plain and their geomorphologic and stratigraphic relationship. p. 41
Malukhovskii, D.B., Vigdorchik, M.E. - Some forms of the glacial accumulative relief in the northwestern part of the East European Plain. p. 47.
Sammet, E.IU. - Relationship between the phase marginal formations of the Valday glaciation and the drainage network in the northwestern part of the East European Plain. p. 54.
Rahni, E.E. - Marginal formations of the last glaciation in northern Estonia. p. 60.
Kajak, K.Ĭ. - Marginal glacial formations in southeastern Estonia. p. 66.
Danilans, L.J. - History of the delineation of marginal forms in Latvia. p. 76.
Gudelis, V.K. - Terminology and classification of marginal glacial formations of the continental glaciation. p. 84.
Copulyte, V.A. - Phase bands of the relief of the Recent Quaternary glaciation in the southeastern part of the Baltic Sea region. p. 92.
Basalikas, A.B. - Varieties of final moraines occurring in Lithuania. p. 99.
Lopatnikov, M.I., Shik, S.M. - Marginal formations of the Valday and Moscow glaciations in the central part of the East European Plain. p. 113.
Strelkov, S.A. - Genesis of marginal formations and the glacial relief in the northeastern part of Western Siberia. p. 116.
Lamakin, V.V. - Glacial sediments of the Lake Baikal shores. p. 126.
Serebriannyi, L.P. - Chronology and paleogeography of the last Glacial epoch in Northern Europe. p. 140.
Rahni, E.E. - Field trip to the region of marginal formations in northern Estonia. p. 156.
Resolutions of the conference on the study of marginal glacial formations, Tallin, June 5-9, 1961. p. 170.
Supplement to the resolutions of the conference on marginal formations proposed by N.N. Sokolov. p. 172.
Supplement to the resolutions of the conference on marginal formations proposed by G.I. Goretskii p. 172.

AKADEMIIA NAUK SSSR. Mineralogicheskii muzei. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Mineralogical Museum. Transactions]. Moscow, no. 14, 1963.

Table of contents translated:

Akhmanova, M.V., Leonova, L.L. - Study of the metamict disintegration of silicates using infrared spectroscopy. p. 3.
Barsanov, G.P., Iakovleva, M.E. - The color of minerals. p. 32.
Brodin, B.V. - Role of diffusion in the replacement of minerals and the decomposition of solid solutions. p. 79.
Kornetova, V.A. - Association of ilmenorutile with monazite in the pegmatites of Siberia. p. 90.
Kornetova, V.A., Aleksandrov, V.B., Kazakova, M.E. - New variety of aeschynite with a high tantalum content from granite pegmatites of Siberia. p. 108.
Ploshko, V.V., Bogdanova, V.I. - Epidote minerals in rocks of the Urushtenskiy complex (Northern Caucasus) p. 122
Povilaitis, M.M., Organova, N.I. - Composition and properties of micas. p. 140.
Rossovskii, L.N. - Pegmatites in magnesite marble from the region of the Kugi-Lyal' precious spinel deposit in the southwestern Pamirs p. 166
Khalezova, E.B. - Typomorphism of zircon from alkali rocks in the Vyshnevyye and Il'men Mountains. p. 182.
Abrashev, K.K. - Dimensional leucophane group. p. 200
Annenkova, G.A., Moleva, V.A. - Rare-earth eucolite from the Khibiny Mountains p. 201
Belousov, G.E., Kudriashova, V.I. - Green apophyllite from the Nidym Valley (Evenki National Area). p. 205.
Distler, V.V., Popov, S.D., Ovcharova, Z.F. - Struverite, an accessory mineral of granites p. 209
Dolomanova, E.I., Moleva, V.A. - Danalite from the deposit of the cassorite-quartz-sulfide formation in Siberia. p. 215.
Dorfman, M.D., Borova, T.A. - Supergene barite in the Khibiny alkali massif. p. 219.
Dorfman, M.D., Abrashev, K.K. - Supergene sodium phosphate in nepheline syenites of the Khibiny Mountains p. 226.
Efimov, A.F., Gorbacheva, T.B. - Potassium feldspars in the alkali pegmatites of the Inaglinskiy massif p. 231.
Kudriashova, V.I. - Hydrothermal pyroxene from the trap rocks of the Lower Tunguska Valley. p. 238.
Nadezhdina, E.D., IUdina, V.V., Zabavnikova, N.I. - Accessory sphene from metasomatic trap rocks in the Siberian Platform (Bol'shaya Botuobiya Valley). p. 243.
Smol'taninova, N.N., Senderova, V.M. - Arsenioside-rite from southern Khgizia. p. 250.
Shtain, L.B. - Cervantite. p. 259.
Shlukova, Z.V. - Cossyrite is identical with enigmatite p. 262.
IAkovlevskaia, T.A., Semenov, E.I. - Some new data on chkalovite p. 265.

AKADEMIIA NAUK URSR, Kiev. Instytut geologichnykh nauk. Trudy. Seriia geotektoniki [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Geological Sciences. Transactions. Series in Geotectonics]. Kiev, no. 12, 1962.

Contents Bondarchuk, V.G. [Crustal structure, with a map made on a 1:27,000,000 scale] Struktura zemnoi kory s kartoi masshtaba 1:27,000,000). 43 p

GEOLOGIIA I GEOFIZIKA [GEOLOGY AND GEOPHYSICS]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Branch of the Academy of Sciences of the U.S.S.R.], Novosibirsk, no. 4, 1963.

Table of contents translated:

Pecherskii, D.M. - Data on the magnetic stability of granitoid rocks in the northeast. p. 3.
Pospelov, G.L. - Geological factors in the formation of channels determining the flow of ore-forming fluids p. 24.
Milashev, V.A. - The term "kimberlite" and the classification of kimberlites. p. 42.
Kimberlitelike picrites in the Lesozavodsk region. p. 53
Bogolepov, K.V. - Results of the tectonic regionalization of basic Post-Triassic structures in Siberia and the Far East. p. 64.
Solov'ev, V.A. - Genetic relationship between the Cenozoic and Mesozoic troughs in western Transbaikalia and the fault systems of different ages. p. 79.
Kashtanov, V.A., Gol'bert, A.V. - Geology and mineralogy of Mesozoic and Cenozoic sediments and in the Yenisey trough and an estimation of their possible reserves. p. 88.
Putria, F.S. - New representatives of Miliolidae from Upper Jurassic and Lower Cretaceous sediments in Western Siberia. p. 100.
Rabinovich, B.I. - Determination of the resistance of the key electric horizon based on data obtained in electric profiling of varying thickness of sediments. p. 109.
Trofimuk, A.A. - Diagnostics of oil producing series. p. 116.
Rostovtsev, N.N. - Concerning F.G. Gurari, I.I. Nesterov, M.IA. Rudkevich's article "Stratigraphy of Mesozoic and Cenozoic sediments in the West Siberian Plain." p. 122.
Basharin, A.K. - A case of horizontally stratified Archean layers in the Aldan Shield. p. 124.
Brovkov, G.N. - Ash tuffs in Middle Devonian sediments in the Tuz-Tag salt mine region (southern Tuva). p. 126.
Alabin, L.V. - Lower Cambrian structural-facies zones in the northwestern and northern Kuznetsk Ala-Tau. p. 132.
Professor IUrii Alekseevich Kuznetsov, Corresponding Member of the Academy of Sciences of the U.S.S.R.; on his 60th birthday. p. 135.

No. 7, 1963

Table of contents translated

Vistelius, A.B. - Mathematical geology. p. 3.
Vasilenko, V.B., Vartanova, N.S. - Age correlation of granitoids by thermoluminescence p. 17.
Samsonov, V.V. - Genetic classification of gas occurrences on the southeastern shores of Lake Baikal. p. 32.
Podobina, V.M. - New information on Senonian Foraminifera complexes in the eastern regions of the West Siberian Plain. p. 40.
Popova, S.M. - Paleogene and Neogene fresh water mollusks in the southern part of the Soviet Far East. p. 50
Leshchikov, F.N. - Permafrost in the area adjacent to Bratsk Reservoir p. 64.
Nikiforova, O.I., Obut, A.M. - New stage between the Silurian and Devonian p. 75.
Bogatskii, V.V. - Concerning I.V. Koreshkov's book "Areas of arch uplift and characteristics of their development." p. 80
Votakh, O.A., Dmitriev, A.N. - Correlation of the Pre-Cambrian series in the Igarka and Turukhan regions based on absolute age data. p. 82.
Ekhanin, G.M. - Composition and age of the basal layer in the Byskarskaya series of the Sarala Valley (Kuznetsk Ala-Tau). p. 83.
Lizalek, N.A. - Secondary alterations of Devonian rocks in the South Minusinsk Lowland. p. 88.
Sulimov, I.N. - Tectonics of the Zeya-Bureya Plain. p. 95
Van'ian, L.L., Morozova, G.M. - Chart for the interpretation of frequency sounding. p. 100.
Trigubov, A.V. - Appearance of loops on the hodographs of leading waves. p. 103.
Vlasov, A.IA., Kovalenko, G.V. - Some results of magnetic cleaning of samples of sedimentary rocks. p. 109.
Sebulenko, M.G., Solov'ev, O.A. - Localization of the characteristics of potential fields from observed anomalies and the accuracy of analytic continuations into the lower discontinuity. p. 112
Conference of young geologists of the Institute of the Earth's Crust. p. 117.

No 8, 1963.

Table of contents translated.

Kosygin, IU.A. - Position of geology among other sciences and principal problems of modern geology. p. 3.
Dagis, A.S - Rhaetian stage. p. 13.
Logachev, N.A., Popova, S.M. - Fossil mollusks of the Bayanday series (Angara-Lena interfluve) and the stratigraphy of Tertiary sediments in the Lake Baikal region. p. 26.
Distanov, E.G. - Age of complex metal deposits in the Salair Ridge and some characteristics of their distribution. p. 38.
Puzyrev, N.N., and others. - Seismic sounding by refracted waves for purposes of regional geological studies. p. 55.
Khromovskikh, V.S. - Structures of seismic origin in the southern Lake Baikal region. p. 68.
Korotev, D.F. - Genesis of metacolloid minerals. p. 82.
Godovikov, A.A., Sakharova, M.S. - Some remarks concerning IU.S. Nesterova's works on the results of chemical analyses of sulfides and related minerals. p. 89.
Ivanov, B.A. - IU.F. Misnik, M.IU. Fishkin's article "New data on the geology and petrography of the Sretensk granitoid massif (eastern Transbaikalia)." p. 94.
Savrasov, D.I., Rupin, I.P. - Use of magnetic prospecting for mapping various types of kimberlites in the pipes of complex structure. p. 96.
Kotmogorov, V.G. - Calculation of the deviations of vertical lines based on gravity anomalies. p. 100.
Moiseenko, U.I., Istomin, V.E. - Study of the electric conductivity of rocks at high temperatures. p. 106.
Fotiev, S.M. - Nakhot thermal mineral springs in southern Yakutia. p. 109.
Zeits, F.IU., Sharapov, V.N. - Genetic relationships between the igneous activity and the complex metal mineralization in the Kondoma region of Gornaya Shoriya. p. 113.
Ivanovskii, A.B. - First Symposium on the study of Fossil Corals in the U.S.S.R. p. 117.

GEOLOGIIA MESTOROZHDENII REDKIKH ELEMENTOV [GEOLOGY OF RARE-ELEMENT DEPOSITS]. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia [All-Union Scientific Research Institute of Mineral Resources]. Moscow, no. 17, 1962. Geologicheskoe stroenie i mineralogo-geokhimicheskie osobennosti redkometal'nykh karbonatitov [Geology and mineralogical characteristics of rare-metal carbonatites].

Table of contents translated:

Preface. p. 3.
Sheinmann, IU.M. - Characteristics of the distribution of the provinces of ultrabasic alkali rocks. p. 5.

Lavrov, Yu B - Fedorov, E M - Geology of the massifs of ultrabasic alkalic rocks and characteristics of their formation - p 9

Lavrov, Yu B, Fedorov, E M - Pre-carbonatite metasomatic processes in ultrabasic alkali massifs, p 27

Fedorov, A A, Fedorov, E M - Geology of carbonatite massifs p 35

Pozharitskaya, L K - Microstructural characteristics of carbonatites p 70

Gurov, A I, V S, Zdorik, T B - Rare-metal minerals in carbonatites p 80

Pozharitskaya, L K - Geochemical characteristics of the carbonatite formation process p 117

Frolov, V A - Characteristics of the distribution of the rare-metal mineralization p 125

Fedorov, E M - Phlogopite potential of precarbonatite metasomatic rocks p 133

Pozharitskaya, L K, Fedorov, E M - Genesis of carbonatites p 134

Gurov, A I, Fedorov, E M - Conclusion p 142

In nature p 148

LENINGRAD VSESOYUZNYY GEOLOGICHESKIY INSTITUT *Trudy* [ALL-UNION GEOLOGICAL INSTITUTE *Transactions*] Vol 84, 1962, Problemy neftegazonosnosti Srednei Azii [Oil and Gas Potentials of Central Asia], 165 p.

Contents Mikhailo, I E [Underground water in the Bukhara-Karshi oil- and gas-bearing artesian basin] *Podzemnye vody Bukharo-Karshinskogo neftegazonosnogo artezianskogo basseina*, 165 p.

MATERIALY PO GEOLOGII ZAPADNOI SIBIRI [MATERIALS ON THE GEOLOGY OF WESTERN SIBERIA] Issued by Zapadno-Sibirskoe geologicheskoe upravlenie [West-Siberian Geological Administration] Moscow, no 13, 1962 Novye dannye po paleontologii i stratigrafii Zapadnoi Sibiri [New data on the paleontology and stratigraphy of Western Siberia]

Table of contents translated

Preface, p 5

Radugin, K V - Early forms of archaeocyathids, p 7

Pospelov, A G - Systematic position of *archaeocyathids* p 11.

Polarov, A S - Szecciathus Vologdini and Lucyathus Vologdini gen. et sp. nov. p 14

Romanenko, M F, Romanenko, E V - Trilobites of the Bukarginskaya series in the Middle Cambrian of the Gornyy Altai p 16.

Fedianina, E S. - Trilobites of the Mras-Su series from the Pyanlovskiy Spring (*Gornaya Shoriya*) p 30

Sinitsyn, V I, Fedianina, E S, - Lower Ordovician sediments in the Kaz iron-ore deposit of Gornaya Shoriya p 41.

Tomashpol'skaia, V D - Stratigraphy of the Batenevskiy Range p 56

Aksarina, N A - Cambrian brachiopods of Western Siberia. p 66

Demidova, L N - Materials on the Ordovician fauna of the Gornyy Altai p 71

Petrunina, Z E, Severgina, L G. - Ordovician stratigraphy of the northwestern Gornyy Altai. p 81

Mikutskiy, S P, Petrakov, V U - Stratigraphy of Silurian sediments in the Siberian Platform. p 94.

Rodygin, A I - Stratigraphy of Devonian red beds in the Salyugem Range. p 103.

Kononov, A N - Devonian sediments of the central Altai. p 116.

Krasnopeeva, P S - New species and first finds of the genus of moss animals in the Middle Devonian of the Rudnyy Altai p 123

Krasnskaia, L N - Middle Devonian biostratigraphy in the Zmeinogorsk region (Rudnyy Altai) p 128.

Zirchenko, V G. - Age of the Tomskozavod series p 149.

Ivanna, V A - Middle Devonian stratigraphy of the northern Kuznetsk Basin. p 154

Cherepanna, S K., Dziubo, P S. - Tabulata and rugosa of the Silair facies type from lower Devonian sediments in the Altai. p 160.

Vyl'tsan, I A - Division of sediments of the Kuznetsk and Il'ya series in the Kuznetsk Basin p 171.

Gorelova, S.G., Maksimov, I P. - Stratigraphy of Upper Permian sediments in the western part of the Plotnikovo coal region in the Kuznetsk Basin. p 184

Drugina, L L - Find of Jurassic spore-pollen complexes in Gornaya Shoriya. p 191.

Lebedev, I V - New plants from Jurassic sediments in the Kuznetsk Basin. p 193.

Kachurc, O.Iu. - New species of Ostracoda from Jurassic sediments in the Chulym-Yenisey Lowland. p 203.

Nikitin, V.P. - Some new species of the genus Potamogeton L. p 208

Pel'shakov, I.S. - Materials on tectonics of the Kuznetsk Basin based on the study of the metamorphism of coals. p 217.

Khakhlov, V.V. - Schistosity and sedimentation of rocks in the Basandayka series of the Lower Carboniferous in the Tomsk region. p 222

MINERALOGICHESKII SBORNIK [MINERALOGICAL REVIEW] Issued by L'vovskoe geologicheskoe obshchestvo [Lvov Geological Society] Lvov, no 16, 1962

Table of contents translated

Evgenii Konstantinovich Lazarenko p 5.

Bejor, N V - Notes on structural mineralogy Report No. 13. p 14.

Kurilenko, Konstantin - Radicals of the formula (Si_2O_5) and their X-ray emission spectra SiK_{α_1}; brief comments p 45.

Shafranovskii, I I, Moklevskii, V.A., Dement'eva, G.I - Systematics and external symmetry of crystal inclusions in a monocrystalline medium p 48.

Povarennykh, A S - Basic law of crystallochemistry p 57

Shcherbina, V V - Chemical reactions of the earth's crust. p 68

Kostov, Ivan - Genetic types of mineral habits. p 75.

Chudoba, Karl F. - Some relations between the causes of the coloring of amethyst, smoky quartz, and citrine from the point of view of modern scientific knowledge. p. 91.

Grigor'ev, D.P., Kanlakina, T.A. - Crystallization of quartz in chalcedony geodes p 106

Slivko, M.M. - Chemical composition and isomorphous replacements in tourmalines p 113

Matkovskii, O.I - Manganese amphiboles of the cummingtonite row, p 130.

Eliseev, N A. - Regular orientation of minerals in rocks, tectonites and pseudotectonites. p. 154.

Lavrenko, E.I., Lazko, E M - Chlorites from crystal-bearing quartz veins. p. 171

Loovinenko, N.V., Kulesko, G I., Shumenko, S.I - Study of some hydrothermal and sedimentary beudandites. p 181.

Pankov, V.P., Chukhrov, F.V. - Mineralogy of the Manka gold-tellurium ore deposit of the southern Altai p 195

Meritch, B V, Spitkovskaia, S.M, Datsenko, N.M. - Classification of aggregate varieties of sulfur in the Rozdol deposit p 210

Fishkin, M Iu. - Mineralogy and conditions governing the formation of kaolins in the Glukhov deposit p 227

Polovinkina, Iu.I., Sokolova, E P. - Micas from some rocks of the Ukraine p. 240.

Sidorenko, E.F., Zinchuk, V.K - Fibrous sulfate from Beregovo District in Transcarpathia. p. 253.

Bobrovnik, D.P. - Mineralogy of gypsum anhydrite of sulfur deposits in Transcarpathia p 261

Matkovskii, O I, and others - Sulfide and complex metal deposits in the Chivchin Mountains p. 273.

Smith, F.G - Preliminary data on the solubility of metallic sulfides in water under the conditions of increased temperature and pressure. p 285.

Gorzhevskii, D.I - Classification of hydrothermal deposits. p. 291

Lesniak, V.F - Significance of the inclusions of solutions and melts in minerals as one of the basic factors for classifying supergene deposits p. 302.

Loferman, A A - Possibility of studying the relationship between dikes and mineralization based on mineral inclusions. p. 312.

Tomkeev, S I - Nature and origin of carbonatites. p 318

Hoppe, Günter - Manifestation of radioactive haloes in biotite p 328.

Bouška, Vladimir, Honek, Josef, - Concentration of admixture elements in hard caustobioliths of the coal row in some areas of Czechoslovakia p 334.

Gerasimovskii, V.I. - Mineralogy of uranium. p 343.

Karlakin, L I. - Mineral formation processes in blast furnaces. p. 359.

Prikazchikov, L A. - Replacement of feldspar along cleavage p. 373

Frank-Kamenetskii, V.A. - Unified system for indexing crystal elements as structures showing their diffraction and growth. p. 384.

Sekanina, Josef - Interference pleochroism. p. 387.

Barić, L. - Regular intergrowth of vivianite and ludlamite from the Stari TRG (Trepča lead-zinc deposit. Twins of ludlamite. p. 391.

Kurilenko, Konstantin. - Alteration of topaz under the effect of heating from 20° to 1250° C. p. 395.

Grigor'eva, N.P - Determination of the electric resistance of minerals. p 399.

Kaliuzhnyi, Vl.A., Iorysh, Z.I - X-ray analysis of microquantities of minerals. p. 403.

Koltun, L.I., Golovchenko, N.G. - Determination of temperatures of mineral formation in the Nikitovka mercury deposit based on the inclusions in minerals. p 407

Gvakharia, G.V., Nazarov, Iu.I. - Turquoise from the Madneuli deposit (Georgian S.S.R.). p. 410.

Abramovich, Iu.M., Nechaev, Iu.A. - Native copper in Upper Permian sediments of the Ural Mountain region in Perm Province. p. 416.

Srebrodol'skii, B.I. - Accessory orthite from the Dniester Valley. p 418.

Liashkevich, Z.M - Variety of allevardite containing sodium. p. 421.

Gabinet, M.P., Eliseev, E.N. - Babingtonite. p.430

Stankevich, L.O., Gendrikhovskaia, G.Ch. - Calcium rhodochrosite of the Kamysh-Burun trough. p. 435.

Malashevskii, V.V., Bilonizhka, P.M - [illegible] from the salt deposits in the Ciscarpathian region. p 441.

Pavlishin, V.I., Slivko, M.M - Isomorphism in the series $CaCO_3$-$MnCO_3$. p 445

Bolko, G.E. - Mineralogy of ozocerite in the Lyach and Staruni deposits. p. 449.

Gorzhevskii, D.I., and others - Archibald Betekhtin. p. 454

Gliter, M.L., and others. - Grigo Leonardovich Leontovskii p. 456.

Slivko, M.M. - Fourth Conference on Crystal chemistry. p. 459.

Sidorenko, E.F., Iasinskaia, A.A. - [illegible] ings. p. 462

Koltun, L.I., Matkovskii, O.I. - Third All-Union Conference on the Formation and Distribution of Endogenetic Ore Deposits. p. 461

MOSCOW, MOSKOVSKII GEOLOGORAZVEDOCHNYI INSTITUT. *Trudy* [MOSCOW GEOLOGICAL PROSPECTING INSTITUTE. *Transactions*]

Table of contents translated

Sal'man, G V. - Features of the structure of the crystalline basement of the Ural Mountains in the area of Orenburg Province. p. 3.

Tseisler, V. M. - Some results of absolute geochronology of the southwestern spurs of the Aldan Range (Guran, Dekhkanabad and Kuyumsan massifs) p. 11.

Kozubenko, A I. - Structural elements of the Central Caucasian Upland. p. 19.

Gumi-Gumilnitskii, O.S. - Molebdenum bearing rocks of the Kara-Tau Range (southern Kazakhstan) p. 31.

Shatkii, A.A. - Age and origin of intrusive rocks in the Lower Cretaceous of the Crimea p. 41.

Bobylev, V.V. - Devonian sedimentary rocks of the interfluve (central Amur Valley) p. 55.

Levitskii, E.S. - Recent data on lithology of the Kondrat'yevskaya "formation" (Devonian) of the Gornyy Altai). p. 45.

Kravchenko, M. P., Mekelin, M. I., Chefranov, Iu.G. - Chokurdakskoye deposits of the Yana-Indigirskiy Peninsula p. 57.

Fel'dman, V. I. - Recent data on the geology of the Taydut massif of alkaline granitoids (Transbaikalia). p. 66.

Rupin, I.P. - Connection between the chemical and mineralogical composition of kimberlites p. 71.

Polykovskii, V.S. - Structure and genesis of the zoned pegmatites in Maydantal p. 77.

Vartanian, S.U. - Formation conditions of ore bodies in pyrite deposits of northern Armenia p. 86.

Polykovskii, V.S., and others. - Method of determining pressure by inclusions in minerals

Bukin, I.V - Combined gas and core analysis in logging of hydrocarbons and light metal ores in the Timan Ridge. p. 101.

Ermanov, I.P. - Using the core obtained in boring with scavenging in prospecting for diamond deposits in Yakutia. p. 112.

Graf, L.E., Kogan, D.I. - Rock-breaking in core drilling with hydraulic hammers. p. 119

Vasil'ev, A N. - Drilling with diamond-impregnated bits in Yakutia. p. 128.

Makushkin, D.O. - Results of using diamond-impregnated bits in exploratory drilling. p. 132

Volokitenkov, A.A. - Efficient means of preventing in controlling circulation losses in exploratory drilling. p. 138.

Penkevich, S.V., Maksimov, V.I. - Hydraulic core lifter with changeable core extractors for diamond exploratory core holes. p. 148.

Levitskii, A.Z. - Determining the optimum speed of drilling pipes for vibration drilling. p. 154.

Volkov, V.N., Zarubina, A.I., Rudavskii, I.F. - Economic evaluation of new hard alloy bits on the example of drilling exploratory holes in the Kuznetsk Basin. p. 161.

Bol'shakov, V.V. - Classification of geological sections according to the difficulty of coring, representative and samples in core drilling

Stepanov, Iu.V. - Representativeness of drill logging operations in determining the thickness and structure of coal seams in the Intudinsk p. 169.

Demidovich, O.A. - Use of methods of probability statistics in exploration geophysics. p. 177

Slyusin, I.T. - Effort of the Donets Basin geological organizations for technical progress in the coal industry in the years of the five-year plan p. 181

MOSCOW, UNIVERSITET. *Vestnik. Seriia 4: Geologiia* [UNIVERSITY, Review. Series 4: Geology] Vol 18, no. 3, *May-June 1963*.

Table of contents translated:

Sergeev, E.M., and others. - Study of the distribution of clay minerals for purposes of engineering geology. p. 3.

Mazarovich, O.A. - Geology of the northern margin of the Karaganda Basin. Pt. 2. p. 10.

Tikhomirov, V.G., and others. - Two types of basic structures in acid igneous rocks (Kalba-Narym District in central Kazakhstan). p. 25.

Kuznetsov, E.A , Siun Da-khe [Hsun Ta-ho]. - Synthetic pyroxenes and their birefringence dispersion in connection with their composition. p. 31.
Kodakova, L. P. - Results of detailed structural and geomorphological studies in the Manych uplift region. p. 39.
Maslakova, L.I - Division of Albian-Senonian sediments in the Utesovaya zone of the Carpathians based on Foraminifera. p. 44.
Pil'eva, K.E. - Some geochemical characteristics of beryllium in underground waters of the intrusive alkali massif in the Lovozero Tundras. p. 49.
Savel'ev, B.A., Gulikov, A.E. - Methods for obtaining ice of a definite structure. p 55.
Chzhao Tszo-san' [Chao Tsê-san]. - Effect of adsorption films on the charge and polarity of mineral particles. p. 68.
Smirnov, V.I. - A month in India. p. 71.
Dean's election. p. 76.

Vol 18, no.4, July-Aug. 1963

Table of contents translated:

Azhgirei, G.D. - Main stages in the tectonic and igneous history of the Greater Caucasus. p. 3.
Voskresenskii, I.A , Khain, V.E , Shurygin, A.M - Overthrust sheets in the southeastern Caucasus and the conditions governing their formation p 15
Leonov, G.P. - Stage divisions of Paleogene sediments in the U.S.S.R. p. 34.
Trofimov, V.T. - Regionalization of the southwestern part of the West Siberian Plain for purposes of engineering geology. p 36.
Khe Go-Tsi (Ho Kuo-ch'i). - Some remarks on the graptolite zones in Ordovician sediments of the Ishim Valley (between Stavropol'skoye and Chernozubovka) p. 45.
Kuznetsov, I.E. - Formation of talc on pyroxene porphyrites in the Southern Urals. p. 51
Dobrev, T., Pishchalov, S. - Comprehensive geological interpretation of gravitational magnetic, and seismic data on the territory of Bulgaria. Part 2. p. 56.
Vorob'evich, S.D - Chemicomineralogical changes in Jurassic and Cretaceous clays of the middle Volga Valley as a result of their weathering. p 69
Lange, O.K., Mel'nikov, K.P. - Dem'ian Ignat'evich Gordeev, on his 60th birthday p. 75.

NOVOSTI KARSTOVEDENIIA I SPELEOLOGII [NEW DEVELOPMENTS IN SPELEOLOGY AND THE STUDY OF KARST PHENOMENA]. Issued by Mezhduvedomstvennaia komissiia po izucheniiu geologii i geografii karsta Otdeleniia geologo-geograficheskikh nauk Akademii nauk SSSR [Interdepartmental Committee for the Study of the Geology and Geography of Karst of the Department of Geological and Geographical Sciences of the Academy of Sciences of the U.S.S.R.] Moscow, no 3, 1963

Table of contents translated

Preface [in Russian and English]. p. 8.
Varsanof'eva, V.A. - Life of Nikolai Il'ich Sokolov. p. 9.
Gvozdetskii, N.A. - N.I.Sokolov as an investigator of karst. p 15.
Rodionov, N.V. - Map of karst rocks and karst phenomena of the European part of the U.S.S.R., the Urals, and the Caucasus made on a 1:2,500,000 scale. p. 19.
Kaveev, M.S. - Influence of Kuybyshev Reservoir on the development of karst-suffusion processes in the Kazan region. p. 25.
Stupishin, A.V. - Data on the study of karst phenomena within the boundaries of the Vyatka Uval obtained in the summer of 1960. p. 30.
Savarenskii, I.A. - Probability of the occurrence of karst sinks of various diameters in the Dzerzhinsk region. p. 35.
Kotlov, F.V. - Quaternary karst. p. 40.
Kotlov, F.V. - Quaternary karst in some cities and industrial centers. p. 42.
Torsuev, N.P - Karst and the economic development of the area in the Onega-Northern Dvina interfluve and the White Sea-Kuloy Plateau. p. 46
Kriger, N.I. - Some problems of the history of karst processes in the Quaternary. p. 51.
Solov'ev, B.L. - Vorontsovka karst cave. p. 57.
Drashnina, I.A. - Possibility of the study of the submarine discharge of karstic waters by electric logging. p. 62.
Levushkin, S.I. - Biospeleological studies in western Transcaucasia carried out in the summer of 1960. p. 66.
Birshtein, A.IA. - Studies of underground fauna in the Crimea carried out in the summer of 1960. p. 69.
Chepizhnaia, E.A. - Genesis of the Sart-Istagan cave. p. 73.
Braginisev, V.F., Blukhin, V.V , Pedanov, I.E. - Study of the Kapova cave. p. 76.
Sherban, M., Fiman, I. - Similarity between underground and surficial river streams. p. 80.
Drashnina, I.A. - Use of aerial photographic surveying in studying karst. p. 82.
Verte, A.M., Heinsalu, J.I. - Studies of karst carried out by the Institute of Geology of the Academy of Sciences of the Estonian S.S.R p 83
Rubel', R.B. - Activity of the Sverdlovsk Speleological Section. p. 85.
Zvereva, V.A. - Karst and caves in the Southern Urals, annotated bibliographical index of the Russian literature, 1918-1960. p 87.

OCHERKI PO ISTORII GEOLOGICHESKIKH ZNANII [STUDIES IN THE HISTORY OF GEOLOGICAL SCIENCE]. Issued by Geologicheskii Institut Akademii nauk SSSR [Geological Institute of the Academy of Sciences of the U.S.S.R.], Moscow, no. 12, 1963. K 100-letiiu so dnia rozhdeniia Vladimira Afanas'evicha Obrucheva [On the centenary of the birth of Vladimir Afanas'evich Obruchev].

Table of contents translated

From the editors. p 5
Obruchev, V.A. - From the reminiscences of the period 1912-1916. p 7.
Obruchev, V.A. - Reminiscences of the second Moscow period 1921-1929 p. 20.
Obruchev, V.V. - V.A.Obruchev's answers to the questionnaire of the Central Institute of Labor. p. 41.
Obruchev, V.V. - From the archives of Academician V.V.Obruchev p. 48.
Fedorovich, B.A , Shcherbakov, D.I - V.A.Obruchev's activity in the Crimea. p. 51.
Pavlovskii, E.V. - From the reminiscences of Vladimir Afanas'evich Obruchev. p. 63.
Adamchuk, V.A. - Geological conjectures of Academician V.A Obruchev on the occurrences of minerals in the Ural Mountains. p. 74.
Nalivkin, D.V. - Aeolian origin of loess. p. 79.
Karlov, N.N. - Significance of V.A.Obruchev's works on the genesis of loess. p 83.
Obruchev, V.A. - Progress of the geological study of Siberia during the last 50 years and some current problems relative to further studies. p. 100.
Nagibina, M.S. - Study of the geology of Siberia during the post-Obruchev period. p. 116.
Lamakin, V.V. - Obruchev fault and Cherskii valleys of the eastern Lake Baikal region. p. 124.
Offman, P.E. - Hypotheses and generalizations in tectonics p 144.
Kucherin, S.P. - Geological riddles of the Arctic and the problem of its artificial warming. p. 197.
Most important data on the creative and scientific activities of V.A.Obruchev. p. 206.
Immortalizing V.A.Obruchev's memory. p. 212.

PALEONTOLOGICHESKII ZHURNAL [PALEONTOLOGICAL JOURNAL], Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, no. 3, 1963.

Table of contents translated

Chuvashov, B.I. - Ecology of Late Frasnian foraminifers and algae. p. 3.
Strel'nikov, S.I - Microstructure of the septal apparatus of some Silurian Tetracoralla. p. 10
Kuz'micheva, E.I - New species of Lower Valanginian single Scleractinia in the Crimean Mountains. p. 18.
Barskaia, V.F. - Ordovician and Silurian corals of the Gornyy Altai p. 27.
Belokrys, L.S. - Variation of the hinge in Sarmatian Mactridae in Borysthenes Bay. p 39.
Sysoev, V.A. - Lower Cambrian chiolites of the genus Torellella in the Anabar arch. p. 49.
Rozhetskov, V.E. - New data on the family Araxoceratidae. p. 56.
Mikhailova, I.A. - Systematic position and the volume of the genus Diadochoceras. p. 65.
Morozova, I.P. - Fenestrallidae, a new family of Fenestelloidea. p. 78.
Krasnets, S.S. - Ontogenesis and phylogenic relations of a new species Bairdestheria (Crustacea). p 84.
Triapitsyn, V.A. - New hymenopteran genus from Baltic amber. p. 89.
Melen, S.V. - Anatomy and nomenclature of the leaves of Angarian Cordaites. p. 96.
Dibner, A.F. - Late Paleozoic vegetation in the northern part of the Tunguska floristic region. p. 108.
Solov'eva, V.V. - Microstructure of the skeleton elements of some Middle Carboniferous Rugosa in the Moscow region. p. 113.
Sharkova, T.T. - New genus Axuolites (Favositida) from the Upper Silurian in Kazakhstan. p. 117.
Flerov, K.K., Shevyreva, N.S. - Pseudalces, a Pliocene deer from Ciscaucasia p. 120.
Khodalevich, A.M., Breivel', M.G. - Paleontological classification in S.M.Andronov's work "Some representatives of the Devonian family Pentameridae from the surroundings of Severoural'sk." p. 124.
Stepanov, L.L. - Two new textbooks of paleontology. p. 128.
Bondareva, T.P., Ivanova, V.A. - Fourth Coordination Conference of Soviet Micropaleontologists. p. 132.
Amitrov, O.V. - Fourth conference of young paleontologists. p 135.
Shcvyrev, A.A - Fifty-fourth annual conference of the American Paleontological Society p 136
Amitrov, O.V. - Report on published works and those sent to press. p. 137.
Astrova, G.G. - Aleksandr Aleksandrovich Chernov, obituary p 138
Dobrolubova, T.A , Kabakovich, N.V - Lilizaveta Dmitrievna Soshkina, obituary p. 140.

REFERATIVNYI ZHURNAL: GEOLOGIIA [JOURNAL OF ABSTRACTS, GEOLOGY], Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, no. 10, Oct. 1963.

SIBIRSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GEOLOGII, GLOFIZIKI I MINERAL'NOGO SYRIA, Trudy [SIBERIAN SCIENTIFIC RESEARCH INSTITUTE OF GEOLOGY, GEOPHYSICS, AND MINERAL RESOURCES, Transactions], Leningrad, no. 24, 1962. Materialy po regional'noi geologii Sibiri [Materials on the regional geology of Siberia].

Table of contents translated:

Preface. p. 3.
Predtechenskii, A.A. - Aldan and Lena stages of the Lower Cambrian p 5.
Predtechenskii, A.A., Shcheglov, A.P. - Biostratigraphic scheme of Lower Cambrian sediments in the Altai-Sayan fold area. p. 10.
Vinkman, M.K., and others. - Scheme of the stratigraphy of Lower Cambrian and the lower part of Middle Cambrian sediments in the Altai-Sayan fold area. p. 23.
Koptev, I.I. - Age of the "Bazaikha" Cambrian fauna complex. p 35.
Vinkman, M.K , Gintsinger, A.V. - Correlation of Cambrian sediments in the western part of the Altai-Sayan fold area. p. 38.
Kraevskii, B.G. - Stratigraphy of Lower and Middle Cambrian sediments in the Bol'shaya Yerba basin (Batenevskiy ridge). p. 79.
Astashkin, V.A. - New data on the stratigraphy of Middle Cambrian sediments in the Salair Ridge. p. 87.
Koptev, I.I. - Relationship between Kolba-Tolgashino series in Krasnoyarsk Territory. p. 92.
Poletaeva, O.K. - Fauna of Kamenka and Sanashtykgol horizons in the Bol'shaya Isha Valley in the Gornyy Altai. p. 97.
Gintsinger, A.B., Vinkman, M.K. - Stratigraphic position of phosphorite and manganese occurrences in Gornaya Shoriya and in the Kuznetsk Ala-Tau. p. 107.
Sennikov, V.M. - Ordovician of the Uymen'-Lebed' synclinorium in the Gornyy Altai p. 110.
Gintsinger, A.B. - Stratigraphy of the Ordovician of the Anu-Chuyka and Charysh-In synclinoriums in the Gornyy Altai. p. 134.
Krasnov, V.I. - Biostratigraphy of Devonian sediments in the South Minusinsk Lowland. p 151
Sennikov, V.M. - Upper Devonian and Carboniferous volcanism in the Altai-Sayan fold area. p. 156.
Sholkovnikov, A.D. - Intrusive complexes of the northwestern part of the Eastern Sayan Mountains and their metallogenic role. p. 161.
Marlich, I.V. - Age of the Aksay massif in the southeastern Altai. p. 170.
Martynov, V.A. - Lower boundary of the Quaternary system in the southern part of the West Siberian Plain. p. 182.

UZBEKSKII GEOLOGICHESKII ZHURNAL [UZBEK GEOLOGICAL JOURNAL]. Issued by Akademiia nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.] Tashkent, vol. 7, no. 4, 1963.

Table of contents translated:

Akramkhodzhaev, A.M., Fedotov, Iu.A. - Oil and gas potentials of the Kara-Kalpak A.S.S.R. p. 5.
Karimov, A.K. - Quantitative estimation of the "carbonization hydrocarbons" of organic matter in rocks. p. 10.
Eshmanov, K. - Some results of the study of the lithology of Cretaceous sediments in the southern Ural Mountain region. p 18.
Avazov, T.N. - New data on the hydrogeological conditions of Gazli structures. p. 26.
Akhmedov, Kh. - Lithologic pools in the Cretaceous sediments of Mayilsu 4 (Narya monocline). p. 34.
Ibragimov, Z.S., Korsakov, S.P. - Reservoir properties of terrigenous sediments of the Cretaceous of the Southern Mubarek structure. p. 39
Ryzhkov, O.A. - Some characteristics of the recent tectonics of the Bukhara-Karshi system of structures. p. 44.
Zindel', L.A., Kamalov, IA. - Mineralogical composition of clay minerals in Cretaceous sediments of Tyubegatan and Aulat (southwestern spurs of the Gissar Range). p. 47.
Babaev, K.L. - Quantitative characteristics of igneous activity in Central Asia p. 51.
Zharikov, M.G., Nikiforov, N.A. - Some characteristics of the distribution of mercury mineralization in the listvenite zones of southern Fergana. p. 60.

710 - 838 O - 64 - 5

Shavlo, S.G. - Localization of rare-metal ores depending on the morphology, structure, and texture of vein bodies. p 69

Laeit, V I , Shor, G.M. - Underground water of the Karakata Depression p.73.

Ganiev, K G. - Possibility of obtaining additional water resources in the Shakhristan Depression from deep horizons p 83.

Abdulkhai Batalovich Batalo., obituary p 87

VOPROSY GEOLOGII I MINERALOGII KOL'SKOGO POLUOSTROVA [PROBLEMS OF THE GEOLOGY AND MINERALOGY OF THE KOLA PENINSULA] Issued by Kol'skii filial Akademii nauk SSSR [Kola Branch of the Academy of Sciences of the U S S R] Moscow, no 4, 1963

Table of contents translated

Mirskaia, D D , Sustova, S N - Interrelationship of sedimentary and igneous rocks within the Pechenga series. p. 3

Tokarev, V A , Garifulin, L L. - Stratigraphy of the Kolmozero-Voron'ya series p 24

Mikheevskii, S I , Nikolaeva, K A - Stratigraphic interrelationships of Pre-Cambrian sedimentary-metamorphic rocks in the northwestern part of the Kola Peninsula. p. 34

Zagorodnyi, V G - Drusites of the northwestern part of the Kola Peninsula (Pechenga District). p. 41

Mirskaia, D D , Sustova, S N. - Welded tuffs of the Pechenga series (Kola Peninsula) p. 49.

Tokarev, V.A., Garifulin, L.L - Genesis of amphibolites in the eastern part of the Kolmozero-Voron'ya series. p 63.

Sustova, S.N - Primary structures in sedimentary rocks of the Pechenga series. p. 75

Liubtsov, V.V , Afanas'ev, A.P. - Possibilities of using electron microscopy for the isolation of microscopic organic remains in solid sedimentary rocks. p 87.

Romanikhin, A.M - Effect of temperature factor on the gas component of some rocks in the Kola Peninsula. p 91

Panasenko, G.D - Crustal thickness in the Kola Peninsula p. 98

VSESOIUZNOE MINERALOGICHESKOE OBSHCHESTVO. Armianskoe otdelenie Zapiski [ALL-UNION MINERALOGICAL SOCIETY Armenian Branch Records]

Erivan, no 2, 1963

Table of contents translated

Faramazian, A.S., Khurshudian, E.Kh - Enargite and luzonite from the Kadzharan copper-molybdenite deposit. p.5.

Khachaturian, E A., Paronikian, V.O. - Hypogenic covelline in the ores of the Tandzut iron-pyrite deposit. p.18.

Zar'ian, R.N - Mineralogy of ores of the Athizskiy section in the Kadzharan deposit p. 22.

Shirinian, K.G., and others - Some characteristics of the distribution of trace elements in the recent volcanic products of Armenia. p. 27.

Meliksetian, B.M. - Minerogeochemical properties of alkali rocks in the Megri pluton. p.57.

Abovian, S.B. - Nickel and cobalt potentials of ultrabasic intrusive rocks on the northeastern coast of Lake Sevan. p.81.

Nisanian, G.B., Petrosov, I.Kh. - Mineralogical composition of Paleozoic clay shales in the southwestern part of the Armenian S.S.R. p.88.

Drits, V.A., Petrosov, I.Kh. - Palygorskite and chlorite in Oligocene and Miocene clays in the Erivan region of the Armenian S.S.R. p.95.

Bagdasarian, G.P., Chibukhchian, Z O. - Petrography and conditions governing the formation of the Lermontovo gabbroic intrusive. p.103.

Karamian, K.A., Arevshatian, T.A., Avakian, A.M. - Pegmatite formations of the Kadzharan ore zone. p.118.

Malkhasian, E.G., Kazarian, G.A. - Petrography of keratophyre in the Shamlug-Akhtala ore zone. p.131.

Kazarian, A.G - Wall rock alternation in the Akhtala barite-complex metal deposit. p.142.

Abovian, S B. - Age relationships of ultrabasic and basic intrusive rocks in the ophiolite formation in the Armenian S.S.R. p.156.

Meliksetian, B.M. - Find of accessory chrysoberyl in the alkali pegmatites of Megri District. p.163.

Adamian, A.A. - Spherical inclusions in andesite-basalts of the Tsovinar region. p.167.

Karapetian, A.I. - Sulfobismutites of copper in ores of the Ankavan copper-molybdenum deposit. p.172.

13. SCIENCE

GENERAL

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan, Doklady [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Reports], Erivan, vol.36, no.3, 1963.

Table of contents translated:

Martirosian, R.M. - Spectra of certain non-self-adjoint operators. p.129.

Petsko, N.D. - Projective metrization and complex numbers p.137.

Sarkisian, S.TS. - Properties of solutions to Cauchy-Riemann systems with nonlinear right-hand parts. p.141.

Petrosian, A.V. - Some aspects of the interference-free operation of functions of algebra of logic p.147.

Zadoian, M.A. - Creep in the torsion of a circular conical rod made of material characterized by non-steady-state inhomogeneity. p.153.

Magomedov, M.R. - Green's function for a wave equation in the case of two dispersive media. p.157.

Shi, IAn - Spectrum of spin waves. p.163.

Lele, IU.A. - Occurrence of molybdenite in the Kafan ore field linked with Upper Bajocian volcanic activity. p.169.

Gukasian, R.Kh. - Use of the Rb - Sr method in determining the absolute age of recent intrusives as exemplified by the Megri plutonic rocks of the Armenian S.S.R. p.173

Bal'ian, S.P. - Recent data on the ancient glaciation of Armenia. p.179.

Akopian, V.T. - Recent Upper Cretacian gastropoda of the Armenian S.S.R. p.183.

Chailakhian, M.Kh., and others. - Effect of growth promoting substances on tubercle formation and the growth of alfalfa plants. p.189.

*AKADEMIIA NAUK SSSR, Doklady [ACADEMY OF SCIENCES OF THE U.S.S.R. Reports], Moscow, vol.151, no.6, Aug. 1963.

Table of contents translated

MATHEMATICS:

Aizenberg, L.A. - Integral representation of functions holomorphic in convex regions of Cn space. p 1247.

Anosov, D.V. - Ergodic properties of geodesic flows on closed Riemannian manifolds of negative curvature. p.1250.

Bovdi, A.A - Imbedding of cross products into bodies. p.1253.

Vitushkin, A.G., Ivanov, L.D., Mel'nikov, M.S. - Incommensurability of the minimal linear measure with the set length. p.1256.

Volosov, V.M., Morgunov, B.I. - Asymptotic nature of certain rotary motions. p.1260.

Dergunov, V.I., IAkubovich, V.A. - Existence of solutions to linear Hamiltonian equations with unbounded operator coefficients. p.1264.

Kantor, I.L. - Generalization of reductive homogeneous spaces. p.1268.

Karatopiakliev, G. - Generalization of the T problem for the equation $u_{xx} + \text{sign } y u_{yy} = 0$. p.1271

Karpelevich, F.I. - Non-negative eigenfunctions of the Beltrami-Laplace operator on symmetric spaces of non-positive curvature. p.1274.

Mamedkhanov, D.I. - Some extremum problems in the class of polynomials and rational functions. p.1277.

Medvedev, V.A - Use of the method of least squares in solving eigenvalue problems. p.1280.

Men'shov, D. - Universal sequences of functions p.1283.

Proizvolov, V.V. - Condensations on Euclidean spaces p.1286.

Simonenko, I.B. - Interpolation and extrapolation of linear operators in Orlicz spaces. p.1288.

Sprindzhuk, V.G. - Measure of a set of S-numbers in a p-adic field. p.1292.

IAnkov, V.A. - Relationship between deducibility in intuitionistic propositional calculus and finite implicative structures. p.1293.

CYBERNETICS AND REGULATION THEORY:

Shebshaevich, V.S. - Some problems in the theory of navigation. p.1295.

AERODYNAMICS:

Fridlender, B.I. - Cross-shaped wing of finite span in a compressible flow. p.1299.

THEORY OF ELASTICITY:

Pogorelov, A.V. - Loss of stability of a shell of revolution under external pressure uniformly distributed along a parallel. p.1303.

ASTRONOMY:

Nikitin, A.A. - More exact definition of the spectral pattern of OH utilized in calculating its recombination spectrum in stars and nebulae. p.1306.

PHYSICS:

Sobolev, V.V. - Experimental study of the zone structure of hexagonal selenium and tellurium crystals. p.1308.

TECHNICAL PHYSICS:

Borisov, V.T. - Mechanism underlying the normal growth of crystals. p.1311.

GEOPHYSICS:

Bogdanov, K.T., Magarik, V.A. - Use of the BESM-2 computer in determining the S_2 tidal component for the Pacific water area. p.1315.

CHEMISTRY:

Berdichevskaia, K.M., Chugunov, V.S., Petrov, A.D. - Synthesis of some fluorine-containing silylferrocenes. p.1319.

Bresler, L.S., and others - Copolymerization of 1, 3-butadiene with 2, 3-dimethyl-1, 3-butadiene in the presence of various ion-type catalysts. p.1322.

Viazankin, N.S., Razuvaev, G.A., Gladyshev, G.A. - Bis-(triethylgermyl)mercury, the first organogermanium compound of mercury. p.1326.

Golubtsov, S.A., and others - Reaction mechanism underlying the formation of dialkyldichlorosilanes p.1329.

Korshak, V.V., Mozgova, K.K., Babchinitser, L.M. - Preparation of graft copolymers. Copolymers of polytetrafluoroethylene with methyl methacrylate p.1332

Liu TSiun'-khua [Liu Ch'un-hua], Rashinkin, A.S., Novoselova, A.V. - Germanium - sulfur systems p.1335.

Nesmeianov, A.N , Isaeva, L.S., Tolstaia, T.P - Dimethylphenylsulfoxonium salts. p.1339.

Petrov, A.A., Portnykh, IU.I., Sokolov, L.B - Course of the reactions in which electrophilic and nucleophilic reagents are added to asymmetrical homologs of diacetylene. p.1343.

Pravednikov, A.N., and others - Free-radical polymerization of triazine cycles. p.1347.

Shulkin, N.I , and others - Synthesis of tetrahydrofuran ketones and their isomerization to γ-diketones. p.1350.

PHYSICAL CHEMISTRY

Ablov, A.V., and others - Mössbauer spectra of complex compounds of iron with diacetylthiocarbazone oxime. p.1352.

Belavtseva, E.M., Gumargalieva, K.Z., Kiliakovskii, A.I. - Electron microscope study of the structure of capron and lavsan fibers treated with perphotungstic acid. p.1360.

Brodskii, A.I , Lunenok-Burmakina, V.A. - Nature of surface platinum oxides formed during the anodic discharge of hydrogen peroxide. p.1358.

Vainshtein, E.E., and others. - On certain results of an X-ray spectrum analysis of cerium and lanthanum hydrides. p.1360.

Ershova, T.P , Pontiatovskii, E.G. - Effect of pressure on the phase equilibrium of graphite - cementite in the iron - carbon system. p.1361.

Keler, E.K., Kozlovskaia, E.I. - Plastic properties and crystal formation in glasses. p.1366.

Kuz'min, M.G - "Negative temperatures" in reversible photochemical reactions. p.1371.

Levin, E.S. - Change of the mechanism underlying electrochemical reactions in a nonequilibrium system in response to the addition of a proton donor p.1375.

Levich, V.G , Grabovskii, Z Ch., Filinovskii, V.Yu - Kinetic and catalytic currents on a hanging dropping electrode. p.1379.

Nigmatullin, R.Sh. - General equation and electric analog of an electrolytic cell with a stationary spherical microelectrode. p.1383.

Pikaev, A.K., Ghazunov, P.IA., Spitsyn, Vikt. - Approximate values of the rate constants of radiation reactions when a hydrated electron is involved. p.1387.

Rozovskii, A.IA. - Effect of the reaction mixture on the catalyst during a catalytic process. p.1390

CHEMICAL TECHNOLOGY:

Baranov, A.A., Bunin, K.P. - Chemical mechanism underlying the action of modifying agents in oxidized alloys. p.1393.

GEOLOGY:

Budanov, V.I. - Origin of rapakivi in geosynclinal areas (as exemplified by rapakivi of the Dzhetymsk intrusive in the Pamirs). p.1395.

Gainanov, A.G., Solov'ev, O.N. - Nature of magnetic anomalies in the area of transition from the Asian continent to the Pacific Ocean. p.1399.

Pap, A.M. - Rocks of the Ovruch series in the composition of the crystalline basement of the Zhitkovichi region (White Russian S.S.R.). p.1402.

Chuprov, V.V. - Alkali intrusives of western Transbaikalia and the basic features of their structure p.1406.

MINERALOGY:

Kapustin, IU.L. - New find of wadeite in the Soviet Union. p.1410.

IAkovlevskaia, T.A., Efimov, A.F. - New data on the crystallography of minerals in the batisite-lecontite-bakovite series. p.1413.

PETROGRAPHY

Belov, A.N. - Possibility of a statistical study of the mineral sequence in igneous rocks. p.1416

Gladkovskii, A.K., Sharova, A.K. - "Triassic" basalites on the eastern slope of the Urals. p.1420.

Efimov, A.A., Ivanova, L.P. - Metasomatic zonality in contacts of Uralian platinum-bearing dunites and pyroxenites. p.1424.

GEOCHEMISTRY:

Bulatov, D.I. - Behavior of phosphorus during contact metasomatic processes as exemplified in the Mal'e Kuybas and Magnitnaya Mountain deposits. p.1427

Lavrenchuk, V.N., Tolstikov, V.A. - Gallium balance in bauxites. p.1430.

OCEANOLOGY:

Chernyshova, V.I. - Olivine-basalt in the area of the northern end of the underwater Hawaii Range. p.1433.

CYTOLOGY:

Kallinikova, V.D., Roskin, G.I. - Blepharoplast cytochemistry in Trypanosoma (Schizotrypanum) cruzi. p.1437.

HISTOLOGY
Gorbunova, M. P. - "Light" cells of the thyroid gland. p. 1441.
GENETICS:
Gavrilova, O. M. - Effect of the amount of pollens on the fertilization process in Mirabilis jalapa. p. 1444.
Neifel'di, I. A. - Indian cuckoo (Cuculus M. Micropterus Gould), a nest parasite of the Amur shrike (Lanius cristatus confusus Stegm.). p. 1446.
BIOPHYSICS.
Chalisov, I. A., Berlin, L. B. - Restorative processes in the mucous membrane of the duodenum after a radiation injury. p. 1450
BIOCHEMISTRY.
Gabrielian, N. D., Novikova, M. A., Zhdanov, G. L. - Capacity of uridinediphosphoglucose analogs to take part in the biosynthesis of saccharose. p. 1453.
PLANT PHYSIOLOGY
Makhonina, G. I., and others - Distribution of Sr^{90} and Ru^{106} in the basic organs of pine. p. 1456.
ZOOLOGY.
Bogdanova, E. A. - Division process in Trichodina truttae Mueller (Infusoria, Peritricha). p. 1458
PHYSIOLOGY.
Dzhavrishvili, T. D. - Electrical activity of isolated neurons of the somatosensorial cortex. p. 1462.
EMBRYOLOGY.
Ignat'eva, G. M. - Comparison of the dynamics of the invagination process of the chordamesoderm material in the embryos of starred sturgeon, sturgeon and axolotl. p. 1466.
PARASITOLOGY
Balashov, Iu. S. - Destruction of the erythrocytes of vertebrates in the digestive tract of bloodsucking arthropods. p. 1470.
Skrjabin, K. G. - Study of the developmental cycle of the cestode Raillietina (Skrjabinia) fedjushini Skrjabin, 1963, a parasite of poultry. p. 1474.
Uspenskaia, A. V. - Hyaluronidase at different stages of the life cycle of Ichthyophthirius multifiliis. p. 1476.

AKADEMIIA NAUK URSR, Kiev, Dopovidi [ACADEMY OF SCIENCES OF THE UKRAINIAN S. S. R. Reports]. Kiev, no. 8, 1963.

Table of contents translated.

Martynenko, M. D. - Some boundary value problems in the theory of elasticity for regions with slits. p. 983.
Parasiuk, L. S. - Fundamental solutions to elliptic systems of differential equations with discontinuous coefficients. p. 986.
Berezovskyi, A. A., Shulezhko, L. F. - Parametric resonance of a plate under conditions of nonlinearity. p. 989.
T'Sykanok, I. I. - Superpositions of N-functions. p. 993.
Chihar'ov, V. M. - A Dirichlet problem. p. 997.
Nosenko, O. S. - Region of the values of the derivative of a convex function univalent outside a unit circle. p. 1001.
Pukhov, H. IE. - Linear algebraic transformer. p. 1006.
Rabinovych, Z. L., IErema-IEremenko, A. A. - Calculating the sensitivity of a trigger with automatic bias. p. 1009
Pidstrygach, IA. S. - Generalization of the theoretical model of a solid body. p. 1015.
Karpov, M. I. - Free vibrations of a cylindrical shell reinforced with rigid ribs. p. 1018.
Varvak, P. M., Varvak, O. P. - Momentless shallow shells of equal resistance with a rectangular plan. p. 1021.
Tychyns'kyi, A. V. - Distribution of hydrodynamic pressure on the bottom behind the bucket damper of a spillway. p. 1026.
Shabrin, A. M. - Turbulent characteristics of processes in the case of unsteady motion. p. 1030.
Rulvol, V. M. - Shallow spherical shell weakened by an eccentric circular hole. p. 1035.
Duma, D. P. - Calculating the orientation elements of the fundamental catalogs from lunar observations. p. 1041.
Levchenko, V. I., Rostovtsev, S. T. - Silicon reduction from blast furnace slag. p. 1046.
Kim, K. I. - Suppression of the Hall effect in continuous media. p. 1052.
Berezhnoi, A. S. - On some cases of the formation of tetrahedral four-component systems. p. 1055.
Skarchenko, V. K. - Selectivity of dehydrogenation catalysts. p. 1058.
Golub, A. M., Kostrova, R. A. - Thiocyanate complexes of vanadium (III) in methanol. p. 1061.
Zemlians'kyi, M. I., Muravlov, I. V. - Substituted dithiophosphates. p. 1064
Voitovich, B. A., Barabanova, O. S. - Phase transitions in the systems $TiCl_4$ - $POCl_3$ - $AlCl_3$ ($NbCl_5$, $TaCl_5$). p. 1068.
Alekseenko, N. V. - Strength of solutions and concretes prepared from expanding cement. p. 1073.
Strelkov, M. I., Chumak, Z. P. - On pseudoforms of hydration of binders observed by the electron microscope. p. 1076.
Vialov, O. S., and others - Cretaceous deposits of the western part of the eastern Carpathians. p. 1081
Romodanova, A. P. - Geomorphologic map of the left bank of the middle Dnieper. p. 1085.
Povarennykh, O. S. - Formulas for determining the specific gravity of type A_2X_3 and AX_3 crystals. p. 1089.
Ripun, M. B. - Strontianite from Upper Jurassic limestones of Lvov Province. p. 1092.
Bol'shakov, A. P. - Some data on accessory rare earth and dispersed elements in minerals of the Nikitovka mercury deposit. p. 1096.
Panov, B. S. - Fluorite in Donets Basin Devonian sandstones. p. 1099.
IUr'ev, L. D. - Contact reaction phenomena in Yekaterinovka granites of the Azov Sea region. p. 1102.
Kraiushkin, V. O. - Using moving waters in an analytical study of the relationships of the incline of water-oil contacts. p. 1107
Kornilov, M. O. - Psilomelane from the crust of weathering of ferruginous quartzites of the Korsak Mogila deposit. p. 1111
Kononov, IU. V., Riabchun, V. K. - Age relationships of veinstones of the Smela massif. p. 1115.
Ripets'kiy, R. T. - Variability of the form of nuclear polyhedra of the silkworm Bombyx mori L. at various stages of development. p. 1119.
From the editors. p. 1123.

AKADEMIIA NAVUK BSSR, Minsk, Doklady [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S. S. R. Reports]. Minsk, vol. 7, no. 6, June 1963.

Table of contents translated:

Morozov, N. F. - Nonlinear problems in the theory of thin plates with p axes of symmetry. p. 361.
Safonov, S. A. - Finite groups with two classes of unattainable isoordal subgroups. p. 364.
Liskovets, V. A., Feinberg, V. Z. - Permutability of mappings. p. 366.
Konovalov, E. G., Korolev, N. I. - Theoretical study of the shape of a full-contact roller for the rotary machining of shafts. p. 370.
Sirota, N. N., Koren', N. N. - Formation of semiconducting films of zinc telluride on zinc single crystals in reactive diffusion. p. 373.
Anisimov, S. I., Romanov, G. S. - Kinetics of the decay of two-atomic molecules in the absence of vibrational equilibrium. p. 376
Kazachenko, L. P. - Application of the method of moments in the definition of spectra. p. 378.
Nikitina, L. M., Kuchmel', M. A. - Coefficients of mass transfer in layers of certain materials. p. 382.
Dovnar, S. A., Chepa, P. A. - New method for solving the problem of durability and strength of dies for the deformation of metals and alloys in a hot state. p. 384.
Sviridov, V. V., Branitskii, G. A. - Catalytic activity of silver obtained in the photochemical decomposition of silver oxalate. p. 387.
Kurov, V. I. - Kinetics of the thermal decomposition of sodium ethyl carbonate. p. 391.
Lukashev, K. I., Makhnach, S. D. - Mineralogical composition of arenaceous-silt particles of alluvial and fluvioglacial deposits in the Polesye. p. 395.
Kiselev, P. A. - Using a curve of ground water level fluctuations in determining insufficient saturation of rocks at points of equal infiltration feed. p. 401.
Tikhonov, S. A. - Uranium in turf-Podzolic soils of the central and northeastern areas of the White Russian Polesye. p. 405.
Mishnev, V. G., Mantsevich, E. D., Savchenko, V. K. - Reaction of oak acorns and seedlings to gibberellin. p. 410.
Godnev, T. N., Shabel'skaia, E. F. - Early stages of the formation of pigments in some plants. p. 414.
Mashtakov, S. M., Prokhorchik, R. A. - Study of triazine derivatives as growth regulators in plants. Report no. IV. Effect of simazine and atrazine on the change in intensity of the photosynthesis and respiration of plants. p. 418.
Tolstykh-Chernitskaia, L. M., Gur'lanov, IU. V. - New modification of the method of recording the contraction of skeletal and unstriated muscles by using small-capacitance transducers. p. 422.
Markov, D. A., Kot, V. I., Koshkina, N. I. - Rossolimo's "reversed" reflex. p. 425.

Vol. 7, no. 7, July 1963

Table of contents translated:

Krylov, V. I., Bobkov, V. V. - Integral relations method for the Goursat problem. p. 433.
Platonov, V. P. - Solvable algebraic linear groups. p. 439.
Lukashevich, N. A. - Limiting cycles of a certain system of differential equations. p. 443.
Sirota, N. N., Rozov, V. V. - Lattice identity period and microhardness of solid solutions of indium and gallium phosphides. p. 446.
Rubanov, A. S., Sedoi, G. I. - Entropy of the distribution of coordinates and pulses of a particle situated in a potential well with infinite walls. p. 449.
Akulov, N. S., Shukevich, A. K. - Use of the statistical theory of dislocations in deriving the fundamental relations for strength curves. p. 453.
Pavliuchenko, M. M., Popova, T. I. - Energy of elementary events of formation of the peroxide ion. p. 456.
Khachaturov, A. S., and others - Nuclear magnetic resonance spectra and structure of oligomers of 1, 3-cyclohexadiene. p. 459.
Bogomolov, G. V. - Determination of the depth of bedding of a crystalline basement from the surface of saline soils. p. 464
Stadnik, G. G., Stadnik, IU. N. - Possibility of mapping the crystalline basement of the central White Russian S. S. R. by the correlation refracted wave method. p. 467.
Lukashev, K. I., Zhukhovitskaia, A. L., Zamiatkina, A. A. - Some features of the formation of the chemical composition of river waters of the Polesye lowland in the White Russian S. S. R. p. 470.
Gorev, K. V., Tolpenets, R. L., Mendeleev, L. T. - Change in the fine texture of alloy EI-437 in dispersion hardening. p. 474.
Dudko, Z. G. - Dynamics of the accumulation and translocation of assimilants in corn. p. 477.
Vecher, A. S., Vasil'kevich, O. K. - Rapid method for the refractometric determination of native proteins in vegetable juices. p. 481.
Ivanov, S. N., Khapkina, Z. A. - Effect of various methods of introducing the superphosphate and humus mixture on the assimilation of phosphorus by corn. p. 485.
Bulygin, I. A. - Role of inverse relationships in the circular and chain reflex reactions of an organism. p. 488.
Mikhailova-Lukasheva, V. D. - Conditioned reflex activity of elderly people. p. 492
Kotin, M. M., Mashenkov, V. A., Pikulik, L. G. - Ultraviolet absorption spectra of the cerebrospinal fluid in neurological patients. p. 498.

Vol. 7, no. 8, Aug. 1963.

Table of contents translated:

Krylov, V. I., Liskovets, O. A. - Estimating the error of the straight line method in solving Goursat's problem. p. 505.
Suprunenko, D. A., Platonov, V. P. - A theorem of Schur. p. 510.
Vorob'ev, A. P. - Construction of isochronous systems of two differential equations. p. 513.
Cherkas, L. A. - Analytic structure of solutions to the equation $\frac{dy}{dx} = \frac{\mu y + \sum_{i+k=n} a_{ik} x^i y^k}{\mu x + \sum_{i+k=n} b_{ik} x^i y^k}$. p. 516.
Bogush, A. A. - Calculation of the matrix elements of scalar particles. p. 520.
Rubinov, A. N., Ivanov, A. P. - Determining the parameters of pulsed tubes from observations of nonlinear optical phenomena. p. 524.
Akulov, N. S., Kulik, A. IA. - Theory of fatigue of metals. p. 528.
Makushok, E. M. - Plasticity condition in a shear line field. p. 531.
Lipatova, T. E., Budnikova, V. A. - Solidification of soluble polymers based on acrylic polyesters. p. 534.
Kosi, V. N., Vasil'eva, T. T., Freidlina, R. Kh. - Rearrangement of radicals in the process of dimerization of 3-fluoro-3, 3-dichloropropene and 3-fluoro-2, 3, 3-trichloropropene. p. 538.
Lukashev, V. K., Sologub, V. M. - Accumulation of loess material in the deposition process of terminal moraine (as exemplified in the Mozyr' Hills). p. 543.
Zekker, I. S., Lavrov, A. P. - Hydrogeological zoning of large river basins according to the conditions of the formation of subsurface flow into the rivers (as exemplified by the Western Dvina River basin). p. 548.
Ges', D. K., Kozlovskaia, N. V. - First find of Oxytropis pilosa L. in White Russia. p. 552.
Slezenko, Z. F. - Temperature of plant leaves under natural conditions. p. 554.
Mashtakov, S. M., Prokhorchik, R. A. - Study of triazine derivatives as regulators of plant growth. V. Change in the photochemical activity of chloroplasts under the influence of simazine and atrazine. p. 557.
Koloshko, O. I., El'bert, B. IA., Reznikov, M. IA. - Effect of the duration of the action of ultrasonic waves on the development of Azotobacter. p. 561.
Zaporozhets, A. A. - Physical and biological airtightness of the two-raw suture applied to the small intestine during first days following surgery. p. 565.
Gordei, E. S. - Zinc content in the blood and plasma of children with pneumonia. p. 569.

EESTI LOODUS [ESTONIAN NATURE]. Issued by Eesti NSV Teaduste Akadeemia [Academy of Sciences of the Estonian S. S. R.]. Tallinn, no. 6, Sep.-Oct. 1963. [in Estonian]

NAUKA I ZHIZN' [SCIENCE AND LIFE] Issued by Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii [All-Union Society for Dissemination of Political and Scientific Knowledge] Moscow, vol 30, no 5, May 1963

Table of contents translated:

Tel'-Minasova, N , Starovskii, V.N - Figures talk p. 2
Levitin, K., Melamed, A - "Avant-garde" paves the way p 6.
Under reliable protection p. 12.
Nikolaev, A - Electron as a tool. pp. 2 of cover, 14
Filatov, V. - Reminiscing. Eagle, verse p. 15.
Konecny, Frantisek. - Czechoslovak rubber p. 16.
Katona, Z. - Medical electrical thermometers p.17
Platysheva, N. - Second trip of the Taman sarcophagus p. 19
Emel'ianov, V.S. - Science and life (conclusion) p 22.
Chechik, E - Synthetic fibers - p 24.
Lozhechko, A. - Golden ears of corn in the Moscow region. p. 26
Revich, Vsevolod - Firing at a hail cloud p. 29.
With our colleagues. p 35
Tsukerman, A.M. - New stimulants of growth p. 36.
Genin, D - From the history of the fingerprint p. 37.
Solov'ev, IU. - A law for assembly-line production p. 38.
Peresvetov, R. - Fate of an ancient archive. p. 42.
Problems in logic pp 45, 110
Dobromyslov, V.A. - To avoid cliches p. 46
Rozov, N.Kh , Ul'ianov, P L. - Examination in mathematics. p. 47
Ushakov, S. - Problems without complicated calculations. pp. 50, 109.
Pisarzhevskii, Oleg - Why did he steal the radioactive cobalt? p. 50.
Bol'shakov, Valentin - In the world of peaks, glaciers and rocks. p. 51
Bolshakov, V. - At the borders of Neptun's Kingdom p. 51.
Veksler, A. - Club of young archaeologists p 52.
Drapkin, B., Gann, I - Prevention of stammering (to be continued). p. 55
Orlov, Evgenii. - It is light and waterproof p. 57.
Abroad. p. 58
Levin, A - Pencil shapped soldering bit. p. 60
Bel'kovich, V., IAblokov, A. - Marine animals let designers "share" in their "experience " p 61.
Stepin, B.D., Brudz', V.G. - Particularly pure p. 65
Kostygova, T., Nikulina, G. - Why does man need a nose? p. 67.
Imshenetskii, S. - Bird subordination p. 70
Mal'chevskii, A.S. - With a taperecorder in the woods. p. 70.
The four whales of chemistry. p. 74.
Trauberg, L - The game is worth it p. 76
Churanov, S. - Problems of the second round of the Moscow Chemistry Olympiad. pp. 81, 110.
Chizhevskii, A L. - "Worldwide sympathy." p. 82.
Camera of curiosities. p 86.
Clark, A. - The pacifist, a story. p. 88.
Alekseev, A. - Seventy years later p. 92.
Tokman, A.S. - How to get rid of snoring. p 95
Uspenskii, Lev. - Biography of words p. 96.
Lepaev, D. - If an electric razor breaks down .... p. 98.
Blocks for everyone. p. 100.
Botanical experiments with homemade apparatus p. 101.
Vlasov, V - Science in the fight against crime. p. 102.
Tanasiichuk, V. - How insects dress up. p 105
Answers to problems. pp 108, 110.
Kozhevnikova, A. - A duckling gets out of the egg. p. 112.
Experiment with an egg shell. p. 112

Vol. 30, no. 9, Sep. 1963.

Table of contents translated

Bergel'son, L. - Alliance between chemistry and stockbreeding p. 2.
Means of feeding carbamide (urea). p. 6.
Kolesova, O. - Chemical weeding of a forest. p. 6.
Kost, A., Terent'ev, P. - Treasures of the methane family. p. 8.
Cherniak, I - Plants as indicators. p. 11.
Ostroumov, Georgii. - Search for the best. p. 12.
Dushen'kin, V - First recipient of the Order of the Red Banner. p. 16.
Emel'ianov, V. - Science and life (to be continued) p. 19
Kardashev, Mikhail. - House on the "Razgulyay." p. 22.
Kharadzha, F. - It has a measurement range from 0.4 to 1,000,000 roentgens a minute. p. 24
Kuleshov, N. - A geographer, botanist, agronomist, and traveler. p. 26.
Petrovskii, K. - More on cholesterol. p. 26.
Molchanova, O. - Variety is the basis for rational nutrition. p. 26.
Neviazhskii, I., Trunin, IU. - Horizons of aerial photography. pp. 28, 32a, 1 of cover.
Brodskii, Boris. - Great Benin p 33
Novikov, M. - Psychologists have started investigating the problem how to form a spaceship crew. p 39.
Table talk. p. 41
Levitin, K , Melamed, A. - Cold welding. pp. 42, 2 of cover.
Sergeev, G. - The "Electroson" apparatus cures hypertension. p 48
Building blocks for all p. 50.
Rakhmanova, V - Surgeons wage war against insultus p. 51
Abroad, p 52
Little tricks. p 54.
Shklovskii, I - Astronomy in 20 years. p. 55.
Rozov, N. - Mathematical Olympiad. p 61
Vishnevskii, V. - With an aqualung under the clouds. p 62.
Malinovskii, A. - Siege of myopia. p 65.
With our colleagues. p. 69.
Chamber of curiosities p. 70.
Tendriakov, V - Century long journey (to be continued) p 72.
Kozlov, M., Ninburg, E Tiny enemies of big lobbers. p 86.
Shchipachev, Stepan - "Bullet caught up with him. " p. 86.
Akimushkin, I - Damselfish and actinia. p 89.
Fedorov, G. - Finding of Tiverts) settlements (conclusion) p 90.
Mathematical recreations. p. 95.
Practice in psychology. p 95
Kofman, R. - Punishment, a tricky problem p. 95.
Dobromyslov, V. - Is it necessary to know grammar? p 96.
Dictionary of synonyms (to be continued). p. 96.
Uspenskii, Lev. - Biography of words. p. 98.
Martin, M. - Color in industry. pp 100, 3 of cover.
Tarling, Hans. - Myth about "death rays." p. 102.
From the history of a thousand-year-old friendship p 103.
Orlov, E. - Experiments with magnets. p 104.
Lepaev, D -First aid to a washing machine. p 106.
Chernyev, S. - Refrigerator and thermos. p 110.
Answers to problems. pp. 108, 111.

NAUKA I ZHYTTIA [SCIENCE AND LIFE] Published by Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR [Society for Dissemination of Political and Scientific Knowledge of the Ukrainian S S.R] Kiev, vol 13, no 7(148), July 1963

Table of contents translated

Holovko, M - Under the banner of Lenin. p. 1
New victory in space p. 4.
Kopnin, P - Man and machine. p. 6.
Svetlova, V. - "Random walks" and when the brain functions as a television set. p. 6.
Kovalevs'kyi, V. - Nature's suggestions to engineers. p. 10
Bahrov, M - Chernigov capron p. 15.
Levyts'kyi, S - Star lighted on earth. p 16.
Hil'berh, L. - On an air cushion. p. 22.
Treasure chest of interesting facts. pp. 24, 45
Pen'kovs'kyi, V. - Reaction accelerated a million times p 25.
Kostiuk, P. - Physiology of a cell. p. 28.
Prymak, D - City of the Sun. p. 32.
Filanovs'kyi, H., Kolesnychenko, IU - Lamps. p. 36.
Haviusevych, B. - New in geology. p. 38.
Ruzhets'kyi, M P - Three harvests. p. 41.
Sopov, I. - Mamai's skill. p 42.
Hebertovycz, R. - Binding the soil. p. 46.
Salii, O. - Night vision. p. 47.
Korelov, M. - Mysteries of proteins. p 48.
Orchestra in a dressing case. p. 49.
Abroad, brief news. p 49.
Chukmasova, R. - Intellectual work. p. 50.
Leonin, L. - What is the weight of light. p 52.
Vyshesiavs'kyi, Leonid. - What is poetry and how to understand verse (to be continued). p. 56
Pokrovs'kyi, H., Moralevych, IU. - On the edge of a daring dream (to be continued) p. 60
Mathematical problems. p. 63.
Politak, O. - Solutions of the fourth-round problems of the chess Olympiad p. 63.

NOVYE KNIGI ZA RUBEZHOM. Seriia A: Matematika, mekhanika, astronomiia, fizika, geofizika, khimiia, geologiia [NEW FOREIGN BOOKS, Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature], Moscow, vol. 10, nos. 9-10, Sep.-Oct. 1963.

ZNANIE - SILA [KNOWLEDGE IS POWER]. Organ of Gosudarstvennyi komitet po professional'no-tekhnicheskomu obrazovaniiu pri Gosplane SSSR [State Committee for Industrial Training, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol. 38, no 3, March 1963.

Table of contents translated:

Laine, S. - Constructors of molecules. p. 1.
Titova, I. - Younger sister. p. 3
Podol'nyi, R. - Chemistry of the third sense. p. 5.
Ogloblin, I. - This is not a personal matter. p. 7.
Lifshits, L. - Not forged, not turned and not cast. p. 8.
Kondratov, A. - What the semioticians talk about . . p. 10.
Khodorov, A. - Physicists and lyric poets at a round table. p. 13.
Zubkov, B., Muslin, E. - Transport which... does not move p 14
Glukhov, A. - "Science marches on" by Oleg Pisarzhevskii. p. 17.
Zhulev, V. - Frankly... p. 18.
In all the world. p. 22.
Sharol', L - "Foreman" gets wiser before our eyes p. 24
Vladimirov, L. - Mysteries of the Aristarchus crater p 27.
Vilenkin, N.IA. - Innumerable infinities. p. 28
Markusha, A. - The wonder of the clouds p. 32.
Svetov, A. - Sports of our tomorrow. p. 35.
A little about many things. p. 38.
Boldyrev, V., Rozanov, S. - Across the Irtysh Valley. p 40
Natanov, N. - In search of Boyan. p. 42.
Belousov, I., Golovanov, IA., Dol'nitsyn, P. - Let the ocean part! p. 46.
Merentsev, V. - Along the Alpine roads p. 50
Mar, E. - Clay and hands p. 53
Veksler, A. - Portraits of the first Muscovites. p. 53.

Vol 38, no. 7, July 1963.

Table of contents translated:

Khrushchev, N.S. - Continuing the work of our fathers. p 1.
Gil'berg, L - From the Baykonur cosmodrome and from Cape Canaveral p 2.
Her predecessors. p 5.
Vorontsov, L. - A passenger dreams ... p. 5
Mel'nikov, A. - The paths of the "Iskra " p. 6.
Klimova, M - A hymn to labor. p. 10.
Studitskii, A. - Restoration of a cell. p. 15
A little about many things. pp. 17, 30
Zigel', F. IU. - Life in interplanetary space p. 18.
In the whole world. p. 22.
Kondratov, A. - World and myth. p. 23
Iodko, E. - Space metallurgy. p. 27
IUdasin, Lev - There has not been a command to "stop." p. 28.
Demidov, V. - Light in radio engineering. p. 32.
Gur'ev, IUrii. - No, it was not done by strangers from outer space! p 34.
Vaksberg, Arkadii - An equation with twenty unknown quantities. p. 36.
Gurevich, G. - Aast Llun, architect of the sky. p. 40.
Editor's mail. p. 47.
Kovalev, V. - Edible knowledge. p. 48.

ZNANNIA TA PRATSIA [KNOWLEDGE AND WORK] Issued by TSentral'nyi komitet Leninskoho Komunistychnoho soiuza molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin] Kiev, no.3(277), Mar 1963

A "Little Academy of Sciences" is very good! p 1.
Braude, S IA. - Voices of distant worlds. p. 2.
Savinov, B. - Uses of an "invisible one." p 4.
Volyns'kyi, T. - Captains stationed in Blakitnaya Bukhta p. 6.
Hanateva, M. - Journey into the depth of centuries p. 8.
Buslanin, V. - Mysteries of Parthian archives p. 10.
Maitsh, V. - Fire as assistant to the stone cutter. p. 11.
Honcharenko, Viktor. - Kangaroo man. p. 12.
Finikov, IU. - One hundred question marks. p 13.
Haryns'kyi, L - Visiting with my home town friend, the astronaut. p. 15.
Puchkov, S. - Chernigov "capron." p. 15.
At various latitudes. p. 16.
Plukha, T , Fedin, E. - Researcher in a miracle world. p 18.
Artamov, V. - When four wheels make three tracks. p. 20.
Alliev, IE., Pashkivs'kyi, A. - Plantations on rocks. p. 21.
Holovyns'kyi, V., Vilens'kyi, IU. - Across our homeland. p. 22.
Tendiuk, Leonid. - My blue Oceania (to be continued). p. 23.
Riddle of life. p. 30.
Khavin, A. - Chess. p. 31.
Starodub, D - Homemade telephoto lens. p. 32

b ASTRONOMY

AKADEMIIA NAUK SSSR. Institut teoreticheskoi astronomii. Bulleten' [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Theoretical Astronomy. Bulletin]. Leningrad, vol. 9, no. 3(106), 1963.

Table of contents translated

Chebotarev, G.A., Bozhkova, A.I. - Motion of artificial satellites of Mars, Venus and Mercury in the sphere of action of the planet. p 169.

Fomunov, A M - Motion of an artificial earth satellite in the nonspherical atmosphere p 185
Abalakhin, V.K. - Periodic motions of stars in heterogeneous ellipsoidal stellar systems p. 201
IAshentova, N S. - Boris Vasil'evich Numerov, on the occasion of the 75th anniversary of his birth p. 213.
Chebotarev, G A. - Aleksandr Marianovich Gizhitskii, 1878-1956 p. 216

AKADEMIIA NAUK SSSR. Institut teoreticheskoi astronomii. Rezul'taty nabliudenii sovetskikh iskusstvennykh sputnikov Zemli [ACADEMY OF SCIENCES OF THE U. S. S. R. Institute of Theoretical Astronomy. Results of Observations of Soviet Artificial Earth Satellites]. Moscow, no. 57, 1962.

AKADEMIIA NAUK SSSR. Krymskaia astrofizicheskaia observatoriia. Izvestiia [ACADEMY OF SCIENCES OF THE U. S. S. R. Crimean Astrophysical Observatory, Bulletin]. Moscow, vol. 29, 1963.
Table of contents translated.
Prokof'ev, V.K., Petrova, N.N. - Presence of oxygen in the atmosphere of Venus. p. 3.
Gopasiuk, S.I., and others - Structure of solar magnetic fields and its variations in flare regions. p. 15.
Stepanian, N.N. - Metallic lines in flares. p 68
Vladimirskii, B.M., Severnyi, A.B. - Nuclear processes in chromospheric flares. p. 80.
Dubov, E.E. - Possible mechanism of the light emission of chromospheric flares. p. 86.
Rachkovskii, D.N. - Formation of absorption lines in sunspots, taking scattering and absorption into account. p. 97
Obashev, S.O. - Altitude distribution of solar prominences. p. 116.
Stepanian, A.A. - Width of corpuscular streams responsible for the diurnal effect in cosmic rays. p. 130.
Khokhlov, M.Z. - Oscillator forces of a set of p2 - ps-transitions in the spectra of lead, tin, germanium, silicon, and carbon. Part 3. p. 131.
Vinogradov, IU.I., Eriushev, N.N. - X-radiation from flares originating behind the solar disc. p. 141.
Levitskii, L.S. - Hard X rays from solar flares. p. 146.
Noskpor, IU.I. - Use of radio astronomy in studying X-radiation from solar flares. p. 152.
Pankratov, A.K. - Radio frequency and X-radiation from solar flares. p. 160.
Odintsova, I.N., Ogir', M.B. - Ionospheric effects observed in the Crimea during the total solar eclipse of February 15, 1961. p. 175.
Kopylov, I.M., Bellakina, T.S., Vitrichenko, E.A. - Quantitative spectral classification of "Metallic" stars. p. 181.
Quantitative analysis of the atmosphere of Sirius. Part 2 Detailed chemical analysis of the atmosphere. p. 219.
Bolarchuk, M.E. - Atmospheres of class F stars. Part 4. Hydrogen lines. p. 230.
Kopylov, I.M., Kumaigorodskaia, R.N. - Spectrophotometric study of ε Aurigae during occultation, 1955-1957. p. 251.
Bolarchuk, A.A., Pronik, I.I. - Spectrophotometric study of Be stars with very thick envelopes. p. 266.
Prokof'eva, V.V., Bellakina, T.S. - Spectrophotometric study of Nova Herculis, 1960 II. p. 278.
Bolarchuk, A.A., Gershberg, R.E., Pronik, V.I. - Formulae, graphs, and nomograms for a quantitative analysis of the spectra of emission objects. p. 291
Melik, L.P. - Density of dust and gas in the direction l = 52°, b = 0 (constellation Cygnus). p. 315.
Popov, G.M. - Two-mirror concentric system. p. 318.

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GEDEZII, AEROS'EMKI I KARTOGRAFII. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF GEODESY, AERIAL PHOTOGRAPHY, AND CARTOGRAPHY. Transactions]. No 163, 1963.
Contents: [Tables on geodetic astronomy] Tablitsy po geodezicheskoi astronomii. 234 p.

No. 164, 1963.
Contents. Genike, A.A. [Geodetic phase telurometers] Geodezicheskie fazovye radiodal'nomery. 112 p.

REFERATIVNYI ZHURNAL: GEODEZIIA (Otdel'nyi vypusk 52) [JOURNAL OF ABSTRACTS: GEODESY (Separate Issue 52)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 11, Nov. 1963.

BIOLOGY

AKADEMIIA NAUK SSSR. Botanicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Botanical Institute. Transactions. Ser. 5. Rastitel'nye syr'e [Plant resources]. Moscow, no. 11, 1963.
Table of contents translated:
Markova, L.P. - Gummiferous plants of Kopet-Dag. p. 6.
Markova, L.P. - Gummiferous system and the characteristics of resinous exudation in basic commercially valuable species of tragacanth bearing milk vetches of Kopet-Dag. p. 45.
Pankova, I.A. - More on gum formation in milk vetches. p. 111.
Panmova, I.A., Nikitin, A.A. - Water balance of some milk vetches of Kopet-Dag. p. 137.
Markova, L.P. - Some characteristics of temperature conditions of the shrubs Astragalus densissimus Boriss. and A. pleiocladus Freyn et Sint. p. 174.
Nadezhina, T.P. - Materials on the biocenotic characteristics of tragacanth-bearing milk vetches of Kopet-Dag. p. 186.
Dolotov, V.A. - Fragmental soils as a growth medium for tragacanth-bearing milk vetches in Kopet-Dag. p. 212.
Nikitin, A.A. - Tapping tragacanth-bearing milk vetches in the Nakhichevan A.S.S.R. p. 220.
Nadezhina, T.P. - Prerequisites for the use of tragacanth stands of Turkmenistan by the pruning of the shrubs and consecutive extraction of gum. p. 300.
Anisimova, K.I., IAkimov, P.A. - Obtaining gum from the aerial part of tragacanth-bearing milk vetches by the method of extraction. p. 321.
Shteinbok, S.D., Anisimova, K.I., IAkimov, P.A. - Studying the conditions of tragacanth gum purification. p. 325.

AKADEMIIA NAUK SSSR. Botanicheskii institut. Otdel sporovykh rastenii. Botanicheskie materialy [ACADEMY OF SCIENCES OF THE U. S. S. R. Botanical Institute. Section of Cryptogamic Plants. Botanical Materials]. Moscow, vol. 16, 1963.
Table of contents translated
Savich, V.P. - Lichens of Russia. Decade XIII (1963) [in Latin]. p. 1.
Barkhalov, Sh.O. - Lichens of the family Teloschistaceae of Azerbaijan. p. 5.
Inashvili, TS.N. - New species of lichens of the U.S.S.R. p. 18.
Inashvili, TS.N. - New and interesting lichens of the Caucasus from Georgia p. 20.
Khalfina, N.A. - Some Protococcales from Lake Ik (Western Siberia). p. 23.
Safonova, T.A. - New and interesting forms of the genus Trachelomonas Ehr. from Tomsk Province. p. 27.
Skabichevskii, A.P. - A new species of the genus Melosira Ag. from Western Siberia. p. 32.
Proshkina-Lavrenko, A.I. - New diatoms from the benthos of the Black Sea. p. 36.
Karaeva, N.I. - New and rare diatoms from the Caspian Sea. p. 45.
Gorlacheva, G.I. - New diatoms from Western Siberia. p. 49.
Zinova, A.D. - Representatives of the family Delesseriaceae (Rhodophyta) from the islands of Kerguelen and Macquarie. p. 52.
Vinogradova, K.L. - Distribution of Fucus spiralis L. in the Murman littoral. p. 67.
Perestenko, L.P. - New algae from the Murman Coast. p. 69.
Novotel'nova, N.S. - New species of Plasmopara on Compositae. p. 73.
Dudka, I.A. - First discovery of the genus Blastocladia in the U.S.S.R. p. 83.
Gotovlin, P.N., Popov, P.A. - New Tertiary Microthyriaceae of the West Siberian Lowland. p. 88.
Kamyshko, O.P. - New soil fungi of the genus Aspergillus. p. 91.
Kamyshko, O.P. - New soil fungi. p. 95.
Koval', E.Z. - New species of fungi from the southern part of the Maritime Territory. p. 99.
Koval', E.Z. - Species of the genus Leotia Fr. from the southern part of the Maritime Territory. p. 101.
Koval', E.Z. - Entomophilous fungi of the class Deuteromycetes from the southern part of the Maritime Territory. p. 104.
Vasil'kov, B.P. - Three species of hypogeous fungi from the foothills of the Crimea. p. 109.
Vasil'kov, B.P. - Change of the name of the fungus Arthrocladiella lycii. p. 112.
Bondartsev, A.S. - Rare and new species of Polyporaceae in the U.S.S.R. p. 113.
Bondartsev, A.S., Liubarskii, L.V. - New genus and new species of Polyporaceae found in the Far East. p. 125.
Tomilin, B.A. - Fungi of Transbaikalia. p. 133.
Negru, A., Ditzu, I. - New mycological materials from the Rumanian People's Republic. p. 150.
Ladyzhenskaia, K.I. - Fossombronia longiseta Aust., a liverwort found in the U.S.S.R. for the first time. p. 165.
Abramov, I.I., Abramova, A.L., Duda, I. - Flora of liverworts of the Caucasus, Lagodekhi Preserve p. 168.
Koroikevich, L.S. - Ptilidium californicum (Aust.) Underw. et Cook in the flora of liverworts of the U.S.S.R. p. 173.
Dorogostaiskaia, E.V. - Sphagnales of the upper valleys of Malaya Sos'va and Konda Rivers (Western Siberia). p. 178
Savich-Liubitskaia, L.I., Smirnova, Z.N. - Representatives of the genus Pottia Fuernr. in Antarctica p. 188
Abramova, A.L., Abramov, I.I. - Actinothuidium hookeri (Mitt.) Broth. in the Kinel' sediments of Bashkiria. p. 195.
Dylevskaia, I.V. - Leptobarbula Schimp. , a new genus in the U.S.S.R. p. 199

AKADEMIIA NAUK SSSR. Institut morfologii zhivotnykh. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Animal Morphology. Transactions]. Moscow, no. 38, 1963. Voprosy evoliutsionnoi morfologii pozvonochnykh [Problems of the evolutionary morphology of vertebrates].
Table of contents translated:
Foreword p 3.
Matveev, B.S. - Role of A.N.Severtsov's works in the development of evolutionary morphology in the U.S.S.R. during the last 25 years (1936-1961). p. 5.
Emel'ianov, S.V. - Heterochronies in the setting of organs in vertebrates p. 17
Gimmel'reikh, G.A. - Visceral apparatus of sturgeons as an organ for the intake of food. p. 77.
Sadov, I.A. - Structure and formation of egg membranes in sturgeons and some representatives of bony fishes. p. 110.
Koshelev, B.V. - Morphologic and ecologic characteristics of ogenesis in related species of percid fishes. p. 189

AKADEMIIA NAUK URSR, Kiev. Instytut geologichnykh nauk. [Trudy] Seriia gidrogeologii i inzhenernoi geologii [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Geological Sciences (Transactions). Series in Hydrogeology and Engineering Geology]. Kiev, no. 10, 1963.
Contents: Kostianoi, M.G. [Characteristics of clay rocks in the regions of the Kanev dislocations from the viewpoint of engineering geology] Inzhenerno-geologicheskie osobennosti glinistykh porod raiona Kanevskikh dislokatsii. 173 p.

ALMA-ATA. BOTANICHI'SKII SAD. Trudy [BOTANICAL GARDEN. Transactions]. Vol. 7, 1963. Introduktsiia rastenii i zelenoe stroitel'stvo [Plant introduction and landscape gardening].
Table of contents translated:
Sushkov, K.I. - History of rose culture in Central Asia and Kazakhstan. p. 3.
Besschetnova, M.V. - Effect of external factors on the results of artificial pollination of roses. p. 50.
Klimovskaia, Z.A. - Shade-tolerant perennial plants for gardens and parks of Alma-Ata. p. 60.
Chaban, M.K - Cultivation of hyacinths in Alma-Ata. p. 69.
Rubanik, V.G., Zheronkina, T.A. - Grafting Siberian pine on Scotch pine in the Alma-Ata Botanical Garden. p. 76.
Matiushenko, A.N. - Specificity of the growth of Tien Shan spruce (Picea schrenkiana Fisch. et Mey.) in the Alma-Ata Botanical Garden. p. 80.
Linchevskii, O.A. - Some results of the hybridization of stone fruits. p. 90.
Vagapova, V.N. - Possibility of using milk vetches for ensilage. p. 94.
Belova, E.A. - Biology of flowering and selection of santonin-rich forms of wormwood in the trans-Ili region. p. 100.
Bespaev, S.B. - Germination of the seeds of Acanthophyllum gypsophiloides under field conditions. p. 108.
Fursov, V.I., Bespaev, S.B. - Some cytoembryological data on Acanthophyllum gypsophiloides Rgl. p. 121.
Korol', G.S. - Physiological and biochemical study of some introduced plants in the southern part of the Lake Balkhash region. p. 126.
Vologuzova, N.V - Notes on the expedition to regions of Khabarovsk Territory and to the southern regions of Sakhalin. p. 139.
TSitsina, S.I., Vologuzova, N.V. - Cultivation of medicinal plants in the Alma-Ata Botanical Garden. p. 140.

BIOLOGIIA V SHKOLE [BIOLOGY IN SCHOOLS]. Organ of Ministerstvo prosveshchenita RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 3, May-June 1963.
Table of contents translated:
Let's inculcate communist consciousness in students. p. 3.

Mel'nikov, M. I. - Educational significance of a general biology course p 6
Binas, A. V. - Experiments for the study of plant life p 11.
Vlasova, A. N. - First lessons in general biology, p 16.
Murtazin, G. M. - Procurement and growing of plants for laboratory work in botany. p. 20.
Pozdnyakov, N. T. - System of working with students on the preparation of visual aids. p. 24
Krovitsyn, P. I. - Let's improve the present system of biological education p 26.
Gel'fenbein, L. L., Shkorbatov, G. L. - Schools need one consolidated course in general biology. p 32
Loginova, L. F. - Let's review the structure and contents of school subjects in biology p 35.
Sound, masters of the earth p 36
Petrov, N. P. - Agricultural work training in the schools of the Far North p 41.
Grozdova, N. I. - Studying fruit-tree pollination in a school garden p 46
Consultation p 49.
Pyatnitskiy, V. A. - Forty-fifth anniversary of the young naturalist movement p 50
Rychin, Iu. V. - Shortcomings in the inculcation of a civilized attitude toward nature p 55
Nikitina, A. I. - Club of young zoologists in a Pioneer camp. p. 59
Strokov, V. V. - Let's take care of useful plants and animals p. 63
Isurina, R. I. - Tourist excursion of students. p 63
Sokolova, A. V., Beklemishcheva, M. V. - Man and plants, a Pioneer meeting p 63
Dulenko, V. P. - Hundredth anniversary of the "Brain reflexes." p. 70.
Platonov, G. V. - Dialectics of the necessity and chance and the problem of planned heredity of organisms. p. 73
Pogrebnyak, Mark - Plant growers p 80.
Koshkina, E. I. - Procurement, preservation and use of water-plants for academic purposes p. 87.
Krasnikov, V. I. - Studying the seeds of monocotyledonous plants with caryopsis of corn as a model. p. 88.
Barkov, V. G. - Attracting useful birds. p 88
Chernomaz, P. A. - Useful aid for rural school teachers, on A. A. Shibanov's book "Technical and production instruction in rural schools." p 90
Lysov, E. S. - "Fishes, amphibians and reptiles and their study in schools" by V. P. Gerasimov. p. 92.
Bereutsina, L. P. - "More precious than gold," a collection of articles. p 93.
Iakovlev, A. A. - Story of the ancestor of land vertebrates, on J. L. B. Smith's book "Old Fourlegs, the story of the coelacanth." p 95.
Obituary p. 96

BOTANICHESKII ZHURNAL [BOTANICAL JOURNAL]. Organ of Vsesoiuznoe botanicheskoe obshchestvo [All-Union Botanical Society]. Moscow, vol. 48, no. 8, Aug. 1963.

Table of contents translated

Petrova, L. R., Drozdov, S. N. - Effect of frost on the formation of reproductive organs in spring wheat. p. 1097.
Batygina, T. B., and others - Genesis of male sporangia in Gramineae and Ericaceae. p. 1100.
Tymko, M. M. - Effect of the speed position in soil on the formation of the root system and stem of walnut seedlings. p. 1121.
Bulaeva, L. M. - Mycotrophy of Triticum-Agropyron hybrids p. 1131.
Perfil'ev, I. A. - Dwarf birch in the Archangel tundras. p. 1139.
Sagatov, K. - Effect of the treatment of corn seed with trace elements and succinic acid on its productivity. p. 1151.
Chupakhina, K. G. - Feeding quality of variherbaceous meadows in the Maritime Territory. p. 1161.
Skripchinskii, Vl. V. - Determination of plasmatic permeability as a method for the evaluation of frost resistance of potatoes. p. 1168
Kalinina, A. V. - Methods for studying the effect of grazing in the Canadian mixed prairies. p. 1172.
Sutovskaia, I. V. - Problem of the sexualization of fungi today. p. 1181.
Aleshina, L. A. - Morphology of pollen grains of the genus Claytonia Gronov. and related genera. p. 1191.
Anan'ina, V. M. - Some properties of the colloid system of plants, resistant and nonresistant to low temperatures. p 1196.
Nikolaevskii, V. G. - Effect of the herbicide 2, 4-D on the differentiation of cambium in the annual shoots of the black locust and the tree of heaven. p. 1201.
Gorlachev, P. P. - Experimental study of the variability of cell forms in some varieties of Pediastrum boryanum (Turp.) Menegh. p. 1205.
Moskaleva, V. E., Goncharova, E. V. - Investigation of the location of glycoloalkaloids in the tissues of Solanum aviculare Forst. by fluorescence microscopy. p. 1208.
Urova, N. F. - Criteria of the species in fungi of the genus Phytophthora. p. 1210.
Auzereva, O. I. - Flora of Murmansk Province p 1215.
Lavrenko, E. M. - "The theory of species" by K. M. Zavadskii p 1217.
Petrov, M. P. - Phytogeographical subdivision of deserts in Eurasia and North Africa proposed by E. M. Lavrenko p 1223.
Kovalin, E. P. - "Water balance of plants and soils in the alpine deserts of the Pamirs" by V. M. Sveshnikova. p. 1227
Lavrenko, E. M. - A. A. Nitsenko's study "Some controversial problems of the theory of geobotany." p. 1229
Vasil'chenko, I. T. - Vladimir Ippolitovich Lipskii, the centennial of his birth. p. 1236.
Makarova, I. V. - Anastasiia Ivanovna Proshkina-Lavrenko, on the 40th anniversary of her scientific activities p. 1239.
Corchakovskii, P. L., Kolesnikov, B. P. - Scientific conference on the ecology and physiology of woody plants of the Urals held on March 4-6, 1963. p 1242.

MOSCOW. UNIVERSITET. Vestnik. Serija 6 Biologija, pochvovedenie [UNIVERSITY Review. Series 6' Biology, Soil Science] Vol 18, no 5, Sep.-Oct 1963

Table of contents translated

Resolutions of the June Plenum as a foundation for the successful education of youth and scientific development. p. 3.
Iordanis, K. A. - Comparative physiological analysis of complex conditioned reflex movements; development of different forms of motor conditioned reflexes in dogs p 6.
Krashkevich, K. V., Kritsova, E. N. - Effect of repellents on the tick Ixodes ricinus L. p. 16.
Sokolov, V. E. - Histogenesis of the skin of sperm whale and fin whale. p. 20.
Sukhareva-Nemakova, N. N. - Use of hemin and hemoglobin in media for the cultivation of Trypanosoma cruzi p 25.
Dvorakovskii, M. S., Altukhov, M. D. - Comparative characteristics of seed reproduction of small-leaved linden (Tilia cordata Mill.) under different ecologic conditions. p. 35.
Nomerov, B. A. - Fruit setting in selecting different parental pairs of roses. p. 48
Dmitriev, E. A. - Evaluation of the relative variation of the property under investigation and determination of the index of relative probable error p. 51.
Fakhmi, G. R. - Composition of humus in the soils of the Nile Valley. p 59.
Fedorov, K. N. - Technique of preparing microsections of soils with an intact structure. p. 68.
Rubin, B. A., Andreenko, S. S. - Centennial of the Department of Plant Physiology of the Moscow University. p. 74.

MOSKOVSKOE OBSHCHESTVO ISPYTATELEI PRIRODY. Biulleten'. Otdel biologicheskii [MOSCOW NATURALISTS' SOCIETY. Bulletin. Biological Section]. Moscow, vol. 68, no. 4, July-Aug. 1963.

Table of contents translated:

Kantorovich, R. A. - Materials on the ecology of the "madness" of animals beyond the Arctic Circle. p. 3.
Bibikov, D. I., Stogov, I. I. - Materials on mammals of the Chingis-Tau. p. 14.
Bernshtein, A. D. - Materials on the ecology of the red pika (Ochotona rutila Sev.) in the Trans-Ili Ala-Tau. p. 24.
Garbuzov, V. G., Shilov, M. N. - Distribution of the steppe pika in the Aral Sea region. p. 37.
Dubrovskii, IU. A. - Distribution of the steppe pika and some features of its ecology in western Kazakhstan. p. 44.
Kudriashov, L. V., Savich, E. I. - Some data on the embryology of Alisma plantago-aquatica L. p. 50.
Derviz-Sokolova, T. G. - Morphological and anatomical structure of the annual shoot of Salix reticulata L. p. 64.
Krylova, N. P. - Increasing the endurance of leguminous plants in the grass stands of natural flooded meadows. p. 72.
Suprun, T. P., Avraamova, O. P., Bekker, Z. E. - Distribution of antibiotic-producing soil fungi in Central Asia as related to the altitude of the place. p. 84.
Zhukovskii, P. M. - Evolution of cultivated plants based on polyploidy. p. 93.
Andreev, V. S. - Biogenesis of opium alkaloids. p. 100.
Rott, N. N. - Sex determination in amphibians. p. 118.
Dolgov, V. A. - Variability of shrews in the Oka River floodplain (Mammalia, Soricidae). p. 135.
Khokhriakov, A. P. - A new snowdrop from the Caucasus. p. 140.
Dergachev, I. S., Potapova, I. N., Berezovskaia, N. N. - Effect of a catechin preparation on the endocrine glands of white rats kept on a casein diet. Report No. 1. p. 141.
Maisurian, N. A. - The 75th birthday of Petr Mikhailovich Zhukovskii. p. 144.
Rabotnov, T. A. - Use of the principle of vegetational continuum in studying the vegetation of Wisconsin (USA). p. 147.
Brief news. p. 152.

Vol. 68, no 5, Sep.-Oct. 1963.

Table of contents translated

Vaishavskii, S. N. - Age of the colonies of [illegible] susliks in different landscape zones as related to the distribution and history of the [illegible] species. p. 3.
Nikitina, N. A., Meikova, M. A. - Use of the [illegible] tory by mice and voles according to mast [illegible] p. 16.
Fokin, I. M. - Characteristics of the [illegible] boas. p. 22.
Trass, Kh. Kh. - Typology of the dominant [illegible] communities. p. 29.
Vipper, P. B. - Principles underlying the classification of savannas of West Africa and [illegible] in their economy. p. 37.
Nesvetailova, N. G., Rodman, L. S. - [illegible] plant communities as indicators of salinity of the Caspian Sea region. p. 44.
Minina, E. G., Chernykh, I. S. - Changes in the growth of buds in dioecious plants of the willow Salix acutifolia L. p. 51
Egorova, V. N. - Rhythm of seasonal sprouting in the yellow vetchling and tufted vetchling and growth depending on the height of the cut. p. [illegible]
Suvorov, P. A. - Biology of Lactiporus sulphureus (Bull.) Bond. et Sing. p. 66.
Sidorov, B. N., Sokolov, N. N. - Lysis of chromosomes and the blockade of the spindle. p. [illegible]
Prozorov, A. A. - Genetic units in microorganisms p. 92.
Rapoport, I. A. - The rate of 75% sex-linked mutations induced by diethyl sulfate as a criterion of the nonroentgenomimetic mechanism. p. [illegible]
Iablokov-Khnzarian, S. M. - Role of intrauterine selection. p. 109.
Elkin, K. F., Sharganov, K. A. - Vasilii Nikolaevich Skalon; on his sixtieth birthday. p. 113.
Sukachov, V. N. - Review of N. M. Gorbunov's book "Contradictions and their role in the development of plant formations." p. 116.
Brief news. p. 117.

REFERATIVNYI ZHURNAL: BIOLOGICHESKAIA KHIMIIA (Otdel'nyi vypusk 30f) [JOURNAL OF ABSTRACTS: BIOCHEMISTRY (Separate issue 30f)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, [illegible] Nov. 1963.

REFERATIVNYI ZHURNAL: BIOLOGIIA [JOURNAL OF ABSTRACTS: BIOLOGY], Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 20-21, Oct.-Nov. 1963

* USPEKHI SOVREMENNOI BIOLOGII [PROGRESS IN CONTEMPORARY BIOLOGY], Issued by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 56, no. 1(4), July-Aug. 1963.

Table of contents translated:

Ianovskaia, B. I. - Some problems of the biology of ascorbic acid in the animal organism p. 3
Vaisman, I. Sh. - Studies on the fine structure of cells and tissues. p. 20.
Prokopenko, L. G. - Synthesis of antibiotics in [illegible] plants and tissue culture. p. 44.
Voitkevich, A. A. - Mast cells in various states of the organism. p. 56.
Medunitsyn, N. V. - Delayed type of hypersensitivity p. 77.
Ivanov, E. A., Aleksandrova, I. V. - Automatic [illegible] of algal cultures. p. 90.
Koloss, E. I. - Adaptive variability of muscular tissues and its biological interpretation. p. 98
Karkysheva, V. IA. - Radiation injury of female sex organs. p. 117.
Alpatov, V. V. - "Biotics" by A. I. Venchikov [illegible] 127
Bogoliubskii, S. N. - Conference on some regularities in the individual development of farm animals p. 139.

VOPROSY IKHTIOLOGII [PROBLEMS IN ICHTHYOLOGY] Issued by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 3, no 3(26), 1963

Table of contents translated:

Mantoifel', B. P., Protasov, V. R. - Role of [illegible] in studying fish behavior. p. 433.
Moskalenko, B. K. - Herring with a low number of vertebrae in the Kara Sea. p. 441.
Astanin, L. P., Podgornyi, M. I. - Comparative morphological analysis of Carassius carassius L. and Carassius auratus gibelio Bloch from the Novoyevskaya Lagoon in Stavropol Territory. p. 447
Smirnov, A. N., Naumov, V. M. - Biological basis for efficient fisheries in the Taganrog Gulf of the Sea of Azov. p. 460.
Petrova, E. G. - Stock protection and legal size limit for bream (Abramis brama L.) in the Azov basin. p. 472.

Venglinskii, D. L. - Characteristics of the biology of the whitefish Coregonus peled (Gmelin) from lakes of the Vilyuy Lowland p 477
Persov, G M. - "Potential" and "final" fecundity of fishes as exemplified by pink salmon (Oncorhynchus gorbuscha (Walb.) acclimatized in the basins of the White and Barents Seas. p. 499
IUdanov, I. G - Effectiveness of the spawning of Atlanto-Scandinavian herring and the evaluation of its yield in 1961. p. 497.
Volovik, S P. - Materials on the biology of young Oncorhynchus masu(Brevoort) in some rivers of Sakhalin. p 506.
Domanevskii, L. N. - Methods for censusing the pike (Esox lucius L.) in Tsimlyansk Reservoir. p. 513
Kuderskii, L. A., Anukhina, A. M. - Yearly differences in the feeding habits of Eleginus navaga (Pallas) of the White Sea. p 522
Akhmerov, A. Kh. - Helminths as a biological indicator of the local stock of anadromous Amur salmons (Oncorhynchus). p. 536
Kazanchcev, E. N. - In memory of Konstantin Andreevich Kiselevich p. 556.
Kel'gaev, A. M. - Premature transition of active feeding of the young of fall-spawning chum salmon (Oncorhynchus keta infr. autumnalis Berg.) and its consequences as studied under hatchery conditions. p. 561
Galkina, L. A. - Inexpediency of the "dry" method for fertilizing the eggs of sea fishes. p. 563.
Nguen-Van-Tkhai, Druzhinin, A. D. - Length, weight, age, and growth rate of Therapon theraps Cuv et Val in the Gulf of Tonkin (North Vietnam). p. 564
Novikov, N. P - Attacks of the lamprey Entosphenus tridentatus (Gairdner) on halibut and other fishes of the Bering Sea. p. 567.
Nokil'skii, G. V. - Review of T. Koo's book "Studies of Alaska red salmon" [in English] p. 570.
Brief news and information. p 573.

VOPROSY MORFOLOGII PERIFERICHESKOI NERVNOI SISTEMY [PROBLEMS OF THE MORPHOLOGY OF THE PERIPHERAL NERVOUS SYSTEM] Issued by Institut fiziologii Akademii nauk BSSR and Minskii gosudarstvennyi meditsinskii institut [Institute of Physiology of the Academy of Sciences of the White Russian S S R and the Minsk State Medical Institute]. Minsk, no. 6, 1963

Table of contents translated

Golub, D. M. - Compensatory adaptations within the peripheral nervous system p 3.
Kallia, T. N. - Anatomy of the thoracic section of the sympathetic trunk in some mammals. p. 31.
Orlova, B. L., Morozon, M. A. - Innervation of the longitudinal spine ligaments. p. 46.
Kozel, S. A. - Transverse connections between the nerves of the tongue. p. 56.
Kovaleva, D. V. - Internecural (transverse) connections in the inferior mesenteric plexus. p. 65.
Dneprovskaia, G. G. - Transverse connections of the sacral section of the sympathetic trunk. p. 71.
Lobko, P. I. - Structure of the large splanchnic nerves and celiac ganglia of the solar plexus in white rats. p. 80.
Kichina, B. M. - Embryogenesis of the solar plexus in mammals. p. 88.
Kheinman, F. B. - Sensory innervation of ureters. p. 98
Ambros'ev, A. P. - Nature and connections of Dogel's cells type II in the large intestine. p. 110.
Gapeev, I. A. - Development of the neural and cellular elements of Auerbach's plexus of the small intestine in man. p. 116.
Amvros'ev, A. P. - Receptors of the extraorganic vessels of the large intestine in a cat. p. 134.
Novikov, I. I. - Innervation of the subclavian arteries in man. p. 143.
Leontiuk, A. S. - Internal structure of the stems of intercostal nerves and the connections among them in man. p. 153.
Petrova, R. M. - Distribution of myelinated fibers in the stem of the vagus nerve and its branches in the postfetal life in man. p. 171.
Oleshkevich, A. T. - Connections between the facial nerve and the trigeminal nerve in man and some animals. p. 184.
Chaika, E. N - Effect of pathological processes on the development of the neural elements of the pelvic plexus in man. p. 192.
(ONLM)

VOPROSY VIRUSOLOGII [PROBLEMS OF VIROLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U S S R.]. Moscow, vol. 8, no. 3, May-June 1963.

Table of contents translated:

Dreizin, R. S., Beloiskii, V. D., Iakovich, O. D. - "New" respiratory viruses. p. 259.
Chervonskii, V. I., Terskikh, I. I., Bekleshova, A. IU. - Isolation and study of the agent of benign lymphoreticulosis in man (cat scratch disease); preliminary report. p. 264.
Chernos, V. I., Gendon, IU. Z. - Study of the reactivation of DNA- and RNA-containing viruses. p. 268.
Desiatskova, R. G., Andzhaparidze, O. G., Rozina, E. E. - Significance of RNA of the virus of tick-borne encephalitis in the pathogenesis of experimental infection in mice. p. 275.
Peterson, O. N., Li IUi[Li Yu] - Preparation of interferon from chicken fibroblast cultures treated with inactivated smallpox vaccine. p. 279.
Sokolov, M. I., Obrosova-Serova, N. P - Hereditary adaptive variability of the influenza virus. p. 281.
Smorodintsev, A. A. and others - Influence of the number of vaccinations on the epidemiological effectiveness of live influenza vaccine. p. 286.
Ivanov, N., and others - Epidemiological verification of the effectiveness of live influenza vaccine. p. 291.
Fridman, E. A. - Some regularities in influenza epidemiology p. 295.
Kostakov, P. N., Gruzdeva, N. M., Berdinskikh, M. S. - Therapeutic effect of specific antibodies and inhibitors in influenal infection. p 301.
Chumakov, M. P., and others - Comparative study of the epidemiological effectiveness of vaccinations with tissue culture and brain vaccines against tick-borne encephalitis. p 307.
Taros, L. IU. - Direct isolation of the measles virus in monostratal cultures of guinea pig kidney tissue and chicken embryo fibroblasts. p. 316.
Mastiukova, IU. N., Saraeva, N. T., Blankov, B. I. - Thermostability of measles virus. p 322.
Raikhrud, A. IA. - Quantitative regularities in the regulation of synthesis in the virus - cell system. p. 325.
Bektemirov, T. A., Sokkar, I. M. - Comparative study of the strains of atypical fowl plague (Newcastle disease) virus of varying virulence in chicken embryo tissue cultures. p. 330.
Dzhumambaeva, A. A., Bekleshova, A. IU. - Isolation of the trachoma virus in a tissue culture, preliminary report p. 335.
Gershenzon, S. M., and others - Study of infectious RNA formed in insects infected by the nuclear polyhedrosis virus. p. 337.
Ermol'eva, Z. V and others - Comparative study of the effect of the new preparation dimethacycline and other antibiotics on the trachoma virus. p. 343.
Shapiro, V. S., Morgunova, T. D. - Pathogenesis of cystic lymphadenopathy in rats caused by Rous sarcoma virus. Report No. 1. p. 346.
Galdamovich, S. IA., Vlodavets, V. V. - Detection of minimal concentrations of influenza virus in the droplet phase of an aerosol. p. 349.
Study of mumps viruses in some tissue cultures and their analysis in a neutralization reaction. p. 353.
Unanov, S. S., and others - Some results of epidemiological observations in conducting influenza vaccinations. p. 358.
L'vov, D. K., Zaklinskaia, V. A. - Use of the hemagglutination inhibition reaction for the study of the immunogenic characteristics of formalized vaccines against tick-borne encephalitis. p. 360.
Gavrilov, V. I., Zmieva, R. G. - Simplified method for deriving clones from single cells of continuous cell strains. p. 361.
TSikartishvili, T. N., Kibardin, S. A. - Nutrient medium for human amnion cell culture on an aminopeptide-2 base. p. 365.
Spitsa, A. I., and others - Abstracts of articles submitted to the editors. p. 367.
Reviews and bibliography. p. 373.
Editors' notes. p. 375.
Brief news. p. 376.

d. CHEMISTRY

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Izvestiia [ACADEMY OF SCIENCES OF THE U. S. S. R. Siberian Department. Bulletin]. Novosibirsk, no. 7, 1963. Seriia khimicheskikh nauk [Series in the Chemical Sciences], no. 2,

Table of contents translated.

Klevtsov, P. V. - Crystallization of magnetic garnets under hydrothermal conditions. p. 3.
Kirgintsev, A. N., Avvakumov, E. G. - Equations for fusibility curves of simplest binary systems. Report No. 2. p. 8.
Peshchevitskii, B. I., Kazakov, V. P. - Compensation effect and the kinetic scale of trans-effect in complex compounds of platinum. p. 20.
Val'tsev, V. K., Kuptsanova, A. K., Kamarzin, A. A. - Precipitation from fused salts. Report No. 3. Precipitation of neodymium and praseodymium from molten potassium nitrate studied by the method of amperometric titration. p. 29.
Polovinkina, R. A., Zabolotskii, T. V. - Thermographic study of the system in - In_2O_3. p. 34.
Vulikh, A. I., Bogatyrov, V. L. - Ion-exchange preparation of acids under static-dynamic conditions. p. 40.
Adamenko, I. A. - Nature of germanium compounds volatilizing with flue gases during coal burning. p. 48.
Drobot, N. M., Khazanov, E. I. - Method for measuring electric conductivity for the study of sintering processes in alumina-containing mixtures. p. 54.
Ruzhnikova, T. N. - Distribution of fluorine in the ice and liquid phases of water of some water sources of Irkutsk and Irkutsk Province. p. 62.
Tret'iakov, V. P., Rudakov, E. S. - Free energies of intermolecular reactions in liquids p 67
Bondarev, A. F. - Role of the thermal motion of molecules in the broadening of bands of Raman scattering of light. p. 74
Gel'd, P. V., Liubimov, V. D. - Activation energy of the process of autodiffusion of niobium in its oxides. p. 79
Vanbel', A. S., Kaliberdo, L. M., Sidorov, R. I. - Selecting a steady state for separation by means of gas-liquid chromatography of a mixture of oxygen compounds formed in the oxidation of propylene to propylene oxide p 86
Atavin, A. S., Vasil'ev, N. P, Vasil'eva, A. A. - Interaction of vinyl alkyl ethers with trimethylolethane. p 93
Kalabina, A. V., Vlasova, N. N., Miskova, A. N. - Synthesis and properties of some aromatic mercaptans, sulfides, and sulfones p 99.
Mikulinskii, A. S., and others. - Vacuum-thermal separation of cesium and potassium fluorides. p 105.
Khripin, L. A. - Phase equilibria in the system LiF - LaF_3. p. 107.
Shul'man, V. M - Valuable manual. p 111.

***KOLLOIDNYI ZHURNAL [COLLOID JOURNAL].** Issued by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 25, no. 5, Sep.-Oct, 1963.

Table of contents translated:

Grozinskaia, Z. P., Sanzharovskii, A. T., Zubov, P. I. - Thermal aging of polyester coatings. p. 595.
Volarovich, M. P., Polinkovskaia, A. I., IAvits, I. N. - Blistering of water-containing vulcanic glasses (perlites) studied by motion-picture photography. p. 512.
Dogadkin, B. A., and others - Dielectric properties of unfilled vulcanizates of various structures. p. 515.
Dukhin, S. S. - Diffusion-electric theory of the Dorn effect. Part 2: Effect of surface diffusion and electric conductivity on the electric field for Peclet numbers much smaller than unity. p. 520.
Dukhin, S. S. - Diffusion-electric theory of the Dorn effect. Part 3 Method for calculating the far-range electric field for large Peclet numbers. p. 524.
Zubov, P. I., Grozinskaia, Z. P., Sanzharovskii, A. T. - Effect of the duration of heating on the deformation properties of polymer films. p. 533.
Kiselev, A. V., Pavlova, L. F. - Adsorption of benzene and n-hexane on silica gel from their vapor mixture. p. 537.
Kiselev, A. V., Serdobov, M. V. - Isotherms and differential heats of adsorption of n-hexane, benzene, and carbon tetrachloride vapors on polytetrafluoroethylene (teflon). p. 543.
Klassen, V. I., Liaskovskii, IA. T. - Effect of inorganic salts on the potential of the anthracite electrode and the stability of anthracite and carbon suspensions in relation to their "salt" flotation. p. 549.
Konstantinova, V. V., and others - Effect of surface-active agents on the strength of structures in concentrated nonaqueous suspensions. p. 555.
Kontorovich, S. I., Segalova, E. E., Rebinder, P. A. - Effect of gypsum on the hydration and hydration hardening of calcium oxide. p. 561.
Lovina, S. A., Malashevich, L. N., Ermolenko, N. F. - Adsorption of dyes by synthetic zeolites. p. 567.
Miskarli, A. K., Zemlianskaia, V. IA. - Effect of alkaline tanning materials on aqueous clay suspensions. p. 573.
Nazarov, V. I., Sukhorukova, T. I. - Certain data on the adsorption properties of starch. p. 578.
Nikitina, S. A., Spitsdonova, V. A. - Colloid chemical properties of solutions of sulfonol NP and its analogs and their detergent action. p. 581.
Ponomarev, V. V., Karetina, T. I. - Sorption and desorption of vapors by wheat gliadin. p. 587.
Pushkarov, V. V., Budenkov, E. A. - Extraction of manganese dioxide from its hydrosol by means of gelatine foam. p. 589.
Skrylev, L. D., Mokrushin, S. G. - Effect of temperature on the rate of the emulsion extraction of colloids. p. 593.
Tarakanov, O. G., Eremina, E. G. - Foaming in nonaqueous solutions. Part 1: Selection of frothing agents for plasticizers. p. 596.
Chernogorenko, V. B., Grankovskii, I. G. - Structure-mechanical and other properties of cement paste during its transition from the viscoplastic to the resilient-brittle state. p. 600.
Sheludko, A., Ekserova, D., Platikanov, D. - Kinetics of the thinning and rupture of thin films of liquid. p. 606.
Shits, L. A., Trapeznikov, A. A. - Structure-mechanical properties of the adsorption layers of some surface-active compounds at the interfacial boundaries of their aqueous solutions with air and styrene. p. 613.
Erkenov, M. M. - Periodic deposition of corrosion products in the breakdown of concrete. p. 621.
Zorin, Z. M. - Polymorphism of benzene films on mercury. p. 624.
Shershnov, V. A., Ginzburg, L. V., Dogadkin, B. A. - Behavior in the stretching of natural rubber vulcanizates with p-tert-butyldimethylolphenol. p. 626.
Witte, L. de - On A. I. Rusanov's article "On two adsorption theorems." p. 628.

MOSCOW. VSESOIUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. Khimiia; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [ALL-UNION STATE LIBRARY OF FOREIGN LITERATURE. Chemistry, Classed Index of Articles in Foreign Periodicals]. No. 8(118), 1963.

RADIOKHIMIIA [RADIOCHEMISTRY], Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 2, 1963.

Table of contents translated

Vladimir Ivanovich Vernadskii, on the centenary of his birth p. 149

Starik, I.E., Elizarova, A.N., Kuznetsov, IU.V. - Determination of the age of oceanic deposits by the ionium-protactinium method. p. 154

Sobotovich, E.V., Grashchenko, S.M., Lovtsius, A.V. - Isotopic composition of lead in the oldest rocks. p. 157.

Atrashenok, L.IA., and others. - Isotopic composition of lead of the northern Tien Shan p. 160.

Syromiatnikov, N.G., and others - Determination of the isotopic composition of thorium in natural formations p. 164.

Atrashenok, L.IA., Krylov, A.IA. - Radioactive equilibrium in rocks of eastern Antarctica p. 170.

Krylov, A.IA. - Evolution of radioactivity and of general chemical composition of rocks in the Tien Shan northern zone. p. 173

Shvedov, V.P., Ivanova, L.M., Zharikov, V.I. - Separation of radioactive cesium from seawater. Part 1. Separation of cesium as a compound with zinc, copper, and nickel ferrocyanides. p. 182.

Ivanova, L.M., Shvedov, V.P. - Separation of radioactive cesium from seawater. Part 2. Separation of cesium as a compound with alkaline earth ferrocyanides. p. 185.

Kuznetsov, IU.V., Legin, V.K., Simonik, Z.N. - Determination of ultrasmall quantities of uranium, radium, and thorium isotopes in silicate materials taken from the same batch p. 189.

Starik, I.E., Arslanov, Kh.A., Klener, I.R. - Improved techniques for the chemical preparation of samples for radiocarbon dating by the scintillation method. p. 198

Egorov, IU.V., Krylov, E.I. - Effect of the mass of a collector (hydrated oxide) on the sorption of trace amounts of certain radioactive isotopes. p. 205.

Egorov, IU.V., Krylov, E.I. - Characteristics of the sorption of strontium 90 by active manganese dioxide. p. 211.

Knalkin, V.A., Patel, P.N., Nemodruk, A.A. - Extraction of tetravalent plutonium from nitric acid solutions with oxygen-containing extractants. p. 215.

Krasnov, K.S. - Effect of the structural factors on the thermodynamic characteristics of the extraction of basic dye salts Part 3. Equilibria in the extraction with a "dissociating" solvent. p. 222.

Kazantsev, E.I., Kudusov, V.A. - Wash-out of thorium from strongly basic anion exchangers p. 231.

Starik, I.E., Il'menkova, L.I. - Complex formation of protactinium in acid nitric acid solutions. p. 236.

Gaivoronskii, V.I., Osipov, O.A., Shagidullin, R.R. - Infrared spectra of thorium, zirconium, and uranyl complex compounds with 8-ovin and tributyl phosphate. p. 244.

Lapitskii, A.V., Geletseanu, I., Mink, IA. - Complex formation of thorium with mandelic and α-hydroxyisobutyric acids. p. 249.

Krestov, G.A. - Thermodynamic characteristics of atoms and ions of rare earth and actinide elements. p. 258.

Negina, V.R., Zamiatnina, V.N., Egorova, A.A. - Determination of chlorine, arsenic, and phosphorus impurities in some organic materials by the activation method. p. 270.

Burovina, I.V., Nesterov, V.P., Fleishman, D.G. - Mass-spectrometric method of determining the microquantities of cesium. p. 272.

Vol. 5, no. 3, 1963.

Table of contents translated.

Gerling, E.K., Kol'tsova, T.V. - Cocrystallization of argon crystal hydrate with silane and methane crystal hydrates. p. 277.

Klokman, V.R., Kolesnikova, N.S. - Study of the behavior of Sr^{90} in melts by the method of isomorphic cocrystallization in the systems $PbCl_2$ - $SrCl_2$ - LiCl and $PbCl_2$ - $SrCl_2$ - NaCl. p. 284.

Abdel' Gavad Saed, Lapitskii, A.V., Rudenko, N.P. - Extraction of thorium by means of benzohydroxamic acid. p. 290.

Zamiatnina, V.N., Chikisheva, L.A. - Quantitative determination of the sum of rare-earth elements, ruthenium, palladium, and platinum in metallic beryllium using the activation method. p. 294.

Moskvin, L.N., Preobrazhenskii, B.K., Rzhanitsyna, L.N. - Use of ion exchange resins as aqueous phase carriers in partition chromatography. Separation of Zn, Cd, and Hg. p. 299.

Starik, I.E., Kuznetsov, B.S., Ampelogova, N.I. - Adsorption of polonium by glass and paper filters in the presence of salts. p. 304

Vdovenko, V.M., Suglobov, D.N., Krasil'nikov, V.A. - Infrared absorption spectra of uranyl nitrate and complexes with neutral addends p. 311

Ginzberg, A.A., Petrzhak, G.I. - Additional data on the solubility of tetravalent uranium oxalate p. 319.

Lapitskii, A.V., Geletseanu, I. - Study of protactinium complex formation with mono-, di-, and polycarboxylic acids by the ion exchange method Part 2. Complex formation of protactinium with α-hydroxybutyric and amygdalic acids. p. 330

Nemodruk, A.A., Patel, P.N., Kochetkova, N.E. - Comparative study of reagents for the photometric determination of plutonium p. 335

Shvedov, V.P., Antonov, P.G. - Separation of praseodymium and neodymium by electrolysis on a mercury cathode. p. 342.

Mar'inov, B.M., Serebrennikov, V.V. - Determination of some rare-earth elements by radiometric titration with cupferron p. 347.

Van Fu-tszian [Wang Fu-chiung], and others - Positive astatine ion in nitric acid solution p. 351

Syromiatnikov, N.G., Mukashev, F.A., Kapatsinskaia, L.A. - Determination of MsTh1 by measuring β-radiations of MsTh2 in a radium preparation from which foreign radioelements were removed. p. 355.

Zaborenko, K.B., Tetner, R., Melikhov, L.L. - Use of the emanation method in the study of calcium silicate hydrates p. 360.

Shvedov, V.P., Kotegov, K.V. - Electromigration method for determining the physicochemical constants of the compounds in a state of extreme dilution Part 1. Determination of the path of ions and of the nature of electrolyte flow during continuous electrophoresis on a porous filler. p. 369.

Shvedov, V.P., Kotegov, K.V. - Electromigration method for determining the physicochemical constants of the compounds in a state of extreme dilution. Part 2. Determination of the series of physicochemical values of Tc and Re compounds. p. 374

Nesmeianov, An.N., Filatov, E.S. - Role of high energy reactions in the processes of stabilization of bromine 82 hot atoms in alkyl bromides. p. 378

Berdnikov, A.I., Orekhko, V.F - Effect of pH on the sorption of Co^{60} by peat. p. 390.

Zemlianova, L.I., and others. - Electron microscope study of the effect of radioactivity of elementary sulfur on the structure of its surface. p. 392.

Belov, L.M., and others. - α-Decay of Cm^{245} and Cm^{246} p. 394.

Pozdeev, V.V., Nesmeianov, An.N., Dzantiev, B.G. - Interaction of tritium recoil atoms with halo derivatives of benzene p. 395.

Chaikin, P.I., Golubev, N.V. - Rapid method of isolating radium isotopes for emanation measurements. p. 397.

Vol. 5, no. 4, 1963.

Table of contents translated

Miakishev, K.G., Klokman, V.R. - Formation of anomalous mixed crystals of CaF_2 - CeF_3 and CaF_2 - YF_3 during the crystallization of calcium fluoride from a melt. p. 401.

Toth, G. - Adsorption of I^{131} tagged iodine on a platinum surface. p. 411.

Ul'ianov, V.S., Sviridova, R.A - Dissociation, dimerization, distribution of di(2-ethylhexyl) phosphoric acid in the system octane - 0, 1 M solution of $NaClO_4$ - $HClO_4$. p. 419.

Laskorin, B.N., and others. - Mixtures of mono- and di(2, 4-diethyl-1-octyl)methyl phosphonates as extractants. p. 424.

Dakar, G.M., Iofa, B.Z., Nesmeianov, An.N. - Extraction of complex acids with oxygen-containing solvents. Part 1: Extraction of micro- and macroquantities of antimony (V) with alcohols, ethers, and esters. p. 428.

Nikitina, G.P., Pushlenkov, M.F. - Vibrational spectra of zirconium complexes with organophosphorus derivatives. Part 1. Spectra of extracts from hydrochloric and nitric acid solutions. p. 430.

Nikitina, G.P., Pushlenkov, M.F. - Interaction in the system tri-n-butylphosphine oxide-hydrochloric acid. p. 445.

Nikitina, G.P., Pushlenkov, M.F - Vibrational spectra of zirconium complexes with organophosphorus derivatives. Part 2. Complexes of zirconium tetrachloride. p. 456.

Kerotchuk, A.S., Paramonova, V.I. - Complex formation of europium with an oxalate ion studied by the ion exchange method. p. 464.

IAkimov, M.A., Nosova, N.F., Filippov, V.K. - Change of the chemical potentials of water in the systems type $UO_2(NO_3)_2$ - $M(NO_3)_n H_2O_0$ at 25°C. p. 474.

Vladimirova, M.V., Ershova, Z.V. - Effect of α-radiation on sulfuric acid solutions of methylene blue. Mechanism of α-radiolysis. p. 470.

Sheka, Z.A., Siniavskaia, E.I. - Extraction of thorium with dibutylphosphoric acid from solutions in nitric acid. p. 485.

Iofa, B.Z., Dakar, G.M. - Extraction of complex acids with oxygen-containing solvents Part 2. Calculating the equilibrium constants of antimony (V) hydrolysis in solutions of hydrochloric acid and investigating the mechanism of its extraction with di-n-butyl ether. p. 490.

Nazarenko, V.A., Biriuk, E.A., Poluektova, E.N. - Separation of small amounts of thorium from rare-earth elements, iron, and aluminum on an ion exchange resin with an absorbed reagent. p. 497.

Samoilov, O.IA., Golovatenko, R.T., Mashkichev, V.I. - Influence of covalence of the interaction of a salting out cation with water molecules on the effectiveness of salting out. p. 499.

Levin, V.I. - On a rational form of the law of distribution in the process of extraction. p. 505

Guseva, A.N., Parnov, E.I. - Solubility of hydrocarbons in heavy water. p. 507.

Smelov, V.S., Strakhova, A.V. - Extraction of oxalic acid with trioctylamine. p. 509

Vdovenko, V.M., Romanov, G.A., Shcherbakova, V.A. - Shift of bands in the absorption spectra of U(IV) during the fluoride complex formation. p. 511

Avdonina, E.N., Nesmeianov, An.N. - Reactions of tritium recoil atoms in mixtures of cyclopentane with cyclohexane p. 514.

Nesmeianov, An.N., Tszian Tai-van [Chiang Tai-wang], Filatov, E.S - Interaction of hot atoms of tritium with aliphatic alcohols in the liquid phase p. 515

Nesmeianov, An.N., Mudrova-IAblonitska, V. - Effect of Co^{58} recoil after (γ, n)-reaction in complex compounds of cobalt. Co(III) triglyceride and vitamin B_{12}. p. 516.

Pankratova, L.N., Vlasov, L.G., Lapitskii, A.V. - Certain characteristics of the behavior of zirconium 95 in carrier-free solutions. p. 510.

Afanas'ev, IU.A., Riabinin, A.I. - Preparation of carrier-free UX_1 (Th^{234}) by the extraction method p. 520

REFERATIVNYI ZHURNAL: KHIMIIA [JOURNAL OF ABSTRACTS: CHEMISTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 2, 9-10, 12-13, 16, 19, Jan., May-Aug., Oct, 1963.

UZBEKSKII KHIMICHESKII ZHURNAL [UZBEK CHEMICAL JOURNAL]. Issued by Akademiia nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 7, no. 4, 1963.

Table of contents translated

Imamnazarov, N., Nabiev, M.N. - Corrosion resistance of some materials during the nitric acid decomposition of phosphates and potassium chloride p. 6.

Tokhtakhodzhaev, S.T. - Variegated Jurassic clays as components of raw charges in the production of cement. p. 11.

Talipov, Sh.T., and others. - Photocolorimetric determination of niobium. p. 18.

Semasheva, I.N., Sofiev, I.S. - Fusainous components of coal and the nature of so-called sclerotinite, Report No. 2. p. 23.

Azizov, M.A., Khamraev, A.D., Khakimov, Kh.Kh. - Complex compounds of nicotinic acid and its amide with manganese halides. p. 32.

Aripov, E.A., and others. - Effect of the artificial soil aggregation agent K-4 on gray desert soils having different degrees of dispersity. p. 35

Fakhrutdinova, I.M., Sidikin, G.P., IUnusov, S.IU. - Alkaloids from Haplophyllum foliosum. Haplophyllin. p. 41.

Rustamov, Kh.R., Usmanov, R. - Condensation of furfurole with nitromethane in the presence of anion exchangers. p. 44

Baram, B.M., Markman, A.L. - Oil of Peterlinia polyganum seeds. p. 47.

Askarov, M.A., Muratova, U.M. - Reactions involved in the copolymerization of α-chloroacrylic esters with acrylonitrile. p. 53.

Sultanov, K., Arbuzova, I.A. - Polymerization of diene acetals, divinyl-allylvinyl- and diallylacetal p. 58.

Tumur, B., Sadykov, A.S., Sharipova, Sh. - Condensation of N-methyl-α and α'-aminoantrabasin with malonic ester. p. 64.

Adylova, T.T., Riabova, N.D. - Adsorption-chromatographic method for determining the content of normal paraffinic hydrocarbons in gasolines and kerosines. p. 68.

Dmitriev, P.P., Mat'iakubov, D. - Physicochemical properties of oxidized bitumens from South Uzbekistan oil. p. 74.

Sidorova, N.G., Grebenshchikov, IU.B. - Synthesis of 1-methyl-2-phenylcyclohexanol. p. 79.

VSESOIUZNOE KHIMICHESKOE OBSHCHESTVO IMENI D.I. MENDELEEVA. Zhurnal [D.I. MENDELEEV ALL-UNION CHEMICAL SOCIETY. Journal]. Moscow, vol. 8, no. 4, 1963.

Table of contents translated:

Vasil'ev, IU.M. - New ideas on cancerogenesis. p. 362.

Shapot, V S - Some aspects of the biochemical study of malignant tumors. p 373.
Medvedev, Zh.A. - Molecular mechanisms of the ontogenesis and the problem of cancer. p. 384.
Vasil'ev, IU.M., Malenkov, A.G - Characteristics of the surface of normal and tumorous cells p. 394
Neifakh, A A. - Correlation of the nucleus and cytoplasm and the problem of cellular differentiation. p. 403.
Belousova, A K. - Biochemical approaches to the chemotherapy of cancer. p 413.
Khomchenovskii, E I., Karpavichus, K I. - Present-day status of the problem of chemotherapy of cancer. p. 424.
Pogosiants, E E. - Cytogenesis of tumors. p. 449.
Abelev, G.I - Immunochemistry of tumors. p. 459.
Demin, V.N. - Diagnosis of cancer. p. 468.
Obel'nitskii, IA.P - Reaction of thermal coagulation of the blood plasma as a method of early diagnosis of cancerous and precancerous diseases p. 471.
Alpatov, V.V. - Book review. p. 474.
Zhuvorenkov, N M. - In memory of Ivan Platonovich Losev p. 475
All-Union Public Inspection of the Fulfillment of Plans for Scientific Research Work and the Introduction of the Achievements of Science and Technology into the National Economy p. 479.

* ZHURNAL NEORGANICHESKOI KHIMII [JOURNAL OF INORGANIC CHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol 8, no 9, Sep 1963
Table of contents translated.

Sokolov, V.A., Bannashek, R.I., Rubinchik, S.M - Enthalpy of corundum in the 678 -1330°K temperature range. p 2017.
Galkin, N.P., and others. - Zirconium tetrafluoride vapor pressure p. 2021.
Selivanova, N.M - Approximate calculation of the heats of formation of selenates. p. 2024.
Kochergin, V.P., Krasil'nikova, Z.A. - Solution of magnesium in melts containing chlorides of alkaline earth metals p. 2029.
Marchenko, V.I , Samsonov, G.V. - Properties of rare earth metal monosulfides. p. 2035
Kochergin, V P., Krasil'nikova, Z.A. - Formation of magnesium subchloride. p. 2038.
Berg, L.G., Kovyrzina, V.P. - Thermodynamics of dissociation of ferrous and manganous hydroxides p. 2041.
Shchegrov, L.N. - Some characteristics of the process of vapor-phase hydrolysis of titanium tetrachloride. p. 2046.
Volshtein, L M., Anokhova, L.S. - Complex compounds of bivalent platinum with leucine. p. 2053
Ablov, A.V., Semina, V.G. - Thermal decomposition of chlorides of mixed platinum (II) cis-tetramines containing ammonia and aromatic amines in the inner coordination sphere. p 2059.
Vinogradov, A.V., Aptina, R.M., Chertsvenkova, E.P. - Carbonate complex of beryllium (III) with hexamminocobalt (III). p. 2062.
Babaeva, A.V., Ikramov, Kh.U., Afanas'eva, G.G. - Ammonia-thiourea complexes of nickel. p. 2065.
Sychev, A.IA., Gerbeleu, A.P., Migal', P.K. - Thermodynamics of a stepped complex formation of nickel ions with triethanolamine. p. 2070.
Simarevich, A.I. - Structure of a citrate complex of manganese (II). p. 2074.
Molodkin, A.K., Skotnikova, G.A. - Thermogravimetric study of thorium thiocyanates. p. 2080.
Kulikovskii, B.N., Mikhailov, IU.N., Trone, V.G. - Products of the oxidation of Te by oxygen under pressure in aqueous solutions of KOH. p. 2038
Semenenko, K.N., Turova, N.IA. - Structure of "onium" compounds of beryllium halides. p. 2093.
Prik, G.A. - Thermochemistry of the formation of complexes of some ions of rare earth elements with ethylenediaminetetraacetate. p. 2099.
Fedorov, P.I., IAkunina, V.M. - Interaction between gallium, sodium, copper (I), and silver chlorides. p. 2103.
Shchukarev, S.A., Perfilova, I.L - Interaction of vanadium trichloride with sodium, potassium, and rubidium chlorides. p. 2106.
Mironov, V.E., Fedorov, V.A., Nazarov, V.A. - Stability of chloride complexes of lead, bismuth, and cadmium. p. 2109.
Mironov, V.E., Kul'ba, F.IA., Trifonov, O.I. - Effect of alkali metal cations on the formation of thiocyanate complexes of lead (II). p. 2113.
Svechnikov, V.N., Pan, V.M., Spektor, A.TS. - Intermediate phases in the iron - zirconium system. p. 2118.
Eremenko, V.N., Nizhenko, V.I. - Surface properties of Ni-Au-Al_2O_3 liquid alloys. p. 2124.
Boom, E.A. - Mechanism of the formation of fine-grained (modified) structure of silumin. p. 2128.
Ioffe, A.V., Kuznetsov, V.G., Palkina, K.K. - Heat conduction and value of the Z efficiency of solid solutions in the systems Bi_2Se_3 - Sb_2Te_3 and Bi_2Te_3 - Sb_2Se_3. p. 2132.
Kuznetsov, V.G., Palkina, K.K., Dmitriev, A.V. - Electric conductivity and thermoelectromotive force of solid solutions in the systems Bi_2Se_3 - Sb_2Te_3 and Bi_2Te_3 - Sb_2Se_3. p. 2136
Berezina, S.I., Bergman, A.G., Bakumskaia, E.L. - Ternary reciprocal system consisting of fluorides and chlorides of lithium and potassium p 2140
Bergman, A.G., Berezina, S.I., Bakumskaia, E.L. - Stable cross sections of the quaternary reciprocal system consisting of fluorides and chlorides of lithium, sodium, and potassium. p. 2144.
Bergman, A.G., Arabadzhan, A S - Reciprocal system consisting of chlorides and bromides of lithium and silver p 2148.
Kamaeva, I.G., Serebrennikov, V.V. - Solubility isotherm of the system $ZrOCl_2$ - $CaCl_2$ - HCl - H_2O at 25°. p. 2151
Turova, N IA , Semenenko, K.N., Novoselova, A.V. - Compounds of beryllium chloride with phosphorus oxychloride. p. 2155
Protsenko, P.I , Brykova, N.A. - Differential thermal analysis of binary systems of nitrites of thallium and alkaline earth metals. p. 2163.
Fiulkov, IU IA , Feneli, G.N. - Physicochemical analysis of binary systems with exchange interaction. p. 2168.
Posypaiko, V I - Change of the type of singular star of quinary systems when a sulfate ion is substituted for halides. p 2178.
Zaitsev, A A., and others - Extraction of rhenium and molybdenum with trioctylamine from sulfuric acid solutions. p. 2181.
Indikov, E M , and others - Demixing in the system HCl - H_2O - tri-n-butyl phosphate-diluent. p 2187.
Osipov, O.A., Galvelonskii, V.I , Shvets, A A. - Donor properties of phosphoryl and ester oxygen in tributyl phosphate. p. 2190.
Dushina, A.P., Aleskovskii, V.B. - Chromatography of heavy metals on silica gel p 2194.
Kazantsev, E.I., Denisov, A.N. - Sorption of some elements by carboxyl cation exchangers. p. 2198.
Lobanov, N.I , Smirnova, V A - Complex compounds of rare earth elements with 1,10-phenanthroline. p. 2206
Lobanov, N.I , Smirnova, V.A. - Complex compounds of nitrates of rare earth elements with 2,2-dipyridyl. p. 2208.
Zorina, E.L - Determination of absorption age. p. 2210
Sulaimankulov, K., Naumova, G.V. - Complex formation in the system lithium sulfate - urea - water. p 2211.
Riabov, A.N , Nikol'skii, A.B - Reaction of ruthenium tetraoxide with ammonia. p 2213
Gurovich, E.I. - "Rare earth metal alloys" by E.M. Savitskii and others p. 2214.

Vol 8, no.10, Oct. 1963.
Table of contents translated.

Slavnova, G.K. - Polymorphism of In_2Se_3. p. 2217.
Kovalenko, K.N., Kazachenko, D.V., Samsonova, O N. - Properties of thorium acetate. p. 2222
Grinberg, A.A., Gil'dengershel', Kh.I , Panteleeva, E.P - Acidic-basic properties of geometrically isomeric complex compounds. p. 2226.
Chernaev, I.I., and others - Interaction of carbonato and fluoro groups in the inner sphere of uranyl complexes. p. 2232
Molodkin, A.K., Skotnikova, G.A. - Molecular refractions of some thorium thiocyanates. p. 2240.
Bochkarev, G.S., Zaitsev, L.M., Kozhenkova, V.N. - Complex oxalates of zirconium. p. 2246.
Krylov, E.I., Pinaeva-Strelina, M.M. - Orthotantalates of lanthanum, samarium, and europium. p. 2254.
Tananaev, I V., Tereshin, G.S. - Complex formation of yttrium with ethylenediaminetetraacetic acid. p 2258
Nazarenko, V.A., Fliantikova, G V. - Instability constants of dipolyologermanium complexes. p. 2271.
Andrianov, A.M., Nazarenko, V.A. - Ionization constants of tripyrocatechol-germanic and tripyrogallol-germanic acids. p. 2276.
Andrianov, A M., Nazarenko, V.A. - Instability constants of tripyrocatechol-germanic and tripyrogallol-germanic compounds. p. 2281.
Nikitina, E.A., TSvetkov, N.A. - Potentiation of β-luteophosphotungatic acid.
Margulis, E.V., Remizov, IU.S. - Thermation and hydrolysis of mercury (II) sulf
Sheka, I.A., Lastochkina, A.A. - Interac potassium hexafluorohafniate with amm alkalies. p. 2295
Nabivanets, B.I. - State of tantalum (V) in of oxalic, tartaric, hydrofluoric acids, gen peroxide. p. 2302.
Il'iukevich, L.A., Shagisultanova, G.A. - of cupric chloride and bromide with tri hydrochloride. p. 2308.
Mustafin, I.S., Lenskaia, V.N., Terekho Interaction between copper and chromiu p. 2314.
Mironov, V.E., and others. - Effect of al cations on the formation of chloride com bismuth. p. 2318.
Kul'ba, F.IA., Mironov, V.E., Andreeva Complex compounds of thallium (III) w amines. p 2323.
Kul'ba, F.IA., Mironov, V L., Amin'eva, L A - Complex compounds of monovalent thallium with 1,10-phenanthroline p 2326
Smitsyn, N M., Zvlagintsev, O.E - Effect of outer-sphere cations on the stability of ligand bonds in complex compounds. p. 2329.
Gunner, E A. - Refractometry of complex-forming reactions in aqueous solutions. p. 2334
Vinarov, I V., Khomova, N.P - Electric conductance and cryoscopy of hafnium sulfate solutions. p 2341.
Tylkina, M.A., TSyganova, I.A. - Properties of palladium-rhenium alloys p. 2346.
Grigor'ev, A.T., Kuprina, V.V - Alloys of chromium with iron and cobalt p 2351.
Stromberg, A.G., Gorodovykh, V.E. - Intermetallic compound of zinc with copper p 2355
Vasil'kova, I.V., Zaitseva, N.D., Shapkin, P S. - Interaction of tungsten hexa- and pentachloride with sodium and potassium chlorides. p. 2360.
Zaitseva, N.D. - Synthesis and determination of the heats of formation of $KWCl_6$ and K_2WCl_7. p. 2365.
Vasil'kova, I.V., Zaitseva, N.D , Petrova, V.A - Systems RbCl - WCl_6, RbCl - WCl_5, CsCl - WCl_6, and CsCl - WCl_5. p. 2369
Glazov, V.M., Maliutina, G.L. - Solubility of gallium and indium phosphides in germanium p 2372
Morozov, I.S., Krokhin, V A. - Interaction of niobium oxychloride with alkali metal chlorides and the thermal stability of pentachlorooxyniobates p. 2376.
Pliushchev, V.E., Kuntova, L V - Solubility of lithium carbonate in solutions of lithium chloride and nitrate at 25° p. 2381.
Kniazev, E.A. - Solubility in the system GeO_2 - H_2O - HCl - $GeCl_4$. p. 2384.
Brutle, E.S. - Solubility in the system PbO - $Na_2C_4H_2O$ - H_2O at 25°. p. 2390
Golovatenko, R.T. - Salting out in the extraction of uranyl nitrate from aqueous solutions. p. 2395.
Smirnov-Averin, A.P., Kovalenko, G S., Kiot, N.N. - Extraction of uranium (IV) from nitric acid media by tri-n-butyl phosphate. p. 2400
Zaitsev, A.A., and others. - Extraction of rhenium by pyridine bases. p. 2407.
Spitsyn, Vikt.I., Afonskii, N.S. - Sodium tri- and tetrachromates. p. 2412.
Zelentsov, V.V. - Inner-complex compounds of uranyl with tridentate ligands. p. 2413.

e. MATHEMATICS

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Institut matematiki i mekhaniki. Trudy [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Institute of Mathematics and Mechanics. Transactions]. Baku, vol. 2(10), 1963.
Table of contents translated.

Dzhafarov, A.S - Some direct and inverse theorems on best approximation in the mean of functions of several variables, and theorems on imbedding with weight. p. 5.
Veklov, Sh.I. - Green's function for a Laplacian operator in a composite region. p. 24.
Veklov, Sh.I. - Solution of Zaremba's problem in a composite region. p. 32
Panaioti, B.N. - Nonlinear differential equations with small parameters in a Banach space. p. 39.
Mamedov, R.G. - Order and asymptotic value of the approximation of functions by generalized linear Landau operators. p. 49.
Maksudov, F.G. - Spectrum of non-self-adjoint differential operators. p. 66.
Aliev, I.S. - Cauchy's problem for systems of integrodifferential equations. p 77.

Zi

A

Sn

Elubaev, S E - Solution of a boundary value problem for a third-order hyperbolic equation in a certain class of regions. p. 37

Omarov, E.O. - Use of the straight line method in the approximate solution of the Dirichlet problem for an elliptic partial differential equation p. 45.

Tokarev, P.I. - Some problems in the geometrical theory of the second variation in Lagrange's variational problem p 49.

Bedel'baev, A K - Stability criteria for nonlinear regulated systems based on the method for finding envelopes. p 52.

Bedel'baev, A.K - Absolute stability of nonlinear regulated systems with many controls. p. 60.

Bimbetov, K.K. - Quick operation problem solved without switching of control functions p 67.

Lic, V - Closed solutions to Stefan's n-dimensional problem p. 71.

Zil'berberg, A A. - Existence of a closed convex surface with a given integral curvature topologically mapped onto a sphere p. 73

Amerbaev, V.M. - Expansion in Neumann type series of original functions defined by Laplace transforms p. 78.

Bulabaev, T. - Errors in nomogram readings and their determination. p 98.

Karinskii, S.IU - Limit equilibrium of a grainy medium near a round stamp. p 128.

Sapa, V.A., Tratsevskaia, IU.P. - Motion of a solid body of variable mass with a single fixed point. p. 138

Ibragimov, I.I., Kashkarov, V.P. - Laminar boundary layer of a fluid of variable viscosity. p. 161

Pasechnik, I.I, Rybasov, V.I. - Application of the symbolic method to studies of stresses and roof shifts in chamber mining systems with ribbon pillars. p 169.

AKADEMIIA NAUK SSSR Vychislitel'nyi tsentr. Standartnye i tipovye programmy dlia mashiny "Strela-3" [ACADEMY OF SCIENCES OF THE U S S R. Computation Center. Standard Programs for the "Strela-3" Computer]. Moscow, no. 5, 1963.

Contents: Alikhashkin, IA.I., Kantor, B.IA., Marchenko, G.A. [Standard programs for the "Strela-3" computer] Standartnye programmy dlia mashiny "Strela-3." 15 p.

ISTORIKO-MATEMATICHESKIE ISSLEDOVANIIA [STUDIES IN THE HISTORY OF MATHEMATICS], Moscow, no. 14, 1961.

Table of contents translated

Editor's foreword p. 7.

Kramar, F D. - John Wallis's integration methods. p. 11

Dorofeeva, A.V - Development of the calculus of variations. p. 101.

Paplauskas, A B. - Uniqueness problem in the theory of trigonometric series. p 181.

Medvedev, F.A. - A.M. Liapunov's contribution to Stieltjes's integral theory. p. 211.

Belyi, IU.A. - L Euler's textbook on elementary geometry. p. 237

Matvievskaia, G.P. - Bertrand's postulate in Euler's notes. p. 285.

Gusak, A.A. - Early history and development of the theory of approximation of functions p. 289.

Maistrov, L E. - First accounting machine invented by P L. Chebyshev. p. 349.

Galchenkova, R.I. - Teaching of mathematics in the University of Leningrad (Petersburg) in the 19th century. p. 355.

Leibman, E.B. - Mathematics Section of the Novorossiisk Natural History Society (1876-1928). p. 393.

Gratsianskaia, L.N. - Mikhail Egorovich Vashchenko-Zakharchenko. p 441

Raik, A.E. - Calculation of certain volumes as presented in the ancient Chinese treatise "Mathematics in nine books " p. 467.

Bashmakova, I.G. - Ancient mathematics in the early part of our era p 473.

Vetter, Q. - Brief review of the development of mathematics in the Czech regions during the period from the Battle at Biela Gora to the end of the 17th century. p. 491.

Lysenko, V.I. - From the history of the problem of cusps of a plane curve. p. 517.

M.V Ostrogradskii's paper on gamma functions, read on February 4, 1859. p. 528.

Chebotarev, N.G. - Applicability of the theory of ideals to algebra. p. 539.

History of calculating devices, materials of the Archives of the Academy of Sciences of the U.S.S.R. p. 551.

Rozenfel'd, B.A., Ushkevich, A.P. - Proofs of Euclid's Fifth Postulate in works by Thābit ibn Qurrah al-Harrānī and Shams al-Din al-Samarqandī. p. 587.

Book on the proof of Euclid's famous postulate, belong to Thābit ibn Qurrah al-Harrānī [translated from the Arabic]. p. 593.

Basic propositions by Shams al-Din Muhammad ibn Ashraf al-Husaini al-Samarqandī [extract, translated from the Arabic]. p. 598.

"Essay on conic sections" by Blaise Pascal [translated from the French] p 603

Comments on B. Pascal's "Essay on conic sections" and G.W. Leibniz's letter to Pélier by G I. Ignatius. p 611.

Birman, K R - Unpublished letter by N.I. Lobachevskii to the Berlin Academy of Sciences p. 623.

ISTORYKO - MATEMATYCHNYI ZBIRNYK [COLLECTED PAPERS ON THE HISTORY OF MATHEMATICS], Issued by Instytut matematyky Akademii nauk URSR [Institute of Mathematics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 3, 1962.

Table of contents translated

Galduk, IU.M - Anton Kazimirovich Sushkevich, obituary. p 3.

Bakhmut'ska, IE.IA. - Blaise Pascal's studies on infinitesimal analysis, on the third centennial of his death p 7.

Gratsians'ka, L.M. - Study on the knowledge of mathematics among the population of Russia and the Ukraine p. 28.

Kushnir, IE.A. - Symbolical methods for the solution of differential equations in the early period of development of their theory. p 37.

Kotek, V.V. - L. Euler's studies on the theory of numbers. p. 50.

Naumov, I.O. - D.M. Sintsov's studies on the theory of connexes and their use to the theory of differential equations p 58.

Razdimakha, H S - Land surveying problems in Babylonian geometry. p 75.

Fradlin, B N. - P. Appell's studies on the dynamics of nonholonomic systems. p. 96.

Fradlin, B.N - Problem of the rotation of a solid body around a fixed point and the role of Russian scientists in developing this theory. p. 105.

Shvetsov, K.I - Sources of L. Mahnits'kyi's "Arithmetic" and its relations to Russian mathematical manuscripts of the 16th century. p. 116

MATHEMATICHESKII SBORNIK [MATHEMATICAL REVIEW] Issued by Akademiia nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society] Moscow, vol 61(103), no 2, June 1963

Table of contents translated:

Bondi, I.L. - A-integrability in the narrow sense. p. 121.

Grushin, V.V. - Conditions of the Sommerfeld type for a certain class of partial differential equations. p. 147.

Gluskin, L.M. - Class imbeddings. p. 175.

Suprunenko, D.A. - A class of solvable Sylow π-subgroups of a complex complete linear group. p. 207.

Ivanov, V.K. - Improperly posed problems. p. 211.

Nikol'skii, S M. - Stable boundary values of a differentiable function of several variables. p. 224.

Shevrin, L.N. - Semigroups, all subsemigroups of which are composition subgroups. p. 253.

Vol 62(104), no 1, Sep. 1963

Table of contents translated

Skornlakov, L.A - Locally bicompact biregular rings. p. 3.

Zarovnyi, V.P. - Circles on affine planes with Euclidean orthogonality. p. 14.

Leont'ev, A.F. - Analyticity of the kernel of an integral transformation. p 31.

Beliaev, V.A. - Sets of convergence and absolute convergence of power series with two variables. p. 39.

Nikol'skii, S.M. - Variational problem. p. 53.

Chunikhin, S.A. - Sets of nonspecial subgroups and p-nilpotent finite groups. p. 76.

Garkavi, A.L. - Best approximation by elements of infinite-dimensional subspaces of a certain class. p. 104.

Vol 62(104), no 2, Oct. 1963

Table of contents translated:

Videnskii, V.S. - Integral transcendental functions and their use in studying N-functions. p. 121

Mikhailov, V.P. - Dirichlet problem for a parabolic equation. Part 2. p. 140.

Fuks, D.B. - Natural mappings of functors in the category of topological spaces. p. 180.

Danelich, I.A. - Generalization of A.D. Aleksandrov's class of type T surfaces and one characteristic of convex closed surfaces. p. 180.

Vainberg, B.R. - Some correct problems over the whole plane for hyperelliptic equations. p. 186.

MATEMATIKA; periodicheskii sbornik perevodov inostrannykh statei [MATHEMATICS, Translations of Foreign Articles]. Published by Izd-vo inostrannoi lit-ry [Publishing House of Foreign Literature], Moscow, vol. 7, no. 5, Sep.-Oct, 1963.

MOSCOW. UNIVERSITET Vestnik Seriia I Matematika, mekhanika [UNIVERSITY Review Series I Mathematics, Mechanics] Vol 18, no 5, Sep - Oct 1963

Table of contents translated

Slezkin, N.A. - Study and implementation of the decisions of the plenum of the Central Committee of the CPSU on ideological work. p. 3.

Sinal, IA.G. - A "physical" system with positive "entropy." p. 6.

Frank, L.S. - Cauchy problem for non-Kovalevskaia type equations with variable coefficients p 13

Tumarkin, L.A. - Highly and weakly infinite-dimensional spaces. p. 24.

Chan Ying Kh'en - Central limiting theorem for stationary processes induced by number-theoretic endomorphisms. p. 28

Kaz'min, IU.A. - Successive remainders of Taylor series p. 35.

Vishik, S M, Rozental', A.L. - Divisions of exponential families of distribution. p. 47.

Sinovikhin, K P. - Modified stream function in one-dimensional unsteady nonisentropic flows with plane waves. p. 50.

Eroshin, V.A. - Entry of a cone into a liquid layer p. 59.

Mavrodi, G.S. - One of the particular solutions of Chaplygin's equations. p 60.

Grekova, N.O. - Nonlinear formulation of the Cauchy - Poisson problem. p. 66.

* PRIKLADNAIA MATEMATIKA I MEKHANIKA [APPLIED MATHEMATICS AND MECHANICS]. Issued by Otdelenie tekhnicheskikh nauk Akademii nauk SSSR [Technological Sciences Department of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 27, no 5, Sep.-Oct. 1963.

Table of contents translated

Ladyzhenskii, M.D. - Viscous hypersonic flow past slender bodies. p. 765.

Gershuni, G.Z., Zhukhovitskii, E.M. - Parametric induction of convective instability. p. 779.

Barenblatt, G.I., Chernyi, G.G. - Moment relations on discontinuity surfaces in dissipative media. p. 784.

Novozhilov, V.V. - Relationships between stresses and strains in initially isotropic inelastic bodies (geometrical aspect of the problem). p. 794.

Arutiunian, N.Kh., Manukian, M.M. - Contact problem of the theory of creep allowing for the friction forces. p 813.

Popov, G.IA. - Some properties of classical polynomials and their use in contact problems. p. 821

Feodos'ev, V.I. - Use of the variational method in analyzing the stability of a compressed rod p 834

Lur'e, K.A. - Mayer-Bolza problem for multiple integrals and the optimization of the behavior of systems with distributed parameters. p. 842.

Ivanov, IU.N. - Motion of a power-limited body of variable mass with preset operating time. p 854

Arkhangel'skii, IU.A. - Motion of a heavy rigid body, rapidly rotating around a fixed point. p. 861

Novikov, L.Z. - Effect of the nonspherical shape of the earth on the operation of a gyrocompass p. 878.

Koshliakov, V.N., Liashenko, V.F. - Stability of gyrocompasses. p. 885.

Belen'kii, I.M. - One application of Hilbert's independence theorem. p. 887.

Van Chzhao-lin [Wang Chao-ling]. - Inversion of Routh's theorem. p. 890.

Apykhtin, N.G. - Permanent axes of rotation of a rigid body with a fixed point in the case of the existence of Gorinchev integrals. p. 891.

Gurevich, M.I. - Vortex near a free surface. p. 899.

Dobrovol'skaia, Z.N. - Nonlinear formulation of certain self-modeling problems concerning the motion of an incompressible liquid with a free surface. p. 903.

Volisenia, V.S. - Vibration of a body above the interface of two liquids. p. 910.

Slepian, L.I. - Motion of a deformed body in an acoustic medium. p. 918.

Ostrovskii, L.A. - Theory of waves moving in nonstationary media. p. 924.

Sapunkov, IA.G. - Circular cone in a hypersonic gas flow at a certain angle of attack. p. 930.

Pospelov, L.A. - Nonlinear magnetoelastic waves. p. 939.

Novikov, E.A. - Variability of energy dissipation in a turbulent flow and the spectral distribution of energy. p. 944.

Krauklis, P.V., Molotkov, L.A. - Low-frequency vibrations of a plate lying on an elastic half-space p. 947.

IUrchenko, S.I. - Mixed problem concerning the vibrations of an infinite plate of unit width. p 951.

Salganik, R.L. - Brittle fracture of bodies pasted together. p. 957.

Pal'mov, V.A. - Stressed state near a rough surface of an elastic body. p. 963.

Aleksandrov, V.M. - Solution of certain contact problems in the theory of elasticity. p. 970.

REFERATIVNYI ZHURNAL MATEMATIKA [JOURNAL OF ABSTRACTS MATHEMATICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, matematika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Mathematics]. Moscow, no. 4(35), 1963.

Table of contents translated

Al'mukhamedov, M.I. - Inverse problem of the qualitative theory of differential equations. p. 3.
Baskakov, V.A. - Construction of linear positive operators for functions of two variables. p. 7
Bakhrakh, M.G. - Asymptotic stability of the solutions to certain differential equations with retarded arguments. p. 15.
Berman, D.L. - Best system of points of parabolic interpolation. p. 20
Vedernikov, V.I. - Metric characteristics of some classes of hypersurfaces. p. 26.
Vinokurov, V.R. - Stability of the solution of an infinite system of algebraic equations derived from the approximation of Volterra type linear integral equations. p. 33
Gribanov, Iu.I., Belobrov, P.K. - A class of Banach spaces of functions. p. 44
Dzhanybekov, Ch. - Solution of Chaplygin's equation for transonic flows with a local supersonic zone ending in a direct shock wave. p. 50.
Kvachko, M.E. - Extended function of a set. p. 61.
Kim, V.S. - Estimation of the deviation of solutions of iterative systems. p. 67.
Kornfel'd, I.P. - Sets of convergence and divergence of functional sequences. p. 79.
Lesokhin, M.M. - Correctness of systems with external multiplication having a regular first component. p. 80.
Makeev, G.N. - Focal pairs O. p. 92.
Medvedev, N.V. - Limit cycles. p. 99.
Mubarakzianov, G.M. - Classification of solvable Lie algebras of the sixth order with a single nonnilpotent basic element. p. 104.
Norden, A.P. - Spaces of a Cartesian composition. p. 117.
Ovseenko, Iu.G. - Motion of a viscous fluid between two rotating spheres. p. 129.
Perlatov, G.N. - Some problems affecting the uniformity and expansion of space in connection with Hilbert's axiom. Part 2. p. 140.
Salimov, R.B., Molokovich, Iu.M. - Inverse problem of changing profiles in hydroaeromechanics. p. 150.
Udalov, A.S. - Theory of curves and surfaces in affine and projective spaces. p. 158.
Chashchina, N.S. - Theory of universal Dirichlet series. p. 165.
Chekmarev, T.V. - Some partial cases of the solution of a certain system of partial differential equations. p. 168.

* USPEKHI MATEMATICHESKIKH NAUK [PROGRESS IN THE MATHEMATICAL SCIENCES]. Issued by Akademiia nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society]. Moscow, vol 18, no. 3(111) May-June 1963.

Table of contents translated:

Godunov, S.K., Riaben'kii, V.S. - Spectral indications of the stability of boundary value problems for non-self-adjoint difference equations. p. 3.
Vasil'eva, A.B. - Asymptotic behavior of some problems for ordinary nonlinear differential equations with a small parameter at the higher derivatives. p. 15.
Sirota, A.I., Solodovnikov, A.S. - Noncompact semisimple Lie groups. p. 87.
Valutse, I.I. - Universal algebras with regular but noncommutative congruences. p. 145.
Ventitsel', T.D. - An imbedding theorem. p. 149.
Volevich, L.R. - A linear programming problem arising in differential equations. p. 155.
Karanikolov, Kh. - A theorem of Minkowski and Chebotarev. p. 163.
Levin, A.Iu., Petunin, Iu.I. - Some problems connected with the concept of orthogonality in Banach space. p. 167.
Makarov, B.M. - Some pathological properties of the inductive limits of B-spaces. p. 171.
Merzliakov, Iu.I. - Existence of positive solutions to systems of linear equations. p. 179.
Pekelis, A.S. - Structural isomorphisms of locally nilpotent torsionless groups. p. 187.
Rubinshtein, A.I. - A-integrals and series in Walsh's system. p. 191.
Sakhnovich, L.A. - A semi-inverse problem. p. 199.
Fel'dman, N.I. - Measure of transcendency of the number e. p. 207.
Shain, B.M. - Transitive representations of semigroups. p. 215.
Shmul'ian, Iu.L. - Operators with absolutely continuous spectra. p. 223.
Shutov, E.G. - A semigroup of one-to-one transformations. p. 231.
Meetings of the Moscow Mathematical Society. p. 237.
Summaries of papers submitted to the Moscow Mathematical Society. p. 239.
Akhiezer, N.I., Myshkis, A.D. - Mathematics at Kharkov, 1959-1962. p. 245.
Morkovina, N.I. - Candidates' dissertations. p. 251.
Liantse, V.E., Sokolov, I.G. - All-city mathematical seminary at Lvov. p. 253.
Kislitsyn, S.S. - To the editors. p. 254.
Vulikh, B.Z. - Letter to the editor. p. 254.

I PHYSICS

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut iadernoi fiziki. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Nuclear Physics. Transactions]. Alma-Ata, vol. 6, 1963. Issledovaniia po fizike vysokikh energii i elementarnykh chastits [Research on high-energy physics and elementary particles].

Table of contents translated

Rus'kin, V.I. - Allowing for resonance interactions in the statistical theory of multiple particle formation. p. 3.
San'ko, L.A. - Study of the azimuthal angular distribution of particles in cosmic-ray showers. p. 64.
Kaipov, D.K., Pertsev, A.N. - Electric quadrupole transitions in nuclei. p. 71.
Kaipov, D.K., Pavlov, A.F. - Fast-slow scheme of coincidences with stabilization. p. 79.
Takibaev, Zh.S., Boos, E.G., Pavlova, N.P. - Distribution of transverse pulses of particles in nucleon interactions. p. 90.
Takibaev, Zh.S., and others. - Two-pronged stars formed in inelastic pp-interactions at 9 Bev. p. 94.
Amankulova, D.S., Lukin, Iu.T., Kharitonova, K.S. - Preparation of coordinate nets for studying nuclear emulsions. p. 101.
Pak, M.I., Lukin, Iu.T. - Spark counter for recording cosmic-ray particles. p. 105.
Ekaterinin, V.V., Kiselev, B.G. - Selective RC amplifier using a pentode with an extremely small plate current flow. p. 112.
Pivovarov, S.P., and others. - Comparison of circuits for paramagnetic resonance detection. p. 119.
Firsov, E.P., Pivovarov, S.P., Latyshev, G.D. - Simple magnetometer based on electron paramagnetic resonance. p. 124.
Turov, G.I. - Graphic method for evaluating stereoscopic cloud chamber photographs by means of a stereoscopic comparator. p. 129.
Kobzev, V.A., and others. - Analysis of high-energy helium isotopes emitted in the interaction of protons with photoemulsion nuclei. p. 133.
Boos, E.G., Grigor'eva, G.IA. - Criteria for particle selection in p-N interaction. p. 140.
Vinitskii, A.Kh., and others. - Inelastic π-N-interactions at 7.5 Bev. p. 144.

*AKADEMIIA NAUK SSSR, Izvestiia. Seriia fizicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Physical Series]. Moscow, vol. 27, no. 8, Aug. 1963. Materialy II Vsesoiuznoi konferentsii po fizike elektronnykh i atomnykh stolknovenii [Materials of the Second All-Union Conference on the Physics of Collisions between Electrons and Atoms].

Table of contents translated.

Sena, L.A. - Second All-Union Conference on the Physics of Collisions between Electrons and Atoms. p. 994.
Nikitin, E.E. - Probability of charge exchange during atomic collisions in the case of random resonance. p. 996.
Chkuaseli, D.V., Guldamashvili, A.I., Nikoleishvili, U.D. - Charge exchange between atoms and ions of alkaline and alkaline earth elements. p. 999.
Rydnik, V.I., IAvorskii, B.M. - Calculation of nonresonance charge exchange and ionization of atoms in collisions with slow ions. p. 1005.
Bukhteev, A.M., Bydin, Iu.F. - Loss of an electron by fast Ca, Mg, Si, and Fe atoms in collisions with N_2 and O_2 molecules. p. 1009.
Peterkop, R.K. - Asymptotic behavior of the wave function of a system of neutral and charged particles. p. 1012.
Belgman, I., Vainshtein, L. - Empirical formulae for the effective cross sections of excitation and ionization. p. 1018.
Vainshtein, L. - Introduction of the polarization potential into the radial equations of the theory of atomic collisions. p. 1022.
Kamenetskii, V.D., Murav'ev, V.T. - General method for the derivation of trial wave functions. p. 1027.
Murav'ev, V.T. - Computation of collisions of slow electrons with hydrogen atoms using the method of trial functions. p. 1030
Zapesochnyi, I.P., Shpenik, O.B. - New experimental methods for studying excitation in electron - atom collisions. p. 1033.
Zapesochnyi, I.P., Shimon, L.L. - Excitation functions of atoms of certain alkali metals. p. 1037.
Zapesochnyi, I.P., Fel'tsan, P.V. - Recent data on the excitation functions of inert gases. p. 1040.
Zapesochnyi, I.P., Sheveta, V.S. - Fine structure of the optical excitation functions of Zn, Cd, and Hg atoms. p. 1044
Kishko, S.M., Skubenich, V.V. - Studying carbon dioxide bands during electronic excitation. p. 1049
Volkova, L.M., Devlatov, A.M. - Determining the effective excitation cross sections of resonance lines of potassium atoms. p. 1052.
Bogdanova, I.P., Geltsi, I.I. - Measurability of optical excitation functions by means of modulated electron beams. p. 1056.
Liubimov, A.P., and others. - Method for measuring the effective ionization cross sections and ionization coefficients of metal atoms during an electronic impact. p. 1060.
Frish, S.E., Bochkova, O.P. - Determining the absolute values of the effective cross sections of collisions of the second kind for a mixture of sodium and mercury vapors. p. 1065.
Aleksandrov, E.B., Bonch-Bruevich, A.M., Khodovoi, V.A. - Spin exchange. p. 1070.
Nikolaev, V.S., and others. - Dependence of the mean charge of fast ions on the density of the medium. p. 1078.
Dmitriev, I.S. - Possibility of producing multiply charged ions in a cyclotron by proton impact. p. 1081
Akopian, M.E., Vilesov, F.I., Tironin, A.N. - Mass-spectrometric study of the photoionization of molecules and the decay of excited molecular ions. p. 1083
Vilesov, F.I., Kurbatov, B.L. - Energy spectra of electrons detached in molecular photoionization. p. 1088.
Dodonova, N.IA., Tironin, A.N. - Excitation of free radicals in the splitting of polyatomic molecules by photons in the vacuum ultraviolet region. p. 1094.
Gromova, I.I., IAkovleva, A.V. - Stepped excitation and ionization of nitrogen. p. 1097.
Kuprianov, S.E., Perov, A.A. - Dissociation of polyatomic ions in collisions with atoms and molecules of gases. p. 1102.
Generalov, N.A., Losev, S.A. - Probability of impact generation of vibrations of two-atomic molecules. p. 1110.
Rastrepin, A.B., Zolotoiubov, I.M., Bugai, Iu.P. - Mass-spectrometric study of the energy distribution of ions in a plasma. p. 1113.

*AKADEMIIA NAUK SSSR, Izvestiia. Seriia geofizicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geophysical Series]. Moscow, no. 9, Sep. 1963.

Table of contents translated.

Berzon, I.S., Ratnikova, L.I., Rats-Khizgila, M.I. - Study of transformed reflected waves in media with weak differential velocities. p. 1293.
Gal'perin, E.I., Frolova, A.V. - Study of seismic waves by combined vertical and horizontal profiling. p. 1307.
Meshbet, V.I., Muzyka, I.M. - Use of directed sources for detecting transformed $S_{12}P_{21}$ sliding diffracted head waves and $S_{12}P_1$ sliding diffracted waves. p. 1324.
Savarenskii, E.F., Fedorov, S.A., Gogichaishvili, B.V. - Determination of the true ground movement and its spectrum on a seismogram. p. 1340.
Egorov, K.N. - Methods of determining the absolute value of gravity from interference measurements of the path of free fall. p. 1348.
Lin'kov, E.M. - Long-period magnetron seismograph. p. 1357.
Bonchkovskii, V.F. - Special case of a connection between the rate of tilt and linear deformations and the distribution of atmospheric pressure. p. 1361.
Shaub, Iu.B. - Using induction airborne electric prospecting to determine the function of the distribution of the specific electric conductivity of a horizontally layered medium. p. 1369.
Khomeniuk, IU.V. - Integral characteristics of transient processes in electric prospecting. p. 1377.
Sladukhin, V.D. - Determination of the magnetic susceptibility of rocks and ores by measuring the intensity of the magnetic field in holes with artificial magnetization in order to detect and evaluate iron ore deposits. p. 1381.
Kuznetsov, V.P., Ragimov, Sh.S., Alieva, S.M. - Mashtiagi-Nardaran earthquakes of December 17, 1961. p. 1386.
Ragimov, Sh.S., and others - Caspian earthquake of September 18, 1961. p. 1389.
Kuznetsov, V.P., and others - Caspian earthquake of January 27, 1963. p. 1392.

Arkhangel'skaia, V.M. - Session of the Council on Seismology of the Academy of Sciences of the U.S.S.R. held in Frunze. p.1394.
Khaikechev, V.A., Gutman, L.N. - Movement of cold air masses along mountain ranges. p.1399.
Bellaev, V.I., Pavlova, I.S., Riabov, V.M. - Methodology of dispersing clouds over large areas. p.1410.
Kalnberg, E.R. - Solving the problem of the effect of hills on the steady movement of a cold layer of air. p.1417.
Smirnov, I.P. - Prognosis of a circulation index using moments of covariance for a barotropic model of the atmosphere. p.1123.
Zeitunian, Kh.N. - Nonlinear problem of cloud formation behind a barrier. p.1127
Golovin, A.M. - Spectrum of coagulating cloud drops. Pt.2. p.1436.
Skatskii, V.I. - Airborne device for measuring the water in drop-liquid clouds. p.1448.
Ershkovich, A.I. - Electrons with more than 1600 kev of energy in the earth's radiation belts. p.1457.
Kuznetsov, A.M., Kuznetsov, V.A. - Symmetrical shapes of bodies of natural abrasion. p.1462.

AKADEMIIA NAUK SSSR. Fizicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Physics. Transactions], Moscow, vol. 23, 1963. Issledovaniia po liuminestsentsii [Studies on luminescence].

Table of contents translated:
Georgobiani, A.N. - Electroluminescence of crystals. p.3.
Levshin, V.L., and others. - Cathodoluminescence of zinc sulfide and certain other cathodoluminophors. p.64.
Bibliographic index of papers by workers of the Luminescence Laboratory of the P.N. Lebedev Institute of the Academy of Sciences of the U.S.S.R. for the period 1934-1961. p.136.
List of abbreviations of periodicals cited. p.164
Author index. p.164.

AKADEMIIA NAVUK BSSR, Minsk. Vestsi. Seryia fizika-tekhnichnykh navuk [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Bulletin. Series in the Physical and Technological Sciences]. Minsk, no.3, 1963.

Table of contents translated
Ivanov, A.Y. - Heat conduction problem for multilayer media and the squared Green function. p.5.
Biomyko, V.P. - Finite groups with unattainable isoclinic subgroups. p.9.
Valeshkevich, I.N. - Some mixed problems for a biharmonic wave equation. p.14.
Smahina, V.I. - Exceptional cases of Riemann's boundary value problem for a complex contour. p.25.
Seucharka, A.N., Umreika, D.S. - Mirror symmetry and the nature of electron absorption spectra of uranyl compounds. p.37.
Kruhlik, M.S. - Derivation of equations of the probability method taking the identity principle into account. p.46.
Efafoeu, B.V., Zhaunerka, K.A. - Kinetics of the initiated liquid-phase oxidation of cyclohexanol. p.51.
Matseveeu, H.M., Matseveeu, M.A. - Thermodynamic analysis of solid-phase reactions in the system $SrCO_3 - SrO - SiO_2$. p.58.
Pasiuk, M.I. - Physicochemical characteristics of certain natural waters and salines of White Russia. p.63.
Haretik, Z.A. - Effect of tectonics on relief formation and the distribution of rivers in the region of the Mikashevich-Zhitkovichi shelf and some characteristics of its development. p.66.
Dziamlianava, E.A. - Use of surface-active substances in boring prospecting wells in White Russia. p.76.
Dromidovich, L.A. - Collector properties of terrigenous formations in the subsalt Devonian formation of the southern part of the Pripet Graben. p.80.
Halubisou, V.K., Keda, I.I. - Geological cross section of the Polotsk region. p.87.
Horau, K.V., Paulonka, Z.D. - Properties of alloys of the system Ni - Cr - Fe with additions of aluminum and titanium. p.94.
Kanavalau, IA.R., Hermanovich, I.M. - Effect of high-frequency vibrations on the penetration of lubricants and coolants into the cutting zone during the mechanical working of metals. p.98.
Liatsko, A.P. - Motion of raw peat in a screw press. p.101.
Vinakurau, F.P., TSiatserkin, A.E. - Resistance of peat soils to forcing in stamps. p.105.
Bulauko, A.R., Drozd, V.V. - Errors in determining the areas and some other characteristics of drainage basins. p.113.
Sladykh, IA.K. - Determining the boundary between the elastic and plastic zones in the sandy base of a rigid foundation. p.118.
Nepokolchitskii, A.H., IAnkovskii, A.A. - Combustion of a proportioned quantity of matter in spectrum analysis using the photoelectric method. p.124.

Marupov, R. - Characteristics of infrared spectra of simple and complex cellulose esters in the frequency region of ether bonds. p.128.
Nemenman, M.E., Margolin, M.S. - Number of transpositions in the minimal decomposition of a substitution. p.132

CHEKHOSLOVATSKII FIZICHESKII ZHURNAL. CZECHOSLOVAK JOURNAL OF PHYSICS, Issued by Chekhoslovatskaia akademiia nauk [Czechoslovak Academy of Sciences]. Prague, vol.13, nos.10-11, 1963.

*FIZIKA TVERDOGO TELA [SOLID STATE PHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.5, no.9, Sep, 1963.

Table of contents translated:
Tasks of science in the light of the decisions of the June Plenum of the Central Committee of the CPSU p.2393
Rotkin, A.B. - Microwave analogs of the Faraday, Cotton-Mouton, and Kerr effects in semiconductors p.2395
Turik, A.V. - Surface layer in barium titanate single crystals p.2402
Turik, A.V. - Statistical method of studying depolarization in ceramic ferroelectrics p.2406
Ivanov, G.A., Popov, A.M. - Electric properties of bismuth-antimony alloys p.2409
Zolian, T.S., Regel', A.R. - Electric conductivity and thermo-e.m.f. of Bi_2O_3 in the solid and liquid states p.2420
Kreingol'd, F.I. - Excitation spectra of the photoconduction of CdS and CdSe single crystals p.2426
Bersuker, I.B., Vekhter, B.G. - Microwave and paramagnetic resonance spectra of octahedral complexes of transition metals of the d^1 configuration taking inversion splitting into account. p.2432
Nakhodkin, N.G., Mel'nik, P.V. - Energy distribution of secondary electrons and photoelectrons generated by soft X rays p.2441
Ol'khov, O.A. - Quantum statistical theory of ferromagnetic resonance in the high temperature range. p.2448.
Chister, E.V. - Temperature dependence of the band intensity of hydrogen bonds in Raman spectra of gypsum and Rochelle salt crystals. p.2455.
Petrov, IU.I. - Anomalies of the thermal expansion and fusion of small aluminum crystals. p.2461
Men', A.N., Naish, V.E. - Determining the cation distribution in the interstices from term splitting in compound oxides. p.2477
Pustovoit, V.I. - Ultrasound propagation in semiconductors. p.2490.
Mileshkina, N.V., Sokol'skaia, I.L. - Electron energy distribution in field emission from germanium films on tungsten. p.2501.
Kurov, G.A. - Mechanism underlying the formation of epitaxial germanium films in the iodide process p.2509
Khanderek, IA.I. - Changes in electret polarity p.2517.
Reznikov, B.A. - Mechanism underlying the formation of an anomalous distribution of residual stresses following heat treatment of single crystals. p.2526.
Borisov, V.T., Vintaikin, E.Z., Potapov, L.P. - Characteristics of the thermal vibration spectrum. p.2530
Gomolunova, M.V. - Secondary electron emission from KBr films. p.2538
Agranovich, V.M., Konobeev, IU.V. - Theory of dielectric permeability of crystals. p.2541
Afanas'eva, E.A., Konorova, E.A. - Some characteristics of α-particle counting by type I diamonds p.2550.
Kanicheva, I.R., Barzdo, B.F. - Deceleration and inelastic reflection of electrons in free thin copper films. p.2561.
Parfiskii, V.B., Landau, A.I., Borzhkovskaia, V.M. - Spontaneous jumps of dislocations in LiF single crystals. p.2570.
Zyrianov, P.S. - Effect of phonon drag on the longitudinal thermo-e.m.f. in semiconductors and semimetals in a longitudinal magnetic field. p.2576.
Sandulova, A.V., Bogolavlenskii, P.S., Droniuk, M.I. - Production and some properties of whiskers and acicular single crystals of germanium, silicon and their solid solutions. p.2580.
Sandulova, A.V., Rybak, V.M. - Anisotropy of the microhardness of silicon. p.2587.
Kuvshinskii, E.V., Aero, E.L. - Continuity theory of asymmetric elasticity, allowing for "internal" rotation. p.2591.
Gubanov, A.I., Chevychelov, A.D. - Effect of intermolecular interaction on the strength of vitreous polymers. p.2595.
Tolpygo, K.B., Shoka, D.I. - Spin-orbital splitting of hole zones in alkali halide crystals. p.2609.
Gurevich, L.E., IAssievich, I.N. - Theory of the ferromagnetic Hall effect. p.2620.
Men Sian'-chzhen' [Mêng Hsien-cheng], Davydov, L.A. - Broadening of the resonance curve near the Curie point. p.2627.

Kozhushner, M.A., Provotorov, B.N. - Quantum statistical theory of the Overhauser effect in metals. p.2633.
Mirlasov, N.Z., Sorokina, S.A. - Perminvar effect in compound Ni - Zn - Cr ferrites. p.2641
Ivanov, A.O. - Electric conductivity of mixed alkali glasses of the system $Na_2O - K_2O - GeO_2$. p.2647.
Telesnin, R.V., Kolotov, O.S. - Some dynamic characteristics of thin permalloy films in the direction of the axis of slow magnetization. p.2653.
Garber, R.I., Stepina, E.I. - Strengthening of calcite following multiple twinning. p.2656.
Iskra, V.D. - Electroacoustic effect in n-Ge and n-Si. p.2663.
Gurevich, L.E., Ioffe, I.V. - Theory of current instability in semiconductors and semimetals. p.2674.
Sugakov, V.I. - Electromagnetic waves in a semi-infinite crystal near the exciton absorption region p.2682.
Blank, IU.S., IAtlinko, I.I. - Some results of a study on the luminescence of polarized ZnS-Cu,Cl films. p.2688.
Vishnevskii, I.I., Frenkel', A.S., Skripak, V.N. - Heat conductivity of chromic spinelide. p.2691.
Vinetskii, V.L., Konozenko, I.D., Shakhovtsova, S.I. - Analysis of the phenomenon of photocurrent pulse generation by cadmium selenide crystals. p.2698.
Bogdanov, S.V., Rassushin, V.A., Sinkha, D.K. - Relaxation properties of $BaTiO_3$ single crystals containing antimony. p.2703.
Khanaevarov, R.IU. - Impurity photoconductivity in germanium irradiated by fast electrons. p.2704
Starobinets, S.S. - Determining the resonance line width of spin waves. p.2707.
Tikhomirova, N.A., Fridkin, V.M. - Photoconductivity of sulfur single crystals at high hydrostatic pressures. p.2709.
Khabarov, E.N. - Comments on P.V. Gul'tiaev and A.V. Petrov's article "Heat capacity of certain semiconductors." p.2711.
Khutsishvili, G.R. - Diffusion and relaxation of proton spin in irradiated polyethylenes. p.2713.
Bonch-Bruevich, V.L. - Certain properties of semiconductors with narrow forbidden zones. p.2714.
Bonch-Bruevich, V.L., Sokolova, E.B. - A possible recombination mechanism. p.2717.
Dekhtiar, I.IA., Levina, D.A. - Δl_s-effect in plastic deformations of ferromagnetics. p.2719.
Pashinin, P.P., Prokhorov, A.M. - Spin-lattice relaxation of the Fe^{3+} ion in $K_3(Co, Fe)(CN)_6$. p.2722.
Nadgornyi, E.M. - Dislocation energy and etching pits in sodium chloride crystals. p.2723.
Golenishchev-Kutuzov, V.A., Kharakhash'ian, E.G. - Nonresonance paramagnetic sound absorption due to spin-lattice relaxation. p.2725
Blistanov, A.A., Panov, A.V., Shaskol'skaia, M.P. - Recovery of internal friction following plastic deformation in LiF single crystals. p.2726.
Veselovskii, P.F., Suchkov, IU.D. - Use of the resonance loop method in determining tan δ in dielectrics. p.2728.
Nilazova, O.R., Kaneev, M.A. - Distortions in cadmium sulfide crystals due to radiation. p.2731.

GOSUDARSTVENNOE IZDATEL'STVO LITERATURY V OBLASTI ATOMNOI NAUKI I TEKHNIKI Moscow
Nauchno-tekhnicheskii sbornik [STATE PUBLISHING HOUSE OF LITERATURE IN THE FIELD OF ATOMIC SCIENCE AND TECHNOLOGY. Technical Papers] No.4, 1962. Elektronno-fizicheskaia apparatura dlia iadernoi fiziki [Electronic and Physical Equipment for Nuclear Physics]

Table of contents translated
Foreword. p.3.
Kuznetsov, K.F., Bogoliubov, A.S., Kurochkin, S.S. - Transistorized logic elements for electronic apparatus. p.7.
Kuznetsov, K.F., Bogoliubov, A.S., Kurochkin, S.S. - Transistorized matching and shaping elements for electronic apparatus. p.16.
Belous, A.L., and others. - Characteristics of a set of transistorized elements of a magnetic memory unit. p.25.
Kuznetsov, K.F., and others. - Design and analysis of transistorized triggering circuits. p.44.
Kurochkin, S.S., and others. - New analyzer. p.61.
Rogushin, A.I., Kuznetsov, K.F., Kozyr', A.I. - Simple 50-channel pulse height analyzer. p.72.
Pakhomova, N.B., and others. - Apparatus for detecting coincidences of relativistic charged particles. p.89.
Barim, B.A., Chernov, P.S. - Fast coincidence circuits. p.99.
Golovanova, L.B., Khliustikov, N.M. - Decade scaler in a trochotron. p.109.
Samoilov, V.D., Sibilev, A.A. - Nanosecond-range double-pulse generator. p.117.

* KRISTALLOGRAFIIA [CRYSTALLOGRAPHY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.8, no.5, Sep.-Oct, 1963.

Table of contents translated
Gallarskii, E.I., Zamorzaev, A.M. - Groups of similarity symmetry and antisymmetry. p.691.

Lyubimov, V. N. - Spatial symmetry of electric and magnetic dipole structures p. 699.
Bagrjatskii, IU. A. - Analysis of Laue's interference function. p. 706.
Lainer, D. I., Petrusevich, R. L., Shil'shtein, S.Sh. - Theory of a two-crystal spectrometer. p. 711.
Zaychuk, R. A., Ellistratov, A. M. - Shape effect in X-ray scattering by single crystals of supersaturated solid solutions of (K, Na)Cl in process of decomposition. p. 715.
Fotchenkov, A. A., Zaitseva, M. P., Zhevlakova, L. I. - Electrostriction of triglycine sulfate. p. 721.
Kirmen, N. N. - Polarization of ferroelectrics by short electric pulses. p. 729.
Shilokov, A. M., Shuvalov, L. A. - Temperature dependence of internal friction in Rochelle salt crystals. p. 733.
Aleksandrov, K. S., Ryzhova, T. V., Belikov, B. P. - Elastic properties of pyroxenes. p. 738.
Liutsau, V. G., Rovinskii, B. M. - Dependence of the substructure on nonuniform concentration in alloys. p. 742.
Zazovskaia, L. A., Shivrin, O. N. - Optical relation between mosaic blocks measured by the X-ray diffraction method. p. 747.
Finkel', V. M., and others. - Kinetics of the propagation of cracks in bismuth single crystals. p. 752.
Banfini, G. R., and others. - Stepped surface relief of β-methyl naphthalene crystals growing from the melt. p. 758.
Bakova, G. D., Chernov, A. A. - Statistical description of the stepped surface relief of β-methyl naphthalene. p. 765.
Starodubtsev, S. V., Vakhidov, Sh., TSinober, L. I. - Sectorial distribution of luminescence centers in synthetic quartz. p. 770.
Shalimova, K. V., and others. - Effect of the conditions of producing thin cadmium sulfide films on their crystalline structure. p. 774.
Turovskii, B. M. - Determining the radial temperature gradients on the crystallization front of blocks grown by Czochralsky's method. p. 778.
Palistrant, A. F. - Symmetry and antisymmetry groups of layers. p. 783.
Konaplovich, IU. IA., Somenkov, V. A. - Use of gallium in determining the cross sections of coherent neutron scattering. p. 785.
Gladyshevskii, E. I., Kripiakevich, P. I., Frankevich, D. P. - Crystalline structure of rare earth metal compounds containing beryllium (RBe_{13}). p. 788.
Pikhomov, V. I. - Crystalline structure of the compound α-$C_{10}H_7BgI$. p. 789.
Filip'ev, V. S., Kuprianov, M. F., Fesenko, E. G. - Production and analysis of complex compounds of the type $A_2B^{III}B^{III}O_6$. p. 790.
Bazhenov, V. A., Kytmanov, A. V. - Symmetry of the piezoelectric properties of normal and compressed cellulose. p. 791.
Andrievskii, A. I., Mocharniuk, G. F. - Appearance of dislocations on the cleavage planes cuprous oxide. p. 793.
Ovsienko, D. E., Alfintsev, G. A. - Mechanism of the growth of salol crystals from the melt. p. 796.
Borsian, E. V., Smirnova, N. P. - Production of crystalline blocks of $BaTiO_3$ from the melt in an oxygen atmosphere. p. 799.
Dem'ianets, L. I., Garashina, L. S., Litvin, B. N. - Crystallization of wulfenite ($PbMoO_4$) under hydrothermal conditions. p. 800.
Sholygin, V. A. - Combined growth of Al_2O_3 and Cr_2O_3 under hydrothermal conditions. p. 803.
Velikova, N. A. - Growth of cobalt oxide single crystals by Verneuil's method. p. 804.
Reznikov, B. A. - Relaxation of residual stresses in the annealing of single crystals of alkali halide compounds. p. 808.
Kukol', V. V. - More precise definition of certain formulae and concepts in the theory underlying Fourier's analysis of the profile of X-ray interferences. p. 812.
Kukol', V. V. - Simplified method for determining the position of the maximum of the true profile of the broadened X-ray diffraction line of a crystal. p. 831.
Varikash, V. M. - Conference on the thermodynamic and kinetic aspects of phase transitions. p. 815.
Georgii Mikhailovich Popov, obituary. p. 816.

1. ATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Fizikas instituts. Raksti. Trudy Instituta fiziki Akademii nauk Latviiskoi SSR [ACADEMY OF SCIENCES OF THE LATVIAN S.S.R. Institute of Physics. Transactions]. Riga, vol. 13, 1963.

METEOROLOGIIA I GIDROLOGIIA [METEOROLOGY AND HYDROLOGY] Issued by Glavnoe upravlenie gidrometeorologicheskoi sluzhby pri Sovete Ministrov SSSR [Main Administration of the Hydrometeorological Service, Attached to the Council of Ministers of the U.S.S.R.] Moscow, no. 8, Aug 1963

Table of contents translated.
Berland, M. E., and others - Pollution of the atmosphere by industrial refuse under the anomalous conditions of stratification. p. 3.
Shakina, N. P. - Some problems of the theory of local winds. p. 11.
Voronkov, P. P. - Hydrochemical basis of the isolation of local runoff and the method for dissection of its hydrograph. p. 21.
Sosin, G. L. - Forecasting thunderstorms in Ciscaucasia. p. 29.
Filippova, A. A. - Correlational analysis of circulation indices. p. 32.
Tarasenko, D. A. - Determination of the level and character of tropopause. p. 36.
Glazacheva, L. I. - Influence of the Kegums Hydroelectric Power Station on the time of freezing and opening of the Western Dvina River. p. 38.
Monin, A. S. - Physical mechanism of the long-range weather changes. p. 43.
Zmieva, E. S. - Use of the synoptic-climatological method of the Main Geophysical Observatory for the forecasts of water conditions in the rivers. p. 46.
Dzhordzhio, V. A., Romanov, N. N. - Is the aerial sounding of the stratosphere needed? p. 53.
Bratsev, A. P. - Influence of the wind velocity on the amount of precipitation being measured. p. 54.
Klinov, F. IA. - "Electric measurements of aerophysical values" by L. G. Kachutin. p. 57.
Literature on meteorology and hydrology in 1962. p. 58.
Governmental rewards to the workers of the Hydrometeorological Service. p. 63.
At the Main Administration of the Hydrometeorological Service. p. 63.
Conferences, meetings, seminars. p. 63.
Training of the meteorologists at Saratov University. p. 64.
Calendar of the international activity of the World Meteorological Organization during the last half of 1963. p. 64.

No 9, Sep 1963.

Table of contents translated:
Petroslants, M. A., Chanysheva, S. G. - Some characteristics of the mountain-valley circulation. p. 3.
Parshin, V. N. - Calculation of soil moisture under snow cover. p. 11.
Abuziarov, Z. K. - Forecasting waves in the northern Atlantic. p. 18.
Sorochinskii, M. A. - Changes of jet streams in connection with the development of cyclones on February 13-17, 1962. p. 24.
Gandin, L. S. - Static control of aerological telegrams. p. 31.
Rokhmistrov, V. L. - Dependence of the minimum discharge from physicogeographical conditions of river basins. p. 34.
Grinberg, S. V. - Source of rivers in the northern slope of the Dzungarian Ala-Tau. p. 36.
Rogozin, A. A. - Experience in using electronic computers for the determination of the elements of waves by the stereophotogrammetric method. p. 42.
Chuchkalov, B. S. - Causes for the movement of the Medvezhiy Glacier. p. 46.
Pashinskii, A. Z. - "Voice of the sea." p. 48.
Lappo, S. S. - Charts of instrumental corrections for primary processing of the readings of deep-water thermometers. p. 49.
Plaskovskii, R. V. - Method for calculating reduction corrections of the deep-water thermometer readings. p. 50.
Zykov, I. D. - Use of deep-water anchors for erecting buoy stations in the ocean. p. 51.
Kreĉmer, V. - Works of Czech scientist Emanuel Purkynĕ. p. 53.
Antonov, V. S. - Remarks on the nomogram for the calculation of continuous precipitations. p. 54.
Margolin, L. M. - Study of the water condition of rivers in power surveying. p. 57.
Literature on meteorology and hydrology, 1962. p. 58.
At the main Administration of the Hydrometeorological Service. p. 62.
Conferences, meetings, seminars. p. 62.
At the administrations of the Hydrometeorological Service. p. 63.
Abroad. p. 64.
At the World Meteorological Organization. p. 64.
International cooperation. p. 64.

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT AEROKLIMATOLOGII. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF AEROCLIMATOLOGY. Transactions]. Moscow, no. 17, 1962. Voprosy morskoi klimatologii [Problems of marine climatology].

Table of contents translated:
Sachkova, A. I. - Determination of effective transparence coefficient in "standard" masses of the atmosphere. p. 3.
Shekhtman, A. N. - Thermal characteristics of winds in the Caspian Sea. p. 16.
Rudneva, O. M. - Determining the frequency and duration of days with meteorological phenomena from their number. p. 33.
Sachkova, A. I. - Ice conditions in the Aral Sea. p. 37.
Morozova, A. G. - Effect of poor visibility on navigation in the Baltic Sea. p. 44.
Kursanova, I. A., Savchenko, V. G. - Brief climatic characteristics of Komandorskiye Islands. p. 56.

MOSCOW. UNIVERSITET. Vestnik. Seriia 3. Fizika, astronomiia [UNIVERSITY Review. Series 3. Physics, Astronomy]. Vol 18, no 3, May-June 1963

Table of contents translated:
Korolev, F. A., Diakova, S. M., Gridnev, V. I. - Identification of radiations in the far infrared region using the method of residual rays. p. 3.
Vyshin, V. L. - Interpretation of the optical activity of tellurium. p. 6.
Gribkova, S. I., Shtemenko, L. S. - Estimate of terms of second-order approximation in testing abrupt temperature changes. p. 11.
Bazarov, I. P. - Theory of fusion. p. 18.
Trifonov, IU. M. - Synchronization of an ultrahigh-frequency oscillator operating toward a transmission line containing reflecting inhomogeneities. p. 26.
Kolesnikov, N. N., Grigor'ev, IU. P. - Theory of isotope shifts. p. 32.
Udalova, V. V., Potemkina, N. A. - Electron diffraction study of the textures of growth of indium vaporized on the cleavage of Rochelle salt under vacuum. p. 44.
Levshin, V. L., Orlov, B. M. - Study of the optical flare-up and quenching of crystal phosphors. p. 48.
Rylov, IU. A. - Normal coordinates and the general principle of relativity. p. 55.
Kozhevnikov, N. I. - Fluctuations of the refractive index of light waves in the bottom atmospheric layers. p. 66.
Pavlenko, IU. G. - Scattering amplitude in quasi-classical approximation. p. 70.
Gorodtsov, V. A. - A model of the quantum field theory with a fixed fermions. p. 75.
Alekseev, V. V. - Role of the impact parameter in multiple particle production. p. 81.
Dmitriev, V. G. - Theory of wave propagation in nonlinear dispersive lines. p. 85.

Vol. 18, no. 5, Sep.-Oct. 1963.

Table of contents translated
Guzhavin, V. V., Ivanenko, I. P. - Effect of the nature of a primary particle of an electron-photon cascade shower on the form of the angular and spatial distribution functions. p. 3.
Asfar, F., and others. - Measurement of the polarization of C^{12} p=6.0 Mev. protons scattered on aluminum. p. 8.
Shevchenko, V. G., Iur'ev, B. A. - Scintillation methods for studying (γ, P) reactions. p. 11.
Komarov, V. V., Popova, A. M. - Diagram summation method for determining nucleon-nucleon scattering amplitudes. p. 18.
Speranskaia, A. A., Khaldarov, I. Sh. - Polarography for determining the oxygen content in fresh-water lakes and rivers. p. 24.
Berezin, V. M. - Boundary value problem of forecasting atmospheric pressure fields, using the complete system of hydrodynamic equations. p. 28.
Beliaev, IU. N., Leonas, V. B. - Generation of intensive molecular beams. p. 31.
Voronov, A. IA. - Plasma stability figures as affected by surface tension. p. 43.
Chechernikov, V. I., Kashlinskii, A. I. - Temperature dependence of resonance absorption in nickel-zinc ferrites. p. 49.
TSitsin, F. A. - Definition of the "volume" concept for systems of a corpuscular nature. p. 54.
Lenskii, L. S., Shilokov, IU. M. - New types of relationship between local operators and the scattering matrix. p. 58.
Mednikov, O. I. - Wide-band parametric frequency dividers. p. 67.
Borisoglebskii, L. A. - bO-conversion on the outer atom shells. p. 74.
Kukin, V. D. - Quasi-optical method in the meson theory with a fixed source. p. 80.
Konenko, O. R. - Deionization of a steady-state plasma stream allowing for a drop in electron temperature. p. 90.
Sarangov, TS. S., Spasskii, B. I. - Role of models and analogy in the history of physics. p. 90.

*** OPTIKA I SPEKTROSKOPIIA [OPTICS AND SPECTROSCOPY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 15, no. 3, Sep, 1963.**

Table of contents translated:
Decisions of the June Plenum of the Central Committee of the CPSU. p. 289.
Volchinkin, S. I. - Minimization of the mean square error of the approximate wave function and the calculation of matrix elements. p. 291.
Krindach, N. I., Sobolev, N. N., Tunitskii, L. N. - Determining the electron transition moments of the Schumann-Runge bands for the oxygen molecule. Part 2. p. 298.
Tolkachev, V. A., Borisevich, N. A. - Mean energy of molecules of rarefied fluorescent vapors. p. 306.
Berezin, V. I. - Calculation and interpretation of the vibrational spectra of pyridine and deuteropyridines. Plane vibrations. p. 310.

Prokof'eva, N. I., Sverdlov, L. M. - Calculation of absolute intensities and depolarization in the Raman spectra of methane and its substitution of isotopes in the gaseous phase. p. 315

Gribova, Z. P., Tiulin, V. I., Tatevskii, V. M. - *Rotational* Raman spectra. Part 2: Vinyl acetylene C_4H_4. p. 320

Popov, E. M., Shilapochnikov, V. A. - Analysis of the vibrational spectra of polynitroalkanes p. 325.

Makushkov, L. I., Nikitin, V. N., Pushkina, A. V. - Vibrational spectra of chloroform and deuterochloroform in the liquid and crystalline states. p. 332.

Al'perovich, L. I. - Use of layers of uneven thickness in measuring the optical constants of liquids in the region of strong absorption. p. 338.

Klimova, L. A. - Absorption and emission spectroscopy of pyrene at 20° and 4°K. p. 344.

Ruzovich, Z. S. - Fluorescence and absorption spectra of azulene in frozen crystalline solutions. p. 357.

Gobov, G. V. - Spectroscopy of frozen crystalline solutions of biphenyl polyenes and polyphenyls. Part 2. p. 362.

Kukushkin, L. S. - Theory of nonradiative transitions in impure molecular crystals. p. 371.

Konobeev, Iu. V. - Effect of reabsorption on damping of the phosphorescence of molecules in a plane-parallel layer. p. 375.

Zazubovich, S. G., Lushchik, N. E., Lushchik, Ch. B. - Optical structure of luminescence centers in ionic crystals activated by mercurylike ions. p. 381.

Vorob'ov, Iu. V., Karkhanin, Iu. I. - Mechanism of the excitation of luminescence of cuprous oxide in the region of impurity absorption. p. 389.

Grigoruk, L. V., Melik-Gaikazian, I. A. - Impurity distribution and formation of color centers under the action of X rays in NaCl-Mn, NaCl-Cd, and NaCl-Pb. p. 394.

Fishman, I. S., Il'in, G. G. - Applicability of the linear absorption method to nonuniform light sources. p. 400.

Zhitkovich, V. F., and others. - Anomalous excitation of metals in the flames and vapors of certain organic compounds. p. 405.

Lebedeva, V. V., Lebedev, I. V. - Through-type optical amplifiers. p. 413.

Nagibina, I. M., Korolev, A. N. - Some characteristics of a Fabry-Perot etalon with a small transplant aperture. p. 421.

Sverdlov, L. M., Prokof'eva, N. I. - Calculation of the electro-optical parameters of ethane and methane. p. 424.

Gribov, L. A. - Calculation of the electro-optical parameters of ethane and methane; comments on the article by L. M. Sverdlov and N. I. Prokof'eva. p. 430.

Sverdlov, L. M., Prokof'eva, N. I. - Apropos of L. A. *Gribov's article.* p. 431.

Babushkin, F. A. - Identity of the computation methods for the isotopic displacement of spectral lines. p. 432.

Sivkov, A. A., Averianov, N. E. - Resonance optico-acoustic chamber. p. 434.

Basov, N. G., Markin, E. P., Nikitin, V. V. - Output power of a neon - helium laser as a function of various parameters. p. 436.

Kuteyna, L. M., and others. - Use of oxadiazole derivatives as scintillation activators in various solvents. p. 438.

REFERATIVNYI ZHURNAL: FIZIKA [JOURNAL OF ABSTRACTS: PHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 10, Oct. 1963.

TEPLOFIZIKA VYSOKIKH TEMPERATUR [THERMOPHYSICS OF HIGH TEMPERATURES]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 1, no. 1, July-Aug. 1963.

Table of contents translated:

Khrilin, V. A. - Research in the field of high-temperature thermophysics. p. 3.

Kraev, O. A., Stel'makh, A. A. - Heat conductivity of tungsten in the 1600°-2900°C temperature range. p. 8.

Neimark, B. E., and others. - Thermophysical properties of nickel-chromium-iron alloys. p. 12.

Khrustalev, B. A., Kolchenogov, I. P., Rakov, A. M. - Spectral radiation coefficients of tantalum, molybdenum, and niobium. p. 17.

Petrov, V. A., Chekhovskoi, V. IA., Sheindlin, A. E. - Experimental determination of the integral emissivity of metals and alloys at high temperatures. p. 24.

Komarek, A., Strigin, B. K. - Temperature dependence of the emissivity of stainless steel for different types of surface treatment. p. 30.

Polezhaev, Iu. V. - Use of experiments on unsteady mass transfer in determining the heat conductivity and other thermophysical properties of vitreous heatproof materials. p. 33.

Avarbe, R. G., Nikol'skii, S. S. - Conservation of constant proportions in binary alloys allowed to evaporate from an open surface into a vaccum. p. 39.

Solov'ev, A. N. - Dependence of the electric resistance of liquid metals on the specific volume p. 45.

Sychev, V. V., Andrianov, V. V. - Effect of gravity on measurements of heat capacity (c_V) near the critical point. p. 50.

Kulik, P. P., Panevin, I. G., Khvesiuk, V. I. - Theoretical calculation of the viscosity, thermal conductivity, and Prandtl number of ionized argon. p. 56

Rybakov, V. V. - Thermodynamic properties of water vapor at high temperatures p. 64.

Kudriavtsev, E. M., and others. - Determining the matrix element of the dipole moment of the electron transition in the violet band system of cyanogen. Part 1. p. 73

Petukhov, B. S., Popov, V. N. - Theoretical calculation of heat transfer and frictional resistance in the turbulent flow of an incompressible fluid of variable physical properties in pipes. p. 85.

Kirillov, P. L. - Limiting values of the heat transfer coefficient. p. 102.

Moiozkin, V. I., Amenitskii, A. N., Alad'ev, I. T. - Experimental study of the effect of acceleration on critical boiling in liquids at the saturation temperature. p. 107.

Miropol'skii, Z. L., Smeerova, R. I. - Use of bremsstrahlung in studying the phase composition of a steam-water mixture in a heated tube. p. 112.

Tuchin, N. M. - Effect of the conductivity of the wall on resistance to the motion of liquid metal along a round pipe in a magnetic field. p. 118.

Blokh, A. G. - Scattering of heat radiation in a polydisperse turbid medium. p. 121.

Mikk, I. R. - Use of generalized angular coefficients in calculating radiative heat transfer. p. 128.

Panasiuk, A. D., Samsonov, G. V. - Thermocouples with electrodes from high-melting carbides for measuring temperatures up to 3000°C. p. 136.

Liusternik, V. E. - Reproducibility of the graduation of a cyanoplatinite-platinum thermocouple within a wide temperature range. p. 141.

Rakitin, S. P., Fomenko, V. S., Paderno, V. N. - Some results of using carbides of transition metals for thermionic emitters of electronic devices. p. 145.

Gordov, A. N. - Methods of noncontact measurement of actual temperatures of heated bodies. p. 149.

Petrov, V. A. - Seminar on "Production methods, physical properties, and electronic structure of high-melting metals, their compounds and alloys." p. 156.

All-Union Conference on Heat Transfer and Hydraulic Resistance in a Two-phase Flow. p. 157.

Bibliography. p. 158.

PHOTOCOPY

* TSENTRAL'NAIA AEROLOGICHESKAIA OBSERVATORIIA. Trudy [CENTRAL AEROLOGICAL OBSERVATORY. Transactions]. Leningrad, no. 41, 1962. Aerosinopticheskie issledovaniia [Aerosynoptic studies].

Table of contents translated.

Gaigerov, S. S. - Winter warmings in the stratosphere of the central part of the Arctic. p. 3.

Gaigerov, S. S., Kolomiitseva, L. M., Britvina, R. A. - Processes in the troposphere in the central part of the Arctic. p. 12.

Koshel'kov, Iu. P. - Some examples of the thermal transformation of air in the lower troposphere of the Arctic. p. 38.

Gaigerov, S. S. - Some data on the local characteristics of tropospheric jet streams in the central part of the Arctic. p. 47.

TSilotovich, T. A. - Glacier wind in the Mirnyy region. p. 62.

Tarasenko, D. A. - Some problems of the structure of tropopause. p. 67.

Patsaeva, V. A. - Calculating the fluctuations of the horizontal velocity of the wind in the free atmosphere based on radiowind observations. p. 82.

Avdeev, A. I., Kalinin, V. N., Fridzon, M. V. - Protection of thermoreceivers from the thermal action of solar radiation when measuring temperature at great heights. p. 86.

Pakhomov, L. A. - Airplane apparatus for measuring the vector of wind. p. 91.

No. 45, 1962.

Table of contents translated:

Kastrov, V. G., Birukova, L. A. - Diurnal temperature variations in the lower and middle stratosphere. p. 3.

Britaev, A. S., Kuznetsov, A. P. - Atmospheric ozone and some meteorological processes. p. 22.

Britaev, A. S. - Measurements of the concentration of ozone in the troposphere and preliminary results of observation. p. 32.

Britaev, A. S., Steblova, R. S. - Effect of solar radiation on the ozonosphere based on observation materials of the solar eclipse of February 15, 1961. p. 38.

Birukova, L. A. - Distribution of energy in the solar spectrum and the absorption of radiation by ozone at heights of 15-50 km. p. 44.

Chalanova, E. A. - Measurements of the local functions of scattering in the free atmosphere p. 49.

Kostianoi, G. N. - Measurement of radial flux by a temperature gauge fastened in the center of a thin round plate. p. 61.

Kostianoi, G. N. - Radiation errors by temperature measurement in the free atmosphere using a thermal-resistance device of the MMT-1 and KMT-1 type. p. 73.

Belov, V. F. - Absorption of solar radiation in the free atmosphere over the Davis Sea and the Antarctic slope. p. 82

* ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI [JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 45, no. 3(9), Sep. 1963

Table of contents translated:

Kondorskii, E. I., Vasil'eva, R. P. - Degree of localization of magnetic electrons and the Nernst - Ettingshausen effect in ferromagnetic metals. p. 401.

Anashkina, E. S. - Angular distribution of photoneutrons from Bi^{209}. p. 404.

Abduzhamilov, Sh., and others. - Azimuthal angular distribution of shower particles produced by cosmic ray particles in a photographic emulsion p. 407.

Rode, V. E., Vediaev, A. V. - Intensity of magnetization of ferrite-garnet in a pulsed high magnetic field. p. 415.

Babainn, Kh. P., and others. - Energy spectrum of nuclear-active particles in extensive air showers. p. 418.

Gokhberg, B. M., and others. - Use of a tritium ion beam in determining the density of a deuterium plasma. p. 428.

Demidov, V. S., and others. - Effect of the nucleus on π^0-meson production. p. 437.

Kalpov, D. K., and others. - Resonance scattering of γ-rays from liquid and solid sources by Sn^{116} and Cu^{65} nuclei. p. 443.

Alekseevskii, N. E., Egorov, V. S. - Measuring the resistance of single crystals in a pulsed magnetic field p. 448.

Zhdanov, A. P., Fedotov, P. I. - Decay of residual nuclei produced in the interaction of 660 Mev protons with carbon nuclei. p. 455.

Shubnyi, Iu. K. - Lifetime of the 0.570 Mev. level in the Te^{122} nucleus. p. 460.

Zherebin, E. A., and others. - Studying γ-radiation from Cs^{130}. p. 464.

Anikina, M. Kh., and others. - Observation of $K_2^0 \rightarrow \pi^+ + \pi^- + \pi^0$ decays. p. 469.

Vasilevskii, I. M., and others. - Measurement of the spin correlation coefficient in elastic pp-scattering at 315 Mev. p. 474.

Nikolaev, V. I., and others. - Magnetostriction of the metamagnetic alloy MnAu$_2$. p. 480.

Berezniak, N. G., Bogolavlenskii, I. V., Esel'son, B. N. - Equilibrium diagram for the liquid - crystal system He^3 - He^4. p. 486.

Solov'ev, L. S., and others. - Ionization of gases by fast atoms and singly charged helium ions. p 490.

Aleksandrov, E. B., and others. - Modulation of scattered light by parametric resonance. p. 503.

Kondorskii, E. I. - Theory of the Nernst - Ettingshausen effect in ferromagnetic metals. p. 511.

Gandel'man, G. M., Ermachenko, V. M. - Dielectric constant of crystals from the standpoint of quantum theory. p. 522.

Balashov, V. V., Fotiev, V. N. - Theory of photodisintegration of light nuclei with emission of fast deuterons. p. 532.

Balashov, V. V. - An experimental possibility of studying the mechanism of the (t, d) reaction. p. 541.

Nguen Van Kh'eu. - Regge poles and the asymptotic behavior of the cross sections of certain processes of weak interaction. p. 544.

Pinaev, V. S. - Some processes of neutrino pair production in stars. p. 549.

Geshkenbein, B. V., Ioffe, B. L. - Restrictions on the coupling constants and vertex part of three particle interaction in quantum field theory. Part 2. p. 555.

Gerasimova, N. M. - Fluctuation of the number of particles in electron-photon showers generated by high-energy μ-mesons. p. 565.

Gurevich, L. E., Nedlin, G. M. - Thermo-e.m.f. in ferromagnetic metals due to scattering of electrons on magnons. p. 576.

Gantsevich, S. V., Gurevich, V. L. - Theory of giant oscillations in ultrasound absorption. p. 587.

Rekalo, M. P. - Polarization phenomena in the scattering of π-mesons on nucleons, and the fermion Regge poles. p. 595.

Azhgirei, L. S., Nurushev, S. B. - Real part of the amplitude of elastic proton-proton forward scattering. p. 599.

Smorodinskii, IA. A. - Theory of spiral amplitudes. p. 604.

Kaner, E. A., Skobov, V. G. - Theory of resonance generation of weakly damped electromagnetic waves in metals. p. 610.

Khalfin, L.A. - Hypothesis of Regge poles in quantum field theory and threshold characteristics of inelastic processes. p 631.
Kazarinov, IU M., Kiselev, V.S , Silin, I N. - Phase shift analysis of nucleon-nucleon scattering at 147 Mev. p. 637.
Askar'ian, G A. - Radio wave emission due to modulation of an intense light beam in a medium. p 643.
Galeev, A.A., Rudakov, L.I. - Nonlinear theory of the drift instability of an inhomogeneous plasma in a magnetic field. p. 647.
Martynov, G.A. - Determination of the correlative functions of dense gases and liquids. Part I: A system of rigid globules. p. 656.
Zul'karneev, R.IA., Silin, I.N. - Phase shift analysis of pp-scattering at 660 Mev., taking relativistic effects into account. p. 664.
Rekalo, M.P , Gorshkov, V.G., Frolov, G.V. - Photoproduction of π-mesons on nucleons, and fermion Regge poles. p. 672.
Kanavets, V.P , Levintov, I.I., Morozov, B.V. - Comparison of elastic np- and pp-scattering based on a model with three Regge poles p. 679.
Vainshtein, L.A. - Open resonators with spherical mirrors. p. 684.
Shkilarevskii, G M. - Capture of slow π^+-mesons by light nuclei in a correlation nuclear model. p 698.
Zastavenko, L., Podgoretskii, M. - Effect of external fields on angular correlations in consecutive electromagnetic transitions. p. 706.
Ogievetskii, V.I., Polubarinov, I.V. - Theory of a neutral vector field with spin 1 p. 709.
Lobov, G.A. - Radiative capture of μ^--mesons in hydrogen. p. 713.
Davydov, A.S.- Excitons in thin crystals. p. 723.
Rodak, M.I - Effect of magnetic resonance saturation on cross relaxation. p. 730.
Ochkur, V I. - Born-Oppenheimer's method in the atomic collision theory. p. 734.
Volkov, D.V. - Factorization of scattering amplitudes of particles with spins in a Regge pole. p. 742.
Abrikosov, A.A. - Absence of superconductivity in bismuth type metals. p. 746.
Gurzhi, R.N. - Effect of high-order anharmonicities on transfer processes in solids. p. 750.
Andreev, A. F. - Stability of laminar flow of thin liquid films. p. 755.
Patashinskii, A Z., Pokrovskii, V.L., Khalatnikov, I M. - Study of an S-matrix in a complex space of angular momenta in the quasi-classical case. p. 760.
Bulaevskii, L.N., Ginzburg, V.L. - Temperature dependence of the shape of the domain wall in ferromagnetics and ferroelectrics. p 772.
Podgoretskii, M.I. - Resonance reflection of γ-rays from the surface of a crystal. p. 780.
Grishin, V.G., Podgoretskii, M.I. - Some consequences of the long lifetime of η^- and Ω^--mesons. p. 783.
Do Di Seb. - Spread of the mean paths of charged particles in various substances. p. 787.
Prokhorov, L.V. - Analytic properties of the forward scattering amplitude in nonlocal theory p. 791.
Sannikov, S.S. - Depolarization of relativistic electrons in a magnetic field. p. 797.
Vaks, V.G., Larkin, A I. - Regge poles in the nonrelativistic problem assuming nonlocal and singular interactions. p. 800.
Askar'ian, G.A. - Decrease of the penetrating power of intense light due to scattering by refracting halos caused by the optical disturbance of the medium near inhomogeneities. p. 810.
Alikhanov, R.A. - Neutron diffraction study of solid oxygen. p. 812.
Kuprianov, S.E., Latypov, Z.Z. - Ionization of positive ions by electrons. p. 815.
Silin, V.P. - A possibility of plasma instability. p. 810.
Mikhailov, V.A., Roinishvili, V.N., Chikovani, G.E. - Spark chambers. p. 818.
Kagan, IU., Iosilevskii, IA. - Anomalous behavior of the heat capacity of crystals with heavy impurity atoms. p. 819.
Fabelinskii, I.L. - New method for determining the relaxation time of the anisotropy and modulation of light in Kerr's cell. p. 822.
Komar, A.P., Kruglov, S.P., Lopatin, I.V. - Comparison of absolute energy measurements in a beam of bremsstrahlung conducted in laboratories of various countries. p. 824.
Edel'man, V.S , Khaikin, M.S. - Standing magnetic plasma waves in bismuth related to hybrid resonance. p. 826.
Verogel', A.V., and others. - Measurement of the heat capacity C_V of oxygen near the critical point. p. 828.

14. MEDICINE

a. GENERAL

AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow. Otdel nauchnoi meditsinskoi informatsii. Informatsionnaia bibliografiia. Vnutrennie bolezni [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R. Department of Scientific Medical Information. Bibliography. Internal Diseases]. Moscow, nos. 3-4, 1963.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Izvestiia. Seriia meditsinskikh nauk [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Bulletin. Series in the Medical Sciences]. Alma-Ata, no. 1, 1963.

Table of contents translated:

Kornilova, R.D. - Effect of A.P. Polosukhin's antishock fluid on lymph circulation and venous pressure prior to and during shock. p. 3
Nil'dibaeva, Zh B. - Effect of the stimulation of the vascular receptors of the spleen by E.A Asratian and A.P. Polosukhin's antishock fluids on blood pressure and respiration. p. 7
Vasil'chenko, R.S , and others - Changes in the lymph circulation and some biochemical lymphatic ingredients in the stimulation of the intestinal chemoreceptors. Report No. 5. p. 12.
Koinova, M.I. - Interoceptive effects from the gallbladder on venous pressure. p. 15.
Seidakhanova, T.A. - Study of the toxicity of a glucoside isolated from the herbage of Ziziphora Bunge. Report No. 1 p. 20.
Chebekova, I.I. - Local anesthetic properties of stereoisomers of benzoic ester hydrochloride of 2-methyl-4-hydroxydecahydroquinoline. Report No. 3. p. 23.
Bernshtein, V.A - Concentration of glucose in different humoral media and glycogen in the liver and muscles of normal dogs. p. 28.
Efremushkin, G.G. - Effect of air ions on some aspects of the nervous activity in hypertension patients. p. 32.
Efremushkin, G.G. - Changes in the vascular reactivity in hypertension patients under the influence of a single treatment with positively charged ions. p. 37.
Trofimov, G.K., Esyrev, O.V. - Effect of air ions on the ciliate epithelium. p. 47.
Moskvevich, V.S. - Treatment of chronic tonsillitis and diseases of the mucous membrane of the nose, the larynx, and the pharynx by means of inhalations in the "Turksib" sanatorium. p. 53.
Sokolova, A.S. - Treatment of gynecological patients at the Alma-Arasan Health Resort. p 58 ,
Zel'tser, M.E. - Distribution of iodine -131 in the thyroid gland, blood plasma, and the salivary gland in experimental lead poisoning in rats. p. 66
Shapirova, S.A. - Functional state of the adrenal gland cortex in silicosis patients. p. 71.
Believ, B.A., Levanov, IU.M. - Fractional composition of serum proteins in the aggravation of chronic saturnism. p. 76.
Nesis, A I., Kul'kina, L A., Enns, F.G. - Electrocardiographic and roentgenological changes of the heart in silicosis and anthracosilicosis. p. 80.

No. 2, 1963.

Table of contents translated:

Vasil'chenko, R.S., and others. - Mechanism of changes in the lymph circulation induced by stimulation of the mechanoreceptors of organs of the gastrointestinal tract. p. 3.
Nil'dibaeva, Zh. B. - Method of study of the lymph circulation. p. 13.
Zhangozin, Sh. Zh. - Content of cholesterol in the blood serum of rabbits with a myocardiac infarct and the effect of Ziziphora preparations on the level of this sterol. p 17.
Palagutin, A.G. - Some data on the chemical study of Ziziphora bungeana. p. 27.
Kalpova, Z.N. - Metabolism in experimental silicosis. Report No. 1: Glutathione and ascorbic acid in experimental silicosis. p. 30.
Dvoirin, V.L., Zlabrev, IU.P., Nesis, A.I. - Preliminary results of treating silicosis and anthracosilicosis patients with corticosteroids. p. 36.
Tikhonov, N.N., Semenova, V.A. - Content of mediators in the blood in lead poisoning. Report No. 1: Adrenaline content in the dynamics of lead poisoning in an experiment. p. 42.
Aidanazarov, A.T., Aitbaev, T.Kh., Kutyrkina, N.A. - Changes in the protein composition of blood serum in lead poisoning in an experiment; preliminary report. p. 48.
Zel'tser, M.E. - Reaction of the thyroid gland in the initial stage of experimental lead poisoning. p. 54.
Iskakova, R.G. - Changes in the renal blood flow in chronic lead poisoning; an experimental study. p. 58.
Iskakova, R.G. - Change in the filtration and reabsorption function of the kidneys in saturnism; an experimental study. p. 62.
Trofimov, G.K. - Effect of aerosols of different polarity on the change in the complement titer. p. 68.
Trofimov, G.K. - Effect of aerosols of different polarity on the outcome and picture of anaphylactic shock in rabbits. p. 73.
Sharmanov, T.Sh., Kazaeva, F.K. - Picture of the peripheral blood in the healthy population of the southeastern zone of Kazakhstan. p. 78.
Tuturov, A.A. - Effect of dimedrol on the development of Burnet's allergic test. p. 81.
Omarova, Kh.Sh. - Treatment of patients suffering from chronic gastritis with the slightly mineralized water of the Turgen' Spring. p. 85.

DUSHANBE. GOSUDARSTVENNYI MEDITSINSKII INSTITUT. Trudy [STATE MEDICAL INSTITUTE. Transactions]. Vol. 42, 1959

Contents: Vail', V S. [Essays on the history of Russian pediatrics of the second half of the 19th century] Ocherki po istorii russkoi pediatrii vtoroi poloviny XIX veka. 118 p.
(DNLM)

Vol. 57, 1962 Voprosy patomorfologii endokrinnykh zhelez, sbornik rabot kafedry patologicheskoi anatomii [Problems in the pathomorphology of endocrine glands, collection of papers of the Department of Pathological Anatomy], no. 2

Table of contents translated

From the editor. p 3.
Monastyrskaia, B.I. - General pathomorphology of the hypophysis in autopsy material p. 5.
Savina, R.I. - Some data on the general pathomorphology of the adrenal glands. p. 22.
Smolicheva, E.P. - Pathomorphology of the adrenal glands in stillborn infants. p. 46
Kramod, B.A. - Changes in the pancreas in elderly persons. p. 79.
Napalkov, N.P - Some characteristics of thyroid tissue manifesting themselves in experimental blastomogenesis. p 100
Etingen, L.E. - Reaction of the vascular system of the ovary to the partial excision of the organ. p. 115.
Abdurakhmanov, F.A. - System of intraorganic blood supply in The Human epiphysis. p. 130.
(DNLM)

LENINGRAD. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT EKSPERTIZY TRUDOSPOSOBNOSTI I ORGANIZATSII TRUDA INVALIDOV. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF DISABILITY EVALUATION AND WORK ORGANIZATION FOR THE HANDICAPPED. Transactions]. No. 10, 1963.

Contents. Rokhlin, D.G. [Pulmonary segments in the X-ray picture, topographical and anatomical, clinical, and expert data] Legochnye segmenty v rentgenovskom izobrazhenii, topografo-anatomicheskie, klinicheskie i ekspertnye dannye. 126 p.

MEDITSINSKAIA PARAZITOLOGIIA I PARAZITARNYE BOLEZNI [MEDICAL PARASITOLOGY AND PARASITOGENIC DISEASES] Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.] Moscow, vol. 32, no. 1, Jan -Feb 1963.

Table of contents translated:

On V.N. Beklemishev. p. 3.
Khizhinskii, P G. - Activation, quantity and the duration of the active life of the tick Ixodes persulcatus in the forests of Krasnoyarsk Territory. p. 6.
Babenko, L.V , Rubina, M.A. - Simplification of the method used in forecasting the quantity of ticks of the genus Ixodes occurring in pastures and some data concerning their biology. p. 13.
Naumov, R.L., Levkovich, E.N., Rzhakhova, O.E. - Role of birds in the circulation of the virus of tick borne encephalitis (Krasnoyarsk Territory). p. 18.
Rositskii, B. - Comparative study of the horizontal and vertical structure of some natural foci of tick-borne encephalitis in Central and Southeastern Europe. p. 29.
Feoktistov, A.Z. - Circulation of the virus of tick-borne encephalitis in nature. p. 35.
Nikitina, N.A., Zhmaeva, Z.M. - Factors determining tick infestation of different types of hosts. p. 39.
Slonov, M N. - Biology of the mite Oryctolaelaps bibikovae Lange. p. 43.
Nel'zina, E.N., Danilova, G.M., Chernova, N.I. - Number and spatial distribution of the micropopulations of bloodsucking Arthropoda within the microbiotopes of the suslik Citellus pygmaeus. p. 45.
Merinov, V.A. - Investigating the occurrence of the pathogen of North Asian rickettsiosis in the tick Dermacentor nuttalli collected in one of the disease foci of Krasnoyarsk Territory. p 54.
Pospelova-Shtrom, M.V., Vasil'eva, I.S., Semashko, L.L. - A new species of argasid ticks (subfamily Argasinae, family Argasidae), + Argas beklemishevi n. sp. p. 61.
Timofeeva, L.V., and others. - Experimental use of antilarval measures in the control of black flies (Diptera, Simulidae) along the Angara River at the [illegible]

fshmukhametov, A. I. - Clinical and morphological characteristics of experimental strongyloidiasis in dogs. p. 108.
Native literature on problems of medical parasitology and parasitic diseases in 1962 p. 114.
Brief news. p. 124.
Rules for authors p 126
(DNLM)

*MEDITSINSKAIA RADIOLOGIIA [MEDICAL RADIOLOGY] Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.] Moscow, vol 7, no 12, Dec 1962.

Table of contents translated:

Volkova, M. A., Pel'man, S. G., Dar'inova, S. I. - Comparative distribution of colloid solutions of radioactive yttrium salts in animals during intra-abdominal administration. p. 3.
Linchevskaia, G. A., Krongauz, A. N. - Calculation of absorbed doses in radiotherapy with a colloid solution of radioactive gold. p. 7.
Luk'ianov, V. P. - Tables for the calculation of the integral absorbed dose in combined radiotherapy of malignant tumors of the cervix uteri. p. 13.
Agapova, Z. N. - Treatment of lumbosacral radiculitis by ingestion of radon water (general α-therapy). p. 17.
Umanskii, K. G., Shuster, M. A., Iudin, L. A. - Determination of the extent of a lesion of the facial nerve by the saliva radioindication method. p. 21.
Khazov, P. D. - Method and technique of roentgenography of the breast in malignant tumors. p. 25.
Todorov, Liuben Metodiev. - Clinical aspects and treatment of ulcers caused by X rays. p. 28.
Alferova, V. V., Kuznetsova, L. V. - Condition of the peripheral vessels in persons working on the cyclotron. p. 32.
Kovalenko, A. V. - Change of the motility of leucocytes during radiotherapy. p. 38.
Gladkova, G. S. - Some comparative data on two methods to study the taking of bone grafts by the use of radioactive indicators. p. 40.
Kozinets, G. I., Tsessarskaia, T. P. - Proliferation and maturation of bone marrow cells in acute radiation sickness. p. 43.
Shevchenko, V. I. - Characteristics of blood coagulation system disorders in chronic (occupational) X-ray exposure. p. 49.
Kalistratova, V. S. - Influence of the inflammation of subcutaneous cellular tissue and sensitization on the distribution of Sr-90 in the body. p. 56.
Morozova, N. G., Liass, F. M. - Radiometry of granules of activated yttrium. p. 59.
Vyrzhikovskaia, M. F., Kutinova, E. P. - New models of instruments for radioisotope treatment of cancer of the base of the tongue and the oral cavity. p. 61.
Gusarov, I. I., Llapidovskii, V. K. - Accelerated method to determine air pollution by daughter products of radon in medical institutions. p. 63.
Ilinsogolov, G. D. - Effect of prolonged repeated irradiation on the blood and bloodforming organs. p. 68.
Silenk, M. S. - "Radioactive iodine in the diagnosis and treatment of thyroid gland diseases" by P. I. Fgorov, A. Z. TSinsman. p. 78.
Zedgenidze, G. A., Plashov, IU. G. - "Radiation lesions, radiation cancer, and chemical radiation protection" by D. J. Mowissen. p. 79.
Lindenbraten, L. D., Kulikov, V. A. - "Technique of X-ray diagnosis" by Kh. Poppe, Ph. Lauwers, L. Lohstoeter. p. 80.
Ivanov, I. N. - Work of the Communism on Press Problems at the Board of the All-Union Scientific Society of Roentgenologists and Radiologists. p. 82.
Index of articles published in the periodical "Meditsinskaia Radiologiia" for 1962. p. 83.
(DNLM)

No. 1, 1963

Table of contents translated:

Petrov, V. A. - Dosimetric tables and calculation of the dose from filamentary sources of complex configuration. p. 7.
Krongauz, A. N., Pavlova, T. G., Frolova, A. V. - Dosimetric characteristics of gammatron-2. p. 12.
Pavlova, T. G. - Dosimetric characteristics of the GUT-Co-400 apparatus. p. 18.
Kantin, A. V., and others. - Preoperative irradiation in cancer of the breast by intralymphatic administration of colloidal radioactive gold. p. 24.
Rodnianskii, B. B. - Radiometric examination of the function of the thyroid gland in diseases of the liver and bile ducts. p. 32.
Slavnov, V. N., Slivachenko, T. P. - Determination of the functional state of the thyroid gland with the DSU-61 type diagnostic scintillation apparatus. p. 36.
Vorob'ev, E. I., Funshtein, L. V. - Some results of work on the problem of radiobiology in public health institutions in 1961. p. 38.
Ovakimov, V. G. - Effect of prolonged internal irradiation with radioactive zinc on the bioelectrical activity of the rabbit brain. p. 45.
Sheremet, Z. I., Kazanova, L. I. - Effect of vitamin B_{12} on the content of nucleic acids in the hematopoietic organs of irradiated animals p 46.
Kosmider, Stanislav, Rogalia, Edmund. - Quantitative changes in extracellular water in the course of radiation sickness. p. 51.
Kalashnikova, V. P. - Nicotinic acid metabolism in the irradiated organism. p 55.
Vissarionova, V. IA., Cheritkov, I. L. - Therapeutic effect of purified properdin in acute radiation sickness in mice. p. 62.
Korolev, G. K. - Changes in the cardiovascular system of dogs in radiation sickness caused by the action of uranium fission products. p. 64.
Grodzenskii, D. E., Zamychkina, K. S. - Use of the isotope method for the study of absorption from the digestive tract. p. 71
Zedgenidze, G. A., Kabatov, IU. F. - New radiological equipment in oncology. p. 77.
Timoshenko, M. T. - Colpostats from polyethylene for radiomanipulation in oncogynecology. p. 85.
(DNLM)

NOUKOGUDE EESTI TERVISHOID [HEALTH SERVICE OF SOVIET ESTONIA]. Organ of Eesti NSV Tervishoiu Ministeerium [Ministry of Health of the Estonian S.S.R.]. Tallinn, vol. 4, no. 5, Sep.-Oct. 1961; vol. 6, no. 4, July-Aug, 1963. [In Estonian]

PREDEL'NO-DOPUSTIMYE KONTSENTRATSII ATMOSFERNYKH ZAGRIAZNENII [MAXIMUM PERMISSIBLE CONCENTRATIONS OF ATMOSPHERIC POLLUTION]. Issued by Komissiia po predel'no dopustimym kontsentratsiiam atmosfernykh zagriaznenii [Commission on Maximum Permissible Concentrations of Atmospheric Pollution]. Moscow, no. 7, 1963.

Table of contents translated:

Preface. p. 3
Riazanov, V. A. - Results of studies conducted in 1961 on the maximum allowable concentrations of air contaminants. p. 5.
Ubaidullaev, R. - Pollution of air by furfurole and its hygienic importance. p. 11.
Li Shen [Li Sheng] - Experimental data on the hygienic importance of air pollution by styrene. p. 32.
Odoshashvili, D. G. - Hygienic importance of air pollution by dimethylformamide. p. 52.
IAkimchuk, P. P. - Materials for a basis for the maximum allowable concentration of nitrogen peroxide in the air. p. 66.
Mukhitov, B. - Hygienic importance and effect of small concentrations of phenol on the organism of humans and animals. p. 76.
Baikov, B. K., Shul'gin, V. I. - Apparatus for using automatic control in the continuous innoculation of animals. p. 99.
Alekseeva, M. V. - Methods of determining some organic air contaminants. p. 105.
Manita, M. D. - Spectrophotometric method of analysis in an ultraviolet spectrum field in determining some air contaminants. p. 117.

SUDEBNO MEDITSINSKAIA EKSPERTIZA [FORENSIC MEDICINE EXPERTISE]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 6, no. 3, July-Sep, 1963.

Table of contents translated

Lunts, D. R. -Existentialism in forensic psychiatry in Western Germany. p 3.
Gubin, N. M. - Diagnosis of sperm stains by the spectrographic method. p. 10.
Novikov, P. I. - Expert evaluation of the dynamics of ethyl alcohol distribution within the organism in a medicolegal postmortem examination. p. 13.
Karandiev, I. S. - Specificity of the spectrophotometric method of determining ethyl alcohol in the blood and urine of human corpses. p 18.
Semennikov, V. S. - Symptom of pelvic compression in children and juveniles in an automobile accident trauma. p. 22.
Zagradskaia, A. P. - Some possibilities of medicolegal expertise on evidence adhered to the surface of weapons for stabbing and cutting and weapons for stabbing. p. 24.
Smushk, IA. S., Fruentov, N. K. - Intravital and postmortem diagnosis of poisonings by anticholinesterase substances; survey of the literature. p. 20.
Prokop, O. - The Gm, Gc and Ag serum groups [translated from the German]. p 33.
Budiakov, O. S. - Determination of the Gm (a) serum property in blood stains and some organs and fluids of the human body. p. 38.
Lobanov, V. I. - Chemicolegal expertise in the German Democratic Republic. p. 42.
IAblochkin, V. D. - Special method of detecting and determining chromium in biological material. p. 45.
Migachev, G. B., Kliko, N. I. - Chemicolegal detection of para-toluidine and meta-dinitrobenzene. p. 49.
Kozlov, V. V. - Unusual transpositions of internal organs in automobile accident injuries. p 51
Koshkalada, V. G., Raukhvenger, A. B. - Mechanism of the formation of annular fractures of the bones at the skull base. p. 62
Kitaev, IU. M. - Nonfatal trauma caused by a high tension current. p. 53.
Nimestnikova, L. N., Edel', IU. P., Semenenko, L. A. - Desirability of a postmortem quantitative determination of alcohol in the contents and tissues of the stomach p. 55
Lukatskaia, S. D., Atakishiev, A. R. - Rare asymptomatic case of multiple renal calculi p 56.
Shul'kin, V. M. - Thrombosis of the left coronary artery of the heart developing in acute hemorrhages p 57
Morozovich, B. R. - Procedure of medicolegal attestation of persons without identifying documents p 57.
Levchenkov, B. D. - Review of A. K. Tumanov's book "Medicolegal examination of material evidence" p. 58
Ginberg, A. I., Bokarius, V. N. - Review of V. A. Baliakin's book "Toxicology and expertise of alcoholic intoxication." p. 59.
IU. M. Kuntskii p 61

SVEIKATOS APSAUGA [HEALTH SERVICE]. Issued by LTSR Sveikatos apsaugos ministerija [Ministry of Health of the Lithuanian S.S.R.]. Vilnius, vol. 8, no. 10(94), Oct. 1963. [In Lithuanian]
(DNLM)

VESELIBA [HEALTH]. Issued by Latvijas PSR Veselibas aizsardzibas ministrija [Ministry of Health of the Latvian S.S.R.]. Riga, no. 11(66), Nov. 1963. [In Latvian]

VESTNIK RENTGENOLOGII I RADIOLOGII [REVIEW OF ROENTGENOLOGY AND RADIOLOGY] Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.] Moscow, vol 38, no 1, Jan-Feb 1963

Table of contents translated:

Letter from the Board of the All-Union Society of Roentgenologists and Radiologists. p. 3
Kagan, E. M., and others - Changes in the esophagus in chronic mediastinitis. p. 5.
Lipko, A. A. - Functional and roentgenological anatomy of the esophagocardial region of the stomach in the light of new data on hernias of the esophageal hiatus. p. 11.
Petrov, V. I. - Roentgenological symptomatology of volvulus of the cecum. p 16.
Tager, I. L., Sneideris, M. B - Adaptability of the motor function of the small intestine following gastric resection. p. 20.
Tarnopol'skaia, P. D. - Roentgenological picture of intestinal motility in patients following extensive resection of the small intestine. p. 24.
Ivanova, E. M. - Methods of roentgenological examination of the small intestine with barium administration through a duodenal sound. p. 30.
Kuus, E. - Result of the use of tannin in the roentgenological examination of the gastric mucosa. p. 32.
Ashapova, M. A., Kariiskaia, G. K. - Diagnosis of dilatation of the esophageal veins in portal hypertension p 34
Matveeva, L. S., Gorbatenko, V. P. - Portal hypertension of hepatic origin combined with thrombosis in the portal vein system. p. 37
Pertsman, V. M. - Differential diagnosis of tumors of the urinary bladder. p. 40.
Gingol'd, A. I., Zhuravleva, T. V - Clinical roentgenological observations in extrophy of the urinary bladder in children p. 43
Firsov, E. F. - Diagnostic possibilities of pneumoperitoneum in the recognition of some diseases of the liver and gallbladder. p. 47.
Khrushchev, M. M. - Radiation therapy as a method widening the range of operability in rectal cancer. p. 52.
Thrombocytogram of X-ray room personnel. p. 55.
Nesis, A. I. - Some ways of reducing the harmful effects of roentgen irradiation and improvement of the quality of chest radiography. p. 57.
Staflievskii, M. S. - Scattering screen for radiographs on the operating table. p. 59.
Byshevskii, E. M. - Device for double contrast radiography in examinations of the cardial region of the stomach. p. 60.
Novikov, V. A. - Use of an FKF-1 fluorographic photographic camera for operation with nonperforated film. p. 60.
Savochenko, F. P - Lengthening the slit of mechanism in the F-55 fluorograph p. 61.
Rukhgendler, S. M. - Esophagobronchial fistulas p. 63.
Kareva, A. I. - Case of calcification of a benign gastric tumor. p. 66.
Recognition of shellac calculi of the stomach. p. 67
Sakk, T. S. - X-ray diagnosis of phytobezoars. p 68.
Metastatic melanoma in the stomach p. 68.
Kolerova, N. V. - Case of faulty anastomosis during gastric resection. p. 70

rogozkina, M.V. - A suppurative cyst of the mesentery proper with meteorism. p 71.
Case of anomalous developments of the large intestine in association with its interposition p. 72
Kashintsev, O.N. - Mucinous cancer of the large intestine with calcification p. 73.
Letetsanova, V.M., Nivinskaia, M.M. - Eighth International Cancer Research Congress. p. 75.
Nachenko, V.A - Review of M Kh Faizullin's book "X-ray diagnosis of diseases and lesions of the accessory sinuses of the nose." p. 80.
Torabel'nikov, I D., Shanov, B K. - Review of E. Bernard and B. Gamain's book "Clinical bronchography." p. 81.
Kozlova, A V. - Review of the book 'Radiology, radiation therapy, nuclear medicine, and cancer research." p. 83
Lipatov, V V. - Review of the book "Radiation biology and medicine " p. 84
Mikhail Arnovich Bykhovskii, an obituary. p 86.

VRACHEBNOE DELO [MEDICAL PRACTICE] Organ of Ministerstvo zdravookhraneniia USSR [Ministry of Health of the Ukrainian S.S.R.] Kiev, no. 7, July 1963.

Table of contents translated

Veshchenko, G.D., Glants, R.M., Gomelauov, V.D. - Interrelations between the thyroid gland and the adrenal cortex in patients with lesions in the central nervous system, on the problem of neurosomatic unity. p. 3.
Gkuns, R.I., Shlafman, I.I., Strizhevskaia, A.Z. - Rheumocarditis during the interparoxysmal period. p. 9.
Azizov, G.S., Tyulanova, E L. - Cardiovascular system in rheumatic patients treated with ACTH and steroid hormones. p. 12.
Ilkhova, N.M., Timofeeva, N.V. - Epileptiform syndrome in rheumatic fever. p. 17.
Abdeev, S.V. - Use of piridien in treating hypertension patients p. 21.
Malik, V.N., Drobachevskaia, A.A., Granovskaia, E.V. - Some types of therapy in chronic coronary insufficiency. p 26.
Voronov, B.M. - Result of treating stenocardia with a novocaine block p. 30.
Ilin, M.N. - Disorders in fat metabolism in patients with myocardiac infarct. p. 34.
Atsenko, IA.N - Disorders in pulmonary ventilation in patients with chronic bronchitis and heart defects. p. 38.
Anoko, N F. - Vectorcardiographic indicators in hypertension. p. 41.
Blinskii, B.A. - Determination of the propagation rate of the pulse wave in hypertension. p. 47.
Agutskii, B.V. - Some data on the cerebral electrophysiological activity in hypertension. p. 52.
Bachuk, V.K. - Changes in the ballistocardiogram and electrocardiogram in hypertension patients under the influence of biotron treatment. p 55.
Avrienko, A.F , Cherenkova, N.D. - Phonocardiography and electrocardiography in the diagnosis of defects of the interventricular septum. p 60.
Ermant, R.K., Russeva, N.V. - Activity of the heart in cerebral embolism. p. 64.
Khailovskii, V.S., Svirid, L.M. - Disorders of the cardiovascular function in a painful syndrome of the face. p. 67.
Kanetsov, I.D., Zablotskii, V.I. - Treatment of gonococcal urethritis in men p. 71.
Kativuk, I.N. - Use of dry plasma, BK-8, and hydrolysin L-103 in the compound treatment of pulmonary tuberculosis p. 75.
Kontovich, E N., Pankova, L.N. - Characteristics of physiological functions of daily periodicity in patients recovered from meningitis. p. 79.
Krik, E.P. - Electrophoretic spectrum of blood serum proteins in the process of malignant degeneration under the influence of sex hormones. p. 83.
Lisenko, A.P. - Cancer cells in circulating blood, survey of foreign literature. p. 86.
Lina, K.P. - Morphological changes in sexual and endocrine organs in tumors of the testicle. p. 92.
Lomova, R.P - Clinical aspect and treatment of glanus. p. 97.
Mardinov, Kh.K. - Clinical characteristics of the course of postinfluenzal pneumonia in relation to the accompanying microflora. p. 105.
Menko, S.S., Pochinok, V.IA., Pochinshiak, A.P. - Antibacterial properties of silver-treated water obtained by means of an ionizer. p. 109,
Miskii, E.S. - Biological role of bromine. p. 113.
Nanov, I.M. - Effect of fluorine and fluorine-containing aluminum oxide dust on the upper respiratory tracts. p. 119.
Orin, IU.N. - Dispensary treatment of patients at municipal medical centers. p. 123.
Plianov, O.F. - Measures for further improvement of medical service and health protection of the Krivoy Rog Basin population. p. 126.
Cheretianko, N.I. - Result of dispensary treatment of patients with recurrent pyodermatits. p 128
Chernin, V.V. - Content of unsaturated fatty acids in the blood during atherosclerosis. p 129.
Eseev, N.S , Rom-Bugoslvskaia, E.S - Polytopic bigeminy of a functional nature. p. 130.
Elkis, N.IA. - Aplastic anemia developing following the intake of syntomycin and levomycetin p. 131
Faitenbogen, V.L. - Effect of reserpine on increased arterial pressure caused by the use of cortisone. p 132.
Gerasimov, A.I., Gorovenko, L.I., Zhivatovskii, P.I - Complication of pneumoperitoneum circumscribed by subdiaphragmatic peritonitis. p. 132.
Gol'dshtein, V.D. - Development of pneumothorax as a result of therapeutic use of pneumoperitoneum. p. 133.
Binshtok, M.S., Goncharov, V.I. - Treatment of bronchial asthma in patients with pulmonary tuberculosis on the southern coast of the Crimea. p 135.
Detsik, IU I - Functional hyperbilirubinemia p. 138.
Mel'man, N.IA., Kaplun, V G. - So-called hepatocholecystic pancreatitis p. 140
Poltoratskii, I L - Functional state of the sympathicoadrenal system in goiter. p. 140.
Dymshits, I.IA - Choreal syndrome combined with polyneuritis in diabetes mellitus. p. 141.
Gordon, I.B. - Complete heart block in infectious nonspecific (rheumatoid) polyarthritis. p 143.
Vais, Kh.G. - Diencephalic lesion in toxoplasmosis. p 144.
Kurilina, T.S. - Complications developed as the result of internal and subcutaneous use of atropine preparations. p. 145.
Andreev, S Z. - Poisoning by bee venom due to numerous stings p 146.
Katsenelenbogen, IA.A. - Casuistics of systemic lupus erythematosus. p. 148.
Lopushanskii, V.I. - Use of vitamins B_1 and B_{12} on patients with atherosclerosis under polyclinical conditions. p. 149.
Kholodii, P.I. - Dermatitis in workers handling aminazine. p. 150.
Talakhovskii, M.L , Merzon, A.K. - "Manual of pharmacotherapy" by A.I Cherkes, V F. Mel'nikova. p. 151
Korovitskii, L.K. - "Scarlet fever as a streptococcal infection" by I.L. Bogdanov p. 152.
Gabovich, R.D - "Sanitary protection of air against the waste of enterprises of ferrous metallurgy" by D.N. Kaliuzhnyi. p. 152.
Starostenko, N.T. - "Diseases of the biliary tract" by A.IA. Gubergrits. p 153.
Sokolianskii, G.G. - Leonid Vasil'evich Blumenau, on the one-hundredth anniversary of his birth. p. 155.
Viktor Ivanovich Chernov, an obituary. p. 156.
Roti, A.V. - Legal consultation. p. 157.

No. 9, Sep. 1963.

Table of contents translated.

Shumada, I.V. - Present status and means of improving the training of subprofessional medical personnel in the Ukrainian SSR. p. 3.
Shekhter, I A., Rabukhina, N.A. - Identifying cancer of the head of the pancreas by means of duodenography. p. 9
Fil'ts, O.V. - Some pathological phenomena following gastric resection. p. 14.
Kaskevich, L M. - Twenty-four-hour fluctuations of trypepsin in ulcer patients. p. 18.
Protsenko, V.P. - Tissue protein metabolism and the functional capacity of the liver in patients with chronic myelosis p. 22.
Apletova, N.N - Use of splenin in the treatment of patients with chronic hepatitis and liver cirrhosis. p. 26.
Beliaev, M.IA. - Vitamin C metabolism in patients with bronchial asthma. p. 30.
Kulik, N.M. - Aerosol therapy for patients with pulmonary tuberculosis. p. 35.
Shamrai, E.F., Dudchik, G.Kh. - Disorders of nitrogen metabolism in children with pulmonary and lymphatic node tuberculosis. p. 40.
Povzhitkov, M.M. - Characteristics of disorders in the contractile capacity of the heart in experimental myocardiac infarction. p. 45.
Gumennaia, N.A. - Effect of Rauwolfia preparations on the coronary circulation in hypertension patients. p. 50.
Temirbulatov, Kh.A. - Results of intrapleural talcum introduction in cyanotic congenital heart defects. p. 54.
Panchenko, D.I , Panchenko, V.R. - Antihypertensive effect of compound medicinal preparations of diverse action. p. 57.
Gerasimenko, N.I. - Extrasecretory function of the pancreas in endemic goiter. p. 63.
Kovalev, M.M., Krasovskii, A.P. - Autoradiography and surgical treatment of patients with nodular endemic goiter. p. 67.
Gerasimenko, T.N. - Malignant exophthalmos p. 71.
Ochan, S.I., Ignatova, N.I., Shukhgalter, M.V. - Comparative data on the excretion of 17-ketosteroids in women with a presenile psychosis and a climacteric syndrome. p. 76.
Shul'ga, A.I. - Sensibility disorders in multiple sclerosis. p 80.
Kas'ianov, I.S., and others. - Clinicohematological and morphological changes in a combination of lesions treated with a rapidly congealing plastic mass p. 84.
Beliaev, G M. - Protein fractions of the blood serum and the state of the connective tissue of the skin in eczema patients receiving teleroentgentherapy. p. 88.
Laucevicius, L , Nekrasas, E., Motejunaite, E. - Effect of ethyl chloride blockade on the permeability of the histohematic barrier; according to data of a radioactive phosphorus study. p. 93
Vachnadze, I A., Goncharenko, E I., Dorzh, G. - Form, dimensions, and topography of the gallbladder in a vertical position of the body. p. 96.
Shcherbina, L.G. - Cytological picture of the contents of the gingival pockets before and after a compound treatment of parodentosis. p 99.
Pasechnik, P I., Silenchuk, N A. - Diagnosis of the transposition of the aortal arch to the right side. p. 103.
Chalkina, O.M., Skriabina, E.A., Rafal'son, D.I. - Results of obtaining active anti-influenza serum from vaccinated donors. p 107
Shuvalova, E.P., and others. - Clinical data on the effectiveness of the therapeutic use of antigrippin in children and adults. p. 111.
Dumanskii, IU D. - Moderately increased concentration of light ions in the air and their hygienic importance. p. 114.
Datsenko, I.I , Alycheva, I.S. - Effect of chronic carbon monoxide intoxication on the immunobiological reactivity in animals. p. 118.
Berezovskaia, A.M., Grabovskii, P.P. - Some problems of rural public health service in the Bulgarian People's Republic. p. 122.
Brzheskii, V.Ch. - History of surgery under the zemstvo administration in the Yekaterinoslav Government. p. 124.
Kotov, A.P. - Measures for the prevention of invalidism. p 127.
Spivak, A.M., Kuchei, O.M. - Friedländer's pneumonia. p. 129.
Erusalimskaia, S.M. - Method of counting thrombocytes. p. 132.
Lerner, I.P., Kreidich, A.M., Andrushchenko, E.V. - Blood eosinophilia in some diseases of the digestive organs. p. 133.
Ginzburg, R.M., Ofengenden, O.M. - Stenosis of the mitral isthmus. p. 136
Strizhova-Salova, N I. - Effect of novocaine therapy on some indicators of detoxication processes in elderly and senile people. p. 138.
Tumasheva, N.I. - Dynamics of blood cholesterol in psoriasis patients depending on the methods of treatment. p. 140.
Zil'berman, Z.I - Clinical testing of feneksol, an anticholesterinemic preparation. p. 141
Skliar, V.N., Plyogov, V.A. - Use of the thermoelectric method in the diagnosis of diseases of the urinary organs. p. 142.
Kucherova, L.L., Penek, N.V. - Changes in the blood sugar under the influence of ultrasonic waves. p. 144.
Kalinin, A.P., Balabolkin, M.I. - Troell-Junet syndrome. p. 145.
Gol'dshtein, R.I. - Treatment of schizophrenia patients persistently refusing food. p. 147.
Dyshevskii, A.Sh. - Fibrinolysis in white rats under the influence of nicotinic acid. p. 149.
Bukhardin, IU.V. - Lymphogranulomatosis with primary localization in the orbits. p. 150.
Iurchenko, V.M., Steshenko, I.A. - Fibromyxoma of the atrium sinistrum freely hanging in the left ventricle. p. 152.
Karpov, V.P. - Treatment of children suffering from cerebral spastic paralysis in an Odessa children's sanatorium. p. 153.
Skobelkii, I.L. - I.IA. Razdol'skii's symptom in a tumor of the optic thalamus. p. 154.
Sosnovskii, A.T., Orlova, Z.I., IAgovdik, N.Z. - Cobalt and nickel in radiation dermatitis. p. 155.
Gapanovich, V.IA. - Plastic surgery on the tympanic membrane by means of an autofibrin film in ambulant practice. p. 156.
Legal consultation. p. 158.

ZDRAVOOKHRANENIE [HEALTH SERVICE]. Organ of Ministerstvo zdravookhraneniia Moldavskoi SSR [Ministry of Health of the Moldavian S.S.R.]. Kishinev, vol. 6, no. 2, Mar.-Apr. 1963.

Table of contents translated.

Sedykin, K.G., Kant, V.I., Triapitsin, P.M. - Results of the efforts of a Communist working collective. p. 3.

719 - 838 O - 64 - 6

Testemiteanu, P A - Some problems in the organization of the raputic aid for the population in a rural area of the Moldavian S S R , from therapeutic service data of Soroki district p 5

Bochkarkaia, A A - Extrauterine pregnancy, according to 5-year data (1955-1960) of the maternity home of the city of Tiraspol' p 11

Derkach, V N - Influence of drug-induced anesthesia on the action of caffeine on the effectiveness of antibiotics in experimental bacterial intoxications p 14

Ardrigie, V I - Determination of penicillin and streptomycin allergy using an intradermal test p 17

Gorbenko, S M - Use of nitromycin with prednisolone and micromycin with lidase in some obstetrical and gynecological diseases p 22

Usenko, A I - Surgical treatment of acute cholecystitis in elderly and senile patients p 24

Furdui, F I - Neurogenic mechanism of the pathogenesis of hyperthyroidism p 27

Dobromyslova, O P - Role of acetylcholine in the induction of excitation in receptors. p 31

Savchuk, I IU. - Methods for preparing an intestinal transplant before its insertion into the urinary tract p 36

Zubkov, A A., Rud', G G - Interchangeability of cortical representation of the right and left eye during work requiring great stress of the visual analyzer p 38

Antushovskaia, M P - Colposcopy in the diagnosis of early stages of cancer of the cervix uteri p 42

Putilin, S A - Determination of the time for the beginning of surgery under ether anesthesia. p 44

Karyagin, IA M - Some characteristics and indications for controlled automatic respiration during anesthesia in general surgery p 45

Bal'ter, S.A., Zatvornitskii, F P. - Two cases of myeloma p 48

Marin, I.M., Ryngutskaia, I.I - A case of heart injury p 50.

Dascal, B L - Noble's operation in adhesive recurrent intestinal obstruction p 51.

Bronshtein, E L., Itkin, L E - Unstable complete atrioventricular block accompanied by frequent Adams-Stokes attacks p. 52.

Fungus disease of the upper canaliculus lacrimalis. p 55

Kaushanskii, M.Z., Fishov, L.M. - A case of spontaneous pneumothorax following a closed thoracic trauma p. 56.

Smolnikova, E V. - A case of dissecting the aneurysm of the aorta. p. 58.

Gontsov, I A - Tracheal bronchus in a patient with multiple abscesses of the right lung p. 59

Kozliuk, A.S - Unusual case of primary cancer of the trachea p 60

Answers to readers' questions p. 61.

Book review p 62.

ZDRAVOOKHRANENIE KAZAKHSTANA [HEALTH SERVICE OF KAZAKHSTAN] Issued by Ministerstvo zdravookhraneniia Kazakhskoi SSR [Ministry of Health of the Kazakh S.S R.] Alma-Ata, vol 23, no 2, 1963.

Table of contents translated:

Baimukhanov, S B - Some current problems of radiotherapy in malignant neoplasms. p. 3.

Briakin, M I., Deniagina, T.P. - Operations of choice in cancer of the thoracic section of the esophagus p. 8

Nugmanov, S.N , Fainshmidt, A B - Malignant tumors in persons of different age groups and sex p. 12

Aliev, M A , Mitrofanov, G.G., Togaibaev, A.A. - Some results of anesthesia in oncological surgery. p. 15.

Turganbaev, A - Experience in mass prophylactic examination of the esophagus with a large-frame fluorograph p. 18.

Zholkiver, K.I. - Centering and estimating the focal dose in static telegammatherapy of esophageal

Soklakova, V.S. - Evaluation of different methods of treatment of tuberculous meningitis in children and their effect on the nature of further complications. p. 53

Bolokhonova, G.A. - Distribution of rickets among children in institutions in Alma-Ata. p 55.

L'vova, N.V., Artemova, T V - Diagnosis of gastrointestinal diseases in infants according to consultation data. p 57.

Khlopov, N.A - Methods of improving the collateral blood circulation resections of arterial trunks and obliterating endarteritis p 61.

Seitov, N.S - Comparative evaluation of the gas composition of cadaver blood in different forms of mechanical asphyxia. p. 63.

Namitokov, A A. - Resistance of the eggs of the dwarf tapeworm. p 65.

Kalantaevskaia, A.A., Talbagarov, S.E., Val'kovskaia, L S - Change in the microflora of tonsils under the influence of conservative treatment. p. 67.

Cherevatyi, V S. - Effect of hexavalent chromium on microorganisms. p. 70.

TSaruk, P.A. - Prevention of complications and treatment of minor injuries in the Karabulak sugar factory. p. 72.

Solenov, N.I. - A case of brucellar etiology of meningitis. p. 73.

Uchitel', B.I. - Casuistics of foreign bodies in the abdominal cavity. p. 76.

Guzeev, V A. - Case of traumatic pneumocephalus. p. 76.

Chernobrov, P.N. - Sources of Kazakh popular medicine p. 77.

(DNLM)

ZDRAVOOKHRANENIE ROSSIISKOI FEDERATSII [HEALTH SERVICE OF THE RUSSIAN FEDERATION] Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.] Moscow, vol 7, no.8, Aug 1963.

Table of contents translated:

Chikin, S IA - June Plenum of the Central Committee of the CPSU and the role of medical workers in the implementation of its decisions. p. 3.

Parfent'ev, U.U. - Reorganization of public health service. p 6.

Vishnevskaia, I I. - Organization of a public health administration in a consolidated rural district. p. 8

Leskova, L.P. - Reorganization of the public health administration in a consolidated rural district. p. 11.

Vasil'ev, L G. - Organizing the management of rural public health service under new conditions. p. 12.

Kucherlavyi, N., Sergeeva, L. - Public health administration in a consolidated rural district. p. 14.

Etter, A.B. - Unified system of public health service in a consolidated rural district. p. 17.

Bobokhodzhaev, I.IA - Evaluation of the organizational expediency of medical care for the urban population by means of medical centers located directly in the residential sections. p. 17.

Nazarkin, N IA - Results of the work of the district hospital in organizing obstetric aid in a village. p. 21.

Drobnis, B. - Mass hygienic instruction of rural population. p 24

Matovskii, I.M , and others. - Results of the organization of a center for occupational diseases in Chelyabinsk. p. 26.

Vetichko, K.S. - Results of the prophylactic work of a medicosanitary section. p 28.

Geinova, L.A., and others. - Prophylaxis for angina incidence at industrial enterprises in Cholyabinsk. p. 30

Pokrovskaia, A N. - Some forms of dispensary care p. 33

Flaiko, V.A. - Continuity in the work of a first aid station and district physicians. p 35.

Kurochkin, V.S. - Results of organizing the reception of patients in a polyclinic. p. 39.

Sedov, K.R., TSepilevich, B.M. - Work of the therapeutic department of a provincial clinical hospital. p. 40.

Kurakova, V.A , Kulakova, T.V. - Board of the Ministry of Public Health Service in the R.S.F.S.R p. 45.

Verkhovskii, IU N. - Seventh Congress of the Medical Workers of Yaroslavl Province. p. 47.

Vol. 7, no. 9, Sep. 1963.

Table of contents translated:

Sixtieth anniversary of the Second Congress of the Russian Social Democratic Workers' Party. p. 3.

Bobokhodzhaev, I.IA., Burmistrova, N.F., Rzhevskaia, A.IA. - Economic evaluation of the care of patients by the "hospital in the home" method. p. 6.

Eleinik, V.L., Kabanovskii, A.N. - Experience in organizing "a hospital in the home" at a rural district hospital. p. 12.

Kotenko, V.V. - Result of organizing children's "hospitals in the home." p. 14.

Ploshkova, S.A., and others. - Care of patients suffering from diseases with a protracted course p. 16.

Epshtein, S.M. - Organization of "a hospital in the home." p. 19

Kitsenko, V.P - Some problems of organizing the work of a neuropathologist in a polyclinic p. 20

Golovchiner, I.E. - Invalids with cardiovascular diseases. p. 23.

Mladlin, IA S. - Some problems of the organization of obstetrical aid for the rural population. p. 26

Baikman, E M. - New stage in the improvement of the qualifications of leading personnel of the public health service. p. 29.

Zlobina, T.I., Balandina, M.IA. - Results of work performed in a hospital for patients with acute colds. p. 31.

Bystrova, V.A., Rusakova, V P. - Degree of accuracy in medical registration of the causes of death p. 33.

Ivakina, V.N. - Fundamental indicators of the work of medical personnel in public health agencies and institutions of the R.S.F.S.R. at the beginning of 1963 (continuation). p. 37.

Petrov, B.D. - Review of A Nikanorkin's book "People of accomplishment." p. 41.

Khamitova, A.M., Bednyi, M.S., Madiev, N. - On the occasion of a "methodological letter." p. 43

Matovskii, I.M - First conference of the medical workers of Chelyabinsk, leaders of the movement for communist work. p. 45.

Golt, A.L - Board of the Ministry of Public Health of the R.S.F.S.R. has discussed the work of industrial sanitary supervision by the Kuybyshev District Sanitary and Epidemiological Station in Moscow. p. 46.

ZHURNAL EKSPERIMENTAL'NOI I KLINICHI'SKOI MEDITSINY [JOURNAL OF EXPERIMENTAL AND CLINICAL MEDICINE]. Issued by Akademiia nauk Armianskoi SSR [Academy of Sciences of the Armenian S.S.R.]. Erivan, vol.3, no. 1, 1963.

Table of contents translated:

Sharimanian, S.S. - Hemangiomas of the spine. p. 1

Zograbian, S.G. - Late results of brain traumas p. 11.

Mikaelian, A.L , Semenova, L.A. - Anatomical forms of stenosis of the aortic orifice. p. 19.

Arzumanian, G.A., Papazian, Sh.A. - Comparative data on cytological and histological studies of tumors and tumorlike formations of the lymphatic nodes. p. 25.

Babaian, E.B. - Volume of erythrocytes in endarteritis obliterans. p. 37.

Matikian, E.S. - Role of the cerebral cortex in the compensation of respiratory disorders due to pulmonary lesions. p. 45.

Kazarian, G.A. - Diagnosis of atypical forms of thyrotoxicosis by means of radioactive iodine. p. 57.

Kazarian, G.E. - Surgical treatment of thyrotoxic goiter according to clinical material. p. 65.

Muradian, G.T., Nadirova, N.T. - Treatment of the diseases of peripheral nerves by painful stimulation of short duration. p. 73.

Kostanian, A.O. - Effect of hearing on the rate of the motor reaction in man. p. 79.

Ognuesian, S.Z. - Some data on the distribution of pilonidal sinuses and their treatment. p. 87.

Mkrtchian, S.A. - Epizootic plague foci in Armenia. p. 93.

Ovasapian, O.V., Galoian, V.O. - Diagnosis, epidemiology and natural foci of erysipeloid infection. p. 99.

Danielian, E.E., Strel'nikova, V.G. - Cases of mycosis caused by the fungi Microsporum gypseum and Microsporum lanosum in Erivan. p. 105.

Bagaturova, L.N. - Early sexual maturation in children. p. 109.

(DNLM)

Vol. 3, no. 2, 1963.

Table of contents translated:

Nazarian, M.B. - Morphological and physiological examination of some cellular groups of the hypothalamo-hypophysial system following extirpation of the cerebral hemispheres. p. 3.

Saakian, S.A. - Effect of aminazine on conditioned reflex activity in dogs. p. 11.

Oganesiants, M.A. - Secretory salivation and oral conditioned motor reflexes in male cats. p. 17.

Mikaelian, A.L., Somerdzhian, V.V. - Hypoxic bradycardia of the heart in artificial blood circulation; an experimental and clinical examination. p. 25.

Bazilian, R.A. - Effect of experimental ligation of the main arteries of the stomach on its motor and secretory functions. p. 33.

Karapetian, G.G. - Effect of revaccination and specific as well as nonspecific sensitization on the course of experimental tuberculosis. p. 41.

Megrabian, A.A., Davtian, S.A. - Clinical aspect of psychoses due to intoxication and infection. p. 51.

Chizmedzhian, T A. - Changes in the nervous system in somatic forms of rheumatic fever. p.59.
Natradze, D.A., Ovrutskii, L.S., Shafei, E.S Method of "immobile" angiopulmography. p.65.
Novik, M.G., Fedorov, L.N., Sherdukalova, L F. - Immediate method of determining the tension of oxygen and carbon dioxide in arterial blood. p.71
Nersisian, V.M. - Hemolytic disease of newborn infants in connection with the incompatibility of the maternal and fetal blood according to the ABO system. p.77.
Gizhlarian, M.S. - Determination of the monovinylacetylene threshold concentrations exerting irritating action on animals and man. p.81
Minasian, A.O. - Some anomalies in extrahepatic bile ducts p.89.
Stepanian, A.V. - Changes in the quantity of calcium in blood serum during hemorrhages, thromboses and embolias of cerebral blood vessels. p.97. (DNLM)

* ZHURNAL MIKROBIOLOGII, EPIDEMIOLOGII I IMMUNOBIOLOGII [JOURNAL OF MICROBIOLOGY, EPIDEMIOLOGY, AND IMMUNOBIOLOGY] Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.] Moscow, vol 40, no 1, 1963.

Table of contents translated:

Toward new achievements in the coming year. p.3.
Timakov, V.D., and others. - Antigenic properties of deoxyribonucleic acid in salmonella typhimurium No 70. p.5.
Gol'dfarb, D.M. - Deoxyribonucleic acids in bacteriophages. p.14.
Messinova, O.V., IUsupova, D.V., Shamsutdinov, N.S. - Deoxyribonuclease activity in Cornebacterium and its relation to toxigenicity p.20.
Svetova, I.M. - Problem of the synthesis of paraaminobenzoic acid by Mycobacterium tuberculosis and Staphylococcus albus. p.25
Anan'in, V.V., Kiktenko, V.S. - Materials on the classification of pathogenic Leptospira in the U.S S.R. p.28.
Stanislavskii, E.S., Zhvanetskaia, M.I. - Antigenic properties of the cellular structures of Escherichia coli. p.32.
Pers, I.F. - Antigenic connections in Shigella and Salmonella. Part 3. Use of sound-treated antigens for a study of the genetic connections in the family of intestinal bacteria p.39.
Stepanchenok-Rudnik, G.I., Shipitsina, G.K., Rodionova, I.V. - Comparative examination of the chemical structure of Mycobacteria tuberculosis with various virulence. p.44.
Lipkin, M.E. - Serological variants of the dysentery bacillus Shigella boydii 103. p.46.
Balaeva, N.M , Korn, M.IA., Kul'berg, A.IA. - Detection of antibodies to Rickettsia prowazekii by the luminescent-serological method. p.52.
Kuznetsova, V.N., Ostrovskaia, Z.S. - Detection of pathogenic bacteria of the intestinal group by a mixture of indicator phages. p.57.
Ivanova, S.P., Bochorishvili, V.G. - Rapid diagnosis of typhoid-paratyphoid diseases. p.61.
Zuev, A.S. - Preparation of monoreceptor phase II H serums for the identification of Salmonella. p.66.
Zemskov, E.M. - Determination of the activity of toxins of Clostridium perfringens and cloedematiens in tissue cultures. p.69.
Korobkova, E.I., Liskina, I.V. - Use of methylene blue reduction for the determination of in vitro virulence of the pathogen of plague. p.73.
Landik, G.T., IAnchenko, M.K. - Detection of the source of brucellosis infection by laboratory examination of milk. p.79.
Shovitagin, V.IA. - Method of anaphylactic reaction with desensitization in vitro. p.84.
Skvortsova, E.K., Likhacheva, N.P. - Electron microscope study of morphological changes in Escherichia coli and Bacillus anthracoides following the action of some phenol preparations. p.88.
Melikova, E.N., Vasil'eva, I.G. - Evaluation of the virulence and immunogenicity of Salmonella and Shigella vaccine strains by determination of the median dose (50%). p.92.
Buchin, P.I. - New elective chinozol medium for the detection of diphtheria bacteria. p.98.
Aleksandrov, N.I., and others. - Improvement of the culture medium and search for a method of purifying the protective anthrax antigen. p.103.
Sadykova, V.B. - Indications of diphtheria bacilli in a mixed culture by cystine-tellurite-serum media. p.107.
Mazurin, N.D., Razina-Itskina, TS.S. - Phage titer rise reaction in the diagnosis of dysentery. p.113.
Klimov, K.V. - Examination of the blood serum in bacillary dysentery by the electrophoresis-precipitation method. p.116.
Fikhman, B.A., Braude, N.I. - Numerical turbidity equivalent for suspensions of brucellosis bacteria. p.120.
Mikhailova, R.S., Filimonova, IU.A., Manokhina, K.T. - Relations of the plague microbe to lactose. p.123.
Vygodchikov, G.V., and others. - Experimental study on polyvalent anaerobic toxioda Part 4. Study of the immunological effectiveness of octatoxoid in late revaccination. p.127
Dzhikidze, E K., Aksenova, A.S. - Protective vaccination in monkeys against gas gangrene caused by Clostridium perfringens under conditions of chronic irradiation. p.132.
Golikov, A V. - Experimental actinomycosis in 1- and 2-day-old rabbits. p.137.
Budylina, V.V , Sosina, Z.I. - Electrophoretic study of antitoxic Diaferm 3 serums additionally treated with aluminum hydroxide. p.141.
Gamleshko, Kh.P. - Data on the study of intestinal microflora in dysentery in infants. Report No 1 Aerobic microflora of the intestines in children not contracting dysentery. p.147.
Sotov'ev, S.V. - Scientific activity of N.M. Bereatnev; on the 50th anniversary of his death. p.153.
Nina Aleksandrovna Nemshilova, on the first anniversary of her death. p.156.

b. GYNECOLOGY, OBSTETRICS & PEDIATRICS

AKUSHERSTVO I GINEKOLOGIIA [OBSTETRICS AND GYNECOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, no. 2, 1963.

Table of contents translated:

Bodiazhina, V.I. - Mechanism of the action of injurious factors on the fetus. p.3.
Barkataia, A.I. - Transplacental toxic influence of antibiotics of the tetracycline group on the fetus of warm-blooded animals. p.8.
Brusilovskii, A.I. - Current data on the histochemistry of the human chorion; review of literature. p.11.
Stal'nenko, E.S., Gutman, L.B. - Simple method of phonocardiography of intra-uterine fetus. p.15.
Gokinaeva, L.I. - On the effect of vitamin D_2 on the human sexual function. p.18.
Zhendrinskii, I.P. - Course of pregnancy in Botkin's disease. p.20.
Aleksandrova, A.M. - New data on the methodology of peridural anesthesia in gynecological surgery. p.26.
TSirul'nik, S.I., Gologorskii, V.A. - Analgesia anesthesia with nitrous oxide in surgical gynecology. p.31.
Starostina, T.A. - Gynecological operations in elderly and senile women. p.38.
Kal'nitskii, M.G. - Intratracheal nitrous oxide anesthesia in surgical gynecology. p.44.
Kazantsev, F.N. - Use of noradrenaline in massive internal hemorrhages. p.47.
Shilko, N.A. - Causes of hypofibrinogenemia and afibrinogenemia during labor and in the early postpartal period. p.52.
Vikhliaeva, E.M., Zmanovskii, IU.F. - Characteristics of the effect of sex steroid hormones on systemic motor conditioned reflexes in patients with climacteric syndrome. p.59.
Raskin, A.M. - Use of reserpine and aminazine for the treatment of some forms of climacteric neuroses. p.65.
Balák, K., Šobová, A. - Use of balneotherapy in climacteric angioneurosis. p.69.
Arsen'eva, M.G. - Effect of androgens on the cytological picture of vaginal smears. p.72.
Zheleznov, B.I. - Fluorescence-morphological method of examination in the diagnosis of uterine cancer. p.76.
Aleksandrov, V.A. - Some results of the use of fluorescence microscopy in bacterioscopic diagnosis of gonorrhea in women. p.81.
Lesiuk, V.S. - Treatment of erosion of the cervix uteri and endocervicitis by various methods of heat coagulation. p.83.
Shiflinger, L.E. - Surgical treatment of pathological states of the cervix uteri. p.86.
Arist, I.D. - Colpopoiesis in congenital a vagina by transplanting the peritoneum mentary formation. p.88.
Nikonchik, O.K. - Further trends in dec number of abortions. p.92.
Svindler, E.A. - Organization of massiv oncological preventive examinations b and phase contrast microscopy in the trict of Leningrad. p.96.
Musaev, I.M. - Results of massive prev cological examinations with the use of cal method of diagnosis of cancer und prevailing in the district. p.100.
Grishchenko, I.I. - Rural obstetrical ser kov Province. p.103.
Mamchenko, N.S. - Organization of the c oncological preventive examinations a ment of the health of women under con vailing in a rural district. p.106.
Khaidarliu, R.G., Khaidarliu, S.Kh. - O of massive preventive examinations fo population and incidence of gynecologic in a rural medical district. p.108.
Teras, J.H., Rõigas, E.M , Laan, I A. - New data on the epidemiology of trichomoniasis of the urogenital system. p 111.
Torosian, Kh.S., Sakharova, Z.S. - Organization of detection of trichomonal infestation in men and women. p.115.
Gomeniuk, I.P., Zhuchenko, P.G. - Results of anesthesia in early artificial termination of pregnancy. p.119.
Levinson, V.B. - Anesthesia with nitrous oxide and oxygen in minor gynecological operations. p.120.
Matsuev, A.I. - Local anesthesia in obstetrical and gynecological operations under conditions of a district hospital. p.121.
Siafeeva, E.N. - Late results of surgical and combined treatment of sarcoma of the uterus. p.122
Klein, M.S. - Diagnosis and therapy of chorioepithelioma of the uterus. p.123.
Serov, V.N. - Cysts of the corpus luteum. p.125.
Denisenko, T.N. - Tumors of the round uterine ligaments. p.127.
Shelestova, E.P., Ershova, A.S. - Rare case of tuberculosis and cancer of the uterus. p.129.
Kheifets, S.N. - Myoma of the vagina. p.133.
Lisitsa, G.P., Bailo, G.V. - Use of tissue therapy in diseases of the female genitalia under conditions of a women's health center. p 136.
Sitkovskii, N.B. - Congenital fistula between the rectum and the vaginal vestibule in case of a normal anus. p.137.
Turanova, E.N. - Foreign bodies in the vagina in girls. p.138.
Petr IAkovlevich Lel'chuk; on the 40th anniversary of his medical, scientific, pedagogic, and civic activities. p.142.
G.G. Genter; on the 25th anniversary of his death. p.143. (DNLM)

PEDIATRIIA [PEDIATRICS]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 42, no. 1, Jan. 1963.

Table of contents translated:

Studenikin, M.IA , Skornialova, L.K. - Current problems in pediatrics. p.3.
Karaseva, R.P. - Changes in the cardiovascular system of children with a history of uncomplicated scarlet fever. p.7.
Bulatkina, Z.G., Tal'vin, E.I. - Disorder in kidney function following changes in the urine during scarlet fever. p.12.
Reznik, B.IA. - Characteristics of some indices of immunity against whooping cough in relation to the age and state of health of children following vaccination with polyvalent vaccines. p.16.
Iboian, S.R. - Effect of gamma globulin treatment on the clinical course of whooping cough and the indices of nonspecific immunity. p.22.
Afanas'eva, V.M., Zhukova, E.K. - Clinical morphological characteristics of influenza in children during the outbreak of 1962 p.26.
Sukhareva, M.E., Zlatkovskaia, N.M. - Diagnosis and differential diagnosis of influenza in children. p.32.
Vintovkina, I.S., Itselis, F.G. - Coxsackie infections in children. p.37.
Ladodo, K.S., and others. - Clinical characteristics of influenza caused by the A2 virus in restricted children's institutions, according to data from 1960 to 1961. p.42.
Ivanov, A.I., Pashinin, P.M. - C-reactive protein in patients with scarlet fever. p.47.
Maksimov, V.V. - Daily energy loss in 10 to 11 year-old children in boarding school pioneer camps. p.48.
Vengerovskii, I.S. - History of the special departments of the pediatric faculty in the Tomsk Medical Institute. p.50.
Bilas, L.M., Vel'tishchev, IU.E., Tabolin, V.A. - Disorders of adrenal cortex function in neonates and infants; a survey of the literature. p.54.

Povalkun, I E , Sinlavskaia, O A , Firsova, V.D - Practice in treating exudative diathesis in children, from data of the Sverdlovsk Pediatric Railway Hospital p 82

Tulegenov, P.N - Case of development of convulsive condition in a neonate p 85

Afanas'eva, V M , and others - Book reviews p. 85

Kravshil, I V - Tenth International Congress of Pediatricians p 94. (DNLM)

4 OPHTHALMOLOGY & OTORHINOLARYNGOLOGY

ZHURNAL USHNYKH, NOSOVYKH I GORLOVYKH BOLEZNEI [JOURNAL OF EAR, NOSE, AND THROAT DISEASES] Issued by Ministerstvo zdravookhraneniia USSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, vol 23 no 4, July-Aug 1963

Table of contents translated

Vasil'ev, A I , Chuba, V.G - Substantiation of the preservation of the head of the malleus in the fenestration of the labyrinth p.3

Gorovoi, V A - Importance of some clinical audiometrical data in the determination of ankylosis (fixation) of the stapes in otosclerosis p 6

Dzhan, I A - Plastic surgery on the stapes in otosclerosis p 11

Pal'chikovskii, A K , Lutsenko, M A. - Morphology of the osseous capsule of the labyrinth in histological otosclerosis p 19

Lavrinenko, E A - Outcome of surgical injuries of the stapes in otosclerosis patients. p 26

Gusev, V S - Function of the vestibular analysor in Meniere's disease p 33

Markarian, S S. - Effect of light stimuli on the distinctiveness of some vestibular reactions in man p 41

Shemaker, D I - Vasomotor labyrinthine ischemia. p 45

Sirelli, M N - Treatment of adhesive otitis with lidase p. 51

Gritsuk, I A - Comparative evaluation of some methods of determining the hirofunction of the ear p 55

Khanazarova, N A - Pathogenesis of tonsillogenic intoxication p 58

Tkeshelashvili, L K - Changes in the mucous membrane of the pharynx during the menstrual cycle. p 63

IAroslavskii, IA L. - State of the ear and the upper respiratory tracts in infectious hemorrhagic reploroso-nephritis p 66

Egelis, A B - Use of citral in conjunction with retrotonsillary injections of novocaine with a 5% alcohol admixture in the treatment of chronic tonsillitis p 69.

IAroslavskii, A P. - Penicillin treatment of paratonsillary abscesses p 67.

Filippova, N P - Otogenous liquorrhea. p 68

Verdelovskii, I I - Case of substituting polyethylene prosthesis for the stapes and the incus p 69

Zaritskaia, I L - Two observations of abnormal development of the middle ear. p 70

Tsyganov, A I - Chronic hypersecretory forms of otitis p 74.

Stollarova, M K , Kalish, S A - Eosinophilic granuloma of the temporal bone p 76.

Roskin, I Z - Rhinogenous abscess of the left lobe of the brain arising in recovery. p 78

Naimagon, N L - Case of rapidly progressing otogenous meningitis in nonperforative acute otitis. p 80

Matvienko, M G - Case of a recurrent bicameral otogenous abscess in the right temporal lobe of the brain p 81

Shilovtseva, A.S - Atelectasis of a lung following tonsillectomy, p 82

Rosengaus, D E , Shevlakov, V V - Case of a gigantic mucocele in the frontal and ethmoid sinuses of the nose p 83

Marshak, E M , Basalkevich, V.K - Table of recorded results of vocal audiometry. p. 85.

Kantor, A A - Method of indirect mobilization of the stapes in otosclerosis p. 86.

Ioffe, M S - Rarefaction of the air in the external acoustic meatus and its diagnostic importance in otosclerosis p 87

Minkin, O V., Nugmanov, M N - Method of plastic surgery in large parotid defects following trepanation of the mastoid process. p. 89.

Aznaur'ian, K.S -New model of ear forceps. p. 91.

Lipov, S.F , Soldatov, V S - Trepanopuncture of the frontal sinus. p 91.

Mezrin, M.P - Forceps for the removal of screws from the bronchi in children. p 92

Akopova, A G., Kazhlaev, M.D. - Simplified loop for tonsillectomy. p 93

Chevel'cha, N I. - Removal of foreign bodies from the nose. p. 94.

Pitenko, N F., Ginzburg, V.Z. - One-hundredth anniversary of the birth of Alfred Denker. p. 95.

5 PATHOLOGY & THERAPEUTICS

PATOLOGICHESKAIA FIZIOLOGHIA I EKSPERIMENTAL'NAIA TERAPIIA [PATHOLOGICAL PHYSIOLOGY AND EXPERIMENTAL THERAPY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 7, no. 1, Jan.-Feb. 1963.

Table of contents translated

Ostryi, O IA - Basic concepts of A.D. Speranskii on the mechanisms of disease, recovery and treatment, on the 75th anniversary of his birth. p. 3

Baluda, V. P. - Modern concepts on the pathogenesis of intravascular thrombus formation. p. 6.

Gorizontov, P D., Shcherbova, E.N. - Role of humoral factors in changes in the central nervous system during experimental radiation injury. p 14.

TSukerman, M.A , and others. - Immunotherapy and dermatoplasty in combined burns. p. 19.

Lokot', P IA., and others - Experimental therapy of thermal burns of the upper respiratory tracts and the lungs. p. 23.

Lunina, N V. - Acid-base equilibrium in hemorrhage combined with burns. p. 28.

Meerson, F Z , and others. - Mediator metabolism of the myocardium in compensatory hyperfunction and hypertrophy of the heart p. 32.

Fishchenko, L IA., Neiko, E M. - Reactivity of the cardiovascular system to some drugs in acute intestinal obstruction. p. 36.

Shapiro, IU. L. - Change in the leucocyte count of the blood following a total prolonged alimentary starvation and subsequent feeding in man p. 39.

Nastedova, I.D., Rafael'skii, IA D. - Effect of estrogens on the development of experimental atherosclerosis in rabbits of different ages. p. 44.

Arkhipov, G.N. - Resistance to oxygen deficiency in rats with growing primary tumor (sarcoma M-1) p. 49

Gordienko, A.N., Bondaerv, I.M. - Mechanism of the development of delayed allergic reaction p.52.

Litvak, IA.M. - Filtration and reabsorption process in the kidneys after omentorenopexy in portal hypertension p 56.

Shaposhnikova, N.F. - Accumulation of $Na_2HP^{32}O_4$ in tissues and phagocytosis during inflammation under conditions of the use of gangliolytics. p. 61.

Geller, L.I. - Humoral influences of the spleen on the bone marrow in lesions caused by ionizing radiation and benzene. p. 65

Agranenko, V A., Nedoshivina, R V. - Experimental study of acute renal insufficiency following complications during blood transfusion. p. 71

Verulashvili, V I. - Determination of C-reactive protein in toxoplasmosis under experimental and clinical conditions. p. 75

Golod, I.S - Antibodies to the inhibitor of the rheumatoid factor, p. 76

Maslakov, D.A. - Effect of polyglucin on the survival of animals following interruption of arterial blood supply to the liver p. 78.

Chesnokova, S.A., Khovanskaia, M.G. - Content of ascorbic acid in the brain of rats following cerebral decortication p. 79.

Sokolov, A V. - Specific antigens of the central nervous system. p. 79.

Prokhonchukov, A.A. - Metabolism of C14 labeled lysine in calcified tissues during acute radiation sickness. p. 81.

Teicharov, L., Kiutukchiev, B. - Experimental use of biopsy p. 84.

Medellanovskii, A.N., Kiselev, O.I. - Simplified apparatus for phasic examination of the heart. p. 86.

Petrov, I.R., Gubler, E.V. - "Pathophysiology of hypoxic conditions" by A M. Chernyi. p. 88.

Britvan, IA M. - "Regulation of respiration in man" by M.E. Marshak. p 89

Andreev, S V. - Scientific work of S.I. Chechulin, on the 25th anniversary of his death. p. 92.

Brief news p 94.

Vol 7, no 2, Mar -Apr. 1963

Table of contents translated

Pavlenko, S M. - Neurotropic bases of compensation. p. 3.

Chertkov, I.L., and others. - Some immunological data on the fate of bone marrow transplanted to totally irradiated dogs. p. 9.

Ivanov, P.N. - Pathogenesis of high-altitude emphysema p. 15.

Raiskina, M.E., Samoilova, Z.T., Khokas, M.IA. - New data on the effect of adrenaline and noradrenaline on the supply of oxygen to the heart. p. 19.

Kulagin, V K. - Significance of changes in cerebral blood circulation in the development of disorders in nervous activity during a traumatic shock. p. 26

Fedorov, I.I., Bezuglov, V.P., Zakharila, E.A. - Blood supply to the brain during experimental convulsions. p. 30.

Kosheleva, G.G. - Prolonged disorders in reflex activity of the spinal cord following temporary occlusion of the abdominal aorta near its bifurcation. p. 34.

Kuznetsovskii, N.N - Experimental [illegible] endocarditis. p 38.

Galdina, G A., Mel'numova, G G - [illegible] kidneys in mercuric chloride poisoning [illegible] after their denervation. p 42.

Kuznetsova, A N. - Use of hypothermia [illegible] testinal obstruction p. 46.

Loifes, F.L - Changes in nonspecific [illegible] tivity during experimental disorders [illegible] tabolism p 50

Suchkov, V.V. - Nonspecific role of infection in the change of leucocyte [illegible] stimuli p. 54

Movshev, B.E - Changes in mineral [illegible] tabolism in calcified tissues following [illegible] burns. p 58.

Kucherlavyi, P. Kh., Il'ina, T. I - [illegible] phagocyte activity in experimental [illegible] sis following the use of pyrogenal and [illegible] p. 63

Geller, L.I - Effect of the spleen on the [illegible] some pathological states. p 66.

Sultanov, F.F. - On the mechanism of [illegible] vascular tissue permeability following [illegible] of high external temperature [illegible] p. 68.

Rozenberg, G.IA., Rudashevskaia, M M , [illegible] N D. - Changes in the specificity of [illegible] proteins under the influence of pyrogenal [illegible]. p 69.

Donskaia, L.V., Khunina, R.A Activity of [illegible] nesterase in different tissues of white rats [illegible] perimental poliomyelitis p. 70.

Panasenko, K P - Photoelectric registration of [illegible] intensity of tissue respiration under experimental conditions. p 72

Kholas, M IA , and others. - Determination of [illegible] gen tension in the myocardium by polarography p. 73.

Markov, V N., Rudakov, L A - Use of [illegible] electrical stimulation for inducing [illegible] togenic states in rats p 76.

Dzhavadian, N.S., Ivanova, L N., [illegible] Intracardiac examination of blood pressure [illegible] phonocardiogram under experimental [illegible] with a new Soviet apparatus p. 78.

Genes, S G - The 10th anniversary of the [illegible] of insulin. p. 81.

IAkov Mironovich Britvan, on his 60th birthday. p. 87.

Nelman, I.M. - Some unsolved problems in [illegible] regulation of adaptive reactions of the [illegible]

Zikeeva, A.I. - Republic-wide conference [illegible] transfusion of blood in Kazakhstan p 91

Airapetiants, M.G , Ivanitskii, A.M - [illegible] fonfing radiations on the nervous system [illegible] Lebedinskii, Zh.N. Nakhil'nitskaia p 91

REFERATIVNYI ZHURNAL: OBSHCHIE VOPROSY [illegible] TOLOGII. ONKOLOGIIA [Otdel'nyi vypusk Referativnogo zhurnala] NAL OF ABSTRACTS: GENERAL PROBLEMS OF [illegible] PATHOLOGY. ONCOLOGY [Separate issue of the Referativnyi zhurnal] Issued by Institut nauchnoi informatsii Akademii meditsinskikh nauk SSSR [Institute of Scientific Information of the Academy of Medical Sciences of the U.S.S.R.]. Moscow, [illegible] 21, Oct.-Nov. 1963.

TASHKENT. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT VAKTSIN I SYVOROTOK. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF VACCINES AND SERA. Transactions]. Vol. 5(19), 1962.

Table of contents translated

Il'ina, T.S - Study of the antigenic structure of influenza virus by the adsorption method [illegible]

Maksumov, S S. - Immunogenic properties of commercial strains of the rabies virus [illegible]

Maksumov, S.S. - Possibility of using the [illegible] a tam for the preparation of an antirabies [illegible] p. 15.

Finogenova, E V. - Infection of sand flies by pappataci fever virus in an experiment [illegible]

Finogenova, E.V - Biological characteristics of vaccine strain of the pappataci fever virus [illegible] aged through the organism of a sand fly p 21

Baglikova, V.G., Ostrovskaia, S.G., Nosenko [illegible] S.I - Study of immunity to smallpox vaccine in Uzbekistan; state of immunity to smallpox [illegible] following the Great Patriotic War p 31.

Shtengol'd, E.IA., Shteikher, Z.I , Shishova [illegible] Immunological effectiveness of Q vaccine [illegible]

Slavina, Kh M., and others - Study of the etiology of intestinal diseases with a dysenteric syndrome in children under the age of two. p. 57

Leitman, M Z., and others. - Study of the effectiveness of subcutaneous immunization against dysentery with Chernokhvostov's alcohol vaccine [illegible]

Kuz'minova, M.L. - Comparative study of the [illegible] genic and immunogenic properties of atypical and typical dysenteric bacteria. Report No. 2 p 71

Abidov, A.A. - Specific bacterial keratoconjunctivitis [illegible] p. 77.

Abidov, A.A. - Directed change in the properties of dysentery (Flexner's and I types) and intestinal bacteria within the cecum of a rabbit p. 80

Abidov, A A - Variation in Flexner's (types c and f) dysenteric bacteria under the influence of extracts prepared from the contents of the large intestines of patients with acute dysentery p 94

Abidov, A A - Variation of Bact coli commune under the influence of extracts prepared from the content of the large intestine of patients with acute dysentery p 101

Leitman, M Z - Clinical and epidemiological characteristics of amebiasis and ameba-bacterial dysentery p 105

Burov, K.D , Grigor'eva, A.I , Zakhidova, Kh R - Study of the quality of clinical and laboratory diagnosis of diphtheria by the use of a tellurite medium and determination of antitoxin in the blood of patients who have had an atypical clinical course p 118

Dubrovinskii, S B , and others - Clinical and epidemiological state of diphtheria in Tashkent (1955-1956) p 124

Nikol'skii, A.N., and others - Immunization reactivity in horses immunized with a diphtherial anatoxin, effect of pilocarpine on the development of antitoxin in horses p 139

Nikol'skii, A N , and others. - Study of immunization reactivity in horses immunized with a diphtherial anatoxin, preparation of horses for the production of diphtheria serum at an early age p 145

Sadykov, A S - Search of a method of obtaining anavenin of Echis for hyperimmunization of animals. p 149

Suleimanian, M.S., Averbukh, I.IA. - Effect of pilocarpine on the accumulation of agglutinins in the blood of animals during immunization p 159.

Inogamov, A.V., Engalycheva, A.M - Possibility of reversion of the BCG culture in experimental infection of Syrian hamsters p 165

Khavkin IU A , Vasil'ev, V A. - Juxtaposition of the chemical and electrophoretic methods of determining the albumin-globulin coefficient p. 167

Rogova, L I., Dekhkan-Khodzhaeva, N A. - Problem of the identity of Lamblia in man and in rats p. 175.

Dekhkan-Khodzhaeva, N A - Invasion of Lamblia in children of nursery age. p. 179.

Lisova, A.I. - Some biological regularities in the annual cycle of sand flies according to observations in Tashkent Report No. 1 Effect of precipitation on the number of sand flies p 189.

Lisova, A I - Some biological regularities in the annual cycle of sand flies according to observations in Tashkent. Report No. 2. Time of increase in the number of sand flies p. 204.
(DNLM)

TERAPEVTICHESKII ARKHIV [THERAPEUTIC ARCHIVES]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U. S. S. R.]. Moscow, vol. 35, no. 2, Feb. 1963.

Table of contents translated

Gukasian, A.G. - Maksim Petrovich Konchalovskii and his school on the 20th anniversary of his death p 3

Kassirskii, I.A., Mitevskaia, IU. L. - Controversial questions in antibiotic therapy. p. 9.

Damir, A.M., Sarankin, G.E. - Coronary blood circulation in pneumosclerosis. p. 16.

Gefter, V.A. - Effect of nitrosorbid on the cardiovascular system in coronary insufficiency. p. 22.

Jegorova, L.I , Kostiaeva, S.I. - Use of some diuretic substances (diamox, chlorurit, hypothiazide) in cardiovascular pathology. p 30.

Borodulin, IU.D. - Skin thermometry of the anterolateral surface of the thorax in the diagnosis of coronary insufficiency. p 37.

Gasilin, V.S. - Phonocardiogram in coronary insufficiency. p. 42

Semenovich, N.I. - Electrophorograms of the blood serum in combination with fibrinogen and amino acids in patients with chronic coronary insufficiency p 48.

Paramonova, E.G., Prostiakov, K.M. - Functional state of the thyroid gland in patients with a history of myocardial infarct. p. 54.

Shershevskii, M.G. - Influence of vitamin B12 on fibrinolysis in atherosclerosis. p. 58.

Medvedev, V.P. - Significance of Kunkel's phenol test for the diagnosis of atherosclerosis. p. 60.

Pleshkov, A.M. - Effect of prolonged use of easily absorbed carbohydrates (sugar) on the level of blood lipids in atherosclerosis. p. 66.

Zhukova, A.A. - Comparative study of lipids and lipoproteins in the blood serum in lipoid nephrotic syndrome and atherosclerosis. p. 70.

Teregulov, A.G., Bogolavlenskii, V.F. - Practical significance of the Weltmann test in atherosclerosis. p. 77.

Zodiev, V.V., Shanina, V.A. - X-ray diagnosis of disorders of the heart in rheumatic fever. p. 82.

Fainshtein, F.E., Rozanova, N.S. - Possibility of the transformation of hypoplastic anemia into leukemia. p. 86.

Petukhova, N.I. - Characteristics of the state of the cardiovascular system in patients with leukemia. p. 93.

Zmyrgova, A.V , Kainova, A.S., Privalenko, M N. - Disorders of protein metabolism in some major collagenoses. p 99.

Isakov, I I., Grokhotova, S.G. - Treatment of acute renal insufficiency by intraperitoneal dialysis. p. 105

Shilinis, IU.A. - Christoph Wilhelm Hufeland (1762-1836), on the 200th anniversary of his birth. p 108.

Moiseev, S G - Aleksandr Nikolaevich Krukov; on the 10th anniversary of his death. p. 111
(DNLM)

f PHARMACY & MATERIA MEDICA

*ANTIBIOTIKI [ANTIBIOTICS]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U. S. S. R.]. Moscow, vol. 7, no. 7, July 1962.

Table of contents translated:

Umezawa, H. - Some antitumor substances secreted by micro-organisms. p. 559.

Ermol'eva, Z.V., and others. - Experimental study of the antitumor action of some substances of natural origin. p 571.

Leikina, M I. - Action of the antibiotic, crucin, on cultures of cells of human malignant tumors in vitro (on the method for determining the antibiastomogenic activity of crucin). p. 582.

Krugliak, E B., and others. - Isolation and properties of the new antibiotic, 323/58, with an antitumor action. p. 588.

Navashin, S.M., Fomina, I.P. - Effect of some high-molecular polypeptides on cultures of human tumor cells. p 594.

Toropova, E.G. - Method for cultivating tumor cells in vitro and its use for the primary selection of new antitumor antibiotics. p. 598.

Laiko, A.V. - Action of some antitumor antibiotics on the synthesis of nucleic acids in the cells of staphylococci p. 601.

Talyzina, V.A. - Method for the primary selection of antitumor antibiotics. p 606.

Romanenko, E.A., Mazaeva, V.G. - Effect of novocaine on the antitumor activity of actinoxanthine and aurantin. Preliminary report. p. 612.

Nefelova, M.V. - Effect of valine on the biosynthesis of aurantin. p. 617.

Nisnevich, L.M., Akop'iants, S.S. - Combined use of aurantin with other therapeutic methods for patients with malignant neoplasms. p. 623.

Ozeretskovskii, N.A., Dzheksenbaev, O.Sh. - Effect of the antitumor antibiotic, aurantin, on adrenal cortex function. p. 627.

Novozhilova, T.P. - Effect of chlortetracycline on the riboflavin balance. p. 631.

Mironov, G.S., Mikhailov, A.I., Astakova, L E. - Effect of chlortetracycline and cortisone on the cholesterol level of the blood serum in patients with acute bacillary dysentery. p. 636.

Silaev, A.B., and others. - Study of the inactivation of polymyxin M. p. 638.

Lentsner, A.A., and others. - Change in sensitivity to antibiotics of Newcastle dysentery bacillus in the human body before the beginning of treatment. p. 643.

Barsukov, N.A. - Distribution of antibiotics of the tetracycline group in the body under varying methods of administration. p. 646.

REFERATIVNYI ZHURNAL: FARMAKOLOGHIA. TOKSIKOLOGHIA (Otdel'nyi vypusk 54) [JOURNAL OF ABSTRACTS: PHARMACOLOGY, TOXICOLOGY (Separate Issue 54)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 20, Oct, 1963.

g. PUBLIC HEALTH & NURSING

MEDITSINSKAIA SESTRA [MEDICAL NURSE] Issued by Ministerstvo zdravookhraneniia R. S. F. S. R. [Ministry of Health of the R S. F. S. R.] Moscow, vol 22, no. 8, Aug. 1963

Table of contents translated:

Mitereva, G.A. - Improving the quality of specialized medical care. p. 3.

Bobrovskii, N A., Tokman, A.S. - Prospects and means of the development of otorhinolaryngological care for the population of the R. S. F. S. R. p. 7.

Studnitsin, A.A. - Successes of soviet public health service in the control of skin and venereal diseases. p. 10.

Korolev, IU. F. - Seborrhea and its complications. p. 14.

Golshmid, K.L. - Prevention of skin diseases in agricultural workers. p. 19.

Kolokolova, N.V. - Role of nurses in treating fungus diseases of the nails. p. 23.

IAkovlev, A.A. - Uveitis. p. 26.

Trutneva, K.V. - Glaucoma. p. 30.

Radzikhovskii, B.L. - Myopia. p. 34.

Gundorova, R.A. - Surgical treatment of retinal detachment. p. 39.

Smirnov, G.A. - Plastic surgery on the tympanal organ. p 43

Shakhnovich, L.A. - Physical methods of treating chronical highmoritis in children. p. 50

Solov'eva, A S. - Characteristics of nursing in the ophthalmological department. p. 51.

Vysotskaia, A.P - Work of the surgical nurse in the otorhinolaryngological department. p. 54

Bagnova, M D. - Prophylaxis for suppurative skin diseases. p 55.

Zel'din, G S. - Care of the hair. p. 57

Lydoklia Aleksandrovna Kornilova. p. 59.

Aleksandra Petrovna Matveeva. p. 60.

Polina Timofeevna Melent'eva. p 60.

Shchechkin, V.N. - Review of A.I. Piskun's book "Chronic tonsillitis." p 61.

Shimes, M.P - Work of the journal "Die Heilberufe" ("Medical professions") in the German Democratic Republic. p. 62.

Questions and answers. p. 63.

Vol 22, no 9, Sep 1963

Table of contents translated:

Pisarev, D.I. - Ethics and the thinking of the Soviet medical worker, p. 3.

Levi, V.E. - Functional diseases of the internal organs p. 7.

Shimes, M.P. - Functional disorders of the gastrointestinal tract. p. 12.

Beiul, E.A - Chronic enteritis. p. 17.

Gamerova, V.M. - Therapeutic diet in peptic ulcers of the stomach and the duodenum. p. 21.

Piasetskii, N R. - Successes in modern therapy of diabetes mellitus. p. 25.

Zakharov, S.V. - Insulin and its use in diabetes. p. 28.

Shapiro, IA.E. - Prevention and treatment of corpulence. p. 31

Neimark, I I. - Endemic goiter and its prophylaxis p. 35.

Pikhlak, E.G. - Gout. p. 41.

Kozlova, G.I , Baranova, E G., Zagorina, L.S. - Role of a nurse in the examination and care of patients with Itsenko-Cushing's disease p. 46

Ruleva, T. T. - Characteristics of caring for patients with diabetes mellitus. p. 49.

Rozovskii, A.M. - Dispensary service for patients with peptic ulcers of the stomach and the duodenum p. 51.

Medicinal substances. p. 53.

Zhivetskii, A.V. - Results of two-phase hospital service for patients. p. 56.

Baranovskii, L.V. - Teaching the population the value of proper nutrition is the duty of a nurse. p. 57.

Borodulin, V.I. - G.F. Lang, prominent Soviet therapeutist. p. 60.

Aleksandra Fedorovna Govorova. p. 63.

h SURGERY & DENTISTRY

AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow. Otdel nauchnoi meditsinskoi informatsii. Informatsionnaia bibliografiia. Khirurgiia [ACADEMY OF MEDICAL SCIENCES OF THE U. S. S. R. Department of Scientific Medical Information. Bibliography. Surgery]. Moscow, no. 2, 1961.

EKSPERIMENTAL'NAIA KHIRURGHIA I ANESTEZIOLOGHIA [EXPERIMENTAL SURGERY AND ANESTHESIOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U. S. S. R.]. Moscow, no. 1, 1963.

Table of contents translated:

Vishnevskii, A.A. - On some achievements and further development of modern surgery (speech at the opening of the Second All-Russian Congress of Surgeons on September 24, 1962). p. 3.

Pivková, A., Horecky, J. - Method of selective cooling of the brain. p. 7.

IAtsuk, S.L., Volkov, A.A. - Techniques of pallidotomy using the stereoencephalotome designed by the Scientific Research Institute for Experimental Surgical Apparatus and Instruments. p. 12.

Ostrovskaia, I.M. - Technique of examining patients with intracranial hemorrhages by angiography. p. 16.

Mazaev, V.P. - Coronary angiography. p. 21.

Novikov, I.P. - Dynamics of the development of collateral blood circulation in thrombosis of the femoral artery. p. 24.

Gevorkian, V.A. - Blood vessels of the vagina from the viewpoint of aging. p. 27.

Livshits, A.V. - Determination of the electric activity of the muscles of the anterior abdominal wall in acute appendicitis. p. 31.

Pshenichnikov, I.V., Pechatnikova, E A. - Preoperative determination of the length of the mobilized intestine necessary for the creation of a transpleural artificial esophagus. p. 36.

Smelovskii, S.I. - New modification of closure of the duodenal stump. p. 39.

Bel'skii, A.V. - Furcate drain with two or three branches for hepatic ducts, removable in separate parts. p. 40.

Dureisaveni, P. K., Ort, M. Ch. - Role of experimentally induced anomalies of development in an explanation of the etiology of congenital human deformities. p. 44

Durbinian, T. M., Pripus, N. M. - Induced anesthesia conducted with steroid preparations. p. 50.

Mrozowski, D. - Use of hydroxydione (presuren) anesthesia in combination with local anesthesia. p. 56.

Svadzhian, E. P. - Use of trichloroethylene (narkogen) for anesthesia and analgesia. p. 60.

Kovanev, V. A., Khmelevskii, IA. M. - Interaction of muscle relaxants and corticosteroids in modern anesthesia in heart surgery. p. 65.

Manevich, A. Z., Zhorov, V. I., Smirnov, P. N. - Experimental and clinical basis for the rational use of anesthesia equipment in fluothane anesthesia and anesthesia with an azeotropic mixture. p. 74.

Rudaev, IA. A. - Inclusion of the automatic apparatus DP-2 for automatic control of respiration in the hospital model of the anesthesia machine from the "Krasnogvardeets" Plant. p. 79.

Sharov, N. A., Mitrofanov, V. S. - Experimental data on the evaluation of a new anesthetic trimecaine. p. 80.

Lipnitskii, I. F. - Syringe for general use. p. 83

Petr Andreevich Kuprifanov; on his 70th birthday p. 93

Boris Grigor'evich Egorov, on his 70th birthday p. 94.

(DNLM)

GRUDNAIA KHIRURGIIA [THORACIC SURGERY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U. S. S. R.]. Moscow, vol. 4, no. 6, Nov. - Dec., 1962.

Table of contents translated.

Kolesnikov, S. A., and others. - Clinical observations on mitral stenosis patients with active hypertension of the lesser circulation. p. 3.

Mysh, G. D., Bocharov, A. F. - Course of experimental myocardial infarct following cardiac revascularization operations. p. 10.

Shvetsov, I. M., Abramova, N. I. - Accessory coronary arteries (anatomical experimental research). p. 13.

Rapoport, IA. L., and others. - Pathomorphological changes in the mitral valve at various periods after commissurotomy. p. 17.

Dashkovskii, V. E. - Development of a second barrier in mitral defects. p. 22.

Berezov, IU. E., and others. - Method of excluding the left ventricle of the heart for thoracic aorta surgery. p. 25.

Anichkov, M. N. and others. - State of the collaterals in coarctation of the thoracic aorta. p. 30.

Erokhina, L. G., Komarov, B. D. - Neurologic complications in plastic surgery on aortic coarctation. p. 33.

Stegailov, R. A. - Intravital coronarography, experimental research. p. 37.

Zingerman, L. S., Petroslan, IU. S., Pronin, V. I. - Coronary arteriography in experimental and clinical practice. p. 41.

Bilenko, M. V. - Research on the viability of blood vessels preserved by freeze-drying. p. 45.

Rusakov, A. B. - Surgical tactics in penetrating chest wounds under peace time conditions. p. 51.

Orlov, A. G. - Vascular and bronchial topography of the right lung. p. 55.

Ermolaev, V. R. - Segmental and combined resections of the lungs in bronchiectasis. p. 59.

Zhenetskii, V., Bireiskaia, A. - Resection of lung tissue in tuberculosis with the aid of the UKL-60 apparatus. p. 66.

Agafonov, I. V. - Surgical treatment of pulmonary hemorrhages. p. 72.

Novitskii, A. V. - Successive bilateral partial resection in pulmonary tuberculosis. p. 77.

Kharitonov, L. G., Kagan, E. M., Benenson, M. P. - Researching the functional characteristics of a prosthetic esophagus. p. 80.

Lapin, M. D. - Total proteins and protein fractions of the blood serum and the nature of their changes under the influence of preoperative preparation in patients with cancer of the cardial section of the stomach and esophagus. p. 83.

Makhachev, M. O. - Primary malignant tumors of the heart. p. 89.

Askerkhanov, R. P. - Case of anomalous development of the left lung. p. 90.

Solov'eva, I. P., Nezhlukto, A. IA. - Solitary plasmacytoma of the lung. p. 92.

Erlntseva, E. P., Rokitskii, M. R. - Sarcoma of the lung and the pleura. p. 94.

Metrevelli, V. V., Chachava, T. M. - Case of sarcoma of the lung. p. 99.

Fedotkin, D. V. - Resection of the esophagus for cancer, with intrathoracic anastomosis, in a patient having had a previous gastrectomy. p. 100.

Kotiger, IA. S. - Echinococcosis of the mediastinum. p. 101.

Bakhtiiarov, V. A., Shadrina, V. M., Artemova, L. F. Clinical anatomical diagnosis of thymoma. p. 102.

Prakhov, N. V. - Attack of bronchial asthma during and after surgery. p. 104.

Finkel', I. I. - Hydrometry of the heart valves, methods of pathologicoanatomical research. p. 106.

Lipnitskii, I. F. - An all-purpose valveless syringe for continuous injection and aspiration of liquids and gases. p. 111.

Usov, I. I. - Use of electrical scissors for the opening of tuberculosis caverns of the lungs. p. 112.

Rynelskii, S. V., Grinberg, A. A. - Clinical aspects and surgical treatment of occlusion of the aorta and iliac arteries (Leriche syndrome), review of literature. p. 114.

Systematic and subject index of articles published in the periodical "Grudnaia khirurgiia" in 1962. p. 120. (DNLM)

ORTOPEDIIA, TRAVMATOLOGIIA I PROTEZIROVANIE [ORTHOPEDICS, TRAUMATOLOGY, AND PROSTHESIS]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U. S. S. R.]. Moscow, vol. 24, no. 1, Jan. 1963.

Table of contents translated

Krupko, I. L. - Treatment of lesions of the shoulder joint. p. 3.

Chaklin, V. D., Abal'masova, E. A., Lavrishcheva, G. I. - Regeneration processes during intra- and extramedullary osteosynthesis p. 10.

Hainzl, G. - Diaphysial fractures of the bones of the forearm and their treatment. p. 15.

Gilbert, G. P. - Late results of treating typhical radius fractures. p. 23.

Khavkin, L. S., Kurzina, A. I. - Remote results of treating epiphysiolysis of the distal part of the radius. p. 30.

Bashurov, Z. K. - Fractures of the navicular bone of the wrist. p. 34.

Dedova, V. D., Cherkasova, T. I. - Effect of vitamin B_{12} on the regeneration of bone tissue (in surgical elongation of a human extremity). p. 38.

Mironova, Z. S., Merkulova, R. I. - Treatment of traumas of the locomotor apparatus in athletes by local infections of hydrocortisone. p. 43.

Golovanov, V. D. - Lesions of the peripheral nerves. p. 48.

Tsoi, G. V. - Prevention of industrial traumatism among machine operators in agriculture p. 57.

Pan'kina, I. F. - Technique of administration of aid and treatment in crush injuries of both shins and severe shock. p. 62.

Liuboshits, N. A. - Case of Galeazzi's fracture in a child. p. 63.

Sklifarenko, E. T. - Posterior dislocation of the shoulder combined with fracture of the anatomical neck in electrical trauma. p. 65.

Bukhni, A. F. - Case of avulsion of the anterior cruciform ligament. p. 65.

Gotlakhovskii, V. IU. - New clinical symptom of subluxation in the talotibial articulation. p. 67.

Alekseeva, L. N. - Case of pathological bone transformation. p. 68.

Gertsen, I. G., Chabanenko, V. D. - Classification and treatment of fractures of the pelvic bones. p. 70.

Semenov, V. I. - Two cases of regeneration of the epiphyses of the femur after osteomyelitis in children. p. 71.

Akimov, IU. A. - Case of congenital elephantiasis of the fingers in a child. p. 73.

Gerasimov, A. N. - Apparatus for bone fragments of the humerus. p. 75.

Sautin, E. N. - Three-toothed clamp. p. 76.

Rukhman, L. E., Raevskaia, T. P., Khapman, V. L. - Insertion appliances of polyethylene in foot defects. p. 77.

Fishchenko, P. IA. - Splint for the treatment of Volkmann's ischemic contracture of the wrist and fingers. p. 81.

(DNLM)

Vol. 24, no. 2, Feb. 1963.

Table of contents translated.

Zvonkov, N. A., Bellakova, T. N. - Morphological characteristics of the changes during homoplasty with refrigeration-preserved bone, experimental research. p. 3.

Pavlova, M. N. - Morphological changes in the nerves of animal bone tissue during acute radiation sickness. p. 9.

Kapustina, T. M. - Bone dystrophy in the extremities of rabbits induced by partial resection of the femoral or sciatic nerve. p. 14.

Khristich, A. D., Katonin, K. I. - Regeneration of femoral bone tissue following transplantation of an extremity; preliminary report. p. 18.

Engalycheva, N. A., Berdashkevich, IA. A. - Dynamics of morphological changes and treatment procedure in aseptic necrosis of the femoral head in adults. p. 21.

Rabov, V. K. - Morphological changes in the hip joint following an experimental surgical deepening of the acetabulum. p. 27.

Two-stage resection and reposition in congential hip dislocation. p. 33.

Kondrashin, N. I., Andrianov, V. L. - Surgical treatment of dystrophic varus deformity of the femoral neck in children. p. 38.

Fedotova, R. G. - Late results of osteoplastics in pseudarthrosis and extensive bone defects of the leg in children. p. 44.

Barsukov, N. A. - Methodology of biomycin electrophoresis in the treatment of suppurative inflammatory processes, experimental research. p. 51.

Sadykov, A. G., Feishter, B. V. - Development of cancer on old scars and following chronic osteomyelitis p. 54

Girshin, S. G. - Tracheostomy in the compound treatment of a severe injury. p. 57.

Izmailova, S. I., Fadeev, M. A. - Case of prosthetic repair of a damaged popliteal artery p. 62

Dudin, V. A. - Treatment of complicated defects of the tibia by Bogdanov's shunt synosteosis. p. 63.

Balaban, M. B., Yakunina, L. N. - Hip osteotomy in melorheostosis. p. 65.

Breitman, R. Sh. - Treatment of wounds with polyvinyl chloride film dressings in an outpatient clinic p. 67.

Sverdlov, IU. M., Arenberg, A. A., Zhitnitskii, R. E. - Arbitrary subluxation of the shoulder. p. 68.

Edel'shtein, G. L., Tukubaeva, M. F. - Two cases of surgical treatment of pes equinus developing from scleroderma. p. 71.

Varshavskii, I. M. - Plaster and epoxide splints p. 73.

Polonskii, M. N. - Pneumatic devices in a corset for the correction of lateral spinal curvatures, preliminary report. p. 73.

Riabokon', E. A., Martiniuk, K. D., Lopatina, M. A. - Abstracts of articles received by the editors. p. 78.

Zenchenko, A. V., Nechaev, N. N. - Abstracts of foreign literature p. 81

New books. p. 82.

Minina, R. M. - "Primary tumors of bones in children" by M. V. Volkov. p. 83.

Korzh, A. A. - "Fractures in the region of the elbow joint in children" by G. A. Baikov. p. 87.

Belous, A. M. - Report on the work of the societies of traumatologists and orthopedists for October and November 1962. p. 89.

(DNLM)

VESTNIK KHIRURGII [REVIEW OF SURGERY]. Issued by Khirurgicheskoe obshchestvo Pirogova [Pirogov Surgical Society]. Leningrad, vol. 90, no. 3, Mar. 1963

Table of contents translated.

Bakulev, A. N., Pronin, V. I. - Results and prospects of surgical treatment of coronary insufficiency. p. 3.

Korolev, B. A., Shmerel'son, M. B. - Resection of the lungs in bilateral bronchiectasis. p. 11.

Ermolaev, V. R. - Indications and contraindications for surgical treatment of bronchiectasis. p. 19.

Kuz'michev, A. P., Maksimova, I. A. - Middle lobectomy with wedge-shaped resection of the intermediate bronchus. p. 24.

Karpinishan, K., Bogdan, Tr., Koman, K. - Decortication of the lung. p. 30.

Tatarskii, N. V. - Late results of thoracoplasty in tuberculous empyema. p. 35.

Grasmik, T. A. - Technique of liver resection. p. 41.

Al'perovich, B. I., Gorodov, IU. N. - Results of surgical treatment in alveolar echinococcosis of the liver. p. 46.

Karpunichev, V. S. - Resection of the liver in alveolar echinococcosis. p. 50.

Telkov, N. A. - Use of the 8-shaped suture and hepatic clamp in resection of the liver. p. 54

Anikhanova, M. D. - Details of the topography of the blood vessels and hepatic ducts in the portal region of the liver. p. 59.

IAsnitskii, V. G. - Diagnosis of gallbladder diseases in gastrectomized patients by the jejunal catheterization method. p. 64.

Polivanov, Iv., Dimov, G., Kovacheva, N. - Complications in acute pancreatitis. p. 71.

Pauling's new molecular theory of anesthesia. p. 78.

Doroshchuk, V. P. - Methods for improving modern equipment for prolonged artificial respiration. p. 81.

Doletskii, S. IA., Reino, U. A. - Selection of technique in the surgical treatment of developmental defects of the genitalia in children. p. 88.

Suslennikova, E. A., Shamis, A. IA. - Characteristics of pre- and postoperative management of newborn infants with developmental defects. p. 98.

Demchuk, V. I. - Fivefold perforation of the stomach in a patient with peptic ulcer. p. 105.

Kublanov, B. M. - Eversion of the stomach wall in gastrostoma. p. 107.

Udalova, A. I. - Pneumatosis of the small intestine. p. 108.

Bronnikov, K. E. - Cancer of the bile duct. p. 109.

Kemarskaia, A. F. - Splenectomy in patients with liver cirrhosis. p. 110.

Val'ter, V. G., Chichkov, IU. F., Sheptukhina, E. M. - Prevention and treatment of postoperative intestinal paresis. p. 112.

Pulatov, A. T. - Use of ACTH and corticosteroid hormones in surgical intervention. p. 117.

Burmistrov, M. I. - Review of V. S. Savel'ev's book "Sounding and angiocardiography in congenital heart defects." p. 126.

Filatov, A. N., Kuz'min, D. S. - Review of K. B. Tikhonov's book "Angiography." p. 128.

Blinov, N.I. - Aleksandr Pavlovich Nadein; on his 70th birthday. p 130.
Napalkov, P.N. - A review of reports of value to the surgeon read at the Eighth International Cancer Research Congress. p 131.
Sitenko, V.M., and others. - Minutes of the Pirogov Surgical Society for meetings Nos 1302 and 1303. p.137.
Vainshtein, V.G., and others. - Minutes of the Plastic Surgery Section of the Pirogov Surgical Society for meetings No.5-8. p.145.
Chistovich, G.V., and others. - Minutes of the Pediatric Surgery Section of the Pirogov Surgical Society for meetings No.37 and 38. p 151.
Grigor'ev, M.S., and others. - Minutes of the Anesthesiology Section of the Pirogov Surgical Society for meetings No 54 and 55. p. 154.
(DNLM)

i. VENEREOLOGY & DERMATOLOGY

VESTNIK DERMATOLOGII I VENEROLOGII [REVIEW OF DERMATOLOGY AND VENEREOLOGY] Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.] Moscow, vol 37, no 1, Jan 1963.

Porudominskii, I.M. - Nongonorrheal diseases of urogenital organs and the tasks of dermatovenereologists. p.3.
Berlin, L.B. - Histological changes in the human skin after thermal burns. p.10.
Lelis, I.I. - Role of trauma in the pathogenesis of lupus erythematosus. p.15.
Bren, B.Z., Frishman, M.P. - Cardiovascular system in patients with systemic lupus erythematosus. p.19.
Samtsov, V.I. - Subcorneal pustular dermatosis (Sneddon-Wilkinson disease). p.22.
Grebenkina, E.A. - Subcorneal pustular dermatosis. p.28.
Mikitin, F.N. - Dynamics of the development of diffuse neurodermatitis p.30.
IUdkina, L.N. - Hypertrophoe neurodermatitis of the genitalia. p.37
Zheliakov, M.M., Sharapova, G.IA. - Treatment of eczema and neurodermatitis with corticosteroid preparations. p.39.
Vinokurov, I.N., Reznikov, E.K., Chernova, P.N. - Meladinine therapy of disseminated forms of vitiligo, and atopecia areata and universalis. p.42.
Kolpikova, G.V. - Microonychoscopy in the diagnosis of onychomycoses. p.46.
Andrianian, G.K. - Experience in the treatment of patients with mycoses of the foot. p.49.
Zherebtsov, L.D. - Histopathology of purpura senilis. p.53.
Kochker, V.I., Potekaev, N.S., Naumushkina, R.Z. - Experience in the study of the complement fixation reaction with toxoplasmosis antigen in patients with neurofibromatosis. p.56.
Gorbulev, S.S. - Seroresistant syphilis. p.58.
Shakhmeister, I.IA., Chertkov, I.L., Karpushkin, V.P. - State of the properdin system in patients with syphilis. p.62.
Batunin, M.P., Berlin, G.A. - Role of mass serological examinations for the detection of latent syphilis. p.66.
Tikhonova, A.IA., Pavlova, V.I. - Wasserman test for sick persons and pregnant women. p 69.
Faer, IU.I., Gol'denberg, M.IU. - Determination of incapacity for work and rational job placement of patients with chronic dermatoses. p.70.

Bogdanova, E.K., Romanova, K.I., Batmanov, E.I. - Incidence of skin diseases in the indigenous population of Nannyskiy District. p.72.
Filatov, G.I. - Fungus diseases in Belgorod Province from 1956 to 1960. p.73.
Karlin, M.I., and others. - Role of public councils in dermatological and venereological outpatient service. p.74.
Skripkin, IU.K., Sharapova, G.IA., Vedrova, I.N. - Treatment of trophic ulcers with cygerol. p.77.
Tadzhibaev, T.T. - Griseofulvin in the treatment of trichomycoses. p.79.
Nurseev, G.G. - Use of a rosin-wax mixture for epilation in trichomycoses. p.80.
Lysaia, M.G. - Experience in the use of fraction 2 of the ASD preparation for external treatment. p.81.
Andreichuk, L.E. - Contact allergic dermatitis in men caused by the use of contraceptives. p.81.
Anton'ev, A.A. - Nikolai Aleksandrovich Torsuev; on his 60th birthday. p.83.
The 75th birthday and the 50th anniversary of medical and scientific work of G.V.Robustov. p.84.
Arkhangel'skii, S. - "Transactions of the Fifth All-Union Congress of Dermatovenereologists." p.86.
Dolgov, A.P. - Review of the collection of scientific papers "Present problems of dermatology and venereology." p.86.
Studnitsin, A.A. - "Pemphigus" by N.D.Sheklakov. p.86.
Smelov, N.S. - "T.P.Pavlov (1860 - 1932) and his school" by S.E.Gorbovitskii, N.A.Torsuev. p.87.
Sukharev, V.I., Budnitskaia, E.V. - Eighth International Cancer Research Congress. p.88.
Obituaries. p.93.
(DNLM)

Vol.37, no 2, Feb. 1963
Table of contents translated
Kalantaevskaia, K.A. - Effect of castration on the regenerative and protective function of the skin in animals p.3.
Pillugina, N.A. - Cutaneous respiration in normal conditions and in some skin diseases. p 7.
Kornienko, Z.A. - Disorders in thermoregulation in patients with lichen ruber planus p.11.
Bolanov, L., Bianov, B., Dimitrova, L. - Clinical aspects and pathogenesis of Gianotti-Crosti syndrome. p.14.
Brezhenko, A.I. - Necrobiosis lipoidica p 17.
Borovskaia, V.G., Petrunin, P.F. - Functional state of the adrenal cortex, content of blood proteins and some other biochemical indices in patients with eczema p.21.
Gabitova, R.G. - Functional state of the liver in some dermatoses following treatment with corticosteroid hormones. p.26.
Studnitsin, A.A., Maslov, P.E. - Some recent data on the use of vitamins in dermatoses. p.31.
Lipskaia, M.I. - Treatment of psoriasis with a complex of vitamins acting on hematopoiesis. p.34.
Akimochkina, R.G. - Influenzal eruptions. p.36.
Khamaganova, A.V., Andriosova, A.A. - Duhring's herpetiform dermatitis and its treatment in children. p.39
Gussein-zade, K.M. - Diffuse infiltrating form of cutaneous leishmaniasis affecting man. p.43.
Furmanov, S.I - Etiology and pathogenesis of dermatoses caused by mosquito bites p.45.
Popov, I.S. - Spontaneous recovery from scalp microsporia caused by Microsporum lanosum. p.48.
Simina, G.A. - Dermatitis caused by poison sumac. p.51.
Gol'denberg, I.S - Fluorescence method of examination in dermatology. p.54.
Ivanov, N.A. - Use of corticosteroids in infectious dermatoses and venereal diseases, a review. p.56.
Alieva, S.G., Abdullaev, A.Kh. - Use of the Treponema immobilization reaction for the diagnosis of syphilis. p.60.
Demicheva, V.I. - Registration and structure of skin diseases in the Crimea from 1950 to 1961. p.66.
Karlin, M.I., and others. - Practice in dispensary treatment of bathhouse workers with epidermophytosis. p.70.
Pototskii, I.I., Kornienko, Z.A. - Life and activities of Professor M.I.Slukovenkov. p.73.
Kaanfopulo, P.I., Stroeva, L.V. - Candidiasis developing during griseofulvin treatment in microsporia. p.77.
Fandeev, L.I., Artem'eva, E.T. - Treatment in mycoses of the scalp with 4% opilin plaster. p.78.
Demenkova, N.V. - Treatment of lupus erythematosus with resochin and saluzide. p.80.
Levin, M.M. - Treatment of chronic ulcers of the lower extremities with ursali ointment derived from Allium ursinum. p.82.
Duk, A.V. - Treatment of myiasis linearis with hyposulfite and hydrochloric acid by the M.P.Dem'lanovich method. p.83.
Komarover, N.E., Ozhelas, E.D., Palkin, A.M. - *Behçet's syndrome; a case report.* p.84.
Khesin, M.I., Melnik, S.M., Kogan, M.S. - Paste for discoloring dyes on the skin. p.86.
Stroeva, L.V. - The antihistaminic preparation pipolfen. p.87.
Skripkin, IU.K., Gol'dberg, D.M., Shenbaum, E.IA. - Treatment of trichomoniasis with trichomocacid. p.87.
Egorov, G., and others. - Abstracts. p.89.
Ovchinnikov, N.M., Leanikov, E.P. - Brief news. p.91.
(DNLM)

15. AGRICULTURE

a. GENERAL

KHLIBOROB UKRAINY [THE FARMER OF THE UKRAINE], Issued by Ministerstvo vyrobnyistva i zahotivel' sil's'kohospodars'kykh produktiv URSR [Ministry of the Production and Procurement of Agricultural Products of the Ukrainian S.S.R.], Kiev, no.10, 1963.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO [COLLECTIVE AND STATE FARM PRODUCTION], Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.], Moscow, no.10, 1963.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO AZERBAIDZHANA [COLLECTIVE AND STATE FARM PRODUCTION OF AZERBAIJAN], Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Azerbaidzhanskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Azerbaijan S.S.R.], Baku, nos. 9-10, Sep.-Oct. 1963. [In Azerbaijani]

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO MOLDAVII [COLLECTIVE AND STATE FARM PRODUCTION OF MOLDAVIA], Issued by Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Moldavskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Moldavian S.S.R.], Kishinev, vol.8, nos.8-9, Aug.-Sep. 1963.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO TADZHIKISTANA [COLLECTIVE AND STATE FARM PRODUCTION OF TAJIKISTAN], Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Tadzhikskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Tajik S.S.R.], Dushanbe, vol.17, no.10, Oct. 1963.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO UZBEKISTANA [COLLECTIVE AND STATE FARM PRODUCTION OF UZBEKISTAN], Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Uzbekskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Uzbek S.S.R.], Tashkent, vol.24, nos.8-9, Aug.-Sep. 1963.

KRESTIANKA [THE PEASANT WOMAN], Published by Izd-vo [Publishing house] "Pravda," Moscow, vol.42, nos.10-11, Oct.-Nov. 1963.

MEKHANIZATSIIA SIL'S'KOHO HOSPODARSTVA [MECHANIZATION OF AGRICULTURE] Organ of Ministerstvo sil's'koho hospodarstva URSR [Ministry of Agriculture of the Ukrainian S.S.R.] Kiev, vol 14, no 4(160), Apr. 1963.

Table of contents translated:
Editorial: Toward new labor achievements! p.1.
Cherkovs'ka, IE,A. - Twenty years on a tractor. p.3.
Cholavin, H.I. - Let new beacons light! p.4.
Chylin, V.S. - High output of each unit. p.4.
Davydenko, M.O. - Introducing over-all maintenance and repair of the machinery and tractor pool on collective farms. p.6.
Zhukov, I.P. - Effectiveness of spiked disks in the tillage of corn fields. p.8.
Tkachenko, O.IU., Petrenko, M.P. - Advanced technology for sugar beet growing. p.9.
Kozyriev, M.M., Makaruk, I.F. - Efficient aggregation of soil cultivating and sowing machines. p.11.
Pysanko, S.P., Murhia-Eloisa, N.A., Verkhovs'kyi, V.M. - Using hydraulic drills in growing farm crops. p.13.
Babiu, P.T., Savich, P.V. - A new method for the placement of herbicides. p.15.
Kulov, O.F. - Increase the productivity of field work. p.16.
Kovalenko, M. - For independent tractor brigades. p.18.
Okhrimenko, O.F. - Our remarks. p.18.
Onyshchenko, V.H. - Wholesale prices are not necessary. p.19.
Aver'ianov, V.H. - Welding truck parts with natural gas. p.20.
Tiutiunnik, S.H. - In the Chernobyl' Repair Shop. p.21.
Kharchenko, V.S., Okhmush, M.IE. - Mechanizing the processing of corncobs for cattle feeding. p.23.
Soshko, I.S. - Comparative effectiveness of milking parlors. p.26.
Solomakhin, A.P. - The SKN-6 seedling planting machine. p.28.
Stepanenko, A.N. - How to build a field camp for a tractor brigade. p.29.
Ilovorushchenko, N.IA., Klymets', B.I. - A manual on the operation of motortrucks. p.32.
Approved for manufacture. pp.5, 11.
Abroad. p.32.

Vol.14, no.5(161), May 1963.

Table of contents translated:
Editorial: On the busy spring days. p.1.
Shiller, L.I. - Corn is our wealth. p.3.
Pol'ovyi, IU.M. - Carry out the intertillage of corn on time and efficiently. p.4.
Morenets', O.V. - They harvested vetch mixtures by the continuous method. p.5.
Shapovalov, P.T., Zelins'kyi, A.A., Kutsuruba, M.V. - Proper care, large crops. p.6.
Kryvitsun, I.P. - Pick-up baler operates without wire. p.6.
Polupanov, F.P. - For perfect technology in the maintenance and care of agricultural machinery. p.8.

Mashkevich, IA.A. - Mechanized filling of orchard sprayers. p.11
Ivanko, B.V. - How to mechanize the whitening of the roofs of greenhouses. p.13.
Kovalyuk, P.F. - Made by skilful rural workers. p.14.
Obolyanko, V.V. - Frame for the attachment of harrows. p.16.
Bilyk, P.H. - Repairing milking pails. p.16
Perevoshch, D.S. - How to make a crankshaft for a reed board of a straw baler. p.17.
Dobrovolin, V.S. - Planning the volume of work and costs in overall maintenance and repair of a machine- and tractor pool. p.18.
Zal'tsman, I.N. - Establishing norms for ploughing and intertillage. p.20.
Bondo, O.S. - A feed kitchen for each swine farm. p.22.
Synivs'kyi, V.M. - Automatic control of feed distribution. p.23.
Rafushkin, M. - Apparatus for cutting and bending glass pipes. p.25.
Yaroslavtsev, N.M. - Specialization of workshops in repairing tractors of a particular type. p.26.
Marchuk, A.P. - Machine for riveting frames. p.28.
Volovik, B.B. - The AP 50-3MT automatic switchgear. p.29.
Lisovets, M.D. - Standard designs of collective farm workshops. p.31.
Approved for manufacture. pp.10, 12, 24.

MOSCOW MOSKOVSKAIA SEL'SKOKHOZIAISTVENNAIA AKADEMIIA IM TIMIRIAZEVA Izvestiia [TIMIRIAZEV AGRICULTURAL ACADEMY OF MOSCOW. Bulletin] No.2(51), 1963.

Table of contents translated

Luk'ianiuk, V.I., Vasilenko, I.I - Effect of high fertilizing rates on the formation and performance of the photosynthetic apparatus in winter wheat plants. p.7.
Malsurian, N.A., Polukhina, I.N - Effect of gibberellin on the annual and perennial alkaloid-free lupines. p.19.
Belikov, P.S., Gei, B.A. - Discharge of substances from wheat leaves under increased dehydration as related to time. p.29.
Makarov, A.A., Makarova, T.V. - Producing heterotic tomato seeds without castration. p.34.
D'iakov, IU.T. - Adaptation of the pathogen of potato late blight to copper acetate p.39
Peterburskii, A.V., Korchagina, IU.I - Plant assimilation of ammonia nitrogen in connection with its exchange absorption and fixation by soil p.47.
Kolpenskaya, N.P., Rostovtseva, O.S - Relation of some soil characteristics in western areas of the Moscow region to parent materials and the geomorphologic structure of the area. p.62.
Popazov, D.I., Gorelkov, D.I. - Characteristics of soils in the beech belt on the northern slope of the Stara Planina mountain range. p.72.
Kolesnikov, V.A. - Extent and distribution of the apple root system as related to various factors. p.85.
Timofeev, V.P. - Role of trees of various growth classes in the formation of productive forest plantations p.101.
Martiugin, D.D. - Planning milk yields on large farms. p.119.
Kairis, A.S. - Protein rates for fattening swine. p.131.
Sergeev, IA.A. - Dietetic properties of some feeds and rations for cattle. p.141.
Nazarov, G.I., Simonenko, A.S. - Method for calculating the flywheel mass of a diesel generator aggregate in independent rural electric power generators operating under sharp changes of loads. p.155.
Preobrazhenskii, N.I, Komanov, L.I. - Increasing the service reliability of a transistorized contactless position pickup. 166.
Van Mao-khua [Wang Mao-hua] - Operating conditions of the electric drive of a lightweight rope-haulage plowing unit. p.173.
Aver'ianov, S.F., Rustamov, G.G. - Calculations for combined drainage systems fed under pressure. p.178.
Vasil'eva, I.A. - Hydrotechnical calculations for conjugating structures. p.191.
Bryzgalov, S.A. - Lateral compression of the flow in a water intake. p.198.
Nikiforov, M.A., Fudina, A.V. - Production of vegetables and potatoes on specialized state farms in Moscow Province. p.204.
Rachinskii, V.V. - Effect of temperature on the uptake of mineral substances by plants. p.213.
Atabekova, A.I., Lin TSzian-sin [Ling Chiang-hsing] - Comparative embryological studies on the genus Lupinus (Tourn.) L. p.219.
Grechin, I.P., Emel'ianov, V.A., Zinkevich, V.E. - Observing soil moisture by the gamma-spectroscopic method using the M-30 radiometric apparatus. p.222.
Amer, A.V. - Calculating shore drainage in controlling the flooding of irrigated lands. p.226.
In the Scientific Council of the Academy. p.232.

POCHVOVEDENIE [SOIL SCIENCE]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no.9, Aug. [i.e. Sep.], 1963.

Table of contents translated

Avdonin, N.S., Steslkina, V.I - Effect and after-effect of various amounts of lime on changes in the properties of soil, yield, and quality of farm plants p.1
Grigorian, G.K., Aslanian, V.E - Effectiveness of various forms of phosphorus fertilizers applied to corn and potatoes on podzolized Chernozems in Armenia p.8
Nikitskina, P.I. - Effect of prolonged application of organic and mineral fertilizers on the availability of trace elements in the soil. p.13.
Bobritskaia, M.A - Penetration of nitrogen into soil with precipitation and its removal from the soil with lysimeter water p.21.
Dolotov, V.A - Studying soil formation of arable lands in the east of the Russian Plain. p.31.
Bolyshev, N.N. - "Dzharyk" soils p.39.
Morozova, T.D - Micromorphological studies on fossil soils. p.49.
Korina, N.A, Faustova, M.A. - Microstructure of glacial deposits. p.57.
Tikhonov, V.I - Characteristics of the effect of larch on the mountain Podzolic soils in the Urals. p.66.
Stepanets, I.T. - Effect of forest stands on changes in the physical and chemical properties of dark Chestnut soils in western Kazakhstan. p.75
Pekatoros, L.G - Soil improvement characteristics of the floodland of the Ingul River within the Black Sea Lowland. p.85.
Chernova, N.M. - Zoological processes in the maturing of peat-manure composts. p.95
Afanas'ev, N.I. - Grouping soils according to productivity and recommendations for their efficient use in the U.S.A. p.103
Nikanor Ivanovich Allamovskii, obituary. p.111
Ivan Pavlovich Serdobol'skii; obituary. p.112.
Bibliography p.113

REFERATIVNYI ZHURNAL: POCHVOVEDENIE (Otdel'nyi vypusk 57) [JOURNAL OF ABSTRACTS: SOIL SCIENCE (Separate Issue 57)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.20, Oct. 1963.

SEL'SKOE KHOZIAISTVO; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [AGRICULTURE; Classed Index of Articles in Foreign Periodicals]. Issued by TSentral'naia nauchnaia sel'skokhoziaistvennaia biblioteka i Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury [Central Agricultural Library and the All-Union State Library of Foreign Literature]. Moscow, no.7(95), 1963.

SEL'SKOE KHOZIAISTVO BELORUSSII [AGRICULTURE OF WHITE RUSSIA]. Issued by Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Belorusskoi SSR [Ministry of the Production and Procurement of Agricultural Products of the White Russian S.S.R.]. Minsk, vol.11, nos.15(135)-16(136), Aug. 1963.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SEVERNOGO KAVKAZA I TsChO [AGRICULTURAL PRODUCTION OF THE NORTHERN CAUCASUS AND THE CENTRAL CHERNOZEM REGION]. Organ of Ministerstvo proizvodstva i zagotovok sel'khozproduktov RSFSR and Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of the Production and Procurement of Agricultural Products of the R.S.F.S.R. and the Ministry of Agriculture of the R.S.F.S.R.]. Krasnodar, vol.1, no.10, Oct. 1963.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SIBIRI I DAL'NEGO VOSTOKA [AGRICULTURAL PRODUCTION OF SIBERIA AND THE FAR EAST]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR and Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of the Production and Procurement of Agricultural Products of the R.S.F.S.R. and the Ministry of Agriculture of the R.S.F.S.R.]. Omsk, no.10, Oct. 1963.

SOTSIALISTLIK POLLUMAJANDUS [SOCIALIST AGRICULTURE]. Issued by Eesti NSV Pollumajandusnaaduste Tootmise ja Varumise Ministeerium [Ministry of the Production and Procurement of Agricultural Products of the Estonian S.S.R.]. Tallinn, vol.18, no.20, Oct. 1963. [In Estonian]

TEKHNIKA V SEL'SKOM KHOZIAISTVE [MACHINERY IN AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.23, no.2, Feb. 1963.

Table of contents translated.

For a high level of compulsory education. p.1.
Leskov, IU. - In a leading region. p.4.
Surin, V. - Performance of reapers and combines in pea harvesting. p.7.
Khvylia, K. - Growing sugar beets with 70 cm interrows. p.10.
Vysotskii, P. - Applying farm manure simultaneously with mineral fertilizers p.12
Ozols, IA. - Regulating the rates of the distribution of liquid manure. p.13.
Matiuto, N., Valuev, V. - Preparing peat and manure for composting. p.16
Shapovalov, K. - "Omichka" type arrangement of the milking parlours. p.18.
Zabava, V. - The Siberian "carrousel." p.21
Averbukh, S., Piskorskii, K. - Circular boxes for fattening swine. p.25.
Khasiev, T. - Design of a pasteurizer for dairy farms p.26.
Naurzbaev, S., Balbal'sinov, K. - Distribution of coarse feeds. p.31
Kononov, B. - Egg collecting line in large poultry houses. p.33.
Skotnikov, V., Petrovich, D - Prospective machines for draining and reclaiming swamps. p.36.
Kiylov, IU., Gorlov, V., Korshikov, A. - Mounted ditcher turning the soil to one side. p.41
Muslnov, L. - New envelope harvesting combine p.45.
Pugachov, V., Bykov, V. - Planter-cultivator with vibrating furrow openers. p.48.
Serov, A. - Mechanized fueling and heating unit p.51.
Basin, V., Kolesnikov, N., Sukochev, V. - Seeding row crops with the SKRN-12 planter. p.54
Stradymov, F., Dzidzishvili, V. - Wear resistance of parts of the D-54 hopped-up engines. p.57
Gersh, G. - Starting carburetor engines on gasoline with the addition of oil. p.58.
Gusarov, N. - Stand for running in the KU-2A and SK-2, 6 combines. p.60.
Voronov, P., - Polishing crankshaft journals p.62
Bitsadze, D., Ul'man, I. - Effect of the coefficient of build-up welding with a weaving arc on the strength of parts. p.67.
Legotin, IU. - Boring holes in the body of the gear shift box. p.69.
Golubov, G. - Improving the regulation of furrow p.71.
Nastenko, N., Vasilenko, I. - Automatic devices for driving a sugar beet combine. p.73.
Levchenko, N., Mironiuk, S. - Plow bottoms with screw moldboards. p.76.
Dagis, Z. - Dismountable nozzles for chaff blowers p.79.
Muzlaev, I., Alad'ev, A. - Repairing the bottom of a planter. p.79.
Kononov, A. - How to make a reverse shaft. p.80
Speransov, N. - Should it be done this way? p.81.
Gorinskii, V. - Wind motors in the agriculture of France. p.82.
Review of the articles published in the periodical "Sel'skoe khoziaistvo za rubezhom." p.84.
Ermakov, I. - Materials for repairing tires and for their expenditure. p.86.
Melamed, M. - A necessary textbook. p.90.
From the pages of agricultural journals. p.91.

Vol.23, no.3, Mar. 1963.

Table of contents translated

Improve the system of maintenance. p.1.
Leskov, IU. - A searcher. p.5.
Akhmedzhanov, M., Kim, G. - Surface tillage and sowing. p.8.
Lashnev, V. - Preparing peat-mineral-manure fertilizers. p.10.
Chugunov, A. - Performance of machines in forage bean harvesting. p.14.
IUrchenko, G. - In the livestock section of the "Ermoga" State Farm. p.17.
Golovanev, V. - Mounted pick-up loader. p.20.
All-Union contest for working out a better design of the carrousel-type circular conveyor arrangement for milking parlors. p.23.
Petinkh, IA. - Mechanism for removing boulders p.25.
IUzhakov, A. - Signalling by telephone lines. p.27
Kondrat'ev, M. - Precast reinforced concrete foundation for the KTP-56 transformer station. p.31
Gorozhankin, V. - Gearbox, rear axle, and final drive of the DT-75 tractor. p.33.
Fribus, V. - The PPG5-35 plow. p.39.
Zhivotko, B., Logvinovich, I. - Vibration loaders. p.42.
Kobchenko, N. - Driving tractors by a sighting line. p.44.
Mikhailenko, E., Mertsedin, R. - Sowing flax with the SUB-48-drill. p.47.
Vilkatser, M. - Seeding apparatus of the SL-1 planter p.49.
Basin, V., Kolesnikov, N. - Modernization of the SKRN-12A planter. p.51.
Gibert, A. - Improvement of the SGU-2 stand. p.54
Shapovalov, A. - Automatic coupler for transporting trucks. p.64.
Ogryzkov, E., and others. - Economic aspects of plowing at regular and increased speeds. p.57
Semin, A., Gorovoi, M. - Work at increased speeds p.58.

Put into practice advanced methods! p.59.
Levitskii L., and others. - Evaluating the needs of specialized repairing enterprises p.61
Ermakov, I. - Repairing tires by fastening a new tread. p 63
Nikulin, V. - Utilization of worn-out bearing bushes of the GAZ-51 engine p.66.
TSygankov, I - Repairing based on a year-round schedule. p.68.
IAkimenko, S - Who will operate reserve tractors? p.69.
Zlochevskii, O. - Conveyor operates safely. p.69.
Basov, A., Lukienko, T. - Cleaning and grading small seeds in the field of a corona discharge. p.70.
Rychev, V. - Hydropneumatic starter. p.72.
Pokkine, K. - Determining defects in the lubrication system of tractor engines p.74.
Onishchenko, A. - Repairing the distributor cap and supports of tractor engines. p.74.
Gusarov, N. - Attachment to the KKKh-3 combine for work in weedy field plots. p 75.
Negrutsa, I. - How to drill the bracket of a guide wheel. p.75.
Pekh, I. - Repairing the running gear of the E-352 excavator. p.76
Perfilin, IU - It is necessary to improve the SKPR-3 combine. p 77
Karsaev, M - A seed separator is necessary. p.78.
Skriabin, K. - The "herringbone" arrangement for milking parlors of the Voronezh Economic Council p.78.
Mechanization of kidney bean harvesting in the U.S.A p.79
Harvesting select kidney bean seed in the German Democratic Republic p.81
Penkin, M. - Design characteristics of the new Soviet tractors. p.83.
Semenov, V. - Hydraulic suspension systems of tractors for single machines or aggregates. p.86.
Kondrat'ev, M. - Improve the quality of placards p.90
From the pages of agricultural journals. p.91
New books. p.93

VESTNIK SEL'SKOKHOZIAISTVENNOI NAUKI [REVIEW OF AGRICULTURAL SCIENCE] Issued by Ministerstvo sel'skogo khoziaistva Kazakhskoi SSR [Ministry of Agriculture of the Kazakh S.S.R.] Alma-Ata, vol 6, no 7, July 1963

Table of contents translated:

Baranovskii, P.M., Garms, E.I. - Biochemical basis of heterosis. p.3.
Nechiporenko, N.A., Drachkova, L.I - Chemical composition and quality of monospermous sugar beets. p.6.
Imangaziev, K.I., Aitbaev, M. - Effect of fertilizers on the yield of rice in Kzyl-Orda Province. p.13.
Boiarovich, N.M. - Duration of flowering and ripening of corn ears as related to irrigation. p.20.
Darkanbaev, T.B., Kalekenov, Zh. - Effect of boron, copper, and manganese on some physiological and biochemical processes and the yield of tobacco. p.26.
Bairakimov, S.I. - Sexual hybridization of genetically remote forms of corn. p 33.
IAkovlev, A.G. - Some morphological characteristics of the crosses of Red Steppe and Hereford cattle. p.38.
Khomiakova, E V. - Substitutes for milk in rations for milk-fed calves. p 44.
Aksenmkova, A.D. - Composition of cow milk on the suburban farms of Alma-Ata p.46.
Odarenko, K.I. - Importance of the types of Mycobacterium tuberculosis in Kazakhstan. p.53.
Karpukhin, I.I. - Chemical prevention of Hemosporidia infections in cattle in southern Kazakhstan. p.64.
Ramazanov, V.T. - Testing the scolex precipitation reaction in echinococcosis of farm animals. p.69.
Gleiberzon, D.A., Gribanovskii, A.P. - The RN-2 subsoiler. p.73.
Shevchenko, A.D. - Effect of the habitat conditions of Schrenk spruce on the physical and mechanical properties of wood. p.80.
Kirillov, V.P. - Biological method for controlling the pine moth Dendrolimus pini in the strip pine forests of Semipalatinsk Province. p.83.
Kulenova, S.K. - Materials on the fauna and biology of the insect pests of Anabasis aphylla. p.87.
(DNAL)

Vol. 6, no. 8, Aug. 1963.

Table of contents translated:

Abdullin, V.A. - Economic accountability on farms and material stimulation in sheep raising. p.3.
Govar, M.A. - Consolidated shepherd brigade as an important condition for the development of sheep raising. p.9.
Legantsova, N.I. - Efficient organization of work in sheep raising. p.16.
Protasov, A.N. - Row crop cultivation and shelterbelt forestry. p.24.
Boiarovich, N.M. - Duration of flowering and ripening of corn ears as related to irrigation. p.28.
Murzamadieva, M.A. - Water balance of millet in the dry steppe zone of Aktyubinsk Province. p.35.
Chebotov, E.F. - Using the early maturing meat-type medium-fine wool sheep of the new Hampshire strain for increasing the production of lamb. p 44.
Balanina, O.V., Shchel'nov, N P , Levina, L.I. - Judging the australorp and Rhode Island chickens raised in southeastern Kazakhstan p.50
Chubis, A.I , Kanyshanskii, IA.S. - Effect of dairy products on the intestinal helminths in swine. p.59
Pugal, B.N. - Investigating the methods for chemical prevention of ascariasis in chicks p 65
Mineev, V.V. - Testing arecoline, kamala, and filixan for the prophylaxis of cestodiasis in ducks p.71.
Kravchenko, V.I. - Mobile unit for determining the density and moisture of soil by the gamma and neutron methods. p.76.
Gershunov, E.V - Some problems of the irrigation technique in the foothills of Kazakhstan. p.84
Antiopov, F.T. - Substituting the queen bee according to Filatov's method p.92.
Dzhiembaev, Zh T. - Fourth Coordinating Conference on Plant Protection in Kazakhstan. p.95.
(DNAL)

VESTNIK SEL'SKOKHOZIAISTVENNOI NAUKI [REVIEW OF AGRICULTURAL SCIENCE] Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol 8, no. 3, Mar 1963

Table of contents translated:

Foreword, p.3.
Toward new achievements in biological science. p.3.
Scientific conference on problems in controlled heredity of farm crops. p.8.
Varuntsian, I.S. - Tasks of the Scientific Conference on Controlled Heredity of Farm Crops. p.11.
Avakian, A.A. - Controlled transformation of hereditary winter varieties into spring varieties and vice versa. p.13.
Musilko, A.S. - Controlling the heredity in corn breeding. p.16.
Remeslo, V.N. - Developing winter wheat varieties by conditioning. p.24.
Zagrubailo, T.IA. - Controlled transformation of heredity in plants and hybridization. p.29
Khitrinskii, V F. - Controlled transformation of poorly wintering durum wheat, peas, and distichous barley into winter-hardy varieties. p.31.
Vaforov, A.M. - Possibilities of controlled development of new forms in intervarietal potato hybrids. p.34.
Rabinovich, V.M. - Transforming the strain qualities of perennial leguminous grasses sown in summer as a method for developing winter-hardy varieties. p.39.
Panchenko, N.P. - Significance of light at temperatures below freezing point in increasing the frost resistance of wheat. p.38.
Shchelokova, Z.I. - Directed conditioning of corn for cold resistance. p.41.
Shain, S S. - Controlled transformation of heredity in plants under the effect of light conditions. p.42.
Kichigin, A.A. - Developing winter wheat from spring wheat for northern regions. p.46.
Glukhikh, K.A. - Transforming spring wheat into winter wheat. p.40.
Fedotov, F.IA. - Change of the biological and economic characters in winter wheat varieties during their transformation into spring varieties. p.50.
Vysokos, G.P. - Developing varieties of spring crops by directed conditioning. p.53.
Maksimenko, V.P. - Observations on winter wheat sown in winter. p.56.
Varfolomeeva, A.M. - Results of transforming spring wheat into winter wheat. p.57.
Dokuchaeva, E.N. - Effectiveness of applying trolled methods of developing new grape in the southern Ukraine. p.60
Batygin, N.F. - Using ionizing radiation t controlled transformations. p.62.
Zelenskii, M.A. - Developing a double-ba variety. p.61.
Bogomiagkov, S.T. - Transforming the he wheat by directed conditioning. p.65.
Lysenko, O.T. - Characteristics of the tr tion of spring forms into winter forms versa. p.67.
Topornina, N.A. - Characteristics of the of new forms obtained from winter whe
Trukhinova, A.T. - Transforming spring winter wheat in Moscow Province. p.7
Karapetian, V.K. - Transforming poorly v winter wheats into winter-hardy varieti
Latypov, A.Z. - Biological and economic istics of new forms of winter wheats de transforming spring varieties. p.77.
Nechiporchuk, I.D. - Transforming winter directed conditioning of plants with loos ty. p.79.
Driga, I.E. - Transforming spring wheats yielding winter forms. p.81.
Kravchenko, M.L. - Controlled transform heredity as a method for developing par al in breeding winter wheats. p.82.
Orlov, V.N. - Developing winter-hardy winter wheats and cold-resistant corn. p.86.
Abdullaev, I.K. - Role of some physicochemical factors in controlled transformation of heredity in the mulberry p.88.
IAdilov, A.A - Ways for developing new almond varieties in Tadzhikistan. p.89
Tcicrev, F.K. - Change of sex in plants under the effect of external conditions. p.91.
Dan'shin, T.E. - Effect of soil composition on the development of the traits of winter-hardiness in winter wheat. p.93.
Kisliuk, M.M. - Developing cold resistance and early ripening in cereals. p.95.
Turov, G.S - Effectiveness of hybridization and the transmission of parent characters to the progeny from breeding material grown under various conditions. p.97.
Timofeev, B.T. - Using variable temperatures in the breeding of naked barley. p 100.
Moskov, B S. - Significance of controlled conditions for determining the potential yields of plants. p.102.
Shulyndin, A.F. - Role of individual hereditary properties of parent forms in the controlled transformation of the nature of plants. p.104.
Sobolev, N.A. - Controlled variability of wheat induced by the culture of isolated embryos. p.106.
IAkubtainer, M.M. - Intravarietal selection as a way for controlling the heredity of plants. p.109.
Belizin, A.P. - Practical results of a new method for developing early ripening food varieties of corn. p.111.
Goncharov, P.L. - Shortened daylight periods in growing foxtail millet as a method for developing early ripening varieties. p.113.
Elsukov, M.P. - Transforming spring-type forage peas into a winter variety p.115.
Fainbion, B.D. - Obtaining diversified forms of plants by sowing unripe seeds. p.116.
Zakladnyi, G.A. - Some problems in controlled transformation of heredity in millet. p.119.
IUshenkova, N.P. - Change of the biological characters of forage peas during their transformation from spring type into a winter variety. p.120.
Zhdanov, L.A. - Present achievements of the study and further development of additional pollination with foreign pollen in sunflower breeding. p.122.
Morozov, V.K. - Effect of pinching off the heads and shading the plant at an early age on the absolute weight of sunflower achenes. p.125.
Maksimenko, I.K. - Controlled transformation of heredity in fine-fiber cotton p.126.
Sadykov, S.S. - Role of the temperature and light factors in the transformation of the nature of cotton. p.128.
Arinshtein, A.I. - Controlled transformation of sex in hemp. p.131.
Voskresenskaia, G.V. - Effectiveness of controlled selection in hybrid populations of Indian mustard bred for the content of allyl oil in seeds. p.133.
Arutiunova, L.G. - Controlling the heredity of cotton by graft-hybridization. p.135.
Kuz'min, V.P. - Controlled transformation of heredity in field crops in the Virgin Territory. p.136.
Nemchin, F.I. - Preventing degeneration and increasing the yield of potatoes in southern regions. p.138.
Orlovskii, N.I. - Role of the growing conditions in sugar beet breeding and seed production. p 140
Petrakhilev, I.M. - Obtaining economically valuable raspberry hybrids by the method of remote hybridization. p.141.
Makovskii, E. - Possibilities of biochemical investigations in vegetative hybridization of plants. p.149.
Maksimenko, V.P. - Results of the creative ties of [illegible]

Bykhun, V. V. - Efficient use of fertilizers in Ivano-Frankovsk Province. p. 56
Stafichuk, A. O., Shustov, I. M., Vol', N. O. - Composition and nutritive value of corn in the central steppe of the Ukraine. p. 62
Mikhalovskyi, A. H., Hudz', V. P. - Effectiveness of mixed corn and forage bean plantations. p. 65
Berezovskii, H. A. - Fiftieth anniversary of the Crimean Fruit Culture Experiment Station. p. 68
Kalinicheva, N. I. - Growing potatoes in peat soils as a means of controlling their degeneration. p. 77
Baryl'nyk, I. H. - Practices in organizing the reclamation of the Ingulets irrigation area. p. 83.
Zinerberg, M. S. - Using slotted gates as watermeters in irrigation canals. p. 87
Karpat', M. M. - Efficient use of sugar beets in feeding swine. p. 90
Hertsen, E. I. - Vitamin A value of milk as related to cow feeding. p. 93
Sokolyuk, F. O., Barysh, N. K., Prymich, I. S. - Coop and pasture system of keeping hens. p. 99
Salii, O. P., and others. - Chemical purification of the foot-and-mouth disease virus by organic solvents. p. 101.
Scholin, M. M. - Studying the etiology and methods for the diagnosis of infectious gastroenteritis in swine. p. 108
Mal'tsev, I. F. - Thiabendol, a new preparation Conveyor injector for swine feeding. p. 112
Balii, O. O. - Scientific conference on the efficient size of collective farms in the Ukrainian S.S.R. p. 113
Leshchenko, V. T. - Seminar on the increase of the butterfat content of cow milk. p. 116
Zhermakal, I. P. - Over-all mechanization of work in cattle farms. p. 119.
Kapitanchuk, V. A. - Seminar on the exchange of experience. p. 121.
New books. p. 122
Hlarion Berent'evich Os'mak, obituary. p. 124

ZEMES UKIS [AGRICULTURE], Issued by Lietuvos TSR Zemes ukio produktu gamybos ir paruosu ministerija [Ministry for the Production and Procurement of Agricultural Products of the Lithuanian S.S.R.]. Vilnius, no. 9, Sep. 1963. (In Lithuanian)

6 ANIMAL INDUSTRY

MOLOCHNAIA PROMYSHLENNOST' [DAIRY INDUSTRY]. Issued by Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 24, no. 11, Nov. 1963.

MOSCOW. VSEROSSIISKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PRUDOVOGO RYBNOGO KHOZIAISTVA. Trudy [ALL-RUSSIAN SCIENTIFIC RESEARCH INSTITUTE OF POND FISHERIES. Transactions]. Vol. 8, 1956. Puti povysheniia effektivnosti prudovogo rybovodstva [Methods for increasing the efficiency of pond fish culture].

Table of contents translated

Il'in, V.M., and others - Fertilization of rearing ponds. p. 3
Il'in, V.M., and others - Effect of mineral and organic fertilizers on the productivity of fattening and rearing ponds. p. 33.
Il'in, V.M., and others - Feeding fish in fertilized ponds. p. 86.
Kudzevich, G.V. - Early spawning and prolongation of [illegible]
[illegible], A.I. - Feeding rainbow trout with industrial waste. p. 190.
Brudastova, M.A., - Extending the service time of hydraulic structures on pond fish farms. p. 198.
Brudastova, M.A. - Construction of bottom floodgates on pond fish farms. p. 202.
Akhmerov, A.Kh. - Parasites of the Amur wild carp and their epizootic significance. p. 206.
Akhmerov, A.Kh., Bogdanova, E.A. - Simplified method for producing permanent microscope preparations of monogenean trematodes. p. 219.
Mikheev, P.V., *Meisner, E.V.* - Rearing young valuable fishes in a reservoir bay adapted for fish culture. p. 221.
Prokhorova, K.P. - Causes of a smaller catch of bream in the Moscow Sea. p. 259.
Meisner, E.V. - Effect of water exchange on the habitat and food supply in reservoirs. p. 263.
Gordon, L.M. - Methods for improving the use of basic funds on pond fish farms. p. 269.

OVTSEVODSTVO [SHEEP BREEDING], *Issued by Ministerstvo sel'skogo khoziaistva SSSR* [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 7, nos. 1-5, 7-9, Jan.-May, July-Sep. 1961.
(DNAL)

PIGA. LATVIJAS LOPKOPIBAS UN VETERINARIJAS ZINATNISKI PETNIECISKA INSTITUTS. Raksti. Trudy Latviiskogo nauchno-issledovatel'skogo instituta zhivotnovodstva i veterinarii [LATVIAN SCIENTIFIC RESEARCH INSTITUTE OF ANIMAL HUSBANDRY AND VETERINARY MEDICINE. Transactions]. Vol. 9, 1958.

TIFLIS. GRUZINSKII ZOOTEKHNICHESKO-VETERINARNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Sbornik trudov [GEORGIAN ZOOTECHNICAL AND VETERINARY SCIENTIFIC RESEARCH INSTITUTE. Papers]. Vol. 32, 1961.

Table of contents translated.

Erkomaishvili, S.K. - Improvement of the protein balance in the feed supply of the Republic. p. 3.
Kumsishvili, V.G., and others - Organizing efficient sheep farming on the Krtsanisskyi State Farm. p. 21.
Mamatelashvili, V.G. - Pathomorphological changes in lambs with dysentery. p. 37.
Chkhartishvili, Sh.E. - Columnar cells of the oviduct epithelium in farm animals. p. 45.
Chkhartishvili, Sh.E. - Comparative embryogenesis of the ovaries in some farm animals. p. 59.
Pantskhava, A.D., Chkheidze, T.V., Barnabishvili, N.Z. - Effect of Galega orientalis on the process of lactation. p. 77.
Dzhanshiia, Kh.T. - Treatment and prophylaxis of *"khatili."* p. 85.
Kvachadze, I.S. - Laryngeal nerves in swine. p. 101.
Matikashvili, I.L., Gelovani, D.M., Arabian, A. - Treatment of cattle diseases caused by Francaiolla colchica, Jakimoff, 1927 and Anaplasma marginale Theiler, 1911. p. 109.
Burtikashvili, P.S. - Buffaloes as carriers of paratyphoid bacteria. p. 115.
Burtikashvili, P.S., Makharadze, A.G., Useinashvili, E.S. - Detecting the meat of sick and dead animals at meat inspection stations. p. 121.
Burtikashvili, P.S., Makharadze, A.G., Useinashvili, E.S. - Determining the freshness of secondary products and their sanitary evaluation. p. 129.
Dachiashvili, A.I. - Effect of intravenous injections of sodium hyposulfite solutions on the morphological blood composition in horses. p. 137.
Pitskhelauri, B.K. - Disturbance of the urine-secreting function of kidneys in sheep in different pathological states of the organism. p. 163.
Chiradze, V.G. - A case of uterus unicornis in a cow. p. 181.
Mshvidobadze, N.A. - Study of the secretion of nectar by basic honey plants and possibilities for its use by bees in the Samgora region, Georgian S.S.R. p. 183.
Zhgenti, V.K., Dzhorbenadze, A.V. - Comparative pathology of tumors in dogs. p. 187.
Piranishvili, N.L. - New method of packing and transporting cheese cured in brine (Tushino, Ossetian, *Kobi, Suluguni* and all types of country cheese). p. 209.
(DNAL)

VETERINARIIA [VETERINARY MEDICINE]. *Organ of Ministerstvo sel'skogo khoziaistva SSSR* [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 39, no. 9, Sep. 1962

Table of contents translated

Sokolov, M.F. - Veterinarians of Tambov Province for the development of animal husbandry. p. 5
[illegible], V.N. - Our experience in animal husbandry. p. 9.
[illegible] - From the work experience of [illegible] on the Morshanskiy State Poultry [illegible]
Epizootiologic role of Salmonella paratyphoid fever of animals.
[illegible], P.S., and others. - Some characteristics of the course of rabies in cattle. p. 20.
Malygin, S.A., Druzhkov, I.D., Smirnov, A.P. - Rabies in cattle. p. 22.
Matusevich, V.F., Fektistov, M.N., Rozhdestvenskii, V.A. - Characteristics of stachybotryotoxicosis in cattle. p. 23.
Gorodovich, N.M. - Prophylaxis of thelaziasis. p. 26.
Meshchaninov, V.P., Enilin, I.IA. - Chlorophos in cattle thelaziasis. p. 27.
Kalinin, V.I. - Treatment of animals with theileriasis. p. 28
Lukashev, I.I., Rotov, V.I., Rozhniatovskaia, O.I. - Detection of Mycobacterium paratuberculosis in the sperm of bulls. p. 29.
Ten, M.P., Krivosheev, V.F. - Vaccination of suckling piglets against hog cholera. p. 31.
Koshevoi, V.A. - Stachybotryotoxicosis in swine. p. 32.
Zhuravlev, V.V. - Aspergillotoxicosis in swine. p. 33.
Plann, O.J. - Effectiveness of piperazine salts in group dehelminthization of swine. p. 34
Shevtsov, I.V. - Treatment of swine in [illegible] phthisis. p. 36.
Timofeev, B.A. - Role of swine in trichomoniasis in epizootiology of cattle trichomoniasis. p. 37
Kotel'nikov, G.A. - Role of wild birds in the [illegible] tion of domestic ducks by helminths. p. 40
Gerasimova, G.N. - Epizootiology of helminthiases in domestic ducks. p. 40.
Ageeva, L.S., Shul'nikov, IA D., Zubkova, E.N. - Testing virus vaccines against Newcastle disease in poultry farms with a year-round system of chick raising. p. 42.
Rusev, Kh. - New vaccine against Newcastle disease. p. 46.
Miklai'skii, G.A., Antonova, M.I. - Effectiveness of antiparatuberculosis vaccines of strains AN-[illegible] p. 47.
Dvotak, M. - Prophylaxis of ascariasis in suckling piglets. p. 50.
Selous'eva, A.M. - High-dispersion emulsion of oil *endomotrin* in cows. p. 53.
Shneider, M.A. - Lymphadenosis in swine. p. 64
Gutsalov, IU.P. - A case of sheep poisoning on Solonchak soils. p. 66.
Busikov, V.G., Zolova, A.S., Ivanov, G.D. - Treatment of dogs with coprostasis. p. 69
Chaikina, O.A., Volobueva, K.A. - Antihelminthic preparation No. 2 for fattening pigs. p. 80.
Presniak, S.I. - Use of antireticulin cytotoxic [illegible] p. 80.
Guselnov, D.IA. - Lactogenic effect of hexestrol. p. 81.
Bessonov, A.S. - Improvement of the method of [illegible] noscopy. p. 82.
Rybaltovskii, O.V., Vladimirova, P.A. - Simple method for trichinoscopy of pork. p. 86.
Mezenev, N.P. - Protecting animals and birds from bloodsucking insects. p. 87.
Uzakov, U.IA. - Ixodid tick control. p. 89.
TSellarius, I.K. - Phase contrast microscopy for *tuberculosis diagnosis*. p. 71.
Arkhangel'skii, I.I., Kanashova, V.M. - Rapid methods for detecting Salmonella in milk. p. 74
Pavlin, P.I. - *Rapid method for detecting* [illegible] in the organs and tissues of dead animals. p. 76
Suntsova, T.S. - Veterinary and sanitary inspection of meat and the hygiene of local slaughterhouses. p. 83.
Tarkhis, M.G. - Russian veterinary medicine in the Patriotic War of 1812. p. 87.
Book reviews and bibliography. p. 91.
Information and brief news. p. 95.
(DNAL)

Vol. 39, no. 11, Nov. 1962.

Table of contents translated

A glorious historical date. p. 5.
Borisovich, F.K. - Correct use of special terms and expressions in literature. p. 9.
TSonov, TS. - Terms for indicating the relation of the number of dead animals to those susceptible and diseased. p. 14.
Dzhupina, S.I. - Propagation of veterinary knowledge. p. 16.
Smilan, IU.P. - Ukrainian Laboratory of Veterinary Bacteriology. p. 18.
Kononiuk, G.IA. - Cattle trichomoniasis control on the farms of Donetsk Province. p. 26.
Ostapets, N.G. - Ridding a farm from infectious gastroenteritis of swine. p. 28.
Uchaev, A.A. - Intrauterine infection of calves and the role of diplococci in the sterility of cattle. p. 30.
Dokudovskii, E.G. - Methods for trichophytosis control. p. 32.
Semenov, M.Z. - Treatment of animals infected with ringworm. p. 36.
Safarov, K.M., Safarov, IU.B. Dzhamshian, S. - Preparation No. 74 for the treatment of calves infected with ringworm. p. 36.
Cheremisin, G.G., Ivanova, L.G., Rastorgueva, O.I. - Immunity of sheep inoculated with strain No. 19 vaccine. p. 37.
Romizov, E.S. - Use of phenothiazine in haemonchosis infection of pregnant sheep. p. 39.
Vodolazhko, I.V. - Treatment of sheep infected with Dictyocaulus. p. 40.
Kobiakova, N.I. - Wild goats and rams in captivity as carriers of coccidiosis. p. 40.
Novikov, V.M., Fortushnyi, V.A., Shullak, V.D. - Treatment of piglets infected with paratyphoid fever. p. 42.
Prokopov, I.P. - Swine influenza control. p. 44.
Antonenko, V.I. - Immunization of pigs against plague and erysipelas by a mixture of two vaccines. p. 46.
Kononov, IU.V. - Infectious atrophic rhinitis in swine. p. 47.
Sabo, A.E. - Chemical prophylaxis and treatment of chicken coccidiosis. p. 48.
Borshosh, A.V., Ilosh, V.V. - Ridding bodies of water from ichthyophthiriasis. p. 50.
Leont'ev, A.I., Dedurin, M.A. - Aujeszky's disease in watchdogs. p. 51.

Shatalov, P.I. - Pregnant mare's blood as a hormone preparation. p.52.
Kashin, A.S., Gusev, I.S. - Production of pregnant mare's serum. p.57.
Reshetniak, V.S., Lebedev, S.I. - Surgical treatment of sterile cows. p.59.
Vinogradov, S.P. - Removal of the placenta in cows. p.60.
Roman'ko, G.K. - Prophylactic measures against noninfectious diseases in lambs. p.61.
Kurnosov, K.M. - Causes of the birth of abnormal, dead and underdeveloped lambs. p.63.
Chingaev, I.F., Gavrilova, O.A. - Application of grisin on collective and state farms of Moscow Province. p.65.
Grezin, V.F., and others. - Effectiveness of colimycin and mycerin in gastrointestinal diseases of calves and piglets. p.67.
Kotenko, I.I. - Antibiotic therapy for young farm animals with salmonellosis and colibacillosis. p.69.
Lochkarev, V.A. - Tetracycline for the treatment of bronchopneumonia in calves. p.72.
Nefed'ev, A.I., Gavrish, N.E., Kollada, V.D. - Producing native antibiotics by open submerged fermentation. p.72.
D'iachenko, V.M. - Bacteriolytic effect of penicillin on the agent of swine erysipelas. p.74.
Kovalenko, IA.R. - African swine fever. p.75.
Sikorskii, A.N. - Veterinary medicine in Siberia during the first years of Soviet rule. p.80.
Book reviews and bibliography. p.83.
In the Ministry of Agriculture of the U.S.S.R. p.88.
In the Soviet Union. p.89.
(DNLM)

ZHIVOTNOVODSTVO [ANIMAL HUSBANDRY]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.24, no.5, May 1962

Table of contents translated:
Let us manage all branches of animal husbandry prudently and economically. p.3.
Zabrodin, M.V. - We are walking toward the cherished goal. p.7.
Shifanov, G.N. - Forage beans in virgin lands. p.10.
Shtan'ko, A.V. - Corn in Karelia. p.13.
Polezhaev, I.A. - Carrots as a valuable forage crop. p.16.
Libershtein, I.I. - Corn as a stubble crop in Moldavia. p.18.
Pliss, D.S. - Economics of secondary crops. p.20.
Aliev, S.Z. - Using the herbicide 2,4-D in pastures. p.23.
Pasechnik, G.I. - Corn silage in summer feeding of cows. p.25.
Semak, I.L., Maksakov, V.IA., Mosolov, N.I. - Summer fattening of young cattle on corn silage. p.29.
Tokarev, F.V. - Ways for developing beef cattle raising in Orenburg Province. p.33.
Kogan, A.IA., Filippov, V.D. - Possibilities for animal husbandry on the "Pobeda" State Farm. p.37.
Grib, N.G. - First results of the introduction of a new animal husbandry system on collective farms. p.43.
Tikhonov, A.V. - Practices in the development of intensive poultry raising. p.46.
Fomina, P.E. - An average yield of 4,640 kilograms of milk with a 4.06 per cent butterfat content of the herd. p.55.
Longinov, N.V. - Improving the Caucasian sheep. p.61.
Ostashko, F.I. - Equipment for semen freezing. p.67.
Smirnov, I.V., Postavnaia, V.I. - New method for determining the resistance of semen. p.70.
Kolnash, V.A. - Simple and reliable devices. p.71.
Slavin, R.M., Vasil'ev, V.G., Gorns'kov, N.I. - Complex of machines for over-all mechanization of large poultry houses. p.74.
Bondarenko, G.A., Pilipenko, A.N. - Put the planning of feed supply on a scientific basis. p.79.
Krivinskii, I.I. - Considering the economic return rate of feed as a factor in breeding work. p.81.
Supplying collective and state farms with instruments and preparations. p.82.
Enlarged Plenum of the Coordination Council of the All-Union Academy of Agricultural Sciences in Orenburg. p.85.
Semenovykh, N.E. - New type of animal feeding. p.86.
Conference of readers of the journal "Zhivotnovodstvo" in the Kuban. p.89.
Stepan, Jozef - The most suitable methods for cattle branding. p.90.
Rozov, N.N. - Sixtieth birthday of Professor A.S. Emel'ianov. p.94.
Solun, A.S. - The most outstanding representative of zootechnicians. p.95.
(DNAL)

c FORESTRY

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Institut lesa i drevesiny. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Institute of Forest and Wood. Transactions]. Krasnoyarsk, vol.65, 1963. Drevesinovedenie i zashchita drevesiny [Study and conservation of wood].

Table of contents translated:
Ivanov, IU.M. - Diffusion into cell walls of wood. p.3.
Bazhenov, V.A., Kharuk, E.V. - Testing the permeability of pine wood to nitrogen and antiseptic solutions. p.20.
Chudinov, B.S. - Averaging the effective thermal coefficients of wood. p.46.
Chudinov, B.S. - Calculating the processes of complete and incomplete defrosting of wood. p.66.
Isaeva, L.N. - Characteristics of the distribution of moisture in various parts of wood of the stem of Siberian pine. p.77.
Klar, G.V., Kytmanov, A.V., Petrova, O.A. - Structure and characteristics of biaxially compressed wood. p.83.
Klar, G.V., Sosnin, M.I. - Wood particle boards of increased strength in the direction of chip orientation. p.91.
Petrenko, I.A. - Interrelations of some species of house fungi in a mixed culture. p.95.
Isaev, A.S. - Chemical control of the stem pests of Dahurian larch. p.105.
Tonkoshtian, L.A. - Anatomic structure of the needles of basic tree species in Krasnoyarsk Territory. p.118.

KHIMKI. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MEKHANIZATSII I ENERGETIKI LESNOI PROMYSHLENNOSTI. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF MECHANIZATION AND USE OF POWER IN LUMBERING. Transactions]. No.40, 1962. Voprosy sozdaniia suchkoreznykh mashin [Problems in the construction of limbing machines].

Table of contents translated:
Drokhsler, M.M. - Automatic following of the trunk form by the working parts of limbing machines. p.3.
Shiptlin, N.A. - Analyzing the performance of the cutters of a rotary head during limbing. p.25.
Vasil'ev, G.M. - Some problems in limbing by rotary cutters. p.55.
Shekalov, E.A. - Mechanizing the taking apart of bundles of tree trunks with crowns. p.71.

LESNAIA PROMYSHLENNOST' [FOREST INDUSTRIES]. Organ of Gosudarstvennyi komitet po lesnoi, tsellulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva lesnoi promyshlennosti i lesnogo khoziaistva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry]. Moscow, vol.40, no.3, Mar. 1962.

Table of contents translated:
Tasks of engineers and technicians in the light of the decisions of the 22d Congress of the CPSU. p.1.
Shavrov, A.M. - Before lumber floating. p.3.
Voronin, M.I., Gabovich, S.A., Zorin, S.P. - Tractors of the Altai Plant. p.7.
Kliuchnikov, V., Barsukov, M. - New semiautomatic line. p.10.
Trukhtenkov, L.V. - Semiautomatic line for firewood sawing. p.12.
Dobrov, A.B. - Amphibious patrol unit for lumber floating. p.14.
Repair of lumbering machinery. p.16.
Solodukhin, M.M. - Resistance to the motion of rafts in rough waters. p.17.
Filimonov, S.S. - Biological drying of larch after felling. p.19.
Mandych, Z.K. - Timber skidding tractor in lumber chuting. p.20.
Koloskov, V.N., Grechin, V.V., Bazunov, G.P. - Mechanizing the unloading and bundling of lumber. p.21.
Starikov, G.F. - A reference book on the evaluation of forests in Sakhalin. p.22.
Benenson, G.M. - Estimating wood waste as a secondary raw material. p.23.
Lur'e, N.A. - Foreign lumber trade of the U.S.S.R. p.25.
Larionov, A.I. - Solve in a comprehensive way the problems of wood technology. p.26.
Shilenko, V.A. - For the specialization of repair enterprises. p.28.
Shershen', F. - We automate the production. p.29.
Islamov, Sh.Sh. - Over-all mechanization of a riparian log dump. p.30.
Deev, B. - Reconditioning a sleeper sawing machine. p.31.
Strashinskii, B.A. - Forest gravel roads in Finland. pp.32, 3 of cover.
New machinery produced by the "Severnyi Kommunar" Plant. p.2 of cover.

Vol.40, no.9, Sep. 1962.
Table of contents translated:
Let's glorify cosmic victories by our earthly deeds. p.1.
Make better use of mechanisms. p.2.
Automatic control at lower landings should operate successfully. p.3.
Zhil'tsov, E.K. - What are the reasons for the failure of a semiautomatic line. p.5.
Pozhidaev, I., Chashchin, V., TSvetkov, V. - Equipment waits for assembling. p.5.
Magdich, K. - Readers' conference in Krasnoyarsk. p.6.
Rakhmanov, S.I. - Characteristics of calculations for the unloading of logs. p.7.
Kovrigin, A.I. - Modernization of the reversing gear of the LM-47 winch. p.10.
Serov, B.V., Shekhter, IA.S. - Automatic meter for calculating the volume of round lumber. p.12.
Mikailov, A.D. - Self-propelled winch. p.14.
Morozov, S. - Preparing and floating larch lumber in the Buryat A.S.S.R. p.15.
Mart'ianov, B.S., Serdechnyi, V.N. - Mechanization of work at a riparian lower landing. p.17.
Reutov, IU. - Mechanization of winter rafting. p.19.
Nesterenko, V.G. - Use of a new technique in winter rafting. p.21.
Balashov, B.I. - The S-80 tractor in winter rafting. p.22.
Pogodin, A.I., Silichev, A.I. - Georgiyevka logging truck road. p.23.
Sergeev, P., Griazin, A. - Experiments in building roads with stabilized coverings. p.24.
Varaksin, F., Kuklin, M. - For uniform calculated prices of waste. p.26.
Rozhin, N.I., Pul'kherovskii, V.A. - Economic possibilities of the use of tractor loaders. p.28.
Ivanov, V.M. - Computing the area of principal yield cuttings. p.31.
Kossel', I.V. - Felling trees with roots. pp.2-3 of cover.

Vol.41, no.6, June 1963.
Table of contents translated:
Akimov, A.I., Novosel'tsev, N.V. - Possibilities of the development of lumbering in heavily forested areas. p.1.
Biro, V. - Remote-patrol rafting in the Kama Basin. p.4.
Ponomarev, M. - How we completed two years' work of rafting. p.7.
Soromotin, I.I. - Transportation of full-length logs by wide-gauge railroads. p.8.
Vasil'ev, B.A., TSinduk, V.I. - Methods for calculating reserve resources of wood. p.9.
Pfir, A.I., Reinas, P.D., Chikov, IA.I. - Simplified cable crane for reserve stacking of full-length logs. p.10.
Cherepanov, A.I., and others. - New means for controlling bloodsucking insects. p.12.
Istomin, G., Sergienko, IU. - New lower timber landing at the Guzeripl' Logging Camp. p.13.
Nekrasov, R., Grubov, S. - TPU-7 units in mountain forests. p.17.
Kirevichev, V. - Science in the service of lumber floating. p.20.
Mel'nikov, V.I. - Pay more attention to the scientific work of the institutions of higher education. p.22.
Kilinkov, A. - Relay channel with two coding groups. p.23.
Gavrilov, I.I., Shatov, I.V. - Reinforced concrete slabs for main truck roads. p.24.
Tanashev, R. - A scientific and technological conference at the Northern Scientific Research Institute of Industry. p.29.

Bykhun, V.V. - Efficient use of fertilizers in Ivano-Frankovsk Province p 56.
Stafiichuk, A.O., Shustova, IA M., Vovk, N.O. - Composition and nutritive value of corn in the central steppe of the Ukraine p 62.
Mykhalevskyi, A. H., Hudz', V P. - Effectiveness of mixed corn and forage bean plantations p. 65
Berezovskyi, H A - Fiftieth anniversary of the Crimean Fruit Culture Experiment Station p 78
Kalleista, H.I - Growing potatoes in peat soils as a means of controlling their degeneration p 77
Barylnyk, T H - Practices in organizing the reclamation of the Ingulets irrigation area. p. 80
Zirenberg, M.S. - Using sluice gates as watermeters in irrigation canals p 87
Karpus', M M - Efficient use of sugar beets in feeding swine p. 90
Hertsen, IF.I. - Vitamin A value of milk as related to cow feeding p 93.
Solnyshov, F O., Barash, N A., Prymich, I S. - Coop and pasture system of keeping hens. p 99
Silin, O P., and others. - Chemical purification of the foot-and-mouth disease virus by organic solvents p 104.
Sobolev, M M - Studying the etiology and methods for the diagnosis of infectious gastroenteritis in swine p. 108
Mal'tseva, I. F. - Thiabenzol, a new preparation. Conveyor injector for swift feeding. p. 112.
Babii, O O - Scientific conference on the efficient size of collective farms in the Ukrainian S.S.R p. 113
Leshchenko, V T. - Seminar on the increase of the butterfat content of cow milk p 116.
Zhernovoi, I P. - Over-all mechanization of work on cattle farms. p 119.
Kapranchuk, V.A. - Seminar on the exchange of experience. p. 121.
New books p 122.
Illarion Tertet'evich Os'mak, obituary. p. 124.

ZEMES UKIS [AGRICULTURE]. Issued by Lietuvos TSR Zemes ukio produktu gamybos ir paruosu ministerija [Ministry for the Production and Procurement of Agricultural Products of the Lithuanian S.S.R.]. Vilnius, no. 9, Sep. 1963. [In Lithuanian]

6 ANIMAL INDUSTRY

MOLOCHNAIA PROMYSHLENNOST' [DAIRY INDUSTRY]. Issued by Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 24, no. 11, Nov. 1963.

MOSCOW. VSEROSSIISKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PRUDOVOGO RYBNOGO KHOZIAISTVA. Trudy [ALL-RUSSIAN SCIENTIFIC RESEARCH INSTITUTE OF POND FISHERIES. Transactions]. Vol. 8, 1956. Puti povysheniia effektivnosti prudovogo rybovodstva [Methods for increasing the efficiency of pond fish culture].

Table of contents translated

Il'in, V.M., and others - Fertilization of rearing ponds. p. 3.
Il'in, V.M., and others - Effect of mineral and organic fertilizers on the productivity of fattening and rearing ponds. p. 33.
Il'in, V.M., and others - Feeding fish in fertilized ponds. p 66.
Kadzevich, G.V. - Early spawning and prolongation of the growing period in carp farming. p. 164.
Sukhoverkhov, F.M., Baienko, A.I., Kuzina, V.I. - Characteristics of the Razumnaya fattening ponds of the Klyuchiki Fish Farm in Belgorod Province as related to soil composition. p. 168.
Sukhoverkhov, F.M., Koroleva, V.M., Pisarenkova, A.S. - Characteristics of the rearing and winter upkeep of sterlet in ponds. p. 180.
Sukhoverkhov, F.M., Afanas'ev, V.Kh., Trofimova, T.I. - Feeding rainbow trout with industrial waste. p. 190.
Brudastova, M.A., - Extending the service time of hydraulic structures on pond fish farms. p. 198.
Brudastova, M.A. - Construction of bottom floodgates on pond fish farms. p. 202.
Akhmerov, A.Kh. - Parasites of the Amur wild carp and their epizootic significance. p. 206.
Akhmerov, A.Kh., Bogdanova, E.A. - Simplified method for producing permanent microscope preparations of monogenean trematodes. p. 219.
Mikheev, P.V., Meisner, E.V. - Rearing young valuable fishes in a reservoir bay adapted for fish culture. p. 221.
Prokhorova, K.P. - Causes of a smaller catch of bream in the Moscow Sea. p. 259.
Meisner, E.V. - Effect of water exchange on the habitat and food supply in reservoirs. p. 263.
Gordon, L.M. - Methods for improving the use of basic funds on pond fish farms. p. 269.

OVTSEVODSTVO [SHEEP BREEDING]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 7, nos. 1-5, 7-9, Jan.-May, July-Sep. 1961.
(DNAL)

RIGA. LATVIJAS LOPKOPIBAS UN VETERINARIJAS ZINATNISKI PETNIECISKA INSTITUTS. Raksti. Trudy Latviiskogo nauchno-issledovatel'skogo instituta zhivotnovodstva i veterinarii [LATVIAN SCIENTIFIC RESEARCH INSTITUTE OF ANIMAL HUSBANDRY AND VETERINARY MEDICINE. Transactions] Vol. 9, 1958.

TIFLIS. GRUZINSKII ZOOTEKHNICHESKO-VETERINARNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Sbornik trudov [GEORGIAN ZOOTECHNICAL AND VETERINARY SCIENTIFIC RESEARCH INSTITUTE. Papers]. Vol. 33, 1961.

Table of contents translated

Erkomaishvili, S.K. - Improvement of the protein balance in the feed supply of the Republic. p. 3.
Kumsishvili, V.G., and others - Organizing efficient sheep farming on the Krtsanisskyi State Farm. p. 21.
Mamatelashvili, V.G. - Pathomorphological changes in lambs with dysentery. p. 37.
Chkhartishvili, Sh.E. - Columnar cells of the oviduct epithelium in farm animals. p. 45.
Chkhartishvili, Sh.E. - Comparative embryogenesis of the ovaries in some farm animals. p. 50.
Pantskhava, A.D., Chkheidze, T.V., Barnabishvili, N.Z. - Effect of Galega orientalis on the process of lactation. p. 77.
Dzhanshiia, Kh. T. - Treatment and prophylaxis of "khoshli." p. 85.
Kvachadze, I.S. - Laryngeal nerves in swine. p. 101.
Matikashvili, I.L., Gelovani, D.M., Arabian, A. - Treatment of cattle diseases caused by Francisella colchica, Jakimoff, 1927 and Anaplasma marginale Theiler, 1911. p. 109.
Burtikashvili, P.S. - Buffaloes as carriers of paratyphoid bacteria. p. 115.
Bartikashvili, P.S., Makharadze, A.G., Useinashvili, E.S. - Detecting the meat of sick and dead animals at meat inspection stations. p. 121.
Burtikashvili, P.S., Makharadze, A.G., Useinashvili, E.S. - Determining the freshness of secondary products and their sanitary evaluation. p. 129.
Darchiashvili, A.I. - Effect of intravenous injections of sodium hyposulfite solutions on the morphological blood composition in horses. p. 137.
Pitskhelauri, B.K. - Disturbance of the urine-secreting function of kidneys in sheep in different pathological states of the organism. p. 163.
Chkradze, V.G. - A case of uterus unicornis in a cow. p. 181.
Mshvidobadze, N.A. - Study of the secretion of nectar by basic honey plants and possibilities for its use by bees in the Samgora region, Georgian S.S.R. p. 183.
Zhgenti, V.K., Dzhorbenadze, A.V. - Comparative pathology of tumors in dogs. p. 187.
Piranishvili, N.L. - New method of packing and transporting cheese cured in brine (Tushino, Ossetian, Kobi, Sulugumi and all types of country cheese). p. 209.
(DNAL)

VETERINARIIA [VETERINARY MEDICINE]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 38, no. 9, Sep. 1962

Table of contents translated

Sokolov, M.F. - Veterinarians of Tambov Province for the development of animal husbandry. p. 5
Emel'ianov, V.N. - Our experience in animal husbandry. p. 9.
Gudukin, F.D. - From the work experience of veterinarians on the Morshanskiy State Poultry Farm. p. 11.
Zagaevskii, I.S. - Epizootiologic role of Salmonella carriers in the paratyphoid fever of animals. p. 15.
Lazarev, P.S., and others. - Some characteristics of the course of rabies in cattle. p. 20.
Malygin, S.A., Druzhkov, I.D., Smirnov, A.P. - Rabies in cattle. p. 22.
Matusevich, V.F., Feklistov, M.N., Rozhdestvenskii, V.A. - Characteristics of stachybotryotoxicosis in cattle. p. 23.
Gorodovich, N.M. - Prophylaxis of theileriasis. p. 26.
Meshchaninov, V.P., Emilin, I.IA. - Chlorophos in cattle theileriasis. p. 27.
Kalinin, V.I - Treatment of animals with theileriasis. p. 28.
Lukashev, I.I., Rotov, V.I., Rozhdalovskaia, O.I. - Detection of Mycobacterium paratuberculosis in the sperm of bulls. p. 28.
Ten, M.P., Krivosheev, V.F. - Vaccination of suckling piglets against hog cholera. p. 31.
Koshevoi, V.A. - Stachybotryotoxicosis in swine. p. 32.
Zhuraviev, V.V. - Aspergillotoxicosis in swine. p. 33.
Plaan, O.J - Effectiveness of piperazine and a group dehelminthization of swine p. 41
Shevtsov, I.V - Treatment of swine trichomoniasis. p. 50.
Timofeev, B.A - Role of swine in the epizootiology of cattle trichomoniasis p. 51.
Kotel'nikov, G.A. - Role of wild birds in the contamination of domestic ducks by helminths. p. 53
Gerasimova, G.N. - Epizootiology of helminthiases in domestic ducks. p. 40
Ageeva, L.S., Smel'nikov, IA D., Zubkova, L.A. Testing virus vaccines against Newcastle disease in poultry farms with a year-round system of poultry raising. p. 42.
Rusev, Kh. - New vaccine against Newcastle p. 46.
Mikhal'skii, G.A., Antonova, M.D. - Effectiveness of antipasteurellosis vaccines of aluminum hydrate p. 47.
Dvorak, M - Prophylaxis of anemia in suckling pigs. p. 50
Selous'eva, A.M - High-dispersion caustic in endometritis in cows. p. 53.
Shneider, M.A. - Lymphadenomis in swine. p. 54
Gutsalov, IU.P. - A case of sheep poisoning on Solonchak soils. p. 56.
Bushkov, V.G., Zorova, A.S., Bushkov, V.G. - Treatment of dogs with coprostasis. p. 58
Chaikina, O.A., Volobueva, K.A - Antibiotic preparation No. 2 for fattening pigs. p. 59
Presniak, S.I. - Use of antifollicular hydrocortisone p. 60.
Guseinov, D.IA. - Lactogenic effect of hormone p. 61.
Bessonov, A.S. - Improvement of the methods of noscopy. p. 62.
Rybaltovskii, O.V., Vladimirova, T.A. - New method for trichinoscopy of pork. p. 66
Mezenev, N.P - Protecting a reindeer herd from bloodsucking insects. p. 67.
Uzakov, U.IA. - Ixodid tick control. p. 68
Tsellarius, I.K. - Phase contrast microscopy of tuberculosis diagnosis. p. 71.
Arkhangel'skii, I.I., Karabashova, V.M. - Rapid methods for detecting Salmonella in milk. p. 74
Pritulin, P.I. - Rapid method for detecting anthrax in the organs and tissues of dead animals p. 79
Suntsevn, T.S. - Veterinary and sanitary supervision of meat and the hygiene of local slaughtering p. 83.
Tarshis, M.G. - Russian veterinary medicine in the Patriotic War of 1812. p. 87.
Book reviews and bibliography. p. 91
Information and brief news. p. 95.
(DNAL)

Vol. 39, no. 11, Nov. 1962.
Table of contents translated

A glorious historical date. p. 5.
Borisovich, F.K. - Correct use of special terms and expressions in literature. p. 9.
TSonov, Ts. - Terms for indicating the relationship the number of dead animals to those sick and diseased. p. 14.
Dzhuplina, S.I. - Propagation of veterinary knowledge p. 16.
Smilan, IU.P. - Ukrainian Laboratory of Veterinary Bacteriology. p. 18.
Kononiuk, G.IA. - Cattle trichomoniasis control in the farms of Donetsk Province. p. 35.
Ostapets, N.G. - Ridding a farm from infectious gastroenteritis of swine. p. 28.
Uchaev, A.A. - Intrauterine infection of calves and the role of diplococci in the sterility of cattle p. 30.
Dokudovskii, E.G. - Methods for trichophytosis control. p. 32.
Semenov, M.Z. - Treatment of animals infected with ringworm. p. 36.
Safarov, K.M., Safarov, IU.B. Dzhumaliev, S. - Preparation No. 74 for the treatment of calves infected with ringworm. p. 36.
Cheremisin, G.G., Ivanova, L.G., Khudorgonova, O.I. - Immunity of sheep inoculated with streptococcus No. 19 vaccine. p. 37.
Remizov, E.S. - Use of phenothiazine in the prevention of infection of pregnant sheep. p. 39.
Vodolazhko, I.V. - Treatment of sheep infected with Dictyocaulus. p. 40.
Kobiakova, N.I. - Wild goats and rams in captivity as carriers of coccidiosis. p. 40.
Novikov, V.M., Fortushnyi, V.A., Shulhik, V.D. - Treatment of piglets infected with paratyphoid fever. p. 42.
Prokopov, I.P. - Swine influenza control. p. 44.
Antonenko, V.I. - Immunization of pigs against pig plague and erysipelas by a mixture of two vaccines. p. 46.
Kononov, IU.V. - Infectious atrophic rhinitis in swine. p. 47.
Sabo, A.E. - Chemical prophylaxis and treatment of chicken coccidiosis. p. 48.
Borshosh, A.V., Illosh, V.V. - Ridding ponds of water from ichthyophthiriasis. p. 50.
Leont'ev, A.I., Dedurin, M.A. - Aujeszky's disease in watchdogs. p. 51.

Skatalov, P.I. - Pregnant mare's blood as a hormone preparation. p.52.
Kashin, A.S., Gusev, I.S. - Production of pregnant mare's serum. p.57.
Resheteniak, V.S., Lebedev, S.I. - Surgical treatment of sterile cows. p.59.
Vinogradov, S.P. - Removal of the placenta in cows p.60.
Roman'ko, G.K. - Prophylactic measures against noninfectious diseases in lambs. p.61.
Kurnosov, K.M. - Causes of the birth of abnormal, dead and underdeveloped lambs. p.63.
Chingaev, I.F., Gavrilova, O.A. - Application of grisin on collective and state farms of Moscow Province. p.65.
Grezin, V.F., and others. - Effectiveness of colimycin and mycerin in gastrointestinal diseases of calves and piglets. p.67.
Kotenko, I.I. - Antibiotic therapy for young farm animals with salmonellosis and colibacillosis. p.69.
Lochkarev, V.A. - Tetracycline for the treatment of bronchopneumonia in calves. p.72.
Nefed'ev, A.I., Gavrish, N.E., Kollada, V.D. - Producing native antibiotics by open submerged fermentation. p.72.
Dyachenko, V.M. - Bacteriolytic effect of penicillin on the agent of swine erysipelas. p.74.
Kovalenko, IA.R. - African swine fever. p.76.
Sikorskii, A.N. - Veterinary medicine in Siberia during the first years of Soviet rule. p.80.
Book reviews and bibliography. p.83.
In the Ministry of Agriculture of the U.S.S.R. p.88
In the Soviet Union. p.89.
(DNLM)

ZHIVOTNOVODSTVO [ANIMAL HUSBANDRY]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.24, no.5, May 1962.

Table of contents translated:
Let us manage all branches of animal husbandry prudently and economically. p.3.
Zabrodin, M.V. - We are walking toward the cherished goal. p.7.
Shitanov, G.N. - Forage beans in virgin lands. p.10.
Shtan'ko, A.V. - Corn in Karelia. p.13.
Polezhaev, I.A. - Carrots as a valuable forage crop. p.16.
Libershtein, I.I. - Corn as a stubble crop in Moldavia. p.18.
Pliss, D.S. - Economics of secondary crops. p.20.
Aliev, S.Z. - Using the herbicide 2,4-D in pastures. p.23.
Pasechnik, G.I. - Corn silage in summer feeding of cows. p.25.
Semak, I.L., Maksakov, V.IA., Mosolov, N.I. - Summer fattening of young cattle on corn silage. p.29.
Tokarev, F.V. - Ways for developing beef cattle raising in Orenburg Province. p.33.
Kogan, A.IA., Filippov, V.D. - Possibilities for animal husbandry on the "Pobeda" State Farm. p.37.
Grib, N.G. - First results of the introduction of a new animal husbandry system on collective farms. p.43.
Tikhonov, A.V. - Practices in the development of intensive poultry raising. p.46.
Fomina, P.E. - An average yield of 4,040 kilograms of milk with a 4.06 per cent butterfat content of the herd. p.55.
Longinov, N.V. - Improving the Caucasian sheep. p.61.
Oslashko, F.I. - Equipment for semen freezing. p.67.
Smirnov, I.V., Postavnaia, V.I. - New method for determining the resistance of semen. p.70.
Kolnash, V.A. - Simple and reliable devices. p.71.
Slavin, R.M., Vasil'ev, V.G., Gerasikov, N.I. - Complex of machines for over-all mechanization of large poultry houses. p.74.
Bondarenko, G.A., Pilipenko, A.N. - Put the planning of feed supply on a scientific basis. p.79.
Krivinskii, I.I. - Considering the economic return rate of feed as a factor in breeding work. p.81.
Supplying collective and state farms with instruments and preparations. p.82.
Enlarged Plenum of the Coordination Council of the All-Union Academy of Agricultural Sciences in Orenburg. p.85.
Semenovykh, N.E. - New type of animal feeding. p.86.
Conference of readers of the journal "Zhivotnovodstvo" in the Kuban. p.89.
Stepan, Jozef - The most suitable methods for cattle branding. p.90.
Rozov, N.N. - Sixtieth birthday of Professor A.S. Emel'ianov. p.94.
Solun, A.S. - The most outstanding representative of zootechnicians. p.95.
(DNAL)

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Institut lesa i drevesiny. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Institute of Forest and Wood. Transactions]. Krasnoyarsk, vol.65, 1963. Drevesinovedenie i zashchita drevesiny [Study and conservation of wood].

Table of contents translated.
Ivanov, IU.M. - Diffusion into cell walls of wood. p.3.
Bazhenov, V.A., Khaiuk, E.V. - Testing the permeability of pine wood to nitrogen and antiseptic solutions. p.20.
Chudinov, B.S. - Averaging the effective thermal coefficients of wood. p.48.
Chudinov, B.S. - Calculating the processes of complete and incomplete defrosting of wood. p.66.
Isaeva, L.N. - Characteristics of the distribution of moisture in various parts of wood of the stem of Siberian pine. p.77.
Klar, G.V., Kytmanov, A.V., Petrova, O.A. - Structure and characteristics of biaxially compressed wood. p.83.
Klar, G.V., Sosnin, M.I. - Wood particle boards of increased strength in the direction of chip orientation. p.91.
Petrenko, I.A. - Interrelations of some species of house fungi in a mixed culture. p.95.
Isaev, A.S. - Chemical control of the stem pests of Dahurian larch. p.105.
Tonkoshtan, L.A. - Anatomic structure of the needles of basic tree species in Krasnoyarsk Territory. p.118.

KHIMKI. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MEKHANIZATSII I ENERGETIKI LESNOI PROMYSHLENNOSTI. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF MECHANIZATION AND USE OF POWER IN LUMBERING. Transactions]. No.40, 1962. Voprosy sozdaniia sushkoreznykh mashin [Problems in the construction of limbing machines].

Table of contents translated:
Drekhsler, M.M. - Automatic following of the trunk form by the working parts of limbing machines. p.3.
Shiplin, N.A. - Analyzing the performance of the cutters of a rotary head during limbing. p.25.
Vasil'ev, G.M. - Some problems in limbing by rotary cutters. p.55.
Shokalov, E.A. - Mechanizing the taking apart of bundles of tree trunks with crowns. p.71.

LESNAIA PROMYSHLENNOST' [FOREST INDUSTRIES]. Organ of Gosudarstvennyi komitet po lesnoi, tsellyulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva lesnoi promyshlennosti i lesnogo khoziaistva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry]. Moscow, vol.40, no.3, Mar. 1962.

Table of contents translated:
Tasks of engineers and technicians in the light of the decisions of the 22d Congress of the CPSU. p.1.
Shavrov, A.M. - Before lumber floating. p.3.
Voronin, M.I., Gabovich, S.A., Zorin, S.P. - Tractors of the Altai Plant. p.7.
Kliuchnikov, V., Barsukov, M. - New semiautomatic line. p.10.
Trukhtenkov, L.V. - Semiautomatic line for firewood sawing. p.12.
Dobrov, A.B. - Amphibious patrol unit for lumber floating. p.14.
Repair of lumbering machinery. p.16.
Solodukhin, M.M. - Resistance to the motion of rafts in rough waters. p.17.
Filimonov, S.S. - Biological drying of larch after felling. p.19.
Mandych, Z.K. - Timber skidding tractor in lumber chuting. p.20.
Koloskov, V.N., Grechin, V.V., Bazunov, G.P. - Mechanizing the unloading and bundling of lumber. p.21.
Starikov, G.F. - A reference book on the evaluation of forests in Sakhalin. p.22.
Benenson, G.M. - Estimating wood waste as a secondary raw material. p.23.
Lur'e, N.A. - Foreign lumber trade of the U.S.S.R. p.26.
Larionov, A.I. - Solve in a comprehensive way the problems of wood technology. p.26.
Shilenko, V.A. - For the specialization of repair enterprises. p.28.
Shershen', F. - We automate the production. p.29.
Islamov, Sh.Sh. - Over-all mechanization of a riparian log dump. p.30.
Deev, B. - Reconditioning a sleeper sawing machine. p.31.
Strashinskii, B.A. - Forest gravel roads in Finland. pp.32, 3 of cover.
New machinery produced by the "Severnyi Kommunar" Plant. p.2 of cover.

Vol.40, no.9, Sep. 1962.
Table of contents translated.
Let's glorify cosmic victories by our earthly deeds. p.1.
Make better use of mechanisms. p.2.
Automatic control at lower landings should operate successfully. p.3.
Zhil'tsov, E.K. - What are the reasons for the failure of a semiautomatic line. p.5.
Pozhidaev, I., Chashchin, V., TSvetkov, V. - Equipment waits for assembling. p.5.
Magdich, K. - Readers' conference in Krasnoyarsk. p.6.
Rakhmanov, S.I. - Characteristics of calculations for the unloading of logs. p.7.
Kovrigin, A.I. - Modernization of the reversing gear of the LM-47 winch. p.10.
Serov, B.V., Shekhter, IA.S. - Automatic meter for calculating the volume of round lumber. p.12.
Mikailov, A.D. - Self-propelled winch. p.14.
Morozov, S. - Preparing and floating larch lumber in the Buryat A.S.S.R. p.15.
Mart'ianov, B.S., Serdechnyi, V.N. - Mechanization of work at a riparian lower landing. p.17.
Reutov, IU. - Mechanization of winter rafting. p.19.
Nesterenko, V.G. - Use of a new technique in winter rafting. p.21.
Balashov, B.I. - The S-80 tractor in winter rafting. p.22.
Pogodin, A.I., Silichev, A.I. - Georgiyevka logging truck road. p.23.
Sergeev, P., Griazin, A. - Experiments in building roads with stabilized coverings. p.24.
Varaksin, F., Kuklin, M. - For uniform calculated prices of waste. p.26.
Rozhin, N.I., Pul'kherovskii, V.A. - Economic possibilities of the use of tractor loaders. p.28.
Ivanov, V.M. - Computing the area of principal yield cuttings. p.31.
Kessel', I.V. - Felling trees with roots. pp.2-3 of cover.

Vol.41, no.6, June 1963.
Table of contents translated:
Akimov, A.I., Novosel'tsov, N.V. - Possibilities of the development of lumbering in heavily forested areas. p.1.
Biro, V. - Remote-patrol rafting in the Kama Basin. p.4.
Ponomarev, M. - How we completed two years' work of rafting. p.7.
Soromotin, I.I. - Transportation of full-length logs by wide-gauge railroads. p.8.
Vasil'ev, B.A., TSindiuk, V.I. - Methods for calculating reserve resources of wood. p.9.
Pir, A.I., Reinas, P.D., Chikov, IA.I. - Simplified cable crane for reserve stacking of full-length logs. p.10.
Cherepanov, A.I., and others. - New means for controlling bloodsucking insects. p.12.
Istomin, G., Sergienko, IU. - New lower timber landing at the Guzeripl' Logging Camp. p.13.
Nekrasov, R., Grubov, S. - TPU-7 units in mountain forests. p.17.
Kirevichev, V. - Science in the service of lumber floating. p.20.
Mel'nikov, V.I. - Pay more attention to the scientific work of the institutions of higher education. p.22.
Kiliakov, A. - Relay channel with two coding groups. p.23.
Gavrilov, I.I., Shatov, I.V. - Reinforced concrete slabs for main truck roads. p.24.
Tanashev, R. - A scientific and technological conference at the Northern Scientific Research Institute of Industry. p.26.
Boichukov, F. - Causes of low economic indices of the Obor Logging Camp. p.27.
Lavrovskii, G.N. - Profits and prices in the lumbering industry. p.29.
Dobrov, A.B., Brusnitsyn, V.V. - The "Neva" raft-making machine. p.31.
Pervov, A.F., Sukmanov, V.F. - Work clothes for rafters. p.32.
Achievements of science in production. p.2 of cover.
Nikolaev, L. - From foreign journals. Insert.

Vol.41, no.7, July 1963.
Table of contents translated:
Varaksin, F.D. - Some problems in technological development and the tasks of engineers and technicians. p.1.
Voronitsyn, K.I. - For advanced technology in logging and transporting operations. p.3.
Sadokhin, N.E. - Semiautomatic continuous production lines at the Andreyevskiy Logging Camp. p.6.
Petrovskii, V.S. - Algorithmic calculations for bucking full-length logs. p.10.
Driuchenko, D., Ivanov, P. - Care for mechanisms in forests. p.12.

IAkovlev, G., Gushchin, V. - Tariff practices in [illegible] with the protection of [illegible] p.14
Filippov, S.S., and others. - Experiments in flotation [illegible] p.17
Mikhailov, A., Matveichuk, V., and Savchenko, A. - [illegible] p.19
[illegible], B.F. - [illegible] in planning [illegible] p.22
[illegible] - [illegible] p.24
Petrov, I., Mikheev, P., Fedorov, G. - Current problems in [illegible] p.25
Ivanchenkov, V., Petrov, M. - Improve the quality [illegible] p.27
Ivanov, E.M. - More use of the forests of Georgia [illegible] p.28
Academic [illegible] p.29
Sharov, M. - All-Union conference [illegible] p.29
Brief news and information. - Standard designs of the State Institute for Designing Plants in the Lumber, Timber-Processing, and Woodworking Industries p.31
Defense decisions of the Scientific and Technical Division p.31
Ivanov, I., Belyaev, A. - Motion-picture propaganda of lumbering machinery, p.2 of cover.

Vol.41, no.8, Aug. 1963
Table of contents translated
Raise the level of ideological work. p.1
Azarkevich, A.I. - Hauling tree-length logs at wood processing enterprises. p.3.
Sharin, T.M., Rakhmets, I.G. - Cableway skidder with a movable supporting cable. p.6
Kuznetsov, N., Zhukov, V., Pikushov, A. - Transporting a log trailer on the platform of a truck tractor. p.8
Pak, Yu., Ignatov, K. - New system for rewarding loggers. p.9
Golubev, A.M. - Standardize the engines of log transporting machines. p.11
Lavrov, I.A., Zhukov, V.K., Barannikov, L.F. - Small-size tractors. p.12
Egorshin, N., Egorov, V. - Unit for evening-up log butts. p.14
Goldman, E.I., Lysochenko, A.A., Muravlev, A.V. - New cab on a timber skidding tractor. p.15
Mozhaitsev, B.N. - A useful reference book. p.16
Moshonkin, N.P., Krylov, V.N. - Roads with stabilized surfacing in the Komi A.S.S.R. p.17.
Tkachenko, A.A. - Against the use of wooden planking. p.19
Vasil'ev, P.V. - Possible development of industrial processing of wood. p.22
Lur'e, A.L. - Funds for material stimulation of [illegible]. p.25.
Kharevich, V. - Stimulating the output of industrial lumber at the Semiozernaya Logging Camp. p.27
Conference in Riga. p.28
Chkhubianishvili, Z., Grubov, S. - Lumbering in the mountains of France. p.29
Smurova, M.F. - Standardization of narrow-gauge locomotives and cars. p.31.
Masetkin, N.V. - Mass production of lumbering equipment. p.2 of cover.

LESNOE KHOZIAISTVO [FORESTRY], Issued by Gosudarstvennyi komitet po lesnoi, tsellyulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and TSentral'noe pravlenie NTO lesnoi promyshlennosti i lesnogo khoziaistva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry]. Moscow, vol.16, no.3, Mar. 1963.

Table of contents translated:

Bochkarev, M.M. - Carry out efficiently forest regeneration work. p.2.
Titov, N.A. - Preserving the young spruce growth in mechanized logging operations. p.6.
Prokop'ev, M.N. - Role of the young spruce growth in the development of spruce-hardwood stands. p.9.
Kravchenko, V.I. - Effect of the density of stands on their productivity in spruce-whortleberry forests. p.11.
Valk, U.A. - Estonian upland swamps and their utilization in forestry. p.14.
Averkiev, S.K. - Natural regeneration of persimmon forests in Talysh. p.18.
Panasechkin, I.A., Sepp, N.V. - Growth of Amur cork tree in natural stands. p.19.
Zakhina, E.S. - Variety testing of poplars in Amur Province. p.21.
Istratova, O.T. - Valuable fast-growing species on the Black Sea coast. p.25.
IUnovidov, A.P. - Growing pine from seed on stony lands in the Virgin Territory. p.28.
Gonchar, A.I. - Lupine in shelterbelt afforestation on eroded soils. p.33.
Areshnikov, B.A., and others. - Chlorophos as a highly efficient preparation for controlling pests feeding on leaves. p.35.
Stadnitskii, G.V. - Using aerosols in forests of the taiga zone. p.37.
Forecasting the mass multiplication of injurious insects in forests of the Russian Federation in 1963. p.39.
Molchanov, V.P. - The MI-4 helicopter in the extinction of forest fires. p.41.
Shchetinskii, E. - From the practices in controlling forest fires in Sakhalin. p.42.
Gendel', R.D., Areshchenko, V.D. - Methods for determining labor productivity in forestry. p.43.
Toldsepp, J. - Cost of growing trees. p.47.
Trubnikov, M., Sidarev, V. - Production cost in forestry, based on the materials of the economic conference. p.51.
Attikov, M.A. - Practices in mechanized preparation of soils for planting large nursery saplings. p.54.
Zheltov, N. - Drill for sowing pine in wide rows in nurseries. p.57.
Khainovskii, E.L. - Valuable proposals by the Kinel' efficiency promoters. p.57.
Perov, N.V. - How we use a self-propelled chassis. p.59.
Pilipenok, I.A. - Attachment to the "Druzhba" gasoline-engine saw. p.60.
Lavrent'ev, A.P. - A useful improvement. p.60.
Brief communications. p.61.
Kovalin, D.T. - Advanced practices and technology of reforestation and forest cutting operations on display at the Exhibition of Achievements of the National Economy of the U.S.S.R. p.66.
Surmach, V.M., Chernyshev, V.V. - Machines and tools for reforestation. p.71.
What the participants in the seminar talked about. p.77.
Following Lenin's example in our attitude toward nature. p.82.
Mordvinov, I. - Again in the rank. p.84.
Glorious seventieth birthday. p.85.
Our consultation. p.86.
Letters to the editor. p.87.
Book reviews and bibliography. p.88.
Brief news and information. p.92.

Vol.16, no.7, July 1963.

Table of contents translated

For the improvement of forest management and the increase of forest productivity. p.2
Moiseenko, S.T. - Possibilities in increasing the productivity of forests in White Russia. p.9.
Anuchin, N.P. - Gradual and selective cuttings in forests of the U.S.S.R. p.12
Gulisashvili, V.Z. - Selective and gradual cuttings in Georgia. p.20.
Katriukstis, L. - Results of the use of gradual and selective cuttings in Lithuania. p.25.
Saks, K.A. - Gradual cuttings in Latvia. p.31.
Teder, Kh.O. - Gradual cuttings in Estonia. p.34.
Practices in gradual cuttings in mountain forests of the Carpathians. p.36
IAblokov, A.S. - Increasing forest productivity by raising fast-growing species. p.41.
Tolchev, B.P. - Poplars in the Ukraine. p.46.
Ozolin, G.P. - Growing poplar timber in Central Asia. p.51
Kouovalov, N.A. - Developing fast-growing tree species in the Central Urals. p.55.
Bogdanov, P.L. - Growing poplars in the forest zone. p.58
Shumakov, V.S. - Fast-growing stands and soil fertility. p.60
Kuteinikova, F.F. - Utilization of fast-growing species in the pulp and paper industry. p.66.
Nagovitsyn, N.A., Sabo, E.D., Khokhlov, T.V. - Present state and possible development of forest drainage. p.69
P'iavchenko, N.I. - Biological bases of forest drainage. p.75
Kornil'ev, N.V. - Investigating fire hazards in some forest types. p.78.
Ryvkin, B.V. - Biological method for controlling the pine sawflies Diprion pini and Cilpinia pallida. p.82
Rykhtik, F.A. - Practices in accelerated propagation of hybrid poplars. p.85.
Stepin, V.V. - Growth of aspen and birch in Kostroma Province. p.85
Kozlova, L.M., Shutov, I.V. - Protecting nursery stock of spruce and pine against birds. p.85.
Khrustalev, G.V. - Chemicals for controlling fungus diseases of acorns. p.87.
Uskov, S.P. - Spruce seed reserves in the litter. p.87.
Pugachev, V. - Sea buckthorn, a pearl of Tuva. p.88.
Uziumskii, P.P., Romashov, N.V. - A book on fast-growing tree species. p.89.
Gribanov, L.N. - A valuable manual on forest seed production. p.90.
Books written by Siberian authors. p.91.
Grozdov, B. - "Trudy" of the Abkhaz Forestry Experiment Station. p.92.
Brief news and information. p.93.

Vol.16, no.8, Aug. 1963

Table of contents translated

Ideological education of foresters in the [illegible] attention. p.2.
Matulionis, A. - Selective cuttings as an important factor in increasing the productivity of forests in Lithuania. p.6.
Maike, P.M. - Forest drainage and the [illegible] of logging roads. p.10
Chibisov, G.A. - Improvement cutting in the [illegible] of Archangel Province. p.14
Atrokhin, V.G. - Technological process of [illegible] cuttings with the preservation of young [illegible]. p.17.
Zviedris, A. - Increasing the productivity of [illegible] stands. p.21.
Zyrianov, A.G. - Studying the interrelations [illegible] in mixed stands by means of topographs.
Baranev, S.K. - Estimating the growing stock by measuring trees. p.26.
Mamonov, N.I. - Conditions for the [illegible] of pine in the central taiga zone. p.30
Petrenev, N.V. - Raising fast-growing [illegible] at the Kanachevo Forest Working Circle. p.31
Knazeva, L.A., Orekhova, G.P. - Introduction species in western Kazakhstan. p.34
Minialenko, I.S. - Forest plantations in the Carpathians. p.36
Kurbalskii, N.P. - Estimating fire hazard [illegible] according to local data. p.38
Alekseev, I.A., Spektor, M.R., Brunovich, I. - The root fungus and measures for [illegible]. p.42.
Gorshkov, N.V. - Effect of Dasychira albosi the multiplication of the tent caterpillar Malacosoma sibiricum. p.47.
Komlagin, A.I. - Make way for new methods and means in forest protection. p.48.
Chimirov, IU.O. - Labor productivity in forestry [illegible]. p.49.
Solov'ev, V.M. - Economic effectiveness of [illegible] cement of timber in improvement cuttings.
Vlasov, E.I. - Theoretical problems in the [illegible] nization of soil cultivation in cutovers.
Vasil'chenko, I.M., Khodorovskii, V.A. - [illegible] for the utilization of tractors in loading [illegible] loading operations. p.59
Zaichenko, L.P. - Hinged scale stick. p.64
Shein, L.V. - The "Zmeika" tool sharpener.
Sannikov, G.P., and others. - Brief information. p.63.
Petrov, M.P., Tsekhanovskii, A.I. - Adjustable narrow-strip logging operations. p.67
Oskrotkov, M.IA. - Mechanized [illegible] p.69.
Golokhov, M.G. - For technological progress - Increase in the productivity of forestry. p.72
Letters to the editor. p.76.
Lavrent'ev, V.A. - Our consultations. p.78
Thrin, A.V. - Studies on forest management.
Nekrasov, V.I., and others. - Book reviews and bibliography. p.84.
Lavrov, M.P. - In the forests of the democratic Vietnam. p.89.
Ishmametov, A., and others. - Brief news and information. p.94.

MASTER LESA [MASTER LUMBERMAN], Izdano TsK Profsoiuza rabochikh lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshlennosti [Central Committee of the Trade Union of Workers in the Forest, Paper, and Woodworking Industries] Moscow, vol.7, no.11, Nov. 1963.

d PLANT CULTURE

AZERBAIDZHANSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZEMLEDELIIA. Trudy [AZERBAIJAN SCIENTIFIC RESEARCH INSTITUTE OF AGRICULTURE. Transactions]. Baku, vol.12, 1962.

Table of contents translated

Mamedov, M.K. - Endemic ecological foci of [illegible] in Azerbaijan. p.3.
Mekhtiev, I.IU. - Effect of sowing time and rates on the growth, development, and yield of winter wheat in the Nakhichevan Lowland. p.9.
Kakhramanov, IU.K. - Effect of fertilizers on the yield of winter wheat. p.29.
Kakhramanov, IU.K. - Effect of compound and mineral trace element fertilizers on the yield of winter wheat. p.33.
Aliev, I.D. - Some biological and economic characteristics of various wheat varieties grown with and without irrigation in the Karabakh Lowland [in Azerbaijani]. p.37.
Khalilov, A.A. - Effect of growing conditions on the increment of dry matter in ripening grain. p.44
Abdurragimov, G.IU. - Effect of sowing time on the elements of the crop of different winter wheat varieties. p.51.
Khalilov, A.A. - Let's develop new high-quality varieties of winter wheat [in Azerbaijani]. p.57
Guseinov, F.A. - Studying botanical forms of barley in Azerbaijan. p.63.

Sadykov, I.M., Rzaev, N.D. - Effect of various amounts of mineral fertilizers on the yield and quality of corn. p.69.
Mamedov, T.G. - Using green manure for corn p.73.
Akperov, A.A. - Effect of the placement of fertilizers for corn in rice fields of the Lenkoran zone in the Azerbaijan S.S.R. p.79.
Gebdarly, A.Z. - Effectiveness of bacterial fertilizers for increasing the yield of corn grown for grain. p.85.
Suleimanov, V.G. - Growth and photosynthesis of corn plants as related to various planting times p.89
Amirov, N.S. - Best methods for growing corn as a stubble crop p.97.
Aliev, G.N. - Spot placement of fertilizers. p.101
Sadykov, I.M., Gasymov, S.G. - Stubble crops as an important source for the accumulation of feeds p.105.
Amirov, N.S. - Quality of feeds obtained from spring forage crops sown on stubble. p.113.
Amirov, N.S. - Fenugreek (Trigonella foenumgraecum L.) as a stubble crop. p.119.
Gasparian, M.A. - Sugar beets as a forage crop. p.125.
Mamedov, Z.I. - Effect of iron on the yield of cotton. p.129
Sadykov, I.M. - Biological characteristics of the germination of corn seeds p.147.
Vezirova, N.B. - Effect of radioactive isotopes on carbohydrate metabolism p.155
Mamedov, D.Kh. - Effect of various density of plants on the yield of rice grown with transplantation. p.161
Akperov, A.D. - Effect of nitrogen fertilizers on the yield of rough rice [in Azerbaijani] p.167.
Amirov, Z.S. - Dynamics of tuber formation in two-crop potato culture in the Apsheron p.171.
Bambasov, I.I. - Effect of growth promoting substances of petroleum origin on the yield of watermelons and melons. p.179.
Safarov, I.S. - Working out a farm management system is an important task. p.183.
Safarov, I.S. - Raise agricultural standards to the level of new requirements. p.187.
(DNAL)

KIEV. UKRAINS'KYI NAUKOVO-DOSLIDNYI INSTYTUT ZEMLEROBSTVA. Naukovi pratsi [UKRAINIAN SCIENTIFIC RESEARCH INSTITUTE OF AGRICULTURE Studies] No 12, 1962 Kukurudza na Polissi ta v lisostepu URSR [Corn in the Ukrainian Polesye and forest-steppe].

Table of contents translated.
Introduction. p.3.
Butsercha, M.M. - Most important results of the study on cultivation practices for corn in the Ukrainian forest-steppe and Polesye. p.5.
Blazkova'kyi, V.K. - Corn in the crop rotations of the collective farms of Vinnitsa Province. p.20.
Il'chenko, V.A. - Corn as a preceding crop to winter wheat in the forest-steppe of the Ukraine. p.24.
Holovko, M.I. - Corn as preceding crop to winter wheat. p.27.
Didychenko, O.P. - Effect of fertilizers on the yield of corn as related to soil and climatic conditions. p.34.
Kolosha, O.I. - Effect of fertilizers on the development, biochemical processes, yield, and quality of corn in the Podzolic soils of Polesye. p.61.
Valovenko, D.K. - Results of growing corn in the Polesye zone of Zhitomir Province. p.62.
Linovyts'ka, M.IA. - Studying the elements of nutrition for corn at the Drabov Experimental Station. p.75.
Bratchyk, V.M., Tryt'ko, V.I. - Practices in growing large corn crops in the forest-steppe of the Ukraine. p.79.
Beksrovnyi, A.K - Cultivation practices for large corn crops in Polesye, p.83.
Tomashevs'kyi, D.P. - Results of investigating cultivation practices for corn in Sumy Province. p.91.
Vyshyns'kyi, O.M. - Effect of liquid nitrogen fertilizers on the yield and quality of corn in turf-Podzolic soils of the Ukrainian Polesye. p.95.
Khanin, M.D. - Methods for hill placement of fertilizers for corn. p.101.
Spivak, Kh.S. - Effect of fertilizers on the yield of corn in Volyn' Province. p.105.
Vyshny'skyi, O.M. - Effect of peat-manure composts on the yield of corn. p.108.
Minevych, S.M. - Effect of liming on the yield of corn in acid soils. p.114.
Ivanova'kyi, L.I. - Effect hill placement of fertilizers on the yield of corn in Rovno Province. p.121.
Ozerov, V.I. - Placement of fertilizers for corn at the time of planting. p.124.
Dunaieva'kyi, V.N. - Growing corn in soil conserving crop rotations. p.128.
Novyts'kyi, M.D. - Effect of fertilizers on the yield of corn and its quality in the southern Ukrainian Polesye. p.131.
Novyts'kyi, M.D. - Productivity of some corn varieties and hybrids grown for ensilage purposes in the southern Ukrainian Polesye. p.135.
Oseledets, P.I. - Hybrid corn for the Ukrainian Polesye. p.142.
Popovych, I.D., Humeniuk, S.M. - Advanced practices. p.150.
Merezhyns'kyi, IU.H., Mel'nychuk, O.S. - Effectiveness of various 2,4-D and 2M-4Kh salts and esters in weed control in corn fields. p.153.
(DNAL)

REFERATIVNYI ZHURNAL: RASTENIEVODSTVO (Otdel'nyi vypusk 55) [JOURNAL OF ABSTRACTS: PLANT CULTURE (Separate Issue 55)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 20, Oct. 1963.

SELEKTSIA I SEMENOVODSTVO [PLANT BREEDING AND SEED PRODUCTION], Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 26, no. 5, Sep.-Oct. 1963.

UKRAINS'KA DOSLIDNA STANTSIIA KHMELIARSTVA. Naukovi pratsi [UKRAINIAN HOP GROWING EXPERIMENT STATION Studies] No 5, 1961 Novi doslidzhennia v haluzi khmeliarstva [New achievements in the field of hop growing]

Table of contents translated:
Harbuzova, D.A. - Results of studying the collection of hop varieties. p.3.
Harbuzova, D.A. - Growing high-quality hop seedlings of the Clone 18 variety in Polesye. p.9
Harbuzova, D.A., Sharonina, H.P. - Introduction of the Clone 18 variety into cultivation. p.16.
Zhydko, L.P., Bondarenko, V.M. - Economic, physiological, and biochemical characteristics of promising hop hybrids. p.20.
Nalyvaiko, H.S. - Effect of joint placement of organic fertilizers, superphosphate, and lime on the hop yield. p.30.
Bondarenko, V.M. - Foliar feeding of hops. p.33.
Marakulin, P.F. - Methods for the placement of fertilizers for hops. p.55.
Marakulin, P.F. - Using stimulating substances in hop growing. p.59.
Karabanov, IU.V. - Ascorbic acid and gluthatione in young hop plants. p.65.
Karabanov, IU.V. - Effect of manganese on the yield and physiological activity of the leaves of the tops in young hop plants. p.77.
Nalyvaiko, H.S. - Using manganese fertilizers for hops. p.82.
Melenevs'kyi, A.I. - New means and measures for controlling hop pests. p.85.
Komarova, A.A. - Pseudoperonospora humuli Wilts. p.95.
(DNAL)

VINODELIE I VINOGRADARSTVO SSSR [WINE MAKING AND VITICULTURE IN THE U.S.S.R.]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 23, no. 7(222), 1963.

ZASHCHITA RASTENII OT VREDITELEI I BOLEZNEI [PROTECTING PLANTS AGAINST DISEASES AND PESTS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol 8, no.4, Apr. 1963.

Table of contents translated:
Savzdarg, V.E. - With the initiators of a nation-wide competition. p.1.
Serious talk. p.4.
Suslov, V.M., Tikhonov, O.I. - Contribution of scientists. p.7.
Makliuk, B.K. - In the floodlands of the Sea of Azov region. p.10.
Kolesnik, A.V. - Shield bug Eurygaster integriceps in Orenburg Province. p.11.
Slauta, V. - Guarantee for successful work. p.12.
Glebov, M.A., Platonova, V.G. - Economic effectiveness of corn protection. p.13.
Reader's letters. p.14.
Pustovoit, V.S., Pustovoit, G.V. - Breeding sunflower for resistance to broomrape. p.15.
Kolmakov, P.P., Shin, P.V. - Herbicides in the Virgin Territory. p.18.
Ishmaev, A.M. - Hill placement of hexachlorocyclohexane in soils. p.19.
Saluiskaia, N.I., and others. - Chemical control of common corn smut. p.21.
Al'muratov, N.N. - Semidry method for disinfecting barley seeds. p.22.
Kozhevnikov, S.G. - Spraying herbicides by means of an aerosol generator. p.23.
Shcherbinin, N.P. - Weed control in oil flax fields. p.23.
Arkhipov, G.E. - Practices in controlling hop pests. p.24.
Shamaev, G.P. - New machinery for plant protection. p.26.
Kochetov, S.P. - A simple method. p.30.
Oripov, M. - Aerosol generator mounted on a tractor. p.31.
Fratkin, A.B. - Sucking pests of pulse crops. p.33.
Meisakhovich, IA.A. - Low-volume spraying of sugar beet and potato fields. p.34.
Prokopenko, S.F., Podshivalov, V.S., Kuz'mina, M.M. - Spraying herbicides by the method of lateral blasting. p.36.
Popov, P.V. - Simple method for dilution calculations. p.37.
Questions and answers. p.38.
Shumilenko, E.P., Shaianova, A.I. - Disinfecting the planting stock of flowers. p.38.
Chenkin, A.F. - Exemplary work norms in plant protection. p.39.
Pogodina, L.I. - Cockroaches and their control. p.42.
Popova, I.V., Makarenko, E.E. - Forecast for 1963. p.43.
Aliev, D.G. - Method for determining the resistance of cotton to wilt. p.46.
Parliuk, A.M. - Practices in weed control in Stavropol Territory. p.47.
Telenga, N.A., and others. - Using beauverin with DDT for controlling the Colorado beetle. p.48.
Lavrov, M.T. - In the Democratic Republic of Vietnam. p.50.
Synák, J., Hrnčár, J. - New herbicide. p.52.
Brief information. p.53.
Bolarskii, B.G., and others. - Information and brief news. p.56.
Bookshelf. p.60,63.
Levin, M.S. - A necessary book. p.61.
Berim, E.G. - A valuable monograph. p.61.
Ball, A.G. - Disappointing omission in a reference book. p.62.
From the pages of foreign journals. p.62.
(DNAL)

Vol.8, no.8, Aug. 1963.
Table of contents translated
Kuropatkin, A.S. - With the feeling of responsibility for the entrusted work. p.2.
Savzdarg, V.E. - Encounters in Tambov. p.6.
Ibragimov, G.R. - In the Azerbaijan Institute of Plant Protection. p.9.
Balakina, N.V. - At the station for the protection of ornamental and shade trees. p.13.
Khodosevich, N.I. - Harmfulness of spider mite to cotton. p.15.
Kuznetsova, M.A. - Agricultural practices in protecting winter crops. p.17.
Moskovets, S.N., Krasnova, M.V. - Bacteriosis of soybeans. p.19.
TSymbal, M.M. - Disinfecting winter wheat seeds p.20
Pavlov, I.F. - Prevent mass multiplication of the Hessian fly. p.21.
Zolotarev, A.I. - Disinfecting lupine seeds immediatly after harvesting p.23
Rudakov, O.L. - Final results of biological control of dodder. p.25
Bonch, E.I., Petrova, A.I. - Aerosols in controlling rice diseases. p.26.
Karpukov, V. - Early harvests decrease the incidence of potato diseases. p.28.
Rasulev, U.U. - Ascigerous stage of Inchmula necator Burr. p.29.
Minoranskii, V.A., and others. - Practices in the use of new preparations. p.30.
Bastrakov, V.P. - At the Yoshkar-Ola Repair Plant. p.32.
Gugalo, A.I., Linnik, A.A. - Liquid atomizers. p.33.
Bookshelf. p.34.
Ratanova, V.F. - Preventive measures against granary pests. p.35.
Andreeva, E.I. - Seed disinfectants. p.36.
Bordukova, M.V., Zaikin, B.A., Glinka, E.V. - How to prevent the spreading of Phytophthora infection. p.38.
Filippov, N.A. - European cabbage moth (Barathra brassicae). p.41.
Meikulov, A.A., Ronginskaia, G.IA. - Mole cricket. p.42.
Filitsin, V.V. - The ORD diaphragm knapsack sprayer. p.43.
Sidenko, E.I. - Consider the viability of spores. p.45.
Evlakhova, A.A., Shvetsova, O.I. - Detect new insect diseases. p.46.
E.I. - Inspection workers exchange their experiences. p.47.
Funtikova, G.D. - From the inspection work practices in Latvia. p.49.
Varshalovich, A.A. - Dangerous foreign pest of stored produce. p.50.
Koula, V. - Pesticide aerosols in Czechoslovakia. p.51.
Read the journals published by the State Publishing House of Agricultural Literature (July). p.54.
Natsvlishvili, A.A., and others. - Brief information. p.55.
E.Zh. - Pay attention to potato wart. p.58.
Likhontov, V.V. - Toward the 5th Conference of the All-Union Entomological Society. p.59.
Pallem, V.F., and others. - Local information. p.60.
Shchegolev, V.N. - A series of popular scientific monographs on entomology. p.62.
Arkhangel'skii, P.P. - A necessary addition. p.62.
Guide to insects. p.63.

Sushchinskii, E.N. - A fly in the ointment p.63. (DNAL)

Vol. 8, no. 9, Sep 1963

Table of contents translated:

Our common cause p.1.
Tkacheva, Z.M. - Organization of work as the main factor. p.3.
Gognadze, Sh. - On the "Urekskii" State Farm. p.5
Ibragimov, I.A. - Evident advantages p.7.
Baevskii, A.S., Rodina, K.I. - Need for quality control in seed disinfection p.8
Glebov, M.A. - Cost of agricultural production and plant protection. p.9.
Pustovoit, G.V. - Breeding sunflower for resistance to rust p.10.
Sokolov, N.M. - Without additional expenditures p.11.
Koptelova, R.G. - Eradication of Agropyron repens. p.13.
Shchegoleva, G.I. - Disinfecting dried fruits p.14.
Toldaev, V.S., Toldaeva, T.I. - Effect of TMTD on the keeping quality and yield of carrot seed plants p.16.
Kulik, I.A. - Nigrospora infection of sorgo. p.16.
Maslov, A.D. - Elm bark beetles. p.18.
Golovanova, E.N., and others. - Controlling sparrows. p.19.
Dolidze, G.V., and others. - From practices in the use of poisonous chemicals. p.20.
TSitsiv, M.V., Liabakh, B.V. - Centrifugal atomizer with controlled dispersion p.22.
Nikolaenko, L.S. - Vineyard sprayers reconstructed by rural efficiency promoters. p.24.
Gusev, S.A. - How to prevent potato diseases during storage. p.26.
Fedchenko, M.A. - Disinfectization of granaries with chlorophos. p.27.
Andreeva, E.I. - Seed disinfectants (continuation). p.28.
Ostrovskii, N.I., Nosyrev, V.I. - Disinfecting medicinal plant seeds. p.29.
Preobrazhenskii, V.V. - The field slug. p.30.
Zaguliaev, A.K. - Microlepidoptera as pests of fur, wool, and hides. p.31.
Vorob'ev, B.A. - Advice to photographers p.33.
Savzdarg, E.E. - Fall work in strawberry plantations. p.35.
Shcheglova, E.G. - The pierid butterfly Aporia crataegi. p.36.
Filitsyn, V.V. - The ORM knapsack bellows sprayer. p.37.
Fiatkin, A.B. - Poisonous chemicals for collective orchards and farmers' personal plots. p.38.
Questions and answers. p.39.
Zimin, L.S. - Determining pests and diseases of farm plants. p.40.
Sheshakova, A.P. - Artificial infection by the vacuum method. p.42.
Funikov, A.V., Konashevich, V.A. - Simple method of estimating. p.42.
Platitsyna, T.I. - Nakhodka Station. p.44.
Kolomiiko, I.F. - Elimination of potato wart. p.44.
Berezovskii, M.IA., and others. - Controlling Acroptilon picris. p.45.
Diadechko, N.P., Zhigaev, G.N., Kovtun, I.V. - Eliminating perennial foci of the Colorado beetle. p.47.
Gilarov, M.S. - Studying plant protection in Finland. p.48.
Shamonin, M.G. - Marocco and desert locusts in Afghanistan. p.49.
Zen'kovich, A.G. - New preparations. p.52.
Brief information. p.53
Frolkina, E.A. - Visiting the stands of the "Agriculture" pavilion. p.58.
Zaikin, N.N. - Pyrotechnics in plant protection. p.60.
Dobrovol'skii, B.V. - Fifty years in the service of plant protection. p.61.
Stonov, L.D. - A good monograph. p.62.
Chintl', IA.M. - A valuable reference book. p.62.
Pul'son, R.Kh. - Literature on the protection of pulse crops. p.63.
Bookshelf. p.63.

(DNAL)

ZEMLEDELIE [AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol.25, no.9, Aug. 1963.

Table of contents translated:

Strengthen the ideological work in rural areas. p.3.
Session of the Lenin All-Union Academy of Agricultural Sciences. p.7.
Volovchenko, I.P. - Control of soil erosion as a nationwide concern. p.7.
Sobolev, S.S. - Tasks in the control of soil erosion. p.16.
Vorob'ev, S.A., Gordinskii, IA.P. - Fall tillage for spring crops. p.27.
Uzun, V.F. - Effectiveness of planing fall-plowed fields in the trans-Volga steppe region. p.37.
Orlov, V.N., Zaichikov, B.V., Sergeeva, O.IA. - Preceding crops and tillage for winter crops in Kursk Province. p.42.
Taichinov, S.N., Khamidullin, M.M. - Methods for increasing the effectiveness of deep plowing in Bashkiria p.46.
Borodin, N.N., Eremeev, IU.N. - Characteristics of tillage for spring barley in Rostov Province. p.50.
Bakaev, N.M. - Methods for accumulating moisture in the Virgin Territory p.54.
Trushin, V.F. - Extent of the washing off of soil as related to the method of basic tillage. p.62.
Izotkov, A.S., Tarasenko, B.I. - Using a roller in the tillage for winter wheat p.65.
Medvedovskii, A.K. - Seed quality. p.66.
Azin, L.A. - Mechanical ventilation of seeds. p.70.
Pogorelov, A.D. - Harvesting time for corn preceding winter wheat. p.73
Olefirenko, L.P. - Sunflower as a crop to precede corn. p.74
Churikov, I.I. - Wintering peas in the Kuban. p.75.
Buriakov, IU.P. - Characteristics of agricultural practices in harvesting oil flax by stages p.81.
Pedenko, M.E. - Preliminary drying of sunflower seeds on growing plants in Siberia. p.84
Vostrikov, N.A., Samokhodskaia, I.I. - Utilize efficiently plowing units p.86.
Rabinovich, A.Sh., Vinokurov, V.N. - Self-sharpening plowshares and cultivator sweeps. p.90
Proshchelykin, A.M. - Preparation and use of manure-peat-soil composts. p.93.

16. TECHNOLOGY

a. GENERAL

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia, Seriia tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Series in the Technological Sciences]. Erivan, vol.16, no.4, 1963.

Table of contents translated.

Nazarov, A.G. - Mechanical similarities of solids and their application to the study of structural elements and seismic resistance of buildings. Report No.8. p.3.
Khuberian, K.Kh. - Stresses in a statically undetermined truss caused by its minimum weight under fixed loads. Report No.2. p.15.
Mkhitarian, A.M. - Determination of the coefficient of turbulent exchange in reservoirs and inland bodies of water based on their water and heat balances. p.23.
Ovsepian, K.Kh. - Moment of rotation of hydraulic turbines working under transient conditions. p.31.
Ambartsumian, G.A. - Sediment-discharge sluice siphon. p.41.
Piradov, A.B. - Results of testing spirally reinforced prestressed elastic columns. p.49.
Dzhanazian, S.S. - Thermal prestressing of new types of hot-rolled rod reinforcements. p.55.
Rotinians, A.A. - Experiments in making prestressed concrete beams for bridges. p.61.
Karapetian, N.K. - Method of determining the spectrum of seismic pulses by the harmonic curve analysis. p.65.
Trozian, R.E. - Calculation of the water hammer in pipelines. p.70.

*BIULLETEN' IZOBRETENII I TOVARNYKH ZNAKOV [BULLETIN ON INVENTIONS AND TRADEMARKS]. Issued by Komitet po delam izobretenii i otkrytii pri Sovete Ministrov SSSR [Committee on Inventions and Discoveries, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol.40, nos.1,11-15, Jan., June-Aug. 1963.

* GEODEZIIA I KARTOGRAFIIA [GEODESY AND CARTOGRAPHY]. Organ of Glavnoe upravlenie geodezii i kartografii Ministerstva geologii i okhrany nedr SSSR [Main Administration of Geodesy and Cartography of the Ministry of the Geology and Conservation of Mineral Resources of the U.S.S.R.]. Moscow, no.9, Sep. 1963.

Table of contents translated:

Shelakhin, P.I. - Raise the level of work in the communist training of workers. p.3.
Bliumin, M.A. - Accuracy of trigonometric leveling in a flat, broken, forest area. p.8.
Maslich, D.I. - Practice of transfering altitude across a formidable water obstacle by trigonometric leveling. p.12.
Combined adjustment of a continuous 3d and 4th class triangulation net by Regeczi's method. p.17.
Beliaev, N.A. - Electric drive for azimuthal rotation of a universal theodolite. p.30.
Gromov, E.V. - Practice of using short-base parallactic traverse surveying. p.34.
Pol'nikov, A.I. - Erecting signal towers with a rhumb grid. p.39.
Kargalov, P.S. - Rod for a range finder with wires. p.40.
Andreev, IU.P. - Letter to the editor. p.45.
Shul'min, M.V. - Study of errors in determining the heights of points from multiple observations on the STD-2 stereotopometer. p.46.
Soldatov, S.N., Krempol'skii, V.F. - Speeding up the compiling of maps and atlases. p.50.
Edel'shtein, A.V. - One of the ways of reducing the costs of compiling maps p.52.
Results of the competition for the best suggestion to promote efficiency. p.55.
Leont'ev, N.F. - From the pages of the Geographical Atlas of Yugoslavia. p.56.
Vasmut, A.S. - Automation of map drawing and delineation operations abroad. p.62
Fel', S.E. - Concerning N.S. Karpov's book "Bibliographic index to cartographic literature issued in the U.S.S.R. between 1938 and 1958." p.69.
Lev Borisovich Meshchanskii, obituary. p.71.
Vladimir Antonovich Vovchek, obituary. p.72.
Brief news. p.74
Bibliography. p.76

*INZHENERNO-FIZICHESKII ZHURNAL [JOURNAL OF ENGINEERING PHYSICS]. Issued by Akademiia nauk BSSR [Academy of Sciences of the White Russian S.S.R.]. Minsk, vol.6, no.8, Aug. 1963.

Table of contents translated:

Baskakov, A.P., Vershinina, V.S. - Heat transfer between a packing and a fluidized bed in interstitial channels. p.3
Cherviakov, S.S. - Experimental study of the effect of vibration on the heat and mass transfer between a cylinder and a cone in a turbulent air flow. p.10.
Mosse, A.L., Khitrin, L.N. - Study of a stream of burning carbon particles in a high temperature region p.15.
Borodulia, V.A. - Calculation of a thin fluidized bed with cross motion of heat-transfer agents. p.22.
Kapinos, V.M. - Boundary conditions of heat transfer in turbines. p.28.
Kotliar, S.M. - Heat conductivity of a two-layer system. p.37.
Fedoseev, D.V., Shteinman, S.V. - Flow with friction and heat transfer in a conical nozzle. p.41.
Anistmov, V.E., Blinov, V.I., Reutt, V.Ch. - Relation between the rate of burning of a liquid and its surface temperature. p.45.
Nikitenko, N.I. - Approximate computation of a nonstationary temperature field in a moving medium p.52.
Samoilovich, IU.A. - Thermal stresses in a plate and a cylinder heated by irradiation and convection. p.59.
Grigor'ev, L.N. - Formation of a new phase in the boiling of binary mixtures. p.66
Krylovich, V.I. - Temperature field in an electric heater with rotating arcs. p.70.
Kessel'man, P.M., Tabachnikov, A.G. - Determining the equilibrium constant of the reaction of ammonia dissociation over a wide range of temperatures and pressures. Part 2. p.78.
Semerchan, A.A., Plotnikov, M.A. - Methodology of high-pressure liquid jets. p.82.
Borisov, IU.A., Kudashev, V.I. - Calculating the elasticity curve for a real gas from data on two reference substances. p.88.
Ovsiannikov, M.P. - External drag of grooved bodies with elliptic cones and supersonic velocities at the inlet. p.92.
Belubekian, M.V. - Boundary layer in a conducting fluid in the presence of a longitudinal magnetic field. p.97.
Zhuravlev, A.M. - Thermodynamic properties of methyl alcohol. p.105.
Zenkevich, B.A., Remizov, O.V. - Critical heat loads in a slow flow of underheated water past a tube in a square channel. p.112.
Sychev, V.V. - Anomaly of the p-T-diagram for water in the low temperature range. p.116.
Bekir Mikhailovich Smol'skii; on his 50th birthday and thirty years as a teacher. p.118.
Smol'skii, B.M. - Heat treatment of materials using commercial-frequency current. p.120.
Aladiev, I.T., Efimov, V.A. - Intensification of heat transfer in electric fields. p.125.
Parnas, A.L. - Comments on M.A. Gol'dshtik's article "Heat transfer of a thin wire heated by alternating current. p.133.
El'perin, I.T. - Intercollegiate Conference on industrial heat engineering. p.138.
Maliavskaia, G.R. - Annotated index of the international journal "Teplo- i massoperenos," vol.5 No.6, 1963. p.139.

IUNYI TEKHNIK [YOUNG TECHNICIAN]. Issued by TsK VLKSM and TSentral'nyi Sovet pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the Lenin Pioneers]. Moscow, vol.7, no.8, Aug. 1963.

Table of contents translated:

Sadykov, A. - Land of heroic deeds of the Communist Youth League. p.4.
Batin, A. - A magnetic field does the counting. p.9.

Kazakhstan has titanium! p 11.
Maksimov, G. - Youth of an ancient land p.12.
Two-year plan of the Communist Youth League and stock breeding. p.12.
The minister of geology of Kazakhstan Sh. Esenov talks about the wealth of virgin deposits. p.15
Zhilinskii, G.B. - When the prognosis of the prospecting maps comes true. p.19
Ivanov, B. - Electric fences substitute for shepherds. p.22.
Kozlovskii, M.T. - Amalgam metallurgy. p.27
Golovanov, L. - Report from the high-altitude Tien Shan station for cosmic ray research. p.33.
Kulakov, A. - Self-propelled giant machines work underground. p 40.
Iskakov, B. - The miner; poem. p.43.
Mustafin, IA. - The young technicians of the Virgin Territory. p.44
Sokol'skii, D. - What can you do? p.46.
Ivanov, B. - Electrification of music. p.48.
Oudraitski, I. - "Detectives" of antiquities. p.49
Vartanian, A.M. - Role of oxygen in the metallurgy of nonferrous metals. p.52.
Mashanov, A. - "Aristotle of the East," p.57.
Fipidin, B. - Dreams and deeds. p.60.
Momysh-Uly, B. - Be worthy of your parents; poem. p.64.
Sultanbekov, T. - "Toguz-Kumalak," algebra of the shepherds. p.66.
Automatic machine for grain loading. p.76.
Visit with Kazakhstan jugglers. p.78.

IZMERITEL'NAIA TEKHNIKA [MEASUREMENT TECHNIQUES]. Issued by Komitet standartov, mer i izmeritel'nykh priborov pri Sovete Ministrov SSSR [Committee of Standards, Measures, and Measuring Instruments, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, no. 5, May 1963.

Table of contents translated.

Novitskii, P.V. - Limit of attainable precision by automatic statistical processing of the results of multiple measurements. p.1.
Bychkov, O.D. - Television methods for checking dimensions. p.6.
Rostovykh, A.IA. - Precision of pneumatic devices for linear measurements. p.10.
Kalner, G.B. - New method for centering inside calipers. p.12
Zablonskii, K.I., Nassal', V.I. - Indicator for measuring very small displacements. p.13.
Shiplin, N.A. - New volumenometer. p.14.
Smirnov, A.V., Rodkevich, E.D. - Spread of values of standard Rockwell hardness measures p.15.
Efimov, D.N. - Selection and evaluation of slip rings for the measurement of torques of rotating shafts of various machinery. p.18.
Rikhter, V.A. - Control of the zero point during measurement with wire resistance transducers. p.21.
Ryl'ov, A.N. - Manufacturing standard hardness measures. p.23.
Melik-Shakhnazarov, A.M., Savin, V.V. - Automatic d.c. potentiometer without measuring slide wire. p 24.
Khomeniuk, IU.V. - Investigating gating phase-sensitive circuits. p.26.
Andres, U.TS. - Measurement of the pushing-out electromagnetic force in a conductive fluid. p.29.
Kulikovskii, L.F., Likhttsinder, B.IA. - Balancing of the measured vector quantity in comparing devices. p.31.
Bezukladnikov, D.A., Skuridin, V.P. - Device for measuring heavy direct currents. p.35.
Belyi, M.I. - Magnetoelectric recording instrument with a forward frame shift p.36.
Silulanov, B.P. - Transistor voltage stabilizer with a general minus lead. p.37.
Il'enkov, A.I. - Nomographs for calculating voltage regulators having stabilizing tubes. p.38.
Safonov, V.I., Ivanov, I.N., Komissarova, V.N. - Semiconductor capacitor frequency meter. p.40.
Gorelov, V.I. - Measurement of resistances by the method of "proportional division." p.43.
Gertsenshtein, M.E., Lur'e, IU.A., Smirnov, IU.G. - Measurement of the sensitivity of regenerative circuits. p.44.
Palii, G.N. - Transmission of standard frequencies by radio stations. p.48.
Petrov, V.P. - Super-high frequency measurement of the attenuation of intercoupled four-poles by the method of "three readings." p.51.
Zel'din, E.A. - New version of the oscillographic method for frequency measurement. p.52.
Makashev, M.Kh., Tkhorzhevskii, O.A. - Aging of high-Q AT-cut quartz resonators. p.53.
Malkova, E.M., and others. - Methods for the attestation of check gas mixtures. p.54.
Selivanov, L.V. - State of the problem of evaluating the accuracy of water-discharge measurement in open channels and streams. p.58.
Bendik, A.T. - Nomograph for calculating the measuring diaphragms of gas and water meters. p.59.
Training of measurement specialist in France. p.61.

No 8, Aug. 1963

Table of contents translated

Arutiunov, V.O. - Basic problems in modern metrology p 1
Kaduk, B.G. - Applying the conceptions of the information theory to the design measuring equipment p.5
Shenbrot, I.M. - Graphoanalytic determination of the mean square of a methodical error in discrete measurement. p.6.
Verkhoturov, B.IA. - Difference method for checking kinematic errors of gear wheels p.11
Vaganov, I.P., Shchipacheva, N.M. - Large gauge blocks. p.15.
Korsunskii, M.I., Lagunov, A.S., Baivel', L.P. - Using induction transducers in measuring displacements at high temperatures. p.16
Koroleva, A.N. - Interference dilatometer. p.20.
Lenkova, G.A., Lokhmatov, A.I., Sosnovskii, V.I. - Autocollimator with photoelectric recording p.20
Birukov, G.S. - Measuring the circularity of center holes p.21.
Knyazev, S.I., Charikov, B.A. - Optical adjustment of plane mirrors p.22
Kvacheva, A.I., Kuznetsov, S.D., Turovskii, E.M. - Measuring the roughness of curvilinear surfaces p.23.
Vydrin, V.N., Amosov, P.N., Ageev, L.M. - Dynamometer with a nonamplifying circuit and resistance strain gauges. p.24.
Bessmertnyi, E.F. - Recording strain-gauge block. p.25.
Compressor and vacuum system for feeding standard units p.27.
Ableev, S.A. - Grip end for attaching manometers to presses. p 27.
Graevskii, M.M. - Error in dynamic calibration in case of variable thermal inertia of compared heat receivers. p.28.
Shcherbina, D.M. - Rectifier feed of hot-cathode tubes. p.32.
Bulychev, V.S. - Thermistor thermometer with stabilized current supply. p.34.
Boberskii, G.A. - Device for measuring spectral coefficients of radiation blackness. p.35.
Ornatskii, P.P., Tuz, IU.M., Greshchenko, E.V. - Highly sensitive self-compensating millivoltmeter for 1,0 value of precision classes. p.36.
Martynenko, N.V. - Using silicon voltage stabilizing tubes in rated voltage voltmeters. p.39.
Grin, G.L. - Method for precise measurement of the mean value of alternating voltage in subsonic frequency range. p.42.
Shprits, E.I. - Device for volts-to-digit conversion. p.45.
Slavinskii, V.L. - Digital representation of measured values in scanning systems. p.47.
Miziuk, M.G. - Analyzing the stability of static self-compensators. p.49.
Polapov, V.A. - Phase errors of frequency conversion in phase meters with a modulation and synchronous signal detection. p.53.
British exhibition of scientific and industrial instruments. p.56.
Measures and measuring instruments approved by the State Committee on the basis of their official testing and permitted to be used in the U.S.S.R. p.58.
New regulations for testing measures and measuring instruments. p.62.
Kingi, L.A. - Changes in the regulations 1-60 and 2-62. p.63.

LENINGRAD, LENINGRADSKII INZHENERNO-EKONOMICHESKII INSTITUT. Studencheskoe nauchnoe obshchestvo. Trudy [LENINGRAD ENGINEERING AND ECONOMICS INSTITUTE, Student Scientific Society, Transactions]. No. 3, 1959. Avtomatizatsiia proizvodstva [Automation of production processes].

Table of contents translated:

Preface. p.3.
Uskov, N.I. - Precision of the machining on lathes with a hydraulic profiling slide. p.5.
Abashkin, G.V. - Electric spark machining of metals. p.13.
Ten'gaeva, I.P. - Industrial application of ultrasonic waves. p.22.
Abashkin, G.V., Kulikova, I.B., Tomilina, D.N. - Determination of the value of maximum torque transmitted by carrier centers. p.28.
Kaplan, G.Sh., Belukhin, V.G., Naimark, IU.IU. - Determination of the optimum geometry of a cutting tool securing chip breaking. p.39.
Shatilov, A.F., Zykov, V.I. - Organizing the operation of the main conveyor at the Gor'kiy Automobile Plant. p.49.
Sekretarev, S.A. - Some feed mechanisms used at the Gor'kiy Automobile Plant. p.58.
Kozodaeva, G.P. - Statistical method of quality control and its difference from the total quality control. p.68.
Zalevskaia, M.B. - Automatic line for welding wheels of the GAZ-51 motortruck. p.76.
Zhagulo, P.M. - Automation of machining on centerless grinding machines at the Gor'kiy Automobile Plant. p.81.
Erilova, V.I. - Automatic adjuster of a grinding machine. p.86.
Gerasimov, V.N. - Comparison of diamond boring and internal grinding. p.92.
Lipinskii, B., Sviderskii, S. - Automatic line for machining cylinder blocks. p.97.
Spiridonova, K.M., Serova, G.N. - Semiautomatic stamping line at the Gorkiy Automobile Plant. p 102.
Ziulkovskii, M. - Honing p.107.

MOKSLAS IR TECHNIKA [SCIENCE AND TECHNOLOGY]. Issued by Lietuvos TSR Ministrų Tarybos Valstybinis mokslinio tyrimo darbų koordinavimo komitetas [State Committee of the Council of Ministers of the Lithuanian S.S.R. for the Coordination of Research] and others. Kaunas, vol. 5, no. 10, Oct. 1963. [In Lithuanian]

MOSCOW, GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT NAUCHNOI I TEKHNICHESKOI INFORMATSII. Biulleten' tekhniko-ekonomicheskoi informatsii [STATE SCIENTIFIC RESEARCH INSTITUTE FOR SCIENTIFIC AND TECHNICAL INFORMATION. Bulletin of Technical and Economic Information]. Vol. 16, no. 8, 1963.

Table of contents translated

Onishchin, B.P., Vycherov, V.G., Mastykov, G.F. - Electric smelting of oxidized nickel ores for the production of iron nickel p.3.
Meandrov, L.V., and others. - Pack rolling of two-layer stainless steel. p 6
Al'bokha, V.P., and others. - Noncontact gas-air ratio controller in the soaking pits of a blooming. p 10.
Peshkov, V.I., Vishnevskii, B.P. - The BS-80 drilling machine. p.12.
Klit'man, IA.I., Klevke, V.A. - Production of ammonium nitrate by the one-step method. p.14.
Rubleva, I.M. - Development of new production methods for petroleum chemical products. p.18
Sheremet'ev, V.A., Baranik, V.P. - New inhibitor for slowing down the corrosion of oil-well equipment. p.21.
Al'tsitser, V.S., and others - Manufacture of water pipes of secondary polymer materials for agriculture p.23.
Aderikhin, A.S., and others. - Mechanical building-up of metal cutting tools. p.25.
Kondrashova, G.P., Liamin, B.N. - Semiautomatic program-controlled line for ultrasonic cleaning of parts. p.27.
Dudetskii, E.M. - Over-all mechanization of the manufacture of conveyors for grain-harvesting combines p.29.
Gol'dman, IA.S., Isers, B.I. - Universal rotary screw-cutting machine. p.32.
Dolzhenko, V.G. - Semiautomatic line for machining halfs of wooden bearings p 34.
Nalguz, N.I. - The TP500A automatic molding machine for thermoplastics. p.36
Ershov, V.N., Ershova, N.M. - Electric thermomoisture meter. p.39.
Zheltov, V.P. - Automatic unit for surface dyeing and drying of leather. p.41.
Metelkin, A.I. - New methods for skin tanning. p.43.
Sobolev, S.V. - The PS-105-L ring spinner. p 45.
Sobolev, S.V. - The LCh-2-L, LCh-3-L, LCh-4-L high-speed ribbon lapping machines p.47.
Matysheva, N.I., Savvatova, Z.V. - New materials for the knit goods industry. p.49.
Ivankov, A.G., Opochinskii, G.L. - New trends in planning enterprises in the dairy industry. p.51.
Palunin, N.I. - The PTS-1 single-axle tractor tank trailer. p.55.
Polunin, N.I. - The TPP-6 peat-pressing machine. p.56.
Naratov, P.M. - New methods for loading lumber into ships with floating cranes. p.58.
Shabrov, N.A. - "Sofiia"-type tank vessel. p.61.
Golovkin, M.P. - The EP-501 battery-powered five-ton capacity loader. p.63.
Popov, V.P. - Twenty-ton capacity tank barge. p.65.
Golovkin, M.P. - In the Scientific Council for Industrial Transportation and the Mechanization of Loading and Unloading Operations. p.66.
Kotel'nikov, IU.B. - Practice of the Kuznetsk Basin Economic Council in the mechanization of information services. p.68.
Timokhin, N.A., Barinov, I.G. - Visiting session of the Scientific Council for the Light Industry at the Volga-Vyatka Economic Council. p.70.
Timokhin, N.A., Mozhaev, P.F. - Over-all utilization of natural leather waste products. p.72.
Rubinchik, E.E. - Organization of the operations of various types of transportation in the Volga-Vyatka Economic Region. p.74.
Shannikov, V.M. - Production, processing and use of plastics in the industry of the Leningrad Economic Council. p.76.
Gellert, I.V. - Modernization of equipment in the enterprises of the Moscow Economic Council. p.77.
Presniakov, L.B. - Further introduction of multiple part machining in the enterprises of the Central Chernozem Economic Council. p.79.
Dashevskii, IA.V. - Large-capacity charge resistance furnaces. p.81.

...OSCOW VSESOIUZNYI INSTITUT NAUCHNOI I TEKH...ICHESKOI INFORMATSII Nauchno-tekhnicheskaia informatsiia [ALL-UNION INSTITUTE OF SCIENTIFIC AND TECHNICAL INFORMATION Scientific and Technical Information] No 4, 1963

Table of contents translated

...lman, B.IA. - Current publication of informational material p 3.

Prokof'ev, M.F - Planning scientific research on the basis of scientific and technological information. p 7

Glotiachev, O.I - Significance of scientific and technological terminology in the development of scientific information work p 8

Luppov, S.P , Kononova, E.A. - Rules for bibliographical description. p 10.

Kinds of publications of scientific and technological information on building and architecture and a list of organizations having the right to publish them in 1963 p 11

Vlejuts, G.E , Lakhuti, D.G., Chernlavskii, V.S. - Inversion principle of setting up an information storage and retrieval system. p. 13.

Vorob'ev, G.G., Lipkin, S.A. - Use of aperture punched cards for information retrieval Bibliographical system for marginal-hole punched cards. p 20

Keekbock, M., Shuller, J.A. - Compact retrieval system of the Center for Technical Documentation and Information of the Armed Forces of the Netherlands. [Abridged translation from the Dutch] p.26.

Il'iashenko, E.I. - Activity principle of the biax memory element p 27.

Fitialov, S.IA. - Language for nonalgebraic algorithms. p 30

Bukatin, E.I. - Factors influencing the quality of the microimage formation on the "Mikrat-300" film p.35.

Nikitin, P.I - Examples of the mechanization of bibliographical work of documentation and information in the German Federal Republic (based on personal impressions). p.37.

...o 8, 1963

Table of contents translated

Orekhov, P.M - New standard regulations concerning the obligations and rights of organs of scientific and technological information p.3

Vtiurin, V.I. - Presidium of the Central Board of the Science and Technology Society of the Petroleum and Gas Industry on the state of information work in its branches. p. 6.

Sidorova, V.IU. - Experience with joint operations of the Central Library of Science and Technology and the technical libraries of the enterprises of the Lower Volga Economic Council. p 7.

Sindilevich, L.M - Second All-Union Conference on Automatic Processing of Information. p. 8.

Gavrilova, S.A., Boldov, V.G. - Present state of the geography section in the Universal Decimal Classification and its use in the abstract journal "Geografiia." p 11.

Braichevskii, M.IU., Pshenichnaia, L.E., Skorokhod'ko, E.F. - Information retrieval in the field of archaeological literature. p.13.

Buchinskii, A.S - Suggestions for simplifying the structure of a subject index of an abstract journal. p.17.

News of Universal Decimal Classification p.20.

Moskovich, V.A - Approach to a typology of the semantics of natural languages. p.21.

Review of electr...ophotographic copiers in Japan. [Abridged translation from the English] p.21.

Schwartz, E., Powers, E. - Survey of the quantity and distribution of biochemical literature. [Abridged translation from the English]. p.30.

NAUKA I TEKHNIKA [SCIENCE AND TECHNOLOGY]. Issued by Nauchno-tekhnicheskii komitet Soveta Ministrov Latviiskoi SSR [Scientific and Technical Committee of the Council of Ministers of the Latvian S.S.R.] and others. Riga, no.10(39), Oct, 1963.

NOVOCHERKASSK. POLITEKHNICHESKII INSTITUT. Trudy [POLYTECHNIC INSTITUTE. Transactions]. Erivan, vol.138, 1963. Raboty kafedry stroitel'noi mekhaniki [Work of the Department of Structural Mechanics].

Table of contents translated.

Vorob'ev, L.N. - *Calculation* of a long cylindrical shell taking into account the displacement of the median surface. p 3.

Vorontsov, G.V. - Application of the method of mixed matrices to the calculation of elastic compressed and bent bars. p 11.

Vorontsov, G.V - Calculation of beams for forced vibration by the method of mixed matrices. p. 23.

Zarif'ian, A.Z. - *Approximate* calculation of laterally loaded beams according to a deformation diagram. p. 33

Glazunova, N.T. - Problem of axisymmetrical bending of slabs p. 39.

Glazunova, N.T ... the theory of round ...

Mishchenko, P.D ... thin-section ...

Gilkin, M.S. Applic... focal ratios for the ... rings. p 63

Vaitul'ian, A.Sh ... matrices to the solution ... rods during the ... process

Mishchenko, P.D ... ment p 89.

Litchenko, L.A ... cylindrical shell p ...

Vaitul'ian, A.Sh ... comparative ... mixed matrices ... p 97.

Chistov, D.I ... ber of great ... section. p 111

Zhukov, I.U. - ... tation speed and the ... vibration conveyors ... with direct action. p ...

Vol. 137, 1963. Raboty ... of the Department of ... Table of contents ...

Kalinin, G.P. ... stability of ... mine depth. p. 3.

Bystrov, A.A. Role of ... tion of weight ... which has a flexible ... for with a hyperstatic ... of the ... of the ...

Mutkevich, I.I. - ... adapted ... eyes for ... p. 5.

Mutkevich, I.I. - ... cable in the ... factor

Zhmaylev, P.V. Calculation ... characteristics ... pumps. p. 63.

Zhmaylev, P.V., Vaitulian, ... *lens* in electric ...

Vaitulian, G.M., Sitnikov, ... NPI-type counter ...

Udalykh, Ia.I. - ... hydraulic plant ...

Vol. 138, 1963. Raboty kafedry ... rutnil [Transactions of the ... and power systems].

Table of contents ...

Iakimov, G.V Experimental ... *sulphurous* mineral waters ... p.3.

Linovich, S.N. - Purification ... the production of ... p 11

Matunov, A.I. - Reduction of ... gen sulfide and ... in the ... of the waste waters of ...

Kuts, I.D. - Biological purification ... polluted dilute ... from ... the aleiphatic acid ...

Kulzhinskii, V.I., Mikhailov, ... client designs of filter ... Municipal Services p 47.

Lysov, K.I., Korenev, I.I. - ... studies of several types of ... cal axial pumps. p. 69.

Aleksandrov, D.N. - Deformation ... lines over underground ...

NOVYE KNIGI ZA RUBEZHOM. ... [NEW FOREIGN BOOKS. ... Published by Izdatel'stvo ... Publishing House of Foreign Literature] ... non, 9-10, Sep.-Oct, 1963.

OBZOR POLI...SKOI TEKHNICHESKOI ... POLISH TECHNICAL ABSTRACTS. ... ny instytut informacji naukowej ... nej [Central Institute of Scientific, ... Economic Information]. Warszawa, ...

PROFESSIONAL'NO-TEKHNICHESKOE ... [VOCATIONAL, TECHNICAL EDUCATION]. ... of Gosudarstvennyi komitet po ... tekhnicheskomu obrazovaniiu pri ... [State Committee for Vocational ... Attached to the State Planning ... U.S.S.R.]. Moscow, vol. 20, no. ...

Table of contents translated

Zelenko, G. - Let's raise the ... to the level of new tanks p. 1.

Word for youth. p. 6.

Ivashchenko, G., Kozlov, A., Kitaev, ... town of heroes. p. 7.

We have to know the past in order to appreciate the future p.8.
Rozhkov, V. - This is your younger comrade. p 10.
Ivanov, N. - Path of one group. p 11.
Grigolovich, F. - Shine, our beacon light! p.12
Gutsevich, V - Reunion of A.S.Makarenko's students. p.13.
Skardis, A. - Training of workers for the new industries of Lithuania. p.14.
Riabov, N. - Planning a class of production training. p.15.
Zvereva, V., Kostogonova, T - Plymers as a replacement for metals. p 17
Zhukovets, I. - Variability of methodological means. p.19.
Uspenskii, B - For the rational organization of lessons. p.21.
Urvantsev, G. - We increase the productivity of educational work. p.22
Conference of innovators. p.23.
Medveditskov, F. - The school as a model for the farms of the district p 24
Zakharov, N. - Pledges will be met. p.25.
Koliadenko, Z. - On the occasion of a seminar. p.27.
Los', A. - University of technical knowledge. p.27
Moskalev, A. - Methodological commissions and sections in operation. p.28.
Koval'chuk, V., Fenisik, I - Obstacles in the training of miners. p.29.
Rozenberg, F. - Valuable advice on the training of miners. p.30.
News from schools. p.32.

STANDARTIZATSIIA [STANDARDIZATION], Issued by Komitet standartov, mer i izmeritel'nykh priborov pri Sovete Ministrov SSSR [Committee of Standards, Measures, and Measuring Instruments, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol. 27, no. 9, Sep. 1963.

Table of contents translated:
Akop'ian, S.A., Shlanko, M.G. - Interchangeability of agricultural machinery by the weight. p.3.
Astrelsov, A.I. - Standardization of machines and equipment for light industry. p.10.
Itskov, L.IA. - Vibrating bunkers with an electromagnetic drive. p.12.
Margulis, IA.I. - Thread gauges for metric thread. p.14.
Fridland, A.I. - Rolling pipe thread p.14.
Dukhan, E.Sh., Vashchenko, IU.I. - Standardization of the dimensions of pipes for the bearing industry. p.16.
Drilakh, M.M., Gorfinkel', V.M. - Standard series for cupola furnaces. p.19.
Mikhailishcheva, T.A. - Screens of the device for determining the grade of asbestos. p.22.
Blagovidov, I.F., Zhainin, I.E. - Qualities of crankcase oils for motor-vehicle carburetor engines. p.23.
Zelenov, K.G. - Frost resistance tests of road concretes p.25.
Porkhomovskii, I.D. - Over-all standardization of the packaging for consumer goods. p.28.
Uryson, A.M. - Using anthropological data in light industry. p.31.
Kulazev, D.S., Dombrovskii, G.E., Belostotskii, N.B. - Standardization control in enterprises and organizations of the Latvian S.S.R. p.35.
Miroshnichenko, N.S. - Steel ropes. p.37.
Gavrilova, G.E. - Methods for testing aromatic hydrocarbons. p.39.
Orlova, L.A., Semushkina, T.S. - Boxes. p.39.
IAroslavtsev, K.V., Mikhailovskaia, L.O. - Determining the crease resistance of a pile. p.40.
Belkhman, E.K., Doev, V.N., Kochetova, O.V. - Fine sheep wool. p.41.
Moskalenko, F.A. - Reviewing the standard for thrust rings. p.46.
Sokolov, B.L. - Material responsibility for the violation of standards. p.47.
Specifications for metallurgical raw materials. p.48.
Skorobogat, M.Kh. - Conference on standardization at the North Caucasus Economic Council. p.48.
Kalabugina, N.N. - Conference on standardization in the Estonian S.S.R. p.49.
Zak, Z.D. - Indication of requirements for symmetric layout of elements. p.50.
Mironov, K.D. - Recommendations of the International Standardization Organization. p.52.
Palei, M.A. - From technical periodicals. p.56.
Sokhtev, A.A. - Manual on standardization. p.57.
Standards for the machinery industry. p.58.
Foreign standards. p.60.

TALLINN. POLUTEKHNILINE INSTITUUT. Toimetised, Seriia A. Trudy Tallinskogo politekhnicheskogo instituta [POLYTECHNIC INSTITUTE. Studies], No.104, 962. Trudy po fizike [Works in Physics], vol.3.

TASHKENT. POLITEKHNICHESKII INSTITUT. Trudy [POLYTECHNIC INSTITUTE. Transactions], No.20, 962. Trudy Kafedry istorii KPSS [Transactions of the Department of History of the CPSU].

Table of contents translated:
Introduction.
Suvorov, V.A. - The socioeconomic premises of the victory of the October Revolution in Turkestan. p.5.
Kunavina, G.S. - Number and structure of the railroad proletariat in colonial Turkestan. p.79.
Fedotov, I.G. - Participation of the railroad workers in Turkestan in the struggle for the victory of the socialist revolution. p.97.
Mangel'din, D. - The role of trade-union organizations of the Tashkent Railroad in the struggle for the fulfillment of the seven-year plan ahead of schedule. p.113.

VSESOIUZNYI SOVET NAUCHNO-TEKHNICHESKIKH OBSHCHESTV Nauchno-tekhnicheskie obshchestva SSSR [ALL-UNION COUNCIL OF SCIENTIFIC TECHNOLOGICAL SOCIETIES Scientific Technological Societies of the U.S.S.R.] Moscow, vol 5, no 8(56), Aug 1963

Table of contents translated
Train a builder of communism in creative work p 2
Varvarov, N - New stage of space conquest. p 6
Zedginidze, G, Lordkipandze, Z. - Improve the activity of organizations of scientific and technological societies p 9
Kuz'min, V - Wide possibilities for major industrial chemical complexes p 12
Sohol', D - Sons and stepsons p 15
Tikhonenko, A - Outrunning the time p 18
Shilapin, A, Volodin, V - Advanced methods for fattening swines p 21
Napol'skii, M. - Advanced wage systems in collective farms. p.25.
On the road of research and achievements. p.28.
Khrestin, N. - Increased authority p.31
Chernov, A - Toward a new animation of the activity of societies p 33.
Stoliarov, N - Nonutilized potentialities p.35
More attention to new equipment p 37
IAshin, IA. - Everyday work of the creators of automatic control equipment p 39
Kottiar, G - Duty to the people p 42
Volodin, V. - Building-up by welding should be used in production p 43
Vishniakov, V - Secret of achievements p 45
Skuratov, M - Sign of a working man p 48
Kostenko, P. - The most important section of our work p.51.
Vinogradov, V. - Initiative and desire to work are necessary p 52.
Kil'man, IA. - Develop voluntary principles p.53
Malakhov, M - Use advanced experience p.54
Bredun, I. - Day of an engineer p.55
Zulkov, V - "Aesthetics of work" by N Sinaev p.57
Videnov, I - Scientific and technological societies in Bulgaria. p 58
In leisure hours p.60.

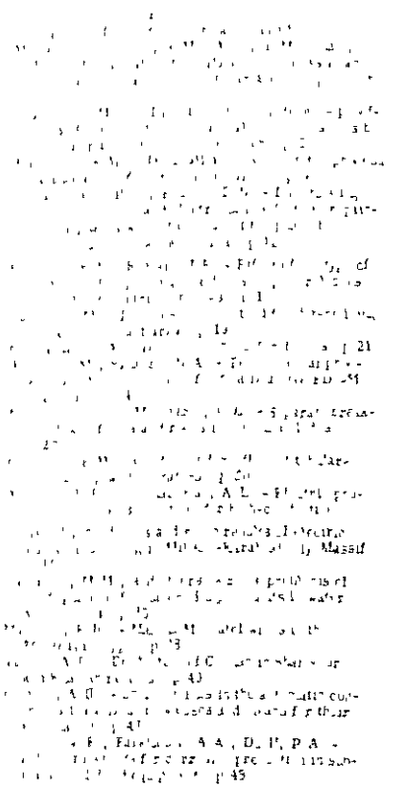
ZA INDUSTRIAL'NUIU RIAZAN' [FOR INDUSTRIAL RYAZAN] Issued by Sovet narodnogo khoziaistva Riazanskogo ekonomicheskogo administrativnogo raiona [Economic Council of the Ryazan Economic Administrative Region]. Ryazan, no 2, Dec 1961

Table of contents translated:
Let us build a powerful economic and technical foundation of communism. p.3.
Borisov, A.M. - At the threshold of the fourth year of the seven-year plan. p.5.
Lysova, A.I. - Do not stop with the achievement. p.9.
Monastyrskii, Kh.A. - Mechanic A.A.Gorenkov. p.10.
Borzev, V.D. - On account of 1964. p.11.
Vil'nov, N.M. - We do not receive complaints. p.12.
Kas'ianov, A. - At the Skopin Glass Factory. p.14.
Kudinov, B.N. - The most important condition for technical development. p.17.
Zhideleva, L.P. - Introduction of new equipment and expansion of industrial production using State Bank credits. p.19.
Usanov, M.S. - Modernization of carding machines. p.21.
Buzin, A.A. - For advanced and technically substantiated norms for the expenditure of materials. p.22.
Tiushin, P.I. - Welding and electric build up of rails on approaches to industrial enterprises. p.23
Vlasov, S.G. - Build rapidly, inexpensively, and well. p.24.
Boev, M.M., Fedorova, O.G. - Great life of the "Spartak" plant. p.27.
Bernas, M.S. - Rapid construction of apartment houses. p.29.
Budaeva, V.A. - Industrial structures in industrial building. p.32.
L'vov, I.A. - Speed up the fulfillment of the decisions of the 22d Congress of the CPSU on over-all mechanization and automation of production processes. p.33.
Novozhilov, IU.N., Abramov, G.I. - Automation of operating processes of boiler units at the Novo-Ryazan Thermal-Electric Power Station. p.35.
Sysoev, I.N - For present and future plants. p.40.
Golovitsyn, IU.K. - From manual stamping to conveyor production. p.42.
Griaznov, L.A. - Industrial units for utilizing waste gases and solutions. p.44.
Roginkin, E.S. - Semiautomatic device for the reading of ranges. p.46.
Stabin, I.P., Shirman, V.G. - New technological processes for obtaining dressed rubble of local raw materials. p 47.
Gavrilin, I.M - Limiter of the filling of tank cars with petroleum products p 49.
Vel'chanskii, L.S., Sachkov, I.A - Standardization of technological processes of the assembly of parts in the machinery industry. p.50.
Rotov, I.G. - Innovator N.A Malikov p 53.
Kutlovskaia, A.E., Bessmertnaia, G.D. - Using volatile inhibitors as anti-corrosives for metals p.53.
Semenikhin, E.M. - Reconditioning thermocouples. p 54.
Bondarevskaia, E.A. - Packaging machine tools for tropical countries. p.55
Margarian, V.P. - Solution of salt and aluminum oxide by means of compressed air. p 56
Sultimov, D.S. - Machine for cutting out round billets. p.57.
Denkin, N.N. - Efficient innovators. p.58.
Latyntsev, M.P - Glass facing tile. p 58.
IAstrebova, A. - Beltless drive for the FUP machine for milling sole curtailments p.59
Frolova, A.N, Kopytina, M.G. - Changing the shape of the internal back belt in chrome-leather boots with teased tops p.60.
Manzhos, G.A - Use of ultrasonic techniques in the industry of the Ryazan Economic Region. p.61.
IUdin, V.S. - Functions of technical councils should be transferred to initial organizations of scientific and technological societies p.63
Nagornyi, IA.A - First experience in the production of biomycin-vitamin preparations for livestock breeding p 64.
Timofeev, N.I. - Continuous potato harvesting. p 67
Erokhin, A.A. - Enterprises of the Economic Council at the Exhibition of Achievements of the National Economy of the U.S.S.R. p.69.
Achievement of workers of an enterprise of communist labor. p.70
In the technical and economic council. p.70
Foreign periodicals translated into Russian. p.70.
Conference of the readers of "Mashinostroitel'." p.70.
Electroplating in founding. p 71.
New machine for foundries. p.71
Semiautomatic coil winding machine p.71.
Straightening of tool-steel and brass wire p 71.
Device for welding thin sheet metal. p 71.
New books. p 72.

ZA TEKHNICHESKII PROGRESS [FOR TECHNOLOGICAL PROGRESS]. Organ of Gosudarstvennyi komitet Soveta Ministrov Azerbaidzhanskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot and Sovet narodnogo khoziaistva Azerbaidzhanskoi SSR [State Committee of the Council of Ministers of the Azerbaijan S.S.R. for the Coordination of Research and the Economic Council of the Azerbaijan S.S.R.] Baku, vol 3, no 3(27), Mar 1963

Table of contents translated.
Aliev, T.M, Ter-Khachaturov, A.A. - Investigation of the device for taking amplitude-phase characteristics of four-poles in subsonic frequency range. p 1.
Shain, I.L., Kontarovich, V.B. - Universal automatic a.c. device. p.4.
Makhmudov, IU.A., Muradova, Z.M - Control circuit for digital recorders with automatic binary to decimal conversion. p.9
Kalantarov, M.I - Automatic control circuit for an electrodynamic brake of low-power generators. p.12.
Guliaev, M.A., Mamedov, M.M, Abdullaev, K.M. - Testing reconditioned separating devices of the BG-35 boilers using softened water from the Dzheyran-Batan Lake. p.14.
Melikov, M.M - Present state of the manufacture of roller bits and means for further improvement of its technological processes. p 17.
Aliev, Sh.N. - Friction of sucker rod-sleeves with pump piping p.21.
Lopatukhin, I.M., Nozhin, V.I., Mukhtarov, M.I - Improving technological processes of the machining of water-cooled mandrels. p 25
Bektashi, S.A. - Methods for plotting metallogenic maps by means of composition diagrams. p.27.
Abdulzade, A.M., Mamedov, T.R. - Resistances arising in roller bearings of bit supports. p.30.
Agalarov, M.S. - Dzheyran-Batan water reservoir as a source for urban and industrial water supply. p.33
Kerimov, G.G. - Milk production and the elimination of its seasonal fluctuations is an important economic objective. p.36.
Dadashev, E.N. - Production of sherry-type wine by the method of oxidizing autolysis of yeast. p.38.
Seltanov, A.G. - Stone-screenings distributor used in surface finishing of black gravel pavements. p.41.
Babaev, R.G., Odaiskii, P.D. - New method for cleaning vessels for petroleum products. p.43.
Arshava, A.M. - Hydroelectric power stations and the reproduction of fishes. p.45.

719 - 838 O - 64 - 7



b. AERONAUTICS

[illegible] [AVIATION AND ASTRONAUTICS], [illegible], Sept. 1963.

Table of contents translated

[illegible] p. 2

[illegible] Technical Academy [illegible] p. 6

[illegible] and pilot, [illegible] (continued) [illegible]

[illegible] p. 16.

[illegible] p. 21.

[illegible] p. 25.

[illegible] - Initiative should [illegible]

[illegible] p. 39

[illegible] - Radar identification of [illegible]

[illegible] and landing into the carpt. [illegible]

[illegible] p. 52.

[illegible] - Adjustable surface generators, [illegible]

[illegible] p. 62

[illegible] p. 68.

[illegible] - The train designer. p. 72.

[illegible] Pages of a heroic biography. p. 77.

[illegible] - Books on problems in astronautics. [illegible]

[illegible] - Shortcomings of a finished plant [illegible]

[illegible] - Automatic guidance system. [illegible]

[illegible] - Experience of the X-20 "Dyna-Soar" [illegible] p. 91.

TRUDY, AVIATSIONNYI INSTITUT. Trudy [AERONAUTICAL INSTITUTE. Transactions] No. 66, 1961. Aviatsionnye dvigateli [Airplane engines].

Table of contents translated

[illegible] - Organization of the combustion process of a heavy fuel in combustion chambers of gas-turbine units. p. 3.

Arsen'ev, N.I., Alabaev, N.K. - Analytic determination of the friction power of piston engines. p. 19

Bakmanov, N.E. - Effect of the chord dimension on the characteristics of turbine cascades. p. 33.

Kuz'min, G.A. - Taking out sections in the plane of rotation of rotor blades of axial-flow compressors and turbines. p. 43

Demidovich, V.M. - Calculating thermal conditions of roller bearings in gas-turbine engines. p. 49.

Gol'dberg, V.I., Druzhinin, S.A. - Selection of characteristic dimensions for porous metals. p. 63

Rebrov, A.K. - Experimental investigation of heat transfer of cylinders under free rarefied-air flow conditions. p. 73.

Fedorov, I.G. - Experimental investigation of heat transfer and resistance of slotted channels with an unstaggered arrangement of stamped conic grooves. p. 83.

Rebrov, A.K., Kislikov, N.I. - Heat transfer of a limited plane plate under free rarefied air flow conditions. p. 91.

Shishkov, M.D., Pospelov, G.A. - Investigating vibration resistance of gas lubricated bearings. p. 97.

Zhukov, V.V., Nilov, A.A. - X-ray diffraction study of the surface layer of some heat resistant alloys after heat treatment in various gas media. p. 111.

No. 68, 1962 Matematika i mekhanika [Mathematics and mechanics].

Table of contents translated:

Vorob'ev, I.I. - Steadiness of certain cases of the motion of solid bodies with one fixed point for a finite time interval. p. 3.

Khalkin, M.I., - Solvability of the inverse mixed boundary value problem. p. 11

Talantova, N.V. - Monomial subgroups of the motions of the biaxial parabolic-type $B_3^{(2)}$ space. p. 21.

REFERATIVNYI ZHURNAL: AVIATSIONNYE I RAKETNYE DVIGATELI (Otdel'nyi vypusk 34) [JOURNAL OF ABSTRACTS *AIRCRAFT AND ROCKET ENGINES* (Separate Issue 34)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, Oct. 1963.

REFERATIVNYI ZHURNAL: RAKETOSTROENIE (Otdel'nyi vypusk 41) [*JOURNAL OF ABSTRACTS: ROCKET BUILDING* (Separate Issue 41)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. *Moscow, no. 10, Oct. 1963.*

REFERATIVNYI ZHURNAL: VOZDUSHNYI TRANSPORT [JOURNAL OF ABSTRACTS. AIR TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, Oct. 1963. [This journal is also issued in parts.]

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i [illegible] kh uchebn [illegible] of High [illegible] " [illegible] l- [illegible] neering]. *Moscow, vol. 8, no. 3, 1963.*

Table of contents translated

Bulygina, E.V., Takubo, L.T. - Hypersonic aircraft *with a self-balancing surface.* p. 3.

Kozhevnikov, Iu.V. - Optimization of flight conditions and the parameters of *stage rockets.* p. 11.

Prikhod'ko, I.M. - Temperature field of a plate with *a heat-transfer coefficient* and environment temperature varying with time. p. 21.

Strashinina, K.P. - Solution of differential equations of the flow of a viscous *fluid in a conic diffuser* and between two cones without the consideration of inertia members. p. 28.

Tarasov, E.V. - Optimum motion conditions for flying craft. p. 34.

Kholiavko, V.I - Aerodynamic characteristics of profiles and airfoils with blunt leading *edges* at high supersonic speeds. p. 43.

Tret'iak, V.G. - An approach to the *problem of the* bulging of an infinite strip in shearing. p. 51.

Vasilenko, V.T. - Overheating of radial packings of rotating shafts. p. 54.

Zenukov, A.G. - Design methods and results of experimental investigation of a turbine blade *with* air cooling. p. 57.

Lokai, V.I. - Optimum gas temperature field before a turbine. p. 70.

Repukhov, V.M. - Pulsation in a composite system. p. 78.

Sozin, Iu.A. - Experimental *investigation* of convective heat transfer in a pulsating noncompressible-fluid flow. p. 87.

Talantov, A.V. - Mechanism of combustion in a turbulent flow of a homogeneous mixture. p. 92.

Fortinov, L.G. - *Determining* geometrical dimensions of the elements of rubber ring sealings of hydraulic and pneumatic units. p. 100.

Kurzin, V.B. - Unsteady efflux in a converging channel in case of a maximum discharge. p. 113.

Bellaev, N.M., Shandorov, G.S. - [illegible] residual of liquids on internal walls [illegible] of emptied reservoirs. p. 118

Shevelev, A.S., Fedorchenko, G.P. [illegible] total error in a given direction. p. 125

To reader's attention. p. 129

VOPROSY RAKETNOI TEKHNIKI; sbornik perevodov inostrannoi periodicheskoi literatury [PROBLEMS OF ROCKET ENGINEERING, Translations and Surveys of Foreign Periodical Literature] Published by Izd-vo inostrannoi lit-ry [Publishing House of Foreign Literature]. Moscow, Vol. 13, [illegible] *10(106), 1963.*

c. CHEMICAL TECHNOLOGY

GIDROLIZNAIA I LESOKHIMICHESKAIA PROMYSHLENNOST' *[HYDROLYSIS AND WOOD CHEMICAL INDUSTRY]*. Issued by Gosudarstvennyi nauchno-issledovatel'skii institut gidroliznoi, sulfitno-spirtovoi, lesonoi, sulfitno-bumazhnoi, derevoplitnoi i lesokhimicheskoi promyshlennosti i lesnogo khozyaistva Gosplane SSSR and TSentral'noe proektno-konstruktorskoe i derevoobrabatyvaiushchee promyshlennosti [State Committee for the Forest, Woodpulp, Paper and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industries]. Moscow, vol. 16, no. 6, 1963.

Table of contents translated

Andreev, A.A. - Increase the efficiency of [illegible] of research work. p. 1.

Kaganovich, Iu.A., and others. - Drying of [illegible] foods in the fluidized bed. p. 3.

Shatalov, V.P., and others. - Hydrogenation [illegible] under atmospheric pressure. p. 5.

Naidenov, A.K., Shanider, E.E., Shpindler, [illegible] Dryer for cellolignin obtained from [illegible] p. 7.

Bedenko, V.F. - Intensification of oleoresin [illegible] pine tapping with sulfuric acid by the [illegible] method. p. 10.

Bulynko, M.G., Tsoplianov, O.A. - Manufacture [illegible] strong briquets from the lignin of cellulose [illegible] p. 12.

Rushnov, N.P. - Calculating the mixed [illegible] *wood chipping.* p. 13.

Olovenikov, G.B. - Tapping with sulfur [illegible] descending method and spreading of the [illegible] of the streak. p. 16.

Gordeev, A.V., Tobuldanovskii, A.N. - [illegible] terminology. p. 17.

Pogosov, Iu.L. - Use of gaseous hydrogen [illegible] for lint destruction. p. 18.

Shaposhnikov, Iu.K., Vedenеev, K.P., Vostrikov, Iu.V. - Separate determining of the butyl [illegible] of volatile acids by the gas-liquid chromatographic method. p. 20.

Mashkovich, M.I., Firsov, A.I. - Heat coat [illegible] of semiprocessed chemical products of wood. p. 22.

New booklets. p. 23.

Kitusov, P.N. - Improving the quality of raw materials for the hydrolysis industry. p. 24.

Naumets, I.A. - Expansion of the Saratov Lignin Plant. p. 26.

Medovaia, A.S. - Use of the piezometric meter level measuring in the yeast growing tank. p. 27.

Iakovlev, V.IA. - Redesigning of the bubble cap tower. p. 27.

Shilov, Iu.P., Batikov, L.S. - Experimental [illegible] tion of DSG-25 separators. p. 28.

Baksheev, I.I., Munakova, T.P. - Ways and [illegible] nomic efficiency of improving the quality of raw materials. p. 28.

Complete chemical processing of vegetable tinctures p. 30.

*KAUCHUK I REZINA [CRUDE AND VULCANIZED RUBBER]. Organ of Gosudarstvennyi komitet po [illegible] mii pri Gosplane SSSR and Vsesoiuznoe khimicheskoe obshchestvo imeni D.I. Mendeleeva [State Committee for Chemistry, Attached to the State Planning Committee of the U.S.S.R., and the D.I. Mendeleev All-Union Chemical Society]. Moscow, vol. 22, [illegible] Aug. 1963.

Table of contents translated:

Averianov, S.V., and others. - Radiation vulcanization of heterosiloxane rubber. p. 1.

Zakharov, N.D., Matorov, G.A. - Vulcanizability of chloroprene rubber with epoxy resins. p. 6

Darovskikh, G.T., Kusov, A.B., Krivokhina, I.O. Studying the effect of the formula on the relevant properties of rubber. p. 12.

Shurgal'skii, E.F. - Performance of the rubber and metal valves. p. 14.

Sokolovskaia, F.M., Bogacvskii, A.P. - Wedge belts in foreign countries. p. 18.

Magaril, R.Z., Aksenova, E.I. - Effect of the sulfur present in active furnace black on the rate of decomposition of hydrogen peroxide. p. 24.

Shepelev, M. I., and others. - Investigating the properties of the gels from chloroprene L-7 latex. p.27
Grinberg, A.E., and others. - Vulcanizing action of some derivatives of dithiocarbamic acid. p. 32.
Karaseva, A.F. - Labor productivity and wages in the KTI rubber plants during 1962. p. 36
Solov'eva, S.M. - Studying the effect of the design features on the operative properties of the membranes of molder-vulcanizers p. 40.
Aristov, E.M. - New system for cooling the press molds in the autoclave method of vulcanization p. 46
Ogenov, G.A., Shishkov, N.F. - Programming regulators for ebonite vulcanization p. 48.
Dorogov, A.A. - Device for determining the tensile strength characteristics of radiosonde balloons. p. 49.
Zazymkin, S.I. - Sanitary conditions of work in the shops of the Voronezh Synthetic Rubber Plant. p. 50
Arkhangel'skii, N.M. - Labor productivity at the "Kauchuk" Plant. p. 53.
Behrle, K. - Letter to the editor p. 54.
New developments in foreign science and technology. p. 57
Reviews and bibliography. p. 61.

KAZAN. KHIMIKO-TEKHNOLOGICHESKII INSTITUT. Trudy [INSTITUTE OF CHEMICAL TECHNOLOGY. Transactions]. No. 30, 1962.

Table of contents translated.
Nikolaeva, A.D., Nikolaev, V.S. - Gil'm Khairevich Kamai, on his sixtieth birthday p. 3.
Kamai, Gil'm, Tsivunin, V.S., Papina, L.A. - Some esters of ethyl-α-bromovinylphosphinic acid. p. 11
Kamai, Gil'm, Kharsova, F.M., Tukhvatullina, S.Iu. - n-Butyl ester of phenyltrichloromethylphosphinic acid. p. 18.
Arbuzov, A.E., Shapshinskaia, O.M. - Reactions of exchange decomposition of metallic derivatives of acid amides. Report No. 2. Interaction of sodium and silver salts of benzamide with monochloromethyl, monobromomethyl, and monochloromethylethyl ethers. p. 22.
Razumov, A.I., Zabusova, N.G. - Phosphinic and phosphonic acid series. Report No. 14. Some derivatives diethylcarboxymethylphosphine oxide. p. 28.
Razumov, A.I., Zabusova, N.G. - Phosphinic and phosphonic acid series. Report No. 15. Atomic refraction of phosphorus in phosphine oxides. p. 37.
Il'ina, N.A., Lukovnikova, A.P., Abramov, V.S. - Reactions of aldehydes and ketones with phosphorous acid amides. Report No. 5. Action of α-chloro-substituted aldehydes and ketones on di-β-chloroethylphosphorous acid diethylamide p. 40.
Abramov, V.S., Shalman, A.L. - Reactions of dialkyl phosphorous acids with aldehydes and ketones. Report No. 25. Esters of α-hydroxy-β,β,β',β'-tetrachloroisopropylphosphinic acid. p. 45.
Kirpichnikov, P.A., and others. - Alkyl aryl esters of pyrocatecholphosphorous acid, new stabilizers of polymers. Report No. 1. Synthesis of alkyl aryl esters of pyrocatecholphosphorous acid. p. 47.
Kirpichnikov, P.A., Krasil'nikova, E.A., Saratov, I.E. - Some unsaturated esters of phosphorous acid. p. 52.
Kadyrova, V.Kh., Kirpichnikov, P.A., Tokareva, L.G. - Synthesis of organophosphorus stabilizers of polymers. p. 58.
Kuznetsov, E.V., Devitaeva, R.S. - Phosphorylation of polyethylene. p. 63.
Kuznetsov, E.V., Shermergorn, I.M., Belineva, V.A. - Synthesis of polyesters based on trivalent phosphorus acids by condensation polymerization at the interface p. 70.
Kamai, Gil'm, Zaripov, R.K. - α-Vinyl alkyl esters of arsenious and phenylarsinous acids. p. 77.
Kuznetsov, E.V., and others. - Stabilization of polyethylene terephthalate. p. 82.
Kuznetsov, E.V., Bogdanov, A.P. - Destructive oxidation of α-nitronaphthalene under pressure. p. 89.
Kozlov, L.M., Khannanov, T.M., Abramovich, L.K. - Synthesis of monosubstituted 2-nitroalkyl ethers of ethylene glycol. p. 92.
Kozlov, L.M., Burmistrov, V.I., Solodov, A.V. - Synthesis of nitroalkyl ethers of propylene glycol. p. 96.
Kozlov, L.M., and others. - Plasticization of rubber compounds with nitroparaffins and their derivatives. p. 101.
Kozlov, L.M., Drabkina, L.D., Burmistrov, V.I. - Polymerization of 1-nitro-1-propylene. p. 109.
Kamai, G.Kh. - Synthesis of β-bromo-γ-nitropropylene and study of its nitration with nitrogen dioxide. p. 116.
Kamai, G.Kh., and others. - Synthesis of α-chloro-γ-nitroisopropyl alcohol from allyl chloride. p. 120.
Kamai, G.Kh., and others. - Synthesis of β-nitrocrotonyl alcohol. p. 125.

Kozlov, L.M., Burmistrov, V.I., Sharnina, A.P. - Nitroalkyd resins. Report No. 1: Condensation polymerization of adipic acid with nitrodiols and nitrotriols. p. 128
Kozlov, L.M., Burmistrov, V.I., Khalitova, N.N. - Nitroalkyd resins. Report No. 2. Synthesis of resins based on polyhydric nitro alcohols in maleic acid p. 136.
Kozlov, L.M., Burmistrov, V.I., Sharnina, A.P. - Nitroalkyd resins. Report No. 3. Condensation polymerization of glutaric and pimelic acids with nitrodiols and nitrotriols. p. 144
Kozlov, L.M., Burmistrov, V.I., Abramovich, L.K. - Nitroalkyd resins. Report No. 4. Polynitroesters based on terophthalic and isophthalic acids p. 148.
Kozlov, L.M., Burmistrov, V.I., Khannanova, M.N. - Nitroalkyd resins. Report No. 5. Synthesis of nitroalkyd resins based on phthalic and 3-nitrophthalic acids. p. 155
Kozlov, L.M., and others. - Nitroalkyd resins. Report No. 6. Condensation polymerization of nitrodiols and nitrotriols with oxalic, malonic, and succinic acids. p. 161.
Lyzentseva, M.A., Valetdinov, R.K., Kuznetsov, E.V. - Fireproofing treatment of cotton fabrics p. 170.
Kirpichnikov, P.A., Kornel, I.V. - Preparation of latexes by copolymerization of vinylidene chloride with butadiene and 2-methyl-5-vinylpyridine at low temperature, and some of their properties. p. 174
Mochalov, K.N., Bashkirova, T.I. - Reactions of sodium borohydride with solutions of cadmium salts. p. 178.
Gorokhovskaia, V.I. - Application of the method of oscillographic polarography with sinusoidal voltage to the study of the processes of oxidation and reduction of vanadium on a mercury dropping electrode. p. 185.
Marunina, A.T. - Determination of cadmium by the pyridine-thiocyanate method. p. 193.
Kondrat'ev, S.N., Kuznetsov-Fetisov, L.I., Zinkicheva, K.A. - Vapor pressure, density, and viscosity of stabilized sulfur trioxide. p. 198.
Kondrat'ev, S.N., and others. - Preparation of stabilized sulfuric anhydride under pilot-plant conditions. p. 205.
Krasnyi, Z.B. - Static conditions of the adsorption and desorption of nitrogen dioxide- nitrogen tetroxide p. 213.
Krasnyi, E.B., Kuznetsov-Fetisov, L.I. - Study of adsorption and desorption of nitrogen dioxide-nitrogen tetroxide on technical silica gels ASM and No. 6. p. 223
Vozdvizhenskii, G.S., Kochman, E.D. - Current-voltage investigation of the anodic behavior of zinc in aqueous solutions. p. 240.
Saifullin, R.S. - Electrodeposition and codeposition of particles dispersed in electrolytes. p. 253.
Saifullin, R.S. - Reversal of current during the electrodeposition of silver. p. 259.
Razumov, A.I., and others. - Preparation of dialkyl phosphorous acid chlorides. p. 265.
Kochergin, S.M., Golikov, G.A. - Determination of the quality of the electrode surface by measuring the contact difference of potentials. p. 271.
Kochergin, S.M., Barabanov, V.P., Bogdanov, B.L. - Study of electrolytic transport in solutions of a copolymer of methacrylic acid by the radioactive tracer method. p. 277.
Mochalov, K.N., Saikhov, S.G. - Study of metal borohydrides and related compounds by the method of nuclear magnetic resonance (a preliminary report). p. 282.
Mochalov, K.N., Poltkarpov, S.I. - Heavy metal "borides," new hydrogenation catalysts. p. 288.
Burmistrova, T.P., Terpilovskii, N.N., Nosnielov, V.V. - Influence of certain factors on froth-forming process during the oxidation of p-xylene. p. 289.
Kamai, Gil'm, Mukmenev, E.T. - Pentaerythritol phosphite. p. 296.
Vozdvizhenskii, G.S., Novosel'skii, I.M. - Mechanism of the electrochemical dissolution of aluminum single crystals in acid and alkaline solutions. p. 303.
Chasovskii, E.Z., Zigmund, F.F. - Process of mixing by means of mechanical agitators when a certain amount of heat is being transmitted through the stirred mass. p. 315.
Chasovskii, E.Z., Zigmund, F.F. - Effectiveness of mixing by means of mechanical agitators under anisothermal conditions. p. 320.
Safin, R.Sh., Nikolaev, A.M., Zhavoronkov, N.M. - Study of the processes of physical absorption and chemisorption in a rotary-type apparatus. p. 341.
Ponkarov, I.I., Nikolaev, A.M., Zhavoronkov, N.M. - Limit loads and mass transfer in a rotating-disk extractor. p. 352.
Ponkarov, I.I., Nikolaev, A.M. - Efficiency factor as a criterion for the comparative evaluation of extraction apparatus. p. 360.

KHIMICHESKIE VOLOKNA [SYNTHETIC FIBERS]. Organ of Gosudarstvennyi komitet khimicheskoi i neftianoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical and Petroleum Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, no. 6, 1963.

Table of contents translated
Creation and expansion of the major chemical industry is our urgent task. p. 1.
Gabrielian, G.A., Rogovin, Z.A. - Synthesis of a copolymer of acrylonitrile and dikeleno. p. 2.
Geller, B.E., Kamalov, S., Dautova, F.M. - Coagulation processes occurring during carbochain fiber forming. p. 5
Bedei, N.M., Pakshver, A.B. - Effect of the properties of the polymer on the physicomechanical properties of polyacrylonitrile fibers. p. 9.
U Zhun-zhui [Wu Jung-jui], and others - Radiation grafting of vinyl monomers to polyolefin fibers p. 12.
Afanas'eva, G.N., and others. - Thermoplastic elongation stretching of polyvinyl alcohol fibers. p. 16.
Utevskii, L.E., Perepelkin, K.E. - Effect of thermal treatment on the properties of polyvinyl alcohol fibers. p. 19.
Tsellina, L.A., Mess, A.I., Volf, L.A. - Composition and structure of phosphoric acid esters of polyvinyl alcohol fibers. p. 23.
Mikhailov, N.V., Gorbacheva, V.O., Ievleva, A.K. - Determination of the specific volumes of synthetic fibers at elevated temperatures. p. 26.
Berestnev, V.A., Dubova, L.S., Alekseeva, E.S. - Structure of polyamide fibers studied by the etching test. p. 29.
Dykov, A.N. - Determination of the reactivity of cellulose in the production of cuprammonium fibers. p. 32.
Mingkov, V.A., Nikonova, E.A., Pakshver, E.A. - Structural properties of viscose and their effect on the quality of cord fiber. p. 35.
Serkov, A.T., and others. - Formation of the supermolecular structure of viscose fibers during spinning. p. 40.
Barochina, B.IA., Golland, S.M., Zakhar'ina, S.B. - Complex purification of ventilation air and waste waters from synthetic fiber industries. p. 46.
Mitorenok, L.N. - Determination of suspended matters in waste waters. p. 51.
Averianova, V.M., Glikman, S.A. - Effect of ultrasonic vibrations on the properties of concentrated acetone solutions of acetylcellulose. p. 62.
Nemchenko, E.A., Denisenko, N.V. - Strength of cord subjected to repeated bending tests. p. 65.
Faerman, V.T. - Nature of pulse ultrasonic effects on viscose and acetate fibers. p. 66.
Rodionov, V.A. - Machine for suction and recovery of caprolactam vapors. p. 64.
Kulikova, T.M., Talaeva, G.V., Liphinskii, S.P. - Galette disk pins made of high-alumina ceramics. p. 67.
Bakumenko, T.I., Fikhman, V.F. - Economic aspect of the manufacture of polyvinyl chloride fibers. p. 69.
Abstracts, articles, and books. p. 72.
Brief news. p. 78.

KHIMICHESKOE MASHINOSTROENIE [CHEMICAL MACHINERY MANUFACTURE]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniia pri Gosplane SSSR [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, no. 5, Sep.-Oct. 1963.

Table of contents translated
Mazo, M.D. - We shall introduce modern equipment to chemical industries (Coordination of the planning and design of new equipment for 1964-1965). p. 1.
Ganz, S.N., Kuznetsov, I.E. - Effective devices for the centrifugal dispersion of liquids p. 4.
Telenkov, V.I., Voronkov, A.E. - Pump for the transfer of sulfuric acid. p. 7.
Petrovskii, IU.V., Fastovskii, V.P., Roizon, L.I. - Possibility for the use of plate-type finned heat exchangers in air-fractionating apparatus p. 0.
Shvartsshtein, IA.V., Varshavskaia, L.M. - Hydrodynamic conditions for the fluidization of granular materials in a conical model with a double fluid bed. p. 13.
Zhevnovnyi, A.I. - Thickening of suspensions by filtration without formation of precipitates. p. 16.
Elakhin, N.K., Staresvitskii, S.I. - Heat transfer and hydraulic resistance in dumped packings of regenerators. p. 19.
Prazak, M., Cihal, V., Mečiura, J. - Effect of certain alloying components on the properties of austenite stainless steels. p. 23.
Dverskii, L.S., IAushev, A.M. - On the manufacture of graphite piston rings. p. 26.
Vorik, S.I. - Standards for machines with rotating drums. p. 30.
Timoshenko, P.K. - Economic effectiveness of the introduction of plastics into the chemical machinery manufacture. p. 32.
Glozman, L.P., Volshvillo, V.I., Tkachenko, P.Z. - New design of an oil deflector for compressors. p. 35.
Parfenov, L.I. - Improved design of an alloyed boiler. p. 36.

[illegible] p 37

[illegible] p 44

[illegible] p 46

KHIMIIA I TEKHNOLOGIIA TOPLIV I MASEL [CHEMISTRY AND TECHNOLOGY OF FUEL AND OIL]

[illegible] Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, no 2, 1963

Table of contents translated.

[illegible] p 1

Gorelov, L.A. - Design of pitch coke ovens p. 27.

Bogoslovskii, IU N., Kazinik, E.M., Makarov, G.M. - Temperature distribution in a ring-shaped oven for the continuous coking of coal. p. 30.

Pozin, M.E., Tarat, E.IA., Orekhov, I.I. - Ammonium absorption from coke gas in a bubble type apparatus p. 36

Khanin, I.M., and others. - Intensification of the process of benzene recovery. p. 40

Kollandr, L.IA., Fomenko, G.M., Starkova, L.S. - Obtaining industrial carbon disulfide of a higher purity. p. 44.

Ginzberg, I.E., Kaufman, S.R., TSabutashvili, L.L. - Processing of pyrolysis coal tar in the Transcaucasian Metallurgical Plant. p. 16.

Chen, N.G., and others - Preventing corrosion and scale formation in primary gas coolers p. 49

Filenko, G.G. - Reconditioning of the sorbent in condensate filters p. 53

Shvarts, G.A. - Experience in the operation of coke ovens without the presence of workers for servicing charging hole lids, oven doors and gas collecting mains p. 54

Khar'kovskii, S.E. - Design of foundation slabs for centrifugal pumps. p. 57.

Morozov, V.I. - Mechanization of the repair of filters for naphthalene presses p. 57.

Gurevich, B.A. - Improving the design of the short-circuited rotor of the high-voltage electric motor of the hammer crusher. p. 59.

International unit system. p 60

Zykov, D.D. - New book on the purification of gases. p 62

Apparatus of the "Proabd" firm for fractional crystallization p. 63

LAKOKRASOCHNYE MATERIALY I IKH PRIMENENIE [LACQUER AND PAINT MATERIALS AND THEIR USE] Organ of Gosudarstvennyi komitet khimicheskoi neftianoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical and Petroleum Industry Attached to the State Planning Committee of the U S S R] Moscow, no 4, 1963

Table of contents translated.

Address to the workers of the chemical industry in the Yaroslavl Province p. 1

Zhebrovskii, V.V., Lisovskaia, N.M., Parkhomovskaia, A.D. - Lacquers with a base of epoxy resins modified by phenol-formaldehyde resins. p. 2.

Sorokin, M.F., Khinchina, E.L. - Synthesis of allyl glycidyl ester and butyl methacrylate copolymers p 5.

Sorokin, M.F., Kochnov, I.M. - Synthesis of glycidyl methacrylate and styrene copolymers in solvents and their use as a base for the manufacture of protective coatings. p. 10.

Gurevich, E.S., Frost, A.M. - Use of synthetic rubber as a film-forming base. p. 15.

IAkovlev, A.D., Kosheleva, N.V., Okhrimenko, I.S. - Protective coatings with a base of organic dispersions of polyacrylonitrile. p. 18.

Ermilov, P.I. - Wetting of pigments. p. 23.

Sukhanova, M.V., Novikova, G.G. - Increasing the sedimentation stability of enamel paints containing barium and iron oxide reds by means of the addition of surface-active agents. p. 26.

Lomakin, A.T., Sanzharovskii, A.T., Zubov, P.I. - Studying the physicomechanical properties of PE-220 lacquer coatings in the process of their formation p. 29.

Vladychina, E.N., Serebriankov, S.N., Shelekhina, A.L. - Electric properties of paint materials and the optimum conditions of their spraying in the electric field. p. 32.

Pinchuk, T.A. - Thixotropic GF-220 enamel paints and their application. p. 37.

Maksimova, V.G., and others. - Finishing of wood articles with PE-219N maleic acid polyester lacquer by means of the flow coat method. p. 38.

Abdullin, R.A. - Use of bakelite lacquer for preventing paraffin deposits in petroleum pipes. p. 41.

Ioshpe, M.L. - Various-purpose marking paints. p. 44.

Mandel', R.B., Lerman, M.D., Semashin, V.V. - "Encasing" method for the finishing of panel furniture with polyester varnishes. p. 46

Chupeev, M.A., IAkubovich, S.V., TSiurupa, N.N. - Centrifugal method for the dispersion analysis of pigments and paint systems. p. 47.

Bobyrenko, IU.IA. - Effect of the index of refraction and size of the particles of pigments on their covering power. p. 51.

Dolmatova, M.IU. - Photocolorimetric determining of chromium in the commercial solutions of titanium sulfate. p. 52.

Serebriankov, S.N., Shelekhina, A.L., Stepanova, M.I. - Determining the dielectric permeability of paint materials. p. 54.

Malkin, S.A. - Continuous method for the production of iron oxide red pigments in a furnace with traveling trucks. p. 56.

Kariakina, M.I., Goncharov, I.S. - Pneumatic combined stationary and portable device for determining the degree of chalking of paint coatings. p. 60.

Gots, V.L., Mal'ko, O.B., Baziaev, N.E. - Use of slot sprayers for industrial painting in the electric field. p. 62.

Shapoval'nikov, A.G., Mokliarev, S.A. [illegible] systems of booths for industrial painting [illegible] jet flow coating method p. 66

Vetukhnovskii, Z.B., Dzhazhko, G.P., [illegible] V.I. - Information on the improvement [illegible] industrial painting of articles and [illegible] equipment; literature review. p. 69

Gorbunova, R.I. - Experience in the [illegible] Crystalic spray painting method for [illegible] chairs in the Moscow Furniture [illegible] p. 73

Denker, I.I. - Answering questions on the [illegible] of paint materials. p. 75

Dubrova, I.M., Butenkova, N.V. [illegible] stability of paint coatings during [illegible] ous conditions p. 76

Literature on paint materials and their [illegible] p. 80.

Contents for 1963 announced by the D.I. [illegible] All-Union Chemical Society p. 84

LENINGRAD. TEKHNOLOGICHESKII INSTITUT [illegible] TSELLIULOZNO BUMAZHNOI PROMYSHLENNOSTI [illegible] [TECHNOLOGICAL INSTITUTE FOR THE [illegible] PULP AND PAPER INDUSTRY. Transactions] [illegible] cow, no 11, 1962.

Table of contents translated.

Foreword. p 3

Perekal'skii, N.P., Blatenkova, V.I. - [illegible] cellulose fibers in beating p. 5.

Alikin, V.P., Perekal'skii, N.P. - Physical plasticity in fibers during beating and the effect pulp stock plasticity on the sheet formation [illegible] ties. Report No. 1. p. 13.

Perekal'skii, N.P., Alikin, V.P. - Studying [illegible] ons of woodpulp by the alternate pressure [illegible] p. 18.

Shil'nikov, I.L. - Classification of cellulose [illegible] p. 27.

Perekal'skii, N.P., Shil'nikov, I.L. - Investigating the process of pulp beating in a conical [illegible] Report No 1. p. 35.

Shanin, V.I. - Experimental study of the [illegible] cillions in the operation of the heating cylinders [illegible] paper making machines. p. 49

Maslov, IU.N. - Changes in the strength of [illegible] screens of paper making machines occurring [illegible] their operation. p. 60.

Akim, L.E., Zbarzhek, L.IA., Gurskii, P.E. [illegible] of optical and electron microscopes for [illegible] bleached commercial pulps. p. 64.

Akim, L.E., Kil'dkii, V.E. - Studying the chemical composition and molecular nonuniformity [illegible] nese viscose cellulose. p. 68.

Akim, E.I. - Microscopic and electronmicroscopic examination of samples of hydroxyethyl cellulose p. 63.

Galeeva, N.A. - Bisulfite high-yield woodpulp [illegible] semichemical woodpulp obtained with [illegible] p. 68.

Grabovskii, V.A., and others. - Intensification [illegible] clarification of sulfite liquors in the [illegible] shops of sulfate pulp factories. p. 75.

Grigor'ev, G.P., and others. - Developments [illegible] lus for the lining of the towers for chlorination [illegible] bleaching of pulp. Report No. 1: Improving [illegible] lacquer-paint base coatings. p. 83.

Maksimov, V.I., Bunkuchev, V.A., Turi, A.A. - Testing of an experimental system for hot [illegible] gas purification apparatuses in the blow [illegible] shops of the Segezha Central Paper Combine [illegible]

Flis, I.E., Mishchenko, K.P., Tumanova, T.A. - Thermochemical study of the reduction [illegible] chlorine dioxide and chlorine with sulfur [illegible] dride in water solutions at various temperatures [illegible] p. 94.

Flis, I.E., Tumanova, T.A. - Improving the performance of glass electrodes in the alkaline [illegible] temperatures from 10 to 50°. p. 99.

Vorob'ev, L.M., Flis, I.E. - Electrochemical [illegible] for titanium in hypochlorite solutions p. 105.

Flis, I.E., Pusenok, G.I., Bynaeva, M.E. - [illegible] tentiometric method for the analysis of hypochlorite aqueous solutions. p. 111.

Pusenok, G.I., and others. - Spectrophotometric method for studying the equilibriums of the dissociation of hypochlorous acid in aqueous solutions [illegible] p. 116.

Arkhipova, G.P., Flis, I.E., Mishchenko, K.P. - Thermochemical study of the reduction of potassium chlorate by sulfite in an acid medium. p. 120.

Arkhipov, G.P., Flis, I.E., Mishchenko, K.P. - Spectrophotometric analysis of acid sulfite solutions. p. 126.

Zhilina, L.P., Mishchenko, K.P. - Method for measuring and calculating the coefficients of the activity of the components of electrolyte solutions. p. 131

Klupt, F.B., Grigor'ev, G.D., Dobrolobskaia, R.IU. - New types of suede, velour and velvet materials manufactured with a paper base. p. 141.

Antuf'ev, V.M., Gunov, E.K. - Determining the maximum speeds of a two-way gas flow by the energy characteristics. p. 152.

Potroshkov, V.A. - Determining water vapor content of mixtures with diathermic gases. p. 158.

Kushkov, N.N. - Studying an automatic control system. p. 165.

Podbelko, I.S. - Equation for a surface type condenser without taking into consideration the presence of of liquid in the steam space. p. 170.
Podbelko, I.S. - Studying the direct control of steam pressure and water level in a surface type condenser without taking into consideration the presence of liquid in the steam space. p. 180.
Druzhinin, N.I. - Instruments and systems for testing by the method of electrohydrodynamic analogies and fields for their application p. 189
Perekat'skii, N.P., Emel'ianov, S.I. - Electrostatic device for the continuous measurement of stock concentration in the production lines of woodpulp and paper industries. p. 203.
Morozov, N.F. - Nonlinear problems of the theory of thin plates with p-axes of symmetry. p. 206.
Baram, A.A., Kokushkin, O.A. - Investigating the spectrum of the sound pressure in a rotary apparatus. p. 209.
Novikov, N.E. - Investigating the performance of press felts. p. 212.

MASLOBOINO-ZHIROVAIA PROMYSHLENNOST' [OILS AND FATS INDUSTRY] Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry] Moscow, vol 29, no 8, Aug 1963

Table of contents translated

Our tasks as seen in the light of the resolutions of the Central Committee of the CPSU p 1
Sergeev, A.E. - Generalize work practices and expand more actively the movement for communist labor. p 3.
Pogonkina, N.I., Rzhekhin, V.P - Determining the total content of oxidation products in vegetable oils. p. 7
Markman, A.L., Makhamadaminov, M.D. - New methods for the separation of gossypol p. 11.
Kravchenko, V.D., Omel'chenko, I.S. - Viscosity of the micelles of sunflower seed oil in hexane. p. 13.
Gurovich, B.M - True specific weight of cottonseeds p. 15.
Makovkina, A.I. - New flower raw products for the manufacture of extractive essential oils. p. 16
Belov, V.N., Poliakova, S.G. - Simplified method for the conversion of ω-chlorocarboxylic acids into corresponding lactones. p. 18.
Foksha, A.G., Matygin, V.M. - Ways for reducing the acidity in the production of edible hydrogenated fats. p 20.
Lesiuts, A.A., Karnaukh, A.M., Delnekhovskaia, Z.P. - Studying the properties of individual alkyl sulfates and alkyl sulfates from synthetic aliphatic alcohols. p. 22.
Kachanov, E.G., Stanishevskii, A.I., Kalutskaia, N.P. - Synthetic preparations for the degreasing of metals. p. 24.
Rakhman, B.E. - Silo for storing oil cakes made from unhulled cottonseed. p. 26.
Vasilenko, N.A - Some problems of the installation of exhaust systems in oil plants. p. 26.
Kacher, IA.F., and others. - Pneumatic ChSP make seed cleaner. p. 27.
Sidorenko, I.K - Device for sampling the upper layer of liquids. p. 29.
Lychkin, V.M., and others - Proposals of the efficiency promoters of the Saratov Oils and Fats Combine. p. 30.
Abdiramanov, T.B. - In the Chimbai Oil Mill. p. 31.
Lukanov, K - Oils and fats industry of the Bulgarian People's Republic. p. 31
Popov, P.K. - Information bulletins of economic councils. p. 33.
From the patent literature p. 36.
Bukharin, V.V., and others - Review of A.V. Titov's book "Over-all mechanization in oil mills." p. 37.
Vorotkov, V. - Introduction of the international unit system in the U.S.S.R. p. 43.

Vol 29, no 9, Sep 1963

Table of contents translated:

Put the achievements of chemistry at the service of the perfumery and cosmetics industry. p. 1.
Galushkina, N.A. - Assortment of the oils and fats industry products. p. 4.
Kopelkovskii, V.M., Kostenko, V.K. - Changes in the acid number of oil and losses of dry matter during the drying of sunflower seeds with high oil content. p. 7.
Gavrilenko, I.V., Ismailov, I.M. - Use of oil cakes for solvent binding during extraction. p. 14.
Perchenko, A.A., and others - Thermal refining of synthetic fatty acids. p. 16.
Bospiatov, M.P., Leshchenko, Zh.IA. - Relation between the critical concentrations in micelle formation and the detergency of the aqueous solutions of the mixture of primary and secondary alkyl sulfates. p. 19.
Faingol'd, S.I., Korv, M.I., Tomson, T.V. - Sulfonation of alkyl aromatic hydrocarbons. p. 23.
Minevich, F.N., Shmidt, E.A. - Expanding the processing of customers' sunflower seeds in the enterprises of the economic councils of the R.S.F.S.R. p. 26.
Ilodov, M.V. - Improving the accounting in the glycerin manufacture. p. 29.
Brunshtein, B.A., Klimenko, V.L., Rialukhova, S.F. - Improve the technical and economic indices of the production of synthetic fatty acids. p. 31.
Siganui, I.Sh. - Need for an amendment of the present wage system for maintenance and repair workers. p. 34.
Meerov, IA.S. - Investigating the performance of the MKM supercooler. p. 36.
Kudriashov, A.I. - Tenth anniversary of the Shebekino Chemical Combine. p. 39.
Pozdniak, F.K. - Introduce advanced practices into production. p. 42.
Zavulunov, A.I. - Movement for communist labor in the oils and fats enterprises of Tajikistan. p. 44.
Bukharin, V.V. - Protection of drying towers against destruction. p. 45.
Kliuchevich, A.S. - Contribution of N.N. Zenin to the development of the chemistry and technology of oils and fats. p. 46.

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PIVOVARENNOI, BEZALKOGOL'NOI I VINNOI PROMYSHLENNOSTI. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE FOR THE BREWING, SOFT DRINKS, AND WINE INDUSTRY. Transactions]. No. 9, 1962. Tekhnologiia, biokhimiia i kontrol' piva, bezalkogol'nogo proizvodstva i vinodeliia [Technology, biochemistry, and control of the manufacture of beer and soft drinks and of the secondary fermentation in wine making].

Table of contents translated

Denshchikov, M - Editorial. p. 3.
Denshchikov, M.T., Rylkin, S.S., Zhvirblianskaia, A.IU. - Conditions of the formation of diacetyl, acetoin and 2,3 butylene glycol during fermentation. p 5.
Denshchikov, M.T., Rylkin, S.S., Zhvirblianskaia, A.IU. - Use of the iodometric method for determining aldehydes p. 12.
Denshchikov, M.T., Rylkin, S.S., Zhvirblianskaia, A.IU. - Some observations concerning the formation of aldehydes under the conditions of continuous fermentation. p 14.
Denshchikov, M.T., Rylkin, S.S., Zhvirblianskaia, A.IU. - The likeliest sources of the formation of fusel oils under the conditions of alcohol fermentation. p 18.
Denshchikov, M.T., Rylkin, S.S., Zhvirblianskaia, A.IU. - Some characteristics of yeast cell multiplication under the conditions of continuous fermentation. p. 22.
Denshchikov, M.T., Rylkin, S.S., Zhvirblianskaia, A.IU. - Studying the flocculation capacity of yeast under the conditions of continuous fermentation. p. 32
Litvinova, E.V. - Use of mineral oil in the storage of brewer's yeast obtained by sedimentary fermentation. p. 39.
Litvinova, E.V., Bobikov, E.V. - Using the method of selection from the production for the isolation of the active strains of brewer's yeast. p. 43.
Litvinova, E.V., Bobikov, E.B. - Intensity of beer wort fermentation by the Saccharomyces Carlsbergensis strain 776 as recorded by daily fermentation data. p. 46.
Salmanova, L.S., Bukanova, V.I - Selecting the efficient producer of cytolytic enzymes. p. 48.
Salmanova, L.S., Gorbachkova, E.A., Nuzhdina, T.N - Methods for determining the activity of cytolytic enzymes. p. 53.
Salmanova, L.S., Gorbachkova, E.A. - Carbohydrate composition of hydrolysates obtained as the result of the action of cytolytic fungi cultures on various substrates. p. 62.
Pokrovskaia, N.V., Vorob'eva, M.T. - Development of the methods for obtaining glucose oxidase preparations. p. 69.

*PLASTICHESKIE MASSY [PLASTICS], Organ of Gosudarstvennyi komitet po khimii pri Gosplane SSSR [State Committee for Chemistry, Attached to the State Planning Committee of the U.S.S.R.], Moscow, no. 6, 1963.

Table of contents translated:

Conditions of the contest for the development of efficient antiagers for polymeric materials. p. 1.
Krentsel', B.A., Il'ina, D.E., Adylov, S.A. - Chlorination and sulfochlorination of polyolefins. p. 3.
Korshak, V.V., Mozgova, K.K., Krukovskii, S.P. - Production of grafted copolymers Graft copolymers of polyethylene terophthalate (lavsan) with styrene. p. 9.
Dushin, IU.A. - Effective heat of decomposition of addition polymers. p. 11.
Trostianskaia, E.B., and others. - Combined setting of polyesters for the preparation of articles by the directed fiber preform process. p. 13.
Dobrokhotova, M.L., Chesnokov, G.M., Ermolina, A.V. - Polyamide film PK-4 of longitudinal-transverse stretch forming. p. 15.
Kamenskii, I.V., and others. - Polymeric materials based on the condensation products of alicyclic ketones with aldehydes. Synthesis and study of polyesters based on 2,2,6,6-tetra(hydroxymethyl)cyclohexanol and 2,2,5,5-tetra(hydroxymethyl)cyclopentanone. p. 18.
Andrianov, K.A., Chernliakova, A.M. - Heat-resistant glass textolite SIK-41. p. 21.
Morgunova, M.M., Zhirkin, D.IA., Sobolevskii, M.V. - Synthesis of polyalkyl siloxanes. p. 24.
Akutin, M.S., and others. - Casting of polycarbonates under pressures. p. 26.
Gol'denberg, N. - Evaluation of the possibilities of treating polycarbonates. p. 29
Lebedev, V.P., Shtaikman, I.B., Arzhakov, S.A. - Problems in the mechanics of packing of powdered polymers. p. 32.
Nikolaev, A.N., and others. - Protection of the internal surfaces of chemical apparatus p. 37.
Mikhlubov, L.N., and others. - Effect of the nature of deformation and of the state of the surface of the sample on the elastic constants of the plastic monolith No. 1. p 40.
Sheshakov, V.M. - Study of the performance of polyamide journal bearings. p. 44
Zakharov, K.V. - Strength of laminated plastics p. 47.
Omel'ianov, A.E. - Machines and apparatus for testing polymeric materials. p. 51
Vasil'ev, and others. - Methods of static tests for tensile strength of glass plastics obtained by cold setting. p. 57.
Dagaev, P.P. - Method for evaluating the thermal aging of plastics. p. 61.
Kapkova, E.I., Torlotskaia, L.S., Riaboshtan, D.I - Effect of heat treatment on the properties and structure of articles made from kapron residues. p. 62.
Savarenskii, V.V. - Determination of the temperature limits for applicability of polymeric materials in machinery manufacture. p. 65.
Maisiuk, L.I., Khaiton, Kh.Sh., Zelov, E.V. - Modification of epoxide resins with furyl resins. p. 66.
Zarudnev, L.P. - New automatic devices for the manufacture of tubular articles from plastic materials in Czechoslovakia. p. 70.
Brief news. p. 73.
Bibliography. p. 75

No. 10, 1963.

Table of contents translated

Pozhitskii, I.I. - Provide extensive sources of raw materials for the plastics industry. p. 1.
Zlatina, S.A., Levin, A.N. - Obtaining chemically uniform copolymers. p 3
Sazhin, B.I., Orlova, T.P. - Studying the dielectric losses of the copolymers of tetrafluoroethylene and other fluorine-containing monomers. p. 6.
Korshak, V.V., Gribova, I.A., Andreeva, M.A. - Phosphorus-containing thermosetting resins. p. 11.
Sedov, L.N., Li, P.Z. - Rate of gel formation in unsaturated polyester resins at high temperatures. p. 13.
Burunova, E.N., Kutgenko, A.I., Moshkin, P.A. - Synthesis of the alkyl lactates of methylphosphinic acid. p. 16.
Kuznetsova, A.G., Ivanov, V.I. - Effect of sulfuric acid on the product of cohydrolysis of trimethylchlorosilane and methylphenyldichlorosilane. p 17.
Dugacheva, G.M., Anikin, A.G. - Zonal melting and control of the degree of purity of dimethyldichlorosilane. p 21.
Tendler, V.M. - Investigating the impregnation processes in the manufacture of glass plastics goods. p 24.
Bershtein, V.A., and others. - Mechanism of the effect of the thermochemical treatment of glass fibers on the strength of polyester glass plastics. p. 30.
Tikhomirova, N.S., Kotreley, V.N. - Some methods for calculating the service life of a plastic lining performing in aggressive liquids. p. 36
Gul', V.E., Maizel', N.S., Pasynskaia, A.A. - Investigating the structure and properties of thermosetting electroconductive plastics. p. 39.
Kochurov, N.P., Fedorenko, N.P., Anichkin, N.M. - Economic efficiency of the use of plastics in the manufacture of home refrigerators. p. 43.
Koniukh, I.V., Vinogradov, G.V., Konstantinov, A.A. - Rheology of polymers, microviscosimeter for polymer melts. p. 45.
Bil', V.S., Markovich, V.L. - Effect of the heating conditions of the sample on the value of the coefficient of linear expansion of plastics. p. 50.
Kositskii, L.V. - Determining the deformation characteristics of plastics in bending p 53
Nikolaev, A.N., and others. - Experience in the use of plastics in construction. p 55.
Savarenskii, V.V. - Using electric measurement methods for determining the mechanical strength of polymers. p. 59.
Klenovich, A.S., Mashin, K.P. - Use of epoxy resins in the manufacture of road concrete. p. 61.
Chernousova, L.N. - Use of plastics in the agriculture of capitalist countries. p. 63.
Skilarskii, A.M. - Centrifugal casting of thermoplastics. p. 66.
Zarudnev, L.P. - Manufacture of films from polymer materials by the inflation method in the Czechoslovak Socialist Republic. p. 68.
Tatevos'ian, G.O. - Exhibition of Achievements of the National Economy of the U.S.S.R., new devices for the investigation of macromolecular compounds. p. 69.

Bieev, A. M. - Useful book on glass plastics (B. A Kiselev, "Glass Plastics," State Scientific and Technical Publishing House of Chemical Literature, 1961). p 71.
New literature on polymer materials. p 73

REFERATIVNYI ZHURNAL: KHIMICHESKOE I KHOLODIL'NOE MASHINOSTROENIE (Otdel'nyi vypusk 17) [JOURNAL OF ABSTRACTS: CHEMICAL AND REFRIGERATION MACHINERY MANUFACTURE (Separate Issue 47)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.], Moscow, nos. 4, 11, Apr., Nov., 1963.

SPIRTOVAIA PROMYSHLENNOST' [DISTILLING INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshcheatva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U S. S. R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 28, no. 6, 1962.

Table of contents translated:
Revision of production flow sheets and types of equipment for the enterprises of the alcohol, liqueur and vodka industry. p. 1.
Reizin, P. M. - Utilize the wastes of alcohol production in the creation of a feed base for the stock breeding industry. p. 5.
Kharin, S. E., TSelinskaia, V. L. - Physicochemical properties of water-alcohol-sugar solutions p. 8.
Komarov, A. F. - Drying of feed yeasts in distilleries. p. 11.
Vasil'ev, I. V., Miroshnichenko, G. A. - Return of the ether-aldehyde fraction to the beer still p. 16.
Andreev, K. P., Titman, B. A. - Spring head for clamps. p. 20.
Buravlev, V. L. - Interplant pneumatic conveying. p. 22.
Borisov, V. P., Galiuga, T. N., Gorbash, A. A. - Device for the control of air sterility in factories of antibiotic feeds p. 24.
Zverykin, V. V. - Steam, air and water consumption in the Plakhtyanka and Nemeshayev plants of antibiotic feeds. p. 25.
Asianov, A. E., Martiukov, M. N., Neistat, A. R. - Enamel paint for coating fermentation and storage tanks. p. 30.
Riasov, S. G. - Utilization of waste steam, distilling wash concentrate, lauter water and condensate p. 31.
Ilrchenko, F. A. - Preparing the factories for a new production season. p. 32.
Rybachuk, V. N. - Over-all utilization of raw materials in the distilling industries of the German Democratic Republic. p. 34.
Sen'ko, IA A., Begma, I P - Experience of the Budyiskii Distillery in the reconstruction of its equipment. p. 37.
Grigor'ev, M. M. - Make better use of the productive capacity. p 39
Repeated utilization of feed water in pneumatic malt kilns. p. 41.
Filter for the separation of carbon disulfide compounds. p 42.
Fel'dman, A. I. - Unit for continuous beer cooking and brewing. p. 43.
Faershtern, IA. D. - Expand the mechanization and automation of labor consuming processes. p. 45.
Technical and scientific conference. p. 46.
From pages of newspapers. p. 47.
Conference of the readers of "Spirtovala promyshlennost'" journal. p. 48.

Vol. 29, no. 6, 1963.
Table of contents translated:
Put the potentials of production at the service of the building of communism. p. 1.
Semevskaia, V. E. - Determining fructose content of sugar beet molasses. p. 4.
Isakova, E. A., Fertman, G. I. - Indices of the production of dry rye malt obtained by various malting methods. p. 6.
Faershtern, IA. D. - Chemical stability of glass used for vodka bottles. p. 11.
Kotov, A. I., Grintser, L. I. - Possibility for using penicillin production wastes as ferments. p. 14.
Sokolov, V. A. - Automation of the production processes in distilleries. p. 18.
Galasov, P. N., Stepanov, I. A. - Continuous automatic bottling lines in the Leningrad Liqueur and Vodka Distillery. p. 20.
Nikitin, G. A. - Use of undiluted-molasses distiller's slop for the production of vitamin B12 . p. 23.
IUditskii, D. G. - Economic effect of the new equipment in distilling industries. p. 25.
Guzenberg, A. I. - Analyzing the fulfillment of production norms by the method of comparable indices. p. 29.
Vernyi, A. N., Gofshtein, B. IA. - Industrial plant for the production of feed biomycin. p. 31.
Luniakova, T. T. - Growing of fungous amylase in the Serebryanye Prudy Distillery. p. 33.
Sukhenko, A. A. - Alarm water level indicator for steam boilers. p. 34.
Oshmian, G. L. - Perusing scientific and technical journals p. 35
Artiukhov, V. G., and others. - Losses of fusel oil in the products of yeast separation. p. 36
Makukhina, A. M. - Conference on the production of biomycin and vitamin concentrates p 38
Daniliak, N. I., Kaminskii, R. S. - First Soviet Liquem and Vodka Firm p 40
Manufacture of vodka, brandy, and liquem in Rumania p 41.
Fertman, G. I., Sholkhet, M. I. - Periodical "Kharchova promyslovist'" ("Pishchevala promyshlennost'") p. 41
All-Union inspection of the fulfillment of the plans for research work and of the utilization of the achievements of science and technology in the national economy p. 43
L. I. Chekan, obituary. p. 47.

*STEKLO I KERAMIKA [GLASS AND CERMAICS]. Issued by Gosudarstvennyi komitet po promyshlennosti stroitel'nykh materialov pri Gosstroe SSSR [State Committee for the Building Materials Industry, Attached to the State Committee for Construction in the U. S. S. R.], Moscow, vol. 20, no. 10, Oct. 1963.

Table of contents translated
Botvinkin, O. K., Denisenko, O. N. - Increasing the mechanical strength and the heat-resistance of glass by means of ion exchange. p. 1.
Vitman, F. F., Pukh, V. P. - Economic expediency in the production of window glass with improved strength. p. 4.
Matveev, M. A., Mazo, E. E., Kachur, F. T. - Chemical stability of glass in orthophosphoric acid. p. 8.
Rashin, G. A., Polkvoi, N. A. - Determining certain physical and technical properties of cast stone. p. 11.
Entelis, F. S., Smirnova, A. I. - Investigating plastic molding processes. p. 14.
Akh"lan, A. M. - Various types of bubble forming on glazes. p. 20.
Zaionts, R. M., Ul'ianova, G. G. - Semidry pressing of cordierite shelf tiles. p. 25.
Kuznichenko, A. P. - Peculiarities of the procedure for manufacturing rod insulators. p. 29.
Grosheva, V. M. - Thermochemical treatment of building ceramics on a silicon carbide base. p. 31.
Ivashov, P. V. - Use refractory and high-melting clays from the Kirov, Perm provinces and the Komi A. S. S. R p. 33.
Popova, I. I. - Black spots on glass. p. 34.
Mel'vilenko, D. T. - Patching local burns in the crown of a glass-melting tank furnace without operation stoppage. p. 36.
Gurkovskii, E. V., Kaminskaia, N. L. - Causes of changes in the thermal expansion of milk glass. p. 37.
Kozlova, D. A. - FMG feeders with small grog-refractory arches. p. 40.
Funtikova, K. M., Sazonova, P. A., Begel'fer, K. I. - Rapid determination of iron oxides and aluminum in sand. p. 40.
Gorbatenko, T. I., Ptitsyna, N. I. - Using a dextrin solution as bonding material for high-grog refractories. p. 42.
Glass industry in the United States during 1962. p. 43.
Sheet glass production by the floating ribbon method. p. 45.
Testing of annealed sheet glass. p. 46.
Quality control, of annealed glass. p. 46.
Composition of the metal alloys used in glass forming. p. 46.
Protective action of silicon films on glass surfaces. p. 46.
Method of glass batch treatment. p. 47.
Rapid slip casting of ceramics. p. 47.

d CIVIL & CONSTRUCTION ENGINEERING

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR, Institut po stroitel'stvu, Sverdlovsk. Sbornik trudov [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U. S. S. R. Institute for Construction, Papers]. Moscow, no. 8, 1963. Proektirovanie i stroitel'stvo promyshlennykh zdanii i sooruzhenii [Design and construction of industrial buildings and structures].

Table of contents translated:
Foreword. p. 4.
Nikulin, K. K. - Concerning the layout of rolling mills. p. 9.
Molchanov, A. P., Nikulin, K. K., Titakov, A. I. - Designs for prefabricated buildings of pipe drawing mills. p. 17.
Mal'ginov, S. I. - Designing tunnels for industrial precast concrete enterprises. p. 29.
Desiatov, V. G., Demchenko, V. D. - Buildings in a metallurgical plant serving cultural and public needs. p. 43.
Demchenko, V. D. - Design features and distribution of eating areas in industrial enterprises. p. 50.
Zubov, N. M. - Shop arrangement in the heavy machinery industry during construction stages. p. 64.
Pavlova, L. F. - Some disadvantages in using natural light in welding shops. p. 81.
Kirsanov, V. I., Tarasov, B. L. - Study of the deformations in the framework of industrial buildings under the effect of temperature. p. 90.
Zhdakhin, L. P., Vilen, F. I. - Calculation of walls of prestressed concrete hoppers for strength and rigidity. p. 100.
Sukhanov, V. P. - Problem of determining the deflection of aluminum trusses. p. 115.
Sukhanov, V. P., Timashev, S. A. - Method of evaluating the efficiency of new metal materials for trusses for industrial buildings. p. 128.
Kas'ianenko, I. A. - Characteristics of general design of aluminum plants. p. 136.

AVTOMOBIL'NYE DOROGI [HIGHWAYS]. Issued by Ministerstvo transportnogo stroitel'stva SSSR [Ministry of Construction for the Transportation Industry of the U. S. S. R.]. Moscow, vol. 26, no. 9(251), Sep. 1963.

Table of contents translated
Secure the durability of highways and traffic safety for motor vehicles. p 1.
Koval'chuk, V - Coordinate the road maintenance service with new conditions. p 3
Kiutsyk, M D. - Territorial road-maintenance sections. p 3.
Voskresenskii, V., Slavgorodskii, V. - Requirements of road signs. p. 4.
Kuzovkov, M. M., and others - Fluorescent road signs. p. 5.
Ilinevich, P. I. - Safety white concrete borders. p. 6.
Belashov, V - To improve traffic safety. p. 7.
Bondarenko, L. M. - Economically efficient rough surface. p. 9.
Denisov, I. P. - Improve the maintenance of the allotment zone. p 9.
Dubina, B. V. - Roadside planting in Moldavia. p 10
Naumenko, V. - Organization of the maintenance of roads in winter in the Road Maintenance Section 571. p. 11.
Moroz, I. IA. - Work of snow-protection planting on roads in Zaporozh'ye. p. 12.
Ziganshin, Kh. - Man is educated by a team. p. 13
Anikin. - The oldest highway transport worker in the Far East. p. 13.
Kuznetsov, A. P. - Road beds made of cement-reinforced weak materials. p 14.
Sobolev, P. V. - Testing the compactness of silinesoil banks. p 16.
Lisin, N. V. - Blasting in road construction p. 17.
Elenovich, A. S., Fabrikant, M. A. - New binding material from pyrolytic resins. p. 18.
Birilov, O. - Natural bituminous sands in road construction. p. 19.
Rashchinskii, N. I. - Using cement dust in asphalt concrete mixtures. p. 20.
Slivak, I. M., Sheinis, G. I. - District planning and design of road network. p. 21.
Antonov, M. F., Dobrosel'skaia, T. M. - Planning road network in sparsely populated regions. p. 22
Korzhenevskii, I. B., Loenko, A. A., Chercvkov, V. A. - Determining the laying of upper slopes of mountain roads. p. 23.
Kushnir, L. G. - Practical design of minor water-conducting installations taking accumulation in consideration. p. 26.
Simonin, S. I - New methods of leveling. p 26.
Tkachenko, N. A., Khvostikov, V. V. - Bridges of reinforced concrete slabs. p. 26.
Shaltaniuk. - New types of curbstones. p. 27.
Segal, V. S., Riauzov, M. P. - Magnetic mercury relay for regulating the supply of loose materials and fluids. p. 28.
Kulikov, N. V. - Metal thermometer with a dial indicator. p. 29.
Gabrielian, R. - Combined boring unit. p. 30.
Beinshtein, A. V. - Formation of black pavements. p. 31.
Zhuravlev, A. IA. - Norms for the design of bridge supports require revision. p. 32.
Telegin, M. IA. - New specifications for the maintenance and repair of highways. p. 3 of cover.

MEKHANIZATSIIA STROITEL'STVA [MECHANIZATION OF CONSTRUCTION]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva stroitel'not industrii [State Committee of the Council of Ministers of the U. S. S. R. for Construction and the Central Administration of the Scientific Technological Society of the Construction Industry]. Moscow, vol. 20, no. 9, Sep. 1963.

Table of contents translated:
Shchepet'ev, A. I. - Improve the mechanization of construction. p. 1.
Pashchenko, N. IA. - Effect of the size of the bank on the efficiency of an excavator equipped with straight shovels. p. 4.
Putonikhin, A. N. - Increasing the efficiency of scrapers with inclined banks. p. 7.
Kharin, A. I., IUdichev, V. V. - Using vibration to work up the ground by suction dredges. p. 9.
Suprun, V. K. - Effect of wear on the lowering of the power indices of suction dredges. p. 12.

Priadko, N A. - Use of trolley transportation at quarries for building materials p.13
Martiushov, M.P. - Working frozen ground. p.16.
Lozovol, D A , Pashin, V.D., Trushin, IU.M. - Working frozen ground with rotary excavators in the Main Administration for Industrial Construction in the Volga Area p.17.
Grossov, L.F. - Efficient placing of dump trucks under excavators. p 18
Bardyshev, O.A. - Operating self-propelled D357G scrapers on heavy ground. p.19.
Svirshi, V.A. - Prospects for using jaw-type shovels on excavators equipped with straight shovels. p.20.
Shashkov, I.P. - Vibrating device for earthmoving machinery p.23.
Alimov, O.D., Basov, I.G. - Earth-cutting equipment mounted on the base of ETU-353 excavators. p.24.
Esenov, B. - Effective methods of digging canals in sandy soils. p.26
Masullov, IU G - The E-4010 multipurpose leveler, with a telescopic boom p. 29.
Polobnichii, N.T - Operating NPA-64 and NSh-60V hydraulic pumps mounted on E-153 excavators. p.30.
Through the pages of Soviet journals. p.31.
Through the pages of foreign journals. p.32.

Vol 20, no 10, Oct 1963.
Table of contents translated
Khmelevskii, V.A. - Industrialization of panel finishing. p.1.
Baier, E.IA. - Industrialization and mechanization of finishing work in fully prefabricated construction. p.4.
Shabalina, V.I - Mechanization of gluing of roll roofing materials. p.6.
Ionov, A.N. - Mechanization of the installation and machines for finishing apartment houses. p.9.
Petrov, N.S. - Experimental welding of thermoplastic linoleum floor coverings. p.10.
Gusiatinskii, M.A , Dement'ev, V.I. - Operation of building machinery in the Far North. p.11.
Grossov, L.F. - The BelAZ-540 dump truck. p.13.
Dem'ianenko, A., Voevodin, V. - Mechanization of plastering in the Main Krasnoyarsk Construction Administration. p.14.
Bezbartnyi, N.I., Novatskii, A.A. - Mechanization of finishing work. p.15.
Safronov, Z.A. - Device for the production of paste. p.17.
Protas, N.V. - Mechanized feeding of lime water. p.17.
Denisikin, Z.A., Kabanov, V.S. - Spray disintegrator for processing lime suspended matter. p.18.
Pavlidis, A.K. - Machines for finishing work. p.19.
Svistunov, G.A. - Machine tool for purifying ruberoid. p.20.
Bushin, V.V. - Polishing machine. p.21.
Osipov, V., Tolstikov, V. - New grinding machine. p.22.
Pribyl'skii, M.P. - Lightweight heater for drying buildings. p.23.
Gedeonov, P.P., Chaus, F.A. - Heater for warming and drying buildings p.24.
Matvienko, G.F. - Apparatus for drawing thin colored lines. p.24.
Volkov, V.A. - The S-780 parquet planing machine. p.25.
Chekalin, IU.G. - Unit for drying cement. p 26.
Bratchenko, IU.M., Gritsenko, V.D. - Pneumatic apparatus for introducing admixtures into slag melts. p.27.
Kolen, K.E. - The VVM-45 "Kobra" gasoline engine perforator and concrete breaker. p.27.
Shkundin, B.M. - Hydraulic fill of narrow profile dams and small dikes in agricultural construction. p.28.
From the pages of Soviet periodicals. p.29.

OVOSIBIRSK. INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [INSTITUTE OF RAILROAD TRANSPORTATION ENGINEERS]. Transactions]. Moscow, no.29, 1962. Voprosy proektirovaniia zheleznodorozhnykh stantsii [Design and planning of railroad stations],
Table of contents translated:
Karpov, A.M. - Ways for further expanding and technically equipping classification stations. p.3.
Fedotov, N.I. - Calculating the number of receiving and departure tracks in section and classification stations. p.20.
Karpov, A.M. - Calculating the traffic carrying capacity and the needed expansion volume of station throats. p.31.
Karpov, A.M. - Hump yard throats for mechanized and automated classification humps. p.68.
Bykadorov, A.V. - Automatic speed control of the motion of car cuts down the hump. p.92.
Fedotov, N.I. - Calculating the time spent in the pushing back of cars in a classification yard. p.111.
Karpov, A.M., Alekseev, B.T. - Design and planning of the simplest classification systems. p.128.
Erilov, I.S., Gadeval'di, V.V. - Analyzing the layout of through division stations of single-track railroad lines. p.150.
Borchakov, A.M. - Design and planning of loading stations for the coal mining industry. p.161.

OSNOVANIIA, FUNDAMENTY I MEKHANIKA GRUNTOV [FOUNDATIONS AND SOIL MECHANICS]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R. for Construction]. Moscow, vol.5, no.5, 1963.
Table of contents translated
Berezantsev, V.G - Concerning the compound stressed state of the bases of deep foundations. p 1.
Denisov, N IA. - Concerning the nature of the high sensitivity of quick clays. p.5
Gil'man, IA.D. - Influence of electric discharges on sandy soils p.8.
Filipchuk, L.A., Muzyka, S.F. - Field experiments with sagging soils. p 10.
Shvets, V.B. - Evaluation of foundations made from weathered (alluvial) coarse fragmental soils. p.13.
Sitnikov, M.A. - Several problems concerning the erection of pile foundations p.15.
Sorochan, E.A., Burov, E.S - Pile foundations in swollen soils. p.17
Kanakov, G.V - Determining the supporting capacity of pipe piles with a soil bottom. p 19.
Kosarev, S. - Driving piles into frozen ground with the help of a ballike device. p 23.
Baklashov, I.V. - Evaluation of the influence of an uneven contour upon the distribution of stresses in the vicinity of the development of a circular cross section. p.23.
Osmakov, S.A., Pecherskaia, Sh.L - Calculation of the vertical vibrations of the foundation under the influence of impulsive periodic charging. p.26.
Savel'ev, V.I. - Study of the stability of cohesive soils with a universal geotechnical instrument. p.28.
Goncharov, B.V., Preobrazhenskii, IU.S. - Conference and seminar on the exchange of designing experiments and erection of pile-driven foundations. p.29.
Gavrikov, V.A. - Conference on building construction and construction on sagging soils in the Northern Caucuses and Rostov Province. p.30.
Reviews and bibliography. pp 31-3 of cover.

POZHARNOE DELO [FIRE FIGHTING]. Issued by Ministerstvo vnutrennikh del RSFSR [Ministry of the Interior of the R.S.F.S.R.]. Moscow, vol.9(53), no.7, July 1963.
Table of contents translated:
Glorious jubilee p.1.
Gusev, M - Watchman of the capital. p.3.
Semenov, V. - The start. p.5.
Kekkelev, L. - In the name of life. p.6.
Boboshko, K. - Devotion to duty. p 7.
Belov, V. - Kolpino, a new city. p.9.
IUr'ev, N. - Theirs was the road toward heroic deeds. p.9.
Nazarov, IU. - Comrade from the Putilov Plant. p 11.
Efanova, G. - Across the Oka River. p.13.
Kleptsov, L., Taranautskii, G. - The city can sleep in peace. p.15.
Kaz'min, N. - The night came .. p 16.
Savel'ev, P. - These problems cannot be solved at the desk. p.17.
Kakushkin, L. - Duel in the hold. p 19
Svistunov, A., Volkov, V. - In the Chelyabinsk Tractor Plant. p.20.
Stanovenko, A. - Fire in an apartment house made from large building blocks. p.21.
Zhdanov, S., Makarov, V., Krotova, O. - Device capable of seeing the invisible. p.22.
Berger, M. - New automatic pump. p.24.
Ladekhin, A. - For rural areas p.25.
Kanavin, V. - Valuable innovations. p.25.
Madzigon, P. - Without outside help. p.25.
Khuiko, D. - Journey through life. p.26.
Vnukov, IU. - Heroic deed of a collective. p.27.
Readers' letters. p.30.
In foreign countries. p.31.
New norms. p.32.

Vol.9(53), no.9, Sep. 1963.
Table of contents translated:
Safety of the people is the main concern. 1
Borisova, G. - In the land of the Urals. p
Zaitseva, K. - Volunteer inspectors. p.5.
Nikolaev, I. - Less paperwork, more orga work. p.7.
Voronin, V. - A friend of children. p.9.
Kramerov, N. - A fine is not an aim in itse
Bakin, P. - Vitamin meal. p.11.
Lukin, I. - Drying and processing of tobacc
Voronin, V. - Two explosions. p.13.
Nazarov, IU. - By means of personal exam
Gusev, M. - Age of maturity. p.17.
Krylov, A., Ulkin, L. - Training stations.
Kunakovskikh, V. - Dmitrii Grebenkin, exp and smoke protection services. p.19.
Petrenko, V. - Replacement for obsolete eq p.21.
Berger, M. - New automatic pump. p.22.
Arzhanoi, A., Gridchin, V. - The gates of stations open faster. p.23.
Ladekhin, A. - For rural areas. p.24.
Ivanov, IA. - Stationary air-foam apparatus
Savchenko, P. - Taking the road again. p.2

Afroshenko, M. - Volunteers at work. p.26.
Glushankov, I. - Collective farms buy new fire equipment. p.26.
Kalbushov, I. - Permanent watch. p.27.
Sokirko, V. - Fire well point for sand soils. p.28.
Krylov, I. - From the history of fire prevention. p.29.
Readers' letters. p.30.
In foreign countries. p.32.

PROMYSHLENNOE STROITEL'STVO [INDUSTRIAL CONSTRUCTION]. Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva stroitel'noi industrii [State Committee for Construction in the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Building Industry]. Moscow, vol.40 [i.e. 41], no.6, June 1963.
Table of contents translated:
Loevskii, I.I., Klimenko, E.V. - Construction of blast furnaces in Krivoy Rog. p.2.
Ivanov, A.V. - Construction of the spinning plant of the Cheboksary Cotton Works. p.6.
Khatchatriants, I.T. - Keeping records of actual expenses for model construction. p.9.
Terekhov, V.S., Nalmark, S.I. - Standardizing storehouses of ore preparation enterprises of ferrous metallurgy. p.12.
Greben'kov, B.A., Vetlokopov, R.A. - Plan of a concrete mixing division with horizontal distribution of the equipment. p.16.
Khanykov, V.V. - Drops in height in one-story industrial buildings. p.20.
TSalalikhin, M.S. - Composite roofs of one-story industrial buildings with a large network of columns. p.23.
Klark, G.B., Koshelev, G.G., Berukshtis, G.K. - Corrosion of metals in contact with building materials. p.27.
Tiulenev, S.D., Epshtein, A.Z. - The ark of anchor fastenings of hot-blast stoves of blast furnaces. p.31.
Kokhanov, V.V. - Formwork made of glass reinforced plastic. p.33.
Borisov, B.L. - Providing for the durability of structural elements of shops in which sulfuric acid is liberated. p.35.
Golikov, S.P. - Some results of building industrial buildings on freshly placed fill. p.39.
Kiylov, S.M., Utenko, N.P. - Supporting elements for grab cranes with flangeless running wheels. p.41.
Tusk, G.A. - Methods of creating, locating and fixing a geodetic control network in construction. p.43.
Kolotkov, V. - Introduction of the international system of units in the U.S.S.R. p.46.
Mochalovskii, N.G. - Vertical planning of petroleum refineries. p.49.
Mel'nikov, N.P. - Use of structural elements in Italy. p.50.

Vol.40[i.e. 41], no.7, July 1963.
Table of contents translated:
The introduction of new industrial forces is our main task. p.2.
Ioffo, R.R. - Standard design for the main body of thermal electric power plants. p.4.
Granik, G.B. - Organizing the construction of a great capacity thermal electric power plant of standard design. p.8.
Astrlab, M.IU., Ushakov, N.A. - Problems in standardizing engineering structures. p.14.
Dobrykin, I.M., Levit, E.IA. - Designing plants for the sand and gravel industry. p.20.
Mikhalko, V.R., Piuskii, V.S. - Large elements of cellular concrete for enclosing industrial buildings. p.22.

[illegible] [RAILROAD TRACKS] [illegible]

[illegible]

[illegible] p. 21

[illegible] p. 25

[illegible] p. 27

[illegible] p. 29

[illegible] Improving the [illegible]

[illegible] of a worker's [illegible]

[illegible] for changing the storage [illegible]

[illegible] Efficient [illegible] of the Briansk [illegible]

[illegible] the [illegible] of the [illegible] p. 31

[illegible] results of the analysis of observa- [illegible]

[illegible] p. 36

[illegible] safety [illegible] p. 37

[illegible] control instru- [illegible]

[illegible] Mechanization [illegible] cards. p. 41

[illegible] of railroads by [illegible]

[illegible] p. 43

[illegible] spare rails [illegible] p. 44

[illegible] technicians should [illegible] correspondence.

[illegible] attention to the electric [illegible] p. 45

[illegible] rate the divisions from work [illegible] done by the factories [illegible]

[illegible] for the protection of the road- [illegible]

[illegible] Proposal of a defectoscope me- [illegible]

[illegible], no. 3, 1963.

Table of contents translated

[illegible] operators. p. 1.

[illegible], S.A., Siller, P.A., Anishchenko, F. P. - [illegible] of the collective of communist [illegible] p. 2.

[illegible], A.P., [illegible], A.M. - Efficient [illegible] current maintenance of tracks. p. 6.

[illegible] conference in the Division. p. 6.

[illegible], I.I. - Making savings in fiber insulation. [illegible]

[illegible] conference of railroaders. p. 9.

[illegible], D. [illegible] - Experience in the operation of a con- [illegible] division. p. 10.

[illegible] Exhibition of Achievements of the National Economy to innovators in transporta- tion. p. 12.

[illegible], V.P. - We use new methods for work. p. 13.

[illegible], [illegible] D. - Gardens are flourishing. p. 13.

[illegible], I.M. - Some considerations concerning the evaluation of the track condition. p. 14.

[illegible], H.A. - Substituting reinforced concrete ducts for small bridges. p. 15.

Moskalenko, A.I., Sukhareva, O.T. - Use of the "ShchOM-D" ballast cleaner in the divisions. p. 16.

Fedulov, V.F. - Characteristics of the maintenance of tracks with reinforced concrete ties. p. 19.

Vakulenko, V.D. - Machine cuts the sand ballast. p. 21.

Savkov, E.I. - First results of the new system of work. p. 22.

Dolbnia, K.I. - Excellent track maintenance in the division. p. 22.

Poliakov, V.G. - Alignment of tracks laid on rein- forced concrete ties. p. 23.

Chuan, S.S., Markovchin, G.P. - Make a better utili- zation of mechanisms. p. 24.

Olo'iannikov, M.D., Basaeva, G.K. - Use of nylon bushings in sections with automatic block signaling. p. 25.

Kolomyttseva, R.V. - New technology for laying slag pads. p. 28.

Bunakov, IU.L., IAnovskaia, E.G. - Experience in the use of anchoring devices. p. 29.

Uvarov, S.A., Tikhonov, A.IA. - Providing for safety in work on bridges. p. 31.

Akol'zin, D.A., Akulov, V.E. - Standing watch for safety. p. 32.

Continuous rail tracks make their appearance in Siberia. p. 33.

Odnobokov, F.K. - Always in the front line. p. 34.

Sorokin, B.V. - The correct way to take dynamic ac- tions into account in the evaluation of tracks by the level. p. 35.

Vasilevskii, Zh.B. - Divided depressed sidewalks for all bridges. p. 35.

Radchenko, A.I. - Overhead tractor mounted brush cutter. p. 37.

Safonov, V.V. - Useful proposal. p. 37.

Merinov, I.I. - Tunnel construction worker Gachе- chiladze. p. 38.

Bulatov, V.I. - Shock absorber of a new design. p. 38.

Mikhailik, A.G. - Snow removing machine with brushes. p. 39.

Stepin, V.M. - Drill for drilling holes in the ground. p. 39.

New order of work for track patrolmen. p. 40.

Stundiukov, Kh.Kh. - Performance of the narrow-gauge construction and repair train. p. 41.

Besedovskii, D.A. - Modification of the design of pro- tective tree belts. p. 43.

Matiukin, G.I. - Results of the testing of experimental plantings. p. 43.

Shablinskii, T.G. - Simple method to repair brush fences. p. 44.

Regulations for the design of narrow-gauge tracks for strength. p. 44.

Zhukov, L.F. - Short of ballast crushed stone. p. 45.

Letters to the editor:

Petrash, A.A. - When shall we get the fastenings? p. 47.

Savin, I.E., Vasil'ev, A.IA., Kuznetsov, M.G. - Need for the modernization of gondola cars. p. 47.

Nukka, R.IA. - Means to increase traffic speeds. p. 47.

New books. p. 48.

REFERATIVNYI ZHURNAL: AVTOMOBIL'NYE DOROGI [JOURNAL OF ABSTRACTS: HIGHWAYS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, Oct. 1963

STROITEL'NYE MATERIALY [BUILDING MATERIALS]. Organ of Gosudarstvennyi komitet po promyshlen- nosti stroitel'nykh materialov pri Gosstroe SSSR [State Committee for the Building Materials Industry, Attached to the State Committee for Construction in the U.S.S.R.]. Moscow, vol. 9, no. 9, Sep. 1963.

Table of contents translated:

Source of our strength and our achievements. p. 1.

Review of the fulfillment of the plan by the building materials industry. p. 3.

Nisnevich, M.L., Kasabov, I.A. - Dressing of gravel by the jigging method. p. 5.

Butt, IU.M., Kuatbaev, K. - Methods of raising the durability of silicate autoclave-treated materials. p. 10.

Parimbetov, B., Klochkov, N.D. - Silicate materials from industrial wastes. p. 12.

Levin, N.I., and others. - Gluing of cellular concrete wall panels. p. 16.

Kuznetsov, L.A. - Silicate products for rural con- struction. p. 18.

Shkatulov, D.R. - Use open-hearth furnace slags in precast reinforced concrete construction. p. 19.

In the State Committee of the building materials indus- try. p. 21.

Oranskii, N.I. - Roofing materials made of lignite and ahnfeltia wastes. p. 22.

Ivanov, I.A. - Belgorod workers are raising the through-put capacity of equipment. p. 23.

Khelfets, I.G. - "Fiberplast," a roofing and water- proofing material. p. 25.

Fokin, K.F., Briling, R.E., Khlevchuk, V.R. - Thermotechnical properties of single-core ceramic panels. p. 27.

Babushkina, M.I., and others. - [illegible] and sand. p. 30

Loiko, I.M. - Expanding [illegible]

Derevichev, A.R., [illegible] stable asbestos ebonite tile [illegible]

Ustenko, A.A. - Study of the [illegible] nism in the production of [illegible] p. 32

Ved', E.I., and others. - [illegible] tos cement wastes and their [illegible] insulating materials. p. [illegible]

Budnikov, P.P., Zil'berfarb, [illegible] hydration of lime in sand-lime [illegible]

Sidorov, E.P., Sorochishin, A. [illegible] stone products with polymer [illegible]

Conference on the use of blast-fur[illegible]

Conference on plastics. p. 41

ZHILISHCHNOE STROITEL'STVO [HOUSING CON- STRUCTION]. Organ of Gosudarstvennyi [illegible] po grazhdanskomu stroitel'stvu i arkhitekture [illegible] Gosstroe SSSR and TSentral'noe pravlenie [illegible] stroitel'noi industrii [State Committee for [illegible] Engineering and Architecture, Attached to the State Committee for Construction in the [illegible] and the Central Administration of the [illegible] nological Society of the Building Industry [illegible] no 6, 1963

Table of contents translated

Sokolovskii, N. - Improve the standard [illegible] series 1-335 large-panel apartment [illegible]

Ivanov, V., IAkushov, A., Aktahov, [illegible] large-block apartment houses with large [illegible] ovens. p. 4.

Rudakov, P. - The occupancy and operation [illegible] ment houses for single persons and [illegible] p. 7.

Public review of achievements of [illegible] nology. p. 9.

Moiseenko, Z., Khokhol, IU. - Types of [illegible] to be built in villages of the Ukrainian S.S.R. p. 10.

Mkrtchian, R. - Dwellings for small [illegible] farm villages. p. 12.

Shilov, N. - Construction in the virgin lands [illegible] prefabricated elements. p. 17.

Karnobed, A. - Location of residential [illegible] in cities. p. 21.

Kamenskii, V. - Insulating properties of [illegible] walls of large-panel buildings. p. 25.

Arievich, E., Tolstykh, I. - [illegible] of keramzit concrete slabs 32 cm. [illegible]

Obolonin, A. - Installation of pile foundations [illegible] water. p. 28.

Gromov, V., Tatarinova, V. - Windows [illegible] of rooms. p. 29.

New books of the State Construction [illegible] p. 31.

Savinov, B. - Automated block mortar [illegible]

e. ELECTRICAL ENGINEERING

*ATOMNAIA ENERGIIA [ATOMIC ENERGY]. [illegible] Akademiia nauk SSSR and Gosudarstvennyi [illegible] Soveta Ministrov SSSR po ispol'zovaniiu atomnoi energii [Academy of Sciences of the U.S.S.R. and the State Committee on the Use of Atomic [illegible] of the Council of Ministers of the U.S.S.R.]. Mos- cow, vol. 15, no. 3, Sep. 1963.

Table of contents translated

Bochagov, B.A., Komar, A.P., [illegible] - Kinetic energy and angular distribution [illegible] ments of U^{238} fission by neutrons [illegible] p. 191.

Zolotukhin, V.G., Doroshenko, G.G., [illegible] B.A. - Calculation of pulse amplitude [illegible] and counting efficiencies for a fast [illegible] tion detector. p. 194.

Vasil'ev, R.D., and others. - Study of a [illegible] neutron source. p. 200.

Glazov, A.A., and others. - Effect of a [illegible] on the frequency of free oscillations of [illegible] in an isochronous cyclotron. p. 205

Vukalovich, M.P., Altunin, V.V., Timoshenko, N.I. - Thermodynamic properties of [illegible] at temperatures of 0-1000°C and pressures [illegible] 100 bars. p. 210.

Styrikovich, M.A., Martynova, O.I. - [illegible] tamination in boiling reactors due to water [illegible] purities dissolved in the steam. p. 214.

Golovanov, IU.N., and others. - Mechanism [illegible] lying high-temperature volatilization of [illegible] coprecipitated with various substances. p. [illegible]

IAkubovich, A.L., Zaitsev, E.I., [illegible] - Multicomponent radiometric analysis of [illegible] ples with the LSU-5K scintillation counter [illegible] p. 224.

Ogorodnikov, B.I., and others. - Trapping of [illegible] lived daughter products of radon decay by [illegible] fibrous filters. p. 230.

Malakhov, S.G., Makhon'ko, K.P. - Hot [illegible] the atmosphere. p. 238.

D'iachenko, P.P., and others. - Correlation of the mass distribution of fission fragments with the quantum characteristics of the nucleus at the saddle point p.246
Vinogradov, M.F., Vertebnyi, V.P., Khalilov, A.L. - Resonance levels of erbium isotopes p.247.
Malkin, L.Z., and others. - Energy distribution of spontaneous fission fragments of Cm^{244} p.249
Okolovich, V.N., Smirenkin, G.N. - Channeling effects in the energy dependence of the mean kinetic energy of U^{233} fission fragments. p.250.
Ermakov, S.M., Zolotukhin, V.G., Petrov, E.E. - Calculating the passage of neutrons through a plane polyethylene layer p.253.
Dollnitsyn, E.IA., and others. - Temperature relaxation of a neutron gas. p.256.
Golubev, V.I., and others - Effect of reflectors made from different materials on an increase in neutron capture by the uranium shielding of a fast reactor. p.258
Ponomarev-Stepnoi, N.N., Lomakin, S.S., Degal'tsev, IU.G. - Fuel element on the basis of teflon-4 for critical assemblies p.259.
Golovanov, IU.N., and others. - Mechanism underlying the volatilization of cesium coprecipitated with double nickel and potassium ferrocyanide at high temperatures. p.261.
Styro, B.I., and others. - Presence of alpha-emitting "hot" aerosols in the atmosphere. p 262.
Beliaev, L.I., and others. - Radioactive fallout in the Crimea in 1960-1961. p 264.
O.S. - Seminar on refractory metals, their compounds and alloys p.266.
Nesmelanov, A.N. - Conference on the use of research reactors for chemical research. p.267.
V.K. - Symposium on the selection of building-sites for nuclear reactors and research centers. p.268.
Bochkarev, V. - International Conference on Labeled Compounds. p.269.
IU.K. - Prospects of the growth of power engineering in Sweden until 1980. p 271.
Leshchinskii, N.I. - Revision of the international rules on the transportation of radioactive substances. p.272.
Brief news. p.272.
New literature. p.274.

Vol. 15, no.4, Oct. 1963

Table of contents translated:

Osovets, S.M. - Use of high-frequency electromagnetic fields for plasma confinement and stabilization. p.283.
Agajeva, N.I., Paskar', B.L., Fokin, L.R. - Calculating the thermodynamic properties of cesium vapors at temperatures to 1500°K and pressures to 22 bars. p.292.
Karpov, V.L., and others. - Large-scale radiation-chemistry plant with irradiator made from spent nuclear fuels. p.302.
Petrzhak, K.A., Sudletskii, R.V. - Radiochemical study of the yields of elements of the rare earth group in U^{238} photofission. p.308.
Alkhazashvili, G.M., Nesmelanova, G.M., Kuz'mina, L.N. - Effect of iron minerals contained in ores on uranium oxidation in acid media. p.313.
Balebanov, V.M., and others - Motion of single charged particles in undulating magnetic fields. p.316.
Kovalenko, S.S., Petrzhak, K.A., Adamov, V.M. - Total kinetic energy of U^{233} and Th^{232} fission fragments. p.320.
Maksiutenko, B.P - Lagging neutrons from U^{233} fission by 15 Mev. neutrons. p.321.
Ivanov, R.B., and others. - Determining (Tα) Pu^{241} half-life period. p.322.
Slavitskii, IU.IA., Shapar', A.V. - Fast neutron capture cross sections for copper and zirconium. p.323.
Kushniruk, V.F., and others. - Usability of large-area semiconductor detectors for α-spectrometry. p.324.
Komochkov, M.M., Sychev, B.S. - Attenuation of a high-energy neutron flux in a shielding. p.325.
Golubev, V.I., and others. - Effect of reflectors made from various materials on the number of neutrons captured in the uranium carbide shield of a fast reactor. p.327.
Kimel', L.R., Panchenko, A.M., Terent'ev, V.P. - Calculation of the spectral-angular distribution of scattered gamma quanta from a Cs^{137} monodirectional point source in iron. p.328.
Osanov, D.P. - Effect of the shape of a shielding barrier on the attenuation of gamma rays from volume sources. p.331.
Konstantinov, L.V., Efanov, A.I., Postnikov, V.V. - Measurement of the frequency characteristics of an IRT-1000 type reactor by the oscillator method. p.332.
Smirnov, V.N., Tokareva, D.V. - Some problems affecting the determination of beryllium by the photoneutron method in a laboratory. p.334.
Nichkov, I.F., Raspopin, S.P., TSarenko, A.F. - Uranium displacement by zinc from chloride melts. p.336.
Kuklarenko, N.K., and others. - New type of models of porous strata for neutron logging. p.338.
Styro, B.I., and others. - Secondary dust component of radioactive contaminations in the bottom atmospheric layer. p 339
Osetinskii, G.M - Conference on electrostatic generators and accelerators of direct action. p.342.
Lapostol, P. - International conference on cyclotrons with a sectioned magnet system and meson accelerators. p 343.
Akhachinskii, V. - Symposium on the Thermodynamics of Nuclear Materials. p 346.
Fenyvesi, E., Shcherbak, K., Vara, K. - Use of gamma-ray sources for flaw detection at the Csepel Metallurgical Works (Hungary). p.351.
New literature. p.354.

ATOMNAIA TEKHNIKA ZA RUBEZHOM [NUCLEAR ENGINEERING ABROAD]. Issued by Gosudarstvennyi komitet po ispol'zovaniiu atomnoi energii SSSR [State Committee for the Utilization of Atomic Energy in the U.S.S.R.]. Moscow, vol.7, no.8, Aug. 1963.

AVTOMATYKA [AUTOMATIC CONTROL]. Issued by Instytut elektrotekhniky Akademii nauk URSR [Institute of Electrical Engineering of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol.8, no.4, 1963.

Table of contents translated

Zhuk, K.D. - Use of the inverse operator method in the synthesis of multistage systems. p 3.
Nedavnii, V.S., Shervashidze, V.V. - New method for realizing feedback in a servosystem by the second derivative with respect to the time of the angle of rotation of the tracking axis. p.11.
Ivakhnenko, O.H. - Principles of the construction of self-teaching systems for the control of complex processes. p.17.
Podlypens'kyi, V.S. - Method for synthesizing circuits with magnetic logic elements. p.33.
Kleshchov, V.V., Chekalin, V.H. - Comparative estimation of the volumes of one-layer and multilayer systems. p.45.
Antypenko, V.I - Study of an asynchronous motor in a self-oscillatory mode of operation. p 51
Kachanova, N.A., Umed'ian, V.V. - Programming and calculation of constant operating modes of complex electric power systems. p.63.
Pavlov, V.V. - Sufficient conditions for the invariancy of nonlinear systems. p.65.
Shestopalov, V.M. - Measurement of the speed of relative motion. p.68.
Kel'ner, M.M. - A wonderful tube. p.71.
Kozubovs'kyi, S.F. - Self-teaching machine "SAKI." p.73.
Tunik, A.A. - Work of Indian scientists in the field of automatic control (brief report on a conference on automatic control and computer techniques held at the Bihar Institute of Technology in Dhanbad). p.78
Kleshchov, V.V. - Instruction and research in the field of cybernetics at the University of Wisconsin in the U.S.A. p.81.
Conferences on automatic self-teaching machines. p.85.
Kostiuk, O.M. - Classification of automatic control systems according to control principles. p.88.

ELEKTRICHESKIE STANTSII [ELECTRIC POWER STATIONS]. Organ of Gosplan SSSR [State Planning Committee of the U.S.S.R.] and others. Moscow, vol.34, no.9, Sep. 1963.

Table of contents translated:

Automatic voltage regulation in electric power distribution networks. p.2.
Mel'nikov, N.A. - Improvement of the quality of electric power is an important national economic objective. p.2.
Ketner, K.K. - Improve the quality of electric power. p.6.
Barkan, IA.D. - Principles of the construction and adjustment of automatic voltage regulating systems. p.8.
Barkan, IA.D., Viga, A.IA., Vonsovich, M.IA. - Some problems of the automation of voltage regulation. p.17.
Zabezhinskii, I.I., Chernobrovov, N.V. - Experience in the operation of an automatic voltage regulation system. p.23.
Krasil'nikov, L.V., Mikhnenko, A.P. - New developments in the field of automatic voltage regulation. p.26.
Aleksandrov, I.N., Pekelis, V.G. - Automatic voltage regulation in the feed centers of power distribution networks. p.31.
Arkhipov, N.K. - Design of power distribution networks taking into account voltage regulation. p.35.
Soldatkina, L.A. - Quantitative evaluation of voltage quality in electric power distribution networks. p.38.
Mel'nikov, N.A., Soldatkina, L.A. - Choice of compensating devices. p.43.
Zil'berman, D.I. - Commutation network of large thermal electric power plants with consolidated blocks. p.47.
Zhilin, V.G. - Methods for calculating the structural characteristics of the water feed systems of electric power plants. p.50.
Zalkind, E.M. - New brickwork structure of large steam and water heating boilers. p.56.
Kapel'son, L.M. - Testing of conical ShK 380/550 mills in the anthracite culm grinding operation. p.61.
Komarov, A.N. - Electronic digital printing device for automating fuel weighing operations. p.65.
Ryzhkin, V.IA., Volkov, E.P. - Study of feed pump drive types of heat turbine systems with intermediate steam superheating. p.70.
Polushkin, I.P. - More attention should be paid to public inspection. p.75.
Kirikanchik, A.B., Kuznetsov, P.V. - Engineering and economic comparison of the use of 110 kv oil-filled switches and air switches. p.77.
Bruk, A.D. - Means for decreasing electric power expenditures in the drives of draft and blast machines. p.79.
Prokhorova, A.M., Bukavitskii, IU.M., Ilikin, D.S. - Shortcomings in the design of TKZ ion exchange filters and their correction. p.81.
IUshov, D.M. - Cause of the disconnection of a 110-220 kv. power transmission line. p.83.
Kaetanovich, M.M., Kiyiov, S.V., Frenkel', V.I. - Bolted strain clamps for overhead power transmission lines. p.84.
Aizman, L.IA., Belen'kii, L.S. - Use of a small fork lift truck in the servicing of a substation. p.85.
Rozanov, M.N., and others - Concerning N.S. Shabanin's article "Engineering and economic efficiency of overall automation and remote control in electric power distribution networks." p.87.
Changes and additions to "Safety engineering regulations for operating overhead power distribution lines with voltages exceeding 1,000 volts." p.90.
Changes in "Safety engineering regulations for servicing electrical systems of power plants, substations, municipal electric power distribution networks, and overhead power transmission lines with voltages in excess of 1,000 volts." p.91.
Stepanin, V.G. - Design, manufacture, and operation of dry current limiting reactors with ratings up to 35 kv. p.91.
Aleksandrov, IU.A. - "Belyi ugol'", 60th anniversary of the first Russian hydroelectric power station. p.95.
L.D. Berman; on his 60th birthday. p.96.

ELEKTRICHESTVO [ELECTRICITY]. Organ of Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] and others. Moscow, no.8, Aug. 1963.

Table of contents translated:

Under the great banner of Lenin. p 1
Musin, A.M. - Electric power in agricultural production. p.7.
Vasil'eva, N.P., Pisarev, A.L. - Contactless devices of electric drive control systems. p 13.
Fedorov, V.L. - Choice of an optimum number of working units in hydroelectric power stations and principles of the construction of an automatic operator. p.18.
Kuchinskii, G.S., Kaplan, D.A. - Features of insulation reduction with consideration of the operating voltage. p.21
Bortsov, IU.A., Suvorov, G.V. - Determination of circuit parameters in the simulation of electromagnetic elements p.26.
Approximate method for the determination of an electric field in a uniform conducting media. p.29.
Spitkonov, V.I. - Method for calculating shunting resistance of the arc-quenching systems of low-voltage a.c. control apparatus. p.32.
Ter-Gazarian, G.N - Heating of a hydrogenerator rotor determined by additional losses. p.37.
Mogil'nikov, V.S. - Optimum value of magnetic permeability of a solid rotor of an asynchronous motor. p.42.
Bolarchenkov, M.A. - Some problems concerning the use of self-saturating magnetic amplifiers for controlling d.c. drives. p.46
Anisimov, B.V., and others. - Digital display device using a typotron p.52.
Bronfman, A.I. - Arc travel in ring shaped clearances of spark gaps in magnetic valve dischargers. p.56.
Medvedev, S.K. - Calculation of the electrical strength of a laminated dielectric. p.62.
Zheludev, I.S., Tambovtsev, D.A., Terent'ev, B.P. - Standard properties of seignetoelectrics with a rectangular dielectric hysteresis loop. p.66.
Nefedov, A.A., and others. - Cold-rolled 0.35 mm. thick generator steel. p.70.
Livshits, P.S. - Experimental data on the use of electrical brushes with increased current density in a slide contact. p.73.
Neporozhnii, P.S., and others. - Principal trends in the realization of over-all electrification. p.77.
Content and presentation of a course titled "Theoretical principles of electrical engineering." p.83.
Bessonov, L.A. - Essential measures for the improvement of student training in theoretical principles of electrical engineering. p.83
Kugushev, A.M. - Teaching of electronics and radio engineering subjects. p.85.
Kraus, E.G., Tulin, V.S. - Electric drives and automatic control in mining. p.86.
Concerning the saving and substitutes for nonferrous metals p 92.
Competitions for personal prizes sponsored by the Academy of Sciences of the U.S.S.R p.93.

Grishin, V - Decision of the Presidium of the Central Committee of the Council of Trade Unions of April 6, 1963. p 93.
Kostenko, M.V., and others - V K. Shcherbakov, on his 60th birthday and 35th anniversary of his educational work. p 93.
I I. Solov'ev, on his 60th birthday. p 94
Bogoroditskii, N.P., and others - B M. Vul, on his 60th birthday and 35th anniversary of his scientific work p. 95.
Regulations for the presentation of articles for publication in "Elektrichestvo" p 96

No. 9, Sep. 1963.
Table of contents translated
Tishchenko, N.A. - Dynamic stability of d c rolling mill motors. p. 1
Sviatoslavskii, V.A. - Application of the principle of the maximum in the calculation of optimum control of d.c motors with independent excitation. p. 10.
Strakhovich, K.I., Sokolvishin, IU. A. - Magnetogasdynamic generators of power systems. p 15.
Syromiatnikov, I A. - Economic considerations in the use of expanded (extra-large diameter) wires in high-voltage power transmission lines. p. 23.
Smirnov, B.V., Petrov, V.P. - Transmission of remote control signals using high-voltage distribution lines with zero-sequence network p. 27.
Karasev, V.A. - Effect of eddy currents on transients in electromagnets. p. 33.
Vainshtein, L.M., Mel'nikov, N.A. - Calculation of complex nonsymmetrical operating conditions in electrical systems using a d c. network analyzer. p. 37.
Nikiforovskii, N.N. - Forced excitation in synchronous machines. p. 44.
Timofeev, D.V. - Simplified probability method for calculating nonsymmetrical and nonsinusoidal modes of operation in electrical systems with single-phase traction loads. p 48.
Zhelikhovskii, Kh.M. - Transients in electrical networks in mines. p. 55.
Sokolov, M.M. - Choice of the power rating of an asynchronous motor with choke saturation in the stator circuit used in driving machines with repeated short time mode of operation. p. 60.
Ogurtsov, V.I. - Study of the self-start of synchronous motors using an analog computer. p. 63.
Semenova, N.A., Mitel'man, L.V. - Dynamic magnetization loops of 65NP and 79NM alloys at frequencies up to 10 c.p.s. p. 67.
Goraiko, F.A. - Design of electric drives for repeated short time mode of operation using the minimum installed capacity criterion. p. 70.
Baiko, V.F. - Additional factors in the evaluation of the dynamic stability of amplidynes. p. 73.
Zel'tsburg, L.M., Zhukov, A.A. - Determination of the power and currents of a short-circuit using a derived units technique. p. 76.
Bolotov, V.V., and others. - Transmission of electric power at long distances. Prospects of stepping-up the voltages of overhead power transmission lines. p. 77.
Moskalev, A.G., Zellidzon, E.D., Kuchkin, M.D. - Automatic control of the performance of large consolidated electric power systems according to their frequency and real power. p. 81.
Zhuravlev, V.G. - Determination of the optimum mode of operation of an electric power system. p. 88.
Rizkin, A.A. - Determination of the reaction of a complex circuit using the reaction of a simple circuit. p. 89.
Medovoi, I.L., Smagin, A.P. - Voltage regulation in large autotransformers. p. 90.
Competition for gold medals and prizes established in memory of outstanding scientists and scholars of the Academy of Sciences of the U.S.S.R. p. 91.
Andrianov, V.N., and others. - G.I. Nazarov, on his 60th birthday. p. 92.
Sergeev, A.S. - Dissertations for the degree of candidate of technical sciences. p. 93.
Solodovnikov, V.V., Karabanov, V.V. - Structural methods in the theory of control and electronic automatic control" by A.S. Shatalov. p. 94.

Khazanov, G.L - Method for the synthesis of RC networks. p. 34.
Lanie, A.A - Tabulation of transient processes in electric networks synthesized on the basis of Bessel's polynomials. p. 43.
U'in, A.A - Transfer parameters of an electric transport contact network at frequencies up to 150 kc p. 55
Lisogurskii, V.I., Cherne, Kh.I. - Reaction of some electron-tube amplifier stages to a sine-square pulse. p. 63.
Linkovskii, Zh.D. - Nonparametric evaluation of the frequency and danger of equipment failure. p. 71.
Bykov, V. - Concerning A.A. Rizkin's article "Design of transistor video amplifiers." p 73
Foreign patents. p. 75
Bibliography p. 77.

ENERGETICHESKOE STROITEL'STVO ZA RUBEZHOM; prilozhenie k sborniku "Energeticheskoe stroitel'stvo" [POWER CONSTRUCTION IN FOREIGN COUNTRIES, Supplement to the Periodical "Power Construction"]. Issued by Tekhnicheskoe upravlenie Ministerstva stroitel'stva elektrostantsii SSSR [Technical Administration of the Ministry for the Construction of Electric Power Stations of the U.S.S.R.]. Moscow, no. 14, 1963.

ENERGETIK [ELECTRIC POWER TECHNICIAN]. Issued by Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR and TSentral'nyi komitet Profsoiuza rabochikh elektrostantsii i elektropromyshlennosti [State Committee for the Coordination of Research in the U.S.S.R. and the Central Committee of the Trade Union of Workers of Electric Power Stations and the Electrical Industry]. Moscow, vol. 11, no. 8, Aug. 1963.

Table of contents translated
Preparation for fall and winter season peak power loads. p 1.
Kryzhanovskii, D.N. - Hydrazine conditioning of boilers. p 4.
Consolidation of the use of electric power networks in a business enterprise p. 6.
Liulkov, A.G - Experience in operating TsRS-2 and ARS-2 transmitter-receivers in an electric power distribution system. p 7.
Leizerovich, Sh.L. - Improvement in the operation of the drive mechanism of the control valves of VK, VT and VPT turbines. p 11.
TSeshkovskii, E.V., Martyniv, L.M - Use of pneumatic valves in MZTA electronic automatic control systems. p 11.
Blaglich, V.T. - Two-pulse controller of a hot water supply system p 12
Kotel'nikov, I.G. - Operation of condensate pumps. p. 14.
Fuks, S.N. - Barometric vacuum gauge for measuring the pressure of spent steam of steam turbines. p. 14.
Mitel'man, B.M. - Increase in the life of condenser tubes cooled by sea water. p. 16.
IAnkun, IU.A. - Redesigning oxygen meters. p. 18.
Madolan, A.A., Madolan, L.G. - Ejector thermocouple. p 18.
Kovalevskii, A.P. - Repair of the heat balloons of controllers in thermal networks. p 20.
Dvornikov, A.F. - Experience in increasing the power of a thermal electric power plant. p. 21.
D'iachenko, V.I. - Calculation of time delay and matching according to the selectivity of overcurrent protection systems with a limited dependent characteristic. p. 21.
Polovenko, N.R. - Adjustment of the power supply of a three-phase testing system. p. 24.
Belen'kii, L.S. - Disconnecting of idle transformers and electric power transmission lines with medium length and power rating using 35 kv. cutouts and disconnecting switches. p. 26.
Eliseev, V.P. - Split power supply with electron-tube generators for feeding high-frequency electric furnaces. p. 28.
Kudriavtseva, N.D., Strukov, A.P. - Construction of an industrial signaling system. p. 30
Matvienko, V.E. - Use of special adapters in checking electric meters. p. 33.
Lonin, V.S. - Improvement of the snap hooks of body belts. p 33.
Ivkin, V.G. - Change of the standard network of the d.c. control board of a substation. p. 34.
Bokov, A.S. - Improvement of transport and combustion of Bashkirian coal. p. 35.
Turchin, N.IA. - Design of protective helmets for power plant construction workers. p. 39.
Additions and changes in "Safety engineering regulations for operating overhead power transmission lines with voltages exceeding 1,000 volts." p. 41.
Smirnov, L.P. - Installation of inserts in cables with aluminum strands operating in lines with cables containing copper strands. p. 43.
Kotliar, R.B. - Neutralization of the alkalinity of boiler water. p. 44.
Through the pages of technical journals. p. 44.
In the Technical Council of the State Production Committee on Power Engineering and Electrification of the U.S.S.R. p. 45.

Zero-sequence current transformers for operation bus systems p 47.
Nomenclature on blast and draft machines manufactured by the "Energomash" factory in Khabarovsk in 1963. p 48

Vol. 11, no. 9, Sep. 1963.
Table of contents translated
Loshak, S.B., Polukhin, A.I. - Principal features of the equipment of a 300 Mw. block. p. 1.
Roistacher, K.S. - Choice of effective voltages in electric power distribution networks. p. 6.
Bezrukov, F.V., Galkin, IU.P., Ilinikov, P.A. - Installation of tubular discharge rs. p. 10.
Dvornikov, A.F. - Operation of the 6TS-10 feed pump with water temperature exceeding 150°C. p. 13.
Ryss, A.G. - Decrease in the hydraulic resistance of the pipelines of boiler systems. p. 15.
Balunov, V.V., Malinin, M.S., Miagkov, IU.B. - Design of a burner with mechanical pulverization of mazut. p. 15.
Geiselev, B.A. - Rectifying system using germanium power rectifiers for oil-filled switch drives. p. 17.
Filippov, A.I. - Addition to the start network of a synchronous motor. p. 17.
Karamzin, A.P. - System for flushing oil filled lighting entrances. p. 18.
Elis, M.M. - Wrong choise of fuses. p. 20.
Artem'ev, V.P., Nechaev, E.V. - Burning of anthracite in PMZ furnaces. p. 21.
Alikhanidi, A.G. - Graph for determining choke voltage. p. 24.
Decision No. B-10/63 on the approval of "Instructions for work on operating 35 to 220 kv. overhead power transmission lines." p. 25.
Stoliarov, B.M. - Protection from corrosion of the components of generator systems. p. 25.
Naifel'd, M.R. - Protection of electric entrances in buildings. p. 26.
Through the pages of technical journals. p. 28.
In the Technical Council of the State Production Committee on Power Engineering and Electrification of the U.S.S.R. p. 27.
Outdoor-type K-VIU complex power distribution systems. p. 29.
Nomenclature and characteristics of steam and water system equipment manufactured by the "Tiazhpromarmatura" factory in Penza in 1963. p. 31.

ENERGETIKA I ELEKTROTEKHNICHESKAIA PROMYSHLENNOST' [POWER ENGINEERING AND THE ELECTRIC EQUIPMENT INDUSTRY]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov Ukrainskoi SSR po koordinatsii nauchno issledovatel'skikh rabot and Oblasnye pravlenia Nauchno-tekhnicheskogo obshchestva energopromyshlennosti Ukrainskoi SSR [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Province Administrations of the Scientific and Technological Society of the Power Industry of the Ukrainian S.S.R.]. Kiev, no. 3(15), July-Sep. 1963.

Table of contents translated:
TSipsiura, R.D. - Automatic frequency regulation with composite distribution of active loads between all stations of the electric power system. p 3.
Adamenko, A.I. - Single-phase motors with condenser start without a start winding. p. 7.
Nikitin, B.A. - Design and testing of disk-type asynchronous motors. p. 10.
Mendeleev, I.S. - Some special features in the regulation of d.c. machines using separate feed of excitation windings. p. 13.
Liubchik, M.A. - Experimental determination of the equivalent heat transmission coefficient of coil windings of electrical devices. p. 16.
Stoliar, V.S., Babenko, IU.A., Kryzhanovskii, V.N. - Problems concerning combustion in black combustion chambers of gas turbine systems. p. 20.
Poliatskin, M.A., and others. - Study of combustion and heat exchange processes in the combustion chamber of a gas turbine system operating on natural gas. p. 25.
Sokolovskii, S.A. - Optical and electrical system of an apparatus for measuring the temperature of an electric arc using a spectral line conversion technique. p. 30.
Gol'strem, V.A. - Protection of electric motors. p. 34.
Maidel', M.B., Gritchin, V.V., Smirnov, V.F. - Electrochemical painting of steel components. p. 37.
Rolik, A.I., Koshvanets, A.E., IAkovlev, A.L. - Study of the operation of axial fans in the cooling systems of high-speed PS motors. p. 38.
Karnozhitskii, V.N. - Heat transfer in turbine blades during actual operating conditions. p. 43.
Bannikov, A.I. - Methods for measuring high temperatures using combustible thermocouples. p. 46.
Shakhov, A.I., Muzychenko, A.N., Dushkin, S.S. - Thermal operation of apparatus used in magnetic feed water treatment. p. 50.

Bogatenko, I. N. - Measurement of the temperatures of the armatures of d.c. machines using Hall e.m.f. transducers p.52.

Ershevich, V. V. - Estimated cost of electric power p.54.

Kholmskii, V.G., Shcherbina, Iu. V. - Complex program for calculating the modes of operation of electric networks and optimization of reactive power distribution using an electronic digital computer p.58

Krigmont, V.D., Shcherbakova, N.A. - Testing of hammer mills with centrifugal separators. p.62

Markovskii, F. T., Schavin, G. F. - Consideration of the characteristics of boiler units in the distribution of active loads between electric power plants p.65

Girenko, A.Kh., Smidovich, A.V. - Conditioning of feed water by a magnetic field p.70

Mel'nikov, Iu. D., Sokol., I. B. - Device for locating self-rectifying damages on overhead power transmission lines p.73

Ierusalimov, M. E., Markevich, V. P. - Number of insulators and insulator chains on a 35 to 110 kv power transmission line p.71

Ivashkevich, V.P., Kestel'man, V.N. - Use of plastics in the electric equipment industry. p.76.

Landa, L. - Cold welding of components. p.77

Sementsov, P.P. - Methods for determining engineering and economic efficiency of centralized air supply of industrial enterprises. p.78

Ivanenko, A.S. - Closed-cycle gas turbine systems in the German Federal Republic p.81.

ENERGOKHOZIAISTVO ZA RUBEZHOM; prilozhenie k zhurnalu "Elektricheskie stantsii" [ELECTRIC POWER PRODUCTION AND UTILIZATION IN FOREIGN COUNTRIES, Supplement to the Periodical "Electric Power Stations"]. Issued by Gosudarstvennoe energeticheskoe izdatel'stvo [State Power Engineering Publishing House]. Moscow, no. 5, Sep.-Oct. 1963.

MOSCOW. INSTITUT RADIOELEKTRONIKI I GORNOI ELEKTROMEKHANIKI Nauchnye trudy [INSTITUTE OF RADIO ELECTRONICS AND MINING ELECTRICAL ENGINEERING Studies] No 41, 1962 Raboty Kafedry gornykh mashin i kompleksov [Work of the Department of Mining Machinery and Machine Units]

Table of contents translated,

Topchiev, A.V. - Over-all mechanization and automation in coal mines in the general scheme p.5

Demidov, P.N. - Experimental study of the operation of the "Donbass-1" cutter-loader. p.16.

Solod, V.I. - Principles of calculating the pull of a ring-type chain working part. p.27.

Getopanov, V.N., Zaikov, V.I. - Testing the durability of parts of cutter chains. p.33.

Balykov, V.M. - Reducing the power consumption in breaking coal with a crown working part of a coal cutter-loader. p.41.

Chuan TSzia-iy [Chang Chia-iu]. - Using the drilling method to determine the abrasiveness of rock. p.61.

Getopanov, V.N. - Effect of the geometry of cutters on the process of breaking coals and rocks. p.67.

Khe-Ven' [Ho-Wen]. - Change in the angle of revolution of a cutter during its operation with a rotating cutter bit. p.80.

Safokhin, M.S. - Results of tests of the drilling tool of crosscutting and boring machines in Kuznetsk Basin mines. p.83.

Sammel', L.P. - Mechanization and automatic control of auxiliary operations on drilling rigs for drilling long blastholes. p.92.

Klorik'ian, S.Kh., Koval', P.V., Fillmonov, N.A. - Study of the performance of the parts of metal struts. p.102.

Poderni, R.Iu. - Automatic control of the soil-digging process of a rotary working part. p.109.

Astakhov, A.V. - Results of studying some parameters of the hydraulic system of the feeding part of the LGD-1 coal cutter-loader. p.131.

TSyplakov, Iu.S. - Planetary gear with a planetary pinion. p.138.

Verkhovskii, I.M., Knaus, O.M. - Experimental study of the effect of the jigging cycle on the distribution by height of fractions of specific weight and size in the jig bed. p.145.

OBSHCHAIA ENERGETIKA [GENERAL POWER ENGINEERING]. Issued by Energeticheskii institut Akademii nauk SSSR [Institute of Power Engineering of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, 1963.

Table of contents translated:

Ninetieth anniversary of academician G.M. Krzhizhanovskii's birth. p.3.

Egorov, K.D. - G.M. Krzhizhanovskii and soviet science on economic zoning. p.6.

Zakharin, A.G., Brailov, V.P., Denisov, V.I. - Principal mathematical formulation of a problem concerning the choice of an efficient power distribution system and optimum alternative for the distribution of power resources. p.14.

Brailov, V.P. - Calculation and consideration of the indeterminacy of initial data on a problem of optimization of a power distribution system. p.24.

Nikitin, B.I., and others. - Algorithm for calculating the annual operation of a cascade of hydroelectric power stations using a digital computer. p.30.

Nikitin, B.I., Levishchova, I.L., Sharashkin, N.S. - Determination of fuel expenditures in the comparison of power system alternatives with different types of electric power plants. p.39.

Bessonova, I.N., Sinlak, Iu.V. - Correlation between the abundance of electrical equipment and labor productivity in the U.S.S.R. and U.S.A. p.58.

Nekrasov, A.S., Kurganova, M.A. - Choice of heat carriers for smelting and heating processes in machinery construction. p.72

Nekrasov, A.S., Sinlak, Iu.V. - Temperature boundary in the fields of application of electric power and natural gas in heating processes using pyrometallurgical and electric resistance furnaces. p.83.

Sinlak, Iu.V. - Temperature boundary in the fields of application of electric power and natural gas in heating processes using pyrometallurgical furnaces and induction heating systems p.89.

Pechenin, V.S. - Dynamics of electric power expenditure indices of the coal mines of the Kuznetsk Basin. p.95

Zakharin, A.G., Kanakin, N.S. - Increase in the efficiency of electric power distribution in rural areas and the use of new machinery. p.101

PROMYSHLENNAIA ENERGETIKA [INDUSTRIAL POWER]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR and Nauchno-tekhnicheskoe obshchestvo energeticheskoi promyshlennosti [State Committee for the Coordination of Research in the U.S.S.R. and the Scientific Technological Society of the Power Industry]. Moscow, vol. 18, no. 9, Sep. 1963.

Table of contents translated

Nikolaev, I.V. - Technological and economic considerations in the operation of converter systems p.2

Grigorov, V.G. - Operational indices of an industrial power complex. p.4

Manoilov, V.E., Glazenap, M.S., Fenter, Iu.K. - Investigation of injuries from electricity p.7.

Krylov, B.R., Lezhnev, A.L. - Mechanized processing of oscillograms p.12

Mineev, V.L. - Remote control of the converter systems of M-85 electric filters. p.14.

Gurevich, N.M. - Grounding of electrolytic tanks. p.16

Ogorodnov, S.I. - Voltages in control networks. p.17.

Rabkin, R.L. - Rewinding of an asynchronous motor to operation as an asynchronous frequency converter for supplying power to electric spindles p.18

Bedn, S.S. - What should an electrician's universal tool be like? p.20

Use of deep entrances with 35/10/6 and 110/10/6 kv. transformers p.22.

Gogin, Iu.N., Rutkovskii, Iu.A. - Effect of an intake pipeline on the operation of a piston-type compressor. p.23.

Radvinskii, M.B. - Use of adiamide chemical antifoam agent in boiler feed p.27.

Bruk, A.D., Kholodenko, V.A. - Use of a condensate injection for increasing the efficiency of a piston compressor. p.30

Epshtein, E.I., and others. - Start of converter substations with mercury-arc rectifiers without sorting and forming of the rectifiers. p.32.

Bolcheko, V.I. - Closed coupling of wires with bus conductors p.35.

Arkhipov, N.K. - Problems concerning voltage fluctuations p.37

Lin, M.K. - Simplified methods for heat engineering calculations in the combustion of gaseous mixtures. p.40.

Vol'fkovich, IA.E. - Use of light reflection in controlling the quality of polished and lacquered surfaces. p.43.

Vol'fkovich, IA.E. - Balancing device facilitating manipulations with hand tools. p.44.

Rodionov, V.A. - Electric coolers for cutters. p.44

Khmel'nitskii, L.Z. - Seminar on the efficient use of electric power in metal rolling. p.46.

Petrosov, I.M. - Use of electric power in industrial enterprises of the Azerbaijan S.S.R. p.47.

Liando, I.M. - Display of "Standard boilers for settlements and industrial systems" at the Exhibition of Achievements of the National Economy of the U.S.S.R. p.49.

In brief about new developments. p.51.

Kulovoi, L.N. - Load distribution in a coal mine according to the degree of importance of the operations. p.52.

Spevak, L.B., Fershter, S.I. - Concerning M.R. Naifel'd's article "Pressing problems in the prevention of injuries from electricity." p.54.

Shteingaus, A.Kh. - Design of a water-filled rheostat. p.55.

Points from trade journals. p.56.

Literature on industrial power engineering. p.57.

Control desks, control boxes, and control posts. p.57.

Feed-water economizers, ash collectors, exhaust fans, and fans for DKVR boilers. p.59.

Vol 18, no 10, Oct 1963.

Table of contents translated:

We should strive for the maximum economy of electric power. p.2.

Zasukha, P.F., Volegov, V.P. - Unit expenditure of electric power in hot rolling of strips using an 810 semicontinuous rolling mill. p.5.

Berzhinskii, A.I. - Use of secondary power resources in plants of ferrous metallurgy. p.8.

Stoker, D.D. - Use of infrared gas radiators for heating industrial shops p.15

Kalmykov, I.A. - Automation of low-pressure boiler feed. p.19

Kaiev, V.I., Golkin, N.I. - Adjustment of a heat regenerator installed behind a heating furnace p.21

Rectifier speed control system of an a.c. electric drive. p.24.

Syromiatnikov, I.A. - Automatic excitation control systems of synchronous motors p.27

Grinberg, B.V. - Stand for testing electric motors. p.28.

Al'perovich, L.D. - Drying of synchronous machines using single-phase commercial frequency current. p.30.

Demchishin, E.I. - Special features of the drying of very damp electrical machines p.33.

Pikman, I.IA. - Methods for calculating the electrical loads of industrial enterprises. p.35.

IAblokov, G.I. - Calculation of 36-24 volt intrafactory trolley transportation networks. p.38

Vol'fkovich, IA.E. - Control of electric cars with load hoists without using rheostats p.10

Vol'fkovich, IA.E. - Statistics on electrical fires in Great Britain. p.11.

Vol'fkovich, IA.E. - Statistics on fatal accidents in electrical systems in the U.S.A. in 1961. p.12

Panteleev, M.V. - Conference on the saving of electric and thermal energy. p.13.

Gol'tsman, V.G. - Problem of purification in water supply systems. p.41.

Shakhnovich, M.I. - Use of electric transformers with a pyranol filling p.45.

Through the pages of power engineering journals p.46.

A.c. and d.c. cam controllers p.17

Principal characteristics of boiler units manufactured by the Belgorod Boiler Factory in 1964. p.48.

* RADIOTEKHNIKA [RADIO ENGINEERING]. Organ of Nauchno-tekhnicheskoe obshchestvo radiotekhniki i elektrosviazi im. A.S. Popova [A.S. Popov Scientific Technological Society of Radio Engineering and Telecommunications]. Moscow, vol. 18, no. 7, July 1963.

Table of contents translated

Tikin, I.A. - Conditions of maximum interference rejection of systems with active pause in presence of undetermined phase of the signal. p.3.

Ol'derogge, G.B. - Certain special mathematical correlating codes. p.14.

Solov'ev, E.G. - Contribution to the theory of a nonuniform helical line p.20.

Men', A.V. - Spectral characteristics of phase difference fluctuations. p.25.

Kozyrev, N.D., - Resonant ferrite valve in a round wave guide. p.34.

Deniskin, Iu.D. - H-shaped metal dielectric wave guide with two dielectric plates. p.38

Rozanov, B.A. - Limited bandpass characteristics of a nondegenerated parametric amplifier p.40.

Babanov, Iu.N. - Analysis of signal distortion in special converter stages of a highly selective receiver system. p.50.

Makalmenko, P.IA., Poliakskii, Iu.S. - Use of radio frequencies for industrial and medical purposes. p.60.

Makarov, I.S. - Boundary effect of a magnetic recording head. p.66.

Divnogortsev, G.P. - Modulation or coding? p.73.

Agapov, M.V. - Damping of shock oscillations in the rectifiers of radio systems. p.75

Sudakov, N.M. - Fourth All-Union Scientific and Technical Conference on Electron Microscopy p.77.

Valnberg, M.L. - Plenary Session of the A.S. Popov Branch of the Scientific and Technical Society for Radio and Electronics in Odessa. p.78.

Vol. 18, no. 8, Aug. 1963.

Table of contents translated:

Gorlainov, V.T. - Distribution of the overshoot duration of the smoothed envelope of quasiharmonic noise. p.3.

Nesteruk, V.F. - Use of a pulse batch in the presence of correlated noise. p.10.

One method of harmonic synthesis. p.17.

Vol'man, V.I. - Ferrite switches p.24.

Akchurin, E.A., Berestnev, P.D. - Superregenerative amplifier using tunnel diodes. p.31.

Saprykin, K.V., Shpirbert, L.A. - Feature of television image conversion by different scanning technique. p.36.

Tager, P.G. - Distortions resulting during the conversion of a two-channel stereophonic broadcast to single channel transmission. p.41.

Sorkin, I.M. - Measuring instrument as a source of information. p.49.

Zhupakhin, K.S., Zhupakhin, V.S. - Method for breaking the feedback loop in some electronic automatic devices. p.55.

Kazarinov, Iu.M. - Coverage of a radar station during the automatic tracking of the target. p.59.

Lezin, Iu.S., Zabegalov, B.D. - Noise distribution at the output of a system consisting of two RC filters with intermediate square-law device. p.67.

REFERATIVNYI ZHURNAL: RADIOTEKHNIKA I ELEKTROSVIAZ' [JOURNAL OF ABSTRACTS: RADIO ENGINEERING AND TELECOMMUNICATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, Oct. 1963.

SVETOTEKHNIKA [LIGHTING ENGINEERING]. Organ of Gosudarstvennyi komitet po elektrotekhnike pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva energeticheskoi promyshlennosti [State Committee for Electrical Engineering, attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Power Industry]. Moscow, vol. 9, no. 9, Sep. 1963.

Table of contents translated.

Shifrin, E.B. - Electric lighting of hospital beds p.1

Lazarev, D.N. - Principles of integral measurement of ultraviolet radiation. p.8.

Masekas, S.IU. - Accelerated qualitative evaluation of the life of start regulating apparatus of fluorescent lamps p.13.

Information notes p.21.

Alekhandri, A.G., Krasnopol'skii, A.E., Litvinov, V.S. - Choice of networks for connecting fluorescent lamps p.22

Kliuev, S.A., Gamova, M.I. - Determination of the power coefficient of lighting systems with DRL lamps p.25

Through the pages of foreign magazines. p.28.

Aizenberg, IU.B., Solntseva, Z.A. - Presently manufactured light fixtures with incandescent lamps and their principal characteristics p.27.

Information p.32

V POMOSHCH' RADIOLIUBITELIU [A GUIDE FOR RADIO AMATEURS]. Issued by Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, no. 12, 1962

Table of contents translated

Balashov, M., Merobian, I. - Class II radio receiver with factory made components p.3

Lobutsevich, N., Slezkina, N. - Straight amplification receiver p.15

Matin, S. - Transistor testing devices. p.21

Dolnik, A. - Group-type radiators for sound reproduction p.31

Zelikhenka, A. - Loudspeaker built by amateurs based on the DEMSh-1 capsule. p.47.

VESTNIK ELEKTROPROMYSHLENNOSTI [REVIEW OF THE ELECTRICAL INDUSTRY]. Issued by Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, vol. 34, no. 4, April 1963

Table of contents translated:

Petrov, G.N. - Current objectives of the Russian electric transformer industry. p.1.

Borodulin, IU.B. - Standardization and use of large autotransformers. p.3.

Balashkov, I.S., Karasev, V.V. - Calculation of leakage fields of electric transformers. p.8.

Boriu, N.V. - Calculation of losses in the yoke beams of power transformers. p.13.

Murakhovskaia, M.A. - Stray inductance of the windings of transformers with voltage regulation. p.16.

Balashov, K.K. - Choice of short-circuit voltage for electric transformers. p.20.

Alekseevskii, V.V., Karapetian, V.M., Grigorian, E.B. - New series of distribution transformers with 160 - 630 kv.-a power rating. p.25.

Lazarev, N.S., Mamsurov, A.Kh., Khudiakov, V.V. - Simulation of the forced magnetization of the core of a transformer operating with a rectifier load. p.28.

Man'kin, E.A. - Testing of the heating of transformers feeding six-phase rectifiers. p.31.

Gol'perin, B.B., Zlobinskii, E.L. - Method for calculating a stabilizer based on the principle of a regulated choke. p.32.

Petrov, G.N., and others. - New standards for electric machinery testing methods. p.39.

Alekseev, A.E., Kozhevnikov, V.A. - Commutational stability factor of d.c. motors. p.44.

Mendeleev, I.S., Volokhov, S.A., L.V. - Power losses in the steel of d.c. machines with large inductance values. p.48.

Vinnikov, D.N. - Determination of the maximum angular velocity of the armature of a d.c. motor with change in magnetic flux. p.51.

Blinov, N.N., Bogdanov, D.I. - Automatic compensation of expected voltage drop in a transmission line with switching-in of large loads. p.54.

Kerzikov, V.P. - Introduction of the international system of units in the U.S.S.R. p.59.

Abdullaev, A.A. - Operation of semiconductor diodes in rectifier networks. p.62.

Fish, A.IA., Tarnopol'skii, IU.M. - Choice of the height of the collector plate. p.66.

Blashchitsev, N.P. - Determination of the number of electrolyzers [illegible] series. p.69

Knife switches and [illegible] 6,000 amperes. p.71

Nyrkov, L.A., [illegible] tric cables, with [illegible]

Ashlatov, A.K. - Detection of [illegible] transformer [illegible] the [illegible] test p.70.

VESTNIK SVIAZI [COMMUNICATIONS]. Issued by Ministerstvo sviazi [illegible] and Profsoiuza rabotnikov svia[illegible] nogo transporta i shosseinykh [illegible] Communication of the U.S.S.R. and mittee of the Trade Union of [illegible] ployees and Workers of Auto[illegible] and Highways]. Moscow, [illegible]

Table of contents translated

Every communication worker [illegible] attentive in his relations with [illegible]

Fomin, M.V. - Device for [illegible] power of 1 M short-wave [illegible]

Kapitov, V.K. - Rural [illegible] exchange. p.5.

Gluvchinskii, I.V., Sokolenko, [illegible] vehicle for emergency repair [illegible] munication networks. p.[illegible]

Nesterenko, A.G. - Heat-[illegible] heating. p.8

Taran, N.A. - Telegraph[illegible] Jackfield. p.9

New regulations governing the [illegible] phone networks. p.10

Kuznetsov, P.V., Kuznetsov, M.A. - [illegible] level of economic work in [illegible] p.11.

Savanchuk, V.A. - Reliable [illegible] p.13.

Shamshin, I.A. - Preventive [illegible]

Zhavoronok, V.P. - We are [illegible] to the public. p.16.

Iakunchuk, I.N. - Use of [illegible] mail on steamship routes p.18

Klabukov, L.IA. - Better [illegible] telecommunication enterprises [illegible]

Rakhimov, M.I. - Ultimate [illegible] ing telegrams p.24

Golityn, V.E. - Telegraphy [illegible] strictly observed. p.21

Kazennov, V.E. - Wire broadcasting [illegible] Magadan Province. p.22

Aleksandrin, R.P. - Communist labor [illegible] assists in the upbringing of [illegible]

Zavermitskii, M.IA. - The work[illegible] manual telephone exchange [illegible]

IAkovlev, L.IA. - A competition [illegible] sults. p.26.

Liubavin, N.M. - Groups which [illegible] governmental supervision in [illegible] enterprises. p.29.

Khilinskii, V.M. - Quality [illegible] p.31.

Samsonov, A.S. - With the help of [illegible]

ZARUBEZHNAIA RADIOELEKTRONIKA [RADIO ELECTRONICS ABROAD]. Moscow, no. 10, [illegible]

I. INDUSTRIES & TRADES

AKADEMIIA NAUK URSR, Kiev. *In* [illegible] vaniia. Avtomaticheskaia svarka [AUTOMATIC WELDING]. SCIENCES OF THE UKRAINIAN S.S.R. [illegible] Electric Welding. Automatic Welding] [illegible] no. 9(126), Sep. 1963.

Table of contents translated

Rabkin, D.M., Riabov, V.R., Dovbishchenko, [illegible] Using helium and its mixtures with [illegible] num alloy welding p.1.

Podgaetskii, V.V. - Hydrogen oxidation [illegible] the atmosphere of an arc. p.7.

Golai'skii, IU.N., TSykulenko, A.K., [illegible] B.N. - Welding pearlitic with austenitic [illegible] structures operating at high temperatures [illegible]

Kobin, M.M., Dekhtiar', L.I. - Properties [illegible] fatigue strength of steel on its properties [illegible] residual stresses in hard-faced metal [illegible]

Bagrianskii, K.V., Kal'ianov, V.N., [illegible] Flaking of chromium steel layers deposited [illegible] 65Kh and 60KhGT steel. p.26.

Lakomskii, V.I., Kalinluk, N.N. - Hydrogen [illegible] lity in liquid titanium. p.31.

Gorshkov, A.I., Trot'iakov, F.E. - Effect [illegible] gen and addition elements on the porosity [illegible] in titanium weldments. p.36.

Potap'evskii, A.G., Lapchinskii, V.F. - Dynamic properties of current sources for welding [illegible] bon dioxide. p.42.

Lankin, IU.N. - Welding current regulator [illegible] sistance welders. p.47.

Kushnarev, D.M., Svetlinskii, V.G. - Investigation [illegible] the automatic welding of highly-[illegible]

under ceramic flux. p.53
Ksendzyk, G.V. - Hard facing of wear-resistant cast iron p.61
Remizov, V.E., Ravin, M.M - Welding cromansil steel tanks and pressure vessels with a nonconsumable electrode and a double gas shield. p.72.
Razikov, M.I. - Charging device on drawing machines for the manufacture of powder wire. p 75.
Khasin, G.A., and others. - Production of EI736 and EI961 steel by the electric slag remelting method. p.76.
Prikhod'ko, P.M - Radio-frequency welding of spiral stiffeners to heat-exchanger tubes. p.82.
Kuzin, A.I. - Spot welding of ties for the fastening of lumber. p.83.
Trushchenko, A.A. - Sensitivity of control methods to the tightness of weld joints. p.86.
Litvinchuk, M.D., Lepeshkin, P.P., Savenko, S.S. - Mobile FP-1 flux pad for the welding of longitudinal cylindrical shell joints. p.92.
N.N.Rykalin is 60 years old. p 93.
In the Coordinating Council on Welding. p.94.
Riabov, V.R. -All-Union conference on the welding of dissimilar metals p.95.

'DEREVOOBRABATYVAIUSHCHAIA PROMYSHLENNOST' [WOODWORKING INDUSTRY]. Issued by Gosudarstvennyi komitet po lesnoi, tsellulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and TSentral'noe pravlenie NTO bumazhnoi i derevoobrabatyvaiushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry], Moscow, vol.12, no.4, Apr. 1963.

Table of contents translated

Saltykov, M.I. - Some results and tasks of research on wood processing. p.1.
Competitive display of furniture models for public buildings. p.3
Vinogradskii, V.F. - Vacuum planing of scantling parts on jointing machines. p.4.
Lopushli, L.O. - Apparatus for observing the shrinking of drying lumber p.6
Morozov, N.A., Usherenko, Z.I. - Cooperative production of plywood and bent-glued pieces for furniture. p 9.
Bogdanov, V.A. - Thermal resistance of printed colors in imitation finishing of sheet materials by the hot method. p.10
IAkovleva, O.M. - Effect of some factors on the wear resistance of wood-cutting knives. p.11.
Mel'nikov, V.S - A new standard for wood flour. p.12.
Korotkov, V.P. - Introduction of the international unit system in the U.S.S.R. p.13
Leont'ev, N.L. - Physical and mechanical properties of pithy wood. p.15.
Novikov, S.IA., Nepomnt, G.S. - Effectiveness of the production of furniture for one-family apartments. p.16.
Merzhanov, B.M. - Wardrobes from chipboards serving as partitions. p.18.
Orlov, A.N. - Finish and ornamental materials from polyester glass reinforced plastic materials. p.21.
Posedko, V.E. - From work practices of the Vladivostok Furniture Factory. p 22.
Levanidov, L.M. - We increase the output of high-quality lumber. p.23.
Sledianskii, N.V., Stepaniuk, V.N. - Continuous line of cooling and edging plywood. p.24.
Godzdanker, S.B. - Nomograms for determining the resin content in wood particle and glue mixtures. p.26.
Vorob'ev, A.I. - Semiautomatic drilling and grooving machine p.27.
Den'kach, A.P. - Scraper saw. p.29.
Fedotova, L.N. - Repairing contour-pressed rollers. p.29.
Davidenko, P.A. - Introduced on the initiative of the members of the Scientific and Technical Division. p.30.
Meeting of the key personnel engaged in the economy of the furniture industry of Moscow. p.31.
A new machine for edgewise gluing. p.32.
Automatic machine for manufacturing furniture springs of the "Zmeika" type. p.32.
The USM-51-60 set of furniture. p.2 of cover.
The TRS-100 chipper. p.3 of cover.
New books. insert p.2.

12, no.6, June 1963.
Table of contents translated.
Semenov, A.I. - Perfect the technique, technology, and organization of wood drying. p.1.
Usherenko, Z.I. - Technology of the production of bent-glued furniture parts. p.3.
Kubina, I.I. - Permeability of furniture varnishes to infrared rays. p.5.
Mirnov, A.A. - Remote control of the parameters of air in drying systems. p.8.
Iodfin, N.A., Alekseev, A.A. - Gulding nozzle for the SVPA drilling and grooving machine. p.9.
Golev, B.N., Pimenova, V.I. - Studying the effect of temperature and moisture on the indices of the rheological properties of birch wood. p.10.
All-Union communal review of the fulfillment of the plans of research work and the introduction of the achievements of science and technology in the national economy. p.12.
Asotskii, L.S., Mitoshnichenko, S.N. - Utilization of the waste of compressed laminated wood for the production of wood press particles. p.13.
Kruglov, V.P., Fidlerman, K.N. - Shop for the production of glued bars for the frames of window and door sets. p.14.
Sychugov, G.A. - Standards in the planned system of preventive maintenance. p.16.
Ishin, I.D. - Line for imitation finishing of furniture panels. p.17.
Nikitin, A.V. - Use of the PE-720 varnish for finishing television cases. p.19.
Orlov, A.N. - Bodies of chairs and armchairs from glass reinforced plastic materials. p.20.
Vorob'ev, A.I. - Semiautomatic line for mechanical processing and preparation of door panels for finishing. p.22.
Zakharenko, I.P., Chepovetskii, I.Kh., Sirota, D.A. - Knives with glued-in hard-alloy blades. p.23.
Glebov, A.S. - Conference on the introduction of new, modern materials for furniture finishing. p.24.
Borisenko, Z.V. - Conference on wood drying. p.25.
Sharin, A.G. - About errors in the book "Guide for the foreman of a sawmill." p.26.
Amalitskii, V.V. - Production and processing of chipboards in Sweden. p.27.
Multispindle drilling machine with a round table. p.31.
Hydraulic butting machine. p.32.
The LN-4-62 set of furniture. p.2 of cover.
Meeting of the key woodworking personnel of the Moscow Economic Council. insert: p.2.
New books. insert: p.4.

Vol.12, no.9, Sep. 1963.
Table of contents translated:
Dashkovskii, A.F. - Intensifying the drying of timber at the enterprises of the Ukraine p 1.
Ivanov, IU.M. - Estimating the protective properties of varnish coverings against the deformation of wood p.3.
Lakatosh, B.K. - Determining the color and luster of wood. p.5
Bakul', B.N., Zakharenko, I.P., Chepovetskii, I.Kh. - Sharpening hard-alloy wood-cutting instruments with diamond rings. p.8.
Zakharov, V.V - Adhesive forces between bark and wood at low temperatures. p.10.
Belokon', M.E., and others. - Electric apparatus for chain varnishing. p.11.
Gorelik, M.M., Borisenko, V.S. - The ShOS openside tenon-cutting machine with conveyor feeder. p.13.
Nikolaev, A.F. - Size and direction of the bending of small-diameter blocks in peeling. p.15.
Inozemtsev, G.B. - Liquefaction of varnishes by ultrasonic waves. p.16.
Papiev, G.G. - Enlargement and specialization of furniture manufacturing enterprises in Georgia. p.18.
Davidenko, P.A. - Experiments in introducing polyester enamels for furniture finishing. p.19.
Kiselev, L.V. - Mechanized tank of a sawmill. p.20
Grigor'ev, V.N. - Pneumatic clamps of drilling machines. p.21.
Vinokurov, I.P. - Paste for covering defects in plywood. p.21.
Sem'ianov, A.N. - Pneumatic frame for assembling sectional wooden constructions. p.22.
Results of the contest for the best scientific and technological work among collectives and members of the Scientific and Technical Division. p.24.
Review of research and design work of the Central Furniture Design Bureau completed in 1962. p.25.
Al'terman, N.M. - About the brochure "Financial plan of a woodworking enterprise." p.27.
New books. p.27.
Fridman, V.Sh. - Furniture exhibition of the German Democratic Republic in Moscow. p.28.
Pavlovich, I. - Development of the woodworking industry in Czechoslovakia. p.29
Apparatus for vertical polishing. p.30.
Mechanizing the operations of processing wooden parts. p.31.
New polishing machines. p.31.
Gluing waste laths of particle boards. p.32.
From the pages of technical and economic bulletins. insert: p.2.

Vol.12, no.10, Oct. 1963.
Table of contents translated:
Shvartsman, G.M., Zav'ialova, Z.V. - A new standard for wood particle boards. p.1.
Exhibition of household furniture specimens. p.2.
El'bert, A.A. - Hydrophobization of particle boards by dry atomization of paraffin. p.3.
Petrov, A.K. - High-frequency heating in gluing pieces of great length. p.5.
Dem'ianovskii, K.I., Dunaev, V.D. - Truing the abrasive wheels of knife sharpening machines of the TchN type. p.7.
Kirillov, A.N. - Mathematical method for determining the output of veneer sheets from birch raw materials. p.9.
Smirnov, A.A. - Planning the transformation of house building shops for the production of wooden structural parts. p 10.
Nodel'man, V.M., Diachun, Z.I - Functional requirements of chair design. p.13
Kuzina, A.M., Gorachek, I.M - Improving the frames of round extension tables. p.14.
Shapiro, M.D., Evsiukhin, V.I. - Analyzing the performance of the automatic feeders of circular sawing, milling, and jointing machines. p.15
Kharitonov, G.N., Raspopov, V.A. - Automatic control of chamber-drying of wood. p 18.
Liallin, G.M. - Attachment to the TsPA machine for sawing veneer. p.20
Kostomarov, V.N., Guileva, S.I., Chulkova, E.K - Protecting veneer raw materials from cracking and decay. p.21.
Dobrunov, G.M., Kamneva, G.I - Increasing the efficiency of pneumatic conveyors at saw setting workshops. p.23.
Gerasimov, R.E. - Modernization of the DSh-2 grinder p.24.
Tendler, M.M. - Textbook on the assembly, operation, and repair of woodworking equipment. p.26.
Buglai, B.M. - At the French furniture manufacturing enterprises p.27.
Results of the second turn of the All-Union competition for the best furniture models for residential and public buildings. p.2 of cover.
Loop-clamp for sofa beds. p.32.
Automated sawing shop. p.3 of cover

Moscow furniture workers fulfill successfully their socialist obligations. insert p 2.
New books on sawmilling and woodworking. insert p.4.

KHLEBOPEKARNAIA I KONDITERSKAIA PROMYSHLENNOST' [BAKING AND CONFECTIONERY INDUSTRY], Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry], Moscow, vol.7, no.9, Sep. 1963.

Table of contents translated
Kazanskaia, L.N. - Quantitative determining of dicarboxylic acids in bread. p.1.
Smirnova, G.M., Egorova, L.A. - Evaluating the strains of baker's yeast by their capacity to ferment sugar. p.5.
Shkvarkina, T.I., Zhigunova, V.V. - Characteristics of the baking properties of hulled rye flour based on the autolytic activity p.7
Golovko, IA.V. - The new KhTK-6 dough divider p.9.
Antokol'skaia, M.IA., Rumiantseva, E.F, Khrenko, A.I - Preparation of a charlotte cream filling. p.12.
Belova, L.D. - Nonsugars of molasses and their role in the preparation of yeast. p.14.
Tul'skaia, N.S. - Determining the production capacity of bakeries. p.17.
Grachev, IU.I, Filippov, V.D. - Specialists and the technological progress. p.19.
Popov, P.K., Abeldullina, V.A. - High level of electrification in the enterprises of the confectionery industry. p.22.
Pogorelyi, V.S. - Improving the AVB-100M water measuring tank. p.25.
Gamazinskii, I.S. - New belt dough rounder. p.26.
Trushkina, A.I., and others. - Preparation of the dough for Minsk bread with pure yeast cultures and lactic acid bacteria. p.28
Pasivkin, A.I., Gurina, O.I. - Production of city bread. p 29.
Shchuchko, V.A. - Improved design of the driving pin of the KhDF-M2 dough divider. p.30.
Munirov, Z.M. - At the Samarkand Bakery Combine. p.31.
Zalivanskaia, S.M. - Universal completely mechanized continuous production line for the preparation of syrups. p.32.
Ruzanov, N.M. - Variable length conveyor. p.34.
Gavlin, M.L. - Mechanization of loading and unloading operations. p.35.
Serebrinkov, M.N. - Patents. p.37.
Poliakov, E.S. - Manufacture and trade of macaroni products in Italy. p.38.
Murav'ev, V., and others. - Response to P.A. Plavskii's letter "Transfer to the hourly bonus wage system." p.40.
Kakhrimanov, I. - For high standards in production. p.42.
Advice and consultations. p.42.
Information. p.43.
From pages of newspapers. p.46

MESTNAIA PROMYSHLENNOST' I KHUDOZHESTVENNYE PROMYSLY [LOCAL INDUSTRY AND ART TRADES]. Issued by Gosudarstvennyi komitet Soveta Ministrov RSFSR po delam mestnoi promyshlennosti i khudozhestvennykh promyslov and TsK Profsoiuza rabochikh mestnoi promyshlennosti i kommunal'nogo khoziaistva [State Committee of the Council of Ministers of the R.S.F.S.R. for Local Industry and Art Trades and

[illegible]

[illegible] Central Committee of the Trade Union of Workers of Local Industry and Communal Economy] Mos-[illegible]

[illegible] translated
[illegible] p 1
[illegible] Vasilyev, L. - [illegible] p 2
[illegible] - Trends [illegible] p 4
[illegible] p 6
[illegible] - Mastery [illegible] p 7
[illegible] - Prairie [illegible] p 9
[illegible] - Attention [illegible] p 11
[illegible] p 12
[illegible] - The [illegible] p 13,
[illegible] p 14.
[illegible] greater work out-[illegible] p 15
[illegible] - New raglan de-[illegible] p 17
[illegible] - Three [illegible] p 20
[illegible] - First experiment p 22
[illegible] - How we learn our trade p 23
[illegible] - Rewarding initiative p 24
[illegible] - Labor [illegible] p 24
[illegible] - Visiting [illegible] p 31
[illegible] - Letters [illegible] p 27
[illegible] - Terylene [illegible] p 31,
[illegible] - After the [illegible] p 33
[illegible] p 34
[illegible] p 36
[illegible] p 37
[illegible] by the All-Union House of Fashion Styles p 33

[illegible] INDUSTRY OF THE [illegible]
[illegible] and the [illegible]
[illegible] Abstracted in the State [illegible] and the Central [illegible] Technical Society [illegible] Moscow, vol 34, no 4, 1963
[illegible] translated
[illegible] work p 1
[illegible], L., Alekseyeva, I. - Preparation of cattle [illegible] p 4
[illegible] - Complete utilization of endocrine en-[illegible] raw materials p 6,
[illegible] - Factors affecting the yield of endocrine [illegible] special raw materials. p. 11.
[illegible] and others - Freezing of endocrine [illegible] raw materials in polyethylene films p 16
[illegible] - Our methods for the utilization of [illegible] raw materials p 17
[illegible] - Petrochemistry control of the salting [illegible] preparations p 18
[illegible], Z., Frolova, G. - Production [illegible] p 21
[illegible] - Should the competition for the best [illegible] Equipment. p 22
[illegible], V., Safonov, V. - Thawing of frozen meat [illegible] p 24
[illegible] - Work of the meat industry of the [illegible] Asian Economic Council. p 26
[illegible] - Expansion of refrigeration in the meat [illegible] of Mauritania p 30
[illegible] - Efficient utilization of the poultry plant [illegible] between production seasons. p. 33
[illegible] - Kenya Meat Combine (standard project [illegible] p 33
[illegible], D., Karlikov, V., Parfina, N. - Modification [illegible] system for the receiving of cattle by the [illegible] and payments for cattle based on [illegible] quality of meat. p 37.
[illegible], P. - Payments for beef cattle based on the meat yield. p. 39.
[illegible] of published articles p 42.
[illegible], K. - Meat industry in the first half of 1963. p 43
[illegible], M., Usanets, L. - Construction of sheep [illegible] houses in one of the means for production [illegible]. p 44.
[illegible], G., Nebolsin, V. - Simplified drive for the Model 158A" proportioner-stuffer. p 46.
[illegible]

MOSCOW TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'-SKII INSTITUT PROMYSHLENNOSTI LUBIANYKH VOLOKON. Nauchno-issledovatel'skie trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE BAST FIBER INDUSTRY. Scientific Research Papers] vol 16, 1962

Table of contents translated:

Derbenev, S. I. - Selection and improvement of mechanisms for the aeration of the liquid in aerated water retting. p. 3
Fridman, B. N - Further increase of the operative efficiency of the flax carder. p. 33.
Lazarcva, S. E. - Principles for the composition of blends in flax spinning. p. 50.
Tarasov, S. V., and others. - Trends in the efficient utilization of combing for short flax fibers and wastes p. 99
Lysova, Z. A., Aleksandrovich, K. D. - Comparing the technological efficiency of high-speed draw frames with 6 mm and 9 mm diameter combs. p. 118.
Fridland, G. I., Rozova, Z. S., Semenova, T. F. - Method for determining the activity of tanning extracts. p. 126.
Nikiforov, IU. N. - Automatic correlator. p. 136.
Tregubova, B. L. - Economics of the use of synthetic fibers in the flax and hemp industry. p. 150.

Vol. 17, 1962

Table of contents translated:

Arro, A. A. - Reticulate structure of the bast layer in the stalks of American jute, kenaf, jute and hemp and its role in the system of the mechanical tissues of the stalk. p. 3.
Mironov, K. M., Rostovtseva, N. V. - Modified two-phase biological retting of kenaf and jute bast. p. 20.
Liubimova, E. I., TSvetkova, T. T. - Microflora of the retting liquor in case of the modified two-phase retting of kenaf and jute bast. p. 36.
Akkurathova, A. V. - Continuous line for the manufacture and pressing of the lap from short flax fibers. p. 45.
Nemtsov, D. A., Braslavskaia, IU. IA., Kul'pina, L. I. - New state standard for short flax fibers and its economic importance. p. 56.
Mambelli, T. P., Savosina, M. S. - Characteristics of the processing of long flax fibers in its preparation for spinning with the addition of the GChD-2 combing machine in the technological system. p. 65.
Zav'ialova, L. V. - Continuous line for the preparation of short jute fibers for spinning. p. 98.
Zabelin, V. A. - Development of the process and parameters of high capacity equipment for the twisting of ropes. p. 113.
Liubimova, E. I., Rau, N. V. - Biological testing of textile fabrics for resistance to the action of fungi and bacteria. p. 146.
IAkubenko, Z. K., Baranova, E. P. - Manufacture of nonwoven packing materials from short No. 3 flax fibers with the gluing method. p. 153.
Gorina, M. E., Koroleva, E. V., Prokhorova, S. M. - Bibliographic index of literature on the spinning of bast fibers and the manufacture of cordage published from 1958 to 1960. p. 162.

OBSHCHESTVENNOE PITANIE [PUBLIC FOOD SERVICE]. Issued by Ministerstvo torgovli RSFSR [Ministry of Commerce of the R. S. F. S. R.]. Moscow, no. 8, Aug. 1962.

Table of contents translated:

More eating establishments! p. 1.
Takhirova, T. - Expansion of the restaurant network is a decisive factor. p. 3.
Liashko, A. - Broad prospects. p. 6.
Arkad'ev, D. - Matter of paramount importance. p. 7.
What to build, where and how, interviews with the representatives of construction, design and planning organizations. p. 8.
Nikitin, P. - For people fond of fish food. p. 12.
Advice to the cook. p. 15.
From the cook's notebook. p. 17.
A., and others. - Cookery of semi-
sh products. p. 18.
ntroduce the use of frozen cooked
aurants. p. 21.
Priputina, L., Belotskaia, V. - Ra-
of workers operating in high tempera-
. 23.
ilthful oil. p. 27.
echanical cutting of cooked root crop
. 32.
r for the preparation of fish ravioli.
utomatic machinery lines for self-
rants. p. 36.
tatistics of the turnover of goods
output. p. 40.
ease the profitableness of swine fat-
Apparatus with new heating systems.
ty annoyances. p. 54.
ome cookery. p. 56.
Nadia's happiness; story. p. 58.

REFERATIVNYI ZHURNAL LEGKAIA PROMYSHLENNOST' [JOURNAL OF ABSTRACTS [illegible] TRY]. Issued by Institut nauchnoi informatsii [illegible] mii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] [illegible] no. 10, Oct. 1963. [This journal in [illegible] parts.]

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i [illegible] srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tekhnologiia legkoi promyshlennosti [Ministry of Higher and Secondary Special Education. Bulletin of the Institutions of Higher Learning; Technology of Light Industry] Moscow, [illegible] 1963.

Table of contents translated

Kobliakov, A. I. - Effect of the medium [illegible] strain of fabrics and its components [illegible]
TSerovitinov, B. F., Benedin, A. N. - Natural [illegible] abrasion of the hair covering of fur [illegible]
Samyshkina, M. A., Plotnikov, I. V., Pavlov [illegible] Investigating some factors which increase [illegible] wear resistance of electrocontact [illegible] p. 14.
Barboi, V. M. - Stability of lyophobic sols, [illegible] and suspensions. p. 21.
Otopkov, G. M., Pavlov, S. A. - Use of hydrophilic polymers for producing the face layer of artificial leather with a protein fiber base. p. 40.
Shtern, I. A., Plotnikov, I. V., Pavlov, S. A. - Investigating the washing out of pore builders from carboxyl-containing rubbers. p. 46.
Kuznetsov, A. K., Pavlov, N. N., Arbuzova, [illegible] Use of barium salts for ion precipitation of latexes of carboxylate rubbers. p. 50.
TSvetkov, V. N., Glukhov, V. N. - Resistive [illegible] the contact friction of chrome-vegetable [illegible] vegetable tanned leather for soles. p. 60.
Kul'chitskii, S. I. - Method for evaluating [illegible] in the utilization of sole leather. p. 67.
Kalita, A. N., Kochetkova, T. S., Zybin, [illegible] Foot deformation in the metatarsus-phalangeal [illegible] during the raising of the heel. p. 76.
Kotov, M. P. - Reducing the losses in surface [illegible] sions of chrome tanned leather during the [illegible] drying. p. 85.
Stakhov, I. P., Lovenko, P. I., Shifrin, I. G. - [illegible] of radiation on leathers tanned by various [illegible] p. 93.
Oroshkov, N. A. - Proline and hydroproline [illegible] along the dermal layers of chrome tanned [illegible] p. 100.
Shvaranda, I. T., Kotov, M. P., Brykalova, I. [illegible] Investigating the counterflow tanning method [illegible] p. 103.
Safronova, I. V. - Impact work needed for [illegible] as a characteristic of sewing threads. p. 111.
Kovarskii, A. V. - Modern designs of mechanisms [illegible] automatic increasing and decreasing of the [illegible] of needles on flat rib knitting machines. p. 114.
Genzer, M. S. - Manufacture of artificial [illegible] vessels for synthetic fibers. p. 130
Vashchinskii, L. K. - Sinker mechanisms of [illegible] machines with a variable shift value of the [illegible] incline. p. 136.
Kvitkevich, I. K. - Assembly-line systems for [illegible] manufacture of chrome leather from pigskins, and the potentialities for an increase of [illegible] capacity and labor productivity. p. 152.
Komissarov, A. I. - Designing of crank and [illegible] mechanisms for the thread feeders and needle machines. p. 168.

No. 4(34), 1963.

Table of contents translated:

Ispirian, G. P. - Optimum cutting of materials. [illegible]
Pushkin, P. S., Tikhomirova, B. V., Shapiro, [illegible] Technical and economic basis for the production of soft artificial materials with a mechanically bonded fibrous base (IK artificial leather). p. [illegible]
Sachko, N. S. - Economic efficiency of production consolidation in the light industry. p. 17.
Otopkov, G. M., Pavlov, S. A. - Use of hydrophilic polymers for obtaining the face layer of artificial leather with a protein fibrous base. p. 20.
Mikhanosha, E. S., Ilkin, A. V., Barboi, V. M. - Static capacity of exchange of the KB-4 cation exchanger in chromium (III) as dependent on the conditions of absorption. p. 34.
Baramboim, N. K., Maloshuk, IU. S. - Investigation of the kinetics of the permeability to moisture of polymer films at variable drops of humidity [illegible]
Blokh, G. A., and others. - Molecular steven and problems of rubber vulcanization. p. 48.
Polinskii, S. I., Plotnikov, I. V., Pavlov, S. A. - Synthesis and investigation of hydrophilic polyester urethanes for the manufacture of artificial leather with high hygienic properties. p. 54.
Koval'skii, A. G. - Testing knit outerwear for abrasion. p. 65.
Golovieva, A. A., Shestakova, I. S., Chernov, N. V. - Problems of the dissolving and reconstitution of collagen. p. 72.
Nesterov, V. P. - Qualitative analysis of correlation in the testing of shoe materials. p. 84.
Kushnir, N. K. - Studying foot deformation during [illegible] pression. p. 93.

Kurpianova, G.N., Elen, B L , Kuprianov, M.P. - Accuracy of area measurements of stiff leather with measuring machines. p. 98.
Ivantsova, M.I., Korneeva, K.A., Rusakov, S.I. - Changes occurring in the technical and economic indices of the process of clothing manufacture in case of an increase of the capacity of the production line. p.105.
Orlov, I.V , Gerasimova, A.N. - Shaping of clothing elements made from "porolon." p 113.
Safronova, I.V. - Changes occurring in the indices of the shaping of the shuttle stitch when using threads of various fiber compositions. p.119.
Mirulenko, O.S., Trukhan, G.L. - Analyzing the methods of pattern making in series. p.120.
Gainulin, G.A. - Study of the heating of a sewing machine needle depending on its shape. p.140.
Orlov, I.V., Dovgosheia, S.T. - Forms and types of the bonds of moisture and textile fibers. p.145.
Molseenko, F.A., Radzievskii, V.A. - Investigating the causes of the transverse stripe formation in lock-knit warp fabrics and ways for its elimination. p.153.
Kviatkevich, I.K. - Semiautomatic lines for the manufacture of chrome leather from pigskins and potentials for increasing production capacity and labor productivity. p.160.
Kremenshtein, L.I. - Methodology for designing the automatic mechanism for winding chenille on a bobbin. p.171.
Pavlov, A.I. - Use of the international Tex system for the evaluation of the thinness of textile materials p.175.

SLUZHBA BYTA [SERVICE INDUSTRIES], Issued by Glavnoe upravlenie bytovogo obsluzhivaniia naseleniia pri Sovete Ministrov RSFSR and TsK Profsoiuza rabochikh mestnoi promyshlennosti i kommunal'nogo khoziaistva [Main Administration of Service Industries, Attached to the Council of Ministers of the R. S. F. S. R., and the Central Committee of the Trade Union of Workers of Local Industries and Communal Economy]. Moscow, vol. 1, no. 5, Oct. 1963.

* SVAROCHNOE PROIZVODSTVO [WELDING PRACTICE], Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for the Coordination of Research in the U. S. S. R. and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, no. 9(321), Sep. 1963.

Table of contents translated

Serdiuk, G.B., Chernysh, V.P. - Kinetics of metal transfer in an argon welding arc. p. 1.
Liubavskii, K.V., and others. - Automatic welding of 25KhSNVFA steel with simultaneous induction heating. p 4.
Bakshi, O.A., Monoshkov, A.N. - Resistance of welded joints with a soft heat zone to impact tension. p. 8.
Ishchenko, IU.L., Diurgerov, N.G. - Mechanism of the periodical closing of the arc gap and the stability of welding with a short arc. p. 10.
Lifshits, V.S. - Power reasons in the selection of resistance flash welding of large-diameter pipe. p. 13.
Alekseev, B.D., Novikov, IU.IA., Fridiland, M.G. - Welding under flux of vacuum tight joints in copper plate. p. 17.
Asinovskaia, G.A., Shapiro, I.S. - Gas-arc welding of M3 copper with a thickness of up to 3mm. p.19.
Sokolov, V.F. - Compressed air leak-proof testing of closed structures. p. 21.
Vulikh, A.I., and others. - New technology for the production of fluxes for soldering and welding. p. 24.
Gekker, E.V. - Packing materials for shut-off valve inserts on oxygen cylinders. p. 26.
Asriants, V.A. - Introduction of OZS-4N rutile electrodes and the use of sawdust in electrode manufacture. p. 28.
Sarkhoshian, G.N., Gal'perin, M.IA. - Mechanized welding in the repair of automobile assemblages. p. 29.
Orekhov, P.A., Kukushkin, V.I. -Checking the compactness of welded joints with helium leak detectors. p. 32.
Vladimirov, V.B., Suvorovskii, E.A., Agapov, G.I. Corrosion testing of the internal cavity of welded stainless steel pipes. p. 33.
Narskii, S.A., Vydrin, L.B. - Welding carbon steel using a propane-butane mixture. p. 34.
Girshman, V.A. - Low-temperature welding-up of defects in cast iron. p. 36.
Golushko, S.D. - Semiautomatic welding in a water vapor atmosphere. p. 36.
Razikov, M.I., Korolev, N.V. - Equipment for electric arc hard facing using a large-diameter electrode with transverse oscillations. p. 37.
Troitskii, N.V. - Automatic machine for the ultrasonic control of welded pipe butt joints. p. 38.
Shasunov, I.S. - Ventilating pressure vessels during electric welding operations. p. 39.
Shapiro, I.S. - Standardizing cutters for the air-arc cutting of metals. p. 42.
N.N. Rykalin, on his 60th birthday. p. 45.
Soviet publications on welding. p. 45.
Foreign publications on welding. p. 47.
Keizhner, G.IA., and others. - Consultations on questions asked in our readers' letters. p. 48.

TEKSTIL'NAIA PROMYSHLENNOST' [TEXTILE INDUSTRY]. Organ of Gosudarstvennyi komitet po legkoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva legkoi promyshlennosti [State Committee for Light Industry, Attached to the State Planning Committee of the U. S. S. R. and the Central Administration of the Scientific Technological Society of Light Industry]. Moscow, vol. 23, no. 9, Sep. 1963.

Table of contents translated.

Warm greetings to the participants of the symposium and exhibition of nonwoven textile materials. p. 1.
Ustinova, E.T., Voiutskii, S.S. - Problems of the technology of nonwoven textile materials manufactured with the method of bonding fibrous systems. p. 3.
Sukhova, T.A. - Methods for testing nonwoven fabrics. p. 10.
Perepelkina, M.D., Gubina, R.S., Kazhizhanovskii, K.I. - Assortment of nonwoven fabrics. p. 15.
Karpaviciene, V., Resciauskas, G. - Manufacture of blended wool nonwoven fabrics for outerwear. p. 19.
Khatenever, I.M. - For a maximum utilization of the capacity of the AchV-V carding and knitting unit. p. 23.
Mukhamedzhanov, G., Palladov, S.S. - Finishing of knit and stitched nonwoven fabrics. p. 25.
Ovechenko, N.G., Kravkova, I.A., Pavlov, S.A. - Microstructure of nonwoven fibrous film systems and the effect exerted on it by the technological procedures. p. 27.
Ovechenko, N.G., and others. - Effect of the fiber length and amount of bonding materials on the physicomechanical properties of nonwoven fibrous film systems. p. 30.
Rada, Z. - "Arachne" nonwoven fabrics and their improvement. p. 33.
Kolbetskaia, M.A. - Expand the use of work practices based on the new shift schedules. p. 37.
Orlov, I.M. - New method of tagging and removing vegetable impurities from the Eastern coarse and medium coarse wool. p. 41.
Ivaniushin, S.F. - Efficiency of the use of the wire surface of the main cylinder. p. 44.
Shuleshko, I.S. - Ways to increase the operative efficiency of cards. p. 48.
Storozhenko, V.N., Kaipova, N.G. - Double-layer elastic rubber coatings. p. 52.
Emmanuel', M.V. - Blending and evening on roller carding machines. p. 53.
Kaplan, V.I. - Effect of the variable conditions of the loom operation on the speed of the shuttle. p. 59.
IArish, G.I. - Calculating yarn warping for machines with a Sh-608 bobbin holder. p. 62.
Luk'ianchikov, A.F. - New method for fastening the disks of the weaver's beam. p. 64.
Zagainov, I.V. - Method for controlling the expenditure of knit fabrics in cutting. p. 65.
Medvedev, M.F. - New developments in the technology of manufacturing multicolored knit socks. p. 67.
Bel'tsov, V.M., and others. - Bleaching of cotton yarn and yarn products with sodium chloride. p. 70.
IAkichev, G.V. - New developments in equipment and technology of phototranspositographic fabric printing. p. 73.
Chekmarev, V.A. - Machine for cleaning, padding and inspecting fabrics after washing. p. 75.
Peisakhov, I.L., Bykhover, L.N., Lilianov, G.I. - New design of jaws for the MIT flexibility tester. p. 77.
Tugeev, K.S., Morozov, A.V. - Unit for determining the electric conductivity of textile fabrics. p. 80.
Popov, S.G., IAkovleva, L.S. - Lengthwise drawing of the yarn by the air flow. p. 82.
Luvishis, L.A., Smolova, L.N. - "Manra" vibroscope for determining the thinness of fibers. p. 87.
Polotovskii, G.M. - New method for wool scouring. p. 90.
Torshinin, A.A. - Concerning A.V. Kuligin's textbook "Automatic AT-100-6M and AT-120-5 looms." p. 91.
Pikovskii, G. - Concerning the book "Nonwoven textile materials" by Dr. R. Krchma and others. p. 93.
What to read about nonwoven materials. p. 93.
Information. p. 95.

g. MECHANICAL ENGINEERING

AVTOMATIZATSIIA OTOPITEL'NYKH KOTEL'NYKH [AUTOMATION OF HEATING BOILER ROOMS]. Issued by Leningradskii nauchno-issledovatel'skii institut Akademii kommunal'nogo khoziaistva [Leningrad Scientific Research Institute of the Academy of Communal Economy]. Leningrad, no. 3, 1963.

Table of contents translated:

Preface. p. 4.
Chistovskii, V.B. - Present status of and trends in designing automatic control systems for heating industrial boilers and problems of producing the means of automation. p. 5.
Chistovich, S.A. - Basic results and problems of research work in the field of automation of heating boilers. p. 12.
Rusinkovskii, IU.P. - Experimental study of the automatic control of water-heating gas-burning boilers. p. 43.
Galtykhin, V.M. - Automatic regulation of water-heating systems with gas-burning boilers. p. 76.
Nazarov, V.P. - Principle of control and schematic realization of automated systems of heat supply. p. 97.
Slavin, A.A. - Automation of heating industrial boilers using the "Kristall" electronic - hydraulic system of automatic control. p. 115.
TSabut, I.I. - Development of automatic control systems for boilers operating on gas. p. 120.
Slavin, M.B. - Evaluation and specifications of automatically controlled boiler safety systems. p. 149.
Leiner, B.N. - Economic effectiveness of general automatic control systems for water-heating boilers operating on gas. p. 158.
Kozachok, V.I. - Operational requirements for the safety equipment of automated heating boiler systems. p. 165.
Lobkov, S.A. - Effect of the properties of coal used in apartment houses and communal buildings on the solution of the problem relative to the mechanization of coal-burning boilers. p. 170.
Decisions of the technical conference "Automation of heating boilers and unification of automatic control devices." p. 177.

AVTOMOBIL'NAIA PROMYSHLENNOST' [AUTOMOBILE INDUSTRY]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U. S. S. R.]. Moscow, vol. 29, no. 10, Oct. 1963.

Table of contents translated:

Our objectives in the light of decisions of the June Plenum of the Central Committee of the CPSU. p. 1.
Lukin, V.V. - Using electronic computers in analyzing wages at motor-vehicle and tractor plants. p. 2.
Slutsker, M.S. - Further mechanization of conveying and storing operations at the Gorkiy Automobile Plant. p. 4.
Magulskii, IU.A., Karminskii, V.D. - Method for immediate measurement of mean indicated pressure in the cylinder of a piston engine. p. 6.
Ustinov, A.N. - Rated determination of the viscosity coefficient of crankcase gases of two-cycle engines p. 9.
Bol'skii, A.E. - Analytic calculation of motor-vehicle speeds taking into consideration the variable value of the coefficient of rolling resistance. p. 10.
Tikhomirov, I.N. - Selection of gas-distribution phases for two-cycle carburetor engines with small cylinder capacity. p. 13.
Cherednichenko, IU.I. - Investigating operating conditions of hydraulic clutches. p. 14.
Utkin, I.P. - Tow car with a hydraulic drive based on the UAZ-450D motortruck. p. 17.
Napomniashchii, E.F. - Effective contact area of a tire tread with rough pavement surfaces. p. 18.
Rozanov, V.G. - Improving braking properties of motor vehicles. p 20.
Daichik, M.L., Vil'pert, K.I., Voronkov, V.A. - Devices for statistical investigations of accelerations, stresses, and deformations. p. 22.
Aniskin, L.G., Kvitko, Kh.D. - Selection of transmission ratio series for a motor-vehicle transmission securing its speeding-up in the shortest time. p. 25.
Pronlakov, G.S., Voronkov, N.D. - Automatic pressing of metal powders with a hydraulic press. p. 29.
Andriushchenko, N.F., and others. - Surface hardening of the semiaxles of the rear axle of the MAZ-200 and MAZ-205 motortrucks. p. 31.
Ulegin, V.G. - Using the impression method in testing hardness in automatic and continuous production lines. p. 33.
Artishevskaia, N.V., Erina, I.I., Strel'tsov, I.G. - Photoelectric adaptor for the ISP-22 (ISP-28) spectrograph. p. 34.
Utkin, I.P. - Table with a reversing apron conveyor. p. 36.
Gorlov, V.V. - Airtight electric contact transducers. p. 37.
Ivanova, K.T., Lempert, O.S. - Sandblast machine for making large cores. p. 39.
Naumov, IU.V. - New automobiles with small cylinder capacity. p. 41.
Torokhin, V.I. - New spark plug. p. 44.
Akopian, R.A., Gershman, B.I. - Investigating the air-spring suspension of the GM 4517 motorbus with flexible hose components. p. 45.
Fedorov, B.P. - Review of M.M. Shchukin's book "Couplings for motor vehicles and tractors." p. 47.

AVTOMOBIL'NYI TRANSPORT [AUTOMOTIVE TRANSPORTATION]. Organ of Ministerstvo avtomobil'nogo transporta i shosseynykh dorog RSFSR and TSentral'nyi Komitet Professiona rabotnikov avtotransporta i shosseynykh dorog [Ministry of Automotive Transport and Highways of the R.S.F.S.R. and the Central Committee of the Trade Union of Communications, Automotive Transport, and Highway Workers] Moscow, vol. 41, no. 5, May 1963

Table of contents translated:

Artem'ev, S. - Let us provide for an efficient organization for the transportation of agricultural freight p 1.

Pomanov, B. - Visiting highway transport workers of heroic Cuba p. 3.

Bobotnikov, N. - Method of working in brigades is efficient. p 6

Pishchik, A. - Experience in using collective bargaining p 7.

Melikoytsev, A. - Motorbuses and taxicabs are under public control p 9

Zhizev, V., Nakashidze, D. - New method for sugar-beet transportation p 10.

Agrakti, S. - Unified dispatcher management of interprovince haulage p. 12

Marder, A. - Difficulties and requirements for the design of motorbus stations p. 13

Gol'denberg, IU. - Motorbus station for interurban travel p 15.

Kurnesov, E., Tokarev, G. - Regulations on the maintenance and repair of the rolling stock used in automotive transportation p. 16.

Manukadzelants, Th., Stepanov, L. - Reducing the contamination of atmospheric air with exhaust gases p. 19

Pantiukhin, IU. - Sprayer with an attachment for internal roughing of tires. p. 22

Malyshev, A., Shustov, A., IUdov, V. - Organizing technical assistance for motor vehicles on highways. p. 23.

Gogolitsyn, M., and others. - Reconditioning crankshafts of the GAZ-51 engines. p. 25.

Khitlavich, A. - Repairing certain parts of "Volga" automobile engines p 27

Aizenberg, E., Pakhomova, G. - Establishment of gradual norms is the basis for planning transportation expenses p 31.

Pavlenko, G. - From word to deed. p. 33.

Gushchina, A. - Transportation expenses should be accounted p. 34

Krivenko, L. - Investigating interurban freight haulage on Kiev-Kharkov highway. p. 34.

Bochkov, V., Rubets, D. - Fuel equipment of the IAMZ-236 engines. p. 37.

Eriazarov, I., Sokolov, IU. - Standardization of tanks mounted on motortrucks and trailers. p. 41.

Podgornyi, I., Zaprutskii, B., Itkis, B. - SL-1 self-unloading timber truck. p. 42.

Traffic organization and safety. p. 45.

Training of specialists. p. 47.

Exchange of experience. p. 50.

Information. p. 55.

News of foreign engineering. p. 60.

Reviews and bibliography. p. 61.

New books. p. 63.

Vol 41, no 9, Sep 1963.

Table of contents translated

Shuplinko, S. - Objectives for the development of automotive transportation and the scientific and technical community p 1.

Vais, A. - Example of a devotion to the service of the people p. 4.

TSelishchev, I. - Legitime pride p. 6.

Gurevich, G. - Contract for farm-produce transportation is needed. p 8.

Degtiare, V. - Dispatcher handbook for the determination of trip mileage. p 10

Kuruseenko, A. - More attention to passenger transportation p 11.

Potapov, M., TSirkin, A. - Mortar and concrete transportation should be centralized. p 12.

Levinson, B. - Proper adjustment of the ignition on the GAZ motortrucks p 14.

Tarasov, O. - Rapid determination of the moisture content in oils. p. 15.

Ermolenko, I., Kotsiuba, M. - Mechanized lubrication in automotive transportation units. p. 17.

Shunevich, V., Mednik, B. - Automatic device preventing fuel overflow in filling motor vehicles. p 23.

Koshkin, K., and others. - Using the matching method in assembling the engine and gearbox. p 24

Silkin, A., Kakuevitskii, V. - Improving the repair of cardan joints. p. 29.

How to improve planning. p 32.

Semkin, N. - Scientific technical conference on the improvement of the planning of automotive transportation. p. 37.

Livanov, A., Burlak, A. - Semitrailer for lumber transportation. p. 41

Zarnitskii, IA., Polev, IU. - Motortruck with freight-lifting tail gate. p. 42.

Shachvich, A., Zubarev, A., Karavaev, B. - Engine-cooling system of the ZIL-130 motortruck. p. 45.

Golias, L., Dychkin, I. - New MoAZ-522 high-road-ability dump truck. p. 48

Exchange of experience. p. 50

Massovich, Z. - Training of specialists. p. 56.

Information. p. 57

Abroad p 60

New books. p. 63.

Vol 41, no. 10, Oct 1963.

Table of contents translated

Vigilant eye of the people. p. 1.

Lysov, B. - The seven-year plan has been fulfilled, the new pledge is five more year norms till the end of 1965 p 4.

Bulat'skaia, K. - Unity of word and deed p 5

Knorozov, V. - Labor is an educator, p 7.

Karpenkov, S. - Voluntary inspection finds fresh power p 7

Prokhotskii, G. - Inspectors and public workers. p 9.

Izrailevich, S. - For the title of "an outstanding accounting team." p 10

Korf, M. - Bus itineraries for children. p. 11.

Evstratov, A., Riumin, V. - Cashbox or automatic cash register? p 12

Gotman, P., Davydova, L. - Preliminary sale of return tickets p 14

Rotovoi, D. - Using timetables in determining the number of trips p 15

Obleukhova, O., Protasov, V., Kiseleva, T. - All-weather oil for V-type carburetor engines. p 17.

Lisovskii, IU. - Using microcurrents for charging storage batteries p. 20

Korogodskii, M. - Temporary norms for fuel consumption for fuel-gas automobiles. p 22.

Shul'ga, N. - Hydraulic jacks for maintenance lines p 24

Svichkarev, V. - Screwdriver for wheel nuts p 25.

Zakharov, G. - Some economic problems in the repair of motor vehicles in Siberia and the Far East. p 26

Chepelevskii, V., Tumanov, I. - Unified specifications for the receiving for overhauling, and the delivery after overhauling of motor vehicles, their parts and units p 28.

Kranisberg, S. - Periodicity and expedient methods for repairing M-21 engines p. 29.

Bedritskii, I. - Stand for straightening automobile longerons. p 30

Lazaretov, V. - Trend for the creation of a unified automotive transportation system. p. 33.

Baulin, V., Panov, S. - Approximate solution of operational transportation problems. p. 34.

Batishchev, I. - Modern motor and electric loaders. p 37.

Kuznetsov, V., Khmel'nitskii, V. - Mechanism for loading and unloading cable drums. p. 40

Organization and safety of traffic. p. 41.

Training specialists p. 43.

Kislovskii, A. - Readers' letters p. 46.

Exchange of experience. p. 47.

Automobile racing p 49.

Abroad p. 52.

Zelichenok, S. - Review and bibliography p. 59.

DNEPROPETROVSK. INSTYTUT INZHENERIV ZALIZNYCHNOHO TRANSPORTU. Trudy [INSTITUTE OF RAILROAD TRANSPORTATION ENGINEERS. Transactions]. No. 36, 1962. Voprosy stroitel'nogo proizvodstva [Problems of construction].

Table of contents translated:

IUshchenko, N.R. - Editorial. p.3.

Belan, E.E. - Some problems of the transitional processes of the liquid updraft at the expense of its inertia. p.4.

Kovalev, E.S. - Solving problems of the vertical planning of terrains. p.31.

Meshcheriakov, V.M., Zazimko, V.G. - New type of pipe laying without ducts using insulation fill. p.38.

ELEKTRICHESKAIA I TEPLOVOZNAIA TIAGA [ELECTRIC AND DIESEL LOCOMOTIVE TRACTION]. Organ of Ministerstvo putei sobshchenila SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 7, no. 9(81), Sep. 1963.

Table of contents translated:

Securing the highest labor productivity is the main condition for the establishment of communism. p.1.

Leonovich, B.N., and others. - Brief resume of the speeches made at the conference of the representatives of the collectives and shock workers of communist labor engaged in the operation and maintenance of locomotives. p.1.

Amiragov, E.M., Vainshtein, B.Z. - Diaphragm drives for the apparatus of the series VL8 electric locomotive. p.9

Pankratov, N.N. - Cold welding of contact wires; mobile unit. p.11.

Fadeev, A.S., Choporov, F.K., Iazovskii, D.D. - Some observations concerning the design of a.c. locomotives. p.13.

Davydov, I.I., Nuzdanov, V.F., Kompaneets, V.P. - Ways for preventing the weakening of the pole cores of diesel traction engines. p.16.

Levykin, F.V. - Ways to detect cracks in the cylinder bushings of the 2D100 diesel locomotives. p.19.

Skobelev, K.I., Kruchinin, V.P. - Suggestions deriving from the experience in the operation of rectifying junction systems for a.c. and d.c. currents. p.17.

Radchenko, V.D., Farafonov, A.V., Dorosh, V.P. - Modernized rapid-action switch-off for d.c. trains. p.19.

Skliarov, A.E., Topilov, O.N. - Installation of [illegible] with a thrust winding for turn-to-turn [illegible] circuit. p 21

Bunkin, Iu.A. - Maintenance, repair and [illegible] of industrial diesel locomotives. p 24

Pokromkin, V.I. - Simplified circuit for [illegible] of short circuit control on VL60 electric locomotives. p.24.

Balkov, N.A. - Building-up of the armatures [illegible] of NB-406B engines p. 25.

Litovchenko, V.V., Zonkhovykh, A.I. - [illegible] of electric power during theoretic tests [illegible]

Savchenko, V.A. - Independent automatic [illegible] switch-on of the sectionalization station [illegible]

Sevast'ianov, S.I. - Ways for reducing [illegible] penditure on high-speed diesel p 31.

Zhingarovskii, A.N. - Characteristics of the diesel diesel locomotive with hydraulic [illegible]

Senlushkin, Iu.V., Rapov, V.T., Chilikin, [illegible] Practical recommendations concerning [illegible] electric locomotive. p. 39

Prokof'ev, V.L., Bartenev, A.V. - Advice to [illegible] operator of the VM1 switcher locomotive [illegible]

Tarasenko, A.V. - Failure instances in the [illegible] circuits of the TE3 diesel locomotive [illegible]

Gakkel', E.IA. - Permissibility of the occurrence of "counter currents" on diesel locomotives [illegible]

Konovalov, V.S., Tkachko, I.P. - Improvement of the series ChS2 electric locomotive [illegible]

Answering readers' queries p 11

Letters to the editor p 46.

ENERGOMASHINOSTROENII [POWER MACHINERY CONSTRUCTION]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR [State Committee for Automation and Machine Manufacture, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol. 9, no. 2, 1963.

Table of contents translated

Piven', V.D., Glukhov, V.K., Bogdanov, V.A. - Automatic control in large power generating [illegible] p. 1.

Makivchuk, V.F. - Use of the graphical gas dynamics method in solving problems on the exhaust of a two-cycle diesel engine. p. 4

Ivanov, A.G., and others. - Results of the [illegible] a turbulent ZIO burner with a radial twister [illegible] ius and regulated twist of the flow. p 8

Gutkin, I.A., and others. - Hydraulic systems of control and protection of the OSPP-1150 turbine [illegible] p. 11.

Morozov, D.I. - Energy losses due to leakage [illegible] bandless turbine stage p. 14

Kaplan, M.P. - Analysis of the power cycles [illegible] steam and gas systems p. 18.

Shvarts, V.A. - Characteristics of tubular [illegible] heat exchanging surfaces p. 22.

Bogachev, I.N., Minin, R.I., Veksler, Ia.G. [illegible] tational resistance of austenitic ferritic steels [illegible]

Concerning Z.A. Khandov's book "Marine internal combustion engines." p. 31.

Kalinovskii, N.N., Shalagin, A.D., Skliarevskii, N.P. - Testing of air-tight chlorinated rubber coatings during the operation of the condensers of a sea water cooled thermal electric power plant p. 32

Dik, E.P. - Method for calculating the deposition in transitory zone of boilers with superheated [illegible] meters. p. 36.

Filippovich, S.A. - Design of a centrifugal pump [illegible] p. 39.

Gorelkin, N.M. - Multipositional switch for [illegible] temperature fields and stresses in the rotating [illegible] of turbomachines. p. 43.

Turchin, N.IA. - Equipment of new electric power plants in the U.S.A. p. 46.

Vol. 9, no. 10, Oct. 1963.

Table of contents translated:

Seleznev, K.P., Taranin, A.I., Pleshanov, V.A. - Use of electrical modeling in the determination of temperature fields in the components of steam and gas turbines. p. 1.

Aronson, A.IA., Mishin, M.M., Moskvin, D.S. - Approximate calculation of the frequencies of axial oscillations of the runners of Francis-type hydraulic turbines. p. 5.

Roznik, V.I., Eremin, I.IA., Sukhinin, I.A. - Slag removal systems for boilers operating on Baltic shales. p. 8.

Robuk, N.N., Pupko, T.E., Rivlin, M.I. - Determination of rated conditions for the choice of the oil pressure systems of hydraulic turbines. p. 11

Mod, G.D. - Pressure regulation in parallel operating blowers operating with a common gas pipeline. p. 13.

Akhmedov, R.B. - Hydraulic resistance of burner systems with centrifugal air feed. p. 16.

IAnchenko, V.F., Abramov, V.M. - Use of a model in studying steam turbine condensers. p. 20.

Shtern, E.P. - Experience in the operation of the turbine equipment in the V.I. Lenin Volga Hydroelectric Power Station. p. 24.

Dobrovol'skii, V.V. - Determination of the air excess coefficient and filling of supercharged four-cycle diesel engines. p. 26.

Zaks, I.A. - Properties of various welded joints from 25-5 type ferrito-austenite steel and steels of austenite and perlite classes. p. 30.

Rozenblium, V I., Cherkiva, V.S. - Calculation of the strength of turbine diaphragms. p 34.
Rudnitskii, F L., Egorov, P G. - Testing of graphite piston rings in the 2Ch 10,5/13 diesel engine. p.35.
Nadel'man, L.I. - Blades of axial-flow blowers from plastic materials p.38
The 6DN 30/50 diesel manufactured by the "Russkii Dizel'" plant p.40
Korchunov, IU.N., and others. - Adjustment and testing of the furnace system and dryer of the DKV-6,5-13 boiler p.41.
Kharlamov, E G - Effect of the blocking of the nozzle rim section of a turbine on the consumption coefficient p 43.
Kim, IA.A. - Methods for the experimental determination of disc power losses of a centrifugal pump. p.45
Bushuev, M.N. - "Welded structures of steam and gas turbines" by V.N. Zemzin and L.D. Frenkel p.48

INZHENERNYI ZHURNAL [ENGINEERING JOURNAL], Organ of Otdelenie tekhnicheskikh nauk and Institut mekhaniki Akademii nauk SSSR [Department of Technological Sciences and the Institute of Mechanics of the Academy of Sciences of the U. S. S. R.], Moscow, vol. 3, no. 1, 1963.

Table of contents translated·

Alexandrov, G.V , Sviatodukh, V K - Controlled motions of winged flying craft of various systems in a plane of symmetry, p 3.
Romishevskii, E A - Hypersonic gas flow about thin bodies taking into account the radiation. p. 12.
Fonarev, A.S. - Problem of the adiabatic expansion of a plane gas layer under arbitrary initial conditions p 18.
Galkin, V.S. - Slip effects in hypersonic slightly rarefied flow about bodies, p. 27.
Koldysh, V.V. - Flow about propeller blades with flow separation. p. 37.
Derzhavina, A I , Chukanova, T. I. - Integrating equations of plane isentropic gas flow with high supersonic speeds p. 47.
Iskra, A. L. - Transient processes during the gain and release of pressure in the stilling chamber of a wind tunnel with a preheater. p. 55
Kim, V. IU - Well interference in elastic fluid flow at given well bottom pressures. p. 63.
Ch'en Chung-hsiang. - Self-simulating solution of the equation of axisymmetric unsteady flow of a two-phase fluid. p. 71
Faerberg, I. L. - Bending of a circular plate supported along the chords. p. 78
Volkov, S. D., Komissarova, M. L - Some representations of general solutions to boundary problems in the theory of elasticity. p. 86.
Imenitov, L. B - Problem of a spherical shell with a nonreinforced hole. p. 93.
Makarov, B. P. - Using the statistical method in analyzing nonlinear stability problems for shells. p 100.
Kol'tsov, V S. - Bending of a circular orthotropic plate on an elastic foundation. p. 107.
Kliko, I A - Deformations of tools caused by yielding processes in thin plastic layers. p. 115.
Nikitin, L. V. - Wave propagation in an elastic rod in the presence of a nonlubricated friction. p. 120.
Duvakin, A. P. - Stability of gyroscope motion on a totally rough horizontal plane. p. 131.
Sretenskii, L. N. - Chaplygin's approximate method. p. 135.
Zhigulev, V. N. - Equations of physical aerodynamics. p. 137.
Nikol'skii, A. A. - Invariant transformations of the equations of ideal gas flow for special cases. p. 140.
Borovoi, V. IA. - Similitued of temperature fields in an infinitely long cylinder in case of a steady-state entrainement of materials from its foundation. p. 143.
Pedol'skii, M. E. - Thermal phenomena in the lubrication layer of a thrust bearing during the starting period. p. 144.
Litvinov, M. M. - Solution of some stationary heat-conductivity problems with electric analogue shape factors. p. 149
Gheorghita, St. L - Using the semi-inverse method in studying symmetrical flows in channels. p. 154.
Ibragimov, D. B., Tovbis, A. B. - Problem of pressure distribution in a layer under nonlinearly elastic flow conditions. p. 159.
Sokolovskii, V. V. - Stress and velocity fields due to the intrusion of a stamp into a plastic mass. p. 160.
Vasilovskii, K. K. - Obtaining the integral solution of the nonlinear heat-conductivity problem for a semi-finite body. p. 165.
Abel', V. V. - Integrating harmonic and biharmonic equations in curvilinear coordinates. p. 169.
Mamedov, I. S. - Deep deflections of a circular orthotropic diaphragm. p. 174.
Berkman, B. A., Kitover, K. A. - Deformation of a circular ring under the action of equal concentrated twisting pairs. p. 179.
Karnozhitskii, V. P. - Stability of a freely supported sandwich plate subjected to bending in two directions. p. 183.
Lipson, M. A. - Theory of the strength of plane-strained bodies. p. 186.
Georgidzhaev, V. O - Comments on S. V. Falkovich's article "Theory of quasi-linear equations " p 194.
Alphabetic index of articles published in "Inzhenernyi Zhurnal" vol 2, 1962 p. 196

Vol 3, no. 3, 1963.

Table of contents translated

Neiland, V. IA., Taganov, G. I. - Front stall zone in nonsymmetric supersonic gas flow about a body with a needle. p. 419
Neiland, V IA. - Hypersonic viscous gas flow about a plate at the angle of attack. p 424
Shugaev, V F. - Cylinder with a flat face in a supersonic ideal gas flow. p. 427.
Koshmarov, IU A. - Rarefied gas flow along a wall abruptly set in motion. p 433.
Golubinskii, A I. - Lift and the moment of a thin airfoil in an arbitrary unsteady flow. p 442.
Baskin, V.E., and others. - Investigating air flows and loads on helicopter rotor blades in a horizontal flight. p 446.
Murgolin, A.D., Chekinda, L. F., Chuiko, S V. - Stability of the combustion of liquid explosives under constant pressure conditions p. 460.
Kiselev, M I - Dynamics of a conductive continuum in a strong magnetic field. p 468
Kukudzhanov, V. N. - Propagation of spherical waves in a viscoelastic medium. p. 472.
Ivanov, V S., Plakhov, D.D. - Vibrations of a circular ring carrying a concentrated mass. p. 482.
Kornishin, M S., Isanbaeva, F.S. - Bending of flexible plates with hinged edges p. 490.
Fedorov, IU. A. - Vibrations of a closed circular cylindrical shell in a field of random acoustic pressures. p. 498
Trianin, I I. - Effect of lateral loading on the stability and reduction coefficients of a compressed multi-panel continuous plate p. 504.
Degtiarev, V.G - Stability of circular orbits of artificial earth satellites p. 513.
Bazzhin, A.P., Gladkov, A.A - Solution of the inverse problem by the series-expansion method. p. 517.
Shakhov, E.M. - Evaluating the time of the relaxation of the rate of melting of glassy materials p. 518.
Sovast'janov, R.M. - Thermodynamic functions of gases at high temperatures. p. 523.
Derzhavina, A.I., Chukanova, T I. - Some exact solutions of equations of a monatomic gas flow. p. 529.
Bilbosunov, I. - Substantiation of an example of transonic flow. p. 535.
Gol'tsev, V.V - Losses in supersonic nozzle cascades under nonrated conditions. p. 540.
IAroshevskii, V.A. - Calculation of aerodynamic forces of interference between two bodies of revolution. p. 546.
Kliachko, L.A. - Theory of the splitting of a droplet by a gas stream. p. 554.
Nikolaevskii, V N - Equations of the motion of a gas-condensate mixture in porous media. p. 557.
Zolotarev, P. P. - Equations of heat conduction in heterogenous continuums. p. 560.
Sokolovskii, V.V. - Plastic bending of a circular plate. p. 563
Berezovskii, A.A. - Approximate solution of nonlinear boundary value problems. p. 568.
Kurdin, N.S. - Equilibrium of a drop-shaped shell subjected to high deformations. p. 572.
Abel', V.V. - General solution of the plane problem for a wedge. p. 575.
Kozarov, M. - Effect of temperature on the stability of orthotropic cylindrical shells. p. 579.
Kuz'mich, A.N. - Bending of circular plates supported at separate points and mated with walls of cylindrical shells. p. 585.
Grodzovskii, G.L., Ivanov, IU.N., Tokarev, V.V. - Mechanics of a space flight with low thrust. p. 590.

KHARKOV INSTYTUT INZHENERIV ZALIZNYCHNOHO TRANSPORTU. Nauchnye trudy [INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION Studies] No. 55, 1962 Voprosy ekspluatatsii zheleznykh dorog [Problems of railroad operation].

Table of contents translated:

Stefanov, N. - Editorial, p. 3.
Oleshko, G.I. - Automation of production processes in classification yards, p. 5.
Lavrent'ev, M.V. - Model of a railroad section in the memory device of the calculating machine. p. 18.
Petrishin, L.L. - Interaction between the train schedules of a junction and the technology of freight yard operations. p. 28.
Leshchinskii, A.A. - Efficiency of the discontinuance of the use of multistop-delivery cars. p. 32.
Tolstoshei, A.N. - Analytical method for determining the basic norms for switching operations. p. 39.
Shipulin, A.P. - Investigating the dependence of the height of classification systems for classification yards without humps on the design of the throat and number of tracks of the yard. p. 51.
Shipulin, A.P. - Design and planning of the approach part of humps and profiled draw-out tracks. p. 60.
Leshchinskii, A.A. - Methodology for calculating the costs of automotive freight transportation. p. 72.
Tolstoshei, A.N. - Device for recording the parameters of the movement of switcher locomotives (electric switcher recorder). p. 81.
Poliakov, A.A. - Organization of the transportation of mineral fertilizers. p. 88.

KHARKOV INSTYTUT INZHENERIV ZALIZNYCHNOHO TRANSPORTU Nauchnye trudy [INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION Studies] No , 19 . .

LENINGRAD INSTITUT TOCHNOI MEKHANIKI I OPTIKI Sbornik statei [INSTITUTE OF PRECISION MECHANICS AND OPTICS Papers] No 47, 1959

Table of contents translated

Preface. p. 3
Novikov, V.V. - Electron tubes with mechanically controlled electrodes for measuring centrifugal accelerations and impact overloads. p. 6.
Zaitseva, G.A., and others - Investigating a helical antenna in centimeter wave range. p. 14.
Drozdov, V.N. - Semiconductor modulators for servosystems. p. 21.
Abaturov, S.B. - Designing magnetic amplifiers with W-shaped cores p. 32.
Luk'ianov, N.G. - Magnetic amplifiers with a high-resistance input p. 41.
Ivanov, E.M. - Method for increasing the stability of the zero at its drift in balanced d. c. amplifiers. p. 46.
Khazak, M.B., Liukshin, V.V. - Device for determining the friction moment in escapement axle bearings. p. 50.
Shchelkotunov, V.A. - Experimental testing of a thermoelectric effect. p. 56.
Cherkasov, V.N. - Effect of galvanometer's mechanical inertia on the determination of the rate of regular cooling. p. 63.
Kirillov, V.V. - Investigating some circuits of dividing computers. p. 74.
Volk, V.IU., Petrova, G.P. - Using an interferometer with high resolving power in determining relative forces of manganese triplet oscillators. p. 81.
Blinova, N.V., Sovr, I E. - Investigation of the Picht's three-mirror telescope p. 91.
Lozovskaia, E.V., Goverdovskaia, T.P. - Investigating optimum parameters for the three-mirror astronomical objective. p. 98.
Geront'eva, I.E., Karaeva, M.F., Shulskaia, R.I. - Investigating the shape of grains of grinding and polishing powders p. 104.

MASHINOSTROITEL' [MACHINE BUILDER] Organ of Nauchno-tekhnicheskoe obshchestvo mashinostroitel'noi promyshlennosti [Scientific-Technological Society of the Machinery Manufacturing Industry]. Moscow, no. 8, Aug 1963

Table of contents translated:

The main thing is to educate man to work. p. 1.
High priority for major industrial chemical complexes. p. 3.
Minenko, N. - Innovator. p. 5.
Rusakov, B.I. - "AKRO" is automatic control of the performance of equipment. p. 6.
Surovezhin, V.B. - Command device for controlling displacements. p. 8.
Shikhel'man, Kh. I. - New machine tools manufactured at the Kirov Plant in Odessa. p. 9.
Antonov, N.A. - Elimination of dry sandblast cleaning. p. 12
Rozen, A.I. - Modernization of a turret lathe. p. 12.
Stepanenko, IU.A. - Cutter designed by B. I. Danilov for roughing. p. 13.
Plotkin, M. - Stand for lapping small holes. p. 13.
Zhdankin, P.I. - New cutter designed by N.S. Romanov. p. 14.
Podryvanov, A A. - Disk grinding device. p. 14.
Evdiukov, M.V. - Cantilever turning chuck holder. p. 15.
Vanin, V.N. - Spring pusher. p. 15.
Krainiukov, G.A. - Device for machining cams on milling machines. p. 16.
Viba, A. IA. - Chiseling gear pinions. p. 10.
Dragun, A.P. - Adjustable sectional cutter. p. 16.
Romanov, V.A. - Pneumatic press for hardening friction disks. p. 17.
Chernyavskii, M.I., Kazimirov, B.P., Korsakov, N.E. - High-speed turning table. p. 17.
This could be used in your enterprise. p. 18.
Vinogiad, V.A. - Centrifugal molding of plastic parts. p. 20.
Gorshtein, B.S. - Photoprinting of parts. p. 21.
Dobrovolnyi, B. - Working area in a machinery plant (to be concluded). Translated from the Czech. p. 22.
Control of noise and vibrations in the machinery industry. p. 30.
Razumov, I.K. - Methods for controlling noise in production processes. p. 30.
Isavnin, L.S., Kovrigin, S.D. - Practice in controlling industrial noise and vibrations. p. 32.
Krishchik, V.I. - Damping noise and vibrations by balancing rotating parts. p. 34.
Vasil'ev, V.A. - Reducing the noise of machine tools. p. 35.
Popov, V. IA. - Damping the noise of gear transmissions. p. 37.
Murkes, N.I. - Noise of electric motors and means for its damping. p. 38.
Goppon, A.A. - Reducing vibrations of light riveting hammers. p. 40.

Shkarin, L. N. - Effect of noise on the organism p 41
Malinskaia, V.N. - Hygienic evaluation of power tools p 42
Dorin, E. I., Fomin, N. I., Filin, A. P. - Means for individual protection against industrial noise p 43
Iushchina, Z. S. - Health protection for workers during the industrial use of ultrasonic waves p. 44.
Arnaut'skii, A. A. - Labor legislation on noise control p 45.
Machinery industry abroad. p 46

No. 9, Sep 1963.
Table of contents translated

Over thirty Russian billions p 1
Bukhman, IA. R. - Maximum utilization of production potentials p 3
Stepanenko, IU. - Every worker should have a high qualification p 4
Doroshetskii, F. R. - More extensive use of measuring instruments and automatic controllers for checking dimensions p 5
Volintsev, N. A., Silina, I. Kh. - Unit for teaching out ceramics from precision steel castings p 8
Iakubov, V. A., Felgin, M. M., Osinnykh, V. IA. - Semiautomatic machine for cleaning plastic articles p 8
Borisov, IU. S. - Urgent problems in the development of repair service p 10
Borisov, IU. S., Sakharov, V. P. - Devices for cutting gear racks in repair shops p 13
Pekelis, G. D., Elisee, E. N. - Semiautomatic machine for grinding scraper plates p 15.
Bukin, S. N. - Attachments for repair work p. 16
Gofed, E. A. - Remover of dividing rings p 19
Sheingol'd, E. M. - Hoisting devices for easing the work of repair mechanics p 20
Automatic wear-compensation system for table guides of an internal grinding machine. p 22.
Bulae a, T. N. - High-speed cutting on automatic machines p 23
Pavlov, A. G. - Suggestions of the Leningrad Innovator Council p 25
Konstantinov, O. IA. - Magnetic plate with permanent ceramic magnetics p 26
This can be used in your enterprise p 28
Perekrestov, A. V. - Sectional distributor p 30
Romanov, V. A. - Attachment for automatic lifting of the cutting-tool holder p 30.
Gil'man, A. I., Orkin, V. I. - Universal V-shaped three-cam chuck p 31
Serebrennikov, V. N., Troitskaia, D. N. - Regulator of compressed air oressure p 31
Ivashkov, A. S. - Universal boring chuck p 32
Evelenko, IA. M. - Turntable for universal upright drilling machines p 32
Bragin, IA. D. - Optical adapter for a tool microscope p 32
Malikov, F. P., Lazarev, G. S., Pakhomov, V. V. - New units for cooling metal-cutting tools. p. 33
Shuravin, A. D. - Sensitive servomechanism p. 33.
Pestunov, V. M. - Kinematic check of the cam profile. p 35.
Sakavichus, E. - Improved gluing of hard-alloy bits. p 35.
Working area in the machine shop. [Translated from the Czech]. p 36.
Mechanized hand tools. p 41
Fedotenko, N. S. - Toward the Third Congress of the Scientific and Technological Society of the Machinery Industry p 44
Malakhov, M. I. - When workers tend their voluntary assistance p 45
Aleksandrov, V. - Every engineer and technician should have his individual creative plan p 46
Rekudanov, P. N. - Improve the quality of manuals for technicians in the machinery industry. p. 47.

MEKHANIKA, periodicheskii sbornik perevodov inostrannykh statei [MECHANICS; Translations of Foreign Articles]. Published by Izd-vo inostrannoi lit-ry [Publishing House of Foreign Literature], Moscow, vol. 14, no. 5(81), 1963.

MEKHANIZATSIIA I AVTOMATIZATSIIA PROIZVODSTVA [MECHANIZATION AND AUTOMATION OF PRODUCTION] Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol 17, no 8, Aug. 1963

Table of contents translated

Avtonomov, V.A., Rabinovich, N.G., Shapovalov, V.F. - Installing the 1A730 semiautomatic multicut lathe in an automatic production line. p. 1.
Kravchenko, V.A., Mikhailov, V.K. - Automatic roasting of mercury ores. p. 3.
Abdullaev, A.A., and others. - Optimizing the process of butane dehydration in a fluidized bed. p. 6
Kravets, O.A. - Automation of water supply. p. 8.
Kamenetskii, B.L., Sorokin, Sh.L. - Control of pump delivery. p. 9.
Radilov, S.V., Poprugo, S.M. - Automatic skip lifting. p. 11.
Baranov, IU.L., Kostousov, N.L., Stepanov, V.I. - Remote-controlled fuel supply at a gas-generator station p 13.
Vutikhman, V.A., Molodetskaia, O.T. - Automatic control of tank filling and pump interlocking. p. 15.
Fridman, B.P., Fridman, B.P. - Automatic bunker feeding. p. 18
Piushch, I.F. - Mechanized unloading of frozen freight p. 20.
Koluzaev, A.D., Parshin, N.M. - Mechanization of the process of brightening aluminum ware. p. 25.
Mironov, G.M., Pilipovskii, A.Sh., Rogovin, D.A. - Operating semigantry cranes. p. 26.
Margules, A.U. - Mechanization of repair work. p. 28.
Bazhenov, N.I. - Logging trucks or logging combines of the Komi Lumber Industry? p. 30.
Rukman, M.A. - Overhead storage facilities with the use of push conveyors p. 35.
Motylev, IU.N., Skalaban, V.Kh., Filippov, A.A. - Unit for loading cast iron into cars. p. 39.
Povidaito, V.A., Shchigel', V.A. - Vibratory screw hoist p. 41.
Fedorchuk, V.A. - Chain conveyor for sorting textile fabrics. p. 42
Fedorchuk, V.A. - New fork lift truck. p. 43
Levontin, L.I., Buki, IU.M. - Pneumatic and electric level indicator for loose materials. p. 44.
Kochurov, V.V. - Die-casting machine. p. 45
At the Exhibition of the Achievements of the National Economy of the U.S.S.R. p. 46.
Petrov, I.K. - British Exhibition of Instruments. p. 48.
Erofeev, N.I. - Automation of hoisting and conveying equipment p. 53
Molchanov, G.N. - Review of A.S. Azarov's book "Mechanization and automation of machining parts on lathes." p. 56.
New books. p. 57.
From Soviet periodicals. p. 60.
From foreign periodicals. pp. 63, 3 of cover.

Vol 17, no 9, Sep 1963

Table of contents translated

Important objective of the national economy. p. 1.
Belkin, N.V. - Centralized system of remote transmission, reception and processing of information. p. 4.
Kokhman, V.E. - Automatic system of operational management in lot production. p. 9.
Nemtsev, F.L. - Using electronic computers in mechanizing production management. p. 13.
Krits, B.O., Pigott, S.G., Romm, V.S. - Using computing equipment in accounting and planning in an industrial enterprise. p. 17.
Firshtenberg, IA.IU. - Mechanized calculation of material requirements for workpieces. p 20.
Bogdanov, L.A. - Planning the mechanization and automation of production management. p. 22.
Rapoport, P.L. - Organization and mechanization of engineering design in the development of complex projects. p. 28.
Slonevskii, R.V., Shats, IA.IU. - Automatic design of planetary transmissions. p. 27.
Melkov, A.A. - Using calculating and tabulating machines in mechanizing design and estimation. p. 29.
Loginov, V.N. - Using electronic computers in engineering design p. 32.
Dan'es, F.F., and others. - Using the EV80-3 electronic computer for plotting monthly schedules. p. 35.
Siezinger, G.E. - Unified classification of engineering and management equipment. p. 38.
Devitsyn, E.D., and others. - Equipment for automatic reception of the fundamental information on production. p 42,
Kazachkov, D.L. - Electrographic copying and reproducing machines. p. 44.
Girshovichus, S.Kh., Lendover, A.D., Sedov, I.N. - The "GARSAS" dictaphone. p. 47.
Rachevskaia, E.M. - Card filing equipment as a means for the mechanization of accounting and control. p. 51.
Vorotilova, L.B., Gudim-Levkovich, T.E. - Determining the state and efficiency of the mechanization of engineering design, copying and duplicating processes p 55
Belova, Z.V., Polosina, G.V. - All-Russian conference. p. 58
From Soviet periodicals, August 1963. p. 61.
From foreign periodicals, February 1963. p. 63.

ME[illegible]

[illegible] of mining of the Academy of Sciences of the U.S.S.R.] Moscow, no. 3, 1963.

Table of contents translated:

Balashov, N.D. - Technology of auger mining stages. p. 3.
Kolotarov, K.L. - Testing the working part of the UKM-1 narrow-range cutter-loader under shop and mine conditions. p. 17.
Dobrovol'skii, V.V. - Experimental studies of new methods and equipment for hydraulic filling. p. 33.
Kozhushko, P.I., Smoldyrev, A.I. - [illegible] study of the movement of a coal [illegible] vertical pipeline. p. 61.
Krasnikov, IU.D. - Methodology of determining design loads in static plows p 68
Semencha, P.V. - Use of nonstandard [illegible] for toothed wheels on mining machinery [illegible]
Dolgov, V.L. - Increasing the stability and [illegible] ium of the operation of cutter-loaders [illegible]
Istomin, V.N. - Problems in starting and [illegible] overloading of mining machinery p. 16.
Sorokin, I.P. - Gyroscopic effect in mining [illegible] p. 123.
Tishchenko, L.I. - Use of scintillation [illegible] radioisotope method of measuring the [illegible] toothed wheels p 128.
Melikhova, N.P., Panina, N.E. - Some [illegible] ditions in designing an interchangeable [illegible] machine units. p. 140.
Istomin, V.N. - Methods and means of [illegible] dynamic loads in mining machines with [illegible] ing parts p. 151.
Stepanov, M.L. - Tabulating cable function [illegible] p. 155.
Men'kova, N.M. - Effect of the construction [illegible] eters on the characteristics of shot [illegible] a driving housing. p. 163.
Kusov, E.F. - Study of the start of an asynchronous motor with saturable reactors in the stator circuit shunted by a resistor. p 173.
Frolov, A.G. - Creating apparatus for [illegible] coal and rocks in pipes without a conveying [illegible] p. 180.
Polosukhin, A.IA. - Apparatus for transporting [illegible] flowing materials in pipelines without a [illegible] medium. p. 191.
Polosukhin, A.IA. - Analysis of the operation [illegible] hydraulic rock conveying apparatus in the [illegible] Party Congress Mine No. 1 of the Leninsk [illegible] p. 197.
Roshchinev, E.K. - Operating conditions of [illegible] feeders. p. 203.
Trainis, V.V., Rukov, E.G. - Effect of [illegible] eters on the crushing of anthracite in hydraulic conveying. p. 209.
Druykin, I.N. - Study of industrial types of [illegible] feeders. p 221.
Krilukov, B.I., Goncharevich, I.F. - Development [illegible] nance vibratory machines with nonlinear [illegible] metrical) resilient coupling, taking into [illegible] the starting conditions. p. 231.
Goncharevich, I.F., Saratovskii, E.G., Bliakhe, I.V. - Optimizing the processes of vibratory [illegible] portation by using a digital computer. p [illegible]
Karpov, E.F. - Thermocatalytic principle and [illegible] in constructing methane detectors for [illegible] matic system of protection from gas p. [illegible]
Bukhgol'ts, V.P., Tikhomirova, Z.T. - [illegible] analytic method of designing a magnetic [illegible] with a large air space. p. 267.
Fainanov, B.M. - Unstable nature of ignition [illegible] plosive mixtures with electric sparks. p [illegible]
Petrenko, B.A. - Electric discharge in spark-proof circuits. p. 300.
Petrenko, B.A., Serov, V.I. - Features of [illegible] explosionproof media by electric discharges in spark-proof circuits. p. 318.
Serov, V.I. - Calculation of the equivalent [illegible] of circuits with arc-quenching stages p [illegible]
Mindali, G.V. - Electric safety in low-voltage [illegible] works with neutral grounding through [illegible] resistance under conditions of overcompensation p. 340.
Savel'ev, G.P. - Classification of mine signalling [illegible] tions. p. 355.

MOSCOW, VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF RAILROAD TRANSPORTATION. Transactions]. No. 262, 1963. Issledovanie raboty teplovoznykh dizelei i kholodil'nikov [Investigating performance of diesel locomotive engines and [illegible]

Table of contents translated:

Zelenetskaia, I.S., and others. - Damage to the [illegible] and crankshaft bearings of the 2D100 diesel [illegible] tives during operation when using various lubricating oils. p. 5.
Nasyrov, R.A., Semiszhenova, A.A., Zakhatova, S.M. - Investigating the cooling of pistons and [illegible] cant distribution in the 2D100 diesel engine. p. 21
Fedotov, G.B. - Technological data on the precision instruments of the fuel system of 2D100 diesel engines. p. 36.
Gurevich, A.N., Fedotov, G.B. - Characteristics of the performance of the fuel system of the type 10[illegible] diesel engine. p. 41.
Fedotov, G.B. - Investigating the nature and extent of the wear of the elements of the fuel system of 2D100 diesel engines during operation. p. 53.
Volodin, A.I., Narskikh, I.I., Zagorianskii, IU.A. - Methods for measuring the wear of the crankshafts of diesel locomotive engines. p. 73.
Narskikh, I.I. - Analyzing the performance of the crankshaft bearing assembly of the D50 diesel locomotive engine. p. 85.
Egunov, P.M. - Aluminum radiators for diesel locomotives. p. 101.
Zelenetskaia, I.S., and others. - Results of field and laboratory tests of the Volgograd lubricating oil. p. 117.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHELEZNODOROZHNOGO TRANSPORTA. Vestnik [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF RAILROAD TRANSPORTATION Journal] Vol 22, no 6, 1963

Table of contents translated:

Shchapov, N. P., Zolotarskii, A. I., TSukanov, P. P. - Serviceability of the rail steel and ways to improve it. p. 3.
Petrov, N. V., Kuptsov, V. V. - Spring fastenings with double-layer clamps for reinforced concrete ties. p. 8.
Kats, R. Z. - Wear and reinforcement of frogs with a G13L steel core. p. 11.
Pronkin, E. V. - Determining the interaction between wheel and track by the accelerations in non-springborne masses. p. 14.
Vershinskii, S. V., Meisner, B. A., Zakharov, E. F. - Strength of the body of electric train cars. p. 19.
Karlakin, R. N., Pupynin, V. N., Kuznetsova, G. S. - Experimental investigation of the current drain circuit of a.c. traction substations. p. 22.
Petrov, E. K. - Determining the magnitude of transient currents in the contact network of single-phase railroads. p. 25.
Kedriavtsev, IA. B. - Liquid expenditure of hydraulic transformers as a function of the runner parameters. p. 28.
Ivanov, V. P. - Investigating the wear of the friction pair of the TEP60 diesel locomotive engine. p. 32.
Potapov, V. S., Bakanov, V. I. - Results of the testing of the industrial 26E1 electric locomotive. p. 35.
Boiko, F. I. - Effect of the boosters of emergency braking on the performance of the brakes in a train. p. 40.
Fel'dman, E. D., Baranov, A. M., Kozlov, V. E. - Staged increase of the traffic carrying capacity of single-track lines. p. 43.
Berzluk, F. F. - Run characteristics of long car cuts in their rolling down the humps. p. 50.
Zektser, D. M. - Design of electromagnetic relays with a three-leg core magnetic system. p. 53.
Dobrolubov, V. V. - Effect of corrosion on the wear of rail steel. p. 60.
Lizunov, V. A. - Selecting the radiator type for the warming up of tank cars during the discharge of highly viscous goods. p. 62.
In the departments and laboratories of the Central Scientific Research Institute of the Ministry of Railroad Transportation. p. 64.
Centenary of the Kolomna Plant. p. 64
New books. p. 3 of cover.

PRYKLADNA MEKHANIKA [APPLIED MECHANICS]. Issued by Instytut budivel'noi mekhaniky Akademii nauk URSR [Institute of Structural Mechanics of the Academy of Sciences of the Ukrainian S. S. R.]. Kiev, vol. 9, no. 5, 1963.

Table of contents translated.

Kan, S. N. - Carrying capacity of framed and corrugated circular cylindrical shells subjected to compression. p. 465.
Komisarova, N. L. - Lengthwise corrugated cylindrical shells with an optimum shape. p. 473.
Sclezov, I. T. - Study of wave processes in a cylindrical shell based on the generalized theory. p. 480.
Hur'lanov, V. M., Kosmodamians'kyi, O. S. - Effect of the curvature of an isotropic plate with a curvilinear hole on its stressed state. p. 487.
Mel'nykova, L. A. - Theoretical and experimental investigation of the work of reinforced concrete slabs supported along the contour. p. 496.
Beliankin, F. P., Dybenko, H. I. - Effect of temperature on the specific impact strength of laminated plastics. p. 506.
Stavraki, L. M. - Iteration methods for the solution of geometrically nonlinear three-dimensional problem in structural mechanics. p. 513.
Holubentsev, O. M., Lykhoyd, P. H. - Some properties of integral equations and the analysis of transient processes. p. 520.
Bileush, A. I. - Calculating ragged deformations of loess slopes of water reservoirs p. 529.
Shmakov, IU. I., Pasichnyk, Z. V. - Approximate formulas for the characteristics of a laminar boundary layer on an isolated airfoil. p. 537.
Makhovykov, V. I. - Shift of a cylinder having a multiply connected lateral cross section. p. 544.
Lylvynov, V. H. - Flow of thermoplastic melts in a cylindrical pipe. p. 552.
Eremenko, V. S., Obrema'kyi, S. V., Pavlov, I. H. - Design of a folded cyclically symmetric prismatic shell. p. 561.
Tul'chii, V. I. - Stressed state of a plate with an elliptic hole subjected to bending by a concentrated force. p. 564.
Hordiieiev, V. M. - Calculation of nets. p. 570.
Amiro, I. IA., Yarvak, P. M. - Mykola Vasyl'ovych Kornoukhov (On the occasion of his 60th birthday). p. 573.
Dyshynevych, E. S., Koval'chenko, M. S. - General meeting of the Department of Technology of the Academy of Sciences of the Ukrainian S. S. R. p. 577.

REFERATIVNYI ZHURNAL: AVTOMOBIL'NYI I GORODSKOI TRANSPORT [JOURNAL OF ABSTRACTS: AUTOMOTIVE AND CITY TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 10, Oct. 1963. [This journal is also issued in parts.]

REFERATIVNYI ZHURNAL: DVIGATELI VNUTRENNEGO SGORANIIA (Otdel'nyi vypusk 39) [JOURNAL OF ABSTRACTS: INTERNAL COMBUSTION ENGINES (Separate Issue 39)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 10, Oct. 1963.

REFERATIVNYI ZHURNAL: FOTOKINOTEKHNIKA (Otdel'nyi vypusk 46) [JOURNAL OF ABSTRACTS: PHOTOGRAPHIC AND MOTION-PICTURE EQUIPMENT (Separate Issue 46)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 10-11, Oct. -Nov. 1963.

REFERATIVNYI ZHURNAL: GORNOE, STROITEL'NOE I DOROZHNOE MASHINOSTROENIE (Otdel'nyi vypusk 43) [JOURNAL OF ABSTRACTS: MANUFACTURE OF MINING MACHINERY, CONSTRUCTION EQUIPMENT, AND ROAD MACHINERY (Separate Issue 43)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 10-11, Oct. -Nov. 1963.

REFERATIVNYI ZHURNAL: KOMMUNAL'NOE, BYTOVOE I TORGOVOE OBORUDOVANIE (Otdel'nyi vypusk 33) [JOURNAL OF ABSTRACTS: COMMUNAL, HOUSEHOLD, AND COMMERCIAL EQUIPMENT (Separate Issue 33)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 10, Oct. 1963.

REFERATIVNYI ZHURNAL: KOTLOSTROENIE (Otdel'nyi vypusk 42) [JOURNAL OF ABSTRACTS: BOILER MANUFACTURE (Separate Issue 42)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 10-11, Oct. -Nov. 1963.

REFERATIVNYI ZHURNAL: MASHINOSTROITEL'NYE MATERIALY, KONSTRUKTSII I RASCHET DETALEI MASHIN (Otdel'nyi vypusk 48) [JOURNAL OF ABSTRACTS: MATERIALS FOR MACHINERY MANUFACTURE AND THE DESIGN OF MACHINE PARTS (Separate Issue 48)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 11, Nov. 1963.

REFERATIVNYI ZHURNAL: PISHCHEVOE MASHINOSTROENIE (Otdel'nyi vypusk 38) [JOURNAL OF ABSTRACTS: FOOD MACHINERY MANUFACTURE (Separate Issue 38)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 10, Oct. 1963.

REFERATIVNYI ZHURNAL: PROMYSHLENNYI TRANSPORT [JOURNAL OF ABSTRACTS: INDUSTRIAL TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 10, Oct. 1963. [This journal is also issued in parts.]

REFERATIVNYI ZHURNAL: TEKHNOLOGIIA I OBORUDOVANIE BUMAGODELATEL'NOGO I POLIGRAFICHESKOGO PROIZVODSTVA (Otdel'nyi vypusk 37) [JOURNAL OF ABSTRACTS: TECHNOLOGY AND EQUIPMENT OF THE PAPERMAKING AND PRINTING INDUSTRY (Separate Issue 37)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 20, Oct. 1963.

REFERATIVNYI ZHURNAL: TEKHNOLOGIIA MASHINOSTROENIIA [JOURNAL OF ABSTRACTS: TECHNOLOGY OF MACHINERY MANUFACTURE]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 10, Oct. 1963.

REFERATIVNYI ZHURNAL: TEPLOENERGETIKA [JOURNAL OF ABSTRACTS: HEAT ENGINEERING]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 9-10, Sep. -Oct. 1963.

REFERATIVNYI ZHURNAL: TURBOSTROENIE (Otdel'nyi vypusk 49) [JOURNAL OF ABSTRACTS: TURBINE MANUFACTURE (Separate Issue 49)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 10, Oct. 1963.

REFERATIVNYI ZHURNAL: VOPROSY TEKHNICHESKOGO PROGRESSA I ORGANIZATSII PROIZVODSTVA V MASHINOSTROENII (Otdel'nyi vypusk 35) [JOURNAL OF ABSTRACTS: PROBLEMS OF TECHNOLOGICAL PROGRESS AND THE ORGANIZATION OF PRODUCTION IN THE MACHINERY INDUSTRY (Separate Issue 35)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 10, Oct. 1963.

REFERATIVNYI ZHURNAL: ZHELEZNODOROZHNYI TRANSPORT [JOURNAL OF ABSTRACTS: RAILROAD TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 10, Oct. 1963. [This journal is also issued in parts.]

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; mashinostroenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Machine Manufacture]. Moscow, no. 6, 1963.

Table of contents translated:

Davydov, IA. S. - Undercutting gear teeth with rack-shaped cutters p. 5
Ivanchenko, F. K. - Experimental determination of the flying-out speed of materials from a throwing machine. p. 16.
Plotnikov, M. M. - Elastic properties and stressed state of anisotropic nonuniform cylinders. p. 19.
Egorov, V. I., Sobolev, N. D. - Studying thermal-fatigue strength of heat-resistant materials under variable stressed conditions. p. 29.
Bezrukov, V. I. - Involute gear transmission composed of bevel gear wheels having arbitrary axis positions. p. 40.
Borodachev, N. M. - Solution of the dynamic problem in the theory of elasticity for a circle. p. 51.
Partenskii, B. M - Synthesis of transmission lever mechanisms. p. 60.
Burdenko, A. F. - Effect of the gap and viscosity on damping properties of a liquid damper. p. 67.
Gonskii, G. V., Silva, O. K. - Designing an elastic plunger coupling with a limiting moment. p. 71.
Vishnevskii, V. L. - Diagrams of cyclic stresses in a rectilinear coordinate system (σ_{max} σ_{min}). p. 81.
Podchufarov, B. M. - Dynamics of the cyclic automatic control of a machine having a movable foundation. p. 84.
Chatynian, R. M. - Methods for statistical processing of the results of a small number of fatigue tests. p. 95.
Pogosbekov, M. I. - Limit for increasing the efficiency of an exhaust brake and speed reducer. p. 102.
Roganov, S. G. - Using specified methods for determining certain components of gas samples. p. 110.
Mikhal'tsev, V. E. - Determination of relative fuel consumption in gas-turbine units. p. 114.
Simakov, F. F. - Forced vibrations of a system with n degrees of freedom. p. 123.
Filippov, V. V. - Representation of some thermal processes in a three-dimensional coordinate system. p. 132.
Polukhin, P. I., Grigorian, G. G. - Effect of the axial groove on the strength of working rolls of cold-rolling mills. p. 148.
Anuchin, M. A., and others. - Movement of billets in free explosion forging. p. 155.
Blinov, IU. E. - Theoretical determination of the stopping precision of the table of a program-controlled upright jig drilling machine. p. 162.
IUnusov, F. S., Troianskii, N. S. - Effect of contact pressure in machining on special-purpose band-grinding machines. p. 172.
Inozemtsev, G. G. - Profile errors in ground hobbing cutters. p. 182.
Mitriaev, K. F., Komissarov, V. I. - Investigating cutting temperature conditions in face milling of heat-resistant and titanium alloys. p. 190.
Zuov, A. M. - Effect of oxides on the nonlubricated friction ratio of metal bodies in the air. p. 200.
Shabashov, S. P. - Investigating the wear resistance of experimental and standard brands of hard alloys subjected to grinding. p. 208.

* STANKI I INSTRUMENT [MACHINE TOOLS AND THEIR CUTTING TOOLS]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlen-

B 1[illegible]

[illegible]

Table of contents translated

[illegible]

... - Gear ... precision ... p. 10

... - Cutting straight ... p. 14

... - Various ... formulas in de... fly cutters p. 24

... - ... cutting of ... p. 25

... - ... the cutting of the ... the broaching of cast iron with ... p. 26

... - ... the track switch p. 31

... - ... for two electric ... p. 32

... - ... Rockwell test of large ... p. 33

... - ... for machining electric... p. 34

... - ... semiautomatic chuck lathe ... turret lathes p. 35

... the ... Research Institute of ... the Machine-Tool Industry. p. 37

... - Chip-breaking drill p. 38

... - Modernization of the 1D6ZA mill ... with a 100 mm diameter p. 39

... p. 39

... of the State Publishing House of Literature on Machinery Manufacture p. 41

... p. 42

... to be published by the State Publishing House of Literature on Machinery Manufacture p. 43

TEPLOENERGETIKA [HEAT ENGINEERING]. Organ of ... of Sciences of the ... Moscow, vol. 10, no. 9, Sep 1963.

Table of contents translated

[illegible], F A - Calculation of parameters and in... of a ... network using a high-speed di... computer p. 2

... - Start of steam tur... with nominal and sliding param... p. 5

... - Experimental ... of a water-jet ejector p. 9

... - Effect of ... supply on the hydraulic characteristics of the combustion chamber of a gas turbine system p. 15

Petrosian, R A., and others - Study of sliding start ... of a ... PK-33 once-through type ... with ... shield-type super-heater p. 19.

... - Study of car-buration in a cylindrical model of a peripheral gas ... p. 26

..., A P., Kagan, IA A., Khazmalian, D.M - Design of ejector devices for boiler furnaces p. 30

..., B ..., Semenovker, I.E - Processes and principles of the designing of injector-type steam coolers p. 35

... - Permissible work-... boilers p. 39

... L - Monochromatic ... p. 41

... degree of blackness ... p. 45

... Billach, L.I - ... for checking magnetic ...

... Methods for remov-... istance of 1 Kh18N9T

... of a project on ... using experimental ... 54.

...rishkov, A.IA. - ... capacity of water

... M. - Experimental ... water and water ... of state. p. 61.

... volume of water at ... 15 to 500° C and ... p. 66.

... transmission coeffi-... ures up to 660°C ... p. 71

Sheindlin, A E, and others - Experimental study of the enthalpy of water and steam at temperatures up to 390° C and pressures up to 500 kg/cm^2 p. 76.

Gubarev, A.V. - Problems concerning a magneto-hydrodynamic method for converting thermal energy to electric power p. 81

Rab'in, IU I, Livshits, V.A - Installation of the boiler of a 1,000 Mw block in the Ravenswood electric power plant in the U.S.A p. 85.

Preliminary calculation data for designing desalting systems using the AV-17 anion exchanger. p. 88.

Ivanskii, S I - Concerning K. F Roddatis and I. M Kavinzon's article "Calculation of the stability of hydrodynamic characteristics of the vertical panels of once-through type boilers." p. 92

Mitrokhin, V T - Concerning A V. IAzik's paper "Experimental study of the effect of the number of blades of the runner on the efficiency of a centripetal turbine" p. 92.

Altunin, V. V. - Calculation of the heat capacity of chemically reacting mixtures of real gases. p. 93.

List of periodical articles on boilers. p. 94

TRAKTORY I SEL'KHOZMASHINY [TRACTORS AND AGRICULTURAL MACHINERY]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee] and others. Moscow, vol 33, no. 4, Apr. 1963.

Table of contents translated

Sivak, B G - For technical development of the tractor industry p. 1

Libtsis, S. E., Vasernis, A. I., - Ways for increasing the duty of the T-16 self-propelled chassis. p. 4.

Malyshev, IU. F. - Traction qualities of the T-40 and T-40A wheeled tractors in winter. p. 6.

Mendelevich, IA A. - Methods for calculating the resistance moments and necessary power of electric starting systems. p. 10.

Shitkei, G. L. - New similarity equations for calculating ribbed surfaces of air-cooled engines. p. 14.

Voznesenskii, N. P. - Adapting the engine of the "Belarus'" tractor for operation with condensed fuels p. 17.

Rozental', IU. G, Markovsaia, E. V., Kolchu, L. S. - Determining the pressure on the supports of agricultural loaders with a swinging boom. p. 19

Gladkov, N. G - Machines for flaxseed cleaning p. 23

Shepovalov, V. D - Grain harvesting combine as an object for the automatic driving system. p. 26.

Antoshkevich, V. S. - Limits of the economic effectiveness of agricultural machines p. 28.

Usov, V. V - Unit for testing chain transmissions for wear. p. 31.

Pugachev, A. N., Sergeev, V. V. - The SKVD-6 double-disk sowing apparatus for corn planters. p. 32.

Romanenko, V. P. - Performance of bog rototillers and ways for their improvement. p. 34.

Makarov, M A. - The IKb-5, 0 root crop grinder. p. 35.

Nazarevskii, P. P. - The RKSh-4 rotary stump grubber. p. 36.

Detistov, F. M. - The KVP-6, 3 cultivator for tall crops. p. 36.

Azarevich, G M., Silanov, V. I. - Finishing strengthening machining of holes of unequal rigidity by plastic deformation. p. 37.

Svet, I. Sh. - Method for thermal mass processing of camshafts. p. 40.

Terlikova, T. F., Monchenko, V. P. - Effective method of machining holes. p. 42

Averkiev, IU. A. - Practices in stamping the frame of an oil filter without interoperational annealing. p. 44.

Pleshakov, G. F. - Machines for harvesting potato tubers and tops. p. 45

Mechanization of agriculture in the U. S. A. p. 47.

Sukharev, V. M. - A useful book for machine operators p. 47.

Belkin, IU. - Conference on testing equipment. p. 18.

Brush-breaker and bog plows. p. 3 of cover.

Vol. 33, no. 5, May 1963.

Table of contents translated

Kletskin, M. I., Rabinovich, I. P., Tenenbaum, M. M. - Estimating the reliability and life of agricultural machines. p. 1.

Sarkisiants, E. A., Bekritskii, L. IA. - Family of air-cooled tractor engines. p. 4.

Gorodetskii, K. I. - Some problems in the kinematics of axial piston pumps. p. 8.

Kamenetskii, V. A., Slabospitskii, I. A., Chekrizov, L. G. - Results of testing tractors with automatic friction transmissions. p. 11.

Benlovich, V. S. - Selecting the ratio of the height of the working chamber to the eccentricity of a rotary-piston engine. p. 15.

Boriskov, P. F. - Calculating the process of heating a tractor engine. p. 17.

Kruglov, M. G., Egorov, IA. E, Dmitriev, V. P. - Improving the apparatus for testing engines. p. 18.

Aksenov, S. D. - Increasing the stability of the regulation of fuel injectors. p. 20.

Izakson, Kh. I. - Triphase system of crop harvesting. p 21.

Zargarian, S. R., Andrienko, G P. - ... efficiency of the separator parts of the ... machines. p. 24.

Gafanovich, A. A., Lavrent'ev, E. N. - ... weight parts and units of agricultural ... p. 27.

Balovnev, G. G. - Efficient bent profile ... constructions for agricultural machines ...

Malykhina, T. A. - The RU-4 spreader of fertilizers and green manure crop ... bearing orchards p. 34.

Liutin, M. F., Nazarov, A. V - ... large seedlings. p. 35.

Ivanitskii, V. E. - RN-00 seat lifter ... p. ...

Detistov, F. M. - Grain cleaning and dry... p. 36.

Lobachev, G. P. - Universal trailer-... 1-PTU-3PP. p. 37.

Merkulov, A. M. - Rostov combine ... are fulfilling the decisions of the party and ... government. p. 38.

IAkovlev, F. I. - Causes of the formation of ... on the crankshaft journals during ... ing. p. 39.

Simonov, D. A. - Automatic line for ... of stepped shafts. p. 41.

Podkatilov, K. E., Dudnikov, I. A. - Using ... wrought iron in agricultural machines ...

Baranov, V. A., Subbotin, N. E. - Technol... repairing plunger bushings of fuel pumps ...

Apazidi, G. D., Boiko, A. M., Sharapov, A. V. - Rotary-piston engines of the Curtiss Wright ... p. 45.

Korenenko, E. S. - Trucks with improved ... for agricultural work. p. 47.

Voida, A. N. - In memory of Academician V. ... Goriachkin. p. 48.

From the Scientific Technological Society of ... Machinery Industry: Notice to agricultural engineers, designers, and machine operators ... p. 3 of cover.

Boris Grigor'evich Voronin, obituary. p. ... of ...

Information for authors. p. 4 of cover.

Vol. 33, no. 9, Sep 1963

Table of contents translated

Grigorov, V. A - Immediate tasks in the ... tion of enterprises of the tractor industry ...

Koval', I. O. - The new SMD diesels for ... combines. p. 3.

Shavlokhov, A. E. - Investigating the perfor... pneumatic driven wheels in mellow soil ...

Diatchin, N. B - Determining efficient para... of the vibration of an engine with nonlin... teristic suspension. p. 6.

Karabanov, I I. - Specific gravity parameter ... crawler tractor. p. 10.

IAsenovich, V. E., Kopylov, M. K., Ch... - Results of testing the brake systems in ... trailer trains. p. 12.

Andreeva, E. N. - Perfecting the design of ... pump. p. 14.

Kletskin, M I. - Some problems in developi... sal types of agricultural machines. p. 16

Papp, Agoston. - Friction of a plow. p. 18

Vevers, E. V., Kardashevskii, S. V - ... modelling of the process of sowing ... p. 20.

Voronin, V. A., Vysotskii, V. I. - Studying ... balance of the SKG-3 rice and grain combi...

Shumakov, V. G. - Work conditions on the ... SK-4 self-propelled combines. p. 24.

Krivosheev, V. K., Fomin, A. N. - Increasing ... speed of mowing units. p. 25.

Novikov, IU. F. - Using electron calculating ... in studying and designing the working ... tillage machines. p. 29.

Kostovetskii, I. M. - Studying the process of ... harvesting and chopping of straw. p. 32

Varlamov, G. P. - Determining the operating ... tions of a vibration machine for fruit harv... p 33.

Ustinov, A. N. - The RP-2, 1 rotary ... p. ...

Miagkov, G. T. - The PPN-8-35 semimounted ... bottom plow. p. 36.

Didur, V. T. - The modernized OV-3A vineyard sprayer. p. 37.

Rozovskii, M. S., Fedosov, O. P. - Apparatus for measuring radial pressure diagrams of a plo... ving. p. 38.

Zatulovskii, S. S., Krylov, E. S. - Manufacturing spiked disks of the rotary hoes of a cultiv... high-strength cast iron. p. 41.

Kovrigin, V. D. - Characteristics of the devel... of industrial tractors abroad. p. 43

Tikhomirov, I. - Review of a textbook on the theory, design, and calculations of tractors. p. 45

Podlipenskii, S. IA. - Training engineers for the ... facture of agricultural machinery. p. 46.

Kardashevskii, S. V. - In the Scientific Technical Council of the All-Union Scientific Research Institute of Agricultural Machinery p. 47.

VESTNIK MASHINOSTROENIIA [MACHINE BUILDING REVIEW]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U. S. S. R.] and others Moscow, vol. 43, no 9, ... 1963.

Table of contents translated:

Development of standardization is an important ... in technical progress. p. 3.

Kozlov, I.A. - Redistribution of stresses in rotating disks beyond the limit of proportionality. p. 7.
Zarif'ian, A.Z. - Approximate calculation of I-beams for bending taking torsion into consideration. p. 10.
Shashin, M.IA. - Increase in breaking strength at repeated impacts due to the use of hardening treatments. p. 12.
Ponomarev, O.P., Otchinnikov, N.F. - Investigating the automatic device for limiting maximum fuel supply in diesel engines. p. 15.
Polukhin, P.I., Potapov, I.N., Pinagin, P.M. - Adjustment of drives for pipe-rolling mills securing a steady rotation of rolls. p. 18.
Rivin, E.I., Augustaitis, V.V. - Elastic modulus for V-belts. p. 21.
Zhermunskii, B.I. - Effective connecting-rod curves for gantry crane jibs. p. 24.
Braude, V.I., Leikin, B.S., Onishchenko, V.I. - Actual trajectory of load movement during the change of switch jib overhanging in gantry cranes. p. 26.
Kotarov, I., TS'rvenkov, N. - Design of the main beams of crane bridges. p. 28.
Chukmasov, S.F., Roslik, A.I. - Device for measuring rope torsion in hoisting machinery. p. 31.
Efremenko, P.G., Shepelenko, G.N., Kodenko, M.N. - Using induction transducers for measuring displacements in the elements of the power transmission of a tractor. p. 32.
Silkin, A.S., Kakuevitskii, V.A. - Breakdown of hard chromium plating caused by a rocking movement. p. 35.
Nikolaevskii, V.F., Vaisfel'd, L.S. - Lapping the connecting-rod unit of a diesel locomotive compressor. p. 37.
Belov, V.A., Smirnov, B.I. - Selecting allowances and fits for capron bearings. p. 39.
Finkler, S.E. - Using epoxy compositions in making master forms. p. 41.
Sigov, I.V., Grudev, M.L. - Multipurpose planetary reducing gears. p. 43.
Granovskii, G.I. - Measurement methods and criteria for the wear of metal-cutting tools. p. 45.
Proskuriakov, IU.G., Pozdniakova, I.V. - Increasing the wear resistance of surfaces by burnishing. p. 52.
Antonevich, V.S., Minta, V.N. - Superfinish of rolled surfaces with bars having a graphite filler. p. 57.
Stepanskii, L.G. - Boundaries of a plastic deformation focus caused by extrusion. p. 59.
Gavranek, V.V., Bol'shutkin, D.N., Volontsevich, O.A. - Investigating the erosion strength of steel hardened by electric spark treatment and subjected to grinding. p. 62.
Gol'denberg, A.A., Romashova, G.M. - Factors affecting the hardenability of hypereutectoid alloyed steel. p. 64.
Besser, M.R., Baskov, L.V. - Depth and characteristics of changes in the structure of hardened alloyed steel caused by grinding. p. 67.
Ryzhov, E.V., Vishniakov, P.A. - Determination of the dimensional wear of cutting tools working with heavy feeds. p. 69.
Dartashev, L.V. - Economic indices of the evaluation of machinery design. p. 71.
Raikhlin, M.V. - Using mechanization equipment in preparing the production in metal-construction shops. p. 74.
Klimenko, K.I., L'vov, D.S. - Evaluating economic efficiency of new designs of equipment. p. 79.
Debrianskii, A.I. - Briquetting metal chips. p. 82.
Romanchuk, V.S. - Using the method of linear programming in investigating the design of production specialization. p. 85.
New books. p. 93.
Review of foreign periodicals. p. 93.

ZA BEZOPASNOST' DVIZHENIIA [FOR TRAFFIC SAFETY]. Issued by Otdel RUD i GAI UVD Ispolkoma Mosgorsoveta [Traffic Department and the State Automobile Inspection Agency of the Administration of Internal Affairs of the Executive Committee of the Moscow City Soviet]. Moscow, vol. 6, no. 7(62), July, 1963

Table of contents translated:

Murashev, V. - Positive and negative results. p. 1.
Kruzhkov, S. - An accomplished life. p. 3.
Pankov, V. - An offender is on the road. p. 5.
Kurinov, B. - When a pedestrian is guilty. p. 6.
Mikhailov, V. - An important discovery. p. 6.
Vasil'chenko, T. - Happy motoring, automobilists. p. 8.
Pollenov, A. - Automobile and bicycle drivers. p. 10.
Frenkel', M. - Notes of a lawyer. p. 11.
Makarov, N. - It is the first mistake that costs. p. 12.
Mironov, M. - Silent narrators. p. 14.
Following up our articles. p. 15.
Our mailbox. p. 16.

ZHELEZNODOROZHNYI TRANSPORT [RAILROAD TRANSPORTATION]. Organ of Ministerstvo putei soobshchenia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 45, no. 5, May 1963

Table of contents translated:

Editorial: Railroad transportation at its new level. p. 3.
Nachuchenko, S.F. - Prepare in due time for the transportation of agricultural products. p. 8.
Lemeshchuk, P.K. - Collective of the Oktiabr' Main Line struggles for the increase of labor productivity. p. 13.
Bogdanov, I.A. - Reducing car detention time in loading and unloading stations is an important potential. p. 18.
Kotiash, G.L., Trushin, A.M. - Applying the door-to-door principle in freight transportation. p. 22.
Korotkov, V.N. - Mechanization and advanced technology are the basis for a further increase of labor productivity in freight operations. p. 25.
Bulankov, L.V. - Potentials for increasing the efficiency in the utilization of locomotives. p. 31.
Okhoshin, L.I. - Important yet still unsolved problems in the electrification of railroads. p. 35.
Bombardirov, P.P. - Methods for a proper organization of the maintenance of axle boxes. p. 39.
Tikhonchuk, IU.N. - Concentration of freight operations and the freight rates. p. 42.
Eradze, D.G. - Intermediate rail fastenings and improvement of the superstructure. p. 45.
Petrov, IU.P. - Advantages of the independent excitation of traction engines. p. 50.
Supin, V.V. - What hampers the serial production of isothermal cars with machine cooling. p. 51.
Ushakov, S.S. - Urgent problems in the improvement of locomotives. p. 54.
Shadur, L.A., Lukin, V.V. - Freight car capacity in the long-range design. p. 57.
Gruntov, P.S. - Efficient method of organizing local operations in the stations of high volume lines. p. 62.
Bagirov, A.M. - Improving the organization of petroleum and petroleum products transportation. p. 65.
Kondakov, K.P., Kruglov, V.M. - Conveyor tunnels in the maintenance and inspection stations. p. 69.
Kosorotov, N.G. - New methods of work in sections with centralized traffic control. p. 72.
Khoriak, M.V. - Mechanization of the operations of car servicing before trips. p. 75.
Skrygin, V.N. - Increasing the efficiency of inclined sorting tracks. p. 77.
IUshchenko, N.R., Shafit, E.M. - Sorting of six-axle cars in hump yards and the braking characteristics of retarders. p. 78.
Polishchuk, I.A. - New developments in the planning and utilization of amortization deductions. p. 82.
In the Scientific and Technical Council of the Ministry of Railroad Transportation. p. 87.
Matula, E. - Role of rapid freight trains in the international freight transportation. p. 88.
New developments in foreign technology. p. 89.
Vetukhov, E.A. - Valuable textbook on stations and junctions. p. 92.
Basov, IU.M., Lebedeva, M.I. - Serious shortcomings of an important book. p. 93.
Rubin, D.V., Rezer, S.M. - Development of carrying and forwarding services. p. 95.

b MINING & METALLURGY

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata, Institut metallurgii i obogashchenita. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Metallurgy and Ore Dressing. Transactions], Alma-Ata, vol. 6, 1963. TSvetnaia metallurgiia [Nonferrous metallurgy].

Table of contents translated:

Gutsaliuk, T.G., Korabilina, M.P., Sokolov, M.A. - Dressing oxidized Dzhezkazgan copper ore. p. 3.
Skormina, R.A. - Obtaining a stable concentrated emulsion from lubricating oils. p. 11.
Revazashvili, B.I. - Distribution of residual concentrations of xanthate in the flotation process and its connection with technological indices. p. 14.
Ruban, N.N., Ponomarev, V.D., Vinogradova, K.A. - Solubility of iron and aluminum chlorides in titanium tetrachloride. p. 22.
Ponomareva, E.I., and others. - Interaction of zinc sulfide with sodium plumbite. p. 30.
Malkin, IA.Z., Polyviannyi, I.R. - Studying the solubility of arsenic compounds in alkali sulfide solutions. p. 34.
Shalavina, E.L., Zhakipova, Z.D. - Dissolving indium and thallium sulfides in aqueous solutions of heavy metal sulfates. p. 47.
Nikiforov, IU.A., Ponomarev, V.D. - Interaction of rhenium heptoxide with calcium oxide in the presence of sulfurous anhydride. p. 51.
TSeft, A.L., Dadabaev, A.IU., Naimanov, S. - Processing Balkhash copper concentrates. p. 55.
Polyviannyi, I.R., Miliutina, N.A. - Hydrometallurgical processing of fused sodium matte from sodium *sulfate smelting of cupellation*. p. 64.
Miliutina, N.A., Polyviannyi, I.R. - Treatment of alkali melts obtained in the smelting of tellurium-bearing materials. p. 72.
Polyviannyi, I.R., Malkin, IA.Z. - Investigating the leaching of arsenic out of converter dusts with solutions of sodium sulfide. p. 77.
Demchenko, R.S., Polyviannyi, I.R. - Sodium sulfate method of processing copper dross. p. 91.
Solov'eva, V.D., Polyviannyi, I.R. - Smelting the dusts from shaft furnaces in lead plants with sodium sulfate. p. 106.
Polyviannyi, I.R., Anan'ev, N.I. - Smelting antimony concentrates for thio salts and glassmaking. p. 118.
Polyviannyi, I.R., Solov'eva, V.D. - Hydrometallurgical treatment of fused thio salts and cadmium sublimates from the smelting of shaft furnace dusts with sodium sulfate. p. 130.
Polyviannyi, I.R., Anan'ev, N.I. - Simultaneous leaching of fused thio salts of antimony and sodium antimonate. p. 130.
Lebedev, K.B., Pimenkhodzhaeva, T.Sh. - Selecting an adsorbent and a solution medium for the recovery of rhenium and thallium from lean solutions. p. 148.
Isakova, R.A., Nesterov, V.N., Shendlanin, A.S. - Vapor pressure and the dissociation of copper and bismuth sulfides. p. 156.
Babin, P.N., Shcheglov, A.G. - Chemical, mineralogical, and technological characteristics of rocks of the "Khetinskii" talc deposit. p. 160.
Babin, P.N., Venderova, L.K. - Effect of the structure of magnesite on its technological properties. p. 171.
Babin, P.N., Prokhorova, R.G. - Refractories made of Kemp'say chromite ores. p. 181.

AKADEMIIA NAUK SSSR. Izvestiia. Metallurgiia i gornoe delo [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Metallurgy and Mining]. Moscow, no. 2, Mar.-Apr. 1963.

Table of contents translated:

Novokhatskii, I.A. - Calculation of the thermodynamic characteristics and conditions for the reduction of magnesium and calcium chromites. p. 3.
Riabchikov, I.V., Mikulinskii, A.S. - Conditions for the reduction of magnesium oxide by silicon during the smelting of magnesium addition alloys. p. 9.
Malysheva, T.IA., Rakcheev, A.D. - Composition of the ore part of magnetite ore sinters. p. 13.
Ogryzkin, E.M. - Interaction between a jet of oxygen and liquid pig iron during its top blowing in a converter. p. 17.
Volkov, S.E., Samarin, A.M. - Effect of the deoxidation of steel by aluminum on the process of its desulfuration. p. 22.
Lbichevskii, B.V. - Desulfuration of ball-bearing steel in a vacuum induction furnace. p. 29.
Etshov, G.S., Mikhailikov, S.V. - Investigating the possibility of steel refining by liquid synthetic slags. p. 33.
Averin, V.V., Garnyk, G.A., Samarin, A.M. - Thermodynamic conditions for the interaction between nitrogen on one hand and silicon and aluminum on the other, in transformer steel. p. 40.
Zhukov, A.A. - Intercrystalline segregation of silicon in cast iron. p. 47.
Zlazov, V.L., Tanutiov, I.N. - The gas content of anodic copper. p. 54.
Liutikov, R.A., TSylev, L.M. - Effect of chromium oxides on the viscosity and conductance of melts in the system silicon oxide - magnesium oxide - aluminum oxide. p. 59.
Temesi, Sh. - High temperature microscopy for the determination of melting and crystallization temperatures of slags. p. 67.
Sokolov, O.K. - Equation for calculating the products of ion exchange reactions occurring in melts with a change in the number of moles. p. 73.
Nisel'son, L.A., Pustil'nik, A.I., Soshnikova, L.A. - Separation of selenium from tellurium by distillation. p. 79.
Romanenko, V.N. - Distribution of impurities in crystals pulled out of a melt in crucibles connected by a capillary. p. 86.
Lamikhov, L.K., Samsonov, G.V. - Inoculating aluminum with transition metals. p. 96.
Boom, E.A. - Inoculating hypereutectic silumins. p. 98.
Alekseeva, F.N., and others. - Process of compacting high-melting metal powders during pressing. p. 100.
Andrievskii, R.A., Kalikhman, V.L., Sotonin, S.M. - Effect of sintering temperatures on the shrinkage, properties and the structure of briquets made of chromium-nickel steel powders. p. 104.
Pavlov, I.M., Osipov, V.G. - Consecutive patterns of the strained state in a disk under impact. p. 112.
Alekseeva, T.A., Lozinskii, M.G. - Characteristics of the kinetics of plastic deformation in commercial-grade iron at temperatures from 20 to 1000°. p. 116.
Aizenson, E.G., Spivak, L.V. - Effect of ultrasonic waves on the isothermal decomposition of austenite in KhVG steel. p. 124.
Belousov, O.K., Kornilov, I.I., Mikheev, V.S. - Mechanical properties of solid solutions on the basis of alpha-titanium at temperatures of -196°. p. 130.
Eliutin, O.P., and others. - Physical properties of alloys of the titanium corner in the system titanium-aluminum-tin. p. 136.
Fedotov, S.G., Nartova, T.T., Smodova, E.P. - Elastic properties of titanium-tin alloys. p. 141.

B 15)

O [illegible] K A, Mikhailov, E. M., Ivanov, A. L. - [illegible] of the creep of alloys of the titanium-aluminum system. p. 142

[illegible], V. A., Fedorov, V. S. - Experience in the [illegible] of high-temperature creep of steels and alloys. Report 1. Methods of tests. p. 153

Afanas'ev, E. A., [illegible], V. V., Belash, G. I. - Using [illegible] for the creep rupture [illegible] of [illegible] p. 161

Fedorov, F. F., Vasil'ev, T. B., and Ivanov, R. S. - Study of the mechanical properties of tantalum [illegible] interacting with certain flotation [illegible] p. 167

Voronin, A. A. - Control of combustion in vacuum induction furnaces. p. 173

[illegible] V. A., Pogorelov, K. B. - Second All-Union Conference on Rheology. p. 174

No. 4, July - Aug. 1963.

Table of contents translated

Ivan Petrovich Shevlyakov. p. 1

Abramov, M.I. - Objectives of scientific research in mining at deep levels of the Krivoy Rog Basin iron ore deposits. p. 3.

Plaksin, I.N. - Mineral dressing in the Ukrainian S.S.R. p. 15.

Belikov, A.I. - Aluminum distillation through subhalogenides. p. 22.

Berkovich, Z.I., Gladkov, N.A., Maimar, B.N. - Investigating the reduction process by changes in the magnetic properties of ores. p. 32.

Krasnikov, N.I., Chekin, B.V., Chekin, V.V. - Using the magnetic method to determine the reducibility of iron ores. p. 35.

Vasilinskii, N.A. - Conditions for the formation and the thermal stability of maghemite. p. 39.

Lokshin, B.K. - Dependence of the reaction rate of carbon oxide decomposition on temperature. p. 46.

Frolov, G.S. - Silicon reduction in an acid steel smelting process. p. 54.

Sokolov, O.K. - The surface tension of melts. p. 59.

Gel'fgat, I.I., Sokolov, G.A. - Boundary of the spontaneous slaking of slag in the system CaO - MgO - Al_2O_3 - SiO_2. p. 65.

Vol'skii, A.N., Agrachova, R.A., Sergievskaia, E.M. - Efficient analysis of nickel compounds in waste slags from the smelting of nickel. p. 70.

Ilunkin, S.E., Chernov, A.I. - Forms of nickel losses with waste slags during the shaft furnace smelting of nickel ores for the production of matte. p. 81.

Saltykii, E.M., Kim, T.A. - Structure and properties of alloys obtained by the eutectic change method. p. 89.

Korol'kov, V.I., Nikitina, G.V., Romanenko, V.N. - Zone melting as an auxiliary method in the analysis of phase diagrams. p. 95.

Malinochka, IA.N. - Cellular structure of steel. p. 100.

Gol'dshtein, IA.E., Charushnikova, G.A., Belikov, A.M. - Characteristics of phase transformations, structure, and properties of manganese steel. p. 105.

Zakorko, Zh.B., Pogrebnoi, E.N. - Diagrams of the isothermal decomposition of austenite in graphitizable steel. p. 112.

Lepinskikh, B.M., Esin, O.A., Anan'in, A.A. - Studying the electromotive force in processes of cast iron modification by magnesium addition alloys. p. 117.

Shalashov, V.A. - Chromium distribution among phases of hypoeutectic cast iron. p. 121.

Presniakov, A.A., Starikova, G.V. - Kinetic correspondence between transformations and deformations in the formation of superplasticity. p. 127.

Surova, E.A., Bystrov, L.N., Ivanov, L.I. - Connection between the elasticity modulus and the creep rate in iron-aluminum alloys at high temperatures. p. 130.

[illegible], I.I. - Fine [illegible] temperature [illegible]

AKADEMIIA NAUK SSSR, Ural'skii filial, Sverdlovsk, Institut metallurgii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch, Institute of Metallurgy, Transactions], Sverdlovsk, no. 9, 1962. Issledovanie protsessov listovoi i lentochnoi prokatki [Investigating processes of sheet and strip rolling].

Table of contents translated

Preface. p. 3.

Adopted system of symbols. p. 4.

Sulerov, D.I., and others - Determining the curves of metal hardening by compression. p. 5.

Sulerov, D.I., Sirotin, M.I. - Formula for converting the amount of deformation in specimen compression to the amount of deformation in strip rolling. p. 13.

Chubrikov, L.G., Sulerov, D.I., Sirotin, M.I. - Measuring forces in rolling on plate mills. p. 17.

Chubrikov, L.G., Sirotin, M.I., Sulerov, D.I. - Investigating reduction conditions on plate mills at the Asha metallurgical plant. p. 27.

Chubrikov, L.G., Sirotin, M.I., Sulerov, D.I. - Algorithm of the control of the screw-down mechanism on plate mills. p. 35.

Sulerov, D.I., Sirotin, M.I., Chubrikov, L.G. - Principles of calculating diagonal rolling. p. 41.

Chubrikov, L.G. - Converting the stress of a tension dynamometer into a digital code. p. 49.

Korzh, V.P., Sulerov, D.I. - Measurement of rolling moments. p. 61.

Korzh, V.P., Shilov, V.I. - Equipment for the investigation of the strip rolling process. p. 63.

Abdulov, IU.P. - Determining the leading and lagging of the metal being rolled by the motion-picture photography method. p. 69.

Abdulov, IU.P., Telezhnikova, G.N. - Investigating the cold rolling of steel strip with welded butt joints. p. 77.

Sulerov, D.I., Korzh, V.P., Shilov, V.I. - Using glass as a metalworking lubricant during hot rolling. p. 83.

Shilov, V.I., Korzh, V.P. - Investigating power conditions for the cold rolling of a titanium alloy strip. p. 87.

Shilov, V.I., Korzh, V.P. - Rolling of titanium alloy foil. p. 101.

Odinokova, L.P., Korzh, V.P., Shilov, V.I. - Plastic properties of certain titanium alloys. p. 107.

AZERBAIDZHANSKOE NEFTIANOE KHOZIAISTVO [AZERBAIJAN PETROLEUM INDUSTRY]. Organ of Sovet narodnogo khoziaistva Azerbaidzhanskoi SSR and Gosudarstvennyi komitet Soveta Ministrov Azerbaidzhanskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot [Economic Council of the Azerbaijan S.S.R. and the State Committee of the Council of Ministers of the Azerbaijan S.S.R. for the Coordination of Research], Baku, vol. 42, no. 1(439), Jan. 1963.

Table of contents translated:

Let us carry out the decisions of the November Plenum of the Central Committee of the CPSU. p. 1.

Abdullaev, G.K., Guseinov, M.R., Guseinov, G.A. - Role of tectonic factors in the formation of oil pools in the Caspian Tertiary monocline. p. 4.

Goberman, K.I., Rapoport, S.IA., Tumikian, G.G. - Tectonic pattern of the Lokbatan-More area based on seismic prospecting data. p. 6.

Kireev, V.F., Logovskaia, G.K. - Method for determining the actual thicknesses in the cross section of the producing formation of the Kalmas field. p. 9.

Orudzheva, S.D. - Hydrodynamic conditions influencing the formation of oil pools in the Sub-Kirmaki series of the Bibi-Eybat field. p. 11.

Madatov, E.Kh., Rakhmanova, S.K. - Petrographic characteristics of carbonate rocks in Upper Cretaceous sediments of the Kirovabad oil- and gas-bearing area (Dallyar-Tauz and Gyullyudzha sections). p. 13.

Rustambekov, A.F., and others. - Practices in drilling wells of a simplified structure under complex geological conditions in the Kyanizadag area. p. 16.

[illegible] N.M., and others. - Wear of tricone bits [illegible] rilling in the Zyrya area. p. 18.

[illegible].P. - Production of oil pools under con[illegible] combination drive. p. 21.

[illegible]h.B., Ishkhanov, V.G. - Some results [illegible] roduction by means of lowering the lift [illegible] to the lower slots of the liner. p. 23.

[illegible].M., Dzhamalov, I.M. - Using rodless well production in Azerbaijan fields.

[illegible] D.I. - Results of using the sand-phe[illegible]ldehyde mixture for processing well[illegible]ass. p. 28.

[illegible]'.M., and others. - Production of in[illegible]ills of high stability. p. 30.

[illegible]A. - Relationship between thermal con[illegible]nd producing depth in the Bibi-Eybat [illegible]2.

[illegible].A., Alekperov, G.Z., Ismailova, L.G. - [illegible]ar substances on the thermal stability [illegible]uels. p. 34.

[illegible] G. - Industrial characteristics of [illegible]oils. pp. 37, 46.

[illegible]M. - Considering the dynamic charac[illegible]f offshore structural elements in a liq[illegible]n. p. 39.

[illegible] Kuliev, R.P., Kalmykov, P.I. - Automatic [illegible]ory measuring device. p. 41.

Kaufman, V.P., Berkolaiko, Z.M., [illegible] Calculating and planning labor productivity [illegible] drilling. p. 44.

DONETSK. NAUCHNO-ISSLEDOVATEL'SKII [illegible] INSTITUT. Sbornik [SCIENTIFIC RESEARCH [illegible] INSTITUTE. Papers]. Moscow, no. 2[illegible], [illegible]

Table of contents translated:

Sheatov, P.I. - Results of tests of the [illegible] GS-2A, and GS-4 hydraulic supports. p. [illegible]

Korneev, B.N., and others - Technological [illegible] and efficiency of scraper rock filling [illegible] out area of longwalls in flat seams. p. 4[illegible]

Shumeiko, V.I., Oreshkin, V.I. - Results [illegible] of the movement of a rock massif [illegible] being mined. p. 31.

Beda, V.S. - Controlling roofs and timbering [illegible] Lvov-Volyn' Basin mines. p. 41.

Oleshchenko, V.Z. - Optimum parameters [illegible] pillar system of mining in Lvov-Volyn' [illegible] mines. p. 47.

Spitsyn, IU.G. - Practice of using the [illegible] method to study the stress state of a coal [illegible] p. 53.

Spitsyn, IU.G., Remik, IU.R., Churakin, [illegible] Using seismoacoustic apparatus to study [illegible] ics of the stress state of a coal seam. [illegible]

Ivanov, N.I., Kaganskii, M.E., Dybets, [illegible] Effect of concentrating production on the [illegible] indices of mines. p. 67.

Kutovoi, V.I., Shapiro, I.G. - Determining [illegible] of fine classes of coal in the operation of [illegible] machines. p. 80.

Filin, V.D. - Results of using anchor bolting [illegible] development workings of Donets Basin [illegible]

Epifantsev, IU.K., Khristenko, P.N. - [illegible] reducing the number of simultaneously [illegible] in development workings of Donets Basin [illegible] p. 114.

Timinskii, V.N. - Supporting development [illegible] mining individual seams in Lvov-Volyn' Basin mines. p. 124.

Vinarskii, I.S. - Gas emission from the mined [illegible] in the pillar system of mining. p. 130.

Krivoruchko, A.M. - Role of the rock massif [illegible] midity changes in deep mine workings. p. 161.

Tikhonova, N.V. - Effect, based on studies [illegible] on models made of equivalent materials, [illegible] operations on the occurrence of rock pressure [illegible] mining flat seams by means of longwalls [illegible] bers with timbering. p. 173.

---

*GEOLOGIIA NEFTI I GAZA [THE GEOLOGY OF [illegible] TROLEUM AND GAS]. Organ of Gosudarstvennyi [illegible] geologicheskii komitet SSSR and Gosudarstvennyi [illegible] proizvodstvennyi komitet po gazovoi promyshlennosti [illegible] SSSR [State Geological Committee of the U.S.S.R. and the State Production Committee for the Gas Industry of the U.S.S.R.]. Moscow, vol. 7, no. 8, Aug. 1963.

Table of contents translated:

Vassoevich, N.D. - Oil formation in continental (lake) sediments. p. 1.

Miteshina, A.G., Safonova, G.I. - Changes in the chemical composition of petroleums caused by [illegible] adsorptive properties of clay rocks. p. 7.

Karimov, A.K. - Primary migration of hydrocarbons of the petroleum series. p. 11.

Rodionova, K.F., Shishenina, E.P., Korolev, R.[illegible] - Studying the composition of asphaltenes in dissem[illegible]nated bituminous matter. p. 15.

Reznikov, A.N. - Formation properties of Upper Cretaceous petroleums in the frontal ranges of eastern Ciscaucasia. p. 21.

Romanovich, I.S. - Geological conditions governing the formation of the Shebelinka gas field. p. 24.

Klitochenko, I.F., Stamborskii, N.A. - New data on box folds in the Dnieper-Donets Lowland. p. 30.

Ivanov, A.K., Marukhniak, N.I. - Reservoir properties of rocks in fields of the Carpathian piedmont fault. p. 35.

Polukhtovich, B.M. - Possible lithologic oil and gas traps in Oxford sediments of the southwestern part of Moldavia. p. 38.

Chernousov, V.D. - Formation of the structure of the Arlan oil field. p. 42.

Egorov, I.S. - Disjunctive character of a series of tectonic dislocation in the lower Kama Valley. p. 46.

Neprochnov, IU.P., Moskalenko, V.N. - Structure of the Gataula shelf based on reconnaissance seismic investigations. p. 51.

Shevchenko, V.R. - Using the results of seismic prospecting for paleotectonic concepts. p. 55.

Vysotskii, I.V. - Concerning S.G. Neruchev's book "Oil producing series and the migration of oil." p. 59.

Information. p. 60.

GORNYI ZHURNAL [MINING JOURNAL], Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, *no. 9, Sep. 1963.*

Table of contents translated:

Sobiev, B.M., Khodov, L.V. - Underground leaching holds great promise for the copper industry. p. 3.

Shashurin, S.L., and others. - Discussion of B.F. Novozhilov's article "Quality of ferrous metal ores and the profitableness of production." p. 5.

Shtionskii, M.S., Nedogon, A.V. - Discussion of A.V. Baronenkov's article "Improvement of planning and stimulation of interest in bonuses on the part of miners. p. 9.

Novozhilov, M.G., and others - New technological layouts for using the open-pit method to work Ukrainian manganese ore deposits. p. 12.

Rulkovskii, B.T. - Determination of the coefficients of overburden and volumes of work in a pit. p. 16.

Malakhov, G.M., Bezukh, V.R., Rudenko, A.I. - Ways of increasing the efficiency of complete mining of untouched blocks of ore and interchamber pillars. p. 20.

Popov, G.N., Kol'tsov, V.M. - Systems of mining with set filling. p. 24.

Shatilov, A.P. - Results of industrial tests of three-roller pin bits. p. 28.

Aleksandrov, N.N., Azarkovich, A.E., Ignat'ev, N.N. - Using continuous equipment in rock blasting. p. 30.

Deviatkin, V.V., Merkulov, A.I. - Tower headframes with multirope machines for Severoural'sk bauxite mines. p. 32.

Galimzianov, F.G. - Study of intake boxes for fans with two-way suction. p. 36.

Bakholdin, B.A., Rykhal'skii, IU.A., Leskovich, V.I. - Modeling the starting of belt conveyors with single-drum drives. p. 39.

Doroднin, N.I. - Protective groundings for underground mining under permafrost conditions. p. 45.

Katolikov, V.E. - Automatic control of a multirope cage hoist. p. 48.

Lebedev, I. - Answer to the editor's query. p. 53.

Parunakian, V.E. - Universal tie-renewal machine for open-pit mines. p. 54.

Peshkov, V.I., Aksanov, Sh.I. - Results of industrial tests of the BS-80 small automatic drilling rig. p. 55.

Karmazin, V.I., Shupov, L.P. - Some problems in dewatering fine iron concentrates. p. 56.

Dolitsyna, G.B., Men'shchikov, F.S. - Effect of flocculants on the efficiency of dewatering iron *concentrates. p. 60.*

Kontorovich, G.I. - Dressing iron-manganese ores of the Atasu group of deposits. p. 64.

Fadeev, A.B. - Testing the KZDSh-56 relay. p. 66.

Kalmykov, P.P. - Rotary furnace for heating bits. p. 66.

Andrienko, P.F. - Self-propelled drilling unit. p. 68.

Faizullin, A.M. - Drifting without excessive breaking *of rock. p. 69.*

Zubarev, S.N. - Iron ore dressing plants in the U.S.A. and Canada. p. 70.

Andriukhin, V.S., Fedulin, L.E., Shkurupii, P.L. - Chain pusher. p. 74.

Madrik, P.E., Shurygin, A.A. - Device for determining strain in ropes and flexible wires. p. 74.

Man'kovskii, G.I., and others. - Solution for binding rocks. p. 75.

Scientific and technical conference on electrical safety in mining enterprises. p. 75.

Nikolai Grigor'evich Trupak; on his 60th birthday. *p. 75.*

Gulevich, G.E. - Location of supporting pillars in the chamber and pillar system of mining. p. 76.

Volodomonov, N.V., Zenkov, D.A., Kallistov, P.L. - Review of V.V. Pomerantsev's book "Estimation of ferrous and nonferrous metal ore deposits." p. 78.

New books on mining. p. 79.

Foreign periodical literature. p. 80.

LITEINOE PROIZVODSTVO [FOUNDRY PRACTICE]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, no. 8, Aug. 1963.

Table of contents translated.

Increase the effectiveness of scientific and technical literature. p. 1.

Ioffe, A.IA. - Die casting with the use of vacuum. p. 2.

Loktionova, N.A. - Size stability of AL9 alloy castings depending on the conditions of heat treatment. p. 4.

Nikiforov, A.P., Vasin, IU.P. - Mold paste to avoid sand sticking on castings and facing mixtures on the basis of chromite from Don Valley deposits. p. 6.

Ainbinder, A.B., Eremenko, A.T., Mel'nikov, V.S. - Automatic equipment for vacuuming mold cavities for die casting. p. 7.

Izrailevich, L.A. - Operation of jolt molding machines with air distribution valves. p. 8.

Kopel'man, I.E., Semenov, L.A., Smolnikov, A.N. - Improving the molding process on punch-auger machines. p. 12.

Zharov, N.T., Kushch, M.M. - Searching and correcting method of sand mixture distribution. p. 13.

Kalish, R.M. - Effect of vacuuming mold cavities on the properties of die cast castings. p. 14.

Kurdiumov, A.V., Demin, IU.V., Zhdanov, G.S. - Effect of technological factors on the mechanical properties and tendency toward crack formation of the ML5 alloy. p. 17.

Bogdanov, B.L. - Conditions of cooling and the structural characteristics of castings with internal cavities. p. 18.

Mutilov, V.N. - Compression equation. p. 20.

Shurygin, P.M., Baronenkov, V.N. - Kinetics of melt formation of the cupola slag type. p. 22.

Cherniavskii, I.IA. - Shrinkage of slag melts. p. 24.

Pogodin-Alekseev, G.I., Shchelokov, K.F. - Forming cast metal-oxide compositions with the help of ultrasonic waves. p. 26.

Radia, B.S. - Preshrinkage expansion of magnesium iron in permanent mold casting. p. 28.

Bordiug, G.K. - Ultrasonic testing of magnesium cast iron crank shafts. p. 29.

Chernobrovkin, IU.G., Belavin, L.P. - Die casting in small batch production. p. 30.

Fomichev, V.P. - Cover with exhaust for DSP-3 type furnaces. p. 30.

Karpenko, A.A. - Chamotte crown with air cooling. p. 31.

Sandik, A.M. - Controlling the gates of an open-hearth furnace from a charging crane. p. 31.

Tumut'ko, E.K. - Improved design of rotary pouring ladles. p. 31.

Balinskii, V.R. - Investigating the effect of certain inoculants on the properties of malleable cast iron. p. 32.

Volkov, V.M. - Efficient gating systems for the casting of fittings. p. 33.

Gorenko, V.G., Pronin, IU.A., Markevich, A.P. - Determining the linear speed of metal pouring. p. 34.

Mishukov, F.A., Fomin, S.F., Kosterin, A.A. - Centrifugal casting of liner blanks. p. 34.

Nikul'shin, IU.A. - Centrifugal casting of worm gear. *p. 35*

Filippov, IU.N. - Group method of wax patternmaking. *p. 35.*

Zhukov, A.S., Grechuk, A.I., Bucharin, R.T. - Quick-change patterns for machine molding. p. 36.

Pronin, G.N., Kuz'menko, A.F. - Mechanized removal of sand mixture from molding machines. *p. 36*

Talanker, E.I. - Overhead foundry conveyor. p. 36.

Galsin, B.M., Lepilov, F.F. - Improved bricklaying of roll-out hearth bottoms in petroleum gas heating furnaces. p. 38.

Melua, N.D. - New method of fixing blades on shot blasting machines. p. 38.

Bauman, B.V., Blagov, B.N., Chernin, E.A. - Pneumatic tube transportation in foundries. *p. 39.*

Chernogorov, P.V. - Chelyabinsk conference on the use of potentialities in the manufacture of machinery. p. 40.

Terekhov, A.M. - Book review. p. 41.

Decision of the Presidium of the All-Union Council of Scientific Technological Societies, dated February 21, 1963. p. 41.

Concerning the All-Union volunteer inspection of the carrying out of scientific research plans and the introduction of achievements in science and technology to the national economy. p. 42.

Levi, L.I., Get'man, A.A., Vlasova, T.M. - Gases in cast metals. p. 43.

Leonid Il'ich Fantalov; his 60th birthday. p. 47

Pavel Nikolaevich Bidulia, his 70th birthday. p. 48.

New books on founding. pp. 48, 3 of cover.

*METALLOVEDENIE I TERMICHESKAIA OBRABOTKA METALLOV [METALS AND HEAT TREATMENT OF METALS]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, no. 8, Aug. 1963.

Table of contents translated:

Our ideology is the most progressive. p. 1.

Gulinov, A.P., Ul'ianin, E.A. - Rare-earth metals in structural steel. p. 2.

Shteinberg, M.M., Mirmel'shtein, V.A., Kodes, E.S. - Temper brittleness of structural steel with lanthanum. p. 6.

Kriukovskii, IU.V., and others - Mechanical properties and the character of nonmetallic inclusions in alloyed structural steel with rare-earth metal additions. p. 11.

Kots, N.Y., Komissarov, A.L. - Using cerium for the inoculation of structural and stainless steel and cast iron. p. 16.

Kreshchanovskii, N.S., Nazarenko, V.R., Ryzhkova, G.A. - Effect of cerium on the mechanical properties of 16Kh1M1F steel. p. 23.

Svistunova, T.V., Estulin, G.V. - Fine structure of the KhN77TIU alloy containing rare-earth metals. p. 27.

Svitskii, E.M., and others - Properties of Kh18N12M2T stainless steel containing rare-earth metal oxides. p. 33.

Voronova, N.A., Mogilevtsev, O.A. - Using cerium for the inoculation of cast iron. p. 38.

Khudokormov, D.N., Komarov, O.S. - Characteristics of primary crystallization and the structure of cast iron inoculated with rare metals. *p. 43.*

Terekhova, V.F. - Rare-earth metal alloys. p. 47.

Polisadov, V.N. - Properties of 35GL steel with additions of rare-earth metals and boron. *p. 54.*

Bobkov, T.M., and others - Effect of additions of rare-earth metals and their oxides on the properties of certain stainless steels. p. 55.

Popov, V.I., Savitskii, E.M. - Chemical heterogeneity of structural and stainless steels treated with *rare-earth metals p. 59*

Ul'ianin, E.A. - White Russian S.S.R. Conference in Minsk on the use of rare metals. p. 62.

Klubnichkin, K.F. - Review of a book by E.M. Savitskii and others "Rare-earth metal alloys p. 64.

New books. p. 3 of cover.

No. 9, Sep. 1963.

Table of contents translated:

Geller, IU.A., Moiseev, V.F., Koltunov, A.A. - Heat conductivity of high-speed steels. p. 2.

Popandopulo, A.N. - Dilatometric investigation of secondary martensite transformation in high-speed cobalt steel. p. 8.

Zhemunskaia, L.B. - Structural changes in the zones of wear of cutting edges in high-speed steel. p. 14.

Snitkovskii, M.M., Egorov, N.V., Golomaziuk, I.A. - Increasing the resistance of R18 steel by thermomechanical treatment. p. 19.

Gulinov, A.P., Leshchinskaia, R.P. - Naphtalene-like fracture of high-speed steel p. 22

Achkasov, L.G., Shchapov, N.P. - Failure of low-carbon and manganese steels. p. 28.

Kudriavtsev, I.V., Rymynova, E.V. - Effect of work hardening on the fatigue resistance in 18KhNVA steel at high temperatures p. 33.

Lozinskii, M.G., Pertsovskii, N.Z. - Effect of temperature and the rate of tensioning on the kinetics and mechanism of deformation of iron-nickel alloys with 30% Fe. p. 37.

Mimasarian, A.A. - Residual stress relief in welded 1Kh18N12T steel pipe. p. 45.

Pogodin-Alekseev, G.I - Geometric factor and the effect of peening on the hardening of metals. p. 51.

Novikov, I.I., and others. - Mechanical properties in the solid-fluid state of the ML12 alloy containing RZM [rare-earth metals]. p. 53.

Baikin, V.M - Effect of zirconium on the grain size of magnesium alloys with 4.5% of Zn. p. 56.

Gusarskii, V.V., Kuzovlev, M.A. - Grain refinement in MA8 alloys. p. 57.

Likhnitskii, G.V., Sasskii, K.F. - Factors having an effect on the wear of babbitt bearings and mating steel parts. p. 59.

Bronnikov, L.N. - Heat treatment at the exhibition of new equipment in the Experimental Research Institute for the Machinery Industry. p. 60.

Readers' conference at the Minsk Tractor Plant. p. 62.

Railsee, V.B., Shilkova, T.S., Voskoboinikova, N.A. - Review of A.A. Iurgenson's book "Nitriding in the power machinery industry." p. 62.

New books. p. 63.

No. 10, Oct. 1963.

Table of contents translated:

Braun, M.P., and others - Chromium-manganese steel for large forgings. p. 1.

Radiukin, K.A., TSeitlin, V.Z. - Properties of vacuum-refined ShKh15 steel. p. 9.

Nazarenko, G.T. - Dependence of the contact fatigue strength of ShKh15 steel on phase transformations *in the surface layer. p. 12.*

Sazonova, A.A. - Combined isothermal treatment of low-alloy steel. p. 19.

Dashevskaia, G.I. - From the Exhibition of the Achievements of the National Economy of the U.S.S.R. p. 23.

Kudriavtsev, I.V., and others - Fatigue strength of shafts following nitriding and straightening. p. 32.

Ermaniuk, M.Z., Shpitova, L.P. - Mechanical properties of semifinished AMg-6 alloy products. p. 36.

Savchenko, N.V. - Low-melting metal coatings on copper. p. 37.

Grabovetskii, A.P. - Fatigue strength of electroplated steel. p. 39.

Liulicheva, N.N., Pisareva, N.V. - Heat treatment of coal-worked Kh18N9T steel. p. 41.

Ryss, A.G. - Depth of the zone affected by the oxygen cutting of 12KhMF steel alloy pipes. p. 42.

Kovaleva, E.A., Salli, I.V. - Brittleness of 1Kh21N5T chromium-nickel steel. p. 44.

Sokolov, K.N. - Fifth All-Union Scientific Technological Conference of Metallography and Heat Treatment Specialists. p. 46.

Results of All-Union Competitions for the D.K. Chernov and N.A. Minkevich prizes for 1963 awarded by the Scientific Technological Society for the Machinery Industry. p. 60.

Readings commemorating Chernov. p. 53.

Structure of impact-peened iron. p. 54.

Effect of tensile stress on martensite formation in low-alloy steel. p. 57.

Rauzin, IA.R. - Review of S.L. Rustem's book "Equipment and the design of heat-treatment plants." p. 60.

Novikov, D. - Inside reality of Soviet patents p 62
Book reviews p 64

"STALLURGIST" ["STALLURGIST"] Issued by Gosudarstvennyi nauchno-issledovatel'skii i proektnyi institut metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U S S R.] and others. Moscow, No 6, 1963

Table of contents translated

Cover (flat reinforcement) p 1
Belyaev, V. V. - The Nizhne-Tagil' plant is 30 years old p 3
Fedorchenko, A. V., Soldatkin, A. I., Zaporozhets, V. P. - Use of chalk lime for the intensification of the sintering process p 5
Khalyuk, V. I., and others. - Effect of the shape of a blast furnace working area on the distribution of the gas flow p 6
Ivanov, A. I., Lomova, A. V., Storozhik, D. A. - New design of the charge distributor p 9
Ivanov, V. N., and others. - Causes for the breakdown of air preheaters. p 11
Artyukhov, G. I. - Reduction of sulfur content in electric steel p 13.
Vasil'kin, V. V., Taratynov, V. P. - Technology of making stainless, selenium-bearing, free-cutting steel. p.15
Rovnik, B. A. - Slag removal during smelting p 17
Solomakha, N. K. - Optimum weight of the charge for open-hearth furnaces p 17.
Skvortsov, S. T. - Our experience in the repair of hearth bottoms p 18.
Chuiko, N. M., Rutkovskii, V. B. - Vacuum treatment of steel in the ladle with blowing by inert gases p 19.
Widespread introduction of continuous processes p 22
Komin, G. M., and others. - Increasing the diameter of steel rods for wire drawing. p. 24
Polushkin, V. P. - Efficient conditions of reduction on a 2500 wide-strip mill. p 26
Durability and the operation of iron mill rolls
Troshchenkov, N. A., Mirenskii, Iu. M. - Control of roll grooves by heating with gas burners p. 28
Sokolov, V. A., Novikov, A. N., Morozov, P. M. - Surfacing rolls with hard alloys. p 29
Mirenskii, M. L. - New method of making up sets of iron mill rolls p 30
Ershtanov, V. P. - Convex, back-up rolls for straightening machines. p. 31.
Increase the durability of iron mill rolls p 31.
Kristanov, A. F., Khalkov, L. L. - Redesign of electropneumatic distributers p. 32
Balabin, N., Romanov, N. - Men with a searching mind p. 34
Malki, V. - Man of creative work p. 36
Fedorov, A. - Wonder of the world p. 37.
Kachan, P. A., Kurgatov, V. V. - Valuable manual. p 38.

Vol 8, no.9, Sep 1963

Table of contents translated

Filippov, S. M. - For a further increase of labor productivity in ferrous metallurgy p.1
Cherrov, N. N., Tkach, I. T. - Analyzing the performance of blast furnace plants in the Dnieper Economic Region operating with a various degree of forced working p.4
Kuznetsov, M. I., Petrov, I. I., Soskov, A. L. - Improvement of blast furnace top fittings p. 9.
Pamiatnykh, Iu. L. - Making efforts to avoid losses of cast iron p.13
Trifonov, A. G., Snegirev, Iu. B., Val'piter, E. V. - Thermal conditions in the leading furnace of the Magnitogorsk Metallurgical Combine. p. 16.
Each worker has his own potentialities
Voloshina, N. M., Bondar', V. I. - Yenakiyevo metallurgical plant p 21.
Bardash, A., Inokent'ev, Zh. - Kommunarsk metallurgical plant. p 23.
Varnavskii, I. N., and others. - Increasing the output and improving the durability of converter linings. p. 26.
Dolmatov, F., Komanovskii, A. - Slabbing mill operations in the Zaporozhstal' plant p 28
Romanov, A. - Increasing labor productivity in the production of stainless steel and alloys p. 30.
Protasov, N. F., and others. - Rolling SVP-17 and 27 shapes with a greater incline of the walls. p 31.
Ilukovich, B. M. - Rolling and sizing of special angle bars no.18-187 A. p. 34.
Murdasov, A. V., Pasechnik, V. V. - Efficient performance of abrasive wheels for the cleaning of high-alloy steel. p. 35.
Andreiuk, L. V., Igon'kin, M. I. - Device for the straightening of roll warpage on blooming mills. p. 36.
Milovatskii, N. - For communist labor. p. 37
Kravets, P., Vinnichenko, I. - Disseminate the practices of the progressives among the general mass of workers. p. 39.

MOSCOW. INSTITUT GORNOGO DELA. Nauchnye soobshcheniia [INSTITUTE OF MINING. Scientific Reports] Vol 20, 1963

Table of contents translated

Chernegov, Iu. A. - Using standard and special continuous equipment in working benches of various heights p 3.
Aleksandrov, B. A. - Study of the stability of the sides of benches during the operation of mine haulage equipment in open-pit mines p 11
Chzhu Zhui-gen [Chu Jui-feng]. - Using the modeling method to study the effect of external loads on the stability of the sides of benches p 17
Grafova, A. IA. - Effect of properties of rocks in the roof on the redistribution of rock pressure in a massif enclosing a coal seam p 24.
Ivanov, K. I., Betaneli, K. P. - Using the seismic method under natural conditions to study the stress state of coal pillars p 29.
Veskov, M. I. - Relation between the shape of pillars and their bearing capacity p 41
Popova, E. G. - Rock displacement and loads on supports in working a seam in Moshchnyi Mine (Kuznetsk Basin) by means of inclined layers with hydraulic filling p 47
Strygin, B. I. - Determination of the bearing capacity of a slot-and-wedge shell and plug of anchor bolting p 49
Kuntysh, M. F. - Analysis of experimental methodology for obtaining Mohr limiting envelope curves p. 55.
Vasil'ev, P. V. - Using geological observations in determining physicomechanical properties of rocks p. 67
D'iakonov, D. N. - Basic parameters of a stope for the AKD unit. p. 74.
Churilov, A. A. - Determination of the expediency of joint mining of two steep seams. p. 81
Lir, Iu. S., Marchenko, P. K. - Calculated prices for coal are the most important factors in commercial accounting at enterprises of the coal industry. p. 89.
Terpogosov, Z. A. - Construction of the junctions of recovery and haulage-and-loading workings at the bottoms of blocks. p. 93.
Baron, L. I., Glatman, L. B. - Specific weight of the product of friction in cutting rocks. p. 100.
Kontashin, Iu. G., Vselov, G. M. - Using high-speed impulse jets to cut rocks. p. 106.
Veremiev, V. M., Protasov, Iu. I. - Study of the frequency and temperature relationship of the dielectric constant of minerals and rocks p. 118.
Davydov, V. V., and others - Use of an ultrasonic viscosimeter to determine the viscosity of tar solutions used to chemically reinforce rocks. p. 122.
Goncharevich, I. F. - Resistance coefficients of vibrating conveyors. p. 126.
Korshunov, A. P. - X-ray properties of finely dispersed hydraulic mixtures of some ores. p. 129.
Petrenko, B. A. - Ignition capacity of an electric discharge in sparkproof a.c. and d.c. networks. p. 136.
Solnyshkin, V. I., Tomov, T. G. - Electron microscope study of particles in aqueous suspensions of ferrosilicon and separation of tin-bearing ores in them. p. 145.
List of articles published in the "Scientific Reports of the A. A. Skochinskii Institute of Mining." p. 149.

MOSCOW. INSTITUT NEFTEKHIMICHESKOI I GAZOVOI PROMYSHLENNOSTI. Trudy [INSTITUTE OF THE PETROCHEMICAL AND GAS INDUSTRY. Transactions]. No. 41, 1963. Promyslovaia geofizika [Field geophysics].

Table of contents translated:

Koposov, I. A. - Results of studying the electrical resistivity and self-polarization potentials of carbonate rocks of the karst complex of the Karabi-Yayly Mountain (Crimean Mountains). p. 3.
Larionov, V. V. - Study of the radioactivity of karstic limestones of the Karabi-Yayly Mountain under natural conditions p. 13.
Serikov, Iu. I. - Natural radioactivity of the Mesozoic sediments of the Terek-Kuma Plain. p. 21.
Serikov, Iu. I. - Radioactivity of clay rocks. p. 34.
Serikov, Iu. I. - Role of potassium in the radioactivity of sedimentary rocks of the Terek-Kuma Plain p. 47.
Kozhevnikov, D. A. - Calculation of the neutron characteristics of rocks. p. 54.
Kozhevnikov, D. A., Khavkin, V. S., Shteinbrekher, D. P. - Using the age approach to study regularities in the distribution of neutrons in rocks. p. 76.
Miroshnichenko, E. M. - Effect of the pH of drilling fluids on the value of diffusion-adsorption potentials. p. 84.
Miroshnichenko, E. M. - Results of laboratory determination of the pH of Bavly oils. p. 88.
Dakhnov, V. N. - Using the time factor in interpreting the results of studying wells by the resistivity method. p. 93.
Dakhnov, V. N. - Determination of the specific resistivity of formation waters of clay reservoirs and study of their surface conductivity. p. 99.
Latyshova, M. G. - Using large electrical [illegible] study reservoirs in the water-oil contact [illegible] p. 105.
Afanasian, A. N., Zakutskii, A. M. - Using large electric probes to study carbonate sediments of [illegible] grad Province. p. 118.
Neiman, E. A. - Graphs for three-electrode [illegible] probes and layers of limited thickness [illegible]
Leont'ev, E. I. - Possibility of determination [illegible] lity of rocks from data obtained by the [illegible] potentials of self-polarization. p. 150.
Neiman, E. A. - Device for converting a [illegible] into a curve of self-polarization potentials [illegible]
Sukisov, A. L., Neiman, E. A. - Layout of [illegible] electrode shielded probe for a three-electrode [illegible] with a grounded control of the current of [illegible] electrodes. p. 178.
Chan Si [Ch'ang Hsi]. - Determination of the coefficient of porosity of reservoir rocks from data obtained by the neutron-gamma method. p. 191.
Akul'shin, K. I. - Study of the activity of rocks [illegible] by the action of fast neutrons. p. 199.
Vendel'shtein, B. Iu., Kulikova, N. G., Sidorova, N. A. - Defining oil-bearing reservoirs in terrigenous sediments of the Lower and Middle Carboniferous of areas under exploration in Orenburg Province. p. 209.
Lebedev, A. P. - Determining the diameter of [illegible] in studying a carbonate section. p. 220.
Dakhnov, V. N., Shapiro, D. A. - Logging on the [illegible] in inclined holes. p. 230.
Kulikova, N. G. - Determining the specific [illegible] of carbonate reservoirs. p. 242.
Serikov, Iu. I. - Effect of the mineral composition [illegible] the clay on the relationship between the [illegible] radioactivity of sedimentary rocks and the [illegible] content p. 247.
Dobrynin, V. M. - Change in the physical properties of sandstones under the action of pressure [illegible] all sides. p. 253.

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT CHERNOI METALLURGII. Sbornik trudov [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF FERROUS METALLURGY. Papers] No. 30, 1963. Avtomatizatsiia tekhnologicheskikh protsessov v chernoi metallurgii; puti ikh [illegible] skhemy avtomatizatsii [Automation of technological processes in ferrous metallurgy; control [illegible] automatic control circuits].

Table of contents translated

Preface. p. 5.
Svede-Shvets, N. I., and others. - Thermoelectric characteristics of sintered alloys based on [illegible] and molybdenum. p 7.
Svede-Shvets, N. I., Bondarev, N. A., Shishkov, V. N. - Devices for measuring the temperature of [illegible] during drawing. p. 17
Balychev, O. N., and others. - Command and executive device for automatic control of [illegible] distributor depending on the gas temperature above the charge hole circumference of a blast furnace [illegible]
Balychev, O. N., Zhilko, E. I., Shibaev, I. P. - Device for an automatic selection of an optimum permissible deviation of the temperature of charge hole circumference from its mean temperature p. 28.
Volkov, A. A. - Device for continuous evaluation of sinter quality in a sintering machine p. 13
Kunitskii, N. P., Ivanov, G. M. - Transient processes in reversing-mill motors with ionic excitation [illegible] generators. p. 39.
Kunitskii, N. P., Ivanov, G. M. - Effect of various current patterns on the heating of motors of accessory mechanisms of reversing rolling mills p. 67.
Zhilko, E. I., Mitropol'skii, Iu. I. - Some problems in the design of arithmetic elements for control computers. p. 72.
Zhilko, E. I., Mitropol'skii, Iu. I. - High-reliability logical circuits equipped with ferrite transistor cells. p. 82.
Bogdanov, A. V., Zhilko, E. I., Fedoseev, S. V. - Operating magnetic memory unit (MOZU) for a special-purpose electronic computer. p 94
Kunitskii, N. P., Ivanov, G. M. - Analysis of various operating conditions of the electric drive for the roll tables of the KMK blooming mill. p 104
Kalinskii, D. N., Zhilko, E. I., Galiatin, V. M. - Determining the static current component of a rolling-mill motor. p. 108.
Kalinskii, D. N., Ivanov, G. M. - Using magnetic amplifiers in excitation control circuits of blooming-mill motors. p. 116.
Kalinskii, D. N., Kurochkin, I. F. - Induction converter of a shaft-turn angle to a discrete value p. 123.
Slepushkin, E. I., and others. - Experimental investigation of magnetoelastic dynamometers used in measuring metal pressure on rolling-mill rolls. p. 129.
Zaitsev, M. L., and others. - Design of equal-arm measuring bridges with resistance converters. p. 136.

Shchitova, V.M., Slepushkin, E I - Using structural networks for determining transfer functions taking nonzero initial conditions into consideration. p 145.

NEFTEPERERABOTKA I NEFTEKHIMIIA [PETROLEUM REFINING AND PETROLEUM CHEMISTRY] Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U S S.R , and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry] Moscow, no 1, 1963

Table of contents translated

Katsnel'son, M.M - Problems of petroleum refining for 1963. p.3.
Nikitin, B.V., Rudenko, N.D. - Industrial practice of oil production from the Korobkovskaya petroleum. p 5
Bugaichuk, A M. - Mastering and improving techniques used in the production of formaldehyde condensation additives. p.9
Zavidov, V.I. - Thermal cracking of extracts. p 14
Igonin, P.G., and others. - Oxidation of naphthenic hydrocarbons. p 17.
Karapaev, B I , Malkina, I I - Determining the content of "neutralized black contact" in waste waters. p.19.
Levinbuk, I.Kh - Measuring the consumption of petroleum refinery waste waters. p.22.
Aliev, D.A. - Device for determining the water content in petroleum products. p.25
Finashin, V.N. - Effect of properties of asphaltenes and maltenes on thermal characteristics of compounded bitumens. p.27
Shebarshina, N N. - Transportation factor in the distribution of petroleum refining enterprises p.30.
Lapitskaia, O.I., Zubkova, K.A. - Experience in acetylene production by high-temperature hydrocarbon pyrolysis. p.34.
Ustukin, I.P., Shleinikov, V.M - Solubility of carbonic acid in some organic solvents at low temperatures p.39.
Delabre, P. - Production costs of petroleum refining in the United States p.44.

NEFTEPROMYSLOVOE DELO [PETROLEUM PRODUCTION]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and TSentral'nyi nauchno-issledovatel'skii institut informatsii i tekhniko-ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S R., and the Central Scientific Research Institute of Information and Technological-Economic Studies on the Petroleum and Gas Industry] Moscow, no 6, 1963

Table of contents translated

Akoplan, S.O., and others. - Development of the layer D1 in the Shkapovo oil field. p.3
Khalilov, E.M., Usupov, R M. - First millionaire-oil well in Bashkiria. p 8.
Plyushch, A.M. - Pressure gradients in repetitive hydraulic fracturing of strata. p.11.
Maksimov, V.P. - Performance of sinking rotary pumps operating on oil emulsion. p 12.
Korablinov, N.S , Suchkov, B M., Tronov, V.P. - Paraffin troubles and the efficiency of paraffin bits. p.15
Krichke, V.O. - Apparatus for insulation resistance control in sinking electric pumping installations. p.19.
Marin, A.R - Automation of units used in edge water flooding of fields of the Oil Field Administration of the October Petroleum Trust. p.24
Zhelonkin, A.I. - New design of the valve for the PD-ZM sampler used for taking and transferring formation-water samples. p.27.
Grebenuk, L.L - Injecting viscous oil into the well bottom area. p.29.
Tumanov, G.A., Fishman, M.P. - Start and feed of the ignition system of the ZIL-120 motor of the APPR hoist and flush unit from an a.c. network. p.30.
Bleakley, N.B. - Mechanized petroleum production in the Sleepy Hollow field. p.32.
Advantages in using flood water enriched by carbon dioxide. p.33.
Calberg, B.L. - Preparing hot water for flooding operations. p 35.
Essary, R.L. - Hydraulic fracturing of strata in fields of the southeastern part of New Mexico. p 37.

NEFTIANIK [THE PETROLEUM WORKER] Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol 8, no 2, Feb. 1963

Table of contents translated:

Safeguarding peace and labor. p.1.
Bozilan, S.A. - Workdays of an offshore drilling crew. p.3.
Prokop'ev, O.P , Nechaev, A.G. - The petroleum pipeline administration is an enterprise of communist labor p.5
Manokhin, IU V. - Beacon of production. p 8.
Batyrev, R - Contribution of efficiency promoters to the seven-year plan fund p.9.
Grigorian, E.S. - New labor upsurge. p.10
Sirotin, A I - Organize production on a new basis through the use of new equipment p 11.
Rozvadovskaia, I.N., Khoroshilova, L.D. - Pay greater attention to protective lubricants p 13.
Pleskachevskii, M.G. - Man is ennobled by labor (continuation). p.14.
Nitetskii, B.S. - We are training drillers p.16.
Shilov, V D - Mutual leadership and mutual help. p.18
Burkin, E.N - New forms of voluntary assistance to the problems of industrial safety p.20.
Laletin, A V - A great effort is being made toward technical progress. p.21.
Baraskaia, L - Volunteer workers are striving for technical progress p 23.
Sedunov, B.K. - In the Central Committee of the trade union p.25
Gun, R B., Birlukov, V.V. - New cascade system for controlling the performance of the vacuum furnace. p.26
Gonchariuk, V A. - The bonds between science and industry are being strengthened p 28.
Sapronov, N. - We are fully utilizing our reserves. p.29.
Shapovalov, I.F. - Reduction of discharge and storage losses of petroleum products. p.29.
Novikov, I.K., Semin, IU.I. - Combat losses. p.30.
Tikov, V I. - Consultation p 31.
Smirenskii, V.A - Example of an honorable service to people. p.32.
Bibliography. p.33

*OGNEUPORY [REFRACTORIES]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 28, no. 9, 1963.

Table of contents translated.

Bron, V.A., Semavina, K.P. - Chrome-alumina concrete and block products. p.385.
Potemkin, P S., and others - Firing Donkov dolomites in rotary kilns. p.389.
Rabinovich, M.A. - Increasing the strength of lightweight products. p.392.
Tol'skii, A.A., Masiukov, N.T., Gordienko, A.K. - Using grog-graphite tuyeres in the hearth bottoms of bessemer converters. p.394.
Shakhlin, V.I., Tarasov, A.F., Salmanov, G.D. - Testing refractory concrete blocks in soaking pit walls. p.397.
Kudrina, A.P., Krivchenko, IU.S., Gul'ev, G.F. - Effect of physicochemical indices of basic refractories on the stability of acid converter linings. p.400
Galemin, I M., Gorokh, A.V. - Mechanism of the disintegration of the carbon lining in blast furnace hearths and hearth bottoms. p.407.
Bluvshtein, M.N., Borichova, V.N. - Zonal changes in the properties of magnesite bricks after service in the crown of open hearth furnaces. p.413.
Shishkin, K.N., Pakhmurs, N.G. - Investigating the classification of ground grog in an air flow. p.418.
Vasiuk, A.S. - Modernization of vacuum belt presses. p.422.
Abumov, V.I., Zalesskii, E.M. - Pressing the thick refractories. p.424
Shvetsova, K.A., - Improving the operation of laboratory kryptol kilns. p.426.
Excavating machine operators. p.426.
Into the account of the Southern Urals billion. p.427.
Vinogradov, A.V. - Results of the public inspection of the introduction of new equipment at the Podol'sk refractory materials plant. p.427.
Rublevskii, I.P. - At a conference of young research workers. p.428.
Glebov, S.V. - Abstracts. p.428.
Dyban', IU.P. - Abstract. p.430.
Goncharenko, A.N. - Abstract. p.431.
Bibliography. p.431.

* POROSHKOVAIA METALLURGIIA [POWDER METALLURGY]. Organ of Institut metallokeramiki i spetsial'nykh splavov AN USSR [Institute of Ceramic Metals and Special Alloys of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 3, no. 4(16), July-Aug. 1963.

Table of contents translated:

Fialkov, A.S. - Mikhail IUl'evich Bal'shin. p.3.
Poliakov, L.N., Malik, G.N. - Investigating the sintering of metals. p.6.
Eremenko, V.N., Nizhenko, V.I. - Role of surface phenomena in powder metallurgy processes. p.17.
Bal'shin, M.IU. - Contact section of powder compacts and sintered products and the significance of their mechanical properties in the contact section area. p.29.
Efiutin, V.P., and others. - Investigating the effect of dispersed aluminum oxide inclusions on certain characteristics of sintered nickel. p.33.
Kuz'ma, IU.B , and others. - X-ray investigation of the system tungsten - rhenium - carbon p.40.
Furko, V.F., Ulikovskii, S.I. - Preparing zirconium boride. p.49
Mikriukov, V.E., Pozdniak, N.Z. - Investigating the heat conductivity, electrical resistance, and mechanical properties of ceramic metal iron-copper alloy. Report No.2. p.54.
Shibaiev, B.F. - Dependence of porosity size and fineness of filtration of ceramic metal filters on the fractional composition of spherical powders. p.61.
Platov, A.B - Dependence of the hardness of titanium-tungsten-cobalt hard alloys on temperature p.67.
Gel'd, P.V., Liubimov, V.D. - Activation energy of Nb and C mobility in metallic niobium and its carbides. p.70
Grodko, V.A., and others. - Selection of efficient cathodic materials for a thermoelectron converter. p.79.
Borok, B.A , and others. - Obtaining structural steels by powder metallurgy and the investigation of their properties. p.89.
Radomyael'skii, I.D., Serdiuk, G.G - Equipment of 5 m³ output per hour for the manufacture of protective atmospheres from ammonia. p.97.
Zozulia, B.I., Morozov, V.N., Semenov, IU.N. - Ceramic metal filters for the automatic analysis of pulp in the production of alumina p.101.
Kazakov, N.F. - Diffusion welding of molybdenum disilicide heating elements. p.105.
Aizenkol'b, F. - Surface treatment of sintered steel. p.111.

PRIKLADNAIA GEOFIZIKA [APPLIED GEOPHYSICS]. Issued by Nauchno-issledovatel'skii institut geofizicheskikh metodov razvedki [Scientific Research Institute of Geophysical Prospecting Methods], Moscow, no.37, 1963.

Table of contents translated.

Riazanova, E.V. - General equation of a hodograph of short reflected waves. p.3.
Petrov, L.V. - Combination grouping of receivers with an optimum covering of the bases. p.14.
Lukashin, IU.P. - Estimation of the effect of accidental time shifts between seismic signals on the effectiveness of grouping. p.40.
Uryson, V.O. - Hodograph of reflected waves for an arbitrary section. p.44.
Lukashin, IU.P. - Some possibilities of using correlated reception in the reflected wave method. p.56.
Averbukh, A.G. - Accuracy of determining the depth of penetration of a ray with Chibisov's formula. p.64.
Grodzhenskii, V.A., Vishniakov, E.P., Malovitskii, IA.P. - Apparatus for correlated recording of seismic vibrations and results of its use. p.67.
Troitskaia, V.A., Shchepetnov, R.V. - Relationship between cycles of solar activity and the intensity and frequency of inducing brief variations in the earth's electromagnetic field. p.85.
Uryson, V.O. - Means of interpreting electric sounding. p.102.
Dubtsev, T.B., Pishchalov, S.S. - Deep-seated structure of the Mizia Platform and adjacent areas from geological and geophysical data. p.109.
Aizenberg, M.A. - Geological nature of magnetically disturbing masses in the eastern Volga-Ural oil-bearing region. p.129.
Tarakanov, IU.A. - Statistical estimate of the accuracy of averaging the disturbance value of gravity for a finite time cutoff. p.135.
Stepanov, P.P. - Use of topographic isostatic reductions. p.147.
Dorgachev, N.I., Malovichko, A.K. - Effect of cartographic errors on the accuracy of determining corrections for relief in gravity observations. p.154.
Frolov, A.I , Stroev, P.A. - Practice of determining gravity at sea with dampened gravimeters. p.160.
Grechukhin, V.V. - Efficient combination of geophysical methods for studying coal prospecting holes. p.169.
Ab, E.A., and others. - Apparatus for luminescence logging of oil wells from drilling fluid coming out. p.183.

RAZVEDKA I OKHRANA NEDR [PROSPECTING AND CONSERVATION OF MINERAL RESOURCES]. Organ of Gosudarstvennyi geologicheskii komitet SSSR and TsK Profsoiuza rabochikh geologorazvedochnykh rabot [State Geological Committee of the U.S.S.R. and the Central Committee of the Trade Union of Workers Employed in Geological Prospecting]. Moscow, vol. 29, no. 9, Sep. 1963.

Table of contents translated:

Kotlar, V.N. - Recent trends in the study of endogenic deposits. p.1.
Perets, V.A., Frolov, IU.S. - Automation of calculating operations in determining the reserves of mineral raw materials. p.5.
Boldyrev, G.P. - Technological study and estimation of iron ore deposits in prospecting. p.10.
Aizenshtadt, G.E.-A., and others - More on the problem of drilling extra-deep holes in the Caspian Lowland. p.17.

Kizil'shtein, L.IA., Stumbur, N.N. - Correlation method of calculating the reserves of germanium in coal. p.20.

Blinov, G.A., Guts, A.S. - Technical and economic results of diamond drilling in the Northwestern Geological Administration. p.24.

Surinov, B.V., Krokhk, L.S., Teslia, A.G. - New gear of lift-gar-lift sampling of water-bearing horizons. p.27.

Grigor'ev, M.A., Dantlochkina, L.E. - Use of black-and-white photograph, in geological documentation of underground mine workings. p.32.

Ikhar', N.S. - Results of work with electric shot-hole prospecting in the Southern Urals. p.36.

Ostroumov, G.V. - Using the RAP-2M scintillation apparatus ('Neitron') in performing a neutron-absorption analysis of boron ores. p.40.

Bogomolov, G.P., Nudner, V.A. - Thermal waters of the West Siberian artesian basin and their practical use. p.43.

Poliakinskii, G.G. - Experimental work on choosing an efficient method of sampling. p.50.

Chelpanov, T.Ch. - Use of scale nomograms in preparing graphs. p.52.

Nedachin, G.I., and others - Practice of using double-column vacuum pipes. p.54.

Shimanovskii, L.A. - Practice of using the vector method of representing water analyses in hydrogeology. p.55.

Krivenko, E.S., Smirnov, A.I. - Fourth Plenum of the Central Committee of the Trade Union of Prospecting Workers. p.57.

Dunlap, L.B. - Searching for blind ore bodies in the U.S.A. p.62.

REFERATIVNYI ZHURNAL: GORNOE DELO [JOURNAL OF ABSTRACTS MINING]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.10, Oct. 1963.

REFERATIVNYI ZHURNAL: METALLURGIIA [JOURNAL OF ABSTRACTS METALLURGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.10, Oct. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i [illegible]

Journal]. Moscow, vol.6, no.3, 1963.

Table of contents translated:

Kostarev, I.I. - Regularities in the distribution of coal types in the Bulanash-Yelkina coal region. p.3

TSerenshchikov, P.T., Kmitovenko, A.T. - Determination of efficient spacing for carrying off rocks which have been sorted from coal in coal pits. p.13.

Golomolzin, V.I. - Capacity and life of mines in the Kursk Magnetic Anomaly. p.17.

Baikomurov, O.A., Ibraev, Sh.I., Vinokurov, L.V. - Effect of the construction of the working face on the seismic action of a blast. p.22.

Martynov, Yu.I. - Stability of fractured rocks p.27.

Grishko, N.T., Savost'lanov, A.V. - Study of the effect of the depth of a working on the distribution of stresses around a drift, given various means of supporting it. p.31.

Krotov, G.A. - Use of the results of a sonar survey to determine the losses in dredging placer deposits p.39.

Protsai, F.I., Ogienko, A.D. - Improving the use of turnover funds in converting to hydraulic mining. p.47

Brichkin, A.V., and others. - Experimental studies of the parameters of the stream of a jet-piercing burner. p.52.

Kucherlavyi, F.I. - Nature of the breaking down of a rock massif by the action of a cylindrical field of stresses in blasting. p.59.

Bulynko, M.G., Mogilevskii, I.I. - Comparative analysis of a ring and roller press for mechanical dehydration of wet peat. p.64

Vitort, G.K., Zelenskii, N.M., Mironiuk, A.F. - Results of tests of rigs for thermal breaking of rocks. p.70

Konkin, B.N., Vyshinskii, Iu.M. - Use of electric mine locomotives for pulling loaded cars up an incline. p.74.

Fishchuk, G.S. - Study of the resistance to movement and the speed of the suspension of particles in an ascending flow. p.80.

Zhukov, L.I. - Torque caused by the stretching of a double-twisted wire mine cable. p.84.

Bauman, V.G., Ivanov, O.V., Komarov, B.I. - Laboratory study of an apparatus for longitudinal capacitive compensation of voltage losses in an electric power distribution network in a mine. p.93.

Bagautinov, G.A. - Methodology of calculating the static forces of the bucket mechanism of multi-bucket dredges. p.101.

Zenkin, N.I., Kirpichnikov, V.M. - Study of electromagnetic transient processes in asynchronous two-phase symmetric miniature machines. p.105.

Borokhovich, A.I - Relation between the time of wearing of the working wheels of pumps with identical rates of speed and the number and speed of rotation of the shaft. p.111

Galimziano-, F.G. - Study of the aerodynamic resistance of the intake housings of fans. p.114

Zhuravlev, P.A., Zakharevich, A.F. - Dynamic stresses in hoisting cables p.121.

Stoliarchuk, V.F. - Dynamics of a mine hoist consisting of three components connected by flexible weighted rods p.129.

Zviagin, V.S - Some problems in increasing the efficiency and longevity of sand pumps. p.138

Murzin, V.A., TSeitlin, Iu.A., IUshin, V.V. - Experimental study of the requirements of mine sections for compressed air p.146.

Beliaev, M.V., Gorshkov, A.F - Mathematical model of a magnetic amplifier. p.150.

Kozin, V.Z. - Impulse integrator with a wide range for changing the parameter of the opening p.155

Trop, A.E., Shkol'nik, V.M - Analysis of some methods for balancing the input bridges of tensiometer amplifiers on the carrier frequency. p.163.

Diomidov, A.P., Melikh, V.I. - Dynamic analysis of an oscillating screen in an inclined plane. p.173

Porshnev, V.M. - Economic expediency of the flotation of middlings at Kuznetsk Basin coal preparation plants p.180.

Belash, F.N., Koval'chuk, Kh.U. - Effect of the density of the iron-ore pulp, in mixing it with reagents, on the flotation indices. p.184.

Arashkevich, V.M., Belov, M.N. - Flotation of oxidized zinc minerals. p.190

Vol.6, no.8, 1963.

Table of contents translated

Rodionov, G.V., Krasnova, V.M - Mechanized rock loading in pits. p.3

Sul'nia, V.G. - Study of a bucket loading part operating on a slope. p.9.

Polezhaev, P.P. - Using self-propelled VS-1 cars in drifting. p.16.

Riumin, I.F - Study of the performance of loaders with raking claws under conditions of upraises. p.27.

Shakhmeister, L.G., Evnevich, A.V - Basic principles of the parametric series and model of underground apron conveyors. p.34.

Mukhopad, N.D - Effect of irregularity in the load of the bed of a block-chain conveyor on the propagation velocity of an elastic wave in the pulling part p.42

Ovcharov, B.Z. - Selection of efficient parameters for the cross section of KLTs-1P conveyors. p.45

Mikhailov, IU.I. - Design of a double-drum drive for belt conveyors. p.54.

Bondarev, V.S. - Designing suspended, hinged, and flexible roller supports. p.61.

Grigor'ev, A.M., Preobrazhenskii, P.A. - Determining the axial speed of a mass point in a vertical spiral conveyor. p.69.

Druzhinin, V.I., Matantsev, V.I. - Results of experimental studies of a bending conveyor. p.74.

Shilov, P.M., Ogarkov, E.F. - Pipeline hydraulic conveying of minerals in containers. p.81.

Konkin, B.N., Vyshinskii, IU.M. - Braking force produced by 14KR-1 electric locomotives in potassium mines of the upper Kama deposit. p.88.

Popov, M.N. - Elements in the theory of the operation of a spring-mounted hydraulic shock-absorbing apparatus in the capacity of a shock absorber for the automatic coupling of a mine car. p.90.

Kormil'tsev, V.A., Sorokin, L.A. - Analytical method of determining the basic parameters of inclined skip hoists for strip mining p.94

Pochtovenko, IU.E. - Some problems in the theory of multilayer winding of ropes onto mine hoist drums p.102.

Stoliarchuk, V.F., Golovatyi, M.N. - Acceleration dynamics of a mine hoist with a weak rope. p.111.

Shabanov-Kushnarenko, IU.P., Shmatkov, N.A. - Distribution of forces among the ropes of a multi-rope hoist in fastening them jointly to the vehicles. p.120.

Vakhrameev, I.I., Dobrodeev, S.A., IAkovlev, B.T. - Free horizontal vibrations of tower headframes with bearing walls in the shape of a rectangle or a circle in a plane p.129.

Chizh, A.A. - Integrodifferential equations of the fluctuations of a mine rope with varying length. p.134.

Markman, N.E. - Analytical determination of the calculated geometric parameters of tangential wire strands. p.140.

Glushko, M.F. - Refined formula for calculating the bending stresses in round-strand steel hoisting ropes. p.145.

Goncharenko, N.K., Vetrov, A.P. - Relationship between the conditions for using ropes and the selection of the optimum stretching force. p.149.

TSerenshchikov, P.T. - Determination of efficient parameters for the technological layouts of the operation of wheeled scrapers. p.164.

Shukailo, V.F. - Determining the capacity of electric drives for scraper conveyors of shuttle-action plow apparatus. p.161.

Faddeev, B.V., IAkovenko, B.V., Volotkovskii, V.S. - Electric drive systems of powerful belt conveyors. p.167.

Ilukhin, A.I., Artemov, A.I - Design of a metal rheostat for a two-motor drive of a hoist p.174

Kaminskii, D.M., and others. - Use of germanium rectifiers in underground traction substations p.180.

Trop, A.E., Zhukov, L.I. - Transportation problems at mining enterprises. p.183.

RU [illegible]

Moscow, vol.4, no.3, 1961.

Table of contents translated:

Kharitonov, M.F. - Distribution of temperature with depth in the Tyumenyany oil region. p.3.

Letiev, B.K., Smirnova, M.N. - Studying the Kimmeridgian horizon of the Stavropol Plateau; geotectonic conditions, lithofacies, and oil and gas potentials p.9.

Vezirova, R.Kh. - Programming the development of the Supra-Kirmaki sand stratum of the Balakhany-Sabunchi-Ramany oil field. p.13.

Khalifazade, Ch.M - Adsorption of chrysoidine by minerals and its significance in studying oil-bearing terrigenous sediments. p.17.

Aksel'rod, S.M. - Scale for induction logging curves p.23.

Ibatulov, K.A. - Pumping clay muds with centrifugal pumps. p.27.

Voitunov, L.N., TSekhmeistriuk, A.K - Possibility of using clay from the Tertiary sediments of the Malyy Orgochor anticline for making clay muds p.33.

Mirzoian, A.A., Makhmudov, M.N. - Determination of the completeness of displacement in consecutive movement of two immiscible viscoplastic fluids in a circular cylindrical pipe. p.37.

Mamedov, G.A. - Experimental study of oil recovery in fluid flow across the boundary line of a two-layer formation. p.43.

Pokrovskii, K.V., Danilov, A.S. - Changes in the gas factor of gas-condensate wells. p.47.

Aleksandrov, I.A., Skoblo, A.I. - Choosing the amount of fluid entrainment between plates in rectification columns. p.53.

Basyrova, Z.V., Klimenok, B.V. - Structure of a complex formed by the interaction of diesel fuel and carbamide aqueous solution. p.61.

Asaturian, A.Sh., Tonkoshkurov, B.A., Cherniki, V.I. - Interaction of heat hydrodynamic flow in a flow having varying viscosity. p.67.

Zakirov, G.Z., IAblonskii, V.S. - Some problems in the theory of the movement of separators in consecutive transportation of petroleum products p.75.

Orudzhaliev, E.A. - Effect of compressibility on the coefficient of hydrodynamic resistance and design equations for gas pipelines. p.81.

Abdurashitov, S.A., Abdulvagabov, A.I. - Relationship between the coefficient of hydraulic resistance and the Reynolds parameter during flow. p.91.

Gadzhaliboili, D.A., Guseinov, F.Sh. - Calculating clamp joints. p.99.

Khachikian, S.V. - Mechanical shunt. p.103.

Kudriashov, L.I., Golovin, V.M. - Stability of the laminar flow of a viscous dropping liquid in a vertical cylindrical pipes. p.107.

Zlabiov, R.P., Kovalenko, G.G. - Wireless remote control in oil fields. p.113.

Tishchenko, V.E. - Limiting the effect of anomalies on geophysical prospecting in western Siberia. p.119.

Egorov, V.I., Tikhomirov, A.A. - About the book "Planning oil production." p.125.

New petroleum deposits in China. p.124.

Brief news. pp.22, 60, 74, 80, 98, 118.

SHAKHTNOE STROITEL'STVO [MINE CONSTRUCTION]. Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR and Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR [State Committee for Construction in the U.S.S.R. and the State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol.7, no.7, July 1963.

Table of contents translated:

Melikseiov, S.S. -Immediate problems in the construction of deep mines in the Donets Basin. p.1

Zatesov, O.A. - Theoretical principles of the processes of the interaction of the hoisting vehicle and the reinforcement of mine shafts. p.5.

Kalinina, M.D., Semenov, I.A., Polinkov, V.F. Use of nonsheathed explosives in combination with water curtains in a mine where there is a gas and coal dust hazard. p.9.

Zapara, S.A., Panov, V.A., Khrapach, V.G. - Truck transportation in building Krivoy Rog Basin pits. p.11.

Ryzhenkov, V.I. - Laying of permanent haulageways in sections of crosscuts of galleries. p.13.

Bakholdin, B.V. - Formation of ice walls by two rows of freezing columns. p.14.

Es'kov, A.S. - Potentials for increasing the speed of sinking shafts from the top down. p.16.

Gut, A.M. - Assembling a mine headframe at the side of a shaft and then moving it into place. p. 19
Rybakov, IU.IU. - Making the unloading chamber in sinking a skip shaft at "Kapital'naya" No 40 Mine p. 21.
Shtefan, I.D., Krivoshei, I.A. - Sinking inclined shafts in the Krivoy Rog Basin. p. 23
Makovei, A.G. - Automatic control of the steaming regime for reinforced concrete products p. 26
Svirskii, IU.I. - Driving the Lyubertsy Station ventilation tunnel, derated by a PShch-3.7 shield. p. 28
Belash, A.S., Kovalev, A.F., Linnik, G.F. - Using bucket loaders in sinking p.30.
Kobyzev, S.S., Kolina, M.G. - Using the "Kraider-man" loader in sinking an inclined shaft p.31.
Byderovskii, S.I., Stupel', R.O. - New mining grader. p.31.
Auxiliary committee for the magazine "Shakhtnoe Stroitel'stvo" in Donetsk. p. 32.
Petrovskii, N.M., and others - Concerning P.N. Panukov's book "Engineering geology" p. 32.

Vol. 7, no. 10, Oct. 1963.
Table of contents translated

Improving mining engineering operations is a task which mine builders can not put off. p. 1.
Umnov, N.R., Popov, I.N. - SMBU-1 unit for drilling boreholes with multiple drills in shafts. p. 3.
Fisenko, G.L., Mironenko, V.A. - Construction of pits in water-bearing deposits without preliminary drainage. p. 7.
Myshinskii, L.N. - Method of determining the heat conductivity of rocks under in situ conditions. p. 10.
Voronin, V.S. - Sprayed concrete supports in the Tekeli Mine. p. 13.
Rabinovich, S.IU., Tarushkin, P.A. - Erection of the steel sections of a transporter bridge. p. 16.
Aptenkar, P.A., Krokhin, V.P. - Rapid shaft sinking with parallel reinforcement. p. 20.
Kolomiets, V.N. - Record drifting rate for the Pechora Basin. p. 23.
Vodolyka, IU.T. - Practice of constructing tower headframes with multirope hoists in the Ukrainian S.S.R. p. 25.
Kasatura, K.G. - Shaft sinking by means of lowering the water level. p. 26.
Shishkov, D.V. - Foreign mining equipment at the Fourth International Fair in Brno. p. 30.
Onishchenko, I.I., Tolstova, L.G. - Concerning the book "Materials and parts for constructing mining enterprises." p. 32.

*STAL' [STEEL]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee] and others. Moscow, vol. 23, no. 6, June 1963.

Table of contents translated.

Zudin, V.M., and others. - Effect of the sintering temperature on the mineralogical composition of sinter and its metallurgical properties. p. 481
Shur, A.B., Bialyi, L.A. - Studying the distribution of materials before blowing-in high-capacity blast furnaces at the Cherepovets metallurgical plant. p. 486.
Kossova, V.P., Komarova, N.E. - Changes in the mineralogical composition of Kerch sinters depending on its basicity. p. 491.
Karamzin, V.I., Gubin, G.V., Kucher, A.M. - Testing four-zone furnaces with a fluidized bed for the magnetization roasting of iron ores. p. 494.
Mishchenko, N.M., and others. - Complex automation of blast furnace air preheaters. p. 497.
Rukhadze, D.A., Gordeziani, N.N. - Sintering high-basicity mixtures at the Rustavi metallurgical plant. p. 499.
New developments in research. pp. 500, 516, 528, 554, 562, 572, 575.
Kvitko, M.P., Shumov, M.M., Afanas'ev, S.G. - Investigating the oxygen-converter process for the converting of low-manganese pig iron. p. 501.
Sakharov, A.A. - Accelerating the production of steel in open hearth furnaces. p. 508
Kulikov, V.O., Turkebaev, E. - Accelerating the production of steel in open-hearth furnaces. p. 509.
Turkevich, D.I. - Trends in the automation of smelting in oxygen converters. p. 510.
Kolganov, G.S., and others. - Using trays with ceramic inserts for the top pouring of steel. p. 515.
Broit, S.M. - Possibility of increasing the durability of basic open-hearth furnace crowns. p. 516.
Bron, V.A., and others. - Lining the walls of 100-ton arc furnaces with magnesite brick and a spinel binding. p. 519.
Volnov, S.G. - Mechanism of the formation and distribution of oxide inclusions in ball-bearing steel. p. 523.
Kovynev, M.V., and others. - Optimum amount of slab reduction in stands with 2800 vertical roll mills. p. 528.
Loskutov, V.I. - Computer control machine "Stal'-1" for waste-free laying out. p. 533.
Bisk, M.B., Sominskii, Z.A., Shveikin, V.V. - Tube drawing with self-centering mandrels on rectilinear-type mills. p. 536.
Orro, P.I., Savin, G.A. - Using a floating mandrel for the drawing of medium length carbon tubes. p. 540
Plankina, A.V., Belikov, P.E., Chaikin, I.K. - Thin-sheet mill rolls of magnesium-treated cast iron p. 544.
Zinov'ev, N.V. - Conference on the production and use of cast iron rolling mill rolls p. 547.
Smirnov, V.S., Durnev, V.D. - "Longitudinal rolling of helical rib sections" by I.IA. Tarnovskii, V.K. Smirnova, S.L. Kotsar'. p. 552.
Malinochka, IA.N., Koval'chuk, G.Z. - Structure of spring steel ingots and the segregation of impurities. p. 555.
Sologub, V.A. - Wear resistance of cutting disks and its connection with the technology of their manufacture p. 561.
Finkel'shtein, A.S. - Metallurgical value of iron ores and its inclusion in the establishment of new wholesale prices p. 563.
Orlinichev, V.I. - Experimental investigation of the process of carbon steel wire drawing on a high-speed direct flow machine. p. 567.
Vasilev, IAnaki Dimitrov - Feeding lubricants under pressure to the deformation zone during drawing. p. 569.
Vernigor, P.I. - Cooling and purification of blast furnace gas in a packingless scrubber. p. 570
Zaprudskii, B.S. - Washing sludge pipes at the Yenakiyevo metallurgical plant. p. 572.
Nikitenko, M.D., and others. - Using bauxite-titanium foundry pig iron. p. 573.
Obraztsov, N.D. - Using television in the pouring of pig iron. p. 574

Vol. 23, no. 9, Sep. 1963
Table of contents translated:

Fitliev, B.V., Rutes, V.S. - Widespread introduction of the continuous pouring of steel is a work of great economic significance p. 769.
Levin, L.IA., and others. - Mastering the operation of high-capacity blast furnaces. p. 773.
IAkhontov, M.V., Tolopov, E.V., Ivanov, A.D. - Causes of the pulsation in blast furnace air preheaters. p. 778.
Bogopol'skii, S.N., and others. - Partial replacement of coke breeze in the sinter charge by peat coke p. 781.
Naumenko, I.E. - Basic conditions for the reliable and troubleproof performance of indicators of moisture in the blast furnace blow p. 785.
IArtsev, N.D. - Adjustment of the DV-1 moisture indicator. p. 787.
Korkoshko, N.M., and others. - Comparison of material balances in oxygen converters and large-capacity open-hearth furnaces with the use of oxygen. p. 788.
Shneerov, IA.A. - Increasing the output of open hearth furnaces now in service. p. 792.
Baranov, IU.I., Kostousov, N.L. - Controlling open-hearth furnace gates from the charging machine. p. 798.
Minaev, V.A. - Mechanical cleaning of open-bottom ingot molds. p. 799.
Vecher, N.A., and others. - Review of D.A. Smolianenko's book "Quality of carbon steel." p. 800.
Prilepskii, V.I., Elimelakh, R.Z. - New developments in research. p. 804.
Toplin, V.V., and others. - Electric slag remelting of heat-resistant, stainless steels. p. 805.
Khasin, G.A., Davidiuk, V.N. - New developments in research. p. 810.
Chikashua, D.S. - Investigating the process of obtaining medium-carbon ferromanganese. p. 811.
Makaev, S.V., Staroseletskii, M.I., Kalinin, A.I. - Reorganization of the blooming mill at the Nizhniy Tagil Metallurgical Combine. p. 816.
Polukhin, P.I., and others. - Investigating temperature conditions in the operation of rolls on the 2500 MMK rolling mill. p. 819.
Sharadzenidze, S.A., Borovkov, A.N., Svetlitskii, E.A. - Practice of flame scarfing of pipe blanks. p. 824.
Borisenko, S.A., Altyn-Para, L.F. - Production of spirally welded pipe. p. 826.
Kurdiumova, V.A., Litovchenko, N.V., Dtomidov, B.B. - Review of a book by S.V. Makaev and others, "Production of lightweight shapes." p. 829.
Loskutov, V.I. - New developments in research. p. 830.
Geller, IU.A. - Improving the structure of high-speed steel in ingots, rolled products and forgings. p. 831.
Svistunova, T.V., Estulin, G.V. - Effect of rare-earth elements on the properties of nickel-base heat-resistant alloys. p. 835.
Mogil'chenko, V.S., and others. - Carbon reduction in the surface layer of ball-bearing and tool steels. p. 839.
Petrukhin, S.I. - New developments in research. p. 840.
Zel'tser, G.S. - Profitability of the Cherepovets Metallurgical Plant. p. 841.
Rozin, B.B., Puchkov, L.M., Pervakov, V.P. - Using methods of linear programming in planning the charging of steel smelting furnaces. p. 845.
Rozengart, IU.L., and others. - Investigating the performance of holding furnaces for nonoxidizing heating. p. 848.
Dneprenko, K.V., Smilan, O.D., Sizov, A.N. - Blind radiant tubes p. 854
Sokolov, N.V., and others - Effect of surface treatment and the conditions of zinc plating on the quality of steel wire coatings. p. 856
Voloshchuk, V.U., and others. - New developments in research. p. 859
Kochinashvili, A.V., Shtromberg, IA.A. - Purification of exhaust gases from metallurgical plants by means of foam filters. p. 859.
Alferov, K.S., and others - New developments in research. p. 861.
Ivanov, N.I., and others. - Using heat-resistant concrete in the construction of open-hearth and heating furnaces. p. 862.
Mershchii, N.P., Shustul'skii, I.B. - New developments in research. p. 862.
Aleksandr Fedorovich Tregubenko, an obituary. p. 863.

TORFIANAIA PROMYSHLENNOST' [PEAT INDUSTRY]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri GosPlane SSSR and Gosudarstvennyi komitet Soveta Ministrov RSFSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the State Committee of the Council of Ministers of the R.S.F.S.R. for the Coordination of Research]. Moscow, vol. 10, no. 4, 1963.

Table of contents translated:

Chubarov, N.D. - Regulation of mining operations and of the moisture of milled peat in pneumatic harvesting. p. 1.
Our experience in the operation of the BPF-2 pneumatic combine. p. 5.
Medvedev, N.I. - Principles of the surveying work in a detailed prospecting of peat deposits with a small surface area. p. 12.
Lempert, E.N., Safonov, N.A. - New machine for the loading of stumps from the shaft. p. 13.
Zhuzin, F.S. - Manufacture of peat-mineral-ammonia fertilizers. p. 16.
Sergeev, B.F. - Methods for the activation of peat nitrogen. p. 20.
Naumovich, V.M., and others. - Adoption of the technological layout for peat briquetting in the "Vertelishki" Plant. p. 22.
Izvekov, G.M., Blakov, P.T. - Modernized furnace of the "B. Pikinskii" Peat Briquet Plant. p. 25.
Froishteter, G.B. - Urgent problems in peat briquet manufacture. p. 28.
Galynker, I.S. - Consolidate the research work on peat briquetting. p. 29.
Lur'e, L.A. - Expand the research work on peat briquetting and coking. p. 30.
Bragin, D.N., Vasil'ev, V.L., Rozinov, A.I. - Some problems in the development of peat briquet production. p. 30.
Exchange of experiences between the enterprises of economic councils. p. 32.
Chronicle. p. 34.
Nikolai Mikhailovich Topol'nitskii. p. 37.
Bibliography. p. 38.

Vol. 40, no. 6, 1963.
Table of contents translated:

Tasks of the railroad transportation of the peat industry of the R.S.F.S.R. during the period from 1963 to 1964. p. 1.
Fedorov, V.V., Bombin, I.P. - Transportation of peat fertilizers and litter. p. 5.
IArovitsyn, V.I. - Expand the promotion of advanced practices. p. 9.
Skvortsov, O.S. - Potentials for reducing train resistance to motion in peat transportation. p. 12.
TSeplianov, O.A. - Peat compression under vacuum. p. 15.
Mogilevskii, I.I. - Concerning the article "Determining the operative capacity of the roller press" by Engineer N.F. Gorin. p. 18.
Vul'f, L.N. - Changes in the chemical composition of peat-mineral-ammonium humus fertilizers occurring during storage. p. 20.
IArchuk, I.I., Azanov, A.G. - Effect of ammonia water on the active life of micro-organisms. p. 23.
Volkov, B.P., Maizenberg, M.M. - Use of peat in the manufacture of wood-particle boards. p. 26.
Lapushchik, IU.K., Braksh, N.A. - Some data on the characteristics of peat wax properties. p. 30.
Panin, A.M. - On the occasion of the fiftieth anniversary of the Klasson Peat Plant. p. 31.
Kuniskii, K.P. - Securing peat fuel for the rural population of the White Russian S.S.R. p. 33.
Prokhorov, N.I. - Forty-five years ago V.I. Lenin signed the decree on the organization of the peat industry of the U.S.S.R. p. 35.
Review. p. 37.
Aleksandr Vasil'evich Briantsev. p. 38.
Bibliography. p. 39.

TSVETNYE METALLY [NONFERROUS METALS]. Organ Gosudarstvennyi Komitet po Khimii i Tekhnologii Tsvetnykh i Redkikh Metallov [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 36, no. 5, May 1963.

Table of contents translated

Widely expand the use of oxygen in nonferrous metallurgy. p. 1.

Labas-pal', N. P. - Introduction of ball-less comminution in ordinary mills. p. 5.

Polkin, S. I., Andreev, P. I. - Flotation and separation of pyrochlore-ilmenite-rutile, and zircon and the mechanism of the action of reagents. p. 9.

Traubits, A. K., Kuz'kin, A. S. - Action of hydrocarbon oils during flotation. p. 17.

Revzash-in, B. I., Ivanov, E. A., Kulesho, IU. G. - Potentialities for increasing the effectiveness of the flotation process. p. 24.

Vlasov, V. L., Tarutina, I. N. - Effect of vacuuming on the composition and properties of cast copper. p. 30.

Orurev, A. I., and others. - Accelerating the fuming of slags with the use of oxygen-enriched air. p. 34.

Pazdnikov, P. A., Pavlyuk, R. A. - Processing cobalt sulfide materials by hydrosulfatizing. p. 41.

Konstantinov, V. I., Sutovskii, S. M. - Automatic measurement of chlorine concentration in anodic gas. p. 45.

Savitskii, E. M., and others. - Obtaining single crystals of scandium, yttrium, and gadolinium. p. 51.

Zaitsarova, G. V., Zhurova, L. P. - Heat treatment of niobium. p. 53.

Grezdilo, I. A., Militsyn, K. N. - Effect of a modification treatment of nickel melts on the quality of ingots. p. 59.

Pavlov, I. M., and others. - Hot rolling of niobium in vacuum and in a protective atmosphere. p. 63.

Minaev, A. I., Serzhentsev, V. V. - Average specific heat capacity of thermostatic bimetals and alloys composing thermostat elements. p. 67.

Luzanov, V. K. - Laboratory centrifugal mill. p. 76.

Nikitin, IU. I., Chepelev, M. I. - Results of adopting a two-stage flowsheet for the comminution of bauxite. p. 78.

Fel'dman, I. E., Koshelev, A. G., Katerova, N. A. - Automatically controlled electrolytic unit for use in experimental laboratories. p. 80.

Kuz'min, N. P. - Highly effective vertical, louvered spray trap for evaporators. p. 82.

Shein, IA. P. - All-Union conference on the use of oxygen in nonferrous metallurgy. p. 85.

Korotkov, V. - Introducing the international system of units in the U.S.S.R. p. 90.

Pen'ko, A. S. - Matte blowing with oxygen-enriched air. p. 93.

Danchenko, A., Sosnin, A. - "Mechanical equipment of heavy nonferrous metal plants" by A. I. Basov. p. 94.

Vol. 36, no. 9, Sep. 1963.

Table of contents translated

Ilinykh, G. V. - Using the extraction method in metallurgy. p. 1.

Sedov, G. A., Nikitin, A. A. - Methods of determining the content of minerals in placers. p. 8.

Lebedev, A. V., and others. - UMK-500 flotation machine. p. 11.

Melekhova, E. L., and others. - Comparative testing of *Mekharobr* and *Sikhin* flotation machines at the Kirovgrad plant. p. 14.

Nikitin, IU. I., Kilachin, V. V. - Power consumption by an industrial hydrocyclone during the classification of pyrite ores. p. 16.

Reznik, I. D., and others. - Depletion of waste slags from shaft furnace smelting of oxidized nickel ores in electric crucibles. p. 22.

Kir'yanov, A. K., and others. - Slag depletion in tubular rotary furnaces. p. 29.

Novozhilov, A. B. - Effect of the physical state of the charge mixture and the rate of blowing on the sintering process of lead concentrates. p. 32.

Demikhova, T. V., Vorontsov, IU. V. - Stability of periclase-spinelide linings during the converting of copper matte. p. 37.

Osipov, IA. Kh., and others. - Mastering the procedure of nodulizing and roasting flotation concentrates. p. 42.

Dzhiev, I. I. - Electrolytic deposition of cadmium in the form of compact cathode deposits. p. 47.

Leitseizen, M. G., Beketskii, M. S. - Deep desiliconizing of aluminate solutions in the presence of lime. p. 49.

Frish, M. A., Smirnova, A. S., Borozhieva, M. N. - Effect of vacuum pressing on the properties of graphite electrodes. p. 54.

Kolchin, O. P., Berlin, I. K., Presnetsova, N. V. - Induction zone melting of high-melting rare metals. p. 59.

Ivanovskii, L. E., Petenev, O. S. - Hafnium behavior in the electrolytic production of zirconium from chloride-fluoride melts. p. 65.

Bojarshinov, M. I., Litovchenko, N. V., Kurdiumova, V. A. - Grooving the new semicontinuous wire rod mill intended for the rolling of copper rod. p. 70.

Poskachei, O. A. - Measuring temperatures under 600° C by radiation. p. 76.

Rozhkov, V. M., and others. - Mastering the production of drill pipes with inner tips made of the B95 alloy. p. 79.

Delimarskii, IU. K., Pavlenko, I. G., Zarubitskii, O. G. - Electrochemical separation of lead and bismuth with the formation of intermetallic compounds. p. 85.

Shapiro, K. IA., Kalikova, V. V. - *Hydrochlorine* treatment of lean molybdenum intermediate products. p. 88.

Bozhko, M. P. - Using silicate enamels for the coating of working surfaces of ore dressing machines. p. 90.

Shevchenko, G. L. - Progressive methods of carrying out repairs in enterprises of nonferrous metallurgy. p. 91.

Tsitsopulo, N. P. - School of progressive practices on the autogenous crushing of ores. p. 93.

Seminar at the thematic exhibition of the Achievements of the National Economy on mining equipment for ore dressing plants. p. 95.

All-Union interfactory school on the exchange of practices in the flotation of heavy nonferrous metal ores. p. 95.

New exhibits in the nonferrous metallurgy department of the "Machinery manufacture" pavilion. p. 96.

VOLGOGRAD, NAUCHNO-ISSLEDOVATEL'SKII INSTITUT NEFTIANOI I GAZOVOI PROMYSHLENNOSTI. Trudy [SCIENTIFIC RESEARCH INSTITUTE FOR THE PETROLEUM AND GAS INDUSTRY. *Transactions*]. Moscow, no. 1, 1962. Geologicheskoe stroenie i neftegazonosnost' Volgogradskoi oblasti [Geology and oil and gas potentials of Volgograd Province].

Table of contents translated

Rozanov, L. N. - Tectonic pattern and regionalization of the right bank of the Volga portion of Volgograd Province. p. 3.

Karpov, P. A., and others. - Stratigraphy of Devonian sediments in the Don-Medveditsa swell and the Tersinskaya *Depression*. p. 17.

Mel'nikova, A. S., and others. - Stratigraphy and lithology of Carboniferous sediments in Volgograd Province. p. 39.

Urusov, A. V., Ketat, O. B., Kol'tsova, V. V. - Stratigraphic scheme of Permian and Triassic *sediments in the* Volga Valley portion of Volgograd Province. p. 91.

Smirnov, A. V. - Lithology and lithofacies of Jurassic sediments in the Volga Valley portion of Volgograd Province. p. 111.

Aleshin, V. M., IUr'eva, T. N. - Upper Pliocene sediments in some regions of the northern Caspian Lowland. p. 130.

TSygankov, A. - Basic characteristics of the morphostructure of the lower Volga Valley. p. 141.

Afrikian, A. N., IAikina, E. P. - Isolation of oil-reservoir rocks in carbonate sediments based on the materials of geophysical study of wells. p. 179.

Kisel'gof, S. M., and others. - Paleozoic waters of Volgograd Province. p. 191.

Tverdova, R. A., and others. - Geochemistry of Lower and Middle Carboniferous oils and bitumens in the deposits of Volgograd Province. p. 225.

Gabrielian, A. G. - Formation of oil and gas pools in the Volga Valley portion of Volgograd Province. p. 246.

17. MILITARY & NAVAL SCIENCES

a MILITARY SCIENCE

KOMMUNIST VOORUZHENNYKH SIL [COMMUNIST OF *THE ARMED FORCES*]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [*Main Political Administration* of the Soviet Army and Navy]. Moscow, vol. 3, no. 18, Sep. 1963.

Table of contents translated

Editorial. Show consideration and tact concerning letters and complaints. p. 3.

Lukonin, S. - National government, a new stage in the development of socialist state organization. p. 9.

Batitskii, P. - The main thing is constant combat readiness. p. 19.

Mordvinov, I. - Party Committee and scientific work at the academy. p. 26.

Skryl'nik, A. - *Moral standards* and the need for regulations. p. 33.

Unabated attention to the organization of soldiers' *time off*. p. 42.

Sinitsk, V., Vare, V. - Role of man and technology in the control of *troops*. p. 46.

Programmed instruction enters into life. p. 51.

Vakurov, I. - His heart belongs to the people. p. 54.

Zakharov, A. - Powerful weapon in the education of *soldiers*. p. 59.

IAnborisov, R. - Petty officers are champions of regulation procedure on *ship*. p. 62.

Balev, N. - In an uncontrolled situation. p. 1.

Gankevich, I. - Young communists are standing [illegible]. p. 60.

Tikhonkov, I. - Young people are following [illegible] *footsteps of heroes*. p. 69.

Jaruzelski, W. - Polish People's Army [illegible] old. p. 74.

Vasil'ev, S. - Militant advance guard of [illegible] Italy. p. 30.

Commissions of Communist Youth [illegible] and bureaus. p. 85.

May a member of the bureau address a party [illegible] with proposals different from the directive of the bureau? p. 87.

Volovich, V. - Lenin's principles of party [illegible] control. p. 80.

News of party and political work. p. 91.

Follow-up of our articles. p. 96.

NASHI VESTI [OUR NEWS]. Published by Natsionalnoe Russkogo korpusa [The Association of Members of the Russian Corps]. New York, vol. 19, no. 209, Oct.-Nov. 1963.

SOVETSKII VOIN [SOVIET SOLDIER]. Izdaetsia Glavnym politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 19, no. 17, Aug. 1963.

Table of contents translated

Vershinin, K. A. - Eagle breed. p. 1.

Rytov, A. - In the advance guard of the combat [illegible]. p. 3.

Pokryshkin, A. - The party gave us wings. p. 4.

Popovich, P. - Sky attacks. p. 6.

Kulikov, M. - What then is the main thing. p. 17.

Trikhmanenko, Viktor. - If morning would [illegible] sooner. p. 19.

Barents, Sergei. - On the highways of the sky. p. 22.

Nekrasov, V. - Airman Kubasov. p. 24.

Miasishchev, V. M. - Airplane and the [illegible]. p. 26.

Sedov, G. A. - Man is master of the airplane. p. 28.

Fresh wind of life. p. 30.

Nedogonov, Vasilii. - Sky-blue snow. p. 31.

Vazhin, F., Vasil'ev, P. - From the oath of the soviet soldier. p. 34.

Faingersh, P. - Communication protects the [illegible]. p. 34.

Stepanov, E. - Ivan Ivanovich. p. 35.

Zaitsev, A. - After the example of Nikolai [illegible]. p. 36.

Ivanov, B. - In the air and on the ground. p. 37.

El'nitskaia, K. - Heroines, aviatrixes. p. 41.

Borisenkova, Valentina, and others. - On the [illegible] *women soldiers*. p. 42.

Pozhidaev, I. - Sports organizer. p. 44.

Viknev, O. - Triumph of Soviet boxing. p. 45.

Baulin, Vl. - "The sky yielded to them." p. 47.

Why do we speak this way? p. 47.

In a free moment. p. 48.

Vol. 15, no. 17(339), Sep. 1963.

Table of contents translated

Muratov, V., and others. - Gold mines. p. 2.

Drnkokhrust, Aleksandr. - Ocean storms like this. p. 5.

Kukharets, Anatolii. - Sea in bad weather. p. 6.

Shapkin, S. - Long year. p. 13.

Gushchin, N. - Powerful wings. p. 15.

Pimenov, V. - At the Leningrad Nakhimov Naval School. p. 16.

Matveev, N. - Stories by Ivan Tret'iakov. p. 18.

Ageev, Nikolai. - Vigilance, you who are [illegible] ward! p. 18.

Mus'iakov, P. - "Course leads to danger." p. 19.

Khar'iuzov, V. - Bright campfire. p. 19.

Lebedev, P. - Thanks for the story. p. 19.

Loginova, N. - Military adventure. p. 19.

Our activists are on the march. p. 20.

Bortsov, M. I. - Model construction projects are waiting for heroic deeds. p. 21.

Tychina, Pavlo, and others. - Songs of those killed in action. p. 23.

Great channel. p. 26.

Akopian, Karlen. - Mother. p. 31.

Romanov, P. - Periodic report. p. 32.

TSarinskii, A. - While the plane is in the air. p. 34.

Ryl'nikov, V., and others. - From mail of a border soldier. p. 36.

Soldier is a proud name! p. 41.

Films from five continents. p. 42.

Chebotarev, V. - Best yachtsmen on a raid. p. 44.

Aleksandrovskii, O. - Executioners of freedom. p. 45.

Fomin, S. - Soldier was on leave. p. 47.

Gurvich, A. - Chess. p. 48.

Vol. 45, no. 10(990), Sep. 1963.

Table of contents translated:

Vlasov, D. - High boundary. p. 2.

Andriukaitis, A. - Downpour. p. 4.

Shapa, L. - Birches are smiling at us. p. 6.

Volokhov, B. - Submariners go to sea. p. 8.

Sumbatashvili, I. - On positions of realism. p. 11.

Lvov, M. - Reward posthumously to the living. p.11.
Mustafin, IAmil' - Birth of a record. p.15.
Patozkov, A. - Flagship of large-scale chemistry. p.16.
Perventsev, Arkadii - Glorious national hero. p.18.
Krilkov, V., and others - We shall talk about soldiers' leisure. p.20.
First Soviet order. p.21.
Mitin, V. - With love near by. p.22.
Shelemskii, IAkov - From the book "Emergency supplies." p.24.
Legends are confirmed. p.25.
Lin'kov, Lev - Great channel. p.26.
Labokikh, A. - Yelnya, 1941. p.31.
Dishalov, Stolan - Vako from Luzhenits. p.32.
Pertsov, V., and others - From mail of a Soviet soldier. p.36.
Sokolova, Revmira - Meetings on the way. p.41.
Skoronnyi, M. - Good start. p.42.
Forward, you courageous and dexterous ones! p.43.
Domogatskikh, Mikh - From the Pyramids to Lake Victoria. p.44.
Eremeev, L. - Beware, an American is coming! p.45.
Kiselev, V. - An old acquaintance. p.46.
Chess. p.48.

STARSHINA - SERZHANT [NONCOMMISSIONED OFFICERS]. Issued by Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, no.5(32), May 1963.

Table of contents translated:

Zhuravskii, A. - It's May in the city. p.1.
Victorious in battle and at work. p.3.
Vlasenko, Aleksandr. - One must create for the people. p.4.
War of the whole people 1941--1945. pp.5,6,9, 11,13.
Powerful means of progress. p.6.
Chekhov, I. - Beyond the limit of fear. p.8.
Kozlov, F. - Vital and valuable experience. p.9.
Vinnikov, V. - Night operations know how to orient well. p.10.
Khrlashchev, IU. - Demonstration training is going on. p.12.
Kozhedub, I. - Young but responsible. p.14.
Aleksandrov, N. - Explosion at night. p.16.
Nikolaeva, V. - "Literally their real father." p.18.
Sapozhnikov, M. - "Ready," reported the rocket gunner. p.19.
Camp where I am stationed. p.20.
Passes are given to those who study. p.21.
Orlov, V., Sysoev, A. - Border crosser won't get through. p.22.
Nikishomov, P. - Electronic warfare. p.25.
Ershov, Zakhar. - Zakhar Ershov has the floor. p.26.
Medvedev, V. - Inspection of tracklaying machinery. p.28.
Moiibog, A. - Do the same thing. p.29.
Gorshkov, IU. - Cleanliness and longevity of ship boilers. p.29.
Nikolaev, V. - More about a universal portable.... p.30.
Sergeev, I. - Ten-fold increase in stability. p.31.
Kamashchenko, A., Povetkin, V., Medenets, L. - Thanks to a rearrangement of the vanes. p.31.
Novikov, M. - Rockets on armored cars. p.32.
These are not idle questions.... p.33.
Shilov, Georgii. - Birth of a partisan song. p.34.
Granaturov, G. - Al'metov on the ice. p.36.
Sokolov, V. - In a quiet corner. p.37.
Contest winners speak. p.38.

VESTNIK PERVOPOKHODNIKA [HERALD OF THE FIRST CAMPAIGN VETERANS]. Issued by Pravlenie Kalifornilskogo obshchestva uchastnikov 1-go Kubanskogo generala Kornilova pokhoda [Administration of the California Association of Veterans of General Kornilov's First Kuban Campaign]. Los Angeles, nos. 23-24, Aug.-Sep. 1963.

VESTNIK PROTIVOVOZDUSHNOI OBORONY [AIR DEFENSE REVIEW] Published by Voennoe izdatel'stvo Ministerstva oborony SSSR [Military Publishing House of the Ministry of Defense of the U.S.S.R.] Moscow no.11, Nov 1961

Table of contents translated:

Significant event of our epoch. p.3.
Todorskii, A.I. - Along the path traced out by October. p.6.
Bondarenko, F.M. - At a new stage of combat skill. p.11.
Bulko, T.I. - Heroism and skill of antiaircraft gunners. p.15.
Mikhailov, E.I. - Improve the organization and quality of the military maintenance of equipment. p.16.
Doshchechkin, V.G. - Equipment familiarization exercises. p.19.
Kornienko, A.I. - Characteristics of amplifiers with regenerative feedback. p.22.
Zhuravlev, V.I. - Detection of ballistic rockets by means of infrared equipment [as revealed by foreign press data]. p.25.
Good organization is the basis of success in combat training. p.29.
Narbut, I.P. - An important task of maintenance personnel p.33.
Skripunov, V.A - Training in the cabin of a plane p.35.
Mikirtumov, E.B. - Landing of an airplane. p 36.
Paskevich, V T. - Use of transistor diodes. p.40.
Bogushevich, I IA. - Display a high vigilance always. p.42
Gorbenko, S.S. - Phenomenon of long-distance scattering of shortwaves reflected from the earth. p.47.
Golubev, B.I. - Methods for suppressing radar stations (as revealed by foreign press data). p.51.
Tiurin, A P., Khorkhordin, G.I. - In any situation they provide reliable communication. p.55.
Burgaft, M.I. - This decides the success of affairs p 59.
Volkovyskii, S.M. - Radio control panel for instructional use. p.62,
Chashchin, M V., Seregin, IU.V. - Warning device for radioactive contamination. p.63.
Zanegin, G.I - Independent work of students p 64.
Kharchikov, P K - Pay attention daily to sergeants in schools. p.68.
Tabachnikov, I Z - We inculcate study habits in cadets. p.70
Kovalevskii, F.IA., Chernov, P.I - This practice is beneficial. p 72.
In battles for Kiev: IArkhunov, V.M - In the first months of the war. p.74.
Grekhnev, P.I. - Antiaircraft defense of the Dnieper River crossing. p 76.

VOENNYE ZNANIIA [MILITARY KNOWLEDGE] Organ of Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy] Moscow, vol 39, no 9, Sep 1963.

Table of contents translated

In a Daghestan aul. p.2 of cover.
Editorial: Most important tasks of the defense society. p.1.
Skvortsov, A. - Sports for the masses and the masters. p.3.
Kozol'kov, N. - The tank is a terrible weapon. p.5.
Belokon', A - In the room of military glory. p.6.
Kamyshev, M. - Heroes of the Don. p.7.
Vakurov, I. - Know the military ranks p.8.
IAkovlev, D. - Color-bearer. p.10.
Kal'ianov, E. - Depths are subject to the strong. p.11.
Shabalin's style. p.12.
A soldier's wit. p.13.
Gavrikov, F. - Members of the landing force. p.14.
Kosarev, I. - Under the flag of the Spartakiada. p.15.
Stebenev, F. - Demands of the party in practice p.17.
Nekrasov, N. - Attention to the schools! p.18.
Garbar', K. - Restless man. p.19.
On a paramilitary march. p.20.
Uszia, Gyula. - Defense society of People's Hungary p.21
Commander of the Zheleznaia p 22
Pokrovskii, G. - Man and technology in military affairs. p.23.
Against forty. p.24.
Milanov, V. - A rocket ship attacks. p.25.
Kudriashov, IU. - Firing a large-caliber rifle (from a fixed position). p.26.
Khotinskii, E., Ilinshin, V. - At a judges' seminar. p.28.
Cherevishnyi, P. - For the masses, that's the basis. p.29.
Litovkin, E., Kravchuk, V. - Preparation of a boat for races. p.29.
Shekhovtsov, V. - What should underwater sports be like? p.30.
Uspenskii, G. - Swimming under water by a compass. p.31.
Kartashev, R. - For amateurs of aquatic sports. p.32.
Stupnikov, N - Trainer and public worker. p.32.
Popov, I. - Self-help and mutual aid in the area of nuclear contamination. p.33.
Savel'ev, L. - Taking into account lessons of the past. p.35.
Leonov, Vadim. - Old barge. p.36.
Rabinovich, I. - Reliable help to the trainer. p.38.
New books from the Publishing House of the All-Union Volunteer Society for Assistance to the Army, Navy, and Air Force. p.38.
Military calendar. p.39.

VOENNYI VESTNIK [MILITARY REVIEW] Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol.42, no.11, Nov. 1962

Table of contents translated:

Editorial: Triumph of ideas of the Great October Revolution. p.3
Varentsov, S. - In the highest combat readiness. p.7.
Nikitich, N. - Serve the homeland conscientiously. p.10.
Davydov, IA. - Spiritual upsurge. p.12.
Miloserdov, D - Right flank in competition. p.14.
Shirudov, A. - From line to line. p.16.
Karavaev, G. - For the benefit of society p 19
Kovzun, L. - Independent actions of small units p.20.
Kozlovskii, L - Tank company in the forward detachment. p.23.
Ismailov, Kh. - Commander makes a decision on the march. p 27.
Ashin, G, Trifonov, P. - Mistakes which should not have been made. p 29.
Ivolov, V - Use of armored carriers in the mountains. p 33.
Liubimov, IU. - Don't forget about reconnaissance. p.36.
Grabovoi, I. - What should be the composition of the KhRD (Chemical Reconnaissance Patrol). p.37.
Answer to a tactical problem published in No 6, 1962. p.38.
Stampfler, G. - Lessons of a "battle." p.39.
Vizi, János. - Methodological exercises with sergeants on tactics p.41.
IAnovskii, S. - Noble manner of the Soviet soldier. p.43.
Fomin, N. - Experience in methods and training periods. p 47.
Cherkasov, L. - Control of combat training in the company p 51.
Polikov, V. - Practical training as a basis of instruction. p. 53.
Shcherbakov, V. - Jump training from high-speed airplanes. p.54.
Sedov, V., Ignat'ev, S., Rotiberg, S. - Training of driver-mechanics. p 57.
Prisnchenko, A, Kovalev, A., IAnishevskii, N. - New problems and obsolete methods. p.60.
Bol'shakov, M. - Foreign language in tactical exercises. p.62.
Dolgikh, A, Shilov, G. - Volleys at dawn. p.64.
Reinen', I. - Prepare unplanned fire more quickly. p.68.
Vishniakov, N. - Training field for artillery reconnaissance scouts. p.70.
Tamanov, N. - Study of gyroscopic instruments. p 72.
Likhodei, I. - Target designation by a prepared reading. p.76.
Glubochanskii, L - Preparation for high flying. p.78.
Kozhevnikov, A. - Operations of a battery in the mountains. p.81.
Bobrov, A. - Technical training p.82.
Emel'ianov, P. - Planning of combat training in the company. p.85.
Zabusov, M., Nevler, V. - How we prepare the relief for drivers of stream-crossing and landing craft. p.89.
Shteinberg, M. - Operations of mobile blocking detachments in the mountains and in the desert. p.89.
Prokof'ev, D. - Erecting a bridge in winter from the infantry-support tank unit supply depot p.91.
Your decision, pontoon bridge company commander? p.93.
Tolstyi, V. - Good method for field training of signalmen. p.94.
Zonis, M. - In class like at the radio station. p 95.
Kaptsevich, G - Instructor's and methodological work with radio sergeants p.97.
Rodin, N. - To great distances. p.99
Gorlow, A. - Necessary and possible. p.101.
Sysoev, A. - Training of tankmen in firing from concealed positions. p.105.
Sinshchev, G. - Firing with a large displacement. p 107.
Sukhomlin, I., Ponomarenko, V. - New method of deactivating tanks. p.109.
Fedorov, V. - The sighting rule for a five direction instrument is improved. p.110.
Gudel'man, B. - Instrument used in the projection and construction of bridges. p.112.
Makarov, L., Golovanov, N. - Strengthening the ideological treatment of personnel in the Bundeswehr p.114.
Foreign military news items. p.118.
Al'tgovzen, M. - Chronicle of outstanding victories. p.120.
New books published by the Military Publishing House. p.123.
Tarasov, A. - The army men are ready for the hockey battle. p.124.
Chess. p.127.

Vol.43, no.9, Sep. 1963.

Table of contents translated:

Editorial: Main striking force of the land troops. p.3.
Smirnov, V. - Heroes of one battle. p.7.
Kravchenko, I. - Raid to the gulf. p.10.
Shtemenko, S. - For the staffs, a high coordination and operational efficiency. p.13.
Belous, P. - Characteristics of the offensive of a company in the mountains. p.17.
Gavrikov, F. - Members of the landing force attain mastery. p.20.

[illegible] p 23
[illegible] p 34
[illegible] p 37
[illegible] p 42
[illegible] p 44
[illegible] p 48
[illegible] p 51
[illegible] p 54
[illegible] p 56
[illegible] p 62
[illegible] p 67
[illegible] p 69
[illegible] p 70
[illegible] p 71
[illegible] p 73
[illegible] p 76
[illegible] p. 78
[illegible] p 82
[illegible] p 87
[illegible] p 89
[illegible] p 92
[illegible] p 95
[illegible] p 97
[illegible] p 98
[illegible] p 100
[illegible] p 104
[illegible] p 106
[illegible] p 109
[illegible] p 111
[illegible] p 113
[illegible] p 117
[illegible] p 123
[illegible] p 125
[illegible] p. 127

b NAVAL SCIENCE

LENINGRAD. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MORSKOGO FLOTA. Informatsionnyi sbornik [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE MERCHANT MARINE. Information Bulletin]. No. 44, 1959. Tekhnicheskaia ekspluatatsiia morskogo flota [Operation and Maintenance of Merchant Ships], no. 2.

Table of contents translated

Korchagin, M. I. - Using fast diesels as the main engines of cargo motorships. p. 3.

Botkin, P. P. - Additives to sulfurous fuels for improving the performance of diesel engines p. 24

Golovizina, A. M. - Reversing properties of the main geared turbine unit and the inertial properties of the steamer "Sergei Botkin." p. 36.

Gol'denfon, A. K. - Characteristics of the fuel control unit in the fuel combustion system of marine boilers. p 46.

Maslov, V. V. - Use on ships of the mechanical atomizing system in the burning of highly viscous 3580-100 mazuts. p. 55.

Sidorov, M. I. - Characteristics of modern combustion chambers on ships for burning mazut. p 66

Pesochinskii, V. N. - Modern dredgers in the marine dredging fleet. p. 72

No 83/84, 1962. Tekhnicheskaia ekspluatatsiia morskogo flota [Operation and Maintenance of Merchant Ships], no. 18/19

Contents [Methods of testing the thermodynamic efficiency of marine diesel engine power plants] Metodika teplotekhnicheskikh ispytanii dizel'nykh sudovykh ustanovok. 165 p.

MORSKOI FLOT [THE MERCHANT MARINE] Issued by Ministerstvo morskogo flota SSSR [Ministry of the Merchant Marine of the U S S R] Moscow, vol 23, no 10, Oct 1963

Table of contents translated:

Victorious stride of the October Revolution. p. 1.

Artiukhov, V. - Contribution of Il'ichevsk longshoremen to the personal account of the communist party work. p. 3.

Fisher, E., Rozenshtrakh, M. - In the front rows of builders of communism. p. 4.

Brodskii, A. - Leningrad - Havana. p. 6.

Karelin, N. - Vigilant eyes of volunteer controllers. p. 8.

Protecting the interests of the state. p. 9.

Let the "Communist Youth League searchlight" burn brighter in the merchant marine. p. 9.

Davydov, N. - Direct delivery of container cargo. p. 10.

Ivashchenko, A. - Use of an eased load line. p. 12.

Brikman, I. - Improve the over-all mechanization in every possible way. p. 13.

Kilanov, I., Leiner, F., Shaleev, L. - Loading and unloading of asphalt and bitumen by grab cranes. p. 14.

Martirosian, T. - Using opening-roof cars. p. 16.

Sutorov, B., Volkov, V. - Make wide use of economic analysis. p. 17.

Arsheneveskii, IU. - Long-term forecasting and artic navigation. p. 18.

Rakhovetskii, A. - Common sense and mathematics. p. 20.

Shalaginov, A. - Planetable for computations during navigation in ice. p. 21.

Stefenko, A. - Storm and strong wind warning signals have to be changed. p. 24.

Goncharov, A. - Taking an unpowered vessel alongside a tug. p. 26.

Kritskii, V. - Know ship firefighting tactics. p. 27.

IAgovkin, V. - Reliability and maintenance of the electrical equipment on ships. p. 29.

Gerasimov, A. - Causes for the failure of bearings on R8DV136 diesel-generators. p. 30.

Lupanov, IU. - With the help of ship electricians. p. 31.

Chirkin, B. - Power engineering on ships of the future. p. 33.

Mitriushkin, IU. - Improve efficiency conditions for the repair of marine systems and mechanisms. p. 35.

Sislukin, M. - Provide for the efficiency of ship repairs in the design of the ships. p. 38.

International maritime conventions. p. 39.

Bukhanovskii, I. - Operational devices for the prevention of collisions at sea. p. 40.

Spitsyn, Ch. - New water softening equipment "Nirex-Compact." p. 43.

Brief news from foreign countries. p. 43.

Gurevich, G. - Monograph devoted to the complex organization of fleet and harbor operations. p. 44.

Conference on the protection of seawater and coastal areas from pollution. p. 45.

Following the initiative of the "Kara" seamen. p. 45.

With the help of volunteer inspectors. p. 45.

Follow-up of published materials. p. 46.

MORSKOI SBORNIK, zhurnal Voenno-Morskogo Flota Soiuza SSR [NAVAL REVIEW, Magazine of the Soviet Navy] Vol 46(116), no. 8, Aug 1963

Table of contents translated:

Grishanov, V. M. - Along the course traced by Lenin toward new heights in ideological work. p. 3.

Timofeev, N. A. - Northwestern Atlantic. p. 17.

Lukin, S. P. - Antirocket and space defenses. p. 27.

Maslov, P. D. - Great victory at Kursk. p. 35.

Luchininov, S. T. - Academician Aleksei Nikolaevich Krylov; on the 100th anniversary of his birth. p. 40.

Stoliarenko, A. M. - Ways of increasing the active participation of trainees during the training of a ship's personnel. p. 50.

Denisov, N. A. - Training the personnel of a submarine to fight for the boat's power of survival. p. 56.

Karger, B. P. - Determining the elements of a submarine's movements for aerial bombing in training area conditions. p. 59.

Pavlov, G. V. - Training flyers for instruction work. p. 64.

Zaitsev, V. P. - Greater attention to boat handling. p. 68.

Murchenko, L. G. - Determining the position of a ship by natural radar orientation points. p. 69.

Nikitin, B. V. - First ship on an air cushion. p. 71.

Shmyrev, A. N. - Stabilization of ships on rough seas. p. 74.

On ships, in units, and in naval commands; from reports of our volunteer correspondents. p. 79.

Barchenkov, S. A. - Fiber optics [illegible] tary radio electronics. p. 81.

Zlobin, G. P. - Position of hydrofoil [illegible] on modern American surface ship[illegible]

Brief news of foreign navies. p. 89

Alekseev, B. A., Ivanshchenko, [illegible] was carried on by the United [illegible] nance at sea. p. 92.

RECHNOI TRANSPORT [INLAND WATER TRANSPORTATION]. Issued by Ministerstvo [Ministry of the River Fleet]. M[illegible] Aug. 1963.

Table of contents translated:

Belousov, R. - Improve planning [illegible] tion. p. 1.

Naidenko, K. - Prepare for the [illegible] exemplary manner. p. 3.

Medvedev, A. - Ways of reducing [illegible] transportation. p. 5.

Chernov, M. - Improve the level of [illegible] search work. p. 8.

Il'chev, L. - Norms for the [illegible] re-examined. p. 10.

Nikolin, A. - Work without accident [illegible]

Lukovitskii, A. - Efficient use of [illegible] transportation. p. 14.

Glazkov, M. - Year-round work for [illegible] p. 15.

Dratsun, M. - Improve cargo handling [illegible] cial operations. p. 17.

Ilkhin, A. - Methods of calculating [illegible] of loading and unloading operations [illegible]

Rutto, R., and others - Plastic coating [illegible] of cranes. p. 21.

Pozdnev, A. - Joy in working. p. 21.

Kibal'nik, I. - Improve the planning [illegible] operations in Repair and Maintenance [illegible]

Bellak, IU. - Use of ships in mixed [illegible] p. 26.

Troflmov, V. - Improve the maintenance [illegible] p. 28.

Vakulov, N., Sergeev, A. - Maintenance [illegible] ship "Mamadysh." p. 30.

Brykov, S. - Methods of determining [illegible] overhauls of the cylinder piston [illegible] p. 31.

Shibanova, E. - Efficiency promoters [illegible] lovsk Repair and Maintenance Plant [illegible]

Popov, N. - Major improvement in [illegible] conditions in the Kama Basin p. 3[illegible]

Degtarev, V., Mamalkov, M. - Pipe [illegible] under the protection of temporary [illegible] structures. p. 40.

Shelgunov, N., Sedlyanov, A. - Improve [illegible] surveying river beds. p. 41.

Pozdnev, A. - Dredging machine [illegible] rivers. p. 44.

Plotko, G. - Coastal radar station[illegible] p. 5

Brief news. p. 47.

Strakhov, A. - Aleksei Nikolaevich [illegible]

Danilichev, S. - First in the world [illegible] motor tugboat. p. 50.

From the editorial collective. p. 51

Rostov, S. - Loading jibs made of [illegible] p. 53.

Bukhbinder, I. - Technical information [illegible] are handled by volunteers. p. 54

Soluzov, A. - First pushed barge-train [illegible] portation in the German Democratic [illegible] p. 54.

Vol. 22, no. 9, Sep. 1963.

Table of contents translated:

Kuryleva, E. - Increase the responsibility [illegible] unions for educational work among [illegible] p. 1.

Putting an end to cargo turnover lagging [illegible] objective. p. 3.

Solov'ev, G. - First steps of the new [illegible] p. 6.

Gurovich, A. - Economic efficiency in [illegible] passenger traffic. p. 8.

Vyshkind, P. - First ship for the Volga-[illegible] Waterway. p. 10.

Komissarov, N. - Operational qualities of [illegible] motorship "Professor Kerichev." p. 12.

Kotik, I. - On small rivers of the Ukraine. p. 14

Varentsov, I. - Water transportation of [illegible] p. 16.

Ponomarev, A. - Increase the production of [illegible] materials for building needs. p. 17.

TSeitlin, F. - Dredging machine operating [illegible] production of rock materials. p. 19.

Shorin, V., IAkimov, E. - Reducing the [illegible] the electric load on feeders. p. 21.

Buchin, E. D., Balashov, V. D. - Building [illegible] canals to industrial enterprises. p. 23.

Kulik, IU. - Over-all mechanization of ship [illegible] ing. p. 25.

Chernysh, A., and others - Automatic control [illegible] motorship engine operations. p. 27.

Storozhev, V. - Evaluating the condition of [illegible] p. 29.

Podosinnikov, V. - Separation of lubricants aboard ship. 30.
Popov, A. - Complex automatic control on the steamer "Admiral Ushakov." p.32.
Renskii, N. - Results of testing new types of main engines. p.32.
Sizov, G., Bibikov, IU. - Heat conditions on tank vessels. p.35.
Krivenkov, F. - Maintenance of steam power plants. p.37.
Korolev, V. - Volga-Baltic Sea Waterway. p.38.
Pozdnev, A. - Photographic story on the Volga-Baltic Sea Waterway. p.40.
Vil'pert, A. - River regulation in the Northern Basin. p.43.
Makkaveev, N., Chalov, R. - Methods of improving navigation conditions on the Ob' River. p.45.
Zommer, IU. - Striving for improved navigable conditions. p.47.
Stankeev, A. - Underwater breaking of rocky bottoms by superimposed charges. p.49.
Solarev, N. - How to determine the momentum of a ship. p.51.
Grishin, G. - Improve the visual field from a ship's control position. p.52.
Galashov, N. - "LFM-GPI-41" ice-breaking machine. p.53.
Platunov, M. - Carry out without hesitation nighttime passages on winged ships. p.54.
Penzin, V. - The Ship's log books should be altered. p.54.
Zyrianov, A. - About the supplement to the "Sailing regulations." p.55.
Fufaev, I. - Servicing navigation lights. p.55.
Danilichev, S. - Catamarans. p.56.
Fomin, V. - Transportation of grain in the United States. p.57.

REFERATIVNYI ZHURNAL: VODNYI TRANSPORT [JOURNAL OF ABSTRACTS: WATER TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, no.10, Oct. 1963. [This journal is also issued in parts.]

SUDOSTROENIE [SHIPBUILDING]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po sudostroeniiu and Nauchno-tekhnicheskoe obshchestvo sudostroitel'noi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for Shipbuilding and the Scientific Technological Society of the Shipbuilding Industry]. Leningrad, vol. 29, no. 8(250), Aug. 1963.

Table of contents translated:
Lavrent'ev, M.A., Favorov, P.A. - Aleksei Nikolaevich Krylov. p 1.
Pavlenko, G.E. - From personal recollections about Aleksei Nikolaevich Krylov. p.4.
From IU.A. Shimanskii's speech concerning Aleksei Nikolaevich Krylov. p.8
Bakhrakh, A.M. - A.N. Krylov's thoughts on certain aspects of organizing scientific and technological research. p.10.
Oichi-Oglu, N.I. - A.N. Krylov's public activity. p.13.
Girs, I.V. - A.N. Krylov's work in the experimental shipbuilding basin. p.16.
Chronicle of events in the life of Academician Aleksei Nikolaevich Krylov. p.20.
Chuvikovskii, V.S., Postnov, V.A. - Development of A.N. Krylov's ideas in the field of ship vibration. p.21.
Ashik, V.V. - Applying the method of least squares in the experimental determination of initial stability. p.24.
Lugovskii, V.V., Faddeev, IU.N. - Calculating the rolling of ships using the nomograms of a series of model experiments. p.26.
Kaganovich, L.A., Kasalainen, N.N. - Applying graphic analysis methods to calculations of thermal insulation. p.31.
Stefanovich, V.V. - Calculating the insulation of the inner bottom in refrigerator ships. p.33.
D'iachkov, M.A. - Determining stresses in the anchor chains of a floating dock resulting from the dynamic impact of wind and waves. p.34.
Bibliography. pp.36, 45, 51, 60, 64.

Prospects of using low-speed, high-power engines on ships. p.36.
Karas', V.Z. - Effect of controlling the pitch of a propeller on torsional vibrations in marine diesel engine shafts. p.39

Sobolev, L.G. - Errors in determining the time of start and acceleration of marine engines. p.43.
Okeanov, B.N., Aizenshtadt, E.B., Trofimov, B.A. - Using magnetic amplifiers in automatic control systems of electric propeller drives. p.46.

Kuz'menko, V.S. - Pulse-type, phase-shift torque meter. p.49.

Conducting in 1963 an All-Union inspection on the carrying out of plans for scientific research and introducing the achievements in science and technology into the national economy. p.77.
Stand for the readers of our journal. p.78
Fifth Congress of the Scientific Technological Society of the Shipbuilding Industry. p.79.

Bel'chuk, G.A. - Application of butt welds on a permanent steel padding. p.52.
Kravchenko, V.S. - Vibration of marine machine assemblies under the effect of noncoaxial shafts. p.54.
Krikunov, A.S. - Applications in shipbuilding of the All-Union State Standard, GOST 9235-59. p.61.
L'vov, A.I. - Selecting the type of a dock water gate. p.65.

Luchininov, S.T. - Academy of Sciences edition of A.N. Krylov's works. p.70.
Glagoleva, M.N., Zalesskii, N.A. - A.N. Krylov's study-museum. p.73.
Thirteenth Scientific Technological Conference on the Theory of Ship Construction dedicated to the One-hundredth anniversary of Academician A.N. Krylov's birth. p.75.

PART C

List of Periodicals Indexed and Abbreviations Used

† Titles listed for the first time

Agitator (6)	Agitator [Agitator]
Akush. i gin (14b)	Akusherstvo i ginekologiia [Obstetrics and Gynecology]
Antibiotiki (14f)	Antibiotiki [Antibiotics]
Arkhit. SSSR (10b)	Arkhitektura SSSR [Architecture of the U.S.S.R.]
Atom. energ. (16c)	Atomnaia energiia [Atomic Energy]
Atom. tekh. za rub. (16e)	Atomnaia tekhnika za rubezhom [Nuclear Engineering Abroad]
Av. i kosmon. (16b)	Aviatsiia i kosmonavtika [Aviation and Astronautics]
Avt. dor. (16d)	Avtomobil'nye dorogi [Highways]
Avt. prom. (16g)	Avtomobil'naia promyshlennost' [Automobile Industry]
Avt. transp. (16g)	Avtomobil'nyi transport [Automotive Transportation]
Avtom. svar. (16f)	Akademiia nauk URSR, Kiev. Instytut elektrozvariuvannia. Avtomaticheskaia svarka [Academy of Sciences of the Ukrainian S.S.R. Institute of Electric Welding. Automatic Welding]
Avtomatiz. otop. kot. (16g)	† Avtomatizatsiia otopitel'nykh kotel'nykh [Automation of Heating Boiler Rooms]
Avtomatyka (16c)	Avtomatyka [Automatic Control]
Az. i Afr. segodnia (11b)	Aziia i Afrika segodnia [Asia and Africa Today]
Azerb. neft. khoz. (16h)	Azerbaidzhanskoe neftianoe khoziaistvo [Azerbaijan Petroleum Industry]
Bibliotekoved. i bibl. (2b)	Bibliotekovedenie i bibliografiia; ukazatel' literatury [Library Science and Bibliography; an Index to the Literature]
Biol. v shkole (13c)	Biologiia v shkole [Biology in Schools]
Biul. Inst. teor. astron. (13b)	Akademiia nauk SSSR. Institut teoreticheskoi astronomii. Biulleten' [Academy of Sciences of the U.S.S.R. Institute of Theoretical Astronomy. Bulletin]
Biul. izobr. i tov. znak. (16a)	Biulleten' izobretenii i tovarnykh znakov [Bulletin on Inventions and Trademarks]
Biul. MOIP. Otd. biol. (13c)	Moskovskoe obshchestvo ispytatelei prirody. Biulleten'. Otdel biologicheskii [Moscow Naturalists' Society. Bulletin. Biological Section]
Biul. Min. vys. i sred. spets. obr. SSSR (8a)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Biulleten' [Ministry of Higher and Secondary Specialized Education. Bulletin]
Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. (16a)	Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut nauchnoi i tekhnicheskoi informatsii. Biulleten' tekhniko-ekonomicheskoi informatsii [State Scientific Research Institute for Scientific and Technical Information. Bulletin of Technical and Economic Information]
Biul. Verkh. Suda RSFSR (7)	Russia (1917- R.S.F.S.R.) Verkhovnyi Sud. Biulleten' [Supreme Court. Bulletin]
Biul. Vulk. sta. (12c)	Akademiia nauk SSSR. Kamchatskaia vulkanologicheskaia stantsiia. Biulleten' Vulkanologicheskoi stantsii [Academy of Sciences of the U.S.S.R. Kamchatka Volcanic Station. Bulletin of the Volcanic Station]
Bot. mat. Otd. spor. rast. (13c)	Akademiia nauk SSSR. Botanicheskii institut. Otdel sporovykh rastenii. Botanicheskie materialy [Academy of Sciences of the U.S.S.R. Botanical Institute. Section of Cryptogamic Plants. Botanical Materials]
Bot. zhur. (13c)	Botanicheskii zhurnal [Botanical Journal]
Brat. vest. (3b)	Bratskii vestnik [Herald of Brotherhood]
Den. i kred. (5c)	Den'gi i kredit [Money and Credit]
Der. prom. (16f)	Derevoobrabatyvaiushchaia promyshlennost' [Woodworking Industry]
Dokl. AN Arm. SSR (13a)	Akademiia nauk Armianskoi SSR, Erivan. Doklady [Academy of Sciences of the Armenian S.S.R. Reports]
Dokl. AN BSSR (13a)	Akademiia nauk BSSR, Minsk. Doklady [Academy of Sciences of the White Russian S.S.R. Reports]
Dokl. AN SSSR (13a)	Akademiia nauk SSSR. Doklady [Academy of Sciences of the U.S.S.R. Reports]
Dop. AN URSR (13a)	Akademiia nauk URSR, Kiev. Dopovidi [Academy of Sciences of the Ukrainian S.S.R. Reports]
Doshk. vosp. (8a)	Doshkol'noe vospitanie [Preschool Education]
Doshk. vykh. (8a)	Doshkil'ne vykhovannia [Preschool Education]
Ekon. Rad. Ukr. (5b)	Ekonomika Radians'koi Ukrainy [Economics of the Ukraine]
Ekon. stroi. (5b)	Ekonomika stroitel'stva [Economics of Construction]
Eksper. khir. i anest. (14h)	Eksperimental'naia khirurgiia i anesteziologiia [Experimental Surgery and Anesthesiology]
Elek. i tepl. tiaga (16g)	Elektricheskaia i teplovoznaia tiaga [Electric and Diesel Locomotive Traction]
Elek. sta. (16e)	Elektricheskie stantsii [Electric Power Stations]
Elektrichestvo (16e)	Elektrichestvo [Electricity]
Elektrosviaz' (16e)	Elektrosviaz' [Telecommunication]
Energ. i elektrotekh. prom. (16e)	Energetika i elektrotekhnicheskaia promyshlennost' [Power Engineering and the Electric Equipment Industry]
Energ. stroi. za rub. (16e)	Energeticheskoe stroitel'stvo za rubezhom; prilozhenie k sborniku "Energeticheskoe stroitel'stvo" [Power Construction in Foreign Countries; Supplement to the Periodical "Power Construction"]
Energetik (16e)	Energetik [Electric Power Technician]
Energokhoz. za rub. (16e)	Energokhoziaistvo za rubezhom; prilozhenie k zhurnalu "Elektricheskie stantsii" [Electric Power Utilization in Foreign Countries, Supplement to the Periodical "Electric Power Stations"]
Energomashinostroenie (16g)	Energomashinostroenie [Power Machinery Construction]
Epig. Vost. (4b)	Epigrafika Vostoka [Epigraphy of the Orient]
Ezhegod. knigi SSSR (2a)	Ezhegodnik knigi SSSR; sistematicheskii ukazatel' [Annual of Soviet Books; Classed Index]
Fiz. tver. tela (13f)	Fizika tverdogo tela [Solid State Physics]
Geod. i kart. (16a)	Geodeziia i kartografiia [Geodesy and Cartography]
Geol. i geofiz. (12c)	Geologiia i geofizika [Geology and Geophysics]
Geol. mest. red. elem. (12c)	Geologiia mestorozhdenii redkikh elementov [Geology of Rare-Element Deposits]
Geol. nefti i gaza (16h)	Geologiia nefti i gaza [The Geology of Petroleum and Gas]
Gidroliz. i lesokhim. prom. (16c)	Gidroliznaia i lesokhimicheskaia promyshlennost' [Hydrolysis and Wood Chemistry Industry]
Gor. zhur. (16h)	Gornyi zhurnal [Mining Journal]
Grud. khir. (14h)	Grudnaia khirurgiia [Thoracic Surgery]
Inform. bibl. Khir. (14h)	Akademiia meditsinskikh nauk SSSR, Moscow. Otdel nauchnoi meditsinskoi informatsii. Informatsionno-bibliograficheskii. Khirurgiia [Academy of Medical Sciences of the U.S.S.R. Department of Scientific Medical Information. Bibliography. Surgery]
Inform. bibl. Vnutr. bol. (14a)	Akademiia meditsinskikh nauk SSSR, Moscow. Otdel nauchnoi meditsinskoi informatsii. Informatsionno-bibliograficheskii. Vnutrennie bolezni [Academy of Medical Sciences of the U.S.S.R. Department of Scientific Medical Information. Bibliography. Internal Diseases]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V.I. Len. Ser. 1 (2a)	Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriia 1: Fiziko-matematicheskie, khimicheskie i geologo-geograficheskie nauki; tekhnika i tekhnicheskie nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical and Mathematical, Chemical, Geological, and Geographical Sciences; Technology and Technological Sciences]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V.I. Len. Ser. 2 (2a)	Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriia 2: Biologicheskie meditsinskie i sel'skokhoziaistvennye nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological, Medical, and Agricultural Sciences]

form.biul.nov inostr knig, postup.v Bibl. im. V.I.Len. Ser.3 (2a)	Moscow Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V I. Lenina Serila 3· Obshchestvennye nauki, khudozhestvennaia literatura, iskusstvo [Public Library Information Bulletin of New Foreign Books Received by the Lenin Library Series 3· Social Sciences, Belles-Lettres, Art]
form sbor. TSNIIMF. Mor pravo i prak. (7)	Leningrad TSentral'nyi nauchno-issledovatel'skii institut morskogo flota Informatsionnyi sbornik, Morskoe pravo i praktika [Central Scientific Research Institute of the Merchant Marine Information Bulletin Maritime Law and Practice]
form.sbor. TSNIIMF. Tekh. ekspl.mor.flota (17b)	Leningrad, TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. Informatsionnyi sbornik, Tekhnicheskaia ekspluatatsiia morskogo flota [Central Scientific Research Institute of the Merchant Marine. Information Bulletin, Operation and Maintenance of Merchant Ships]
form.ukaz.bibl. spis.i kart. (2a)	Informatsionnyi ukazatel' bibliograficheskikh spiskov i kartotek, sostavlennykh bibliotekami Sovetskogo Soiuza [Information Index of Bibliographical Lists and Card Files Compiled by the Libraries of the Soviet Union]
·str. iaz v shkole (11a)	Inostrannye iazyki v shkole [Foreign Languages in Schools]
zh. -fiz.zhur. (16a)	Inzhenerno-fizicheskii zhurnal [Journal of Engineering Physics]
·h. zhur. (16g)	Inzhenernyi zhurnal [Engineering Journal]
·kino (9a)	Iskusstvo kino [Cinema Art]
·-filol.zhur. (4a)	Akademiia nauk Armianskoi SSR, Erivan. Istoriko-filologicheskii zhurnal [Academy of Sciences of the Armenian S.S R. Historical and Philological Review]
·-mat issl (13e)	Istoriko-matematicheskie issledovaniia [Studies in the History of Mathematics]
·-mat.zbir. (13e)	Istoryko-matematychnyi zbirnyk [Collected Papers on the History of Mathematics]
·tekh. (16a)	IUnyi tekhnik [Young Technician]
·tekh. (16a)	Izmeritel'naia tekhnika [Measurement Techniques]
AN Arm.SSR. Sr.tekh.nauk (16a)	Akademiia nauk Armianskoi SSR, Erivan. Izvestiia, Seriia tekhnicheskikh nauk [Academy of Sciences of the Armenian S S, R. Bulletin, Series in the Technological Sciences]
AN Azerb. SR. Ser.fiz.-mat.i tekh. nauk (1a)	Akademiia nauk Azerbaidzhanskoi SSR, Baku. Izvestiia, Seriia fiziko-matematicheskikh i tekhnicheskikh nauk [Academy of Sciences of the Azerbaijan S. S. R. Bulletin. Series in the Physical, Mathematical, and Technological Sciences]
AN Est SSR. Sr.fiz.-mat i kh.nauk (1a)	Eesti NSV Teaduste Akadeemia. Toimetised. Fuusikalis-matemaatilliste ja tehniliste teaduste seeria Izvestiia Akademii nauk Estonskoi SSR. Seriia fiziko-matematicheskikh i tekhnicheskikh nauk [Academy of Sciences of the Estonian S.S.R. Bulletin. Series in the Physical, Mathematical, and Technical Sciences]
AN Kazakh. R. Ser.med. uk (14a)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Izvestiia. Seriia meditsinskikh nauk [Academy of Sciences of the Kazakh S S, R. Bulletin, Series in the Medical Sciences]
AN Kir.SSR. r.est.i tekh. uk (1a)	Akademiia nauk Kirgizskoi SSR, Frunze. Izvestiia, Seriia estestvennykh i tekhnicheskikh nauk [Academy of Sciences of the Kirghiz S S.R Bulletin Series in the Natural and Technological Sciences]
AN Kir.SSR. r. obshchestv. uk (1a)	Akademiia nauk Kirgizskoi SSR, Frunze. Izvestiia, Seriia obshchestvennykh nauk [Academy of Sciences of the Kirghiz S.S.R. Bulletin. Series in the Social Sciences]
AN SSSR Otd ch. nauk Met or. delo (16h)	Akademiia nauk SSSR Izvestiia Metallurgiia i gornoe delo [Academy of Sciences of the U S S R Bulletin Metallurgy and Mining]
AN SSSR, Ser. . (13f)	Akademiia nauk SSSR, Izvestiia, Seriia fizicheskaia [Academy of Sciences of the U. S, S, R, Bulletin, [Physical Series]
N SSSR Ser. fiz. (13f)	Akademiia nauk SSSR. Izvestiia. Seriia geofizicheskaia [Academy of Sciences of the U,S,S,R. Bulletin. Geophysical Series]
AN SSSR.Ser. ge. (12b)	Akademiia nauk SSSR. Izvestiia. Seriia geograficheskaia [Academy of Sciences of the U.S.S.R. Bulletin. Geographical Series]
AN SSSR, Ser. ol. (12c)	Akademiia nauk SSSR. Izvestiia. Seriia geologicheskaia [Academy of Sciences of the U, S, S, R. Bulletin, Geological Series]
N Turk. r. Ser. hchestv. k (1a)	Akademiia nauk Turkmenskoi SSR, Ashkhabad. Izvestiia. Seriia obshchestvennykh nauk [Academy of Sciences of the Turkmen S.S.R. Bulletin. Series in the Social Sciences]
rym. astrofiz. er. (13b)	Akademiia nauk SSSR. Krymskaia astrofizicheskaia observatoriia. Izvestiia [Academy of Sciences of the U, S, S, R, Crimean Astrophysical Observatory, Bulletin]
AN SSSR, khim. nauk 3d)	Akademiia nauk SSSR. Sibirskoe otdelenie, Izvestiia, Seriia khimicheskikh nauk [Academy of Sciences of the U, S, S, R, Siberian Department, Bulletin. Series in the Chemical Sciences]
ib. otd. AN R (1a)	Akademiia nauk SSSR. Sibirskoe otdelenie. Izvestiia, [Academy of Sciences of the U. S, S, R, Siberian Department, Bulletin]
SKHA 15a)	Moscow. Moskovskaia sel'skokhoziaistvennaia akademiia im. Timiriazeva. Izvestiia [Timiriazev Agricultural Academy of Moscow. Bulletin]
Izv.vys.ucheb. zav., av tekh (16b)	Russia (1923- U S S R) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia Izvestiia vysshikh uchebnykh zavedenii, aviatsionnaia tekhnika [Ministry of Higher and Secondary Specialized Education Bulletin of the Institutions of Higher Learning, Aviation Engineering]
Izv.vys ucheb. zav.,gor zhur. (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, gornyi zhurnal [Ministry of Higher and Secondary Specialized Education Bulletin of the Institutions of Higher Learning, Mining Journal]
Izv.vys.ucheb. zav., mashinostr. (16g)	Russia (1923- U.S.S R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; mashinostroenie [Ministry of Higher and Secondary Specialized Education Bulletin of the Institutions of Higher Learning; Machine Building]
Izv.vys.ucheb. zav.;mat (13e)	Russia (1923- U.S.S R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia Izvestiia vysshikh uchebnykh zavedenii, matematika [Ministry of Higher and Secondary Specialized Education Bulletin of the Institutions of Higher Learning, Mathematics]
Izv vys.ucheb. zav ;neft' i gaz (16h)	Russia (1923- U S S R) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia Izvestiia vysshikh uchebnykh zavedenii, neft' i gaz [Ministry of Higher and Secondary Specialized Education Bulletin of the Institutions of Higher Learning, Petroleum and Gas]
Izv vys ucheb zav.; tekh leg prom. (16f)	Russia (1923- U.S S R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia Izvestiia vysshikh uchebnykh zavedenii; tekhnologiia legkoi promyshlennosti [Ministry of Higher and Secondary Specialized Education Bulletin of the Institutions of Higher Learning; Technology of Light Industry]
Kal,znam i pam. dat (4a)	Kalendar' znamenatel'nykh i pamiatnykh dat [Calendar of Significant and Memorable Dates]
Kauch.i rez. (16c)	Kauchuk i rezina [Crude and Vulcanized Rubber]
Khim.,sist.uk.st. v inostr.zhur. (13d)	Moscow Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury. Khimiia; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [All-Union State Library of Foreign Literature. Chemistry, Classed Index of Articles in Foreign Periodicals]
Khim.i tekh topl. i masel (16c)	Khimiia i tekhnologiia topliv i masel [Chemistry and Technology of Fuel and Oil]
Khim. mashinostr. (16c)	Khimicheskoe mashinostroenie [Chemical Machinery Manufacture]
Khim.volok. (16c)	Khimicheskie volokna [Synthetic Fibers]
Khleb.i kond. prom. (16f)	Khlebopekarnaia i konditerskaia promyshlennost' [Baking and Confectionery Industry]
Knizh.let. (2a)	Knizhnaia letopis' [Book Chronicle]
Koks i khim. (16c)	Koks i khimiia [Coke and Chemistry]
Koll.zhur. (13d)	Kolloidnyi zhurnal [Colloid Journal]
Komm.Bel. (6)	Kommunist Belorussii [Communist of White Russia]
Komm.Mold. (6)	Kommunist Moldavii [Communist of Moldavia]
Komm. Vooruzh. Sil (17a)	Kommunist Vooruzhennykh Sil [Communist of the Armed Forces]
Koop.Kazakh. (6a)	Kooperator Kazakhstana [The Cooperative Worker of Kazakhstan]
Kristallografiia (13f)	Kristallografiia [Crystallography]
Kul't.i zhizn' (1b)	Kul'tura i zhizn' [Culture and Life]
Lakokras. mat. i ikh prim. (16c)	Lakokrasochnye materialy i ikh primenenie [Lacquer and Paint Materials and Their Use]
Les.khoz. (15c)	Lesnoe khoziaistvo [Forestry]
Les.prom. (15c)	Lesnaia promyshlennost' [Forest Industries]
Let.gazet.st. (2a)	Letopis' gazetnykh statei [Chronicle of Newspaper Articles]
Let muz lit (9b)	Letopis' muzykal'noi literatury [Chronicle of Musical Literature]
Let.zhur.st. (2a)	Letopis' zhurnal'nykh statei [Chronicle of Periodical Articles]
Lit.i isk.nar. SSSR i zarub. stran (11b)	Literatura i iskusstvo narodov SSSR i zarubezhnykh stran [Literature and Art of the Peoples of the U, S, S, R, and Foreign Countries]
Lit.proizv. (16h)	Litoinoe proizvodstvo [Foundry Practice]
Mash.perev.i prikl.ling. (11a)	Moscow. Moskovskii gosudarstvennyi pedagogicheskii institut inostrannykh iazykov. Mashinnyi perevod i prikladnaia lingvistika [Moscow State Pedagogical Institute of Foreign Languages, Machine Translation and Applied Linguistics]
Mashinostroitel' (16g)	Mashinostroitel' [Machine Builder]
Masl.-zhir.prom. (16c)	Maslobolno-zhirovaia promyshlennost' [Oils and Fats Industry]
Mat.i dosl.z arkheol.Prikarp. i Vol. (4b)	Materialy i doslidzhennia z arkheologii Prikarpattia i Volyni [Materials and Research in the Archaeology of Ciscarpathia and Volhynia]

838 O - 64 - 9

Mat Kom po land kart (12b)	[Geograficheskoe obshchestvo SSSR Otdelenie fizicheskoi geografii. Komissiia po landshaftnym kartam. Materialy [Geographical Society of the U.S.S.R. Department of Physical Geography Committee on Landscape Maps Materials]
Mat po etn Gruz (12a)	Akademiia nauk Gruzinskoi SSR, Tiflis. Institut istorii Materialy po etnografii Gruzii [Academy of Sciences of the Georgian S.S.R. Institute of History Materials on the Ethnography of Georgia]
Mat. po geol Zap Sib. (12c)	Materialy po geologii Zapadnoi Sibiri [Materials on the Geology of Western Siberia]
Mat. sbor. (13e)	Matematicheskii sbornik [Mathematical Review]
Mat z etn. ta mystetstvoznav. (10d)	[Lvov. Ukrains'kyi derzhavnyi muzei etnografii ta khudozhn'oho promyslu Materialy z etnografii ta mystetstvoznavstva [Ukrainian State Museum of Ethnography and the Art Industries. Materials on Ethnography and Art]
Matematika (13e)	Matematika, periodicheskii sbornik perevodov inostrannykh statei [Mathematics, Translations of Foreign Articles]
Med, paraz. i paraz. bol. (14a)	Meditsinskaia parazitologiia i parazitarnye bolezni [Medical Parasitology and Parasitogenic Diseases]
Med. rad (14a)	Meditsinskaia radiologiia [Medical Radiology]
Med. sestra (14g)	Meditsinskaia sestra [Medical Nurse]
Mekh. i avtom. proizv. (16g)	Mekhanizatsiia i avtomatizatsiia proizvodstva [Mechanization and Automation of Production]
Mekh i avtom v gor. prom (16g)	Mekhanizatsiia i avtomatizatsiia v gornoi promyshlennosti [Mechanization and Automation in Mining]
Mekh sil' hosp (15a)	Mekhanizatsiia sil's'koho hospodarstva [Mechanization of Agriculture]
Mekh. stroi. (16d)	Mekhanizatsiia stroitel'stva [Mechanization of Construction]
Mekhanika (16g)	Mekhanika, periodicheskii sbornik perevodov inostrannykh statei [Mechanics, Translations of Foreign Articles]
Mest. prom. i khud promys. (16f)	Mestnaia promyshlennost' i khudozhestvennye promysly [Local Industry and Art Trades]
Metalloved i term obr. met. (16h)	Metallovedenie i termicheskaia obrabotka metallov [Metals and Heat Treatment of Metals]
Metallurg (16h)	Metallurg [Metallurgist]
Meteor i gidrol. (13f)	Meteorologiia i gidrologiia [Meteorology and Hydrology]
Mezhdunar. zhizn' (6)	Mezhdunarodnaia zhizn' [International Life]
Miasn. ind. SSSR (16f)	Miasnaia industriia SSSR [Meat Industry of the U.S.S.R.]
Min. sbor. (12c)	Mineralogicheskii sbornik [Mineralogical Review]
Mir. ekon. i mezhdunar. otn. (5b)	Mirovaia ekonomika i mezhdunarodnye otnoshenia [World Economics and International Relations]
Mol. komm. (6)	Molodoi kommunist [The Young Communist]
Mor. flot (17b)	Morskoi flot [The Merchant Marine]
Mor. sbor. (17b)	Morskoi sbornik; zhurnal Voenno-Morskogo Flota Soiuza SSR [Naval Review, Magazine of the Soviet Navy]
NTI (16a)	Moscow. Vsesoiuznyi institut nauchnoi i tekhnicheskoi informatsii. Nauchno-tekhnicheskaia informatsiia [All-Union Institute of Scientific and Technical Information. Scientific and Technical Information]
NTO (18a)	Vsesoiuznyi sovet nauchno-tekhnicheskikh obshchestv. Nauchno-tekhnicheskie obshchestva SSSR [All-Union Council of Scientific Technological Societies. Scientific Technological Societies of the U.S.S.R.]
Nach. shkola (9a)	Nachal'naia shkola [Primary School]
	Kazakhstana [The National Economy
	[The National Economy
Nauch zap. Zapor gos ped inst (1a)	[Zaporozh'ye Derzhavnyi pedagogichnyi instytut. Naukovi zapiski [State Pedagogical Institute Studies]
Nauk pratsi Ukr dosl sta. khmel. (15d)	[Ukrains'ka doslidna stantsiia khmeliarstva. Naukovi pratsi [Ukrainian Hop Growing Experiment Station. Studies]
Nauk pratsi Ukr. nauk -dosl inst zem. (15d)	Kiev Ukrains'kyi naukovo-doslidnyi instytut zemlerobstva Naukovi pratsi [Ukrainian Scientific Research Institute of Agriculture. Studies]
Nauka i rel. (3b)	Nauka i religiia [Science and Religio]
Nauka i zhizn' (13a)	Nauka i zhizn' [Science and Life]
Nauka i zhyttia (13a)	Nauka i zhyttia [Science and Life]
Neftepererab. i neftekhim. (16h)	Neftepererabotka i neftekhimiia [Petroleum Refining and Petroleum Chemistry]
Neftepromysl. delo (16h)	Neftepromyslovoe delo [Petroleum Production]
Neftianik (16h)	Neftianik [The Petroleum Worker]
Nov. kar. i spel. (12c)	Novosti karstovedeniia i speleologii [New Developments in Speleology and the Study of Karst Phenomena]
Nov. knigi; bibl. ezhened. (2a)	Novye knigi, bibliograficheskii ezhenedel'nik [New books, Bibliographical Weekly]
Nov. knigi SSSR (2a)	Novye knigi SSSR [New Books of the U.S.S.R.]
Nov. knigi za rub. Ser. A (13a)	Novye knigi za rubezhom. Seriia A. Matematika, mekhanika, astronomiia, fizika, geofizika, khimiia, geologiia [New Foreign Books. Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology]
Nov. knigi za rub. Ser. B (16a)	Novye knigi za rubezhom. Seriia B: Tekhnika [New Foreign Books. Series B: Technology]
Nov. knigi za rub. Ser. V (2a)	Novye knigi za rubezhom. Seriia V. Biologiia, meditsina, sel'skoe khoziaistvo [New Foreign Books. Series V: Biology, Medicine, Agriculture]
Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn (2a)	Novye knigi za rubezhom po obshchestvennym naukam, ekonomika, filosofiia, istoriia, mezhdunarodnye otnoshenia [New Foreign Books on the Social Sciences, Economics, Philosophy, History, International Relations]
Nov. tov. (5a)	Novye tovary; informatsionnyi biulleten' [New Consumer Goods; Information Bulletin]
Nov. vrem. (6)	Novoe vremia [New Times]
Obshch. energ. (16e)	Obshchaia energetika [General Power Engineering]
Obshchestv. pit. (16f)	Obshchestvennoe pitanie [Public Food Service]
Och po ist. geol. znan. (12c)	Ocherki po istorii geologicheskikh znanii [Studies in the History of Geological Science]
Ogneupory (16h)	Ogneupory [Refractories]
Ogonek (1b)	Ogonek [The Little Light]
Okhr. truda i sots. strakh (5d)	Okhrana truda i sotsial'noe strakhovanie [Protection of Labor and Social Insurance]
Opt. i spektr. (13f)	Optika i spektroskopiia [Optics and Spectroscopy]
Ortop., travm. i protez. (14h)	Ortopediia, travmatologiia i protezirovanie [Orthopedics, Traumatology, and Prosthesis]
Osn., fund. i mekh. grun. (16d)	Osnovaniia, fundamenty i mekhanika gruntov [Foundations and Soil Mechanics]
Paleont. zhur. (12c)	Paleontologicheskii zhurnal [Paleontological Journal]
Part. zhizn' (6)	Partiinaia zhizn' [Party Life]
Pat. fiziol. i eksp. terap. (14e)	Patologicheskaia fiziologiia i eksperimental'naia terapiia [Pathological Physiology and Experimental Therapy]
Pediatriia (14b)	Pediatriia [Pediatrics]
Plan. khoz. (5b)	Planovoe khoziaistvo [Planned Economy]
Plast. massy (16c)	Plasticheskie massy [Plastics]
Pochvovedenie (15a)	Pochvovedenie [Soil Science]
Polit. samoobr. (6)	Politicheskoe samoobrazovanie [Political Self-Education]
Porosh. met. (16h)	Poroshkovaia metallurgiia [Powder Metallurgy]
Pozh. delo (16d)	Pozharnoe delo [Fire Fighting]
Pred. dop. kontsent. atmosf. zagr. (14a)	Predel'no-dopustimye kontsentratsii atmosfernykh zagriaznenii [Maximum Permissible Concentrations of Atmospheric Pollution]
Prikl. geofiz. (16h)	Prikladnaia geofizika [Applied Geophysics]
Prikl. mat. i mekh. (13e)	Prikladnaia matematika i mekhanika [Applied Mathematics and Mechanics]
Prof.-tekh. obr. (18a)	Professional'no-tekhnicheskoe obrazovanie [Vocational Technical Education]
Prom. energ. (16e)	Promyshlennaia energetika [Industrial Power]
Prom. stroi. (16d)	Promyshlennoe stroitel'stvo [Industrial Construction]

Prykl mekh. (16g)	Prykladna mekhanika [Applied Mechanics]
Put' i put. khoz. (16d)	Put' i putevoe khoziaistvo [Railroad Tracks and Roadway Maintenance]
Rad. lit. (11b)	Radians'ke literaturoznavstvo [Soviet Literary Review]
Rad. pravo (7)	Radians'ke pravo [Soviet Law]
Rad. shk. (8a)	Radians'ka shkola [Soviet School]
Radiokhimiia (13d)	Radiokhimiia [Radiochemistry]
Radiotekh. i elektron. (16e)	Radiotekhnika i elektronika [Radio Engineering and Electronics]
Radiotekhnika (16e)	Radiotekhnika [Radio Engineering]
Razved i okhrana nedr (16h)	Razvedka i okhrana nedr [Prospecting and Conservation of Mineral Resources]
Rech. transp. (17b)	Rechnoi transport [Inland Water Transportation]
Ref. sbor. Ekon. prom. (5b)	Referativnyi sbornik: Ekonomika promyshlennosti [Journal of Abstracts: Economics of Industry]
Ref. zhur. : Av. i raket. dvig (16b)	Referativnyi zhurnal: Aviatsionnye i raketnye dvigateli (Otdel'nyi vypusk 34) [Journal of Abstracts. Aircraft and Rocket Engines (Separate Issue 34)]
Ref. zhur. : Avt. dor. (18d)	Referativnyi zhurnal: Avtomobil'nye dorogi [Journal of Abstracts: Highways]
Ref. zhur. : Avt. i gor. transp. (16g)	Referativnyi zhurnal: Avtomobil'nyi i gorodskoi transport [Journal of Abstracts: Automotive and City Transportation]
Ref. zhur. : Biol. (13c)	Referativnyi zhurnal: Biologiia [Journal of Abstracts. Biology]
Ref. zhur. : Biol. khim (13c)	Referativnyi zhurnal: Biologicheskaia khimiia (Otdel'nyi vypusk 30f) [Journal of Abstracts: Biochemistry (Separate Issue 30f)]
Ref. zhur. : Dvig. vnutr. sgor. (16g)	Referativnyi zhurnal: Dvigateli vnutrennogo sgoraniia (Otdel'nyi vypusk 39) [Journal of Abstracts: Internal-Combustion Engines (Separate Issue 39)]
Ref. zhur. : Elek. i ee prim. (16e)	Referativnyi zhurnal: Elektronika i ee primenenie [Journal of Abstracts. Electronics and its applications]
Ref. zhur. : Elektrotekh i energ (16e)	Referativnyi zhurnal: Elektrotekhnika i energetika [Journal of Abstracts. Electrical Engineering and Electric Power]
Ref. zhur. : Farm. Toks. (14f)	Referativnyi zhurnal: Farmakologiia. Toksikologiia (Otdel'nyi vypusk 54) [Journal of Abstracts. Pharmacology. Toxicology (Separate Issue 54)]
Ref. zhur. : Fiz. (13f)	Referativnyi zhurnal: Fizika [Journal of Abstracts: Physics]
Ref. zhur. : Fotokinotekh. (16g)	Referativnyi zhurnal. Fotokinotekhnika (Otdel'nyi vypusk 46) [Journal of Abstracts: Photographic and Motion-Picture Equipment (Separate Issue 46)]
Ref. zhur. : Geod. (13b)	Referativnyi zhurnal: Geodeziia (Otdel'nyi vypusk 52) [Journal of Abstracts: Geodesy (Separate Issue 52)]
Ref. zhur. : Geol. (12c)	Referativnyi zhurnal: Geologiia [Journal of Abstracts Geology]
Ref. zhur. : Gor. delo (16h)	Referativnyi zhurnal: Gornoe delo [Journal of Abstracts: Mining]
Ref. zhur. : Gor., stroit. i dor. mashinostr. (16g)	Referativnyi zhurnal: Gornoe, stroitel'noe i dorozhnoe mashinostroenie (Otdel'nyi vypusk 43) [Journal of Abstracts: Manufacture of Mining Machinery, Construction Equipment, and Road Machinery (Separate Issue 43)]
Ref. zhur. : IAd. reak. (16c)	Referativnyi zhurnal: IAdernye reaktory (Otdel'nyi vypusk 50) [Journal of Abstracts. Nuclear Reactors (Separate Issue 50)]
Ref. zhur. : Khim. (13d)	Referativnyi zhurnal. Khimiia [Journal of Abstracts: Chemistry]
Ref. zhur. : Khim. khol. mashinostr. (16c)	Referativnyi zhurnal: Khimicheskoe i kholodil'noe mashinostroenie (Otdel'nyi vypusk 47) [Journal of Abstracts: Chemical and Refrigeration Machinery Manufacture (Separate Issue 47)]
Ref. zhur. : Kommun., byt. i org. obor. (16g)	Referativnyi zhurnal: Kommunal'noe, bytovoe i torgovoe oborudovanie (Otdel'nyi vypusk 33) [Journal of Abstracts: Communal, Household, and Commercial Equipment (Separate Issue 33)]
Ref. zhur. : Kotlostr. (16g)	Referativnyi zhurnal: Kotlostroenie (Otdel'nyi vypusk 42) [Journal of Abstracts: Boiler Manufacture (Separate Issue 42)]
Ref. zhur. : Leg. prom. (16f)	Referativnyi zhurnal: Legkaia promyshlennost' [Journal of Abstracts: Light Industry]
Ref. zhur. : Mashinostroit. mat., konstr. i rasch. det. mash. (16g)	Referativnyi zhurnal: Mashinostroitel'nye materialy, konstruktsii i raschet detalei mashin (Otdel'nyi vypusk 48) [Journal of Abstracts. Materials for Machinery Manufacture and the Design of Machine Parts (Separate Issue 48)]
Ref. zhur. : Mat. (3e)	Referativnyi zhurnal: Matematika [Journal of Abstracts: Mathematics]
Ref. zhur. : Met. (8h)	Referativnyi zhurnal: Metallurgiia [Journal of Abstracts: Metallurgy]
Ref. zhur. : Ob. pr. pat. Onk. (14e)	Referativnyi zhurnal. Obshchie voprosy patologii. Onkologiia (Otdel'nyi vypusk 53) [Journal of Abstracts: General Problems of Pathology. Oncology (Separate Issue 53)]
Ref. zhur. : Pishch. mashinostr. (16g)	Referativnyi zhurnal: Pishchevoe mashinostroenie (Otdel'nyi vypusk 38) [Journal of Abstracts: Food Machinery Manufacture (Separate Issue 38)]
Ref. zhur. : Pochv. (15a)	Referativnyi zhurnal: Pochvovedenie (Otdel'nyi vypusk 57) [Journal of Abstracts: Soil Science (Separate Issue 57)]
Ref. zhur. Prom. transp. (16g)	Referativnyi zhurnal: Promyshlennyi transport [Journal of Abstracts: Industrial Transportation]
Ref. zhur. : Radiotekh. i elektrosviaz'	Referativnyi zhurnal: Radiotekhnika i elektrosviaz' [Journal of Abstracts: Radio Engineering and Telecommunication]
Ref. zhur : Raketostr. (16b)	Referativnyi zhurnal: Raketostroenie (Otdel'nyi vypusk 41) [Journal of Abstracts: Rocket Building (Separate Issue 41)]
Ref. zhur Rast. (15d)	Referativnyi zhurnal: Rastenievodstvo (Otdel'nyi vypusk 55) [Journal of Abstracts Plant Culture (Separate Issue 55)]
Ref. zhur. : Tekh. i obor. buma-godel. i poligr. proizv. (16g)	Referativnyi zhurnal: Tekhnologiia i oborudovanie bumagodelatel'nogo i poligraficheskogo proizvodstva (Otdel'nyi vypusk 37) [Journal of Abstracts: Technology and Equipment of the Papermaking and Printing Industry (Separate Issue 37)]
Ref. zhur. Tekh. mashinostr. (16g)	Referativnyi zhurnal Tekhnologiia mashinostroeniia [Journal of Abstracts: Technology of Machinery Manufacture]
Ref. zhur. Teploenerg. (16g)	Referativnyi zhurnal: Teploenergetika [Journal of Abstracts. Heat Engineering]
Ref. zhur. Turbostr. (16g)	Referativnyi zhurnal Turbostroenie (Otdel'nyi vypusk 49) [Journal of Abstracts Turbine Manufacture (Separate Issue 49)]
Ref. zhur. : Vod. transp. (17b)	Referativnyi zhurnal: Vodnyi transport [Journal of Abstracts: Water Transportation]
Ref. zhur. : Vop. tekh. prog. i org. proizv. v mashinostr. (16g)	Referativnyi zhurnal: Voprosy tekhnicheskogo progressa i organizatsii proizvodstva v mashinostroenii (Otdel'nyi vypusk 35) [Journal of Abstracts: Problems of Technological Progress and the Organization of Production in the Machinery Industry (Separate Issue 35)]
Ref. zhur. : Vozd. transp. (16b)	Referativnyi zhurnal: Vozdushnyi transport [Journal of Abstracts: Air Transportation]
Ref. zhur. : Zhel. dor. transp. (16g)	Referativnyi zhurnal: Zheleznodorozhnyi transport [Journal of Abstracts: Railroad Transportation]
Rez. nabl. sov. isk. sput. Zem. (13b)	Akademiia nauk SSSR. Institut teoreticheskoi astronomii. Rezul'taty nabliudenii sovetskikh iskusstvennykh sputnikov Zemli [Academy of Sciences of the U.S.S.R. Institute of Theoretical Astronomy. Results of Observations of Soviet Artificial Earth Satellites]
Sbor. DonUGI (16h)	Donetsk. Nauchno-issledovatel'skii ugol'nyi institut. Sbornik [Scientific Research Coal Institute. Papers]
Sbor. Muz. ant. i etn. (12a)	Akademiia nauk SSSR. Muzei antropologii i etnografii. Sbornik [Academy of Sciences of the U.S.S.R. Museum of Anthropology and Ethnography. Annals]
Sbor st. LITMO (16g)	Leningrad. Institut tochnoi mekhaniki i optiki. Sbornik statei [Institute of Precision Mechanics and Optics. Papers]
Sbor trud Gruz zootekh - vet nauch - issl inst (15b)	Tiflis. Gruzinskii zooteknicheskio veterinarnyi nauchno-issledovatel'skii institut. Sbornik trudov [Georgian Zootechnical and Veterinary Scientific Research Institute. Papers]
Sbor. trud. NII po stroi. ASiA [Sverd.] (16d)	Akademiia stroitel'stva i arkhitektury SSSR. Institut po stroitel'stvu, Sverdlovsk. Sbornik trudov [Academy of Construction and Architecture of the U.S.S.R. Institute for Construction. Papers]
Sbor. trud. TSNIICHM (16h)	Moscow. TSentral'nyi nauchno-issledovatel'skii institut chornoi metallurgii. Sbornik trudov [Central Scientific Research Institute of Ferrous Metallurgy. Papers]
Sel'. khoz. (15a)	Sel'skoe khoziaistvo; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [Agriculture; Classed Index of Articles in Foreign Periodicals]
Sem'ia i shkola (8a)	Sem'ia i shkola [Family and School]
Shakht. stroi. (16h)	Shakhtnoe stroitel'stvo [Mine Construction]
Shkola i proizv. (8a)	Shkola i proizvodstvo [School and Industry]
Shkola-int. (8a)	Shkola-internat [Boarding School]
Smena (5e)	Smena [The Younger Generation]
Sots trud (5d)	Sotsialisticheskii trud [Socialist Labor]
Sots. zakon. (7)	Sotsialisticheskaia zakonnost' [Socialist Legality]
Sov. deput. trud. (6)	Sovety deputatov trudiashchikhsia [Soviets of Workers' Deputies]
Sov. foto (18a)	Sovetskoe foto [The Soviet Photograph]
Sov. gos. i pravo (7)	Sovetskoe gosudarstvo i pravo [The Soviet State and Law]
Sov. iust. (7)	Sovetskaia iustitsiia [Soviet Justice]
Sov. knizh. torg. (2c)	Sovetskaia knizhnaia torgovlia [Soviet Book Trade]
Sov. Kras. krest (6a)	Sovetskii Krasnyi krest [Soviet Red Cross]
Sov. pech. (11b)	Sovetskaia pechat' [Soviet Press]
Sov. pedag. (8a)	Sovetskaia pedagogika [Soviet Pedagogy]
Sov. potreb. koop. (5a)	Sovetskaia potrebitel'skaia kooperatsiia [Soviet Consumer Cooperation]

Sov. profsoiuzy (5d)	Sovetskie profsoiuzy [Soviet Trade Unions]
Sov. torg (5a)	Sovetskaia torgovlia [Soviet Commerce]
Sov. voin (17a)	Sovetskii voin [Soviet Soldier]
Sovr. Mong (1b)	Sovremennaia Mongoliia [Contemporary Mongolia]
Spirt. prom. (16c)	Spirtovaia promyshlennost' [Distilling Industry]
Sred. spets obr (8a)	Srednee spetsial'noe obrazovanie [Secondary Specialized Education]
Sred. veka (4a)	Akademiia nauk SSSR. Institut Istorii, Srednie veka [Academy of Sciences of the U.S.S.R. Institute of History. The Middle Ages]
Stal' (16h)	Stal' [Steel]
Stan i instr (16g)	Stanki i instrument [Machine Tools and Their Cutting Tools]
Stand i tip prog dlia mash. "Strela-3" (13e)	Akademiia nauk SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy dlia mashiny "Strela-3" [Academy of Sciences of the U.S.S.R. Computation Center. Standard Programs for the "Strela-3" Computer]
Standartizatsiia (18a)	Standartizatsiia [Standardization]
Starsh. — serzh (17a)	Starshina - serzhant [Noncommissioned Officers]
Stek. i ker (16c)	Steklo i keramika [Glass and Ceramics]
Stroi. mat (16d)	Stroitel'nye materialy [Building Materials]
Sud.-med ekspert (14a)	Sudebno-meditsinskaia ekspertiza [Forensic Medicine Expertise]
Sudostroenie (17b)	Sudostroenie [Shipbuilding]
Svar. proizv. (16f)	Svarochnoe proizvodstvo [Welding Practice]
Svetotekhnika (16e)	Svetotekhnika [Lighting Engineering]
Svod biul. nov. inostr. knig. Ser. A (2a)	Svodnyi biulleten' novykh inostrannykh knig, postupivshikh v biblioteki SSSR. Seriia A. Estestvennye nauki, meditsina, sel'skoe khoziaistvo, tekhnika [Union List of New Foreign Books Received by the Libraries of the U.S.S.R. Series A. Natural Sciences, Medicine, Agriculture, Technology]
Tekh. kino i telev (9a)	Tekhnika kino i televidenila [Motion-Picture and Television Engineering]
Tekh. v sel'khoz. (15a)	Tekhnika v sel'skom khoziaistve [Machinery in Agriculture]
Tekst. prom. (16f)	Tekstil'naia promyshlennost' [Textile Industry]
Teor. i prak. fiz. kul't. (8b)	Teoriia i praktika fizicheskoi kul'tury [Theory and Practice of Physical Education]
Teploenergetika (16g)	Teploenergetika [Heat Engineering]
Teplofiz. vys. temp. (13f)	Teplofizika vysokikh temperatur [Thermophysics of High Temperatures]
Terap. arkh. (14e)	Terapevticheskii arkhiv [Therapeutic Archives]
Torf. prom. (16h)	Torfianaia promyshlennost' [Peat Industry]
Torg. za rub. (5a)	Torgovlia za rubezhom [Trade Abroad]
Trakt. i sel'khoz.-mash. (16g)	Traktory i sel'khozmashiny [Tractors and Agricultural Machinery]
Trudy AANII (12b)	Leningrad. Arkticheskii i antarkticheskii nauchno-issledovatel'skii institut. Trudy [Arctic and Antarctic Scientific Research Institute. Transactions]
Trudy Alma-At. bot. sada (13c)	Alma-Ata. Botanicheskii sad. Trudy [Botanical Garden. Transactions]
Trudy Azerb. nauch.-issl. inst. zem. (15d)	Azerbaidzhanskii nauchno-issledovatel'skii institut zemledeliia. Trudy [Azerbaijan Scientific Research Institute of Agriculture. Transactions]
Trudy Bot. inst. Ser. 5 (13c)	Akademiia nauk SSSR. Botanicheskii institut. Trudy. Seriia 5. Rastitel'noe syr'e [Academy of Sciences of the U.S.S.R. Botanical Institute. Transactions. Series 5. Plant Resources]
Trudy DIIT (15g)	Dnepropetrovsk. Institut inzhenerov zheleznodorozhnogo transporta. Trudy [Institute of Railroad Transportation Engineers. Transactions]
Trudy Dush. med. inst. (14a)	Dushanbe. Gosudarstvennyi meditsinskii institut. Trudy [State Medical Institute. Transactions]
Trudy Fiz. inst. (13f)	Akademiia nauk SSSR. Fizicheskii institut. *Trudy* [Academy of Sciences of the U.S.S.R. Institute of Physics. Transactions]
Trudy GIN (12c)	Akademiia nauk SSSR. Geologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Geological Institute. *Transactions*]
Trudy Gos. bibl. SSSR (2b)	Moscow. Publichnaia biblioteka. Trudy [Public Library. Transactions]
Trudy IGEM (12c)	Akademiia nauk SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy [Academy of Sciences of the U.S.S.R. Institute of the Geology of Ore Deposits, Petrology, Mineralogy, and Geochemistry. Transactions]
Trudy IIAL AN Turk. SSR (11a)	Akademiia nauk Turkmenskoi SSR, Ashkhabad. Institut iazyka i literatury. Trudy [Academy of Sciences of the Turkmen S.S.R. Institute of Language and Literature. *Transactions*]
Trudy IML. Turk. fil. (6)	Ashkhabad. Institut istorii partii. Trudy [Institute of the History of the Party. Transactions]
Trudy Inst. etn. (12a)	Akademiia nauk SSSR. Institut etnografii [illegible] of Sciences of the U.S.S.R. Institute of [illegible] Transactions]
Trudy Inst. geol. nauk AN URSR Ser. geotek. (12c)	Akademiia nauk URSR, Kiev. Instytut [illegible] Trudy. Seriia geotektoniki [Academy of Ukrainian S.S.R. Institute of Geological [illegible] actions. Series in Geotectonics]
Trudy Inst. geol. nauk AN URSR Ser. gidrogeol. i inzh. geol. (12c)	Akademiia nauk URSR, Kiev. Instytut [illegible] Trudy. Seriia gidrogeologii i inzhenernoi [illegible] [Academy of Sciences of the Ukrainian [illegible] Geological Sciences. Transactions [illegible] geology and Engineering Geology]
Trudy Inst. fad. fiz. AN Kazakh. SSR (13f)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. [illegible] fiziki. Trudy [Academy of Sciences of the [illegible] Institute of Nuclear Physics. Transactions]
Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR (4a)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. [illegible] arkheologii i etnografii. Trudy [Academy of [illegible] the Kazakh S.S.R. Institute of History, Archeology and Ethnography. Transactions]
Trudy Inst. lesa i drev. (15c)	Akademiia nauk SSSR. Sibirskoe otdelenie. [illegible] i drevesiny. Trudy [Academy of Sciences [illegible] Siberian Department. Institute of Forest [illegible] Transactions]
Trudy Inst. mat. i mekh. AN Azerb. SSR (13e)	Akademiia nauk Azerbaidzhanskoi SSR. [illegible] matematiki i mekhaniki. Trudy [Academy of Sciences of the Azerbaijan S.S.R. Institute of Mathematics and Mechanics. Transactions]
Trudy Inst. met. i obog. AN Kazakh. SSR (16h)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. [illegible] tallurgii i obogashchenila. Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of Metallurgy and Ore Dressing. Transactions]
Trudy Inst. met. UFAN SSSR (16h)	Akademiia nauk SSSR. Ural'skii filial, Sverdlovsk. [illegible] metallurgii. Trudy [Academy of Sciences of the USSR. Ural Branch. Institute of Metallurgy. Transactions]
Trudy Inst. morf. zhiv. (13c)	Akademiia nauk SSSR. Institut morfologii zhivotnykh [illegible] [Academy of Sciences of the U.S.S.R. Institute of Animal Morphology. Transactions]
Trudy Inst. okean. (12b)	Akademiia nauk SSSR. Institut okeanologii. [illegible] [Academy of Sciences of the U.S.S.R. Institute of Oceanography. Transactions]
Trudy KAI (16b)	Kazan. Aviatsionnyi institut. Trudy [Aviation Institute. Transactions]
Trudy KKHTI (16c)	Kazan. Khimiko-tekhnologicheskii institut. Trudy [Institute of Chemical Technology. Transactions]
Trudy Kom. chetv. per. (12c)	Akademiia nauk SSSR. Komissiia po izucheniiu chetvertichnogo perioda. Trudy [Academy of Sciences of the U.S.S.R. Commission for the Study of the Quaternary Period. Transactions]
Trudy LIETIN (14a)	Leningrad. Nauchno-issledovatel'skii institut [illegible] trudosposobnosti i organizatsii truda invalidov. Trudy [Scientific Research Institute of Disability [illegible] and Work Organization for the Handicapped. [illegible] actions]
Trudy LTITSBP (16c)	Leningrad. Tekhnologicheskii institut lesnoi promyshlennosti. Trudy [Technological Institute of Woodpulp and Paper Industry. Transactions]
Trudy [Len.] publ. bibl. (2b)	Leningrad. Publichnaia biblioteka. Trudy [Public Library. Transactions]
Trudy MGRI (12c)	Moscow. Moskovskii geologorazvedochnyi institut. Trudy [Moscow Geological Prospecting Institute. Transactions]
Trudy MINKHIGP (16h)	Moscow. Institut neftekhimicheskoi i gazovoi promyshlennosti. Trudy [Institute of the Petrochemical and Gas Industry. Transactions]
Trudy Min. muz. (12c)	Akademiia nauk SSSR. Mineralogicheskii muzei. Trudy [Academy of Sciences of the U.S.S.R. Mineralogical Museum. Transactions]
Trudy NIIAK (13f)	Moscow. Nauchno-issledovatel'skii institut aerologii. Trudy [Scientific Research Institute of Aerology. Transactions]
Trudy NIIZHT (16d)	Novosibirsk. Institut inzhenerov zheleznodorozhnogo transporta. Trudy [Institute of Railroad Transportation Engineers. Transactions]
Trudy NPI (16a)	Novocherkassk. Politekhnicheskii institut. Trudy [Polytechnic Institute. Transactions]
Trudy Otd. geog. AN Kazakh. SSR (12b)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Otdel geografii. Trudy [Academy of Sciences of the Kazakh S.S.R. Department of Geography. Transactions]
Trudy SNIIGGIMS (12c)	Sibirskii nauchno-issledovatel'skii institut geologii, geofiziki i mineral'nogo syr'ia. Trudy [Siberian Scientific Research Institute of Geology, Geophysics, and Mineral Resources. Transactions]
Trudy Sekt. mat. i mekh. AN Kazakh. SSR (13e)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Sektor matematiki i mekhaniki. Trudy [Academy of Sciences of the Kazakh S.S.R. Sector of Mathematics and Mechanics. Transactions]
Trudy Stud. nauch. ob-va LIEI (16a)	Leningrad. Leningradskii inzhenerno-ekonomicheskii [illegible] Studencheskoe nauchnoe obshchestvo. Trudy [Engineering and Economics Institute. Student Scientific Society. Transactions]
Trudy TSAO (13f)	Tsentral'naia aerologicheskaia observatoriia. Trudy [Central Aerological Observatory. Transactions]
Trudy TSNII MPS (16g)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy [All-Union Scientific Research Institute of Railroad Transport. Transactions]

Trudy TSNIIGAIK (13b)	Moscow. TSentral'nyi nauchno-issledovatel'skii institut geodezii, aeros"emki i kartografii. Trudy [Central Scientific Research Institute of Geodesy, Aerial Photography, and Cartography. Transactions]
Trudy TSNIIME (15c)	Khimki TSentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i energetiki lesnoi promyshlennosti. Trudy [Central Scientific Research Institute of Mechanization and Use of Power in Lumbering Transactions]
Trudy TashNIIVS (11e)	Tashkent. Nauchno-issledovatel'skii institut vaktsin i syvorotok. Trudy [Scientific Research Institute of Vaccines and Sera. Transactions]
Trudy Tashk politekh inst. (16a)	Tashkent Politekhnicheskii institut Trudy [Polytechnic Institute. Transactions]
Trudy TSentr. nauch -issl inst. piv. bezalk. i vin. prom. (16c)	Moscow. TSentral'nyi nauchno-issledovatel'skii institut pivovarennoi, bezalkogol'noi i vinnoi promyshlennosti. Trudy [Central Scientific Research Institute of the Brewing, Soft Drinks, and Wine Industry. Transactions]
Trudy VNIING (16h)	Volgograd Nauchno-issledovatel'skii institut neftianoi i gazovoi promyshlennosti. Trudy [Scientific Research Institute for the Petroleum and Gas Industry Transactions]
Trudy VNIPRKH (15b)	Moscow Vsesoiuznii nauchno-issledovatel'skii institut prudovogo rybnogo khoziaistva. Trudy [All-Russian Scientific Research Institute of Pond Fisheries Transactions]
Trudy VSEGEI (12c)	Leningrad Vsesoiuznyi geologicheskii institut. Trudy [All-Union Geological Institute. Transactions]
TSvet. met. (16h)	TSvetnye metally [Nonferrous Metals]
Uch. zap. GGPI (ta)	Gorkiy. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]
Uch. zap. Perm. gos. un. (ta)	Perm. Universitet. Uchenye zapiski [University. Studies]
Uchet i fin v kolkhoz. i sovkhoz. (5b)	Uchet i finansy v kolkhozakh i sovkhozakh [Accounting and Finance on Collective and State Farms]
Ukr. ist. zhur. (4a)	Ukrains'kyi istorychnyi zhurnal [Ukrainian Historical Journal]
Ukraina (1b)	Ukraina [The Ukraine]
Usp. mat. nauk. (13e)	Uspekhi matematicheskikh nauk [Progress in the Mathematical Sciences]
Usp. sovr. biol. (13c)	Uspekhi sovremennoi biologii [Progress in Contemporary Biology]
Uzb geol. zhur (12c)	Uzbekskii geologicheskii zhurnal [Uzbek Geological Journal]
Uzb. khim. zhur. (13d)	Uzbekskii khimicheskii zhurnal [Uzbek Chemical Journal]
Vpom. radioliub. (16e)	V pomoshch' radiolitubiteliu [A Guide for Radio Amateurs]
Ved. Verkh. Sov. RSFSR (6)	Russia (1917- R.S.F.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Ved. Verkh. Sov. SSSR (6)	Russia (1923- U.S.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Vest. derm. i ven. (14i)	Vestnik dermatologii i venerologii [Review of Dermatology and Venereology]
Vest. drev. ist. (4a)	Akademiia nauk SSSR. Institut istorii. Vestnik drevnei istorii [Academy of Sciences of the U.S.S.R. Institute of History Review of Ancient History]
Vest. elektroprom. (16e)	Vestnik elektropromyshlennosti [Review of the Electrical Industry]
Vest. khir. (14h)	Vestnik khirurgii [Review of Surgery]
Vest. mashinostr. (16g)	Vestnik mashinostroeniia [Machine-Building Review]
Vest. Mosk. un. Ser. 1: Mat., mekh. (13a)	Moscow. Universitet. Vestnik. Seriia 1: Matematika, mekhanika [University. Review. Series 1: Mathematics, Mechanics]
Vest. Mosk. un. Ser. 3: Fiz., astron. (13f)	Moscow. Universitet. Vestnik. Seriia 3: Fizika, astronomiia [University. Review. Series 3: Physics, Astronomy]
Vest. Mosk. un. Ser. 4: Geol. (12c)	Moscow. Universitet. Vestnik. Seriia 4: Geologiia [University. Review. Series 4: Geology]
Vest. Mosk. un. Ser. 6: Biol., pochv. (13c)	Moscow. Universitet. Vestnik. Seriia 6: Biologiia, pochvovedenie [University. Review. Series 6: Biology, Soil Science]
Vest. Mosk un. Ser. 7: Filol., zhur. (11b)	Moscow. Universitet. Vestnik. Seriia 7: Filologiia, zhurnalistika [University. Review. Series 7: Philology, Journalism]
Vest. Mosk. un. Ser. 9: Ist. (4a)	Moscow. Universitet. Vestnik. Seriia 9: Istoriia [University. Review. Series 9. History]
Vest. Mosk. un. Ser. 10. Pravo (7)	Moscow. Universitet. Vestnik. Seriia 10: Pravo [University. Review. Series 10: Law]
Vest. protivovozd. obor. (17a)	Vestnik protivovozdushnoi oborony [Air Defense Review]
Vest. rent. i rad. (14a)	Vestnik rentgenologii i radiologii [Review of Roentgenology and Radiology]
Vest. sel'khoz. nauki (15a)	Vestnik sel'skokhoziaistvennoi nauki [Review of Agricultural Science]
Vest. sel'khoz. nauki [Kazakh.] (15a)	Vestnik sel'skokhoziaistvennoi nauki [Review of Agricultural Science]. Kazakhstan.
Vest. sviazi (16e)	Vestnik sviazi [Communications Review]
Vest. TSNII MPS (10g)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Vestnik [All-Union Scientific Research Institute of Railroad Transportation. Journal]
Vest. vys. shkoly (8a)	Vestnik vysshei shkoly [Review of Schools for Higher Education]
Vestsi AN BSSR. Ser. fiz.-tekh. nav. (13f)	Akademiia navuk BSSR, Minsk. Vestsi. Seryia fizika-tekhnichnykh navuk [Academy of Sciences of the White Russian S.S.R. Bulletin. Series in the Physical and Technological Sciences]
Veterinariia (15b)	Veterinariia [Veterinary Medicine]
Visnyk sil'hosp. nauky (15a)	Visnyk sil's'kohospodars'koi nauky [Review of Agricultural Science]
Vnesh. torg. (5a)	Vneshniaia torgovlia [Foreign Trade]
Voen.-ist. zhur. (4a)	Voenno-istoricheskii zhurnal [Military History Journal]
Voen. vest. (17a)	Voennyi vestnik [Military Review]
Voen. znan. (17a)	Voennye znaniia [Military Knowledge]
Vop. antr. (12a)	Voprosy antropologii [Problems of Anthropology]
Vop. filol. (11a)	Voprosy filologii [Problems of Philology]
Vop. filos. (3a)	Voprosy filosofii [Problems of Philosophy]
Vop. geol. i min. Kol'. poluos. (12c)	Voprosy geologii i mineralogii Kol'skogo poluostrova [Problems of the Geology and Mineralogy of the Kola Peninsula]
Vop. ikht. (13c)	Voprosy ikhtiologii [Problems in Ichthyology]
Vop. ist. (4a)	Voprosy istorii [Problems of History]
Vop. lit. (11b)	Voprosy literatury [Problems of Literature]
Vop morf. perif. nerv. sist. (13c)	Voprosy morfologii perifericheskoi nervnoi sistemy [Problems of the Morphology of the Peripheral Nervous System]
Vop. raket. tekh. (16b)	Voprosy raketnoi tekhniki; sbornik perevodov i obzorov inostrannoi periodicheskoi literatury [Problems of Rocket Engineering; Translations and Surveys of Foreign Periodical Literature]
Vop. virus. (13c)	Voprosy virusologii [Problems of Virology]
Vrach. delo (14a)	Vrachebnoe delo [Medical Practice]
Vsem. prof. dvizh. (5d)	Vsemirnoe profsoiuznoe dvizhenie [World Trade-Union Movement]
Za bezop. dvizh. (10g)	Za bezopasnost' dvizheniia [For Traffic Safety]
Za indus. Riaz. (16a)	Za industrial'nuiu Riazan' [For Industrial Ryazan]
Za tekh. prog. (16a)	Za tekhnicheskii progress [For Technological Progress]
Zap. Arm. otd. Vses. min. ob-va (12c)	Vsesoiuznoe mineralogicheskoe obshchestvo. Armianskoe otdelenie. Zapiski [All-Union Mineralogical Society. Armenian Branch. Records]
Zarub. radioelek. (16e)	Zarubezhnaia radioelektronika [Radio Electronics Abroad]
Zashch. rast. ot vred. i bol. (15d)	Zashchita rastenii ot vreditelei i boleznei [Protecting Plants Against Diseases and Pests]
Zdrav. Kazakh. (14a)	Zdravookhranenie Kazakhstana [Health Service of Kazakhstan]
Zdrav. Ros. Feder. (14a)	Zdravookhranenie Rossiiskoi Federatsii [Health Service of the Russian Federation]
Zdravookhranenie (14a)	Zdravookhranenie [Health Service]
Zemledelie (15d)	Zemledelie [Agriculture]
Zhel. dor. transp. (10g)	Zheleznodorozhnyi transport [Railroad Transportation]
Zhen. mira (5e)	Zhenshchiny mira [Women of the Whole World]
Zhil. stroi. (16d)	Zhilishchnoe stroitel'stvo [Housing Construction]
Zhivotnovodstvo (15b)	Zhivotnovodstvo [Animal Husbandry]
Zhur. eksp. i klin. med. (14a)	Zhurnal eksperimental'noi i klinicheskoi meditsiny [Journal of Experimental and Clinical Medicine]
Zhur. eksp. i teor. fiz. (13f)	Zhurnal eksperimental'noi i teoreticheskoi fiziki [Journal of Experimental and Theoretical Physics]
Zhur. mikrobiol., epid. i immun. (14a)	Zhurnal mikrobiologii, epidemiologii i immunobiologii [Journal of Microbiology, Epidemiology, and Immunobiology]
Zhur. neorg. khim. (13d)	Zhurnal neorganicheskoi khimii [Journal of Inorganic Chemistry]
Zhur. ush., nos. i gorl. bol. (14d)	Zhurnal ushnykh, nosovykh i gorlovykh boleznei [Journal of Ear, Nose, and Throat Diseases]
Zhur. VKHO (13d)	Vsesoiuznoe khimicheskoe obshchestvo imeni D.I. Mendeleeva. Zhurnal [D.I. Mendeleev All-Union Chemical Society. Journal]
Znamia (11b)	Znamia [The Banner]
Znan. - sila (13a)	Znanie - sila [Knowledge is Power]
Znan. ta pratsia (13a)	Znannia ta pratsia [Knowledge and Work]

A C T H

Beklemishev, N.D [Cortisone and its derivatives in the clinic] Kortizon i ego proizvodnye v klinike, Alma-Ata, Izd-vo Akad nauk Kazakhskoi SSR, 1963. 821 p. (DNLM)

Cardiovascular system in rheumatic patients treated with ACTH and steroid hormones [with summary in English] G.S Kozlov, E. L. Tyntanova Vrach. delo no 7 12-16 Jl '63

Effectiveness of hormonal preparations in the combined treatment of Botkin's disease G I Prostatova, S A Tubaeva, F. S. IAkubovich. Zdrav Kazakh 23 no 2 14-49 '63.

Use of ACTH and corticosteroid hormones in surgical intervention A T Pulatov. Vest khir 90 no 3 117-125 Mr '63

ABDOMEN—FOREIGN BODIES

Casuistics of foreign bodies in the abdominal cavity B.I Uchitel'. Zdrav. Kazakh 23 no 2-75 '63.

ABDOMINAL AORTA

Prolonged disorders in reflex activity of the spinal cord following temporary occlusion of the abdominal aorta near its bifurcation [with summary in English] G G Kosheleva Pat fiziol i eksp terap 7 no 2 34-38 Mr-Ap '63

ABELIAN GROUPS

Imbedding of cross products into bodies A. A. Bovdi, Dokl AN SSSR 151 no. 6,1253-1255 Ag '63.

ABKHAZIA—FORESTS AND FORESTRY

"Trudy" of the Abkhaz Forestry Experiment Station. Reviewed by B. Grozdov. Les khoz. 16 no. 7,92 Jl '63.

ABKHAZIA—SOUVENIRS (KEEPSAKES)

A "souvenir" from Gagry. IU. Zvlagin. Sov. deput. trud. no. 9 48-49 S '63.

ABORTION

Further trends in decreasing the number of abortions. O. K Nikenchik. Akush. i gin. no. 2 92-95 '63.

Results of anesthesia in early artificial termination of pregnancy. I P. Gomeniuk, P G. Zhuchenko. Akush. i gin. no. 2 119-120 '63.

ABRASIVES

Pevzner, R L. [Spectral analysis of synthetic corundums used in the manufacture of abrasives] Spektral'nyi analiz elektrokorundov, primeniaemykh v abrazivnoi promyshlennosti, opyt zavodov Leningrad, 1961. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom Seriia Kontrol' kachestva produktsii, no ?)

[MICROFILM]

ABRASIVES—TESTING

Investigating the shape of grains of grinding and polishing powders. I. E. Goronfeva, M F. Karaeva, R. I. Shuiskala. Sbor. st. LITMO no. 47 104-109 '59.

ABS, HERMANN, 1901-

Umanskii, D. A. [Trial which hasn't been held] Sud, kotoryi ne sostoialsia Moskva, Gospolitizdat, 1963. 46 p (Vot oni — beshennye)

ABSORPTION

Study of the processes of physical absorption and chemisorption in a rotary-type apparatus. R Sh. Safin, A. M. Nikolaev, N. M. Zhavoronkov. Trudy KKHTI no. 30 341-351 '62

ABSORPTION (PHYSIOLOGY)

Use of the isotope method for the study of absorption from the digestive tract D E Grodzenskii, K S. Zamychkina. Med. rad. no 1 71-76 '63

ABSORPTION OF SOUND

Nonresonance paramagnetic sound absorption due to spin-lattice relaxation. V. A. Golenishchev-Kutuzov, E. G. Kharakhash'ian. Fiz. tver. tela 5 no. 9;2725-2726 S '63.

Theory of giant oscillations in ultrasound absorption [with summary in English]. S. V. Gantsevich, V. L. Gurevich. Zhur. eksp. i teor. fiz. 45 no. 3:587-594 S '63.

ABSORPTION SPECTRA

Determination of absorption age. E. L. Zorina. Zhur. neorg. khim. 8 no. 9 2210-2211 S '63.

ABSTRACT ART see Art, Abstract

ABSTRACTION

Marxist evaluation of the problems of abstraction and the formation of ideas. L. Tondl, A. I. Uemov. Vop. filos. 17 no. 8;173-176 '63.

ABU DHABI, TRUCIAL OMAN—POLITICS AND GOVERNMENT

Sheik Shakhbut and his treasures. B. Zabirov. Az. i Afr. seg. no. 10,22 O '63.

ABUSE OF ADMINISTRATIVE POWER

Criminal responsibility for the abuse of administrative power V. Maksimov. Sov. iust. no 15 20-22 Ag '63.

ACADEMY OF SCIENCES OF GEORGIA

Akademiia nauk Gruzinskoi SSR, Tiflis. [Academy of Sciences of Georgia] Akademiia nauk Gruzinskoi SSR, Academie des sciences de la R S. S. de Géorgie Tbilisi, 1962 70 p [Text in Russian and French]

ACADEMY OF SCIENCES OF THE ESTONIAN S. S. R.

Studies of karst carried out by the Institute of Geology of the Academy of Sciences of the Estonian S. S. R. A. M. Verte, J. I. Heinsalu. Nov. kar. i spel. no. 3 83-85 '63.

ACADEMY OF SCIENCES OF THE UKRAINIAN S. S. R.

General meeting of the Department of Technology of the Academy of Sciences of the Ukrainian S. S. R. E. S. Dyshynevych, M. S. Koval'chenko. Prykl. mekh. 9 no. 5,577-578 '63.

ACANTHOPHYLLUM see subdivision under Alma-Ata

ACCOUNTING

(see also subdivision under Tomsk Province)

Balance of an enterprise. A. Krasov, P. Khvastunov. Sov. torg. 36 no. 9 36-37 S '63

Gil'de, E K. [Standard accounting in production; practices of the Krasnogvardeets Factory in Leningrad] Normativnyi uchet proizvodstva, opyt Leningradskogo zavoda "Krasnogvardeets." [By] E. Gil'de i V Matveev Moskva, Gosfinizdat, 1962 62 p. (Biblioteka bukhgaltera)

(MH)

ACCOUNTING MACHINES

First accounting machine invented by P. L. Chebyshev. L. E. Maistrov. Ist.-mat. issl. no. 14:349-354 '61.

Piotkin, N. L. [Experience in the overall mechanization of accounting using 80-column computing and punched card machines] Opyt polnoi mekhanizatsii bukhgalterskogo ucheta s ispol'zovaniem 80-kolonnykh schetno-perforatsionnykh mashin, stenogramma doklada na Vsesoiuznom soveshchanii po mekhanizatsii i avtomatizatsii inzhenernogo i upravlencheskogo truda v promyshlennosti i stroitel'stve. Leningrad, 1963, 12 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serila Mekhanizatsiia inzhenernogo i upravlencheskogo truda)

ACETALS

Polymerization of diene acetals; divinyl-allylvinyl- and diallylacetal. K. Sultanov, I. A. Arbuzova. Uzb. khim. zhur. 7 no. 4,56-63 '63.

ACETALS—CONGRESSES

Konferentsiia po voprosam stroeniia i reaktsionnoi sposobnosti atsetalei, 1961. [Transactions of the Conference on the Structure and Reactivity of Acetals, held on Sept. 9-14, 1961] Trudy Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 98 p.

ACETAMIDE

Aplastic anemia developing following the intake of syntomycin and levomycetin. N. IA. El'kis. Vrach. delo no. 7;131-132 Jl '63.

ACETIC ACID

Clinical testing of feneksol, an antichol[illegible] aration. Z. I. Zil'berman Vrach. d[illegible] '63.

Complex formation of ytrium with ethylenediaminetetraacetic acid. I. V. Tananaev, G. S. [illegible] neorg. khim. 8 no. 10;2258-2270 O '63.

Thermochemistry of the formation of complexions of rare earth elements with ethylenediaminetetraacetate. G. A. Prik. Zhur. neorg. khim. [illegible] 2099-2102 S '63.

ACETIC ACID—THERAPEUTIC USE

Treatment of trophic ulcers with cyclocol [illegible] kin, G. IA. Sharopova, I. N. Vodkova Vest. [illegible] 37 no. 1,77-78 Ja '63.

ACETONE

Reactions of dialkyl phosphorous acids with [illegible] and ketones. Report No. 25: Esters of α-hydroxy-$\beta\beta\beta'\beta'$-tetrachloroisopropyl[illegible] V. S. Abramov, A. L. Shaikman Trudy KKHTI [illegible] 45-46 '62.

ACETYLENE

Experience in acetylene production by high-[illegible] hydrocarbon pyrolysis. O. I. Lapitskaia, [illegible] Neftepererab. i neftekhim. no. 1;31-33 '64.

ACETYLENE—SPECTRA

Rotational Raman spectra. Part 2: Vinyl [illegible] C_2H_3. Z. P. Gribova, V. L. Ivanov, V. M. [illegible] Opt. i spektr. 15 no. 3;520-524 S '63.

ACETYLENE COMPOUNDS

Dolgopol'skii, I. M., and others. ["Vinol" [illegible] Lak vinol". Moskva, Goskhimizdat, 1961. [illegible] (Korroziia v khimicheskikh proizvodstvakh i [illegible] zashchity, no. 10)

ACID-BASE EQUILIBRIUM

Acid-base equilibrium in hemorrhagic [illegible] [with summary in English] N. V Lunina [illegible] eksp terap 7 no 1 28-31 Ja-F '63.

ACIDS

Ion-exchange preparation of acids under [illegible] conditions. A. I. Vulikh, V. I. Bogatyrenko. [illegible] SSSR no. 7, Ser. khim. nauk no. 3, 10-17 '63.

Quantitative determining of dicarboxylic acids [illegible] L. N. Kazanskaia. Khlob. i kond. prom. [illegible] '63.

State of tantalum (V) in solutions of oxalic, [illegible] hydrofluoric acids, and hydrogen peroxide. [illegible] bivanets. Zhur. neorg. khim. 8 no. 10; [illegible] '63.

ACIDS, FATTY

Biological purification of chemically polluted [illegible] from the production of synthetic aliphatic acids (a designing practice). I. D. Kats. Trudy [illegible] '63.

Improve the technical and economic indices [illegible] duction of synthetic fatty acids. B. A. Ilin, [illegible] Klimenko, S. F. Rinbukhova. Masl.-zhir. [illegible] no. 9;31-34 S '63.

Thermal refining of synthetic fatty acids. A. [illegible] ko and others. Masl.-zhir. prom. 29 no. [illegible] '63.

ACIDS, ORGANIC

Differential potentiometric titration of carboxyl [illegible] corrosive acids in sulfur-containing petroleum products. E. P. Sobolev, E. A. Popova, I. A. Rubinshtein. Khim. i tekn. topl. i masel 8 no. 2;50-61 F '63.

Nitroalkyd resins. Report No. 3: Condensation [illegible] zation of glutaric and pimelic acids with nitro [illegible] nitrotriols. L. M. Kozlov, V. I. Burmistrov, A. I. [illegible] nina. Trudy KKHTI no. 30;144-147 '62.

Nitroalkyd resins. Report No. 6: Condensation [illegible] zation of nitrodiols and nitrotriols with oxalic, [illegible] and succinic acids. L. M. Kozlov and others. Trudy KKHTI no. 30;161-169 '62

Simplified method for the conversion of [illegible] ylic acids into corresponding lactones. V. N. [illegible] S. G. Poliakova. Masl.-zhir. prom. 29 no. [illegible] '63.

ACIDS, ORGANIC (Continued)

Study of protactinium complex formation with mono-, di-, and polycarboxylic acids by the ion exchange method. Part 2. Complex formation of protactinium with ... lic, lactic, butyric and amygdalic acids. V. V. Lapitskii, L. Geletseanu. Radiokhimiia 5 no. 3,330-334 '63.

ACORNS—DISEASES AND PESTS

Chemicals for controlling fungus diseases of acorns. G. V. Khrustalev. Les. khoz. 16 no. 7:87 Jl '63.

ACOUSTIC PHENOMENA IN NATURE

"Voice of the sea." A. Z. Pashinskii. Meteor. i gidrol. no. 9:48 S '63.

ACROMEGALY

Tranzil-Junet syndrome. A. P. Kalinin, M. I. Balabolkin. Vrach. delo no. 9:145-147 S '63.

ACRYLIC ACID

Reactions involved in the copolymerization of α-chloroacrylic esters with acrylonitrile. M. A. Askarov, U. M. Muratova. Uzb. khim. zhur. 7 no. 1:53-57 '63.

Solidification of soluble polymers based on acrylic polyesters. T. E. Lipatova, V. A. Budnikova. Dokl. AN BSSR 7 no. 8:534-537 Ag '63.

ACRYLONITRILE

Effect of the properties of the polymer on the physicomechanical properties of polyacrylonitrile fibers. N. M. Bedel', A. B. Pakshver. Khim. volok. no. 5,9-12 '63.

Reactions involved in the copolymerization of α-chloroacrylic esters with acrylonitrile. M. A. Askarov, U. M. Muratova. Uzb. khim. zhur. 7 no. 1:53-57 '63.

Synthesis of a copolymer of acrylonitrile and diketone. G. A. Gabrielian, Z. A. Rogovin. Khim. volok. no. 5:2-5 '63.

ACRYLONITRILE POLYMERS

Protective coatings with a base of organic dispersions of polyacrylonitrile. A. D. IAkovlev, N. V. Kosheleva, I. S. Okhrimenko. Lakokras. mat. i ikh prim. no. 4:18-22 '63.

ACTING

Remez, O. IA. [The artist studies, rehearses and acts] Artist uchitsia, repetiruet, igraet. Moskva, Izd-vo "Sovetskaia Rossiia," 1963. 198 p. (Bibliotechka "V pomoshch' khudozhestvennoi samodeiatel'nosti," no. 19)

ACTINIDE ELEMENTS—THERMODYNAMIC PROPERTIES

Thermodynamic characteristics of atoms and ions of rare earth and actinide elements. G. A. Krestov. Radiokhimiia 5 no. 2:268-270 '63.

ACTINIUM ISOTOPES—ANALYSIS

Determination of $MsTh_1$ by measuring β-radiations of $MsTh_2$ in a radium preparation from which foreign radioelements were removed. N. G. Syromiatnikov, G. A. Mukashev, L. A. Kapatsinskaia. Radiokhimiia 5 no. 3:356-360 '63.

ACTINOMETRY

(see also subdivision under Arctic regions; Davis Sea)

Vsesoiuznoe nauchnoe meteorologicheskoe soveshchanie, 1st, Leningrad, 1961. [Transactions of the All-Union Scientific Meteorological Conference] Trudy. Leningrad, Gidrometeoizdat.

Vol. 3. [Section on synoptic meteorology] Sektsiia sinopticheskoi meteorologii. Pod red. V. A. Bugaeva i T. V. Pokrovskoi. 1963. 353 p.

Vol. 5. [Section on the physics of the free atmosphere] Sektsiia fiziki svobodnoi atmosfery. Pod red. V. IA. Nikandrova. 1963. 338 p.

Vol. 6. [Section on actinometry and atmospheric optics] Sektsiia aktinometrii i atmosfernoi optiki. Pod red. K. S. Shifrina. 1963. 386 p.

Vol. 8. [Section on agricultural meteorology] Sektsiia agrometeorologii. Pod red. I. A. Gol'tsberg. 1963. 306 p.

ACTINOMYCES

Prokof'eva-Bel'govskaia, A. A. [Structure and development of actinomycetes] Stroenie i razvitie aktinomitsetov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 275 p.

ACTINOMYCOSIS

Experimental actinomycosis in 1- and 2-day-old rabbits. A. V. Golikov. Zhur. mikrobiol., epid. i immun. 40 no. 1:137-141 '63.

ACTINOXANTHINE

Effect of novocaine on the antitumor activity of actinoxanthine and aurantin. Preliminary report. E. A. Romanenko, V. G. Mazaeva. Antibiotiki 7 no. 7:612-617 Jl '62.

ACTIVATION ENERGY

Activation energy of Nb and C mobility in metallic niobium and its carbides [with summary in English]. P. V. Gel'd, V. D. Liubimov. Poroshk. met. 3 no. 4:76-78 Jl-Ag '63.

ACTIVITY COEFFICIENTS

Abstract. IU. P. Dybanl'. Ogneupory 28 no. 9:430 '63.

Change of the chemical potentials of water in the systems type $UO_2(NO_3)_2$ - $M(NO_3)_n$-H_2O at 25° C. M. A. IAkimov, N. F. Nosova, V. K. Filippov. Radiokhimiia 5 no. 4:474-479 '63.

ACTORS, LATVIAN

Akuratere, L. Anta Klints. Riga, Latvijas valsts izdevniecība, 1962. 213 p. [In Latvian]

ACTRESSES, UKRAINIAN

Principal role. M. Bohdashevs'kyi. Ukraina no. 21:8 S '63.

ACUTE CATARRHAL JAUNDICE see Hepatitis, Infectious

ADAPTATION (BIOLOGY)

Adaptive variability of muscular tissues and its biological interpretation. E. I. Koloss. Usp. sovr. biol. 56 no. 1:96-116 Jl-Ag '63.

Compensatory adaptations within the peripheral nervous system. D. M. Golub. Vop. morf., perif. nerv. sist. no. 6:3-10 '63.

Neurotropic bases of compensation. S. M. Pavlenko. Pat. fiziol. i eksp. terap. 7 no. 2:3-8 Mr-Ap '63.

Some unsolved problems in hormonal regulation of adaptive reactions of the body. I. M. Neiman. Pat. fiziol. i eksp. terap. 7 no. 2:88-90 Mr-Ap '63.

ADDITION REACTIONS

Course of the reactions in which electrophilic and nucleophilic reagents are added to asymmetrical homologs of diacetylene. A. A. Petrov, IU. I. Porfir'eva, I. B. Sokolov. Dokl. AN SSSR 151 no. 6:1313-1316 Ag '63.

ADEN—MILITARY BASES, BRITISH

Dangerous "strolls" of the British colonizers. O. Kocherigin. Mezhdunar. zhizn' 10 no. 9:113-114 S '63.

The people of Aden break the fetters of slavery. V. Tugaev, O. Gerasimov. Mezhdunar. zhizn' 10 no. 9:136-138 S '63.

ADHESION

Adhesive forces between bark and wood at low temperatures. V. V. Zakharov. Der. prom. 12 no. 9:10 S '63.

Kozlov, P. V., ed. [Adhesion of polymers] Adgeziia polimerov, sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 143 p.

ADIGENI DISTRICT—ARCHITECTURE, DOMESTIC

Architecture of the new dwellings in Adigeni [in Georgian with summary in Russian]. T. A. Ochiauri. Mat. po etn. Gruz. no. 12/13:125-140 '63.

ADIPIC ACID

Nitroalkyd resins. Report No. 1: Condensation polymerization of adipic acid with nitrodiols and nitrotriols. L. M. Kozlov, V. I. Burmistrov, A. P. Sharnina. Trudy KKHTI no. 30:128-135 '62.

ADMINISTRATION OF JUSTICE see Justice, Administration of

ADMINISTRATIVE LAW

"Soviet administrative law, general part" by I. M. Pakhomov, A. Klushnychenko, D. IAkovenko. Rad. pravo no. 3:138-141 My-Je '63.

Violation of Soviet laws. Sov. deput. trud. no. 9:97 S '63.

ADMINISTRATIVE REMEDIES

Against indifference and red tape in the examination of complaints. Sov. deputat. trud. no. 6:6-8 Je '63.

ADOLESCENCE

Entering life. L. Korneshov. Mol. komm. no. 6:61-69 Je '63.

Give special attention to adolescence! O. Khononova. Semlia i shkola 18 no. 9:44-45 S '63.

ADRENAL CORTEX

Effect of the antitumor antibiotic, aurantin, on adrenal cortex function [with summary in English]. N. A. Ozeretskovskii, O. Sh. Dzheksenbaev. Antibiotiki 7 no. 7:627-630 Jl '62.

Functional state of the adrenal cortex, content of blood proteins and some other biochemical indices in patients with eczema [with summary in English]. V. G. Borovskaia, P. F. Petrunin. Vest. derm. i ven. 37 no. 2:21-25 F '63.

Functional state of the adrenal gland cortex in silicosis patients. S. A. Shapirova. Izv. AN Kazakh. SSR, Ser. med. nauk no. 1:71-75 '63.

Interrelations between the thyroid gland and the adrenal cortex in patients with lesions in the central nervous system; on the problem of neurosomatic unity [with summary in English]. G. D. Leshchenko, R. M. Glants, V. D. Gomcharov. Vrach. delo no. 7:3-9 Jl '63.

ADRENAL CORTEX—DISEASES

Disorders of adrenal cortex function in neonates and infants; a survey of the literature. L. M. Bilas, IU. E. Vel'tishchev, V. A. Tabolin. Pediatriia 42 no. 1:54-61 Ja '63.

ADRENAL GLANDS—DISEASES

Pathomorphology of the adrenal glands in stillborn infants. G. P. Smolicheva. Trudy Dush. med. inst. 57 no. 2:16-18 '62.

Some data on the general pathomorphology of the adrenal glands. R. I. Savina. Trudy Dush. med. inst. 57 no. 2:29-35 '62.

ADRENALINE

Functional state of the sympathico-adrenal system in goiter. I. L. Poltoratskii. Vrach. delo no. 7:140-141 Jl '63.

Mediator metabolism of the myocardium in compensatory hypertrophy and hypertrophy of the heart [with summary in English]. I. Z. Mertson and others. Pat. fiziol. i eksp. terap. 7 no. 1:32-36 Ja-F '63.

New data on the effect of adrenaline and noradrenaline on the supply of oxygen to the heart [with summary in English]. M. I. Raiskina, Z. I. Samoilova, M. IA. Khodas. Pat. fiziol. i eksp. terap. 7 no. 2:19-25 Mr-Ap '63.

ADRENALINE—PHYSIOLOGICAL EFFECT

Effect of the adrenalin treatment of animals on the course of some biochemical processes. V. Pal'min and others. Mias. ind. SSSR 34 no. 1:53-54 '63.

ADRENALINE IN THE BODY

Content of mediators in the blood in lead poisoning. Report No. 1: Adrenaline content in the dynamics of lead poisoning in an experiment. N. N. Tikhonov, V. A. Semenova. Izv. AN Kazakh. SSR, Ser. med. nauk no. 2:42-47 '63.

ADRENOCORTICAL HORMONES

Beklemishev, N. D. [Cortisone and its derivatives in the clinic] Kortizon i ego proizvodnye v klinike. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 821 p. (DNLM)

Effectiveness of hormonal preparations in the combined treatment of Botkin's disease. G. I. Prosvetova, S. A. Tukaeva, T. S. IAkubovich. Zdrav. Kazakh. 23 no. 2:44-49 '63.

Functional state of the liver in some dermatoses following treatment with corticosteroid hormones. R. G. Gabitova. Vest. derm. i ven. 37 no. 2:26-31 F '63.

Interaction of muscle relaxants and corticosteroids in modern anesthesia in heart surgery. V. A. Kovanov, IA. M. Khinelevskii. Eksper. khir. i anest. no. 1:65-73 '63.

Preliminary results of treating silicosis and anthracosilicosis patients with corticosteroids. V. L. Dvoiln, IU. P. Zisbrev, A. I. Nesis. Izv. AN Kazakh. SSR, Ser. med. nauk no. 2:36-41 '63.

Some unsolved problems in hormonal regulation of adaptive reactions of the body. I. M. Neiman. Pat. fiziol. i eksp. terap. 7 no. 2:88-90 Mr-Ap '63.

Treatment of eczema and neurodermatitis with corticosteroid preparations [with summary in English]. M. M. Zheltakov, G. IA. Sharapova. Vest. derm. i ven. 37 no. 1:39-42 Ja '63.

Use of ACTH and corticosteroid hormones in surgical intervention. A. T. Pulatov. Vest. khir. 90 no. 3:117-125 Mr '63.

Use of corticosteroids in infectious dermatoses and venereal diseases; a review. N. A. Ivanov. Vest. derm. i ven. 37 no. 2:56-60 F '63.

ADSORPTION

Adsorption of benzene and n-hexane on silica gel from their vapor mixture [with summary in English]. A. V. Kiselev, L. T. Pavlova. Koll. zhur. 25 no. 5:537-542 S-O '63.

Adsorption of dyes by synthetic zeolites. S. A. Levina, L. N. Malashevich, N. F. Efimolenko. Koll. zhur. 25 no. 5:567-571 S-O '63.

Adsorption of I131 tagged iodine on a platinum surface. G. Toth. Radiokhimiia 5 no. 4:111-119 '63.

Adsorption of polonium by glass and paper filters in the presence of salts. I. E. Starik, B. S. Kuznetsov, N. I. Ampelogova. Radiokhimiia 5 no. 3:304-311 '63.

Certain data on the adsorption properties of starch [with summary in English]. V. I. Nazarov, T. I. Sukhorukova. Koll. zhur. 25 no. 5:578-580 S-O '63.

Effect of adsorption films on the charge and polarity of mineral particles. Chzhao Tsze-sian' [Chao Tsê-hsien]. Vest. Mosk. un. Ser. 4, Geol. 18 no. 3:68-70 My-Je '63.

Effect of the pH of drilling fluids on the value of diffusion-adsorption potentials. E. M. Miroshnichenko. Trudy MINKHIGP no. 41:84-87 '63.

On A. I. Rusanov's article "On two adsorption theorems." L. de Witte. Koll. zhur. 25 no. 5:620-630 S-O '63.

Static conditions of the adsorption and desorption of nitrogen dioxide - nitrogen tetroxide. Z. B. Krasnyi. Trudy KKHTI no. 30:213-222 '62.

Structure-mechanical properties of the adsorption layers of some surface-active compounds at the interfacial boundaries of their aqueous solutions with air and styrene [with summary in English]. L. A. Shits, A. A. Trapeznikov. Koll. zhur. 25 no. 5:613-620 S-O '63.

Study of adsorption and desorption of nitrogen dioxide - nitrogen tetroxide on technical silica gels ASM and No. 6. E. B. Krasnyi, L. I. Kuznetsov-Fetisov. Trudy KKHTI no. 30:223-239 '62.

ADULT EDUCATION
(see also subdivision under Mongolia)

Increase the responsibility of trade unions for educational work among factory workers. F. Kuritsyn. Rabochii klass 22 no. 9 1-3 S '63.

ADVERTISING—BOOKSELLERS AND BOOKSELLING

Make our advertising clear and easy to understand. L. Filippova. Sov. torg. 15 no. 8 14-16 Ag '63.

ADYGE

Documents on the agriculture of the Bzhedukhi. M. Z. Zaturianov. Mat. po istorii Gruz. no. 12/13 251-259 '63.

ADYGE—MARRIAGE CUSTOMS AND RITES

Marriage rites of the Abadzekhi. M. Meretukov. Mat. po istorii Grus. no. 12/13 361-370 '63.

AERIAL BOMBING see Bombing, Aerial

AERIAL PHOTOGRAMMETRY

Horizons of aerial photography. I. Nevazhskii, Iu. Trunin. Nauka i zhizn' 30 no. 9 28-32, 324, 1 of cover S '63.

Study of errors in determining the heights of points from multiple observations on the STD-2 stereotopometer. M. V. Shul'min. Geod. i kart. no. 9 46-49 S '63.

Use of aerial photographic surveying in studying karst. I. A. Brashnina. Nov. kar. i spel. no. 3 82-83 '63.

AERIAL PHOTOGRAPHY see Photography, Aerial

AERIAL PHOTOGRAPHY IN GEOGRAPHY see subdivision under Kuybyshev Reservoir

AERIAL PROPELLERS see Propellers, Aerial

AERODYNAMICS

Calculation of aerodynamic forces of interference between two bodies of revolution. V. A. IAroshevskii. Inzh. zhur. 3 no. 3 546-554 '63.

Cross-shaped wing of finite span in a compressible flow. B. I. Fridlender. Dokl. AN SSSR 151 no. 6 1299-1302 Ag '63.

Equations of physical aerodynamics. V. N. Zhigulev. Inzh. zhur. 3 no. 1 137-139 '63.

Kinetics of the decay of two-atomic molecules in the absence of vibrational equilibrium. S. I. Anisimov, G. S. Romanov. Dokl. AN BSSR 7 no. 6 376-377 Je '63.

Lengthwise drawing of the yarn by the air flow. S. G. Popov, L. S. IAkovleva. Tekst. prom. 23 no. 9 82-86 S '63.

Solution of the inverse problem by the series-expansion method. A. P. Buzzhin, A. A. Gladkov. Inzh. zhur. 3 no. 3 517-518 '63.

AERODYNAMICS—LABORATORY MANUALS

Povkh, I. L. [Aerodynamics, a manual for laboratory work] Aerodinamika, uchebnoe posobie k laboratornym rabotam. Leningrad, Leningr. politekhnicheskii in-t, 1962. 126 p.

AERODYNAMICS, HYPERSONIC

Circular cone in a hypersonic gas flow at a certain angle of attack. IA. G. Sapunkov. Prikl. mat. i mekh. 27 no. 5 930-939 S-O '63.

Hypersonic gas flow about thin bodies taking into account the radiation. E. A. Romishevskii. Inzh. zhur. 3 no. 1 12-17 '63.

Hypersonic viscous gas flow about a plate at the angle of attack. V. IA. Neiland. Inzh. zhur. 3 no. 3 424-426 '63.

Slip effects in hypersonic slightly rarefied flow about bodies. V. S. Galkin. Inzh. zhur. 3 no. 1 27-36 '63.

Viscous hypersonic flow past slender bodies. M. D. Ladyzhenskii. Prikl. mat. i mekh. 27 no. 5 765-778 S-O '63.

AERODYNAMICS, SUPERSONIC

Aerodynamic characteristics of profiles and airfoils with blunt leading edges at high supersonic speeds. V. I. Kholiashko. Izv. vys. ucheb. zav., av. tekh. 6 no. 3 43-50 '63.

Cylinder with a flat face in a supersonic ideal gas flow. V. F. Shugaev. Inzh. zhur. 3 no. 3 427-432 '63.

External drag of grooved bodies with elliptic cones and supersonic velocities at the inlet [with summary in English]. M. P. Osiannikov. Inzh.-fiz. zhur. 6 no. 8 92-96 Ag '63.

Front stall zone in nonsymmetric supersonic gas flow about a body with a needle. V. IA. Neiland, G. I. Taganov. Inzh. zhur. 3 no. 3 419-423 '63.

Integrating equations of plane isentropic gas flow with high supersonic speeds. A. I. Derzhavina, T. I. Chukanova. Inzh. zhur. 3 no. 1 47-54 '63.

AERODYNAMICS, TRANSONIC

Substantiation of an example of transonic flow. I. Bibosunov. Inzh. zhur. 3 no. 3 535-539 '63.

AERONAUTICAL MUSEUMS

Powerful wings. N. Gushchin. Sov. voin 45 no. 17 15 S '63.

AERONAUTICS

Controlled motions of winged flying craft of various systems in a plane of symmetry. G. V. Alexandrov, V. K. Sviatodukh. Inzh. zhur. 3 no. 1 3-11 '63.

Man is master of the airplane. G. A. Sedov. Sov. voin 45 no. 15 28-29 Ag '63.

Optimum motion conditions for flying craft. E. V. Tarasov. Izv. vys. ucheb. zav., av. tekh. 6 no. 3 34-42 '63.

A passenger's dreams ... L. Vorontsov. Znan.-sila 38 no. 7 5-6 Jl '63.

AERONAUTICS—ABSTRACTS

[Air transportation] Ref. zhur., Vozd. transp. no. 10 O '63.

AERONAUTICS—STUDY AND TEACHING
(see also subdivision under Moscow)

Training teachers. Technical education of a commander. P. Kutakhov. Av. i kosm. 46 no. 9 5-11 S '63.

AERONAUTICS, MILITARY

Kuznetsov, V. A. [Formation of a pilot; notes of a commander] Stanovlenie letchika, zapiski komandira. Moskva, Voenizdat, 1963. 69 p. (Za nashu Sovetskuiu Rodinu!

Notes of a political worker and pilot. Part 2. Formation of a flight commander [continued]. L. Zhabin. Av. i kosm. 46 no. 9 12-15 S '63.

What then is the main thing? M. Kulikov. Sov. voin. 45 no. 15 13-15 Ag '63.

AERONAUTICS IN FORESTRY

Belov, S. V., I. D. Dmitriev, and A. E. Kolosova. [Aerial photographic surveying and aviation in forest management] Aerofotos"emka i aviatsiia v lesnom khoziaistve; uchebnoe posobie dlia studentov lesokhoziaistvennogo fakul'teta. Pod obshchei red. S. V. Belova. Leningrad, Vses. zaochnyi lesotekhn. in-t, 1962. 256 p.

The MI-4 helicopter in the extinction of forest fires. V. P. Molchanov. Les. khoz. 16 no. 3 41-42 Mr '63.

AERONAUTICS IN GEOLOGY

Using induction airborne electric prospecting to determine the function of the distribution of the specific electric conductivity of a horizontally layered medium. IU. B. Shaub. Izv. AN SSSR, Ser. geofiz. no. 9 1369-1376 S '63.

AERONAUTICS IN METEOROLOGY

Absorption of solar radiation in the free atmosphere over the Davis Sea and the Antarctic slope. V. F. Belov. Trudy TSAO no. 45 82-89 '62.

Is the aerial sounding of the stratosphere needed? V. A. Dzhordzhio, N. N. Romanov. Meteor. i gidrol. no. 8 51 Ag '63.

Measurements of the concentration of ozone in the troposphere and preliminary results of observation. A. S. Britaev. Trudy TSAO no. 45 32-37 '62.

AERONAUTICS IN METEOROLOGY—EQUIPMENT AND SUPPLIES

Airborne device for measuring the water in drop-liquid clouds. V. I. Skatskii. Izv. AN SSSR. Ser. geofiz. no. 9 1448-1456 S '63.

AEROSOL THERAPY

Aerosol therapy for patients with pulmonary tuberculosis [with summary in English]. N. M. Kulik. Vrach. delo no. 9 35-40 S '63.

AEROSOLS

Detection of minimal concentrations of influenza virus in the droplet phase of an aerosol [with summary in English]. S. IA. Galdamovich, V. V. Vlodavets. Vop. virus. 8 no. 3 348-353 My-Je '63.

Hot aerosols in the atmosphere. S. G. Malakhov, K. P. Makhonko. Atom. energ. 15 no. 3 238-245 S '63.

Pesticide aerosols in Czechoslovakia. V. Koula. Zashch. rast. ot vred. i bol. 8 no. 8 51-54 Ag '63.

Presence of alpha-emitting "hot" aerosols in the atmosphere. B. I. Styro and others. Atom. energ. 15 no. 3 262-264 S '63.

AEROTHERMODYNAMICS

Experimental investigation of heat transfer of cylinders under free rarefied-air flow conditions. A. K. Rebrov. Trudy KAI no. 66 73-82 '61.

Heat transfer of a limited plane plate under free rarefied air flow conditions. A. K. Rebrov, N. I. Kisliakov. Trudy KAI no. 66 91-96 '61.

AESCHYNITE

New variety of aeschynite with a high tantalum content from granite pegmatites of Siberia. V. A. Kornetova, V. B. Aleksandrov, M. E. Kazakova. Trudy Min. muz. no. 14 108-121 '63.

AESTHETICS
(see also subdivision under Transcaucasia)

Aesthetic views of Keats. N. Dmakonova. Vop. lit. 7 no. 8 91-103 Ag '63.

Book on the beauty of creative work. L. Kraichik, V. Etinger. Sots. trud 8 no. 9 155-157 S '63.

Dialectics overcome the system, problem ... the aesthetic views of Hegel. I. V... 7 no. 8 101-110 Ag '63.

Honcharenko, M. V. [Art and aesthetic ... Mystetstvo i estetychne vykhovannia. ... Akad. nauk URSR, 1963. 292 p.

Sholkin, K. V. [Outline history of the ... aesthetic thought in Russia; Old Russian ... from the 11th to the 17th century] Ocherki ... razvitiia esteticheskoi mysli v Rossii, ... estetika XI-XVII vekov. Moskva, V... 1963. 114 p.
(MIU)

AESTHETICS—BIBLIOGRAPHY see Bibliography—Aesthetics

AESTHETICS—STUDY AND TEACHING

Aesthetic training during reading le... gins. Nach. shkola 18 no. 9 ... '63.

Aesthetics of kindergarten life. K. ... boyskaia. Doshk. vosp. 10 no. ... '63.

Pioneers support it. Opinion. 11 no. ... '63.

AFFORESTATION see subdivision under ... Province, Crimea, Estonia; Siberia, ...

AFFORESTATION—EQUIPMENT AND SUPPLIES

RN-60 scarifier. V. E. Ivanitskii. Tekh. ... 33 no. 5 35-36 My '63.

Seeding apparatus of the SUL-1 planter. ... Pekhotnelkho... 28 no. 3 10-60 ... '63.

AFGHAN LITERATURE—HISTORY AND CRITICISM

New horizons of Afghan literature. N. ... Afr. sev. no. 9 87 S '63.

AFGHANISTAN—FOREIGN RELATIONS

L. I. Brezhnev in Afghanistan. Nov. ... O '63.

AFGHANISTAN—LOCALITIES

Morocco and desert localities in Afghanistan. ... monin. Zashch. rast. ot vred. i bol. ... '63.

AFGHANISTAN—TECHNICAL ASSISTANCE

A friend in clothes by. V. Gavrilin. ... 3-5 O '63.

AFRICA—BANKS AND BANKING

Brief information on foreign exchange ... Den. i kred. 21 no. 10, 90-93 O '63.

AFRICA—COLONIES

Alekseandrov, V. V. [Competition among ... states for the division of Africa, 1881-1914] ... parlamentskikh derzhav za razdel Afriki. ... Moskva, Vysshaia shkola, 1963. 83 p. (... studentu-istoriku)

AFRICA—DESCRIPTION AND TRAVEL

From the Pyramids to Lake Victoria. ... tukikh. Sov. voin. 45 no. 10 41-45 S '63.

AFRICA—ECONOMIC CONDITIONS

Has Africa made a poor start? Jean ... I Afr. sev. no. 10 54-55 O '63.

AFRICA—ECONOMIC POLICY

Economic unity of Africa; achievements ... L. Vinogradova. Mir. ekon. i mezhdunar. ... 23 '63.

AFRICA—FOREIGN ECONOMIC RELATIONS

Kwame Nkrumah's book on African affairs; a ... view. IU. Popov. Nov. vremia 21 no. ... '63.

The way to unity [with English summary in ... N. Gavrilov. Az. i Afr. sev. no. 9 ... '63.

AFRICA—FOREIGN ECONOMIC RELATIONS ... ECONOMIC COMMUNITY COUNTRIES

A new agreement with an old aim. IA. ... dunar. zhizn' 10 no. 9 112-113 S '63.

AFRICA—HISTORY

Golant, V. IA. [Continent of ancient culture, ... sketch on the past of the African people] ... drevnei kul'tury; populiarnyi ocherk o ... Afriki. Moskva, Uchpedgiz, 1963. 122 p.

AFRICA—LITERATURES

Problems of literature in the periodical "... Africanne." F. Breskina. Vop. lit. 7 no. ... '63.

AFRICA—MILITARY BASES, FOREIGN

Colonialist military bases in Africa. ... dunar. zhizn' 10 no. 9 78-84 S '63.

AFRICA—POLITICS

Africa rallies to the attack [with English ... insert]. V. Kudriavtsev. Az. i Afr. sev. ... S '63.

AFRICA – POLITICS (Continued)

After the Addis-Ababa Conference. A. Klimov. Mezhdunar. zhizn' 10 no.10 126-131 O '63

Economic unity of Africa, achievements and obstacles. L. Vinogradova. Mir. ekon. i mezhdunar. otn. no.9 15-23 '63

Hopes of Africa. M. Domogatskikh. Ogonek 41 no.22 8 My '63.

Kwame Nkrumah's book on African affairs; a book review. Yu. Popov. Nov. vrem. 21 no.12,29-31 O '63

The way to unity [with English summary in insert]. N. Gavrilov. Az. i Afr. seg. no.9:12-13 S '63.

AFRICA—PORTUGUESE COLONIES

Myth and reality. Yu. Oganisian. Mezhdunar. zhizn' 10 no.10 128-131 O '63.

AFRICA—RELATIONS (GENERAL) WITH RUSSIA

The association comments.... L. TSeitlin. Kul't. i zhizn' 7 no.4:37 '63

AFRICA—SPANISH COLONIES

Spanish colonies in Africa. V. Arkad'ev. Mir. ekon. i mezhdunar. otn. no.9 126-131 '63.

AFRICA—TRADE UNIONS

Setbacks for trade-union bosses [with English summary in insert]. Yu. Popov. Az. i Afr. seg. no.10 20-21 O '63.

There is a need for united actions. Ibrahim Zakaria. Vsem. prof. dvizh. no.7/8 1-2 Jl-Ag '63

AFRICA, EAST

[Countries of North and Northeast Africa, geographical information] Strany Severa i Severo-Vostochnoi Afriki, geograficheskie spravki. Moskva, Geografgiz, 1962. 39 p.
(CStmoR)

AFRICA, NORTH

[Countries of North and Northeast Africa; geographical information] Strany Severa i Severo-Vostochnoi Afriki, geograficheskie spravki. Moskva, Geografgiz, 1962 39 p.
(CStmoR)

AFRICA, WEST—PRAIRIES

Principles underlying the classification of savannas of West Africa and basic trends in their economy. P. B. Vipper. Biul. MOIP. Otd. biol. 68 no.5 37-43 S-O '63.

AFRICAN LITERATURE—HISTORY AND CRITICISM

Only together! [with English summary in insert]. M. Kurgantsev. Az. i Afr. seg. no.9:44-45 S '63.

AFRICAN STUDIES

"We study and learn." Jackson N. Kassi. Kul't. i zhizn' 7 no.4:36-37 '63.

AFRICAN STUDIES—CONGRESSES

They rewrite their history.... S. Smirnov. Kul't. i zhizn' 7 no.4:28-29 '63.

AFRICAN SWINE FEVER

African swine fever. IA. R. Kovalenko. Veterinariia 39 no.11 75-79 N '62

AFRO-ASIAN PEOPLE'S SOLIDARITY CONFERENCE MOSHI, 1963

Colonialist military bases in Africa. E. Ivanov. Mezhdunar. zhizn' 10 no.9,78-81 S '63.

AFRO-MALAGASY UNION

Afro-Malagasy Union and Addis Ababa. V. S. Mezhdunar. zhizn' 10 no.9:110-111 S '63.

AGED

Conditioned reflex activity of elderly people. V. D. Mikhailova-Lukasheva. Dokl. AN BSSR 7 no.7 492-497 Jl '63.

AGED—DISEASES

Histopathology of purpura senilis. L. D. Zherebtsov. Vest. derm. i ven. 37 no.1:53-56 Ja '63.

AGEEV, LEONID

Sun and earth. G. Kuznetsova. Znamia 33 no.9:223-224 S '63.

AGGLUTININS

Effect of pilocarpine on the accumulation of agglutinins in the blood of animals during immunization. M. S. Suleimanian, I. IA. Averbukh. Trudy TashNIIVS 5:159-164 '62

AGGREGATES

Extended function of a set. M. E. Kvachko. Izv. vys. ucheb. zav.; mat. no.4:61-66 '63.

Incommensurability of the minimal linear measure with the set length. A. G. Vitushkin, L. D. Ivanov, M. S. Mel'nikov. Dokl. AN SSSR 151 no.6:1256-1259 Ag '63.

Innumerable infinities. N. IA. Vilenkin. Znan.-sila 38 no.3:28-31 Mr '63.

Permutability of mappings. V. A. Liskovets, V. Z. Feinberg. Dokl. AN BSSR 7 no.6:366-369 Je '63.

AGGREGATES (BUILDING MATERIALS)
(see also subdivision under Caucasus, Northern)

Akademiia stroitel'stva i arkhitektury SSSR. Institut novykh stroitel'nykh materialov. [Instructions for testing material for the manufacture of agloporites] Ukazaniia po ispytaniiu syr'ia dlia proizvodstva agloporita, U 03 - 63. Moskva, Gosstroizdat, 1963 24 p.

Armenian S. S. R. Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for manufacturing elements from lightweight concrete using natural porous aggregates] Instruktsiia po izgotovleniiu izdelii iz legkikh betonov na estestvennykh poristykh zapolniteliakh. Moskva, Gosstroizdat, 1963. 86 p.

AGING

Blood vessels of the vagina from the viewpoint of aging. V. A. Gevorkian. Eksper. khir. i anest. no.1:27-31 '63

AGRICULTURAL ADMINISTRATION
(see also subdivision under Bershad' District, Georgiyevsk District, Kalinin Province, Moldavia, Slutsk District, Yermak District)

Kotovol, S. P., and G. I. Petrov. [Agricultural collective and state farm administrations] Proizvodstvennye kolkhozno-sovkhoznye upravleniia. [Leningrad] Izd-vo Leningr. univ., 1963. 43 p.

AGRICULTURAL CHEMICALS

Alliance between chemistry and stockbreeding. L. Bergel'son. Nauka i zhizn' 30 no.9 2-5 S '63.

Poisonous chemicals for collective orchards and farmers' personal plots. A. B. Frankin. Zashch. rast. ot vred. i bol. 8 no.9:38 S '63.

AGRICULTURAL CHEMICALS—SAFETY MEASURES

Disappointing omission in a reference book. A. G. Ball. Zashch. rast. ot vred. i bol. 8 no.4:62 Ap '63.

AGRICULTURAL ENGINEERING

Use of plastics in the agriculture of capitalist countries. L. N. Chernousova. Plast. massy no.10,63-65 '63.

AGRICULTURAL EXPERIMENT STATIONS see subdivision under Kuybyshev Province

AGRICULTURAL IMPLEMENTS see subdivision under Volyn' Province

AGRICULTURAL JOURNALISM see Journalism, Agricultural

AGRICULTURAL LAWS AND LEGISLATION

Bychkova, TS. V. [Legal problems in the supply of electric power to agriculture] Pravovi pytannia postachannia elektroenergii sil's'komu hospodarstvu. Kyiv, Vydvo Akad. nauk URSR, 1963. 96 p.

Taking into account special aspects of agriculture. L. Ostrovskii. Okh. truda i sots. strakh. 6 no.9 29-30 S '63.

AGRICULTURAL MACHINERY
(see also subdivision under Ukraine)

Approved for manufacture. Mekh. sil'. hosp. 14 no.4: 5, 11 Ap '63.

Approved for manufacture. Mekh. sil'. hosp. 14 no.5: 10, 12, 24-25 My '63.

Determining the pressure on the supports of agricultural loaders with a swinging boom. Yu. G. Rozental', E. V. Markovskaia, L. S. Kolchu. Trakt. i sel'khozmash. 33 no.4:19-23 Ap '63.

Improve the quality of placards. M. Kondrat'ev. Tekh. v sel'khoz. 23 no.3:90-91 Mr '63.

In the Scientific Technical Council of the All-Union Scientific Research Institute of Agricultural Machinery. S. V. Kardashevskii. Trakht. i sel'khozmash. 33 no.9 47 S '63.

Interchangeability of agricultural machinery by the weight. S. A. Akoptian, M. G. Shtanko. Standartizatsiia 27 no.9:3-8 S '63.

Regulator for a pneumatic blower-conveyor. Yu. N. Lipov, M. N. Fateev. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no.9:70-72 '63.

Review of the articles published in the periodical "Sel'skoe khoziaistvo za rubezhom." Tekh. v sel'khoz. 23 no.2:81-85 F '63.

Some problems in developing universal types of agricultural machines. M. I. Kletskin. Trakht. i sel'khozmash. 33 no.9:16-18 S '63.

Zubkov, B. V. [Universal and specialized machines; descriptions of the recent developments in agricultural machinery] Mashiny--universaly i spetsialisty; rasskazy o novinkakh sel'skokhoziaistvennoi tekhniki. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no.18)

AGRICULTURAL MACHINERY—BIBLIOGRAPHY see Bibliography—Agricultural machinery

AGRICULTURAL MACHINERY—CONGRESSES

Work at increased speeds. A. Semin, M. Golovoi. Tekh. v sel'khoz. 23 no.3:58 Mr '63.

AGRICULTURAL MACHINERY—DESIGN AND CONSTRUCTION

Efficient bent profiles of frame constructions for agricultural machines. G. G. Balovnev. Trakt. i sel'khozmash. 33 no.5:30-34 My '63.

New lighter-weight parts and units of agricultural machines. A. A. Gafanovich, L. N. Lavrent'ev. Trakt. i sel'khozmash. 33 no.5 27-30 My '63.

Using electron calculating machines in studying and designing the working surfaces of tillage machines. Yu. F. Novikov. Trakht. i sel'khozmash. 33 no.9 28-32 S '63.

AGRICULTURAL MACHINERY—ECONOMIC ASPECTS

Limits of the economic effectiveness of agricultural machines. V. S. Antoshkevich. Trakt. i sel'khozmash. 33 no.4:28-31 Ap '63.

AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR
(see also subdivision under Ukraine)

Effective method for machining holes. P. P. Tsikova, V. P. Monchenko. Trakt. i sel'khozmash. 33 no.1:42-43 Ap '63.

Evaluating the needs of specialized repairing enterprises. I. Levitskii and others. Tekh. v sel'khoz. 23 no.3: 61-63 Mr '63.

Improve the system of maintenance. Tekh. v sel'khoz. 23 no.3:1-4 Mr '63.

A necessary textbook. M. Mekhamed. Tekh. v sel'khoz. 23 no.2:60 F '63.

Putilseva, M. A., and others. [Technical maintenance of machines and tractors by expert machine adjusters] Tekhnicheskoe obsluzhivanie mashinno-traktornogo parka masterami-naladchikami. Moskva, Sel'khozizdat, 1963. 87 p.

Repairing based on a year-round schedule. I. Tsygankov. Tekh. v sel'khoz. 23 no.3:68 Mr '63.

A searcher. Yu. Leskov. Tekh. v sel'khoz. 23 no.3: 5-7 Mr '63.

Zubkov, B. V., and E. S Musilin. [Two hundred advices to rural mechanics] 200 sovetov sel'skim mekhanizatoram. [Moskva, Moskovskii rabochii] 1963. 87 p. (DNAL)

AGRICULTURAL MACHINERY—MODELS

Automatic machine for grain loading. Un. tekh. 7 no.6:76-77 Ag '63.

AGRICULTURAL MACHINERY—SAFETY MEASURES

Prevention of industrial traumatism among machine operators in agriculture. G. V. Isol. Okhrana truda i proiz. no.1 57-61 '63

AGRICULTURAL MACHINERY—STUDY AND TEACHING

For a high level of compulsory education. Tekh. v sel'khoz. 23 no.2:1-3 F '63.

From the Scientific Technological Society of the Machinery Industry. Notice to agricultural engineers, designers, and machine operators. Trakt. i sel'khozmash. 33 no.5:3 of cover My '63.

AGRICULTURAL MACHINERY—TECHNOLOGICAL INNOVATIONS see subdivision under Ukraine

AGRICULTURAL MACHINERY—TESTING

Conference on testing equipment. Yu. Belkin. Trakt. i sel'khozmash. 33 no.1:48 Ap '63.

Estimating the reliability and life of agricultural machines. M. I. Kletskin, I. P. Rabinovich, M. M. Tenenbaum. Trakt. i sel'khozmash. 33 no.5:1-4 My '63.

AGRICULTURAL MACHINERY—TRANSMISSION DEVICES

Unit for testing chain transmissions for wear. V. V. Usov. Trakt. i sel'khozmash. 33 no.4:31-32 Ap '63.

AGRICULTURAL MACHINERY—WHEELS

Investigating the performance of pneumatic driven wheels in mellow soils. A. E. Shavlokhov. Trakht. i sel'khozmash. 33 no.9 4-6 S '63.

AGRICULTURAL MACHINERY INDUSTRY
(see also subdivision under Rostov-on-Don)

Training engineers for the manufacture of agricultural machinery. S. IA. Podlipenskii. Trakht. i sel'khozmash. 33 no.9:45-47 S '63.

Using perlite wrought iron in agricultural m
K. E. Podkatilov,
33 no.5:42-4

AGRICULTURA
subdivisio

AGRICULTUI
STANDAR

AGRICULTU
Fedorov, M
Pod red. I
1963. 447

AGRICULTU
Bogdanov, I.
duction adv
stva v zon
Ekonomizd

Khrushchev,
high, regul
Conference
Caucasus i
ustoichivul
vannykh ur
sel'skogo k
dare 26 ser
1963. 47 p.

A prerequisi
Bel. 37 n

AGRICULTURAL WAGES
(see also subdivision under Cherkassy Province, Crimea)
[illegible] basic systems of collective farms. M. Marchenko. NTO 5 no. 5 25-27 My '63.

Further improvement of the principles of the system of agricultural wages. O. Shchukin, P. Bogatyrev, V. Mikhailov, and others. Vop. ekon. no. 5 42-50 S '63.

AGRICULTURAL WORKERS
(see also subdivision under Arzamas District, Kuban, Pskov, Province)

Certain social-economic differences between industrial and agricultural labor in the U.S.S.R. I. Sigov. Sots. trud no. 9 111-121 S '63.

AGRICULTURAL WORKERS—DISEASES AND HYGIENE

Prevention of skin diseases in agricultural workers. F. I. Goloshchapova. Med. sestra 22 no. 8 19-23 Ag '63

AGRICULTURAL WORKERS—EDUCATION AND TRAINING
See subdivision under Ul'yanovsk Province

AGRICULTURE
(see also subdivision under Caucasus, Northern, Chimkent Province, Desna Valley, Georgia, Kazakhstan, Rumania Ukraine)

Four thousand pages of agricultural journals. Tekh. v sel'khoz. 23 no. 2 31 F '63.

Important problems of agriculture. V. Morozov. Plan khoz. 40 no. 10 82-85 O '63

A practical basis for the building of the new society. Kommunist no. 17 79-83 N '63.

Sidor, L. I. [Division of labor in agriculture during the transition to communism] Razdelenie truda v sel'skom khoziaistve pri perekhode k kommunizmu. Moskva, Ekonomizdat, 1963. 262 p.

Soviet agriculture. René Dumont. Kul't. i zhizn' 7 no. 2 33-35 '63.

Soviet agriculture on the path to new achievements. Sots. trud no. 9 3-6 S '63.

AGRICULTURE—ABSTRACTS
[Agriculture, classed index of articles in foreign periodicals] Sel'. khoz.; sist. ukaz. st. v mostr. zhur. no. 7 '63.

AGRICULTURE—ACCOUNTING
Account fully for harvest production. Uchet i fin. v kolkhoz. i sov. khoz. 20 no. 7, 2-3 Jl '63.

AGRICULTURE—BIBLIOGRAPHY see Bibliography—Agriculture

AGRICULTURE—CONGRESSES
Kazanskii veterinarnyi institut. [Collection of papers of a scientific conference] Sbornik dokladov nauchnoi konferentsii. Kazan', 1963. 96 p.
(DNAL MICROFILM)

AGRICULTURE—COSTS
Improve the planning of agricultural production costs. M. Ratgauz. Plan khoz. 40 no. 10 61-65 O '63

AGRICULTURE—DICTIONARIES
[Agricultural encyclopedia] Lauksaimniecibas enciklopedija. Riga, Latvijas valsts izdevnieciba. [In Latvian]
Vol. 1. AAZ - Dzutas augs. 1962. 848 p.

AGRICULTURE—ECONOMIC ASPECTS
Industrial work in agriculture. P. Ignatovskii. Polit. samoobr. 7 no. 10 52-59 O '63.

1963 469 p.

AGRICULTURE—EXPERIMENTATION
Experimental work in a school. I. Ivanenko. Shkola i proizv. 7 no. 9 57 S '63.

AGRICULTURE—FINANCE
(see also subdivision under Andizhan Province)
New textbook on agricultural finance. F. G. Ivanov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7 44-45 Jl '63.

AGRICULTURE—LABOR PRODUCTIVITY
(see also subdivision under Kuban; Latvia; Ukraine)
Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut ekonomiki sel'skogo khoziaistva. [Resources and ways for increasing labor productivity in agriculture] Rezervy i puti povysheniia proizvoditel'nosti truda i sel'skom khoziaistve SSSR. Red. kollegiia: E. S. Kamaukhova i dr. Moskva, Ekonomizdat, 1962. 490 p.

AGRICULTURE—PERIODICALS
Read the journals published by the State Publishing House of Agricultural Literature (Julv). Zashch. rast. ot vred. i bol. 8 no. 8:54 Ag '63.

AGRICULTURE—SAFETY MEASURES
Blagoveshchenskii, G. V. [Principles of safety and fire-prevention techniques in agriculture] Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki v sel'skom khoziaistve. Moskva, Sel'khozizdat, 1963. 279 p.
(DNAL)

AGRICULTURE—STATISTICS
Our agriculture in the last ten years, figures and facts. Part. zhizn' no. 18 35-39 S '63.

AGRICULTURE—STUDY AND TEACHING
(see also subdivision under Altai Territory, Kabardino-Balkar A.S.S.R., Kuybyshev Province, Orenburg Province, Penza Province, Russia, Northern; Stavropol Territory, Ukraine, Voronezh Province)

All-Russian congress on the production training of rural students. L. Druzdov. Sov. pedag. 27 no. 8 150-152 Ag '63

Brigades recruit their forces. N. N. Demidov. Shkola i proizv. 7 no. 9 16-17 S '63.

Carry out the precepts of Ilich in everything! N. S. Khrushchev. Semlia i shkola 18 no. 5 1 My '63.

Conducting classes on the subject "Fertilizers." A. I. Sollerov. Shkola i proizv. 7 no. 9 34-37 S '63.

E. I. Afanas'enko, Minister of Education of the R.S.F.S.R., answers the questions of conference members. Shkola i proizv. 7 no. 9 33-34 S '63.

Forty-fifth anniversary of the young naturalist movement. V. A. Ponomarev. Biol. v shkole no. 3 50-55 My-Je '63.

Friendship between a school and a state farm. A. V. Kuz'mina. Shkola i proizv. 7 no. 9 26 S '63

Let's raise the level of production instruction. A. A. Andreev. Shkola i proizv. 7 no. 9 22-23 S '63

Man grows and matures. A. T. Lisavina. Shkola i proizv. 7 no. 5 24 S '63.

Matter of state importance. A. N. Dmitriuk. Shkola i proizv. 7 no. 9 17-18 S '63

On collective and state farm assignments. P. K. Lisenenko. Shkola i proizv. 7 no. 9 23 S '63

Our common task. V. N. Ersnov. Shkola i proizv. 7 no. 9 10-16 S '63.

The school as a model for the farms of the district. F. Medvedutskov. Prof.-tekh. obr. 20 no. 7 24-26 Jl '63

Socially useful work is the best educator. N. Kasiutin, E. Vendro. Shkola i mol. no. 4 24-26 Jl-Ag '63.

Their work flows into the work of the republic. R. S. Ismagilov. Shkola i proizv. 7 no. 9 27 S '63.

To the Central Committee of the CPSU, the First Secretary of the Central Committee of the CPSU and Nikita Sergeevich Khrushchev, the Chairman of the Council of Ministers of the U.S.S.R. Shkola i proizv. 7 no. 9 2-3 S '63.

Toward new successes in the training of youth. V. I. Kochemasov. Shkola i proizv. 7 no. 9 35-36 S '63.

Useful aid for rural school teachers, on A. A. Shibanov's book "Technical and production instruction in rural schools". P. A. Chernomaz. Biol. v shkole no. 3 90-91 My-Je '63.

Young masters of the earth. Biol. v shkole no. 3 36-40 My-Je '63

AGRICULTURE, COOPERATIVE see subdivision under Ukraine

AHUND-ZÂDE, FETH ALI, 1812-1878
Dzhafarov, D. G. [M. F. Akhundov; an account of his life and works] M. F. Akhundov, kritiko-biograficheskii ocherk. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 205 p.
(NIC)

AIR
(see also subdivision under Pacific Ocean)
More on the usefulness of air. E. Zabludovskaia. Doshk. vosp. 36 no. 8 96-99 Ag '63.

AIR—ANALYSIS
Methods of determining some organic air contaminants. M. V. Nekrasova. Pred. dop. kontsent. atmosf. zagr. no. 7 105-116 '63.

Spectrophotometric method of analysis in an ultraviolet spectrum field in determining some air contaminants. M. D. Manita. Pred. dop. kontsent. atmosf. zagr. no. 7 117-125 '63.

AIR—POLLUTION
Accelerated method to determine air pollution by daughter products of radon in medical institutions. I. I. Gusarov, V. K. Liapidevskii. Med. rad. 7 no. 12:63-67 D '62.

Apparatus for using automatic control in the continuous inoculation of animals. B. K. Baikov, V. I. Shul'gin. Pred. dop. kontsent. atmosf. zagr. no. 7, 99-104 '63.

Experimental data on the hygienic importance of air pollution by styrene. Li Shen [Li Sheng]. Pred. dop. kontsent. atmosf. zagr. no. 7, 32-51 '63.

Hygienic importance and effect of small concentrations of phenol on the organism of humans and animals. B. Mukhitov. Pred. dop. kontsent. atmosf. zagr. no. 7: 78-98 '63.

Hygienic importance of air pollution by dimethylformamide. D. G. Odoshashvili. Pred. dop. kontsent. atmosf. zagr. no. 7 52-65 '63.

Materials for a basis for the maximum allowable concentration of nitrogen peroxide in the air. [illegible] chul'. Pred. dop. kontsent. atmosf. [illegible] '63.

Pollution of air by furfurole and its derivatives. R. Kh. Abdullaev. Pred. dop. kontsent. atmosf. zagr. no. 7 11-31 '63.

Pollution of the atmosphere by industrial enterprises, the anomalous conditions of atmospheric diffusion and others. Meteor. i gidrol. [illegible]

Results of studies conducted in 1961 on the maximum allowable concentrations of air contaminants. R. D. Kabakhidze. Pred. dop. kontsent. atmosf. [illegible] 10 '63.

A review of laws on the control of air pollution. Aldoshina. Vest. Mosk. un. Ser. 10 [illegible] 68 Jl-S '63.

"Sanitary protection of air against the emissions of ferrous metallurgy" by D. N. Lapin reviewed by R. D. Gabovich. Vrach. delo no. [illegible] '63.

AIR—PURIFICATION
Device for the control of air sterility in [illegible] antibiotic feeds. V. P. Borisov, T. N. [illegible] Gorbach. Spirt. prom. 29 no. 6, [illegible]

AIR, IONIZED—PHYSIOLOGICAL EFFECT
(see also subdivision under Kiev)
Effect of aerosols of different polarity on [illegible] the complement titer. G. K. Truffanova, [illegible] Zakh. Sib. Ser. med. nauk no. 2:68-72 '63.

Effect of aerosols of different polarity on the [illegible] and picture of anaphylactic shock in rabbits. [illegible] fievsy. Lev. AN Kazakh. SSR. Ser. med. [illegible] '63.

AIR, IONIZED—THERAPEUTIC USE
Changes in the vascular reactivity in hypertensive patients under the influence of a single [illegible] positively charged ions. G. G. Lifenko, [illegible] Kazakh. SSR. Ser. med. nauk no. 1:47-49 '63.

Effect of air ions on some aspects of the [illegible] in hypertension patients. G. G. Lifenko, [illegible] Kazakh. SSR. Ser. med. nauk no. 1:43-46 '63.

Effect of air ions on the cilliate epithelium. [illegible] mov, O. V. Eryzev. Lev. AN Kazakh. SSR. [illegible] nauk no. 1:47-52 '63.

AIR COMPRESSORS
Nazarenko, U. P. [Operation of piston-type air compressors] Eksploatatsiia vozdushnykh porshnevykh kompressorov. Moskva, Gosenergoizdat, 1963. [illegible] (Biblioteka elektromontera, no. 90)

AIR CONDITIONING—EQUIPMENT AND SUPPLIES
Khalameizer, M. B. [Fundamentals of the control of air-conditioning systems] Osnovy avtomatskogo regulirovaniia ustanovok konditsionirovaniia vozdukha. Moskva, Mashgiz, 1963. 215 p.

AIR DEFENSES
Anti-rocket and space defenses. S. P. [illegible] 46 no. 8:27-34 Ag '63.

AIR FLOW
Comments on M. A. Gol'dshtik's article "[illegible] a thin wire heated by alternating current in [illegible] air flow." A. L. Parnas. Inzh.-fiz. zhur. [illegible] 137 Ag '63.

Experimental study of the effect of vibration [illegible] and mass transfer between a cylinder and [illegible] turbulent air flow [with summary in English] Chernyakov. Inzh.-fiz. zhur. 6 no. 8 10 [illegible]

AIR PILOTS
High boundary. D. Vlasov. Sov. voin 14 [illegible] '63.

In the sky and on the earth. Mikhail Vodop'ian. Semlia i shkola 18 no. 9 13-14 S '63.

AIR PREHEATERS
Causes for the breakdown of air preheaters. [illegible] skii and others. Metallurg 8 no. 8:11 [illegible]

Causes of the pulsation in blast furnace air preheaters. M. V. Akhontov, E. V. Toropov, A. D. Ivanov [illegible] 23 no. 9 778-781 S '63.

Complex automation of blast furnace air preheaters. N. M. Mishchenko and others. Stal' 24 [illegible] Je '63.

AIR-PRESSURE SUPPORT
Gubenko, A. B., ed. [Inflatable structures] [illegible] cheskie aerolet'nye konstruktsii. [By] A. B. Gubenko [illegible] dr. Moskva, Gosstrolizdat, 1963. 125 p.

AIR WARFARE
Air support of the troops. V. Pavlikov. Vozdush. [illegible] 43 no. 9:23-26 S '63.

AIRCRAFT—DYNAMICS
Controlled motions of winged flying craft of variable [illegible] terns in a plane of symmetry. G. V. Alexandrov, [illegible] Sviatodukh. Inzh. zhur. 3 no. 1:3-11 '63.

AIRFOILS

Aerodynamic characteristics of profiles and airfoils with blunt leading edges at high supersonic speeds. V. I Khokhlov. Izv. vys. ucheb. zav., av. tekh. 6 no. 3 43-50 '63

Lift and the moment of a thin airfoil in an arbitrary unsteady flow. A. I. Golubinskii. Inzh. zhur. 3 no. 3 442-445 '63

AIRPLANE INDUSTRY—MANAGEMENT

Ol'shevets, L. M., and N. A. Orlov, eds. [Organization, planning and economics of airplane production] Organizatsiia, planirovanie i ekonomika aviatsionnogo proizvodstva. [By] D. P. Andrianov i dr. Moskva, Oborongiz, 1963. 694 p.

AIRPLANES

Engineer and the development of airplane equipment. M. Riabovskii. Av. i kosm. 46 no. 9 52-56 S '63

Shebnin, V. M. [Weight and transportation efficiency of passenger planes] Vesovaia i transportnaia effektivnost' passazhirskikh samoletov. Moskva, Oborongiz, 1962. 362 p.

AIRPLANES—ENGINES—ABSTRACTS

[Aircraft and rocket engines] Ref. zhur. - Av. i raket. dvig. no. 10 O '63.

AIRPLANES—FLIGHT TESTING

Gallai, M. L. [Tested in the sky; continuation of the memoirs of a test pilot, "Over invisible barriers"] Ispytano v nebe, prodolzhenie zapisok letchika-ispytatelia "Cherez nevidimye bar'ery." [Moskva] Molodaia gvardiia, 1963. 267 p.

AIRPLANES—LANDING

Landing of an airplane. E. B. Mikirtumov. Vest. protivovozd. obor. no. 11:36-39 N '61.

AIRPLANES—LUBRICATION AND LUBRICANTS see subdivision under Baku

AIRPLANES—MAINTENANCE AND REPAIR

Young but responsible. I. Kozheduh. Starsh. serzh. no. 5:14-15 My '63.

AIRPLANES—PNEUMATIC EQUIPMENT

Ryzhov, B. M. [Airplane piston compressors] Aviatsionnye porshnevye kompressory. Moskva, Oborongiz, 1963. 330 p.

AIRPLANES—RADIO EQUIPMENT

Use of transistor diodes. V. T. Paskevich. Vest. protivovozd. obor. no. 11:40-41 N '61.

AIRPLANES, MILITARY—MAINTENANCE AND REPAIR

An important task of maintenance personnel. I. P. Narbut. Vest. protivovozd. obor. no. 11:33-35 N '61.

AKMOLINSK see Tselinograd

AKTYUBINSK—CHEMICAL INDUSTRIES—MANAGEMENT

Put the collective's suggestions into practice. I. Zil'bershtein. Nar. khoz. Kazakh. 21 no. 1 25-27 Ap '63

AKTYUBINSK PROVINCE—CHROMITE

Refractories made of Kompirsay chromite ores. P. N. Babin, R. G. Prokhorova. Trudy Inst. met. i obog. AN Kazakh. SSR. 6 181-185 '63.

AKTYUBINSK PROVINCE—MILLET—WATER REQUIREMENTS

Water balance of millet in the dry steppe zone of Aktyubinsk Province. M. A. Murzamadieva. Vest. sel'khoz. nauki [Kazakh.] 6 no. 8:35-43 Ag '63

AKTYUBINSK PROVINCE—PHOSPHATES

Put Aktyubinsk phosphates into production. B. Miletskii. Nar. khoz. Kazakh. 21 no. 7:07-68 Jl '63.

ALAKUL' DEPRESSION—POPPY

Developing poppy planting in the Alakul' Depression. M. A. Belokopytova. Trudy Otd. geog. AN Kazakh. SSR no. 10:180-185 '63.

ALAKUL' DISTRICT—BLOOD—ANALYSIS AND CHEMISTRY

Picture of the peripheral blood in the healthy population of the southeastern zone of Kazakhstan. T. Sh. Shaimanov, F. K. Kazaeva. Izv. AN Kazakh. SSR. Ser. med. nauk no. 2, 78-80 '63

ALAPAYEVSK—METALWORKERS

I can't be punished. D. Vladimirov. Part. zhizn' no. 19, 44 O '63.

ALASKA—ECONOMIC GEOGRAPHY

Agranat, G. A., A. B. Kuprianov, and V. F. Puzanova. [Population and resources of the American North] Naselenie i resursy Amerikanskogo Severa. Moskva, Izd-vo Akad. nauk SSSR, 1963. 229 p.

ALASKA—SOCKEYE SALMON

Review of T. Koo's book "Studies of Alaska red salmon" [in English]. G. V. Nikol'skii. Vop. ikht. 3 no. 3 570-572 '63.

ALATAU, DZUNGARIAN see Dzungarian Alatau

ALATAU, ZAILIYSKIY see Trans-Ili Alatau

ALBEDO

Some radiation properties of lakes, reservoirs, and seas [with summary in English]. V. A. Rutkovskaia. Trudy Inst. okean. 57 117-132 '62

ALBUMIN

Juxtaposition of the chemical and electrophoretic methods of determining the albumin-globulin coefficient. Iu. A. Khavkin, V. A. Vasil'ev. Trudy TashNIIVS 5:167-174 '62

ALCHEVS'KA, KHRYSTIA, 1882-1932

The pen name "Ukrainka" in A. I. Hertzen's periodical "Kolokol." T. M. Riznychenko. Rad. lit. 7 no. 5:139-141 S-O '63.

ALCOHOL

Physicochemical properties of water-alcohol-sugar solutions. S. E. Kharin, V. L. TSelinskaia. Spirt. prom. 28 no. 6 8-11 '62.

ALCOHOL IN THE BODY

Desirability of a postmortem quantitative determination of alcohol in the contents and tissues of the stomach. L. N. Namestnikova, Iu. P. Edel', L. A. Semenenko. Sud.-med. ekspert. 6 no. 3:55 Jl-S '63

Expert evaluation of the dynamics of ethyl alcohol distribution within the organism in a medicolegal postmortem examination. P. I. Novikov. Sud.-med. ekspert. 6 no. 3:13-17 Jl-S '63

Specificity of the spectrophotometric method of determining ethyl alcohol in the blood and urine of human corpses. I. S. Karandaev. Sud.-med. ekspert. 6 no. 3 18-22 Jl-S '63.

ALCOHOLICS

Editor's mail. Semia i shkola 18 no. 6:30-35 Ag '63.

ALCOHOLISM

All for one and one for all. L. Fadeev, V. Lipatov. Sov. deput. trud. no. 9:82-85 S '63.

Review of V. A. Baliakin's book "Toxicology and expertise of alcoholic intoxication." By A. I. Grinberg, V. N. Bokarius. Sud.-med. ekspert. 6 no. 3 59-61 Jl-S '63

ALCOHOLISM—BIBLIOGRAPHY see Bibliography—Alcoholism

ALCOHOLS

Instability constants of dipolyolgermanium complexes. V. A. Nazarenko, G. V. Tikhonova. Zhur. neorg. khim. 8 no. 10:2271-2275 O '63.

Interaction of hot atoms of tritium with aliphatic alcohols in the liquid phase. An. N. Nesmeianov, TS'ian Tai-van [Chiang T'ai-wang], L. S. Filatov. Radiokhimiia 5 no. 4 515-516 '63.

Nitroalkyd resins. Report No. 1. Condensation polymerization of adipic acid with nitrodiols and nitrotriols. L. M. Kozlov, V. I. Burmistrov, A. P. Sharnina. Trudy KKHTI no. 30:128-135 '62

Nitroalkyd resins. Report No. 2. Synthesis of resins based on polyhydric nitro alcohols in maleic acid. L. M. Kozlov, V. I. Burmistrov, N. N. Khalitova. Trudy KKHTI no. 30 136-143 '62.

Nitroalkyd resins. Report No. 3: Condensation polymerization of glutaric and pimelic acids with nitrodiols and nitrotriols. L. M. Kozlov, V. I. Burmistrov, A. P. Sharnina. Trudy KKHTI no. 30, 144-147 '62.

Nitroalkyd resins. Report No. 6: Condensation polymerization of nitrodiols and nitrotriols with oxalic, malonic, and succinic acids. L. M. Kozlov and others. Trudy KKHTI no. 30:161-160 '62.

Studying the properties of individual alkyl sulfates and alkyl sulfates from synthetic aliphatic alcohols. A. A. Leshuis, A. M. Karnaukh, Z. P. Delnekhovskaia. Maslzhir. prom. 28 no. 8:22-24 Ag '63.

Vsesoiuznyi nauchno-issledovatel'skii institut neftekhimicheskikh protsessov. [Oxo synthesis; oxo process production of aldehydes, alcohols, and secondary products based on them] Oksosintez; poluchenie metodom oksosinteza al'degidov, spirtov i vtorichnykh produktov na ikh osnove. Leningrad, Gostoptekhizdat, 1963. 213 p.

ALDAN PLATEAU—GEOLOGY, STRUCTURAL

A case of horizontally stratified Archean layers in the Aldan Shield. A. K. Basharin. Geol. i geofiz. no. 4:124-126 '63.

ALDEHYDES

Reactions of aldehydes and ketones with phosphorous acid amides. Report No. 5: Action of α-chloro-substituted aldehydes and ketones on di-β-chloroethylphosphorous acid diethylamide. N. A. Il'ina, A. P. Lukovnikova, V. S. Abramov. Trudy KKHTI no. 30:40-44 '62.

Some observations concerning the formation of aldehydes under the conditions of continuous fermentation. M. T. Denshchikov, S. S. Rylkin, A. Iu. Zhvirblianskaia. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no. 9:14-18 '62.

Use of the iodometric method for determining aldehydes. M. T. Denshchikov, S. S. Rylkin, A. Iu. Zhvirblianskaia. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no. 9:12-14 '62.

Vsesoiuznyi nauchno-issledovatel'skii institut neftekhimicheskikh protsessov. [Oxo synthesis; oxo process production of aldehydes, alcohols, and secondary products based on them] Oksosintez; poluchenie metodom oksosinteza al'degidov, spirtov i vtorichnykh produktov na ikh osnove. Leningrad, Gostoptekhizdat, 1963. 213 p.

ALEKSANDRENKO, ILIB VASYL'OVYCH, 1898-1963

Brief news. Rad. pravo no. 3, 115-117 My-Je '63.

ALEKSANDROV, MIKHAIL STEPANOVICH, 1863-1963

Two books about Ol'minskii. B. Baluev. Sov. pech. no. 9, 14-16 S '63.

ALEUTS

Museum materials on Aleuts, based on materials of the Museum of Anthropology and Ethnology. R. G. Liapunova. Sbor. Muz. ant. i etn. 21 149-171 '63.

ALEXANDRIA—ARCHITECTURE, ANCIENT

Mysteries and discoveries. Nauka i rel. 4 no. 5 16-17 My '63

ALFALFA

Effect of growth promoting substances on tubercle formation and the growth of alfalfa plants. M. Kh. Chailakhian and others. Dokl. AN Arm. SSR 36 no. 3 189-192 '63.

ALGAE

(see also subdivision under Ik, Lake, Omsk Province; Kerguelen Islands, Murman Coast; Tomsk Province)

Experimental study of the variability of cell forms in some varieties of Pediastrum boryanum(Turp.) Menegh. P. P. Gorlachev. Bot. zhur. 48 no. 8, 1205-1207 Ag '63

Procurement, preservation and use of water-plants for academic purposes. F. F. Koshkina. Biol. v shkole no. 3:87-88 My-Je '63.

ALGAE—CULTURES AND CULTURE MEDIA

Automatic control of algal cultures. E. A. Ivanov, I. V. Aleksandrova. Usp. sovr. biol. 56 no. 1:90-97 Jl-Ag '63

ALGAE, FOSSIL see subdivision under Chusovaya Valley

ALGEBRA, UNIVERSAL

Universal algebras with regular but noncommutative congruences. I. I. Valutse. Usp. mat. nauk 18 no. 3: 145-148 My-Je '63.

ALGEBRAS, LINEAR

Faddeev, D. K., and V. N. Faddeeva. [Computation methods in linear algebra] Vychislitel'nye metody lineinoi algebry. Izd. 2., dop. Moskva, Fizmatgiz, 1963. 734 p.

Kargapolevich, F. I., and L. E. Sadovskii. [Elements of linear algebra and linear programming] Elementy lineinoi algebry i lineinogo programmirovaniia. Moskva, Fizmatgiz, 1963. 274 p. (Izbrannye glavy vysshei matematiki dlia inzhenerov i studentov vtuzov)

ALGERIA—COMMERCE

The Algerian National Democratic Republic. IU Organisian. Vnesh torg. 13 no. 9 19-21 '63

ALGERIA—ECONOMIC CONDITIONS

The Algerian National Democratic Republic. IU Organisian. Vnesh torg. 13 no. 9 19-21 '63

ALGERIA—HISTORY

"The national liberation movement in Algeria, 1930-1962" by R. G. Landa. Reviewed by M. S. Lazarev. Vop. ist. 38 no. 9:122-123 S '63.

ALGERIA—MEDICAL ASSISTANCE, RUSSIAN

They are headed for Algeria. Sov. Kras. krest. 13 no. 2-29 Mr-Ap '63.

ALGERIA—MINES, MILITARY

Soviet combat engineers in Algeria. IA. Davydov, V. Levin. Voen. vest. 43 no. 9:95-96 S '63.

ALGERIA—POLITICS AND GOVERNMENT

Development of the revolution in Algeria. R. Landa. Nov. vrem. 21 no. 37 9-11 S '63.

The people approve. V. Korablev. Mezhdunar. zhizn' 10 no. 10:118-119 O '63.

ALGERIA—RELATIONS (GENERAL) WITH RUSSIA

Our commentaries. Nov. vrem. 21 no. 40:1-3 O '63.

ALGERIA—WOMEN

The struggle for a new Algeria. Atika Gadiri. Az. i Afr. segi. no. 9:41 S '63.

ALGORITHMS

Operator description of translation algorithms (to be continued). O. S. Kulagina. Mash. perev. i prikl. ling. no. 2:6-22 '59.

ALIAMOVSKII, NIKANOR IVANOVICH, 1895-1963

Nikanor Ivanovich Aliamovskii; obituary. Pochvovedenie no. 9:111 Ag[i.e. S] '63.

ALIMENTARY CANAL

Use of the isotope method for the study of absorption from the digestive tract. D. E. Grodzenskii, K. S. Zamychkina. Med. rad. no. 1:71-76 '63.

ALIMENTARY CANAL—DISEASES

Diagnosis of gastrointestinal diseases in infants according to consultation data N V Lvova, T V Artemova. Zdra. Kazakh 23 no 2 57-61 '63.

Effectiveness of colimycin and mycerin in gastrointestinal diseases of calves and piglets V F Grezin and others. Veterinariia 39 no 11 67-68 N '62

Functional disorders of the gastrointestinal tract. M. P. Shimes. Med. sestra 22 no 9:12-16 S '63.

ALIMENTARY CANAL—INNERVATION

Mechanism of changes in the lymph circulation induced by stimulation of the mechanoreceptors of organs of the gastrointestinal tract R S Vasil'chenko and others. Izv AN Kazakh. SSR Ser. med nauk no 2 3-12 '63

ALKALI METAL BOROHYDRIDES—SPECTRA

Study of metal borohydrides and related compounds by the method of nuclear magnetic resonance (a preliminary report). K. N. Mochalov, S. G. Salikhov. Trudy KKHTI no. 30 282 '62.

ALKALI METAL CHLORIDES

Interaction of niobium oxychloride with alkali metal chlorides and the thermal stability of pentachlorooxyniobates. I S. Morozov, V. A. Kokshin. Zhur. neorg. khim. 8 no 10:2376-2380 O '63.

Interaction of tungsten hexa- and pentachloride with sodium and potassium chlorides. I. V. Vasil'kova, N.D. Zaitseva, P. S. Shapkin. Zhur. neorg khim. 8 no 10 2380-2384 O '63.

Interaction of vanadium trichloride with sodium, potassium, and rubidium chlorides. S. A. Shchukarev, I. L. Perfilova. Zhur. neorg. khim. 8 no. 9 2108-2108 S '63.

Systems RbCl - WCl_6, RbCl - WCl_5, CsCl - WCl_6, and CsCl - WCl_5. I. V. Vasil'kova, N. D. Zaitseva, V. A. Petrova. Zhur. neorg. khim. 8 no. 10:2369-2371 O '63

ALKALI METAL COMPOUNDS

Effect of alkali metal cations on the formation of thiocyanate complexes of lead (II). V E. Mironov, F. IA. Kul'ba, O. I. Trifonov. Zhur. neorg. khim. 8 no 9 2113-2117 S '63.

ALKALI METAL HALIDE CRYSTALS

Spin-orbital splitting of hole zones in alkali halide crystals. K. B. Tolpygo, D. I. Sheka Fiz tver tela 5 no 9: 2609-2619 S '63.

ALKALI METAL HALIDE CRYSTALS—THERMAL PROPERTIES

Relaxation of residual stresses in the annealing of single crystals of alkali halide compounds B A Reznikov Kristalografiia 8 no 5 808-811 S-O '63

ALKALI METAL HALIDES

Reaction of urea with sodium and potassium halides Report No. 2, A. G. Bergman, K. Nogoev Izv AN Kir SSR. Ser. est. i tekh. nauk 5 no 4,59-67 '63

Reaction of urea with sodium and potassium halides Report No 3, A. A. Bergman, K Nogoev Izv AN Kir SSR Ser. est. i tekh nauk 5 no 4 69-77 '63

Stable cross sections of the quaternary reciprocal system consisting of fluorides and chlorides of lithium, sodium, and potassium. A. G. Bergman, S. I. Berezina, E. L. Bakumskaia. Zhur. neorg. khim 8 no. 9:2144-2147 S '63.

Ternary reciprocal system consisting of fluorides and chlorides of lithium and potassium S. I. Berezina, A. G. Bergman, E. L. Bakumskaia. Zhur. neorg. khim. 8 no. 9:2140-2143 S '63.

ALKALI METAL PEROXIDES

Energy of elementary events of formation of the peroxide ion. M. M. Pavliuchenko, T. I. Popova. Dokl. AN BSSR 7 no. 7 456-458 Jl '63.

ALKALI METALS

Effect of alkali metal cations on the formation of chloride complexes of bismuth. V. E. Mironov and others. Zhur. neorg. khim. 8 no 10:2318-2322 O '63.

ALKALI METALS—SPECTRA

Excitation functions of atoms of certain alkali metals. I. P. Zapesochnyi, L. L. Shimon. Izv. AN SSSR. Ser. fiz. 27 no. 8 1037-1039 Ag '63.

ALKALIES

Interaction of potassium hexafluorohafniate with ammonia and alkalies. I. A. Sheka, A. A. Lastochkina. Zhur. neorg. khim. 8 no. 10 2295-2301 O '63.

ALKALINE EARTH COMPOUNDS

Separation of radioactive cesium from seawater. Part 2: Separation of cesium as a compound with alkaline earth ferrocyanides. L. M. Ivanova, V. P Shvedov. Radiokhimiia 5 no. 2:185-189 '63.

ALKALINE EARTH NITRITES

Differential thermal analysis of binary systems of nitrites of thallium and alkaline earth metals. P. I. Protsenko, N. A. Brykova. Zhur. neorg. khim. 8 no. 9: 2163-2167 S '63.

ALKALINE EARTH OXIDES

Energy of elementary events of formation of the peroxide ion. M. M Pavliuchenko, T. I. Popova. Dokl. AN BSSR 7 no. 7 456-458 Jl '63.

ALKALOIDS

Alkaloids from Haplophyllum folosum. Haplopholin. I. M. Labkhutinova, G. P. Sidiakin, S. IU. Yunusov. Uzb. khim. zhur. 7 no. 4 41-43 '63.

Investigation of the location of glycoalkaloids in the tissues of Solanum aviculare Forst by fluorescence microscop. V. P. Moskaleva, T. V. Goncharova Bot zhur. 48 no. 8:1208-1210 Ag '63.

ALKANES see Paraffins

ALKYD RESINS

Nitroalkyd resins. Report No 1: Condensation polymerization of adipic acid with nitrodiols and nitrotriols. L. M. Kozlov, V. I Burmistrov, A P Sharnina Trudy KKHTI no. 30 128-135 '62

Nitroalkyd resins Report No. 2 Synthesis of resins based on polyhydric nitro alcohols in maleic acid L. M Kozlov, V. I. Burmistrov, N. N Khalitova. Trudy KKHTI no 30 136-143 '62

Nitroalkyd resins. Report No 3: Condensation polymerization of glutaric and pimelic acids with nitrodiols and nitrotriols L. M Kozlov, V I Burmistrov, A. P. Sharnina Trudy KKHTI no 30 144-147 '62

Nitroalkyd resins Report No. 4 Polynitroesters based on terephthalic and isophthalic acids L. M Kozlov, V I Burmistrov, L K Abramovich. Trudy KKHTI no 30 148-154 '62

Nitroalkyd resins. Report No. 5: Synthesis of nitroalkyd resins based on phthalic and 3-nitrophthalic acids. L. M. Kozlov, V. I Burmistrov, M N Khannanova Trudy KKHTI no 30 155-160 '62.

Nitroalkyd resins Report No 6: Condensation polymerization of nitrodiols and nitrotriols with oxalic, malonic, and succinic acids L. M Kozlov and others. Trudy KKHTI no. 30:161-169 '62.

ALKYL BROMIDES

Role of high energy reactions in the processes of stabilization of bromine 82 hot atoms in alkyl bromides. An. N. Nesmeianov, E. S. Filatov. Radiokhimiia 5 no 3 378-389 '63.

ALL-UNION COMMUNIST PARTY (BOLSHEVIK) see Communist Party of the Soviet Union

ALLANITE see subdivision under Dniester Valley

ALLERGY

Delayed type of hypersensitivity N. V Medunitsyn. Usp. sovr. biol 56 no 1 77-89 Jl-Ag '63

Determination of penicillin and streptomycin allergy using an intradermal test. V. I Andriute. Zdravookhranenie 6 no. 2 17-22 Mr-Ap '63.

Effect of dimedrol on the development of Burnet's allergic test. A. A. Tutunov Izv. AN Kazakh. SSR Ser med. nauk no. 2 81-84 '63.

Mechanism of the development of delayed allergic reaction [with summary in English]. A. N. Gordienko, I. M Bondarev. Pat. fiziol i eksp terap. 7 no 1 52-55 Ja-F '63

Zdrodovskii, P. F. [Problems of infection, immunity, and allergy] Problemy, infektsii, immuniteta i allergii. Moskva, Medgiz, 1963. 466 p. (DNLM)

ALLEVARDITE

Variety of allevardite containing sodium [with summary in English] Z. M. Liashkevich Min. sbor. no. 18: 421-430 '62.

ALLOYS

Effect of certain alloying components on the properties of austenite stainless steels. M. Prazak, V. Cihal, J. Měchura. khim. mashinostr. no. 5:23-28 S-O '63

ALLOYS—HARDENING

Change in the fine texture of alloy EI-437 in dispersion hardening. K. V. Gorev, R. L. Tofpenets, L. T. Mendeleev. Dokl. AN BSSR 7 no. 7 474-476 Jl '63.

ALLOYS—METALLURGY

Rare-earth metal alloys. V. F. Terekhova. Metalloved. i term. obr. met. no. 8 47-53 Ag '63.

ALLOYS—TESTING

Investigating the wear resistance of experimental and standard brands of hard alloys subjected to grinding. S. P. Shubashov. Izv. vys. ucheb. zav., mashinostr. no. 6:208-216 '63.

ALLOYS—THERMAL PROPERTIES

Conservation of constant proportions in binary alloys allowed to evaporate from an open surface into a vacuum. R. G. Avarbe, S. S. Nikol'skii. Teplofiz. vys. temp. 1 no. 1:39-44 Jl-Ag '63.

ALMA-ATA—ACANTHOPHYLLUM

Germination of the seeds of Acanthophyllum gypsophiloides under field conditions. S. B. Bespaev. Trudy Alma-At. bot. sada 7 109-120 '63.

Some cytoembryological data on Acanthophyllum gypsophiloides Rgl V I Fursov, S. B. Bespaev Trudy Alma-At. bot sada 7 121-124 '63.

ALMA-ATA—BOTANY, MEDICAL

Cultivation of medicinal plants in the Alma-Ata Botanical Garden S. I. TSitsina, N. V Vislogazova Trudy Alma-At bot sada 7 149 166 '63

ALMA-ATA—CONSTRUCTION INDUSTRY—ACCOUNTING

Applying the standard accounting method for the production expenditures of the Alma-Ata Housing Construction Combine. G. Olitskii. Ekon. stroi. no. 5 S '63.

ALMA-ATA—CONSTRUCTION INDUSTRY—COSTS

First results of economic experiment. N I Ilkin. Ekon. stroi. no. 9,32-34 S '63.

ALMA-ATA—FACTORIES—DESIGN AND CONSTRUCTION

We shall prepare, change, finish... L. I. Nar. khoz. Kazakh 21 no 1:64-65 Ap '63

ALMA-ATA—FOUNDING

Enterprise, culture and aesthetics. V. Prikhod'ko. Nar. khoz. Kazakh 21 no. 7: 58-60 Jl '63.

ALMA-ATA—HYACINTHS

Cultivation of hyacinths in Alma-Ata. M. K. Dzhabagi. Trudy Alma-At bot. sada 7,69-75 '63

ALMA-ATA—INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

Enterprise, culture and aesthetics V. Prikhod'ko. Nar. khoz. Kazakh. 21 no 7 58-60 Jl '63.

ALMA-ATA—MACHINERY INDUSTRY—MANAGEMENT

According to the old cliche S. Privman. Nar. kh. Kazakh. 21 no 4:43-45 Ap '63.

ALMA-ATA—PINE

Grafting Siberian pine on Scotch pine in the Alma-Ata Botanical Garden. V. G. Rubanik, T. A. Zhurenkova Trudy Alma-At bot. sada 7,76-85 '63.

ALMA-ATA—PLANTS, ORNAMENTAL

Shade-tolerant perennial plants for gardens and parks of Alma-Ata. Z. A. Klimovskaia. Trudy Alma-At bot sada 7:60-68 '63.

ALMA-ATA—RICKETS

Distribution of rickets among children in institutions of Alma-Ata. G. A. Rolokhonova. Zdrav. Kaz. akh no. 2:55-57 '63.

ALMA-ATA—ROSE BREEDING

Effect of external factors on the results of artificial pollination of roses. M. V. Beshchetnova. Trudy Alma-At. bot. sada 7:50-59 '63.

ALMA-ATA—SPRUCE

Specificity of the growth of Tien Shan spruce (Picea schrenkiana Fisch. et Mey.) in the Alma-Ata Botanical Garden. A. N. Matiushenko. Trudy Alma-At bot. sada 7:80-89 '63.

ALMA-ATA—STONE FRUIT BREEDING

Some results of the hybridization of stone fruits G. S. Linchevskii. Trudy Alma-At bot. sada 7 [illegible]

ALMA-ATA—STUDENT ACTIVITIES

Dreams and deeds. B. Elpidin Ilin. tekh. [illegible] Ag '63.

ALMA-ATA—WHOLESALE TRADE—EXHIBITIONS

Goods find their buyers; report. S. Ivanikova, K. Kazakh. 6 no 3,15-17 Je '63.

ALMA-ATA PROVINCE—ASCARIDS AND ASCARIASIS

Investigating the methods for chemical prevention of ascariasis in chicks. B. N Pugal. Vest. [illegible] [Kazakh.] 6 no. 8:65-70 Ag '63.

ALMA-ATA PROVINCE—CITIES AND TOWNS

Geography of the economy and population of Chilik and Panfilov Districts, Alma-Ata Province. M. I. Trudy Otd. geog. AN Kazakh. SSR no. 10, 137-[illegible]

ALMA-ATA PROVINCE—DUCKS—DISEASES AND PESTS

Testing arecoline, kamala, and filixan for the prevention of cestodiasis in ducks. V. V Mineev. Vest. [illegible] nauki [Kazakh.] 6 no. 8:71-75 Ag '63.

ALMA-ATA PROVINCE—ECONOMIC GEOGRAPHY

Geography of the economy and population of Chilik and Panfilov Districts, Alma-Ata Province. M. I. Trudy Otd. geog. AN Kazakh. SSR no. 10:137-[illegible]

ALMA-ATA PROVINCE—FOOD INDUSTRY—PRODUCTS STANDARDS

We are improving the establishment of work norms. L. Anan'eva. Nar. khoz. Kazakh. 21 no. 7:34-[illegible]

ALMA-ATA PROVINCE—FOUNDING—TECHNOLOGY AND INNOVATIONS

Introduce new indices. A. Khovin. Nar. khoz. Kazakh. 21 no. 4:53-56 Ap '63

ALMA-ATA PROVINCE—LANDFORMS—MAPS
Landform map of Alma-Ata Province on a 1:1,000,000 scale. A. V. Chigarkin, M. Sh. Ishankulov. Mat. kom po land. kart. no. 2 55-62 '62.

ALMA-ATA PROVINCE—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS
Introduce new indices A Khovin Nar Khoz Kazakh 21 no 4:53-55 Ap '63.

ALMA-ATA PROVINCE—OXYGEN
Centralize oxygen production L. Kim, M. Gostrenko Nar khoz Kazakh. 21 no. 7 28 Jl '63

ALMA-ATA PROVINCE—POULTRY
Investigating the methods for chemical prevention of ascariasis in chicks. B N. Pugal Vest sel'khoz nauki [Kazakh.] 6 no 8:65-70 Ag '63

ALMA-ATA PROVINCE—RAILROADS—EMPLOYEES
Track walker. A. Zarnitsyn. Nar Khoz Kazakh 21 no 4:60-61 Ap '63

ALMA-ATA PROVINCE—SPRUCE
Effect of the habitat conditions of Schrenk spruce on the physical and mechanical properties of wood. A. D. Shevchenko. Vest. sel'khoz nauki [Kazakh.] 6 no. 7. 80-83 Jl '63.

ALMA-ATA PROVINCE—TAPEWORMS
Testing arecoline, kamala, and filiyan for the prophylaxis of cestodiasis in ducks. V V Mineev Vest sel'khoz nauki [Kazakh] 6 no 8:71-75 Ag '63.

ALMA-ATA REGION—MILK—COMPOSITION
Composition of cow milk on the suburban farms of Alma-Ata. A. D. Absennikova. Vest. sel'khoz. nauki [Kazakh.] 6 no. 7 48-52 Jl '63

ALMAARASAN—HEALTH RESORTS, WATERING PLACES, ETC.
Treatment of gynecological patients at the Almaarasan Health Resort. A S Sokolova. Izv. AN Kazakh. SSR, Ser. med. nauk no. 1:58-65 '63.

ALMALYK—NONFERROUS METAL INDUSTRIES
"Utilize the Almalyk supply of raw materials comprehensively." Nar. khoz Uzb 5 no. 9 17 S '63.

ALMANACS
[Desk almanac] Nastol'nyi kalendar. Moskva, Gospolitizdat, [1963] 207 p.

AL'METOV, ALEKSANDR
Al'metov on the ice G Gramaturov Starsh -serzh no 5:36 My '63.

AL'MET'YEVSK REGION—PETROLEUM PRODUCTION
Beacon of production. IU. V. Manokhin. Neftianik 8 no. 2-8-9 F '63.

ALMOND BREEDING see subdivision under Tajikistan

ALPHA RAYS
Some characteristics of α-particle counting by type I diamonds. E. A. Afanas'eva, E. A Konorova Fiz tver. tela 5 no. 9:2556-2560 S '63.

ALPHA RAYS—SPECTRA
Usability of large-area semiconductor detectors for α-spectrometry. V. F. Kushniruk and others. Atom. energ. 15 no. 4:324 O '63.

ALPIROV-SKOBLO, SAMUIL IAKOVLEVICH, 1893-
A scientist's anniversary. Les. prom. 41 no. 7-20 Jl '63.

ALTAI MOUNTAIN REGION—GEOLOGICAL TIME
Age of the "Cazaikha" Cambrian fauna complex. I. I. Koptev. Trudy SNIIGGIMS no. 24:35-37 '62.

ALTAI MOUNTAIN REGION—GEOLOGY, STRATIGRAPHIC
Correlation of Cambrian sediments in the western part of the Altai-Sayan fold area. M. K. Vinkman, A. V. Ginsinger. Trudy SNIIGGIMS no. 24:38-78 '62.
Scheme of the stratigraphy of Lower Cambrian and the lower part of Middle Cambrian sediments in the Altai-Sayan fold area. M. K. Vinkman and others. Trudy SNIIGGIMS no. 24:23-34 '62.

ALTAI MOUNTAIN REGION—PALEONTOLOGY, STRATIGRAPHIC
Biostratigraphic scheme of Lower Cambrian sediments in the Altai-Siyan fold area. A. A. Predtechenskii, A. P. Shchegtov. Trudy SNIIGGIMS no. 24 10-22 '62.

ALTAI MOUNTAINS—CORALS, FOSSIL
Ordovician and Silurian corals of the Gornyy Altai. V. F. Baiskala. Paleot. zhur. no. 3:27-38 '63.
Tabulata and rugosa of the Salair facies type from Lower Devonian sediments in the Alati. S. K. Cherepnina, P. S. Dzitube. Mat. po geol. Zap. Sib no. 63:160-170 '62.

ALTAI MOUNTAINS—GEOLOGICAL TIME
Age of the Aksay massif in the southeastern Altai. I. V. Marlich. Trudy SNIIGGIMS no. 24:170-181 '62.

ALTAI MOUNTAINS—GEOLOGY, STRATIGRAPHIC
Devonian sediments of the central Altai Mat po geol Zap. Sib no. 63 116-122 '62.
Ordovician of the Uymen'-Lebed' synclinorium in the Gornyy Altai V. M. Sennikov. Trudy SNIIGGIMS no. 21 116-133 '62
Stratigraphy of the Ordovician of the Anuy-Chuyka and Chatysh-In synclinoriums in the Gornyy Altai. A E Ginsinger. Trudy SNIIGGIMS no 21 134-150 '62
Upper Devonian Carboniferous volcanism in the Altai-Sayan fold area. V. M. Sennikov. Trudy SNIIGGIMS no. 24,156-160 '62

ALTAI MOUNTAINS—GOLD ORES
Mineralogy of the Manka gold-tellurium ore deposit of the southern Altai [with summary in English]. V P. Pankov, F V Chukhrov. Min sbor no 16:195-209 '62.

ALTAI MOUNTAINS—PALEONTOLOGY, STRATIGRAPHIC
Materials on the Ordovician fauna of the Gornyy Altai. N. N. Demurova. Mat. po geol Zap Sib no 63:71-80 '62.
Middle Devonian biostratigraphy in the Zmeinogorsk region (Rudnyy Altai). L. N Kraevskaia Mat po geol Zap. Sib. no 63:128-148 '62
Ordovician stratigraphy of the northwestern Gornyy Altai. Z. E Petrunina, L. G Severgina. Mat po geol Zap. Sib. no. 63 81-93 '62

ALTAI MOUNTAINS—POLYZOA, FOSSIL
New species and first finds of the genus of moss animals in the Middle Devonian of the Rudnyy Altai P. S Krasnopeeva. Mat. po geol Zap Sib. no 63,123-127 '62.

ALTAI MOUNTAINS—TELLURIUM
Mineralogy of the Manka gold-tellurium ore deposit of the southern Altai [with summary in English] V P. Pankov, F. V. Chukhrov. Min sbor no 16:195-209 '62

ALTAI MOUNTAINS—TRILOBITES
Recent data on trilobite fauna of the Kondrat'yevskaya "formation" (Devonian of the Gornyy Altai). E. S Levitskii. Trudy MGRI 39,45-56 '63.
Trilobites of the Suyarykskaya series in the Middle Cambrian of the Gornyy Altai. M. F. Romanenko, E. V. Romanenko. Mat. po geol Zap. Sib. no. 63 16-29 '62

ALTAI TERRITORY—AGRICULTURE—STUDY AND TEACHING
Let's train workers and fighters. K. F. Lebedinskaia. Shkola i proizv. 7 no 9 18-19 S '63.

ALTAI TERRITORY—LARCH
Effect of the exposure of a slope on the growth of pine and larch in the fir zone of the Altai. IU. E. Vishniakov. Les. khoz. 16 no. 3:65 Mr '63.

ALTAI TERRITORY—PINE
Effect of the exposure of a slope on the growth of pine and larch in the fir zone of the Altai. IU. E. Vishniakov. Les. khoz 16 no. 3:65 Mr '63.

ALTAI TERRITORY—TRACTORS—DESIGN AND CONSTRUCTION
Tractors of the Altai Plant. M. I. Voronin, S. A. Gabovich, S. P. Zorin. Les. prom. 40 no. 3:7-10 Mr '62

ALUMINATES
Deep desilicon izing of aluminate solutions in the presence of lime. M. G. Leitelzen, M. S. Beletskii. TSvet. met. 36 no. 9:49-53 S '63.

ALUMINOTHERMY
Pliner, IU. L., S. I. Suchil'nikov, and E. A. Rubinshtein, [Aluminothermy in the production of ferroalloys and addition alloys] Aluminotermicheskoe proizvodstvo ferrosplavov i ligatur. Moskva, Metallurgizdat, 1963. 174 p.

ALUMINUM
Chemical preparation of aluminum and its alloys for electroplating. V. I. Semeriuk, L. I. Elianova, S. Z. Pritykina. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:32-33 '63.

ALUMINUM—ANALYSIS
Rapid determination of iron oxides and aluminum in sand. K. M Funtikova, P. A. Sazonova, K. I. Begel'fer. Stek. i ker. 20 no. 10:40-41 O '63.

ALUMINUM—FINISHING
Mechanization of the process of brightening aluminum ware. A. D. Koluzaev, N. M. Parshin. Mekh. i avtom. proizv. 17 no. 8:25-26 Ag '63.

ALUMINUM—METALLURGY
Aluminum distillation through subhalogenides A I. Beliaev. Izv. AN SSSR, Otd. tekh nauk, Met i gor. delo no. 4:22-31 Jl-Ag '63.
Highly effective vertical, louvered spray trap for evaporators. N. P. Kuz'min. TSvet. met. 36 no. 5 82-84 My '63.
Inoculating aluminum with transition metals. L. K. Latmikhov, G. V. Samsonov. Izv. AN SSSR, Otd tekh. nauk Met. i gor. delo no. 2 96-98 Mr-Ap '63

ALUMINUM, STRUCTURAL
Problem of determining the deflection of aluminum trusses V P. Sukhanov Shor. trud. NII po stroi. ASiA [Sverd.] no 8 115-127 '63.

ALUMINUM ALLOYS
Dependence of the substructure on nonuniform concentration in alloys V G Lutsau B M Rovinskii Kris talografiia 8 no 5 742 746 S-O '63
The V-92T high-strength aluminum alloy for structural elements V S. Chesnokov Prom. stroi. 40 [i.e. 41] no 7 47-52 Jl '63.

ALUMINUM ALLOYS—HEAT TREATMENT
Size stability of Al 9 alloy castings depending on the conditions of heat treatment. N A. Loktionova. Lit. proizv. no 8 4-5 Ag '63

ALUMINUM ALLOYS—WELDING
Using helium and its mixture with argon in aluminum alloy welding. D. M. Rabkin, V R. Riabov, I V Dovbishchenko. Avtom. svar. 16 no 9 1-6 S '63

ALUMINUM CRYSTALS—ELECTRIC PROPERTIES
Mechanism of the electrochemical dissolution of aluminum single crystals in acid and alkaline solutions. G. S. Vozdvizhenskii, I M. Novosel'skii Trudy KKHTI no 30,303-311 '62

ALUMINUM CRYSTALS—THERMAL PROPERTIES
Anomalies of the thermal expansion and fusion of small aluminum crystals. IU I. Petrov. Fiz. tver. tela 5 no. 9:2161-2170 S '63

ALUMINUM FORGINGS—TESTING
Mechanical properties of semifinished AMg-6 alloy products. M. Z Ermaniuk, L. P. Shpilova. Metalloved. i term. obr. met. no. 10 36-37 O '63.

ALUMINUM FOUNDING
Size stability of Al 9 alloy castings depending on the conditions of heat treatment N A. Loktionova. Lit. proizv. no 8 4-5 Ag '63.

ALUMINUM INDUSTRY—HYGIENIC ASPECTS
Effect of fluorine and fluorine-containing aluminum oxide dust on the upper respiratory tracts. I. M. Ispuganov. Vrach. delo no. 7:119-122 Jl '63.

ALUMINUM—MAGNESIUM ALLOYS—TESTING
Mechanical properties of semifinished AMg-6 alloy products. M. Z. Ermaniuk, L. P. Shpilova. Metalloved. i term. obr. met. no. 10 36-37 O '63.

ALUMINUM-NICKEL ALLOYS see Nickel-aluminum alloys

ALUMINUM NITRIDES
Thermodynamic conditions for the interaction between nitrogen on one hand and silicon and aluminum on the other, in transformer steel. V. V. Averin, G. A. Garnyk, A. M. Samarin. Izv. AN SSSR Otd tekh. nauk, Met. i gor. delo no. 2:40-46 Mr-Ap '63.

ALUMINUM OXIDES
Method of measuring electric conductivity for the study of sintering processes in alumina-containing mixtures. N. M. Drobot, E. I. Khazanov. Izv. SO AN SSSR no. 7, Ser. khim. nauk no. 2 51-61 '63.
Surface properties of Ni-Au-Al_2O_3 liquid alloys. V. N. Eremenko, V. I. Nizhenko. Zhur. neorg. khim. 8 no. 9 2124-2127 S '63.

ALUMINUM PIPE see Pipe, Aluminum

ALUMINUM PLANTS—DESIGN AND CONSTRUCTION
Characteristics of general designs of aluminum plants. I. A. Kashtanenko. Sbor. trud. NII po stroi. ASiA [Sverd.] no. 8 136-151 '63.

ALUMINUM-SILICON ALLOYS—METALLURGY
Inoculating hypereutectic silumins. E. A. Boom, Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 2:98-99 Mr-Ap '63.

AMALGAMS
Amalgam metallurgy. M. T. Kozlovskii. IUn. tekh. 7 no. 8,27-32 Ag '63.

AMATEUR ART ACTIVITIES see subdivision under Nikopol' District

AMATEUR MOTION PICTURES
Where is the motion-picture eye? V. Shakhidzhanian. Semlia i shkola 18 no. 9,33-34 S '63.

AMATEUR RADIO STATIONS
School radio. N. Borelko Shkola-int. no 1:30-31 Jl-Ag '63

AMATEUR THEATRICALS
(see also subdivision under Magnitogorsk; Togo; Volgograd)
Upholding man. Lev Mitrofanov. Mol. kommn. no. 6:31-35 Je '63.

AMEBIASIS
Clinical and epidemiological characteristics of amebiasis and ameba-bacterial dysentery M. Z. Leitman Trudy TashNIIVS 5:105-117 '62

AMERICAN AUTHORS see Authors, American

AMERICAN SCIENTISTS see Scientists, American

AMINES
Complex compounds of thallium (III) with organic amines. F. IA. Kul'ba, V. F. Mironov, O. S. Andreeva, Zhur. neorg. khim. 8 no. 10,2323-2325 O '63.
Synthesis of polyalkyl silozanes. M. M. Morgunova, D. IA. Zhinkin, M. V. Sobolevskii. Plast. massy no. 6,24-25 '63.
Thermal decomposition of chlorides of mixed platinum (II) cis-tetramines containing ammonia and aromatic amines in the inner coordination sphere A. V. Ablov, V. G. Semina. Zhur. neorg. khim. 8 no. 9 2059-2061 S '63.

AMINOPYRINE—PHYSIOLOGICAL EFFECT
Blood supply to the brain during experimental convulsions [with summary in English] I. I. Fedorov, V. P. Bezuglov i E. A. Zakharina. Pat. fiziol. i eksp. terap. 7 no. 2 30-34 Mr-Ap '63

AMMONIA
Ammonia-thiourea complexes of nickel. A. V. Babaeva, Kh. U. Ikramov, G. G. Afanas'eva. Zhur. neorg. khim. 8 no. 9 2065-2068 S '63.
Effect of ammonia water on the active life of micro-organisms. I. I. Ivanchuk, A. G. Azanov. Torf. prom. 40 no. 6 23-27 '63.
Reaction of ruthenium tetraoxide with ammonia. A. N. Ryabov, A. B. Nikol'skii. Zhur. neorg. khim. 8 no. 9 2013 S '63.
Thermal decomposition of chlorides of mixed platinum (II) cis-tetramines containing ammonia and aromatic amines in the inner coordination sphere. A. V. Ablov, V. G. Semina. Zhur. neorg. khim. 8 no. 9 2059-2061 S '63.

AMMONIA—THERMODYNAMIC PROPERTIES
Determining the equilibrium constant of the reaction of ammonia dissociation over a wide range of temperatures and pressures. Part 2 [with summary in English]. P. M. Kessel'man, A. G. Tabachnikov. Inzh.-fiz. zhur. 6 no. 8 78-81 Ag '63.

AMMONIUM
Ammonium absorption from coke gas in a bubble type apparatus. M. E. Pozin, E. IA. Tarat, I. I. Orekhov. Koks i khim. no. 9 36-40 '62.

AMMONIUM NITRATE
Production of ammonium nitrate by the one-step method IA. I. Kil'man, V. A. Klevke. Biul. tekh.-ekon. inform. Ges. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8 14-18 '63.

AMMONOIDEA, FOSSIL
New data on the family Araxoceratidae. V. E. Ruzhentsev. Paleont. zhur. no. 3:56-64 '63.
Systematic position and the volume of the genus Diadochoceras. I. A. Mikhailova. Paleont. zhur. no. 3:65-77 '63.

AMPHIBIA
"Fishes, amphibians and reptiles and their study in schools" by V. P. Gerasimov. Reviewed by E. S. Lysov. Biol. v shkole no. 3 92-93 My-Je '63.
Sex determination in amphibians [with summary in English]. N. N. Rott. Biul. MOIP Otd. biol. 68 no. 4 118-134 Jl-Ag '63

AMPHIBIOUS MOTOR VEHICLES see Motor vehicles, Amphibious

AMPHIBOLE
Manganese amphiboles of the cummingtonite row [with summary in English]. O. I. Matkovskii. Min. sbor. no. 16:130-153 '62

AMPHIBOLITE see subdivision under Kola Peninsula

AMPLIFIERS (ELECTRONICS)
Concerning A. A. Rizi-in's article "Design of transistor video amplifiers." V. Bykov. Elektrosviaz' 17 no. 9: 73-74 S '63.
Excitation of self-oscillations in a system with delayed feedback. Iu. M. Az'ian. Radiotekh. i elektron. 8 no. 10:1665-1670 O '63.
Method for increasing the stability of the zero at its drift in balanced d. c. amplifiers. E. M. Ivanov. Sbor. st. LITMO no. 47:46-49 '59.
Superregenerative amplifier using tunnel diodes. E. A. Akchurin, P. D. Berestnev. Radioteknika 18 no. 8:31-35 Ag '63.

AMPLIFIERS, ELECTRON-TUBE
Analysis of some methods for balancing the input bridges of tensiometer amplifiers on the carrier frequency. A. E. Trop, V. M. Shkol'nik. Izv. vys. ucheb. zav., gor. zhur. 6 no. 3 163-172 '63.
Characteristics of amplifiers with regenerative feedback. A. I. Kornienko. Vest. protivovozd. obor. no. 11: 22-24 N '61.
Pavlov, K. M. [Analysis and calculation of the network of an IF amplifier] Analiz i raschet skhemy ustroistva promezhutochnoi chastoty, rekomendovano predmetnoi komissiei VZTS po spetsial'nym radiotekhnicheskim distsiplinam i fachestve uchebnogo posobiia dlia uchashchikhsia tekhnikumov sviazi Moskva, Sviaz'izdat, 1963 22 p (Vsesoiuznyi zaochnyi tekhnikum sviazi)
Reaction of some electron-tube amplifier stages to a sine-square pulse. V. I. Lisogurskii, I. N. I. Cherne. Elektrosviaz' 17 no. 8:63-70 S '63.
Selective RC amplifier using a pentode with an extremely small plate current flow. V. V. Ekaterinin, B. G. Kiselev. Trudy Inst. inzh. fiz. AN Kazakh SSR 6,112-118 '63.

AMPLIFIERS, TRANSISTOR see Transistor amplifiers

AMTMANE, ANNA, 1893-
Akuratere, L. Anta Klints. Riga, Latvijas valsts izdevnieciba, 1962 213 p. [In Latvian]

AMUR CORK TREE see subdivision under Arkhara region

AMUR PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK
All forms of ideological weapons must be put into operation, from the practice of the Amur Province party organization. P. Morozov. Polit. samoobr. 7 no. 10 32-37 O '63.

AMUR PROVINCE—POPLAR—VARIETIES
Variety testing of poplars in Amur Province. E. S. Zarsanina. Les. khoz. 16 no. 3:21-24 Mr '63.

AMUR RIVER—PARASITES—CARP
Parasites of the Amur wild carp and their epizootic significance. A. Kh. Akhmerov. Trudy VNIPRKH 8: 206-218 '56

AMUR RIVER—PARASITES—SALMON
Helminths as a biological indicator of the local stock of anadromous Amur salmons (Oncorhynchus). A. Kh. Akhmerov. Vop. ikht. 3 no. 3 536-555 '63.

AMUR RIVER—WORMS, INTESTINAL AND PARASITIC
Helminths as a biological indicator of the local stock of anadromous Amur salmons (Oncorhynchus). A. Kh. Akhmerov. Vop. ikht. 3 no. 3 536-555 '63.

AMUR VALLEY—PARASITES—SHRIKES
Indian cuckoo (Cuculus M. Micropterus Gould), a nest parasite of the Amur shrike (Lanius cristatus confusus Stegm.). L. A. Neifel'dt. Dokl. AN SSSR 151 no. 6: 1446-1449 Ag '63.

AMYLASE
Growing of fungous amylase in the Serebryanye Prudy Distillery T. T. Lunikova. Spirt prom. 29 no. 6 33-34 '63.

ANABAPTISTS
The Anabaptists of the 16th century and their attitude toward the problems of morality and domestic relations [with summary in English] A. N. Chistozvonov Sred. vek. no. 23:64-90 '63.

ANABASINE
Condensation of N-methyl-a and a-aminoanabasine with malonic ester. B. Tumur, A. S. Sadykov, Sh. Sharipova, Uzb. khim. zhur. 7 no. 4 64-67 '63.

ANABASIS (BOTANY)—DISEASES AND PESTS see subdivision under Kazakhstan

ANALGESICS
Use of trichloroethylene (narkogen) for anesthesia and analgesia. E. P. Svadzhian. Eksper. khir. i anest. no. 1:60-65 '63.

ANALYTIC FUNCTIONS see Functions, Analytic

ANALYTICAL CHEMISTRY see Chemistry, Analytical

ANALYTICAL GEOMETRY see Geometry, Analytic

ANAPHYLAXIS
Effect of aerosols of different polarity on the outcome and picture of anaphylactic shock in rabbits. G. K. Trofimov. Izv. AN Kazakh SSR. Ser. med. nauk no. 2:73-77 '63.
Method of anaphylactic reaction with desensitization in vitro V. IA. Shevliagin Zhur. mikrobiol., epid. i immun. 40 no. 1 84-87 '63

ANAPLASMOSIS
Treatment of cattle diseases caused by Francaiella colchica, Jakimoff, 1927 and Anaplasma marginale Theiler, 1911. I. L. Matikoshvili, D. M. Gelovani, A. Arabian Sbor. trud. Gruz. zootekh.-vet. nauch.-issl. inst. 32:109-113 '61.

ANCIENT HISTORY see History, Ancient

ANDESITES see subdivision under Tsovinar region

ANDIZHAN PROVINCE—AGRICULTURE—FINANCE
Put business accounting on state farms at the center of attention. M. Abdullaev. Uchet i fin. v kolkhoz. i sov. khoz. 20 no. 7 18 Jl '63.

ANDIZHAN PROVINCE—CONSTRUCTION INDUSTRY—FINANCE
Construction workers are waiting for help R. Il'iasov. Nar. khoz. Uzb. 9 no. 9 25-26 S '63.

ANDIZHAN PROVINCE—PETROLEUM PRODUCTION—SAFETY MEASURES
New forms of voluntary assistance to the problems of industrial safety E. N. Burkin. Neftianik 8 no. 9:20-21 S '63.

ANDIZHAN PROVINCE—RETAIL TRADE—EQUIPMENT AND SUPPLIES
We need good equipment M. Khasanov Sov. potr. koop. 7 no. 9:14 S '63.

ANDREEV, NIKOLAI NIKOLAEVICH, 1880-
Akademiia nauk SSSR Nikolai Nikolaevich Andreev. Vstup. stat'ia G. A. Ostroumova. Bibliografiia sost. G. N. Finashinoi Moskva, 1963. 58 p (Materialy k biobibliografii uchenykh SSSR. Seriia fiziki no. 14)

ANDROGENS
Effect of androgens on the cytological picture of vaginal smears. M. G. Arsen'eva. Akush. i gin. no. 2 72-75 '63.

ANDRUSHCHENKO, IVAN OLEKSIIOVYCH, 1840-1865
Leonid Hilbov and Ivan Andrushchenko, a member of the "Land and Liberty" underground organization M. F. Syvachenko. Rad. lit. 7 no. 3:52-63 My-Je '63

ANEMIA
Aplastic anemia developing following the intake of sulfotomycin and levomycetin. N. IA. El'kis. Vrach. delo no. 7 131-132 Jl '63.
Possibility of the transformation of hypoplastic anemia into leukemia [with summary in English]. F. F. Rokitskii, N. S. Rozanova. Terap. arkh. 35 no. 2:86-92 F '63.
Prophylaxis of anemia in suckling piglets. M. Dvorshal. Veterinariia 39 no. 9:50-52 S '62.

ANESTHESIA
Analgesic anesthesia with nitrous oxide in surgical gynecology. S. I. TSirul'nik, V. A. Gologorskii. Akush. i gin. no. 2 31-37 '63.
Anesthesia with nitrous oxide and oxygen in minor gynecological operations. V. B. Levinson. Akush. i gin. no. 2:120-121 '63.
Determination of the time for the beginning of surgery under ether anesthesia S. A. Putilin Zdravookhranenie 6 no. 2 44-45 Mr-Ap '63.
Experimental and clinical basis for the rational use of anesthesia equipment in fluothane anesthesia and anesthesia with an azeotropic mixture. A. Z. Manevich, V. I. Zhorov, P. N. Smirnov. Eksper. khir. i anest. no. 1:74-78 '63
Induced anesthesia conducted with steroid preparations [with summary in English]. T. M. Darbinian, N. M. Pripus. Eksper. khir. i anest. no. 1 50-56 '63.
Influence of drug-induced anesthesia and the action of caffeine on the effectiveness of antibiotics in experimental bacterial intoxications. V. N. Derkach. Zdravookhranenie 6 no. 2:14-17 Mr-Ap '63.
Some characteristics and indications for controlled automatic respiration during anesthesia in general surgery IA. M. Kamyshov Zdravookhranenie 6 no. 2:45-47 Mr-Ap '63
Some results of anesthesia in oncological surgery M. A. Aliev, G. G. Mitrofanov, A. A. Togaibaev Zdrav. Kazakh. 23 no. 2:15-18 '63.
Use of hydroxydione (presuren) anesthesia in combination with local anesthesia D. Mrozowski. Eksper. khir. i anest. no. 1:56-60 '63.

ANESTHESIA—EQUIPMENT AND SUPPLIES
Inclusion of the automatic apparatus DP-2 for automatic control of respiration in the hospital model of the anesthesia machine from the "Krasnogvardeets" plant IA. A. Rudaev. Eksper. khir. i anest. no. 1:79-80 '63.

ANESTHESIA IN OBSTETRICS
Results of anesthesia in early artificial termination of pregnancy. L. P. Gomeniuk, P. G. Zhuchenko. Akush. i gin. no. 2:119-120 '63.

ANESTHESIOLOGY
Pauling's new molecular theory of anesthesia [with summary in English]. V. P. Smol'nikov. Vest. khir. 90 no. 3:78-81 Mr '63

ANESTHESIOLOGY—CONGRESSES
Minutes of the Anesthesiology Section of the Pirogov Surgical Society for meetings Nos. 54 and 55. M. S. Grigor'ev and others Vest. khir. 90 no. 3 154-158 Mr '63

ANESTHETICS

Experimental data on the evaluation of a new anesthetic trimecaine. N. A. Sharov, V. S. Mitrofanov. Eksper. khir. i anest. no. 1:80-82 '63.

Use of trichlorethylene (narkogen) for anesthesia and analgesia. E. P. Svadkhian. Eksper. khir. i anest. no. 1:80-85 '63.

ANGARA VALLEY—IRON ORES

Production of fluxed granules from Korshunovo concentrates. L. I. Zhdankovich, T. N. Komarova. Izv. Sib. otd. AN SSSR no. 2:37-42 '62.

ANGARSK—HEALTH EDUCATION

"Sovetskoye Priangar'ye" propagates health education. T. Lachina. Sov. Kuzbass. krest. 13 no. 2:32 Mr-Ap '63.

ANGARSK—NEWSPAPERS—SECTIONS, COLUMNS, ETC.

"Sovetskoye Priangar'ye" propagates health education. T. Lachina. Sov. Kuzbass. krest. 13 no. 2:32 Mr-Ap '63.

ANGINA PECTORIS

Effect of nitrosorbid on the cardiovascular system in coronary insufficiency. V. A. Gefter. Terap. arkh. 35 no. 2:22-30 F '63.

Result of treating stenocardia with a novocaine block [with summary in English] B. M. Khromov. Vrach. delo no. 7:30-34 Jl '63.

ANGIOCARDIOGRAPHY

Coronary arteriography in experimental and clinical practice. L. S. Zingerman, Iu. S. Petrosian, V. I. Pronin. Grud. khir. 4 no. 6:41-45 N-D '62.

Intravital coronarography, experimental research [with summary in English] R. A. Stegailov. Grud. khir. 4 no. 6:37-40 N-D '62.

Review of V. S. Savel'ev's book "Sounding and angiocardiography in congenital heart defects." M. I. Burmistrov. Vest. khir. 90 no. 3:126-128 Mr '63.

ANGIOGRAPHY

Method of "immobile" angiopulmography. D. A. Natradze, L. S. Ovrutskii, E. S. Shafer. Zhur. eksp. i klin. med. 3 no. 2:65-70 '63.

Review of K. B. Likhonov's book "Angiography." A. N. Filatov, D. S. Kuz'min. Vest. khir. 90 no. 3:128-129 Mr '63.

Technique of examining patients with intracranial hemorrhages by angiography. I. M. Ostrovskaia. Eksper. khir. i anest. no. 1:19-21 '63.

ANGIOSPERMS, FOSSIL

Zaklinskaia, E. D. [Angiosperm pollen and its significance for the stratigraphy of the Upper Cretaceous and Paleogene] Pyl'tsa pokrytosemiannykh i ee znachenie dlia obosnovaniia stratigrafii verkhnego mela i paleogena. Moskva, Izd-vo Akad. nauk SSSR, 1963. 255 p. fold. diagrs. inserted. (Akademiia nauk SSSR. Geologicheskii institut. Trudy no. 74)

ANGREN VALLEY—FUNGI

Pavlova, T. S., and N. I. Gaponenko. [Mycoflora of the Angren River basin] Mikoflora basseina r. Angren. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1963. 207 p.

ANGULAR MOMENTUM (NUCLEAR PHYSICS)

Effect of external fields on angular correlations in consecutive electromagnetic transitions [with summary in English]. L. Zastavenko, M. Podgoretskii. Zhur. eksp. i teor. fiz. 45 no. 3:706-708 S '63.

Spin exchange. E. B. Aleksandrov, A. M. Bonch-Bruevich, V. A. Khodovoi. Izv. AN SSSR. Ser. fiz. 27 no. 8:1070-1077 Ag '63.

ANHYDRITE see subdivision under Transcarpathia

ANILINE

Duhring's herpetiform dermatitis and its treatment in children [with summary in English]. A. V. Khamaganova, A. A. Androsova. Vest. derm. i ven. 37 no. 2:39-43 F '63.

ANIMAL INDUSTRY—LAW AND LEGISLATION

How many farm animals are Soviet citizens allowed to own? N. Gorshenova. Sov. deput. trud. no. 9:92-95 S '63.

Recent legislative enactments. Sov. deput. trud. no. 8: 101-102 Je '63.

ANIMAL LOCOMOTION

Characteristics of the running of jerboas. I. M. Fokin. Biul. MOIP. Otd. biol. 68 no. 5:22-28 S-O '63.

ANIMAL LORE

Stories about sacred plants and animals. Nauka i rel. 4 no. 5:10-11 My '63.

ANIMAL POPULATIONS—MAPS

Accounting for and mapping the animal population. R. P. Zimina, Iu. A. Isakov. Izv. AN SSSR. Ser. geog. no. 5: 145-149 S-O '63.

ANIMALS, LEGENDS AND STORIES OF

On warm earth. Nora Argunova. Semlia i shkola 18 no. 8:36-38 Ag '63.

ANIMALS AS CARRIERS OF DISEASES

(see also subdivision under Khabarovsk Territory, Uzbekistan)

Ilogovala Nauchnaia konferentsiia po prirodnoochagovym boleznlam, 1963. [Materials of the Summary Scientific Conference on Natural Foci Diseases] Materialy. Tiumen', Tiumenskoe knizhnoe izd-vo, 1963. 220 p. [DNLM MICROFILM]

ANKAVAN REGION—BISMUTITE

Sulfobismuttites of copper in ores of the Ankavan copper-molybdenum deposit. A. I. Karapetian. Zap. Arm. otd. Vses. min. ob-va no. 2:172-176 '63.

ANKLE—DISLOCATION

New clinical symptom of subluxation in the talotibial articulation. V. IU. Golubovskii. Ortop., travm. i protez. no. 1:67-68 '63.

ANKYLOSIS

Importance of some clinical audiometrical data in the determination of ankylosis variants of the stapes in otosclerosis [with summary in English]. V. A. Gukovich. Zhur. ush., nos. i gorl. bol. 23 no. 4:6-11 Jl-Ag '63.

ANNEALING OF METALS

Heat treatment of niobium. G. V. Zakharova, L. P. Zhorova. TSvet. met. 36 no. 5:53-58 My '63.

ANNIVERSARIES

Dates, events, and people. Komm. Bel. 37 no. 8:77-79 Ag '63.

Memorial dates. Nauka i rel. 4 no. 5:64 My '63.

ANOXEMIA

"Pathophysiology of hypoxic conditions" by A. M. Charnyi. Reviewed by I. R. Petrov, E. V. Gublei. Pat. fiziol. i eksp. terap. 7 no. 1:88-89 Ja-F '63.

Resistance to oxygen deficiency in rats with growing primary tumor (sarcoma M-1) [with summary in English] G. N. Arkhipov. Pat. fiziol. i eksp. terap. 7 no. 1:49-51 Ja-F '63.

ANTARCTIC REGIONS—MOSSES

Representatives of the genus Pottia Fuern. in Antarctica. L. I. Savich-Liubitskaia, Z. N. Smirnova. Bot. mat. Otd. spor. rast. 16:188-195 '63.

ANTARCTIC REGIONS—RADIATION

Total radiation of the ocean waters in Antarctica and some parts of the Pacific and Atlantic Oceans. A. I. Kruglova, V. I. Shtiakhov. Trudy TSAO no. 15:90-98 '62.

ANTARCTIC REGIONS—ROCKS—ANALYSIS

Radioactive equilibrium in rocks of eastern Antarctica. L. IA. Attashenok, A. IA. Krylov. Radiokhimiia 5 no. 2:170-172 '63.

ANTARCTIC REGIONS—SEISMOLOGICAL RESEARCH

Kondrat'ev, O. K., and A. G. Gamburtsev. [Seismic research in the coastal part of eastern Antarctica] Seismicheskie issledovaniia v pribrezhnoi chasti Vostochnoi Antarktidy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 187 p.

ANTENNAS (ELECTRONICS)

Statistical calculation of nonlinear transitions caused by reflections in antenna feeders of multichannel radio relay systems. S. V. Borodich. Elektrosviaz' 17 no. 9:1-7 S '63.

ANTENNAS (ELECTRONICS)—TESTING

Investigating a helical antenna in centimeter wave range. G. A. Zaitseva and others. Sbor. st. LITMO no. 47:14-20 '59.

ANTHELMINTICS

Investigating the methods for chemical prevention of ascariasis in chicks. B. N. Pugni. Vest. sel'khoz. nauki [Kazakh.] 6 no. 8:65-70 Ag '63.

Testing arecoline, kamala, and filixan for the prophylaxis of cestodiasis in ducks. V. V. Mineev. Vest. sel'khoz. nauki [Kazakh.] 6 no. 8:71-75 Ag '63.

ANTHRAX—PREVENTIVE INOCULATION

Improvement of the culture medium and search for a method of purifying the protective anthrax antigen. N. I. Aleksandrov and others. Zhur. mikrobiol., epid. i immun. 10 no. 1:103-107 '63.

ANTHROPOLOGY

Bibliography of anthropological studies published in foreign periodicals in 1960-1962. N. IA. Almazova. Vop. antr. no. 13:159-164 '63.

ANTHROPOLOGY—PERIODICALS

"Current Anthropology"; a world journal of the sciences of man, May, 1960-June, 1962. V. P. Chistov. Vop. antr. no. 13:156-158 '63.

ANTHROPOMETRY

Comparative anthropometrical data on the physical development of Leningrad children during the years 1927-1930, 1952/53, and 1959. N. M. Danilovich. Vop. antr. no. 13:90-100 '63.

Significance of the physiometric indexes in the estimation of physical development; preliminary report. N. G. Zalkind. Vop. antr. no. 13:110-115 '63.

ANTIAIRCRAFT ARTILLERY

(see also subdivision under Moscow)

Heroism and skill of antiaircraft gunners. T. I. Bolko. Vest. protivovozd. obor. no. 11:15 N '61.

Improve the organization and quality of the military maintenance of equipment. E. I. Mikhailov. Vest. protivovozd. obor. no. 11:16-18 N '61.

On a complex theme. N. Volob'ev. Voen. vest. no. 9:78-82 S '63.

Preparation for high firing. I. Glubochanskii. Voen. vest. 42 no. 11:78-80 N '62.

Right flank in competition. D. Miloserdov. Voen. vest. 42 no. 11:14-16 N '62.

Technical training. A. Bobrov. Voen. vest. 42 no. 11: 82-84 N '62.

ANTIBIOTICS

(see also subdivision under Stavropol Territory)

Action of some antitumor antibiotics on the synthesis of nucleic acids in the cells of staphylococci [with summary in English]. A. V. Latko. Antibiotiki 7 no. 7:601-605 Jl '62.

Action of the antibiotic, crucin, on cultures of cells of human malignant tumors in vitro (on the method for determining the antiblastomogenic activity of crucin) [with summary in English]. M. I. Lelkina. Antibiotiki 7 no. 7:582-587 Jl '62.

Change in sensitivity to antibiotics of Newcastle dysentery bacillus in the human body before the beginning of treatment [with summary in English]. A. A. Lentsner and others. Antibiotiki 7 no. 7:643-646 Jl '62.

Combined use of aurantin with other therapeutic methods for patients with malignant neoplasms [with summary in English]. L. M. Nisnevich, S. S. Akopiants. Antibiotiki 7 no. 7:623-626 Jl '62.

Comparative study of the effect of the new preparation ditetracycline and other antibiotics on the trachoma virus [with summary in English]. Z. V. Timofeeva and others. Vop. virus. 8 no. 4:343-346 My-Je '63.

Controversial questions in antibiotic therapy. I. A. Kassirskii, IU. L. Milevskaia. Terap. arkh. 35 no. 2: 9-16 F '63.

Distribution of antibiotic-producing soil fungi in Central Asia as related to the altitude of the place [with summary in English] T. P. Suprun, O. P. Avramova, Z. E. Bekker. Biul. MOIP. Otd. biol. 68 no. 4:84-92 Jl-Ag '63.

Distribution of antibiotics of the tetracycline group in the body under varying methods of administration [with summary in English]. N. A. Barsukov. Antibiotiki 7 no. 7: 646-650 Jl '62.

Effect of gamma globulin treatment on the clinical course of whooping cough and the indices of nonspecific immunity [with summary in English]. S. R. Iholan. Pediatriia 42 no. 1:22-26 Ja '63.

Effect of novocaine on the antitumor activity of actinovanthine and aurantin. Preliminary report. E. A. Romanenko, V. G. Mazaeva. Antibiotiki 7 no. 7:612-617 Jl '62.

Effect of the antitumor antibiotic, aurantin, on adrenal cortex function [with summary in English] N. A. Ozeretskovskii, O. Sh. Dzhekaenbaev. Antibiotiki 7 no. 7:627-630 Jl '62.

Effect of valine on the biosynthesis of aurantin [with summary in English]. M. V. Nefelova. Antibiotiki 7 no. 7: 617-622 Jl '62.

Effectiveness of colimycin and mycerin in gastrointestinal diseases of calves and piglets. V. F. Grezin and others. Veterinariia 39 no. 11:87-88 N '62.

Influence of drug-induced anesthesia and the action of caffeine on the effectiveness of antibiotics in experimental bacterial intoxications. V. N. Denkach. Zdravookhranenie 6 no. 2:14-17 Mr-Ap '63.

Isolation and properties of the new antibiotic, 323/58, with an antitumor action. E. B. Kruglak and others. Antibiotiki 7 no. 7:588-593 Jl '62.

Method for cultivating tumor cells in vitro and its use for the primary selection of new antitumor antibiotics [with summary in English]. E. G. Toropova. Antibiotiki 7 no. 7:598-601 Jl '62.

Method for the primary selection of antitumor antibiotics [with summary in English]. V. A. Talyzina. Antibiotiki 7 no. 7:606-611 Jl '62.

Physical methods of treating chronical highmoritis in children. L. A. Shakhnovich. Med. sestra 22 no. 8:50-51 Ag '63.

Some antitumor substances secreted by micro-organisms [with summary in English]. H. Umezawa. Antibiotiki 7 no. 7:560-571 Jl '62.

ANTIBIOTICS AS FEED

Device for the control of air sterility in factories of antibiotic feeds. V. P. Borisov, T. N. Galiuga, A. A. Gorbash. Spirt. prom. 28 no. 3:24-25 '62.

ANTIGENS AND ANTIBODIES

Antibodies to the inhibitor of the rheumatoid factor. L. S. Golod. Pat. fiziol. i eksp. terap. 7 no. 1:76-77 Ja-F '63.

ARTHROPODS AND ARTHROPODS (Continued)

[illegible] Part 3 [illegible]

[illegible]

[illegible]

Comparative study of the antigenic and immunogenic properties of atypical and typical dysenteric bacteria Report No 2 M I Ruzmin'ova Trudy, TashNIIVS 5 72-79 '62

[illegible]

[illegible]

Immunogenic and antigenic properties of Shigella flexneri 2a and Shigella sonnei phase variants [with summary in English] N. N. Khanaraeva, Zh. mikrobiol., epidemiol. i immunobiol. 39 no. 4 75-80 Ap '62

Immunogenic and antigenic properties of Shigella flexneri 2a and Shigella sonnei phase variants [with summary in English] N. N. Khanaraeva, Zh. mikrobiol., epidemiol. i immunobiol. 39 no. 4 75-80 Ap '62

[illegible] 79-81 Ja-F '63

Study of the antigenic structure of the influenza virus by the adsorption method T. S. Il'ina Trudy TashNIIVS 5 1-9 '62

Study of antibodies in tricaine and tissue culture [illegible] 44-55 Jl-Ag '63

Study of the effect of specific antibodies and inhibitors on influenza infection [with summary in English] [illegible] 3 301-307 My-Je '63

ANTIHISTAMINES

Treatment of histamine preparation poisoning. L. V. Stroeva, Vrach. delo no. 2 87 F '63

ANTIMONY

Extraction of complex acids with oxygen-containing solvents. Part 2. Calculating the equilibrium constants of antimony (V) hydrolysis in solutions of hydrochloric acid and investigating the mechanism of its extraction with diethyl ether. B. Z. Iofa, G. M. Dakar, Radiokhimiia 5 no. 4 470-480 '63.

ANTIMONY—ELECTROMETALLURGY

Smelting antimony concentrates for thio salts and glass making. I. R. Polyviannyi, N. I. Ananiev. Trudy Inst. metallurg. AN Kazakh. SSR 6 118-123 '63

ANTIMONY—METALLURGY

Simultaneous leaching of fused thio salts of antimony and sodium antimonate. I. R. Polyviannyi, N. I. Ananiev. Trudy Inst. metallurg. AN Kazakh SSR 6 138-147 '63.

ANTIMONY-BISMUTH ALLOYS see Bismuth-antimony alloys

ANTIMONY ISOTOPES

Extraction of complex acids with oxygen-containing solvents. Part 1. Extraction of micro- and macroquantities of antimony (V) with alcohols, ethers, and esters. G. M. Dakar, B. Z. Iofa, An. V. Nesmeianov. Radiokhimiia 5 no. 4 428-436 '63.

ANTIRETICULAR CYTOTOXIC SERUM

Use of antireticular cytotoxic serum. S. I. Presniak. Veterinariia 39 no. 9 60-61 S '62.

ANTISEPTICS

Testing the permeability of pine wood to nitrogen and antiseptic solutions. V. A. Bazhenov, E. V. Kharik. Trudy Inst. lesa i drev., 65:20-47 '63.

ANTITANK GUNS

Necessary and possible. A. Gorlov. Voen. vest. 42 no. 11 101-104 N '62.

AORTA—ABNORMITIES AND DEFORMITIES

Diagnosis of the transposition of the aortal arch to the right side [with summary in English] P. I. Pasechnik, N. A. Silvrchuk. Vrach. delo no. 9 103-106 S '63.

Stenosis of the aortic isthmus. R. M. Ginzburg, O. M. Ofengenden. Vrach. delo no. 9 136-138 S '63

AORTA—DISEASES

Anatomical forms of stenosis of the aortic orifice. A. L. Mikaelian, L. A. Semenova. Zhur. eksp. i klin. med. 3 no. 1 19-24 '63.

Clinical aspects and surgical treatment of occlusion of the aorta and iliac arteries (Leriche syndrome), review of literature. S. V. Ryneiskii, A. A. Grinberg. Grud. khir. 4 no. 6 114-119 N-D '62

AORTA—SURGERY

Method of excluding the left ventricle of the heart for thoracic aorta surgery [with summary in English] IU. E. Berezov and others. Grud. khir. 4 no. 6 25-29 N-D '62

Neurologic complications in plastic surgery on aortic coarctation [with summary in English] L. G. Frolkina, B. D. Komarov. Grud. khir. 4 no. 6 33-37 N-D '62

State of the collaterals in coarctation of the thoracic aorta. M. N. Anichkov and others. Grud. khir. 4 no. 6 30-33 N-D '62

AORTIC ANEURYSMS

A case of dissecting the aneurysm of the aorta. E. V. Smolikova. Zdravookhranenie 6 no. 2 58-59 Mr-Ap '63

APARTMENT HOUSES see subdivision under Moscow

APARTMENT HOUSES—COST OF CONSTRUCTION

Rogalev, A. V. [Put every ruble to work; persist in lowering the cost of apartment houses] Kazhdyi rubl'—v delo, nastoichivo udeshevliat' zhilishchnoe stroitel'stvo. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 62 p.

APARTMENT HOUSES—DESIGN AND CONSTRUCTION (see also subdivision under Hungary; Moscow, Ukraine)

Construction in the virgin lands needs prefabricated elements. N. Shilov. Zhil. stroi. no. 6 17-20 '63.

Dwellings for small families in state farm villages. R. Mkrtchian. Zhil. stroi. no. 6 12-17 '63.

Improve the standard plans of series 1-335 large-panel apartment houses. N. Sokolovskii. Zhil. stroi. no. 6. 1-4 '63

APARTMENT HOUSES—FIRES AND FIRE PREVENTION

Fire in an apartment house made from large building blocks. A. Stanovenko. Pozh. delo 9 no. 7 21 Jl '63.

APARTMENT HOUSES—SOUNDPROOFING

Kovrigin, S. D., and E. M. Arlevich. [Soundproofing apartment houses] Ustranenie shumov v zhilykh domakh. Moskva, Izd-vo M-va kommun. khoz. RSFSR 1963. 87 p.

APARTMENT HOUSES—VENTILATION

Window ventilation of rooms. V. Gromov, V. Tatarinova. Zhil. stroi. no. 6 29-31 '63.

APATITE see subdivision under Khibiny (Murmansk Province)

APOPLEXY

Surgeons wage war against insultus. V. Rakhmanova. Nauka i zhizn' 30 no. 9 51 S '63.

APPELLATE COURTS

Current plenary session of the Supreme Court of the U. S. S. R. Sots. zakon. 40 no. 8 40-42 Ag '63.

APPELLATE PROCEDURE see subdivision under Ukraine

APPENDICITIS

Determination of the electric activity of the muscles of the anterior abdominal wall in acute appendicitis. A. V. Livshits. Eksper. khir. i anest. no. 1 21-36 '63

APPLE see subdivision under Moscow region

APPLIED MECHANICS see Mechanics, Applied

APPROXIMATE COMPUTATION

Demidovich, B. P., I. A. Maron, and E. Z. Shuvalova. [Numerical methods of analysis; approximation of functions, differential and integral equations] Chislennye metody analiza; priblizhenie funktsii, differentsial'nye i integral'nye uravneniia. Pod red. B. P. Demidovicha. Izd. 2., ispr. i dop. Moskva, Fizmatgiz, 1963. 400 p.

Estimate of terms of second-order approximation in testing abrupt temperature changes. S. I. Gribkova, L. S. Shtemenko. Vest. Mosk. un. Ser. 3: Fiz., astron. 18 no. 3 11-17 My-Je '63.

APSHERON PENINSULA—CONDENSATE OIL WELLS

Iskanderov, M. A. [Efficient development of gas condensate fields; based on an analysis of the development of gas-condensate and gas-condensate oil fields of the Apsheron Peninsula] Ratsional'naia razrabotka gazokondensatnykh mestorozhdenii; na opyte analiza razrabotki gazokondensatnykh i gazokondensatno-neftianykh mestorozhdenii Apsheronskogo poluostrova. Pod red. M. F. Mirchinka. Moskva, Gostoptekhizdat, 1963. 58 p.

APSHERON PENINSULA—EARTH TEMPERATURE

Distribution of temperatures with depth in the oil region. M. F. Kharitonov. Izv. vys. ucheb. zav., neft' i gaz 4 no. 3 3-8 '61.

APSHERON PENINSULA—OIL FIELDS—HYDRODYNAMICS

Hydrodynamic conditions influencing the formation of oil pools in the Sub-Kirmaki series of the Bibi-Eybat field. S. D. Orudzheva. Azerb. neft. khoz. 42 no. 1 11-13 Ja '63.

APSHERON PENINSULA—OIL RESERVOIR ENGINEERING

Programming the development of the Supra-Kirmaki sand stratum of the Balakhani'-Sabunchi-Ramany oil field. R. Kh. Vezirova. Izv. vys. ucheb. zav., neft' i gaz 4 no. 3 13-16 '61

APSHERON PENINSULA—OIL WELL DRILLING EQUIPMENT AND SUPPLIES

Wear of tricone bits in turbodrilling. N. M. Dzhalilov and others. [illegible] 18-20 Ja '64

APSHERON PENINSULA—PETROLEUM PROPERTIES

Relationship between thermal conductivity and depth in the Bibi-Eybat field. K. A. [illegible] neft. khoz. 42 no. 1 42-44 Ja '64.

APSHERON PENINSULA—POLYGONS

Dynamics of tuber formation in two-crop [illegible] in the Apsheron. Z. S. Amirov. Trudy Vses. inst. inst. rast. 12:171-177 '63.

APSHERON PENINSULA—SUBMARINE GEOLOGY

Tectonic pattern of the Lokbatan-Mor[illegible] seismic prospecting data. K. I. Gobarenia, port, G. G. Tumikian. Azerb. neft. khoz. [illegible] Ja '63.

AQUALUNG

What should underwater sports be like? V. Voen. znan. 39 no. 9 30 S '63.

AQUATIC SPORTS (see also subdivision under Checkers)

For amateurs of aquatic sports. B. [illegible] Znan. 39 no. 9 27 S '63.

ARAB AMIRATES OF THE SOUTH

The people of Aden break the fetters of sla[illegible] gnev, O. Gerasimov. Mezhdunar. zhizn' 10 138 S '64

ARAB COUNTRIES

Akademiia nauk SSSR. Institut narodov Azii. [Arab countries, their history, economy, and literature] Arabskie strany; istoriia, ekonomika i literatura. Moskva, Izd-vo vostochnoi lit-ry, 1960. 450 p. (NJP)

ARABIA—ECONOMIC CONDITIONS

Zabirov, B. Sh., and F. A. Shchukin. [Under the sun of Arabia] Pod nebom Aravii; ocherk. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke i tekhnike. XII Seriia: Geologiia i geografiia, no. 10)

ARABIA—POLITICS AND GOVERNMENT

Zabirov, B. Sh., and F. A. Shchukin. [Under the sun of Arabia] Pod nebom Aravii; ocherk. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke i tekhnike. XII Seriia: Geologiia i geografiia, no. 10)

ARABIA—SOCIAL CONDITIONS

Middle Ages in the 20th century [with 1 article in insert]. B. Zabirov. Az. i Afr. [illegible] '63.

ARABIC INSCRIPTIONS see Inscriptions, Arabic

ARAL SEA—ICE

Ice conditions in the Aral Sea. A. I. Sachkova. NIIAK no. 17:37-43 '62.

ARAL SEA REGION—DESERTS

Characteristics of studying desert landforms. S. [illegible] garkin. Trudy Otd. geog. AN Kazakh. SSR [illegible] '63.

ARAL SEA REGION—LANDFORMS

Characteristics of studying desert landforms. S. [illegible] garkin. Trudy Otd. geog. AN Kazakh. SSR [illegible] '63.

ARAL SEA REGION—PIKAS

Distribution of the steppe pika in the Aral Sea [illegible] [with summary in English]. V. G. Gladkova, M. [illegible] Shilov. Biul. MOIP. Otd. biol. 68 no. 1 37-43 [illegible] '63

ARAUJO CASTRO, JOAO AUGUSTO de, 1910-

Leopold Boissier, Araujo Castro. Nov. vremia. 25 no. 38 15 S '63.

ARBITRATION AND AWARD (see also subdivision under China; Cuba; Latvia, Ukraine)

Appeals from and review of the rulings of arbitration agencies. K. I. Aleksandrova. Inform. biul. VNIISZ no. 72, Mor. pravo i prak. no. 10:3-6 '62.

Decision No. 266 of March 9, 1960 of the Council of Ministers of the U. S. S. R. on the amendment of Article 1 of Regulations on the Maritime Arbitration Commission attached to the All-Union Board of Trade. Inform. sbor. TSNIIMF no. 58, Mor. pravo i prak. 40 '61.

A decision of the Interdepartmental Arbitration Agency of the Ministry of Merchant Marine. Inform. sbor. [illegible] no. 67, Mor. pravo i prak. no. 14 53-54 '63.

Decisions of arbitration agencies. Sov. iust. [illegible] 32 Ag '63.

Decisions of arbitration agencies. Sov. iust. [illegible] S '63.

ARBITRATION AND AWARD (Continued)

Directive letters of the State Arbitration Agency attached to the Council of Ministers of the U S S R Inform. shor. TSNIIMF no 67, Mor. pravo i prak. no. 14 47-48 '61.

From the practice of the Interdepartmental Arbitration Commission of the Ministry of Merchant Marine. Inform. shor. TSNIIMF no. 72 Mor pravo i prak. no 16 39-41 '62.

From the practice of the Maritime Arbitration Commission attached to the All-Union Board of Trade Inform. shor. TSNIIMF no. 72 Mor. pravo i prak. no. 16 41-43 '62.

From the practice of Soviet arbitration agencies. Inform. shor. TSNIIMF no. 58, Mor. pravo i prak. no. 12 60-62 '61.

From the practice of the State Arbitration Agency attached to the Council of Ministers of the U. S. S. R. Inform. shor. TSNIIMF no. 72 Mor. pravo i prak. no 16 37-39 '62.

Let us promote public participation in the examination of commercial conflicts. V. Uspenskii. Sov. just. no 15 8 Ag '63.

New procedure in the examination of claims submitted to the State Arbitration Agency attached to the Council of Ministers of the U.S.S.R. and the state arbitration agencies of the R S F S.R. K. N. Aleksandrova. Inform. shor. TSNIIMF no. 67, Mor pravo i prak. no. 14 23-29 '61.

New rules which regulate the examination of commercial conflicts in arbitration agencies. Sov. just. no. 16 4-5 Ag '63.

Some decisions of the Maritime Arbitration Commission. A. D Kudin. Inform. shor. TSNIIMF no. 67, Mor pravo i prak. no. 14 51-61 '61.

Some decisions of the State Arbitration Agency attached to the Council of Ministers of the U. S. S. R. Inform. shor. TSNIIMF no. 67 Morpravo i prak. no 14 50-53 '61.

ARCHAEOCYATHIDAE
(see also subdivision under Siberia, Western)

Systematic position of archaeocyathids. Mat. po geol Zap. Sib. no. 63 11-13 '62.

ARCHAEOLOGICAL EXPEDITIONS see subdivision under Asia Minor; Issykkul' Lake region; Italy

ARCHAEOLOGICAL RESEARCH see subdivision under Kazakhstan

ARCHAEOLOGY—METHODOLOGY

Akademiia nauk SSSR, Institut arkheologii. [New methods in archaeological research] Novye metody v arkheologicheskikh issledovaniiakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 240 p. illus.

ARCHANGEL—LUMBERYARDS

We increase the output of high-quality lumber. L. M. Levantdov. Der. prom. 12 no. 4:23-24 Ap '63.

ARCHANGEL PROVINCE—CONIFERAE

Change the output rates for coniferous seeds. V. I. Sukhanov. Les. khoz. 16 no. 3:88 Mr '63.

ARCHANGEL PROVINCE—FOREST MANAGEMENT

Improvement cuttings in the forests of Archangel Province. G. A. Chibisov. Les. khoz. 16 no. 8 14-17 Ag '63.

ARCHANGEL PROVINCE—KARST

Karst and the economic development of the area in the Onega-Northern Dvina interfluve and the White Sea-Kuloy Plateau. N. P. Torsuev. Nov. kar. i apel. no. 3. 45-50 '63.

ARCHANGEL PROVINCE—MORAINES

Marginal formations of the Valday Glacier in Archangel Province. E. I. Devistova. Trudy Kom. chetv. per. 21:21-29 '63.

ARCHANGEL PROVINCE—SEED PRODUCTION

Change the output rates for coniferous seeds. V. I. Sukhanov. Les. khoz. 16 no. 3:88 Mr '63.

ARCHANGEL REGION—BIRCH

Dwarf birch in the Archangel tundras [with summary in English]. I. A. Perfil'ev. Bot. zhur. 48:1130-1150 Ag '63.

ARCHITECTS see subdivision under Ryazan

ARCHITECTURE
(see also subdivision under Saransk; Uzbekistan)

Urgent problems facing Soviet architecture. Arkhit. SSSR no. 5 1-2 '63.

ARCHITECTURE—DESIGNS AND PLANS

Improve the standard plans of series 1-335 large-panel apartment houses. N. Sokolovskii. Zhil. stroi. no. 6: 1-4 '63.

ARCHITECTURE, ANCIENT see subdivision under Alexandria

ARCHITECTURE, DOMESTIC see subdivision under Adygei District; Trialet Range region

ARCHITECTURE, MEDIEVAL see subdivision under Armenia

ARCHIVES
(see also subdivision under Austria, Kalinin Province, Moscow)

Fate of an ancient archive. R. Pereswetov. Nauka i zhizn' 30 no. 5:42-45 My '63.

ARCTIC REGIONS

Islands of "Izvestiia." A. Less. Sov. pech. no. 7 50-51 Jl '63.

Valuable work of Soviet scientists on the non-Soviet Far North. L. N. Karpov, V. M. Gokhman. Izv. AN SSSR. Ser. geog. no. 5.137-140 S-O '63.

ARCTIC REGIONS—ACTINOMETRY

Absorption of solar radiation in the free atmosphere over the Davis Sea and the Antarctic slope V. F. Belov. Trudy TSAO no 45 82-89 '62.

ARCTIC REGIONS—ATMOSPHERE

Processes in the troposphere in the central part of the Arctic. S. S. Gaigerov, L. M. Kolomiitseva, R. A. Britvina Trudy TSAO no. 11 12-37 '62.

ARCTIC REGIONS—ATMOSPHERIC TEMPERATURE

Some examples of the thermal transformation of air in the lower troposphere of the Arctic. IU. P. Koshel'kov. Trudy TSAO no. 11 38-46 '62.

Winter warmings in the stratosphere of the central part of the Arctic. S. S. Gaigerov. Trudy TSAO no. 11 3-11 '62.

ARCTIC REGIONS—CLIMATE

Geological riddles of the Arctic and the problem of its artificial warming. S. P. Kachurin. Och. po ist. geol. znan. no. 12 197-205 '63.

ARCTIC REGIONS—GEOLOGY

Geological riddles of the Arctic and the problem of its artificial warming. S. P. Kachurin. Och. po ist. geol. znan. no. 12 197-205 '63.

ARCTIC REGIONS—NAVIGATION

Long-term forecasting and arctic navigation. IU. Arsheneveskii. Mor. flot 23 no. 10 18-19 O '63.

Planetable for computations during navigation in ice. A. Shalaginov. Mor. flot 23 no. 10.21-24 O '63.

ARCTIC REGIONS—WINDS

Glacier wind in the Mirnyy region. T. A. TSitotovich. Trudy TSAO no. 41:62-66 '62.

Some data on the local characteristics of tropospheric jet streams in the central part of the Arctic. S. S. Gaigerov. Trudy TSAO no. 41 47-61 '62.

ARGENTINA—ECONOMIC CONDITIONS

"Economic and social situation of Argentina" [in Spanish] by M. Isacovich. Reviewed by S. I. Ul'ianova. Vop. ist. 38 no. 9:165-167 S '63.

ARGENTINA—POLITICS AND GOVERNMENT

Antidemocratic laws in Argentina. N. Razumovich. Sov. just. no. 16:18-20 Ag '63.

ARGON

One hundred question marks IU. Fialkov. Znan. ta pratsia no. 3:13-14 Mr '63.

ARGON—THERMAL PROPERTIES

Theoretical calculation of the viscosity, thermal conductivity, and Prandtl number of ionized argon. P. P. Kulik, I. G. Panevin, V. I. Khvesiuk. Teplofiz. vys. temp. 1 no. 1:58-63 Jl-Ag '63.

ARITHMETIC—AUDIO-VISUAL AIDS

Circle for oral counting. L. I. Balabanov. Rad. shk. 42 no. 9:58-59 S '63.

ARITHMETIC—STUDY AND TEACHING

Mathematical excursions in primary grades B. H. Druz'. Rad. shk. 42 no. 5:55-57 My '63.

Moro, M. I. [Independent work of students in elementary arithmetic classes] Samostoiatel'naia rabota uchashchikhsia na urokakh arifmetiki v nachal'nykh klassakh. Moskva, Izd-vo APN RSFSR, 1963. 158 p. (Pedagogicheskaia biblioteka uchitelia)

Reorganization of the teaching of arithmetic in the fourth grade. IU. M. Koliagin. Nach. shkola 31 no. 9 90-95 S '63.

Research on the knowledge of and skills in arithmetic. L. I. Tarasova. Nach. shkola 31 no. 9:35-39 S '63.

Studying addition and subtraction. P. M. Erdniev. Nach. shkola 31 no. 9.40-44 S '63.

Teaching to count. E. Polishkur. Doshk. vosp. 36 no. 8 28-35 Ag '63.

Urgent problems in teaching arithmetic. N. G. Utkina. Nach. shkola 31 no. 9:95-96 S '63.

We teach four-year-old children to count. N. Petriaeva. Doshk. vosp. 36 no. 8:35-38 Ag '63.

ARKHANGAY DISTRICT—CULTURE

Literature and art festival of the Arkhangay district. Sovr. Mong. 8 no. 7:22 Jl '63.

ARKHARA REGION—AMUR CORK TREE

Growth of Amur cork tree in natural stands. I. A. Panasechkin, N. V. Sepp. Les. khoz. 16 no. 3:19-20 Mr '63

ARLAN REGION—PETROLEUM GEOLOGY

Formation of the structure of the Arlan oil field V. D. Chernousov Geol. nefti i gaza 7 no. 8 42-45 Ag '63

ARMAVIR—HOSPITALS—OUTPATIENT SERVICES

Results of organizing the reception of patients in a polyclinic. V. S. Kuznechkin. Zdrav. Ros. Feder. 7 no. 8. 39-40 Ag '63

ARMENIA—ARCHITECTURE, MEDIEVAL

City building in medieval Armenia [in Armenian with summary in Russian]. V. M. Arutiunian. Ist.-filol. zhur. no. 2:85-100 '63

ARMENIA—BARDS AND BARDISM

The art of Armenian "gusans" [in Armenian with summary in Russian]. M. T. Manukian Ist.-filol. zhur. no. 2:31-40 '63.

ARMENIA—CLAY

Mineralogical composition of Paleozoic clay shales in the southwestern part of the Armenian S. S. R. G. B. Nisanian, I. Kh. Petrosov. Zap. Arm. otd. Vses. min. ob-va no. 2 88-94 '63.

ARMENIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

The backbone of educational work. I. A. Zarobian. Sov. deput. trud. no. 9 9-13 S '63.

ARMENIA—COPPER INDUSTRY

Situation of industrial serfs in the Armenian copper industry [in Armenian with summary in Russian]. B. A. Kalashian. Ist.-filol. zhur. no. 2:71-84 '63

ARMENIA—CORN (MAIZE) —FERTILIZERS AND MANURES

Effectiveness of various forms of phorphorus fertilizers applied to corn and potatoes on podzolized Chernozems in Armenia [with summary in English]. G. K. Grigorian, V. E. Aslanian Pochvovedenie no. 9:8-12 Ag[i. e. S] '63

ARMENIA—ELECTRIC EQUIPMENT INDUSTRY

Sons and stepsons. D. Sobol'. NTO 5 no. 8 15-17 Ag '63.

ARMENIA—GASTROPODA

Recent Upper Cretacian gastropoda of the Armenian S. S. R. V. T. Akopian. Dokl. AN Arm. SSR 36 no. 3 183-188 '63.

ARMENIA—GLACIAL EPOCH

Recent data on the ancient glaciation of Armenia. S. P. Ballian. Dokl. AN Arm. SSR 36 no. 3:179-182 '63.

ARMENIA—INDUSTRIAL HYGIENE

Decades of travel accomplished in a few years. S. Arakelian. Okhr. truda i sots. strakh. 6 no. 9:8-9, 12 S '63.

ARMENIA—KERATOPHYRES

Petrography of keratophyre in the Shamlug-Akhtala ore zone. E. G. Malkhasian, G. A. Kazarian. Zap. Arm. otd. Vses. min. ob-va no. 2.131-141 '63.

ARMENIA—LABOR AND LABORING CLASSES—MEDICAL CARE

Across Armenia with a camera. Okhr. truda i sots. strakh. 8 no. 9 10-11 S '63.

ARMENIA—ORE DEPOSITS

Formation conditions of blind ore bodies in pyrite deposits of northern Armenia. S. U. Vartanian. Trudy MGRI 39:86-91 '63.

Wall rock alternation in the Akhtala barite-complex metal deposit. A. G. Kazarian. Zap. Arm. otd. Vses. min. ob-va no. 2:142-155 '63.

ARMENIA—PLAGUE

Epizootic plague foci in Armenia. S. A. Martchian. Zhur. eksp. i klin. med. 3 no. 1:93-97 '63.

ARMENIA—PLANTS, EFFECT OF PHOSPHORUS ON

Effectiveness of various forms of phosphorus fertilizers applied to corn and potatoes on podzolized Chernozems in Armenia [with summary in English]. G. K. Grigorian, V. E. Aslanian. Pochvovedenie no. 9:8-12 Ag[i. e. S] '63.

ARMENIA—POTATOES—FERTILIZERS AND MANURES

Effectiveness of various forms of phosphorus fertilizers applied to corn and potatoes on podzolized Chernozems in Armenia [with summary in English]. G. K. Grigorian, V. E. Aslanian. Pochvovedenie no. 9 8-12 Ag[i. e. S] '63.

ARMENIA—RELATIONS (GENERAL) WITH SYRIA

Armenian cultural contacts with Syria in the fourth and fifth centuries [in Armenian with summary in Russian]. G. G. Melkonian. Ist.-filol. zhur. no 2:127-136 '63

719 - 838 O - 64 - 10

ARMENIA—REVOLUTION, 1917-1921

The Great October Revolution and the struggle of Armenian workers for the victory of Soviet rule" by TS. P Agaian. Reviewed by G. A. Arutiunov, O. K. Poselianina. Vop.ist. 38 no. 9:106-108 S '63.

ARMENIA—ROCKS, IGNEOUS

Age relationships of ultrabasic and basic intrusive rocks in the ophiolite formation in the Armenian S. S. R. S B Abovian. Zap. Arm. otd. Vses. min ob-va no 2 156-162 '63.

ARMENIA—RODENTS AS CARRIERS OF DISEASE

Epizootic plague foci in Armenia. S. A Mkrtchian Zhur eksp. i klin med 3 no.1 93-97 '63

ARMENIA—SERFDOM

Situation of industrial serfs in the Armenian copper industry [in Armenian with summary in Russian] B A Kalashian. Ist.-filol. zhur no. 2:71-84 '63

ARMENIA—TRACE ELEMENTS

Some characteristics of the distribution of trace elements in the recent volcanic products of Armenia K G. Shirinian and others. Zap. Arm. otd Vses. min ob-va no 2.27-56 '63.

ARMENIA—TRADE UNIONS

Decades of travel accomplished in a few years. S Arakelian. Okhr truda i sots. strakh 6 no.9 8-9, 12 S '63.

ARMENIAN INSCRIPTIONS see Inscriptions, Armenian

ARMENIAN LANGUAGE—VERB

System of conjugational forms of Armenian verbs [in Armenian with summary in Russian]. A A Asmangulian Ist.-filol. zhur. no. 2:151-162 '63

ARMENIANS see subdivision under Lvov, Ukraine, Western

ARMENIANS—CRANIOLOGY

Anthropological composition of the present-day population of Armenia. M. G. Abdushelishvili. Trudy Inst. etn. 82.3-27 '63.

ARMIES see subdivision 'Army' under Bulgaria; Germany, West; Italy; Poland; Russia; United States

ARRHYTHMIA

Polytopic bigeminy of a functional nature. N.S. Evseev, E S. Rom-Bugoslavskaia. Vrach. delo no. 7:130-131 Jl '63.

ARSENIC—METALLURGY

Investigating the leaching of arsenic out of converter dusts with solution of sodium sulfide. I. R. Polyviannyi, IA Z Malkin. Trudy Inst. met. i obog. AN Kazakh. SSR 6 77-90 '63.

ARSENIC COMPOUNDS

Studying the solubility of arsenic compounds in alkali sulfide solutions IA. Z. Malkin, I. R. Polyvianyi. Trudy Inst. met. i obog. AN Kazakh. SSR 6 34-46 '63.

ARSENIOSIDERITE see subdivision under Kirghizistan

ARSENIOUS ACID

α-Vinyl alkyl esters of arsenious and phenylarsinous acids. Gil'm Kamai, R. K Zaripov. Trudy KKHTI no.30:77-81 '62.

ART

For high ideals of literature and art. Vest. Mosk. un. Ser. 7: Filol., zhur. 18 no. 4:10-21 Jl-Ag '63.

Physicist and lyric poets at a round table. A. Khodorov. Znan.-sila 38 no. 3:13-14 Mr '63.

ART—BIBLIOGRAPHY see Bibliography—Art

ART, BULGARIAN—EXHIBITIONS see subdivision under Leningrad

ART—CONGRESSES

Soiuz khudozhnikov SSSR. [Greeting the Second All-Union Congress of Artists; materials on the work of the administrative board of the Union of Artists of the U. S. S. R.] Vtoromu Vsesoiuznomu"ezdu khudozhnikov, materialy o rabote pravlenila Soiuza khudozhnikov SSSR Moskva, [1963] 179 p.

ART, ABSTRACT

Frank discussion. IU. Kolpinskii. Kul't. i zhizn' 7 no. 4:22-25 '63.

Sources of modern abstractionism; in painting and literature. B. V. Mikhailovskii. Vest. Mosk. un. Ser. 7: Filol., zhur. 18 no. 4:22-40 Jl-Ag '63.

ART, GEORGIAN

"Ancient religious beliefs and ritualistic graphic art of Georgian tribes" by V. V Bardavelidze. Reviewed by S P Tolstov. Mat. po etn. Gruz. no 12/13 423-425 '63

ART, MUNICIPAL see subdivision under Moscow

ART, PRIMITIVE

World and myth. A. Kondratov. Znan.-sila 38 no. 7:23-26 Jl '63.

ART AND INDUSTRY

"Aesthetics of work" by N. Silaev. V. Zuikov NTO 5 no. 8 57 Ag '63

ART AND MORALS

Discussing the humanity of the Soviet arts. IU. H. Fal'ko. Rad. lit. 7 no. 5 157-158 S-O '63.

ART INDUSTRIES see subdivision under Vietnam, North

ART INDUSTRIES, UKRAINIAN

The riches of the national culture must be utilized in contemporary life. F. I. Mateiko, D. I. Fuhol'. Mat. z etn. ta mystetstvoznav. no. 7/8:233-235 '62.

ARTEM, pseud see Sergeev, Fedor Andreevich, 1883-1921

ARTEM ISLAND REGION—OIL WELL DRILLING, SUBMARINE

New labor upsurge. E. S Grigorian. Neftianik 8 no 2 10 F '63

Workdays of an offshore drilling crew. S. A. Bozilian. Neftianik 8 no. 2:3-4 F '63

ARTEM ISLAND REGION—OIL WELL DRILLING, SUBMARINE—ELECTRIC EQUIPMENT

Start and feed of the ignition system of the ZIL-120 motor of the APPR hoist and flush unit from an a. c. network. G. A. Tumanov, M. P. Plehman. Neftepromdelo no 6:30-31 '63.

ARTEMOVSKIY—AUXILIARY POLICE

Voluntary policemen are always ready to act. D. Mikhailov, P. Koverda. Sov. deput. trud. no. 9 54-55 S '63.

ARTERIES—DISEASES

Pulseless disease (Takayasu's disease) in children. L. A. Savel'eva, N N. Sivkova. Pediatriia 42 no 1 68-70 Ja '63.

Subcutaneous administration of carbon dioxide in the treatment of obliterating endarteritis F S Aminev Zdrav. Kazakh 23 no. 2:29-31 '63

Thromboangiitis and phlebothrombosis in obliterating endarteritis. T. K. Kukeev. Zdrav Kazakh 23 no 2 27-29 '63.

Volume of erythrocytes in endarteritis obliterans. E B. Babalian. Zhur. eksp. i klin. med. 3 no 1:37-44 '63.

ARTERIES—SURGERY

Methods of improving the collateral blood circulation in resections of arterial trunks and obliterating endarteritis. N A. Khlopov. Zdrav. kazakh 23 no 2 61-62 '63.

ARTERIOSCLEROSIS

Change in the ketone content of blood in elderly people with atherosclerotic cardiosclerosis. L. S. Romanova. Teor. i prak. fiz. kul't. 26 no. 8:30-31 Ag '63.

Comparative study of lipids and lipoproteins in the blood serum in lipoid nephrotic syndrome and atherosclerosis. A. A. Zhukova. Terap. arkh. 35 no. 2:70-77 F '63.

Content of unsaturated fatty acids in the blood during atherosclerosis. V. V. Chernin. Vrach. delo no 7: 129-130 Jl '63.

Coronary blood circulation in pneumosclerosis. A. M. Damir, G. E Sarankin. Terap. arkh. 35 no. 2.16-22 F '63.

Effect of estrogens on the development of experimental atherosclerosis in rabbits of different ages [with summary in English] I D. Nasledova, IA. D Rafael'skii Pat. fiziol i eksp terap 7 no. 1 44-48 Ja-F '63

Effect of prolonged use of easily absorbed carbohydrates (sugar) on the level of blood lipids in atherosclerosis [with summary in English]. A. M. Pleshkov. Terap. arkh. 35 no. 2 66-70 F '63.

Functional state of the thyroid gland in patients with a history of myocardial infarct [with summary in English]. E. G. Paramonova, K. M. Prostiakov. Terap. arkh. 35 no. 2 54-58 F '63.

Influence of vitamin B_{12} on fibrinolysis in atherosclerosis. M. G. Shershevskii. Terap. arkh. 35 no. 2:58-60 F '63.

More on cholesterol. K. Petrovskii. Nauka i zhizn' 30 no. 9 26 S '63.

Practical significance of the Weltmann test in atherosclerosis. A. G. Teregulov, V. F. Bogolavlenskii. Terap. arkh. 35 no. 2 77-82 F '63.

Significance of Kunkel's phenol test for the diagnosis of atherosclerosis [with summary in English]. V. P. Medvedev. Terap. arkh. 35 no. 2:60-66 F '63.

Use of vitamins B_1 and B_{12} on patients with atherosclerosis under polyclinical conditions. V. I. Lopushanskii. Vrach. delo no. 7:149-150 Jl '63.

ARTHRITIS, RHEUMATOID

Complete heart block in infectious nonspecific (rheumatoid) polyarthritis. I. B. Gordon. Vrach. delo no. 7: 143-144 Jl '63.

ARTHROCLADIELLA

Change of the name of the fungus Arthrocladiella lycii. B. P. Vasil'kov. Bot. mat. Otd. spor. rast. 16:112-113 '63.

ARTHROPODA

(see also subdivision under Khabarovsk District)

Destruction of the erythrocytes of vertebrates in the digestive tract of bloodsucking arthropods. IU. S. Balashov. Dokl. AN SSSR 151 no. 6.1170-1173 Ag '63.

ARTIFICIAL INSEMINATION—LABORATORY MANUALS

"Laboratory manual on artificial insemination of farm animals" by I I Zarnichkovskii V G Martynov F I Selunskaia Reviewed by V N Ostrov Veterinariia 39 no 11 86-87 N '62

ARTIFICIAL ISLANDS—DESIGN AND CONSTRUCTION

Considering the dynamic characteristics of offshore structural elements in a liquid medium. T. M. Gadzhie-Azerb. neft. Khoz 42 no 1 39-41 Ja '63.

ARTIFICIAL PNEUMOPERITONEUM see Pneumoperitoneum, Artificial

ARTIFICIAL RESPIRATION

Some characteristics and indications for controlled automatic respiration during anesthesia in general surgery. IA M Kamyshov Zdravookhranenie 6 no 2 45-47 Mr-Ap '63

ARTIFICIAL SATELLITES—BIBLIOGRAPHY see Bibliography—Artificial satellites

ARTIFICIAL SATELLITES—ORBITS

Motion of an artificial earth satellite in the nonspherical atmosphere (with summary in English). A. M I ondrie. Biul. Inst. teor. astron. 9 no. 3:195-203 '63.

Motion of artificial satellites of Mars, Venus and Mercury in the sphere of action of the planet [with summary in English]. G. A. Chebotarev, A. I. Bozhkova. Biul. Inst. teor. astron. 9 no. 3 169-181 '63.

Stability of circular orbits of artificial earth satellites. V. G. Degtiarev. Inzh. zhur. 3 no. 3:513-516 '63

ARTIFICIAL SATELLITES—TRACKING

[Results of observations of Soviet artificial earth satellites] Rez. nabl. sov. isk. sput. Zem. no. 57 '62.

ARTILLERY

Equipment familiarization exercises. V. G. Doshchechkin. Vest protivovuzd. obor. no. 11:19-21 N '61.

ARTILLERY—PROGRAMMED INSTRUCTION

Our training devices. V. Lystsov, A. Logvinenko. Voen. vest. 43 no. 9:56-61 S '63.

ARTILLERY, FIELD AND MOUNTAIN

Operations of a battery in the mountains. A. Kozhevnikov. Voen. vest. 42 no. 11:81-82 N '62.

ARTILLERY DRILL AND TACTICS

Field firing. P. Kuz'min. Voen. vest. 43 no. 9:67-69 S '63.

Mastery is born in labor. N. Natal'in, IU. Pavlov. Voen. vest. 43 no. 9 109-111 S '63.

ARTISTS see subdivision under Ryazan

ARTISTS—CORRESPONDENCE, REMINISCENCES, ETC

IAkovlev, V. N. [My mission] Moe prizvanie. Moskva, Izd-vo Akad. khudozh. SSSR, 1963. 191 p.

[War artists from the M. B. Grekov Studio at the front of the Great Patriotic War; reminiscences, diaries, documents, letters] Voennye khudozhniki studii imeni M. B. Grekova na frontakh Velikoi otechestvennoi voiny; vospominaniia, dnevniki, dokumenty, pis'ma. Leningrad, Khudozhnik RSFSR, 1962. 367 p. illus.

ARTISTS—DICTIONARIES see subdivision under Ukraine

ARTSIKHOVSKII, ARTEMII VLADIMIROVICH, 1902-

A. V. Artsikhovskii's 60th birthday. V. L. IAnin. Vest. Mosk. un. Ser. 9:Ist. 18 no. 2:71-73 Mr-Ap '63.

A. Artsikhovskii's 60th birthday. Vest. drev. ist. no. 1: 166 '63.

ARZAMAS DISTRICT—AGRICULTURAL WORKERS

Why Aleksandr Chekushkin wanted to leave. G. Kalugin. Part. zhizn' no. 19 55-58 O '63.

ASBESTOS—TESTING

Screens of the device for determining the grade of asbestos. T. A. Mikhailisheheva. Standartizatsiia 27 no.9 22-23 S '63.

ASBESTOS CEMENT

Binding properties of asbestos cement wastes and their use in producing heat-insulating materials. E. I. Ved' and others. Stroi. mat. 9 no. 9:35-36 S '63.

ASBESTOS CEMENT ROOFING see Roofing, Asbestos cement

ASBESTOS MINES AND MINING

Titarenko, P. IA. and others. [New developments in boring and blasting operations in asbestos open pit mines] Novoe v burovzryvnykh rabotakh na asbestovykh kar'erakh. Moskva, Gosgortekhizdat, 1963 88 p.

ASCARIDS AND ASCARIASIS see subdivision under Alma-Ata Province,

ASCOMYCETES see subdivision under Rumania

ASCORBIC ACID

Ascorbic acid and glutathione in young hop plants. IU. V Karabanov. Nauk. pratsi Ukr. dosl sta khmel. no 5 65-76 '61.

Content of ascorbic acid in the brain of rats following cerebral decortication S A Chesnokova, M.G Khovanskaia Pat fiziol i eksp terap 7 no 1 79 Ja-F '63

Metabolism in experimental silicosis. Report No 1 Glutathione and ascorbic acid in experimental silicosis. Z. N. Kaipova. Izv. AN Kazakh SSR Ser med nauk no 2:30-35 '63.

Some problems of the biosynthesis of ascorbic acid in the animal organism B I IAnovskaia Usp. sovr biol 56 no 1 3-19 Jl-Ag '63

Vitamin C metabolism in patients with bronchial asthma [with summary in English] M IA. Beliaev. Vrach. delo no. 9 30-35 S '63

ASHA—ROLLING MILLS

Investigating reduction conditions on plate mills at the Asha metallurgical plant L. G. Chubukov, M I. Sirotin, D. I. Sultanov. Trudy Inst. met UFAN SSSR no. 9: 27-33 '62

ASHKHABAD—PUBLIC HEALTH

First in the land B. Zolotarev. Okhr. truda i sots. strakh. 6 no. 7 16-17 Jl '63.

ASIA—COOPERATIVE SOCIETIES

A bad manager brings disorder to the household. S. Garifova. Koop. Kazakh. 6 no. 3 21 Je '63

ASIA—GEOLOGY

birth, 1863-1963] Idei akademika V. A. Obrucheva o geologicheskom stroenii Severnoi i TSentral'noi Azii i ikh dal'neishee razvitie; k stoletiiu so dnia rozhdeniia (1863—1963). Moskva, Izd-vo Akad. nauk SSSR, 1963. 219 p.

ASIA—GEOLOGY, STRUCTURAL

Obruchev, V. A. [Selected works] Izbrannye trudy. Moskva, Izd-vo Akad nauk SSSR
Vol. 5. 1963. 405 p

ASIA—HISTORY

"The Asian century; a history of modern nationalism in Asia [in English] by J. Romein. Reviewed by S. I. Kovalev. Vop. ist. 38 no. 9:156-158 S '63.

ASIA, CENTRAL—DISCOVERY AND EXPLORATION

Kozlov, P. K. [A Russian traveller in Central Asia] Russkii puteshestvennik v TSentral'noi Azii; izbrannye trudy (k stoletiiu so dnia rozhdeniia, 1863-1963). Moskva, Izd-vo Akad. nauk SSSR, 1963 522 p.

ASIA, CENTRAL—HISTORY

"Uprising of 1916 in Central Asia and Kazakhstan" by Kh. Tursunov. Reviewed by T. Lienov. Vop. ist. 38 no. 9:108-110 S '63.

ASIA, SOUTHEASTERN—FOREIGN ECONOMIC RELATIONS—JAPAN

Characteristics of the Japanese expansion in Asia. D. Petrov. Mir. ekon. i mezhdunar. otn. no. 9 35-45 '63.

ASIA, SOVIET CENTRAL see Soviet Central Asia

ASIA MINOR—ARCHAEOLOGICAL EXPEDITIONS

A review of recent archaeological excavations in Asia Minor and Italy. L. P. Marinovich. Vest. drev. ist no. 1:119-137 '63.

ASNIN, DAVID IOSIFOVICH, 1894-1962

Obituaries. Vest. derm. i ven. 37 no. 1 93-94 Ja '63.

ASPEN see subdivision under Kostroma Province

ASPEN—DISEASES AND PESTS see subdivision under Latvia

ASPERGILLUS

(see also subdivision under Moldavia)

Aspergillotoxicosis in swine. V. V. Zhuravlev. Veterinariia 39 no. 9:33-34 S '62.

ASPHALT

Faramazov, S. A. [Complete mechanization and automation of the production of solid oil asphalt] Kompleksnaia mekhanizatsiia i avtomatizatsiia proizvodstva tverdykh neftianykh bitumov. Leningrad, Gostoptekhizdat, 1963. 122 p.

ASPHALT CONCRETE

Using cement dust in asphalt concrete mixtures. N. I. Rashchinskii. Avt. dor. 26 no. 9:20 S '63.

ASPHALTENES—ANALYSIS

Studying the composition of asphaltenes in disseminated bituminous matter K I Rodionova, E P Shishenina, IU M Korolev Geol nefti i gaza 7 no 8 15-20 Ag '63

ASPHYXIA

Comparative evaluation of the gas composition of cadaver blood in different forms of mechanical asphyxia N. S. Seitov Zdrav Kazakh. 23 no. 2 63-64 '63

ASSEMBLY-LINE METHODS

Assembly-line systems for the manufacture of chrome leather from pigskins, and the potentialities for an increase of production capacity and labor productivity. I. K. Kviatkevich. Izv vys. ucheb. zav., tekh. leg. prom no. 2 152-167 '63.

Changes occurring in the technical and economic indices of the process of clothing manufacture in case of an increase of the capacity of the production line M I Ivantsova, K. A. Korneeva, S. I Rusakov. Izv. vys. ucheb. zav., tekh. leg. prom. no 4 105-112 '63.

Continuous operation in construction production is one of the conditions for the industrialization of production. M. Budnikov, V Rybal'skii. Ekon stroi no. 10 13-19 O '63.

Installing the 1A730 semiautomatic multicut lathe in an automatic production line. V. A. Avtonomov, N. G. Rabinovich, V. F. Shapovalov. Mekh. i avtom. proizv. 17 no. 8:1-3 Ag '63.

Principle of similarity for the production lines processing large beef cattle. V Anufriev, R. Faerntaeva. Mias ind. SSSR 31 no 4 54-56 '63.

Semiautomatic lines for the manufacture of chrome leather from pigskins and potentials for increasing production capacity and labor productivity. I. K. Kviatkevich. Izv. vys. ucheb. zav., tekh. leg. prom. no. 1 160-170 '63.

Universal completely mechanized continuous production line for the preparation of syrups. S. M. Zalivanskaia. Khleb. i kond. prom. 7 no. 9 32-34 S '63.

ASTARA-LENKORAN REGION—RICE

Effect of various density of plants on the yield of rice grown with transplantation. D. Kh. Mamedov. Trudy Azerb. nauch.-issl. inst. zem. 12:161-166 '62.

ASTATINE

Positive astatine ion in nitric acid solution. Van Fu-tsziun [Wang Fu-chiung] and others. Radiokhimiia 5 no. 3:351-355 '63.

ASTHMA

(see also subdivision under Crimea)

Attack of bronchial asthma during and after surgery. N V. Prokhov. Grud khir. 4 no 6:104-105 N-D '62.

Vitamin C metabolism in patients with bronchial asthma [with summary in English]. M. IA. Beliaev Vrach delo no. 9:30-35 S '63.

ASTRAKHAN—FOOD INDUSTRY

Efficient utilization of the poultry plant space area between production seasons. A. Bimaev Mias. ind. SSSR 34 no. 4 33-35 '63.

ASTRAKHAN—RUSSIAN SOCIAL DEMOCRATIC PARTY

Sysoev, P. S. [The beginning of the Astrakhan Social Democratic Organization and its first work] Vozniknovenie Astrakhanskoi sotsial-demokraticheskoi organizatsii i pervye shagi ee deiatel'nosti. Astrakhan' Izd-vo "Volga," 1962. 107 p
(CSt-H)

ASTRAKHAN-BAZAR DISTRICT—WHEAT—VARIETIES

Effect of sowing time on the elements of the crop of different winter wheat varieties. G. IU. Abdurragimov. Trudy Azerb. nauch.-issl. inst. zem. 12:51-57 '62.

ASTRAKHAN PROVINCE—FISHERIES

Rational utilization of the riches of the lower Volga Valley. V. Antonov. Part. zhizn' no. 20 28-33 O '63.

ASTRONAUTICS

From the Baykonur "cosmodrome" and from Cape Canaveral. L. Gil'berg. Znan.-sila 38 no. 7:2-1 Jl '63.

Glory to Soviet people, the conquerors of space! Sovr. Mong. 8 no. 7:1 Jl '63.

Let's glorify cosmic victories by our earthly deeds. Les. prom. 40 no. 9:1 S '62.

Motion of artificial satellites of Mars, Venus and Mercury in the sphere of action of the planet [with summary in English]. G. A. Chebotarev, A. I Bozhkova. Biul. Inst. teor. astron. 9 no. 3 169-184 '63.

New victory in space Nauka i zhyttia 13 no. 7:4-4 Jl '63

Optimum motion conditions for flying craft. E. V. Tarasov. Izv. vys. ucheb. zav., av. tekh. 6 no. 3:34-42 '63.

A passenger's dreams.... L. Vorontsov. Znan.-sila 38 no. 7:5-6 Jl '63.

Penetration into space. Kul't. i zhizn' 7 no. 4:20-21 '63.

A striking victory of our country. Part. zhizn' no. 13:3-4 Jl '63.

The World Federation of Trade Unions greet Soviet astronauts. Vaem. prof. dvizh. no. 7/8:46 Jl-Ag '63.

ASTRONAUTS

Diary of astronaut K. Smena 10 no. 14:8-10 Jl '63.

Earthly and heavenly V Peskov. Sov. pech. no 7 21-21 Jl '63.

Sly attacks. P. Popovich Sov. voin 45 no. 15:6-8 Ag '63.

ASTRONOMY

Astronomy in 20 years. I. Shklovskii. Nauka i zhizn' 30 no. 9 55-60 S '63.

Bolarchenko, I. Kh. [To the depths of the universe] V hlybyny Vsesvitu. Kyiv, Radians'ka shkola', 1963. 147 p.

ASTRONOMY—CONGRESSES

Vsesoiuznoe Astronomo-Geodezicheskoe Obshchestvo S"ezd. Kiev, 1960 [Resolutions of the Congress of the All-Union Astronomical and Geodetical Society] Rezoliutsii Moscow, 1960. 15 p
(DN-Ob)

ASTRONOMY—STUDY AND TEACHING

Bazykin, V. V., and I. F. Shevliakov. [Methods for using visual aids in astronomy] Metodika ispol'zovaniia naglidnykh posobii po astronomii. Moskva, Izd-vo "Znanie," 1963. 37 p. (V pomoshch' lektoru)

Let's improve the teaching of astronomy in schools E P Levitan Sov pedag 27 no 8 67-72 Ag '63

ASTRONOMY, SPHERICAL AND PRACTICAL

Moscow. TSentral'nyi nauchno-issledovatel'skii institut geodezii, aeros"emki i kartografii. [Tables on geodetic astronomy] Tablitsy po geodezicheskoi astronomii. Moskva, Gosgeoltekhizdat, 1963. 234 p. (Its Trudy, no. 163)

ASTURIAS, MIGUEL ANGEL

As seen by Guatemalan Indians. V. Kuteishchikova. Vop. lit. 7 no. 9:233-236 S '63.

ATASU REGION—MANGANESE ORES

Dressing iron-manganese ores of the Atasu group of deposits. G I. Kontorovich Gor. zhur. no 9 64-66 S '63.

ATHEISM

(see also subdivision under Minsk Province)

Ardab'ev, A. I. [Atheism of Ludwig Feuerbach] Ateizm Liudviga Feierbakha Moskva, Izd-vo Akad nauk SSSR, 1963. 181 p

The most brilliant example of scientific atheism. A. IA. Krugliak. Nauch zap. Zapor. gos ped. inst. 7:75-80 '59

Paiusov, K. A [Atheistic education of Soviet servicemen] Ateisticheskoe vospitanie sovetskikh voinov Moskva, Voenizdat, 1963 85 p.

We need more books on the philosophical problems of atheism. D. M. Ugrinovich. Vop. filos. 17 no. 8:169-172 '63.

ATHEISM—STUDY AND TEACHING

(see also subdivision under Moldavia)

Aid for atheistic education. Sh. B. Beliakov. Sov. pedag. 27 no. 8 111 Ag '63.

Don't ever forget it. M. Shel. Doshk. vosp. 36 no. 7: 88-90 Jl '63.

Guard your children against religious intoxication. A. Osipov. Doshk. vosp. 36 no. 7, 85-87 Jl '63.

[How to conduct a lesson in scientific atheism] Kak provesti zaniatie po nauchnomu ateizmu. [Moskva] Moskovskii rabochii, 1963. 94 p.

[Eryshev, A. A., R. S. Prykhod'ko, and A. S. Onyshchenko. [Remnants of religion and methods for abolishing them] Religiini perezhytky ta ikh podolannia. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 158 p.

Mikhail Osipovich Loginov. F. Oleshchuk Nauka i zhiz 1 no. 9 49-51 My '63.

Scientific and atheistic training is the task of the whole collective. I. A. Fateev. Vest. vys. shkoly 21 no. 9:51-52 S '63.

ATLANTIC OCEAN—HERRING

Effectiveness of the spawning of Atlanto-Scandinavian herring and the evaluation of its yield in 1961. L.G. IUdanov. Vop. ikht. 3 no. 3:497-505 '63.

ATLANTIC OCEAN—OCEAN TEMPERATURE

Meridional heat transport in the lower troposphere and the anomalies of temperature conditions in the northern part of the Atlantic Ocean [with summary in English]. IU. A. Shishkov. Trudy Inst. okean. 57:156-192 '62.

ATLANTIC OCEAN—OCEANOGRAPHY

Northwestern Atlantic. N. A. Timofeev. Mor. sbor. 46 no. 8:17-26 Ag '63.

ATLANTIC OCEAN—RADIATION

Total radiation of the ocean waters in Antarctica and some parts of the Pacific and Atlantic Oceans. A. I. Kruglova, V. I. Shliakhov. Trudy TSAO no. 45:90-98 '62.

ATLANTIC OCEAN—WAVES

Forecasting waves in the northern Atlantic. Z. K. Abuziarov. Meteor. i gidrol. no. 9 18-23 S '63.

ATLASOV, VLADIMIR VASIL'EVICH, d 1711

New biographical data on Vladimir Atlasov, on the 300th anniversary of his birth. B. P. Polevoi. Izv. AN SSSR, Ser. geog. no. 5:90-92 S-O '63.

ATMOSPHERE

(see also subdivision under Arctic regions, Tashkent region)

Atmospheric ozone and some meteorological processes. A. S. Britaev, A. P. Kuznetsov. Trudy TSAO no. 45 22-31 '62.

Correlational analysis of circulation indices. A. V. Filippova. Meteor. i gidrol. no. 8 32-36 Ag '63

Determination of the level and character of tropopause. D. A. Tarasenko. Meteor. i gidrol. no. 8 36-38 Ag '63

Fluctuations of the refractive index of light waves in the bottom atmospheric layers. N. I. Bozhevnikov. Vest. Mosk. un. Ser. 3: Fiz., astron. 18 no. 3:86-89 My-Je '63.

Measurements of the concentration of ozone in the troposphere and preliminary results of observation. A. S. Britaev. Trudy TSAO no. 45:32-37 '62.

Prognosis of a circulation index using moments of covariance for a barotropic model of the atmosphere. I. P. Smirnov. Izv. AN SSSR. Ser. geofiz. no. 9 1423-1426 S '63.

Some problems of the structure of tropopause. D. A. Tarasenko. Trudy TSAO no. 41 67-81 '62

Vsesoiuznoe nauchnoe meteorologicheskoe soveshchanie 1st, Leningrad, 1961. [Transactions of the All-Union Scientific Meteorological Conference] Trudy Leningrad, Gidrometeoizdat

Vol. 3 [Section on synoptic meteorology] Sektsiia sinopticheskoi meteorologii. Pod red. V. A. Bugaeva i T. V. Pokrovskoi. 1963. 363 p.

Vol. 5 [Section on the physics of the free atmosphere] Sektsiia fiziki svobodnoi atmosfery. Pod red. V. IA. Nikandrova. 1963. 338 p.

Vol. 6 [Section on actinometry and atmospheric optics] Sektsiia aktinometrii i atmosfernoi optiki. Pod red. K. S. Shifrina. 1963. 386 p.

Vol. 8 [Section on agricultural meteorology] Sektsiia agrometeorologii. Pod red. I. A. Gol'tsberg. 1963. 306 p.

ATMOSPHERIC PRESSURE

(see also subdivision under Black Sea region)

Special case of a connection between the rate of tilt and linear deformations and the distribution of atmospheric pressure. V. F. Bonchkovskii. Izv. AN SSSR, Ser. geofiz. no. 9 1361-1368 S '63.

ATMOSPHERIC PRESSURE—PHYSIOLOGICAL EFFECT

Changes in the specificity of heterogenic proteins under the influence of pressure and heating. G. IA. Rozenberg, M. M. Rudashevskaia, N. D. Ul'ianova. Pat. fiziol. i eksp. terap. 7 no. 2 69-70 Mr-Ap '63

Comparative evaluation of some methods of determining the barofunction of the ear [with summary in English]. I. A. Golubchik, Zhur. ush., nos. i gorl. bol. 23 no. 4: 55-58 Jl-Ag '63.

Pathogenesis of high-altitude emphysema [with summary in English]. P. N. Ivanov. Pat. fiziol. i eksp. terap. 7 no. 2 15-19 Mr-Ap '63

ATMOSPHERIC TEMPERATURE

(see also subdivision under Arctic regions; Caspian Sea)

Diurnal temperature variations in the lower and middle stratosphere. V. G. Kastrov, L. A. Birlukova. Trudy TSAO no. 45:3-21 '62.

The present-day changing of the climate. L. G. Polozova, E. S. Rubinshtein. Izv. AN SSSR. Ser. geog. no. 5,3-28 S-O '63.

Radiation errors by temperature measurement in the free atmosphere using a thermal-resistance device of the MMT-1 and KMT-1 type. G. N. Kostianoi. Trudy TSAO no. 45:73-81 '62.

ATMOSPHERIC TRANSPARENCY

(see also subdivision under Pacific Ocean)

Determination of effective transparence coefficient in "standard" masses of the atmosphere. A. I. Sachkova. Trudy NIAK no. 17:3-15 '62.

ATOMIC BOMB

History of the development of the atomic bomb in the U. S. A., England and Germany. V. Glazov. Voen.-ist. zhur. 5 no. 8:97-103 Ag '63.

New books from the Publishing House of the All-Union Volunteer Society for Assistance to the Army, Navy, and Air Force. Voen. znan. 39 no. 9 38 S '63.

ATOMIC BOMBS—PHYSIOLOGICAL EFFECT

Significance of the test-ban treaty. K. Khazankin. Nov. vrem. 21 no. 42:12-13 O '63

ATOMIC BOMB—SAFETY MEASURES

Self-help and mutual aid in the area of nuclear contamination. I. Popov. Voen. znan. 39 no. 9:33-35 S '63.

ATOMIC ENERGY

Brief news. Atom. energ. 15 no. 3:272-273 S '63.

ATOMIC ENERGY—BIBLIOGRAPHY see Bibliography—Atomic energy

ATOMIC ENERGY RESEARCH

Star lighted on earth. S. Levyts'kyi. Nauka i zhyttia 13 no. 7 16-21 Jl '63

ATOMIC POWER PLANTS

Direct generation of electric energy from fuel cells. D. L. Averbakh. Bibl. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8 92-96 '63

ATOMIC SPECTRA

Fine structure of the optical excitation functions of Zn, Cd, and Hg atoms. I. P. Zapesochnyi, V. S. Shevera. Izv. AN SSSR, Ser. fiz. 27 no. 8 1044-1048 Ag '63.

Frish, S. E. [Optical atomic spectra] Opticheskie spektry atomov. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1963. 640 p.

Recent data on the excitation functions of inert gases. I. P. Zapesochnyi, P. V. Feltsan. Izv. AN SSSR. Ser. fiz. 27 no. 8 1040-1043 Ag '63.

ATOMIC WARFARE—MORAL AND RELIGIOUS ASPECTS

A defender of the bomb. IU. Shamin. Mezhdunar. zhizn' 10 no. 10 125-127 O '63

Onyshchenko, O. S. [Christian bell ringers of atomic war] Khrystyians'ki dzvonari atomnoi viiny. Kyiv, Derzhpolitvydav URSR, 1963. 38 p.

ATOMIC WEAPONS

(see also subdivision under Europe, Western; France)

Physical fundamentals of the structure of a nuclear weapon. F. Rybkin. Voen. vest. 43 no. 9:113-116 S '63.

Sedov, A. I. [Radioactive substances] Radioaktivnye veshchestva. Moskva, Voenizdat, 1963. 49 p. (Nauchno-populiarnaia biblioteka voennogo izdatel'stva)

ATOMIC WEAPONS—INTERNATIONAL CONTROL

"Disarm or perish?", a book review. G. Gerasimov. Nov. vrem. 21 no. 40 29-30 O '63.

Lessons of the Moscow negotiations. By a commentator. Mezhdunar. zhizn' 10 no. 9 95-99 S '63

Make the most of the first success. Kommentator. Mezhdunar. zhizn' 10 no. 10 51-55 O '63.

N. S. Khrushchev's answers to the representatives of the Association of Editors and Publishers of Japan. Mezhdunar. zhizn' 10 no. 9:3-9 S '63.

Significance of the test-ban treaty. K. Khazankin. Nov. vrem. 21 no. 42:12-13 O '63

To whose advantage is peaceful coexistence? [With English summary in insert.] Az. i Afr. seg. no. 10 2-3 O '63.

Victory of Lenin's policy of peaceful coexistence. Sov. potrebkoop. 7 no. 9.1-2 S '63.

ATOMIC WEAPONS—TESTING

Good start. IA. Dubravin. Komm. Bel. 37 no. 8,67-72 Ag '63.

Russia (1923- U. S. S. R.). [Declaration of the Soviet government] Zaiavlenie Sovetskogo pravitel'stva. Moskva, Politizdat, 1963. 30 p. ["Pravda," August 21, 1963]

ATOMISM

Zosimov, V. V. [Atomism in physics up to the 19th century] Atomizm v fizike do XIX veka. Nal'chik, Karachaevo-Cherkesskii gos. pedagog. in-t, 1961. 177 p. [MICROFILM]

ATOMIZATION

Use on ships of the mechanical atomizing system in the burning of highly viscous M80-100 mazuts. V. V. Maslov. Inform. sbor. TSNIIMF no. 44. Tekh. ekspl. mor. flota no. 2:56-65 '59.

ATROPINE

Complications developed as the result of internal and subcutaneous use of atropine preparations. T. S. Kurilina. Vrach. delo no. 7:145-140 Jl '63.

ATTACK AND DEFENSE (MILITARY SCIENCE)

Military action of an aggressor in the early period of an offensive war. S. Lipitskii. Voen.-ist. zhur. 5 no. 8: 11-24 Ag '63.

Mistakes which should not have been made. G. Ashin, P. Trifonov. Voen. vest. 42 no. 11:20-33 N '62.

AUDIO-VISUAL EDUCATION

Baranov, S. P. [Sensory experience of the child during elementary education] Chuvstvennyi opyt rebenka v nachal'nom obuchenii. Pod red. I. F. Svadkovskogo. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 122 p.

AUDIOMETRY

Importance of some clinical audiometrical data in the determination of ankylosis variants of the stapes in otosclerosis [with summary in English]. V. A. Gukovich. Zhur. ush., nos. i gorl. bol. 23 no. 4.6-14 Jl-Ag '63

Table of recorded results of vocal audiometry. E. M. Kharshak, V. K. Basalkevich. Zhur. ush., nos. i gorl. bol. 23 no. 4:85-86 Jl-Ag '63.

AUDITING AND INSPECTION

(see also subdivision under Kazakhstan; Kzyl-Orda; White Russia)

Current problems of bank control. N. Fadeev. Den. i kred. 21 no. 9:17-33 S '63.

Kallistov, N. G. [Financial control and record inspection in the organs of the Ministry of Communications] Finansovyi kontrol' i dokumental'naia revizilia v organakh Ministerstva sviazi. Moskva, Sviaz'izdat, 1963. 151 p.

(DBC)

Lenin's principles of party and state control. V. Volin. Kommun. Vooruzh. Sil 3 no. 18 88-92 S '63.

Problems concerning the organizational work in control organs. I. Grushetskii. Part. zhizn' no. 19:15-20 O '63.

V. I. Lenin's views on control. S. Merontsev. Part. zhizn' no. 18 73-76 S '63.

Work of the urban administrations of State Bank offices. L. Stratilatova. Den. i kred. 21 no. 9:60-61 S '63.

AUREOMYCIN

First experience in the production of biomycin-ftamun preparations for livestock breeding. IA. A. Nagorni. Za indus. Riaz. no. 2 64-67 D '61.

Methodology of biomycin electrophoresis in the treatment of suppurative inflammatory processes, experimental research. N. A. Barsukov. Ortop., travm. i protez. 24 no. 2 51-54 F '63

AUREOMYCIN AS FEED

Aureomycin preparation No. 2 for fattening pigs. O. A. Chaikina, K. A. Volobueva. Veterinariia 39 no. 9:89-90 S '62.

AUSTRALASIA—TIDES

Tides of the Australasian seas [with summary in English]. K. T. Bogdanov. Trudy Inst. okean. 66:63-65 '63.

AUSTRALIA—POLITICS AND GOVERNMENT

Light and shadow. V. Mikhailov. Nov. vrem. 21 no. 37 21 S '63

AUSTRALIA—RELATIONS (GENERAL) WITH RUSSIA

In the ice of the Antarctic. V. G. Kort, Kul'turnaia zhizn' 7 no. 2:12-13 '63.

AUSTRALIA—STONE IMPLEMENTS

Australian stone implements in the collections of the Museum of Anthropology and Ethnology. V. R. Kato. Sbor. Muz. ant. i etn. 21 120-148 '63.

AUSTRIA—ARCHIVES

Documentary materials on the history of the U. S. S. R. in Austrian State Archives. V. E. Shutoi. Vop. ist. 39 no. 9:208-213 S '63.

AUSTRIA—FOREIGN RELATIONS—TREATIES

Council of Foreign Ministers. [Draft treaty on the reestablishment of an independent and democratic Austria. Based on the decisions of the Moscow session of the Council of Ministers of Foreign Affairs, the Soviet Delegation] Proekt dogovora o vosstanovlenii nezavisimoi i demokraticheskoi Avstrii. Sostavlen na osnovanii reshenii Moskovskoi sessii Soveta Ministrov Inostrannykh Del, Sovetskaia delegatsiia [n. p.] 30 aprelia 1947 goda. 105 p.

AUSTRIA—POLITICS AND GOVERNMENT

Austria: Crisis or the coalition? H. Schnittke. Nov. vrem. 21 no. 42:9-11 O '63.

AUTHORS—CORRESPONDENCE, REMINISCENCES, ETC.

Fink, V. G. [Literary memoirs] Literaturnye vospominaniia. Moskva, Sovetskii pisatel', 1963. 334 p.

AUTHORS, AMERICAN

Psychography as a "new method" for the study of literature in the United States. A. Nikoliukin. Vop. lit. 7 no. 9:120-128 S '63.

AUTHORS, CHINESE

In defense of civilization. Abd al-Wahhab al-Bayaty. Az. i Afr. seg. no. 10 37 O '63.

AUTOMATIC CONTROL

(see also subdivision under India)

Absolute stability of nonlinear regulated systems with many controls. A. K. Bedel'baev. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2:60-66 '63.

Aizerman, M. A., and F. R. Gantmakher. [Absolute stability of control systems] Absoliutnaia ustoichivost' regulireumykh sistem. Moskva, Izd-vo Akad. nauk SSSR, 1963. 138 p.

"AKRO" is automatic control of the performance of equipment. B. I. Rusakov. Mashinostroitel' no. 8:6-8 Ag '63.

Akademiia nauk Kirgizskoi SSR. Frunze. Institut avtomatiki. [Some problems in the automatic control of nonferrous metal production processes] Nekotorye voprosy avtomatizatsii protsessov proizvodstva tsvetnykh metallov. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 37 p.

Aleksandrovskii, N. M. [Automatic control components, transducers, comparators, and relays] Elementy avtomaticheskikh ustroistv, datchiki, ustroistva sravneniia, rele. Redaktor A. V. Lebedev. Moskva, Izd-vo Mosk. energ. in-t, 1962. 212 p.

Algorithm of the control of the screw-down mechanism on plate mills. L. G. Chubrikov, M. I. Sirotin, D. I. Sularev. Trudy Inst. met. UFAN SSSR no. 9:35-10 '62.

Andreev, A. V., I. L. Anchalov, and G. P. Kudinov. [Automatic control of open-pit mine transportation] Avtomatizatsiia kar'ernogo transporta. Moskva, Gosgortekhizdat, 1963. 253 p.

Apparatus for using automatic control in the continuous inoculation of animals. B. K. Baikov, V. I. Shul'gin. Trud. dop. kontsent. zhivotn. zagot. no. 7:99-104 '63.

Automatic control at lower landings should operate successfully. Les. prom. 10 no. 9:3-4 S '62.

Automatic control in large power generating blocks. V. D. Pivan', V. K. Glukhov, V. K. Prodanov. Energomashinostroenie 9 no. 8:1-3 S '63.

Automatic control of a multirope cage hoist. V. E. Katolikov. Gor. zhur. no. 9:48-51 S '63.

Automatic control of algal cultures. E. A. Ivanov, I. V. Aleksandrova. Usp. sovr. biol. 56 no. 1:90-97 Jl-Ag '63.

Automatic control of chamber-drying of wood. G. N. Kharitonov, V. A. Raspopov. Der. prom. 12 no. 10:18-20 O '63.

Automatic control of feed distribution. V. M. Syniavs'kyi. Mekh. sil'. hosp. 14 no. 5:23-24 My '63.

Automatic control of motorship engine operations. A. Chernysh and others. Rech. transp. 22 no. 9:27-28 S '63.

Automatic control of the soil-digging process of a rotary working part. R. Iu. Podernis. Nauch. trudy Mosk. inst. mekhaniz. i gor. elektromekh. no. 41:109-130 '62.

Automatic control of the steaming regime for reinforced concrete products. A. G. Makovets. Shakht. stroi. 7 no. 7:26-28 Jl '63.

Automatic correlators. Iu. N. Nikiforov. Nauch.-issl. trudy TSNIILV 16:136-150 '62.

Automatic regulation of water-heating systems with gas-burning boilers. V. M. Galtykhin. Avtomatiz. otop. kot. no. 3:78-86 '63.

Automation of hoisting and conveying equipment. N. I. Efrafeev. Mekh. i avtom. proizv. 17 no. 8:53-55 Ag '63.

Automation of machining on centerless grinding machines at the Gor'kiy Automobile Plant. P. M. Zhagulo. Trudy Stud. nauch. ob-va LIEI no. 3:81-87 '59.

Automation of water supply. O. A. Kravets. Mekh. i avtom. proizv. 17 no. 8:8-9 Ag '63.

Bedin, V. V., and others. [Automatic control of marine synchronous generators, systems of direct compounding, static conditions] Avtomatizatsiia sudovykh sinkronnykh generatorov; sistemy priamogo kompaundirovaniia; staticheskie rezhimy. Uchebnoe posobie po kursu "Elektroenergeticheskie ustanovki sudov." Leningrad, Leningr. elektrotekhn. in-t im. V. I. Ul'ianova (Lenina), 1962. 91 p.

Bedin, V. V., and others. [Automatic control of marine synchronous generators; systems of direct compounding, transient conditions] Avtomatizatsiia sudovykh sinkhronnykh generatorov, sistemy priamogo kompaundirovaniia; perekhodnye rezhimy. Uchebnoe posobie po kursu "Elektroenergeticheskie ustanovki sudov." Leningrad, Leningr. elektrotekhnicheskii institut imeni V. I. Ul'ianova (Lenina), 1962. 78 p.

Bernysh, A. F. [Automatic river navigation systems] Sistemy avtomaticheskogo sudovozhdeniia na rekakh. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963. 46 p. (Spravochnaia seriia po novoi tekhnike)

Classification of automatic control systems according to control principles. O. M. Kostiuk. Avtomatyka 8 no. 4:88-94 '63.

Command and executive device for automatic control of a charge distributor depending on the gas temperature along the charge hole circumference of a blast furnace. O. N. Balychev and others. Sbor. trud. TSNIICHM no. 30:23-27 '63.

Complex automatic control on the steamer "Admiral Ushakov." A. Popov. Rech. transp. 22 no. 9:32 S '63.

Conferences on Automatic self-teaching machines. Avtomatyka 8 no. 4:85-87 '63.

Decisions of the technical conference "automation of heating boilers and unification of automatic control devices." Avtomatiz. otop. kot. no. 3:177-184 '63.

Development of automatic control systems for boilers operating on gas. I. I. Tsabut. Avtomatiz. otop. kot. no. 3:129-147 '63.

Device for an automatic selection of an optimum permissible deviation of the temperature of charge-hole circumference from its mean temperature. O. N. Balychev, V. I. Zhilko, I. P. Shibaev. Sbor. trud. TSNIICHM no. 30:28-32 '63.

Dynamics of the cyclic automatic control of a machine having a movable foundation. B. M. Podchufarov. Izv. vys. ucheb. zav.; mashinostr. no. 6:94-94 '63.

Economic effectiveness of general automatic control systems for water-heating boilers operating on gas. B. N. Lernet. Avtomatiz. otop. kot. no. 3:158-161 '63.

Electrostatic device for the continuous measurement of stock concentration in the production lines of woodpulp and paper industries. N. P. Perekal'skii, S. I. Emel'ianov. Trudy LTITSBP no. 11:203-205 '62.

Errors in determining the time of start and acceleration of marine engines. L. G. Sobolev. Sudostroenie 29 no. 8:13-15 Ag '63.

Evaluation and specifications of automatically controlled boiler safety systems. M. B. Slavin. Avtomatiz. otop. kot. no. 3:118-157 '63.

Experimental study of the automatic control of water-heating gas-burning boilers. Iu. P. Rusinkovskii. Avtomatiz. otop. kot. no. 3:13-77 '63.

Gnosiological evaluation of cybernetic models (with summary in English, p. 185). I. B. Novik. Vop. filos. 17 no. 8:92-103 '63.

Grain harvesting combine as an object for the automatic driving system. V. D. Shepovalov. Trakt. i sel'khozmash. 33 no. 4:26-28 Ap '63.

High-duty automatic line for machining electric-motor bodies. Stan. i instr. 34 no. 8:34-35 Ag '63.

Increasing the service reliability of a transistorized contactless position pickup [with summary in English]. N. I. Preobrazhenskii, L. I. Komarov. Izv. TSKBA no. 2:166-172 '63.

Kas'ianov, S. F. [Mechanization and automatic control in ferrous metallurgy] Mekhanizatsiia i avtomatizatsiia v chernoi metallurgii. Moskva, Metallurgizdat, 1963. 351 p.

Khalameizer, M. B. [Fundamentals of the automatic control of air-conditioning systems] Osnovy avtomaticheskogo regulirovaniia ustanovok iskusstvennogo klimata. Moskva, Mashgiz, 1963. 215 p.

Korablev, P. A., and V. M. Suminov. [Automatic control of the readjustment of cutting tools on automatic lathes] Avtomatizatsiia podnastroiki instrumenta na tokarnykh avtomatakh. Moskva, Mashgiz, 1963. 129 p.

Mayer-Boltz's problem for multiple integrals and the optimization of the behavior of systems with distributed parameters. K. A. Lurie. Prikl. mat. i mekh. 27 no. 5:842-853 S-O '63.

Measurement of the speed of relative motion. V. M. Shestopalov. Avtomatyka 8 no. 4:68-70 '63.

Mechanization and automatic control of auxiliary operations on drilling rigs for drilling long blastholes. L. P. Sammel'. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no. 41:92-101 '62.

Minina, O. M. [Determination of the dynamic characteristics and parameters of standard control objects] Opredelenie dinamicheskikh kharakteristik i parametrov tipovykh regulirueмykh ob"ektov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 44 p.

Modern designs of mechanisms for automatic increasing and decreasing of the number of needles on flat rib knitting machines. A. V. Kovarskii. Izv. vys. ucheb. zav., tekh. leg. prom. no. 2:110-120 '63.

More extensive use of measuring instruments and automatic controllers for checking dimensions. E. R. Dvoretskii. Mashinostroitel' no. 9:5-7 S '63.

Moscow. TSentral'nyi institut informatsii tsvetnoi metallurgii. [Centralized control of flotation ore dressing plants] TSentralizovannyi kontrol' flotatsionnykh obogatitel'nykh fabrik. Moskva, 1963. 60 p. (Obogashchenie)

Motion of a power-limited body of variable mass with preset operating time. Iu. N. Ivanov. Prikl. mat. i mekh. 27 no. 5:854-863 S-O '63.

New automatic devices for the manufacture of tubular articles from plastic materials in Czechoslovakia. L. P. Zarudnev. Plast. massy no. 6:70-72 '63.

Operational requirements for the safety equipment of automated heating boiler systems. V. I. Kozachok. Avtomatiz. otop. kot. no. 3:165-169 '63.

Principles of the construction of self-teaching systems for the control of complex processes [with summary in English]. O. H. Ivakhnenko. Avtomatyka 8 no. 4:17-31 '63.

Quick operation problem solved without switching of control functions. K. K. Baimbetov. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2:67-70 '63.

Results of industrial tests of the BS-80 small automatic drilling rig. V. I. Peshkov, Sh. I. Aksanov. Gor. zhur. no. 9:55-56 S '63.

Review of A. S. Azanov's book "Mechanization and automation of machining parts on lathes." G. N. Molchanov. Mekh. i avtom. proizv. 17 no. 8:56-57 Ag '63.

Riabokon', N. G. [Mechanization and the automatic control of technological processes in welding] Mekhanizatsiia i avtomatizatsiia tekhnologicheskikh protsessov svarochnogo proizvodstva; elementy avtomatiki. Moskva, Mashgiz, 1963. 275 p.

Sandler, A. S., and N. G. Sokolov. [Collection of automatic control systems for electric drives of machine tools] Sbornik skhem avtomaticheskogo upravleniia elektroprivodami metallorezhushchikh stankov. Izd. 2., perer. i dop. Moskva, Mosk. energ. in-t, 1963. 31 p.

Searching and correcting method of sand mixture distribution. N. T. Zbarov, M. M. Kushch. Lit. proizv. no. 8:13-14 Ag '63.

Shifrin, M. Sh. [Automatic control of marine steam-power plants, theory and design] Avtomaticheskoe regulirovanie sudovykh parosilovykh ustanovok; teoriia i proektirovanie. Leningrad, Sudpromgiz, 1963. 586 p.

Stability criteria for nonlinear regulated systems based on the method for finding envelopes. A. K. Bekdel'baev. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2:52-59 '63.

"Structural methods in the theory of control and electronic automatic control" by A. S. Shatalov. Reviewed by V. V. Solodovnikov and V. V. Karibanov. Elektrichestvo no. 9:94-96 S '63.

Study of an asynchronous motor in a self-oscillatory mode of operation [with summary in English]. V. I. Antypenko. Avtomatyka 8 no. 4:51-62 '63.

Studying an automatic control system. N. N. Kushkov. Trudy LTITSBP no. 11:165-169 '62.

Studying the direct control of steam pressure and water level in a surface type condenser without taking into consideration the presence of liquid in the steam space. I. S. Podbelo. Trudy LTITSBP no. 11:180-188 '62.

Sufficient conditions for the invariancy of nonlinear systems. V. V. Pavlov. Avtomatyka 8 no. 4:65-67 '63.

Use of pneumatic valves in MZTA electronic automatic control systems. E. V. TSeshkovskii, L. M. Martyniv. Energetik 11 no. 8:11-12 Ag '63.

Use of the inverse operator method in the synthesis of multistage systems [with summary in English]. B. D. Zhuk. Avtomatyka 8 no. 4:3-10 '63.

Using structural networks for determining transfer functions taking nonzero initial conditions into consideration. V. M. Shchittova, G. I. Stepushkin. Sbor. trud. TSNIICHM no. 30:145-149 '63.

Vasil'ev, B. A., Iu. S. Komarov, and B. I. Pavlov. [Automation of production processes in the lumbering industry] Avtomatizatsiia proizvodstvennykh protsessov v lesnoi promyshlennosti. Moskva, Goslesbumizdat, 1963. 184 p.

AUTOMATIC CONTROL—BIBLIOGRAPHY see Bibliography—Automatic control

AUTOMATIC MACHINERY see Machinery, Automatic

AUTOMATIC TELEPHONE see Telephone, Automatic

AUTOMATION

Akademiia stroitel'stva i arkhitektury SSSR. TSentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture. [Mechanization and automatization of factories producing precast reinforced concrete and the assembling of large-panel buildings] Mekhanizatsiia i avtomatizatsiia na zavodakh sbornogo zhelezobetona i montazh krupnopanel'nykh zdanii. Moskva, Gosstroiizdat, 1963. 82 p.

Automatic line for machining cylinder blocks. B. Lipinskii, S. Svidetskii. Trudy Stud. nauch. ob-va LIEI no. 3:97-101 '59.

Automatic system of operational management in lot production. V. E. Kokhman. Mekh. i avtom. proizv. 17 no. 9:9-13 S '63.

Automation of heating industrial boilers using the "Kristall" electronic-draulic system of automatic control. A. A. Stavin. Avtomatiz. otop. kot. no. 3:115-128 '63.

Automation of map drawing and delineation operations abroad. A. S. Vasmut. Geod. i kart. no. 9:62-68 S '63.

Automation of operating processes of boiler units at the Novo-Ryazan Thermal-Electric Power Station. Iu. N. Novozhilov, G. I. Abramov. Za indus. Riaz. no. 2:35-39 D '61.

Automation of production processes in classification yards. G. I. Oleshko. Nauch. trudy KIIIT no. 55:5-17 '62.

Automation of the production processes in distilleries. V. A. Sokolov. Spirt. prom. 29 no. 6:16-20 '63.

Automation of the transfer of thick fillings. E. Nikitin, Khleb. i kond. prom. 7 no. 6:38-39 Je '63.

Basic results and problems of research work in the field of automation of heating boilers. S. A. Chistovich. Avtomatiz. otop. kot. no. 3:12-42 '63.

Complex automation of blast furnace air preheaters. N. M. Mishchenko and others. Stal' 23 no. 6:497-499 Je '63.

Continuous automatic bottling lines in the Leningrad Liqueur and Vodka Distillery. P. N. Galasov, I. A. Stepanov. Spirt. prom. 29 no. 6:20-23 '63.

Cybernetics, calculating machines and their use. M. Bushko-Zhuk. Komm. Mold. 8 no. 3:57-62 Mi '63.

Design of electromagnetic relays with a three-leg core magnetic system. D. M. Zektser. Vest. TSNII MPS 22 no. 6:53-60 '63.

Everyday work of the creators of automatic control equipment. IA. IAshin. NTO 5 no. 8:39-41 Ag '63.

Experience in the operation of coke ovens without the presence of workers for servicing charging hole lids, oven doors and gas collecting mains. G. A. Shvarts. Koks i khim. no. 9:51-56 '62.

Important objective of the national economy. Mekh. i avtom. proizv. 17 no. 9:1-3 S '63.

Improve the planning of technological progress. A. Konson. Plan. khoz. 40 no. 10:20-26 O '63.

AUTOMATION (Continued)
Kokorev, V. A., and IU. V. Kulenkov. [Design dimensional series for looms] Konstruktivnye razmernye riady thatskikh stankov. Moskva, TSentr. in-t nauchno-tekhn. informatsii po avtomatizatsii i mashinostroeniia, 1963. 106 p. (Novye mashiny, oborudovanie i sredstva avtomatizatsii)
(MICROFILM)

Over-all automation of the process of alkylation of benzene by ethylene. I. M. Abdullaev. Za tekh. prog. 3 no. 9 9-11 S '63.

Over-all mechanization and automation in coal mines in the general scheme. A. V. Topchiev. Nauch. trudy Mosk. inst. radioelektron. i gor. elektromekh. no. 31 5-15 '62.

Pavlov, V. E. [Automation of car classification in classification yards] Avtomatizatsiia sortirovki vagonov na sortirovochnykh stantsiiakh, uchebnoe posobie. Leningrad, Leningr. in-t inzhenerov zhel.-dor. transp., 1962. 40 p.

Planning the mechanization and automation of production management. I. A. Bogdanov. Mekh. i avtom. proizv. 17 no. 9, 23-26 S '63.

Present status of and trends in designing automatic control systems for heating industrial boilers and problems of producing the means of automation. V. B. Chistovskii. Avtomatiz. otop. kot. no. 3, 5-11 '63.

Principle of control and schematic realization of automated systems of heat supply. V. P. Nazarov. Avtomatiz. otop. kot. no. 3 97-114 '63.

Raiskii, I. D. [Automation in public eating establishments] Avtomatizatsiia na predpriiatiiakh obshchestvennogo pitaniia. Moskva, Gostorgizdat, 1963. 230 p.

Relay channel with two coding groups. A. Kiliakov. Les. prom. 41 no. 6 23 Je '63.

Role of man and technology in the control of troops. V. Sinkak, V. Vare. Komm. Vooruzh. Sil 3 no. 18 46-50 S '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi planovoi komitet. [Methodology for determining the economic efficiency of the introduction of new machinery, the mechanization and the automation of production processes into industry, adopted by the State Planning Committee of the U. S. S. R. December 9, 1961] Metodika opredeleniia ekonomicheskoi effektivnosti vnedrenitia novoi tekhniki, mekhanizatsii i avtomatizatsii protsessov v promyshlennosti, utverzhdeno Gosplanom SSSR 9 dekabria 1961. Moskva, Izd-vo Akad. nauk SSSR, 1962. 45 p.

Speed up the fulfillment of the decisions of the 22d Congress of the CPSU on over-all mechanization and automation of production processes. I. A. L'vov. Za indus. Riaz. no. 2 33-35 D '61.

Trends in the automation of smelting in oxygen converters. D. I. Turkevich. Stal' 23 no. 6:510-515 Je '63.

AUTOMATION—BIBLIOGRAPHY see Bibliography—Automation

AUTOMATION—DICTIONARIES
Encyclopedia "Automation of Industrial Production and Electronics in Industry." A. I. Berg. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch.-i tekh. inform. no. 9:51-52 '63.

AUTOMATION—ECONOMIC ASPECTS see subdivision under United States

AUTOMATION—SOCIAL ASPECTS
Breev, B. D. [Technological progress and the structure of the labor supply] Tekhnicheskii progress i struktura rabochikh kadrov. Moskva, Ekonomizdat, 1963. 86 p.

AUTOMOBILE DRIVERS see subdivision under Mongolia

AUTOMOBILE DRIVERS—EDUCATION AND TRAINING
Nagula, G. E., V. S. Kaliaskii, and A. I. Manzon. [Handbook for a driver of the third class] Uchebnik shofera tret'ego klassa. Izd. 5. Kiev, Gostekhizdat USSR, 1963. 437 p.

New trends in the training and licensing of drivers. A. Lisin. Avt. transp. 41 no. 5 47-49 My '63.

Review and bibliography. S. Zelichenok. Avt. transp. 41 no. 10, 59-60 '63.

Training of specialists. Z. Massovich. Avt. transp. 41 no. 9 56 S '63.

AUTOMOBILE EXHAUST GAS—SAFETY MEASURES
Reducing the contamination of atmospheric air with exhaust gases. Zh. Mamuadzhiania, L. Stepanov. Avt. transp. 41 no. 5 19-21 My '63.

AUTOMOBILE INDUSTRY
(see also subdivision under Gorkiy)
Our objectives in the light of decisions of the June Plenum of the Central Committee of the CPSU. Avt. prom. 29 no. 10 1 O '63.

AUTOMOBILE INDUSTRY WORKERS see subdivision under Ul'yanovsk

AUTOMOBILE RACING
Automobile racing. Avt. transp. 41 no. 10:49-52 O '63.

AUTOMOBILES
(see also subdivision under Zwickau, East Germany)
New automobiles with small cylinder capacity. Iu. V. Naumov. Avt. prom. 29 no. 10 11-14 O '63.

AUTOMOBILES—CLUTCHES
Investigating operating conditions of hydraulic clutches. Iu. I. Chesednichenko. Avt. prom. 29 no. 10 15-17 O '63.

AUTOMOBILES—DESIGN AND CONSTRUCTION
When four wheels make three tracks. V. Kitaimov. Znan. ta pratsia no. 3 20 Mr '63.

AUTOMOBILES—ENGINES
Repairing certain parts of "Volga" automobile engines. A. Khliavich. Avt. transp. 41 no. 5 27-30 My '63.

AUTOMOBILES—FUEL CONSUMPTION
Temporary norms for fuel consumption for fuel-gas automobiles. V. Kotogodskii. Avt. transp. 41 no. 10 32-33 O '63.

AUTOMOBILES—MAINTENANCE AND REPAIR see subdivision under Ulan Bator

Mechanized welding in the repair of automobile assemblages. G. N. Sarkhoshian, M. IA. Gal'perin. Svar. proizv. no. 9 29-32 S '63.

Periodicity and expedient methods for repairing M-21 engines. S. Krantsberg. Avt. transp. 41 no. 10 29-30 O '63.

Stand for straightening automobile longerons. I. Bednitskii. Avt. transp. 41 no. 10 30-32 O '63.

AUTOMOBILES—TOURING

Happy motoring, automobilists. T. Vasil'chenko. Za bezop. dvizh. 6 no. 7, 8-9 Jl '63.

AUTONOMIC DRUGS
Accumulation of $Na_2HP^{32}O_4$ in tissues and phagocytosis during inflammation under conditions of the use of gangliolytics [with summary in English]. N. I. Shaposhnikova. Pat. fiziol. i eksp. terap. 7 no. 1 61-65 Ja-F '63.

AUTONOMIC NERVOUS SYSTEM see Nervous system, Autonomic

AUTOPSY
Desirability of a postmortem quantitative determination of alcohol in the contents and tissues of the stomach. L. N. Namestnikova, IU. P. Edel'. L. A. Semenko. Sud. med. ekspert. 6 no. 3 55 Jl-S '63.

Expert evaluation of the dynamics of ethyl alcohol distribution within the organism in a medicolegal postmortem examination. P. I. Novikov. Sud.-med. ekspert. 6 no. 3:13-17 Jl-S '63.

AUTORADIOGRAPHY
Autoradiography and surgical treatment of patients with nodular endemic goiter [with summary in English]. M. M. Kovalev, A. P. Krasovskii. Vrach. delo no. 9:67-71 S '63.

AUXILIARY POLICE
Liakin, V. N., and others. [The enemy will not achieve his objective] Vrag ne dostignet tseli. [Leningrad] Lenizdat, 1963. 202 p.

AVELING, ELEANOR (MARX) 1856-1898
Eleonora Marx and literature. B. Sekretov. Vop. lit. 7 no. 8:190-204 S '63.

AYDARLY—CLOTHING INDUSTRY
The trademarkis excellent! M. Akhmetov. Koop. Kazakh. 6 no. 3:57 Je '63.

AZANKA REGION—LUMBERING—MACHINERY
What are the reasons for the failure of a semiautomatic line. E. K. Zhiltsov. Les. prom. 40 no. 9 5 S '62.

AZEOTROPES
Determining the region in which the composition of a three-component azeotrope is located in a concentration triangle [with summary in English]. M. Susarev, L. Kudriavtseva. Izv. AN Est. SSR. Ser. fiz.-mat. i tekh. nauk 12 no. 2:212-217 '63.

Experimental and clinical basis for the rational use of anesthesia equipment in fluothane anesthesia and anesthesia with an azeotropic mixture. A. Z. Manevich, V. I. Zhorov, P. N. Smirnov. Eksper. khir. i anest. no. 1:74-78 '63.

AZEPINONE
Machine for suction and recovery of caprolactam vapors. V. A. Rodionov. Khim. volok. no. 5 64-67 '63.

AZERBAIJAN—BARLEY—VARIETIES
Studying botanical forms of barley in Azerbaijan. F. A. Guseinov. Trudy Azerb. nauch.-issl. inst. zem. 12:63-67 '62.

AZERBAIJAN—BRANDY
Production of cognac in Shamkhor and Khanlar regions. A. B. Tagiev. Za tekh. prog. 3 no. 9 40-42 S '63.

AZERBAIJAN—CALVES—DISEASES AND PESTS
Preparation No. 74 for the treatment of calves infected with ringworm. K. M. Safarov, IU. B. Salarov, S. Dzh.-Imaian. Veterinariia 39 no. 11 36-37 N '62.

AZERBAIJAN—CORN (MAIZE)
Best methods for growing corn as a stubble crop. N. S. Amirov. Trudy Azerb. nauch.-issl. inst. zem. 12 93-[illegible] '62.

AZERBAIJAN—CORN (MAIZE)—FERTILIZERS AND MANURES
Effect of the placement of fertilizers for corn in rice fields of the Lenkoran zone in the Azerbaijan S. S. R. A. A. Akperov. Trudy Azerb. nauch.-issl. inst. zem. 12 79-84 '62.

Spot placement of fertilizers. G. N. Aliev. Trudy Azerb. nauch.-issl. inst. zem. 12,101-104 '62.

AZERBAIJAN—COTTON GROWING
Effect of iron on the yield of cotton [in Azerbaijan with summary in Russian]. Z. I. Mamedov. Trudy Azerb. nauch.-issl. inst. zem. 12,129-145 '62.

AZERBAIJAN—DAIRYING
Milk production and the elimination of its seasonal fluctuations is an important economic objective. G. G. Kerimov. Za tekh. prog. 3 no. 3 36-38 Mr '63.

AZERBAIJAN—EARTHQUAKES
Mashtagi-Nardaran earthquakes of December 17, 1961. V. P. Kuznetsov, Sh. S. Ragimov, S. M. Alieva. Izv. AN SSSR. Ser. geofiz. no. 9 1386-1388 S '63.

AZERBAIJAN—ECONOMIC CONDITIONS
Musabekov, Gazanfar. [Selected articles and speeches in two volumes] Izbrannye stat'i i rechi v dvukh tomakh. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR,
Vol. 2. 1928-1937 gg. 1962. 213 p.

AZERBAIJAN—ELECTRIC POWER
Use of electric power in industrial enterprises of the Azerbaijan S. S. R. I. M. Petrosov. Prom. energ. 18 no. 9 17-18 S '63.

AZERBAIJAN—ELECTRIC PROSPECTING
Electric prospecting measurements under high-conductive well-log conditions and some results of electric water prospecting in Milisko-Karabakhskiy Massif. L. T. Andreev, A. L. Shakhmazarian. Za tekh. prog. 3 no. 9 33-35 S '63.

AZERBAIJAN—EROSION
Raise agricultural standards to the level of new requirements. I. S. Safarov. Trudy Azerb. nauch.-issl. inst. zem. 12:187-190 '62.

AZERBAIJAN—FARM MANAGEMENT
Working out a farm management system is an important task. I. S. Safarov. Trudy Azerb. nauch.-issl. inst. zem. 12:183-185 '62.

AZERBAIJAN—FENUGREEK
Fenugreek (Trigonella foenumgraecum L.) as a stubble crop. N. S. Amirov. Trudy Azerb. nauch.-issl. inst. zem. 12:119-123 '62.

AZERBAIJAN—FIELD CROPS
Raise agricultural standards to the level of new requirements. I. S. Safarov. Trudy Azerb. nauch.-issl. inst. zem. 12:187-190 '62.

AZERBAIJAN—FORAGE PLANTS
Stubble crops as an important source for the accumulation of feeds. I. M. Sadykov, S. G. Gasymov. Trudy Azerb. nauch.-issl. inst. zem. 12:105-112 '62.

AZERBAIJAN—INDUSTRIAL HYGIENE
Public initiative is expanding. K. K. Dadashev. Okhr. truda i sots. strakh. 6 no. 9 12-14 S '63.

AZERBAIJAN—INSCRIPTIONS, ORIENTAL
New inscriptions on the building of a khankah. V. IA. Garnik. Epig. Vost. no. 15-94-98 '63.

AZERBAIJAN—INSURANCE, SOCIAL
Good assistants. I. Mustafaev. Okhr. truda i sots. strakh. 6 no. 9:15 S '63.

AZERBAIJAN—LICHENS
Lichens of the family Teloschistaceae of Azerbaijan. Sh. O. Barkhalov. Bot. mat. Otd. spor. rast. 16:5-18 '63.

AZERBAIJAN—MELONS
Effect of growth promoting substances of petroleum origin on the yield of watermelons and melons. I. I. Borbasov. Trudy Azerb. nauch.-issl. inst. zem. 12:179-181 '62.

AZERBAIJAN—MINING ENGINEERING
Separate breaking down of ores and rocks in mining in lodes. Sh. N. Mamedov, G. G. Mukhtarov. Za tekh. prog. 3 no. 9:27-29 S '63.

AZERBAIJAN—MULBERRY BREEDING
Role of some physicochemical factors in controlled transformation of heredity in the mulberry. I. K. Abdullaev. Vest. sel'khoz. nauki 8 no. 3:88-89 Mr '63.

AZERBAIJAN—OIL WELL DRILLING
Practices in drilling wells of a simplified structure under complex geological conditions in the Kyanizadag area. A. F. Rustambekov and others. Azerb. neft. khoz. 42 no.1 16-18 Ja '63.

AZERBAIJAN—OIL WELL PUMPS
Using rodless pumps in well production in Azerbaijan fields. D. M. Mekhtiev, I. M. Dzhamalov. Azerb. neft khoz. 42 no.1 26-29 Ja '63.

AZERBAIJAN—OIL WELLS
Results of using the sand-phenol-formaldehyde mixture for processing well-bottom zones. D. I. Ismailzade. Azerb. neft. khoz. 42 no.1 28-29 Ja '63.

AZERBAIJAN—OIL WELLS—HYDRAULIC FRACTURING
Pressure gradients in repetitive hydraulic fracturing of strata. A. M. Pilipshch. Neftepromdelo no. 6:11-12 '63.

AZERBAIJAN—PETROLEUM—ANALYSIS
Agalarov, M. S. [Hydrochemistry of principal oil fields in Azerbaijan] Gidrogeokhimiia osnovnykh neftianykh mestorozhdenii Azerbaidzhana. Baku, Azerneftneshr, 1960. 261 p. [MICROFILM]

AZERBAIJAN—PETROLEUM INDUSTRY
Let us carry out the decisions of the November Plenum of the Central Committee of the CPSU. Azerb. neft. khoz. 42 no.11-3 Ja '63.

AZERBAIJAN—PETROLEUM INDUSTRY—HYGIENIC ASPECTS
The bonds between science and industry are being strengthened. V. A. Goncharuk. Neftianik 8 no 2:28 F '63.

AZERBAIJAN—PLANTS, PROTECTION OF
In the Azerbaijan Institute of Plant Protection. G. R. Ibragimov. Zashch. rast. ot vred. i bol. 8 no. 8:9-12 Ag '63.

AZERBAIJAN—POLITICS AND GOVERNMENT
Musabekov, Gazanfar. [Selected articles and speeches in two volumes] Izbrannye stat'i i rechi v dvukh tomakh. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, Vol. 2 1928-1937 gg. 1962. 213 p.

AZERBAIJAN—POLO
"Chovgan," game of the courageous. Rauf Radzhabli. Ogonek 41 no. 21:28-29 My '63.

AZERBAIJAN—RINGWORM
Preparation No. 74 for the treatment of calves infected with ringworm. K. M. Safarov, IU. B. Safarov, S. Dzhumalan. Veterinariia 39 no. 11:36-37 N '62.

AZERBAIJAN—ROCKS, CARBONATE
Petrographic characteristics of carbonate rocks in Upper Cretaceous sediments of the Khovabad oil- and gas-bearing area (Dallyar-Tauz and Gyuliyudzha sections). E. Kh. Madatov, S. K. Rukhmanova. Azerb. neft. khoz. 42 no.1:13-15 Ja '63.

AZERBAIJAN—SEISMIC PROSPECTING
Man is ennobled by labor (continuation). M. G. Pleskachevskii. Neftianik 8 no 2:14-15 F '63.

AZERBAIJAN—SOCIAL CONDITIONS
Trip through Soviet Asia. Moses Mahida, Mahendra Sen. Vsem prof dvizh no 9:24-25 S '63.

AZERBAIJAN—SOCIALIST COMPETITION
Public initiative is expanding. A. K. Dadashev. Okhr. truda i sots. strakh. 6 no. 9:12-14 S '63.

AZERBAIJAN—SUGAR BEETS AS FEED
Sugar beets as a forage crop. M. A. Gasparian. Trudy Azerb. nauch.-issl. inst. zem. 12,125-128 '62.

AZERBAIJAN—TEA MACHINERY
Shortcomings in the automatic control of tea rolling processes and means for their elimination. A. IU. Bagirov. Za tekh. prog. 3 no. 9:43-44 S '63.

AZERBAIJAN—WATER RESOURCES DEVELOPMENT
Dzheyran-Batan water reservoir as a source for urban and industrial water supply. M. S. Agalarov. Za tekh prog 3 no. 3:33-35 Mr '63.

AZERBAIJAN—WHEAT—VARIETIES
Endemic ecological forms of wheat in Azerbaijan [in Azerbaijani with summary in Russian]. M. K. Mamedov. Trudy Azerb. nauch.-issl. inst. zem. 12:3-8 '62.

AZERBAIJAN—WINE AND WINE MAKING
Making Muscatel wines in the Mil'skaya Steppe. F. IU. Mamedov. Za tekh. prog. 3 no. 9:38-40 S '63.

Production of sherry-type wine by the method of oxidizing autolysis of yeast. E. N. Dadashov. Za tekh. prog 3 no 3 38-40 Mr '63.

AZERBAIJANI LANGUAGE—SYNTAX
Gadzhieva, N. Z. [Syntax of the complex subordinate sentence in Azerbaijani (from an historical point of view)] Sintaksis slozhnopodchinennogo predlozheniia v azerbaidzhanskom iazyke (v istoricheskom osveshchenii) Moskva, Izd-vo Akad. nauk SSSR, 1963. 218 p.

AZIMUTH
Simplified calculation of an average reading and true azimuth. S. Smetankin. Voen. vest. 13 no. 9:71-73 S '63.

AZOTOBACTER
Effect of the duration of the action of ultrasonic waves on the development of Azotobacter. O. I. Kolushko, B. IA. El'bert, M. IA. Reznikov. Dokl. AN BSSR 7 no. 8: 561-564 Ag '63.

AZOV, SEA OF—BREAM
Stock protection and legal size limit for bream (Abramis brama L.) in the Azov-Don basin. E. G. Petrova. Vop. ikht. 3 no. 3:472-476 '63.

AZOV, SEA OF—FISHERIES
Fish from the Sea of Azov are really good! A. Levin. Ukraina no. 21:14-15 S '63.

AZOV, SEA OF—STURGEONS
Brief news and information. Vop. ikht. 3 no. 3:573-581 '63.

AZOV SEA REGION—GRANITE
Contact reaction phenomena in Yekaterinovka granites of the Azov Sea region [with summary in English]. L. D. IUr'iev. Dop. AN URSR no. 8:1102-1107 '63.

AZOV SEA REGION—LOCUSTS—EXTERMINATION
In the floodlands of the Sea of Azov region. B. K. Maksiuk. Zashch. rast. ot vred. i bol. 8 no. 1.10-11 Ap '63.

AZULENE—SPECTRA
Fluorescence and absorption spectra of azulene in frozen crystalline solutions. Z. S. Ruzevich. Opt. i spektr. 15 no 3:357-361 S '63.

B C G VACCINATION
Possibility of reversion of the BCG culture in experimental infection of Syrian hamsters. A. V. Inogamov, A. M. Engalycheva. Trudy TashNIIVS 5,165-166 '62.

BABBITT METAL
Factors having an effect on the wear of babbitt bearings and mating steel parts. G. V. Likhnitskii, K. F. Sasskii. Metalloved. i term. obr. met. no. 9 59-60 S '63.

BABINGTONITE
Babingtonite [with summary in English]. M. P. Gabinet, E. N. Eliseev. Min. sbor. no. 16:430-435 '62.

BABYLON—ANTIQUITIES
Did the Tower of Babel exist? P. Plukch. Nauka i tekh. 4 no 5 8-10 My '63.

BACTERIA, LUMINOUS
Bioluminescence of bacteria. I. I. Gitel'son and others. Izv. Sib. otd. AN SSSR no. 3:125-126 '62.

BACTERIA, PHYTOPATHOGENIC see subdivision under Krasnodar Territory

BACTERICIDES
Effect of hexavalent chromium on microorganisms. V. S. Chernevatyi. Zdrav. Kazakh 23 no 2:70-71 '63.

BACTERIOLOGY—CULTURES AND CULTURE MEDIA
Improvement of the culture medium and search for a method of purifying the protective anthrax antigen. N. I. Aleksandrov and others. Zhur. mikrobiol., epid. i immun. 40 no. 1:103-107 '63.

Indications of diphtheria bacilli in a mixed culture by cystine-tellurite-serum media [with summary in English]. V. B. Sadykova. Zhur. mikrobiol., epid. i immun 40 no 1 107-113 '63.

Interrelations of some species of house fungi in a mixed culture. I. A. Petrenko. Trudy Inst. lesa i drev. 65: 95-104 '63.

New elective chinozol medium for the detection of diphtheria bacteria. P. I. Buchin. Zhur. mikrobiol., epid. i immun. 40 no. 1 98-103 '63.

BACTERIOPHAGE
Deoxyribonucleic acids in bacteriophages. D. M. Gol'dfarb. Zhur. mikrobiol., epid. i immun 40 no. 1.14-20 '63.

Detection of pathogenic bacteria of the intestinal group by a mixture of indicator phages. V. N. Kuznetsova, Z. S. Ostrovskaia. Zhur. mikrobiol., epid. i immun. 40 no. 1:57-61 '63.

Phage titer rise reaction in the diagnosis of dysentery [with summary in English]. N. D. Mazurin, TS. S. Rozina-Iiskina. Zhur. mikrobiol., epid. i immun. 40 no. 1 113-116 '63.

BAGRATIONI, VAKHUSTI, 1696 (ca,)-1772
Vakhusti on Ossetia and Ossetes. A. Magometov. Mat. po etn. Gruz. no. 12/13,291-299 '63.

BAIKAL, LAKE—FRESHWATER BIOLOGY
Kozhov, M. M. [Baikal and its life] Baikal i ego zhizn'. Izd. 4., ispr. Irkutsk] Irkutskoe knizhnoe izd-vo, 1963. 97 p. (Nauchno-populiarnaia bibliioteka)

BAIKAL LAKE REGION—BURYATS—CRANIOLOGY
Paleoanthropological materials from the Ust'-Talikino burial ground in the Baikal Lake region, the problems of the origin of the Buryats. I. I. Gokhman. Sbor. Muz. ant. i etn. 21 338-359 '63.

BAIKAL LAKE REGION—GAS, NATURAL—GEOLOGY
Genetic classification of gas occurrences on the southeastern shores of Lake Baikal. V. V. Samsonov. Geol. i geofiz. no. 7 32-39 '63.

BAIKAL LAKE REGION—GEOLOGY
Obruchev fault and Cherskii valleys of the eastern Lake Baikal region. V. V. Lamakin. Och. po ist. geol. znan. no. 12 121-143 '63.

BAIKAL LAKE REGION—GEOLOGY, STRUCTURAL
Structures of seismic origin in the southern Lake Baikal region [with summary in English]. V. S. Khramovskikh. Geol. i geofiz. no. 8:68-81 '63.

BAIKAL LAKE REGION—MOLLUSKS, FOSSIL
Fossil molluska of the Bayanday series (Angara-Lena interfluve) and the stratigraphy of Tertiary sediments in the Lake Baikal region [with summary in English]. N. A. Logachev, S. M. Popova. Geol. i geofiz. no. 8:26-37 '63.

BAIKAL LAKE REGION—MORAINES
Glacial sediments of the Lake Baikal shores. V. V. Lamakin. Trudy kom. chetv. per. 21,126-147 '63.

BAIKAL LAKE REGION—SEISMOLOGY
Structures of seismic origin in the southern Lake Baikal region [with summary in English]. V. S. Khramovskikh. Geol. i geofiz. no. 8:68-81 '63.

BAKELITE
Use of bakelite lacquer for preventing paraffin deposits in petroleum pipes. R. A. Abdullin. Lakokras. mat. i ikh. prim. no 4 41-14 '63.

BAKERIES
(see also subdivision under Caspian Sea region; Samarkand)
Determining the production capacity of bakeries. N. S. Tul'skaia. Khleb. i kond. prom. 7 no. 9 17-19 S '63.
From pages of newspapers. Khleb. i kond. prom. 7 no. 9.46-47 S '63.
Information. Khleb. i kond. prom. 7 no. 9:43-47 S '63.
"Manual for the bakery mechanic" by A. A. Mikhelev. Reviewed by S. Brikman, V. Efimova. Khleb. i kond. prom. 7 no. 8:42-43 Je '63.
Production of city bread. A. I. Pasivkin, O. F. Gurina. Khleb. i kond. prom. 7 no. 9:29-30 S '63.
"Small bakeries or mechanized bakehouses?" Sov. deput. trud. no. 9.81 S '63.
Some problems of specialization in the bakery industry. P. I. Shpakovich. Khleb. i kond. prom. 7 no. 6.15-16 Je '63.
Specialists and the technological progress. IU. I. Grachev, V. D. Filippov. Khleb. i kond. prom. 7 no. 9. 19-21 S '63.

BAKERIES—EQUIPMENT AND SUPPLIES
(see also subdivision under Georgia)
Automated water mixing tank. A. G. Letkin. Khleb. i kond. prom. 7 no. 6:27-28 Je '63.
Dough preparation in the redesigned KhTR make unit. E. S. Kats. Khleb. i kond. prom. 7 no. 6:23-24 Je '63.
Experience in the operation of the peel and incision mechanism for the FTL-2 oven. A. I. Pasivkin. Khleb. i kond. prom. 7 no. 6:21-23 Je '63.
Improved design of the driving pin of the KhDF-M2 dough divider. V. A. Shchuchko. Khleb. i kond. prom. 7 no. 9:30-31 S '63.
Improving the AVB-100M water measuring tank. V. S. Pogorelyi. Khleb. i kond. prom. 7 no. 9.25-26 S '63.
Improving the dough preparation unit of the N. F. Catlin system. L. P. Kudriavtseva, V. V. Orlova, A. I. Prokhorov. Khleb. i kond. prom. 7 no. 6.4-7 Je '63.
Investigating the process of dough forcing through the piston type dough divider. K. P. Gus'kov, IU. A. Machikhin, N. V. Tul'skii. Khleb. i kond. prom. 7 no. 6:10-13 Je '63.
Machine for washing bread troughs. A. I. Syrov. Khleb. i kond. prom. 7 no. 6:24-26 Je '63.
New belt dough rounder. I. S. Gamazinskii. Khleb. i kond. prom. 7 no. 9.26-27 S '63.
The new KhTK-6 dough divider. IA. V. Golovko. Khleb. i kond. prom. 7 no. 9 9-11 S '63.
Shortcomings of the modernized KhTL dough divider unit; letter to the editor. Khleb. i kond. prom. 7 no. 6:26 Je '63.

BAKERIES—FINANCE see subdivision under Kazakhstan

BAKERIES—LABOR PRODUCTIVITY
Specialization is the base for the growth of labor productivity. K. P. Zubarev. Khleb. i kond. prom. 7 no. 6:18-19 Je '63.

BAKERIES—MANAGEMENT see subdivision under Volga

BAKERS see subdivision under Moscow

BAKING

Evaluating the strains of baker's yeast by their capacity to ferment sugar. G. M. Smirnova, L. A. Igorova. Khleb. i kond. prom. 7 no. 6 5-7 S '63.

BAKU—AIRPLANES—LUBRICATION AND LUBRICANTS

Selecting an economical plan for the production of aviation oil in Baku. R. Sh. Kuliev and others. Khim. i tekh. topl. i masel 8 no. 2 28-31 F '63.

BAKU—STARS—OBSERVATIONS

Study of the blinking of stars. M. B. Kerimbekov, M. U. Gashimzade. Izv. AN Azerb. SSR Ser. fiz.-mat. i tekh. nauk no. 2:61-64 '63.

BAKU—THEATERS—DESIGN AND CONSTRUCTION

Open-air theater in Baku. G. Alizade. Arkhit. SSSR no. 5 17-18 '63.

BALANCE OF PAYMENTS

(see also subdivision under European Economic Community Countries, United States)

Brief information on foreign exchange and banks abroad. Den. i kred. 21 no. 10 90-93 O '63.

Is it the reforms that matter? (with summary in English, p. 64) A. Prumin. Vnesh. torg. 43 no. 9 28-33 '63.

BALANCING OF MACHINERY

Damping noise and vibrations by balancing rotating parts. V. I. Krishchik. Mashinostroitel' no. 8:34 Ag '63.

BALCESCU, NICOLAE, 1819-1852

"Sociopolitical and legal ideas of Nicolae Balcescu" by Iu. IA. Baskin. S. Makohon. Rad. pravo no. 3 143-144 My-Je '63.

BALDNESS

Meladinine therapy of disseminated forms of vitiligo, and alopecia areata and universalis [with summary in English]. I. N. Vinokurov, E. K. Reznikov, P. N. Chernova. Vest. derm. i ven. 37 no. 1 12-16 Ja '63.

BALERS

How to make a crankshaft for a wad board of a straw baler. D. S. Perenchuk. Mekh. sil'. hosp. 14 no. 5:17 My '63.

Pick-up baler operates without wire. I. P. Kryvtsun. Mekh. sil'. hosp. 14 no. 5 6-7 My '63.

BALKAR LITERATURE—BIBLIOGRAPHY see Bibliography—Balkar literature

BALKHASH—COPPER—METALLURGY

Processing Balkhash copper concentrates. A. L. TSeft, A. IU. Dadabaev, S. Naimanov. Trudy inst. met. i obog. AN Kazakh. SSR 6 55-63 '63.

BALKHASH—METALWORKERS—EDUCATION AND TRAINING

Becoming an economist is the demand of life. R. Kenbaev. Nar. khoz. Kazakh. 21 no. 7 12-16 Jl '63.

BALKHASH—NONFERROUS METAL INDUSTRIES—MANAGEMENT

Becoming an economist is the demand of life. R. Kenbaev. Nar. khoz. Kazakh. 21 no. 7 12-16 Jl '63.

BALKHASH LAKE REGION—PLANT INTRODUCTION

Physiological and biochemical study of some introduced plants in the southern part of the Lake Balkhash region. G. S. Korol'. Trudy Alma-At. bot. sada 7:125-138 '63.

BALLAST (RAILROADS)

Machine cuts the sand ballast. V. D. Vakulenko. Put' i put. khoz. 7 no. 9:21 '63.

More ballast stone for the summer track work. Put' i put. khoz. 7 no. 7:1-2 '63.

Use of asbestos ballast for the reconditioning of the roadbed. D. F. Kolgatin. Put' i put. khoz. 7 no. 7 16 '63.

BALLAST (RAILROADS)—MAINTENANCE AND REPAIR (see also subdivision under Czechoslovakia)

Ways to prevent the infiltration of impurities into the ballast bed. B. V. Sorokin. Put' i put. khoz. 7 no. 7 29 '63.

BALLET see subdivision under Leningrad

BALLISTIC MISSILES see subdivision under United States

BALLISTOCARDIOGRAPHY

Changes in the ballistocardiogram and electrocardiogram in hypertension patients under the influence of biotron treatment [with summary in English]. V. K. Tkachuk. Vrach. delo no. 7:55-60 Jl '63.

BALLOON ASCENSIONS

"Great-great-grandmother" of Tereshkova. N. Belianchikov. Smena 40 no. 18:30-31 S '63.

BAL'SHIN, MIKHAIL IUL'EVICH, 1900-

Mikhail IUl'evich Bal'shin. A. S. Fialkov. Porosh. met. 3 no. 4 3-5 Jl-Ag '63.

BALTIC PROVINCE—HISTORY

New data on the colonialist plans of the German Empire in the Baltic Sea region in 1918. A. M. Filitov. Vop. ist. 38 no. 9 180-181 S '63.

BALTIC SEA—VISIBILITY

Effect of poor visibility on navigation in the Baltic Sea. A. G. Morozova. Trudy NIAK no. 17 44-57 '62.

BALTIC SEA REGION—HYMENOPTERA, FOSSIL

New hymenopteran genus from Baltic amber. V. A. Timpitsyn. Paleont. zhur. no. 3:89-95 '63.

BALTIC SEA REGION—LANDFORMS

Phase bands of the relief of the Recent Quaternary glaciation in the southeastern part of the Baltic Sea region. V. A. Cepulyte. Trudy Kom. chetv. per. 21 92-98 '63.

BALTIC SEA REGION—MORAINES

Phase bands of the relief of the Recent Quaternary glaciation in the southeastern part of the Baltic Sea region. V. A. Cepulyte. Trudy Kom. chetv. per. 21 92-98 '63.

BALTIC SEA REGION—REVOLUTION, 1917-1921

Izmailov, N. F., and A. S. Pukhov. [Central Committee of the Baltic Sea Fleet] TSentrobalt. Moskva, Voenizdat, 1963. 237 p.

BALTIC STATES—INDUSTRIAL HYGIENE

In fraternal cooperation. R. Kerre. Okhr. truda i sots. strakh. 6 no. 8 7-10 Ag '63.

BALTIC STATES—LEGAL RESEARCH

A coordinating conference in Riga. P. K. Mucinieks, E. I. Tubenshliak. Sov. gos. i pravo no. 10-134-136 O '63.

BALTIC STATES—PRECAST CONCRETE CONSTRUCTION—STANDARDS

Upeniek, U. [Metallic molds of standardized products of precast reinforced concrete for the Soviet Baltic Republics, construction and building materials] Metallicheskie formy unifitsirovannykh izdelii sbornogo zhelezobetona dlia Pribaltiiskikh sovetskikh respublik, stroitel'stvo i stroitel'nye materialy. Riga, TSentr. biuro tekhn. informatsii, 1962. 12 p. (Listok tekhnicheskoĭ informatsii)

BALTIC STATES—RAILROADS—EMPLOYEES

New achievements of the collective of communist labor. S. A. Bliumovich, R. A. Silkin, F. P. Anishchenko. Put' i put. khoz. 7 no. 9:2-4 '63.

BALTIC STATES—TRADE UNIONS

In fraternal cooperation. R. Kerre. Okhr. truda i sots. strakh. 6 no. 8:7-10 Ag '63.

BALZAC, HONORE de, 1799-1850—MUSEUMS, RELICS, ETC.

A room where Balzac had lived. K. Kizub. Ukraina no. 22:6 S '63.

BANACH SPACES

Best approximation by elements of infinite-dimensional subspaces of a certain class. A. L. Garkavi. Mat. sbor. 62 no. 1 104-120 S '63.

A class of Banach spaces of functions. IU. I. Gribanov, P. K. Belobrov. Izv. vys. uchob. zav.; mat. no. 4:41-55 '63.

Nonlinear differential equations with small parameters in a Banach space. B. N. Panaioti. Trudy Inst. mat. i mekh. AN Azerb. SSR 2:39-48 '63.

Some problems connected with the concept of orthogonality in Banach space. A. IU. Levin, IU. I. Petunin. Usp. mat. nauk 18 no. 3:167-170 My-Je '63.

BANDAGES AND BANDAGING

Treatment of wounds with polyvinyl chloride film dressings in an outpatient clinic. R. Sh. Bikitman. Ortop., travm. i protez. 24 no. 2:87-88 F '63.

BANDARANAIKE, SIRIMAVO, 1916-

Sirimavo Bandaranaike. Nov. vrem. 21 no. 42:8 O '63.

BANDS (MUSIC)

Gubarev, I. V. [The band; brief study] Dukhovoĭ orkestr; kratkiĭ ocherk. Moskva, Sovetskiĭ kompozitor, 1963. 73 p. (V pomoshch' rukovoditeliam khudozhestvennoĭ samodeiatel'nosti i prepodavateliam muzyki v obshcheobrazovatel'nykh shkolakh)

BANKS AND BANKING

(see also subdivision under Africa; Nizhniy Tagil; Odessa Province; Pashiya, Stavropol Territory; White Russia)

Bank control over the delivery of goods by trade organizations. I. Blinchevskiĭ. Den. i kred. 21 no. 9:31-35 S '63.

Brief information on foreign exchange and banks abroad. Den. i kred. 21 no. 9:85-88 S '63.

Credit-payment service to production combines. N. Pozdniakov. Den. i kred. 21 no. 10 12-16 O '63.

Current problems of bank control. N. Fadeev. Den. i kred. 21 no. 9:47-53 S '63.

In conflict with reality. P. Domashenko. Den. i kred. 21 no. 10:21-22 O '63.

In the Board of Directors of the State Bank of the U.S.S.R. Den. i kred. 21 no. 9, 93-95 S '63.

In the Board of Directors of the State Bank of the U.S.S.R. Den. i kred. 21 no. 10 94-95 O '63.

In the Foreign Trade Bank of the U.S.S.R. Den. i kred. 21 no. 10 95 O '63.

Increase the bank influence on coal industry enterprises. L. Panes. Den. i kred. 21 no. 10 57-62 O '63.

Source of creative activity. M. Zotov. Den. i kred. 21 no. 9:3-11 S '63.

Work of the urban administrations of State Bank offices. L. Stratilatova. Den. i kred. 21 no. 9:60-61 S '63.

BANKS AND BANKING—ACCOUNTING

(see also subdivision under Bashkiria, Moldavia, Ukraine)

Accounting and operating procedures. Den. i kred. 21 no. 10 75-81 O '63.

Conference-seminar of the chief accountants of State Bank branches. Den. i kred. 21 no. 9:62-68 S '63.

BANKS AND BANKING—AUDITING AND INSPECTION

For the further improvement of accounting and control. S. Pleshakov. Den. i kred. 21 no. 9:40-46 S '63.

BANKS AND BANKING—GOVERNMENT OWNERSHIP see subdivision under Italy

BAPTISTS

(see also subdivision under Moscow, Penza)

Death of V. M. Krasheninnikov. IU. Pletskaia. Brat. vest no. 3 76 '63.

Local news. Brat. vest no. 3 77-80 '63.

To all parishes of Evangelical Christians and Baptists in the U.S.S.R. Brat. vest no. 3 3-4 '63.

To the member of the All-Union Council of Evangelical Christians and Baptists Ilia Grigor'evich Ivanov. Brat. vest no. 3 61 '63.

BARDS AND BARDISM see subdivision under Armenia

BARENTS SEA—PINK SALMON

"Potential" and "final" fecundity of fishes as exemplified by pink salmon (Oncorhynchus gorbuscha (Walb.)) acclimatized in the basins of the White and Barents Seas. G. M. Persov. Vop. ikht. 3 no. 3 490-496 '63.

BARGES

Efficient use of barges for lumber transportation. A. Lukovitskiĭ. Rech. transp. 22 no. 8:14-15 Ag '63.

BARITE see subdivision under Khibiny Mountains

BARIUM

Methods of roentgenological examination of the small intestine with barium administration through a duodenal sound [with summary in English]. E. M. Ivanova. Vest. rent. i rad. 38 no. 1 30-32 Ja-F '63.

Result of the use of tannin in the roentgenological examination of the gastric mucosa [with summary in English]. E. Kons. Vest. rent. i rad. 38 no. 1 32-34 Ja-F '63.

BARIUM SALTS

Use of barium salts for ion precipitation from latexes of carboxylate rubbers. A. R. Kuznetsov, N. N. Pavlov, G. A. Arbuzov. Izv. vys. ucheb. zav., tekh. leg. prom. no. 2 56-59 '63.

BARIUM TITANATE CRYSTALS

Relaxation properties of $BaTiO_3$ single crystals containing antimony. S. V. Bogdanov, V. A. Rassushin, D. K. Sinkin. Fiz. tver. tela 5 no. 9:2703-2704 S '63.

Surface layer in barium titanate single crystals. A. V. Turik. Fiz. tver. tela 5 no. 9:2402-2405 S '63.

BARIUM TITANATE CRYSTALS—GROWTH

Production of crystalline blocks of $BaTiO_3$ from the melt in an oxygen atmosphere. E. V. Burstein, N. P. Smirnova. Kristallografiia 8 no. 5 799-800 S-O '63.

BARK BEETLES—EXTERMINATION

Elm bark beetles. A. D. Maslov. Zashch. rast. ot vred. i bol. 8 no. 9:10-12 S '63.

BARK PEELING

Adhesive forces between bark and wood at low temperatures. V. V. Zakharov. Der. prom. 12 no. 9 10 S '63.

BARLEY

(see also subdivision under Rostov Province; Ukraine)

Using variable temperatures in the breeding of naked barley. D. T. Timofeev. Vest. sel'khoz. nauki 8 no. 3. 100-102 Mr '63.

BARLEY—DISEASES AND PESTS see subdivision under Kazakhstan

BARLEY—VARIETIES see subdivision under Azerbaijan

BASALT

(see also subdivision under Hawaiian Islands region; Tsovinar region)

Heteromorphism and nonequilibrium states of mineral formation in the crystallization of basalt melts. G. A. Rashin. Izv. AN SSSR, Ser. geol. 28 no. 9:18-33 S '63.

BASHKIR POETRY—HISTORY AND CRITICISM
Paths of the Bashkir poem. R. Bikmukhametov. Vop. lit. 7 no. 8:213-216 Ag '63.

BASHKIRIA—BANKS AND BANKING—ACCOUNTING
Machine accounting centers' service the out of town State Bank branches. V. Rak. Den. i kred. 21 no. 9:68-70 S '63.

BASHKIRIA—CORE DRILLING
Alekseev, IU. F., and A. D. Nadezhkin. [Means for increasing core recovery, practices of Bashkirian petroleum workers] Puti uvelicheniia vynosa kerna (opyt neftianikov Bashkirii). Moskva, Gostoptekhizdat, 1963. 67 p.

BASHKIRIA—GAS, NATURAL
Gritsev, N. D. [Casinghead gases and trap petroleums in Bashkiria] Poputnye gazy i trapnye nefti Bashkirii Ufa, Bashkirskoe knizhnoe izd-vo, 1960. 157 p. [MICROFILM]

BASHKIRIA—MACHINE ACCOUNTING
Machine accounting centers' service the out of town State Bank branches. V. Rak. Den. i kred. 21 no. 9:68-70 S '63.

BASHKIRIA—MOSSES, FOSSIL
Actinothuidium hookeri (Mitt.) Broth. in the Kinel' sediments of Bashkiria. A. L. Abramova, I. L. Abramov. Bot. mat. Otd. spor. rast. 16:195-199 '63.

BASHKIRIA—PETROLEUM
Gritsev, N. D. [Casinghead gases and trap petroleums in Bashkiria] Poputnye gazy i trapnye nefti Bashkirii Ufa, Bashkirskoe knizhnoe izd-vo, 1960. 157 p. [MICROFILM]

BASHKIRIA—PETROLEUM—REFINING
A great effort is being made toward technical progress. A. V. Laletin. Neftianik 8 no. 2:21-22 F '63.

BASHKIRIA—PLOWING
Methods for increasing the effectiveness of deep plowing in Bashkiria. S. N. Taichinov, M. M. Ishamidullin. Zemledelie 25 no. 8:37-41 Ag '63.

BASHKIRIA—VETERINARY MEDICINE
Bashkirskii nauchno-issledovatel'skii institut sel'skogo khoziaistva. [Papers of the Bashkir Scientific Research Institute of Agriculture] Uchenye zapiski. Ufa, 1963. 312 p. (DNAL MICROFILM)

BASHKIRTSEVA, MARIIA KONSTANTINOVNA, 1860-1884
Knysh, Irena. [Three contemporaries, 1860-1960, on the centenary of the birth of Uliana Kravchenko, Mariia Bashkirtseva, and Mariia Zan'kovets'ka] Try rovesnytsi, 1860-1960, do stolichchia narodyn Uliany Kravchenko, Marii Bashkirtsev, Marii Zan'kovets'koi [Winnipeg, National Publishers, 1960?] 320 p. illus. [With summary in English] (MiD) (Int)

BAST
Reticulate structure of the bast layer in the stalks of American jute, kenaf, jute and hemp and its role in the system of the mechanical tissues of the stalk. A. A. Arno. Nauch.-issl. trudy TSNIILV 17:3-20 '62.

BATALOV, ABDULKHAI BATALOVICH, 1905-1963
Abdulkhai Batalovich Batalov, obituary. Uzb. geol. zhur. 7 no. 4:87 '63.

BATAYSK—TEACHERS, TRAINING OF
Care for the teacher. B. Panasiuk. Part. zhizn' no. 20:50-52 O '63.

BATENEVSKIY RANGE—GEOLOGY, STRATIGRAPHIC
Stratigraphy of the Batenevskiy Range. V. D. Tomashpol'skaia. Mat. po geol. Zap. Sib. no. 63:56-65 '62.

BATHS, PUBLIC
A few words about public baths in rural areas. I. Ivkov. Sov. deput. trud. no. 9:43-48 S '63.

BATHS, PUBLIC—SANITATION see subdivision under Leningrad

BATHYSCAPHE
Let the ocean part! I. Belousov, IA. Golovanov, P. Dol'nitsyn. Znan.-sila 38 no. 3:46-49 Mr '63.

BATIK see subdivision under Gorkiy

BATISITE
New data on the crystallography of minerals in the batisite-shcherbakovite series. T. A. IAkovlevskaia, A. F. Efimov. Dokl. AN SSSR 151 no. 6:1413-1415 Ag '63.

BATUM—PETROLEUM INDUSTRY—FIRES AND FIRE PREVENTION
Volunteers at work. M. Atroshenko. Pozh. delo 9 no. 9:26 S '63.

BAUMAN, NIKOLAI ERNESTOVICH, 1873-1905
Agent of "Iskra." N. Bychkova. Ogonek 41 no. 22:8 My '63.

BAUXITE
(see also subdivision under Ural Mountains)
Results of adopting a two-stage flowsheet for the comminution of bauxite. IU. I. Nikitin, M. I. Chepelev. TSvet. met. 36 no. 5:78-80 My '63.

BAUXITE—ANALYSIS see subdivision under Kazakhstan

BAVLY REGION—PETROLEUM—ANALYSIS
Results of laboratory determination of the pH of Bavly oils. E. M. Miroshnichenko. Trudy MINKhiGP no. 41:88-92 '63.

BAZUMSKIY RANGE—GABBRO
Petrography and conditions governing the formation of the Lermontovo gabbroic intrusive. G. P. Bagdasarian, Z. O. Chibukhchian. Zap. Arm. otd. Vses. min. ob-va no. 4:103-117 '63.

BEACONS
Servicing navigation lights. I. Fufaev. Rech. transp. 22 no. 9:55 S '63.

BEAMS AND GIRDERS
Approximate calculation of I-beams for bending taking torsion into consideration. A. Z. Zarif'ian. Vest. mashinostr. 43 no. 9:10-12 S '63.
Approximate calculation of laterally loaded beams according to a deformation diagram. A. Z. Zarif'ian. Trudy NPI 136:33-38 '63.
Design of the main beams of crane bridges. I. Kolarov, N. TS'ivenkov. Vest. mashinostr. 13 no. 9:25-31 S '63.
Dobrokhotov, A. A. [Deformations of beams in bending] Deformatsii balok pri izgibe, teoriia i primery (uchebnoe posobie) Moskva, Mosk. gornyi in-t, 1961. 26 p.
Experiments in making prestressed concrete beams for bridges. A. A. Rotinians. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 4:61-64 '63.
Oblique flexure by force of a sectional prismatic beam. R. S. Minas'ian. Izv. AN Arm. SSR. Ser. fiz.-mat. i tekh. nauk no. 2:113-123 '63.

BEAMS AND GIRDERS—VIBRATION
Calculation of beams for forced vibration by the method of mixed matrices. G. V. Vorontsov. Trudy NPI 136:23-32 '63.

BEANS see subdivision under Kazakhstan, Polesye

BEANS—HARVESTING
(see also subdivision under Germany, East; United States)
Performance of machines in forage bean harvesting. A. Chugunov. Tekh. v sel'khoz. 23 no. 3:11-16 Mr '63.

BEARING INDUSTRY see subdivision under Moscow

BEARING METALS
Mechanism of the formation and distribution of oxide inclusions in ball-bearing steel. S. G. Voinov. Stal' 23 no. 6:523-528 Je '63.

BEARINGS (MACHINERY)
Chernousov, N. P. [Hydrostatic bearings] Gidrostaticheskie podshipniki, stenogramma tekstsii. Leningrad, 1963. 47 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serila Mekhanicheskaia obrabotka)

BEARINGS (MACHINERY)—LUBRICATION
Thermal phenomena in the lubrication layer of a thrust bearing during the starting period. M. E. Podol'skii. Inzh. zhur. 3 no. 1:144-149 '63.

BEARINGS (MACHINERY)—TESTING
Study of the performance of polyamide journal bearings. V. M. Shestakov. Plast. massy no. 6:44-47 '63.

BEAUTY, PERSONAL
[For you, newlyweds] Dlia vas, molodozheny. Moskva, Gos. izd-vo torgovoi literatury, 1963. 159 p. (Dlia doma, dlia sem'i)

BEAUVERIN
Using beauverin with DDT for controlling the Colorado beetle. N. A. Telenga and others. Zashch. rast. ot vred. i bol. 8 no. 4:48-49 Ap '63.

BECHER, JOHANNES ROBERT, 1891-1959
Chronicle of his life. E. Elagina. Vop. lit. 7 no. 6:235-237 Ag '63.

BEDNYI, DEM'IAN, 1883-1945
A. V. Lunacharskii on the poetry of Dem'ian Bednyi. V. V. IEfimov. Rad. lit. 7 no. 5:127-131 S-O '63.
[Drawings to the works of Dem'ian Bednyi] Risunki k proizvedeniiam Dem'iana Bednogo. Moskva, Sovetskii khudozhnik, 1963. 1 v. (chiefly illus.)
A session of T. H. Shevchenko Institute of Literature of the Academy of Sciences of the Ukrainian S. S. R. IU. H. Fal'ko. Rad. lit. 7 no. 4:156 Jl-Ag '63.

BEE CULTURE see subdivision under Kazakhstan

BEE VENOM
Poisoning by bee venom due to numerous stings. S. Z. Andreev. Vrach. delo no. 7:146-148 Jl '63.

BEECH
Characteristics of soils in the beech belt on the northern slope of the Stara Planina mountain range [with summary in English]. D. I. Popazov, D. I. Gorelkov. Izv. TSKhA no. 2:72-84 '63.

BEEF CATTLE
(see also subdivision under Kiev Province; Orenburg Province)
Effect of the adrenalin treatment of animals on the course of some biochemical processes. V. Pal'min and others. Miias. ind. SSSR 34 no. 4:53-54 '63.
Modification of the system for the receiving of cattle by the meat combines and payments for cattle based on the weight and quality of meat. D. Grudev, N. Kuritsyn, N. Panova. Miias. ind. SSSR 34 no. 4:37-39 '63.
Payments for beef cattle based on the meat yield. P. Lisin. Miias. ind. SSSR 34 no. 1:39-42 '63.

BEEF CATTLE—FEEDING AND FEEDS
(see also subdivision under Ukraine)
Use of antiretikulin cytotoxic serum. S. I. Pravednik. Veterinariia 39 no. 9:60-61 S '62.

BEIRUT—DESCRIPTION
In Beirut, . . ., a letter from Lebanon. Mamdouh Zayat. Nov. vrem. 21 no. 42:15-16 O '63.

BEKLEMISHEV, VLADIMIR NIKOLAEVICH, 1890-
On V. N. Beklemishev. Med. paraz. i paraz. bol. 32 no. 1:3-5 Ja-F '63.

BELAYA GLINA DISTRICT—COLLECTIVE FARMS
Stollarov, I. K. [Communists in the most important sectors of production] Kommunisty na reshaiushchikh uchastkakh proizvodstva. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1961. 39 p.

BELAYA TSERKOV' DISTRICT—DAIRY CATTLE—FEEDING AND FEEDS
Feeds and milk production. L. Hrinchuk. Ekon. Rad. Ukr. no. 5:44-46 S-O '63.

BELGIUM—COMMUNISTS
How I became a Communist. Henri Lorent. Ogonek 41 no. 21:9 My '63.

BELGIUM—MARITIME LAW
Belgian laws and judicial practice in cases concerning the liability of forwarding merchants for the loss of freight in maritime transportation. IA. P. Volkov. Inform. sbor. TSNIIMF no. 56, Mor. pravo i prak. no. 12:36-47 '61.
How Belgian courts interpret some problems of maritime law. S. A. Gureev. Inform. sbor. TSNIIMF no. 67, Mor. pravo i prak. no. 11:82-87 '61.

BELGOROD—CITRIC ACID
Citric acid plant in Belgorod. N. I. Ignatenko. Khleb. i kond. prom. 7 no. 6:30 Je '63.

BELGOROD—MOTION-PICTURE THEATERS
A large settlement without a cultural center. G. Koval'. Sov. deput. trud. no. 6:86 Je '63.

BELGOROD—TECHNICAL EDUCATION
University of technical knowledge. A. Los'. Prof.-tekh. obr. 20 no. 7:27 Jl '63.

BELGOROD PROVINCE—CONSTRUCTION EQUIPMENT
Belgorod workers are raising the through-put capacity of equipment. I. A. Ivanov. Stroi. mat. 9 no. 9:23-25 S '63.

BELGOROD PROVINCE—FISHPONDS
Characteristics of the Razumnaya fattening ponds of the Klyuchiki Fish Farm in Belgorod Province as related to soil composition. F. M. Sukhoverkhov, A. I. Batenko, V. I. Kuzina. Trudy VNIPRKH 8:166-179 '56.

BELGOROD PROVINCE—MYCOSIS
Fungus diseases in Belgorod Province from 1956 to 1960. G. I. Filatov. Vest. derm. i ven. 37 no. 1:73-74 Ja '63.

BELGOROD PROVINCE—PUBLIC HEALTH, RURAL
Organizing the management of rural public health service under new conditions. L. G. Vasil'ev. Zdrav. Ros. Feder. 7 no. 8:12-14 Ag '63.

BELINSKII, VISSARION GRIGOR'EVICH, 1811-1848
Bass, I. I. [V. G. Belinskii and Ukrainian literature of the 1830's and 1840's] V. H. Bielins'kyi i ukrains'ka literatura 30 — 40-kh rokiv XIX st. Kyiv, Derzhlitvydav URSR, 1963. 173 p.

BELOUSOV, ALEKSEI ALEKSANDROVICH, 1893-
Glorious seventieth birthday. Les. khoz. 16 no. 3:65 Mr '63.

BELOZERSK REGION—FOREST ROADS
Georgiyevka logging truck road. A. I. Pogodin, A. I. Silichev. Les. prom. 40 no. 9:23 S '62.

...mechanisation. 13 no.9 21-24 S '63

Wedge belts in foreign countries. F. M. Sokolovskaia, A. P. Bogaevskii Kauch. i rez 22 no. 8 18-21 Ag '63.

BEN BELLA, AHMAD, 1919-

Ahmad Ben Bella. Nov. vrem. 21 no. 38-6 S '63

BENGAL—PUPPETS AND PUPPET PLAYS

"Ramayana" in the Bengali puppet theater. S. A. Marchi-na. Sbor. muz. ant. i etn. 21:252-266 '63.

BENIN, AFRICA—ANTIQUITIES

Great Benin. Boris Brodskii. Nauka i zhizn' 30 no. 9 33-38 S '63.

BENIN, AFRICA—HISTORY

Great Benin. Boris Brodskii. Nauka i zhizn' 30 no. 9 33-38 S '63.

BENTONITE see subdivision under Soviet Central Asia

BENZAMIDE

Reactions of exchange decomposition of *metallic derivatives* of acid amides. Report No. 2. Interaction of sodium and silver salts of benzamide with monochloromethyl, monobromomethyl, and monochloromethylethyl ethers. A. E. Arbuzov, O. M. Shapshinskaia. Trudy KKHTI no.30:22-27 '62

BENZENE

Adsorption of benzene and n-hexane on silica gel from their vapor mixture [with summary in English]. A. V. Kiselev, L. I. Pavlova. Kolloid. zhur. 25 no. 5:537-542 S-O '63.

Chromicolegal detection of para-toluidine and meta-dinitrobenzene. G. B. Migachev, N. I. Klifo. Sud.-med. ekspert. 6 no. 3:49-50 Jl-S '63

Continuous method for removing unsaturated and sulfur-containing compounds from benzene with sulfuric acid. T. G. Pavlenko, V. B. Fal'kovskii, S. V. L'vov. Khim. i tekh. topl. i masel 8 no. 2:3-6 F '63.

Intensification of the process of benzene recovery. I. M. Khanin and others. Koks i khim. no. 8:40-43 '62.

Interaction of tritium recoil atoms with halo derivatives of benzene. V. V. Pozdeev, An. N. Nesmeianov, B. G. Dzhantiev. Radiokhimiia 5 no. 3 395-397 '63.

Over-all automation of the process of alkylation of benzene by ethylene. F. M. Abdullaev. Za tekh. prog. 3 no. 9 9-11 S '63.

Polymorphism of benzene films on mercury [with summary in English]. Z. M. Zorin. Kolloid. zhur. 25 no. 5 624-626 S-O '63

BENZENE—TOXICOLOGY

Humoral influences of the spleen on the bone marrow in lesions caused by ionizing radiation and benzene [with *summary in English*]. L. I. Geller. Pat. fiziol. i eksp. terap. 7 no. 1:65-70 Ja-F '63.

BENZIMIDAZOLE

Amirov, R. O. [Increasing the resistance of the body to the action of toxic substances] Povyshenie ustoichivosti organizma k deistviiu toksicheskikh veshchestv; eksperimental'noe issledovanie. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 95 p. (DNLM)

BENZOHYDROXAMIC ACID

Extraction of thorium by means of benzohydroxamic acid. Abdel' Gavad Saed, A. V. Lapitskii, N. P. Rudenko. Radiokhimiia 5 no. 3:290-291 '63.

BENZOIC ACID

Local anesthetic properties of stereoisomers of benzoic ester hydrochloride of 2-methyl-4-hydroxydecahydroquinoline. Report No. 3. L. I. Chebekova. Izv. AN Kazakh. SSR, Ser. med. nauk no. 1:23-27 '63.

Problem of the synthesis of para-aminobenzoic acid by Mycobacterium tuberculosis and Staphylococcus albus [with summary in English]. I. M. Svetova. Zhur. mikrobiol., epid. i immun. 10 no. 1 25-28 '63

BEREGOVO DISTRICT—MILITARY EDUCATION

For the benefit of society. G. Katavaev. Voen. vest. 42 no. 11:10 N '62.

BEREGOVO DISTRICT—SULFATES

Fibrous sulfate from Beregovo District in Transcarpathia [with summary in English]. E. F. Sidorenko, V. K. Zinchuk. Min. sbor. no. 16:253-260 '62

BEREST'NEV, NIKOLAI MIKHAILOVICH, 1861-1910

Scientific activity of N. M. Berestnev; on the 50th anniversary of his death. S. V. Solov'ev. Zhur. mikrobiol. epid. i immun. 10 no. 1:153-155 '63

BERGER, ANTOLII KSAVER'EVICH, 1889-1962

A. K. Berger; an obituary. Vest. drev. ist. no. 1:199-200 '63.

BERING SEA—LAMPREYS

Attacks of the lamprey Entosphenus tridentatus (Gairdner) on halibut and other fishes of the Bering Sea. N. P. Novikov. Vop. ikht. 3 no. 3:567-569 '63.

The "Kosmos" motion-picture theater in Berlin. I. Kaiser. Arkhit. SSSR no. 5 58-60 '63.

BERMAN, LEV DAVIDOVICH, 1903-

L. D. Berman, on his 60th birthday. Elek. sta. 34 no. 9-'63 S '63

BERSHAD' DISTRICT—AGRICULTURAL ADMINISTRATION

We should strengthen the economy of collective and state farms. A. T. Srundik. Sov. deput. trud. no. 9:26-29 S '63.

BERYLLIUM

(see also subdivision under Lovozero Tundras)

Some problems affecting the determination of beryllium by the photoneutron method in a laboratory. V. N. Smirnov, D. V. Tolareva. Atom. energ. 15 no. 4:334-335 O '63

BERYLLIUM—ANALYSIS

Quantitative determination of the sum of rare-earth elements, ruthenium, palladium, and platinum in metallic beryllium using the activation method. V. N. Zamiatnina, L. A. Chikirisheva. Radiokhimiia 5 no. 3 291-298 '63.

BERYLLIUM CHLORIDE

Compounds of beryllium chloride with phosphorus oxychloride. N. IA. Turova, K. N. Semenenko, A. V. Novoselova. Zhur. neorg. khim. 8 no. 9:2155-2162 S '63.

BERYLLIUM COMPOUNDS

Carbonate complex of beryllium (III) with hexammonocobalt (III). A. V. Vinogradov, R. M. Aprina, E. P. Cheratvenkova. Zhur. neorg. khim. 8 no. 9 2062-2064 S '63.

Structure of "onium" compounds of beryllium halides. K. N. Semenenko, N. IA. Turova. Zhur. neorg. khim. 8 no. 9:2093-2098 S '63.

BERYLLIUM HALIDES

Structure of "onium" compounds of beryllium halides. K. N. Semenenko, N. IA. Turova. Zhur. neorg. khim. 8 no. 9:2093-2098 S '63.

BERZIN, REINGOL'D IOSIFOVICH, 1888-1939

R. I. Berzin. S. Aralov, G. Smirnova. Voen.-ist. zhur. 5 no. 8:123-124 Ag '63.

BESM COMPUTER

Use of the BESM-2 computer in determining the S_2 trial component for the Pacific water area. K. T. Bogdanov, V. A. Magarik. Dokl. AN SSSR 151 no. 6:1315-1318 Ag '63.

BESSEMER PROCESS

(see also subdivision under Ukraine)

Comparison of material balances in oxygen converters and large-capacity open-hearth furnaces with the use of oxygen. N. M. Korkoshko and others. Stal' 23 no. 9 788-791 S '63.

Garbuz, G. A. [Steel production in oxygen converters] Proizvodstvo stali v kislorodnykh konverterakh; tematicheskii obzor. Kiev, Gos. izd-vo tekhn. lit-ry *USSR, 1963*. 71 p.

Increasing the output and improving the durability of converter linings. I. N. Varnavskii and others. Metallurg 8 no. 9 26-27 S '63.

Interaction between a jet of oxygen and liquid pig iron during its top blowing in a converter. E. M. Ogiyzkin. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no. 2:17-21 Mr-Ap '63.

Investigating the oxygen-converter process for the converting of low-manganese pig iron. M. P. Kvitko, M. M. Shumov, S. G. Afanas'ev. Stal' 23 no. 6:501-506 Je '63

Trends in the automation of smelting in oxygen converters. D. I. Turkevich. Stal' 23 no. 6:510-515 Je '63.

BETA RAYS

Determination of $MsTh_1$ by measuring β-radiations of $MsTh_2$ in a radium preparation from which foreign radioelements were removed. N. G. Syromiatnikov, F. A. Mukashev, L. A. Kapatsinskaia. Radiokhimiia 5 no. 3:356-360 '63.

Luk'ianov, V. B. [Measurement and identification of beta-radioactive preparations] Izmerenie i identifikatsiia beta-radioaktivnykh preparatov. Moskva, Gosatomizdat, 1963. 166 p.

BETEKHTIN, ANATOLII GEORGIEVICH, 1897-1962

Academician A. G. Betekhtin; obituary. D. I. Gorzhevskii and others. Min. sbor. no. 16:454-456 '62.

BEVEL-GEARING see Gearing, Bevel

BEZOAR

Recognition of shellac calculi of the stomach. *Vest. rent. i rad.* 38 no. 1:67 Ja-F '63.

X-ray diagnosis of phytobezoars. T. S. Sakk. *Vest. rent. i rad.* 39 no. 1:68 Ja-F '63

BEZYMYANNYY VOLCANO

Eruption of the Bezymyannyy Volcano in the spring of 1961. E. K. Markhinin and others. Biul. Vulk. sta. no. 34:12-35 '63.

...the detailed survey). G. Diamantiants. Az. i Afr. arkh. no. 3:31, 51 S '63.

BIBLIOGRAPHY

[Annual of Soviet books, classed index] Ezhegod. knigi SSSR, sist. ukaz. vol. 1 '62, publ. '63.

[Book chronicle] Knizh. let. nos. 38-44 '63. *Vsesoiuznyi* gatel'nye ukazateli k nos. 14-26 za 1963 g. Dopolnitel'nyi vypusk no. 9 '63.

Books written by journalists. Sov. pech. no. 7:46 Jl '63.

Books written by journalists. Sov. pech. no. 8 48 Ag '63

Books written by journalists. Sov. pech. no. 9 47 S '63

Books written by journalists. Sov. pech. no. 10 42 O '63.

[Information index of bibliographical lists and card files] Inform. ukaz. bibl. spis. i kart. 7 no. 20 O '63.

[New books; bibliographical weekly] Nov. knigi; bibl. ezhened. 8 nos. 41-44 O '63.

[New books of the U. S. S. R.] Nov. knigi SSSR nos. 40, 42-43 O '63.

BIBLIOGRAPHY—AESTHETICS

[Industrial aesthetics; a bibliography of literature published from 1958 to 1962] Tekhnicheskaia estetika, bibliograficheskii ukazatel' 1958-1962 gg. Ikv. Kiev, Kievskii dom nauchno-tekhnicheskoi propagandy, 1962 *14 p.*

BIBLIOGRAPHY—AGRICULTURAL MACHINERY

New books. Tekh. v sel'khoz. 23 no. 3:93 Mr '63.

Put into practice advanced methods! Tekh. v sel'khoz. 23 no. 3:59-60 Mr '63.

BIBLIOGRAPHY—AGRICULTURE

From the pages of agricultural journals. Tekh. v sel'kho., 23 no. 3:91-93 Mr '63.

In the Scientific Council of the Academy. Izv. TSKHA no. 2 232-236 '63.

[Information bulletin of new foreign books, received by the Lenin Library. Series 2: Biological, medical, and agricultural sciences] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2: Biol., med. i sel'khoz. nauki 6 nos. 28-29 O '63.

New books. Visnyk sil'hosp nauky 6 no. 9:122-124 S '63.

[New foreign books. Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V: Biol., med., sel'. khoz. 7 nos. 9-10 S-O '63.

BIBLIOGRAPHY—ALCOHOLISM

Kharkov. Derzhavna naukova medychna biblioteka. [Alcoholism and its control, a brief bibliographic index] Alkogolizm i bor'ba s nim; kratkii bibliograficheskii ukazatel'. Khar'kov, 1960 25 p

[MICROFILM]

BIBLIOGRAPHY—ART

[Literature and art of the peoples of the U. S. S. R. and foreign countries] Lit. i isk. nar. SSSR i zarub. stran no. 5 '63.

BIBLIOGRAPHY—ARTIFICIAL SATELLITES

First Soviet artificial earth satellite. Kal. znam. i pam. dat 8 no. 10 19-21 O '63.

BIBLIOGRAPHY—ATOMIC ENERGY

New literature. Atom. energ. 15 no. 3:274-278 S '63.

New literature. Atom. energ. 15 no. 4:354-358 O '63.

BIBLIOGRAPHY—AUTOMATIC CONTROL

Periodicals. Stan. i instr. 34 no. 8:42-43 Ag '63.

BIBLIOGRAPHY—AUTOMATION

From foreign periodicals. Mekh. i avtom. proizv. 17 no. 8:63-64, 3 of cover Ag '63.

From foreign periodicals, February 1963. Mekh. i avtom. proizv. 17 no. 2:63-64 S '63.

From Soviet periodicals. Mekh. i avtom. proizv. 17 no. 8:60-63 Ag '63.

From Soviet periodicals, August 1963. Mekh. i avtom. proizv. 17 no. 9:61-62 S '63.

New books. Mekh. i avtom. proizv. 17 no. 8:57-60 Ag '63.

New books. Vest. mashinostr. 43 no. 9:90-93 S '63.

Review of foreign periodicals. Vest. mashinostr. 43 no. 9:93-96 S '63.

BIBLIOGRAPHY—AZERBAIJAN

Azerbaijan. Ministerstvo vnutrennikh del. Arkhivnoe upravlenie. [Central State Historical Archives of the Azerbaijan SSR; a guide] TSentral'nyi gosudarstvennyi istoricheskii arkhiv Azerbaidzhanskoi SSR, putevoditel'. Pod red. M. I. Naidel'. Baku, Ob"edinennoe izd-vo, 1958. 188 *p.* (NJP)

BIBLIOGRAPHY—BALKAR LITERATURE

Kirghiz S.S.R. Ministerstvo kul'tury. [Bibliography of the literature in the Dungan, Karachaevo-Balkar, and Chechen-Ingush languages published in Kirghizistan from 1930 to 1960] Ukazatel' literatury na dunganskom, karachaevo-balkarskom in chechenо-ingushskom iazykakh, izdannoi v Kirgizii (1930-1960 gg.) Frunze, Gos knizhnaia palata, 1962. 14 p.

[MICROFILM]

BIBLIOGRAPHY—BIOCHEMISTRY

Survey of the quantity and distribution of biochemical literature. E. Schwartz, E. Powers. [Abridged translation from the English] NTI no. 8:30-35 '63.

BIBLIOGRAPHY—BIOLOGY

[Information bulletin of new foreign books, received by the Lenin Library. Series 2: Biological, medical, and agricultural sciences] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2: Biol., med. i sel'khoz. nauki. 6 nos. 28-29 O '63.

[New foreign books. Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V: Biol., med., sel'. khoz. 7 nos. 9-10 S-O '63.

BIBLIOGRAPHY—BOILERS

List of periodical articles on boilers. Teploenergetika 10 no. 9:94-96 S '63.

BIBLIOGRAPHY—BUILDING

Kinds of publications of scientific and technological information on building and architecture and a list of organizations having the right to publish them in 1963. NTI no. 4:11-12 '63.

BIBLIOGRAPHY—CARTOGRAPHY

Bibliography. Geod. i kart. no. 9:76-80 S '63.

Concerning N. S. Karpov's book "Bibliographic index to cartographic literature issued in the U. S. S. R. between 1938 and 1958." S. E. Fel'. Geod. i kart. no. 9:69-70 S '63.

BIBLIOGRAPHY—CAVES

Karst and caves in the Southern Urals; annotated bibliographical index of the Russian literature, 1918-1960. V. A. Zverev. Nov. kar. i spel. no. 3:87-94 '63.

BIBLIOGRAPHY—CHECHEN LITERATURE

Kirghiz S.S.R. Ministerstvo kul'tury. [Bibliography of the literature in the Dungan, Karachaevo-Balkar, and Chechen-Ingush languages published in Kirghizistan from 1930 to 1960] Ukazatel' literatury na dunganskom, karachaevo-balkarskom in chechenо-ingushskom iazykakh, izdannoi v Kirgizii (1930-1960 gg.) Frunze, Gos knizhnaia palata, 1962. 14 p.

[MICROFILM]

BIBLIOGRAPHY—CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES

Bibliography. Khim. mashinostr. no. 5:46-49 S-O '63.

BIBLIOGRAPHY—CHEMISTRY

[Chemistry, classed index of articles in foreign periodicals] Khim., sist. uk. st. v inostr. zhur. no. 8 '63.

What students use in studying the history of chemistry. Iu. S. Musabekov. Vest. vys. shkoly 21 no. 9:94-96 S '63.

BIBLIOGRAPHY—CHILDREN'S LITERATURE

Bibliography of children's literature from 1901-1917; an outline history of Russian bibliography in the 20th century. M. V. Mashkova. Trudy [Len.] publ. bibl. 11:7-62 '63.

Vinokhodov, V. I. [Crimean writers write for children; a bibliography] Pisateli Kryma — detiam; bibliograficheskii ukazatel' literatury. Simferopol', Krymizdat, 1962. 47 p. (NIC)

BIBLIOGRAPHY—CHILDREN'S LITERATURE, UKRAINIAN

Five million books for young readers. Hryhorii Kulinych. Ukraina no. 21:9 S '63.

BIBLIOGRAPHY—COMMUNIST ETHICS

Get acquainted with these books on the moral code of the builders of communism. Rad. shk. 12 no. 9:105-107 S '63.

BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION

Moscow. Gosudarstvennaia publichnaia istoricheskaia biblioteka. [Communist Party of the Soviet Union as the mind, honor and conscience of our epoch; a brief bibliography] Kommunisticheskaia partiia Sovetskogo Soiuza - um, chest' i sovest' nashei epokhi; kratkii ukazatel' literatury. V pomoshch' propagandistu Moskva, Izd-vo Vses. knizhnoi palaty, 1963. 38 p.

New books on the history of the CPSU. Komm. Mold. 8 no. 3:75-77 Mr '63.

Russia (1923- U.S.S.R.) Upravlenie prepodavaniia obshchestvennykh nauk. [Topics for tests on the history of the CPSU for special secondary correspondence schools in the U.S.S.R.] Tematika kontrol'nykh rabot po istorii KPSS dlia zaochnykh srednikh spetsial'nykh uchebnykh zavedenii SSSR. Moskva, Gospolitizdat, 1962. 19 p.

Twenty-second Congress of the Communist Party of the Soviet Union. Kal. znam. i pam. dat. 8 no. 10:4-11 O '63.

BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Recent publications. Part. zhizn' no. 20:77 O '63.

BIBLIOGRAPHY—COMMUNIST YOUTH LEAGUE

Birthday of the Communist Youth League. Kal. znam. i pam. dat. 8 no. 10:53-59 O '63.

BIBLIOGRAPHY—CONGRESSES AND CONVENTIONS

Akademiia nauk SSSR. Biblioteka. [Transactions and materials of scientific congresses and conferences published in foreign countries during 1961, an index] Trudy i materialy nauchnykh kongressov i soveshchanii, opublikovannye za rubezhom v 1961 godu ukazatel' Leningrad, Izd-vo Akad. nauk SSSR, 1963. 108 p.

BIBLIOGRAPHY—CONSTRUCTION INDUSTRY

Vladivostok. Dal'nevostochnyi nauchno-issledovatel'skii institut po stroitel'stvu. [Catalog of publications of the Far Eastern Scientific Research Institute for Construction] Katalog izdanii .. Vladivostok, 1960. 8 p.

BIBLIOGRAPHY—COOPERATIVE SOCIETIES

New books by the Publishing House of the Central Union of the Consumers' Cooperatives. Koop. Kazakh. 6 no. 3:61 Je '63.

BIBLIOGRAPHY—CORDAGE

Bibliographic index of literature on the spinning of bast fibers and the manufacture of cordage published from 1958 to 1960. M. E. Gorina, P. V. Koroleva, S. M. Prokhorova. Nauch.-issl. trudy PSNIII V. 17:162-174 '62.

BIBLIOGRAPHY—COURTS

We need more books on the work of people's assessors. I. IAkimina. Sov. iust. no. 17:21 S '63.

BIBLIOGRAPHY—DIDEROT, DENIS, 1713-1784

Denis Diderot. Kal. znam. i pam. dat. 8 no. 10:25-29 O '63.

BIBLIOGRAPHY—DNIEPER HYDROELECTRIC POWER STATION

Brief bibliographical review of literature devoted to the V. I. Lenin Hydroelectric Power Station on the Dnieper as a first step toward the industrialization of our country. E. B. Kartsovnyk. Ukr. ist. zhur. 7 no. 11:131-133 N-Ag '63.

BIBLIOGRAPHY—DUNGAN LITERATURE

Kirghiz S.S.R. Ministerstvo kul'tury. [Bibliography of the literature in the Dungan, Karachaevo-Balkar, and Chechen-Ingush languages published in Kirghizistan from 1930 to 1960] Ukazatel' literatury na dunganskom, karachaevo-balkarskom in chechenо-ingushskom iazykakh, izdannoi v Kirgizii (1930-1960 gg.) Frunze, Gos knizhnaia palata, 1962. 14 p.

[MICROFILM]

BIBLIOGRAPHY—EARLY PRINTED BOOKS

Old manuscripts and early printed books. B. A. Derkach. Rad. lit. 7 no. 3:139-140 My-Je '63.

BIBLIOGRAPHY—ECONOMICS

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. 6 nos. 9-10 S-O '63.

BIBLIOGRAPHY—EDUCATION

Comments by master workers; survey of pedagogical literature published by the Voronezh Publishing House in 1962. I. I. Prokopiev. Sov. pedag. 27 no. 8:136-139 Ag '63.

Creative work of a pedagogical collective. A. K. Sred. spets. obr. 10 no. 9:44-45 S '63.

New books of the Publishing House of the Academy of Pedagogical Sciences of the R.S.F.S.R. Sov. pedag. 27 no. 8:141-149 Ag '63.

BIBLIOGRAPHY—EDUCATION, PRESCHOO

Aids for preschool teachers. M. Pereder. 21 no. 8:45 Ag '63.

BIBLIOGRAPHY—EGYPTOLOGY

Annotated bibliography of new books and art' field of Egyptology. N. E. Semper. Vest. d no. 1:140-155 '63.

BIBLIOGRAPHY—ELECTRIC ENGINEERING

Dissertations for the degree of candidate of science. A. S. Sergeev. Elektrichestvo n '63.

BIBLIOGRAPHY—ELECTRONIC COMPUTER

Bibliography. Mash. perev. i prikl. ling. no. '59.

BIBLIOGRAPHY—ELECTRONICS

Bibliography. Elektrosviaz' 17 no. 9:77-8 cover S '63.

BIBLIOGRAPHY—ELECTROPLATING

Gavrilova, N. A., comp. [Preparing metal surfaces for electroplating, a bibliographic index] Podgotovka poverkhnosti metallov pod gal'vanicheskie pokrytiia; bibliograficheskii ukazatel'. Pod red. S. IA. Grilikhesa. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962. 36 p.

BIBLIOGRAPHY—FORESTS AND FORESTRY

New publications in 1963. Les. khoz. 16 no. 3:88 Mr '63.

What to read in foreign journals. Les. khoz. 16 no. 8:89, 90-91 Mr '63.

BIBLIOGRAPHY—FOUNDING

New books on founding. Lit. proizv. no. 8:46-3 of cover Ag '63.

BIBLIOGRAPHY—GEOLOGY

Literature on geology received by the library of the Department of Geological and Geographical Sciences of the Academy of Sciences of the U.S.S.R. in June 1963. Izv. AN SSSR, Ser. geol. 28 no. 9:108-118 S '63.

BIBLIOGRAPHY—GEORGIA—ETHNOLOGY

Bibliography of G. S. Chitaia's published works. Mat. po etn. Gruz. no. 12/13:17-36 '63.

BIBLIOGRAPHY—GERMANY, EAST

German Democratic Republic. Kal. znam. i pam. dat. 8 no. 10:30-35 O '63.

BIBLIOGRAPHY—HISTORY

Doctoral dissertations defended in 1962. Vop. ist. 38 no. 9:137-139 S '63.

Foreign reviews of Soviet historical studies. Vop. ist. 38 no. 9:187-188 S '63.

Historical articles in periodicals published in socialist countries. Vop. ist. 38 no. 9:167-168 S '63.

Historical articles in Soviet periodicals. Vop. ist. 38 no. 9:120-133 S '63.

New books. Vop. ist. 38 no. 9:127-129 S '63.

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. 6 nos. 9-10 S-O '63.

BIBLIOGRAPHY—HUMAN ENGINEERING

[Industrial aesthetics; a bibliography of literature published from 1959 to 1962] Tekhnicheskaia estetika; bibliograficheskii ukazatel' 1959-1962 gg. 1 kv. Kiev, Klevskii dom nauchno-tekhnicheskoi propagandy, 1962. 14 p.

BIBLIOGRAPHY—HYDROLOGY

Leningrad. Gosudarstvennyi gidrologicheskii institut. [Bibliography of Soviet literature on continental hydrology, 1951-1955] Ukazatel' sovetskoi literatury po gidrologii sushi, 1951-1955 gg. Leningrad, Gidrometeor. izd-vo, 1962. 339 p. (NN)

Literature on meteorology and hydrology in 1962. Meteor. i gidrol. no. 8:58-62 Ag '63.

Literature on meteorology and hydrology, 1962. Meteor. i gidrol. no. 9:58-61 S '63.

BIBLIOGRAPHY—HYDROLYSIS

New booklets. Gidroliz. i lesokhim. prom. 16 no. 6:23 '63.

BIBLIOGRAPHY—INDUSTRY

New books. Za indus. Riaz. no. 2:72 D '61.

BIBLIOGRAPHY—INSECTS, INJURIOUS AND BENEFICIAL

Bookshelf. Zashch. rast. ot vred. i bol. 8 no. 6:63 S '63.

A series of popular scientific monographs on entomology. V. N. Shchegolev. Zashch. rast. ot vred. i bol. 8 no. 8:62 Ag '63.

BIBLIOGRAPHY—LABOR AND LABORING CLASSES

To the victory of communist labor. Kal. znam. i pam. dat 8 no. 10 12-18 O '64.

BIBLIOGRAPHY—LAW

Brief review of books. Rad. pravo no. 3 153-158 My-Je '63.

Current legal literature of the U. S. S. R., June-July 1959. Sov. gos i pravo no. 10 156-159 O '59.

BIBLIOGRAPHY—LEGUMES—DISEASES AND PESTS

Literature on the protection of pulse crops. R. Kh. Pul'son. Zashch. rast. ot vred. i bol. 8 no. 9:63 S '63.

BIBLIOGRAPHY—LIBRARY SCIENCE

[Library science and bibliography. Ja-Mi '63] Bibliotekoved. i bibl. no. 1 '63.

BIBLIOGRAPHY—LITERATURE

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3. Obshchestv. nauki, khud. lit., isk. 6 nos. 26-29 S-O '63.

[Literature and art of the peoples of the U. S. S. R. and foreign countries] Lit. i isk. nar. SSSR i zarub. stran no. 5 '63.

BIBLIOGRAPHY—MACHINE TRANSLATING

Bibliography. Mash. perev i prikl. ling. no. 2 77-84 '59.

BIBLIOGRAPHY—MACHINERY INDUSTRY

New books. Vest. mashinostr. 43 no. 9 90-93 S '63.

Periodicals. Stan. i instr. 34 no. 8:42-43 Ag '63.

Review of foreign periodicals. Vest. mashinostr. 43 no. 9 93-96 S '63.

BIBLIOGRAPHY—MANUSCRIPTS

Bel'chikov, N. F., IU. K. Begunov, and N. P. Rozhdestvenskii, comps. [Bibliography of descriptive works of Slavic-Russian manuscripts] Spravochnik-ukazatel' pechatnykh opisanii slaviano-russkikh rukopisei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 359 p.

BIBLIOGRAPHY—MEDICINE

[Bibliography of internal diseases] Inform. bibl. Vnutr. bol. nos. 3-4 '63.

[Information bulletin of new foreign books, received by the Lenin Library. Series 2: Biological, medical, and agricultural sciences] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2. Biol., med. i sel'khoz. nauki 6 nos. 28-29 O '63.

New books. Ortop., travm i protez. 24 no. 2:82 F '63.

[New foreign books. Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V: Biol., med., sel'. khoz. 7 nos. 9-10 S-O '63.

BIBLIOGRAPHY—METAL CUTTING

Books to be published by the State Publishing House of Literature on Machinery Manufacture. Stan. i instr. 34 no. 8 43-44 Ag '63.

BIBLIOGRAPHY—METALS

New books. Metalloved. i term. obr. met. no. 10 3 of cover O '63.

BIBLIOGRAPHY—METALS—PATENTS

Bibliography of Soviet patents. D. Myshtavn. Metalloved. i term. obr. met. no. 10:62-64, 3 of cover O '63.

BIBLIOGRAPHY—METEOROLOGY

Literature on meteorology and hydrology in 1962. Meteor. i gidrol. no. 8 58-62 Ag '63.

Literature on meteorology and hydrology, 1962. Meteor. i gidrol. no. 9:58-61 S '63.

BIBLIOGRAPHY—MILITARY ART AND SCIENCE

New books published by the Military Publishing House. Voen. vest. 42 no. 11:123 N '62.

BIBLIOGRAPHY—MINING ENGINEERING

Foreign periodical literature. Gor. zhur. no. 9:80 S '63.

BIBLIOGRAPHY—MOLDAVIA

Kishinev. Gosudarstvennaia publichnaia biblioteka Moldavskoi SSR. [Literature about Moldavia; a comprehensive list of literature for 1957-1961] Literatura o Moldavii, svodnyi ukazatel' literatury za 1957-1961 gg. Kishinev, Partiinoe izd-vo TsK KP Moldavii, 1963. 99 p. [In Russian and Moldavian]

BIBLIOGRAPHY—MOTOR VEHICLES

New books. Avt. transp. 41 no. 5:63-64 My '63.

BIBLIOGRAPHY—MUSIC

[Chronicle of musical literature] Let. muz. lit. no. 3 '63.

BIBLIOGRAPHY—NAVAL ARCHITECTURE

Academy of Sciences edition of A. N. Krylov's works. S. T. Luchininov. Sudostroenie 29 no. 8:70-72 Ag '63.

BIBLIOGRAPHY—NERVOUS SYSTEM

Akademiia nauk SSSR. Institut vysshei nervnoi deiatel'nosti i neirofiziologii. Biblioteka. [Methodology of studying the higher nervous activity of man, bibliographic index of Russian literature from 1900 through 1960] Metodika issledovaniia vysshei nervnoi deiatel'nosti cheloveka, bibliograficheskii ukazatel' otechestvennoi literatury (1900-1960 gg.) Moskva, Izd-vo Akad. nauk SSSR, 1963. 90 p.

BIBLIOGRAPHY—NONWOVEN FABRICS

What to read about nonwoven materials. Tekst. prom. 23 no. 9:93-95 S '63.

BIBLIOGRAPHY—OBRUCHEV, VLADIMIR AFANAS'EVICH, 1863-1956

V. A. Obruchev. Kal. znam. i pam. dat 8 no. 10 36-40 O '63.

BIBLIOGRAPHY—OILS AND FATS

Information bulletins of economic councils. P. K. Popov. Masl.-zhir. prom. 29 no. 8 33-36 Ag '63.

BIBLIOGRAPHY—OL'MINSKII, MIKHAIL STEPANOVICH, 1863-1933

M. S. Ol'minskii. Kal. znam. i pam. dat 8 no. 10 45-48 O '63.

BIBLIOGRAPHY—OPEN AND CLOSED SHELVES

Free access to shelves in foreign libraries, a survey of the literature from 1950 to 1961. P. I. Egorov. Trudy [Len.] publ. bibl. 11:107-147 '63.

BIBLIOGRAPHY—ORE DRESSING

New books on mining. Gor. zhur. no. 9:79 S '63.

BIBLIOGRAPHY—ORIENTAL STUDIES

Brief news and bibliographical notes. V. K. Pig. Vost. no. 15:173-176 '63.

BIBLIOGRAPHY—PAINT MATERIALS

Literature on paint materials and their application. Lakokras. mat. i ikh prim. no. 4 80-84 '63.

BIBLIOGRAPHY—PALEONTOLOGY

Report on published works and those sent to press. O. V. Amitrov. Paleont. zhur. no. 3:137 '63.

BIBLIOGRAPHY—PARASITOLOGY

Native literature on problems of medical parasitology and parasitic diseases in 1962. Med. paraz. i parazit. bol. 32 no. 1:124-123 Ja-F '63.

BIBLIOGRAPHY—PARTICLE BOARD

Moscow. TSentral'naia nauchno-tekhnicheskaia biblioteka lesnoi i bumazhnoi promyshlennosti. [Production of particle boards; bibliographical index of Soviet and foreign literature for 1960-1961] Proizvodstvo drevesnykh plit; bibliograficheskii ukazatel' otechestvennoi i inostrannoi literatury za 1960-1961 gg. Moskva, 1962. 93 p.

BIBLIOGRAPHY—PATENTS

Levkovskaia, I. S., and N. IA. IUvacheva, comps. [Patents] Patentnoe delo. Pod red. V. S. Fedorova. Leningrad, 1963. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia Metodika postanovki nauchno-tekhnicheskoi informatsii i propagandy)

BIBLIOGRAPHY—PEAT INDUSTRY

Bibliography. Torf. prom. 40 no. 6:39-40 '63.

Literature on peat; published in the fourth quarter of 1962. Torf. prom. 40 no. 4:38-40 '63.

BIBLIOGRAPHY—PERIODICALS

To the hearts of millions. P. Pronin. Sov. pech. no. 5: 54-56 My '63.

BIBLIOGRAPHY—PETROLEUM INDUSTRY

Bibliography. Neftianik 8 no. 2:33-34 F '63.

BIBLIOGRAPHY—PHILOSOPHY

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. 6 nos. 9-10 S-O '63.

BIBLIOGRAPHY—PHYSICAL METALLURGY

New books. Metalloved. i term. obr. met. no. 8:3 of cover Ag '63.

New books. Metalloved. i term. obr. met. no. 9:63 S '63.

BIBLIOGRAPHY—PHYSICS

Bibliographic index of papers by workers of the Luminescence Laboratory of the P. N. Lebedev Institute of the Academy of Sciences of the U. S. S. R. for the period 1934-1961. Trudy Fiz. inst. 23:136-163 '63.

Bibliography. Teplofiz. vys. temp. 1 no. 1:158-159 Jl-Ag '63.

BIBLIOGRAPHY—PLANT DISEASES

Bookshelf. Zashch. rast. ot vred. i bol. 8 no. 9:63 S '63.

BIBLIOGRAPHY—PLANTS, PROTECTION OF

Bookshelf. Zashch. rast. ot vred. i bol. 8 no. 4:60, 63 Ap '63.

Bookshelf. Zashch. rast. ot vred. i bol. 8 no. 8:34 Ag '63.

From the pages of foreign journals. Zashch. rast. ot vred. i bol. 8 no. 1:62 Ap '63.

BIBLIOGRAPHY—PLASTICS

Bibliography. Plast. massy no. 6 75-79 '63.

New literature on polymer materials. Plast. massy no. 10 73-79 '63.

BIBLIOGRAPHY—POWER ENGINEERING

Literature on industrial power engineering. Prom. e. i. 18 no. 9 57 S '63.

BIBLIOGRAPHY—RADIOLOGY, MEDICAL

Index of articles published in the periodical "Meditsinskaia Radiologiia" for 1962. Med. rad. 7 no. 12:93 91 D '62.

BIBLIOGRAPHY—RAILROADS

New books. Vest. TSNII MPS 22 no. 6:3 of cover '63.

BIBLIOGRAPHY—RAILROADS—TRACK

New books. Put' i put. khoz. 7 no. 9:40 '63.

BIBLIOGRAPHY—REFRACTORY MATERIALS

Bibliography. Ogneupory 28 no. 9:131-132 '63.

BIBLIOGRAPHY—RUBBER INDUSTRY

Reviews and bibliography. Kauch. i rez. 22 no. 8:4 Ag '63.

BIBLIOGRAPHY—RUSSIA—LITERATURES

Moscow. Publichnaia biblioteka. [Soviet literature, 1962; a recommended reading list] Sovetskaia literatura, 1962, rekomendatel'nyi ukazatel'. Moskva, 1963. 123 p. (Novinki khudozhestvennoi literatury)

BIBLIOGRAPHY—RUSSIA—REVOLUTION, 1917-1921

Literature on the Great October Socialist Revolution. L. Bromberg, F. Kudriavtsev, A. Smirnov. Polit. samoobr. 7 no. 10 130-140 O '63.

BIBLIOGRAPHY—SAWMILLS

New books on sawmilling and woodworking. Der. prom. 12 no. 10 insert 4 O '63.

BIBLIOGRAPHY—SCIENCE

[Information bulletin of new foreign books, received by the Lenin Library. Series 1: Physical, mathematical, chemical, geological, and geographical sciences, technology and technological sciences] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1: fiz.-mat., khim. i geol.-geog. nauki; tekh. i tekh. nauki 6 nos. 28-29 O '63.

Moscow. Vsesoiuznyi institut nauchnoi i tekhnicheskoi informatsii. [Scientific and technological information in the U. S. S. R. and abroad, a bibliographic index to the literature published in 1960 and 1961] Nauchno-tekhnicheskaia informatsiia v SSSR i za rubezhom, bibliograficheskii ukazatel' literatury za 1960-1961 gg. Moskva, 1962. 215 p.

[New foreign books. Series A: Mathematics, mechanics, astronomy, physics, geophysics, chemistry, geology] Nov. knigi za rub. Ser. A: Mat., mekh., astron., fiz., geofiz., khim., geol. 16 nos. 9-10 S-O '63.

BIBLIOGRAPHY—SHEVCHENKO, TARAS, 1814-1861

Akademiia nauk URSR, Kiev. Biblioteka. [T. H. Shevchenko; a bibliography of the literature about his life and works, 1839-1959] T. H. Shevchenko; bibliografiia literatury pro zhyttia i tvorchist', 1839-1959. Skhaly I. Z. Bolko ta inshi. Kyiv, Vyd-vo Akad. nauk URSR.
Vol. 1. 1839-1916. 1963. 421 p.
Vol. 2. 1917-1959. 1963. 601 p.

Bibliography of Shevchenko bibliographies. I. IA. Aizenshtok. Rad. lit. 7 no. 3:142-147 My-Je '63.

"Bibliography of the literature on T. H. Shevchenko's life and work." M. L. Mandryka. Rad. lit. 7 no. 3 153-156 My-Je '63.

BIBLIOGRAPHY—SHIPBUILDING

Bibliography. Sudostroenie 29 no. 8:35, 45, 51, 60, 64 Ag '63.

BIBLIOGRAPHY—SOCIAL SCIENCES

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3: Obshchestv. nauki, khud. lit., isk. 6 nos. 26-29 S-O '63.

BIBLIOGRAPHY—SOILS

Bibliography. Pochvovedenie no. 9:113-126 Agfi. e. S) '63.

BIBLIOGRAPHY—SPINNING

Bibliographic index of literature on the spinning of bast fibers and the manufacture of cordage published from 1958 to 1960. M. I. Gorina, L. V. Koroleva, S. M. Prokhorova. Nauch.-issl. trudy TSNIILV 17:162-174 '62.

BIBLIOGRAPHY—STANDARDIZATION

From technical periodicals. M. A. Palei. Standartizatsiia 27 no. 9:56-57 S '63.

BIBLIOGRAPHY—SURGERY
[Bibliography of surgery] Inform. bibl. Khir. no. 2 '61.

BIBLIOGRAPHY—SURVEYING
Bibliography. Geod. i kart. no. 9:76-80 S '63.

BIBLIOGRAPHY—TECHNOLOGICAL INNOVATIONS
From foreign periodicals. Mekh. i avtom. proizv. 17 no. 8:63-64, 3 of cover Ag '63.
From foreign periodicals, February 1963 Mekh. i avtom. proizv. 17 no. 9:63-64 S '63.
From Soviet periodicals. Mekh. i avtom. proizv. 17 no. 8:60-63 Ag '63.
From Soviet periodicals, August 1963 Mekh. i avtom. proizv. 17 no. 9:61-62 S '63.
New books. Mekh. i avtom. proizv. 17 no. 8:57-60 Ag '63.

BIBLIOGRAPHY—TECHNOLOGY
[Information bulletin of new foreign books, received by the Lenin Library. Series 1, Physical, mathematical, chemical, geological, and geographical sciences, technology and technological sciences] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1: Fiz.-mat., khim. i geol.-geog. nauki; tekh. i tekh. nauki 8 nos. 28-29 O '63.
Moscow. Gosudarstvennaia publichnaia nauchno-tekhnicheskaia biblioteka SSSR. [Use of current informational bibliography in technical libraries] Ispol'zovanie tekushchei informatsionnoi bibliografii v tekhnicheskikh bibliotekakh, metodicheskoe posobie, Moskva, 1963. 39 p. (V pomoshch' rabotnikam tekhnicheskikh bibliotek)
Moscow. Vsesoiuznyi institut nauchnoi i tekhnicheskoi informatsii. [Scientific and technological information in the U.S.S.R. and abroad; a bibliographic index to the literature published in 1960 and 1961] Nauchno-tekhnicheskaia informatsiia v SSSR i za rubezhom, bibliograficheskii ukazatel' literatury za 1960-1961 gg. Moskva, 1962 215 p.
[New foreign books. Series B: Technology] Nov. knigi za rub. Ser. B: Tekh. 7 nos. 9-10 S-O '63.

BIBLIOGRAPHY—TEXTILE FIBERS, SYNTHETIC
Abstracts, articles, and books. Khim. volok. no. 5:72-78 '63.

BIBLIOGRAPHY—TRANSLATIONS
Akademiia nauk SSSR. Institut narodov Azii. [Literature of the non-Soviet East, a bibliography of translations into the languages of the peoples of the U.S.S.R., 1918-1960] Khudozhestvennaia literatura Zarubezhnogo Vostoka, bibliografiia perevodov na iazyki narodov SSSR (1918 - 1960). Moskva, Izd-vo vostochnoi lit-ry, 1963. 123 p.

BIBLIOGRAPHY—TRANSPORTATION, AUTOMOTIVE
New books. Avt. transp. 41 no. 9:63 S '63.

BIBLIOGRAPHY—TURKMENISTAN—REVOLUTION OF 1905
Bibliography. Trudy IML. Turk. fil. no. 2:123-124 '56.

BIBLIOGRAPHY—UKRAINE
Kornelchyk, I. I. [Development of bibliography in the Ukraine; lectures for correspondence students] Rozvytok bibliografii na Ukraini; lektsii dlia studentiv-zaochnykiv. Kharkiv, Kharkivs'kyi derzh. bibliotechnyi in-t.
Vols. 1-2. 1961.
(MH)

BIBLIOGRAPHY—UKRAINIAN LITERATURE
To be published for Ukrainian booklovers. Oleksandr Diachenko. Ukraina no. 22:7 S '63.

BIBLIOGRAPHY—UKRAINIAN LITERATURE—HISTORY AND CRITICISM
Books on the history of Ukrainian literature published in 1962 L. V. Bieliaieva. Rad. lit. 7 no. 3:147-150 My-Je '63.

BIBLIOGRAPHY—UZBEKISTAN—PUBLIC HEALTH
Uzbek S.S.R. Ministerstvo zdravookhraneniia. Gosudarstvennaia nauchno-meditsinskaia biblioteka. [Public health in Soviet Uzbekistan; bibliographic index of literature from 1917 to 1959] Zdravookhranenie Sovetskogo Uzbekistana; bibliograficheskii ukazatel' literatury, 1917-1959. Sost. K. G. Shishova. Tashkent, 1961. 213 p.

BIBLIOGRAPHY—VERDI, GIUSEPPE, 1813-1901
Giuseppe Verdi. Kal. znam. i pam. dat 8 no. 10:41-44 O '63.

BIBLIOGRAPHY—VETERINARY MEDICINE
Book reviews and bibliography. Veterinariia 39 no. 9: 91-94 S '62.
New books on veterinary medicine. Veterinariia 39 no. 11 82 N '62

BIBLIOGRAPHY—VITICULTURE
Scientists' contribution to production. D. Funika. Konim. Mold. 8 no. 3 70-74 Mr '63.

BIBLIOGRAPHY—WELDING
Foreign publications on welding. Svar. proizv. no. 9 47 S '63.
Soviet publications on welding. Svar. proizv. no. 9:45-46 S '63.

BIBLIOGRAPHY—WOODWORKING INDUSTRIES
From the pages of technical and economic bulletins Der. prom. 12 no. 9 insert 2-4 S '63
New books. Der. prom. 12 no. 1, insert 2-4 Ap '63.
New books. Der. prom. 12 no. 6 insert 1 Je '63
New books. Der. prom. 12 no. 9 27 S '63.
New books on sawmilling and woodworking Der. prom. 12 no. 10 insert 1 O '63.

BIBLIOGRAPHY (THEORY, METHODS, ETC.)
[Library science and bibliography, Ja-Mr '63] Bibliotekoved. i bibl. no. 1 '63.
The role of the recommended bibliography in the all-around development of the personality during the large-scale building of communism V. I. Kulikov. Trudy Gos. bibl. SSSR 6 101-119 '62
Rules for bibliographical description. S. P. Luppov, E. A. Kononova. NTI no. 1 10 '63.

BICYCLES AND TRICYCLES see subdivision under Kharkov

BIDULIA, PAVEL NIKOLAEVICH, 1893-
Pavel Nikolaevich Bidulia; his 70th birthday. Lit. proizv. no. 8 18 Ag '63.

BILE DUCTS
Details of the topography of the blood vessels and hepatic ducts in the portal region of the liver [with summary in English] M. D. Anikhanova. Vest. khir. 90 no. 1 59-64 Mr '63

BILE DUCTS—ABNORMITIES AND DEFORMITIES
Some anomalies in extrahepatic bile ducts [in Armenian with summary in Russian] A. O. Minasian. Zhur. eksp. i klin. med. 3 no. 2 89-95 '63

BILE DUCTS—CANCER
Cancer of the bile duct. K. E. Bronnikov. Vest. khir. 90 no. 3 109-110 Mr '63

BILE DUCTS—SURGERY
Furcate drain with two or three branches for hepatic ducts, removable in separate parts. A. V. Bel'skii. Eksper. khir. i anest. no. 1:40-43 '63.

BILETS'KYI, OLEKSANDR IVANOVYCH, 1894-1961
O. I. Biletsky's unknown study on successive periods in the history of Ukrainian literature. Submitted by M. D. Bernshtein. Rad. lit. 7 no. 3 111-134 My-Je '63.

BILIARY TRACT—DISEASES
"Diseases of the biliary tract" by A. IA. Gubergrits. Reviewed by N. T. Starostenko. Vrach. delo no. 7:153-154 Jl '63
Radiometric examination of the function of the thyroid gland in diseases of the liver and bile ducts [with summary in English] B. B. Rodinskii. Med. rad. no. 1 32-36 '63

BILIRUBIN
Functional hyperbilirubinemia. IU. I. Dotsik. Vrach. delo no. 7:138-139 Jl '63.

BINDING MATERIALS
New binding material from pyrolytic resins. A. S. Elenovich, M. A. Fabrikant. Avt. dor. 26 no. 9 18-19 S '63.
Obtaining plastic and binding materials from fossil coals. E. M. Talts, T. M. Bronovets, I. A. Andreeva. Khim. i tekh. topl. i masel 8 no. 2:24-27 F '63.
On pseudoforms of hydration of binders observed by the electron microscope [with summary in English]. M. I. Strelkov, Z. P. Chumak. Dop. AN URSR no. 8:1076-1080 '63.

BIOCHEMISTRY
Biochemical approaches to the chemotherapy of cancer. A. K. Belousova. Zhur. VKHO 8 no. 4 413-42
Some aspects of the biochemical study of malignant tumors. V. S. Shapot. Zhur. VKHO 8 no. 4 3
'63.

BIOCHEMISTRY—ABSTRACTS
[Biochemistry] Ref. zhur.: Biol. khim. no.

BIOCHEMISTRY—BIBLIOGRAPHY see Bibliography—Biochemistry

BIOLOGICAL RESEARCH
Moscow, Zvenigorod, and everywhere else. Midontov, N. Isaeva. Smena 40 no. 16 2
Resolutions of the June Plenum as a founda successful education of youth and scientific ment. Vest. Mosk. un. Ser. 6: Biol., pochv 3-5 S-O '63.
Toward new achievements in biological sci sel'khoz. nauki 8 no. 3,3-7 Mr '63

BIOLOGICAL SOCIETIES
Vsesoiuznoe nauchnoe obshchestvo anatomov embriologov. [Statute of the All-Union Sci Society of Anatomists, Histologists and Em Ustav. Moskva, 1959. 9 p.
[MICROF

BIOLOGICAL WARFARE
Bezdenezhnykh, I. S., and E. S. Tyrkova. [Protection of the population from bacteriological weapons] Zashchita naseleniia ot bakteriologicheskogo oruzhiia. Moskva, Izd-vo DOSAAF, 1963. 46 p. (Naseleniiu o grazhdanskoi oborone)

BIOLOGY
Brief news. Biul. MOIP, Otd. biol. 68 no. 4:152-158 Jl-Ag '63
Brief news. Biul. MOIP, Otd. biol. 68 no. 5:117-140 S-O '63.
Karuzina, I. P. [Textbook of biology] Uchebnik biologii. Moskva, Medgiz, 1963. 331 p.
Khushchev, G. K. [Achievements of Soviet biological science] Dostizhenia sovetskoi biologicheskoi nauki. Moskva, Goskul'tprosvetizdat, 1954. 91 p. (Bibliotechka v pomoshch' lektoru, no. 19)

BIOLOGY—ABSTRACTS
[Biology] Ref. zhur.: Biol. nos. 20-21 O '63.

BIOLOGY—BIBLIOGRAPHY see Bibliography—Biology

BIOLOGY—PERIODICITY
Emme, A. M. [The clock of living nature] Chasy zhivoi prirody. Moskva, Izd-vo "Sovetskaia Rossiia," 1962 149 p.

BIOLOGY—PHILOSOPHY
Dialectics of the necessity and chance and the problem of planned heredity of organisms G. V. Platonov Biol. v shkole no. 3 73-79 My-Je '63.
Structure and functions of living matter at molecular level. R. S. Karpinskaia. Vop. filos. 17 no. 8:101-111 '63.
Vedenov, M. F. [Ernst Haeckel's struggle for materialism in biology] Bor'ba E. Gekkelia za materializm v biologii. Moskva, Izd-vo Akad. nauk SSSR, 1963 222 p.

BIOLOGY—STUDY AND TEACHING
Educational significance of a general biology course. M. I. Mel'nikov. Biol. v shkole no. 3 6-10 My-Je '63
First lessons in general biology. A. N. Miagkova. Biol. v shkole no. 3 16-20 My-Je '63.
Let's improve the present system of biological education P. I. Borovitskii. Biol. v shkole no. 3:28-32 My-Je '63.
Let's inculcate communist consciousness in students. Biol. v shkole no. 3:3-5 My-Je '63
Let's review the structure and contents of school subjects in biology. L. E. Loginova. Biol. v shkole no. 3:35 My-Je '63.
Schools need one consolidated course in general biology. L. I. Gel'fenbein, G. L. Shkorbatov. Biol. v shkole no. 3:32-34 My-Je '63.

BIOMETRY
Merkur'eva, E. K. [Principles of biometry] Osnovy biometrii; uchebnoe posobie dlia biologicheskikh fakul'tetov gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. univ. 1963. 236 p.

BIONICS
Nature's suggestions to engineers. V. Kovaleva'kyi. Nauka i zhyttia 13 no. 7:10-11 Jl '63
Random walks when the brain functions as a television set. V. Svetlova. Nauka i zhyttia 13 no. 7:6-9 Jl '63.

BIOPHYSICS—RESEARCH
"Worldwide sympathy." A. L. Chizhevskii. Nauka i zhizn' 30 no. 5:82-85 My '63.

BIOSYNTHESIS
Capacity of uridinediphosphoglucose analogs to take part in the biosynthesis of saccharose. N. D. Gabrielian, M. A. Novikova, G. L. Zhdanov. Dokl. AN SSSR 151 no. 6:1453-1455 Ag '63.

BIRDS

Akademiia nauk SSSR. Institut geografii. [Organization and methods for censusing birds and injurious rodents] Organizatsiia i metody ucheta ptits i vrednykh gryzunov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 255 p.

BIRDS—BEHAVIOR

Bu[illegible] Poedinatsev. S lin[illegible] [nauka i zhizn'] 30 no. 2 [illegible] My-Je '63.

BIRDS, INJURIOUS AND BENEFICIAL

Attracting useful birds. V. G. Barkov. Bot. i shkole no. 3 [illegible] My-Je '63.

Protecting parcels, stock of spruce and pine against birds. I. M. Rozlozha, I. V. Shutov. Les. khoz., 16 no. 7 [illegible] Jl '63.

BIRDS AS CARRIERS OF DISEASES see subdivision under Krasnoyarsk Territory

BIRDSONG—RECORDING AND REPRODUCING

With a tape recorder in the woods. A. S. Malchevskii. Nauka i zhizn' 31 no. 5 [illegible] My '63.

BIRIUKOV, VLADIMIR PAVLOVICH, 1888-

Puro, D. L. [Vladimir Pavlovich Biriukov, Ural regionalist and writer] Ural'skii kraeved i pisatel' Vladimir Pavlovich Biriukov. Shadrinsk [Shadrinskii gos. pedagog. in-t] 1958. 65 p. (Mil)

BIROBIDZHAN DISTRICT—SOVIETS

Chairman of the Razdol'noye Soviet is a remarkable man. S. Iablonovskii. Sov. deput. trud. no. 9 60 S '63.

BIRTH INJURIES

Lesions of the pyramidal tract in nursing infants as a result of a birth injury. M. I. Deshcheulina, N. N. Il'iash. Pediatriia 42 no. 1:79-81 Ja '64.

BISCUITS

New varieties of biscuits. A. A. Skopin. Khleb i kond. prom. 7 no. 6 32-33 Je '63.

BISERT' REGION—LUMBER—TRANSPORTATION

Economic possibilities of the use of tractor loaders. N. I. Rozhin, V. A. Pul'kherovskii. Les. prom. 40 no. 9 23-24 S '64.

BISMUTH ANTIMONY ALLOYS—ELECTRIC PROPERTIES

Electric properties of bismuth-antimony alloys. G. A. Ivanov, V. M. Popov. Fiz. tver. tela 5 no. 9:2409-2419 S '63.

BISMUTH COMPOUNDS

Effect of alkali metal cations on the formation of chloride complexes of bismuth. V. E. Mironov and others. Zhur. neorg. khim. 8 no. 10 2318-2322 O '63.

Stability of chloride complexes of lead, bismuth, and cadmium. V. E. Mironov, V. A. Fedorov, V. A. Nazarov. Zhur. neorg. khim. 8 no. 9 2109-2112 S '63.

BISMUTH CRYSTALS—DEFECTS

Kinetics of the propagation of cracks in bismuth single crystals. V. M. Finkel' and others. Kristallografiia 8 no. 5 753-757 S-O '63.

BISMUTH OXIDE—ELECTRIC PROPERTIES

Electric conductivity and thermo-e.m.f. of Bi_2O_3 in the solid and liquid states. T. S. Zolian, A. R. Regel'. Fiz. tver. tela 5 no. 9:2420-2427 S '63.

BISMUTH SULFIDE

Vapor pressure and the dissociation of copper and bismuth sulfides. R. V. Isakova, V. N. Nesterov, A. S. Shendrapin. Trudy Inst. met. i obog. AN Kazakh SSR 6 156-159 '63.

BISMUTITE see subdivision under Ankavan region

BITUMEN

Physicochemical properties of oxidized bitumens from South Uzbekistan oil. P. P. Dmitriev, D. Mat'iakubov. Uzb. khim. zhur. 7 no. 4 74-78 '63.

BITUMINOUS MATERIALS

Natural bituminous sands in road construction. O. Birilov. Avt. dor. 26 no. 9 19 S '63.

BITUMINOUS MATERIALS—THERMAL PROPERTIES

Effect of properties of asphalthenes and malthenes on thermal characteristics of compounded bitumens. V. N. Panashin. Neftepererab. i neftekhim. no. 1:27-30 '63.

BITUMINOUS MATERIALS—TRANSPORTATION

Loading and unloading of asphalt and bitumen by grab cranes. I. Kilianov, F. Leiner, L. Zhalecv. Mor. flot 23 no. 10 14-16 O '63.

BITUMINOUS PAVEMENTS see Pavements, Bituminous

BLACK FLIES—EXTERMINATION see subdivision under Bratsk Hydroelectric Power Station region

BLACK SEA—DIATOMS

New diatoms from the benthos of the Black Sea. A. I. Proshkina-Lavrenko. Bot. mat. Otd. spor. rast. 16: 45-49 '63.

Proshkina-Lavrenko, A. I. [Diatom algae of the benthos of the Black Sea] Diatomovye vodorosli bentosa Chernogo moria. Moskva, Izd-vo Akad. nauk SSSR, 1963. 243 p.

BLACK SEA—PRECIPITATION (METEOROLOGY)

Atmospheric precipitation over the Black Sea [with summary in English]. E. V. Solntsikin. Trudy Inst. okean. 57 30-46 '62.

BLACK SEA ECONOMIC REGION—MACHINERY—DESIGN AND CONSTRUCTION

Establishing norms for the number of designers. I. Shchiklin. Sots. trud. 8 no. 7 113-119 Jl '63.

BLACK SEA REGION—ATMOSPHERIC PRESSURE

Typical pressure fields over the Black Sea Basin [with summary in English]. N. P. Fgorenko. Trudy Inst. okean. 57:81-92 '62.

BLACK SEA REGION—CLASSICAL ANTIQUITIES

Grach, N. L., and V. M. Skudnova. [The ancient Greeks in the southern part of our country, for school-age children] Drevnie greki na IUge nashei strany, dlia detei srednego vozrasta. Leningrad, Izd-vo Gos. Ermitazha, 1963. 86 p. (Puteshestviia v proshloe po zalam Ermitazha)

BLACK SEA REGION—DESCRIPTION AND TRAVEL

Efremov, IU. K. [Along the paths of the Black Sea mountains] Tropami gornogo Chernomor'ia. Moskva, Geografgiz, 1963. 403 p.

BLACK SEA REGION—GEOLOGY, STRUCTURAL

Structure of the Gatauta shelf based on reconnaissance seismic investigations. IU. P. Neprochnov, V. N. Moskalenko. Geol. nefti i gaza 7 no. 8 51-54 Ag '63.

BLACK SEA REGION—GREENHOUSE MANAGEMENT

Without additional expenditures. N. M. Sokolov. Zashch. rast. ot vred. i bol. 8 no. 9:11-13 S '63.

BLACK SEA REGION—NEMATODE DISEASES OF PLANTS

Without additional expenditures. N. M. Sokolov. Zashch. rast. ot vred. i bol. 8 no. 9:11-13 S '63.

BLACK SEA REGION—TREES

Valuable fast-growing species on the Black Sea coast. O. T. Istratova. Les. khoz. 16 no. 3:25-28 Mr '63.

BLADDER—DISPLACEMENT

Clinical roentgenological observations in extrophy of the urinary bladder in children [with summary in English]. A. I. Gingol'd, T. V. Zhuravleva. Vest. rent. i rad. 38 no. 1 43-46 Ja-F '63.

BLADDER—RADIOGRAPHY

Clinical roentgenological observations in extrophy of the urinary bladder in children [with summary in English]. A. I. Gingol'd, T. V. Zhuravleva. Vest. rent. i rad. 38 no. 1 43-46 Ja-F '63.

BLADDER—SURGERY

Odenov, B. S. [Clinical basis for transperitoneal lithotomy] Klinicheskoe obosnovanie chrezbriushinnogo kamnesecheniia. 2 izd., dop. i pererab. Moskva, Medgiz, 1963. 69 p. (DNLM)

Rostov-on-Don. Gosudarstvennyi meditsinskii institut. [Transvesical adenomectomy with a buried suture on the bladder] Chrezpuzyrnaia adenomektomiia s glukhim shvom mochevogo puzyr'ia. Rostov-na-Donu, 1963. 124 p. (DNLM)

BLADDER—TUMORS

Differential diagnosis of tumors of the urinary bladder [with summary in English]. V. M. Perel'man. Vest. rent. i rad. 38 no. 1 40-43 Ja-F '63.

BLAST FURNACES

(see also subdivision under Dnieper Economic region)

Mastering the operation of high-capacity blast furnaces. L. IA. Levin and others. Stal' 23 no. 9 773-776 S '63.

Mineral formation processes in blast furnaces [with summary in English]. L. I. Karlakin. Min. sbor. no. 16: 359-372 '62.

The work of anchor fastenings of hot-blast stoves of blast furnaces. S. D. Tiulenev, A. Z. Epshtein. Prom. stroi. 40 [i. e. 41] no. 6 31-33 Je '63.

BLAST FURNACES—DESIGN AND CONSTRUCTION

(see also subdivision under Krivoy Rog)

Effect of the shape of a blast furnace working area on the distribution of the gas flow. V. I. Kholzakov and others. Metallurg 8 no. 8:8-9 Ag '63.

BLAST FURNACES—EQUIPMENT AND SUPPLIES

(see also subdivision under Yenakiyevo)

Adjustment of the DV-1 moisture indicator. N. D. [Artsev. Stal' 23 no. 9 787 S '63.

Basic conditions for the reliable and troubleproof performance of indicators of moisture in the blast furnace blow. I. E. Naumenko. Stal' 23 no. 9 785-786 S '63.

Causes of the pulsation in blast furnaces. [illegible] M. V. [Akhonov, I. V. Goropev, A. D. [illegible] 23 no. 9 778-781 S '63.

Command and executive device for automatic [illegible] a charge distributor depending on the [illegible] along the charge hole cross section of [illegible] O. N. Balychev and others. Sbor. trud. [illegible] no. 10 24-27 '63.

Device for an automatic selection of an optimum [illegible] sible deviation of the temperature of charge [illegible] cumference from its mean temperature. [illegible] E. I. Zhilko, I. P. Shibaev. Sbor. trud. [illegible] 28-32 '63.

Improvement of blast furnace top fitting. [illegible] I. I. Petrov, A. I. Soskov. Metallurg [illegible] '63.

Making efforts to avoid losses of coal dust. [illegible] matnykh. Metallurg 8 no. 9 [illegible]

Studying the distribution of materials before [illegible] high-capacity blast furnaces at the Cherepovets [illegible] lurgical plant. A. B. Shur, I. A. Bialyi [illegible] no. 8,486-190 Je '63.

Using television in the pouring of pig iron. [illegible] tanov. Stal' 23 no. 6,574-575 Je '63.

BLAST FURNACES—MAINTENANCE AND REPAIR

Mechanism of the disintegration of the [illegible] blast furnace hearths and hearth bottoms. [illegible] man, A. V. Gorokh. Ogneupory 28 no. [illegible]

BLASTING

(see also subdivision under Canada)

Adamidze, D. I. [Blasting operations by compression [illegible] under high pressure] Vzryvnye raboty [illegible] khom vysokogo davleniia. Moskva, Gosgortekhizdat, 1963. 107 p.

Akademiia stroitel'stva i arkhitektury SSSR. Institut stroitel'stva, Rostov-on-Don. [Ways of [illegible] drilling in crosscutting] Puti sovershenstvovaniia [illegible] prokhodke gornykh vyrabotok. Rostov-na-Donu, [illegible] 27 p. [MIC RefLit '64]

Blasting in road construction. N. V. Lido. A[illegible] 26 no. 9:17 S '63.

Effect of the construction of the working face [illegible] seismic action of a blast. O. A. Baikonurova, I[illegible] braev, L. V. Vinokurov. Izv. vys. ucheb. zav[illegible] zhur. 6 no. 3:22-26 '63.

Kazakov, A. T. [Methods and equipment for [illegible] operations in seismic prospecting] Metodika i [illegible] vzryvnykh rabot pri seismorazvedke. Izd. 2[illegible] dop. Moskva, Gostoptekhizdat, 1963. 287 p.

Moscow. TSentral'nyi institut informatsii [illegible] metallurgii. [Breaking ore with slim holes [illegible] rudy shpurami malogo diametra. Moskva, [illegible] (Gornodobyvaiushchaia promyshlennost')

Nature of the breaking down of a rock mass[illegible] of a cylindrical field of stresses in blasting [illegible] cheriavyi. Izv. vys. ucheb. zav., gor. zhur. [illegible] 63 '63.

Titarenko, P. IA., and others. [New developments [illegible] boring and blasting operations in asbestos open-pit mines] Novoe v burovzryvnykh rabotakh na [illegible] kar'erakh. Moskva, Gosgortekhizdat, 1963. [illegible]

Using continuous equipment in rock blasting. [illegible] sandrov, A. F. Azmukovich, N. N. Ipatiev. [illegible] no. 9, 30-32 S '63.

BLASTING—SAFETY MEASURES

Use of nonshearing explosives in combined [illegible] containing in a mine where there is a gas and [illegible] hazard. M. D. Kalinina, I. A. Semenov, V. F. [illegible] Shakht. stroi. 7 no. 7:9-10 Jl '63.

BLASTING, SUBMARINE

Underwater breaking of rocky bottoms by explosive charges. A. Stankeev. Rech. transp. 22 no. [illegible] S '63.

BLASTOCLADIA see subdivision under Klos Pravi

BLAUMANIS, RUDOLFS, 1863-1908—HOMES AND HAUNTS

[Rudolfs Blaumanis' places of residence and work] Rudolfa Blaumana dzives un darba vietas. Rigā, Latvijas valsts izdevniecība, 1962. 106 p. illus. [Text in Latvian]

BLEACHING

Bleaching of cotton yarn and yarn products with [illegible] chloride. V. M. Bel'tsov and others. Tekstil'[illegible] no. 9:70-73 S '63.

BLEACHING—EQUIPMENT AND SUPPLIES

Development of formulas for the lining of the [illegible] chlorine dioxide bleaching of pulp. Report no. [illegible] Impermeable lacquer-paint base coating. [illegible] gor'kov and others. Trudy LTI TSBP no. 11:[illegible]

BLEACHING MATERIALS

Paste for discoloring dyes on the skin. M. I. [illegible] S. M. Melnik, M. S. Kogan. Vest. dermat. i ven. [illegible] no. 2:85-86 F '63.

BLIUKHER, VASILII KONSTANTINOVICH, 1889-1938

First recipient of the Order of the Red Banner. [illegible] shenkin. Nauka i zhizn' 30 no. 9 16-18 S '63.

BLOCH, JEAN RICHARD, 1884-1947

Early stories of Jean Richard Bloch, 1910-1912. A, T. Kirsanov. Uch. zap. Perm. gos. un. 23 no. 2 148-165 '62.

BLOOD—AGGLUTINATION

Use of the hemagglutination inhibition reaction for the study of the immunogenic characteristics of formalized vaccines against tick-borne encephalitis. D. K. L'vov, V. A. Zakhinskaia. Vop. virus. 8 no. 3 360-361 My-Je '63.

BLOOD—ANALYSIS AND CHEMISTRY

(see also subdivision under Alakul' District)

Effect of intravenous injections of sodium hyposulfite solutions on the morphological blood composition in horses. A. I. Darchiashvili. Sbor. trud. Giuz zootekh.-vet. nauch.-issl. inst. 32 137-145 '61.

Juxtaposition of the chemical and electrophoretic methods of determining the albumin-globulin coefficient. IU. A. Khavkin, V. A. Vasil'ev. Trudy TashNIIVS 5 167-174 '62.

BLOOD—CIRCULATION

Characteristics of disorders in the contractile capacity of the heart in experimental myocardiac infarction [with summary in English]. M. M. Povzhitkov. Vrach. delo no. 9 45-49 S '63.

Dynamics of the development of collateral blood circulation in thrombosis of the femoral artery. I. P. Novikov. Eksper. khir. i anest. no. 1:24-27 '63.

Methods of improving the collateral blood circulation in resections of arterial trunks and obliterating endarteritis. N. A. Khlopov. Zdrav. Kazakh. 23 no. 2:61-62 '63.

BLOOD—CIRCULATION, ARTIFICIAL

Hypoxic bradycardia of the heart in artificial blood circulation, an experimental and clinical examination. A. I. Mikaelian, V. V. Semerdzhian. Zhur. eksp. i klin. med. 3 no. 2:25-31 '63.

Method of excluding the left ventricle of the heart for thoracic aorta surgery [with summary in English]. IU. E. Berezov and others. Grud. khir. 4 no. 6 25-29 N-D '62.

BLOOD—COAGULATION

Characteristics of blood coagulation system disorders in chronic (occupational) X-ray exposure [with summary in English]. V. I. Shevchenko. Med. rad. 7 no. 12:49-55 D '62.

Practical significance of the Weltmann test in atherosclerosis. A. G. Tsergulov, V. F. Bogolavlenskii. Terap. arkh. 35 no. 2:77-82 F '63.

Reaction of thermal coagulation of the blood plasma as a method of early diagnosis of cancerous and precancerous diseases. IA. P. Obel'nitskii. Zhur. VKHO 8 no. 4 471-473 '63.

BLOOD—DISEASES

Causes of hypofibrinogenemia and afibrinogenemia during labor and in the early postpartal period. N. A. Shilko. Akush. i gin. no. 2 52-58 '63.

Effect of prolonged repeated irradiation on the blood and blood-forming organs. G. D. Baisogolov. Med. rad. 7 no. 12:38 77 D '62.

BLOOD—EXAMINATION

Cancer cells in circulating blood, a survey of foreign literature. A. P. Dotsenko. Vrach. delo no. 7:86-92 Jl '63.

BLOOD—OXYGEN CONTENT

Photoelectric registration of the intensity of tissue respiration under experimental conditions. K. P. Panasenko. Pat. fiziol. i eksp. terap. 7 no. 2:72-73 Mr-Ap '63.

BLOOD—TRANSFUSION

Experimental study of acute renal insufficiency following complications during blood transfusion [with summary in English]. V. A. Agranenko, R. V. Nedoshivina. Pat. fiziol. i eksp. terap. 7 no. 1:71-74 Ja-F '63.

Largest in the world. M. M. Tarasov. Kul't. i zhizn' 7 no. 2:41-45 '63.

[illegible]

Society of Surgeons of the Ukrainian S. S. R. and the 11th Republic Conference on Blood Transfusion] Trudy. Kiev, Gosmedizdat USSR, 1963. 392 p. (DNLM)

Republic-wide conference on exchange transfusion of blood in Kazakhstan. A. I. Zikeeva. Pat. fiziol. i eksp. terap. 7 no. 2:91-93 Mr-Ap '63.

BLOOD, GASES IN

Comparative evaluation of the gas composition of cadaver blood in different forms of mechanical asphyxia. N. S. Seitov. Zdrav. Kazakh. 23 no. 2:63-64 '63.

Immediate method of determining the tension of oxygen and carbon dioxide in arterial blood. M. G. Novik, L. N. Fedorov, L. F. Shestukalova. Zhur. eksp. i klin. med. 3 no. 2:71-76 '63.

BLOOD AS FOOD OR MEDICINE

Pregnant mare's blood as a hormone preparation. P. I. Shatalov. Veterinariia 39 no. 11:52-56 N '62.

BLOOD DONORS

As if they are members of the same family. V. Klimenkova. Sov. Kuban. krest. 13 no. 2:17 Mr-Ap '63.

Let's serve the people. G. A. Mitcrev. Sov. Kuban. krest. 13 no. 2:1-6 Mr-Ap '63.

BLOOD PLASMA SUBSTITUTES

Effect of A. P. Polosukhin's antishock fluid on lymph circulation and venous pressure prior to and during shock. R. D. Kornilova. Izv. AN Kazakh. SSR, Ser. med. nauk no. 1:3-6 '63.

Effect of the stimulation of the vascular receptors of the spleen by E. A. Asratian and A. P. Polosukhin's antishock fluids on blood pressure and respiration. Zh. B. Nil'dibaeva. Izv. AN Kazakh. SSR, Ser. med. nauk no. 1: 7-11 '63.

Use of dry plasma, BK-6, and hydrolysin L-103 in the compound treatment of pulmonary tuberculosis [with summary in English]. I. N. Lopatiuk. Vrach. delo no. 7 75-79 Jl '63.

BLOOD PLATELETS

Method of counting thrombocytes. S. M. Erusalimskaia. Vrach. delo no. 9:132-133 S '63.

Thrombocytogram of X-ray room personnel. O. N. Piksanov. Vest. rent. i rad. 38 no. 1 55-56 Ja-F '63.

BLOOD PRESSURE

Effect of A. P. Polosukhin's antishock fluid on lymph circulation and venous pressure prior to and during shock. R. D. Kornilova. Izv. AN Kazakh. SSR, Ser. med. nauk no. 1 3-6 '63.

Effect of the stimulation of the vascular receptors of the spleen by E. A. Asratian and A. P. Polosukhin's antishock fluids on blood pressure and respiration. Zh. B. Nil'dibaeva. Izv. AN Kazakh. SSR, Ser. med. nauk no. 1: 7-11 '63.

Interoceptive effects from the gallbladder on venous pressure. M. I. Koinova. Izv. AN Kazakh. SSR, Ser. med. nauk no. 1:15-19 '63.

BLOOD PRESSURE—MEASUREMENT

Intracardiac examination of blood pressure and phonocardiogram under experimental conditions with a new Soviet apparatus. N. S. Dzhavadian, L. N. Ivanova, S. I. Filimonov. Pat. fiziol. i eksp. terap. 7 no. 2 78-80 Mr-Ap '63.

BLOOD PRESSURE, HIGH see Hypertension

BLOOD PROTEINS

C-reactive protein in patients with scarlet fever. A. I. Ivanov, P. M. Pashinin. Pediatriia 42 no. 1:47-48 Ja '63.

Changes in the protein composition of blood serum in lead poisoning in an experiment, preliminary report. A. T. Aldanazarov, T. Kh. Aitbaev, N. A. Kutyrkina. Izv. AN Kazakh. SSR, Ser. med. nauk no. 2:48-53 '63.

Changes in the specificity of heterogenic proteins under the influence of pressure and heating. G. IA. Rozenberg, M. M. Rudashevskaia, N. D. Ul'ianova. Pat. fiziol. i eksp. terap. 7 no. 2:69-70 Mr-Ap '63.

Determination of C-reactive protein in toxoplasmosis under experimental and clinical conditions. V. I. Veriulashvili. Pat. fiziol. i eksp. terap. 7 no. 1:75-76 Ja-F '63.

Electrophoretic spectrum of blood serum proteins in the process of malignant degeneration under the influence of sex hormones [with summary in English]. E. P. Sidorik. Vrach. delo no. 7:83-86 Jl '63.

Electrophoretic study of antitoxic Diaferm 3 serums additionally treated with aluminum hydroxide. V. V. Budylina, Z. I. Sosina. Zhur. mikrobiol., epid. i immun. 40 no. 1:141-147 '63.

Electrophorograms of the blood serum in combination with fibrinogen and amino acids in patients with chronic coronary insufficiency. N. I. Semenovich. Terap. arkh. 35 no. 2,48-54 F '63.

Examination of the blood serum in bacillary dysentery by the electrophoresis-precipitation method [with summary in English]. K. V. Klimov. Zhur. mikrobiol. epid. i immun. 40 no. 1 116-120 '63.

Fractional composition of serum proteins in the aggravation of chronic saturnism. B. A. Bolliev, IU. M. Levanov. Izv. AN Kazakh. SSR, Ser. med. nauk no. 1:76-79 '63.

Functional state of the adrenal cortex, content of blood proteins and some other biochemical indices in patients with eczema [with summary in English]. V. G. Borovskaia, P. F. Petrunin. Vest. derm. i ven. 37 no. 2 21-25 F '63.

Protein fractions of the blood serum and the state of the connective tissue of the skin in eczema patients receiving teleoentgenotherapy. G. M. Bolinev. Vrach. delo no. 9:88-93 S '63.

Total proteins and protein fractions of the blood serum and the nature of their changes under the influence of preoperative preparation in patients with cancer of the cardial section of the stomach and esophagus [with summary in English]. M. D. Lapin. Grud. khir. 4 no. 6:83-88 N-D '62.

BLOOD SUGAR

Changes in the blood sugar under the influence of ultrasonic waves. L. L. Kuchetova, N. V. Penek. Vrach. delo no. 9,114-115 S '63.

BLOOD VESSELS—DISEASES

Condition of the peripheral vessels in persons working on the cyclotron [with summary in English]. V. V. Alferova, I. V. Kuznetsova. Med. rad. 7 no. 12:32-37 D '62.

BLOOD VESSELS—INNERVATION

Receptors of the extracardiac vessels of the large intestine in a cat. A. P. Amvrosiev. Vop. morf. perif. nerv. sist. no. 6:131-142 '63.

BLOOD VESSELS—TRANSPLANTATION

Research on the viability of blood vessels preserved by freeze-drying [with summary in English]. M. V. Bilenko. Grud. khir. 4 no. 6 45-51 N-D '62.

BLUMENAU, LEONID VASIL'EVICH, 1862-1931

Leonid Vasil'evich Blumenau, on the one-hundredth anniversary of his birth. G. G. Sokolianskii. Vrach. delo no. 7 155-156 Jl '63.

BOARDING SCHOOLS

Directional lines in ideological and educational work. S. Pletnev. Shkola-int. no. 4 47-50 Jl-Ag '63.

Essay about a hero teacher). P. IA. Leshchenko. Rad. shk. 12 no. 9:105 S '63.

Every boarding school should have a reserve of its own funds. A. Petrov. Shkola-int. no. 4 71 Jl-Ag '63.

In the Ministry of Education of the R. S. F. S. R. Shkola-int. no. 4 76-77 Jl-Ag '63.

Let's penetrate the students' minds. V. Kut'ev. Shkola-int. no. 4 16-19 Jl-Ag '63.

More and more activities. N. Kunyadin. Shkola-int. no. 4 43-46 Jl-Ag '63.

The party teaches. E. Maksimova. Shkola-int. no. 4:7-8 Jl-Ag '63.

School radio. N. Borelko. Shkola-int. no. 4 30-31 Jl-Ag '63.

Socially useful work is the best educator. N. Kasiutin, E. Vendrov. Shkola-int. no. 4 24-26 Jl-Ag '63.

BOATS AND BOATING

Greater attention to boat handling. V. P. Zaitsev. Mor. sbor. 16 no. 8:58-60 Ag '63.

BODY FLUIDS

Kravchinskii, B. D. [Physiology of the water-salt metabolism of body fluids] Fiziologiia vodno-solevogo obmena zhidkostei tela. Leningrad, Medgiz, 1963. 310 p.

BODY TEMPERATURE

Skin thermometry of the anterolateral surface of the thorax in the diagnosis of coronary insufficiency. IU. D. Borodulin. Terap. arkh. 35 no. 2,37-41 F '63.

Use of the thermoelectric method in the diagnosis of diseases of the urinary organs. V. N. Skiltsi, V. A. Phogov. Vrach. delo no. 9,142-143 S '63.

BODY TEMPERATURE—REGULATION

Disorders in thermoregulation in patients with lichen ruber planus [with summary in English]. Z. A. Kornienko. Vest. derm. i ven. 37 no. 2 11-13 F '63.

BOGDANOV, ELLIA ANATOL'EVICH, 1872-1931

The most outstanding representative of zootechnicians. A. S. Solun. Zhivotnovodstvo 24 no. 5:85-86 My '62.

BOGORODSKOYE (MOSCOW PROVINCE)—WOOD CARVING, RUSSIAN

Three centuries. A. Erokhova. Mest. prom. i khud. promys. 4 no. 4:20-21 Ap '63.

BOHEMIA—DESCRIPTION AND TRAVEL

The cities of southern Bohemia. Vladimir Michal. Nov. vrem. 21 no. 38:16-18 S '63.

BOHEMIA—HISTORY

Russian soldiers as the Czech people remember and describe them. Cestmir Amort. Voen.-ist. zhur. 5 no. 8:108-113 Ag '63.

BOILERS

Adjustment and testing of the furnace system and dryer of the DKV-6, 5-13 boiler. IU. N. Korchunov and others. Energomashinostroenie 9 no. 10:41-43 O '63.

Automatic regulation of water-heating systems with gas-burning boilers. V. M. Gaitykhin. Avtomatiz. otop. kot. no. 3:78-86 '63.

Automation of heating industrial boilers using the "Kristall" electronic-draulic system of automatic control. A. A. Slavin. Avtomatiz. otop. kot. no. 3:116-128 '63.

Automation of low-pressure boiler feed. I. A. Kalmykov. Prom. energ. 18 no. 10:19-21 O '63.

Basic results and problems of research work in the field of automation of heating boilers. S. A. Chistovich. Avtomatiz. otop. kot. no. 3:12-42 '63.

Burning of anthracite in PMZ furnaces. V. P. Artem'ev, E. V. Nechaev. Energetik 11 no. 9:21-24 S '63.

Concerning K. F. Roddatis and I. M. Pivinzon's article "Calculation of the stability of hydrodynamic characteristics of the vertical panels of once-through type boilers." S. I. Ivianskii. Teploenergetika 10 no. 9 92 S '63.

Decisions of the technical conference "automation of heating boilers and unification of automatic control devices." Avtomatiz. otop. kot. no. 3 177-184 '63

Decrease in the hydraulic resistance of the pipelines of boiler systems. A. G. Ryss. Energetik 11 no. 9 15 S '63.

Determination of the degree of blackness of emitting gases in a tube bank. I. R. Mikk. Teploenergetika 10 no. 9 45-48 S '63.

Development of automatic control systems for boilers operating on gas. I. L. TSabut. Avtomatiz. otop. kot. no. 3 129-147 '63.

Display of "Standard boilers for settlements and industrial systems" at the Exhibition of Achievements of the National Economy of the U. S. S. R. I. M. Liando. Prom. energ. 18 no. 9 49-50 S '63.

Economic effectiveness of general automatic control systems for water-heating boilers operating on gas. B. N. Lerner. Avtomatiz. otop. kot. no. 3 158-164 '63.

Effect of the properties of coal used in apartment houses and communal buildings on the solution of the problem relative to the mechanization of coal-burning boilers. S. A. Lobkov. Avtomatiz. otop. kot. no. 3 170-176 '63.

Evaluation and specifications of automatically controlled boiler safety systems. M. B. Slavin. Avtomatiz. otop. kot. no. 3 148-157 '63.

Experimental study of the automatic control of water-heating gas-burning boilers. IU. P. Rusinkovskii. Avtomatiz. otop. kot. no. 3 43-77 '63.

Hydrazine conditioning of boilers. B. N. Kryzhanovskii. Energetik 11 no. 8 4-6 Ag '63.

Improved design of an alloyed boiler. L. I. Parfenov. Khim. mashinostr. no. 5 36 S-O '63.

In the Technical Council of the State Production Committee on Power Engineering and Electrification of the U. S. S. R. Energetik 11 no. 8 45-46 Ag '63.

Method for calculating the deposits in transitory zone of boilers with supercritical parameters. E. P. Dik. Energomashinostroenie 9 no. 9 36-38 S '63.

New brickwork structure of large steam and water heating boilers. E. M. Zalkind. Elek. sta. 34 no. 9 56-60 S '63.

New design of a burner with mechanical pulverization of mazut. V. V. Balunov, M. S. Malinin, IU. B. Miagkov. Energetik 11 no. 9 15-16 S '63.

Panasenko, M. D. [Design and calculation of stepped evaporation, steam scrubbing, and separation of steam in boilers] Raschet i proektirovanie stupenchatogo isparenila, paropromyvki i separatsii para v parovykh kotlakh. Redaktor T. V. Vilenskii. Moskva, Mosk. energ. in-t, 1963. 26 p.

Permissible working pressure in the drums of plant boilers. G. M. Polikarov, V. I. Kulachkov. Teploenergetika 10 no. 9 39-40 S '63.

Present status of and trends in designing automatic control systems for heating industrial boilers and problems of producing the means of automation. V. B. Chistovskii. Avtomatiz. otop. kot. no. 3. 5-11 '63.

Principal characteristics of boiler units manufactured by the Belgorod Boiler Factory in 1963. Prom. energ. 18 no. 10 68 O '63.

Results of the studies of a turbulent ZIO burner with a radial twisting apparatus and regulated twist of the flow. A. G. Ivanov and others. Energomashinostroenie 9 no. 9. 8-11 S '63.

Study of the sliding start conditions of a cold PK-33 once-through type boiler unit with nondraining shield-type superheater. R. A. Petrosian and others. Teploenergetika 10 no. 9. 19-25 S '63.

Through the pages of technical journals. Energetik 11 no. 9. 26-27 S '63.

Vilenskii, T. V. [Design and construction of ash removal systems in electric power plants] Proektirovanie i raschet sistem zoloudaleniia na elektrostantsiiakh. Red. B. M. Mitrofanov. Moskva, Mosk. energ. in-t, 1961. 110 p.

BOILERS—ABSTRACTS

[Boiler manufacture] Ref. zhur.: Kotlostroenie nos. 10-11 O-N '63.

BOILERS—BIBLIOGRAPHY see Bibliography—Boilers

BOILERS—EQUIPMENT AND SUPPLIES

Ejector thermocouple. A. A. Madolan, L. G. Madolan. Energetik 11 no. 8. 18-20 Ag '63.

Feed-water economizers, ash collectors, exhaust fans, and fans for DKVR boilers. Prom. energ. 18 no. 9 59-62 S '63.

Means for decreasing electric power expenditures in the drives of draft and blast machines. A. D. Bruk. Elek. sta. 34 no. 9. 79-81 S '63.

Nomenclature and characteristics of steam and water system equipment manufactured by the "Tiazhpromarmatura" factory in Penza in 1963. Energetik 11 no. 9. 31-32 S '63.

Nomenclature on blast and draft machines manufactured by the "Energomash" factory in Khabarovsk in 1963. Energetik 11 no. 8. 48 Ag '63.

Slag removal systems for boilers operating on Baltic shales. V. I. Reznik, I. IA. Etemin, I. A. Sukhinin. Energomashinostroenie 9 no. 10. 8-10 O '63.

BOILERS—FIRING

Liando, I. M. [Burning of fuel mazut and gas in industrial boilers] Szhiganie topochnogo mazuta i gaza v promyshlennykh kotel'nykh. Moskva, Gos. energ. izd-vo, 1963. 206 p.

Shur, I. A. [Conversion of boilers to gas firing] Perevod otopitel'nykh kotlov na gazoobraznoe toplivo. Leningrad, Gostoptekhizdat, 1963. 155 p. (Biblioteka mastera gazovogo khoziaistva)

BOILERS—TESTING

Testing reconditioned separating devices of the BG-35 boilers using softened water from the Dzheyran-Batan Lake. M. A. Guliaev, M. M. Mamedov, K. M. Abdullaev. Za tekh. prog. 3 no. 3. 14-16 Mr '63.

BOILERS, MARINE

Anatoliev, F. A. [Heat exchangers in marine steam-power plants] Teploobmennye apparaty sudovykh parosilovykh ustanovok. Leningrad, Sudpromgiz, 1963. 494 p.

Cleanliness and longevity of ship boilers. IU. Gorshkov. Starsh.-serzh. no. 5. 29 My '63.

Ermilov, V. G. [Operation and testing of marine steam-power plants] Tekhnicheskaia ekspluatatsiia i ispytaniia sudovykh parosil'nykh ustanovok. Leningrad, Izd-vo "Morskoi transport," 1963. 279 p.

Shifrin, M. Sh. [Automatic control of marine steam-power plants, theory and design] Avtomaticheskoe regulirovanie sudovykh parosilovykh ustanovok, teoriia i proektirovanie. Leningrad, Sudpromgiz, 1963. 586 p.

BOILERS, MARINE—COMBUSTION

Characteristics of modern combustion chambers on ships for burning mazut. M. I. Sidorov. Inform. sbor. TSNIIMF no. 44. Tekh. ekspl. mor. flota no. 2 66-71 '59.

Characteristics of the fuel control unit in the fuel combustion system of marine boilers. A. K. Gol'denfon. Inform. sbor. TSNIIMF no. 41. Tekh. ekspl. mor. flota no. 2 46-55 '59.

BOILERS, MARINE—MAINTENANCE AND REPAIR

Maintenance of steam power plants. F. Krivenkov. Rech. transp. 22 no. 9 37 S '63.

BOISSIER, LEOPOLD, 1893-

Leopold Boissier. Araujo Castro. Nov. vrem. 21 no. 36 15 S '63.

BOKARO, INDIA—IRON AND STEEL PLANTS

History of an industrial plant, economic notes. I. Andronov. Nov. vrem. 21 no. 38. 30 S '63.

BOLIVIA—HISTORY

Revolution of 1952 and the agrarian reform in Bolivia. O. L. Lytvynenko. Ukr. ist. zhur. 7 no. 4 90-94 Jl-Ag '63.

BOLIVIA—LAND TENURE

Revolution of 1952 and the agrarian reform in Bolivia. O. I. Lytvynenko. Ukr. ist. zhur. 7 no. 4 90-94 Jl-Ag '63.

BOLOTOV, ANDREI TIMOFEEVICH, 1738-1833

Noteworthy dates in science and technology. Shkola i proizv. 7 no. 9 95-96 S '63.

BOL'SHAYA MURTA DISTRICT—POSTAL SERVICE

Rural mail. V. Mukhortov. Sov. deput. trud. no. 6. 36-38 Je '63.

BOL'SHAYA YERBA VALLEY—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Lower and Middle Cambrian sediments in the Bol'shaya Yerba basin (Catenovskiy ridge). E. G. Kraevskii. Trudy SNIIGGIMS no. 24. 79-86 '62.

BOL'SHIYE BEREZNIKI DISTRICT—OBSTETRICS

Results of the work of the district hospital in organizing obstetric aid in a village. N. IA. Nazarkin. Zdrav. Ros. Feder. 7 no. 8. 21-23 Ag '63.

BOLZANO, ITALY—LAND TENURE

History of the ownership of land in Bolzano (before it developed into a city) and its vicinity, from the 10th through the 12th century (with summary in German). A. I. Neusykhin. Sred. veka. no. 23. 20-39 '63.

BOMBARDMENT WITH PARTICLES see Collisions (Nuclear physics)

BOMBING, AERIAL

Determining the elements of a submarine's movements for aerial bombing in training area conditions. B. P. Kargel. Mor. sbor. 46 no. 8. 50-63 Ag '63.

BONDS, CHEMICAL see Chemical bonds

BONE GRAFTING

Effect of vitamin B_{12} on the regeneration of bone tissue (in surgical elongation of a human extremity). V. D. Dedova, T. I. Cherkasova. Ortop., travm. i protez. no. 1. 38-42 '63.

Morphological characteristics of the change during homoplasty with refrigeration-preserved bone, experimental research. N. A. Zvonkov, T. N. Beliakova. Ortop., travm. i protez. 24 no. 2. 3-9 F '63.

Regeneration processes during intra- and extramedullary osteosynthesis. V. D. Chaklin, E. A. Abal'manova, G. I. Lavrishcheva. Ortop., travm. i protez. no. 1. 10-15 '63.

Some comparative data on two methods to study the taking of bone grafts by the use of radioactive indicators [with summary in English]. G. S. Gladkova. Med. rad. 7 no. 12. 40-43 D '62.

BONES

Changes in mineral and protein metabolism in calcified tissues following thermal burns [with summary in English]. B. E. Movshev. Pat. fiziol. i eksp. terap. 7 no. 2. 58-62 Mr-Ap '63.

Metabolism of C14 labeled lysine in calcified tissues during acute radiation sickness. A. A. Prokhonchukov. Pat. fiziol. i eksp. terap. 7 no. 1. 81-84 Ja-F '63.

BONES—CANCER

Abstracts of articles received by the editors. I. A. Biabokon', K. D. Martiniuk, M. A. Lopatina. Ortop., travm. i protez. 24 no. 2. 78-80 F '63.

Case of pathological bone transformation. L. N. Alekseeva. Ortop., travm. i protez. no. 1. 66-69 '63.

BONES—DISEASES

Abstracts of foreign literature. A. V. Zenchenko, N. N. Nechaev. Ortop., travm. i protez. 24 no. 2. 81-84 F '63.

Bone dystrophy in the extremities of rabbits induced by partial resection of the femoral or sciatic nerve. I. M. Kapustina. Ortop., travm. i protez. 24 no. 2. 14-18 F '63.

Morphological changes in the nerves of animal bone tissue during acute radiation sickness. M. N. Pavlova. Ortop., travm. i protez. 24 no. 2. 9-14 F '63.

Roentgenological characteristics and some parallels in osteoarticular changes in the miners of Karaganda and Dzhezkazgan. L. A. Kul'kina. Zdrav. Kazakh. no. 2. 49-53 '63.

BONES—INNERVATION

Morphological changes in the nerves of animal bone tissue during acute radiation sickness. M. N. Pavlova. Ortop., travm. i protez. 24 no. 2. 9-14 F '63.

BONES—SURGERY

Abstracts of articles received by the editors. I. A. Biabokon', K. D. Martiniuk, M. A. Lopatina. Ortop., travm. i protez. 24 no. 2. 78-80 F '63.

BONES—TUBERCULOSIS

Nonspecific phagocyte activity in experimental bone tuberculosis following the use of pyrogens and streptomycin [with summary in English]. F. Kh. Kuchekbaeva, T. B. Il'ina. Pat. fiziol. i eksp. terap. 7 no. 2. 64-67 Mr-Ap '63.

BONES—TUMORS

"Primary tumors of bones in children" by M. V. Volkov. Reviewed by R. M. Minina. Ortop., travm. i protez. 24 no. 2. 83-85 F '63.

BONUS SYSTEM

(see also subdivision under Europe, Eastern; Hungary)

Changes in the regulations on the bonus system. M. M. Borodin. Les. khoz. 16 no. 9. 86-87 My '63.

Give more attention to introducing and improving a material incentive system. Ekon. stroi. no. 10. 3-6 O '63.

An hourly-bonus wage system in experimental production. I. Andrianov. Sots. trud. 8 no. 9. 30-40 S '63.

Improve the system of issuing bonuses to enterprises in accordance with the results of socialist competition. L. Kovalev. Plan. khoz. 40 no. 10. 15-19 O '63.

In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the All-Union Central Council of Trade Unions. Sots. trud. 8 no. 9. 145-147 S '63.

Increase the material self-interest of enterprises. Zh. Kozhagarov. Den. i kred. 24 no. 9. 53-55 S '63.

Material stimulation and large-scale planned assignments. L. Zotova, V. Bazanova. Plan. khoz. 40 no. 10. 1-7 O '63.

Material stimulation of the manufacture of new articles. N. Shelkastin. Sots. trud. 8 no. 7. 133-139 Jl '63.

New development in issuing bonuses to lumbering industry workers. K. Ippolitov. Sots. trud. 8 no. 7. 129-126 Jl '63.

New system for rewarding loggers. IU. Pak, K. Ippolitov. Les. prom. 41 no. 8. 9-10 Ag '63.

Problems of material encouragement of construction workers. Ekon. stroi. no. 9. 54-55 S '63.

Procedure for issuing bonuses to workers. I. Galitskii, P. Nelin. Sots. trud. 8 no. 7. 139-173 Jl '63.

Procedure for paying wages and issuing bonuses to individual categories of workers in construction. Ekon. stroi. no. 10. 69-71 O '63.

We are discussing the problems of the material incentives of construction workers. Ekon. stroi. no. 10. 47-58 O '63.

BOOK COLLECTING
Why do they collect books? B IAlantsev. Vop lit. 7 no. 8 230-232 Ag '63.

BOOK COVERS see subdivision under Lvov

BOOK INDUSTRIES—ACCOUNTING see subdivision under Voronezh

BOOKPLATES
Juodkalnis, Kastytis. [Ex libris] Eksalibrisai. Vilnius, Valstybine grozines literatoros leidykla, 1963 1 v (chiefly illus.) [In Lithuanian]

BOOKS
A book about books. M. Lapshin Vop. lit. 7 no. 8:178-183 Ag '63.

BOOKS—EXHIBITIONS
Here they publish books from different countries. Kul't. i zhizn' 7 no. 2:46-47 '63.

BOOKS AND READING
Kalitin, N. I. [The art of being a reader] Iskusstvo byt' chitatelem. [Moskva] Molodaia gvardiia, 1962. 157 p. (NIC)

BOOKSELLERS AND BOOKSELLING
(see also subdivision under Issyk, Virgin Territory)
"Ambassadors of indissoluble friendship...." V. Samoilov. Sov. knizh. torg. 15 no. 8 20 Ag '63.
Card catalogs for orders are not necessary. P. Dubonosov. Sov. knizh. torg. 15 no. 8 31-32 Ag '63.
Consumer cooperatives are their own wholesalers. I. Emel'ianov, D. Shvarts. Sov. knizh. torg. 15 no. 8 30 Ag '63.
If the bookkeeper knows his job. S. Ustinov Sov. knizh torg. 15 no. 8:36-37 Ag '63.
In the Science and Technology Society. Sov. knizh. torg. 15 no. 8 41-42 Ag '63.
People's control, effective control. A. Tregubov Sov. knizh. torg. 15 no. 8 12-13 Ag '63.
"Publications of bygone years..." V. Samoilov. Sov. knizh. torg. 15 no. 8 20 Ag '63.
Push popular political literature as directed by the first plan. G. Liashenko, I. Aizenberg. Sov knizh. torg. 15 no. 8 6-7 Ag '63.
Questions and answers. Sov. knizh. torg. 15 no. 8:47 Ag '63.
Three parallels... Why? B. Vial'tsev. Sov. knizh torg. 15 no. 8 23-24 Ag '63.
Useful seminar. V. Beseдina. Sov. knizh torg. 15 no. 8 38-39 Ag '63.
What are the rights and obligations of the store director? Sov. knizh. torg. 15 no. 8 32 Ag '63.
What books lie unsold? Why? Sov. knizh. torg. 15 no. 8 2-3 Ag '63.
What the "Goods Manager's Day" has done for us. V. Sergienko. Sov. knizh. torg. 15 no. 8 18-19 Ag '63.
Work that concerns the whole party. R. Rakina. Sov. knizh. torg. 15 no. 8:13-14 Ag '63.

BOOTS AND SHOES see subdivision under Siberia

BOOTS AND SHOES—REPAIRING see subdivision under Leningrad

BORDER PATROLS
At the southern border. N. Nikol'skii Ogonek 41 no. 22:17-19 My '63.
Border crosser won't get through. V. Orlov, A. Sysoev. Starsh.-serzh. no. 5 22-24 My '63

BORIDES
Heavy metal "borides," new hydrogenation catalysts. K. N. Mochalov, S. I. Polikarpov. Trudy KKHTI no. 30 283-288 '62.

BORING
(see also subdivision under Caspian Lowland; Russia, Northwestern)
Akademiia stroitel'stva i arkhitektury SSSR, Institut po stroitel'stvu, Rostov-on-Don [Ways of reducing redrilling in crosscutting] Puti snizhenila perebrov pri prokhodke gornykh vyrabotok. Rostov-na-Donu, 1962. 27 p.
[MICROFILM]
Determination of the depth of bedding of a crystalline basement from the surface of saline soils. G. V. Bogomolov. Dokl. AN BSSR 7 no. 7:464-466 Jl '63.
Kalinin, A. G., Iu. S. Vasil'ev, and A. S. Bronzov, [Orienting deflecting drilling systems] Orientirovanie otkloniaiushchikh sistem v skvazhinakh. Moskva, Gostoptekhizdat, 1963. 149 p.
Krasnoiarskoe geologicheskoe upravlenie. Nauchno-tekhnicheskoe obshchestvo (gornoe). [Explorers of the Krasnoyarsk Geological Administration in the struggle for communist labor] Geologorazvedchiki Krasnoiarskogo geologicheskogo upravlenila v bor'be za kommunisticheskii trud. Krasnoiarsk, 1963. 36 p.
[MICROFILM]
Moscow, TSentral'nyi institut informatsii tsvetnoi metallurgii. [Breaking ore with slim holes] Otboika rudy shpurami malogo diametra. Moskva, 1963 50 p. (Gornodobyvaiushchaia promyshlennost')
Using the drilling method to determine the abrasiveness of rocks Chzuan TSzia-ly [Chang Chia-lu]. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no. 41 61-66 '62
Using three-roller bits in drilling with scavenging in prospecting for indigenous diamond deposits in Yakutia I. P. Elmanov. Trudy MGRI 39 112-120 '63.
Vasil'ev, Iu. S., N. B. Siyekhina, and A. S. Bronzov. [Tolerable deflination of boreholes from the design] Dopustimye otkloneniia stvolov skvazhin ot proekta Moskva, Gostoptekhizdat, 1963 152 p.

BORING MACHINERY
(see also subdivision under Yakutia)
The BS-80 drilling machine. V. I. Peshkov, B. P. Vishnevskii. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8 12-14 '63.
Combined boring unit. R. Gabrielian. Avt. dor. 26 no. 9 30 S '63.
Determination of dynamic stresses in drill pipes Z. G. Kerimov. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 2:125-129 '63.
Determining the optimum size of drilling pipes for vibration drilling A. Z. Levitskii. Trudy MGRI 39:157-160 '63.
Experimental studies of the parameters of the stream of a jet-piercing burner. A. V. Brichkin and others Izv. vys. ucheb. zav., gor. zhur. 6 no. 3:52-58 '63.
The K26M-6 bit for drilling test wells. L. E. Graf, D. I. Kogan. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:12-13 '63.
Mechanical shunt. Izv. vys. ucheb. zav.; neft' i gaz 6 no. 3:103-106 '63
Mechanization and automatic control of auxiliary operations on drilling rigs for drilling long blastholes. L. P. Sammel'. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no. 41 92-101 '62.
Moerson, E. G. [Modern drill pipes and fishing tools] Sovremennye buril'nye truby i lovil'nyi instrument Moskva, Gosgeoltekhizdat, 1963 24 p
Present state of the manufacture of roller bits and means for further improvement of its technological processes M. M. Melikov Za tekh. prog. 3 no. 3:17-20 Mr '63
Resistances arising in roller bearings of bit supports. A. M. Abdulzade, T. R. Mamedov Za tekh. prog. 3 no. 3 30-32 Mr '63
SMBU-1 unit for drilling boreholes with multiple drills in shafts. N. R. Umnov, I. N. Popov. Shakht. stroi. 7 no. 10, 3-6 O '63.
Self-propelled drilling unit. P. F. Andrienko. Gor. zhur. no. 9 60 S '63
Using hydraulic drills in growing farm crops. S. P. Pysanko, N. A. Murbia-Elorsa, V. M. Verkhovs'kyi. Mekh. sil'. hosp. 14 no. 1:13-14 Ap '63.
The VVM-45, "Kobra" gasoline engine perforator and concrete breaker. K. E. Kolen. Mekh. stroi. 20 no. 10 27-28 O '63.

BORING MACHINERY—HYDRAULIC DRIVE
Rock-breaking tool for drilling with hydraulic hammers. L. E. Graf, D. I. Kogan. Trudy MGRI 39:121-127 '63.

BORING MACHINERY—MAINTENANCE AND REPAIR
Rotary furnace for heating bits. P. P. Kalmykov. Gor. zhur. no. 9 66-68 S '63.

BORING MACHINERY—PNEUMATIC DRIVING
Emel'ianov, P. M. [Machines for drilling blastholes with pneumatic hammers in underground workings and ways of increasing their productiveness] Mashiny dlia burenila vzryvnykh skvazhin pnevmaticheskimi molotkami na podzemnykh gornykh rabotakh i puti povysheniia ikh proizvoditel'nosti. Pod red. N. N. Estina. Moskva, Gosgortekhizdat, 1963. 34 p

BORING MACHINERY—TESTING
(see also subdivision under Kuznetsk Basin)
Economic evaluation of new hard alloy bits, based on the example of drilling exploratory holes in the Kuznetsk Basin. V. N. Volkov, A. I. Zarubina, I. E. Rudavskii. Trudy MGRI 39:161-165 '63.
Results of industrial tests of the BS-80 small automatic drilling rig. V. I. Peshkov, Sh. I. Aksanov. Gor. zhur. no. 9:55-56 S '63.
Results of industrial tests of three-roller pin bits. A. P. Shatilov. Gor. zhur. no. 9:28-30 S '63.
Results of tests of rigs for thermal breaking of rocks. G. K. Vitort, N. M. Zelenskii, A. F. Mironiuk Izv. vys. ucheb. zav., gor. zhur. 6 no. 3:70-73 '63
Results of using diamond-impregnated bits in exploratory drilling. D. O. Makushkin. Trudy MGRI 39:132-137 '63.

BORISLAV—WORLD WAR, 1939-1945
Petroleum workers of Borislav during the Great Patriotic War V. S. Dmytriienko. Ukr. ist. zhur. 7 no. 4:102-104 Jl-Ag '63

BORODIN, ALEKSANDR PORFIL'EVICH, 1833-1887
Golovinskii, G. L. [A. Borodin's "Prince Igor"] Kniaz' Igor' A. Borodina 2. izd., perer. i dop. Moskva, Gos. muzykal'noe izd-vo, 1962 85 p. (Putevoditel' po operam)
(MiU)

BORON—RADIOACTIVE PROPERTIES
Using the RAP-2M scintillation apparatus ("Neitron") in performing a neutron-absorption analysis of boron ores. G. V. Ostroumov. Razved. i okh. nedr 29 no. 9 40-45 S '63.

BOROVYKOVS'KYI, LEVKO, 1806-1889—MUSEUMS, RELICS, ETC.
Memorial rooms in Poltava Province. P. P. Rotach. Rad. lit. 7 no. 3:155 My-Je '63

BOSPORUS, CIMMERIAN (KINGDOM) see Cimmerian Bosporus (Kingdom)

BOTANICAL GARDENS see subdivision under Dnepropetrovsk

BOTANY see subdivision under Khabarovsk Territory; Murmansk Province, Sakhalin, Siberia, Western

BOTANY—ANATOMY
Reticulate structure of the bast layer in the stalks of American jute, kenaf, jute and hemp and its role in the system of the mechanical tissues of the stalk. A. A. Arno. Nauch.-issl. trudy TSNIILV 17 3-20 '62.
Trankovskii, D. A., ed. [Laboratory manual on plant anatomy] Praktikum po anatomii rastenii. [By] R. P. Barykina i dr. [n.p.] Rosvuzizdat, 1963. 183 p

BOTANY—AUDIO-VISUAL AIDS
Procurement and growing of plants for laboratory work in botany. G. M. Murtazin Biol. v shkole no. 3:20-23 My-Je '63
System of working with students on the preparation of visual aids. N. F. Romanenko Biol. v shkole no. 3 24-28 My-Je '63

BOTANY—ECOLOGY
(see also subdivision under Wisconsin)
A. A. Nitsenko's study "Some controversial problems of the theory of geobotany." P. M. Lavrenko Bot. zhur. 48 no. 8:1229-1235 Ag '63.

BOTANY—EMBRYOLOGY
Some cytoembryological data on Acanthophyllum gypsophiloides Rgl. V. I. Pursov, S. B. Bespaev Trudy Alma-At. bot. sada 7 121-124 '63
Some data on the embryology of Alisma plantago-aquatica L. [with summary in English] L. V. Kudriashov, L. I. Savich. Biul. MOIP. Otd. biol. 68 no. 4:50-63 Jl-Ag '63

BOTANY—EXPERIMENTS
Botanical experiments with homemade apparatus Nauka i zhizn' 30 no. 5,101 My '63.
Experiments for the study of plant life A. V. Blinis Biol. v shkole no. 3:11-15 My-Je '63

BOTANY—MORPHOLOGY
Kuperman, F. M. [Physiologicomorphologic variability of plants in ontogenesis; a lecture from the course "Biology of plant development"] Morfofiziologicheskaia izmenchivost' rastenii v ontogeneze; lektsiia iz kursa "Biologiia razvitiia rastenii." [Moskva] Izd-vo Mosk. univ., 1963. 63 p.

BOTANY—NOMENCLATURE see subdivision under Turkmenistan

BOTANY—VARIATION
Using ionizing radiation to achieve controlled transformations. N. F. Batygin. Vest. sel'khoz. nauki 8 no. 3:62-64 Mr '63.

BOTANY, ECONOMIC see subdivision under Kopetdag, West Siberian Plain

BOTANY, MEDICAL
(see also subdivision under Alma-Ata)
Disinfecting medicinal plant seeds. N. I. Ostrovskii, V. I. Nosyrev. Zashch. rast. ot vred. i bol. 8 no. 9:29 S '63.

BOTTLING MACHINERY
Spring head for clamps. K. P. Andreev, B. A. Titonov. Spirt. prom. 29 no. 6:20-21 '63.

BOUMEDIENNE, HOUARI, 1925-
Houari Boumedienne. Nov. vrem. 21 no. 42:21 O '63.

BOUNDARY LAYER
Approximate formulas for the characteristics of a laminar boundary layer on an isolated airfoil. Iu. I. Shmakov, Z. V. Pasichnyk. Prykl. mekh. 9 no. 5:537-543 '63.
Boundary layer in a conducting fluid in the presence of a longitudinal magnetic field [with summary in English]. M. V. Belubekian, Inzh.-fiz. zhur. 6 no. 8:97-105 Ag '63.
Laminar boundary layer of a fluid of variable viscosity. I. I. Ibragimov, V. P. Kashkarov. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2 161-168 '63.

719 - 838 O - 64 - 11

BOUNDARY VALUE PROBLEMS

Analysis of solutions to Cauchy's problem for enumeration systems of partial linear differential equations in a class of generalized functions. N. M. Suleimanov, Trudy Inst. mat. i mekh. AN Azerb. SSR 2:133-141 '63.

Asymptotic behavior of some problems for ordinary nonlinear differential equations with a small parameter at the higher derivatives. A. B. Vasil'eva. Usp. mat. nauk 18 no. 3:15-86 My-Je '63.

Boundary value problem of forecasting atmospheric pressure fields, using the complete system of hydrodynamic equations. V. M. Berezin. Vest. Mosk. un. Ser. 3: Fiz., astron. 18 no. 5 28-33 S-O '63.

Cauchy problem for non-kovalevski type equations with variable coefficients [with summary in English]. L. S. Frank. Vest. Mosk. un. Ser. 1 Mat., mekh. 18 no. 5 13-23 S-O '63.

Cauchy's problem for a functional equation. G. N. Agaev, R. I. Alikhanova. Trudy Inst. mat. i mekh. AN Azerb. SSR 2:120-132 '63.

Cauchy's problem for systems of integrodifferential equations. F. S. Aliev. Trudy Inst. mat. i mekh. AN Azerb. SSR 2:77-103 '63.

Closed solutions to Stefan's n-dimensional problem. V. Lio. Trud. Sekt. mat. i mekh. AN Kazakh SSR 2:71-72 '63.

Dirichlet problem for a parabolic equation. Part 2. V. P. Mikhailov. Mat. sbor. 62 no. 2 140-159 O '63.

A Dirichlet problem [with summary in English]. V. M. Chibar'ov. Dop. AN URSR no. 8:1097-1101 '63.

Estimating the error of the straight line method in solving Goursat's problem. V. I. Krylov, O. A. Liskovets. Dokl. AN BSSR 7 no. 8:505-509 Ag '63.

Exceptional cases of Riemann's boundary value problem for a complex contour. V. I. Smahina. Vestsi AN BSSR Ser. fiz.-tekh. nav. no. 3 25-36 '63.

Generalization of the T problem for the equation $u_{xx} + \operatorname{sign} y\, u_{yy} = 0$. G. Karatoprakliev. Dokl. AN SSSR 151 no. 6:1271-1273 Ag '63.

Improperly posed problems. V. K. Ivanov. Mat. sbor. 61 no. 2:211-223 Je '63.

Integral relations method for the Goursat problem. V. I. Krylov, V. V. Bobkov. Dokl. AN BSSR 7 no. 7:433-438 Jl '63.

Nonlinear formulation of certain self-modeling problems concerning the motion of an incompressible liquid with a free surface. Z. N. Dobrovol'skaia. Prikl. mat. i mekh. 27 no. 5:903-909 S-O '63.

Nonlinear formulation of the Cauchy - Poisson problem [with summary in English]. N. O. Grekova. Vest. Mosk. un. Ser. 1: Mat., mekh. 18 no. 5 66-80 S-O '63.

Nonlinear problems in the theory of thin plates with p axes of symmetry. N. F. Morozov. Dokl. AN BSSR 7 no. 6 361-363 Je '63.

A semi-inverse problem. L. A. Sakhnovich. Usp. mat. nauk 18 no. 3:199-206 My-Je '63.

Solution of a boundary value problem for a third-order hyperbolic equation in a certain class of regions. S. E. Elubaev. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2. 37-44 '63.

Some boundary value problems in the theory of elasticity for regions with slits [with summary in English]. M. D. Martynenko. Dop. AN URSR no. 8:983-986 '63.

Some mixed problems for a biharmonic wave equation. I. N. Vateshkevich. Vestsi AN BSSR Ser. fiz.-tekh. nav. no. 3:14-24 '63.

Some properties of classical polynomials and their use in contact problems. G. IA. Popov. Prikl. mat. i mekh. 27 no. 5:821-832 S-O '63.

Spectral indications of the stability of boundary value problems for non-self-adjoint difference equations. S. K. Godunov, V. S. Riaben'kii. Usp. mat. nauk 18 no. 3:14 My-Je '63.

BOXES—STANDARDS

Boxes. L. A. Orlova, T. S. Semushkina. Standartizatsiia

Neurogenic mechanism of the pathogenesis of hyperthyroidism. F. I. Turdui. Zdravookhranenie 6 no. 2 27-30 Mr-Ap '63.

BRAIN—ABSCESS

Case of a recurrent bicameral otogenous abscess in the right temporal lobe of the brain. M. G. Matvienko. Zhur. ush., nos. i gorl. bol. 23 no. 4 81-82 Jl-Ag '63.

Rhinogenous abscess of the left lobe of the brain ending in recovery. I. Z. Reslin. Zhur. ush., nos. i gorl. bol. 23 no. 4:78-80 Jl-Ag '63.

BRAIN—BLOOD SUPPLY

Blood supply to the brain during experimental convulsions [with summary in English]. I. I. Fedorov, V. P. Bezuglov, E. A. Zakharina. Pat. fiziol. i eksp. terap. 7 no. 2 30-34 Mr-Ap '63.

Significance of changes in cerebral blood circulation in the development of disorders in nervous activity during a traumatic shock [with summary in English]. V. K. Kulagin. Pat. fiziol. i eksp. terap. 7 no. 2 26-30 Mr-Ap '63.

BRAIN—HEMORRHAGE

Technique of examining patients with intracranial hemorrhages by angiography. I. M. Ostrovskaia. Eksper. khir. i anest. no. 1:19-21 '63.

BRAIN—INFLAMMATION see Encephalitis

BRAIN—SURGERY

Morphological and physiological examination of some cellular groups of the hypothalamo-hypophysial system following extirpation of the cerebral hemispheres. M. B. Nazarian. Zhur. eksp. i klin. med. 3 no. 2:3-9 '63.

Surgeons wage war against insultus. V. Rakhmanova. Nauka i zhizn' 30 no. 9 51 S '63.

Technique of pallidotomy using the stereoencephalotome designed by the Scientific Research Institute for Experimental Surgical Apparatus and Instruments. A. A. Volkov, S. L. Atsuk. Eksper. khir. i anest. no. 1 12-18 '63.

BRAIN—TUMORS

Technique of examining patients with intracranial hemorrhages by angiography. I. M. Ostrovskaia. Eksper. khir. i anest. no. 1:19-21 '63.

BRAIN—WOUNDS AND INJURIES

Case of traumatic pneumocephalus. V. A. Guzeev. Zdrav. Kazakh. 23 no. 2 76 '63.

Late results of brain traumas. S. G. Zegrabian. Zhur. eksp. i klin. med. 3 no. 1 11-17 '63.

Tracheostomy in the compound treatment of a severe injury. S. G. Girshin. Ortop., travm. i protez. 24 no. 2:57-61 F '63.

BRANDING (LIVESTOCK)

The most suitable methods for cattle branding. Jozef Stepan. Zhivotnovodstvo 24 no. 5:90-93 My '62.

BRANDT, ROMAN FEDOROVICH, 1853-1920

Kondrashov, N. A. Roman Fedorovich Brandt. [Moskva] Izd-vo Mosk. univ. [1963] 67 p. (Zamechatel'nye uchenye Moskovskogo universiteta)

BRANDY see subdivision under Azerbaijan

BRATSK HYDROELECTRIC POWER STATION REGION—BLACK FLIES—EXTERMINATION

Experimental use of antilarval measures in the control of black flies (Diptera, Simuliidae) along the Angara River at the construction site of the Bratsk hydroelectric Power Station; a preliminary report [with summary in English]. L. V. Timofeeva and others. Med. paraz. i parazit. bol. 32 no. 1:65-71 Ja-F '63.

BRATSK RESERVOIR REGION—FROZEN GROUND

Permafrost in the area adjacent to Bratsk Reservoir [with summary in English]. T. N. Leshchikov. Geol. i [illegible] 4-74 '63.

the financial condition of Brazil. [illegible] ed. 21 no. 9:75-85 S '63.

colonial plantations in the primary [illegible]al in Western Europe; based on [illegible]ilian history. B. I. Koval'. Sred. [illegible] '63.

NGRESSES

n Conference of Brazilian Women [illegible]lia. Vsem. prof. dvizh. no. 7/8.

ing of dicarboxylic acids in bread, [illegible]hleb. i kond. prom. 7 no. 9:1-5 S

avor on the dough preparation [illegible] A. IA. Kovalenko. Khleb. i kond. [illegible] '63.

BREAM see subdivision under Azov, Sea of, Don River, Volga Reservoir

BREAST—CANCER

Method and technique of roentgenography of the breast in malignant tumors [with summary in English]. P. D. Khazov. Med. rad. 7 no. 12:25-27 D '62.

Preoperative irradiation in cancer of the breast by intratissular administration of colloidal radioactive gold [with summary in English]. A. V. Kontin and others. Med. rad. no. 1 21-32 '63.

BREAST—RADIOGRAPHY

Method and technique of roentgenography of the breast in malignant tumors [with summary in English]. P. D. Khazov. Med. rad. 7 no. 12:25-27 D '62.

BRECHT BERTOLT, 1898-1956

Image and thought; remarks on the works of Bertolt Brecht. I. I. Reiderman. Uch. zap. Perm. gos. un. 23 no. 2:102-113 '62.

BREMSSTRAHLUNG

Use of bremsstrahlung in studying the phase composition of a steam-water mixture in a heated tube. Z. L. Miropol'skii, R. I. Shnerova. Teplofiz. vys. temp. 1 no. 1 112-117 Jl-Ag '63.

BREMSSTRAHLUNG—MEASUREMENT

Comparison of absolute energy measurements in a beam of bremsstrahlung conducted in laboratories of various countries. A. P. Komar, S. P. Kruglov, I. V. Lopatin. Zhur. eksp. i teor. fiz. 45 no. 3:824-825 S '63.

BREST PROVINCE—STOCK AND STOCKBREEDING—FINANCE

The state farm has become profitable. V. I. Vallit. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7 30-32 Jl '63.

BREWERIES—AIR CONDITIONING

Repeated utilization of feed water in pneumatic malt kilns. Spirt. prom. 28 no. 6:41-42 '62.

BREWING

Intensity of beer wort fermentation by the Saech. Carlsbergensis strain 776 as recorded by daily fermentation data. E. V. Litvinova, E. B. Bobikov. Trudy TSentr. nauch.-issl. piv., bezalk. i vin. prom. no. 9 46-48 '62.

Some characteristics of yeast cell multiplication under the conditions of continuous fermentation. M. T. Denshchikov, S. S. Rylkin, A. M. Zhvitblianskaia. Trudy Tsentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no. 9:22-32 '62.

Using the method of selection from the production for the isolation of the active strains of brewer's yeast. E. V. Litvinova, E. V. Bobikov. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no. 9:43-45 '62.

BREWING INDUSTRY

Interplant pneumatic conveying. V. L. Buravlev. Spirt. prom. 28 no. 6:22-24 '62.

BREWING INDUSTRY—EQUIPMENT AND SUPPLIES

Enamel paint for coating fermentation and storage tanks. A. E. Aslanov, M. N. Mattiukov, A. R. Neistat. Spirt. prom. 28 no. 6:30-31 '62.

Unit for continuous beer cooking and brewing. A. I. Fel'dman. Spirt. prom. 28 no. 6:43-44 '62.

BREWING INDUSTRY—LABOR PRODUCTIVITY

Make better use of the productive capacity. M. M. Grigor'ev. Spirt. prom. 28 no. 6:39-41 '62.

BREWING INDUSTRY—PRODUCTION STANDARDS

Analyzing the fulfillment of production norms by the method of comparable indices. A. I. Guzenberg. Spirt. prom. 29 no. 6 29-30 '63.

BRIANTSEV, ALEKSANDR VASIL'EVICH, 1910-1963

Aleksandr Vasil'evich Briantsev. Torf. prom. 40 no. 6: 38 '63.

BRIDGE CIRCUITS

Design of equal-arm measuring bridges with resistance converters. M. L. Zaitsev and others. Sbor. trud. TSNIICHM no. 30:136-144 '63.

BRIDGES

Erecting a bridge in winter from the infantry-support tank unit supply depot. D. Prokof'ev. Voen. vest. 42 no. 11:91-92 N '62.

Russia (1917- R.S.F.S.R.) Ministerstvo kommunal'nogo khoziaistva. [New equipment for housing and communal services; city road and bridge systems and transportation] Novaia tekhnika zhilishchno-kommunal'nogo khoziaistva; gorodskoe dorozhno-mostovoe khoziaistvo i transport. Nauchno-tekhnicheskii informatsionnyi sbornik. Moskva, Izd-vo MKKh RSFSR.
No. 2. 1963. 158 p.

BRIDGES—DESIGN AND CONSTRUCTION

Norms for the design of bridge supports require revision. A. IA. Zhuravlev. Avt. dor. 26 no. 9:32 S '63.

BRIDGES—FOUNDATIONS AND PIERS see subdivision under Dnepropetrovsk

BRIDGES, CONCRETE

Bridges of reinforced concrete slabs. N. A. Tkachenko, V. V. Khrostilkov. Avt. dor. 26 no. 9 26-27 S '63.

Chumakov, IU. L. [Concrete work] Betonnye raboty. Moskva, Avtotransizdat, 1963. 58 p.

Gibshman, E. F. [New developments in the construction of reinforced-concrete bridges] Novoe v stroitel'stve zhelezobetonnykh mostov, konferentsiia po zhelezobetonnym mostam v Smolenitse. Moskva, Avtotransizdat, 1963. 49 p.

BRIQUETS

Briquetting metal chips. A. I. Dobrianskii. Vest. mashinostr. 43 no. 9 82-85 S '63.

BRIQUETS (FUEL)

(see also subdivision under Karaganda Basin)

Adoption of the technological layout for peat briquetting in the "Vertelishki" Plant. V. M. Naumovich and others. Torf. prom. 40 no. 4:22-25 '63.

Consolidate the research work on peat briquetting. I. S. Galynker. Torf. prom. 40 no. 4:29-30 '63.

Manufacture of strong briquets from the lignin of cotton hulls. M. G. Bulynko, O. A. TSepliaev. Gidroliz. i lesokhim. prom. 16 no. 6 12-13 '63.

Peat compression under vacuum. O. A. TSepliaev. Torf. prom. 40 no. 5:15-18 '63.

Some problems in the development of peat briquet production. B. N. Bragin, V. I. Vasil'ev, A. I. Rozhnov. Torf. prom. 40 no. 4:30-31 '63.

Urgent problems in peat briquet manufacture. G. B. Froishteter. Torf. prom. 40 no. 4:28-29 '63.

BRITAEV, ELBASDUKO, 1884-1923

Concrete analysis versus a scheme. G. Apresian. Vop. lit. 7 no. 9:224-230 S '63.

BRITISH GUIANA—POLITICS AND GOVERNMENT

Imperialist intrigues in British Guiana. I. Koks. Mezhdunar. zhizn' 10 no. 10 94-99 O '63.

BRITVAN, IAKOV MORONOVICH, 1903-

IAkov Moronovich Britvan, on his 60th birthday. Pat. fiziol. i eksp. terap. 7 no. 2 87 Mr-Ap '63.

BRNO—MINING EQUIPMENT—EXHIBITIONS

Foreign mining equipment at the Fourth International Fair in Brno. D. V. Shishkov. Shakht. stroi. 7 no. 10 30-32 O '63.

BROACHING MACHINES

Factors affecting the cutting of the temperature during the broaching of cast iron with hard-alloy broaches. S. I. Zhitnitskii. Stan. i instr. 34 no. 8:30 Ag '63.

BROMINE IN THE BODY

Biological role of bromine [with summary in English]. E. S. Turetskii. Vrach. delo no. 7:113-118 Jl '63.

BROMINE ISOTOPES

Role of high energy reactions in the processes of stabilization of bromine 82 hot atoms in alkyl bromides. An. N. Nesmeianov, E. S. Filatov. Radiokhimiia 5 no. 3:378-389 '63.

BRONCHI

Vascular and bronchial topography of the right lung. A. G. Orlov. Grud. khir. 4 no. 6:55-59 N-D '62.

BRONCHI—ABNORMITIES AND DEFORMITIES

Tracheal bronchus in a patient with multiple abscesses of the right lung. I. A. Gontsov. Zdravookhranenie 6 no. 2 59 Mr-Ap '63.

BRONCHI—DISEASES

Segmental and combined resections of the lungs in bronchiectasis [with summary in English]. V. R. Ermolaev. Grud. khir. 4 no. 6:59-66 N-D '62.

BRONCHI—FOREIGN BODIES

Forceps for the removal of screws from the bronchi in children. M. P. Mezrin. Zhur. ush., nos. i gorl. bol. 23 no. 4:92-93 Jl-Ag '63.

BRONCHI—RADIOGRAPHY

Review of E. Bernard and B. Gamain's book "Clinical bronchography" [in French]. I. D. Korabel'nikov, B. K. Sharov. Vest. rent. i rad. 38 no. 1:81-83 Ja-F '63.

BRONCHI—TUMORS

Middle lobectomy with wedge-shaped resection of the intermediate bronchus [with summary in English]. A. P. Kurimichev, I. A. Maksimova. Vest. khir. 90 no. 3 24-30 Mr '63.

BRONCHIECTASIS

Indications and contraindications for surgical treatment of bronchiectasis [with summary in English]. V. R. Ermolaev. Vest. khir. 90 no. 3:19-24 Mr '63.

Resection of the lungs in bilateral bronchiectasis [with summary in English]. B. A. Korolev, M. B. Shmerel'son. Vest. khir. 90 no. 3:11-18 Mr '63.

BRONCHITIS

Disorders in pulmonary ventilation in patients with chronic bronchitis and heart defects [with summary in English]. IA. N. Dotsenko. Vrach. delo no. 7:38-41 Jl '63.

BRONZE AGE see subdivision under Kazakhstan

BRONZES see subdivision under Volyn' Province

BROOMRAPE

Breeding sunflower for resistance to broomrape. V. S. Pustovoit, G. V. Pustovoit. Zashch. rast. ot vred. i bol. 8 no. 1:15-17 Ap '63.

BRUCELLA

Numerical turbidity equivalent for suspensions of brucellosis bacteria. B. A. Fikhman, N. I. Braude. Zhur. mikrobiol., epid. i immun. 40 no. 1 120-123 '63.

BRUCELLOSIS

A case of brucellar etiology of meningitis. N. I. Solenov. Zdrav. Kazakh. 23 no. 2:73-74 '63.

Detection of the source of brucellosis infection by laboratory examination of milk. G. I. Landik, M. K. IAnchenko. Zhur. mikrobiol., epid. i immun. 40 no. 1:79-83 '63.

Protect yourself from brucellosis infection. A. Golubeva. Okhr. truda i sots. strakh. 6 no. 8 26-29 Ag '63.

BRUCELLOSIS IN SHEEP—PREVENTIVE INOCULATION

Immunity of sheep inoculated with strain No. 19 vaccine. G. G. Cheremisin, L. G. Ivanova, O. I. Rastorgueva. Veterinariia 39 no. 11:37-38 N '62.

BRÜNN see Brno

BRUSHES, ELECTRIC

Experimental data on the use of electrical brushes with increased current density in a slide contact. P. S. Livshits. Elektrichestvo no. 8:73-76 Ag '63.

BRYANSK—INDUSTRIAL HYGIENE

Results of the prophylactic work of a medicosanitary section. K. S. Velichko. Zdrav. Ros. Feder. 7 no. 8 28-29 Ag '63.

BRYANSK PROVINCE—ECONOMIC CONDITIONS

Bryansk (Province). Upravlenie vnutrennikh del. Arkhivnyi otdel. [Reconstruction of the economy of the Bryansk Government, 1921-1925] Vosstanovlenie narodnogo khoziaistva Briankskoi gubernii, 1921-1925 gody; sbornik dokumentov i materialov [Briansk] Briankskii rabochii," 1960. 613 p.

(MH)

BRYANSK PROVINCE—LITERARY SOCIETIES

A literary association as a school of mastery. A. Kozin. Part. zhizn' no. 13:62-64 Jl '63.

BRYANSK PROVINCE—WOOL INDUSTRY—FINANCE

Why the wool factories of Bryansk Province don't make payments to the budget. N. Kazaletov. Den. i pred. 21 no. 9:36-39 S '63.

BUBBLE CHAMBER

Budagov, IU. A., and others. [Gas hydrodynamic design of the mechanism of pressure variation in a large-scale bubble chamber] Gidrogazodinamicheskii raschet mekhanizma izmeneniia davleniia bol'shoi puzyr'kovoi kamery. Dubna, Izd-vo Ob'edinennyi in-t iadernykh issledovanii, 1963. 16 p. (With summary in English)

BUCHAREST—ART GALLERIES AND MUSEUMS

Activities of the Folk Art Museum of the Rumanian Peoples Republic. Tancred Banatianu. Mat. po etn. Gruz. no. 12/13:179-185 '63.

BUCKWHEAT BREEDING

Heterostylism and the possibility of developing buckwheat hybrids. A. F. Bober. Visnyk sil'hosp. nauky 6 no. 9: 43-48 S '63.

BUDAPEST—MACHINE-TOOL INDUSTRY

Scientific session of the Budapest Research Institute of the Development of the Machine-Tool Industry. Stan. i instr. 34 no. 8:37-38 Ag '63.

BUDAPEST—MACHINE TOOLS

High-duty automatic line for machining electric-motor bodies. Stan. i instr. 34 no. 8:34-35 Ag '63.

BUDAPEST—VIEWS

[Budapest] Budapesht. [2., ispr. izd. Budapest] Izd-vo Korvina, 1959. 1 v. (chiefly illus.). (Vengriia v fotosnimkakh)

BUDGET see subdivision under Turkmenistan

BUDS

Changes in the growth of buds in dioecious plants of the willow Salix acutifolia L. E. G. Minina, I. S. Chernyakh. Biul. MOIP. Otd. biol. 68 no. 5:51-58 S-O '63.

BUFFALOES AS CARRIERS OF DISEASE see subdivision under Georgia

BUILDING

(see also subdivision under Italy; Moscow)

Dutko, I. A. [Construction work] Stroitel'nye raboty. Kiev, Gosstroiizdat URSR, 1963. 310 p.

"The history of building practices" by N. N. Alstov and others. Reviewed by A. Vlasiuk, G. Shcherbo. Arkhit. SSSR no. 5:61-63 '63.

BUILDING—BIBLIOGRAPHY see Bibliography—Building

BUILDING—CONTRACTS AND SPECIFICATIONS

In the Central Committee of the trade union. B. K. Sedunov. Neftianik 8 no. 2:25 F '63.

BUILDING—DETAILS

New kind of bearing element for structural units. A. S. Pal'chevskii. Prom. stroi. 40 (i.e. 41) no. 7 54-55 Jl '63.

BUILDING—ESTIMATES

Estimates problems. Ekon. stroi. no. 9:55-56 S '63.

BUILDINGS—PROBLEMS, EXERCISES, ETC.

Pentkovskii, N. I. [Collection of problems on the carrying out of construction work] Sbornik zadach po proizvodstvu stroitel'nykh rabot. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 233 p.

BUILDING—SAFETY APPLIANCES

Design of protective helmets for power plant construction workers. N. IA. Turchin. Energetik 11 no. 8:39-41 Ag '63.

BUILDING—SAFETY MEASURES

Akademiia stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Methodological instructions for treating problems of safety engineering and industrial hygiene in plans for the organization of construction and work output] Metodicheskie ukazaniia po razrabotke voprosov tekhniki bezopasnosti i proizvodstvennoi sanitarii v proektakh organizatsii stroitel'stva i proizvodstva rabot. Moskva, Gosstroiizdat, 1963. 53 p.

Riazantsev, K. G. [Public control of labor safety in construction and in enterprises of the building materials industry] Obshchestvennyi kontrol' po okhrane truda v stroitel'stve i na predpriiatiiakh promyshlennosti stroimaterialov. 2., pererab. i dop. izd. Moskva, Gosstroiizdat, 1963. 165 p.

Soul of the brigade. A. Eremenko, P. Kolesnikov. Okhr. truda i sots. strakh. 6 no. 8:27 Ag '63.

BUILDING AND LOAN ASSOCIATIONS

Laws on cooperative residential building associations. I. Gurevich, TS. Bychkova. Sots. zakon. 10 no. 8:55-59 Ag '63.

BUILDING LAWS

Civil law problems relating to the participation of workers and employees in the construction of residential buildings by industrial enterprises and governmental agencies. M. P. Ring. Sov. gos. i pravo no. 10:105-112 O '63.

How we carry out the decree on the confiscation of houses and summer cottages built and purchased on unearned income. Sov. deput. trud. no. 9:98-99 S '63.

"Legal problems concerning the joint construction of residential buildings" by T. M. Lisnychenko. V. Chyhyr. Rad. pravo no. 3:141-143 My-Je '63.

New norms. Pozh. delo 9 no. 7:32 Jl '63.

BUILDING MACHINERY see Construction equipment

BUILDING MATERIALS

Across our homeland. V. Holovyns'kyi, IU. Vilens'kyi. Znan. ta pratsia no. 3:22 Mr '63.

Babushkin, V. I., and O. P. Mchedlov-Petrosian. [Silicate water-resistant products] Silikatnye vodostoikie izdeliia. Kiev, Gosstroiizdat USSR, 1962. 98 p.

Brief news. Arkhit. SSSR no. 5:63 '63.

Experience in the use of plastics in construction. A. N. Nikolaev and others. Plast. massy no. 10:55-59 '63.

Kokin, A. D. [New techniques in the finishing of buildings] Novoe v otdelke zdanii. [Moskva] Mosk. rabochii, 1963. 63 p.

Tolstykh, N. N., and M. P. Feigin. [Clayey string] Glinianyi shnur. Tambov, Tambovskoe knizhnoe izd-vo, 1962. 12 p. (Bibliotechka novatora, no. 2)

BUILDING MATERIALS—TRANSPORTATION

Increase the production of rock materials for building needs. A. Ponomarev. Rech. transp. 22 no. 9:17-18 S '63.

BUILDING MATERIALS INDUSTRY

(see also subdivision under Ukraine)

In the State Committee of the building materials industry. Stroi. mat. 9 no. 9:21-22 S '63.

Review of the fulfillment of the plan by the building materials industry. Stroi. mat. 9 no. 9:3-4 S '63.

Source of our strength and our achievements. Stroi. mat. 9 no. 9:1-3 S '63.

BUILDING MATERIALS INDUSTRY—HYGIENIC ASPECTS

Our work. A. Navarenko. Okhr. truda i sots. strakh. 6 no. 8:29 Ag '63.

BUILDING MATERIALS PLANTS—SAFETY REGULATIONS

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Rules SN 237-63 for safety engineering and industrial hygiene for enterprises in the production of keramzit and agloporite] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarii na predpriiatiiakh po proizvodstvu keramzita i agloporita (SN 237-63). Moskva, Gosstroiizdat, 1963. 27 p.

BUILDING RESEARCH

Kinds of publications of scientific and technological information on building and architecture and a list of organizations having the right to publish them in 1963. NPI no. 3 11-12 '63.

BUILDING SITES

Methods of creating, locating and fixing a geodetic control network in construction. E. A. Fask. Prom. stroi. 40 [i. e. 41] no. 9:43-46 Je '63

BUILDING STONES

Finishing of stone products with polymeric resins. E. P. Sidorov, Y. G. Sorochishin. Stroi. mat. 9 no. 9 39-40 S '63.

BUILDINGS—DRYING

Heater for warming and drying buildings. P. P. Gedeonov, F. A. Chaus. Mekh. stroi. 20 no. 10 24 O '63.

Lightweight heater for drying buildings. Yu. P. Pribaltiiskii. Mekh. stroi. 20 no. 10:23-24 O '63.

BUILDINGS, PREFABRICATED

Akademiia stroitel'stva i arkhitektury SSSR. TSentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture. [Mechanization and automatization of factories producing precast reinforced concrete and the assembling of large-panel buildings] Mekhanizatsiia i avtomatizatsiia na zavodakh sbornogo zhelezobetona i montazh krupnopanel'nykh zdanii. Moskva, Gosstroiizdat, 1963. 82 p.

Shagin, P. P. [Stability of prefabricated buildings on sagging soils] Prochnost' sbornykh zdanii na prosadochnykh gruntakh. Leningrad, Gosstroiizdat, 1963. 119 p.

BUILT-IN FURNITURE

Wardrobes from chipboards serving as partitions. B. M. Merzhanov. Der. prom. 12 no. 1 18-20 Ap '63.

BUKOV, EMILIAN, 1909-

Maiakovskii and the poetry of Bukov up to 1940. V. A. Shvachkin. Uch. zap. Perm. gos. un. 23 no. 2 166-211 '62.

BUKOVINA—FIELD CROPS

Seed quality. A. K. Medvedovskii. Zemledelie 26 no. 8: 68-69 Ag '63.

Three harvests. M. P. Ruzhets'kyi. Nauka i zhyttia 13 no. 7 41 Jl '63.

BUKOVINA—FIRE PREVENTION—INSPECTION

Taking the road again. P. Savchenko. Pozh. delo 9 no. 9 25 S '63.

BUKOVINA—HEALTH EDUCATION

Mass hygienic instruction of rural population. B. Drobnis. Zdrav. Ros. Feder. 7 no. 8 24-25 Ag '63.

BUKOVINA—HISTORIOGRAPHY

Popular works on the history of Bukovina. R. P. Rostykus. Ukr. ist. zhur. 7 no. 4 129-130 Jl-Ag '63.

BUKOVINA—SOIL FUNGI

New soil fungi. O. P. Kamyshko. Bot. mat. Otd. spor. rast. 16:95-99 '63.

BUKOVINA—STUDENT TEACHING

Good traditions of pedagogical practice. I. I. Bobylians'kyi, I. I. Myrnyi. Rad. shk. 42 no. 9:86-87 S '63.

BULANASH-YELKINA REGION—COAL GEOLOGY

Regularities in the distribution of coal types in the Bulanash-Yelkina coal region. I. I. Kostarev. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 3:3-12 '63.

BULGARIA—ARMY—PERIODICALS

The periodical "Armeiski pregled" is ten years old. A. IAkovlev. Voen. vest. 43 no. 9:65-66 S '63.

BULGARIA—COOPERATIVE SOCIETIES

Cooperative societies serve the development of socialism. G. Iordanov. Sov. potreb. koop. 7 no. 9:47-49 S '63.

BULGARIA—ECONOMIC ASSISTANCE, RUSSIAN

Bulgarian experience and Peking theories. Z. Mirskii. Nov. vrem. 21 no. 38:8-10 S '63.

BULGARIA—ECONOMIC CONDITIONS

Bulgarian experience and Peking theories. Z. Mirskii. Nov. vrem. 21 no. 38 8-10 S '63.

BULGARIA—EDUCATION

Soviet educators in the Bulgarian People's Republic. Sov. pedag. 27 no. 8 158-160 Ag '63.

BULGARIA—GEOPHYSICS

Comprehensive geological interpretation of gravitational, magnetic, and seismic data on the territory of Bulgaria. Part 2. T. Dobrev, S. Pishchalov. Vest. Mosk. un. Ser. 1 Geol. 18 no. 4 56-68 Jl-Ag '63.

BULGARIA—NEWCASTLE DISEASE—PREVENTIVE INOCULATION

New vaccine against Newcastle disease. Kh. Rusev. Veterinariia 39 no. 9:46-47 S '62.

BULGARIA—OIL INDUSTRIES

Oils and fats industry of the Bulgarian People's Republic. K. Lukanov. Maslob.-zhir. prom. 29 no. 8 31-33 Ag '63.

BULGARIA—PROSPECTING—GEOPHYSICAL METHODS

Deep-seated structure of the Mizia Platform and adjacent areas from geological and geophysical data. T. B. Dobrev, S. S. Pishchalov. Prikl. geofiz. no. 37 109-128 '63.

BULGARIA—PUBLIC HEALTH, RURAL

Some problems of rural public health service in the Bulgarian People's Republic. A. M. Berezovskaia, P. P. Grabovskii. Vrach. delo no. 9 122-124 S '63.

BULGARIA—RELATIONS (GENERAL) WITH RUSSIA

Soviet educators in the Bulgarian People's Republic. Sov. pedag. 27 no. 8 158-160 Ag '63.

BULGARIA—TECHNICAL SOCIETIES

Scientific and technological societies in Bulgaria. I. Vidanov. NTO 5 no. 8 58-59 Ag '63.

BULGARIAN LANGUAGE—DIALECTS

Meaning of expressions; according to materials of a Bulgarian dialect. N. V. Kotova. Vest. Mosk. un. Ser. 7: Filol., zhur. 18 no. 4, 71-80 Jl-Ag '63.

BULGARIAN LITERATURE—HISTORY AND CRITICISM

Bulgarian literature "in the American fashion." V. Kolevski. Vop. lit. 7 no. 8:139-143 Ag '63.

BULGARIAN PERIODICALS

"Literaturna misl" [] discusses the problem of Bulgarian literary contacts with the Soviet Union. I. M. Honcharuk. Rad. lit. 7 no. 3 95-98 My-Je '63.

BUNT (DISEASE OF WHEAT) see Smuts

BUOYS

Use of deep-water anchors for erecting buoy stations in the ocean. I. D. Zykov. Meteor. i gidrol. no. 9 51-52 S '63.

BURNS AND SCALDS

Acid-base equilibrium in hemorrhage combined with burns [with summary in English]. N. V. Lunina. Pat. fiziol. i eksp. terap. 7 no. 1 28-31 Ja-F '63.

Changes in mineral and protein metabolism in calcified tissues following thermal burns [with summary in English]. B. L. Movshev. Pat. fiziol. i eksp. terap. 7 no. 2 58-62 Mr-Ap '63.

Clinicohematological and morphological changes in a combination of lesions treated with a rapidly congealing plastic mass [with summary in English]. I. S. Kasatianov and others. Vrach. delo no. 9, 84-88 S '63.

Experimental therapy of thermal burns of the upper respiratory tracts and the lungs [with summary in English]. P. IA. Lokot' and others. Pat. fiziol. i eksp. terap. 7 no. 1 23-28 Ja-F '63.

Histological changes in the human skin after thermal burns. L. B. Berlin. Vest. derm. i ven. 37 no. 1 10-15 Ja '63.

Immunotherapy and dermatoplasty in combined burns [with summary in English]. M. A. TSukerman and others. Pat. fiziol. i eksp. terap. 7 no. 1 19-23 Ja-F '63.

Nonspecific role of internal inhibition in the change of leucocyte reactions to different stimuli [with summary in English]. V. V. Suchkov. Pat. fiziol. i eksp. terap. 7 no. 2 54-57 Mr-Ap '63.

BURYAT—MONGOLIA—SHAMANISM

Some reasons for the surviving traces of shamanism among the Buryats. T. M. Mikhailov. Vest. Mosk. un. Ser. 9 Ist. 18 no. 2 45-51 Mr-Ap '63.

BURYAT A. S. S. R.—ECONOMIC CONDITIONS

[Buryatia strides toward the future] Buriatiia shagaet v budushchee. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963. 138 p.

BURYAT A. S. S. R.—EDUCATION

Buriat A. S. S. R. Ministerstvo prosveshchenila. [Public education in the Buryat A. S. S. R.] Narodnoe obrazovanie v Buriatskoi ASSR. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1960. 231 p.

[MICROFILM]

BURYAT A. S. S. R.—LARCH

Preparing and floating larch lumber in the Buryat A. S. S. R. S. Morozov. Les. prom. 40 no. 9:15-16 S '62.

BURYAT A. S. S. R.—LUMBER—TRANSPORTATION

Preparing and floating larch lumber in the Buryat A. S. S. R. S. Morozov. Les. prom. 40 no. 9:15-16 S '62.

BURYAT A. S. S. R.—SATIRISTS

Satirists of Buryatia. V. Maliuganov. Sov. pech. no. 6: 44 Ag '63.

BURYAT LITERATURE—HISTORY AND CRITICISM

Young literature of socialist realism. M. Parkhomenko. Vop. lit. 7 no. 9:220-224 S '63.

BURYATS—CRANIOLOGY see subdivision under Baikal Lake region

BUS CONDUCTORS (ELECTRICITY)

Closed coupling of wires with bus conductors. V. I. Borcheko. Prom. energ. 18 no. 9 35-37 S '63.

BUTADIENE

Copolymerization of 1, 3-butadiene with 2, 3-dimethyl-1, 3-butadiene in the presence of various ion-type catalysts. L. S. Bresler and others. Dokl. AN SSSR 151 no. 6 1322-1325 Ag '63.

Preparation of latexes by copolymerization of vinylidene chloride with butadiene and 2-methyl-5-vinylpyridine at low temperature, and some of their properties. P. A. Kirpichnikov, I. V. Kornei. Trudy KKHTI no. 30 174-177 '62.

BUTADIYNE

Course of the reactions in which electrophilic and nucleophilic reagents are added to asymmetrical homologs of diacetylene. A. A. Petrov, IU. I. Porfir'eva, I. P. Sokolov. Dokl. AN SSSR 151 no. 6:1313-1316 Ag '63.

BUTANE

Optimizing the process of butane dehydration in a fluidized bed. A. A. Abdullaev and others. Mekh. i avtom. proizv. 17 no. 8:6-7 Ag '63.

BUTENYNE—TOXICOLOGY

Determination of the monovinylacetylene threshold concentrations exerting irritating action on animals and man. M. S. Gizhlarian. Zhur. eksp. i klin. med. 3 no. 2:81-87 '63.

BUTSEN', OLEH

"Isn't it so?" by Oleh Butsen'. Reviewed by IU. Kravchenko. Doshk. vykh. 21 no. 5 45 My '63.

BUTURLINO (GORKIY PROVINCE)—MEDICAL SOCIAL WORK

That is his disposition. A. Safronova. Sov. Kras. krest. 13 no. 2 10 Mr-Ap '61.

BUTYL ETHER

Extraction of complex acids with oxygen-containing solvents. Part 2. Calculating the equilibrium constants of antimony (V) hydrolysis in solutions of hydrochloric acid and investigating the mechanism of its extraction with di-n-butyl ether. B. Z. Iofa, G. M. Dikar. Radiokhimiia 5 no. 1 490-496 '63.

BUTYL PHOSPHATES

Demixing in the system HCl - H_2O - tri-n-butyl phosphate - diluent. E. M. Indikov and others. Zhur. neorg. khim. 8 no. 9 2187-2189 S '63.

Donor properties of phosphoryl and ester oxygen in tributyl phosphate. O. A. Osipov, V. I. Galvoronskii, A. A. Shvets. Zhur. neorg. khim. 8 no. 9:2190-2193 S '63.

Extraction of uranium (IV) from nitric acid media by tri-n-butyl phosphate. A. P. Smirnov-Averin, G. S. Kovalenko, N. N. Krot. Zhur. neorg. khim. 8 no. 10: 2400-2405 O '63.

Infrared spectra of thorium, zirconium, and uranyl complex compounds with 8-oxin and tributyl phosphate. V. I. Galvoronskii, O. A. Osipov, R. R. Shaglakhtin. Radiokhimiia 5 no. 2:244-248 '63.

Preparation of carrier-free $UX_1(Th^{234})$ by the extraction method. IU. A. Afanas'ev, A. I. Riabinin. Radiokhimiia 5 no. 1:520-521 '63.

BYKHOVSKII, MIKHAIL ARONOVICH, 1882-1962

Mikhail Aronovich Bykhovskii, an obituary. Vest. rent. i rad. 38 no. 1 86 Ja-F '63.

BYLINY

Rybakov, B. A. [Old Russia, legends, bylins, chronicles] Drevniaia Rus', skazaniia, byliny, letopisi. [Moskva] Izd-vo Akad. nauk SSSR, [1963] 356 p.

BYZANTINE EMPIRE

Political struggle in the Byzantine Empire in the late 11th and the early 12th century. A. P. Kazhdan. Vop. ist. 38 no. 9:185-186 S '63.

CABBAGE—DISEASES AND PESTS see subdivision under Moldavia

CABINETWORK—QUALITY CONTROL see subdivision under United States

CABLES

Loads on the cable in inclined holes. V. N. Dakhnov, D. A. Shapiro. Trudy MINKHiGP no. 41:238-241 '63.

CABLEWAYS

(see also subdivision under Carpathia Mountains)

New constructive solutions are indispensable. A. Apanovich, V. Martynikhin, A. Gritskevich. Les. prom. 41 no. 7:19-21 Jl '63.

CADMIUM

Modulation of scattered light by parametric resonance [with summary in English]. L. B. Aleksandrov and others. Zhur. eksp. i teor. fiz. 45 no. 3:503-510 S '63.

CADMIUM—ANALYSIS

Determination of cadmium by the pyridine-thiocyanate method A T Malunina. Trudy KKHTI no. 30:193-197 '62

CADMIUM—ELECTROMETALLURGY

Electrolytic deposition of cadmium in the form of compact cathode deposits. L.I. Dzilev. TSvet. met. 36 no. 9:47-48 S '63.

CADMIUM—METALLURGY

Hydrometallurgical treatment of fused thio salts and cadmium sublimates from the smelting of shaft furnace dusts with sodium sulfate. I.R. Polyvianyi, V.D. Salat'eva. Trudy Inst. met. i obog. AN Kazakh SSR 6:130-137 '63.

CADMIUM COMPOUNDS

Stability of chloride complexes of lead, bismuth, and cadmium. V.E. Mironov, V.A. Fedorov, V.A. Nazarov. Zhur. neorg. khim. 8 no. 9:2109-2112 S '63.

CADMIUM SALTS

Reactions of sodium borohydride with solutions of cadmium salts. K.N. Mochalov, T.I. Bashkirova. Trudy KKHTI no. 30 178-184 '62.

CADMIUM SELENIDE CRYSTALS—PHOTOELECTRIC PROPERTIES

Analysis of the phenomenon of photocurrent pulse generation by cadmium selenide crystals. V.L. Vinetskii, I.P. Konozenko, S.I. Shakhovtsova. Fiz. tver. tela 5 no. 9:2698-2702 S '63.

Excitation spectra of the photoconduction of CdS and CdSe single crystals. F.I. Kreingol'd. Fiz. tver. tela 5 no. 9:2428-2431 S '63.

CADMIUM SULFIDE

Effect of the conditions of producing thin cadmium sulfide films on their crystalline structure. K.V. Shalimova and others. Kristallografiia 8 no. 5 774-777 S-O '63.

CADMIUM SULFIDE CRYSTALS—DEFECTS

Distortions in cadmium sulfide crystals due to radiation. O.B. Nikanova, M.A. Kaneev. Fiz. tver. tela 5 no. 9:2731-2733 S '63.

CADMIUM SULFIDE CRYSTALS—PHOTOELECTRIC PROPERTIES

Excitation spectra of the photoconduction of CdS and CdSe single crystals. F.I. Kreingol'd. Fiz. tver. tela 5 no. 9:2428-2431 S '63.

CAFFEINE

Influence of drug-induced anesthesia and the action of caffeine on the effectiveness of antibiotics in experimental bacterial intoxications. V.N. Derkach. Zdravookhranenie 6 no. 2 14-17 Mr-Ap '63

CAISSONS

Semenov-Tian-Shanskii, R.V. [Designing caisson docks] Proektirovanie kesson-dokov. Leningrad, Sudpromgiz, 1963. 61 p.

CAKE

Preparation of a charlotte cream filling. M.IA. Antopol'skaia, F.F. Rumiantseva, A.I. Khaenko. Khleb. i kond. prom. 7 no. 9:12-14 S '63.

CALCIFICATION

Case of calcification of a benign gastric tumor. A.I. Kareva. Vest. rent. i rad. 38 no. 1, 66 Ja-F '63

Mucinous cancer of the large intestine with calcification. O.N. Kashintsev. Vest. rent. i rad. 38 no. 1 73-74 Ja-F '63

CALCITE CRYSTALS

Strengthening of calcite following multiple twinning. R.I. Garber, E.I. Stepina. Fiz. tver. tela 5 no. 8:2656-2662 S '63.

CALCIUM CARBONATE

Isomorphic mixability in the series $CaCO_3$-$MnCO_3$ [with summary in English]. V.I. Pavlishin, M.M. Slivko. Min. shor. no. 16:445-440 '62

CALCIUM CHROMITE—THERMODYNAMIC PROPERTIES

Calculation of the thermodynamic characteristics and conditions for the reduction of magnesium and calcium chromites. I.A. Novokhatskii. Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 2:3-8 Mr-Ap '63.

CALCIUM FLUORIDE

Formation of anomalous mixed crystals of CaF_2 - CeF_3 and CaF_2 - YF_3 during the crystallization of calcium fluoride from a melt. B.G. Miakishev, V.R. Klokman. Radiokhimiia 5 no. 4:402-411 '63.

CALCIUM IN THE BODY

Changes in the quantity of calcium in blood serum during hemorrhages, thromboses and embolias of cerebral blood vessels. A.V. Stepanian. Zhur. eksp. i klin. med 3 no. 2:97-100 '63.

CALCIUM OXIDES

Effect of gypsum on the hydration and hydration hardening of calcium oxide [with summary in English]. S.I. Kontorovich, E.F. Segalova, P.A. Rebinder. Koll. zhur. 25 no. 5:561-566 S-O '63.

CALCIUM SILICATES

Use of the emanation method in the study of calcium silicate hydrates. K.B. Zaborenko, R. Tetner, T.L. Melikhov. Radiokhimiia 5 no. 3 360-369 '63.

CALCULATING MACHINES

Conference-seminar on the mechanization of calculating operations in forest management. A.G. Moshkalev, L.M. Spitsyn. Les. khoz. 16 no. 3:92 Mr '63

History of calculating devices; materials of the Archives of the Academy of Sciences of the U.S.S.R. Ist.-mat. issl. no. 14:551-586 '61.

Rapoport, M.M. [Calculating machines] Schetnye mashiny. Moskva, Trudrezervizdat, 1959. 148 p. (Biblioteka molodogo rabochego)

Using calculating and tabulating machines in mechanizing design and estimation. A.A. Melkov. Mekh. i avtom. proizv. 17 no. 9:29-32 S '63.

Using computing equipment in accounting and planning in an industrial enterprise. B.O. Kraits, S.G. Pigott, V.S. Romm. Mekh. i avtom. proizv. 17 no. 9:17-20 S '63.

CALCULI, URINARY

Odenov, B.S. [Clinical basis for transperitoneal lithotomy] Klinicheskoe obosnovanie chreznbriushinnogo kamnesecheniia. 2.izd., dop. i perer. Moskva, Medgiz, 1963. 69 p. (DNLM)

Rare asymptomatic case of multiple renal calculi. S.D. Lukatskaia, A.R. Atakishiev. Sud.-med. ekspert. 6 no. 3:56 Jl-S '63

CALCULUS

Blaise Pascal's studies on infinitesimal analysis, on the third centennial of his death. IE.IA. Bakhmutskaia. Ist.-mat. zbii. 3,7-27 '62.

CALCULUS, INTEGRAL

A.M. Liapunov's contribution to Stieltjes's integral theory. F.A. Medvedev. Ist.-mat. issl. no. 14.211-233 '61.

John Wallis's integration methods. F.D. Kramar. Ist.-mat. issl. no. 14:11-100 '61.

CALCULUS OF VARIATIONS

Development of the calculus of variations. A.V. Dorofeeva. Ist.-mat. issl. no. 14.101-180 '61.

One application of Hilbert's independence theorem. I.M. Belen'kii. Prikl. mat. i mekh. 27 no. 5:887-889 S-O '63.

Some problems in the geometrical theory of the second variation in Lagrange's variational problem. P.I. Tokarev. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2.49-51 '63.

Variational problem. S.M. Nikol'skii. Mat. sbor. 62 no. 1 53-75 S '63

CALIBRATION

Error in dynamic calibration in case of variable thermal inertia of compared heat receivers. M.M. Gracvskii. Izm. tekh. no. 8:28-31 Ag '63.

CALIPERS

New method for centering inside calipers. G.B. Kainer. Izm. tekh. no. 5:12-13 My '63.

CALIPHS

Chistiakova, T.A. [Arab caliphate; a teacher's manual] Arabskii khalifat; posobie dlia uchitelia. Moskva, Gos. uchebno-pedagog. izd-vo, 1962. 150 p. fold. map. (NNC)

CALLISTHENICS

(see also subdivision under Riga)

Gusak, Sh.Z. [Working out with dumbbells and exercisers] Uprazhnenita s gantseliami i rezinovymi amortizatorom. Moskva, Voenizdat, 1963.

CALVES—DISEASES AND PESTS

(see also subdivision under Azerbaijan)

Intrauterine infection of calves and the role of it in the sterility of cattle. A.A. Uchaev. Ve 39 no. 11 30-31 N '62.

Tetracycline for the treatment of bronchopneumonia calves. V.A. Lochkarev. Veterinariia 39 72 N '62.

CALVES—FEEDING AND FEEDS see subdivision Kazakhstan

CAMBIUM

Effect of the herbicide 2,4-D on the differentiation of cambium in the annual shoots of the black locust tree of heaven. V.G. Nikolaevskii. Bot. no. 8:1201-1205 Ag '63.

CAMBODIA—NEUTRALITY

On the road of neutrality [with English summary insert]. G. Sochevko. Az. i Afr. segodnia no. 8 S '63.

CAMPS see subdivision under Lithuania

CAMPS (MILITARY)

Camp where I am stationed. Starsh.-serzh. no. 5:20 My '63

CAMS

Livshits, B.L. [Technological processes of the manufacture and assembly of cam mechanisms] Tekhnologiia izgotovleniia i sborki kulachkovykh mekhanizmov. Moskva, Mashgiz, 1963. 160 p.

CANADA—BLASTING

Drifting without excessive breaking of rock. A.M. Faizullin. Gor. zhur. no. 9:69-70 S '63

CANADA—ECONOMIC GEOGRAPHY

Agranat, G.A., A.B. Kupriianov, and V.F. Puzanova. [Population and resources of the American North] Naselenie i resursy Amerikanskogo Severa. Moskva, Izd-vo Akad. nauk SSSR, 1963. 229 p.

CANADA—ECONOMIC CONDITIONS

Faramazian, R.A. [Economy of present-day Canada] Ekonomika sovremennoi Kanady. Moskva, Sotsekgiz, 1963. 222 p.

CANADA—ORE DRESSING

Iron ore dressing plants in the U.S.A. and Canada. S.N. Zubarev. Gor. zhur. no. 9 70-74 S '63

CANADA—PRAIRIES

Methods for studying the effect of grazing in the Canadian mixed prairies. A.V. Kalinina. Bot. zhur. 48 no. 8 1172-1180 Ag '63.

CANADA—RAILROADS—AUTOMATIC TRAIN CONTROL

Automatically operated train. Zhel. dor. transp. 45 no. 5:89 My '63

CANADA—SLAVS

Solidarity of the Slavic population of America with the Soviet people during the Patriotic War. A.M. Shlepakov. Ukr. ist. zhur. 7 no. 4 50-56 Jl-Ag '63

CANALS

Building approach canals to industrial enterprises. E.D. Buchin, V.D. Balashov. Rech. transp. 22 no. 9 23-24 S '63.

Effective methods of digging canals in sandy soils. D. Esenov. Mekh. stroi. 20 no. 9 26-28 S '63.

CANCER

(see also subdivision under Kazakhstan)

Action of the antibiotic, crucin, on cultures of cells of human malignant tumors in vitro (on the method for determining the antiblastomogenic activity of crucin) [with summary in English]. M.I. Lelkina. Antibiotiki 7 no. 7:582-587 Jl '62.

Biochemical approaches to the chemotherapy of cancer. A.K. Belousova. Zhur. VKHO 8 no. 4 113-121 '63.

Book review. V.V. Alpatov. Zhur. VKHO 8 no. 4:474-475 '63.

Cancer cells in circulating blood, a survey of foreign literature. A.P. Dolsenko. Vrach. delo no. 7:80-82 Jl '63.

Combined use of aurantin with other therapeutic methods for patients with malignant neoplasms [with summary in English]. L.M. Nisnevich, S.S. Akopiants. Antibiotiki 7 no. 7:623-626 Jl '62.

Demin, V.N. [Malignant tumors; contemporary methods of treatment and prevention] Zlokachestvennye opukholi; sovremennye metody lecheniia i profilaktika. Leningrad, Medgiz, 1960. 30 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

Dev

CANCER—DIAGNOSIS (Continued)

Reaction of thermal coagulation of the blood plasma as a method of early diagnosis of cancerous and precancerous diseases. IA P.Ol'shitskii Zhur VKHO 8 no 4 471-473 '63.

CANCER RESEARCH

Characteristics of the surface of normal and tumorous cells IU M Vasil'ev, A.G Malenkov Zhur VKHO 8 no 4 394-402 '63

Correlation of the nucleus and cytoplasm and the problem of cellular differentiation A A Neifakh Zhur.VKHO 8 no.4 403-412 '63.

Cytogenesis of tumors E E Pogosiants. Zhur. VKHO 8 no.4 449-458 '63.

Immunochemistry of tumors G I. Abelev Zhur VKHO 8 no.4 459-467 '63

Molecular mechanisms of the ontogenesis and the problem of cancer. Zh A. Medvedev. Zhur. VKHO 8 no.4 384-394 '63

Review of the book "Radiolog. radiation therapy, nuclear medicine, and cancer research" [in German] A A Kozlova Vest rent i rad 38 no 1 83-84 Ja-F '63

Some aspects of the biochemical study of malignant tumors. V.S Shapot. Zhur VKHO 8 no 4 373-384 '63

CANCER RESEARCH—CONGRESSES

Eighth International Cancer Research Congress. V.I Sukharev, E V Budnitskaia Vest. derm i ven 37 no.1 89-91 Ja '63.

Eighth International Cancer Research Congress V M. Betsianova M M. Nivinskaia Vest rent i rad 38 no 1 75-80 Ja-F '63

A review of reports of value to the surgeon read at the Eighth International Cancer Research Congress P N Napalkov Vest khir. 90 no 3 131-136 Mr '63

CANCEROGENESIS

New ideas on cancerogenesis. IU. M. Vasil'ev. Zhur VKHO 8 no 4 362-372 '63.

CANNING AND PRESERVING

[Home canning and processing of agricultural products] Konservirovanie i pererabotka sel'skokhoziaistvennykh produktov v domashnikh usloviiakh. [By] D P Belousov i dr Moskva, Sel'khozizdat, 1963 406 p.

CANNING INDUSTRY

Fan-IUng, A. F. [Design and planning of canning plants] Proektirovanie konservnykh zavodov. Moskva, Pishchepromizdat, 1963. 271 p.

CAPILLARIES—PERMEABILITY

Effect of ethyl chloride blockade on the permeability of the histohematic barrier, according to data of a radioactive phosphorus study [with summary in English]. L Laucevicius, E. Nekrasas, F. Motejunaite. Vrach delo no 9. 93-96 S '63

On the mechanism of changes in vascular tissue permeability following the action of high external temperatures on the organism F. F Sultanov Pat fiziol i eksp terap 7 no 2 68 Mr-Ap '63

CAPILLARITY

Fast-dropping polarographic capillaries. I E. Bykov, Izv. Sib. otd. AN SSSR no. 2. 81-89 '62.

CAPITAL

(see also subdivision under United States)

Gritsai, A. P., N. I. Ivanov, and V. D. Chibisov. [Working capital of socialist industrial enterprises] Oborotnye sredstva sotsialisticheskikh promyshlennykh predpriiatii. Moskva, Vysshaia shkola, 1963, 84 p. (Materialy k lektsiiam po politekonomii)

CAPITAL INVESTMENTS

(see also subdivision under Uzbekistan)

Use capital investment funds more efficiently. Den. i kred. 21 no. 10 69-75 O '63.

CAPITAL INVESTMENTS—CONGRESSES

New principles of construction planning in operation, from the conferences of the party economic activist groups of important economic regions. Ekon. strol. no. 9. 7-13 S '63.

CAPITALISM

(see also subdivision under United States)

The condition of the working class in capitalist countries. I. Kuz'minov. Mezhdunar. zhizn' 10 no. 10 67-76 O '63.

Zaitsev, N. S. [New stage of the general crisis of capitalism] Novyi etap obshchego krizisa kapitalizma. [Moskva] Rosvuzizdat, 1963, 38 p.

CAR AXLES—MAINTENANCE AND REPAIR

Methods for a proper organization of the maintenance of axle boxes. P. P. Bombardirov. Zhel. dor. transp. 45 no. 5:39-42 My '63

CAR COUPLINGS

Elements in the theory of the operation of a spring-mounted hydraulic shock-absorbing apparatus in the capacity of a shock absorber for the automatic coupling of a mine car. M. N. Popov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 6:90-93 '63.

CAR COUPLINGS—MAINTENANCE AND REPAIR

Emel'ianov, N. P., A. A. Vef'min, and V. V. Kolomiitchenko. [Build-up welding of automatic coupler parts using a lying lamellar electrode under flux] Naplavka detalei avtostsepki pod flliusom lezhachim plastinchatym elektrodom. Moskva, Transzheldorizdat, 1963, 44 p. (Dostizhenie nauki i tekhniki v proizvodstvo)

CARBAMIC ACID

Vulcanizing action of some derivatives of dithiocarbamic acid A E Grinberg and others Kauch i rez 22 no 8 32-35 Ag '63

CARBOHYDRATE METABOLISM

Effect of radioactive isotopes on carbohydrate metabolism [in Azerbaijani with summary in Russian]. N. B. Verzirova. Trudy Azerb. nauch.-issl. inst. zem. 12:155-160 '62.

CARBOHYDRATES

Carbohydrate composition of hydrolysates obtained as the result of the action of cytolytic fungi cultures on various substrates. L. S Salmanova, E A. Gorbachkova. Trudy TSentr. nauch.-issl. inst piv., bezalk. i vin. prom no 9 62-69 '62.

CARBON

Decay of residual nuclei produced in the interaction of 660 Mev. proton with carbon nuclei [with summary in English]. A. P. Zhdanov, P. I. Fedotov. Zhur. eksp. i teor. fiz. 45 no. 3:455-459 S '63.

CARBON BLACK

Effect of the sulfur present in active furnace black on the rate of decomposition of hydrogen peroxide R Z Magaril E I Aksenova. Kauch i rez 22 no 8 24-27 Ag '63

CARBON DIOXIDE

On the formation of the ion-salt and gaseous compounds of Dzharlash carbonated mineral waters V. M Levchenko, V. Kadyrov, A. Kaziev Izv. AN Kir. SSR Ser. est. i tekh. nauk 5 no. 4 87-91 '63.

CARBON DIOXIDE—SPECTRA

Studying carbon dioxide bands during electronic excitation. S. M. Kishko, V V. Skubenich. Izv. AN SSSR, Ser. fiz. 27 no. 8 1049-1051 Ag '63.

CARBON DIOXIDE—THERAPEUTIC USE

Subcutaneous administration of carbon dioxide in the treatment of obliterating endarteritis. F. S. Aminev. Zdrav. Kazakh. 23 no. 2 29-31 '63.

CARBON DIOXIDE—THERMODYNAMIC PROPERTIES

Thermodynamic properties of carbon dioxide at temperatures of 0-1000°C and pressures up to 100 bars. M P. Vukalovich, V. V Altunin, N. I. Timoshenko. Atom. energ. 15 no. 3:210-214 S '63.

CARBON DISULFIDE

Obtaining industrial carbon disulfide of a higher quality. L. IA. Kollandr, G. M. Fomenko, L. S. Starkova. koks i khim. no. 9:44-46 '62.

CARBON ELECTRODES see Electrodes, Carbon

CARBON-IRON ALLOYS see Iron-carbon alloys

CARBON MONOXIDE

Dependence of the reaction rate of carbon oxide decomposition on temperature. B. K. Loksha. Izv AN SSSR Otd. tekh. nauk. Met. i gor. delo no. 4:46-53 Jl-Ag '63.

CARBON MONOXIDE—TOXICOLOGY

Effect of chronic carbon monoxide intoxication on the immunobiological reactivity in animals [with summary in English] I. I Datsenko, I. S. Alycheva. Vrach. delo no. 9 118-121 S '63.

CARBONATES

Interaction of carbonate and fluoro groups in the inner sphere of uranyl complexes. I. I. Chernlaev and others. Zhur. neorg. khim. 8 no. 10:2232-2239 O '63.

CARBONATITES

Characteristics of the distribution of the rare-metal mineralization. A. A. Frolov. Geol. mest. red. elem. no. 17:125-133 '62.

Genesis of carbonatites L. K. Pozharitskaia, E. M. Epshtein. Geol. mest. red. elem. no. 17:134-142 '62.

Geochemical characteristics of a carbonatite formation process L. K. Pozharitskaia. Geol. mest. red. elem. no. 17.117-125 '62.

Geology of carbonatite massifs. A. A. Frolov, E. M. Epshtein. Geol. mest. red. elem. no. 17:38-69 '62.

Main problems in studying the massifs of ultrabasic alkali rocks and carbonatites. A. I. Ginsburg, E. M. Epshtein. Geol. mest. red. elem. no. 17:142-147 '62.

Mineropetrographic characteristics of carbonatites. L. K. Pozharitskaia. Geol. mest. red. elem. no. 17:70-86 '62.

Nature and origin of carbonatites [with summary in English]. S.I.Tomkeev. Min. sbor. no. 16:318-327 '62.

Philogopite potential of precarbonatite metasomatic rocks. E. M. Epshtein. Geol. mest. red. elem. no. 17: 133-134 '62.

Precarbonatite metasomatic [illegible] alkali massifs. IU. B. Laviienev, I. M. [illegible] Geol. mest. red. elem no 17:21 47 '62

Rare-metal minerals in carbonatite [illegible] T. B Zdorik Geol. mest. red. elem [illegible] '62

CARBONIC ACID

Casting of polycarbonates under pressure [illegible] and others. Plast. massy no. 4 [illegible]

Evaluation of the possibilities of [illegible] N. Gol'denberg. Plast. massy no. 6 [illegible]

Kinetics of the thermal decomposition of [illegible] carbonate. V. I. Kurov Dokl. AN [illegible] 391 Je '64.

Solubility of carbonic acid in acetone at low temperatures. I. P. Ushakin, V. [illegible] Neftepererab. i neftekhim. no. 1:39 [illegible]

CARD SYSTEM IN BUSINESS

Card filing equipment and machines for [illegible] of accounting and control [illegible] Avtom. proizv. 17 no. 9:51-54 [illegible]

CARDIAC CATHETERIZATION

Review of V. S Savel'ev's book "Roentgenography in congenital heart defects [illegible] Vest. khir. 90 no. 3 126-128 Mr [illegible]

CARDING MACHINES

Blending and evening on roller carding machines Emmanuel', Tekst. prom 23 no. 11 [illegible]

Efficiency of the use of the wire surface of carding cylinder S F Ivanushkin, Tekst. prom no. 8:44-48 S '63.

Ways to increase the operative efficiency [illegible] Shuleshko. Tekst. prom 24 no. 11 [illegible]

CARDING MACHINES—TECHNOLOGICAL [illegible]

Modernization of carding machines [illegible] indus. Riaz. no. 2:21 D '61.

CARDIOVASCULAR AGENTS

Effect of nitrosorbid on the cardiovascular [illegible] coronary insufficiency. V. A. [illegible] no. 2:22-30 F '63.

CARDIOVASCULAR SYSTEM

Characteristics of the state of the cardiovascular [illegible] in patients with leukemia [with summary in English] N. I. Petukhova. Terap. arkh. [illegible]

Reactivity of the cardiovascular system [illegible] acute intestinal obstruction [with summary in English] L IA Fishchenko, I. M Nerkin. [illegible] 7 no 1 36-38 Ja-F '64

CARDIOVASCULAR SYSTEM—DISEASES

Cardiovascular system in patients with [illegible] erythematosus [with summary in English] M. P. Frishman. Vest. derm i ven [illegible] Ja '63.

Changes in the cardiovascular system [illegible] history of uncomplicated menstrual function [with summary in English]. R. P. Baranova. [illegible] Ja '63.

Changes in the cardiovascular system [illegible] sickness caused by the action of nitro compounds G. K. Korolev. Med. rad [illegible]

Disorders of the cardiovascular function [illegible] syndrome of the face [with summary in English] Mikhailovskii, L. M. Sviridi. Vrach delo [illegible] Jl '63.

Invalids with cardiovascular diseases [illegible] Zdrav. Ros. Feder. 7 no. 9 [illegible]

Use of some diuretic substances (diuver, hypothiazide) in cardiovascular [illegible] va, S. I. Kostiaeva. Terap. arkh. [illegible] '63.

CARDIOVASCULAR SYSTEM—SURGERY

Results and prospects of surgical treatment [illegible] insufficiency [with summary in English] V. I Pronin. Vest khir [illegible]

CARGO HANDLING

(see also subdivision under United States)

A decision of the Interdepartmental Arbitration [illegible] the Ministry of Merchant Marine. Inform. sbor. no. 67, Mor. pravo i prak. no. 14 [illegible]

A decision of the State Arbitration Agency [illegible] Council of Ministers of the Latvian SSR. Inform. sbor. TSNIIMF no. 67. Mor. pravo i prak. [illegible]

From the editors briefcase. Rech. transp. 22 no. 8 [illegible]

From the practice of the Interdepartmental Arbitration Commission of the Ministry of Merchant Marine. Inform. sbor. TSNIIMF no. 72. Mor. pravo i prak. [illegible] 39-41 '62.

Improve cargo handling and commercial operations. M. Draitsun. Rech. transp. 23 no. 8 [illegible]

Norms for the loading and unloading of ships for the transportation of bulk cargo. Inform. sbor. TSNIIMF no. 72. Mor. pravo i prak. no. [illegible]

Using opening-roof cars. T. Martirosian. [illegible] 23 no. 10:16-17 O '63.

CARGO HANDLING—EQUIPMENT AND SUPPLIES

Improve the over-all mechanization in every possible way. I. Bulkman. Mor. flot 23 no.10 13-14 O '63.

CARICATURES AND CARTOONS

[Drawings to the works of Dem'ian Bednyi] Risunki k proizvedeniiam Dem'iana Bednogo Moskva, Sovetskii khudozhnik, 1963. 1 v (chiefly illus.)

CARP

(see also subdivision under Novomar'yevskaya Lagoon)

Early spawning and prolongation of the growing period in carp farming. G. V. Kadzevich. Trudy VNIPRKH 8:164-187 '56.

Visiting with mirror carp. V. Vasil'ev, G. Lupakerov. Smena 40 no.18 28-29 S '63.

CARPATHIAN MOUNTAIN REGION—HEXAHYDRITE

Hexahydrite from the salt deposits in the cis-Carpathian region [with summary in English]. V.V Malashevskii, P.M. Bilonizhka Min. sbor. no 16:441-445 '62

CARPATHIAN MOUNTAIN REGION—OIL SANDS—PERMEABILITY

Reservoir properties of rocks in fields of the Carpathian piedmont fault. A.A. Ivanov, N.I Marukhniak. Geol. neft. i gaza 7 no.8 35-38 Ag '63.

CARPATHIAN MOUNTAIN REGION—OZOCERITE

Mineralogy of ozocerite in the Dzvinyach and Starunt deposits [with summary in English]. G.E Botko. Min. sbor. no 16:448-453 '62.

CARPATHIAN MOUNTAINS—CABLEWAYS

Cableway skidder with a mobile supporting cable. T. M. Shkiria, I.G. Raichinets. Les. prom. 41 no.8 6-7 Ag '63.

CARPATHIAN MOUNTAINS—FORAMINIFERA, FOSSIL

Division of Albian-Senoman sediments in the Utesovaya zone of the Carpathians based on Foraminifera Vest. Mosk. un. Ser. 4, Geol. 18 no. 3:41-48 My-Je '63.

CARPATHIAN MOUNTAINS—FOREST MANAGEMENT

Practices in gradual cuttings in mountain forests of the Carpathians. Les. khoz. 16 no.7:36-40 Jl '63.

CARPATHIAN MOUNTAINS—GEOLOGY, STRATIGRAPHIC

Cretaceous deposits of the western part of the eastern Carpathians [with summary in English]. O.S. Vialov and others. Dop. AN URSR no.8:1081-1084 '63.

Division of Albian-Senoman sediments in the Utesovaya zone of the Carpathians based on Foraminifera. Vest. Mosk. un. Ser. 4, Geol. 18 no. 3:44-48 My-Je '63.

CARPATHIAN MOUNTAINS—LUMBER—TRANSPORTATION

Cableway skidder with a mobile supporting cable. T. M. Shkiria, I. G. Raichinets. Les. prom. 11 no.8,6-7 Ag '63.

CARPATHIAN MOUNTAINS—ORE DEPOSITS

Sulfide and complex metal deposits in the Chivchin Mountains [with summary in English]. O.I Matkovskii and others. Min. sbor. no.16:273-284 '62.

CARPENTRY

Planning the transformation of house building shops for the production of wooden structural parts. A.A. Smirnov. Der. prom. 12 no.10 10-12 O '63.

CARPENTRY—HANDBOOKS, MANUALS, ETC

Starikov, A.N. [Reference book for carpenters and furniture makers] Spravochnaia kniga stolira-stroitelia i mebel'shchika. [Leningrad] Lenizdat, 1963. 414 p.

CARRIAGES AND CARTS see subdivision under Serpukhov

CARROTS—DISEASES AND PESTS see subdivision under Perm Province

CARROTS AS FEED see subdivision under Moscow

CARTOGRAPHY

Automation of map drawing and delineation operations abroad. A.S. Vasmut. Geod. i kart. no.9,62-68 S '63.

Brief news. Geod. i kart. no.9:74-75 S '63.

Saltsshchev, K.A. [Accuracy of quantitative determination by special maps] O tochnosti kolichestvennykh opredelenii po spetsial'nym kartam. Moskva, Mosk. gos. univ. 1963. 37 p.

Speeding up the compiling of maps and atlases. S.N. Soldatov, V.F. Krempol'skii. Geod. i kart. no.9,50-52 S '63.

The twenty-fifth anniversary of the Scientific-Editorial Cartographical Board. IU.V. Filippov. Izv. AN SSSR: Ser. geog. no.5:155 S-O '63.

CARTOGRAPHY—BIBLIOGRAPHY see Bibliography—Cartography

CARTOGRAPHY—COSTS

One of the ways of reducing the costs of compiling maps. A.V. Edel'shtein. Geod. i kart. no.9 52-55 S '63.

CARVING (ART INDUSTRIES) see subdivision under Kazakhstan

CASCADES (FLUID DYNAMICS)

Effect of the chord dimension on the characteristics of turbine cascades. N.E. Salamatin. Trudy KAI no.66: 33-42 '61.

CASE HARDENING

Fatigue strength of shafts following nitriding and straightening. I.V. Kudriavtsev and others. Metalloved. i term. obr. met. no.10:32-34 O '63.

Review of A.A. IUrgenson's book "Nitriding in the power machinery industry." V.B. Raltsev, T.S. Shilkova, N.A. Voskoboinikova. Metalloved. i term. obr. met. no.9 62-63 S '63.

CASEIN

Effect of a catechin preparation on the endocrine glands of white rats kept on a casein diet. Report No 1 I.S. Dergachev, I.N Potapova, N.N Berezovskaia. Biul. MOIP Otd. biol. 68 no 4 111-143 Jl-Ag '63

CASPIAN LOWLAND—BORING

More on the problem of drilling extra-deep holes in the Caspian Lowland. G.E. -A. Aizenshtadt and others. Razved. i okh. nedr 29 no.9,17-20 S '63.

CASPIAN LOWLAND—GEOLOGY, STRATIGRAPHIC

Upper Pliocene sediments in some regions of the northern Caspian Lowland. V.M Aleshin, T.N. IUr'eva. Trudy VNIIG no.1:130-140 '62.

CASPIAN SEA—ATMOSPHERIC TEMPERATURE

Thermal characteristics of winds in the Caspian Sea. A.N. Shekhtman. Trudy NIIAK no.17 16-32 '62.

CASPIAN SEA—DIATOMS

New and rare diatoms from the Caspian Sea. N.I. Karaeva. Bot. mat. Otd. spor. rast. 16:45-19 '63.

CASPIAN SEA—ICE

Forecasting ice conditions in the Caspian Sea [with summary in English]. V.V. Lukianov. Trudy Inst. okean. 57:76-80 '62.

CASPIAN SEA—STURGEONS

Brief news and information. Vop. ikht. 3 no.3:573-581 '63.

CASPIAN SEA—WINDS

Thermal characteristics of winds in the Caspian Sea. A.N. Shekhtman. Trudy NIIAK no.17:16-32 '62.

CASPIAN SEA REGION—BAKERIES

For high standards in production. I Kakhrimanov. Khleb. i kond. prom. 7 no.9 42 S '63.

CASPIAN SEA REGION—EARTHQUAKES

Caspian earthquake of January 27, 1961. V.P. Kuznetsov and others. Izv. AN SSSR, Ser. geofiz. no.9:1392-1393 S '63.

Caspian earthquake of September 10, 1961. Sh.S. Ragimov and others. Izv. AN SSSR, Ser. geofiz. no.9:1389-1391 S '63.

CASPIAN SEA REGION—INDICATOR PLANTS

Ecology of some plant communities as indicators of salinization in the Caspian Sea region. N.G Nesvetailova, L.S. Rodman. Biul. MOIP, Otd. biol. 68 no.5 44-50 S-O '63.

CASPIAN SEA REGION—PETROLEUM GEOLOGY

Role of tectonic factors in the formation of oil pools in the Caspian Tertiary monocline [in Azerbaijani with summary in Russian]. G.K. Abdullaev, M.R. Guseinov, G.A. Guseinov. Azerb. neft. khoz. 12 no.1:1-6 Ja '63.

CASPIAN SEA REGION—SALINE AND ALKALI SOILS

Ecology of some plant communities as indicators of salinization in the Caspian Sea region. N.G. Nesvetailova, L.S. Rodman. Biul. MOIP, Otd. biol. 68 no.5 44-50 S-O '63.

CAST IRON

Manufacture of large compressor parts from extra-strong cast iron. I.L. Kurbatskii and others. Khim. mashinostr. no.5:36-37 S-O '63.

Using bauxite-titanium foundry pig iron. M.D. Nikitenko and others. Stal' 23 no.6:573-574 Je '63.

Using perlite wrought iron in agricultural machines. K.E. Podkatilov, I.A. Dudnikov. Trakt. i sel'khozmash. 33 no.5:42-43 My '63.

CAST IRON—ANALYSIS

Chromium distribution among phases of hypoeutectic cast iron. V.A. Shalashov. Izv. AN SSSR, Otd. tekh. nauk Met. i gor. delo no.4:121-126 Jl-Ag '63.

CAST IRON—METALLOGRAPHY

Characteristics of primary crystallization and the structure of cast iron inoculated with rare metals. D.N. Khudokormov, O.S. Komarov. Metalloved. i term. obr. met. no.8:43-46 Ag '63.

Intercrystalline segregation of silicon in cast iron. A.A. Zhukov. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no.2:47-53 Mr-Ap '63.

Thin-sheet mill rolls of magnesium-treated cast iron. A.V Plankina, P.D Belikov, I.K Chaikin Stal' 23 no.6,544-546 Je '63

CAST IRON—METALLURGY

Vsesoiuznaia konferentsiia po teorii i praktike proizvodstva otlivok iz kovkogo chuguna, 3d 1960. [Expanding the production of malleable cast iron] Razvitie proizvodstva kovkogo chuguna, trudy Moskva, Mashgiz, 1963 358 p.

Studying the electromotive force in processes of cast iron modification by magnesium addition alloys B.M Lepinskikh, O.A. Esin, A.A. Anan'in Izv. AN SSSR Otd. tekh. nauk Met. i gor. delo no 4:117-120 Jl-Ag '63

Using cerium for the inoculation of cast iron. N.A. Voronova, O.A. Mogilevtsev Metalloved. i term. obr. met. no.8 38-42 Ag '63.

Using cerium for the inoculation of structural and stainless steel and cast iron N.V. Ageev, A.I. Komissarov. Metalloved. i term. obr. met. no.8 10-23 Ag '63

CAST IRON—PRICES

Metallurgical value of iron ores and its inclusion in the establishment of new wholesale prices. A.S Pinkel'shtein. Stal' 23 no 6:563-566 Je '63

CAST IRON—TESTING

Investigating the effect of certain inoculants on the properties of malleable cast iron. V.R. Balinskii. Lit. proizv. no.8:32-33 Ag '63.

Hard facing of wear-resistant cast iron. G.V. Kacndzyk. Avtom. svar. 16 no.9 61-71 S '63.

Ultrasonic testing of magnesium cast iron crank shafts. G.K. Bonding. Lit. proizv. no.8 29-30 Ag '63.

CAST IRON—WELDING

Investigating the automatic welding of highly-resistant cast iron under ceramic flux. D.M. Kushnerev, V.G. Svetashkii. Avtom. svar. 16 no.9 53-60 S '63.

Low-temperature welding-up of defects in cast iron. V.A. Ginsburg. Svar. proizv. no.9 36 S '63.

CAST STONE see Stone, Cast

CASTRATION

Effect of castration on the regenerative and protective function of the skin in animals [with summary in English] K.A Kalantaevskaia. Vest. derm. i ven. 37 no.2:3-6 F '63.

CAT SCRATCH DISEASE

Isolation and study of the agent of benign lymphoreticulosis in man (cat scratch disease), preliminary report [with summary in English]. V.I. Cheryonskii, L.I Teriaskikh, A.III. Bekleshova Vop. virus. 8 no 3:261-268 My-Je '63.

CATALOGS, UNION

[Union list of new foreign books, received by the libraries of the U.S.S.R. Series A: Natural sciences, medicine, agriculture, technology] Svod. biul. nov. inostr. knig, postup. v bibl. SSSR. Ser. A: Est. nauki, med., sel'. khoz., tekh. no.3 '63.

CATALYSIS

Effect of the reaction mixture on the catalyst during a catalytic process. A.IA. Rozovskii. Dokl. AN SSSR 151 no.6:1390-1392 Ag '63.

Kinetic and catalytic currents on a hanging dropping electrode. V.G. Levich, Z.Ch. Grabovskii, V.IU. Filinovskii. Dokl. AN SSSR 151 no.6:1379-1382 Ag '63.

CATALYSTS

Copolymerization of 1,3-butadiene with 2,3-dimethyl-1,3-butadiene in the presence of various ion-type catalysts. L.S. Bresler and others. Dokl. AN SSSR 151 no.6:1322-1325 Ag '63.

Heavy metal "borides," new hydrogenation catalysts. K.N. Mochalov, S.I. Polikarpov. Trudy KKHTI no.30, 283-288 '62.

Reaction accelerated a million times V. Pen'kovs'kyi Nauka i zhyttia 13 no.7:25-27 Jl '63.

Selectivity of dehydrogenation catalysts [with summary in English]. V.K. Skarchenko. Dop. AN URSR no.8: 1058-1060 '63.

CATAPHORESIS see Electrophoresis

CATECHOL

Effect of a catechin preparation on the endocrine glands of white rats kept on a casein diet. Report No.1. I.S. Dergachev, I.N. Potapova, N.N. Berezovskaia. Biul. MOIP, Otd. biol. 68 no.4 141-143 Jl-Ag '63.

CATHODES

Distribution of potential along the axis of a hollow oxide-coated cathode and its current control. M.B. Pyt'eva, E.M. Dubinina, M.P. Kuz'mina. Radiotekh. i elektron. 8 no.10:1787-1790 O '63.

Nonlinear stationary fluctuations of the potential of ion-electron currents emitted by a plane. V.M. Smirnov. Radiotekh. i elektron. 8 no.10:1729-1742 O '63.

CATHODIC PROTECTION

Institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [Protection of pipelines from corrosion Translated from the German and English] Zashchita truboprovodov ot korrozii Moskva, 1962 61 p (Perevody NoNo 8-12/62 z k)

[MICROFILM]

CATHOLIC CHURCH

Struggle of two courses in the Vatican N Koval'skii Mir. ekon. i mezhdunar otn no. 9 48-59 '63.

CATHOLIC CHURCH (BYZANTINE RITE)

[Aremenko, P. K. ["Warning", a Ukrainian anti-Uniat pamphlet of the early 17th century] "Peresterogha" — ukrains'kyi antyuniats'kyi pamflet pochatku XVII st Kyiv, Vyd-vo Akad nauk URSR, 1963 162 p

CATIONS

Influence of covalence of the interaction of a salting out cation with water molecules on the effectiveness of salting out. O IA. Samoilov, R. T Golovatenko, V I Pal'shichev. Radiokhimiia 5 no. 4 499-504 '63.

CATTLE see subdivision under Ossetia, Ukraine

CATTLE—DISEASES AND PESTS

(see also subdivision under Donetsk Province, Georgia, Kazakhstan; Khmel'nitskiy Province, Sapozhok District, Soviet Central Asia, Ural Mountain region)

Rabies in cattle. S. A. Malygin, I. D. Druzhkov, A. P. Smirnov. Veterinariia 39 no. 9:27-28 S '62.

Role of swine trichomonads in the epizootiology of cattle trichomoniasis. B. A. Timofeev. Veterinariia 39 no. 9 37 S '62.

CATTLE—FEEDING AND FEEDS

Dietetic properties of some feeds and rations for cattle [with summary in English]. IA A Sergeev. Izv. TSKHA no. 2 141-154 '63.

Kalashnikov, A. P. [Silage type of feeding for cattle] Silosnyi tip kormleniia krupnogo rogatogo skota Moskva, Sel'khozizdat, 1963 158 p (DNAL)

CATTLE BREEDING see subdivision under Kazakhstan

CAUCASUS—CRANIOLOGY

Anthropological data on the origin of the population of the central foothills of the Caucasus. V. P. Alekseev. Trudy Inst. etn. 82 28-61 '63.

CAUCASUS—DESCRIPTION AND TRAVEL

Decembrists D. Iakrits-kii's and V. Vol'khovskii's letters on the Caucasus. M. G. Nersisian. Ist.-filol zhur. no. 2:217-235 '63

CAUCASUS—GEOLOGY, STRUCTURAL

Main stages in the tectonic and igneous history of the Greater Caucasus G D Azhgirei Vest Mosk un Ser 4 Geol 18 no 4 3-14 Jl-Ag '63

Overthrust sheets in the southeastern Caucasus and the conditions governing their formation I A. Voskresenskii, V E Khain, A. M. Shurygin Vest Mosk un Ser 4 Geol. 18 no 4 15-33 Jl-Ag '63

CAUCASUS—MAN, PREHISTORIC

Some results of the study of Caucasian paleoanthropology. V. P. Alekseev. Ist.-filol zhur. no. 2:139-149 '63

CAUCASUS—MINERAL WATERS, SULFUROUS

Experimental heating of narzan sulphurous mineral water at the drinking counter. G. V. Pakhomov. Trudy NPI 138,3-10 '63.

CAUCASUS—PHYSICAL GEOGRAPHY

Gvozdetskii, N. A. [The Caucasus; nature study] Kavkaz; ocherk prirody Moskva, Geograifgiz, 1963. 261 p.

CAUCASUS—SNOWDROPS

A new snowdrop from the Caucasus. A P. Khokhriakov. Biul. MOIP Otd biol 68 no. 4 140-141 Jl-Ag '63.

CAUCASUS—WORLD WAR, 1939-1945

Daghestan party organization during the first years of the Great Patriotic War. Sh. M. Munchaev. Vest. Mosk. un. Ser. 9 Ist. 18 no. 2 20-32 Mr-Ap '63.

CAUCASUS, NORTHERN—AGGREGATES (BUILDING MATERIALS)

Developing the production of porous aggregates in the North Caucasus Economic Region. IU. Sokolov. Ekon. stroi. no. 10 28-34 O '63.

CAUCASUS, NORTHERN—AGRICULTURE

Khrushchev, N. S. [Let us establish a firm foundation for high, regular yields of farm produce; a speech at the Conference of the Agricultural Workers of the Northern Caucasus in Krasnodar on September 26, 1963] Sozdat' ustoichivuiu bazu dlia poluchenila vysokikh garantirovannykh urozhaev; rech' na soveshchanii rabotnikov sel'skogo khoziaistva Severnogo Kavkaza v g. Krasnodare 26 sentiabria 1963 goda. Moskva, Politizdat, 1963. 47 p

CAUCASUS, NORTHERN—CLAY

Characteristics and the conditions governing the accumulation of clay minerals in Maikop sediments of Ciscaucasia. D. D. Kotel'nikov. Izv. AN SSSR Ser. geol. 28 no. 9 70-92 S '63

CAUCASUS, NORTHERN—COOPERATIVE SOCIETIES

Selection centers. M Vinnitskii Sov potreb koop. 7 no. 7 19 Jl '63

CAUCASUS, NORTHERN—DEER, FOSSIL

Pseudalces, a Pliocene deer from Ciscaucasia. K. K Flerov, N. S. Shevyreva. Paleont. zhur. no. 3:120-123 '63.

CAUCASUS, NORTHERN—EPIDOTE

Epidote minerals in rocks of the Urushtenskiy complex (Northern Caucasus). V. V Ploshko, V I Bogdanova. Trudy Min. muz. no. 14:122-139 '63.

CAUCASUS, NORTHERN—FOLK MUSIC

Historic relation between the Georgian and North-Caucasian folk music V. A. Gvakharia. Mat. po etn. Gruz. no. 12/13 281-290 '63

CAUCASUS, NORTHERN—GEOLOGY, STRUCTURAL

Structural elements of the Northern Caucasian Upland. A. I. Kozubenko Trudy MGRI 39 19-21 '63.

CAUCASUS, NORTHERN—HISTORY

Kushcva, E. N. [Peoples of the Northern Caucasus and their contacts with Russia, from the second half of the 16th century through the 1630's] Narody Severnogo Kavkaza i ikh sviazi s Rossiei, vtoraia polovina XVI - 30-e gody XVII veka. Moskva, Izd-vo Akad. nauk SSSR, 1963. 369 p.

CAUCASUS, NORTHERN—INSCRIPTIONS, ARABIC

New materials on Arabic epigraphy in the Northern Caucasus. L I. Lavrov. Sbor. Muz. ant. i etn. 21 267-296 '63.

CAUCASUS, NORTHERN—JOURNALISM

Rising strength. A Roskoshnyi. Sov. pech. no 10 31-33 O '63.

CAUCASUS, NORTHERN—LOESS

Akademiia nauk SSSR Laboratoriia gidrogeologicheskikh problem [Settling deformations of loess in the central Ciscaucasia] Prosadochnye deformatsii lessovykh porod TSentral'nogo Predkavkaz'ia. Moskva, Izd-vo Akad. nauk, 1963. 133 p.

CAUCASUS, NORTHERN—PETROLEUM—ANALYSIS

Lovchenko, E. S., L. N. Bobkova, and E. A. Ponomareva. [Petroleums of the Northern Caucasus] Nefti Severnogo Kavkaza, spravochnaia kniga. Moskva, Gostoptekhizdat, 1963. 335 p.

CAUCASUS, NORTHERN—PETROLEUM GEOLOGY

Formation properties of Upper Cretaceous petroleums in the frontal ranges of eastern Ciscaucasia A. N Reznikov. Geol nefti i gaza 7 no 8 21-24 Ag '63

CAUCASUS, NORTHERN—SOIL MECHANICS

Conference on building construction and construction on sagging soils in the Northern Caucuses and Rostov Province V. A. Gavrikov. Osn. fund. i mekh grun. 5 no. 5 30-31 '63.

CAUCASUS, NORTHERN—STANDARDIZATION

Conference on standardization at the North Caucasus Economic Council. M. Kh. Skorobogat. Standartizatsiia 27 no. 9 48-49 S '63.

CAUCASUS, NORTHERN—THUNDERSTORMS

Forecasting of thunderstorms in Ciscaucasia. G. L. Sosin. Meteor. i gidrol no. 8 29-32 Ag '63.

CAUCASUS, NORTHERN—TRUCK TRAILERS—TRANSPORTATION

Transporting a log trailer on the platform of a truck tractor. N. Kudriashov, V. Zhidkov, A Pikushov. Les. prom. 41 no. 8.8-9 Ag '63.

CAUSATION

Svechnikov, G. A. [Causation in modern physics] Prichinnost' i sovremennaia fizika; dopolnennaia i pererabotannaia stenogramma lektsii, prochitannoi v TSentral'nom lektorii Vsesoiuznogo obshchestva "Znanie," Moskva, Izd-vo "Znanie," 1963. 38 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no. 19)

Concept of causation and the connection of truths. V. Molokov. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 4: 71-74 '63.

CAUSTOBIOLITHS see subdivision under Czechoslovakia

CAVE FAUNA see subdivision under Crimea; Transcaucasia

CAVES

(see also subdivision under Kuibyshev region, Osh Province; Sverdlovsk Province; Voronisovka region, Krasnodar Territory)

Similarity between underground and surficial river streams. M. Sherban, I. Fiman. Nov. kar. i spel. no. 3:80-81 '63.

CAVES—BIBLIOGRAPHY see Bibliography—Caves

CAVITATION

Roentgenological symptomatology of volvulus of the cecum (with summary in English) V I. Petrov Vest rentg i rad 38 no 1 16-20 Ja-F '63

Lashkov, A. S. [Ultrasonic investigation of the cavitation of hydraulic machinery] Ul'trazvukovoi metod issledovaniia kavitatsii gidravlicheskikh mashin, stenogr. otchet lektsii. Leningrad, 1963. 32 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Peredovye tekhnicheskie metody obrabotki materialov)

CELL DIVISION (BIOLOGY)

Division processes in Trichodina trititae Mueller (Infusoria Peritricha). E. A. Bogdanova. Dokl. AN SSSR 151 no. 6:1458-1461 Ag '63.

CELL METABOLISM

Quantitative regularities in the regulation of synthesis in the virus-cell system A. IA. Raikhinstein Vop virusol 8 no. 3:325-329 My-Je '63.

CELLS

Blepharoplast cytochemistry in Trypanosoma (Schizotrypanum) cruzi. V. D. Kalinishkova, G. I. Roitman. Dokl. AN SSSR 151 no. 6:1187-1190 Ag '63.

Characteristics of the surface of normal and tumorous cells III. M. Vasil'ev, A. G. Malenkov. Zhur. VNIIO 8 no. 1 101-102 '63.

Physiology of a cell. P. Kostiuk Nauka i zhyttia 14 no 7 28-31 Jl '63

CELLS—RESEARCH

Restoration of a cell. A. Studitskii. Znan.-sila 38 no. 7 15-17 Jl '63.

CELLULOSE

(see also subdivision under Japan)

Microscopic and electron-microscopic examination of samples of hydroxyethyl cellulose. E. L. Aitin, [illegible] LTISBP no. 11 63-67 '62.

Use of gaseous hydrogen chloride for fiber destruction. IU. L. Pogosov. Gidrolliz. i lesokhim. prom. 16 no. 5 18-19 '63

CELLULOSE—ELECTRIC PROPERTIES

Symmetry of the piezoelectric properties of normal and compressed cellulose V A Bazhenov, A V Ivanova. Kristallografiia 8 no 5 791-793 S-O '63

CELLULOSE ACETATES

Effect of ultrasonic vibrations on the properties of concentrated acetone solutions of acetylcellulose. V. N Averianova, S. A. Glikman Khim. volok no. 5:62-[illegible] '63.

CELLULOSE XANTHATES

Formation of the supermolecular structure of viscose fibers during spinning. A. P. Serkov and others. Khim. volok. no 5 40-45 '63.

CEMENT

(see also subdivision under Kuvasay)

Strength of solutions and concretes prepared from expanding cement [with summary in English]. N. V. Alekseenko. Dop. AN URSR no. 8, 1074-1077 '63.

Structure-mechanical and other properties of cement paste during its transition from the viscoplastic to the resilient-brittle state [with summary in English] V. V Chernogorenko, I. G. Granovskii. Kolloid zhur. 25 no. 5 600-605 S-O '63.

CEMENT—DRYING

Unit for drying cement. IU. G. Chekalin. Mekh. stroi. 20 no. 10:26 O '63.

CEMENT INDUSTRIES see subdivision under Hungary, Ryazan; Ukraine

CEMENT PLANTS—EQUIPMENT AND SUPPLIES

Supporting elements for grab cranes with flangeless running wheels. S. M. Krylov, N. P. Utenko. Prom. stroi. 40 [i. e. 41] no. 6 41-43 Je '63.

CENTAUREA

Controlling Acroptilon picris. M. IA. Berezovskii and others. Zashch. rast. ot vred. i bol. 8 no. 9:45-47 S '63.

CENTRAL ASIA see Asia, Central

CENTRAL ASIA, SOVIET see Soviet Central Asia

CENTRAL CHERNOZEM ECONOMIC REGION—MACHINERY INDUSTRY

Further introduction of multiple part machining in the enterprises of the Central Chernozem Economic Council L. B. Presnikov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no 8:79-80 '63

CENTRAL CHERNOZEM REGION—HESSIAN FLIES—EXTERMINATION

Prevent mass multiplication of the Hessian fly. I. I. Pavlov. Zashch. rast. ot vred. i bol. 8 no. 8:21-22 Ag '63.

CENTRIFUGAL CASTING

Centrifugal casting of liner blanks F. A. Mishukov, S. F. Fomin, A. A. Kösterin. Lit proizv. no 8 31-35 Ag '63

Centrifugal casting of worm gear. IU. A. Nikul'shin. Lit proizv no. 8 35 Ag '63.

CENTRIFUGAL PUMPS

Calculation of the pressure characteristics of multistage centrifugal force pumps. P. V. Zhuravlev. Trudy NPI 137.03-72 '62

Pumping clay muds with centrifugal pumps. K. A. Ibatulov Izv. vys. ucheb zav., neft' i gaz 4 no 3:27-32 '61

CENTRIFUGAL PUMPS—ELECTRIC DRIVING

Thanks to a rearrangement of the vanes. A. Kamashchenko, V. Povetkin, L. Medenets. Standartizatsiia no 5: 31 My '63.

CENTRIFUGES

Moscow. Vsesoiuznyi nauchno-issledovatel'skii i konstruktorskii institut khimicheskogo mashinostroeniia [Centrifuges, catalog and handbook] TSentrifugi, katalog-spravochnik Izd. 2, perer. i dop. Moskva, Mashgiz, 1963. 101 p

CERAMIC METALS

Dmitrovich, A. M. [What a mechanic should know about metals and materials] Chto nuzhno znat' slesariu o metallakh i materialakh Minsk, Gos. izd-vo BSSR, 1962 156 p. (Bibliotechka slesaria, no 1)

CERAMIC METALS—TESTING

Investigating the heat conductivity, electrical resistance, and mechanical properties of a ceramic metal iron-copper alloy. Report No. 2 [with summary in English]. V. E. Mikitukov, N. Z. Pozdniak. Poroshk. met. 3 no. 4: 54-59 Jl-Ag '63.

CERAMIC MATERIALS—THERMAL PROPERTIES

Thermotechnical properties of single-core ceramic panels. K. F. Fokin, R. E. Brilling, V. R. Khlevchuk. Stroi. mat. 9 no. 9.27-29 S '63

CERAMICS

(see also subdivision under Poland)

Investigating plastic molding processes. F. S. Entelis, A. I. Smirnova. Stek. i ker. 20 no. 10 14-20 O '63.

Thermochemical treatment of building ceramics on a silicon carbide base. V. M. Grosheva. Stek. i ker. 20 no. 10 31-32 O '63.

CEREBRAL CORTEX

Content of ascorbic acid in the brain of rats following cerebral decortication. S. A. Chesnokova, M. G. Khovanskaia Pat. fiziol. i eksp. terap. 7 no 1 79 Ja-F '63.

Data on the variability of the cellular structure of the cerebral cortex of man. G. I. Polikov, K. K. Blinova. Vop. antr. no 13:60-89 '63.

Electrical activity of isolated neurons of the somatosensorial cortex. T. D. Dzhavrishvili. Dokl. AN SSSR 151 no. 6:1462-1465 Ag '63.

Interchangeability of cortical representation of the right and left eye during work requiring great stress of the visual analyzer A. A. Zubkov, G. G. Rud', Zdravookhranenie 6 no. 2 38-41 Mr-Ap '63

Role of humoral factors in changes in the central nervous system during experimental radiation injury [with summary in English]. P. D. Gorizontov, E. N. Shcherbova. Pat. fiziol. i eksp. terap. 7 no. 1 14-19 Ja-F '63

Role of the cerebral cortex in the compensation of respiratory disorders due to pulmonary lesions. E. S. Mailain. Zhur. eksp. i klin. med. 3 no. 1 45-55 '63.

Specific antigens of the central nervous system. A. V. Sokolov. Pat. fiziol. i eksp. terap. 7 no. 1 79-81 Ja-F '63.

CEREBRAL PALSY

Treatment of children suffering from cerebral spastic paralysis in an Odessa children's sanatorium V. P. Karpov. Vrach. delo no 9:153-154 S '63.

CEREBROSPINAL FLUID

Ultraviolet absorption spectra of the cerebrospinal fluid in neurological patients. M. M. Korin, V. A. Mashenkov, L. G. Pikulik. Dokl. AN BSSR 7 no. 7 498-500 Jl '63.

CEREBROVASCULAR DISEASE

Activity of the heart in cerebral embolism [with summary in English]. R. K. Marmur, N. V. Russeva. Vrach. delo no. 7:64-67 Jl '63.

Changes in the quantity of calcium in blood serum during hemorrhages, thromboses and embolias of cerebral blood vessels. A. V. Stepanian Zhur. eksp. i klin. med 3 no. 2:97-100 '63.

CERIUM COMPOUNDS

Tetravalent cerium sulfamate. A. K. Mustaev, R. T. IAkovenko. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 4:9-11 '63.

CERIUM FLUORIDE—OPTICAL PROPERTIES

Optical properties of fluorides of rare earth metals of the cerium group. L. R. Batsanova, G. N. Grigor'eva. Izv. Sib. otd. AN SSSR no. 2:115-118 '62.

CERVANTITE

Cervantite. L. B. Shlain Trudy Min. muz no 14 259-261 '63.

CESIUM

Mechanism underlying the volatilization of cesium coprecipitated with double nickel and potassium ferrocyanide at high temperatures. IU. N. Golovanov and others. Atom. energ. 15 no. 3 261-262 S '63.

CESIUM—ANALYSIS

Mass-spectrometric method of determining the microquantities of cesium I. V. Borovina, V. P. Nesterov, D. G. Fleishman. Radiokhimiia 5 no. 2:272-276 '63

CESIUM—THERMODYNAMIC PROPERTIES

Calculating the thermodynamic properties of cesium vapors at temperatures to 1500°K and pressures to 22 bars. N. I. Agapova, B. L. Paskar', L. R. Fokin. Atom. energ. 15 no. 1 202-204 O '63.

CESIUM COMPOUNDS

Separation of radioactive cesium from seawater Part 1: Separation of cesium as a compound with zinc, copper, and nickel ferrocyanides. V. P. Shvedov, L. M. Ivanova, V. I. Zharikov. Radiokhimiia 5 no. 2:182-185 '63

CESIUM FERROCYANIDE

Separation of radioactive cesium from seawater. Part 2: Separation of cesium as a compound with alkaline earth ferrocyanides. L. M. Ivanova, V. P. Shvedov. Radiokhimiia 5 no. 2 185-189 '63.

CESIUM FLUORIDE

Vacuum-thermal separation of cesium and potassium fluorides. A. S. Mikulinskii and others. Izv. SO AN SSSR no. 7, Ser. khim. nauk no. 2 105-107 '63.

CESIUM ISOTOPES

Calculation of the spectral-angular distribution of scattered gamma quanta from a Cs^{137} monodirectional point source in iron. I. R. Kimel', A. M. Panchenko, V. P. Terent'ev. Atom. energ. 15 no. 4 328-331 O '63.

CESIUM ISOTOPES—SPECTRA

Studying γ-radiation from Cs^{140} [with summary in English]. E. A. Zherebin and others. Zhur. eksp. i teor. fiz. 45 no. 3:464-468 S '63.

CESTODA

Study of the developmental cycle of the cestode Raillietina (Skrjabinia) fedjushini Skutar, 1963, a parasite of poultry. I. G. Skutar'. Dokl. AN SSSR 151 no. 6:1171-1175 Ag '63.

CETACEA

Marine animals let designers "share" in their "experience". V. Bel'kovich, A. IAblokov Nauka i zhizn' 30 no. 5:61-64c, 64b-c My '63

CEYLON—DESCRIPTION AND TRAVEL

On the island of eternal summer. T. Polozova. Sem'ia i shkola 18 no. 8 44-45 Ag '63.

CEYLON—EDUCATION

On the island of eternal summer. T. Polozova. Sem'ia i shkola 18 no. 8 44-45 Ag '63.

CHAINS—TESTING

Testing the durability of parts of cutter chains. V. N. Getopanov, V. I. Zaikov. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no 41 33-40 '62.

Unit for testing chain transmissions for wear. V. V. Usov. Trakt. i sel'khozmash. 33 no. 4:31-32 Ap '63.

CHAIRS

Bodies of chairs and armchairs from glass reinforced plastic materials. A. N. Orlov. Der. prom. 12 no. 6 20-21 Je '63.

Electric apparatus for chair varnishing. M. E. Belokon' and others. Der. prom. 12 no. 9:11-12 S '63.

Functional requirements of chair design. V. M. Nodel'man, Z. I. Diachun. Der. prom. 12 no. 10:13-14 O '63.

CHANCE

Interpretation of necessity and chance in V. I. Lenin's book "Materialism and empiric criticism." M. R. Deriapa. Nauch. zap. Zapor. gos. ped. inst. 7:47-60 '59.

CHAPAYEVSKIY DISTRICT—PEDDLERS AND PEDDLING

A truck store follows the flock. K. Tuleuov. Koop. Kazakh. 6 no. 3 45-46 Je '63.

CHARACTERS AND CHARACTERISTICS IN LITERATURE

The nature of artistic typification in the light of V. I. Lenin's theory of reflection. E. K. Mikson, A. G. Nosko. Nauch. zap. Zapor. gos. ped. inst. 7:175-193 '59.

"Simplicity" or "complexity?" N. V. Alekseieva. Rad. lit. 7 no. 4:3-16 Jl-Ag '63.

Some thoughts about the heroes of our time. P. I. Svider, V. I. Tyshchenko. Rad. lit. 7 no. 4:130-138 Jl-Ag '63.

CHARTER PARTIES

(see also subdivision under Great Britain)

Is there a need for charter parties in Soviet maritime law? M. K. Aleksandrov-Dol'nik. Inform. sbor. TSNIIMF no. 49, Mor. pravo i prak. no. 9:11-15 '60.

CHATTERJEE, SHIBA PRASAD, 1903-

The head of Indian geography, on Professor S. P. Chatterjee's 60th birthday. I. P. Gerasimov, A. M. Riabchikov. Izv. AN SSSR. Ser. geog. no. 5 157-158 S-O '63.

CHAVCHAVADZE, IL'IA GRIGOR'EVICH, 1837-1907

Il'ia Chavchavadze and the Ukraine. A. A. Kaspruk. Rad. lit. 7 no 5:55-59 S-O '63.

CHEBOKSARY—TEXTILE FACTORIES—DESIGN AND CONSTRUCTION

Construction of the spinning plant of the Cheboksary Cotton Works. A. V. Ivanov. Prom. stroi. 40 [i.e. 41] no. 6:6-9 Je '63.

CHEBOKSARY—TEXTILE INDUSTRY

Secret of achievements. V. Vishniakov. NTO 5 no 8 45-47 Ag '63.

CHECHEN-INGUSH A. S. S. R. — ANTIQUITIES

Grozny. Checheno-Ingushskii nauchno-issledovatel'skii institut iazyka i istorii. [Antiquities of the Chechen-Ingush A. S. S. R.] Drevnosti Checheno-Ingushetii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 276 p.

CHECHEN LITERATURE—BIBLIOGRAPHY see Bibliography—Chechen Literature

CHECHULIN, SERGEI IONOVICH, d. 1937

Scientific work of S. I. Chechulin; on the 25th anniversary of his death. S. V. Andreev. Pat. fiziol. i eksp. terap. 7 no 1 92-91 Ja-1 '63

CHEESE—TRANSPORTATION see subdivision under Georgia

CHEKAN, LEV IVANOVICH, 1899-1963

I. Chekan, obituary Spirt prom 29 no. 6:17 '63

CHEKHOV, ANTON PAVLOVICH, 1860-1904

Teplinskii, M. V. [Sakhalin journeys] Sakhalinskie puteshestviia. IUzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1962. 64 p. (NIC)

Teplinskii, M. V., and B. N. Barlatov. [A. P. Chekhov on Sakhalin] A. P. Chekhov na Sakhaline. [IUzhno-Sakhalinsk] Sovetskii Sakhalin, 1957. 95 p. (MH)

CHELYABINSK—FACTORIES—FIRES AND FIRE PREVENTION

In the Chelyabinsk Tractor Plant. A. Svistunov, V. Volkov. Pozh. delo 9 no. 7 20-21 Jl '63.

CHELYABINSK—INDUSTRIAL HYGIENE

Prophylaxis for angina incidence at industrial enterprises in Chelyabinsk. L. A. Gelnova and others. Zdrav. Ros. Feder. 7 no. 8.30-32 Ag '63.

CHELYABINSK—MEDICAL PERSONNEL

First conference of the medical workers of Chelyabinsk, leaders of the movement for communist work. I. M. Matovskii. Zdrav. Ros. Feder. 7 no. 9 45-46 S '63.

CHELYABINSK—MEDICINE, INDUSTRIAL

Results of the organization of a center for occupational diseases in Chelyabinsk. I. M. Matovskii and others. Zdrav. Ros. Feder. 7 no. 8 26-27 Ag '63.

CHELYABINSK—METALWORKERS

When you are a communist.... I. Didenko, P. Semenov. Part. zhizn' no. 18:41-44 S '63.

CHELYABINSK—TONSILS—DISEASES

Prophylaxis for angina incidence at industrial enterprises in Chelyabinsk L. A. Gelnova and others. Zdrav. Ros. Feder. 7 no 8:30-32 Ag '63.

CHELYABINSK—TRACTOR INDUSTRY

Maximum utilization of production potentials. IA. R. Bukhman. Mashinostroitel' no. 9.3-4 S '63.

CHELYABINSK PROVINCE—POLITICS AND GOVERNMENT

For our townspeople. A. Bychkov. Sov. deput. trud. no. 6:28-32 Je '63.

CHEMICAL APPARATUS

New machines, apparatus, and instruments. Khim. mashinostr. no. 5:44-46 S-O '63.

Protection of the internal surfaces of chemical apparatus. A. N. Nikolaev and others. Plast. massy no. 6:37-40 '63.

CHEMICAL APPARATUS—EXHIBITIONS

Exhibition of Achievements of the National Economy of the U. S. S. R.; new devices for the investigation of macromolecular compounds. G. O. Tatevosian. Plast. massy no. 10:69-71 '63.

CHEMICAL BONDS

Effect of outer-sphere cations on the stability of ligand fields in complex compounds. V. M. Simanov, O. E. Zvyagin, Zhur. neorg. khim. 8 no. 10 2329-2333 O '63.

CHEMICAL ELEMENTS

Trends in the development of chemistry. Nauka i zhizn' 30 no. 5:74-76 My '63.

[Journey into the land of the elements] Puteshestvie v stranu elementov. [By] L. Bobrov i dr. [Moskva] "Molodaia gvardiia," 1963. 366 p.

Karapet'iants, M. Kh., and S. I. Drakin, eds. [Laboratory work in general and inorganic chemistry] Prakticheskoe posobie po obshchei i neorganicheskoi khimii. [By] A. A. Kudriavtsev i dr. Moskva, Mosk. khimiko-tekhnologicheskii in-t im. D. I. Mendeleeva.

Pt. 2. [Work in the chemistry of elements] Raboty po khimii elementov. 1963. 122 p.

CHEMICAL ELEMENTS—SPECTRA

Gershman, D. M., and V. A. Gubanov. [Increase in sensitivity in the spectral determination of elements] Povyshenie chuvstvitel'nosti spektral'nogo opredeleniia elementov. Leningrad, 1963. 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Kontrol' kachestva produktsii, no. 2)

CHEMICAL ENGINEERING—COMPETITIONS

Contests for 1963 announced by the D. I. Mendeleev All-Union Chemical Society. Lakokras. mat. i ikh prim. no. 4 63 '63.

CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES

[Chemical and refrigeration machinery manufacture] Ref. zhur.: Khim. i khol. mashinostr. nos. 4, 11 Ap-N '63.

News of technology and equipment abroad. Khim. mashinostr. no. 5 46-47 S-O '63.

CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES—BIBLIOGRAPHY see Bibliography—Chemical engineering—Equipment and supplies

CHEMICAL ENGINEERING—HANDBOOKS, MANUALS, ETC

Radun, D. V. [Measurement of the temperature of liquid metals, moisture of substances, and concentration of solutions] Izmerenie temperatury zhidkikh metallov, vlazhnosti veshchestv i kontsentratsii rastvorov. Redaktor A. P. Viatkin. Moskva, Mosk. energ. in-t, 1962. 109 p.

CHEMICAL ENGINEERING—STUDY AND TEACHING

For the improvement of the theoretical training of chemical engineers. I. T. Shvets, A. T. Pilipenko, I. V. Piatnitskii. Vest. vys. shkoly 21 no. 9 16-19 S '63.

We need engineers for the application of plastics. A. D. Mustafaev. Vest. vys. shkoly 21 no. 9 21-23 S '63.

CHEMICAL GENETICS

Azernikov, V. Z. [Decoded code] Razgadannyi kod. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. X Seriia: Molodezhnaia, no. 15)

CHEMICAL INDUSTRIES

(see also subdivision under Czechoslovakia, Europe, Eastern, Saratov; Shebekino)

Activities of the party committee of the State Committee for the Chemical and Petroleum Industries. Part. zhizn' no. 19 38-42 O '63.

Brief news. Khim. volok. no. 5 78-80 '63.

Chemical industries are receiving a state-wide scope. V. Fedorov. Agitator no. 20 6-10 O '63.

Creation and expansion of the major chemical industry is our urgent task. Khim. volok. no. 5 1 '63.

High priority for major industrial chemical complexes. Mashinostroitel' no. 8:3-4 Ag '63.

Instruction on chemistry for propagandists. Polit. samoobr. 7 no. 10.141-143 O '63.

Large-scale chemistry on the screen. Iu. Poshemanskii, Iu. Pepin. Agitator no. 20 62-63 O '63.

Wide possibilities for major industrial chemical complexes. V. Kuz'min. NTO 5 no. 8:12-14 Ag '63.

CHEMICAL INDUSTRIES—CONGRESSES

Conference of the chemical workers of the Ukraine, the Baltic Sea region and Transcaucasia. Plan. khoz. 40 no. 10 90-96 O '63.

CHEMICAL INDUSTRIES—COSTS

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Manual of consolidated indices of the cost of planning and research] Spravochnik ukrupnennykh pokazatelei stoimosti proektnykh i izyskatel'skikh rabot. Moskva, Gosstroiizdat.

Pt. 12. [Enterprises of the chemical industry] Predpriiatiia khimicheskoi promyshlennosti. 1955. 77 p.

CHEMICAL INDUSTRIES—EQUIPMENT AND SUPPLIES

We shall introduce modern equipment to chemical industries (Coordination of the planning and design of new equipment for 1964-1965). M. D. Mazo. Khim. mashinostr. no. 5 1-3 S-O '63.

CHEMICAL INDUSTRIES—LABOR PRODUCTIVITY

Hidden potentialities in the chemical industry. Iu. Fialkov. Agitator no. 20 46-49 O '63.

CHEMICAL INDUSTRIES—MANAGEMENT see subdivision under Altyubinsk

CHEMICAL MACHINERY

(see also subdivision under Sverdlovsk, Tambov)

New machines, apparatus, and instruments. Khim. mashinostr. no. 5 44-46 S-O '63.

Fermentology in the domain of airtight chemical industrial machinery and equipment (discussion). N. P. Chernousov. Khim. mashinostr. no. 5:12-13 S-O '63.

Use of the International System of Units in the chemical machinery manufacture (discussion). I. N. Dmitriev, A. M. Nizovtsev. Khim. mashinostr. no. 5 39-42 S-O '63.

Shumskii, K. P. [Vacuum apparatus and control instruments in chemical machinery manufacture] Vakuumnye apparaty i pribory khimicheskogo mashinostroeniia. Moskva, Mashgiz, 1963. 555 p.

CHEMICAL MACHINERY—STANDARDS

Standards for machines with rotating drums. S. I. Voitik. Khim. mashinostr. no. 5:30-32 S-O '63.

CHEMICAL MODELS

Fluctuation model of a binary solution. A. N. Kirgintsev. Izv. Sib. otd. AN SSSR no. 2, 43-52 '62.

CHEMICAL PLANTS see subdivision under Novomoskovsk, Volzhsk region

CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

(see also subdivision under Gur'yev, Nevinnomyssk; South Kazakhstan Territory)

Chemical plants should be brought into operation without delay. Part. zhizn' no. 20 3-8 O '63.

Development of the chemical industry should be on a higher level. I. Barskov. Ekon. stroi. no. 9 25-32 S '63.

CHEMICAL PLANTS—ELECTRIC EQUIPMENT

Remote control of the converter systems of M-65 electric filters. V. E. Muneev. Prom. energ. 18 no. 9 14-16 S '63.

CHEMICAL REACTION, RATE OF

Approximate values of the rate constants of radiation reactions when a hydrated electron is involved. A. K. Pikaev, P. IA. Glazunov, Vikt. I. Spitsyn. Dokl. AN SSSR 151 no. 6:1387-1389 Ag '63.

Dependence of the reaction rate of carbon oxide decomposition on temperatures. B. K. Loksha. Izv. AN SSSR Otd. tekh. nauk, Met. i gor. delo no. 4:46-53 Jl-Ag '63.

CHEMICAL REACTIONS

Determining the equilibrium constant of the reaction of ammonia dissociation over a wide range of temperatures and pressures. Part 2 [with summary in English]. P. M. Kessel'man, A. G. Tabachnikov. Inzh.-fiz. zhur. 6 no. 8:78-81 Ag '63.

Free energies of intermolecular reactions in liquids. V. P. Tret'iakov, E. S. Rudakov. Izv. SO AN SSSR no. 7. Ser. khim. nauk no. 2 67-73 '63.

Interaction of rhenium heptoxide with calcium oxide in the presence of sulfurous anhydride. Iu. A. Nikiforov, V. D. Ponomarev. Trudy Inst. met. i obog. AN Kazakh. SSR 6 51-54 '63.

Thermodynamic analysis of solid-phase reactions in the system $SrCO_3$ - SiO_2. B. M. Matsveev, M. A. Matseveev. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 3: 59-62 '63.

CHEMICAL REDUCTION see Reduction, Chemical

CHEMICAL RESEARCH see subdivision under Germany, West, Moscow

CHEMICAL TESTS AND REAGENTS

Comparative study of reagents for the photometric determination of plutonium. A. A. Nemodruk, P. N. Palei, N. E. Kochetkova. Radiokhimiia 5 no. 3:335-342 '63.

CHEMICAL WARFARE

What should be the composition of the KhRD (Chemical Reconnaissance Patrol). I. Grabovoi. Voen. vest. 42 no. 11:37 N '62.

CHEMICAL WORKERS—EDUCATION AND TRAINING

Secondary school technical and vocational education in chemical occupations. D. A. Epshtein. Sov. pedag. 27 no. 8 48-55 Ag '63.

CHEMICALS

Economic effectiveness of the introduction of plastics into the chemical machinery manufacture. P. K. Timoshenko. Khim. mashinostr. no. 5:32-34 S-O '63.

CHEMICALS—PURIFICATION

Particularly pure. B. D. Stepin, V. G. Brudz'. Nauka i zhizn' 30 no. 5:64d-66 My '63.

CHEMISTRY

Aids for practical exercises on general chemistry. B. IA. Rozen, L. F. Mushina. Vest. vys. shkoly 21 no. 9:90-91 S '63.

At an advance position. A. Belokon'. Sov. pech. no. 10 15-17 O '63.

Queen of industries. V. Vasil'ev. Sov. pech. no. 9 1-7 S '63.

CHEMISTRY—ABSTRACTING AND INDEXING

Vieduts, G. E. [Scientific information problems in the field of chemistry] Nekotorye voprosy nauchnoi informatsii v oblasti khimii. Moskva, Izd-vo AKad. nauk SSSR.

No. 1. [Ways of improving the systematization of chemical indexes] O putiakh usovershenstvovaniia sistematiki khimicheskikh ukazatelei. 1961. 77 p. (Materialy po nauchnoi i tekhnicheskoi informatsii)

CHEMISTRY—ABSTRACTS

[Chemistry] Ref. zhur.: Khim. nos. 2, 9-10, 12-13, 16, 19 Ja, My-Ag, O '63.

CHEMISTRY—BIBLIOGRAPHY see Bibliography—Chemistry

CHEMISTRY—COMPETITIONS

Problems of the second round of the Moscow Chemistry Olympiad. S. Churanov. Nauka i zhizn' 30 no. 5:110-111 My '63.

CHEMISTRY—LABORATORY MANUALS

Karapet'iants, M. Kh., and S. I. Drakin, eds. [Laboratory work in general and inorganic chemistry] Prakticheskoe posobie po obshchei i neorganicheskoi khimii. [By] A. A. Kudriavtsev i dr. Moskva, Mosk. khimiko-tekhnologicheskii in-t im. D. I. Mendeleeva.

Pt. 2. [Work in the chemistry of elements] Raboty po khimii elementov. 1963. 122 p.

CHEMISTRY—PHILOSOPHY

For a more thorough study of the philosophical problems of chemistry. N. T. Abramova, R. V. Gavkavenko, I. I. Solonov. Vop. filos. 17 no. 8:176-180 '63.

CHEMISTRY—STUDY AND TEACHING

Glorlozov, P. A. [Forming skills and habits in the teaching of chemistry] Formirovanie umenii i navykov v protsesse obucheniia khimii. Izd. 2. Moskva, Uchpedgiz, 1963. 69 p.

CHEMISTRY, ANALYTICAL

Anikin, A. G., and G. M. Dugacheva. [Determination of the purity of organic substances] Opredelenie chistoty organicheskikh veshchestv. Otvetstvennyi redaktor IA. I. Gerasimov, A. F. Plate. [Moskva] Izd-vo Mosk. univ. 1963. 147 p.

Valuable manual. V. M. Shul'man. Izv. SO AN SSSR no. 7, Ser. khim. nauk no. 2 111 '63.

CHEMISTRY, ANALYTICAL—QUANTITATIVE

[Analytical chemistry; principles of quantitative analysis] Analiticheskaia khimiia; osnovy metodov kolichestvennogo analiza. Posobie k laboratornym zaniatiiam dlia studentov vsekh spetsial'nostei fiziko-metallurgicheskogo fakul'teta. [By] A. S. Andreev i dr. Leningrad, Leningr. politekhnicheskii in-t, 1962. 173 p.

CHEMISTRY, FORENSIC

(see also subdivision under Germany, East)

Determination of the Gm (a) serum property in blood stains and some organs and fluids of the human body. O. S. Budilkov. Sud.-med. ekspert. 6 no. 3:38-42 Jl-S '63.

Chemicolegal detection of para-toluidine and meta-dinitrobenzene. G. B. Migachev, N. I. Kitko. Sud.-med. ekspert. 6 no. 3:49-50 Jl-S '63.

Special method of detecting and determining chromium in biological material. V. D. Iablokkin. Sud.-med. ekspert. 6 no. 3:45-49 Jl-S '63.

CHEMISTRY, ORGANIC

Chichibabin, A. E. [Basic principles of organic chemistry] Osnovnye nachala organicheskoi khimii. Izd. 7. Pod red. P. G. Sergeeva i A. L. Libermana. Moskva, Goskhimizdat.

Vol. 1. 1963. 910 p.

Rashkes, IA. V. [Principles of the use of infrared spectroscopy in organic chemistry] Ob osnovakh primeneniia infrakrasnoi spektroskopii v organicheskoi khimii. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1963. 52 p.

Review of the textbook "Laboratory work in the organic chemistry course." I. O. Pishchikov. Sred. spets. obr. 10 no. 9:58-59 S '63.

CHEMISTRY, ORGANIC—SYNTHESIS

Onishchenko, A. S. [Diene synthesis] Dienovyi sintez. Moskva, Izd-vo Akad. nauk SSSR, 1963. 640 p.

Vsesoiuznyi nauchno-issledovatel'skii institut neftekhimicheskikh protsessov. [Oxo synthesis; oxo process production of aldehydes, alcohols, and secondary products based on them] Oksosintez; poluchenie metodom oksosinteza al'degidov, spirtov i tvorichnykh produktov na ikh osnove. Leningrad, Gostoptekhizdat, 1963. 213 p.

CHEMISTRY, PHYSICAL AND THEORETICAL

Gol'danskii, V.I. [Mossbauer effect and its application in chemistry] Effekt Messbauera i ego primenenila v khimii Moskva, Izd-vo Akad. nauk SSSR, 1963 81 p

Kurnakov, N.S. [Selected works] Izbrannye trudy Moskva, Izd-vo Akad. nauk SSSR
Vol 3 1963 567 p

CHEMOTHERAPY

Biochemical approaches to the chemotherapy of cancer A.K. Belousova Zhur VKHO 8 no. 1 413-421 '63.

Present-day status of the problem of chemotherapy of cancer E.L. Khomchenovskii, K.I. Karpavichus Zhur VKHO 8 no. 1 424-448 '63.

CHEREMKHOVO BASIN—COAL TAR

Pyrolysis of heavy tar obtained by semicoking of Cheremkhovo coals, D.M. Aptei, F.I. Kalinichenko. Izv. Sib. otd. AN SSSR no. 2 121-122 '62.

CHEREMKHOVO BASIN—COAL-TAR PRODUCTS

Use of distillation and oxidation to bring about a change in the binding properties of heavy coal-tar products obtained by semicoking of Cheremkhovo coals, V.P. Oladnikov, F.A. Klepikova, A.S. Galaganova. Izv. Sib. otd. AN SSSR no. 2 31-36 '62.

CHEREPOVETS—IRON AND STEEL WORKERS

Your party comrade, A. Razorenova. Mol. Komm. no. 6 82-84 Je '63.

CHEREPOVETS—STEEL INDUSTRY

Profitability of the Cherepovets Metallurgical Plant. G.S. Zeltser Stal' 23 no. 9 841-844 S '63

CHEREPOVETS DISTRICT—ECONOMIC GEOGRAPHY

The Cherepovets production-territorial complex and the problems of its development. V.IA. Rom. Izv. AN SSSR, Ser. geog. no. 5:51-59 S-O '63.

CHERKASSY—AQUATIC SPORTS

For the masses, that's the basis. P. Cherevishnyi. Voen. znan. 39 no. 9.29 S '63.

CHERKASSY PROVINCE—AGRICULTURAL WAGES

Issuing wages to fattening centers attached to sugar plants. A. Tkalia. Den. i kred. 21 no. 9:73-74 S '63.

CHERKASSY PROVINCE—FERTILIZERS AND MANURES

Our reliable helpers. I. Petukh, I. Klimenko. Agitator no. 20 40-42 O '63.

CHERKASSY PROVINCE—SOVIETS

Work experience of a village soviet. II. Bondarenko. Rad. pravo no. 3:33-35 My-Je '63.

CHERKASSY PROVINCE—SUGAR BEETS

Growing sugar beets with 70 cm. interrows. K. Khvylia. Tekh. v sel'khoz. 23 no. 2:10-11 F '63.

CHERNIGOV—NYLON

Chernigov capron. M. Bahrov. Nauka i zhyttia 13 no. 7 15 Jl '63

Chernigov "capron." S. Puchkov. Znan. ta pratsia no. 3:15 Mr '63.

CHERNIGOV PROVINCE—AFFORESTATION

Lupine in shelterbelt afforestation on eroded soils. A.I. Goncharr. Les. khoz. 16 no. 3:33-34 Mr '63.

CHERNIGOV PROVINCE—CITY PLANNING

Location of residential construction in cities. A. Karnobed. Zhil. stroi. no. 6:21-23 '63.

CHERNIGOV PROVINCE—LUPINE

Lupine in shelterbelt afforestation on eroded soils. A.I. Goncharr. Les. khoz. 16 no. 3:33-34 Mr '63.

CHERNIGOV PROVINCE—POPLAR

Practices in accelerated propagation of hybrid poplars. F.A. Rykhtik. Les. khoz. 16 no. 7:85 Jl '63.

CHERNOBYL'—EXCAVATING MACHINERY—MAINTENANCE AND REPAIR

In the Chernobyl' Repair Shop. S.N. Tiutiunnik. Mekh. sil'. hosp. 14 no. 4:21-22 Ap '63.

CHERNOV, ALEKSANDR ALEKSANDROVICH, 1877-1963

Aleksandr Aleksandrovich Chernov; obituary. G.G. Astrova. Pochv. zhur. no. 3:138-139 '63.

CHERNOV, VIKTOR IVANOVICH, 1903-1963

Viktor Ivanovich Chernov; an obituary. Vrach. delo no. 7:156 Jl '63.

CHERNOVTSY—EDUCATION

Department of Education of Chernovtsy University. I.I. Kobylianskii. Sov. pedag. 27 no. 8:157-158 Ag '63.

CHERNOVTSY PROVINCE see Bukovina

CHERNUKHA DISTRICT—HOME NURSING

Experience in organizing "a hospital in the home" at a rural district hospital. V.L. Eleinik, A.N. Kabanovskii. Zdrav. Ros. Feder. 7 no. 9:12-13 S '63.

CHERNYSHEVSKII, NIKOLAI GAVRILOVICH, 1828-1889

Pinaev, M.T. [Commentaries on N.G. Chernyshevskii's novel "What is to be done?"] Kommentarii k romanu N.G. Chernyshevskogo "Chto delat'?" Moskva, Uchpedgiz, 1963 230 p

CHERVONOGRAD—INDUSTRIES

Industrial Chervonograd V.P. Ohonovs'kyi Ukr. ist. zhur. 7 no. 4 99-101 Jl-Ag '63

CHESS

Chess. A. Gurvich. Sov. voin 45 no. 17:48 S '63.

Chess. A. Khavin Znan. ta pratsia no. 3, 31 Mr '63.

Chess. Kul't. i zhizn' 7 no. 4:48 '63.

Chess. Sov. voin 19 no. 18:48 S '63.

Chess. Voen. vest. 12 no. 11:127-128 N '62.

Chess. Voen. vest. 13 no. 9 127 S '63.

CHESS—OPENINGS

Suetin, A.S. [Basic theory of the opening in chess] Osnovy teorii shakhmatnogo debiuta. Minsk, Gos. izd-vo BSSR, 1962 238 p.

CHESS—TOURNAMENTS

Hurray for the new champion. Salo Flor Ogonek 41 no. 22, 28-29 My '63.

1. d2-d1. Salo Flor. Sov. pech. no. 5:48-49 My '63.

CHESS PROBLEMS

Chess. V. Liublinskii. Kul't. i zhizn' 7 no. 2:48 '63.

Solutions of the fourth-round problems of the chess Olympiad. O. Poliak. Nauka i zhyttia 13 no. 7 63 Jl '63.

CHEST—BLOOD SUPPLY

State of the collaterals in coarctation of the thoracic aorta M.N. Antchkov and others. Grud. khir. 4 no. 6 30-33 N-D '62.

CHEST—RADIOGRAPHY

Some ways of reducing the harmful effects of roentgen irradiation and improvement of the quality of chest radiography. A.I. Nesis. Vest. rent. i rad. 38 no. 1 57-59 Ja-F '63.

CHEST—SURGERY

Late results of thoracoplasty in tuberculous empyema [with summary in English]. N.V. Tatarskii Vest. khir. 90 no. 3 35-41 Mr '63

Surgical tactics in penetrating chest wounds under peace time conditions [with summary in English]. A.B. Rusakov. Grud. khir. 4 no. 6:51-54 N-D '62.

CHEST—WOUNDS AND INJURIES

A case of spontaneous pneumothorax following a closed thoracic trauma. M.Z. Kaushanskii, L.M. Fishov. Zdravookhranenie 6 no. 2 56-57 Mr-Ap '63

Surgical tactics in penetrating chest wounds under peace time conditions [with summary in English]. A.B. Rusakov. Grud. khir. 4 no. 6 51-54 N-D '62.

CHICKEN CHOLERA—PREVENTIVE INOCULATION

Effectiveness of antipasteurellosis vaccines of strains AB and K. G.A. Mikhal'skii, M.E. Antonova. Veterinariia 39 no. 9:47-49 S '62.

CHIKURACHKI VOLCANO

Eruption of the Chikurachki Volcano (Paramushir Island) in 1961. V.I. Fedorchenko, V.N. Shilov. Biul. Vulk. sta. no. 31:36-43 '63.

CHILD STUDY

Development of cognitive activity in small children. B. Stashkova. Doshk. vosp. 36 no. 7:72-74 Jl '63.

Development of perception in infancy and preschool childhood. L. Venger. Doshk. vosp. 36 no. 7:69-72 Jl '63.

CHILDREN

(see also subdivision under Leningrad)

Alonushka. V. Trusov. Sem'ia i shkola My '63.

Editor's mail. Sem'ia i shkola 18 no. 8:

CHILDREN—CARE AND HYGIENE

After a grippe. N. Burmistrova. Doshk. no. 7:113 Jl '63.

Are you getting ready to go south with your novlev. Sem'ia i shkola 18 no. 5:44 M.

Daily energy loss in 10 to 11 year-old children attending school pioneer camps. V.V. Maksimova 42 no. 1:48-50 Ja '63.

Let's raise healthy children. V. Tiagnibedova. vosp. 36 no. 7:17-18 Jl '63.

CHILDREN—DISEASES

Clinical characteristics of influenza caused by virus in restricted children's institutions; data from 1960 to 1961. K.S. Ladodo and others. Pediatriia 42 no. 1:42-47 Ja '63.

Coxsackie infections in children [with summary in English]. I.S. Vintovkina, F.G. Rsells. Pediatriia no. 1:37-42 Ja '63.

Duhring's herpetiform dermatitis and its treatment in children [with summary in English]. A.V. Khamaganova, A.A. Andrusova. Vest. derm. i ven. 37 no. 9:39-43 F '63.

"Fractures in the region of the elbow joint in children" by G.A. Bahrov Reviewed by A.A. Korzh Ortop., travm. i protez. 24 no. 2 87-88 F '63.

Intestinal diseases in children. N. IAkimina, N. Mordvinova. Sem'ia i shkola 18 no. 5.45 My '63.

Pivovarova, G.N. [Nervous diseases in schoolchildren and their prevention] Nervnye zabolevaniia u shkol'nikov i ikh preduprezhdenie, sovety roditeliam i vospitateliam Moskva, Medgiz, 1963 38 p (Nauchno-populiarnaia meditsinskaia literatura) (DNLM)

"Primary tumors of bones in children" by M.V. Volkov Reviewed by R.M. Minina. Ortop., travm. i protez. 24 no. 2 83-85 F '63.

Problem of multiple liver abscesses in children. B.M. Pontrovskaia Pediatriia 42 no. 1 78-79 Ja '63.

Study of the etiology of intestinal diseases with a dysenteric syndrome in children under the age of two. Kh.M. Slavina and others Trudy TashNIIVB 5 53-58 '62.

Two cases of giant tumors of the thymus gland in children [with summary in English]. M.N. Stepanova, V.A. Odinokova. Pediatriia 42 no. 1:62-63 Ja '63

Xeroderma pigmentosum M.G. Gulbis, S.A. Ialkovska Pediatriia 42 no. 1, 76-78 Ja '63

CHILDREN—LANGUAGE

Development of speech and orientation in their surroundings in two-year-old children. G. Liamina. Doshk. vosp. 36 no. 7:28-36 Jl '63.

Talks and discussions with the senior-group students. I. Shibalova Doshk. vosp 36 no. 8 43-46 Ag '63.

We correct children's speech. O. Pupova. Doshk. vosp. 36 no. 8 41-43 Ag '63.

CHILDREN—LAW

The forms of care for and the worship of the children of detained and imprisoned persons. A. Buriakov. Sov. iust. no. 15 14-15 Ag '63.

CHILDREN—MANAGEMENT

All children can learn well. M.I. Kozenko. Nach. shkola 31 no. 9 84-86 S '63.

How to overcome the psychology of a "C" student? L. Ruvinskii. Sem'ia i shkola 18 no. 9 4-5 S '63.

In the sky and on the earth. Mikhail Vodop'ianov. Sem'ia i shkola 18 no. 9 13-15 S '63.

Let's be friends to older children! S. Zenenko. Sem'ia i shkola 18 no. 5:2-4 My '63.

Let's penetrate the students' minds. V. Kut'ev. Shkola-int. no. 4 16-19 Jl-Ag '63.

Mail of "Sem'ia i shkola." I. Chibisov and others. Sem'ia i shkola 18 no. 5 24-29 My '63.

"May" and "may not." G.L. Doshk. vosp. 36 no. 7:112-113 Jl '63.

More and more activities N Kuryndin Shkola-int no. 4 43-46 Jl-Ag '63.

Pedagogical skills. R. Finkel'shtein. Doshk. vosp. 36 no. 7:82-85 Jl '63.

Responsibilities, rights and trust. E. Sharov. Sem'ia i shkola 18 no. 9:10-11 S '63.

School work of students. A. Lipkina. Sem'ia i shkola 18 no. 9 16, 45-46 S '63.

Student training should be ideological. R.D. Brusnichkina. Sov. pedag. 27 no. 8 10-19 Ag '63.

We train children through work. O. IAnushevskaia, D. Fel'dshtein. Doshk. vosp. 36 no. 9:13-21 S '63.

What do you mean by "working in a communist way"? S.H. Reutova. Rad. shk. 42 no. 5:52-55 My '63.

Word from a mother. N.G. Zaglada. Sem'ia i shkola

CHILDREN'S CLOTHING
Children's clothing and shoes. E. Rusakova. Doshk. vosp. 36 no. 7:18-21 Jl '63.
Stylish children's clothing. E. Vorob'eva, I. Samoshkina. Doshk. vosp. 36 no. 9:10-12 S '63
We are preparing for summer together with our children! N. Litvinova. Semlia i shkola 18 no. 5 46-47 My '63.

CHILDREN'S CLUBS
(see also subdivision under Moscow)
Shine, our beacon light! F. Grigolovich Prof.-tekh obr. 20 no. 7 12-13 Jl '63.

CHILDREN'S ENCYCLOPEDIAS AND DICTIONARIES
Among books. Semlia i shkola 18 no. 9: 36-40 S '63.

CHILDREN'S LITERATURE
(see also subdivision under Ukraine)
Against poorness and clichés. Kh. Akhtamzian. Doshk. vosp. 36 no. 7:75-77 Jl '63.
Among books. Semlia i shkola 18 no. 9 36-40 S '63.
Children's book as a work of art. S. Kheifits. Doshk. vosp. 36 no. 7:15-17 Jl '63.
For children about the past. N. Bolarskaia. Doshk vosp. 36 no. 8 107-109 Ag '63.
Good luck to good books. S. Burmistrova. Semlia i shkola 18 no. 8 36-37 Ag '63.
Holding their breath ... V. Kliushnikov Shkola-int. no. 4 72-73 Jl-Ag '63.
In the House of Children's Books. Shkola-int no. 4-79 Jl-Ag '63
It is not instruction!... O. Grudtsova. Semlia i shkola 18 no. 5:31-32 My '63.
"Twelve months." Reviewed by M. Nasteka. Doshk. vykh. 24 no. 5, 43-45 My '63.

CHILDREN'S LITERATURE—BIBLIOGRAPHY see Bibliography—Children's literature

CHILDREN'S LITERATURE, UKRAINIAN—BIBLIOGRAPHY see Bibliography—Children's literature, Ukrainian

CHILDREN'S POETRY
First acquaintance. K. Aron. Doshk. osp. 36 no. 7:118-123 Jl '63.
Voices of young poets for little children. L. Eliseeva. Doshk. vosp. 36 no. 9, 84-87 S '63.
Word and imagery in children's poetry. V. Razova, V. Bogusiavskaia. Doshk. vosp. 36 no. 7:114-118 Jl '63.

CHILE—LAND TENURE
Agrarian reform in Chile. A. D. Galkina. Vop. ist. 36 no. 9:175-176 S '63.

CHIMBAY—OIL INDUSTRIES
In the Chimbai Oil Mill. T. B. Abdiramanov Mast.-zhir. prom. 29 no. 8 31 Ag '63.

CHIMKENT—CONSTRUCTION INDUSTRY—QUALITY CONTROL
Have no pity on waste makers. N. Kon'ko. Nar. khoz. Kazakh. 21 no. 4:28-31 Ap '63.

CHIMKENT PROVINCE—AGRICULTURE
Types of agricultural production in the cotton planting regions of Chimkent Province, southern Kazakhstan. I. M. Nazarenko. Trudy Otd. geog. AN Kazakh. SSR no. 10 117-136 '63.

CHIMKENT PROVINCE—INDUSTRIAL MANAGEMENT
Who controls the introduction of recommendations. A. Kir'ianova, A. Panichev. Nar. khoz. Kazakh. 21 no. 4:21-25 Ap '63.

CHIMKENT PROVINCE—TECHNOLOGICAL INNOVATIONS
There is a need for corrections, supplements and amendments. N. Bobir Nar. khoz. Kazakh. 21 no. 4:46-50 Ap '63.

CHIMPANZEES
trace-imitation and conditioned trace-
Chimpanzees. L. A. Firsov. Vop. antr.
1.
ATION AND AWARD
tate Council of the Chinese People's
establishment of the Maritime Arbi-
sion attached to the Chinese Committee
ment of Foreign Trade. Inform. sbor.
Mor. pravo i prak. no. 9:56-58 '60.
dural rules of the Maritime Arbitra-
attached to the Chinese Committee
ment of Foreign Trade. Inform. sbor.
Mor. pravo i prak. no. 9:58-62 '60.
IST PARTY
tandard-bearer of communism. Komm.
8-23 Ag '63.
role of protectors of the personality
i. Part. zhizn' no. 20:16-23 O '63.
ASSISTANCE, RUSSIAN
nce and Peking theories. Z. Mirskii.
no. 38:8-10 S '63.
slanderers S. Sustretov. Agitator
'63.

CHINA—ECONOMIC CONDITIONS
"Blind faith" or just blindness? Evgenii Voskresenskii. Ogonek 41 no. 41:28-29 O '63

CHINA—FOREIGN RELATIONS
Russia (1923- U S S R.) [Declaration of the Soviet government] Zaiavlenie Sovetskogo pravitel'stva. Moskva, Politizdat, 1963. 63 p. ("Pravda," September 21-22, 1963)
The imperative of our times. IU. Popov. Part. zhizn' no. 19 21-27 O '63.
The main problem of the 20th century. A. Ermonskii, D. Mel'nikov, N. Talenskii. Mezhdunar. zhizn' 10 no. 9:10-20 S '63
The new and the old. Nov. vrem. 21 no. 37 1-2 S '63.
A philosophy of adventurism and fatalism Sovremennik. Nov. vrem. 21 no. 37 3-5 S '63.
The revolutionary process and peaceful coexistence. A. Bovin. Nov. vrem. 21 no. 42:5-8 O '63
The struggle for peace and the international communist and workers' movement. Jacques Duclos. Part. zhizn' no. 20, 68-73 O '63
To whose advantage is peaceful coexistence? (With English summary in insert.) Az. i Afr. seg. no. 10 2-3 O '63.

CHINA—FOREIGN RELATIONS—RUSSIA
Russia (1923- U. S. S. R.). [Declaration of the Soviet government] Zaiavlenie Sovetskogo pravitel'stva. Moskva, Politizdat, 1963. 30 p. ["Pravda," August 21, 1963]
My answer to the slanderers. S. Sustretov. Agitator no. 20 15-17 O '63.
Our commentaries. Nov. vrem. 21 no. 40 1-3 O '63.
Our readers' opinions of China's policy Nov. vrem. 21 no. 38:10-11 S '63.

CHINA—HISTORY
Destruction of the state apparatus of the Kuomintang in China. V. A. Patiulin Sov. gos. i pravo no. 10, 47-59 O '59.

CHINA—HISTORY—SOURCES
Source materials on Chinese relations with the Kirghiz of the Yenisey Valley in "Li Wei kung hui ch'ang i p'in chi," a historical source of the ninth century. G. P. Suprunenko. Izv. AN Kir. SSR. Ser. obshchestv. nauk 5 no. 1:87-91 '63.

CHINA—MARITIME LAW
Decision of the State Council of the Chinese People's Republic on the establishment of the Maritime Arbitration Commission attached to the Chinese Committee for the Development of Foreign Trade. Inform. sbor. TSNIIMF no. 49, Mor. pravo i prak. no. 9:56-58 '60.
Temporary procedural rules of the Maritime Arbitration Commission attached to the Chinese Committee for the Development of Foreign Trade. Inform. sbor. TSNIIMF no. 49, Mor. pravo i prak. no. 9:58-62 '60.

CHINA—OIL FIELDS
New oil fields in China. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 3:124 '61.

CHINA—RELATIONS (GENERAL) WITH RUSSIA
Falsehood on the air. V. Kulikov. Sov. pech. no. 10:56-58 O '63.
In a distorting mirror. G. Mikhailov. Sov. pech. no. 9: 58-59 S '63.
The voice of reason against lies. I. Aleksandrov. Sov. pech. no. 10:12-13 O '63.

CHINESE AUTHORS see Authors, Chinese

CHINGISTAU—MAMMALS
Materials on mammals of the Chingistau [with summary in English] D. I. Bibikov, I. I. Stogov Biul. MOIP, Otd. biol. 68 no. 4 14-23 Jl-Ag '63

CHIOLITE see subdivision under Taymyr National Area

CHIRCHIK—AGRICULTURAL MACHINERY INDUSTRY—PRODUCTION STANDARDS
Vocation. S. Vladimirov. Nar. khoz. Uzb. 5 no. 9:31-33 S '63.

CHITA PROVINCE—GRANITE
Recent data on the geology of the Taydut massif of alkaline granitoids (Transbaikalia). V. I. Fel'dman. Trudy MGRI 39:66-72 '63.

CHITA PROVINCE—TENT CATERPILLARS—BIOLOGICAL CONTROL
Effect of Dasychira albodentata on the multiplication of the tent caterpillar Dendrolimus sibiricus. N. V. Gorshkov. Les. khoz. 16 no. 8. 47 Ag '63.

CHITAIA, GEORGII SPIRIDONOVICH, 1890-
Bibliography of G. S. Chitaia's published works Mat. po etn. Gruz. no. 12/13:17-36 '63.

CHKALOV PROVINCE see Orenburg Province

CHKALOVITE
Some new data on chkalovite. T. A. IAkovlevskaia, E. I. Semenov. Trudy Min. muz. no. 14:265-267 '63.

CHLORIDES
Interaction between gallium, sodium, copper (I), and silver chlorides. P. I. Fedorov, V. M. IAkunina. Zhur. neorg. khim. 8 no. 9 2103-2105 S '63.
Solubility isotherm of the system $ZrOCl_2 - CaCl_2 - HCl - H_2O$ at 25°. I. G. Kamaeva, V. V. Serebrennikov. Zhur. neorg. khim. 8 no. 9 2151-2154 S '63.
Solubility of iron and aluminum chlorides in titanium tetrachloride. N. N. Ruban, V. D. Ponomarev, K. A. Vinogradova Trudy Inst. met. i obog. AN Kazakh. SSR 6 22-29 '63.
Stability of chloride complexes of lead, bismuth, and cadmium. V. E. Mironov, V. A. Fedorov, V. A. Nazarov. Zhur. neorg. khim. 8 no. 9, 2109-2112 S '63.
Study of the behavior of Sr^{90} in melts by the method of isomorphic coprecipitation in the systems $PbCl_2 - SrCl_2 - LiCl$ and $PbCl_2 - SrCl_2 - NaCl$. V. B. Kleimenov, N. S. Kolesnikova. Radiokhimiia 5 no. 3:284-289 '63.

CHLORINATION
Chlorination and sulfochlorination of polyolefins. B. A. Krentsel', D. E. R'ina, S. A. Adylov. Plast. massy no. 6:3-8 '63.

CHLORINE
Thermochemical study of the reduction reaction of chlorine dioxide and chlorine with sulfuric anhydride in water solutions at various temperatures. I. I. Ellis, K. P. Mishchenko, T. A. Tumanova. Trudy LTI(USSR) no. 11:94-98 '62.

CHLORINE—ANALYSIS
Automatic measurement of chlorine concentration in anodic gas. V. I. Konstantinov, S. M. Sutovskii. Tsvet. met. 36 no. 5 45-51 My '63.

CHLORITES
(see also subdivision under Erivan region)
Chlorites from crystal-bearing quartz veins [with summary in English]. E. I. Lavrenko, E. M. Laz'ko Min. sbor. no. 16 171-180 '62.

CHLOROFORM—SPECTRA
Vibrational spectra of chloroform and deuterochloroform in the liquid and crystalline states. L. I. Makinkov, V. N. Nikitin, A. V. Purkina. Opt. i spektr. 15 no. 3: 332-337 S '63.

CHLOROPHOS
Change in the sensitivity of the house fly Musca domestica L. to chlorophos, applied for 5 seasons in the field [with summary in English]. V. A. Lineva Med. parazit. i parazit. bol. 32 no. 1 92-95 Ja-F '63.
Chlorophos as a highly efficient preparation for controlling pests feeding on leaves. B. A. Areshnikov and others. Les. khoz. 16 no. 3:35-37 Mr '63.
Chlorophos in cattle thelaziasis. V. P. Meshchaninov, I. IA. Enilin. Veterinariia 39 no. 9:27-28 S '62.
Disinfection of granaries with chlorophos. M. A. Fedchenko. Zashch. rast. ot vred. i bol. 8 no. 9:27 S '63.
Ixodid tick control. U. IA. Uzakov. Veterinariia 39 no. 9, 68-70 S '62.

CHLOROPHYLL
Early stages of the formation of pigments in some plants T. N. Godnev, E. F. Shabr'iskaia. Dokl. AN BSSR 7 no. 6:414-417 Je '63.

CHLOROPRENE
Investigating the properties of the gels from chloroprene L-7 latex M. I. Shepelev and others Kauch. i rez. 22 no. 8 27-32 Ag '63
Vulcanization of chloroprene rubber with epoxy resins. N. D. Zakharov, G. A. Maiorov. Kauch. i rez. 22 no. 8 8-11 Ag '63.

CHLOROSULFONYLATION
Chlorination and sulfochlorination of polyolefins. B. A. Krentsel', D. E. R'ina, S. A. Adylov. Plast. massy no. 6:3-8 '63.

CHLORPROMAZINE
Dermatitis in workers handling aminazine. P. I. Kholefil. Viach. delo no. 7:160 Jl '63.
Effect of aminazine on conditioned reflex activity in dogs S. A. Saakian. Zhur. eksp. i klin. med. 3 no. 2:11-16 '63
Use of reserpine and aminazine for the treatment of some forms of climacteric neuroses. A. M. Raskin. Akush. i gin. no. 2 65-69 '63.

CHLORTETRACYCLINE
Conference on the production of biomycin and vitamin concentrates. A. M. Makukhina. Sprit. prom. 29 no. 6. 38-39 '63.
Effect of chlortetracycline and cortisone on the cholesterol level of the blood serum in patients with acute bacillary dysentery [with summary in English]. G. S. Mironov, A. I. Mikhailov, L. E. Astakova. Antibiotiki 7 no. 7:636-638 Jl '63.
Effect of chlortetracycline on the riboflavin balance. T. P. Novoshilova. Antibiotiki 7 no. 7 631-635 Jl '62.
Industrial plant for the production of feed biomycin. A. N. Vernyi, B. IA. Gofshtein. Sprit. prom. 29 no. 6 31-32 '63.

CHOLESTEROL

Clinical testing of feneksol, an anticholesteremic preparation. Z. L. Zil'berman. Vrach. delo. no. 9:141-5 '63.

Content of cholesterol in the blood serum of rabbits with a myocardiac infarct and the effect of Zizyphora preparations on the level of this sterol. Sh. Zh. Zhangozin. Izv. AN Kaz. SSR, Ser. med. nauk. no. 2:17-26 '63.

Dynamics of blood cholesterol in psoriasis patients depending on the methods of treatment. N. I. Tumasheva. Vrach. delo. no. 9:110-3 '63.

Effect of chlortetracycline and cortisone on the cholesterol level of the blood serum in patients with acute bacillary dysentery [with summary in English]. G. S. Mironov, A. I. Mikhailov, L. E. Astakova. Antibiotiki. 7 no. 7:635-638 Jl '62.

More on cholesterol. K. Petrovskii. Nauka i zhizn'. 30 no. 9:26-8 '63.

Variety is the basis for rational nutrition. O. Molchanova. Nauka i zhizn'. 30 no. 9:26-27 S '63.

CHOLESTEROL—METABOLISM

Significance of Kunkel's phenol test for the diagnosis of atherosclerosis [with summary in English]. V. P. Nedvedev. Ter. arkh. 35 no. 2:60-66 F '63.

CHOLINE

Mediator metabolism of the myocardium in compensatory hyperfunction and hypertrophy of the heart [with summary in English]. F. Z. Meerson and others. Pat. fiziol. i eksp. terap. 7 no. 1:32-36 Ja-F '63.

Role of acetylcholine in the induction of excitation in receptors. O. P. Dobromyslova. Zdravookhranenie. 6 no. 2:31-35 Mr-Ap '63.

CHOLINESTERASE

Activity of cholinesterase in different tissues of white mice in experimental poliomyelitis. L. V. Donskaia, R. A. Khaumna. Pat. fiziol. i eksp. terap. 7 no. 2:70-71 Mr-Ap '63.

Intravital and postmortem diagnosis of poisonings by anticholinesterase substances, survey of the literature. IA. S. Smushi, N. K. Truentov. Sud.-med. ekspert. 6 no. 3:28-33 Jl-S '63.

CHORAL MUSIC see subdivision under Karelia

CHOREA

Choreal syndrome combined with polyneuritis in diabetes mellitus. I. IA. Dymshits. Vrach. delo. no. 7:141-143 Jl '63.

CHORION

Current data on the histochemistry of the human chorion; review of literature. A. I. Brusilovskii. Akush. i gin. no. 2:11-15 '63.

CHRISTIANITY

Necessary for an atheist, useful for the believer. E. Chernilevskaia. Nauka i rel. 1 no. 5:89-90 My '63.

CHRISTIANITY AND INTERNATIONAL AFFAIRS

Religion and church abroad. Nauka i rel. 1 no. 5:43 My '63.

CHROMATOGRAPHIC ANALYSIS

Chromatography of heavy metals on silica gel. A. P. Dushina, V. B. Aleskovskii. Zhur. neorg. khim. 8 no. 9:2104-2107 S '63.

Use of ion exchange resins as aqueous phase carriers in partition chromatography. Separation of Zn, Cd, and Hg. L. N. Moskvin, B. K. Preobrazhenskii, L. N. Rzhanitsyna. Radiokhimiia. 5 no. 3:299-304 '63.

CHROMATOPHORES

Study of triazine derivatives as regulators of plant growth. V. Change in the photochemical activity of chloroplasts under the influence of simazine and atrazine. S. M. Mashtakov, R. A. Prokhorchik. Dokl. AN BSSR. 7 no. 8:557-560 Ag '63.

CHROMITE see subdivision under Aktyubinsk Province

CHROMIUM

Photocolorimetric determining of chromium in the commercial solutions of titanium sulfate. M. IU. Dolmatova. Lakokras. mat. i ikh. prim. no. 4:52-53 '63.

Special method of detecting and determining chromium in biological material. V. D. IAblochkin. Sud.-med. ekspert. 6 no. 3:45-49 Jl-S '63.

Static capacity of exchange of the KB-4 cation exchanger in chromium (III) as dependent on the conditions of absorption. E. S. Mikhanosha, A. V. IUdin, V. M. Barboi. Izv. vys. ucheb. zav.: tekh. leg. prom. no. 4:34-38 '63.

CHROMIUM—PHYSIOLOGICAL EFFECT

Effect of hexavalent chromium on microorganisms. V. S. Cherevatyi. Zdrav. Kazakh. 23 no. 2:70-71 '63.

CHROMIUM-IRON-COBALT ALLOYS

Alloys of chromium with iron and cobalt. A. T. Grigor'ev, V. V. Kuprina. Zhur. neorg. khim. 8 no. 10:2351-2354 O '63.

CHROMIUM-MANGANESE STEEL—TESTING

Chromium-manganese steel for large forgings. M. P. Braun and others. Metalloved. i term. obr. met. no. 10:1-9 O '63.

CHROMIUM-NICKEL ALLOYS—METALLOGRAPHY

Fine structure of the KhN77TIU alloy containing rare-earth metals. T. V. Svistunova, G. V. Estulin. Metalloved. i term. obr. met. no. 8:27-33 Ag '63.

CHROMIUM-NICKEL STEEL—BRITTLENESS

Brittleness of 1Kh21N5T chromium-nickel steel. E. A. Kovaleva, I. V. Salli. Metalloved. i term. obr. met. no. 10:11-16 O '63.

CHROMIUM-NICKEL STEEL—HEAT TREATMENT

Heat treatment of cold-worked Kh18N9T steel. N. N. Liulicheva, N. V. Pisareva. Metalloved. i term. obr. met. no. 10:11-12 O '63.

CHROMIUM-NICKEL STEEL—METALLOGRAPHY

Effect of sintering temperatures on the shrinkage, properties and the structure of briquets made of chromium-nickel steel powders. R. A. Andrievskii, V. L. Kalikhman, S. M. Solonin. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo. no. 2:104-111 Mr-Ap '63.

CHROMIUM-NICKEL STEEL—TESTING

Properties of Kh18N12M2T stainless steel containing rare-earth metal oxides. L. M. Savitskii and others. Metalloved. i term. obr. met. no. 8:33-38 Ag '63.

CHROMIUM OXIDES

Effect of chromium oxides on the viscosity and conductance of melts in the system silicon oxide - magnesium oxide - aluminum oxide. R. A. Liutikov, L. M. TSylev. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo. no. 2:59-66 Mr-Ap '63.

CHROMIUM PLATING—TESTING

Breakdown of hard columns plating caused by a rocking movement. A. S. Silkin, V. A. Kakucevitskii. Vest. mashinostr. 43 no. 9:35-36 S '63.

CHROMIUM SALTS

Interaction between copper and chromium salts. I. S. Mustafin, V. N. Ionskaia, R. K. Terekhova. Zhur. neorg. khim. 8 no. 10:2311-2317 O '63.

Use of hydrophilic polymers for producing the face layer of artificial leather with a protein fiber base. Report No. 1. Increasing the elasticity of films with an AK 60/40 polyamide base by means of the addition of methylol polyamide and salts of trivalent chromium. G. M. Otopkov, S. A. Pavlov. Izv. vys. ucheb. zav.: tekh. leg. prom. no. 2:40-47 '63.

CHROMIUM STEEL—FATIGUE

Dependence of the contact fatigue strength of ShKh15 steel on phase transformations in the surface layer. G. T. Nazarenko. Metalloved. i term. obr. met. no. 10:12-16 O '63.

Effect of work hardening on the fatigue resistance in 18KhNVA steel at high temperatures. I. V. Kudriavtsev, E. V. Rymynova. Metalloved. i term. obr. met. no. 9:33-37 S '63.

CHROMIUM STEEL—TESTING

Effect of cerium on the mechanical properties of 15KhIMIF steel. N. S. Kreshchanovskii, V. R. Nazarenko, G. A. Ryzhkova. Metalloved. i term. obr. met. no. 8:23-27 Ag '63.

Properties of vacuum-refined ShKh15 steel. K. A. Radiukin, V. Z. Tsoitlin. Metalloved. i term. obr. met. no. 10:9-12 O '63.

CHROMIUM STEEL—WELDING

Welding cromanail steel tanks and pressure vessels with a nonconsumable electrode and a double gas shield. V. E. Remizov, M. M. Ravin. Avtom. svar. 16 no. 9:72-74 S '63.

CHROMIUM-VANADIUM STEEL—METALLOGRAPHY

Effect of ultrasonic waves on the isothermal decomposition of austenite in KhVG steel. E. G. Arzentson, L. V. Spivak. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo. no. 2:124-129 Mr-Ap '63.

CHROMOSOMES

Lysis of chromosomes and the blockade of the spindle. B. N. Sidorov, N. N. Sokolov. Biul. MOIP. Otd. biol. 68 no. 5:78-91 S-O '63.

CHRYSOBERYL see subdivision under Megri District

CHRYSOIDINE

Adsorption of chrysoidine in minerals and its significance in studying oil-bearing terrigenous sediments. Ch. M. Khalifazade. Izv. vys. ucheb. zav.: neft' i gaz. 4 no. 3:17-21 '61.

CHUCKS

Cantilever turning chuck holder. M. V. Evdiukov. Mashinostroitel' no. 8:15 Ag '63.

Universal boring chuck. A. S. Ivashkov. Mashinostroitel' no. 9:32 S '63.

Universal V-shaped three-cam chuck. A. I. Gil'man, V. I. Orkin. Mashinostroitel' no. 9:31 S '63.

CHULYM-YENISEY LOWLAND—OSTRACODA, FOSSIL

New species of Ostracoda from Jurassic sediments in the Chulym-Yenisey Lowland. O. IU. Kachurc. Mat. po geol. Zap. Sib. no. 63:203-207 '62.

CHUM SALMON see subdivision under Teplovka River

CHURAPCHA DISTRICT—MOSQUITOES

Phenological observations on Anopheles maculipennis messeae in the Yakut A. S. S. R. in 1959 [with summary in English]. G. I. Frmolaev. Med. parazit. i parazit. bol. 32 no. 1:88-92 Ja-F '63.

CHURCH CALENDAR

[Orthodox Church calendar for 1963] Pravoslavnyi tserkovnyi kalendar' na 1963 god. [Moskva] Izd. Mosk. Patriarkhii [n. d.] 79 p.

CHURCH LANDS see subdivision under Macedonia, Serbia

CHUSOVAYA VALLEY—ALGAE, FOSSIL

Ecology of Late Triassic foraminifers and algae. B. I. Chuvashev. Paleont. zhur. no. 3:3-9 '63.

CHUSOVAYA VALLEY—FORAMINIFERA, FOSSIL

Ecology of Late Triassic foraminifers and algae. B. I. Chuvashev. Paleont. zhur. no. 3:3-9 '63.

CHUVASH LANGUAGE—SYNTAX

Chernov, M. F. [Detached parts of the sentence in modern Chuvash] Obosoblennye chleny predlozhenii v sovremennom chuvashskom iazyke. Pod red. M. M. Mikhailova. Cheboksary, Chuvashskoe knizhnoe izd-vo, 1963. 201 p.

CHUVASHIA—COMMUNIST YOUTH LEAGUE

[Birth of the Communist Youth League in Chuvashia] Rozhdenie komsomola Chuvashii. Cheboksary, Chuvashskoe gos. izd-vo, 1961. 110 p. (CSI-H)

CHUVASHIA—HOPS—DISEASES AND PESTS

Practices in controlling hop pests. G. E. Arkhipov. Zashch. rast. ot vred. i bol. 8 no. 4:24-25 Ap '63.

CHUVASHIA—SOCIAL CONDITIONS

Kuz'min, V. L. [Chuvashia during the first years of the large-scale building of communism, 1959-1962] Chuvashskaia ASSR v pervye gody razvernutogo stroitel'nogo kommunizma, 1959-1962 gg. Cheboksary, Chuvashskoe knizhnoe izd-vo, 1963. 89 p.

CICATRICES

Development of cancer on old scars and following chronic osteomyelitis. A. G. Sadykov, B. V. Fershter. Ortop., travm. i protez. 24 no. 2:51-57 F '63.

CIMMERIAN BOSPORUS (KINGDOM)

Discussing the problem of the Saumakos Rebellion. E. L. Kazakevich. Vest. drev. ist. no. 1:57-70 '63.

CIRCULAR SAWS

(see also subdivision under Nal'chik)

Attachment to the "Druzhba" gasoline-engine saw. I. A. Pilipenok. Les. khoz. 16 no. 3:50 Mr '63.

Scrapet saw. A. P. Denkach. Der. prom. 12 no. 1:29 Ap '63.

CITIES AND TOWNS see subdivision under Alma-Ata Province; Dzungarian Alatau region, Europe, Western

CITIZENSHIP (INTERNATIONAL LAW)

The role of nationality in present-day international law. S. V. Chernichenko. Vest. Mosk. un. Ser. 10 Pravo. 18 no. 3:52-61 Jl-S '63.

CITRAL

Use of citral in conjunction with retrotonsillary injections of novocaine with a 5% alcohol admixture in the treatment of chronic tonsillitis. A. B. Likelis. Zhur. ush., nos. i gorl. bol. 23 no. 1:66-67 Jl-Ag '63.

CITRATES

Structure of a citrate complex of manganese (II). A. I. Shnarevich. Zhur. neorg. khim. 8 no. 9:2074-2079 S '63.

CITRIC ACID see subdivision under Belgorod

CITRUS FRUITS—DISEASES AND PESTS see subdivision under Georgia

CITY PLANNING

(see also subdivision under Chernigov Province; Dyubendi, Kiev; Kustanay; Moscow)

Vehicular and pedestrian routes in a residential district. G. Shaufler. Arkhit. SSSR no. 5:37-41 '63.

CIVIL LAW see subdivision under Germany, East, Ukraine

CIVIL RIGHTS see subdivision under Great Britain

CLASSICAL ANTIQUITIES see subdivision under Black Sea region

CLASSICAL DRAMA (COMEDY)

"Historical study of the portrayal of slaves in the comedies of Plautus and Terence" [in German] by Peter P. Spranger. Reviewed by M. G. Vest. drev. ist. no. 1:137-141 '63.

CLASSICAL POETRY—HISTORY AND CRITICISM

Fedorov, N. A. [Greek lyric poetry; a lecture] Grecheskaia lirika, lektsiia. [Moskva] Izd-vo Mosk. univ. 1963 41 p.

CLASSIFICATION—BOOKS

Some problems of Soviet library and bibliographical classification O P Testenko Trudy Gos bibl SSSR 6 136-154 '62

CLASSIFICATION—GEOGRAPHY

Present state of the geography section in the Universal Decimal Classification and its use in the abstract journal "Geografiia " S. A. Gavrilova, V. G. Boldov. NTI no 8 11-12 '63.

CLAVICLE—FRACTURE

Usova, M. M. [Closed injuries of the clavicle] Zakrytye povrezhdeniia kliuchitsy. Leningrad, Medgiz, 1963, 103 p (Biblioteka prakticheskogo vracha) (DNLM)

CLAY

(see also subdivision under Armenia; Caucasus, Northern; Dnieper Valley)

Concerning the nature of the high sensitivity of quick clays. N. IA. Denisov Osn., fund. i mekh. grun. 5 no. 6 5-8 '63.

Effect of alkaline tanning materials on aqueous clay suspensions [with summary in English]. A. K Miskarli, V. IA. Zemlianskaia. Koll. zhur. 25 no 5:572-577 S-O '63.

Study of the distribution of clay minerals for purposes of engineering geology. E M Sergeev and others Vest. Mosk. un Ser. 4, Geol 18 no. 3 3-9 My-Je '63

Variegated Jurassic clays as components of raw charges in the production of cement. S. T. Tokhtakhodzhaev. Uzb. khim. zhur. 7 no. 4 11-17 '63.

CLAY—ADSORPTIVE PROPERTIES

Changes in the chemical composition of petroleums caused by the adsorptive properties of clay rocks A. G. Mileshina, G. I. Safonova Geol nefti i gaza 7 no. 8 7-10 Ag '63.

CLAY—ANALYSIS

(see also subdivision under Gissar Range region, Volga Valley)

Effect of the mineral composition of the clay on the relationship between the natural radioactivity of sedimentary rocks and their clay content. IU. I. Serikov. Trudy MINKHIGP no. 41 247-252 '63.

CLAY—RADIOACTIVE PROPERTIES see subdivision under Kuma Valley; Terek Valley

CLEANING AND DYEING INDUSTRY see subdivision under Ukraine

CLEANING COMPOUNDS

Colloid chemical properties of solutions of sulfonol NP and its analogs and their detergent action [with summary in English]. S. A. Nikitina, V. A. Spiridonova Koll. zhur. 25 no. 5:581-586 S-O '63.

From the patent literature. Masl.-zhir. prom. 29 no. 8:36-37 Ag '63.

Make way for light! Okhr. truda i sots. strakh. 6 no. 9:46 S '63.

Relation between the critical concentrations in micelle formation and the detergency of the aqueous solutions of the mixture of primary and secondary alkyl sulfates. M. P. Bespiatov, Zh. IA. Leshchenko. Masl.-zhir. prom. 29 no. 9:19-22 S '63.

Younger sister. I. Titova. Znan.-sila 38 no. 3:3-4 Mr '63.

CLEARING OF LAND

(see also subdivision under Russia, Northwestern)

The RKSh-4 rotary stump grubber. P. P. Nazarevskii. Trakt. i sel'khozmash. 33 no. 4:36 Ap '63.

CLEMENS, SAMUEL LANGHORNE, 1835-1910

"Mark Twain is an active volcano!" A. Elistratova. Vop. lit. 7 no. 9:224-228 Ag '63.

CLERKS (RETAIL TRADE)

(see also subdivision under Simferopol')

Rada Kochergina's life. E. Samoilova. Kul't. i zhizn' 7 no. 4:18-19 '63.

CLIMACTERIC

Characteristics of the effect of sex steroid hormones on systemic motor conditioned reflexes in patients with climacteric syndrome. E. M. Vikhliaeva, IU. F. Zmanovskii. Akush. i gin. no. 2:58-65 '63.

Comparative data on the excretion of 17-ketosteroids in women with a presenile psychosis and a climacteric syndrome [with summary in English]. S. I. Ochan, N. I. Ignatova, M. V. Shukhgalter. Vrach. delo no. 9:76-80 S '63.

Use of balneotherapy in climacteric angioneurosis. K. Balák, A. Soboyá. Akush. i gin. no. 2:69-71 '63.

Use of reserpine and aminazine for the treatment of some forms of climacteric neuroses. A. M. Ruskin. Akush. i gin. no. 2:65-69 '63.

CLIMATOLOGY

(see also subdivision 'Climate' under Arctic regions, Kamchatka; Komandorskiye Islands)

Climatology of heat balance. A. S. Monin. Izv. AN SSSR. Ser. geog. no. 5:98-110 S-O '63.

CLIMATOLOGY, MEDICAL

Changes in the ballistocardiogram and electrocardiogram in hypertension patients under the influence of biotron treatment [with summary in English]. V. K. Tkachuk Vrach delo no 7:55-60 Jl '63.

CLIMBING PLANTS see subdivision under Dnepropetrovsk, Ukraine

CLOCKS AND WATCHES—ESCAPEMENTS—TESTING

Device for determining the friction moment in escapement axle bearings. M. E. Khazak, V. V. Liukshin. Shor. st. LITMO no. 47:50-55 '59.

CLOSTRIDIUM

Determination of the activity of toxins of clostridium perfringens and closedematiens in tissue cultures E. M. Zemskov Zhur mikrobiol., epid i immun 40 no 1 69-73 '63.

CLOTHES MOTHS—EXTERMINATION

Microlepidoptera as pests of fur, wool, and hides. A. K. Zegulaev. Zashch. rast. ot vred. i bol. 8 no. 9:31-33 S '63.

CLOTHING, COLD WEATHER

Shaping of clothing elements made from "porolon." I V. Orlov, A. N. Gerasimova. Izv. vys uchcb. zav., tekh. leg. prom. no. 4 113-118 '63.

CLOTHING, PROTECTIVE

Design of protective helmets for power plant construction workers. N. IA. Turchin. Energetik 11 no. 8:39-41 Ag '63.

CLOTHING INDUSTRY

(see also subdivision under Aydarly; Crimea; Irtysh Valley; Kazakhstan; Leningrad, Moscow; Volga-Vyatka Economic region)

Changes occurring in the technical and economic indices of the process of clothing manufacture in case of an increase of the capacity of the production line. M. I. Ivantsova, K. A. Korneeva, S. I. Ruskov. Izv. vys. uchcb. zav., tekh. leg. prom. no. 4 105-112 '63.

Using anthropological data in light industry. A. M. Uryson. Standartizatsiia 27 no. 9 31-34 S '63.

CLOTHING INDUSTRY—FINANCE

Increase the profitableness of service industry enterprises. M. Moshkovich. Den. i kred. 21 no. 10:35-39 O '63.

CLOTHING INDUSTRY—PRICES

Demand and prices. Sh. Turetskii. Sov. torg. 36 no. 9 16-21 S '63.

CLOUD CHAMBER

Spark chambers. V. A. Mikhailov, V. N. Roinishvili, G. E. Chikovani. Zhur. eksp. i teor. fiz. 45 no. 3:818-819 S '63.

CLOUDS

Airborne device for measuring the water in drop-liquid clouds. V. I. Skatskii. Izv. AN SSSR. Ser. geofiz. no. 9 1448-1450 S '63.

Aka[illegible] pr[illegible] H[illegible] of[illegible] SSSR. [In Russian with summaries in Russian and English]

No. 6. [Research on the climatology of noctilucent clouds] Issledovaniia po klimatologii serebristykh oblakov. 1963. 83 p.

Nonlinear problem of cloud formation behind a barrier. Kh. N. Zeitunian. Izv. AN SSSR. Ser. geofiz. no. 9 1427-1437 S '63.

CLUTCHES (MACHINERY)

Effect of the construction parameters on the characteristics of shot clutches with a driving housing. N. M. Menkova. Mekh. i avtom. v gor. prom. no. 3 163-173 '63.

COAGULATION

Coagulation processes occurring during carbochain fiber forming. B. E. Geller, S. Kamalov, F. M. Dautova. Khim. volok. no. 5 5-9 '63.

COAL

(see also subdivision under Siberia; Ukraine)

Improvement of transport and combustion of Bashkirian coal. A. S. Bokov. Energetik 11 no. 8:36-38 Ag '63.

Obtaining plastic and binding materials from fossil coals. E. M. Taits, T. M. Bronovets, I. A. Andreeva. Khim. i tekh. topl. i masel 8 no. 2:24-27 F '63.

Using the seismic method under natural conditions to study the stress state of coal pillars. K. I. Ivanov, K. P. Betaneli. Nauch. soob. IGD 20:29-41 '63.

COAL—ANALYSIS

(see also subdivision under Pechora Basin)

"Chemistry and genesis of coal" by T. A. Kukharenko. Reviewed by I. A. IAvorskii. Izv. Sib. otd. AN SSSR no. 2 128-130 '63.

Correlation method of calculating the reserves of germanium in coal. L. IA. Kizil'shtein, N. N. Slun'kina. Razved. i okh. nedr 29 no. 9 20-24 S '63.

Effect of the properties of coal used in apartment houses and communal buildings on the solution of the problem relative to the mechanization of coal-burning boilers. S. A. Lobkov. Avtomatiz. otop. kot. no. 3:170-178 '63.

COAL—PRICES

Calculated prices for coal are the most important factors in commercial accounting at enterprises of the coal industry. IU. S. Lir, P. K. Marchenko. Nauch. soob. IGD 20:89-92 '63.

COAL—QUALITY CONTROL see subdivision under Karaganda Basin

COAL—STORAGE

Norms for the losses of coal should be re-examined. L. P. Pichev. Rech. transp. 22 no. 8:10-11 Ag '63

COAL—TRANSPORTATION

Design and planning of loading stations for the coal mining industry. A. M. Gorchakov. Trudy NIIZHT no. 29 143-170 '62.

Effect of some parameters on the crushing of anthracite in hydraulic conveying. V. V. Trainis, E. G. Rukov. Mekh. i avtom. v gor. prom. no. 3 200-221 '63.

COAL, PULVERIZED

In the Technical Council of the State Production Committee on Power Engineering and Electrification of the U. S. S. R. Energetik 11 no. 9:27-29 S '63.

COAL GASIFICATION

Study of a stream of burning carbon particles in a high temperature region [with summary in English]. A. I. Mosse, L. N. Khitrin. Inzh.-fiz. zhur. 6 no. 8:11-21 Ag '63.

COAL GEOLOGY

(see also subdivision under Bulanash-Yelkina region; Dnieper Basin; Pechora Basin)

"Chemistry and genesis of coal" by T. A. Kukharenko. Reviewed by I. A. IAvorskii. Izv. Sib. otd. AN SSSR no. 2 128-130 '63.

Efficient combination of geophysical methods for studying coal prospecting holes. V. V. Grechukhin. Prikl. geofiz. no. 37:169-182 '63.

COAL MINERS see subdivision under Tkibuli

COAL MINES AND MINING

(see also subdivision under Donets Basin; Kuznetsk Basin, Lugansk Province; Ukraine)

Determination of the expediency of joint mining of two steep seams. A. A. Churilov. Nauch. soob. IGD 20:51-58 '63.

Determining the output of fine classes of coal in the operation of mining machines. V. I. Kutovoi, I. G. Shapiro. Shor. DonUGI no. 29:80-94 '63.

Kovachevich, P. M., I. A. Fainer, and A. P. Shirokov [Handbook for the young miner] Spravochnik molodogo shakhtera. Kemerovo, Kemerovskoe knizhnoe izd-vo, 1962 305 p.

Practice of using the seismoacoustic method to study the stress state of a coal massif. IU. G. Spitsyn. Shor. DonUGI no. 29:53-61 '63.

Technology of auger mining stages. N. D. Balashov. Mekh. i avtom. v gor. prom. no. 3:3-16 '63.

Using seismoacoustic apparatus to study the dynamics of the stress state of a coal seam. IU. G. Spitsyn, R. F. Resnik, L. S. Chursin. Shor. DonUGI no. 29:61-67 '63.

COAL MINES AND MINING—COSTS

Skripnik, P. M. [Ways to reduce the cost of coal] Puti snizheniia sebestoimosti uglia. Kiev, Gostekhizdat USSR, 1963. 179 p.

COAL MINES AND MINING—EQUIPMENT AND SUPPLIES

Results of industrial introduction of complex equipment for moistening coal in a massif. B. P. Vlasheveskii, L. M. Vasil'ev. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:14-17 '63.

COAL MINES AND MINING—FINANCE

Increase the bank influence on coal industry enterprises. L. Panes. Den. i kred. 21 no. 10:57-62 O '63.

COAL MINES AND MINING—HYGIENIC ASPECTS see subdivision under Komerovo Province

COAL MINES AND MINING—LABOR PRODUCTIVITY see subdivision under Donets Basin

COAL MINES AND MINING—MANAGEMENT

Effect of concentrating production on the operating indices of mines. N. I. Ivanov, M. E. Kaganskii, IU. S. Dziuba. Shor. DonUGI no. 29:87-90 '63.

COAL MINES AND MINING—TECHNOLOGICAL INNOVATIONS see subdivision under Karaganda Basin, Kuznetsk Basin

COAL MINING MACHINERY
(see also subdivision under Donets Basin)

Apratov, I. I., and N. V. Solomakhin. [Practical handbook for a mechanic in a mine section] Prakticheskoe rukovodstvo mekhanika uchastka shakhty Moskva, Gosgortekhizdat, 1963. 287 p.

Determining the capacity of electric drives for scraper conveyors of shuttle-action plow apparatus. V. F. Shukaito. Izv. vys. uchch. zav., gor. zhur. 6 no. 8 161-166 '63.

Mamai's skill. I. Sopov. Nauka i zhyttia 13 no. 7 42-45 Jl '63.

Methodology of determining the design loads in static plots. Iu. D. Krasnikov. Mekh. i avtom. v gor. prom. no. 3 68-84 '63.

[Mining machines] Gornye mashiny. [By] V. G. Ataskikh i dr. Moskva, Gosgortekhizdat, 1963. 382 p.

Over-all mechanization and automation in coal mines in the general scheme. A. V. Topchiev. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no. 41 5-15 '62.

Results of studying some parameters of the hydraulic system of the feeding part of the LGD-1 coal cutter-loader. A. V. Astakhov. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no. 41 131-137 '62.

COAL MINING MACHINERY—MAINTENANCE AND REPAIR

Some general conditions in designing an interchangeable stock of machine units. N. P. Melikhova, N. E. Panina. Mekh. i avtom. v gor. prom. no. 3 140-150 '63.

COAL MINING MACHINERY—PNEUMATIC DRIVING

Reducing the power consumption in breaking coal with a crown working part of a coal cutter-loader. V. M. Balykov. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no. 41 41-60 '62.

COAL MINING MACHINERY—TESTING

Experimental study of the operation of the "Donbass-1" cutter-loader. P. N. Demidov. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no. 41 16-26 '62.

Testing the working part of the UKM-1 narrow-range cutter-loader under shop and mine conditions. K. L. Kotolarov. Mekh. i avtom. v gor. prom. no. 3 17-33 '63.

COAL PREPARATION

Economic expediency of the flotation of middlings at Kuznetsk Basin coal preparation plants. V. M. Porshnev. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 3;180-183 '63.

Method for evaluating the operating efficiency of blending machines. D. A. Muchnik. Koks i khim. no. 9:11-15 '62.

Mineral dressing in the Ukrainian S. S. R. I. N. Plaksin. Izv. AN SSSR, Otd. tekh. nauk, Met i gor. delo no. 4:5-21 Jl-Ag '63.

Romanova, L. A. [How coal is prepared] Kak obogashchaetsia ugol'. Moskva, Ugletekhizdat, 1954. 44 p.

COAL RESEARCH

Fusainous components of coal and the nature of so-called sclerotinite. Report No. 2. I. N. Semasheva, I. S. Sofiev. Uzb. khim. zhur. 7 no. 4 23-31 '63.

COAL TAR
(see also subdivision under Cheremkhovo Basin)

Processing of pyrolysis coal tar in the Transcaucasian Metallurgical Plant. I. E. Ginzburg, S. R. Kaufman, Z. L. TSabutashvili. Koks i khim. no. 9:46-48 '62.

COAL-TAR PRODUCTS see subdivision under Cheremkhovo Basin

COASTWISE NAVIGATION

Use of ships in mixed transportation. Iu. Belisk. Rech. transp. 22 no. 8;26-27 Ag '63.

COATES, WILLIAM PEYTON, 1883-1963

Readers' comments: In memory of Pat Coates. "Andrew Rothstein. Nov. vrem. 21 no. 36, 31 S '63.

COATS

New raglan design. A. Skovronskii, IA. Kravetskii. Mest. prom. i khud. promys. 4 no. 4;17-19 Ap '63.

COBALT see subdivision under Sevan Lake region

COBALT—METALLURGY

Processing cobalt sulfide materials by hyrosulfatizing. P. A. Pazdnikov, R. A. Pavliuk. TSvet. met. 36 no. 5:41-45 My '63.

COBALT COMPOUNDS

Carbonate complex of beryllium (III) with hexammino-cobalt (III). A. V. Vinogradov, R. M. Apirina, E. P. Chorstvenkova. Zhur. neorg. khim. 8 no. 9;2062-2064 S '63.

Effect of Co^{58} recoil after (γ, n)-reaction in complex compounds of cobalt. Co(III) triglycinate and vitamin B_{12}. An. N. Nesmeianov, V. Mudrova-IAblonitska. Radiokhimiia 5 no. 4;516-519 '63.

COBALT IN THE BODY

Cobalt and nickel in radiation dermatitis. A. T. Sosnovskii, Z. I. Orlova, N. Z. IAgovdik. Vrach. delo no. 9: 155-159 S '63.

COBALT ISOTOPES

Effect of pH on the sorption of Co^{60} by peat. A. I. Beridnikov, V. P. Oreshko. Radiokhimiia 5 no. 3;390-397 '63.

COBALT OXIDE CRYSTALS—GROWTH

Growth of cobalt oxide single crystals by Verneuil's method. N. A. Velikhova. Kristallografiia 8 no. 5 804-808 S-O '63.

COCCIDIOSIS see subdivision under Uzbekistan

COCKROACHES—EXTERMINATION

Cockroaches and their control. L. I. Pogodina. Zashch. rast. ot vred. i bol. 8 no. 4:42 Ap '63.

CODFISH see subdivision under White Sea

COELACANTHIDAE

Story of the ancestor of land vertebrates; on J. L. B. Smith's book "Old Fourlegs, the story of the coelacanth." A. A. IAkovlev. Biol. v shkole no. 3 95-96 My-Je '63.

COFFEE

Artem'ev, B. V. [Production of soluble coffee] Poluchenie rastvorimogo kofe. Moskva, TSentr. in-t nauchno-tekhn. informatsii plancheveoi promyshl., 1963. 34 p. (Tekhnicheskaia informatsiia)

[MICROFILM]

COINS, ANCIENT

Monograms on Greek-Bactrian and Indo-Greek coins. V. M. Masson. Epig. Vost. no. 15:162-164 '63.

"The new style silver coinage of Athens" [in English] by M. Thompson. Reviewed by P. O. Karyshkovskii. Vest. drev. ist. no. 1;141-144 '63.

COINS, CHINESE

Determination of ancient Chinese coins "K'ai-yuan t'ung pao." M. V. Vorob'ev. Epig. Vost. no. 15:124-126 '63.

COINS, ORIENTAL
(see also subdivision under Samarkand)

Second folus of Khrid, the ruler of Lesh. O. G. Bol'shakov. Epig. Vost. no. 15:165 '63.

COKE

Capacitance transducer for measuring the moisture content of the coking charge in the flow. A. Z. Kulishenko, A. S. Khanitonov, I. A. Gridin. Koks i khim. no. 9:16-19 '62.

Nature of the curve of the vertical shrinkage. A. N. Bykov. Koks i khim. no. 9:20-23 '62.

Ways for improving the quality of foundry coke. I. A. Turik and others. Koks i khim. no. 9:25-27 '62.

COKE—STANDARDS

[Coke; classification, specifications and methods of testing] Koks, klassifikatsii,, tekhnicheskie trebovaniia i metody ispytanii. Izd. ofitsial'noe. Moskva, Gos. izd-vo standartov, 1963. 135 p. (SSSR. Gosudarstvennye standarty)

COKE INDUSTRY—BY-PRODUCTS

Intensification of the process of benzene recovery. I. M. Khanin and others. Koks i khim. no. 9:40-43 '62.

Obtaining industrial carbon disulfide of a higher quality. L. IA. Kollandi, G. M. Fomenko, L. S. Starkova. Koks i khim. no. 9:44-46 '62.

COKE INDUSTRY—EQUIPMENT AND SUPPLIES

Apparatus of the "Picabd" firm for fractional crystallization. Koks i khim. no. 9:63-64 '62.

Mechanization of the repair of filters for naphthalene presses. V. I. Morozov. Koks i khim. no. 9:57-59 '62.

Method for evaluating the operating efficiency of blending machines. D. A. Muchnik. Koks i khim. no. 9:11-15 '62.

Reconditioning of the sorbent in condensate filters. G. G. Filenko. Koks i khim. no. 9:53 '62.

COKE-OVEN GAS

Ammonium absorption from coke gas in a bubble type apparatus. M. E. Pozin, E. IA. Tarat, I. I. Orekhov. Koks i khim. no. 9:30-40 '62.

COKE OVENS

Design of pitch coke ovens. L. A. Gorelov. Koks i khim. no. 9:27-30 '62.

Experience in the operation of coke ovens without the presence of workers for servicing charging hole lids, oven doors and gas collecting mains. G. A. Shvarts. Koks i khim. no. 9:54-56 '62.

COKE OVENS—MAINTENANCE AND REPAIR

Guniting of the brickwork of coke ovens. V. I. Sukhorukov. Kok i khim. no. 9:24 '62.

COKE OVENS—TESTING

Temperature distribution in a ring-shaped oven for the continuous coking of coal. IU. N. Bogoslovskii, E. M. Kazinik, G. N. Makarov. Koks i khim. no. 9:30-35 '62.

COLD (DISEASE)

Results of work performed in a hospital for patients with acute colds. F. I. Zlobina, M. IA. Baldina. Zdrav. Ros. Feder. 7 no. 9 31-32 S '63.

COLD STORAGE LOCKERS

Refrigerator and thermos. S. Cherniaev. Nauka i zhizn' 30 no. 8 110-111 S '63.

COLD WEATHER CLOTHING see Clothing, Cold weather

COLD WELDING

Cold welding. K. Levitin, A. Melamed. Nauka i zhizn' 30 no. 9 42-47, 2 of cover S '63.

Cold welding of components. L. Landa. Energ. i elektrotekh. prom. no. 3 77-78 Jl-S '63.

COLITIS

Gurevich, L. M. [Chronic colitis] Khronicheskie kolity. Leningrad, Medgiz, 1963. 39 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

COLLAGEN

Problems of the dissolving and reconstitution of collagen. A. A. Golovicheva, I. S. Shestakova, N. V. Chernov. Izv. vys. uchcb. zav., tekh. leg. prom. no. 4;73-83 '63.

COLLAGEN DISEASES

Disorders of protein metabolism in some major collagenoses. A. V. Zmyzgova, A. S. Knirova, M. N. Privalenko. Ter. arkh. 35 no. 2;99-105 F '63.

Necrobiosis lipoidica [with summary in English]. A. I. Brezhenko. Vest. derm. i ven. 37 no. 2 17-21 F '63.

COLLECTIVE FARMS
(see also subdivision under Belaya Glina District; Kirghizistan; Rostov Province; Ukraine)

Prewar standard of living of collective farm peasants [with summary in English, p. 220]. M. A. Vyltsan. Vop. ist. 38 no. 9;15-24 S '63.

Problems concerning the regulation of work and labor discipline on collective farms. I. Lozo. Rad. pravo no. 3;117-118 My-Je '63.

Shadeina, M. G. [Increasing the role of the CPSU in the development of the creative initiative of the peasantry in the period of the building of communism] Vozrastanie roli KPSS v razvitii tvorcheskoi initsiativy krest'ianstva v period stroitel'stva kommunizma [Tiumen'] Tiumenskoe knizhnoe izd-vo, 1961. 34 p.
(MH)

COLLECTIVE FARMS—ACCOUNTING
(see also subdivision under Nikolayevskiy District, Volgograd Province)

Accounting in the comprehensive servicing of collective farm machinery. V. F. Obshchil. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7;13-14 Jl '63.

Business accounting by individual production units and supplementary wages on collective farms. A. Emel'ianov. Plan. khoz. 40 no. 10;54-61 O '63.

Concern over the harvest safety. L. D. Novozhilova. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7 15-18 Jl '63.

Different attitude toward accounting and different management results. I. A. Nikitin. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7 19 Jl '63.

"You should write a poem about an accountant!" Mykola IAshchuk. Ukraina no. 28;6-7 S '63.

COLLECTIVE FARMS—AUDITING AND INSPECTION
(see also subdivision under Kalmyk A.S.S.R.; Odessa Province)

Collective farmers participate in the control. G. M. Dubelyi. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7, 38-40 Jl '63.

COLLECTIVE FARMS—FINANCE
(see also subdivision under Dnepropetrovsk)

Alekseeva, R. V., and A. P. Voronin. [Accumulation and development of collective farm property] Nakoplenie i razvitie kolkhoznoi sobstvennosti. Moskva, Izd-vo ekon. lit-ry, 1963. 247 p.

COLLECTIVE FARMS—INCOME DISTRIBUTION

Analysis of the distribution of collective farm income. N. D. Sukhonosenko. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7, 26-29 Jl '63.

Business accounting by individual production units and supplementary wages on collective farms. A. Emel'ianov. Plan. khoz. 40 no. 10;54-61 O '63.

Guaranteed monetary remuneration of collective farmers for their work. G. S. Sevilkiants. Sov. gos. i pravo no. 10;113-115 O '59.

Ivin, I. A. [Wages for collective-farm administrators and specialists] Oplata truda rukovoditelei i spetsialistov v kolkhozakh. Moskva, Ekonomizdat, 1963. 66 p.

COLLECTIVE FARMS—INTERFARM COOPERATION
(see also subdivision under Stavropol Territory; Ukraine)

Mozolin, V. P. [Ownership rights on the property of intercollective farm enterprises and organizations] Pravo sobstvennosti na imushchestvo mezhkolkhoznykh predpriiatii i organizatsii. [Moskva] Izd-vo Mosk. univ. 1963. 76 p.

COLLECTIVE FARMS—LAWS AND LEGISLATION

How to punish the farmers who stay away from collective farm work. Sov. deput trud no. 9;97 S '63

Individual plots of collective farmers cannot be transmitted to their heirs. Sov. deput. trud, no 9 96 S '63.

Supervising the observance of Soviet laws on collective farms. A. Barkov. Sots. zakon. 10 no. 8:37-39 Ag '63.

Timely problem of legal aid to collective farms. V. Baliuta, P. Chernenko. Rad. pravo no. 3 115-116 My-Je '63.

COLLECTIVE FARMS—MANAGEMENT

(see also subdivision under Ukraine; Velikaya Novoselka)

[First steps of the "thirty thousand men"] Pervye shagi tridtsatitysiachnikov Moskva, Sel'khozgiz, 1956 203 p

COLLECTIVE FARMS—PENSIONS

History of working out the laws on social insurance payments to destitute peasants. L. S. Gliazer. Vop. ist. 38 no. 9:202-208 S '63.

Smirnov, S. A. [In what cases government pensions are awarded to collective-farm members] V kakikh sluchaiakh gosudarstvennye pensii naznachaiutsia chlenam kolkhozov Moskva, Gosiurizdat, 1963 75 p

COLLECTORS AND COLLECTING

Editor's mail Sem'ia i shkola 18 no. 8 30-36 Ag '63

COLLEGE AND SCHOOL DRAMA

"Camp fire," a Pioneer theater. O. Drutman Shkola-int no 4 34-36 Jl-Ag '63

COLLIMATORS

Autocollimator with photoelectric recording. G. A. Lenkova, A. L. Lokhmatov, V. I. Sosnovskii. Izm. tekh. no. 8:20-21 Ag '63.

COLLISIONS (NUCLEAR PHYSICS)

Born-Oppenheimer's method in the atomic collision theory [with summary in English]. V. I. Ochkur. Zhur. eksp. i teor. fiz. 45 no. 3:731-741 S '63.

Calculation of nonresonance charge exchange and ionization of atoms in collisions with slow ions. V. I. Rysnik, B. M. IAvorskii. Izv. AN SSSR Ser. fiz. 27 no. 8 1005-1008 Ag '63.

Charge exchange between atoms and ions of alkaline and alkaline earth elements. D. V. Chkuaseli, A. I. Guldamashvili, G. D. Nikolaishvili. Izv. AN SSSR Ser. fiz. 27 no. 8 999-1004 Ag '63.

Computation of collisions of slow electrons with hydrogen atoms using the method of trial functions. V. T. Muravlev. Izv. AN SSSR Ser. fiz. 27 no. 8:1030-1032 Ag '63.

Dependence of the mean charge of fast ions on the density of the medium. V. S. Nikolaev and others. Izv. AN SSSR, Ser. fiz. 27 no. 8 1076-1080 Ag '63.

Determining the absolute values of the effective cross sections of collisions of the second kind for a mixture of sodium and mercury vapors. S. E. Frish, O. P. Bochkova. Izv. AN SSSR Ser. fiz. 27 no. 8 1065-1069 Ag '63.

Determining the effective excitation cross sections of resonance lines of potassium atoms. L. M. Volkova, A. M. Deviatov. Izv. AN SSSR, Ser. fiz. 27 no. 8:1052-1055 Ag '63.

Dissociation of polyatomic ions in collisions with atoms and molecules of gases. S. E. Kuprianov, A. A. Perov. Izv. AN SSSR, Ser. fiz. 27 no. 8 1102-1109 Ag '63.

Effect of the nucleus on π^0-meson production [with summary in English] V. S. Demidov and others. Zhur eksp. i teor. fiz. 45 no. 3 437-442 S '63.

Empirical formulae for the effective cross sections of excitation and ionization. I. Beigman, L. Vainshtein. Izv. AN SSSR, Ser. fiz. 27 no. 8:1018-1021 Ag '63.

Excitation functions of atoms of certain alkali metals. I. P. Zapesochnyi, L. L. Shimon. Izv. AN SSSR, Ser. fiz. 27 no. 8:1037-1039 Ag '63.

Excitation of free radicals in the splitting of polyatomic molecules by photons in the vacuum ultraviolet region. N. IA. Dodonova, A. N. Terenin. Izv. AN SSSR, Ser. fiz. 27 no. 8:1091-1096 Ag '63.

Fine structure of the optical excitation functions of Zn, Cd, and Hg atoms. I. P. Zapesochnyi, V. S. Shevera. Izv. AN SSSR, Ser. fiz. 27 no. 8:1044-1048 Ag '63.

Introduction of the polarization potential into the radial equations of the theory of atomic collisions. L. Vainshtein. Izv. AN SSSR, Ser. fiz. 27 no. 8:1022-1026 Ag '63.

Loss of an electron by fast Ca, Mg, Si, and Fe atoms in collisions with N_2 and O_2 molecules. A. M. Bukhteev, IU. F. Bydin. Izv. AN SSSR, Ser. fiz. 27 no. 8 1009-1011 Ag '63.

Measurability of optical excitation functions by means of modulated electron beams. I. P. Bogdanova, I. I. Geltsi. Izv. AN SSSR, Ser. fiz. 27 no. 8:1056-1059 Ag '63.

Method for measuring the effective ionization cross sections and ionization coefficients of metal atoms during an electronic impact. A. P. Liubimov and others. Izv. AN SSSR, Ser. fiz. 27 no. 8:1060-1064 Ag '63.

New experimental methods for studying excitation in electron - atom collisions. I. P. Zapesochnyi, O. B. Shpenik. Izv. AN SSSR Ser. fiz. 27 no. 8 1033-1036 Ag '63.

Probability of charge exchange during atomic collisions in the case of random resonance. E. E. Nikitin. Izv. AN SSSR Ser. fiz. 27 no. 8 996-998 Ag '63.

Probability of impact generation of vibrations of two-atomic molecules. N. A. Generalov, S. A. Losev. Izv. AN SSSR, Ser. fiz. 27 no. 8 1110-1112 Ag '63.

Recent data on the excitation functions of inert gases. I. P. Zapesochnyi, P. V. Feltsan. Izv. AN SSSR, Ser. fiz. 27 no. 8:1040-1043 Ag '63.

Second All-Union Conference on the Physics of Collisions between Electrons and Atoms. L. A. Sena. Izv. AN SSSR, Ser. fiz. 27 no. 8 994-995 Ag '63.

Spin exchange. E. B. Aleksandrov, A. M. Bonch-Bruevich, V. A. Khodovoi. Izv. AN SSSR, Ser. fiz. 27 no. 8 1070-1077 Ag '63.

Studying carbon dioxide bands during electronic excitation. S. M. Kishko, V. V. Shubenich. Izv. AN SSSR, Ser. fiz. 27 no. 8:1040-1051 Ag '63.

COLLISIONS AT SEA

(see also subdivision under France; Great Britain)

Conflict of laws in the collision at sea of the ships of different nations. L. M. Egorov Inform. sbor. TSNIIMF no. 72, Mor. pravo i prak. no 16:11-18 '62.

Decisions of Dutch courts. Inform. sbor. TSNIIMF no. 56, Mor. pravo i prak. no. 12 66-67 '61.

Implementation of rules on the prevention of collisions when sailing in frozen waters. L. K. Shar-Baronov Inform. sbor. TSNIIMF no. 67, Mor. pravo i prak no. 11 30-35 '61.

COLLISIONS AT SEA—PREVENTION

Common sense and mathematics. A. Rakhovetskii. Mor. flot 23 no. 10 20-21 O '63.

Operational devices for the prevention of collisions at sea. I. Bukhanovskii. Mor. flot 23 no. 10 40-42 O '63.

COLLOIDS

Diffusion-electric theory of the Dorn effect Part 2. Effect of surface diffusion and electric conductivity on the electric field for Peclet numbers much smaller than unity [with summary in English]. S. S Dukhin, Koll. zhur. 25 no 5:520-523 S-O '63.

Diffusion-electric theory of the Dorn effect Part 3. Method for calculating the far-range electric field for large Peclet numbers [with summary in English] S. S Dukhin, Koll. zhur. 25 no. 5:524-532 S-O '63.

Effect of temperature on the rate of the emulsion extraction of colloids [with summary in English]. L. D Skylev, S. G. Mokrushin. Koll. zhur. 25 no. 5:593-596 S-O '63.

Extraction of manganese dioxide from its hydrosol by means of gelatin foam [with summary in English]. V. V Pushkarev, E. A. Budenkov. Koll zhur 25 no 5:589-592 S-O '63.

Kinetics of the thinning and rupture of thin films of liquid [with summary in English]. A. Sheludko, D. Exerova, D. Platikanov. Koll. zhur 25 no 5:606-612 S-O '63

Rafikov, S. R., S. A. Pavlova, and I. I. Tverdokhlebova. [Methods for determining the molecular weights and polydispersity of macromolecular compounds] Metody opredeleniia molekuliarnykh vesov i polidispersnosti vysokomolekuliarnykh soedinenii. Moskva, Izd-vo Akad nauk SSSR, 1963. 334 p.

Some properties of the colloid system of plants, resistant and nonresistant to low temperatures. V. M Anan'ina Bot. zhur. 48 no. 8:1196-1200 Ag '63.

Stability of lyophobic sols, emulsions, and suspensions. V. M. Barbol. Izv. vys. uchebn. zav., tekh. leg. prom. no. 2:21-30 '63.

Structure-mechanical properties of the adsorption layers of some surface-active compounds at the interfacial boundaries of their aqueous solutions with air and styrene [with summary in English]. L. A. Shits, A. A Trapeznikov. Koll. zhur. 25 no. 5 613-620 S-O '63.

COLOMBIA—TRADE UNIONS

On the path toward the unity of the trade-union movement. Ventura Puentes Vanegas. Vsem. prof. dvizh no. 7/8 5-7 Jl-Ag '63.

COLOR CENTERS

Impurity distribution and formation of color centers under the action of X rays in NaCl-Mn, NaCl-Cd, and NaCl-Pb. L. V. Grigoruk, I. IA. Melik-Gaikazian Opt. i spektr. 15 no. 3:394-399 S '63.

COLOR IN INDUSTRY

(see also subdivision under Poland)

Color in industry. M. Marin. Nauka i zhizn' 30 no. 9:100-101, 3 of cover S '63.

COLOR OF MINERALS

The color of minerals. G. P. Barsanov, M. E. IAkovleva. Trudy Min. muz. no. 14:32-78 '63.

Some relations between the causes of the coloring of amethyst, smoky quartz, and citrine from the point of view of modern scientific knowledge [with summary in German]. Karl Г. Chudoba. Min. sbor. no. 16:61-165 '62.

COLOR OF WOOD

Determining the color and luster of wood D. K. Lakur-skaia Der. prom. 12 no. 9 5-7 S '63.

COLOR PHOTOGRAPHY

Color laboratory for the amateur photographer. N. Agafonkas Sov. foto 23 no. 5:40-41 My '63.

COLOR TELEVISION

Method for obtaining stable color-difference signals $E_R' - E_Y'$, $E_B' - E_Y'$ in the coding system of color television [with summary in English on p 96] O. V Ivanovich-Chekan Tekh. kino i telev. 7 no 9:60-62 S '63

Reducing the discernibleness of the frequency carrier oscillations in color television systems [with summary in English on p 96] V. L. Rychka Tekh. kino i telev. 7 no 9 51-59 S '63

COLORIMETRY

Photocolorimetric determination of niobium. Sh. T Talipov and others. Uzb. khim. zhur. 7 no. 1 18-22 '63.

Photocolorimetric determining of chromium in the commercial solutions of titanium sulfate. M. IU. Dolmatova, Lakokras. mat i ikh prim. no. 4 52-53 '63

COLPOSCOPY

Colposcopy in the diagnosis of early stages of cancer of the cervix uteri M P Anikukhovskaia Zdravookhranenie 6 no 2 12-13 Mr-Ap '63.

COMBINES (AGRICULTURAL MACHINERY)

(see also subdivision under Rostov-on-Don)

Attachment to the KKhI-1 combine for work in weedy field plots. N. Gusarov. Tekh. v sel'khoz. 23 no. 5 75 My '63.

Automatic device for driving a sugar beet combine. N. Nastenko, I. Vasilenko. Tekh. v sel'khoz. 23 no. 2 73-76 F '63.

Grain harvesting combine as an object for the automatic driving system. V. D. Shepovalov. Trakt. i sel'khozmash. 33 no. 1, 26-28 Ap '63.

It is necessary to improve the SKPR-3 combine. P. Perfilin. Tekh. v sel'khoz. 23 no. 3:77-78 Mr '63.

New ensilage harvesting combines. L. Mushkov. Tekh. v sel'khoz. 23 no. 2:45-48 F '63.

Over-all mechanization of the manufacture of conveyors for grain-harvesting combines D. M. Dudetskii Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:39-41 '63.

Studying the duty balance of the SKG-3 rice and grain combine. V. A Voronin, V. I. Vysotskii. Trakht. i sel'khozmash. 33 no. 9 21-21 S '63.

Studying the process of combined harvesting and chopping of straw I. M. Kostovetskii. Trakht. i sel'khozmash 33 no. 9 32-33 S '63.

Turkel', L. G., V. V. Filatov, and P. G. Fat'ianov. [Laboratory and practice lessons on grain and specialized combines] Laboratorno-prakticheskie zaniatiia po zernovym i spetsial'nym kombainam. Moskva, Sel'khozizdat, 1963. 366 p.

COMBINES (AGRICULTURAL MACHINERY)—MAINTENANCE AND REPAIR

Stand for running in the KU-2A and SK-3, 6 combines. N. Gusarov. Tekh. v sel'khoz. 23 no. 2:80 F '63.

COMBINES (AGRICULTURAL MACHINERY)—SAFETY MEASURES

Work conditions on the SK-3 and SK-4 self-propelled combines. V. G. Shamakov. Trakht. i sel'khozmash 33 no. 9 24-25 S '63.

COMBUSTION

Mechanism of combustion in a turbulent flow of a homogeneous mixture. A. V. Talantov. Izv. vys. uchebn. zav. av. tekh. 6 no. 3 92-99 '63.

Nature of germanium compounds volatilizing with flue gases during coal burning. I. A. Adamenko. Izv. AN SSSR no. 7, Ser. khim. nauk no. 2 48-53 '63.

Organization of the combustion process of a heavy fuel in combustion chambers of gas-turbine units M D Ermolaev. Trudy KAI no. 66:3-17 '61.

Relation between the rate of burning of a liquid and its surface temperature [with summary in English]. V. B. Anisimov, V. I. Blinov, V. Ch. Reutt. Inzh.-fiz. zhur. 6 no. 8:45-51 Ag '63.

Simplified methods for heat engineering calculations in the combustion of gaseous mixtures. M. K. Lin. Prom. energ. 18 no. 9:40-42 S '63.

Study of a stream of burning carbon particles in a high temperature region [with summary in English]. A. L. Mosse, L. N. Khitrin. Inzh.-fiz. zhur. 6 no. 8:15-21 Ag '63.

COMEDY FILMS see subdivision under Ukraine

COMENIUS, JOHANN AMOS, 1592-1670

Great Slavic educator. M. Liakhov. Doshk. vykh. 24 no. 5 6-10 My '63.

COMMANDER ISLANDS see Komandorskiye Islands

COMMERCE

Structural changes in the organizational trade forms in capitalist countries. G. Zotov. Sov. torg. 36 no. 5 50-54 S '63.

COMMERCE—CONGRESSES

Vitally important problems. V Naborov. Vnesh. torg 43 no. 9 15-18 '63.

Who is against reasonable proposals? [with summary in English, p. 64] I Gorev Vnesh. torg 43 no 9 13-15 '63.

COMMERCE—DICTIONARIES

Russian-English glossary of economic and trade terms, New York, Telberg Book Company [1959] 31 p. (WaU)

COMMERCIAL AGENTS

Announcements. Vnesh. torg. 43 no. 9 60-62 '63.

COMMERCIAL ART

Artistic and pictorial characteristics of an advertising poster. S. Kurenina. Sov. torg. 36 no. 9 41-49 S '63.

COMMERCIAL CRIMES

Criminal responsibility for the production of low-grade, substandard, and deficient goods. M. Efimov. Sov. iust. no. 17:17-18 S '63.

Let us intensify our struggle against the production of low-grade and substandard goods. G. Gol'st. Sots. zakon. 40 no. 8:32-36 Ag '63.

We should try to eliminate the pilfering of merchandise in trade organizations. B. Dremov, G. Gustov. Sots. zakon. 40 no. 8:46-48 Ag '63

COMMERCIAL JOURNALISM see Journalism, Commercial

COMMERCIAL LAW

(see also subdivision under Germany, East)

Kallistratova, R. F. [Prearbitration procedure in settling the disputes of socialist organizations] Pretenzionnyi poriadok razresheniia sporov mezhdu sotsialisticheskimi organizatsiiami Moskva, Gosiurizdat, 1963. 107 p

Legal rules governing the use of fixed assets in industrial enterprises. IU. TSymerman. Rad. pravo no. 3: 91-98 My-Je '63.

Legal status of the enterprises of local industry. O. Pushkin. Rad. pravo no. 3:87-91 My-Je '63.

Let us intensify our struggle against the production of low-grade and substandard goods. G. Gol'st. Sots. zakon. 40 no. 8:32-36 Ag '63.

COMMERCIAL PRODUCTS

[New consumer goods; information bulletin] Nov. tov.; inform. biul. nos. 5-6 '63.

COMMUNICABLE DISEASES

Itogovala Nauchnaia konferentsiia po prirodnoochagovym bolezniam, 1963. [Materials of the Summary Scientific Conference on Natural Foci Diseases] Materialy... Tiumen', Tiumenskoe knizhnoe izd-vo, 1963 220 p [DNLM MICROFILM]

COMMUNICATION

Physicist and lyric poets at a round table. A. Khodorov. Znam.-sila 36 no. 13-14 My '63.

COMMUNICATIONS, MILITARY

Communication must operate around the clock. N. Leonovich, M. Platnev. Voen. vest. 43 no. 9:97-98 S '63.

Signal company in the mountains. V. Vinogradov. Voen. vest. 43 no. 9:98-99 S '63.

This decides the success of affairs. M. I. Burgalt. Vest. protivovozd. obor. no. 11:59-61 N '61.

Woods and swamps are no hindrances to signalmen. P. Karpliuk. Voen. vest. 43 no. 9:33-34 S '63.

COMMUNISM

The brains, honor, and conscience of our epoch Ukr. ist. zhur 7 no. 4 3-12 Jl-Ag '63

Continuing the work of our fathers. N. S. Krushchev. Znam.-sila 36 no. 7 1 Jl '63.

Crisis of bourgeois ideology [in Armenian with summary in Russian], G. G. Aslanian. Ist.-filol. zhur. no. 2:3-16 '63.

Feodoritov, V. IA. [What is the material and technical basis of communism] Chto takoe material'no-tekhnicheskaia baza kommunizma. [Leningrad] Lenizdat, 1960. 43 p. (Besedy na politicheskie temy)

Fomina, V. A., and M. N. Dologrammatik. [Marxism-Leninism on the development of personality and on the bankruptcy of a reactionary anticommunist dogma] Marksizm-leninizm o razvitii lichnosti i krakh odnoi reaktsionnoi dogmy antikommunizma. [Moskva] Izd-vo Mosk. univ., 1963. 47 p.

From the history of the international ties of the "Liberation of Labor" group. V. Paukova. Komm. Mold. 8 no. 3:9-16 Mr '63.

Krushchev, N. S. [Communism is the peace and happiness of the people] Komunizm - myr i shchastia nar narodiv; v dvukh tomakh. Kyiv, Derzhpolitvydav URSR. Vol. I. [January - September 1961] Sichen' - veresen' 1961 r. 1962. 386 p.

Leningrad. Universitet. Kafedra politicheskoi ekonomii. [Lecture course in economics, the communist means of production] Kurs lektsii po politicheskoi ekonomii; kommunisticheskii sposob proizvodstva. [Leningrad] Izd-vo Leningr. univ., 1963. 489 p.

Marx, Karl, and Friedrich Engels. [Manifesto of the Communist Party] Manifest Kommunisticheskoi partii. Moskva, Gospolitizdat, 1963 70 p.

Marxism-Leninism and the problem of disarmament. Val. Zorin. Mir. ekon. i mezhdunar. otn. no. 9 24-34 '63

Marxist interpretation of the problem of the individual [with summary in English, pp. 182-183]. L. N. Mitrokhin. Vop. filos. 17 no. 8:13-21 '63.

Mashkov, A. P. [Communism is the most just form of society] Kommunizm -- samoe spravedlivoe obshchestvo Leningrad, Ob-vo po rasprostraneniiu polit. i nauchn. znanii RSFSR, 1963 61 p.

Meditation at the Wall of Communards. V. Ermilov. Ogonek 41 no. 21:4-5 My '63.

"Money during the period of the building of communism" by P. M. Pavlov. Reviewed by L. Afzenberg. Den. i kred. 21 no. 9:89-92 S '63.

Problems of the political economy of socialism in a social science course. S. Vorkunov. Polit. samoobr. 7 no. 10 105-112 O '63.

The rallying of all antimonopolistic forces is an urgent task of the working class K Maidanik, K Kholodkovskii. Polit. samoobr. 7 no. 10 24-31 O '63.

Seniavskii, S. L. [Workers are at the forefront; the leading role of workers during the large-scale building of communism] Vo glave--rabochii klass, o rukovodiashchei roli rabochego klassa v period razvernutogo stroitel'stva kommunizma, Moskva, Izd-vo "Znanie," 1963, 31 p. (Novoe v zhizni, nauke, tekhnike. I Seriia: Istoriia, no. 17)

Sokhan', L. V., and Z. O. Sil'chenko. [Technological progress and the worker; the formation of a new type of worker in the process of the building of communism] Tekhnichnyi progres i robitnyk; formuvannia pratsivnyka novoho typu v protsesi komunistychnoho budivnytstva Kyiv, Vyd-vo AN URSR, 1963. 161 p.

Triumph of ideas of the Great October Revolution. Voen. vest. 42 no. 11:3-6 N '62.

Under the great banner of Lenin. Elektrichestvo no. 8: 1-6 Ag '63.

COMMUNISM AND ART

Freedom of artistic creation and the artist's responsibility. Z. Apresian. Mol. komm. no. 6 16-24 Je '63.

Honcharenko, M. V. [Art and aesthetic education] Mystetstvo i estetychne vykhovannia Kyiv, Vyd-vo Akad. nauk URSR, 1963, 202 p.

Monuments of the epoch; the Leninist plan of "monumental propaganda." Vl. Tolstoi. Mol. komm. no. 6 111-122 Je '63.

Place of the artist in the battle of ideas: Soviet motion-picture employees respond to the Central Committee of the Party with creative work. Grigorii Chukhrai and others. Iskusstvo kino 33 no. 8:1-11 '63.

Principles of ideological attack. A. Dymshits. Vop. lit. 7 no. 8:70-90 Ag '63.

Struggle for the new man. A. B. Kogan, V. V. Lebedynskyi, I. N. Totskyi. Rad. lit. 7 no. 5:112-114 S-O '63.

Upholding man. Lev Mitrofanov. Mol. komm. no. 6:31-35 Je '63.

COMMUNISM AND LITERATURE

Akademiia nauk SSSR. Institut mirovoi literatury. [Literature and the new man] Literatura i novyi chelovek. Moskva, Izd-vo Akad. nauk 1963. 429 p.

Conflicts, vital and artificial. M. Sergeeva. Koop. Kazakh 6 no. 3:38-40 Je '63

A few words about an argumentation. V. H. Donchyk. Rad. lit. 7 no. 5:144-147 S-O '63.

Heroic art for a heroic time (to be continued). V. Novikov. Znamia 33 no. 9:178-187 S '63.

Hit the target! (remarks on publicist lyrics). Al. Mikhailov. Vop. lit. 7 no. 9:23-29 S '63.

In defense of civilization. Abd al-Wahhab al-Bayaty. Az. i Afr. seg. no. 10,37 O '63.

Life is the source of creativity! Vop. lit. 7 no. 8:3-26 Ag '63.

Our people advise and teach us. A. Absaliamov. Sov. deput. trud. no. 6:15-17 Je '63.

Our weapon is party character. Vest. Mosk. un. Ser. 7: Filol., zhur. 18 no. 4:3-9 Jl-Ag '63.

Powerful weapon in the education of soldiers. A. Zakharov. Komm. Vooruzh. Sil 3 no. 18:58-62 S '63.

Struggle for the new man. A. B. Kogan, V. V. Lebedynskyi, I. N. Totskyi. Rad. lit. 7 no. 5:142-144 S-O '63.

Unswerving adherence to the party and the people. Rad. lit. 7 no. 3:3-8 My-Je '63.

COMMUNISM AND RELIGION

Eryshev, A. A., R. S. Prykhod'ko, and A. S. Onyshchenko. [Remnants of religion and methods for abolishing them] Religiini perezhytky ta ikh podolannia. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963, 158 p.

COMMUNISM AND SCIENCE

Educational significance of a general biology course. M. I. Mel'nikov. Biol. v shkole no. 3:6-10 My-Je '63.

Science should follow the communist path, too. V. Titarenko. Mol. komm. no. 6,41-48 Je '63.

Tetunts, A. M. [Conditions and characteristics of the development of science in a socialistic society] Uslovila i osobennosti razvitiia nauki v sotsialisticheskom obshchestve Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1963 289 p

COMMUNISM AND SOCIETY

Communism as the boundless progress of mankind. E. Panfilov. Polit. samoobr. 7 no. 10 75-78 O '63.

Gabriel'ian, G. G. [Contradictions of socialist society and ways of overcoming them] Protivorechiia sotsialisticheskogo obshchestva i puti ikh preodoleniia. Erevan, Izd-vo Erevanskogo gos. univ., 1962 270 p (NIC)

COMMUNIST COUNTRIES—ECONOMIC CONDITIONS

[National economy of socialist countries in 1962; reports of statistical agencies] Narodnoe khoziaistvo sotsialisticheskikh stran v 1962 godu, soobshcheniia statisticheskikh upravlenii. Moskva, Ekonomizdat, 1963 206 p

The socialist world today, figures and facts. Polit. samoobr. 7 no. 10 11-23 O '63.

COMMUNIST COUNTRIES—MONEY

Laws of the socialist reorganization of the monetary system. Z. Atlas. Den. i kred. 21 no. 9:12-22 S '63.

COMMUNIST COUNTRIES—MOTION PICTURES

Rubanova, I. I. [Motion-picture art of the socialist countries] Kinoiskusstvo stran sotsializma Moskva, Izd-vo "Znanie," 1963. 47 p (Narodnyi universitet kul'tury. Fakul'tet literatury i iskusstva, no. 10)

COMMUNIST EDUCATION

(see also subdivision under Lvov)

Always turn to the decisions of the party. E. D. Sitnikov. Sred. spets. obr. 10 no. 9 22-23 S '63.

Bornshtein, M. S. [Decline of pragmatic pedagogics] Zakat pragmaticheskoi pedagogiki. Moskva, Izd-vo "Znanie," 1963, 46 p. (Novoe v zhizni, nauke, tekhnike. XI Seriia: Pedagogika, no. 17)

Communist ideology is our weapon. Doslik. vosp. 36 no. 7:1-1 Jl '63.

Directional lines in ideological and educational work S Pletnev. Shkola-int no 4 17-50 Jl-Ag '63

[Education in the process of teaching] Vospitanie v protsesse obucheniia, sbornik statei. Moskva, Gos. uchebno-pedagog izd-vo, 1962. 243 p. (NIC)

Education of man is our most important task. T. Nikolaeva Sov. profsoiuzy 19 no. 16,1-3 Ag '63.

Forming the dialectical and materialistic philosophy of senior-grade students in physics lessons V. N. Mokhanashvili. Sov pedag 27 no. 8:56-66 Ag '63

"From communists to the Pioneers," Reviewed by O. Havrylenko. Rad. shk. 42 no. 5 101-102 My '63

Hometown of heroes G. Ivashchenko, A. Kozlov, G. Klimanov. Prof.-tekh. obr. 20 no. 7 7 Jl '63

How "Za metall," a factory newspaper, has covered the problem of the communist education of workers H. IA IAtsenko Ukr ist. zhur 7 no 4 105-107 Jl-Ag '63

Ideological training of students A Zaholotnova. Shkola-int no 4 12-14 Jl-Ag '63.

Labor is the basis of training the new man. Sots trud 8 no. 7 3-12 Jl '63.

Lenin, V. I. [Education and training] O vospitanii i obrazovanii. Moskva, Gos. uchebno-pedagog izd-vo, 1963 675 p. (NIC)

Let's carry out the decision of the party! Okh. truda i sots. strakh. 6 no. 7:1-3 Jl '63.

Let's follow Lenin's course Inostr iaz v shkole no. 4 2-4 Jl-Ag '63.

Let's inculcate communist consciousness in students. Biol. v shkole no. 3:3-5 My-Je '63.

Let's inculcate ideology from the first grade. V. Morozova Shkola-int. no. 4 9 Jl-Ag '63.

Let's intensify the role of natural sciences in the formation of students' world views. Sov. pedag. 27 no 6 3-9 Ag '63.

Let's raise the efficiency of educational work. P. E. Khaito. Rad. shk. 42 no. 9:10-12 S '63.

Let's raise the level of the world outlook in the teaching of specialized subjects. V. S. Ushatin. Sred. spets. obr. 10 no. 9 20-22 S '63.

The library as a center of ideological and political life. V. Stozharova. Shkola-int. no. 4 20-23 Jl-Ag '63.

N

tion of Workers During the Large-Scale Building of Communism] Materialy. Krasnoiarsk, Izd-vo Sibirskogo otd-niia Akad. nauk SSSR.

No. 1. [Problems of educational work in collectives of communist labor] Voprosy vospitatel'noi raboty v kollektivakh kommunisticheskogo truda. 1961. 270 p.

No. 4. [Communist education of students] Kommunisticheskoe vospitanie shkol'nikov. 1962. 173 p.

COMMUNIST EDUCATION (Continued)

New year and new tasks. P. I. Polukhin. Vest. vys. shkoly 21 no. 9 3-7 S '63.

Our power is in communist ideology. Doshk vykh 24 no 8 1-4 Ag '63.

The party teaches. E Maksimova Shkola-int. no 4 7-8 Jl-Ag '63

Political education is creative work. N Ivan'kovich Part. zhizn' no. 18 57-62 S '63.

Programs for the system of political education. Polit. samoobr. 7 no. 10 143 O '63.

Resolutions of the June Plenum and a foundation for the successful education of youth and scientific development. Vest. Mosk. un. Ser. 6 Biol., pochv. 18 no. 5: 3-5 S-O '63

Sharpen ideological weapons constantly Part zhizn' no. 13:5-11 Jl '63

To a new frontier. V. Strunin. Nach shkola 31 no 9 15-22 S '63

To live and to fight in Lenin's manner. Trud. i prak. fiz. kul't. 26 no. 8:1-6 Ag '63.

Training in Soviet patriotism is the most important task of schools. M S. Vasil'eva. Nach shkola 31 no. 9 10-15 S '63.

COMMUNIST ETHICS

Benderova, V. N. [Noble and ignoble people] Liudi i liudishki. Moskva, Politizdat, 1963. 126 p (Vremia i liudi)

Blinnikin, V. A. [Honor, dignity, and pride] Chest', dostoinstvo, gordost'. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. II Seriia. Filosofiia, no. 17)

Communism is created by the work of millions. Let us learn to work and live the communist way (methodological advice). Komm. Mold. 8 no. 3,39-49 Mr '63.

Fomenko, V. A. [One for all and all for one] Odin za vsikh, vsi za odnogo. Kyiv, Derzhpolitvydav URSR, 1963. 29 p (Moral'nyi kodeks budivnyka komunizmu)

Iampol'skyi, K. I. [The sense of common duty] Svidomist' hromads'koho obov'iazku. Kyiv, Derzhpolitvydav URSR, 1963 27 p. (Moral'nyi kodeks budivnyka komunizmu)

Klynchenko, V. V., and I. N. Minovych. [Be implacable to the enemies of communism] Buty neprymyrennym do voroghiv komunizmu. Kyiv, Derzhpolitvydav URSR, 1963. 34 p. (Moral'nyi kodeks budivnyka komunizmu)

Kondratenko, H. M. [Moral integrity] Pro moral'nu chystotu Kyiv, Derzhpolitvydav URSR, 1963 31 p (Moral'nyi kodeks budivnyka komunizmu)

Kostin, I. I. [Work for the good of society] Pratsia na blago suspil'stva. Kyiv, Derzhpolitvydav URSR, 1963 30 p. (Moral'nyi kodeks budivnyka komunizmu)

Kozlov, I. B. [The man of our great tomorrow] Chelovek velikogo zavtra. Moskva, Izd-vo "Znanie," 1963. 37 p (Novoe v zhizni, nauke, tekhnike II Seriia Filosofiia, no 18)

Kuznetsov, F. F. [What should I be; literature and the moral education of the person] Kakim byt'; literatura i nravstvennoe vospitanie lichnosti. Moskva, Sovetskii pisatel', 1962, 241 p.
(RPB)

Marxist ethics on the purport of life. P. M. Egides. Vop. filos. 17 no. 8:25-36 '63.

Moral standards and the need for regulations A Skryl'nik. Komm. Vooruzh. Sil 3 no 18 33-41 S '63

Nazymov, I. N. [Everyone's concern for the common good] Pikluvannia kozhnoho pro suspil'ne dobro Kyiv, Derzhpolitvydav URSR, 1963. 29 p. (Moral'nyi kodeks budivnyka komunizmu)

Prozhohin, V. E. [Dedication to the cause of communism] Buty viddanym spravi komunizmu Kyiv, Derzhpolitvydav URSR, 1963 26 p (Moral'nyi kodeks budivnyka komunizmu)

Rogov, I. M. [Work, duty, and the purport of life; talks with believers and nonbelievers on communist and religious ethics] O trude, dolge i smysle zhizni; besedy s veruiushchimi i neveruiushchimi o kommunisticheskoi i religioznoi morali. [Leningrad] Lenizdat, 1963. 65 p. (Biblioteka ateista)

Rud', H. P. [Remove the weeds from our fields] Het' bur'iany z nashoho polia. Kyiv, Derzhpolitvydav URSR, 1963 28 p (Moral'nyi kodeks budivnyka komunizmu)

"Studies of Marxist-Leninist ethics." Reviewed by V. Kononov. Polit. samoobr. 7 no. 10:130-131 O '63.

Tykhomyrov, IA. A. [Man should be friend, comrade, and brother to man] Liudyna liudyni — druh, tovarysh i brat. Kyiv, Derzhpolitvydav, 1963. 33 p. (Moral'nyi kodeks budivnyka komunizmu)

COMMUNIST ETHICS—BIBLIOGRAPHY see Bibliography—Communist ethics

COMMUNIST PARTIES

The struggle for peace and the international communist and workers' movement. Jacques Duclos. Part. zhizn' no. 20:68-73 O '63.

COMMUNIST PARTY see subdivision under China; France; Hungary; Italy

COMMUNIST PARTY OF THE SOVIET UNION
(see also subdivision under Dagheslan, Kazakhstan, Omsk Province, Tashkent, Ukraine, White Russia)

Alekseev, A. G. [From the party of the workers' class to the party of all the people] Ot partii rabochego klass—k partii vsego naroda Leningrad, Ob-vo "Znanie," RSFSR, 1963 55 p.

Answers to questions: Elections of leaders of party organs. Part. zhizn' no. 19 45-46 O '63.

The CPSU is the party of all people. Vop. filos. 17 no. 8:3-12 '63.

The CPSU is the political and ideological leader of the Soviet people. P. Rodionov. Polit. samoobr. 7 no. 10, 3-12 O '63.

The CPSU is the standard-bearer of communism. Komm. Bel. 37 no 8 18-23 Ag '63.

Emel'ianova, E. D. [Work of the Communist Party among working women during the period of reconstruction] Rabota Kommunisticheskoi partii sredi trudiashchikhsia zhenshchin v vosstanovitel'nyi period. Smolensk, Smolenskii, gos. pedagog. in-t, 1961. 33 p. (MB)

First time in history. Kul't. i zhizn' 7 no 8 2-3 '63.

For the high academic level of the educational process. P. P. Lopata Vest. vys. shkoly 21 no. 9:53-56 S '63.

Glorious jubilee Pozh delo 9 no. 7,1-2 Jl '63.

Korovnikova, N. I. [Beginnings of the labor movement and the spread of Marxism in Russia, 1883-1894] Nachalo rabochego dvizhenia i rasprostranenie marksizma v Rossii (1883-1894 gg) Moskva, Gospolitizdat, 1963. 47 p (Metodicheskie sovety propagandistam i samostoiatel'no izuchaiushchim istoriiu KPSS)

Lenin's principles of party and state control. V. Volovich. Komm. Vooruzh. Sil 3 no. 18 88-92 S '63

Let's teach students to think independently. A. I. Mirovitskii, K. M. Riabov. Vest. vys. shkoly 21 no. 9 56-63 S '63.

May a member of the bureau address a party meeting with proposals different from the decision of the bureau? Komm. Vooruzh. Sil 3 no. 18 87 S '63

Moscow. Akademiia obshchestvennykh nauk. [Lectures on the history of the CPSU] Lektsii po istorii KPSS, prochitany aspirantam Akademii obshchestvennykh nauk pri TsK KPSS v 1961/1962 g., Moskva, Izd-vo VPSh i AON
No 1 1963 357 p.
(CStmor)

Out-of-town sessions of the bureau and plenums of party committees. Part. zhizn' no. 19 46-47 O '63.

[The party is our helmsman] Partiia – nash kermanych. Kyiv, Derzhpolitvydav URSR 1963. 303 p

Shadeina, M. G. [Increasing the role of the CPSU in the development of the creative initiative of the peasantry in the period of the building of communism] Vozrastanie rol KPSS v razvitii tvorcheskoi initsiativy krest'ianstva v period stroitel'stva kommunizma. [Tiumen'] Tiumenskoe knizhnoe izd-vo, 1961, 34 p.
(MB)

Slepov, L. A. [A new stage in the development of Leninist organizational principles] Novyi etap v razvitii leninskikh organizatsionnykh printsipov, v pomoshch' studentam zaochnogo i vechernego obuchenilia, izuchaiushchim materialy XXII s"ezda KPSS [Moskva] Rosvuzizdat, 1963. 29 p.

With mind and heart. A. Sunkov. Av. i kosm. 46 no. 9: 2-4 S '63

COMMUNIST PARTY OF THE SOVIET UNION—BIBLIOGRAPHY see Bibliography—Communist Party of the Soviet Union

COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES

Communist ideology is our weapon. Doshk. vosp. 36 no. 7:1-4 Jl '63.

Kommunisticheskaia partiia Sovetskogo Soiuza, 13. s"ezd, Moscow, 1924 [Thirteenth Congress of the Russian Communist Party (Bolsheviks) May 1924; verbatim report] Trinadtsatyi s"ezd RKP(b) mai 1924 g., stenograficheskii otchet. Moskva, Gospolitizdat, 1963 883 p. (Protokoly i stenograficheskie otchety s"ezdov i konferentsii KPSS)
(CStmoR)

Significant event of our epoch. Vest. protivovozd. obor. no. 11:3-7 N '61.

COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP
(see also subdivision under Orenburg)

Participation of party members in the socialist labor movement. Part. zhizn' no. 20,66-67 O '63.

Simplicity and modesty. F. Makarov. Part. zhizn' no. 20:54-59 O '63.

This is not the proper way of admitting new members to the party. A. Svinarenko. Part. zhizn' no. 20:47-50 O '63.

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK
(see also subdivision under Amur Province; Armenia; Kazakhstan; Leningrad; Moldavia; Ukraine; White Russia; Yolets)

The activist group in radio broadcasting and television. K. Shestakov. Part. zhizn' no. 13:75-76 Jl '63.

Activities of the party committee of the State Committee for the Chemical and Petroleum Industries. Part. zhizn' no. 19 38-42 O '63.

Along the course traced by Lenin toward new heights in ideological work. V. M. Grishanov. Mor. flot, 43 no. 8:3-16 Ag '63.

Answering unpublished letters. Part. zhizn' no. 16 [illegible] S '63.

Answers to our questions Part. zhizn' no. 13 78 Jl '63.

"The art of persuasion" by A. M. Levin. Reviewed by A. Stepanov. Polit. samoobr. 7 no. 10 131-133 O '63.

Better guidance for the construction industry V. M. Part. zhizn' no 13 12-18 Jl '63

The CPSU is the sponsor and organizer of industrialization. S. Fedukin. Nar. khoz. Kazakh. 21 no. 7 8 Jl '63.

Care for the teacher. B. Panasiuk. Part. zhizn' [illegible] 50-52 O '63.

Chemical plants should be brought into operation without delay. Part. zhizn' no. 20:3-8 O '63.

The communist is a fighter for new social relations A. Vishniakov. Part. zhizn' no 13 19-26 Jl '63

Communist labor in the countryside V. Anisimov, P. Ignatovskii, G. Kalugin. Part. zhizn' no. 13 53-59 Jl '63

Councils of the secretaries of primary organizations. A. Beliakov, M. Lazarev. Part. zhizn' no. 19:[illegible] S '63.

The daily wall newspaper. E. Baliasnikov. Part. zhizn' no. 18 65 S '63.

"The demands of life." "Imaginary prosperity." "The art to see far." Answers to unpublished letters. Part. zhizn' no. 20:78 O '63.

Developing the creativeness of the masses. V. Terashchenko. Part. zhizn' no. 13 60-62 Jl '63.

Education of children is the order of the day. G. Fedoseev. Part. zhizn' no. 18 63-65 S '63.

The first assistant. Arkadii Sokhnin. Part. zhizn' no. 19,66-68 O '63.

First steps of the new party committee. G. Solovev. Rech. transp. 22 no. 9 6-7 S '63.

Fixed assets must be used effectively. I. Borisov. Part. zhizn' no. 20,31-39 O '63.

For lively and efficient guidance. Komm. Mold. 8 no. 3-8 My '63.

The force of communal work. A. Kochkurov. Part. zhizn' no. 13:41-46 Jl '63.

The guilty are punished. Part. zhizn' no. 19,70 O '63.

Hidden potentialities in the chemical industry. M. Filikov. Agitator no. 20:46-49 O '63.

I can't be punished. D. Vladimirov. Part. zhizn' no. 19 44 O '63.

Ideological education of foresters in the center of attention. Les. khoz. 16 no. 8 2-5 Ag '63.

Imaginary prosperity. I. Riabik. Part. zhizn' no. 13 [illegible] 52 Jl '63.

Instruction on chemistry for propagandists. Polit. samoobr. 7 no. 10 141-143 O '63.

Intensive activity. E. Andrianov. Part. zhizn' no. 19 41-46 S '63.

Let us produce adequate amounts of potatoes and vegetables. Part. zhizn' no. 19,28-29 O '63.

Let's improve the ideological work Mias. ind. SSSR 34 no. 4:3-3 '63.

Lively, concrete guidance. I. Dilakonov. Part. zhizn' no. 18 54-56 S '63.

Main direction. G. Shevchuk. Part. zhizn' no. 13:30-31 Jl '63.

New developments in the production planning of industrial plants. V. Rueskikh. Part. zhizn' no. 13:31-35 S '63

New phase in the ideological work of the party. K. T. Mazurov. Komm. Bel. 37 no. 8 3-17 Ag '63.

New principles of construction planning in operation, from the conferences of the party economic activist groups of important economic regions. Ekon. stroi. no. 9:7-13 S '63.

Party news. Part. zhizn' no. 13:79-80 Jl '63.

Party news. Part. zhizn' no. 18:79-80 S '63.

Party news. Part. zhizn' no. 19:79-80 O '63.

Party news. Part. zhizn' no. 20:79-80 O '63.

The party of builders of communism. P. Rodionov. Mir komm. no. 6:8-15 Je '63.

Party work is creative work. Part. zhizn' no. 19:3-9 O '63.

The plant works rhythmically. M. Khaiutin. Part. zhizn' no. 13 35-38 Jl '63.

Political education is creative work. N. Ivan'kovich. Part. zhizn' no. 18:57-62 S '63.

Problems concerning the organizational work in control organs. I. Grushetskii. Part. zhizn' no. 19:15-20 O '63.

Propagandist in a dwelling. N. Sedlukha. Part. zhizn' no. 13:65 Jl '63.

Public participation in the work of the soviets. P. Titov. Part. zhizn' no. 19:8-14 O '63.

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK (Continued)

Rational utilization of the land of the Lower Volga Valley. V. Antonov. Part. zhizn' no. 20 26-33 O '63.

School of party practice. Part. zhizn' no. 17, 73-74 S '63.

Sense of life. I. Gordienko, I. Vasil'ev. Mol. proletar. chud. promys. 1 no. 1 2-3 Sp '63.

Step in ideological education. Part. zhizn' no. 3 13-14 Ja '63.

Solving fundamental problems. I. Pomor. Part. zhizn' no. 20 29-33 O '63.

Soviet farms. P. Mel'nikov. Part. zhizn' no. 18 16-24 S '63.

Specialization and the consolidation of collective farms. N. Kozlov. Part. zhizn' no. 18 31-41 S '63.

The strut. V. Semenov. Pozh. delo no. 7 7 Jl '63.

Starting from the needs of the production. B. Zvorykin. Part. zhizn' no. 20 44-47 O '63.

Stellarov, L.K. [Communists in the most important sectors of production] Kommunisty naibolee shchushchikh sfer proizvodstva. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1961. 39 p.

Strengthen the ideological soil of consultations. Zemledelie. 25 no. 8 3-6 Ag '63.

"Take into consideration..." I. Bogdashkin. Part. zhizn' no. 19 47 O '63.

Under the banner of Lenin. M. Hodorkin. Mladaya zhyzn. 15 no. 7 1-2 Jl '63.

Unbelievable but true. Metallurg. 8 no. 8 1-2 Ag '63.

V. I. Lenin's views on control. S. Nikolaev. Part. zhizn' no. 18 73-76 S '63.

Weekdays of a factory party organization. V. Gorokhov, M. Gaichenko. Part. zhizn' no. 14 46-49 Jl '63.

When you are a communist.... I. Didenko, P. Semenov. Part. zhizn' no. 18 41-44 S '63.

Why Aleksandr Chelushkin wanted to leave. G. Shurin. Part. zhizn' no. 19 55-58 O '63.

Work of the party committee of the State Collective and State Farm Production Administration of the White Russian S.S.R. Part. zhizn' no. 20 71-74 O '63.

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK—BIBLIOGRAPHY see Bibliography—Communist Party of the Soviet Union—Party work

COMMUNIST REVISIONISM

The sharpest weapon of communist parties in the struggle against revisionism. V. V. Zakharevich. Nauch. trudy Zaporozhsk. gos. ped. inst. no. 61 71-74 '63.

Some features of present-day leftist opportunism. D. Chesnokov. Polit. samoobr. no. 10 13-23 O '63.

COMMUNIST STATE

An article written for the Soviet Ukrainian Encyclopedia. Rad. pravo no. 3 77-81 My-Je '63.

Dictatorship of the proletariat and the all-people's state. N. Alekseev. Part. zhizn' no. 18 4-15 S '63.

Kostun, Iu. F. [Soviet state during the period of the large-scale building of communism, an analytical review] Sovetskoe gosudarstvo v period razvernutogo stroitel'stva kommunizma, obzornaia retsenziia. Moskva, Izd-vo "Znanie," 1963. 39 p. (V pomoshch' lektoru)

Lokiev, I. V. [Development of V. I. Lenin's theory of the socialist state in the new program of the CPSU] Razvitie v novoi programme KPSS ucheniia V. I. Lenina o sotsialisticheskom gosudarstve. Leningrad, Ob-vo po rasprostraneniiu polit. i nauchn. znanii RSFSR, 1963. 71 p.

Nauchnaia sessiia iuridicheskoi sektsii Dal'nevostochnogo Soveta po koordinatsii i planirovaniiu nauchno-issledovatel'skikh rabot po gumanitarnym naukam (SI, 1962 [Present-day problems of the state and law] Problemy gosudarstva i prava na sovremennom etape. Trudy. Vladivostok, Dal'nevostochnyi gos. univ., 1963. 90 p. [MICROFILM]

COMMUNIST YOUTH LEAGUE

(see also subdivision under Chuvashia, Kazakhstan, Ukraine)

Always and in everything hand in hand with Lenin and the party. Smena 10 no. 11 1-2 Jl '63.

Commissions of Communist Youth League committees and bureaus. Komm. Vooruzh. Sil 4 no. 18 85-87 S '63.

[Companion for active members of the Communist Youth League; a guide book] Sputnik komsomol'skogo aktivista, spravochnaia knizhka. [Moskva] Molodaia gvardiia, 1962. 350 p.

Entering life. L. Korneshov. Mol. kolkhoznik no. 6 61-69 Je '63.

The flaming hearts of the members of the Communist Youth League, 15th anniversary of the Communist Youth League. Agitator no. 20 20-23 O '63.

One of the first. Iu. Lesokhin. Mol. kolkhoznik no. 6 76-81 Je '63.

Rebirth of a plant. V. Il'in. Mol. kolkhoznik no. 6 63-68 Je '63.

Right-wing men of the all-Union shock workers. V. Tereveskii. Agitator no. 20 24-27 O '63.

science should follow the communist path, too. V. Literatov. Mol. kolkhoznik no. 6 41-46 Je '63.

With a hired pen dunce. V. Feldman. Smena 10 no. 18 14-15 S '63.

Young people are following in the footsteps of heroes. I. Tikhanov. Komsomol'skaia pravda no. 16 68-72 '63.

Your party commander. V. Ranenova. Mol. kolkhoznik no. 6 82-84 Je '63.

COMMUNIST YOUTH LEAGUE—BIBLIOGRAPHY see Bibliography—Communist Youth League

COMMUNIST YOUTH LEAGUE—PERIODICALS

Your periodical, member of the Communist Youth League. Smena 10 no. 1 14 Ja '63.

COMMUNISTS see subdivision under Belgium

COMMUNITY AND SCHOOL

(see also subdivision under Likhachevskii, Kislovodsk, Orekhovo-Zuyevo District, Pavlovo, Gorkiy Province)

Contribution of the Soviet public to pre-school education. I. Frolova, N. Chernova, et al. Vop. filosof. Doklady konf. no. 8 4-9 Ag '63.

Local committee in rural kindergarten. N. Gromenchenko. Doshk. vosp. 25 no. 10 40-41 O '63.

Mail of "Sovetskii shkola." I. Chubikov and others. Sovetskii shkola 18 no. 5 21-30 My '63.

Meetings with the voters. Sovetskii shkola 18 no. 9 19 My '63.

Responsibilities, rights and trust. P. Shirov. Sovetskii shkola 18 no. 9 10-11 S '63.

Thrift is our concern too. Z. Z. Voinov. Sibirskaia prioroda, 7 no. 9 81 S '63.

Ways of pedagogical propaganda. I. Luzhkovaia. Doshk. vosp. 25 no. 9 75-76 Ag '63.

Workers' collectives as an active factor in education of senior grade students. V. IA. Rozenberg. Sov. pedagogika 27 no. 8 2-9 Ag '63.

COMMUNITY CENTERS

(see also subdivision under Minsk, Moscow)

Dance teacher. I. Bodrilov. Ogonek 41 no. 22 31 My '63.

Rural soviets and cultural work. P. Zhulin. Part. zhizn' no. 20 60-63 O '63.

COMMUTATION (ELECTRICITY)

Experimental data on the use of electrical brushes with increased current density in slide contact. P. Lavrit. Elektrichestvo no. 8 73-76 Ag '63.

COMPARATIVE LITERATURE see Literature, Comparative

COMPASS

Swimming under water by a compass. G. Ugrenskii. Vozd. flot no. 8 31-32 S '63.

COMPENSATION (LAW)

Legal problems concerning the return of confiscated property to rehabilitated citizens or to their heirs. I. Filimonov. Sov. iustitsiia 10 no. 8 26-31 Ag '63.

COMPETITION, INTERNATIONAL

The basic objective of the U.S.S.R. economic policy. M. Petrov, Kommun. Vooruzh. Sil 8 no. 3 50-56 Mr '63.

The force of example. Enrique Rodriguez. Part. zhizn' no. 19 69-72 O '63.

World politics and the struggle of two ideologies. O. Nikitin, V. Sukhodeev. Mir. ekhon. i mezhdunar. otn. no. 8 3-11 Ag '63.

COMPLEMENT FIXATION

Experience in the study of the complement fixation reaction with toxoplasmosis antigen in patients with neurofibromatosis. V. I. Kechker, N. S. Potekaev, R. Z. Naumushkina. Vest. derm. i ven. 37 no. 1 56-58 Ja '63.

COMPLEMENTS (IMMUNITY)

Effect of serotons of different polarity on the change in the complement titer. G. K. Trofimov. Izv. AN Kazakh. SSR Ser. med. nauk no. 2 68-72 '63.

COMPLEX COMPOUNDS

Acidic-basic properties of geometrically isomeric complex compounds. A. A. Grinberg, Kh. I. Gil'dengershel', E. P. Pantileeva. Zhur. neorg. khim. 8 no. 10, 2226-2231 O '63.

Complex formation in the system lithium sulfate - urea - water. K. Sulaimankulov, G. V. Naumova. Zhur. neorg. khim. 8 no. 9 2211-2213 S '63.

Compounds of beryllium chloride with phosphorus oxychloride. N. IA. Turova, K. N. Semenenko, A. V. Novoselova. Zhur. neorg. khim. 8 no. 9, 2155-2162 S '63.

Effect of outer-sphere cations on the stability of ligand bonds in complex compounds. N. M. Sinitsyn, O. F. Zviagintsev. Zhur. neorg. khim. 8 no. 10 2329-2331 O '63.

Ionization constants of tripyrocatechol-germanic and tripyrogallol-germanic acids. A. M. Andrianov, V. A. Nazarenko. Zhur. neorg. khim. 8 no. 10, 2276-2280 O '63.

Reactions of complex-forming reactions in aqueous solutions. I. A. Gamma. Zhur. neorg. khim. 8 no. 10 2331-2340 O '63.

COMPLEX COMPOUNDS—ABSORPTION SPECTRA

Infrared absorption spectra of uranyl nitrate and complexes with neutral ligands. V. A. Vdovenko, D. N. Suglobov, V. A. Trapeznikov, Radiokhimiia 5 no. 4 411-419 '63.

Infrared spectra of thorium, neodymium, and uranyl complex compounds with B-oxo and trialkyl phosphate. V. I. Gaevoi-Gerchikov, O. A. Osipov, R. R. Shaidullin. Radiokhimiia 5 no. 2 244-248 '63.

COMPLEX COMPOUNDS—SPECTRA

Vibrational spectra of trimmine complexes with organophosphorus derivatives. Part 2. Complexes of zirconium tetrachloride. G. P. Nikitin, M. I. Pushilenko. Radiokhimiia 5 no. 1 136-141 '63.

COMPOSITAE—DISEASES AND PESTS

Lesions of Helianthus tuberosus. Composite. N. S. Novosel'tsev. Bot. mat. Otd. sporovod. 16 71-84 '63.

COMPOST

Bodrova, I. M., and Z. D. Ozolina. [Organic fertilizers] Organicheskie udobreniia. Moskva, Izd-vo "Znanie," 1963. 52 p. (Narodnyi universitet kul'tury. Sel'skokhoziaistvennyi fakul'tet, no. 10)

Effect of peat-manure composts on the yield of corn. O. M. Vysotskaia. Bank pratsi Ukr. nauk.-dosl. inst. com. 1 108-114 '62.

Physiologically active substances of organic fertilizers. V. V. Mamaev, V. P. Vasil'chenko, S. M. Malyshenko. Visnyk sil'skogosp. nauky 6 no. 9 49-55 S '63.

Preparation and use of manure-peat-soil composts. A. M. Proshchalykin. Zemledelie 25 no. 8 63-65 Ag '63.

Zoological processes in the maturing of peat-manure composts [with summary in English]. N. M. Chernova. Pochvovedenie no. 9 99-102 Ap[1 c.N] '63.

COMPRESSED AIR

Adamkidze, D. I. [Blasting operations by compressed air under high pressure] Vzryvnye raboty szhatym vozdukhom vysokogo davleniia. Moskva, Gosgortekhizdat, 1963. 107 p.

Compressed air leak-proof testing of closed structures. V. P. Sokolov. Sviaz' stroit., no. 9 21-24 S '63.

Experimental study of the requirements of mine sections for compressed air. V. A. Murzin, Iu. A. Tsoitlin, V. V. Ilkhin, I. V. Vyssochenko, et al. Izv. vuzov, gor. zhur. 6 no. 7 146-149 '63.

Methods for determining engineering and economic efficiency of centralized air supply of industrial enterprises. P. P. Semenov. Tr. Gor.-metallurg. prom. no. 1 78-80 Ja-F '63.

COMPRESSED WOOD see Wood, compressed

COMPRESSORS

(see also subdivision under Penza)

Effect of an intake pipeline on the operation of a piston-type compressor. R. I. Gogin, Iu. A. Rotkovskii. Prom. energ. 18 no. 9 23-27 S '63.

Equipping the connecting-rod unit of a diesel locomotive compressor. V. I. Shkolaevskii, L. S. Vatsel'd. Vest. mashinostr. 43 no. 9 37-39 S '63.

New design of an oil deflector for compressors. I. P. Golovin, V. I. Voishvillo, P. Z. Ikachenko. Khim. mashinostr. no. 5 35 S-O '63.

Technical and economic effectiveness of the standardization of vertical compressors at the "Compressor" Plant. I. V. Likhon, Bibl. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch.-tekh. inform. no. 9 59-64 '63.

Use of a condensate injection for increasing the efficiency of a piston compressor. A. D. Bank, V. A. Khorolenko. Prom. energ. 18 no. 9 30-31 S '63.

Utilization of waste steam, distilling wash concentrate, heater water and condensate. S. G. Ilasov. Spirt. prom. 28 no. 6 31-32 '62.

COMPRESSORS—AERODYNAMICS

Pulsation in a composite system. V. M. Repukhov. Izv. vyss. uchebn. zav., neft. i gaz. 6 no. 8 78-86 '63.

COMPRESSORS—BLADES

Blades of axial-flow blowers from plastic materials. L. I. Nudel'man. Energomashinostroenie 9 no. 10 38-40 O '63.

COMPRESSORS—EQUIPMENT AND SUPPLIES

Ten-fold increase in stability. I. Sergeev. Starah. - serzh. no. 5, 31 My '63.

COMPRESSORS—SAFETY MEASURES

Eremenko, V. P. [Safety manual for the operator of a mobile compressor station] Pamiatka po tekhnike bezopasnosti dlia mashinista peredvizhnoi kompressornoi stantsii. Izd. 2., perer. i dop. Moskva, Gosstroiizdat, 1963. 27 p. (Tekhnika bezopasnosti v stroitel'stve)

CONCEPTS

Kuranov, G. A. [Dialectical materialism on concepts] Dialekticheskii materializm o poniatii. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 382 p. (MII)

CONCRETE

Nô gorodskii, M A [Nondestructive testing of the strength of concrete in structures by mechanical devices] Kontrol' prochnosti betona v konstruktsiiakh bez razrusheniia (priborami mekhanicheskogo deistviia), kn. 1, Gosstroizdat USSR, 1963 61 p

CONCRETE—CORROSION

Corrosive disposition of corrosion products in the [illegible] concrete [with summary in English] M. I. Firsova, Izv. vyss. ucheb. zav.; stroi. i arkhit. 6 no. 5 21-23 '63

CONCRETE—TESTING

Strength of solutions and concretes prepared from expanding cement [with summary in English] N. V. Mikhailov, Trudy NII BSR no. 3 107a-109a '63.

CONCRETE—TRANSPORTATION

Mortar and concrete transportation should be centralized. M. Petrov, A. Tsirkin. Avt. transp. 41 no. 9 12-13 S '63

CONCRETE BLOCKS

Chrome-alumina concrete and block products. V. A. Bron, K. P. Samarina. Ogneupory 28 no. 9 385-388 '63

Testing refractory concrete blocks in soaking pit walls. V. I. Shabalin, A. F. Tarasov, G. D. Sal'nanov. Ogneupory 28 no. 1 107-109 '63.

CONCRETE BRIDGES see Bridges, Concrete

CONCRETE CONSTRUCTION—FORMWORK

Forms for work made of glass reinforced plastic. V. V. Kokhanov. Prom. stroi. 40 [i.e. 41] no. 6 33-35 Je '63

Some causes of the breakdown of structures erected with monolithic forms. S. G. Shelkunov. Prom. stroi. 40 [i.e. 41] no. 7 31-35 Jl '63

CONCRETE PLANTS—DESIGN AND CONSTRUCTION

Plan of a concrete mixing division with horizontal distribution of the equipment. B. A. Grubenkov, R. A. Vellis-Popov. Prom. stroi. 40 [i.e. 41] no. 6:16-19 Je '63.

CONCRETE PLANTS—SAFETY MEASURES

Makhnovich, A. T. [Safety manual for workers repairing equipment in the molding shops of reinforced concrete plants] Pamiatka po tekhnike bezopasnosti dlia rabochikh po remontu oborudovaniia formovochnykh tsekhov zavodov zhelezobetonnykh izdelii. Moskva, Gosstroizdat, 1963. 31 p. (Tekhnika bezopasnosti v stroitel'stve)

CONCRETE REINFORCEMENT

"Longitudinal rolling of helical rib sections" by I. IA. Tarnovskii, V. K. Smirnova, S. L. Kotsar'. Reviewed by V. S. Smirnov, V. D. Durnev. Stal' 23 no. 6 552-553 Je '63

Sprayed concrete supports in the Tekeli Mine. V. S. Voronin. Shakht. stroi. 7 no. 10 13-15 O '63

CONCRETE ROOFING see Roofing, Concrete

CONCRETE WALLS

Gluing of cellular concrete wall panels. N. I. Levin and others. Stroi. mat. 9 no. 9 16-17 S '63.

CONDENSATE OIL WELLS

Changes in the gas factor of gas-condensate wells. K. V. Pokrovskii, A. S. Danilov. Izv. vys. ucheb. zav., neft' i gaz 4 no. 3 47-52 '61

Institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti. [Some problems in the development and operation of gas and gas-condensate fields] Nekotorye voprosy razrabotki i ekspluatatsii gazovykh i gazokondensatnykh mestorozhdenii. Moskva, 1962 91 p. (Tematicheskii nauchno-issledovatel'skii sbornik. Seriia Gazobenzinovoe proizvodstvo, ispol'zovanie prirodnogo i szhizhennogo gazov)

CONDENSATION PRODUCTS (CHEMISTRY)—TESTING

Using electric measurement methods for determining the mechanical strength of polymers. V. V. Savarenskii. Plast. massy no. 10 59-61 '63.

CONDENSERS (STEAM)

Equation for a surface type condenser without taking into consideration the presence of liquid in the steam space. *Trudy LTITsBP no. 11:170-179 '62.*

Studying the direct control of steam pressure and water level in a surface type condenser without taking into consideration the presence of liquid in the steam space. I. S. Podbelko. Trudy LTITSBP no 11:180-188 '62.

Testing of airtight chloroprene rubber coatings during the operation of the condenser of a sea water cooled thermal electric power plant. N. N. Kalinovskii, A. D. Shalagin, N. P. Skliarevskii. Energomashinostroenie 9 no. 9:32-35 S '63.

Use of a model in studying steam turbine condensers. V. F. IAnchenko, V. M. Abramov. Energomashinostroenie 9 no. 10:20-23 O '63.

CONDENSERS (STEAM)—COOLING

Increase in the life of condenser tubes cooled by sea water. B. M. Mittel'man. *Energetik 11 no. 8:16-18 Ag '63.*

CONDITIONED RESPONSE

Akademiia nauk SSSR. Institut vysshei nervnoi deiatel'nosti i neirofiziologii. [Neural mechanisms of conditioned reflex activity] Nervnye mekhanizmy uslovno-reflektornoi deiatel'nosti. Moskva, Izd-vo Akad. nauk SSSR, 1963 319 p.

Characteristics of the effect of sex steroid hormones on systemic motor conditioned reflexes in patients with climacteric syndrome. E. M. Vikhireva, IU. F. Zmanovskii. Akush. i gin. no. 2 59-65 '63.

Comparative physiological analysis of complex conditioned reflex movements, development of different forms of motor conditioned reflexes in dogs. K. A. Ioidaris. Vest. Mosk. un-ta. Ser. 6, Biol., pochv. 18 no. 5:6-15 S-O '63.

A comparison of trace-imitation and conditioned trace-reflexes in the Chimpanzee. L. A. Firsov. Vop. antr. no. 13:52-68 '63.

Conditioned reflex activity of elderly people. V. D. Mikhailova-Lukasheva. Dokl. AN BSSR 7 no. 7 492-497 Jl '63.

Effect of aminazine on conditioned reflex activity in dogs. S. A. Sarkisian. Zhur. eksp. i klin. med. 3 no. 2 11-16 '63.

CONE

Some conformities between the stress functions in the axisymmetrical and plane problems of the theory of elasticity, and solution to the axisymmetrical problem for an infinite hollow heavy cone. A. IA. Aleksandrov. Izv. Sib. otd. AN SSSR no. 2 15-24 '62.

CONFECTIONERY

Automatic distributing device for the automatic caramel wrapping machines. D. S. Polunovskii. Khleb. i kond. prom. 7 no. 6 31-35 Je '63.

New method for preparing chocolate coating. M. Rozhdestvenskaia. Khleb. i kond. prom. 7 no. 6 36-37 Je '63.

Universal completely mechanized continuous production line for the preparation of sirups. S. M. Zaitvanskaia. Khleb. i kond. prom. 7 no. 9 32-34 S '63.

Using the PZA semiautomatic machine for wrapping chocolate bars. G. N. Korotianskaia. Khleb. i kond. prom. 7 no. 6 36 Je '63.

CONFECTIONERY—ELECTRIC EQUIPMENT

High level of electrification in the enterprises of the confectionery industry. P. K. Popov, V. V. Abeldutina. *Khleb. i kond. prom. 7 no. 6 22-25 S '63.*

CONFECTIONERY—EQUIPMENT AND SUPPLIES

Across our homeland. V. Holovyns'kyi, IU. Vilens'kyi. Znan. ta pratsia no. 3:22 Mr '63.

Automation of the transfer of thick fillings. E. Nikitin. Khleb. i kond. prom. 7 no. 6:38-39 Je '63.

CONGO (BRAZZAVILLE) —POLITICS AND GOVERNMENT

"A model Congo." K. Borisova. Mezhdunar. zhizn' 10 no. 10 116 O '63.

CONGRESSES AND CONVENTIONS—BIBLIOGRAPHY see Bibliography—Congresses and conventions

CONGRUENCES (GEOMETRY)

Focal pairs. O. G. N. Makeev. Izv. vys. ucheb. zav.; mat. no. 4 92-98 '63.

CONIC SECTIONS

Comments on B. Pascal's "Essay on conic sections" and G. W. Leibniz's letter to Pascal by G. I. Ignatius. Ist.-mat. issl. no. 14:611 622 '61.

"Essay on conic sections" by Blaise Pascal [translated from the French]. Ist.-mat. issl. no. 14:603-610 '61.

CONIFERAE see subdivision under Archangel Province, Krasnoyarsk Territory

CONJUNCTIVITIS, GRANULAR—MICROBIOLOGY

Comparative study of the effect of the new preparation ditetracycline and other antibiotics on the trachoma virus [with summary in English]. Z. V. Ermol'eva and others. Vop. virus. 8 no. 3 343-346 My-Je '63

Isolation of the trachoma virus in a tissue culture; preliminary report. A. A. Dzhumambaeva, A. IU. Beklesheva. Vop. virus. 8 no. 3 335-337 My-Je '63

CONNEXES

D. M. Sintsov's studies on the theory of connexes and their use to the theory of differential equations. L. O. Naumov. Ist.-mat. zbor. 3 58-74 '62

CONSERVATION OF NATURAL RESOURCES

Following Lenin's example in our attitude toward nature. Les. khoz. 16 no. 3:82-84 Mr '63.

"More precious than gold," a collection of articles. L. P. Bereutsina. Biol. v shkole no. 3:93-95 My-Je '63.

CONSERVATION OF NATURAL RESOURCES—STUDY AND TEACHING

Let's take care of useful plants and animals. V. V. Strokov. Biol. v shkole no. 3:63-64 My-Je '63.

Shortcomings in the inculcation of a civilized attitude toward nature. IU. V. Rychin. Biol. v shkole no. 3:55-59 My-Je '63.

CONSTRUCTION EQUIPMENT

(see also subdivision under Belgorod Province; Leipzig)

Apparatus for drawing thin colored lines. [illegible] ko. Mekh. stroi. 20 no. 10 24-25 O '63.

Donskoi, V. M., and V. A. Lantsov. [Small hoisting and unloading construction machinery] Malye gruzopod"emno-razgruzochnye mashiny v stroitel'stve. Leningrad, 1963 33 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Stroitel'nye proizvodstva, no. 9)

Klaus, P. I., ed. [Operation of road, construction, loading and unloading machines] Ekspluatatsiia dorozhno-stroitel'nykh i pogruzochno-razgruzochnykh mashin. [By] S. M. Asheku i dr. Moskva, Transzheldorizdat, 1963 302 p.

Kokin, A. D. [New techniques in the finishing [illegible] Novoe v otdelke zdanii. [Moskva] Mosk. rabochii, 1963 63 p.

Machine tool for purifying ruberoid. G. V. [illegible] Mekh. stroi. 20 no. 10:20 O '63.

Mechanization of gluing of roll roofing to wood [illegible] Shabalina. Mekh. stroi. 20 no. 10:6-7 O '63.

Shmelev, N. V., and A. M. Shepel. [Overall mechanization on building sites] Kompleksnaia mekhanizatsiia na stroike. [Moskva] Mosk. rabochii, 1963 [illegible] [MICROFILM]

Through the pages of Soviet journals. Mekh. [illegible] no. 9 31-32 S '63.

Through the pages of foreign journals. Mekh. [illegible] no. 9 32 S '63.

Zafenskii, V. S. [Hoisting and conveying, and construction machinery] Podiemno-transportnye i stroitel'nye mashiny, primeniaemye v tsekhovom i sborochnom [illegible] 2d ed., dop. i perer. Moskva, Gos. uch.-ped. uch. shkola shkola," 1963 363 p.

CONSTRUCTION EQUIPMENT—ABSTRACTS

[Manufacture of mining machinery, construction equipment, and road machinery] Ref. zhur.: Gor. [illegible] dor. mashinostr. no. 4, 10-11 O-N '63.

CONSTRUCTION EQUIPMENT—COLD WEATHER OPERATIONS see subdivision under [illegible]

CONSTRUCTION EQUIPMENT—PERIODICALS

From the pages of Soviet periodicals. Mekh. [illegible] no. 10 29-31 O '63.

CONSTRUCTION EQUIPMENT—SAFETY MEASURES

Sveshnikov, V. A., and IA. D. Fatkullin. [Safety rules for workers using assembly guns] Pamiatka po tekhnike bezopasnosti dlia rabotaiushchikhsia strelo-montazhnym pistoletom. Izd. 2., perer. i dop. Moskva, Gosstroizdat, 1963, 27 p. (Tekhnika bezopasnosti v stroitel'stve)

CONSTRUCTION INDUSTRY

(see also subdivision under Lithuania; Mogilev-Podolsk; Riga; Ryazan Province)

Establishing norms for working capital in [illegible] M. Gurevich, D. Sheftel', Ekon. gazet., no. 6 [illegible] S '63.

First results of the reorganization. P. Gladkov, K. Glukhovskii. Ekon. gazet. no. 9, 11-[illegible] '63.

How to improve the work of the construction industry in rural regions? I. Gutsalenko. Sov. deputatov 65-69 Je '63.

Improve the mechanization of construction. A. [illegible] petiev. Mekh. stroi. 20 no. 9:1-3 S '63.

The introduction of new industrial forces in construction task. Prom. stroi. 40 [i.e. 41] no. 7:1-3 Jl '63.

New principles of construction planning. [illegible] no. 9:3-7 S '63.

Standard designs with technical and operational [illegible] certificates. M. S. Lovius. Prom. stroi. 40 [i.e. 41] no. 7:31 Jl '63.

CONSTRUCTION INDUSTRY—ACCOUNTING

(see also subdivision under Alma-Ata)

Keeping records of actual expenses for modernization. I. T. Khatchatriants. Prom. stroi. 40 [i.e. 41], no. 6:9-11 Je '63.

CONSTRUCTION INDUSTRY—BIBLIOGRAPHY see Bibliography—Construction industry

CONSTRUCTION INDUSTRY—COSTS

(see also subdivision under Alma-Ata; Kuibyshev Economic region)

Batkhin, M. I. [Planning the costs of construction and assembly work] Planirovanie sebestoimosti stroitel'no-montazhnykh rabot. Moskva, Gosstroizdat, 1963 107 p. (Voprosy ekonomiki stroitel'stva)

CONSTRUCTION INDUSTRY—DICTIONARIES

"Economics encyclopedia. Industry, Construction." Reviewed by P. Sigaev, M. Shreibman. [illegible] no. 9:60-64 S '63.

CONSTRUCTION INDUSTRY—EQUIPMENT AND SUPPLIES

Korelin, D. S., F. A. Lapir, and R. A. Lolell. [Automation of the technological equipment of construction industry enterprises] Montazh tekhnologicheskogo oborudovaniia predpriiatii stroitel'noi industrii. Moskva, Gosstroizdat, 1963, 230 p.

CONSTRUCTION INDUSTRY—FINANCE
(see also subdivision under Andizhan Province; Kazakhstan, Nizhniy Tagil, Tashkent)

From the practice of bank work with intercollective farm organizations. G. Uglanitsa, I. Artemenko. Den. i Kred. 21 no. 10 52-56 O '63.

Letters to the editor. Ekon. stroi. no. 9 69-73 S '63.

Sidorov, M. A. [How to improve the planning and financing of capital construction] Kak uluchshit' planirovanie i finansirovanie kapital'nogo stroitel'stva. Moskva, Ekonomizdat, 1963. 69 p. (V pomoshch' ekonomistu i planoviku)

Working capital of housing construction combines. M. Sokovnin. Ekon. stroi. no. 10 35-39 O '63.

CONSTRUCTION INDUSTRY—INDUSTRIAL CAPACITY
(see also subdivision under Siberia)

Calculating the productive capacity of construction organizations. V. Poltorygin. Ekon. stroi. no. 9 42-46 S '63.

Productive capacity of a construction organization. D. Konoplev. Ekon. stroi. no. 9 46-47 S '63.

Suggestions for the methodology of determining the productive capacity of construction and assembly organizations. Z. Herman. Ekon. stroi. no. 9 40-42 S '63.

CONSTRUCTION INDUSTRY—MANAGEMENT
(see also subdivision under Kazakhstan)

Better guidance for the construction industry. V. Vyzov Part. zhizni no. 13 12-18 Jl '63.

Disseminate this book among all construction workers. L. Mironenko, V. Chirkin. Nar. kho-vo Kazakh. 21 no. 7 78 Jl '63.

Kievskii, V. G. [Construction planning] Planirovanie stroitel'stva. Moskva, Ekonomizdat, 1963. 114 p. (V pomoshch' propagandistam i slushateliam seti partiinogo prosveshcheniia)

CONSTRUCTION INDUSTRY—QUALITY CONTROL see subdivision under Chimkent

CONSTRUCTION INDUSTRY—PRICES

Practice in using price lists in construction. Ekon. stroi. no. 10 68-69 O '63.

CONSTRUCTION INDUSTRY—TECHNOLOGICAL INNOVATIONS

Continuous operation in construction production is one of the conditions for the industrialization of production. M. Budnikov, V. Rybal'skii. Ekon. stroi. no. 10 13-19 O '63.

Instructions in determining the economic efficiency of technological innovations in construction. V. Klevskii. Ekon. stroi. no. 9:57-60 S '63.

CONSTRUCTION WORKERS see subdivision under Gorkiy region, Krasnoyarsk Territory, Moscow, Yuzhnoural'sk

CONSTRUCTION WORKERS—EDUCATION AND TRAINING

Russia (1917- R.S.F.S.R.) Glavnoe upravlenie professional'no-tekhnicheskogo obrazovaniia. [Organization and methods for training and improving the qualifications of personnel in the construction industry] Organizatsiia i metodika podgotovki i povysheniia kvalifikatsii kadrov v stroitel'stve. Moskva, 1963. 67 p. [MICROFILM]

CONSULAR LAW

A study in diplomatic law. P. Vladimirskii. Mezhdunar. zhizn' 10 no. 10:131-132 O '63.

CONTINUOUS CASTING

Widespread introduction of continuous processes. Metallurg 8 no. 8:22-23 Ag '63.

Widespread introduction of the continuous pouring of steel is a work of great economic significance. B. V. Fitilev, V. S. Rutes. Stal' 23 no. 9:769-772 S '63.

CONTRACTS, MARITIME

From the judicial practice of the U.S.S.R. Inform.sbor. TSNIIMF no. 49. Mor. pravo i prak. no. 9:68-70 '60.

Some suggestions concerning the preparation of rules on the mutual responsibility of contracting parties for their failure to carry out their plans for the maritime transportation of freight. K. F. Egorov. Inform.sbor. TSNIIMF no. 67. Mor. pravo i prak. no. 14:10-18 '61.

CONTRACTURE

Splint for the treatment of Volkmann's ischemic contracture of the wrist and fingers. P. IA. Fishchenko. Ortop., travm. i protez. no. 1:81-83 '63.

CONVALESCENCE

Ninth point. K. Cherevkov. Ogonek 41 no. 41:30-31 O '63.

CONVERGENCE

A class of iterative methods in Hilbert space [with summary in German]. S. Ulm. Izv. AN Est. SSR. Ser. fiz.-mat. i tekh. nauk 12 no. 2:132-140 '63.

Problem of the convergence and comparative characteristics of the method of mixed matrices and the method of elastic loads. A. Kh. Vatul'ian. Trudy NPI 136:97-109 '63.

CONVERTERS—DESIGN AND CONSTRUCTION

Effect of physicochemical indices of basic refractories on the stability of acid converter linings. A. P. Kudina, IU. A. Kurvchenko, G. F. Gul'ev. Ogneupory 28 no. 9: 100-108 '63.

Increasing the output and improving the durability of converter linings. I. N. Varnavskii and others. Metallurg 8 no. 9 26-27 S '63.

Using glog-graphite tuyeres in the hearth bottoms of bessemer converters. A. A. Tol'skii, N. T. Masiukov, A. K. Gordienko. Ogneupory 28 no. 9:391-396 '63.

CONVEX SURFACES

Existence of a closed convex surface with a given integral curvature topologically mapped onto a sphere. A. A. Zil'berberg. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2 73-77 '63.

CONVEYING MACHINERY

Automation of hoisting and conveying equipment. N. I. Erofeev. Mekh. i avtom. proizv. 17 no. 8:53-55 Ag '63.

Basic principles of the parametric series and model of underground apron conveyors. L. G. Shakmeister, A. V. Evnevich. Izv. vys. ucheb. zav., gor. zhur. 6 no. 8 31-41 '63.

Chain conveyor for sorting textile fabrics. V. A. Fedorchuk. Mekh. i avtom. proizv. 17 no. 8:42-43 Ag '63.

Designing suspended, hinged, and flexible roller supports. V. S. Bondarev. Izv. vys. ucheb. zav., gor. zhur. 6 no. 8:61-68 '63.

Determination of efficient spacing for carrying off rocks which have been sorted from coal in coal pits. P. T. TSerenshchikov, A. T. Kmitovenko. Izv. vys. ucheb. zav., gor. zhur. 6 no. 3,13-16 '63.

Determining the axial speed of a mass point in a vertical spiral conveyor. A. M. Grigor'ev, P. A. Preobrazhenskii. Izv. vys. ucheb. zav., gor. zhur. 6 no. 6 69-73 '63.

Effect of irregularity in the load of the bed of a block-chain conveyor on the propagation velocity of an elastic wave in the pulling part. N. D. Mukhopad. Izv. vys. ucheb. zav., gor. zhur. 6 no. 8:12-11 '63.

Expanding belt conveyer. L. M. Lotko. Stroi. mat. 9 no. 9:31 S '63.

Optimizing the processes of vibratory transportation by using a digital computer. I. F. Goncharevich, E. G. Saratovskii, I. V. Bishele. Mekh. i avtom. v gor. prom. no. 3 242-252 '63.

Organizing the operation of the main conveyor at the Gor'kiy Automobile Plant. A. F. Shatilov, V. I. Zykov. Trudy Stud. nauch. ob-va LIDI no. 3:49-57 '59.

Overhead foundry conveyor. E. I. Talanker. Lit. proizv. no. 8 36-38 Ag '63.

Overhead storage facilities with the use of push conveyors. M. A. Rikman. Mekh. i avtom. proizv. 17 no. 8: 35-39 Ag '63.

The PL-1 conveyor-loader. IU. A. Mingalev and others. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:13-14 '58.

Resistance coefficients of vibrating conveyors. I. F. Goncharevich. Nauch. soob. IGD 20:126-129 '63.

Results of experimental studies of a banding conveyor. V. I. Druzhinin, V. I. Matantsev. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 8:74-80 '63.

Selection of efficient parameters for the cross section of KLTa-1P conveyors. B. Z. Ovcharov. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 8:45-53 '63.

Table with a reversing apron conveyor. I. P. Utkin. Avt. prom. 29 no. 10:36 O '63.

Use of trolley transportation at quarries for building materials. N. A. Priadko. Mekh. stroi. 20 no. 9:13-15 S '63.

Variable length conveyer. N. M. Ruzanov. Khleb. i kond. prom. 7 no. 9:34-35 S '63.

CONVEYING MACHINERY—ELECTRIC DRIVING

Design of a double-drum drive for belt conveyors. IU. I. Mikhailov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 8:51-60 '63.

Determining the capacity of electric drives for scraper conveyors of shuttle-action plow apparatus. V. F. Shukailo. Izv. vys. ucheb. zav., gor. zhur. 6 no. 8:161-168 '63.

Electric drive systems of powerful belt c[onveyors]. Faddeev, B. V. IAkovenko, V. S. Volotko. Izv. vys. ucheb. zav., gor. zhur. 6 no. 8:167-173

Modeling the starting of belt conveyors w[ith] drives. B. A. Bukholdin, IU. A. Rykhal'skii. Gor. zhur. no. 9 39-44 S '63.

CONVEYING MACHINERY—TRANSPORT[ATION]

Means of increasing the transportation e[fficient] of efficiency of vibration conv[eyors] mechanical vibrator with direct action. Trudy NPI 136:125-131 '63.

CONVULSIONS

Blood supply to the brain during experim[ents] [with summary in English]. I. I. Fedorc[hen]kov, E. A. Zakharila. Pat. fiziol. i eksp. 30-34 Mr-Ap '63.

COOKERY

Advice to the cook. Obshchestv. pit. no. [illegible] '62.

For you, housekeeper. Koop. Kazakh. [illegible] '63.

From the cook's notebook. L. Ivanova. Obshchestv. pit. no. 8:17 Ag '62.

[Home canning and processing of agricultural products] Konservirovanie i pererabotka sel'skokhoziaistvennykh produktov v domashnikh usloviiakh. [By] D. P. Belousov i dr. Moskva, Sel'khozizdat, 1963. 400 p.

Home cookery. S. Andrianova. Obshchestv. pit. no. 8:56-57 Ag '62.

A notebook of useful advice. Ukraina no. 21:13 S '63.

COOKERY—EQUIPMENT AND SUPPLIES

Apparatus with new heating systems. A. Vishelesskii. Obshchestv. pit. no. 8:49-53 Ag '62.

COOKERY (FISH)

Cookery of semiprocessed fish products. A. Shaposhnikova and others. Obshchestv. pit. no. 8:18-20 Ag '62.

COOKERY, KIRGHIZ

Kirghiz cookery of the 19th and the early 20th century. M. T. Aitbaev. Izv. AN Kir. SSR. Ser. obshchestv. nauk 5 no. 1 13-23 '63.

COOKERY, MILITARY

Zakhar Tishov has the floor. Zakhar Tishov. Starsh.-serzh. no. 5 26-27 My '63.

COOLING

Effect of galvanometer's mechanical inertia on the determination of the rate of regular cooling. V. N. Cherkasov. Sbor. st. LITMO no. 47,63-73 '59.

COOLING TOWERS

Preventing corrosion and scale formation in primary gas coolers. N. G. Chen and others. Koks i khim. no. 9: 49-53 '62.

COOPERATIVE EDUCATION see Education, Cooperative

COOPERATIVE SOCIETIES
(see also subdivision under Asia, Bulgaria; Caucasus, Northern; Daghestan, Kalinin Province; Kazakhstan; Kokchetav Province, Kurdayskiy District, Mariuk District; Rostov Province, Shaartuz District, Shpakovskiy District; Siberia, Syrdar'inskiy District, Kyzl-Orda Province, Turkestan District, Underdeveloped Areas; Uzbekistan, Yaroslavl Province, Zharminskiy District)

Criticism and bibliography. Sov. potreb. koop. 7 no. 7: 63-64 Jl '63.

Editor's mail. Sov. potreb. koop. 7 no. 7:42-43 Jl '63.

The editor's mail. Sov. potreb. koop. 7 no. 8:30-31 S '63.

For peace, friendship and cooperation! Sov. potreb. koop. 7 no. 7 55-57 Jl '63.

In the interests of rural workers. IU. Khachaturov. Sov. potreb. koop. 7 no. 9:7-10 S '63.

International Cooperative Day. M. Rozmanov. Koop. Kazakh. 6 no. 1 41-43 Je '63.

Is such mediation necessary? M. Khasanov. Sov. potreb. koop. 7 no. 7:23-25 Jl '63.

Let's raise the level of planning. A. Balashov. Sov. potreb. koop. 7 no. 9:32-34 S '63.

State delivery operations of a cooperative society. Z. Lokhova, P. Pirogov. Sov. potreb. koop. 7 no. 7 50-55 Jl '63.

Toward a new improvement in cooperative work, from the Central Union of Consumers' Cooperatives meeting, May 7-8, 1963. Sov. potreb. koop. 7 no. 7,3-10 Jl '63.

Urgent task of the international cooperative movement. F. Voloshin. Sov. potreb. koop. 7 no. 9:44-47 S '63.

Victory of Lenin's policy of peaceful coexistence. Sov. potreb. koop. 7 no. 8:1-2 S '63.

COOPERATIVE SOCIETIES—AUDITING AND INSPECTION

[illegible]

COPPER

Intermetallic compound of zinc with copper. A. G. Stromberg, V. E. Gorodovykh Zhur. neorg. khim. 8 no. 10 2355-2359 O '63.

Underground leaching holds great promise for the copper industry. B. M. Sobiev, L. V. Khodov Gor. zhur. no. 9 3-4 S '63

COPPER—ELECTROMETALLURGY

The gas content of anodic copper. V. I. Ziazev, I. N. Tanutrov. Izv. AN SSSR, Otd. tekh. nauk Met. i gor. delo no. 2 54-58 Mr-Ap '63.

COPPER—METALLURGY

(see also subdivision under Balkhash, United States)

Effect of vacuuming on the composition and properties of cast copper. V. I. Ziazev, I. N. Tanutrov. TSvet. met. 36 no. 5, 30-34 My '63.

Stability of periclase-spinelide linings during the converting of copper matte. T. V. Demikhova, IU. V. Voronstsov. TSvet. met. 36 no. 9:37-41 S '63.

COPPER—WELDING

Gas-arc welding of M3 copper with a thickness of up to 3mm G. A. Asinovskaia, I. S. Shapiro. Svar. proizv. no. 9 19-21 S '63.

Welding under flux of vacuum tight joints in copper plate B. D. Alekseev, IU. IA. Novikov, M. G. Fridland Svar. proizv. no. 9 17-18 S '63.

COPPER ACETATES

Adaptation of the pathogen of potato late blight to copper acetate [with summary in English]. IU. T. D'iakov. Izv. TSKHA no. 2, 39-46 '63

COPPER AMMONIA CELLULOSE

Determination of the reactivity of cellulose in the production of cuprammonium fibers. A. N. Bykov Khim volok no. 5 32-35 '63.

COPPER HALIDES

Interaction of cupric chloride and bromide with trimethylamine hydrochlorides. L. A. Il'iukevich, G. A. Shagisultanova. Zhur. neorg. khim. 8 no. 10:2308-2313 O '63.

COPPER INDUSTRY see subdivision under Armenia

COPPER INDUSTRY—BY-PRODUCTS

Sodium sulfate method of processing copper dross R. S. Demchenko, I. R. Polyviannyi. Trudy Inst. met. i obog. AN Kazakh. SSR 6 91-105 '63.

COPPER-IRON ALLOYS see Iron-copper alloys

COPPER MINES AND MINING—EQUIPMENT AND SUPPLIES see subdivision under Dzhezkazgan

COPPER ORES see subdivision under Dzhezkazgan region; Perm Province; Ural Mountains

COPPER OXIDE CRYSTALS

Mechanism of the excitation of luminescence of cuprous oxide in the region of impurity absorption. IU. V. Vorob'ev, IU. I. Karkhanin Opt. i spektr. 15 no. 3 389-393 S '63.

COPPER OXIDES

Appearance of dislocations on the cleavage planes of cuprous oxide A. I. Andrievskii, G. F. Mocharniuk Kristallografiia 8 no. 5 793-795 S-O '63

COPPER SALTS

Interaction between copper and chromium salts. I. S. Mustafin, V. N. Lenskaia, R. K. Terekhova. Zhur. neorg. khim. 8 no. 10:2314-2317 O '63.

COPPER SULFIDE

Vapor pressure and the dissociation of copper and bismuth sulfides. R. A. Ishkova, V. N. Nesterov, A. S. Shendiapin Trudy Inst. met. i obog. AN Kazakh. SSR 6:156-159 '63.

COPYRIGHT

Gal'perin, G. I. [Fundamentals of the patent copyright law of the U. S. S. R.] Osnovy izobretatel'skogo i avtorskogo prava SSSR, uchebnoe posobie po kursu "Sovetskoe pravo." Moskva, Zaochnyi finansovo-ekon. in-t, 1960. 28 p.

[MICROFILM]

CORALS, FOSSIL

(see also subdivision under Altai Mountains, Siberia, Eastern)

First Symposium on the Study of Fossil Corals in the U. S. S. R. A. B. Ivanovskii. Geol. i geofiz. no. 8:117-118 '63.

CORDAGE—BIBLIOGRAPHY see Bibliography—Cordage

CORDAGE—EQUIPMENT AND SUPPLIES

Development of the process and parameters of high capacity equipment for the twisting of ropes. V. A. Zaheln. Nauch. -issl. trudy TSNIILV 17:113-147 '62

CORDAITACEA

Anatomy and nomenclature of the leaves of Angarian Cordaites. S. V. Meien. Paleont. zhur. no. 3:96-107 '63.

CORDIERITE

Semidry pressing of cordierite shelf tiles. R. M. Zaronts, G. G. Ul'ianova. Stek i fiber. 20 no. 10:25-28 O '63

CORE DRILLING see subdivision under Bashkiria

CORE DRILLING—EQUIPMENT AND SUPPLIES

Design of shells with changeable core extractors for drilling exploratory core holes. S. V. Penkovich, V. I. Maksimov. Trudy MGRI 39:148-156 '63.

Practice of using double-column vacuum pipes. G. I. Neudachin and others. Razved. i okh. nedr 29 no. 9 54 S '63.

COREMAKING—EQUIPMENT AND SUPPLIES

Sandblast machine for making large cores. K. T. Ivanova, O. S. Lempert Avt. prom. 29 no. 10 39-41 O '63

CORN (MAIZE)

(see also subdivision under Azerbaijan, Floreshty District, Karelia; Moldavia; Mongolia, Polesye, Russia, Northwestern, Sumy Province, Ternopol' Province; Ukraine, Vinnitsa Province; Zhitomir Province)

Biological characteristics of the germination of corn seeds. I. M. Sadykov. Trudy Azerb. nauch. -issl. inst. zem. 12:147-151 '62.

Corn is our wealth. L. I. Shiffer Mekh. sil'. hosp. 14 no. 5:3 My '63.

Developing winter-hardy winter wheats and cold-resistant corn. V. N. Orlov. Vest. sel'khoz. nauki 8 no. 3: 86-88 Mr '63.

Directed conditioning of corn for cold resistance. Z. I. Shchelokova Vest. sel'khoz. nauki 8 no. 3 41-42 Mr '63

Dynamics of the accumulation and translocation of assimilants in corn. Z. G. Dudko. Dokl. AN BSSR 7 no. 7 477-480 Jl '63.

Effectiveness of spiked disks in the tillage of corn fields. I. P. Zhukov. Mekh. sil'. hosp. 14 no. 4:8 Ap '63.

Korobkina, G., and K. Minskii. [From wonderful ear-corn] Iz chudesnogo pochatka. Moskva, Gosizdat, 1963. 98 p.

Growth and photosynthesis of corn plants as related to various planting times. V. G. Suleimanov. Trudy Azerb. nauch. -issl. inst. zem. 12:89-96 '62.

Need for quality control in seed disinfection. A. S. Bocvskii, K. I. Rodina. Zashch. rast. ot vred. i bol. 8 no. 9: 8 S '63.

Practical results of a new method for developing early ripening food varieties of corn. A. P. Bolizin. Vest. sel'khoz. nauki 8 no. 3:111-113 Mr '63.

The SKVD-6 double-disk sowing apparatus for corn planters. A. N. Pugachev, V. V. Sergeev. Tsukt. i sel'khozmash. 33 no. 4:32-33 Ap '63.

Sunflower as a crop to precede corn. L. P. Olefirenko Zemledelie 25 no. 8:71 Ag '63

CORN (MAIZE)—ANALYSIS AND CHEMISTRY see subdivision under Ukraine

CORN (MAIZE)—DISEASES AND PESTS

(see also subdivision under Ukraine)

Consider the viability of spores. E. I. Sidenko. Zashch. rast. ot vred. i bol. 8 no. 8:45 Ag '63.

Economic effectiveness of corn protection. M. A. Glebov, V. G. Platonova. Zashch. rast. ot vred. i bol. 8 no. 4:13 Ap '63.

Hill placement of hexachlorocyclohexane in soils. A. M. Ishmaev. Zashch. rast. ot vred. i bol. 8 no. 4:19-20 Ap '63.

CORN (MAIZE)—ECONOMIC ASPECTS

(see also subdivision under Ukraine)

Economics of secondary crops. D. S. Plias. Zhivotnovodstvo 24 no. 5:20-23 My '62.

CORN (MAIZE)—FERTILIZERS AND MANURES

(see also subdivision under Armenia; Azerbaijan; Drabov region, Polesye; Rovno Province, Sumy Province; Ukraine; Volyn' Province)

Effect of various amounts of mineral fertilizers on the yield and quality of corn. I. M. Sadykov, N. D. Rzaev. Trudy Azerb. nauch. -issl. inst. zem. 12:60-72 '62.

Effect of various methods of introducing the superphosphate and humus mixture on the assimilation of phosphorus by corn. S. N. Ivanov, Z. A. Khapkina. Dokl. AN BSSR 7 no. 7:485-487 Jl '63.

Effectiveness of bacterial fertilizers for increasing the yield of corn grown for grain. A. Z. Geiderly. Trudy Azerb. nauch. -issl. inst. zem. 12:85-87 '62.

Using green manure for corn. T. G. Mamedov. Trudy Azerb. nauch. -issl. inst. zem. 12:73-77 '62.

CORN (MAIZE)—HARVESTING see subdivision under Ukraine

CORN (MAIZE)—IRRIGATION

Duration of flowering and ripening of corn ears as related to irrigation. N. M. Bolarovich. Vest. sel'khoz. nauki [Kazakh.] 6 no. 7:20-26 Jl '63.

Duration of flowering and ripening of corn ears as related to irrigation. N. M. Bolarovich. Vest. sel'khoz nauki [Kazakh.] 6 no. 8:28-34 Ag '63.

CORN (MAIZE)—VARIETIES see subdivision under Moscow region, Polesye

CORN AS FEED

Corn silage in summer feeding of cows G. I. Pavlenkii Zhivotnovodstvo 24 no. 5:24-29 My '62.

Summer fattening of young cattle on corn silage. I. I. Semat, V. IA. Maksalov, N. I. Mosolov. Zhivotnovodstvo 24 no. 5 29-32 My '62.

CORN BREEDING

Controlling the heredity in corn breeding. A. S. Muslikov. Vest. sel'khoz. nauki 8 no. 3 19-24 Mr '63.

CORN OIL

Healthful oil. I. Vol'per. Obshchestv. pit. no. 8:27 Ag '62.

CORNCOBS

Nakhmanovich, B. M. [Preparation of solvents from corncobs] Poluchenie rastvoritelei iz kukuruznoi kocheryzhki. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1963. 53 p.

CORNCOBS AS FEED see subdivision under Vinnitsa Province

CORONA(ELECTRICITY)

Cleaning and grading small seeds in the field of a corona discharge. A. Basov, T. Lukienko Tekh. v sel'khoz. 23 no. 3:70-72 Mr '63

CORONARY HEART DISEASE

Effect of nitrosorbid on the cardiovascular system in coronary insufficiency. V. A. Gefter. Terap. arkh. 35 no. 2 22-30 F '63.

Electrophorograms of the blood serum in combination with fibrinogen and amino acids in patients with chronic coronary insufficiency. N. I. Semenovich. Terap. arkh. 35 no. 2 48-54 F '63

Phonocardiograms in coronary insufficiency. V. S. Gaslin. Terap. arkh. 35 no. 2 42-48 F '63.

Results and prospects of surgical treatment of coronary insufficiency (with summary in English) A. N. Bakulev, V. I. Promm Vest. khir. 90 no. 3 3-11 Mr '63

Skin thermometry of the anterolateral surface of the thorax in the diagnosis of coronary insufficiency. IU. D. Borodulin. Terap. arkh. 35 no. 2 37-41 F '63

Some types of therapy in chronic coronary insufficiency [with summary in English] V. N. Dzlak, A. A. Drobnichevskaia, E. V. Granovskaia Vrach. delo no. 7 26-30 Jl '63

CORONARY VESSELS

Accessory coronary arteries (anatomical experimental research) [with summary in English] I. M. Shvetsov, N. I. Abramova. Grud. khir. 4 no. 6 14-17 N-D '62.

Effect of Rauwolfia preparations on the coronary circulation in hypertension patients [with summary in English]. N. A. Gumennaia. Vrach. delo no. 9:50-54 S '63

CORONARY VESSELS—DISEASES

Coronary blood circulation in pneumosclerosis. A. M. Damir, G. E. Surankin. Terap. arkh. 35 no. 2:16-22 F '63.

CORONARY VESSELS—RADIOGRAPHY

Coronary angiography [with summary in English] V. P. Maraev. Eksper. khir. i anest. no. 1:21-24 '63.

CORONARY VESSELS—SURGERY

Course of experimental myocardial infarct following cardiac revascularization operations [with summary in English]. G. D. Mysh, A. F. Bocharov. Grud. khir. 4 no. 6 10-13 N-D '62

CORPORATIONS, GOVERNMENT see subdivision under India

CORPULENCE

Prevention and treatment of corpulence. IA. E. Shapiro. Med. sestra 22 no. 9:31-34 S '63.

CORPUS LUTEUM—DISEASES

Cysts of the corpus luteum. V. N. Serov. Akush. i gin. no. 2:125-127 '63.

CORRESPONDENCE SCHOOLS AND COURSES

Not all problems are solved yet. B. P. Nadeinskii, A. S. Zavialov. Vest. vys. shkoly 21 no. 9 30-33 S '63.

Organizing an effective correspondence department. S. V. Moiseev. Vest. vys. shkoly 21 no. 9, 23-26 S '63.

Some special aspects of review lectures for correspondence students. E. M. Musnitskii. Sred. spets. obr. 10 no. 9 30-33 S '63.

CORROSION AND ANTICORROSIVES

Akol'zin, P. A., and V. V. Gerasimov. [Corrosion of the structural materials of nuclear and thermal electric-power plants] Korroziia konstruktsionnykh materialov iadernykh i teplovykh energeticheskikh ustanovok. Moskva, Gos. izd-vo "Vysshaia shkola," 1963 375 p.

Corrosion of metals in contact with building materials. G. B. Klark, G. G. Koshelev, G. K. Berukshtis. Prom. stroi. 40 [i. o. 41] no. 6, 27-31 Je '63.

Do the same thing. A. Molibog. Starsh. -serzh. no. 5:29 My '63.

Effect of certain alloying components on the properties of austenite stainless steels. M. Prazak, V. Cihal, J. Mechura. Khim. mashinostr. no. 5:23-28 S-O '63

CORROSION AND ANTICORROSIVES (Continued)

Effect of the structure of hydrocarbon radicals on the anticorrosion properties of sulfur- and phosphorus-containing additives. V.S. Domchenko. Khim i tekh. topl i masel 8 no.2 46-48 F '63

Efficient methods for corrosion prevention in submarine oil-field equipment. V.F. Negrecov, A.A. Farkhadov, P.A. Duel'. Za tekh.prog. 3 no.9 45-48 S '63.

Pay greater attention to protective lubricants. I.N. Rozsadovskaia, L.D Khoroshilova Neftianik 8 no.2: 13 F '63

Preventing corrosion and scale formation in primary gas coolers. N.G. Chen and others. Koks i khim. no.9: 49-53 '62.

Providing for the durability of structural elements of shops in which sulfuric acid is liberated. B.I. Borisov. Prom. stroi. 40 [i.e. 41] no.6:35-39 Je '63.

Using volatile inhibitors as anti-corrosives for metals. A.E. Kutlovskaia, G.D. Bessmertnaia. Za indus. Riaz. no.2:53-54 D '61.

CORROSION-RESISTANT MATERIALS

Corrosion resistance of some materials during the nitric acid decomposition of phosphates and potassium chloride. N. Imamnazarov, M.N. Nabiev. Uzb. khim. zhur. 7 no.4 6-10 '63.

CORTICOSTEROIDS see Adrenocortical hormones; Steroids

CORTISOL

Treatment of traumas of the locomotor apparatus in athletes by local injections of hydrocortisone. Z.S. Mironova, R.I. Merkulova. Ortop., travm. i protez. no.1 43-48 '63

CORTISONE

Effect of chlortetracycline and cortisone on the cholesterol level of the blood serum in patients with acute bacillary dysentery [with summary in English]. G.S. Mironov, A.I. Mikhailov, L.E. Astakova. Antibiotiki 7 no.7:636-638 Jl '62.

CORUNDUM—SPECTRA

Pevzner, R.L. [Spectral analysis of synthetic corundums used in the manufacture of abrasives] Spektral'nyi analiz sinteticheskorundov, primeniaemykh v abrazivnoi promyshlennosti; opyt zavodov. Leningrad, 1961. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Kontrol' kachestva produktsii, no.7)

[MICROFILM]

CORUNDUM—THERMAL PROPERTIES

Enthalpy of corundum in the 673 - 1330°K temperature range. V.A. Sokolov, R.I. Banashek, S.M. Rubinchik. Zhur. neorg. khim. 8 no.9:2017-2020 S '63.

CORUNDUM CRYSTALS—GROWTH

Combined growth of Al_2O_3 and Cr_2O_3 under hydrothermal conditions. V.A. Shorygin. Kristallografiia 8 no.5 803-804 S-O '63

CORYNEBACTERIUM DIPHTERIAE

Deoxyribonuclease activity in corynebacterium and its relation to toxigenicity. O.V. Messinova, D.V. Iusupova, N.S. Shamsutdinov. Zhur. mikrobiol., epid. i immun. 40 no.1 20-25 '63.

Indications of diphtheria bacilli in a mixed culture by cystine-tellurite-serum media [with summary in English]. V.B. Sadykova. Zhur. mikrobiol., epid. i immun. 40 no.1 107-113 '63.

New elective chinozol medium for the detection of diphtheria bacteria. P.I. Buchin. Zhur. mikrobiol., epid. i immun. 40 no.1.98-103 '63.

COSMETICS

Put the achievements of chemistry at the service of the perfumery and cosmetics industry. Masl.-zhir.prom. 29 no.9:1-4 S '63.

Unjustified calmness. A. Pleshev. Sov. potreb. koop. 7 no.7:29-30 Jl '63.

Wishing good luck to a cosmetic firm. Iu. Egorov. Mest. prom. i khud. promys. 4 no.4:25-26 Ap '63.

COSMIC DUST

Density of dust and gas in the direction l = 52°, b = 0 (constellation Cygnus) [with summary in English]. L.P. Metik. Izv. Krym. astrofiz. obser. 29:315-317 '63.

COSMIC RADIATIONS, RADIO-FREQUENCY

Radio frequency and X-radiation from solar flares [with summary in English]. A.K. Pankratov. Izv. Krym. astrofiz. obser. 29:160-174 '63.

COSMIC RAYS

Azimuthal angular distribution of shower particles produced by cosmic ray particles in a photographic emulsion [with summary in English]. Sh. Abduzhamilov and others. Zhur. eksp. i teor. fiz. 45 no.3:407-414 S '63.

Effect of the nature of a primary particle of an electron-photon cascade shower on the form of the angular and spatial distribution functions. V.V. Guzhavin, I.P. Ivanenko. Vest. Mosk. un. Ser. 3. Fiz., astron. 18 no.5: 3-7 S-O '63.

Energy spectrum of nuclear-active particles in extensive air showers [with summary in English]. Kh.P. Babaian and others. Zhur. eksp. i teor. fiz. 45 no.3:418-427 S '63.

Fluctuation of the number of particles in electron-photon showers generated by high-energy μ-mesons [with summary in English]. N.M. Gerasimova, E.V. Gedalin. Zhur. eksp. i teor. fiz. 45 no.3:565-575 S '63.

Study of the azimuthal angular distribution of particles in cosmic-ray showers. L.A. Sanko. Trudy Inst. fiz. fiz. AN Kazakh. SSR 6.64-70 '63.

Width of corpuscular streams responsible for the diurnal effect in cosmic rays [with summary in English]. A.A. Stepanian. Izv. Krym. astrofiz. obser. 29 126-130 '63

COSSYRITE

Cossyrite is identical with enigmatite. Z.V. Shlukova. Trudy Min. muz. no.14 262-264 '63.

COST AND STANDARD OF LIVING

Everything for the man and his welfare. R. Avrev Sots. trud. 8 no.7 151-155 Jl '63

Prewar standard of living of collective farm peasants [with summary in English, p. 220]. M.A. Vyltsan. Vop. ist. 38 no.8:15-24 S '63.

COSTS, INDUSTRIAL see subdivision under Tatar A.S.S.R

COSTUME, KAZAKH

Kazakh men's and women's costume of the 19th and early 20th century. I.V. Zakharova, R.D. Khodzhaeva. Trudy Inst. ist., arkheol. i etn AN Kazakh SSR 18.51-66 '63.

COTTON

Controlling the heredity of cotton by graft-hybridization. L.G. Arutiunova. Vest. sel'khoz. nauki 8 no.3.135-136 Mr '63.

COTTON—DISEASES AND PESTS see subdivision under Nakhichevan A.S.S.R.; Tashkent Province

COTTON BREEDING see subdivision under Turkmenistan; Uzbekistan

COTTON FABRICS

Fireproofing treatment of cotton fabrics. M.A. Lyzentseva, R.K. Valetdinov, E.V. Kuznetsov. Trudy KKHTI no.30.170-173 '62

COTTON GROWING see subdivision under Azerbaijan; Soviet Central Asia

COTTON GROWING—HYGIENIC ASPECTS see subdivision under Leninsk District (Andizhan Province)

COTTON MANUFACTURE—RESEARCH

Moscow. TSentral'nyi nauchno-issledovatel'skii institut khlopchatobumazhnoi promyshlennosti. [Abstracts of scientific research papers for the year 1961] Annotatsii nauchno-issledovatel'skikh rabot za 1961 god. Moskva, 1962. 137 p.

COTTON-PICKING MACHINERY see subdivision under Uzbekistan

COTTON WILT

Method for determining the resistance of cotton to wilt. D.G. Allov. Zashch. rast. ot vred. i bol. 8 no.4:46 Ap '63.

COTTONSEED

True specific weight of cottonseeds. B.M. Gurovich. Masl.-zhir. prom. 29 no.8:15 Ag '63.

COUPLINGS

Automatic coupler for transportation trucks. A.Shapovalov. Tekh. v sel'khoz. 23 no.3:54-57 Mr '63.

Calculating clamp joints. D.A. Gadzhialiabelli, F.Sh. Guseinov. Izv. vys. ucheb. zav.; neft' i gaz 4 no.3:99-102 '61.

Designing an elastic plunger coupling with a limiting moment. G.V. Gonskii, O.K. Sliva. Izv. vys. ucheb. zav.; mashinostr. no.8:71-80 '63.

Review of M.M. Shchukin's book "Couplings for motor vehicles and tractors." B.P. Fedorov. Avt. prom. 29 no.10:47 O '63.

COURTS

(see also subdivision under Kazakhstan; Vietnam, North)

Leninist methods in the work of Soviet courts. Sov. iust. no.10:1-3 Ag '63.

Komissarov, K.I. [Principles of the organization and work of the Soviet Court] Osnovy organizatsii i deiatel'nosti sovetskogo suda. Moskva, Gosiurizdat, 1963. 22 p. (Bibliotechka slushatelia narodnogo universiteta pravovykh znanii)

COURTS—BIBLIOGRAPHY see Bibliography—Courts

COVELLINE see subdivision under Kirovakan region

COWS

A case of uterus unicornis in a cow. V.G. Chiradze. Sbor. trud. Gruz. zootekh.-vet. nauch.-issl. inst. 32:181-182 '61.

Zootechnical accounting where loose housing for cows is in effect. O.N. Kulikov, S.M. Lisovik. Uchet i fin. v kolkhoz. i sovkhoz. 20 no.7.5-10 Jl '63.

COWS—DISEASES AND PESTS

(see also subdivision under Lvov)

High-dispersion emulsion against endometritis in cows. A.M. Selous'eva. Veterinariia 39 no.9:53-54 S '62.

COWS—FEEDING AND FEEDS

Corn silage in summer feeding of cows. G.I. Pasechnik. Zhivotnovodstvo 24 no.5:25-29 My '62.

Vitamin A value of milk as related to cow feeding. IE.I. Hertsen. Visnyk sil'hosp. nauky 6 no.9 93-98 S '63.

COXSACKIE VIRUSES

Coxsackie infections in children [with summary in English]. I.S. Vintovkina, F.G. Itselis. Pediatriia 42 no.1:37-42 Ja '63.

CRACKING PROCESS

Thermal cracking of extracts. V.I. Zavidov. Nefteper. i neftekhim. no.1:14-16 '63.

CRANES, DERRICKS, ETC.

Actual trajectory of load movement during the change of switch jib overhanging in gantry cranes. V.I. Braude, B.S. Leikin, V.I. Onishchenko. Vest. mashinostr. 43 no.9 26-28 S '63.

Deformation calculations for composite structures of the crane boom type. S.A. Kuidich, V.L. Lifshits. Prom. stroi. 40 [i.e. 41] no.7 35-38 Jl '63.

Design of the main beams of crane bridges. I. Kolarov, N.TS'rvenkov. Vest. mashinostr. 43 no.9.28-31 S '63.

Effective connecting-rod curves for gantry crane jibs. B.I. Zhermunskii. Vest. mashinostr. 43 no.9.24-26 S '63.

Epifanov, S.P., V.I. Poliakov, and A.I. Al'perovich, [Operator of tower cranes] Mashinist bashennykh kranov, izd.3., ispr. i dop. Moskva, Profizdat, 1963. 517 p.

Loading and unloading of asphalt and bitumen by grab cranes. I. Kilanov, F. Leiner, L. Zhalcev. Mor. flot 23 no.10.14-16 O '63.

Operating semigantry cranes. G.M. Mironov, A.Sh. Pilipovskii, D.A. Rogovin. Mekh. i avtom. proizv. 17 no.8:26-27 Ag '63.

Simplified cable crane for reserve stacking of full-length logs. A.I. Plir, P.D. Reimas, IA.I. Chikov. Les. prom. 41 no.6:10-12 Je '63.

Supporting elements for grab cranes with flangeless running wheels. S.M. Krylov, N.P. Utenko. Prom. stroi. 40 [i.e. 41] no.6:41-43 Je '63.

CRANES, DERRICKS, ETC.—DESIGN AND CONSTRUCTION

Loading jibs made of aluminum alloys. S. Rostov. Rech. transp. 22 no.8:53 Ag '63.

CRANES, DERRICKS, ETC.—MAINTENANCE AND REPAIR

Plastic coatings in the repair of cranes. R. Rutt and others. Rech. transp. 22 no.8.21-22 Ag '63.

CRANES, DERRICKS, ETC.—SAFETY APPLIANCES

Bashmakov, A.M., and A.I. Kozlov, [Lifting-capacity limiter for jib cranes. Self-gripping catch for sheet materials] Ogranichitel' gruzopod"emnosti dlia stroitel'nykh pod"emnykh kranov. Samozazhimnoi zakhvat dlia listovogo materiala. Leningrad, 1963. 17 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Mekhanicheskaia obrabotka metallov, no.12)

CRANES, DERRICKS, ETC.—SAFETY MEASURES

Kosolapov, V.G. [Safety manual for drilling crane operators] Pamiatka po tekhnike bezopasnosti dlia mashinistov buril'no-kranovykh mashin. Moskva, Gosstroiizdat, 1963. 16 p. (Tekhnika bezopasnosti v stroitel'stve)

CRANIOLOGY

(see also subdivision under Caucasus; Europe, Eastern; North Kazakhstan Province; Samarkand Province)

Characteristic features of the variability of the temporal and occipital lobes of the endocranial casts of the Hominidae. V.I. Kochetkova. Vop. antr. no.13:33-51 '63.

Data on the variability of the cellular structure of the cerebral cortex of man. G.I. Poliakov, K.K. Blinova. Vop. antr. no.13:69-89 '63.

Paleoanthropological materials from the neolithic burial ground in Ateksandriya. T.S. Surgina. Trudy Inst. etn. 82:144-153 '63.

CRANKS AND CRANKSHAFTS

Automatic line for in-feed grinding of stepped shafts. D.A. Simonov. Trakt. i sel'khozmash. 33 no.6:41 My '63.

Causes of the formation of cracks on the crankshaft journals during induction hardening. F.I. IAkovlev. Trakt. i sel'khozmash. 33 no.5:39-41 My '63.

CRANKS AND CRANKSHAFTS (Continued)

Fatigue strength of shafts following nitriding and straightening. I. V. Kudriavtsev and others. Metalloved. i term. obr. met. no. 10:32-34 O '63.

How to make a crankshaft for a sawboard of a straw baler. D. S. Perevalov. Mekh. sil'. hosp. 14 no. 5:17 My '63.

Polishing crankshaft journals. P. Voronov. Tekh. v sel'khoz. 23 no. 2:61-62 F '63.

CRANKS AND CRANKSHAFTS—MAINTENANCE AND REPAIR

Reconditioning crankshafts of the GAZ-51 engines. M. Gogolitsyn and others. Avt. transp. 41 no. 5:25-27 My '63.

CRANKS AND CRANKSHAFTS—TESTING

Investigating the performance of the crankshaft bearing assembly of the D50 diesel locomotive engine. I. I. Narskikh. Trudy TsNII MPS, no. 262:83-100 '63.

Materials for measuring the wear of the crankshafts of diesel locomotive engines. A. I. Volodin, I. I. Narskikh, Iu. V. Gorianskii. Trudy TsNII MPS no. 262:73-84 '63.

CRAWLER TRACTORS

Specific gravity parameters of a crawler tractor. I. I. Parfanov. Trakt. i sel'khozmash. 33 no. 9:10-11 S '63.

CREATION (LITERARY, ARTISTIC, ETC.)

An idea and its embodiment. A. Hnat. Vop. lit. 7 no. 9: 164-170 S '63.

Work of the writer. L. Livshits. Vop. lit. 7 no. 8:216-220 Ag '63.

CREATIVE ACTIVITIES AND SEAT WORK

Children of a preparatory group make wooden toys. V. Shymanovs'ka. Doshk. vykh. 24 no. 5:30-32 My '63.

Construction and play. G. Shakh. Doshk. vosp. 36 no. 8: 36-40 Ag '63.

Construction of wooden articles. S. Briantsev'ka. Doshk. vykh. 24 no. 5:37-41 My '63.

Enthusiasm in work. L. Popovskaia. Doshk. vosp. 36 no. 7:108 Jl '63.

Gifts of summer. N. Litvinova. Semʹia i shkola. 18 no. 6:47-48 Ag '63.

Trifonov, S. F. [On work-training lessons in grades 1-4] Na urokakh truda v 1-4 klassakh. Moskva, Uchpedgiz, 1963. 86 p.

We are preparing for summer together with our children! N. Litvinova. Semʹia i shkola. 18 no. 5:46-47 My '63.

CREDIT

(see also subdivision under Italy, Kirov Province)

Checking the credit security in trade. U. Kazun. Den. i kred. 21 no. 10:65-68 O '63.

Credits for capital assets. N. Barkovskii. Den. i kred. 21 no. 10:3-11 O '63.

Current problems of bank control. N. Fadeev. Den. i kred. 21 no. 9:47-53 S '63.

Efficiency of credit for production mechanization and automation expenditures. V. Ivanter. Den. i kred. 21 no. 10:27-34 O '63.

CREEP OF MATERIALS

Contact problem of the theory of creep allowing for the friction forces. N. Kh. Artiunian, M. M. Manukian. Prikl. mat. i mekh. 27 no. 5:813-820 S-O '63.

Creep in the torsion of a circular conical rod made of material characterized by non-steady-state inhomogeneity. M. A. Zadoian. Dokl. AN Arm. SSR 36 no. 3: 153-156 '63.

CREEP OF METALS

Connection between the elasticity modulus and the creep rate in iron-aluminum alloys at high temperatures. E. A. Surova, L. N. Bystrov, L. I. Ivanov. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no. 4:130-134 Jl-Ag '63.

Investigating creep of alpha and beta modified titanium-zirconium alloys. K. A. Osipov, E. M. Miroshkina, A. L. Sotnichenko. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no. 2:146-152 Mr-Ap '63.

CRIME AND CRIMINALS

(see also subdivision under Germany, West, United States)

Answering our readers' questions. Sov. iust. no. 17:29 S '63.

Criminal responsibility for the production of low-grade, substandard, and deficient goods. M. Efimov. Sov. iust. no. 17:17-18 S '63.

Criminal responsibility for violating the laws which regulate the carrying, keeping, producing, and selling of arms and explosives. P. Grishanin. Sov. iust. no. 16:13-14 Ag '63.

Golden rags. V. Tonkikh. Sov. iust. no. 16:16-17 Ag '63.

Levitskii, G. A. [They are condemned by the millions of Soviet citizens] Protiv nikh - milliony. [Leningrad] *Lenizdat*, 1963. 62 p.

Pistol No. 2109 (conclusion). Stella Trofimova. Sots. zakon. 40 no. 8:80-86 Ag '63.

CRIME PREVENTION

(see also subdivision under Uzhgorod)

Levina, A. L. [Answering for each man] V otvete za cheloveka. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. X Seriia: Molodezhnaia, no. 18)

Important factor in the prevention of recidivous crimes. I. Shmarov, G. Tumanov. Sov. iust. no. 15:19 Ag '63.

Struggle against criminal offenses is a problem of national importance. L. Mironov. Sov. iust. no. 16:11-12 Ag '63.

Levitskii, G. A. [They are condemned by the millions of Soviet citizens] Protiv nikh - milliony. [Leningrad] Lenizdat, 1963. 62 p.

CRIMEA—AFFORESTATION

Practices in using large saplings on mountain slopes in the Crimea. V. S. Shchichko. Les. khoz. 16 no. 3:61 Mr '63.

CRIMEA—AGRICULTURAL WAGES

Piecework-bonus wages on state farms. IE. Bezsonov. Ekon. Rad. Ukr. no. 5:101-106 S-O '63.

CRIMEA—ASTHMA

Treatment of bronchial asthma in patients with pulmonary tuberculosis on the southern coast of the Crimea. M. S. Binshtok, V. I. Goncharov. Vrach. delo no. 7:135-137 Jl '63.

CRIMEA—CAVE FAUNA

Studies of underground fauna in the Crimea carried out in the summer of 1960. A. IA. Birshtein. Nov. kar. i spel. no. 3:69-72 '63.

CRIMEA—CLOTHING INDUSTRY

What practice teaches us. A. Ushakov, V. Rakitskikh. Sov. potreb. koop. 7 no. 9:39-40 S '63.

CRIMEA—ECONOMIC GEOGRAPHY

Kirtilov, I. A. [Wonderful peninsula] Udivitel'nyi poluostrov. Simferopol', Krymizdat, 1963. 92 p.

CRIMEA—FRUIT CULTURE—RESEARCH

Fiftieth anniversary of the Crimean Fruit Culture Experiment Station. H. A. Berezovs'kyi. Visnyk sil'hosp. nauky 6 no. 9:68-76 S '63.

CRIMEA—MILITARY EDUCATION

Taking into account lessons of the past. L. Savel'ev. Voen. znan. 39 no. 9:35 S '63.

CRIMEA—NATIONAL PARKS AND RESERVES

A forest in autumn. S. Buryn. Ukraina no. 22:14 S '63.

CRIMEA—RADIOACTIVE FALLOUT

Radioactive fallout in the Crimea in 1960-1961. L. I. Beliaev and others. Atom. energ. 15 no. 3:264-265 S '63.

CRIMEA—SANDSTONE

Age and origin of tufaceous sandstones in the Lower Cretaceous of the Crimea. A. A. Shalla. Trudy MGRI 39:28-34 '63.

CRIMEA—SKIN—DISEASES

Registration and structure of skin diseases in the Crimea from 1956 to 1961. V. I. Demicheva. Vest. derm. i ven. 37 no. 2:65-70 F '63.

CRIMEA—TRANSPORTATION, AUTOMOTIVE

Unified dispatcher management of interprovince haulage. S. Aginskii. Avt. transp. 41 no. 5:12-13 My '63.

CRIMEA—TUBERCULOSIS

Treatment of bronchial asthma in patients with pulmonary tuberculosis on the southern coast of the Crimea. M. S. Binshtok, V. I. Goncharov. Vrach. delo no. 7:135-137 Jl '63.

CRIMEA—VITICULTURE—LABOR PRODUCTIVITY

Ways to increase labor productivity in viticulture. A. Cherniavs'kyi. Ekon. Rad. Ukr. no. 5:53-58 S-O '63.

CRIMEAN MOUNTAINS—MADREPORARIA

New species of Lower Valangian single Scleractinia in the Crimean Mountains. E. I. Kuz'micheva. Paleont. zhur. no. 3:18-26 '63.

CRIMEAN MOUNTAINS—TRUFFLES

Three species of hypogeous fungi from the foothills of the Crimea. B. P. Vasil'kov. Bot. mat. Otd. spor. rast. 16:109-112 '63.

CRIMEAN WAR, 1853-1856

Oppositionary action against the Russian Government in the Russian Army during the Crimean War, 1853-1856. V. Verzhbitskii. Voen.-ist. zhur. 5 no. 9:104-108 Ag '63.

CRIMINAL INVESTIGATION

(see also subdivision under Ukraine)

An equation with twenty unknown quantities. Arkadii Vaksberg. Znan.-sila 38 no. 7:36-39 Jl '63.

Correlation between the introduction of evidence and the pretrial investigation of criminal offenses. A. Kolesnichenko. Sots. zakon. 40 no. 8:51-55 Ag '63.

Investigation and pretrial examination of the original records of business transactions. P. I. Sedunov. Vest. Mosk. un. Ser. 10 Pravo 18 no. 3:36-44 My-Je '63.

Let us study and disseminate the progressive experience of the best prosecutors and investigators. V. I. Sots. zakon. 40 no. 9:64-65 Ag '63.

Public participation in the pretrial investigation of criminal offenses. S. P. Mitrichev. Sov. gos. i pravo no. 8:82-89 O '63.

Science in the fight against crime. V. Vlasov. Nov. kar. zhizn' 30 no. 5:102-105 My '63.

Some possibilities of medicolegal expertise in evidence adhered to the surface of weapons for stabbing, and cutting and weapons for stabbing. A. P. Zapol'skikh. Sud.-med. ekspert 6 no. 1:23-27 Ja-Mr '63.

Special methods of investigating the criminal offenses committed by minors. N. Gukovskii. Sots. zakon. 40 no. 8:66-68 Ag '63.

CRIMINAL JUSTICE, ADMINISTRATION OF

Assistance from the Soviet public in the decisive part of our efforts to ensure a strict observance of socialist laws. Sov. gos. i pravo no. 10:10-27 O '63.

Mishutin, A. N., ed. [Public prosecutor's supervision of the observance of Soviet laws in the trial of criminal cases] Prokurorskii nadzor za zakonnost'iu pri rassmotrenii v sudakh ugolovnykh del. [By] R. D. Rakhunov i dr. Moskva, Gosiurizdat, 1963. 321 p.

When a criminal is left at large. A. Orlov. Sots. zakon. 40 no. 8:42-45 Ag '63.

CRIMINAL LAW

(see also subdivision under Kazakhstan)

Discussing the textbook "Criminal law, special part." Sov. iust. no. 15:28-30 Ag '63.

Discussing the textbook "Soviet criminal law; general part." Sov. iust. no. 16:21 Ag '63.

A guaranty of the freedom of conscience. P. Kabalkin, I. Okunev. Nauka i rel. 5 no. 5:15-18 My '63.

CRIMINAL PROCEDURE

(see also subdivision under France; Kazakhstan, Moldavia; White Russia)

Kutseva, E. F. [A damage suit in criminal procedure] Grazhdanskii isk v ugolovnom protsesse, lektsii dlia studentov iuridicheskikh fakul'tetov. [Moskva] Izdvo Mosk. univ. 1963. 34 p.

Mykhelenko, M. M. [Lay prosecutors and lay defenders in Soviet criminal procedure] Hromads'ke obvynuvachennia i hromads'kyi zakhyst u radians'komu kryminal'nomu sudochynstvi. Kyiv, Vyd-vo AN URSR, 1963. 74 p.

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. [Program for the "Soviet criminal procedure" course in law schools] Programma po sovetskomu ugolovnomu protsessu, dlia iuridicheskikh vysshikh uchebnykh zavedenii. [Moskva] Rosvuzizdat, 1962. 17 p.

Prosecutors and prosecuting witnesses in Soviet criminal procedure. V. Finko. Rad. pravo no. 4:106-109 My-Je '63.

TSypkin, A. L. [Trial examination in Soviet criminal procedure] Sudebnoe razbiratel'stvo v sovetskom ugolovnom protsesse. [Saratov] Izd-vo Saratovskogo un-ta, 1962. 72 p.

(CSt-H)

CROTONYL ALCOHOL

Synthesis of β-nitrocrotonyl alcohol. G. Kh. Kamai and others. Trudy KKHTI no. 30:125-127 '62

CRUCIBLES

Distribution of impurities in crystals pulled out of a melt in crucibles connected by a capillary. V. N. Romanenko. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2:86-95 Mr-Ap '63.

CRUSHED STONE see Stone, Crushed

CRUSHED STONE INDUSTRY see subdivision under Ukraine

CRUSHING MACHINERY

In the Technical Council of the State Production Committee on Power Engineering and Electrification of the U.S.S.R. Energetik 11 no. 8:27-30 S '63.

Introduction of ball-less comminution in ordinary mills. N. P. Tabakopulo. TSvet. met. 36 no. 5:5-9 My '63.

Laboratory centrifugal mill. V. K. Luzanov. TSvet. met. 36 no. 5:76-77 My '63.

School of progressive practices on the autogenous crushing of ores. N. P. Tabakopulo. TSvet. met. 36 no. 9:93-94 S '63.

CRUSHING MACHINERY—DESIGN AND CONSTRUCTION

Oloyskii, V. A. [Crushing machinery in ore-dressing plants; manual on the design, calculation and operation of ball and rod mills] Razmol'noe oborudovanie obogatitel'nykh fabrik; spravochnoe posobie po konstruktsiiam, raschetu i ekspluatatsii sharovykh i sterzhnevykh mel'nits. Moskva, Gosgortekhizdat, 1963. 446 p.

CRUSHING MACHINERY—ELECTRIC DRIVING

Improving the design of the short-circuited rotor of the high-voltage electric motor of the hammer crusher. B. A. Gurevich. Koks i khim. no. 9 59 '62.

CRUSTACEA, FOSSIL see subdivision under Transbaikalia

CRYOSCOPY

Electric conductance and cryoscopy of hafnium sulfate solutions. I. V. Vinarov, N. P. Khromova. Zhur. neorg. khim 8 no. 10:2341-2345 O '63.

CRYSTAL LATTICES

Cellular structure of steel. IA. N. Malinochka. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no 4:100-104 Jl-Ag '63.

Characteristics of the thermal vibration spectrum. V. T. Borisov, E. F. Vintaikin, L. P. Potapov. Fiz. tver. tela 5 no. 9:2530-2537 S '63.

Fine crystal structure of nickel following a high-temperature thermomechanical treatment. V. D. Kriulov, M. G. Lozinskii, I. I. Nikitina. Izv. AN SSSR Otd. tekh. nauk Met. i gor. delo no 4:135-140 Jl-Ag '63.

Spectrum of spin waves. IAn Shi. Dokl. AN Arm. SSR 36 no. 3 163-167 '63.

CRYSTAL OPTICS

Interference pleochroism [with summary in English]. Josef Sekanina. Min. sbor. no 16:387-391 '62

Theory of dielectric permeability of crystals. V. M. Agranovich, IU. V. Konobeev. Fiz. tver. tela 5 no. 9:2544-2555 S '63.

CRYSTALLIZATION

Cocrystallization of argon crystal hydrate with silane and methane crystal hydrates. E. K. Gerling, T. V. Kol'tsova. Radiokhimiia 5 no. 3:277-283 '63.

Crystallization of magnetic garnets under hydrothermal conditions. P. V. Klevtsov. Izv. SO AN SSSR no. 7, Ser. khim. nauk no. 2 3-7 '63.

Crystallization of quartz in chalcedony geodes [with summary in English]. D. P. Grigor'ev, T. A. Karlakina. Min. sbor. no. 16:106-112 '62

Formation of anomalous mixed crystals of CaF_2 - CeF_3 and CaF_2 - YF_3 during the crystallization of calcium fluoride from a melt. K. G. Miakishev, V. R. Klokman. Radiokhimiia 5 no. 4:401-411 '63.

Heteromorphism and nonequilibrium states of mineral formation in the crystallization of basalt melts. G. A. Rashin. Izv. AN SSSR, Ser. geol. 28 no. 9:10-33 S '63.

Study of the behavior of Sr^{90} in melts by the method of isomorphic cocrystallization in the systems $PbCl_2$ - $SrCl_2$ - LiCl and $PbCl_2$ - $SrCl_2$ - NaCl. V. R. Klokman, N. S. Kolesnikova. Radiokhimiia 5 no. 3:284-290 '63.

CRYSTALLOGRAPHY

Basic law of crystallochemistry [with summary in English]. A. S. Povarennykh. Min. sbor. no. 16:57-67 '62.

Crystalline structure of rare earth metal compounds containing beryllium (RBe_{13}). E. I. Gladyshevskii, P. I. Kripiakevich, D. P. Frankevich. Kristallografiia 8 no. 5 788-789 S-O '63.

Crystalline structure of the compound α-$C_{10}H_7IHgI$. V. I. Pakhomov. Kristallografiia 8 no. 5 789-790 S-O '63.

Determining the cation distribution in the interstices from term splitting in compound oxides. A. N. Men', V. E. Naish. Fiz. tver. tela 5 no. 9:2477-2480 S '63

Plastic properties and crystal formation in glasses. E. K. Keler, E. I. Kozlovskaia. Dokl. AN SSSR 151 no. 6:1368-1370 Ag '63.

Fedorov meeting. E. F. Sidorenko, A. A. IAsinskaia. Min. sbor. no. 16:462-464 '62.

Fourth Conference on Crystallochemistry. M. M. Slivko. Min. sbor. no. 16:459-462 '62.

Genetic types of mineral habits. Ivan Kostov. Min. sbor. no. 16:75-80 '62.

Groups of similarity symmetry and antisymmetry. E. I. Galiarskii, A. M. Zamorzaev. Kristallografiia 8 no. 5 691-698 S-O '63

Turov, E. A. [Physical properties of magnetically ordered crystals; phenomenological theory of spin waves in ferromagnetics, antiferromagnetics, and weak ferromagnetics] Fizicheskie svoistva magnitouporiadochennykh kristallov, fenomenologicheskaia teoriia spinovykh voln v ferromagnetikakh, antiferromagnetikakh i slabykh ferromagnetikakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 223 p.

Production and analysis of complex compounds of the type $A_2B^{I}B^{II}O_6$. V. S. Filip'ev, M. F. Kupriianov, E. G. Fesenko. Kristallografiia 8 no. 5 780-781 S-O '63.

Symmetry and antisymmetry groups of layers. A. F. Palistrant. Kristallografiia 8 no. 5 783-785 S-O '63.

Systematics and external symmetry of crystal inclusions in a monocrystalline medium [with summary in English]. I. L. Shafranovskii, V. A. Mokievskii, G. I. Dement'eva. Min. sbor. no. 16:48-56 '62.

Unified system for indexing crystal elements as structures showing their diffraction and growth [with summary in English]. V. A. Frank-Kamenetskii. Min. sbor. no. 16:384-387 '62.

CRYSTALS

Saranchina, G. M. [Fedorov's method] Fedorovskii metod. 2, izd. [Leningrad] Izd-vo Leningr. univ., 1963. 152 p.

Formulas for determining the specific gravity of type A_2X_3 and AX_3 crystals [with summary in English]. O. S. Povarennykh. Dop. AN URSR no. 8 1099-1102 '63.

CRYSTALS—GALVANOMAGNETIC PROPERTIES

Measuring the resistance of single crystals in a pulsed magnetic field [with summary in English]. N. E. Alekseevskii, V. S. Egorov. Zhur. eksp. i teor. fiz. 45 no. 3:448-454 S '63.

CRYSTALS—GROWTH

Determining the radial temperature gradients on the crystallization front of blocks grown by Czochralsky's method. B. M. Turovskii. Kristallografiia 8 no. 5 778-782 S-O '63

Mechanism underlying the normal growth of crystals. V. T. Borisov. Dokl. AN SSSR 151 no. 6:1311-1314 Ag '63.

Production and some properties of whiskers and acicular single crystals of germanium, silicon and their solid solutions. A. V. Sandulova, P. S. Bogolavlenskii, M. I. Dronfuk. Fiz. tver. tela 5 no. 9:2580-2586 S '63

Regular intergrowth of vivianite and ludlamite from the Siarl TRG (Trepca) lead-zinc deposit. Twins of ludlamite [with summary in German]. L. Baric. Min. sbor. no. 16:391-395 '62

Zone crystallization of compounds of rare earth elements from some molten salts. V. K. Val'tsev, E. D. Oziashvili, L. K. Solov'ev. Izv. Sib. otd. AN SSSR no. 2:53-57 '62.

CRYSTALS—OPTICAL PROPERTIES

Electroluminescence of crystals. A. N. Georgobiani. Trudy Fiz. inst. 23:3-63 '63.

Excitons in thin crystals [with summary in English]. A. S. Davydov. Zhur. eksp. i teor. fiz. 45 no. 3:723-729 S '63.

CRYSTALS—THERMAL PROPERTIES

Anomalous behavior of the heat capacity of crystals with heavy impurity atoms. IU. Kagan, IA. Iosilevskii. Zhur. eksp. i teor. fiz. 15 no. 3:819-821 S '63.

CRYSTALS, ELECTRON STATE see Excitons

CTENOPHARYNGODON

Vsesoiuznoe soveshchanie po voprosam rybokhoziaistvennogo osvoeniia rastitel'noiadnykh ryb — belogo amura i tolstolobika — v vodoemakh SSSR. Ashkhabad, 1961. [Papers of the All-Union Conference on the Commercial Introduction of the Plantivorous Fishes Ctenopharyngodon Idella and Hypophthalmichthys Molitrix in the Bodies of Water of the U.S.S.R.] Materialy Vsesoiuznogo soveshchaniia po rybokhoziaistvennomu osvoeniiu rastitel'noiadnykh ryb — belogo amura (Ctenopharyngodon idella) i tolstolobika (Hypophthalmichthys molitrix) — v vodoemakh SSSR. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 224 p.
(DNAL)

CUBA—ARBITRATION AND AWARD

Arbitration commissions in revolutionary Cuba. O. Oltianu. Sov. iust. no. 15:26-27 Ag '63.

CUBA—COMMERCE—RUSSIA

Leningrad - Havana. A. Brodskii. Mor. flot 23 no. 10:6-7 O '63.

CUBA—DESCRIPTION AND TRAVEL

Leonov, I. D. [Hello, Cuba! Two weeks on the island of freedom] Zdravstvui, Kuba! Dve nedeli na ostrove svobody. [Leningrad] Lenizdat, 1963. 86 p.

CUBA—ECONOMIC CONDITIONS

Strength of the revolutionary idea. V. Mashkin. Mezhdunar. zhizn' 10 no. 9:107 S '63.

CUBA—FOREIGN RELATIONS—UNITED STATES

Remember Playa Girón! I. Nemira. Mezhdunar. zhizn' 10 no. 10:109-110 O '63.

A year after. Nov. vrem. 21 no. 12:1-2 O '63.

CUBA—HISTORICAL RESEARCH

Our meeting with Julio Le Riverend. A. M. Zorina. Vop. ist. 38 no. 9:134-135 S '63.

CUBA—HISTORY

Vartanov, G. A. [Revolutionary Cuba] Revoliutsionnaia Kuba. Leningrad, Ob-vo po rasprostraneniiu polit. i nauchn. znanii RSFSR, 1963. 71 p.

CUBA—INVASION, 1961

Cuba and international law. F. B. Schick. Mezhdunar. zhizn' 10 no. 9:85-94 S '63.

Remember Playa Girón! I. Nemira. Mezhdunar. zhizn' 10 no. 10:109-110 O '63.

CUBA—POLITICS AND GOVERNMENT

Strength of the revolutionary idea. V. Mashkin. Mezhdunar. zhizn' 10 no. 9:107 S '63.

CUBA—PRIESTS, AMERICAN

Whom does the "Pilot" glorify? Nauka i rel. 4 no. 5:42 My '63

CUBA—RECLAMATION OF LAND

Reclamation of swamps in Cuba. Torf. prom. 10 no. 4:36-37 '63.

CUBA—RELATIONS (GENERAL) WITH RUSSIA

Lines from the heart. V. Prokopenko. Smena 10 no. 14:14-15 Jl '63.

Our hearts remain with you! Luis Rolando Cabrera. Sov. pech. no. 7:55-57 Jl '63.

CUBA—TRANSPORTATION, AUTOMOTIVE

Visiting highway transport workers of heroic Cuba. B. Romanov. Avt. transp. 41 no. 5:3-5 My '63

CUCKOOS

Indian cuckoo (Cuculus M. Micropterus Gould), a nest parasite of the Amur shrike (Lanius cristatus confusus Stegm.). I. A. Neifel'dt. Dokl. AN SSSR 151 no. 6:1416-1419 Ag '63.

CULTIVATED PLANTS see Plants, Cultivated

CULTIVATORS

Effectiveness of spiked disks in the tillage of corn fields. I. P. Zhukov. Mekh. sil'. hosp. 14 no. 4:8 Ap '63.

The KVP-6,3 cultivator for tall crops. F. M. Dedistov. Trakt. i sel'khozmash. 33 no. 4:36-37 Ap '63.

Manufacturing spiked disks of the rotary hoes of a cultivator from high-strength cast iron. S. S. Zatulovskii, E. S. Kiylov. Trakt. i sel'khozmash. 33 no. 9:11-12 S '63.

Rotary cultivators used abroad. IU. A. Kuznetsov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:31-34 '63.

Self-sharpening plowshares and cultivator sweeps. A. Sh. Rabinovich, V. N. Vinokurov. Zemledelie 25 no. 8:90-92 Ag '63.

CULVERTS

Practical design of minor water-conducting installations taking accumulation in consideration. L. G. Kushnir. Avt. dor. 26 no. 9:25 S '63.

CUMMINGTONITE

Manganese amphiboles of the cummingtonite row [with summary in English]. O. I. Matkovskii. Min. sbor. no. 16:130-153 '62.

CUNEIFORM INSCRIPTIONS

Interpretation of geometric constants from the Susa cuneiform list No. 1. A. A. Vaiman. Vest. drev. ist. no. 1:75-80 '63.

CUPFERRON

Determination of some rare-earth elements by radiometric titration with cupferron. D. M. Mal'tianov, V. V. Serebrennikov. Radiokhimiia 5 no. 3:347-350 '63.

CUPOLA FURNACES—STANDARDS

Standard series for cupola furnaces. M. M. Brilakh, V. M. Gorfinkel'. Standartizatsiia 27 no. 9:19-21 S '63.

CURIUM

Energy distribution of spontaneous fission fragments of Cm^{244}. L. Z. Malkin and others. Atom. energ. 15 no. 3:249-250 S '63.

CURIUM ISOTOPES—DECAY

δ-Decay of Cm^{245} and Cm^{246}. L. M. Belov and others. Radiokhimiia 5 no. 3:391-395 '63.

CURVES

Analysis of experimental methodology for obtaining Mohr limiting envelope curves. M. F. Kuntysh. Nauch. soob. IGD 20 55-67 '63.

CURVES, PLANE

From the history of the problem of cusps of a plane curve. V. I. Lysenko. Ist.-mat. issl. no. 14:517-526 '61.

CUSHING SYNDROME

Role of a nurse in the examination and care of patients with Itsenko-Cushing's disease. G. I. Kozlova, E. G. Baranova, L. S. Zasorina. Med. sestra 22 no. 9:46-49 S '63.

CUTOVER LANDS

Theoretical problems in the mechanization of soil cultivation in cutovers. E. I. Vlasov. Les. khoz. 16 no. 8:54-56 Ag '63.

CUTTING MACHINES

Automatic abrasive metal cutting. M. A. Kechek, B. M. Bridun, K. L. Eroshenko. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:41-44 '63.

Machine for cutting out round billets. D. S. Sulimov. Za indus. Rinz. no. 2:57 D '61.

CYANOCOBALAMINE

Effect of Co^{60} recoil after (γ, n)-reaction in complex compounds of cobalt. Co(III) triglycinate and vitamin B_{12}. An. N. Nesmeianov, V. Mudrova-IAblonitska. Radiokhimiia 5 no. 4:516-519 '63.

Effect of vitamin B_{12} on the content of nucleic acids in the hematopoietic organs of irradiated animals [with summary in English]. Z. I. Sheremet, L. I. Kazanova. Med. rad. no 1:46-54 '63.

CYANOCOBALAMINE (Continued)

Effect of vitamin B_{12} on the regeneration of bone tissue (in surgical elongation of a human extremity) V D Dedova, I.I Gerasimova, Ortop. travm. i protez, 1963, 41-42 '63.

Influence of vitamin B_{12} on fibrinolysis in atherosclerosis, M G Sarkisov and Terap. arkh. 35 no.2 58-60 F '63.

Use of vitamin-molasses distillery slop for the production of vitamin B_{12}. G V Nikitin Spirt. prom. 29 no. 1, 21-24 '63.

Use of vitamins B_1 and B_{12} on patients with atherosclerosis under polyclinical conditions. V I Lopushinskii Vrach. delo no 7 149-150 Jl '63.

CYANOGEN—SPECTRA

Determining the matrix element of the dipole moment of the electron transition in the violet band system of cyanogen Part I E M. Kirillova-Eisner and others. Teplofiz. vys. t. no. 1 no 1 73-84 Jl-Ag '63.

CYANOSIS

Results of intrapleural talcum introduction in cyanotic congenital heart defects [With summar. in English] Kh A Tamirbekov. Vrach. delo no 9 51-56 S '63.

CYBERNETICS

(see also subdivision under United States)

Cybernetics, V Fotiev. Sov. knizn torg 15 no 8 34-35 Ag '63

"Foreman" gets wiser before our eyes. L Sharol', Prom.-stroi. 38 no 3:24-27 Mr '63

Gnosiological evaluation of cybernetic models [With summary in English, p. 185] I. B. Novik. Vop. filos. 17 no. 8 93-103 '63

Man and machine P Kapnin Nauka i zhyttia 13 no 7 6-9 Jl '63

Akhlibininskii, B V., and N. I. Khvalenko [A marvel of our times] Chudo nashego vremeni, (Kibernetika i problemy razvitiia [Leningrad] Lenizdat, 1963 137 p

Physicist and lyric poets at a round table A. Khodorov. Znan.-sila 38 no 3 13-14 Mr '63.

CYCLOHEXADIENE

Nuclear magnetic resonance spectra and structure of oligomers of 1, 3-cyclohexadiene, A S Khachaturov and others. Dokl. AN BSSR 7 no. 7 459-463 Jl '63.

CYCLOHEXANE

Hill placement of hexachlorocyclohexane in soils. A. M. Iskhakov. Zashch. rast. ot vred. i bol. 8 no. 4:19-20 Ap '63.

Questions and answers. Zashch. rast. ot vred. i bol. 8 no. 4:36 Ap '63.

Reactions of tritium recoil atoms in mixtures of cyclopentane with cyclohexane. E. N. Avdonina, An. N. Nesmeianov. Radiokhimiia 5 no. 4 514 '63.

CYCLOHEXANOL

Kinetics of the initiated liquid-phase oxidation of cyclohexanol. B V Erofeev, K. A Zhumerka. Vestsi AN BSSR. Ser fiz -tekh nav no 3 41-58 '63

Polymeric materials based on the condensation products of alicyclic ketones with aldehydes. Synthesis and study of polyesters based on 2, 2, 6, 6-tetra-(hydroxymethyl)-cyclohexanol and 2, 2, 5, 5-tetra-(hydroxymethyl)-cyclopentanone. I. V. Kamenskii and others. Plast. massy no. 6:18-20 '63.

Synthesis of 1-methyl-2-phenylcyclohexanol. N G. Sidorova, Iu. B. Grebenshchikov. Uzb. khim. zhur. 7 no. 4 79 '63.

CYCLONES

(see also subdivision under Pacific Ocean)

Changes of jet streams in connection with the development of cyclones on February 13-17, 1962. M. A. Sorochinskii. Meteor. i gidrol. no 9 24-31 S '63.

CYCLOPENTANE

Reactions of tritium recoil atoms in mixtures of cyclopentane with cyclohexane. E. N. Avdonina, An. N. Nesmeianov. Radiokhimiia 5 no. 4,514 '63.

CYCLOPENTANONE

Polymeric materials based on the condensation products of alicyclic ketones with aldehydes. Synthesis and study of polyesters based on 2, 2, 6, 6-tetra-(hydroxymethyl)-cyclohexanol and 2, 2, 5, 5-tetra-(hydroxymethyl)-cyclopentanone. I. V. Kamenskii and others. Plast. massy no. 6:18-20 '63.

CYCLOTRON

Effect of a space charge on the frequency of free oscillations of particles in an isochronous cyclotron. A. A. Glazov and others. Atom. energ. 15 no. 3:205-209 S '63.

Possibility of producing multiply charged ions in a cyclotron by proton impact. I. S. Dmitriev. Izv. AN SSSR. Ser. fiz. 27 no. 8,1081-1082 Ag '63.

CYLINDERS

Shift of a cylinder having a multiply connected lateral cross section. V. I. Makhovykov. Prykl. mekh. 9 no. 5;544-551 '63.

CYLINDERS—TESTING

Elastic properties and stressed state of anisotropic nonuniform cylinders. M. M. Plotnikov. Izv. vys. ucheb. zav., mashinostr. no. 8 18-28 '63.

CYLINDERS—THERMAL PROPERTIES

Similitude of temperature fields in an infinitely long cylinder in case of a steady-state entrainement of materials from its foundation. V. IA. Borovol. Inzh. zhur. 3 no. 1 113-144 '63.

CYSTS

Cysts of the corpus luteum. V. N Scrov. Akush. i gin. no 2 125-127 '63.

Pathogenesis of cystic lymphadenopathy in rats caused by Rous sarcoma virus. Report No. 1. V S. Snaĭdro, T. D. Morgunova Vop. virus. 8 no 3 346-348 My-Je '63.

A suppurative cyst of the mesentery proper with meteorism, M V. Rogozkina Vest. rentg. i rad. 38 no. 1 71-72 Ja-F '63

CYTOGENETICS

Cytogenesis of tumors E. E. Pogosiants. Zhur. VKHO 8 no 4:448-458 '63.

CYTOLOGIC DIAGNOSIS see Diagnosis, Cytologic

CYTOLOGY

Correlation of the nucleus and cytoplasm and the problem of cellular differentiation. A. A. Neifakh. Zhur. VKHO 8 no. 4 403-412 '63.

Meisel', M N., ed [Functional morphology of the cell. Translations] Funktsional'naia morfologiia kletki, sbornik statei. Moskva, Izd-vo inostr. lit-ry, 1963. 421 p. [Preface by M N. Meisel']

Studies on the fine structure of cells and tissues. I Sh. Vaisman Usp sovr biol 56 no 1 20-43 Jl-Ag '63.

CYTOTOXIC DRUGS

Action of some antitumor antibiotics on the synthesis of nucleic acids in the cells of staphylococci [with summary in English], A. V. Laĭko. Antibiotiki 7 no. 7:601-605 Jl '62

Action of the antibiotic, crucin, on cultures of cells of human malignant tumors in vitro (on the method for determining the antiblastomogenic activity of crucin) [with summary in English]. M. I. Leikina. Antibiotiki 7 no. 7:582-587 Jl '62.

Combined use of aurantin with other therapeutic methods for patients with malignant neoplasms [with summary in English]. L. M. Nisnevich, *S. S. Akopiants. Antibiotiki* 7 no. 7:623-626 Jl '62.

Effect of novocaine on the antitumor activity of actinovanthine and aurantin. Preliminary report. E. A. Romanenko, V. G. Mazaeva. Antibiotiki 7 no. 7,612-617 Jl '62.

Effect of some high-molecular polypeptides on cultures of human tumor cells [with summary in English]. S. M. Navashin, I. P. Fomina. Antibiotiki 7 no. 7 594-597 Jl '62.

Effect of the antitumor antibiotic, aurantin, on adrenal cortex function [with summary in English]. N. A. Ozeretskovskii, O. Sh. Dzheksenbaev. Antibiotiki 7 no. 7 627-630 Jl '62.

Experimental study of the antitumor action of some substances of natural origin [with summary in English]. Z. V Ermol'eva and others. Antibiotiki 7 no. 7:571-581 Jl '62.

Isolation and properties of the new antibiotic, 323/58, with an antitumor action. E. S. Kruglak and others. Antibiotiki 7 no. 7,588-593 Jl '62.

Method for cultivating tumor cells in vitro and its use for the primary selection of new antitumor antibiotics [with summary in English]. E. G. Toropova. Antibiotiki 7 no. 7:598-601 Jl '62.

Method for the primary selection of antitumor antibiotics [with summary in English]. V. A. Talyzina. Antibiotiki 7 no. 7 606-611 Jl '62.

Some antitumor substances secreted by micro-organisms [with summary in English]. H. Umezawa. Antibiotiki 7 no. 7:559-571 Jl '62.

CZECHOSLOVAKIA—BALLAST (RAILROADS)—MAINTENANCE AND REPAIR

Use of polychlorovinyl for the protection of the roadbed. Put' i put. khoz. 7 no. 7:46-47 '63.

CZECHOSLOVAKIA—CAUSTOBIOLITHS

Concentration of admixture elements in hard caustobioliths of the coal row in some areas of Czechoslovakia. Vladimir Bouška, Josef Honek. Min. sbor. no. 16;334-342 '62.

CZECHOSLOVAKIA—CHEMICAL INDUSTRIES

The second raw material base. V. Demidov. Mezhdunar. zhizn' 10 no. 8,109-110 S '63.

CZECHOSLOVAKIA—FOREIGN RELATIONS—POLAND

The "great" and "petty" policy of Józef Beck. V. S. Parsadanova. Vop. ist. 38 no. 9:151-153 S '63.

CZECHOSLOVAKIA—INTERNATIONALISM

International traditions of Czechoslovak communist newspapers M D Semenchuk. Ukr. ist. zhur 7 no. 4:60-64 Jl-Ag '63.

CZECHOSLOVAKIA—JOURNALISTS

People bringing the news. N Potapov. Sov. prof. no. 8 51-58 Ag '63.

CZECHOSLOVAKIA—LATHES

The ANK 6/160 semiautomatic chuck lathe and the B 8 RC turret lathes. D Josef. Stan. i nast. 11 no. 7 36 Ag '63.

CZECHOSLOVAKIA—NONWOVEN FABRICS

"Ayache" nonwoven fabrics and their improvement Z. Rada. Tekst. prom. 23 no. 9 33-36 S '63

Concerning the book "Nonwoven textile materials" by Dr R. Krchma and others. O. Pikovskii. Tekst. prom. 23 no. 9:61 S '63.

CZECHOSLOVAKIA—PESTICIDES

Pesticide aerosols in Czechoslovakia. V. Kouba. Zashch. rast. ot vred. i bol. 8 no. 8:51-53 Ag '63.

CZECHOSLOVAKIA—PLASTIC FILMS

Manufacture of films from polymer materials. Plastification method in the Czechoslovak Socialist Republic L. P. Zakrzhevskii. Plast. massy no. 10 68 '63.

CZECHOSLOVAKIA—PLASTICS INDUSTRY—EQUIPMENT AND SUPPLIES

New automatic devices for the manufacture of tubular articles from plastic materials in Czechoslovakia, L. P. Zakrzhevskii. Plast. massy no. 6:70-72 '63.

CZECHOSLOVAKIA—PUMPING MACHINERY

Design of centrifugal pumps. S. A. Filippovich. Energomashinostroenie 9 no. 8 39-42 S '63.

CZECHOSLOVAKIA—RELATIONS (GENERAL) WITH THE UKRAINE

Haidai, M. M. [Czechoslovak-Ukrainian ties in contemporary folklore studies, 1918-1960] Chekhoslovatsko-ukrains'ki vzaiemozv'iazky v suchasnii folklornii nauci (1918-1960) Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 86 p.

CZECHOSLOVAKIA—*RUBBER INDUSTRY*

Czechoslovak rubber. Frantisek Koneeny. Nauka i zhizn' 30 no. 5:16-17 My '63.

CZECHOSLOVAKIA—THEATER

Gershkovich, A. A. [Theater of our friends] Teatr nashikh druzei. Moskva, Izd-vo "Znanie," 1963 47 p. (Novoe v zhizni, nauke, tekhnike VI Seriia: Literatura i iskusstvo, no. 18)

CZECHOSLOVAKIA—TRADE UNIONS—CONGRESSES

The Fifth Congress of the Trade Unions of Czechoslovakia Oleg Valentinov. Vnesh. prof. dvizh. no. 7/8 19-21 Jl Ag '63.

CZECHOSLOVAKIA—UKRAINIAN STUDIES

Present-day Czechoslovak historical studies on Ukrainian history and *Ukrainian contacts with Czechoslovakia*. V Hostińka. Ukr. ist. zhur 7 no 4 135-145 Jl Ag '63.

CZECHOSLOVAKIA—*WOODWORKING INDUSTRIES*

Development of the woodworking industry in Czechoslovakia. I. Pavlovich. Der. prom. 12 no. 8:29-30 S '63

DDT (INSECTICIDE)

Simple method for dilution calculations. P. V. Popov. Zashch. rast. ot vred. i bol. 8 no. 1:37-38 Ap '63.

Using beauveri in with DDT for controlling the Colorado beetle. N. A. Talenga and others. Zashch. rast. ot vred. i bol. 8 no. 4:48-49 Ap '63.

DACRON

Electron microscope study of the structure of capron and lavsan fibers treated with phosphotungstic acid. F. N. Belavtseva, K. Z. Gumargaliyeva, A. I. Kitaigorodskii. Dokl. AN SSSR 151 no. 6:1360-1367 Ag '63.

Production of grafted copolymers. Graft copolymers of polyethylene terephthalate (lavsan) with styrene. V. V. Korshak, K. K. Mozgova, S. P. Krukovskii. Plast. massy no. 8:9-11 '63.

DAGHESTAN—COMMUNIST PARTY OF THE SOVIET UNION

Daghestan party organization during the first years of the Great Patriotic War. Sh. M. Munchaev. Vest. Mosk. un. Ser. 9:ist. 18 no. 2:20-30 Mr-Ap '63.

DAGHESTAN—COOPERATIVE SOCIETIES

Love of occupation. A. Vasil'ev. Sov. potreb. koop. 7 no. 7:16-17 Jl '63.

DAGHESTAN—MILITARY EDUCATION

In a Daghestan aul. Voen. znan. 39 no. 6:2 of cover S '63.

DAGHESTAN POETRY—*HISTORY AND CRITICISM*

Without allowances. M. Chudakova. Vop. lit. 7 no. 8: 232-233 Ag '63.

DAHOMEY—SOCIAL CONDITIONS

Africa's "Latin Quarter" [with English summary in insert]. G. Abramov. Az. i Afr. segi. no. 6:34-38 S '63.

DAIRY CATTLE—FEEDING AND FEEDS see subdivision under Belaya Tserkov' District

DAIRY INDUSTRY
[Akovlev, K. K., and G. S. Lazarovich. [Analyzing the economic activities of meat and dairy industry enterprises] Analiz khozialstvennoi deiatel'nosti predpriiatii miasnoi i molochnoi promyshlennosti. Moskva, Pishchepromizdat, 1963. 173 p.

New trends in planning enterprises in the dairy industry. A. G. Ivankov, G. L. Opochinskii. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:51-54 '63.

DAIRYING
(see also subdivision under Azerbaijan)
[Advanced work practices on cattle farms] Peredovi metody roboty na fermakh velykoi rohatoi khudoby. 2, vypravlene i dop. vyd. Za red. I. A. Danylenka. Kyiv, Derzhsil'hospvydav URSR, 1963. 203 p. (Posibnyky dlia shkil peredovoho dosvidu)
(DNAL)

An average yield of 4,040 kilograms of milk with a 4.06 per cent butterfat content of the herd. P. E. Fomina. Zhivotnovodstvo 24 no. 5:55-60 My '63.

Planning milk yields on large farms [with summary in English]. D. D. Martiugin. Izv. TSKHA no. 2:119-130 '63.

DAIRYING—ACCOUNTING see subdivision under Tomsk Province

DAIRYING—EQUIPMENT AND SUPPLIES
(see also subdivision under Ukraine; Voronezh Province)

All-Union contest for working out a better design of the carrousel-type circular conveyor arrangement for milking parlors. Tekh. v sel'khoz. 23 no. 3:23-24 Mr '63.

DAMPING (MECHANICS)
Control of noise and vibrations in the machinery industry. Mashinostroitel' no. 8:30 Ag '63.

Damping the noise of gear transmissions. V. IA. Popov. Mashinostroitel' no. 8:37-38 Ag '63.

Damping noise and vibrations by balancing rotating parts. V. I. Krishchik. Mashinostroitel' no. 8:34 Ag '63.

Effect of the gap and viscosity on damping properties of a liquid damper. A. F. Burdenko. Izv. vys. uchob. zav.; mashinostr. no. 6:67-70 '63.

Labor legislation on noise control. A. A. Arkad'evskii. Mashinostroitel' no. 8:45 Ag '63.

Methods for controlling noise in production processes. L. K. Razumov. Mashinostroitel' no. 8:30-32 Ag '63.

Practice in controlling industrial noise and vibrations. L. S. Isavnin, S. D. Kovrigin. Mashinostroitel' no. 8: 22-24 Ag '63.

DAMPNESS IN BUILDINGS
Formation of sulfate efflorescene on loess products under the effect of dampness. K. Sh. Shatemirov. Izv. AN Kir. SSR, Ser. est. i tekh. nauk 5 no. 4 79-84 '63

DAMS
Deposition of dams under the protection of temporary longitudinal structures. V. Degtiarev, M. Miasnikov. Rech. transp. 22 no. 8:40-41 Ag '63.

Hydraulic fill of narrow profile dams and small dikes in agricultural construction. B. M. Shkundin. Mekh. stroi. 20 no. 10:28-29 O '63.

DAMSELFISH
Damselfish and actinia. I. Akimushkin. Nauka i zhizn' 30 no. 9:89 S '63.

DANALITE see subdivision under Siberia

DANILEVSKII, VIKTOR VASIL'EVICH, 1898-1960
Khrienov, K. K., and P. I. Ilnyp. Viktor Vasyl'ovych Danylevs'kyi. Kyiv, Vyd-vo Akad. nauk Ukrainskoi RSR, 1963. 42 p. (Vcheni Ukrains'koi RSR)

DANKOV—DOLOMITES
Firing Dankov dolomites in rotary kilns. P. S. Potemkin and others. Ogneupory 28 no. 9:389-392 '63.

DAVIS SEA—ACTINOMETRY
Absorption of solar radiation in the free atmosphere over the Davis Sea and the Antarctic slope. V. F. Belov. Trudy TSAO no. 45:82-89 '62.

DAY NURSERIES
(see also subdivision under Kaliningrad)
Work with children who just entered a day nursery. M. Novyts'ka. Doshk. vykh. 24 no. 8:21-22 Ag '63.

DAZHIN, DMITRII
Bright campfire. V. Kharliuzov. Sov. voin 45 no. 17:19 S '63.

DEATH—BIBLICAL TEACHING
Death and resurrection. M. Kublanov. Nauka i rel. 4 no. 5:18-24 My '63.

DEATH—CAUSES
Degree of accuracy in medical registration of the cause of death. V. A. Bystrova, V. P. Rusakova. Zdrav. Ros. Feder. 7 no. 9:33-37 S '63.

DEBUSSY, CLAUDE, 1862-1918
Rozenshil'd, K. K. [The young Debussy and his contemporaries] Molodoi Debiussi i ego sovremenniki. Moskva, Muzgiz, 1963. 134 p.

DECATHLON
Basic factors of training for the decathlon. V. M. Zatsiorskii, M. A. Godik. Teor. i prak. fiz. kul't. 26 no. 8:27-30 Ag '63.

DECCAN PLATEAU—DESCRIPTION AND TRAVEL
Krasheninnikov, V. L. [Through the Deccan; Indian impressions] Po Dekanu; indeiskie vpechatleniia. Moskva, Geografizdat, 1963. 203 p. (Puteshestviia, prikliuchenila, fantastika)

DECEMBRISTS
Decembrists D. Iskritskii's and V. Vol'khovskii's letters on the Caucasus. M. G. Nersisian. Ist.-filol. zhur. no. 2:217-235 '63.

DECONTAMINATION (FROM GASES, CHEMICALS, ETC.)
Special treatment in the battery. M. Utkin. Voen. vest. 43 no. 9 69-70 S '63.

DECORATIONS OF HONOR
A decoration of honor for rewarding the brave defenders of our country; the 45th anniversary of the establishment of the Order of the Red Banner. V. V. Dushen'kin. Vop. ist. 38 no. 9:197-202 S '63.

First recipient of the Order of the Red Banner. V. Dushen'kin. Nauka i zhizn' 30 no. 9:16-18 S '63.

DEDINOVO REGION—PASTURES AND MEADOWS
Increasing the endurance of leguminous plants in the grass stands of natural flooded meadows [with summary in English] N. P. Krylova. Biul. MOIP. Otd. biol. 68 no. 4 72-83 Jl-Ag '63.

DEEP-SEA TEMPERATURE
Method for calculating reduction corrections of the deep-water thermometer readings. R. V. Plaskovskii. Meteor. i gidrol. no. 9:50-51 S '63.

DEEP-SEA TEMPERATURE—CHARTS, DIAGRAMS, ETC.
Charts of instrumental corrections for primary processing of the readings of deep-water thermometers. S. S. Lappo. Meteor. i gidrol. no. 9:49-50 S '63

DEER, FOSSIL see subdivision under Caucasus, Northern

DEFENSE (CRIMINAL PROCEDURE)
A defense lawyer should be present when a minor is charged with a criminal offense and he should be allowed to see the accused. Vest. Mosk. un. Ser. 10: Pravo 18 no. 3:45-51 Jl-S '63.

We should strictly observe the accused's right to have a defense counsel. G. Vorob'ev. Sov. iust. no. 17:5-6 S '63.

DEFENSES see subdivision under South Africa, Republic of

DEFICIENCY DISEASES IN DOMESTIC ANIMALS see subdivision under Georgia

DEFORMATIONS (MECHANICS)
Boundaries of a plastic deformation focus caused by extrusion. L. G. Stepanskii. Vest. mashinostr. 43 no. 9:59-62 S '63.

Brittle fracture of bodies pasted together. R. L. Salganik. Prikl. mat. i mekh. 27 no. 5:957-962 S-O '63.

Characteristics of the kinetics of plastic deformation in commercial-grade iron at temperatures from 20 to 1000°. T. A. Alekseeva, M. G. Lozinskii. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no. 2:116-123 Mr-Ap '63.

Consecutive patterns of the strained state in under impact. I. M. Pavlov, V. G. Osipov. Iz SSSR, Otd. tekh. nauk, Met. i gor. delo no. 2:11 Mr-Ap '63.

Deformation of a circular ring under the concentrated twisting pairs. B. A. Ber ver. Inzh. zhur. 3 no. 1:179-182 '63.

Deformations of rocks and pipelines ove mine workings. D. N. Alekseandrov. T 73 '63.

Deformations of tools caused by yielding thin plastic layers. L. A. Kliko. Inzh. 115-125 '63.

ΔI_s -effect in plastic deformations of fer I. IA. Dekhtiar, D. A. Levina. Fiz. tver. 2719-2722 S '63.

Effect of temperature and the rate of ter kinetics and mechanism of deformatio alloys with 30% Fe. M. G. Lozinskii, I Metalloved. i term. obr. met. no. 9:37-

Effect of tensile stress on martensite fc alloy steel. Metalloved. i term. obr. m O '63.

Effect of the duration of heating on the de erties of polymer films [with summary P. I. Zubov, Z. P. Grozinskaia, A. T. San zhur. 25 no. 5:533-536 S-O '63.

Estimating the protective properties of varnish coverings against the deformation of wood. IU. M. Ivanov. Der. prom. 12 no. 9 3-5 S '63.

Formula for converting the amount of deformation in specimen compression to the amount of deformation in strip rolling. D. I. Sutarov, M. I. Strotin. Trudy Inst. met. UFAN SSSR no. 9:13-16 '62.

Kinetic correspondence between transformations and deformations in the formation of superplasticity. A. A. Presnikov, G. V. Starikova. Izv. AN SSSR. Otd. tekh. nauk, Met. i gor. delo no. 1:127-129 Jl-Ag '63.

Oblique flexure by force of a sectional prismatic beam. R. S. Minas'ian. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 2:113-123 '63.

Recovery of internal friction following plastic deformation in LiF single crystals. A. A. Blistanov, A. V. Panov, M. P. Shaskol'skaia. Fiz. tver. tela 5 no. 9, 2726-2728 S '63.

Study of the deformations in the framework of industrial buildings under the effect of temperature. V. I. Kirsanov, B. L. Tarasov. Shor. trud. NII po stroi. AS i A [Sverd.] no. 8:90-99 '63

Use of the variational method in analyzing the stability of a compressed rod. V. I. Feddos'ev. Prikl. mat. i mekh. 27 no. 5:833-841 S-O '63.

DEFORMITIES
Role of experimentally induced anomalies of development in an explanation of the etiology of congenital human deformities. P. K. Duraisvami, M. Ch. Ort. Eksper. khir. i anest. no. 1:44-49 '64.

DEGTIAREV MACHINE GUN
Russia (1923- U.S.S.R.) Ministerstvo oborony. [Manual on musketry; 7.62-mm Degtiarev light machine gun] Nastavlenie po strelkovomu delu, 7, 62-mm ruchnoi pulemet Degtiareva (RPD). Izd. 2., ispr. i dop. Moskva, Voenizdat, 1961. 152 p.

DEHYDRATION (CHEMISTRY)
Optimizing the process of butane dehydration in a fluidized bed. A. A. Abdullaev and others. Mekh. i avtom. proizv. 17 no. 8:6-7 Ag '63.

DEHYDROGENATION
Selectivity of dehydrogenation catalysts [with summary in English]. V. K. Skarchenko. Dop. AN URSR no. 8: 1058-1060 '63.

DELACROIX, EUGENE, 1798-1863
Heroic and human art. M. Alpatov. Kul't. i zhizn' 7 no. 8,42-43 '63.

DELHI BOIL
Diffuse infiltrating form of cutaneous leishmaniasis affecting man [with summary in English]. K. M. Guseinzade. Vest. derm. i ven. 37 no. 2:44-45 F '63.

DELIVERY OF GOODS
(see also subdivision under Kharkov)

Is such mediation necessary? M. Khasanov. Sov. potreb. koop. 7 no. 7 23-25 Jl '63.

Legal regulation of cooperative deliveries. L. A. Zenin. Vest. Mosk. un. Ser. 10 Pravo 18 no. 3 24-35 Jl-S '63.

DELIVERY OF GOODS—AUDITING AND INSPECTION
Bank control over the delivery of goods by trade organizations. L. Blinchevskii. Den. i kred. 21 no. 9:31-35 S '63.

DELIVERY OF GOODS (LAW)
Decisions of arbitration agencies. Rad. pravo no. 3:134-135 My-Je '63.

DE[illegible]ER, ALFRED, 1913-
[illegible]

DE[illegible]MAPE—WATER—SOFTENING
"[illegible]

DEOXYRIBONUCLEASES
[illegible]

DEPOLARIZATION (ELECTRICITY)
[illegible]

DERMATOLOGY
[illegible]

Review of the collection of scientific papers "Present problems of dermatology and venerology." A. P. Dolgova. Vest. derm. i ven. 37 no. 1:85-86 Ja '63

DERMATOLOGY—CONGRESSES
"Transactions of the Fifth All-Union Congress of Dermatovenerologists" in Arkhangel'sk. Vest. derm. i ven. no. 1:84 Ja '63

DERMATOMYCOSIS
[illegible]

Treatment of scalp with 4% epilin [preparation] (In English). L. I. Fandeev, E. T. [illegible]. Vest. dermat. i ven. 37 no. 2:78-80 F '63.

DESERT FLORA
(see also subdivision under Turkmenistan)
[illegible]

DESERT WARFARE
[illegible]

DESERTS see subdivision under Aral Sea region

DESIGN, INDUSTRIAL see subdivision under Poland

DESNA VALLEY—AGRICULTURE
[illegible]

DESORPTION
Static conditions of the adsorption and desorption of nitrogen dioxide - nitrogen tetroxide. Z. B. Krasnyi. Trudy KKHTI no. 30:213-222 '62

Study of adsorption and desorption of nitrogen dioxide - nitrogen tetroxide on technical silica gels ASM and No. 6. E. B. Krasnyi, L. I. Kuznetsov-Fetisov. Trudy KKHTI no. 30:223-239 '62

DESULFURATION
Desulfuration of ball-bearing steel in a vacuum induction furnace. B. V. Linchevskii. Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 2:26-32 Mr-Ap '63.

Effect of the deoxidation of steel by aluminum on the process of its desulfuration. S. E. Volkov, A. M. Samarin. Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 2:22-27 Mr-Ap '63.

DEUTERIUM OXIDE
Solubility of hydrocarbons in heavy water. A. N. Guseva, E. I. Parnov. Radiokhimiia 5 no. 4:507-509 '63.

DEUTERONS
Theory of photodisintegration of light nuclei with emission of fast deuterons [with summary in English]. V. V. Balashov, V. N. Fetisov. Zhur. eksp. i teor. fiz. 45 no. 3:532-540 S '63.

DEVOTIONAL CALENDARS—ORTHODOX EASTERN CHURCH
The "Orthodox Church Calendar" as seen by an atheist. Nauka i rel. 4 no. 5:85-86 My '63

DEXTRAN
Effect of polyglucin on the survival of animals following [illegible]. Pat. fiziol. i eksp. terap. 7 no. 1:78 Ja-F '63

DIABETES
Characteristics of caring for patients with diabetes mellitus. T. T. Rulieva. Med. sestra 22 no. 9:49-51 S '63.

Choreal syndrome combined with polyneuritis in diabetes mellitus. I. IA. Dymshits. Vrach. delo no. 7:141-143 Jl '63.

Genes, S. G. [Diabetes mellitus] Sakharnyi diabet. Izd. 5., perer. i dop. Moskva, Medgiz, 1963. 377 p. (DNLM)

Insulin and its use in diabetes. S. V. Zakharov. Med. sestra 22 no. 1:28-31 S '63.

Successes in modern therapy of diabetes mellitus. N. R. Pinelis. Med. sestra 22 no. 9:25-28 S '63

Troell-Jurca syndrome. V. P. Kalinin, M. I. Balabolkin. Vrach. delo no. 9:145-147 S '63

DIAGNOSIS, CYTOLOGIC
Contribution to data on cytological and histological studies of tumors and tumor-like formations of the lymphatic nodes. G. V. Arzumanian, Sh. A. Papazian. Zhur. eksp. i klin. med. 3 no. 1:25-36 '63

DIAGNOSIS, DIFFERENTIAL
Diagnosis and differential diagnosis of influenza in children [with summary in English]. M. F. Sukhareva, N. M. [illegible]. Pediatriia 42 no. 1:32-37 Ja '63.

Differential diagnosis of tumors of the urinary bladder [with summary in English]. V. M. Perel'man. Vest. rentgen. i rad. 38 no. 1:40-43 Ja-F '63

DIAGNOSIS, RADIOSCOPIC
"Technique of X-ray diagnosis." Kh. Poppe, Ph. Lauweis, I. Loh-texter. Reviewed by L. D. Lindenbraten, V. A. Fullios. Med. rad. 7 no. 12:80-81 D '62.

DIALECTIC
Babosov, E. M. [Dialectic of analysis and synthesis in scientific cognition] Dialektika analiza i sinteza v nauchnom poznanii. Minsk, Izd-vo Akad. nauk Belorusskoi SSR, 1963. 349 p.

DIALECTICAL MATERIALISM
Concept of historical materialism. G. K. Kochetkov, Sred. spets. obr. 10 no. 9:46-52 S '63.

Kurganov, G. A. [Dialectical materialism on concepts] Dialekticheskii materializm o poniatii. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 382 p. (MH)

In short to meet the greatest demands. I. S. Kon, L. S. Pavlov, V. G. Kharchev. Vop. filos. 17 no. 8:167-169 '63.

"Philosophy of Marxist-Leninism" by I. I. Vorobiov, V. N. Kogan. Reviewed by M. L. Kurtianovych. Rad. shk. 42 no. 5:100-101 My '63.

The sharpest weapon of communist parties in the struggle against revisionism. V. V. Lebedinskii. Nauch. zap. Zaporozh. gos. ped. inst. 7 61-74 '59

Vostrikov, A. V. [Subject matter of Marxist-Leninist philosophy] Predmet marksistsko-leninskoi filosofii. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 66 p. (Filosofiia, kurs lektsii)

DIALECTICAL MATERIALISM—STUDY AND TEACHING
Philosophical studies in the Soviet institutions of scholarly research [with summary in English, pp. 184-185]. G. I. Bellakova and others. Vop. filos. 17 no. 8:67-73 '63

Study of philosophy in the institutions of higher education of the U. S. S. R. [with summary in English, pp. 103-184]. S. T. Kalashchenian, Iu. P. Petrov. Vop. filos. 17 no. 8:61-66 '63.

DIALYSIS
Treatment of acute renal insufficiency by intraperitoneal dialysis. I. I. Isakov, S. G. Grokhotova. Terap. arkh. 35 no. 2:105-107 F '63.

DIAMOND CRYSTALS
Orlov, Iu. L. [Morphology of diamond] Morfologiia almaza. Moskva, Izd-vo Akad. nauk SSSR, 1963. 233 p.

DIAMONDS see subdivision under Yakutia

DIAMONDS, INDUSTRIAL
Sharpening hard-alloy wood-cutting instruments with diamond rings. B. N. Bakul', I. P. Zakharenko, I. Kh. Chepovetskii. Der. prom. 12 no. 9:8-9 S '63.

DIAPHRAGM—HERNIA
Functional and roentgenological anatomy of the esophagocardial region of the stomach in the light of new data on hernias of the esophageal hiatus [with summary in English]. A. A. Lipko. Vest. rentgen. i rad. 38 no. 1:11-16 Ja-F '63

DIAPHRAGM—RADIOGRAPHY
Functional and roentgenological anatomy of the esophagocardial region of the stomach in the light of new data on hernias of the esophageal hiatus [with summary in English]. A. A. Lipko. Vest. rentgen. i rad. 38 no. 1:11-16 Ja-F '63

DIAPHRAGMS (MECHANICAL DEVICES)
Deep deflection of a circular orthotropic diaphragm. I. S. Mamedov. Inzh. zhur. 3 no. 1:174-179 '63.

DIASTASE see Amylase

DIATHESIS see subdivision under Sverdlovsk

DIATOMS see subdivision under Black Sea, Caspian Sea; Om' River; Siberia, Western

DICTATING MACHINES
The "GABRAS" dictaphone. S. Kh. Girshevichius, A. D. Londover, I. N. Sedov. Mekh. i avtom. proiz. 17 no. 9:47-50 S '63

DICTATORSHIP OF THE PROLETARIAT
Loktev, L. V. [Development of V. I. Lenin's theory of the socialist state in the new program of the CPSU] Razvitie novoi programmy KPSS uchenia V. I. Lenina o sotsialisticheskom gosudarstve. Leningrad, Obl. vyp. rasprostraneniiu polit. i nauchn. znanii RSFSR, 1963. 71 p.

DIDEROT, DENIS, 1713-1784—BIBLIOGRAPHY
Bibliography—Diderot, Denis, 1713-1784

DIE CASTING
Automatic equipment for vacuuming molds with [illegible] casting. A. B. Alabinskii, A. T. Lemeshko, A. [illegible] kov. Lit. proizv. no. 8:7-8 Ag '63.

Die casting in small batch production. Iu. G. Chernyshkin, L. P. Belavin. Lit. proizv. no. 8:10 Ag '63

Die casting with the use of vacuum. A. IA. Boffa. Lit. proizv. no. 8:2-3 Ag '63

Effect of vacuuming mold cavities on the properties of die cast castings. R. M. Kolish. Lit. proizv. no. 8:14-16 Ag '63.

DIE CASTING—EQUIPMENT AND SUPPLIES
Die-casting machine. V. V. Kochurov. Mekh. i avtom. proizv. 17 no. 8:15-16 Ag '63.

Making die-casting molds of tin alloys. A. M. Dudkov, I. K. Butenko. Biul. tekh.-ekon. informatsii Gos. kom. Sov. Ministrov SSSR po tekh. informatsii, no. 8:17-18 '63.

DIELECTRIC CONSTANT
Absence of superconductivity in bismuth type metals [with summary in English]. A. A. Abrikosova, L. P. Gor'kov, I. M. Khalatnikov. Zhur. eksp. i teor. fiz. 45 no. 4:848-849 O '63.

Dielectric constant of crystals from the standpoint of quantum theory [with summary in English]. G. M. Eliashberg, V. M. Fain, M. A. Krivoglaz. Zhur. eksp. i teor. fiz. 45 no. 3:522-531 S '63.

Relaxation properties of BaTiO$_3$ single crystals in the vicinity of antimony. S. V. Bogdanov, V. A. Rassmakhin, Iu. I. [illegible]. Fiz. tver. tela 5 no. 9:2701-2701 S '63.

Theory of dielectric permeability of crystals. V. M. Agranovich, Iu. V. Konobeev. Fiz. tver. tela 5 no. 9:2544-2555 S '63

DIELECTRIC LOSS
Use of the resonance loop method in determining the [illegible] dielectrics. P. P. Vetlovskii, Iu. D. Sushkin. Fiz. tver. tela 5 no. 9:2708-2710 S '63.

DIELECTRICS
Calculation of the electrical strength of a laminated dielectric. S. K. Medvedev. Elektrichestvo no. 8:6-7 Ag '63.

DIELECTRICS—EFFECT OF RADIATION ON
Distortions in cadmium sulfide crystals due to radiation. O. R. Nilasova, M. A. Kanev. Fiz. tver. tela 5 no. 9:2731-2734 S '63.

Impurity distribution and formation of color centers under the action of X-rays in NaCl-Mn, NaCl-Cd, and NaCl-Pb. L. V. Grigorov, I. IA. Melik-Gaikazian. Opt. i spektr. 15 no. 3:391-399 S '63.

DIENCEPHALON
Akademiia nauk SSSR. Laboratoriia nevro-gumoral'noi reguliatsii. [Physiology and pathology of the diencephalic region of the brain] Fiziologiia i patologiia dientsefal'noi oblasti golovnogo mozga. Moskva, Izd-vo Akad. nauk SSSR, 1963. 506 p. [With summaries in English]
(DNLM)

DIENCEPHALON—DISEASES
Diencephalic lesion in toxoplasmosis. Kh. G. Vaiu. Vrach. delo no. 7:144-145 Jl '63.

Interrelations between the thyroid gland and the adrenal cortex in patients with lesions in the central nervous system, on the problem of neurosomatic unity [with summary in English]. G. D. Leshchenko, R. M. Grants, V. D. Goncharov. Vrach. delo no. 7:3-9 Jl '63.

DIES (METALWORKING)
New method for solving the problem of durability and strength of dies for the deformation of metals and alloys in a hot state. S. A. Dovnar, P. A. Chepa. Dokl. AN BSSR 7 no. 6:384-386 Je '63.

DIESEL ELECTRIC POWER PLANTS
The 6DN 30/50 diesel manufactured by the "Russkii Dizel'" plant. Energomashinostroenie 9 no. 10:30 O '63.

DIESEL ENGINES
(see also subdivision under Leningrad)
Determination of the air excess coefficient and filling of supercharged four-cycle diesel engines. V. V. Dobrovol'skii. Energomashinostroenie 9 no. 10:28-29 O '63.

The new SMD diesels for tractors and combines. I. O. Koval'. Traktor. i sel'khozmash. 33 no. 9:3 S '63.

DIESEL ENGINES (Continued)

Quantitative power regulation in a two-stroke diesel engine. V. S. Frondiev. Izv AN Azerb SSR Ser. fiz.-mat. i tekh. nauk no. 2:65-70 '63

The 6DN 30/50 diesel manufactured by the "Russkii Dizel'" plant. Energomashinostroenie 9 no. 10:9-10 O '63.

Testing of graphite piston rings in the 2Ch 10,5/13 diesel engine. T. L. Uditskii, P. G. Egorov. Energomashinostroenie 9 no. 10:35-37, 47 O '63.

Use of a graphical gas dynamics method in solving problems on the exhaust of a two-cycle diesel engine. V. T. Malishchuk. Energomashinostroenie 9 no. 9:4-8 S '63

Ways for preventing the weakening of the pole cores of diesel traction engines. L. I. Davydov, V. T. Nuzdanov, V. P. Kompaneets. Elek. i tepl. tiaga 7 no. 9:15-16 S '63

DIESEL ENGINES—COOLING

Investigating the cooling of pistons and lubricant distribution in the 2D100 diesel engine. R. A. Nasyrov, A. A. Semisazhenova, S. M. Zakharov. Trudy TSNII MPS no. 262:21-35 '63

DIESEL ENGINES—DESIGN AND CONSTRUCTION

Mirzaiants, G. [Present-day piston materials for transportation and stationary diesel engines, selection and piston development methodology according to the temperature conditions of the space inside the cylinder] Sovremennye porshnevye materialy transportnykh i statsionarnykh dizelei, podbor i metodika dovodki po temperaturnomu rezhimu vnutrikatsilindrovogo prostranstva. Dushanbe, Tadzhikgosizdat, 1963. 42 p.

DIESEL ENGINES—FUEL SYSTEMS

Characteristics of the performance of the fuel system of the type D100 diesel engine. A. N. Gurevich, G. B. Fedotov. Trudy TSNII MPS no. 262:41-52 '63.

Investigating the automatic device for limiting maximum fuel supply in diesel engines. O. P. Ponomarev, N. F. Ovchinnikov. Vest. mashinostr. 43 no. 9:15-18 S '63.

Investigating the nature and extent of the wear of the elements of the fuel system of 2D100 diesel engines during operation. G. B. Fedotov. Trudy TSNII MPS no. 262:53-72 '63.

Technological data on the precision instruments of the fuel system of 2D100 diesel engines. G. B. Fedotov. Trudy TSNII MPS no. 262:36-40 '63.

DIESEL ENGINES—TESTING

Investigating the wear of the friction pair of the TL-P60 diesel locomotive engine. V. P. Ivanov. Vest. TSNII MPS 22 no. 6:32-35 '62.

DIESEL FUELS

Additives to sulfurous fuels for improving the performance of diesel engines. P. P. Botkin. Inform. sbor. TSNIIMF no. 44. Tekh. ekspl. mor. flota no. 2:24-25 '59

Structure of a complex formed by the interaction of diesel fuel and carbamide aqueous solution. Z. V. Basyrova, B. V. Klimenok. Izv. vys. ucheb. zav., neft' i gaz 4 no. 3:61-66 '61.

DIESEL LOCOMOTIVES

(see also subdivision under Germany, West)

Failure instances in the control circuits of the TE3 diesel locomotive. A. V. Tarasenko. Elek. i tepl. tiaga 7 no. 9:37-38 S '63.

Maintenance, repair and operation of industrial diesel locomotives. Iu. A. Bunkin. Elek. i tepl. tiaga 7 no. 9:23-24 S '63.

Permissibility of the occurrence of "counter currents" on diesel locomotives. E. IA. Gakkel'. Elek. i tepl. tiaga 7 no. 9:39-40 S '63.

Glebov, V. A. [Regulation of electrical machines and the traction characteristics of a diesel locomotive] Regulirovanie elektromashin i tiagovye kharakteristiki teplovoza, uchebnoe posobie po distsipline "Elektromashiny i elektrooborudovanie teplovozov" dlia studentov V i VI kursov spetsial'nosti "Teplovozy i teplovoznoe khoziaistvo." Moskva, Vses. zaochnyi in-t inzhenerov zhel-dor. transporta, 1963. 33 p.

DIESEL LOCOMOTIVES—COOLING

Aluminum radiators for diesel locomotives. P. M. Eganov. Trudy TSNII MPS no. 262:101-116 '63.

DIESEL LOCOMOTIVES—ELECTRIC EQUIPMENT

Rudaia, K. I. [Electrical equipment of diesel locomotives] Elektricheskoe oborudovanie teplovozov. Izd. 2, Moskva, Transzheldorizdat, 1963. 271 p.

DIESEL LOCOMOTIVES—HYDRAULIC DRIVE

Characteristics of the TG102K diesel locomotive with hydraulic driving. A. N. Zhingarovskii. Elek. i tepl. tiaga 7 no. 9:33-31 S '63.

DIESEL LOCOMOTIVES—LUBRICATION

Damage to the pistons and crankshaft bearings of the 2D100 diesel locomotive during operation when using various lubricating oils. I. S. Zelenetskaia and others. Trudy TSNII MPS no. 262:5-20 '63.

Results of field and laboratory tests of the Volgograd lubricating oil. I. S. Zelenetskaia and others. Trudy TSNII MPS no. 262:117-135 '63.

Ways for reducing lubricant expenditure on high-speed diesel locomotives. S. I. Sevast'ianov. Elek. i tepl. tiaga 7 no. 9:31-32 S '63

DIESEL LOCOMOTIVES—MAINTENANCE AND REPAIR

Analyzing the performance of the crankshaft bearing assembly of the D50 diesel locomotive engine. I. I. Narskikh. Trudy TSNII MPS no. 262:85-100 '63

Methods for measuring the wear of the crankshafts of diesel locomotive engines. A. I. Volodin, I. I. Narskikh, IU. A. Zagoruiskii. Trudy TSNII MPS no. 262:71-81 '63.

DIESEL LOCOMOTIVES—TECHNOLOGICAL INNOVATIONS see subdivision under Lugansk

DIESEL LOCOMOTIVES—TESTING

Recovery of electric power during rheostatic testing. V. V. Litovchenko, A. E. Zorokhovich. Elek. i tepl. tiaga 7 no. 9:26-28 S '63.

Ways to detect cracks in the cylinder bushings of the 2D100 diesel locomotives. I. V. Lavykin. Elek. i tepl. tiaga 7 no. 9:16 S '63.

DIET IN DISEASE

Therapeutic diet in peptic ulcers of the stomach and the duodenum. V. M. Gamerova. Med. sestra 22 no. 9:21-24 S '63.

DIFFERENTIAL DIAGNOSIS see Diagnosis, Differential

DIFFERENTIAL EQUATIONS

Analytic structure of solutions to the equation

$$\mu y + \sum_{ik} a_{ik} x^i y^k$$

$$\frac{dy}{dx} = \frac{i+k=n}{\mu x + \sum_{i+k=n} b_{ik} x^i y^k}.$$

I. A. Charkas. Dokl. AN BSSR 7 no. 8:516-519 Ag '63

Asymptotic behavior of some problems for ordinary nonlinear differential equations with a small parameter at the higher derivatives. A. B. Vasil'eva. Usp. mat. nauk 18 no. 3:15-86 My-Je '63.

Asymptotic stability of the solutions to certain differential equations with retarded arguments. M. G. Bakhrakh. Izv. vys. ucheb. zav., mat. no. 4:15-19 '63.

Cauchy problem for non-Kovalevski type equations with variable coefficients [with summary in English]. I. S. Frank. Vest. Mosk. un. Ser. I Mat., mekh. 18 no. 6:23-33 N-O '63.

Construction of isochronous systems of two differential equations. A. P. Vorob'ev. Dokl. AN BSSR 7 no. 8:513-515 Ag '63.

D. M. Sintsov's studies on the theory of connexes and their use in the theory of differential equations. I. O. Naumov. Ist.-mat. zbn. 3:58-71 '62.

Determination of the periodic solutions to a certain differential equation. IU. G. Zolotarev. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2:20-41 '64.

Dirichlet problem for a parabolic equation. Part 2. V. P. Mikhailov. Mat. sbor. 62 no. 3:110-159 O '63

Estimation of the deviation of solutions of iterative systems. V. S. Kim. Izv. vys. ucheb. zav., mat. no. 4:67-70 '63.

Fundamental solutions to elliptic systems of differential equations with discontinuous coefficients [with summary in English]. L. S. Paraskuk. Dop. AN URSR no. 8:986-989 '63.

Inverse problem of the qualitative theory of differential equations. M. I. Al'mukhamedov. Izv. vys. ucheb. zav.; mat. no. 4:3-6 '63.

Limit cycles. N. V. Medvedev. Izv. vys. ucheb. zav.; mat. no. 3:99-103 '63.

Limiting cycles of a certain system of differential equations. N. A. Lukashevich. Dokl. AN BSSR 7 no. 7:443-445 Jl '63.

A linear programming problem arising in differential equations. L. R. Volevich. Usp. mat. nauk 18 no. 3:155-162 My-Je '63.

Nonlinear differential equations with small parameters in a Banach space. B. N. Pantioti. Trudy Inst. mat. i mekh. AN Azerb. SSR 2:39-48 '63.

Nonlinear problems in the theory of thin plates with p axes of symmetry. N. F. Morozov. Dokl. AN BSSR 7 no. 6:361-363 Je '63

One of the particular solutions of Chaplygin's equations [with summary in English]. G. S. Mavriodi. Vest. Mosk. un. Ser. I. Mat., mekh. 18 no. 5:60-67 S-O '63.

Properties of solutions to Cauchy-Riemann systems with nonlinear right-hand parts. S. TS. Sarkisian. Dokl. AN Arm. SSR 36 no. 3:141-146 '63.

Regular semistable limiting cycles of a system of ordinary differential equations. V. I. Vedenikov. Uch. zap. GGPI no. 41:7-11 '62.

Runge-Kutta type methods for solving nonlinear equations in Hilbert space [with summary in German]. I. Peterson. Izv. AN Est. SSR, Ser. fiz.-mat. i tekh. nauk 12 no. 2:123-131 '63.

Solution of a boundary value problem for a third-order hyperbolic equation in a certain class of regions. S. E. Elubaev. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2:37-44 '63.

Some correct problems over the whole plane for hyperelliptic equations. B. R. Vainberg. Mat. sbor. 62 no. 2:186-218 O '63

Spectral indications of the stability of boundary value problems for non-self-adjoint difference equations. S. K. Godunov, V. S. Riaben'kii. Usp. mat. nauk 18 no. 3:3-11 My-Je '63

Symbolical methods for the solution of differential equations in the early period of development of their theory [E. V. Koshut']. [Collected articles] 157-169 '62

Theorems of Liapunov's second method. M. IAtaev. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2:32-36 '63

Use of the straight line method in the approximate solution of the Dirichlet problem for an elliptic partial differential equation. I. O. Omarov. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2:15-18 '64.

DIFFERENTIAL EQUATIONS, LINEAR

Boundary value problem for a parabolic equation with discontinuous coefficients. G. K. Namazov. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekh. nauk no. 2:3-15 '63.

Existence of solutions to linear Hamiltonian equations with unbounded operator coefficients. V. I. Dergunov, V. A. IAkubovich. Dokl. AN SSSR 151 no. 6:1261-1267 Ag '63

DIFFERENTIAL EQUATIONS, PARTIAL

Analysis of solutions to Cauchy's problem for enumeration systems of partial linear differential equations in a class of generalized functions. N. M. Sukhmanov. Trudy Inst. mat. i mekh. AN Azerb. SSR 2:133-141 '63.

Conditions of the Sommerfeld type for a certain class of partial differential equations. V. V. Grushin. Mat. sbor. 61 no. 2:147-174 Je '63.

Some partial cases of the solution of a certain system of partial differential equations. T. V. Chekmarev. Izv. vys. ucheb. zav., mat. no. 1:168-178 '63.

A system of partial differential equations. V. Kh. Kharasakhal. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2:5-20 '64.

DIFFERENTIAL GEOMETRY see GEOMETRY, Differential

DIFFUSION

Activation energy of Nb and C mobility in metallic niobium and its carbides [with summary in English]. P. V. Gel'd, V. D. Liubimov. Poroshk. met. 3 no. 1:76-78 Jl-Ag '63.

Activation energy of the process of autodiffusion of niobium in its oxides. P. V. Gel'd, V. D. Liubimov, L. V. SO AN SSSR no. 7, Ser. khim. nauk no. 2:79-83 '63.

Diffusion-electric theory of the Dorn effect. Part 2. Effect of surface diffusion and electric conductivity on the electric field for Peclet numbers much smaller than unity [with summary in English]. S. S. Dukhin. Koll. zhur. 25 no. 5:520-531 S-O '63.

Diffusion-electric theory of the Dorn effect. Part 3. Method for calculating the far-range electric field for large Peclet numbers [with summary in English]. S. S. Dukhin. Koll. zhur. 25 no. 5:621-632 S-O '63

Diffusion into cell walls of wood. IU. M. Ivanov. Trudy Inst. lesa i drev. 65:3-10 '63.

DIFFUSION COATINGS

Obtaining rhenium coatings by the method of thermal dissociation of its oxychloride. A. N. Zelikman, N. V. Baryshnikov, M. V. Teplitskaia. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no. 1:161-166 Jl-Ag '63

DIGESTION

Kraliukhin, B. V. [Physiology of digestion of freshwater bony fishes] Fiziologiia pishchevareniia presnovodnykh kostistykh ryb. Moskva, izd-vo Akad. nauk SSSR, 1963. 137 p.

DIGESTIVE ORGANS—DISEASES

Blood eosinophilia in some diseases of the digestive organs. I. P. Lerner, A. M. Kreidich, I. V. Andrushchenko. Vrach. delo no. 9:133-136 S '61

DIGESTIVE ORGANS—FISHES

Visceral apparatus of sturgeons as an organ for the intake of food. G. A. Gimmel'reikh. Trudy Inst. morf. zhiv. no. 38:77-109 '63.

DIKES

Hydraulic fill of narrow profile dams and small dikes in agricultural construction. B. M. Shkundin. Mekh. stroi. 20 no. 10:28-29 O '63.

DIKES (GEOLOGY)

Possibility of studying the relationship between dikes and mineralization based on mineral inclusions [with summary in English]. A. A. Lokerman. Min. sbor. no. 16:312-317 '62.

DILATOMETER

Interference dilatometer. A. N. Koroleva. Izm. tekh. no. 8:20 Ag '63.

DILATOMETRY

Dilatometric investigation of secondary martensite transformation in high-speed cobalt steel. A. N. Popandopulo. Metalloved. i term. obr. met. no. 8:8-14 S '63.

DIMITROV, GEORGI, 1882-1949

Georgi Dimitrov and the Ukraine. P. S. Sokhan' [Ukrainskii istorichnyi zhurnal] 7 no. 4 45-50 Jl-Ag '63

DIPHENHYDRAMINE

Effect of diazadrol on the development of Bunnett's atergic test. A. A. Tulunov. Izv. AN Kazakh. SSR. Ser. med. nauk. no. 2 81-84 '63

DIPHTHERIA

(see also subdivision under Tashkent)

Study of immunization reactivity in horses immunized with a diphtherial anatoxin, preparation of horses for the production of diphtheria serum at an early age. A. N. Nikol'skii and others. Trudy TashNIIVS 5 145-148 '62.

Study of the quality of clinical and laboratory diagnosis of diphtheria by the use of a tellurite medium and determination of antitoxin in the blood of patients who have had an atypical clinical course. K. D. Burov, A. I. Grigor'eva, Kh. R. Zakhidova. Trudy TashNIIVS 5 118-123 '62.

DIPHTHERIA ANTITOXIN

Immunization reactivity in horses immunized with a diphtherial anatoxin, effect of pilocarpine on the development of antitoxin in horses. A. N. Nikol'skii and others. Trudy TashNIIVS 5 139-144 '62.

Study of the quality of clinical and laboratory diagnosis of diphtheria by the use of a tellurite medium and determination of antitoxin in the blood of patients who have had an atypical clinical course. K. D. Burov, A. I. Grigor'eva, Kh. R. Zakhidova. Trudy TashNIIVS 5 118-123 '62.

DIPLOCOCCUS

Intrauterine infection of calves and the role of diplococci in the sterility of cattle. A. A. Uchaev. Veterinariia 39 no. 11-30-31 N '62

DIPLOMACY

Gromyko, A. A., and others, eds. [History of diplomacy] Istoriia diplomatii. Izd. 2., perer. i dop. Moskva, Gospolitizdat.

Vol. 2. [Diplomacy in the modern period, 1871-1914] Diplomatiia v novoe vremia, 1871-1914. Avtor toma V. M. Khvostov. 1963. 820 p.

DIPLOMATIC AND CONSULAR SERVICE

Satow, Sir Ernest Mason. [A guide to diplomatic practice. Translated from the English] Rukovodstvo po diplomaticheskoi praktike. Pod obshchei red. F. F. Molochkova. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1961. 495 p.

(IaU)

DIPOLE MOMENTS

Determining the matrix element of the dipole moment of the electron transition in the violet band system of cyanogen. Part 1. E. M. Kudriavtsev and others. Teplofiz. vys. temp. 1 no. 1 73-81 Jl-Ag '63.

Spatial symmetry of electric and magnetic dipole structures. V. B. Liubimov. Kristallografiia 8 no. 5 699-705 S-O '63

DIRECT CURRENT MACHINERY see Electric motors, Direct current

DIRICHLET'S SERIES see Series, Dirichlet's

DISABILITY EVALUATION

Determination of incapacity for work and rational job placement of patients with chronic dermatoses. IU. I. Faer, M. IU. Goldenberg. Vest. derm. i ven. 37 no. 1-70-72 Ja '63.

Andreeva-Galanina, E. TS., and V. G. Artamonova. [Expertise on work capacity in vibration diseases] Ekspertiza trudosposobnosti pri vibratsionnoi bolezni. Leningrad, Medgiz, 1963. 177 p. (Biblioteka prakticheskogo vracha)

(DNLM)

Invalids with cardiovascular diseases. I. E. Golovchiner. Zdrav. Ros. Feder. 7 no. 8, 22-26 S '63.

Molekhov, D. E. [Clinical foundations for the prognosis of working ability in schizophrenia] Klinicheskie osnovy prognoza trudosposobnosti pri shizofrenii. Moskva, Medgiz, 1963. 197 p.

(DNLM)

DISARMAMENT

Petrov, V. I. [Disarmament is a root problem] Razoruzhenie - korennoi vopros. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. VII Serita: Mezhdunarodnaia, no. 17)

Marxism-Leninism and the problem of disarmament. Val. Zorin. Mir. ekon. i mezhdunar. otn. no. 9 24-34 '63.

N. S. Krushchev's answers to the representatives of the Association of Editors and Publishers of Japan. Mezhdunar. zhizn' 10 no. 9 3-9 S '63.

DISARMAMENT—ECONOMIC ASPECTS

"Disarm or perish?", a book review. G. Gerasimov. Nov. vrem. 21 no. 40 28-30 O '63.

"Economic aspects of disarmament," Reviewed by M. Rubinstein. Nov. vrem. 21 no. 37, 30-31 S '63.

DISCRIMINATION IN EDUCATION see subdivision under United States

DISEASES—CAUSES AND THEORIES OF CAUSATION

Basic concepts of V. D. Spasskii on the mechanisms of disease, recovery and treatment, on the 75th anniversary of his birth. O. IA. Ostrov. Pat. fiziol. i eksp. terap. 7 no. 1 3-5 Ja-F '63

DISINFECTION AND DISINFECTANTS

Disinfecting the planting stock of flowers. E. P. Shumilenko, A. I. Sharanova. Zashch. rast. ot vred. i bol. 8 no. 4 38 Ap '63.

DISKS, ROTATING

Redistribution of stresses in rotating disks beyond the limit of proportionality. I. V. Kholov. Vest. mashinostr. 43 no. 9 7-10 S '63.

DISLOCATIONS IN CRYSTALS

Appearance of dislocations on the cleavage planes of cuprous oxide. V. I. Andrievskii, G. I. Mocharnuk. Kristallografiia 8 no. 5 793-795 S-O '63

Dislocation energy and etching pits in sodium chloride crystals. L. M. Nadgornyi. Fiz. tver. tela 5 no. 9, 2723-2725 S '63.

Spontaneous jumps of dislocations in LiF single crystals. V. B. Pariiskii, A. I. Landau, V. M. Perzhikovskaia. Fiz. tver. tela 5 no. 9, 2570-2575 S '63.

DISLOCATIONS IN METALS

Use of the statistical theory of dislocations in deriving the fundamental relations for strength curves. N. S. Akulov, A. K. Shiktevich. Dokl. AN BSSR 7 no. 7, 453-456 Jl '63.

DISMISSAL OF EMPLOYEES see Employees, Dismissal of

DISORDERLY CONDUCT

We should intensify our struggle against rowdyism. IU. Maksin. Sov. iust. no. 15 25 Ag '63.

DISSOCIATION

Effect of the structural factors on the thermodynamic characteristics of the extraction of basic dyes. Part 3. Equilibria in the extraction with a "dissociating" solvent. K. S. Krasnov. Radiokhimiia 5 no. 2 222-231 '63.

DISTILLATION

Aluminum distillation through subhalogenides. A. I. Belaev. Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 4, 32-34 Jl-Ag '63.

Losses of fusel oil in the products of yeast separation. V. G. Artiukhov and others. Spirt. prom. 29 no. 6 36-37 '63.

Return of the ether-aldehyde fraction to the beet still. I. V. Vasil'ev, G. A. Miroshnichenko. Spirt. prom. 28 no. 6, 15-20 '62.

Separation of selenium from tellurium by distillation. L. A. Nisel'son, A. I. Pustil'nik, L. A. Soshnikova. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2 79-85 Mr-Ap '63.

DISTILLATION APPARATUS

New cascade system for controlling the performance of the vacuum furnace. R. B. Gun, V. V. Birukov. Neftianik 8 no. 2, 26-27 F '63.

Redesigning of the bubble-cap tower. V. IA. Iakovlev. Gidroliz. i lesokhim. prom. 16 no. 6 27 '63.

DISTILLERIES

Automation of the production processes in distilleries. V. A. Sukolov. Spirt. prom. 29 no. 6, 16-20 '63.

DISTILLING INDUSTRIES

(see also subdivision under Germany, East)

Economic effect of the new equipment in distilling industries. D. G. Uditskii. Spirt. prom. 29 no. 6, 25-28 '63.

Perusing scientific and technical journals. G. L. Oshmian. Spirt. prom. 29 no. 6, 35-36 '63.

Preparing the factories for a new production season. P. A. Urchenko. Spirt. prom. 28 no. 6 32-34 '62.

DISTILLING INDUSTRIES—BY-PRODUCTS

(see also subdivision under Serebryanye Prudy)

Conference on the production of bromycin and vitamin concentrates. A. M. Makukhina. Spirt. prom. 29 no. 6, 38-39 '63.

Put the potentials of production at the service of the building of communism. Spirt. prom. 29 no. 6 1-3 '63.

Use of undiluted-molasses distiller's slop for the production of vitamin B_{12}. G. A. Nikitin. Spirt. prom. 29 no. 6, 23-24 '63.

Utilize the wastes of alcohol production in the creation of a feed base for the stock breeding industry. P. M. Reizin. Spirt. prom. 28 no. 6, 5-8 '62.

DISTILLING INDUSTRIES—EQUIPMENT AND SUPPLIES

(see also subdivision under Kharkov Province)

Continuous automatic bottling lines in the Leningrad Liquor and Vodka Distillery. P. N. Galasov, I. A. Stepanov. Spirt. prom. 29 no. 6, 20-23 '63

Koloskov, S. P. [Mechanization of production processes in the distilling industry] Mekhanizatsiia protsessov v spirtovoi promyshlennosti. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 58 p.

(MICROFILM)

DISTILLING INDUSTRIES—PERIODICALS

Conference of the readers of "Spirtovaia promyshlennost'" journal. Spirt. prom. 28 no. 6, 48 '62.

DISTRIBUTION (PROBABILITY THEORY)

Divisions of exponential families of distribution [with summary in English]. S. M. Vishik, V. L. Rozental'. Vest. Mosk. un. Ser. 1 Mat., mekh. 18 no. 5 47-49 S-O '63.

DISTRIBUTIVE EDUCATION

(see also subdivision under Karaganda, Kazakhstan; Tselinograd, Vladimir Province)

More on training commodity experts. V. Frolkin. Sov. potrieb. koop. 7 no. 7 31-33 Jl '63.

Most important task of trade-union organizations. Sov. potreb. koop. 7 no. 9, 3-6 S '63.

DISULFIDE

Effect of TMTD on the keeping quality and yield of carrot seed plants. V. S. Toldaev, T. I. Toldaeva. Zashch. rast. ot vred. i bol. 8 no. 9 16 S '63.

DITHIONITES—THERAPEUTIC USE

Treatment of mylasis linearis with hyposulfite and hydrochloric acid by the M. P. Demianovich method. A. V. Duk. Vest. derm. i ven. 37 no. 2, 83-84 F '63.

DIURETICS AND DIURESIS

Use of some diuretic substances (diamox, chlorinit, hypothiazide) in cardiovascular pathology. I. I. Griaznova, S. I. Kostiaeva. Terap. arkh. 35 no. 2 30-37 F '63.

DIVING

Characteristics of the formation of twists. L. Z. Gorelkhovskii. Teor. i prak. fiz. kul't. 26 no. 8, 38-40 Ag '63.

DIVING, SUBMARINE

Bessonov, A. N., and others. [Underwater search] Podvodnyi poisk. Moskva, Voenizdat, 1963. 93 p. (Za voenno-tekhnicheskie znaniia)

Swimming under water by a compass. G. Uspenskii. Voen. znan. 39 no. 9 31-32 S '63.

Watch is performed by combat engineers and divers. A. Belokon'. Voen. vest. 43 no. 9 92-94 S '63.

What should underwater sports be like? V. Shekhovtsov. Voen. znan. 39 no. 9, 30 S '63.

With an aqualung under the clouds. V. Vishnevskii. Nauka i zhizn' 30 no. 9 62-64 S '63.

DIVISION OF LABOR

Communal division of labor under socialism. V. Nezhel'skyi. Ekon. Rad. Ukr. no. 5 107-113 S-O '63

Sigov, I. I. [Division of labor in agriculture during the transition to communism] Razdelenie truda v sel'skom khoziaistve pri perekhode k kommunizmu. Moskva, Ekonomizdat, 1963. 262 p.

DNEPRODZERZHINSK—FLORICULTURE

Flowering decorative plants for industrial sites. V. M. Babkina. Nauch. zap. Dnepr. un. 78 28-38 '62

DNEPROPETROVSK—BOTANICAL GARDENS

Thirtieth anniversary of the Botanical Garden of the Dnepropetrovsk State University. A. M. Lavitskaia. Nauch. zap. Dnepr. un. 78 3-12 '62

DNEPROPETROVSK—BRIDGES—FOUNDATIONS AND PIERS

There has not been a command to "stop." Lev Udasin. Znan.-sila 38 no. 7 28-30 Jl '63.

DNEPROPETROVSK—CLIMBING PLANTS

Herbaceous lianas in the Dnepropetrovsk Botanical Garden. Z. I. Nevesenko. Nauch. zap. Dnepr. un. 78 101-108 '62.

DNEPROPETROVSK—LANDSCAPE GARDENING

Trees and shrubs on industrial sites. Z. I. Gaevaia. Nauch. zap. Dnepr. un. 78 19-27 '62.

DNEPROPETROVSK—MAY DAY (LABOR HOLIDAY)

It's May in the city. A. Zhuravskii. Starsh.-serzh. no. 5, 1-2 My '63.

DNEPROPETROVSK—PEACH

Peach culture in the Dnepropetrovsk Botanical Garden. N. I. Romanovich. Nauch. zap. Dnepr. un. 78 67-70 '62.

DNEPROPETROVSK—PERENNIALS

Herbaceous perennial plants for a rock garden. N. P. Mamontova. Nauch. zap. Dnepr. un. 78 86-100 '62

DNEPROPETROVSK—PLANTS, EFFECT OF GASES ON

Gas resistance of trees and shrubs. Z. I. Gaevaia. Nauch. zap. Dnepr. un. 78 13-18 '62.

DNEPROPETROVSK—ROCK GARDENS

Hardy ferns perennial plants for a rock garden. N. P. Manicheva Nauch. zap Dnepr un 78 86-100 '62

DNEPROPETROVSK—ROSES

Seed reproduction of polyantha roses in Dnepropetrovsk. T. V. Goncharova. Nauch. zap Dnepr un 78 61-66 '62.

DNEPROPETROVSK—RUSSIAN SOCIAL DEMOCRATIC PARTY

V. I. Lenin and the Bolshevik organization in Ekaterinoslav; documents and source materials. " T. M. Kolisher Ukr ist zhur 7 no 1 126-138 Ja-Ag '63

DNEPROPETROVSK—TROPICAL FRUIT

Subtropical fruit plants in Dnepropetrovsk. A. M. Levitskaia. Nauch. zap Dnepr un. 78 52-60 '62

DNEPROPETROVSK—WOODY PLANTS

Gas resistance of trees and shrubs. Z. I. Gaevaia. Nauch zap Dnepr un 78 13-18 '62

Trees and shrubs on industrial sites. Z. I. Gaevaia. Nauch zap Dnepr un 78 19-27 '62.

DNEPROPETROVSK PROVINCE—COLLECTIVE FARMS—FINANCE

Pay more attention to the economics of collective farms. A. Panasenko. Part. zhizn' no. 19:30-32 O '63.

DNEPROPETROVSK PROVINCE—FLORICULTURE

Selecting herbaceous decorative plants for flower gardens according to the time of flowering. V. M. Babkina. Nauch. zap. Dnepr. un. 78 71-85 '62.

DNEPROPETROVSK PROVINCE—MILITARY EDUCATION

Demands of the party in practice. F. Stebenev. Voen. znan 39 no 9 17-18 S '63

DNIEPER BASIN—COAL GEOLOGY

Dnepropetrovsk. Dneprpetrovskii gornyi institut [Regularities of coal accumulation in the Dnieper lignite basin] Zakonomernosti uglenakopleniia na territorii Dneprpetrovskogo burougol'nogo basseina. Moskva, Gosgortekhizdat, 1963 210 p

DNIEPER ECONOMIC REGION—BLAST FURNACES

Analyzing the performance of blast furnace plants in the Dnieper Economic Region operating with a various degree of forced working. N. N. Chernov, I. T. Tkach. Metallurg 8 no 4 4-8 S '63

DNIEPER-DONETS LOWLAND—FOLDS (GEOLOGY)

New data on low folds in the Dnieper-Donets Lowland. I. I. Kitchenko, N. A. Samborskii. Geol. nefti i gaza 7 no 8 30-35 Ag '63

DNIEPER-DONETS LOWLAND—GEOLOGY, STRUCTURAL

Using the results of seismic prospecting for paleotectonic concepts. V. R. Shevchenko. Geol. nefti i gaza 7 no 8 55-58 Ag '63.

DNIESTER REGION—ANTIQUITIES

Finding of Tiverian settlements (conclusion). G. Fedorov. Nauka i zhizn' 30 no. 9 90-94 S '63.

DNIEPER RIVER

Likhtsov, M. [Along the broad Dnieper; a brief guidebook] Po Dniepru shyrokomu, korotkyi putivnyk. [Cherkasy] Cherkasvydav, 1962. 97 p. illus (Ill)

DNIEPER RIVER—WORLD WAR, 1939-1945

Antiaircraft defense of the Dnieper River crossing. P. I. Grekhnev. Vest. protivovozd. obor. no. 11,76-79 N '61.

Brave crew. S. K. Rudichenko. Vest. protivovozd. obor. no. 11,80 N '61.

DNIEPER VALLEY—CLAY

Kostianoi, M. G. [Characteristics of clay rocks in the regions of the Kanev dislocations from the viewpoint of engineering geology] Inzhenerno-geologicheskie osobennosti glinistykh porod raiona Kanevskikh dislokatsii. Kiev, Izd-vo Akad. nauk USSR, 1963 173 p. (Akademiia nauk URSR. Kiev, Instytut geologichnykh nauk. [Trudy]. Seriia gidrogeologii i inzhenernoi geologii, no. 10)

DNIEPER VALLEY—ENGINEERING GEOLOGY

Kostianoi, M. G. [Characteristics of clay rocks in the regions of the Kanev dislocations from the viewpoint of engineering geology] Inzhenerno-geologicheskie osobennosti glinistykh porod raiona Kanevskikh dislokatsii. Kiev, Izd-vo Akad. nauk USSR, 1963. 173 p. (Akademiia nauk URSR. Kiev, Instytut geologichnykh nauk. [Trudy]. Seriia gidrogeologii i inzhenernoi geologii, no. 10)

DNIEPER VALLEY—FELDSPAR

Replacement of feldspar along cleavage [with summary in English]. L. A. Prikazchikov. Min. sbor., no 16; 373-383 '62.

DNIEPER VALLEY—GEOMORPHOLOGY—MAPS

Geomorphologic map of the left bank of the middle Dnieper [with summary in English]. A. P. Romodanova. Dop. AN URSR no. 8:1085-1089 '63.

DNIEPER VALLEY—MACTRIDAE, FOSSIL

Variation of the hinge in Sarmatian Mactridae in Borysthenes Bay. I. S. Belokrys. Paleont. zhur. no. 4:39-48 '63.

DNIEPER VALLEY—PEGMATITES

Replacement of feldspar along cleavage [with summary in English] L. A. Prikazchikov. Min. sbor. no 17: 373-383 '62

DNIEPER VALLEY—POTTERY, PRIMITIVE

New materials on the archaeological map of the upper Dnieper Valley. L. I. Krushel'nytska. Mat. i dosl. z arkheol. Prikarp. i Vol. no 4 131-136 '62

DNIEPER VALLEY—WATER—MICROBIOLOGY

Akademiia nauk URSR, Kiev. Instytut hidrobiologii [Problems of putrefaction in the bodies of water of the Dnieper basin] Pytannia biologichnoi samoochysnosti vodom baseinu Dnipra. Kyiv, Vyd-vo AN URSR, 1963 45 p

DNIESTER VALLEY—ALLANITE

Accessory orthite from the Dniester Valley [with summary in English] B. I. Srebrodol'skii. Min. sbor. no 16:418-421 '62.

DNIESTER VALLEY—STONE AGE

Exploration of Mousterian monuments in the Dniester Valley in 1959. O. P. Chernysh. Mat. i dosl. z arkheol. Prikarp. i Vol. no 4 3-16 '62.

DOBROLIUBOV, NIKOLAI ALEKSANDROVICH, 1836-1861

In the struggle for a "party of the people" in literature. G. Solov'ev. Vop. lit. 7 no. 9:97-122 S '63.

DOCUMENTARY EVIDENCE see Evidence, Documentary

DODDER see subdivision under Kirghizistan

DOGS

My three friends. I. Sosnovskii. Doshk. vosp. 16 no. 8: 87-90 Ag '63.

DOGS—DISEASES AND PESTS

Aujeszky's disease in watchdogs. A. I. Leont'ev, M. A. Dedinin. Veterinariia 39 no. 11 61 N '62.

Comparative pathology of tumors in dogs [in Georgian with summary in Russian] V. I. Zigenti, A. V. Dzhorbenadze. Sbor. trud. Gruz. zootekh.-vet. nauch.-issl. inst. 32;187-207 '61.

Treatment of dogs with coprostasis. V. G. Bushkov, A. S. Zorova, G. D. Barkov. Veterinariia 39 no. 9:56-57 S '62.

DOGS—PARASITES see Parasites—Dogs

DOKUCHAEV, VASILII VASIL'EVICH, 1846-1903

Noteworthy dates in science and technology. Shkola i proizv. 7 no. 9 65-66 S '63.

DOLLS

Homemade dolls. E. Mozhaeva. Doshk. vosp. 30 no. 9: 77-79 S '63.

DOMAIN STRUCTURE

Electrostriction of triglycine sulfate. A. A. Fotchenkov, M. P. Zaitseva, L. I. Zherebtsova. Kristallografiia 8 no 5 724-726 S-O '63

Temperature dependence of the shape of the domain wall in ferromagnetics and ferroelectrics [with summary in English]. L. N. Bulaevskii, V. L. Ginzburg. Zhur. eksp. i teor. fiz. 45 no. 3:772-779 S '63.

DOMESTIC ANIMALS see subdivision under Near East

DOMESTIC ANIMALS AS CARRIERS OF DISEASE

Epizootiologic role of salmonella carriers in the paratyphoid fever of animals. I. S. Zagaevskii. Veterinariia 39 no. 9:15-20 S '62.

DOMESTIC RELATIONS

Soviet family. S. Laptenok. Komm. Bel. 37 no. 8:60-66 Ag '63.

DON RIVER—BREAM

Stock protection and legal size limit for bream (A. brama L.) in the Azov-Don basin. E. G. Pekht. 3 no 3 472-476 '63.

DONETS BASIN—COAL MINES AND MINING

Effort of the Donets Basin party organizational progress in the coal industry in the the five-year plan. I. T. Styrin. Trudy A 193 '63.

Akademiia nauk SSSR. Laboratoriia podzemnykh gornykh mestorozhdenii. [Optimum parameters of system of working steep seams with stoping and the efficiency of mechanized mining] Optimal'nye parametry sistemy razrabotki krutykh plastovymi agregatami i effektivnost' agregatnogo mekhanizirovannogo kratkii nauchnyi otchet. Moskva, Akad. n 1963. 46 p.

DONETS BASIN—COAL MINES AND MINING PRODUCTIVITY

Expediency of reducing the number of simultaneously active faces in development workings of Donets mines. Iu. K. Epifantsev, P. N. Khristenko. DonUGI no. 29:114-123 '63.

DONETS BASIN—COAL MINING MACHINERY

Basic parameters of a stope for the AKD unit. D. N. D'iakonov. Nauch. soob. IGD 20 72-81 '63.

DONETS BASIN—FLUORITE

Fluorite in Donets Basin Devonian sandstones [with summary in English]. B. S. Panov. Dop. AN URSR no. 8:1099-1102 '63.

DONETS BASIN—FRUIT CULTURE

Distribution and development of fruit culture in the Donets Basin. P. Korinnyi. Likhn. Rad. Ukr. no. 5 59-64 S-O '63

DONETS BASIN—MEDICINE, INDUSTRIAL

Let's disseminate the practice of the Donets Basin everywhere. Okh. truda i sots. strakh. 6 no. 7 24-28 Jl '63.

DONETS BASIN—MINE FILLING

Technological layouts and efficiency of scraper rock filling of the mined-out area of longwalls in flat seams. B. N. Korneev and others. Sbor. DonUGI no. 29:17-31 '63.

DONETS BASIN—MINE GASES

Gas emission from the mined area in the pillar system of mining. I. S. Vinarskii. Sbor. DonUGI no. 29:130-161 '63.

DONETS BASIN—MINE ROOF BOLTING—TESTING

Results of using anchor bolting in development workings of Donets Basin mines. V. D. Filin. Sbor. DonUGI no. 29:91-114 '63.

DONETS BASIN—MINING ENGINEERING

Immediate problems in the construction of deep mines in the Donets Basin. S. S. Melikactov. Shakht. stroi. 7 no. 7 1-5 Jl '63.

DONETS BASIN—RUSSIAN NEWSPAPERS

How "Za metall," a factory newspaper, has covered the problem of the communist education of workers. U. IA. IAtsenko. Ukr ist zhur 7 no 4 105-107 Jl-Ag '63

DONETS BASIN—SOCIALIST COMPETITION

Mamaiia skill. I. Sopov. Nauka i zhyttia 13 no 7 42-45 Jl '63.

DONETS BASIN—TRACE ELEMENTS

Some data on accessory rare earth and dispersed elements in minerals of the Nikitovka mercury deposit [with summary in English]. A. P. Bol'shakov. Dop. AN URSR no. 8:1086-1089 '63.

DONETS BASIN—WORLD WAR, 1939-1945

Liberation of the Donets Basin, on the 20th anniversary of the defeat of Hitlerite armies in the Donets Basin. A. D. Shenin. Ukr. ist zhur. 7 no 4 126-128 Jl-Ag '63

DONETSK—DESCRIPTION

Donetsk. Viktor Shutov. Ukraina no. 22:8 S '63.

DONETSK PROVINCE—CATTLE—DISEASES AND PESTS

Cattle trichomoniasis control on the farms of Donetsk Province. G. IA. Kononiuk. Veterinariia 39 no. 11: 25-28 N '62.

DONETSK PROVINCE—RAILROADS—MANAGEMENT

Erak, S. Sh., and M. L. Leshchinskii. [Bureaus of economic analysis staffed with volunteers, from the practice of the Donetsk Railroad] Obshchestvennye ekonomicheskie biuro, iz opyta Donetskoi zheleznoi dorogi. Moskva, Transzheldorizdat, 1963. 35 p.

DONETSK PROVINCE—TRICHOMONIASIS

Cattle trichomoniasis control on the farms of Donetsk Province. G. IA. Kononiuk. Veterinariia 39 no. 11: 25-28 N '62.

DOVZHENKO, ALEKSANDR PETROVICH, 1894-1956

[illegible] Rod lit. 7 no. [illegible] '63

DRAROV REGION—CORN (MAIZE)—FERTILIZERS AND MANURES

[illegible] Dnepr [illegible] M. [illegible] 12 7- [illegible] '62

DRACHMA see subdivision under Pendzhikent

DRAINAGE

(see also subdivision under Latvia, White Russia)

Hydrological bases of forest drainage. V. I. Pravdenko. Izv. Vses. n.-i. in-ta gidrotekh. i mel. no. 7 75-77 '63.

Calculating flow from drainage ditches through the floating ice in the [illegible] Finland] A. V. Vuorinen. Izv. VNIIG 74 226-231 '63.

Calculation of the depth of drainage systems for underground [illegible] Belorussia] N. P. Vasilenko, G. N. Rakov. Izv. VNIIG 74 159-169 '63.

Polish V. I., V. A. Solomentsev, and V. A. Chekmarev. [Fundamentals of hydrology and land improvement] Osnovy gidrologii i sel'skokhozyaistvennaia melioratsiia. 2. dop. izd. Leningrad, Gidrometeoizdat, 1963. 340 p.

Present state and possible development of forest drainage. N. A. Nikolaev, E. D. Fabo, T. V. Khokhlova. Les. khoz. 16 no. 7:6-14 Jl '63.

Prospects of machines for draining and reclaiming swamps. V. Sokolov, D. Petrovich. Tekh. sel'khoz. 23 no. 2:42-43 F '63.

DRAINAGE—EQUIPMENT AND SUPPLIES

Plows for ditch or turning the soil to one side. Iu. Kaplev, V. Gorev, A. Korshikov. Tekh. sel'khoz. 23 no. 2: 43-45 F '63.

DRAINAGE, SURGICAL

Drainage of an [illegible] or three branches of a pathological [illegible] separate parts. V. V. Bolshakov. Khirurgiia no. 1 40-43 '63.

DRANG NACH OSTEN

Akademiia nauk SSSR. Institut slavianovedeniia. [Studies on German relations with the Slavs] Slaviano-germanskie issledovaniia. Moskva, Izd-vo Akad. nauk SSSR 1963. 442 p.

DRAWING—INSTRUCTION

Training of students in graphic and drawing skills. I. Z. Vasilenko. Rad. shk. 42 no. 6:36-37 S '63.

DRAWING (METALWORK)

Laman, N. K. [Development of metal drawing techniques] Raz itie tekhniki volocheniia metallov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 233 p.

Feeding lubricants under pressure to the deformation zone during drawing. I. Anaki Dimitrov Vasilev. Stal' 23 no. 6 569 Je '63.

Not forged, not turned and not cast. L. Lifshits. Znan. sila no. 8:8 Mr '63.

Tube drawing with self-centering mandrels on rectilinear-type mills. M. B. Bisk, Z. A. Sominskii, V. V. Shveikin. Stal' 23 no. 6 536-540 Je '63.

Using a floating mandrel for the drawing of medium length carbon tubes. P. I. Orro, G. A. Savin. Stal' 23 no. 6 540-544 Je '63.

DRAWING (METALWORK)—EQUIPMENT AND SUPPLIES

Changing dies on drawing machines for the manufacture of powder wire. M. I. Razikov. Avtom. svar. 16 no. 9 76-77 S '63.

DRAWING MATERIALS

Two devices for drawing. A. Baranov. Shkola i proizv. 7 no. 9 90-91 S '63.

DRAWINGS, ITALIAN

Grashchenkov, V. N. [Drawings of Italian Renaissance masters; studies on the history, theory and practice] Risunok masterov ital'ianskogo Vozrozhdeniia, ocherki istorii, teorii i praktiki. Moskva, Izd-vo "Iskusstvo" 1963. 205 p. illus.

DREAMS

Demidova, A. M. [Sleep and dreams] Son i snovideniia. Moskva, Medgiz, 1963. 29 p. (Nauchno-popularnaia meditsinskaia literatura)

DREDGING

Dredging machine operations in the production of rock materials. F. Tseitlin. Rech. transp. 22 no. 9 18-20 S '63.

Underwater breaking of rocky bottoms by superimposed charges. A. Stankevich. Rech. transp. 22 no. 9:49-50 S '63.

DREDGING MACHINERY

Dredging machine operators on northern rivers. A. Pozdnev. Rech. transp. 22 no. 8:44 Ag '63.

Effect of wear on the lowering of the power indices of suction dredges. V. K. Supiun. Mekh. stroi. 20 no. 9, 12-13 S '63.

Modern dredges in the marine dredging fleet. V. N. Pevchikh. Inform. sbor. TSNIIMF no. 11 [illegible] ekspl. mor. flota no. 2 72-89 '59.

Using vibration to work up the ground by suction dredges. V. I. Kharin, V. V. Udichev. Mekh. stroi. 20 no. 9 6-12 S '63.

DREDGING MACHINERY—ELECTRIC DRIVING

Methodology of calculating the static forces of the bucket mechanism of multibucket dredges. G. A. Bagautinov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 3 101-104 '63.

DREISER, THEODORE, 1871-1945

Dreiser as short-story writer; the collection "Free and other stories." V. I. Lozovskii. Uch. zap. Perm. gos. un. 23 no. 2 10-53 '62.

DRESSMAKING

Smirnova, R. S., O. A. Ierusalimskaia, and M. A. Evtushenko. [How to learn to sew] Kak nauchit'sia shit'. [Leningrad] Lenizdat, 1963. 375 p.

DRESSMAKING—PATTERN DESIGN

Driuchkova, M. A., and E. I. Zhivaeva. [Clothing for stout women] Odezhda dlia polnykh zhenshchin. Minsk, Gos. izd-vo BSSR, 1962. 330 p.

DRILL (AGRICULTURAL IMPLEMENT)

Drill for sowing pine in wide rows in nurseries. N. Zheltov. Les. khoz. 16 no. 3:57 Mr '63.

Sowing flax with the SLB-18 drill. E. Anikhalchenko, R. Martsenko. Tekh. v sel'khoz. 23 no. 3 47-49 Mr '63.

DRILL AND MINOR TACTICS

Forward, you courageous and dexterous ones! Sov. voin. 45 no. 18, 43 S '63.

DRILLING AND BORING

Comparison of diamond boring and internal grinding. V. N. Gerasimov. Trudy Stud. nauch. ob-va LIKI no. 3: 92-96 '59.

Honing. M. Zhidkovskii. Trudy Stud. nauch. ob-va LIKI no. 3:107-111 '59.

DRILLING AND BORING MACHINERY

Drill for drilling holes in the ground. V. M. Stepin. Put' i put. khoz. 7 no. 9:39 '63.

Theoretical determination of the stopping precision of the table of a program-controlled upright jig drilling machine. Iu. F. Blinov. Izv. vys. ucheb. zav., mashinostr., no. 6 162-171 '63.

Turntable for universal upright drilling machines. IA. M. Evdienko. Mashinostroitel' no. 9 32 S '63.

DRILLING FLUIDS

Classification of geological cross sections according to the difficulty of obtaining representative mud samples in core drilling. V. V. Bol'shakov. Trudy MGRI 39 106-108 '63.

Effect of the pH of drilling fluids on the value of diffusion-adsorption potentials. E. M. Mirotshnichenko. Trudy MINKhiGP no. 41:84-87 '63.

New way of hit-par-lit sampling of water-bearing horizons. E. V. Simonov, L. S. Kosykh, A. G. Teslia. Razved. i okh. nedr 29 no. 9:27-32 S '63.

DROPS

Spectrum of coagulating cloud drops. Part 2. A. M. Golovin. Izv. AN SSSR. Ser. geofiz. no. 9 1438-1447 S '63.

DRUG INDUSTRY see subdivision under Moscow

DRUGS

Medicinal substances. Med. sestra 22 no. 9:53-55 S '63.

DRUGS—PHYSIOLOGICAL EFFECT

Reactivity of the cardiovascular system to some drugs in acute intestinal obstruction [with summary in English]. L. IA. Fishchenko, F. M. Neiko. Pat. fiziol. i eksp. terap. 7 no. 1 36-39 Ja-F '63.

DRY DOCKS—DESIGN AND CONSTRUCTION

Selecting the type of a dock water gate. A. I. L'vov. Sudostroenie 29 no. 8, 65-69 Ag '63.

DRYING

Heat treatment of materials using commercial-frequency current. B. M. Smol'skii. Inzh.-fiz. zhur. 6 no. 8 120-124 Ag '63.

DRYING APPARATUS—SAFETY MEASURES

Protection of drying towers against destruction. V. V. Bukhgin. Mash.-zhir. prom. 29 no. 9:46 S '63.

DUBOVICHI (SUMY PROVINCE)—HISTORY

Past and present of the village of Dubovichi. IA. O. Kryvko. Ukr. ist. zhur. 7 no. 4 101-102 Jl-Ag '63.

DUBROVSKII, VLADIMIR GEORGIEVICH

"Course leads to danger." P. Mustiakov. Sov. voin. 45 no. 17 18 S '63.

DUCKS

A duckling gets out of the egg. A. Khozhevnikova. Nauka i zhizn' 30 no. 5 112, 4 of cover My '63.

DUCKS—DISEASES AND PESTS see subdivision under Alma-Ata Province

DUMBBELLS

Gusak, Sh. Z. [Working out with dumbbells and [illegible] exercises] Uprazhnenia s gantelliami i [illegible] amortizatorom. Moskva, Voenizdat, 1963. 62 p.

DUMP TRUCKS

Denisov, A. G., and others. [MAZ-525 dump truck; design and operation] Avtomobil'-samosval MAZ-525; ustroistvo i ekspluatatsiia. Moskva, Avtotransizdat, 1963. 166 p.

The BelAZ-540 dump truck. I. P. Gromov. Mekh. trud. 20 no. 10 13-14 O '63.

New MoAZ-522 high-roadability dump truck. I. [illegible], I. Dychkin. Avt. transp. 41 no. 9 18-20 S '63.

DUMP TRUCKS—MAINTENANCE AND REPAIR

Repair of frame girders. B. I. Fedorov. Avt. transp. 41 no. 9:51-52 My '63.

DUNGAN LITERATURE—BIBLIOGRAPHY see Bibliography—Dungan literature

DUNITE

Metasomatic zoning in contacts of Uralian platinum-bearing dunite and pyroxenite. A. A. Ivanova. Dokl. AN SSSR 151 no. 6:1421-1422 Ag '63.

DUODENUM—INTUBATION

Methods of roentgenological examination of the duodenum and intestine with barium administration through a sound [with summary in English]. I. M. I[illegible]. Vest. rentg. i rad. 38 no. 1 80-82 Ja-F '63.

DUODENUM—RADIOGRAPHY

Identifying cancer of the head of the pancreas by duodenography [with summary in English]. I. A. [illegible], N. A. Rabukhina. Vrach. delo no. 9:9-14 S '63.

DUODENUM—SURGERY

Fivefold perforation of the stomach in a patient [illegible] the ulcer. V. I. Dranchuk. Vestn. khir. 90 no. 5 [illegible] 107 My '63.

DUSHETI DISTRICT—LICHENS

New and interesting lichens of the Caucasus [illegible] gia. Ts. N. Inashvili. Bot. mat. Otd. sporov. rast. 17, 20-22 '63.

New species of lichens of the U. S. S. R. Ts. N. Inashvili. Bot. mat. Otd. sporov. rast. 16:18-19 '63.

DUST COLLECTORS

Soveshchanie po voprosam bor'by s pyl'iu na obogatitel'nykh fabrikakh, 1962. [Problems of dust control in the dressing plants] Voprosy bor'by s pyl'iu na obogatitel'nykh fabrikakh; materialy soveshchaniia. Moskva, Gosgortekhizdat, 1963. 118 p. (Chopashi bonit.)

Purification of exhaust gases from metallurgical [illegible] by means of foam filters. A. V. Kochinovskii, IA. S. Shtromberg. Stal' 23 no. 9 859-861 S '63.

DUTCH PAINTING see Painting, Dutch

DYES AND DYEING

Adsorption of dyes by synthetic zeolites. [illegible] A. [illegible], L. N. Maksimovich, N. I. Timokenko. Kolloid. zhur. no. 25:567-571 '63.

Effect of the structural factors on the thermodynamic characteristics of the extraction of basic dyes with [illegible]. Part 3: Equilibria in the extraction with n-butanol as solvent. K. S. Krasnov. Radiokhimiia 5 no. 2 [illegible] '63.

Paste for discoloring dyes on the skin. M. I. [illegible], S. M. Melnik, M. S. Kogan. Vest. derm. i ven. no. 2:85-88 '63.

DYES AND DYEING—LEATHER

Automatic unit for surface dyeing and drying of leather. V. P. Zheltov. Biul. tekh.-ekon. inform. Gos. n.-i. in-t. 1962, no. 11:41-44 '63.

DYNAMICS

P. Appell's studies on the dynamics of nonholonomic systems. B. N. Frumkin. Ist.-mat. issl. 15:309-320 '63.

A "physical" system with positive entropy [with summary in English]. IA. G. Sinai. Vest. Mosk. un., ser. I, Mat., mekh. 18 no. 6:26-28 N-D '63.

Doroshkevich, A. M., comp. [Textbook on dynamics] Uchebnoe posobie po dinamike. Moskva, Mosk. poligr. in-t, 1962. 150 p.

DYNAMOMETER

(see also subdivision under Lithuania)

Dynamometer with a nonamplifying circuit and resistance strain gauges. V. N. Vydrin, P. N. Amosov, I. N. Ageev. Izm. tekh. no. 8:24-25 Ag '63.

Experimental investigation of magnetoelastic dynamometers used in measuring metal pressure on rolling mill rolls. P. I. Stepushkin and others. Shor. trud. Chelyabinsk. politekh. in-ta no. 30:129-145 '63.

DYNAMOMETRY

Measuring forces in rolling on plate mills. I. G. Chebrikov, D. I. Sutarov, M. I. Shtotin. Trudy Inst. mash. UFAN SSSR no. 9:17-26 '62.

DYSENTERY

Change in sensitivity to antibiotics of Newcastle dysentery bacillus in the human body before the beginning of treatment [with summary in English] A A. Lentsner and others. Antibiotiki 7 no. 7 643-646 Jl '62.

Data on the study of intestinal microflora in dysentery in infants. Report No. 1 Aerobic microflora of the intestines in children not contracting dysentery. Kh P Gamaleshi Zhur mikrobiol, epid i immun 40 no. 1 147-151 '63

Effect of chlortetracycline and cortisone on the cholesterol level of the blood serum in patients with acute bacillary dysentery [with summary in English] G S Mironov, A. I. Mikhailov, L. F. Astakova. Antibiotiki 7 no. 7, 636-638 Jl '62.

Examination of the blood serum in bacillary dysentery by the electrophoresis-precipitation method [with summary in English] K V Klimov Zhur mikrobiol, epid i immun 40 no 1 116-120 '63

Pathomorphological changes in lambs with dysentery V. G. Mamantelashvili. Sbor. trud Gruz zootekh -vet nauch.-issl. inst. 13:37-43 '61

Phage titer rise reaction in the diagnosis of dysentery [with summary in English]. N D Mazurin TS S Rozina-Iskina Zhur mikrobiol, epid i immun 40 no 1 113-116 '63.

Study of the etiology of intestinal diseases with a dysenteric syndrome in children under the age of two. Kh M Stavina and others Trudy TashNIIVS 5 53-58 '62

DYSENTERY—PREVENTIVE INOCULATION

Study of the effectiveness of subcutaneous immunization against dysentery with Chernokhvostov's alcohol vaccine M. Z Leitman and others Trudy TashNIIVS 5 59-71 '62

DYSPROSIUM—DECAY

Kumpf, G., and V. A. Karnaukhov. [Characteristics of the decay of dysprosium compound nuclei with high angular momentum] Osobennosti raspada sostavnykh iader disprozlia s vysokim uglovym momentom Dubna, Ob'edinennyi in-t iadernykh issledovanii, 1963 13 p [With summary in English in insert]

DYUBENDI—CITY PLANNING

Planning a new city on Apsheron Peninsula. S. Regame, IU Bocharov. Arkhit. SSSR no. 5 41 '63.

DZERZHINSK (GORKIY PROVINCE)—EDUCATION OF CHILDREN

Education of children is the order of the day. G. Fradkin. Part. zhizn' no. 18 63-65 S '63.

DZERZHINSK (GORKIY PROVINCE)—ELECTRIC POWER PRODUCTION

"Take into consideration. . . ," I. Bogorodnitskii. Part. zhizn' no. 19 37 O '63.

DZERZHINSK REGION (GORKIY PROVINCE)—KARST

Probability of the occurrence of karst sinks of various diameters in the Dzerzhinsk region. I. A. Savarenskii. Nov. kar. i spel. no. 3:35-39 '63.

DZHAMBUL PROVINCE—COOPERATIVE SOCIETIES—MANAGEMENT

Organization is a business of paramount importance. A. Bondarenko. Koop. Kazakh. 6 no. 3 11-13 Je '63.

DZHEZKAZGAN—COPPER MINES AND MINING—EQUIPMENT AND SUPPLIES

Self-propelled giant machines work underground A Kulakov Mekh tekh 7 no. 8 10-47 Ag '63

DZHEZKAZGAN—MINERS—DISEASES AND HYGIENE

Roentgenological characteristics and some parallels in osteoarticular changes in the miners of Karaganda and Dzhezkazgan. L. A. Kul'kina Zdrav. Kazakh 23 no. 2:49-53 '63.

DZHEZKAZGAN REGION—COPPER ORES

Dressing oxidized Dzhezkazgan copper ore. T. G. Gutsaliuk, M. P. Korablina, M. A. Sokolov. Trudy Inst met. i obog. AN Kazakh. SSR 6:3-10 '63.

DZUNGARIAN ALATAU—RIVERS

Source of rivers in the northern slope of the Dzungarian Ala-Tau. S. V. Grinberg. Meteor. i gidrol. no. 9:38-42 S '63.

DZHUNGARIAN ALATAU REGION—CITIES AND TOWNS

Formation of city settlements in the western region of Dzhungarian Alatau. T. M. Fesenko. Trudy Otd. geog. AN Kazakh. SSR no. 10:163-179 '63.

EAR—DISEASES

Case of rapidly progressing otogenous meningitis in nonperforative acute otitis. N. L. Naimagon. Zhur. ush., nos. i gorl. bol. 23 no. 4:80-81 Jl-Ag '63.

Case of a recurrent bicameral otogenous abscess in the right temporal lobe of the brain. M. G. Matvienko. Zhur. ush., nos. i gorl. bol. 23 no. 4:81-82 Jl-Ag '63.

Chronic hypersecretory forms of otitis. A. I. TSyganov. Zhur. ush., nos. i gorl. bol. 23 no. 4:74-76 Jl-Ag '63.

Otogenous liquorrhea. N. P. Filippova. Zhur. ush., nos. i gorl. bol. 23 no. 4:68 Jl-Ag '63.

Treatment of adhesive otitis with lidase [with summary in English]. M. N. Sirota. Zhur. ush., nos. i gorl. bol. 23 no. 1:51-54 Jl-Ag '63.

EARLY PRINTED BOOKS—BIBLIOGRAPHY see Bibliography—Early printed books

EARTH

Belousov, V. V. [The earth, its structure and development] Zemlia, ee stroenie i razvitie. Moskva, Izd-vo Akad. nauk SSSR, 1963 150 p. (Akademiia nauk SSSR. Nauchno-populiarnaia seriia)

EARTH—SURFACE

(see also subdivision under Kola Peninsula)

Bondarchuk, V. G. [Crustal structure; with a map made on a 1:27,000,000 scale] Struktura zemnoi kory(s kartoi masshtaba 1:27, 000,000). Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1962. 43 p (Akademiia nauk URSR Instytut geologichnykh nauk Trudy. Seriia geotektoniki, no 12)

Conference of young geologists of the Institute of the Earth's Crust. Geol. i geofiz. no 7:117-119 '63.

Special case of a connection between the rate of tilt and linear deformations and the distribution of atmospheric pressure. V. F. Bonchkovskii. Izv. AN SSSR, Ser. geofiz. no. 9 1361-1368 S '63.

EARTH (IN RELIGION, FOLKLORE, ETC.)

Kaptarenko-Chernousova, O. K., B. B. Permiakov, and M. M. Permiakova. [Science and religion about our planet] Nauka i religiia pro nashu planetu Kyiv, Derzhpolittvydav URSR, 1963. 58 p

EARTH CURRENTS

Relationship between cycles of solar activity and the intensity and frequency of inducing brief variations in the earth's electromagnetic field. V. A. Troitskaia, R. V. Shchepetnov Prikl. geofiz. no. 37:95-101 '63.

EARTH MOVEMENTS

Determination of the true ground movement and its spectrum on a seismogram. L. F. Savarenskii, S. A. Fedorov, B. V. Gogichaishvili. Izv. AN SSSR, Ser. geofiz. no. 9 1340-1347 S '63.

EARTH TEMPERATURE see subdivision under Apsheron Peninsula

EARTHMOVING MACHINERY

Alimov, O. D., I. G. Basov, and Z. M. Pratusevich [Cutting frozen ground with the URMG-60 unit] Rezanie merzlykh gruntov ustanovkoi URMG-60 Tomsk, Izd-vo Tomskogo sovnarkhoza, 1962 19 p. [MICROFILM]

Vibrating device for earthmoving machinery. I. P. Shashkov. Mekh. stroi. 20 no. 9 23-24 S '63.

EARTHQUAKES see subdivision under Azerbaijan; Caspian Sea region

EARTHQUAKES AND BUILDING

Mechanical similarities of solids and their application to the study of structural elements and seismic resistance of buildings. Report No. 8. A. G. Nazarov. Izv. AN Arm. SSR, Ser. tekh. nauk 16 no. 4:3-14 '63.

Method of determining the spectrum of seismic pulses by the harmonic curve analysis. N. K Karapetian. Izv. AN Arm. SSR, Ser. tekh. nauk 16 no. 4:65-69 '63

Vibration platform for studying the seismic stability of buildings. IA M. Aizenberg. Prom stroi. 40 [i.e 41] no. 7, 13-47 Jl '63.

EAST (FAR EAST) see Far East

EAST (NEAR EAST) see Near East

EAST (SOVIET FAR EAST) see Soviet Far East

EAST AFRICA see Africa, East

EAST EUROPEAN PLAIN—GLACIAL EPOCH

Absolute age of the latest (Valday) glaciation on the northwestern part of the East European Plain. I. P. Gerasimov, N. S. Chebotareva. Izv. AN SSSR, Ser. geog. no. 5:30-44 S-O '63.

EAST EUROPEAN PLAIN—LANDFORMS

Some forms of the glacial accumulative relief in the northwestern part of the East European Plain. D. B. Malakhovskii, M. E. Vigdorchik. Trudy Kom. chetv. per. 21:47-53 '63.

EAST EUROPEAN PLAIN—MORAINES

Marginal formations of the last glaciation in the northwestern part of the East European Plain and their geomorphologic and stratigraphic relationship. A. A. Aleinikov. Trudy Kom. chetv. per. 21, 41-46 '63.

Marginal formations of the Valday and Moscow glaciations in the central part of the East European Plain. M. I. Lopatnikov, S. M. Shik. Trudy Kom. chetv. per. 21:113-117 '63.

Relationship between the phase marginal formations of the Valday glaciation and the drainage network in the northwestern part of the East European Plain. E. IU. Sammet. Trudy Kom. chetv. per. 21:64-69 '63.

Some forms of the glacial accumulative relief in the northwestern part of the East European Plain. D. B Malakhovskii, M. L. Vigdorchik Trudy Kom chetv. per. 21 47-53 '63.

EAST EUROPEAN PLAIN—RIVERS

Relationship between the phase marginal formations of the Valday glaciation and the drainage network in the northwestern part of the East European Plain. E IU. Sammet. Trudy Kom chetv. per. 21 54-59 '63

EAST GERMANY see Germany, East

EAST KAZAKHSTAN PROVINCE—COOPERATIVE SOCIETIES

Kind helpers. V. Mereliaev. Koop. Kazakh 6 no. 3 31 Je '63

EAST KAZAKHSTAN PROVINCE—PENSIONERS—EMPLOYMENT

Kind helpers. V. Mereliaev. Koop. Kazakh 6 no. 3 31 Je '63.

EASTERN EUROPE see Europe, Eastern

EBULLITION

Experimental study of the effect of acceleration on critical boiling in liquids at the saturation temperature. V. I. Morozkin, A. N. Amenitskii, I. T. Aladev. Teplofiz. vys. temp. 1 no. 1 107-110 Jl-Ag '63.

Formation of a new phase in the boiling of binary mixtures [with summary in English]. L. N. Grigor'ev. In. h.-fiz. zhur. 6 no. 8 66-69 Ag '63.

ECLIPSES, SOLAR—1961

Effect of solar radiation on the ozonosphere based on observation materials of the solar eclipse of February 15, 1961. A. S. Britaev, R. S. Steblova Trudy TSAO no. 45 38-43 '62.

Ionospheric effects observed in the Crimea during the total solar eclipse of February 15, 1961 [with summary in English]. I. N. Odintsova, M. B. Ogir', Izv Krym. astrofiz. obser. 29 175-180 '63.

ECONOMIC ASSISTANCE

New form, old essence [with English summary in insert]. V. Fedorov. Az. i Afr. sovr. no. 9:1-8 S '63.

ECONOMIC ASSISTANCE, AMERICAN see subdivision under Latin America, Underdeveloped Areas

ECONOMIC ASSISTANCE, RUSSIAN

(see also subdivision under Bulgaria; China)

Friendly aid to underdeveloped countries. D. Vovko. Ekon. Rad. Ukr. no. 5 114-118 S-O '63

ECONOMIC ZONING

G. M. Krzhizhanovskii and soviet science on economic zoning. K. D. Egorov. Obshch. energ. no. 6:6-13 '63.

ECONOMICS

Afanas'ev, V. S. [Crisis of bourgeois economics] Krizis burzhuaznoi politicheskoi ekonomii. Moskva, Gos. Izd-vo "Vysshaia shkola," 1963. 60 p. (Materialy k lektsiiam po Politekonomii)

Savchuk, P. O. [Essays in economics] Ocherki politicheskoi ekonomii Moskva, Sotsekgiz, 1963, 422 p

[History of economic theories] Istoriia ekonomicheskikh uchenii, kurs lektsii. [By] I V. Aleshina i dr Moskva, Gos. Izd-vo "Vysshaia shkola," 1963. 683 p.

The laws of social development. V. A. Pereviazko. Nauch. zap. Zapor. gos ped. inst. 7 287-295 '59.

Leningrad. Universitet. Kafedra politicheskoi ekonomii. [Lecture course in economics, the communist means of production] Kurs lektsii po politicheskoi ekonomii, kommunisticheskii sposob proizvodstva [Leningrad] Izd-vo Len

Problems of

719 - 838 O - 64 - 13

ECZEMA

[illegible] Pract. of dermat. and venereol. with the collaboration [illegible] Pod red. [illegible] Moskva, Gos. izd-vo med. lit-ry, 1962 [illegible] p. illus. [With summary in French]

Practice of dermatology and venereology. Edited by [illegible]

Treatment of eczema and neurodermatitis with corticosteroid preparations [with summary in English] [illegible] Zhurbenko, G. IV Shapo, and Yu. [illegible] Vest. dermatol. i ven. 37 no. 1:35-42 Ja '63

EDDY ELECTRIC CURRENTS see Electric currents, Eddy

EDELFELT, ALBERT GUSTAF ARISTIDES, 1854-1905

Rusanova, V. N. [Works of Albert Edelfelt in the State Hermitage and other museums of the U.S.S.R.] Al'bert Edel'fel't i ego proizvedeniia v Gosudarstvennom Ermitazhe i drugikh muzeiakh SSSR. Leningrad, Izd-vo Gos. Ermitazha, 1963. 18 p. illus. [With summary in French]

EDITING

Redkollegial'naia k. v. [At the round table; an editor's notes] Za tvorcheskuiu initsiativu zapiski redaktora. Moskva, Izd-vo "Izvestiia," 1962. 237 p.

[illegible] Leningr. Sov. [illegible] 10 '63

Chernyshova, L. K. [In the editor's laboratory] V laboratorii redaktora. Izd. 2., ispr. i dop. Moskva, Izd-vo "Izvestiia," 1963. 359 p.

EDUCATION

(see also subdivision under Bulgaria, Buryat A.S.S.R., Ceylon, Chernovtsy, Great Britain, Hungary, Kenya, Tajikistan, Ukraine)

Let's struggle for new successes in the education and training of children! F. Morozov, Sem'ia i shkola 17 no. 3:1 S '63

Let's train students and graduate partisans of communist labor. Sem'ia i shkola no. 4:1-4 Jl-Ag '63

Let's treat education, development and training uniformly. Sem'ia i shkola no. 9:1-3 S '63

A proper school day is in the near future of general schools. E. Rudnyi, Sem'ia i shkola no. 4:39-42 Jl-Ag '63

Some prerequisites for the efficiency of student's independent work in schools with longer hours. I. T. Prus, Biul. shk. 42 no. 5:82-86 My '63

Role of V. I. Lenin's book "Materialism and Empirio-criticism" in the development of Soviet educational theory. I. V. Pukhlo. Uch. zap. Zapor. gos. ped. in-ta 7:129-141 '63

EDUCATION—BIBLIOGRAPHY see Bibliography—Education

EDUCATION—PERIODICALS see subdivision under Poland

EDUCATION, COOPERATIVE

(see also subdivision under Ul'yanovsk Province)

Work of teachers. Ia. V. Sharov, F. N. Gorlukhina, V. P. Sharov. Sov. pedag. 27 no. 8:133-136 Ag '63.

Connection between instruction and productive work in production training workshops. O. M. Iasiko. Biul. shk. 42 no. 6:74-77 My '63

A valuable new experience in the training of youth. V. I. Kozhurarov. Shkola i proizv. 7 no. 9:35-36 S '63.

Work programs for students. M. I. Rozenberg, G. S. Kriachok. Shkola i proizv. 7 no. 9:47-50 S '63

EDUCATION, ELEMENTARY

(see also subdivision under Kiev)

Baranov, S. P. [Sensory experience of the child during elementary education] Chuvstvennyi opyt rebenka v nachal'nom obuchenii. Pod red. I. F. Svadkovskogo. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 122 p.

Everyone should be approached individually. V. Koleso-va. Sem'ia i shkola 18 no. 9:2-4 S '63.

In a school with longer hours. M. D. Koparev. Nach. shkola 31 no. 3:68-72 S '63

Let's examine life. O. V. Kyrychuk. Rad. shk. 42 no. 5:50-51 My '63.

Let's prepare children for the fifth grade. M. Stepanova. Sem'ia i shkola 18 no. 8:9-10 Ag '63.

Organizing the work in a school with one or two teachers. T. D. Andrina. Nach. shkola 31 no. 8:78-83 S '63

Play elements in reading and writing instruction. A. A. Sysoeva. Nach. shkola 31 no. 9:27-31 S '63.

EDUCATION, HIGHER

(see also subdivision under Rumania, Ukraine)

[Bulletin of the Ministry of Higher and Secondary Specialized Education of the U.S.S.R.]. Biul. Min. vys. i sred. spets. obr. SSSR no. 10 O '63.

Facts and figures. Vest. vys. shkoly 21 no. 9:89 S '63.

Let's increase the efficiency of research. V. A. Venikov. Vest. vys. shkoly 21 no. 9:36-40 S '63.

New year and new tasks. P. I. Polukhin. Vest. vys. shkoly 21 no. 9:3-7 S '63.

What problems are solved yet. B. P. Nadeinskii, A. S. Zaitsev. Vest. vys. shkoly 21 no. 9:30-33 S '63.

People's intelligentsia. Aleksandr Krasov, Marlen Mylnikov. Polit. samoobr. 7 no. 2:29-30 '63.

EDUCATION, MEDIEVAL

Basic problems in the history of medieval universities in the interpretation of present-day bourgeois historiography. N. A. Sidorova. Srednie veka no. 23:223-247 '63

EDUCATION, PRESCHOOL

(see also subdivision under Hungary, Kuz-Ur'mitskiy District, Minsk, Ryazan, Ukraine Voronezh Province)

Exercises for the development of self-service habits in small children. R. Aizenkovych. Doshk. vykh. 24 no. 8:12-20 Ag '63

Children should not be sent away from a kindergarten. Free for the others of children's institutions. I. Rus-[illegible] Doshk. vosp. 36 no. 9:80 S '63.

Conversation of the Soviet public to preschool education. K. Frolova, M. Chernova, Z. Nesterova. Doshk. vosp. 36 no. 6:7-9 Ag '63.

Continuity in the work of day nurseries and kindergartens. N. Mikhailova. Doshk. vosp. 36 no. 7:36-38 Jl '63.

Development of speech and orientation in their surroundings in two-year-old children. G. Ilamina. Doshk. vosp. 36 no. 7:29-36 Jl '63.

In order to give children a better training. V. Kolesnikova. Doshk. vosp. 36 no. 7:42-45 Jl '63.

International education. O. Bulatova. Doshk. vykh. 24 no. 5:10-14 My '63.

Our power is in communist ideology. Doshk. vykh. 24 no. 8:1-4 Ag '63

"Pedagogical lectures" in Krasnoyarsk. E. Korzakova, G. Zakharova. Doshk. vosp. 36 no. 9:5-6 S '63.

Plans on preschool education. Doshk. vosp. 36 no. 7:22-25 Jl '63

Progressive practice in "Pedagogical lectures." Z. Leont'eva. Doshk. vosp. 36 no. 9:3-4 S '63.

There are no "secrets," only work. V. B. Mukhalova-Ugol. Rad. shk. 42 no. 9:82 S '63.

We need model institutions for children. D. Bukhina. Doshk. vosp. 36 no. 6:78-79 Ag '63

Work as a means of training. Z. Leont'eva. Doshk. vosp. 36 no. 7:38-41 Jl '63.

EDUCATION, PRESCHOOL—BIBLIOGRAPHY see Bibliography—Education, Preschool

EDUCATION, RURAL see subdivision under Kungur District

EDUCATION OF CHILDREN

(see also subdivision under Dzerzhinsk, Gorkiy Province)

Concern for the future. Iu. Repin. Doshk. vosp. 36 no. 7:78-82 Jl '63.

They are our future; the World Forum of Women. Nina Bogomolova. Zhen. mira no. 9:29-31 '63.

Through the eyes of the adults. M. Osipov. Doshk. vosp. 36 no. 9:87-89 S '63.

"Tomorrow we go to school." V. Chornyi. Doshk. vykh. 24 no. 8:41-42 Ag '63

EDUCATION OF WOMEN

The fate of Raisa worries me. E. Rabets. Agitator no. 20:61 O '63

EDUCATIONAL PSYCHOLOGY

Contribution of the science of psychology to the practice of education. Sem'ia i shkola 18 no. 9:41-42 S '63.

Development of will. N. Nepomniashchaia. Doshk. vosp. 36 no. 9:36-40 S '63.

Problems of educational psychology in "The road to life; an epic of education" by A. S. Makarenko. L. D. Dikhoh. Rad. shk. 42 no. 5:37-42 My '63.

EDUCATIONAL RESEARCH

In the Ministry of Education of the R.S.F.S.R. Doshk. vosp. 36 no. 7:26-28 Jl '63.

Organizing the research on work problems of rural schools and groups with a longer day. Shkola-int no. 4:54-55 Jl-Ag '63

EFFECT OF TEMPERATURE ON METALS see Metals, Effect Of Temperature On

EFFICIENCY, INDUSTRIAL

(see also subdivision under Mordovia, Volkovysk)

Educators of collectives. V. Znilko. Komm. Mold. 8 no. 3:63-67 Mr '63.

In the All-Union Council of the Scientific and Technical Societies. Khleb. i kond. prom. 7 no. 6:46-47 Je '63.

The problem of growth. A. Mukhina. Mol. komm. no. 6:36-37 Je '63.

EGOROV, BORIS GRIGOR'EVICH

Boris Grigor'evich Egorov on his 70th birthday. Eksper. khir. i anest. no. 1:94-95 '63

EGOSHIN, ANATOLII VASIL'EVICH

Trainer and public worker. N. Stupnikov. Voen. znan. 39 no. 9:32 S '63.

EGYPT—INTERVENTION, 1956

Imperialist aggression again[illegible] [illegible] land (in English, p. 992]. N. I. [illegible] no. 9:66-91 S '63.

EGYPTIAN LANGUAGE—INSCRIPTIONS

A slab from the pyramid of Pharaoh [illegible] shits. Ippur Vont no. 10:1-5 '63

EGYPTOLOGY—BIBLIOGRAPHY see Bibliography—Egyptology

EIGENFUNCTIONS

Non-negative eigenfunctions of the [illegible] operator on symmetric [illegible] ture. F. I. Katpelevich. Dokl. AN [illegible] 1271-1276 Ag '63.

EIGENVALUES

Use of the method of least squares [illegible] problems. V. A. Medvedev. Dokl. AN [illegible] 1280-1282 Ag '63.

EISENTEIN, SERGEI MIKHAILOVICH, [illegible]

Sergei Eisenshtein. Nash. zashch. [illegible] 28 '63.

EKIBASTUZ—COMMUNITY AND SCHOOL

Lights of Ekibastuz went on. III, Re[illegible] 18 no. 9:6-9 S '63.

ELASTIC PLATES AND SHELLS

Bending of a circular orthotropic plate [illegible] dation. V. S. Kolt'nov. Inzh. zhur. [illegible] '63.

Bending of a circular plate supported [illegible] I. I. Faerberg. Inzh. zhur. 3 no. [illegible]

Bending of circular plates supported [illegible] and united with walls of cylindrical [illegible] mech. Inzh. zhur. 3 no. 1:115 '63.

Bending of flexible plates with hinged [illegible] nishin, F. S. Dombrova. Inzh. zhur. [illegible] '63.

Calculation of a long cylindrical shell for the displacement of the medium surface [illegible] Trudy NPI 136:19 '63.

Carrying capacity of framed and corrugated cylindrical shells subjected to compression. Prykl. mekh. 9 no. 5:165-172 '63.

Design of a folded cyclically symmetric [illegible] V. S. Ilyenenko, S. V. Ohrimenko, I. M. [illegible] mekh. 9 no. 5:561-564 '63.

Effect of the curvature of an isotropic plate [illegible] linear hole on its stressed state. V. [illegible] Kosmodamianskyi. Prykl. mekh. [illegible]

Effect of lateral loading on the stability [illegible] coefficients of a compressed multispan [illegible] plate. I. I. Telvenia. Izv. vys. ucheb. [illegible]

Equilibrium of a dip-shaped shell with [illegible] deformations. N. S. Kundin. Inzh. [illegible] 575 '63.

Lengthwise corrugated cylindrical shells [illegible] shape. B. I. Koshkarovoi. Prykl. mekh. [illegible] 479 '63.

Loss of stability of a shell of revolution [illegible] pressure uniformly distributed along [illegible] Pogorelov. Dokl. AN SSSR 151 no. [illegible] '63.

Moments in shallow shells of equal [illegible] rectangular plan (with summary in [illegible] Vaivak, O. P. Vaivak. Dop. AN URSR [illegible] '63.

Nonlinear problems of the theory of thin [illegible] axes of symmetry. N. F. Morozov. [illegible] no. 11:206-208 '62.

Problem of a spherical shell with a [illegible] L. B. Insenitov. Inzh. zhur. 3 no. [illegible]

Problem of stresses in a long cylindrical [illegible] Lishenko. Trudy NPI 136:99-106 '63.

Shallow spherical shell weakened by an [illegible] hole [with summary in English]. V. M. [illegible] AN URSR no. 8:1035-1040 '63.

Stressed state of a plate with an elliptic [illegible] bending by a concentrated force. P. I. [illegible] mekh. 9 no. 5:564-570 '63.

Use of A. I. Lur'e's symbolic method in the [illegible] sional theory of the dynamics of elastic [illegible] summary in English]. U. Nigul. Izv. AN [illegible] fiz.-mat. i tekh. nauk 13 no. 2:132-140 '63.

Using the statistical method of analyzing [illegible] bility problems for shells. B. P. Makarov. [illegible] 3 no. 1:100-106 '63.

ELASTIC PLATES AND SHELLS—THERMAL [illegible]

Effect of temperature on the stability of orthotropic cylindrical shells. M. Kozarov. Inzh. zhur. [illegible] 579-584 '63.

Temperature field of a plate with a heat-[illegible] cient and environment temperature varying [illegible] I. M. Prikhod'ko. Izv. vys. ucheb. zav., [illegible] no. 3:21-27 '63.

ELASTIC PLATTS AND SHELLS—VIBRATION

Free vibrations of a cylindrical shell reinforced with rigid ribs [with summary in English]. M. I. Karpov. Dop. AN URSR no. 8:1018-1021 '63.

Low-frequency vibrations of a plate lying on an elastic half-space. P. V. Kraukl'is, L. A. Molotkov. Prikl. mat. i mekh. 27 no. 5 947-951 S-O '63.

Mixed problem concerning the vibrations of an infinite plate of unit width. S. I. Ul'chenko. Prikl. mat. i mekh. 27 no. 5 951-956 S-O '63.

Vibrations of a circular ring carrying a concentrated mass. V. S. Ivanov, D. D. Plekhov. Inzh. zhur. 3 no. 3:482-489 '63.

Vibrations of a closed circular cylindrical shell in a field of random acoustic pressures. Iu. A. Fedotov. Inzh. zhur. 3 no. 3:496-503 '63.

ELASTIC RODS AND WIRES

Application of the method of mixed matrices to the calculation of elastic compressed and bent bars. G. V. Verentsov. Trudy NPI 136:11-21 '63.

Application of the method of mixed matrices to the solution of problems of stability of rods during the action of traveling loads. A. Kh. Vatul'ian. Trudy NPI 136:73-84 '63.

Results of testing spirally reinforced prestressed elastic columns. A. B. Piradov. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 1 49-54 '63.

Stability of plane bending of thin-section rods. P. D. Mishchenko. Trudy NPI 136:57-62 '63.

Stability of rods during displacement. P. D. Mishchenko. Trudy NPI 136:85-80 '63.

Wave propagation in an elastic rod in the presence of a nonlubricated friction. L. V. Nikitin. Inzh. zhur. 3 no. 1:128-130 '63.

ELASTIC SOLIDS

Stressed state near a rough surface of an elastic body. V. A. Pal'mov. Prikl. mat. i mekh. 27 no. 5 963-969 S-O '63.

ELASTIC WAVES

Nonlinear magnetoelastic waves. L. A. Pospelov. Prikl. mat. i mekh. 27 no. 5 939-943 S-O '63.

Study of wave processes in a cylindrical shell based on the generalized theory. I. T. Selezov. Prykl. mekh. 9 no. 5:180-186 '63.

ELASTICITY

Connection between the elasticity modulus and the creep rate in iron-aluminum alloys at high temperatures. I. A. Surova, L. N. Bystrov, L. I. Ivanov. Izv. AN SSSR Otd. tekh. nauk. Met. i gor. delo no. 4:110-114 Jl-Ag '63.

Continuity theory of asymmetric elasticity, allowing for "internal" rotation. E. V. Kuvshinskii, E. L. Aero. Fiz. tver. tela 5 no. 9:2501-2508 S '63.

Solution of certain contact problems in the theory of elasticity. V. M. Aleksandrov. Prikl. mat. i mekh. 27 no. 5:970-972 S-O '63.

Solution of the dynamic problem in the theory of elasticity for a circle. N. M. Borodachev. Izv. vys. ucheb. zav. i mashinostr. no. 6:51-57 '63.

Some boundary value problems in the theory of elasticity for regions with slits [with summary in English]. M. D. Martynenko. Dop. AN URSR no. 8:983-986 '63.

Some conformities between the stress functions in the axisymmetrical and plane problems of the theory of elasticity, and solution to the axisymmetrical problem for an infinite hollow heavy cone. A. IA. Aleksandrov. Izv. Sib. otd. AN SSSR no. 2 15-24 '62.

Some representations of general solutions to boundary problems in the theory of elasticity. B. D. Volkov, M. L. Komissarova. Inzh. zhur. 3 no. 1:86-92 '63.

ELBOW—FRACTURE

"Fractures in the region of the elbow joint in children" by G. A. Batrov. Reviewed by A. A. Korzh. Ortop., travm. i protez. 24 no. 2 87-88 F '63.

ELECTION LAW
(see also subdivision under Estonia; Latvia; Lithuania)

Belenchuk, I. A. [Democratic character of the Soviet election system] Demokratyzm Radians'koi vyborchoi systemy. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 42 p.

ELECTIONS see subdivision under Mongolia

ELECTRETS

Changes in electret polarity. IA. I. Khanderak. Fiz. tver. tela 5 no. 9:3517-2525 S '63.

ELECTRIC ALARMS

Electronic alarm device. M. S. Shul'ha, E. I. Slyn'ko. Nad. sbk. 42 no. 9:91-92 S '63.

ELECTRIC ANESTHESIA

The "Electrosan" apparatus cures hypertension. G. Sergeev. Nauka i zhizn' 30 no. 9:48-50 S '63.

ELECTRIC APPARATUS AND APPLIANCES

Determining the methodical error of a gliding-bias RMS linear detector [with summary in English]. L. I. Volgin. Izv. AN Est. SSR. Ser. fiz.-mat. i tekh. nauk 12 no. 2:164-171 '63.

Aksenov, V. V., A. V. Shalkov, and E. P. Dolgov. [New electric devices for studying mining machines] Novye elektricheskie pribory dlia issledovaniia gornykh mashin, kratkii nauchnyi otchet. Moskva, In-t gornogo dela, 1963. 41 p.

Grinberg, G. S., and R. S. Deich. [Unit devices of electrical systems with ratings up to 500 volts] Komplektnye ustroistva elektrotekhnicheskikh ustanovok do 500 v. Moskva, Gosenergoizdat, 1963. 69 p. (Biblioteka elektromontera, no 101)

Gorskii, V. V. [What an electrician should know about electric equipment installation operations] Chto nuzhno znat' elektromontazhniku pri elektromontazhnykh rabotakh. Moskva, Gosenergoizdat, 1963. 60 p. (Biblioteka elektromontera, no 100)

ELECTRIC ARC

Arc travel in ring shaped clearances of spark gaps in magnetic valve dischargers. A. I. Bronfman. Elektrichestvo no. 8:56-62 Ag '63.

Combustion of a proportioned quantity of matter in spectrum analysis using the photoelectric method. A. N. Nepokuichitskii, A. A. IAnkovskii. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 3 121-127 '63.

Method for calculating shunting resistance of the arc-quenching systems of low-voltage a.c. control apparatus. V. I. Spitidonov. Elektrichestvo no. 8:32-37 Ag '63.

Optical and electrical system of an apparatus for measuring the temperature of an electric arc using a spectral line conversion technique. S. A. Sokolovskii. Energ. i elektrotekh. prom. no. 3 30-33 Jl-S '63.

Temperature field in an electric heater with rotating arcs [with summary in English]. V. I. Krylovich. Inzh.-fiz. zhur. 6 no. 8:70-77 Ag '63.

ELECTRIC BRUSHES see Brushes, Electric

ELECTRIC CABLES

Installation of inserts in cables with aluminum strands operating in lines with cables containing copper strands. L. P. Smirnov. Energetik 11 no. 8:43 Ag '63.

Manufacture of electric cables with magnesian insulation. I. S. Nyrkov, L. S. Il'inman. Vest. elektroprom. 34 no. 1:76-78 Ap '63.

ELECTRIC CHARGE AND DISTRIBUTION

Radiation of charges in circular motion. L. A. Vainshtein. Radiotekh. i elektron. 8 no. 10:1698-1705 O '63.

ELECTRIC CIRCUITS

Electric discharge in sparkproof circuits. B. A. Petrenko. Mekh. i avtom. v gor. prom. no. 3 300-317 '63.

ELECTRIC COILS

Graph for determining choke voltage. A. G. Alikhanidi. Energetik 11 no. 9:24 S '63.

ELECTRIC CONDUCTIVITY

Effect of the conductivity of the wall on resistance to the motion of liquid metal along a round pipe in a magnetic field. N. M. Turchin. Teplofiz. vys. temp. 1 no. 1:118-120 Jl-Ag '63.

ELECTRIC CONTROLLERS

A.c. and d.c. cam controllers. Prom. energ. 18 no. 10 47 O '63.

Automatic bunker feeding. B. P. Fridman, B. P. Fridman. Mekh. i avtom. proizv. 17 no. 8:18-19 Ag '63.

Command device for controlling displacements. V. B. Surovezhin. Mashinostroitel' no. 8:8 Ag '63.

Contactless devices of electric drive control systems. N. P. Vasil'eva, A. L. Pisarev. Elektrichestvo no. 8: 13-17 Ag '63.

Control desks, control boxes, and control posts. Prom. energ. 18 no. 9:57-58 S '63.

Chernoval, D. G. [Electric control of the equipment in machinery plants] Elektroavtomatika oborudovaniia mashinostroitel'nykh zavodov. Moskva, Mashgiz, 1963. 205 p.

Method for calculating a stabilizer based on the principle of a regulated choke. B. B. Gol'perin, E. L. Zlobinskii. Vest. elektroprom. 34 no. 4:32-36 Ap '63.

Noncontact gas-air ratio controller in the soaking pits of a blooming. V. P. Al'hokha and others. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:10-12 '63.

ELECTRIC CURRENT CONVERTERS

Rewinding of an asynchronous motor to operation as an asynchronous frequency converter for supplying power to electric spindles. R. L. Rabkin. Prom. energ. 18 no. 9:18-19 S '63.

Technological and economic considerations in the operation of converter systems. I. V. Nikolaev. Prom. energ. 18 no. 9:2-4 S '63.

ELECTRIC CURRENT RECTIFIERS

Damping of shock oscillations in the rectifiers of radio systems. M. V. Agapov. Radiotekhnika 18 no. 7:75-76 Jl '63.

Operation of semiconductor diodes in rectifier networks. A. A. Abdulaev. Vest. elektroprom. 34 no. 4:62-65 Ap '63.

Use of semiconductor rectifiers in underground traction substations. D. M. Kaminskii and others. Izv. vys. ucheb. zav., gor. zhur. 6 no. 6 100-102 '63.

Useful proposal. V. V. Safonov. Put' i put. khoz. 7 no. 9:37 '63.

ELECTRIC CURRENTS—GROUNDING

Grounding of electrolytic tanks. N. M. Gurevich. Prom. energ. 18 no. 9 16-17 S '63.

Simplified circuit for the signaling of short circuit control on VL60 electric locomotives. V. I. Pokromkin. Elek. i teplovoz. tiaga 7 no. 9 21 S '63.

ELECTRIC CURRENTS, EDDY

Binding the soil. R. Hebert-Tovyez. Nauka i zhyttia 13 no. 7 16-17 Jl '63.

ELECTRIC DISCHARGES

Arc travel in ring shaped clearances of spark gaps in magnetic valve dischargers. A. I. Bronfman. Elektrichestvo no. 8:56-62 Ag '63.

Nature of surface platinum oxides formed during the anode discharge of hydrogen peroxide. A. I. Brodskii, V. A. Lunenok-Bumakina. Dokl. AN SSSR 151 no. 6: 1358-1359 Ag '63.

ELECTRIC DRIVING

Kuvaeva, A. P. [Collection of course work calculation problems for a course on the principles of electric drives] Sbornik zadanii na kursovye raschetnye raboty po kursu osnovy elektroprivoda. Redaktor A. T. Golovan. Moskva, Mosk. energ. in-t, 1961. 122 p.

Bolchuk, L. M. [Contactless control systems of small automated electric drives] Beskontaktnye sistemy avtomatizirovannogo elektroprivoda malot moshchnosti. Kiev, Izd-vo Akad. nauk USSR, 1963. 50 p. (Spravochnaia serila po novoi tekhnike)

Contactless devices of electric drive control systems. N. P. Vasil'eva, A. L. Pisarev. Elektrichestvo no. 8: 13-17 Ag '63.

Design of electric drives for repeated short time mode of operation using the minimum installed capacity criterion. F. A. Gorshko. Elektrichestvo no. 9:70-73 S '63.

Operating conditions of the electric drive of a lightweight rope-haulage plowing unit [with summary in English]. Van Mao-khua [Wang Mao-hua]. Izv. TSKHA no. 2:173-178 '63.

Rectifier speed control system of an a.c. electric drive. Prom. energ. 18 no. 10:24-27 O '63.

ELECTRIC ENGINEERING

Poliakina, G. D. [Demonstrations in electrical engineering and radio engineering lectures] Demonstratsii na lektsiiakh po elektrotekhnike i radiotekhnike; posobie dlia pedagogicheskikh institutov. Pod red. N. N. Malova. Moskva, Uchpedgiz, 1963. 98 p.

Teleshev, B. A. [Electrical engineering] Elektrotekhnika, izd. 2., perer. i dop. Moskva, Gosenergoizdat, 1963. 512 p.

Volkovinskii, L. M. [Electrical engineering (alternating current)] Elektrotekhnika (peremennyi tok); uchebnoe posobie dlia uchashchikhsia elektrotekhnicheskikh spetsial'nostei. Moskva, Vses. zaochnyi tekhnikum zheleznodorozhnogo transporta, 1963. 211 p. (MICROFILM)

Klinov, V. E., and L. S. Shilapintokh. [Electrical engineering with principles of industrial electronics] Elektrotekhnika s osnovami promyshlennoi elektroniki. Moskva, Profizdat, 1963. 411 p.

Raputov, B. M. [Electrician of an ore-dressing plant] Elektrosleasar' obogatitel'noi fabriki. Moskva, Gosgortekhizdat, 1963. 227 p.

[Textbook on the theoretical principles of electrical engineering] Zadachnik po teoreticheskim osnovam elektrotekhniki. [By] L. A. Bessonov i dr. Moskva, Vses. zaochnyi energ. in-t, 1963. 212 p.

ELECTRIC ENGINEERING—ABSTRACTS

[Electrical engineering and electric power] Ref. zhur.: Elektrotekh. i energ. no. 10 O '63.

ELECTRIC ENGINEERING—BIBLIOGRAPHY see Bibliography—Electric engineering

ELECTRIC ENGINEERING—HANDBOOKS, MANUALS, ETC.

Glaz, A. I. [Manual for beginning electricians] Spravochnik molodogo elektrotekhnika. 5 dop. izd. Moskva, Profizdat, 1963. 302 p.

Prishchep, L. G. [Manual for rural electricians] Posobie dlia sel'skogo elektromontera. Moskva, Sel'khozizdat, 1963. 488 p. (Uchebniki, uchebnye posobiia dlia podgotovki sel'skokhoziaistvennykh kadrov massovoi kvalifikatsii)

ELECTRIC ENGINEERING—LABORATORY MANUALS

IAkovlev, M. N. [Laboratory work in electrical engineering] Laboratornye raboty po elektrotekhnike, uchebnoe posobie dlia studentov tekhnologicheskogo i tovarovedcheskogo fakul'tetov. Pod. red. L. K. IAkimova. Moskva, In-t nar. khoz. 1963. 108 p.

Andreev, A. S. [Laboratory work on the principles of electronics and communications engineering] Laboratornye raboty po osnovam elektroniki i tekhniki sviazi. Moskva, Sel'khozizdat, 1963. 129 p.

ELECTRIC ENGINEERING—MATERIALS

Use of plastics in the electric equipment industry. V. P. Ivashkevich, V. B. Kestel'man. Energ. i elektrotekh. prom., no. 3:76, Jl-S '63.

ELECTRIC ENGINEERING—SAFETY MEASURES

Two explosions. V. Voronin. Pozh. delo 9 no. 9:13 S '63.

ELECTRIC ENGINEERING—STUDY AND TEACHING

Chemical institutions of higher learning train technologists for the electronic industry. K. N. Belonogov, G. D. Shirokin. Vest. vys. shkoly 21 no. 9:20-21 S '63.

Essential measures for the improvement of student training in theoretical principles of electrical engineering. I. A. Bensonov. Elektrichestvo no. 8:83-85 Ag '63.

Let's train future-directed engineers. N. P. Bogoroditskii. Vest. vys. shkoly 21 no. 9:8-11 S '63.

ELECTRIC EQUIPMENT INDUSTRY see subdivision under Armenia, Kishinev; Leningrad, Moscow; Novgorod

ELECTRIC FENCES

Electric fences substitute for shepherds. D. Ivanov. Mekh. i elektr. 7 no. 8:22-24 Ag '63.

ELECTRIC FIELDS

Approximate method for the determination of an electric field in a uniform conducting media. A. S. Shuralov, A. A. Kulikov. Elektrichestvo no. 8:28-32 Ag '63.

Diffusion-electric theory of the Dorn effect. Part 3: Method for calculating the far-range electric field for large Peclet numbers [with summary in English]. S. S. Dukhin. Kolloid. zhur. 25 no. 5:524-532 S-O '63.

Intensification of heat transfer in electric fields. L. T. Akulov, V. A. Limov. Inzh.-fiz. zhur., 6 no. 8:125-132 Ag '63.

Simulation of H-type fields in waveguides using an induced current technique. V. A. Sedin, V. T. Vasil'ev. Radiotekh. i elektron., 8 no. 10:1743-1748 O '63.

ELECTRIC FILTERS

Effect of dissipation losses in a resonator on the form of the band filter frequency characteristic. S. Ish Kogan. Radiotekh. i elektron., 8 no. 10:1671-1677 O '63.

Increase in the upper range of working frequencies of electromechanical iterative filters. A. K. Lesov. Elektrosvyaz' 17 no. 9:28-33 S '63.

Transistorized smoothing filters with a cathode-follower circuit [with summary in English on p. 96]. N. I. Berlin, Z. I. TSukkerman, I. B. Shcherbinov. Tekh. kino i telev. 7 no. 9:93-10 S '63.

ELECTRIC FURNACES

Conference on smelting in vacuum arc and induction furnaces. A. A. Vertman. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2:173-174 Mr-Ap '63.

Increasing the strength of the crucible of an induction melting furnace. P. S. Mul'gin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:11-12 '63.

Large-capacity charge resistance furnaces. IA. V. Dashevskii. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:81-83 '63.

Lining the walls of 100-ton arc furnaces with magnesite brick and a spinel binding. V. A. Biron and others. Stal' 23 no. 6:510-523 Je '63.

Split power supply network with electron-tube generators for feeding high-frequency electric furnaces. V. P. Il'inov. Energetik 11 no. 8:28-30 Ag '63.

Temperature boundary in the fields of application of electric power and natural gas in heating processes using pyrometallurgical and electric resistance furnaces. A. S. Nekrasov, IU. V. Shilak. Obsluzh. energ. no. 6:83-88 '63.

Temperature boundary in the fields of application of electric power and natural gas in heating processes using pyrometallurgical furnaces and induction heating systems. IU. V. Shilak. Obsluzh. energ. no. 6:89-91 '63.

Unit for heating plastics by contact. E. I. Fedorova. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:23 '63.

ELECTRIC GENERATORS

Adjustment of a.c. generators. A. Krasovskii. Av. i kosm. 40 no. 9:60-61 S '63.

Causes for the failure of bearings on RADV136 diesel-generators. A. Gerasimov. Mor. flot 23 no. 10:30-31 O '63.

Skvortsov, N. P. [Electron-tube, ionic and mechanical high-frequency generators for electrothermy] Vysokochastotnye generatory dlia elektrotermii, lampovye, ionnye, mashinnye. Red. V. P. TSishevskii. Moskva, Mosk. energ. in-t, 1961. 118 p.

Method for calculating the flywheel mass of a diesel generator aggregate in independent rural electric power generators operating under sharp changes of loads [with summary in English]. G. I. Nazarov, A. S. Simonenko. Izv. TSKIGIA no. 2:155-165 '63.

More about a universal portable.... V. Nikolaev. Starsh.-serzh. no. 5:30-31 My '63.

Using a generator with a bypass diode to determine the thickness of the zinc covering of a steel wire. B. IA. Pogrebisov, I. I. Minenkov. Trudy NPI 137:37-46 '62.

ELECTRIC GENERATORS—BRAKES

Automatic control circuit for an electrodynamic brake of low-power generators. M. I. Falantaev. Za tekh. prog. 3 no. 3:12-14 Mr '63.

ELECTRIC HEATING

Choice of heat carriers for smelting and heating processes in machinery construction. V. S. Nekrasov, M. A. Kuriganova. Obsluzh. energ. no. 6:72-82 '63.

Skvortsov, N. P. [Electron-tube, ionic and mechanical high-frequency generators for electrothermy] Vysokochastotnye generatory dlia elektrotermii; lampovye, ionnye, mashinnye. Red. V. P. TSishevskii. Moskva, Mosk. energ. in-t, 1961. 118 p.

Heat screen with electric air heating. A. G. Nesterenko. Vest. sviazi 23 no. 9:8-9 S '63.

ELECTRIC INSTRUMENTS

Magnetoelectric recording instrument with a forward frame shift. M. I. Belyi. Izm. tekh. no. 5:36-37 My '63.

Semiautomatic device for the reading of ranges. L. S. Roginkin. Za indus. Biaz. no. 2:46-47 D '62.

What should an electrician's universal tool be like? S. S. Bedo. Prom. energ. 18 no. 9:20-22 S '63.

ELECTRIC INSULATORS AND INSULATION

Apparatus for insulation resistance control in sinking electric pumping installations. V. O. Kriehke. Neft. prom. delo no. 6:119-20 '63.

Korovlakovskii, I. G. [Electric insulating materials in the construction of high-voltage switches and current transformers] Elektroizolatsionnye materialy v konstruktsiiakh vykliuchatelei i transformatorov toka vysokogo napriazheniia. Moskva, Gosenergoizdat, 1963. 87 p.

Babikov, M. A. [Electrical apparatus] Elektricheskie apparaty. Moskva, Gosenergoizdat.
Pt. 3. [Electrical apparatus of high-voltage power systems] Elektricheskie apparaty elektroenergeticheskikh sistem vysokogo napriazheniia. 1963. 735 p.

Insulation of the connected bands. B. L. Babitskii and others. Put' i put. khoz. 7 no. 7:31 '63.

Peculiarities of the procedure for manufacturing rod insulators. A. P. Kuznitchenko. Stek. i ker. 20 no. 10:29-30 O '63.

ELECTRIC LAMPS see subdivision under Ryazan

ELECTRIC LAMPS, PORTABLE

Lantern with an attachment for charging the storage battery. Put' i put. khoz. 7 no. 7:32 '63.

ELECTRIC LIGHT FIXTURES

Electric lighting of hospital beds. E. B. Skoftel'. Svetotekhnika 9 no. 9:1-8 S '63.

Presently manufactured light fixtures with incandescent lamps and their principal characteristics. IU. B. Aizenberg, Z. A. Solntseva. Svetotekhnika 9 no. 9:27-32 S '63.

ELECTRIC LIGHTING

Determination of the power coefficient of lighting systems with DRL lamps. S. A. Kiluev, M. I. Gamova. Svetotekhnika 9 no. 9:25 S '63.

Kiluev, S. A., and V. N. Mikhailova. [Electrical lighting of buildings having no windows or skylights] Elektricheskoe osveshchenie besfonarnykh zdanii. Moskva, Gosenergoizdat, 1963. 62 p. (Biblioteka elektromontera, no. 97)

Information. Svetotekhnika 9 no. 9:32 S '63.

Through the pages of foreign magazines. Svetotekhnika 9 no. 9:26 S '63.

ELECTRIC LINES—COMMUNICATION SYSTEMS

Transmission of remote control signals using high-voltage distribution lines with zero-sequence network. B. V. Smirnov, V. P. Petrov. Elektrichestvo no. 8:27-33 S '63.

ELECTRIC LINES—OVERHEAD

Bolted strain clamps for overhead power transmission lines. M. M. Kaelanovich, S. V. Krylov, V. I. Frenkel'. Elek. sta. 34 no. 8:84-85 S '63.

Decision No. E-10/63 on the approval of "Instructions for work on operating 15 to 220 kv. overhead power transmission lines." Energetik 11 no. 9:25 S '63.

Device for locating self-rectifying damages on overhead power transmission lines. IU. D. Mel'nikov, I. B. Sokol. Energ. i elektrotekh. prom. no. 3:73-74 Jl-S '63.

Economic considerations in the use of expanded (extra-large diameter) wires in high-voltage power transmission lines. L. A. Syromiatnikov. Elektrichestvo no. 9:23-27 S '63.

Installation of tubular dischargers. F. V. Bezrukov, IU. P. Galkin, P. A. Iurkov. Energetik 11 no. 9:10-13 S '63.

Smarskii, A. A. [Manual for electricians and repairmen of a railroad communication district] Posobie dlia elektromekhanika i montera linejnogo okolotka sviazi. Moskva, Transzheldorizdat, 1963. 462 p.

networks with extensive use of prefabricated reinforced-concrete structures"] Sbornik materialov seminara. Moskva, Gosenergostroi, 1962. 151 p.

Number of insulators and insulator chains on a 35 to 110 kv. power transmission line. M. F. Ierusalimov, V. F. Markevich. Energ. i elektrotekh. prom. no. 3:74-75 Jl-S '63.

Use of a small fork lift truck in the servicing of a relay station. L. IA. Aizman, L. S. Belen'kii. Elek. sta. 34 no. 9:85-86 S '63.

ELECTRIC LINES—POLES AND TOWERS

Trofimov, V. I. [Study of stability and carrying strength of metal power transmission tower type structures] Issledovanie ustoichivosti i nesushchei sposobnosti metallicheskikh konstruktsii tipa opor linii elektroperedachi. Moskva, Gosenergoizdat, 1963. 319 p.

ELECTRIC LINES—REPAIRING

Investigating electromagnetic and electrostatic effects in repairing by phases without cutting off the phase by grounding in the working area. P. B. Rustam-Zade, B. N. Fganov. Za tekh. prog. 3 no. 9:12-15 S '63.

ELECTRIC LINES—WELDING

Cold welding of components. L. Landa. Energ. i elektrotekh. prom. no. 3:77-78 Jl-S '63.

ELECTRIC LOCOMOTIVES
(see also subdivision under Novocherkassk)

Practical recommendations concerning the ChS2 electric locomotive. IU. V. Sentiushkin, V. T. Rogov, G. A. Chilikin. Elek. i tepl. tiaga 7 no. 9:35 S '63.

Glebov, V. A. [Regulation of electrical machines and the traction characteristics of a diesel locomotive] Regulirovanie elektromashin i tiagovye kharakteristiki teplovoza, uchebnoe posobie po distsipline "Elektromashiny i elektrooborudovanie teplovozov" dlia studentov VI VI kursov spetsial'nosti "Teplovozy i teplovoznoe khoziaistvo." Moskva, Vses. zaochnyi in-t inzhenerov zhel.-dor. transporta, 1963. 33 p.

Simplified circuit for the signaling of short circuit control on VL60 electric locomotives. V. I. Pokromkin. Elek. i tepl. tiaga 7 no. 9:24 S '63.

Some observations concerning the design of a.c. locomotives. A. S. Fadeev, F. K. Choporov, D. D. Iazovskii. Elek. i tepl. tiaga 7 no. 9:13-14 S '63.

ELECTRIC LOCOMOTIVES—BRAKES

Pneumatic equipment of the series ChS2 electric locomotive. V. S. Konovalov, I. P. Fisenko. Elek. i tepl. tiaga 7 no. 9:41-43 S '63.

ELECTRIC LOCOMOTIVES—EQUIPMENT AND SUPPLIES

Using SVM-6M fans in electric locomotive construction. P. V. Zhuravlev, G. M. Vodianik. Trudy NPI 137:73-79 '62.

ELECTRIC LOCOMOTIVES—PNEUMATIC DRIVING

Diaphragm drives for the apparatus of the series VL8 electric locomotive. E. M. Amiragov, B. Z. Vainshtein. Elek. i tepl. tiaga 7 no. 9:9-10 S '63.

ELECTRIC LOCOMOTIVES—TESTING

Results of the testing of the industrial 20El electric locomotive. V. S. Potapov, V. I. Bakanov. Vest. TSNII MPS 22 no. 8:35-39 '63.

ELECTRIC LOCOMOTIVES—TRANSMISSION DEVICES

Kalikhovich, V. N. [Traction gearing of electric locomotives] Tiagovye zubchatye peredachi elektricheskikh locomotivov. Moskva, Transzheldorizdat, 1963. 67 p. (Bibliotechka mashinista elektrovoza)

ELECTRIC MACHINERY

Choice of the height of the collector plate. A. IA. Fish, IU. M. Tarnopol'skii. Vest. elektroprom. 34 no. 4:66-68 Ap '63.

Determination of optimum number of electromagnets for solenoid-type hammers. N. P. Riashentsev. Vest. elektroprom. 34 no. 4:68-71 Ap '63.

Experimental data on the use of electrical brushes with increased current density in a slide contact. P. S. Livshits. Elektrichestvo no. 8:73-76 Ag '63.

Measurement of the temperature of the armatures of electric machines using Hall e.m.f. transducers. I. N. Bogatenko. Energ. i elektrotekh. prom. no. 3:52-54 Jl-S '63.

Review of A. A. Iurgenson's book "Nitriding in the power machinery industry." V. B. Raitses, T. S. Shilkova, N. A. Voskobolnikova. Metalloved. i term. obr. met. no. 9:62-63 S '63.

Rewinding of an asynchronous motor to operation as an asynchronous frequency converter for supplying power to electric spindles. R. L. Rabkin. Prom. energ. 18 no. 9:18-19 S '63.

Shlygin, V. V. [Strength and dimensional calculations of electrical machines] Prochnostnye i razmernye raschety elektricheskikh mashin. Moskva, Gosenergoizdat, 1963. 319 p.

ELECTRIC MACHINERY—COOLING

Ligermas, L.I. [Ventilation of the electrical machines of industrial enterprises] Ventilitatsiia elektricheskikh mashin promyshlennykh predpriiatii Moskva, Gosenergoizdat, 1963 69 p. (Biblioteka elektromontera, no 96)

ELECTRIC MACHINERY—DIRECT CURRENT

Power losses in the steel of d c machines with large inductance values I S Mendeleev, S A Volokhov, L V Sverdlik Vest elektroprom 34 no 4 48-51 Ap '63

ELECTRIC MACHINERY—DRYING

Special features of the drying of very damp electrical machines. E.I Demchishin. Prom. energ. 18 no 10 33-34 O '63.

ELECTRIC MACHINERY—MAINTENANCE AND REPAIR

Gandin, V.G., and L.M. Fishman. [Equipment and devices for repairing electrical machines] Osnastka i pribory dlia remonta elektricheskikh mashin. Leningrad, Sudpromgiz, 1963 223 p.

ELECTRIC MACHINERY—WINDINGS

Experimental determination of the equivalent heat transmission coefficient of coil windings of electrical devices. M A Liubchik Energ i elektrotekh prom no. 3 15-19 Jl-S '63

ELECTRIC MACHINERY, SYNCHRONOUS

Forced excitation in synchronous machines. N. N. Nikiforovskii. Elektrichestvo no. 9:44-48 S '63

ELECTRIC MACHINERY, SYNCHRONOUS—DRYING

Drying of synchronous machines using single-phase commercial frequency current. I.D. Al'perovich. Prom. energ. 18 no. 10 30-33 O '63.

ELECTRIC MACHINERY—TESTING

New standards for electric machinery testing methods G.N. Petrov and others. Vest. elektroprom. 34 no. 4:39-44 Ap '63

ELECTRIC MACHINERY INDUSTRY see subdivision under Moscow

ELECTRIC MACHINES

Conference on electrostatic generators and accelerators of direct action. G.M. Osetinskii. Atom. energ. 15 no. 4:342-343 O '63.

ELECTRIC MEASUREMENTS

Adjustment of the power supply of a three-phase testing system. N. R. Polovenko. Energetik 11 no. 8:24-25 Ag '63.

Balancing of the measured vector quantity in comparing devices. L. F. Kulikovskii, B. IA. Likhtsinder. Izm. tekh. no. 5:31-34 My '63.

Control of the zero point during measurement with wire resistance transducers. V. A. Rikhter. Izm tekh no. 5:21-23 My '63.

Investigating gating phase-sensitive circuits. IU. V. Khomeniuk. Izm. tekh. no. 5:28-29 My '63.

Measurement of resistances by the method of "proportional division." V. I. Gorelov Izm. tekh no 5:43-44 My '63.

Measurement of the speed of relative motion. V. M. Shestopalov. Avtomatyka 8 no. 4:68-70 '63.

Mechanized processing of oscillograms. B. R. Krylov, A. L. Lezhnev. Prom. energ. 18 no. 9, 12-14 S '63.

Strausov, B. G. [Measurements in electrical and radio engineering] Elektricheskie i radiotekhnicheskie izmereniia. Moskva, Mosk. aviatsionnyi in-t.
No. 1. 1962. 69 p.
[MICROFILM]

Pulse-type, phase shift torque meter. V. S. Kuz'menko. Sudostroenie 29 no. 8:49-51 Ag '63.

Using electric measurement methods for determining the mechanical strength of polymers. V. V. Savarenskii. Plast. massy no. 10:59-61 '63.

ELECTRIC MEASUREMENTS—STANDARDS

[Electric measuring devices] Elektroizmeritel'nye pribory. Izdanie ofitsial'noe. Moskva, Standartgiz, 1963. 399 p. (SSSR. Gosudarstvennye standarty)

ELECTRIC METAL CUTTING

Electric spark machining of metals. G. V. Abashkin. Trudy Stud. nauch. ob-va LIEI no. 3:13-21 '59.

ELECTRIC METAL CUTTING—EQUIPMENT AND SUPPLIES

Standardizing cutters for the air-arc cutting of metals. I. S. Shapiro. Svar. proizv. no. 9:42-44 S '63.

ELECTRIC METERS

Device for measuring heavy direct currents. D. A. Bezukladnikov, V. P. Skuridin Izm. tekh. no. 5:35-36 My '63.

Ulukovich, A. M. [Electric meters; their theory, calculation and design] Elektricheskie schetchiki; i teoriia, raschet i konstruktsii. Moskva, Gosenergoizdat, 1963. 383 p.

ELECTRIC METERS—STANDARDS

[Electric measuring devices] Elektroizmeritel'nye pribory. Izdanie ofitsial'noe. Moskva, Standartgiz, 1963. 399 p. (SSSR. Gosudarstvennye standarty)

ELECTRIC METERS—TESTING

Use of special adapters in checking electric meters. V. E. Matvienko. Energetik 11 no. 8:33 Ag '63.

ELECTRIC MOTORS

A. c. and d. c. cam controllers. Prom. energ 18 no. 10 47 O '63.

Protection of electric motors. V A. Gol'strem. Energ. i elektrotekh prom no 3 34-37 Jl-S '63

Single-phase motors with condenser start without a start winding A I Adamenko Energ i elektrotekh prom no 3 7-10 Jl-S '63

ELECTRIC MOTORS—COOLING

Study of the operation of axial fans in the cooling system of high-speed PS motors A I Rolik, A E Koshvanets, A I IAkovlev Energ. i elektrotekh prom no 3 38-42 Jl-S '63.

ELECTRIC MOTORS—NOISE

Noise of electric motors and means for its damping. N. I. Markes. Mashinostroitel' no. 8:38-39 Ag '63.

ELECTRIC MOTORS—STARTING DEVICES

The AP 50-3MT automatic switchgear. B. B. Volovyk. Mekh. sil'. hosp. 14 no. 5:29-30 My '63.

ELECTRIC MOTORS—TESTING

Mechanized processing of oscillograms. B. R. Krylov, A. L. Lezhnev. Prom energ. 18 no. 9:12-14 S '63.

Stand for testing electric motors. B. V. Grinberg. Prom. energ. 18 no. 10:28-30 O '63.

ELECTRIC MOTORS, ALTERNATING CURRENT

Rectifier speed control system of an a. c. electric drive. Prom. energ. 18 no. 10 24-27 O '63.

ELECTRIC MOTORS, DIRECT CURRENT

Application of the principle of the maximum in the calculation of optimum control of d. c. motors with independent excitation. V. A. Sviatoslavskii. Elektrichestvo no. 9:10-15 S '63.

Petrov, IU. P. [Calculation of transient processes of d. c. motors using universal diagrams in semilitude criteria] Raschet perekhodnykh protsessov elektrodvigatelei postoiannogo toka s pomoshch'iu universal'nykh diagramm v kriteriiakh podobiia. Moskva, Gosenergoizdat, 1963. 61 p.

Commutational stability factor of d c motors. A E. Alekseev, V. A Kozhevnikov. Vest elektroprom. 34 no. 4 41-47 Ap '63

Determination of the maximum angular velocity of the armature of a d c. motor with change in magnetic flux. D. N. Vinnikov. Vest. elektroprom. 34 no. 4:51-54 Ap '63.

Some problems concerning the use of self-saturating magnetic amplifiers for controlling d. c. drives. M. A. Botarchenkov. Elektrichestvo no. 8:46-52 Ag '63.

Some special features in the regulation of d c machines using separate feed of excitation windings I S Mendeleev. Energ. i elektrotekh prom no. 3 13-16 Jl-S '63

ELECTRIC MOTORS, INDUCTION

Choice of the power rating of an asynchronous motor with choke saturation in the stator circuit used in driving machines with repeated short time mode of operations. M. M. Sokolov. Elektrichestvo no. 9:60-63 S '63

Design and testing of disk-type asynchronous motors B A Nikitin Energ. i elektrotekh. prom no 3 10-13 Jl-S '63.

Optimum value of magnetic permeability of a solid rotor of an asynchronous motor. V. S. Mogil'nikov. Elektrichestvo no. 42-46 Ag '63.

Study of an asynchronous motor in a self-oscillatory mode of operation [with summary in English]. V. I. Antyponko. Avtomatyka 8 no. 4:51-62 '63.

Study of the start of an asynchronous motor with saturable reactors in the rotor circuit shunted by a resistor. E. F. Kusov. Mekh. i avtom. v gor. prom. no. 3:173-179 '63.

ELECTRIC MOTORS, SYNCHRONOUS

Addition to the start network of a synchronous motor. A. I. Filippov. Energetik 11 no. 9:17-18 S '63.

Automatic excitation control systems of synchronous motors. I. A. Syromiatnikov. Prom. energ. 18 no. 10:27-28 O '63.

Study of the self-start of synchronous motors using an analog computer. V. I. Ogurtsov. Elektrichestvo no. 9:63-66 S '63.

ELECTRIC NETWORKS

Calculation of complex nonsymmetrical operating conditions in electrical systems using a d. c. network analyzer. L. M. Vainshtein, N. A. Mel'nikov Elektrichestvo no. 9:37-43 S '63.

Determination of circuit parameters in the simulation of electromagnetic elements. IU. A. Bortsov, G. V. Suvorov. Elektrichestvo no. 8:26-28 Ag '63.

Determination of the reaction of a complex circuit using the reaction of a simple circuit. A. A. Rizkin. Elektrichestvo no. 9:89-90 S '63.

Effect of the type of motor load in pumping machines power losses in oil-field electric networks. K. N. Kulizade, I. E. Khaikin. Za tekh. prog. 3 no. 9:15-18 S '63.

Method for calculating shunting resistance of the arc-quenching systems of low-voltage a. c. control apparatus. V. I. Spiridonov. Elektrichestvo no. 8:32-37 Ag '63.

Method for synthesizing circuits with magnetic logic elements [with summary in English]. V. S Podlypenskyi. Avtomatyka 8 no. 4.33-44 '63.

Method for the synthesis of RC networks. G. L. Kharanov. Elektrosviaz' 17 no. 9:34-42 S '63.

Bessmertnyi, I. S. [Schematics of municipal electric-power distribution networks] Skhemy gorodskikh elektricheskikh setei, posobie dlia proektirovaniia gorodskikh elektricheskikh setei pri ikh avtomatizatsii. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963 202 p.

Rozanov, M. N. [Stability of electrical systems] Ustoichivost' elektricheskikh sistem; lektsii Moskva, Vses zaochnyi energ in-t.
No. 2 1963. 94 p.
[MICROFILM]

Tabulation of transient processes in electric networks synthesized on the basis of Bessel's polynomials. A. A. Lanne. Elektrosviaz' 17 no. 9:13-54 S '63.

Voltages in control networks. S. I. Ogorodnov. Prom. energ. 18 no. 9 17-18 S '63.

ELECTRIC NETWORKS—MATHEMATICAL MODELS

Seminar po metodam matematicheskogo modelirovaniia i teorii elektricheskikh tsepei. [Mathematical modeling and electrical networks] Matematicheskoe modelirovanie i elektricheskie tsepi, trudy. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR.
No. 1. 1963. 244 p.

ELECTRIC OSCILLATORS see Oscillators, Electric

ELECTRIC POWER
(see also subdivision under Azerbaijan; United States)

Conference on the saving of electric and thermal energy. M. V. Pantaleev. Prom. energ. 18 no 10 43-44 O '63.

Correlation between the abundance of electrical equipment and labor productivity in the U. S. S. R. and the U. S. A. I. N. Bessonova, IU. V. Sinlak. Obshch. energ. no 6:68-71 '63.

[Electric power production and utilization in foreign countries; supplement to the periodical "Elektricheskie stantsii"] Energokhoz. za rub. no. 5 S-O '63.

Estimated cost of electric power. V. V. Ershevich. Energ. i elektrotekh. prom. no. 3 51-58 Jl-S '63.

[Power construction in foreign countries; supplement to the periodical "Energeticheskoe stroitel'stvo"] Energ. stroi. za rub. no. 14 '63.

Principal mathematical formulation of a problem concerning the choice of an efficient power distribution system and optimum alternative for the distribution of power resources. A. G. Zakharin, V. P. Brailov, V. I. Denisov. Obshch. energ. no. 6:14-23 '63.

Seminar on the efficient use of electric power in metal rolling. L. Z. Khmel'nitskii. Prom. energ. 18 no. 9: 46-47 S '63.

Unit expenditure of electric power in hot rolling of strips using an 810 semicontinuous rolling mill. P. F. Zasukha, V. P. Volegov. Prom. energ. 18 no. 10 5-8 O '63.

We should strive for the maximum economy of electric power. Prom. energ. 18 no. 10 2-4 O '63.

ELECTRIC POWER—ABSTRACTS

[Electrical engineering and electric power] Ref. zhur.: Elektrotekh. i energ. no. 10 O '63.

ELECTRIC POWER DISTRIBUTION
(see also subdivision under Europe, Eastern)

Automatic compensation of expected voltage drop in a transmission line with switching-in of large loads. N N. Blinov, D. I. Bogdanov Vest elektroprom. 34 no 4 54-59 Ap '63.

Automatic frequency regulation with composite distribution of active loads between all stations of the electric power system R. D. TSiptsiura Energ i elektrotekh prom no 3 3-6 Jl-S '63.

Automatic voltage regulation in electric power distribution networks. Elek. sta. 34 no. 9:2 S '63.

Automatic voltage regulation in the feed centers of power distribution networks. I. N. Aleksandrov, V. G. Pekelis. Elek. sta. 34 no. 9:31-34 S '63.

Calculation and consideration of the indeterminacy of initial data on a problem of optimization of a power distribution system. V. P. Brailov. Obshch. energ. no. 6:24-29 '63.

Budzko, I. A., ed. [Calculation of rural electric power distribution networks with voltage regulation] Raschet sel'skikh elektricheskikh setei s regulirovaniem napriazheniia. [By] I. A. Budzko i dr. Moskva, MSKh RSFSR, 1963. 108 p.

Calculation of time delay and matching according to the selectivity of overcurrent protection systems with a limited dependent characteristic. V. I. D'iachenko. Energetik 11 no. 8:21-24 Ag '63.

Cause of the disconnection of a 110-220 kv. power transmission line. B. M. Rubov. Elek. sta. 34 no. 9, 83-84 S '63.

[illegible] 43-47 S '63.

[illegible] electric power distribution networks. K. F. Rel'tov. Elektrichestvo no. 8:1-7 Ag '63.

[illegible] 34 no. 8:67-69 S '63.

[illegible] 34 no. 8:61-66 S '63.

[illegible] Elektrichestvo no. 9:77-80 S '63.

Transmission of electric power at long distances. Prospects of stepping-up the voltages of overhead power transmission lines. V. V. Bolotov and others. Elektrichestvo no. 9:77-80 S '63.

Use of deep entrances with 35/10/6 and 110/10/6 kv. transformers. Prom. energ. 18 no. 9:22-23 S '63.

ELECTRIC POWER DISTRIBUTION—COMMUNICATION SYSTEMS

Experience in operating TsRS-2 and ARS-2 transmitter-receivers in an electric power distribution system. A. G. Liutikov. Energetik 11 no. 8:7-10 Ag '63.

ELECTRIC POWER DISTRIBUTION—SAFETY REGULATIONS

Additions and changes in "Safety engineering regulations for operating overhead power transmission lines with voltages exceeding 1,000 volts." Energetik 11 no. 8:41-42 Ag '63.

Changes and additions to "Safety engineering regulations for operating overhead power distribution lines with voltages exceeding 1,000 volts." Elek. sta. 34 no. 8:90 S '63.

Changes in "Safety engineering regulations for servicing electrical systems of power plants, substations, municipal electric power distribution networks, and overhead power transmission lines with voltages in excess of 1,000 volts." Elek. sta. 34 no. 9:91 S '63.

ELECTRIC POWER PLANTS
(see also subdivision under New York, Ryazan, Siberia; United States)

Automatic control in large power generating blocks. V. D. Pivent, V. K. Glukhov, V. K. Bogdanov. Energomashinostroenie 9 no. 9:1-3 S '63.

Commutation network of large thermal electric power plants with consolidated blocks. D. I. Zil'berman. Elek. sta. 34 no. 9:47-50 S '63.

Consideration of the character-istics of boiler units in the distribution of active loads between electric power plants. F. T. Markovskii, G. F. Sellavin. Energ. i elektrotekh. prom. no. 3:65-69 Jl-S '63.

Construction of an industrial signaling system. N. D. Kudriavtseva, A. P. Strukov. Energetik 11 no. 8:30-32 Ag '63.

Akol'zin, P. A., and V. V. Gerasimov. [Corrosion of the structural materials of nuclear and thermal electric-power plants] Korroziia konstruktsionnykh materialov iadernykh i teplovykh energeticheskikh ustanovok. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 375 p.

Vilenskii, T. V. [Design and construction of ash removal systems in electric power plants] Proektirovanie i raschet sistem zoloudaleniia na elektrostantsiiakh. Red. B. M. Mitrofanov. Moskva, Mosk. energ. in-t, 1961. 110 p.

Determination of fuel expenditures in the comparison of power system alternatives with different types of electric power plants. B. I. Nikitin, L. I. Levishcheva, N. S. Sharashkina. Obshch. energ. no. 6:39-57 '63.

Experience in increasing the power of a thermal electric power plant. A. F. Dvornikov. Energetik 11 no. 8:21 Ag '63.

Improvement of transport and combustion of Bashkirian coal. A. S. Bokov. Energetik 11 no. 8:35-38 Ag '63.

In brief about new developments. Prom. energ. 18 no. 9:51-52 S '63.

Moscow. Vsesoiuznyi institut po proektirovaniiu organizatsii energeticheskogo stroitel'stva "Orgenergostroi." [Norms for the expenditure of metal and pipe in the manufacture of nonstandard heat equipment and low-pressure pipelines for thermal electric power plants] Normy raskhoda prokata i trub na izgotovlenie nestandartnogo teplomekhanicheskogo oborudovaniia i truboprovodov nizkogo davleniia dlia teplovykh elektrostantsii. Utverzhdeny Tekhnicheskim upravleniem Ministerstva stroitel'stva elektrostantsii (Reshenie No. 167 ot 31 iiulia 1961 g.). Moskva, "Orgenergostroi" 1962. 230 p.

Preparation for fall and winter season peak power loads. Energetik 11 no. 8:1-3 Ag '63.

Principal features of the equipment of [illegible] S. B. Losinak, A. I. Polukhin. [illegible] '63.

Testing of hammer mills with centrifu[illegible] V. D. Lavigmont, N. A. Shchurbakov. [illegible] prom. no. 3:63-64 Jl-S '63.

ELECTRIC POWER PLANTS—DESIGN AND CONSTRUCTION
(see also subdivision under Kazakhstan)

Organizing the construction of a new [illegible] electric power plant of standard design. Prom. stroi. 40 [i.e. 41] no. 7:10-11

Standard design for the main body of [illegible] power plants. Ш. В. Ioffe. Prom. str. no. 7:1-8 Jl '63.

ELECTRIC POWER PLANTS—ELECTRICAL EQUIPMENT

Adjustment of the power supply of a [illegible] system. N. R. Polovenko. Energetik 11 no. 8:13-14 Ag '63.

Vasil'ev, A. A., M. N. Okolovich, and A. [illegible] [Manual for a laboratory course on "Operation of electric power plants"] Rukovodstvo k laboratornym rabotam po kursu "Ekspluatatsiia elektrostantsii." Red. I. P. Kriuchkov. Moskva, Mosk. [illegible] 86 p.

ELECTRIC POWER PLANTS—EQUIPMENT AND SUPPLIES

Operation of the STS-10 feed pumps with [illegible] ture exceeding 150° C. A. F. Dvornikov. [illegible] no. 9:13-14 S '63.

ELECTRIC POWER PLANTS—WATER SUPPLY

Methods for calculating the structural [illegible] of the water feed systems of electric [illegible] V. G. Zhilin. Elek. sta. 34 no. 8:50 [illegible]

Protection from corrosion of the condensate [illegible] systems. B. M. Stolbarov. Energetik 11 [illegible] '63.

ELECTRIC POWER PRODUCTION [illegible] Dzerzhinsk (Gorkiy Province)

ELECTRIC POWER SUPPLY TO APPARATUS

Split power supply network with electronic [illegible] for feeding high-frequency electric furnaces. [illegible] Eliseev. Energetik 11 no. 8:28-30 Ag '63.

ELECTRIC PROSPECTING
(see also subdivision under Azerbaijan, Ural Mountains)

Chart for the interpretation of frequency [illegible] Vanian, G. M. Morozova. Geol. i geofiz. [illegible] '63.

Determination of the resistance of the low-resistance zon based on data obtained in electric [illegible] ments of varying thickness. B. I. Bublikov [illegible] i geofiz. no. 4:109-115 '63.

Device for converting a U_{sp} curve into a curve of polarization potentials. L. A. Nelunov. [illegible] MINKHiGP no. 41:173-177 '63.

Graphs for three-electrode electric probing [illegible] of limited thickness. E. A. Nelunov. [illegible] no. 41:128-158 '63.

[Akubovskii, Iu. V. [Inductive methods of electric prospecting] Indukitivnye metody elektrorazvedki. Moskva, Gosgeoltekhizdat, 1963. 210 p.

Integral characteristics of transient processes in electric prospecting. Iu. V. Khomentiuk. Izv. [illegible] geofiz. no. 9:1377-1380 S '63.

Layout of a seven-electrode shielded probe for [illegible] strand cable with a grounded control of the [illegible] of shielded electrodes. A. L. Surkisov, I. [illegible] Trudy MINKHiGP no. 41:176-181 '63.

Means of interpreting electric sounding. V. [illegible] Prikl. geofiz. no. 37:102-108 '63.

Possibility of the study of the submarine [illegible] karstic waters by electric logging. I. A. [illegible] Nov. kar. i spel. no. 3:62-65 '63.

Study of the frequency and temperature relati[illegible] the dielectric constant of minerals and [illegible] Veremiev, Iu. I. Protasov. Nauch. soob. [illegible] 122 '63.

Using induction airborne electric prospecting [illegible] mine the function of the distribution of the [illegible] electric conductivity of a horizontally layered [illegible] Iu. B. Shaub. Izv. AN SSSR, Ser. geofiz. [illegible] 1376 S '63.

ELECTRIC PROTECTION

Arc travel in ring shaped clearances of spark gaps [illegible] magnetic valve dischargers. A. I. Bronfman. [illegible] cheatvo no. 8:58-62 Ag '63.

Calculation of time delay and matching according [illegible] selectivity of overcurrent protection systems [illegible] limited dependent characteristic. V. I. D'iakov. Energetik 11 no. 8:21-24 Ag '63.

Installation of tubular dischargers. F. V. Bezrukov, Iu. P. Gaikin, P. A. Iurikov. Energetik 11 [illegible] S '63.

Wrong choice of fuses. M. M. Ellis. Energetik 11 [illegible] 20 S '63.

Zero-sequence current transformers for operating bus systems. Energetik 11 no. 8:17 Ag '63.

ELECTRIC RAILROADS—CARS

Strength of the body of electric train cars, S. V. Vorshinskii, B. A. Meisner, E. P. Zakharov. Vest. TSNII MPS 22 no. 6:19-21 '63.

ELECTRIC RAILROADS—CROSSINGS

Rearrangement of the supporting elements of a reinforced concrete overpass. F. G. Karmanov. Put' i put. khoz. 7 no. 7 25-26 '63.

ELECTRIC RAILROADS—CURRENT SUPPLY

Determining the magnitude of transient currents in the contact network of single-phase railroads. E. K. Petrov. Vest. TSNII MPS 22 no. 6, 25-28 '63.

Razumov, L. D. [Protection of municipal telephone lines of intraregional telephone and wire broadcasting networks from electric current leakages of a. c. railroads] Zashchita linii gorodskikh telefonnykh setei, vnutrisoiuznoi sviazi i provodnogo veshchaniia ot vliianiia elektricheskikh zheleznykh dorog peremennogo toka, Moskva, Sviaz'izdat, 1963. 75 p. (Lektsii po tekhnike sviazi)

Transfer parameters of an electric transport contact network at frequencies up to 150 kc. A. A. Il'in. Elektrosviaz' 17 no. 9:55-62 S '63.

ELECTRIC RAILROADS—MAINTENANCE AND REPAIR

Independent automatic repeater switch-on of the sectionalization station. V. A. Savchenko. Elek. i tepl. tiaga 7 no. 9 29-30 S '63.

ELECTRIC RAILROADS—ROLLING STOCK

Medel', V. B. [Design of the mechanical part of electric rolling stock] Proektirovanie mekhanicheskoi chasti elektropodvizhnogo sostava. Moskva, Transzheldorizdat, 1963. 422 p.

ELECTRIC RAILROADS—SUBSTATIONS

Experimental investigation of the current drain circuit of a. c. traction substations. R. N. Karlakin, V. N. Pupynin, G. S. Kuznetsova. Vest. TSNII MPS 22 no. 6: 22-25 '63.

Musatov, T. P. [Operation of substations containing remote control systems] Eksploatatsiia telemekhanizirovannykh podstantsii, opyt "Donbassenergo." Kiev, Gostekhizdat USSR, 1963. 22 p. (Obmen peredovym opytom)

Suggestions deriving from the experience in the operation of rectifying junction systems for a. c. and d. c. currents. K. I. Skobelev, V. P. Kruchinin. Elek. i tepl. tiaga 7 no. 9:17-19 S '63.

ELECTRIC RAILROADS—SWITCHES

Modernized rapid-action switch-off for d. c. trains. V. D. Radchenko, A. V. Fanfonov, V. P. Dorosh. Elek. i tepl. tiaga 7 no. 9:19-21 S '63.

ELECTRIC RAILROADS—WIRES AND WIRING

Cold welding of contact wires; mobile unit. N. N. Pankratov. Elek. i tepl. tiaga 7 no. 9:11-12 S '63.

Transfer parameters of an electric transport contact network at frequencies up to 150 kc. A. A. Il'in. Elektrosviaz' 17 no. 9:55-62 S '63.

ELECTRIC RAILWAY MOTORS

Advantages of the independent excitation of traction engines. IU. P. Petrov. Zhel. dor. transp. 45 no. 5:50-51 My '63.

Glebov, V. A. [Regulation of electrical machines and the traction characteristics of a diesel locomotive] Regulirovanie elektromashin i tiagovye kharakteristiki teplovoza; uchebnoe posobie po distsipline "Elektromashiny i elektrooborudovanie teplovozov" dlia studentov V i VI kursov spetsial'nosti "Teplovozy i teplovoznoe khoziaistvo." Moskva, Vses. zaochnyi in-t inzhenerov zhel-dor. transporta, 1963. 33 p.

ELECTRIC RAILWAY MOTORS—MAINTENANCE AND REPAIR

Building-up of the armature shafts of NB-406B engines. N. A. Babkov. Elek. i tepl. tiaga 7 no. 9, 26 S '63.

ELECTRIC RAILWAY MOTORS—TESTING

Testing of armatures with circuit winding for turn-to-turn short circuit. A. E. Skliarov, O. N. Topalov. Elek. i tepl. tiaga 7 no. 9:21-22 S '63.

ELECTRIC REACTORS

Design, manufacture, and operation of dry current limiting reactors with ratings up to 35 kv. V. G. Sternin. Elek. sta. 34 no. 9 91-95 S '63.

ELECTRIC RELAYS

Design of electromagnetic relays with a three-leg core magnetic system. D. M. Zeitser. Vest. TSNII MPS 22 no. 6:53-60 '63.

Lipman, R. A. [Transistorized relays] Poluprovodnikovye rele. Moskva, Gosenergoizdat, 1963. 95 p. (Biblioteka po avtomatike, no. 81)

ELECTRIC RELAYS—TESTING

Testing the KZDSh-58 relay. A. B. Fadeev. Gor. zhur. no. 9:66 S '63.

ELECTRIC RESONATORS

Open resonators with spherical mirrors [with summary in English]. L. A. Vainshtein. Zhur. eksp. i teor. fiz. 45 no. 3:684-697 S '63.

ELECTRIC RHEOSTATS

Design of a metal rheostat for a two-motor drive of a hoist. A. I. Hlukhin, A. I. Artemov. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 8 174-179 '63.

Design of a water-filled rheostat. A. Kh. Shteingauz. Prom. energ. 18 no. 9:55-56 S '63.

ELECTRIC SUBSTATIONS

Change of the standard network of the d. c. control board of a substation. V. G. Ivkin. Energetik 11 no. 8 31 Ag '63.

Experience in the operation of an automatic voltage regulation system. I. I. Zabezhanskii, N. V. Chernobrovov. Elek. sta. 34 no. 9:23-25 S '63.

Precast reinforced concrete foundation for the KTP-56 transformer station. M. Kondrat'ev. Tekh. v sel'khoz. 23 no. 3:31-32 Mr '63.

Principles of the construction and adjustment of automatic voltage regulating systems. IA. D. Barkan. Elek. sta. 34 no. 9:8-16 S '63.

Remote control of the converter systems of M-85 electric filters. V. E. Mineev. Prom. energ. 18 no. 9 14-16 S '63.

Start of converter substations with mercury-arc rectifiers without sorting and forming of the rectifiers. E. I. Epshtein and others. Prom. energ. 18 no. 9:32-35 S '63.

Wrong choice of fuses. M. M. Ellis. Energetik 11 no. 9: 20 S '63.

ELECTRIC SWITCHGEAR

The AP 50-3MT automatic switchgear. B. B. Volovyk. Mekh. stil'. hosp. 14 no. 5:29-30 My '63.

Koroviakovskii, I. G. [Electric insulating materials in the construction of high-voltage switches and current transformers] Elektroizoliatsionnye materialy v konstruktsiiakh vykliuchatelei i transformatorov toka vysokogo napriazhenila. Moskva, Gosenergoizdat, 1963. 87 p.

Babikov, M. A. [Electrical apparatus] Elektricheskie apparaty. Moskva, Gosenergoizdat.
Pt. 3. [Electrical apparatus of high-voltage power systems] Elektricheskie apparaty elektroenergeticheskikh sistem vysokogo napriazhenila 1963. 735 p.

Engineering and economic comparison of the use of 110 kv. oil-filled switches and air switches. A. B. Krikunchik, P. V. Kuznetsov. Elek. sta. 34 no. 9 77-78 S '63.

Independent automatic repeater switch-on of the sectionalization station. V. A. Savchenko. Elek. i tepl. tiaga 7 no. 9, 29-30 S '63.

Knife switches and switchgear for currents up to 5,000 amperes. Vest. elektroprom. 34 no. 4:72-76 Ap '63.

Noncontact ferromagnetic track switch. M. I. Belyi. Stan. i instr. 34 no. 8:31 Ag '63.

Rectifying system using germanium power rectifiers for oil-filled switch drives. B. A. Getselev. Energetik 11 no. 9:16-17 S '63.

ELECTRIC TRANSFORMERS

Calculation of leakage fields of electric transformers. I. S. Naiashkov, V. V. Karasev. Vest. elektroprom. 34 no. 4:8-13 Ap '63.

Calculation of losses in the yoke beams of power transformers. N. V. Boriu. Vest. elektroprom. 34 no. 4:13-16 Ap '63.

Choice of short-circuit voltage for electric transformers. K. K. Balnshov. Vest. elektroprom. 34 no 4:20-21 Ap '63.

Current objectives of the Russian electric transformer industry. G. N. Petrov. Vest. elektroprom. 34 no. 4:1-3 Ap '63.

Koroviakovskii, I. G. [Electric insulating materials in the construction of high-voltage switches and current transformers] Elektroizoliatsionnye materialy v konstruktsiiakh vykliuchatelei i transformatorov toka vysokogo napriazhenila. Moskva, Gosenergoizdat, 1963. 87 p.

Babikov, M. A. [Electrical apparatus] Elektricheskie apparaty. Moskva, Gosenergoizdat.
Pt. 3. [Electrical apparatus of high-voltage power systems] Elektricheskie apparaty elektroenergeticheskikh sistem vysokogo napriazhenila 1963. 735 p.

Improvement of transformers. V. P. Blokhin. Put' i put. khoz. 7 no. 7:12 '63.

New series of distribution transformers with 160 - 630 kv.-a power rating. V. V. Alekseevskii, V. M. Karapetian, E. B. Grigorian. Vest. elektroprom. 34 no. 4:26-28 Ap '63.

Atabekov, V. B. [Power transformers] Silovye transformatory. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 91 p.

Simulation of the forced magnetization of the core of a transformer operating with a rectifier load. N. S. Lazarev, A. Kh. Mamaurov, V. V. Khudiakov. Vest. elektroprom. 34 no. 4:26-31 Ap '63.

Standardization and use of large autotransformers. IU. B. Borodulin. Vest. elektroprom. 34 no. 4:3-8 Ap '63.

Stray inductance of the windings of transformers with voltage regulation. M. A. Murakhovskaia. Vest. elektroprom. 34 no. 4:16-20 Ap '63.

Testing of the heating of transformers feeding six-phase rectifiers. E. A. Man'kin. Vest. elektroprom. 34 no. 4:31-32 Ap '63.

Use of deep entrances with 35/10/6 and 110/10/6 kv. transformers. Prom. energ. 18 no. 9 22-23 S '63.

Use of electric transformers with a pyranol filling. M. I. Shakhnovich. Prom. energ. 18 no. 10 45-46 O '63.

Voltage regulation in large autotransformers. I. L. Medovoi, A. P. Smagin. Elektrichestvo no. 9:90-91 S '63.

Dymkov, A. M. [Voltage transformers] Transformatory napriazheniia. Moskva, Gosenergoizdat, 1963. 191 p. (Transformatory, no. 10)

Zero-sequence current transformers for operation in bus systems. Energetik 11 no. 8:47 Ag '63.

ELECTRIC TRANSFORMERS—COOLING

Krasil'nikov, G. A. [Oil and water cooling of the transformers of the V. I. Lenin Volga Hydroelectric Power Station] Masliano-vodianoe okhlazhdenie transformatorov Volzhskoi TES imeni V. I. Lenina. Moskva, Gos. energ. izd-vo, 1960. 46 p.

ELECTRIC TRANSFORMERS—TESTING

Detection of faults in an electric transformer using the results of a short-circuit test. A. K. Ashriatov. Vest. elektroprom. 34 no. 4:79-80 Ap '63.

Alekseenko, G. V., A. K. Ashriatov, and E. S. Frid. [Testing of high-voltage power transformers and autotransformers] Ispytaniia vysokovol'tnykh i moshchnykh transformatorov i avtotransformatorov. Moskva, Gosenergoizdat.
Pt. 1. 1962. 671 p. (Transformatory, no. 8)

ELECTRIC WELDING

Automatic line for welding wheels of the GAZ-51 motor-truck. M. B. Zalevskaia. Trudy Stud. nauch. ob-va LIEI no. 3:76-80 '59.

Effect of the conditions of build-up welding with a twisting arc on the strength of parts. D. Bitsadze, I. Ul'man. Tekh. v sel'khoz. 23 no. 2:67-69 F '63.

Kinetics of metal transfer in an argon welding arc. G. B. Serdiuk, V. P. Chernysh. Svar. proizv. no. 9:1-3 S '63.

Mechanism of the periodical closing of the arc gap and the stability of welding with a short arc. IU. L. Ishchenko, N. G. Dmitgerov. Svar. proizv. no. 9:10-13 S '63.

Power reasons in the selection of resistance flash welding of large-diameter pipe. V. S. Lifshits. Svar. proizv. no. 9 13-16 S '63.

Semiautomatic welding in a water vapor atmosphere. S. D. Golushko. Svar. proizv. no. 9:36 S '63.

Spot welding of ties for the fastening of lumber. A. I. Kuzin. Avtom. svar. 16 no. 9 83-85 S '63.

Ventilating pressure vessels during electric welding operations. I. S. Shasunov. Svar. proizv. no. 9:39-42 S '63.

ELECTRIC WELDING—EQUIPMENT AND SUPPLIES

Dynamic properties of current sources for welding in carbon dioxide. A. G. Potapievskii, V. F. Laprinskii. Avtom. svar. 16 no. 9:42-46 S '63.

Mechanized welding in the repair of automobile assemblages. G. N. Sarkhoshian, M. IA. Gal'perin. Svar. proizv. no. 9:29-32 S '63.

Mobile FP-1 flux pad for the welding of longitudinal cylindrical shell joints. M. D. Litvinchuk, P. P. Leposhkin, S. S. Savenko. Avtom. svar. 16 no. 9, 92 S '63.

New electric welding equipment. L. G. Gromyko. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:47-50 '63.

Welding current regulator for resistance welders. IU. N. Lankin. Avtom. svar. 16 no. 9:47-52 S '63.

ELECTRIC WIRING

Protection of electric entrances in buildings. M. R. Naifel'd. Energetik 11 no. 9:26 S '63.

Gorskii, V. V. [What an electrician should know about electric equipment installation operations] Chto nuzhno znat' elektromontazhniku pri elektromontazhnykh rabotakh. Moskva, Gosenergoizdat, 1963. 60 p. (Biblioteka elektromontera, no. 100)

ELECTRICITY, INJURIES FROM
(see also subdivision under United States)

Concerning M. R. Naifel'd's article "Pressing problems in the prevention of injuries from electricity." L. B. Spevak, S. I. Fershter. Prom. energ. 18 no. 9, 54-55 S '63.

Investigation of injuries from electricity. V. E. Manoilov, M. S. Glazenap, IU. K. Tenter. Prom. energ. 18 no. 9: 7-11 S '63.

Nonfatal trauma caused by a high-tension current. IU. M. Kitaev. Sud.-med. ekspert. 6 no. 3:53-55 Jl-S '63.

Posterior dislocation of the shoulder combined with fracture of the anatomical neck in electrical trauma. E. T. Skliarenko. Ortop., travm. i protez. no. 1:65-67 '63.

ELECTRICITY IN AGRICULTURE

Electric power in agricultural production. A. M. Musin. Elektrichestvo no. 8:7-12 Ag '63.

Bychkova, N. V. [Legal problems in the supply of electric power to agriculture] Pravovyi pytannia postachannia elektroenergii sil's'komu hospodarstvu. Kyiv, Vydvo Akad. nauk URSR, 1963. 96 p.

ELECTRICITY PURIFYING
(see also subdivision under Kuznetsk Basin)

[Name illegible] and A. F. Pankratov. [The coal industry of Kuznetsk Basin] Ugol' Kuzbassa i perspektivy ego razvitiia. Vol. 4. Pt. 1. [Electric supply, communication, signalization, and electrification] Elektrosnabzhenie, sviaz', signalizatsiia i elektrifikatsiia. Otv. redaktory toma [illegible]. Moskva, Nedra, 1963. 314 p.

[Name illegible] and others. [Automatic control of electric power supply] Avtomaticheskoe upravlenie elektrosnabzheniem. Moskva, Energiia, 1963. 264 p.

Improving the efficiency of the use of electric power in industrial enterprises. [Name illegible] and others. Moskva, Energiia, 1963. 104 p.

Investigation of the operation of lightning arresters in the electric power network in a mine. O. G. Gukasian, O. V. Lukin, B. I. Semenov, L. V. [illegible] and others. Izv. vys. ucheb. zaved.; gor. zhur. no. 6, pp. [illegible]. '63.

Establishment of standard values for the degree of [illegible] in electric power plants. Elektr. sta. no. 4, pp. [illegible]. '63.

Temperature fields in [illegible] and their [illegible]. Kh. M. Zhukhovitskii, [illegible] and [illegible]. Izv. vys. ucheb. zaved.; gor. zhur. no. 5, pp. [illegible]. '63.

ELECTRICITY IN MINING—SAFETY MEASURES

Calculation of [illegible] circuits with [illegible]. [Name illegible] and [illegible]. Mekh. i avtom. gor. proizv. no. 3, pp. [illegible]. '63.

Electric safety in low-voltage networks with neutral grounding through a [illegible] under conditions of [illegible]. G. V. Murav'ev, V. M. Antonov, and [illegible]. Mekh. i avtom. gor. proizv. no. 3, pp. [illegible]. '63.

Features of lightning explosionproof medium-voltage electric distributing [illegible] of circuits. B. A. Petrenko, V. [illegible]. Mekh. i avtom. gor. proizv. no. 3, pp. [illegible]. '63.

Protective groundings for underground mining under [illegible] conditions. A. I. Borodin. Gor. zhur. no. 9, pp. [illegible]. '63.

Scientific and technical conference on electrical safety in mining enterprises. Gor. zhur. no. 9, pp. [illegible]. '63.

Unstable nature of igniting explosive mixtures with electric sparks. B. M. Lerman. Mekh. i avtom. gor. proizv. no. 3, pp. [illegible]. '63.

ELECTRICITY ON SHIPS

Bedin, V. V., and others. [Automatic control of marine synchronous generators, systems of direct compounding, transient conditions] Avtomatizatsiia sudovykh sinkhronnykh generatorov, sistemy priamogo kompaundirovaniia, perekhodnye rezhimy. Uchebnoe posobie po kursu "Elektroenergeticheskie ustanovki sudov." Leningrad, Leningr. elektrotekhnicheskii institut imeni V. I. Ul'ianova (Lenina), 1962. 78 p.

Bedin, V. V., and others. [Automatic control of marine synchronous generators, systems of direct compounding, static conditions] Avtomatizatsiia sudovykh sinkhronnykh generatorov sistemy priamogo kompaundirovaniia, statricheskie rezhimy. Uchebnoe posobie po kursu "Elektroenergeticheskie ustanovki sudov." Leningrad, Leningr. elektrotekhn. in-t im. V. I. Ul'ianova (Lenina), 1962. 91 p.

Power engineering on ships of the future. B. Chirkin. Mor. flot 23 no. 10 33-34 O '63.

Reliability, and maintenance of the electrical equipment on ships. V. Agaskin. Mor. flot 23 no. 10 29-30 O '63.

With the help of ship electricians. Iu. Lupanov. Mor. flot 23 no. 10 31-33 O '63.

ELECTRIFICATION

(see also subdivision under Europe, Eastern)

Ocean of light. Kul't. i zhizn' 7 no. 4:2 '63.

Principal trends in the realization of *overall electrification*. P. S. Neporozhnii and others. Elektrichestvo no. 8:77-83 Ag '63.

Under the great banner of Lenin. Elektrichestvo no. 8:1-6 Ag '63.

ELECTROACOUSTICS

Electroacoustic effect in n-Ge and n-Si. V. D. Iskra. Fiz. tverdogo tela 5 no. 9:2663-2673 S '63.

ELECTROCARDIOGRAPHY

Activity of the heart in cerebral embolism [with summary in English] R. K. Marmur, N. V. Russeva. Vrach. delo no. 7 64-67 Jl '63.

Changes in the ballistocardiogram and electrocardiogram in hypertension patients under the *influence of* biotron treatment [with summary in English]. V. K. Tkachuk. Vrach. delo no. 7:55-60 Jl '63.

Electrocardiographic and rentgenological changes of the heart in silicosis and anthracosilicosis. A. I. Nesis, L. A. Kuf'kina, F. G. Enns. Izv. AN Kazakh. SSR, Ser. med. nauk no. 1:80-86 '63.

Phonocardiography and electrocardiography in the diagnosis of defects of the interventricular septum [with summary in English] A. F. Litvinenko, N. D. Cherenkova. Vrach. delo no. 7 60-64 Jl '63.

ELECTROCHEMICAL APPARATUS

General equation and electric analog of an electrolytic cell with a stationary *spherical microelectrode*. R. Sh. Tigmatullin. Dokl. AN SSSR 151 no. 6:1383-1386 Ag '63.

ELECTROCHEMISTRY

Change of the mechanism underlying electrochemical [illegible] in an inorganic medium in response to the addition of a proton donor. E. S. Levin. Dokl. AN SSSR 151 no. 6:1375-1378 Ag '63.

Electrochemical separation of lead and bismuth with the formation of intermetallic compounds. Iu. K. Delimarskii, L. G. Pavlenko, O. G. Zarubitskii. Tsvet. met. 36 no. 9:86-88 S '63.

Kinetic and catalytic currents on a hanging dropping electrode. V. G. Levich, Z. Ch. Grabovskii, V. Iu. Filinovskii. Dokl. AN SSSR 151 no. 6:1379-1382 Ag '63.

ELECTRODES

Determination of the quality of the electrode surface by measuring the contact difference of potentials. S. M. Kochergin, G. A. Golikov. Trudy KKHTI no. 30 271-276 '62.

Introduction of O3S-4N rutile electrodes and the use of sawdust in electrode manufacture. V. A. Asrants. Svar. proizv. no. 9:28-29 S '63.

Selection of efficient cathodic materials for a thermoelectron converter [with summary in English] V. A. Grokho and others. Poroshk. met. 3 no. 4 79-88 Jl-Ag '63.

ELECTRODES, CARBON

Effect of inorganic salts on the potential of the anthracite electrode and the stability of anthracite and carbon suspensions in relation to their "salt" flotation [with summary in English]. V. I. Klassen, IA. T. Liaskovskii. Koll. zhur. 25 no. 5:549-554 S-O '63.

Effect of vacuum pressing on the properties of graphite electrodes. M. A. Fish, A. S. Smirnova, M. N. Dorozhkina. TSvet. met. 36 no. 9:54-58 S '63.

ELECTRODES, DROPPING MERCURY

Kinetic and catalytic currents on a hanging dropping electrode. V. G. Levich, Z. Ch. Grabovskii, V. Iu. Filinovskii. Dokl. AN SSSR 151 no. 6:1379-1382 Ag '63.

ELECTRODES, GLASS

Improving the performance of glass electrodes in the alkaline zone at temperatures from 10° to 50°. I. P. Fits, T. A. Tumanova. Trudy LTITSBP no. 11:99-102 '62.

ELECTRODYNAMICS

Parametric resonance of a plate under conditions of nonlinearity [with summary in English]. A. A. Bergovskii, L. F. Shulezhko. Dop. AN URSR no. 8:989-993 '63.

ELECTROENCEPHALOGRAPHY

Kozhevnikov, V. A., and R. M. Meshcheriakii. [Current *methods of analyzing the electroencephalogram*] Sovremennye metody analiza elektroentsefalogrammy. Moskva, Medgiz, 1963. 326 p. (DNLM)

Effect of prolonged internal irradiation with radioactive zinc on the bioelectrical activity of the rabbit brain. V. G. Orakhmov. Med. rad. no. 1 45-46 '63.

Electrical activity of isolated neurons of the somatosensorial cortex. T. D. Dzhavrishvili. Dokl. AN SSSR 151 no. 6:1462-1465 Ag '63.

Some data on the cerebral electrophysiological activity in hypertension. B. V. Bogutskii. Vrach. delo no. 7. 52-53 Jl '63.

ELECTROHYDRAULIC EFFECT

The lightning at work. S. Skachkov. Nauka i rel. 4 no. 5 14-15 My '63.

ELECTROLUMINESCENCE

Electroluminescence of crystals. A. N. Georgobiani. Trudy Fiz. inst. 23:3-63 '63.

ELECTROLYSIS

Automatically controlled electrolytic unit *for use in experimental* laboratories. I. E. Fel'dman, A. G. Kosheley, N. A. Katerova. TSvet. met. 36 no. 5:80-81 My '63.

Separation of praseodymium and neodymium by electrolysis on a mercury cathode. V. P. Shvedov, P. G. Antonov. Radiokhimiia 5 no. 3:342-346 '63.

ELECTROLYTE SOLUTIONS

Method for measuring and calculating the coefficients of the activity of the components of electrolyte solutions. L. P. Zhilina, K. P. Mishchenko. Trudy LTITSBP no. 11:134-140 '62.

On a rational form of the law of distribution in the process of extraction. V. I. Levin. Radiokhimiia 5 no. 4: 505-507 '63.

Study of electrolytic *transport in solutions* of a copolymer of methacrylic acid by the radioactive tracer method. S. M. Kochergin, V. P. Barabanov, B. L. Bogdanov. Trudy KKHTI no. 30:277-281 '62.

ELECTROLYTES

Effect of inorganic salts on the potential of the anthracite electrode and the stability of *anthracite* and carbon suspensions in relation to their "salt" flotation [with summary in English]. V. I. Klassen, IA. T. *Liaskovskii*. Koll. zhur. 25 no. 5:549-554 S-O '63.

Stability of lyophobic sols, emulsions, and [illegible]. V. M. Barboi. Izv. vys. ucheb. zaved.; tekh. [illegible] no. 2:21-39 '63.

ELECTROLYTIC TANKS

Grounding of electrolytic tanks. N. M. [illegible]. Energ. 18 no. 9 10-17 S '63.

ELECTROMAGNETIC FIELDS

Radiation of charges in circular motion [illegible] shtein. Radiotekh. i elektron. 8 no. 10 [illegible] '63.

Use of high-frequency electromagnetic fields [illegible] confinement and stabilization. S. M. [illegible] energ. 15 no. 4:283-292 O '63.

ELECTROMAGNETIC PROSPECTING

Leningrad. Universitet. [Electromagnetic [illegible] magnetotelluric methods of prospecting.] [illegible] noe zondirovanie i magnito-tellurich. [illegible] vedki, materialy Vsesoiuznoi konferentsii [illegible] (Leningrad) 1963. 199 p.

ELECTROMAGNETIC WAVES

Electromagnetic waves in a semi-infinite [illegible] exciton absorption region. V. I. Sibaldov. [illegible] 5 no. 9, 2682-2687 S '63.

Turov, E. A. [Physical properties of magnetically ordered crystals, phenomenological theory of [illegible] waves in ferromagnetics, antiferromagnetics and ferromagnetics] Fizicheskie svoistva magnitouporiadochennykh kristallov, feno menologicheskaia teoriia [illegible] vykh voln v ferromagnetikakh, antiferromagnetikakh, slabykh ferromagnetikakh. Moskva, Izd-vo Akad. SSSR, 1963. 229 p.

Problem concerning the excitation of [illegible] angle with impedance edges. M. S. Bobrovnitskii, Myshkin, R. P. Starovoitova. Radiotekh. i elektron. no. 10:1791-1794 O '63.

Spectrum of spin waves. IAn. Shil. Dokl. AN SSSR 36 no. 1 163-167 '63.

Theory of resonance generation of weakly damped magnetic waves in metals [with summary in [illegible]] E. A. Kaner, V. G. Skobov. Zhur. eksper. i teor. fiz. no. 3:610-630 S '63.

ELECTROMAGNETS

Determination of optimum number of electric [illegible] solenoid-type hammers. N. P. Rimskaia-Korsakova. Elektrotekhn. 34 no. 1 68-71 Ap '63.

Effect of eddy currents of transients in electric [illegible] V. A. Karasev. Elektrichestvo no. 9 [illegible] '63.

ELECTROMECHANICAL ANALOGIES

Instruments and systems for testing by the [illegible] electrohydrodynamic analogies and fields for [illegible] application. N. I. Druzhinin. Trudy LPI [illegible] no. 11:189-202 '62.

Potisar, G. L. [Modeling] Modelirovanie. [illegible] Voenizdat, 1963. 110 p.

Modeling the starting of belt conveyors with [illegible] drives. B. A. Bakhodirin, Iu. A. Rykhalskii [illegible] vich. Gor. zhur. no. 9:39-44 S '63.

ELECTROMETALLURGY

Electric smelting of oxidized nickel ores for [illegible] tion of iron nickel. B. P. Onishchin, V. [illegible] G. F. Maslykov. Biul. tekh.-ekon. informatsii Gos. nauch.-issl. inst. nauch. i tekh. informatsii no. [illegible]

Valuable manual. P. A. Kachan, V. V. Kulpin. Metallurg 8 no. 8 38-39 Ag '63.

ELECTROMOTIVE FORCE

Determination of the quality of the electrode surface by measuring the contact difference of potentials. S. M. Kochergin, G. A. Golikov. Trudy KKHTI no. 30:271-276 '62.

Diffusion-electric theory of the Dorn effect. Part 2. Effect of surface diffusion and electric conductivity in the electric field for Peclet numbers large as compared to unity [with summary in English]. S. S. Dukhin. Kolloid. zhur. 25 no. 5:520-523 S-O '63.

Studying the electromotive force in processes of iron modification by magnesium addition. [illegible] Lepinskikh, O. A. Lein, A. A. Amarin, Iu. V. [illegible] Otd. tekh. nauk, Met. i gor. delo no. 4:117-120 '63.

ELECTROMYOGRAPHY

New modification of the method of recording the [illegible] tion of skeletal and unstriated muscles by means of capacitance transducers. L. M. Tolstykh, [illegible] Iu. V. Gurfinov. Dokl. AN SSSR 7 no. 6:422 [illegible] '63.

ELECTRON BEAMS

Electron as a tool. A. Nikolaev. Nauka i zhizn' 30 no. 5:2 of cover, 14 My '63.

ELECTRON DIFFRACTION EXAMINATION

Effect of the conditions of producing thin cadmium [illegible] films on their crystalline structure. K. V. Shalimova and others. Kristallografiia 8 no. 5 774-777 S-O '63.

Electron diffraction study of the textures of [illegible] indium vaporized on the cleavage of [illegible] salt in vacuum. V. V. Udalova, N. A. Potemkina. Vest. Mosk. un., Ser. 3: Fiz., astron. 18 no. 3:44-47 My-Je '63.

ELECTRON MICROSCOPY

Brittleness of 1Kh21N5T chromium-nickel steel, E. A. Kovalcva, I. V. Salli. Metalloved. i term. obr. met. no. 10 44-46 O '63.

Electron microscope study of particles in aqueous suspensions of ferrosilicon and separation of tin-bearing ores in them. V. I. Solnyshkin, T. G. Tomov. Nauch. soob. IGD 20 145-148 '63.

Electron microscope study of the effect of radioactivity of elementary sulfur on the structure of its surface. L. I. Zemlianova and others. Radiokhimiia 5 no. 3. 392-394 '63.

Electron microscope study of the structure of capron and lavsan fibers treated with phosphotungstic acid. E. M. Belavtseva, L. Z. Gumargalieva, A. I. Kitaigorodskii. Dokl. AN SSSR 151 no. 6:1356-1357 Ag '63.

Fourth All-Union Scientific and Technical Conference on Electron Microscopy. N. M. Sudakov. Radiotekhnika 18 no. 7 77-79 Jl '63.

On pseudoforms of hydration of binders observed by the electron microscope [with summary in English]. M. I. Strelkov, Z. P. Chumak. Dop. AN URSR no. 8:1076-1080 '63.

Possibilities of using electron microscopy for the isolation of microscopic organic remains in solid sedimentary rocks. V. V. Lubtsov, A. P. Afanas'ev. Vop. geol. i min. Kol'. poluos. no. 4 87-90 '63.

Studies on the fine structure of cells and tissues. I. Sh. Vaisman. Usp. sovr. biol. 56 no. 1 20-43 Jl-Ag '63.

ELECTRON OPTICS

Shcheglov, P. V. [Electronic telescopy] Elektronnaia teleskopiia. Moskva, Fizmatgiz, 1963. 194 p.

Open resonators with spherical mirrors [with summary in English]. L. A. Vainshtein. Zhur. eksp. i teor. fiz. 45 no. 3 684-697 S '63.

Solution of problems in electron optics and superhigh frequency electronics using mathematical modeling techniques. I. M. Fleiveas and others. Radiotekh. i elektron. 8 no. 10:1764-1775 O '63.

ELECTRON-TUBE VOLTMETER

Method for precise measurement of the mean value of alternating voltage in subsonic frequency range. G. L. Grin. Izm. tekh. no. 8:12-15 Ag '63.

ELECTRON TUBES

Determining the parameters of pulsed tubes from observations of nonlinear optical phenomena. A. N. Rubinov, A. P. Ivanov. Dokl. AN BSSR 7 no. 8:524-527 Ag '63.

Shulekin, M. V. [Electron tubes] Elektronnye lampy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 366 p.

Tarasov, F. I. [Output tubes] Vykhodnye lampy. Moskva, Gosenergoizdat, 1963. 27 p. (Massovaia radiobiblioteka. Spravochnaia seriia, no. 407)

Rectifier feed of hot-cathode tubes. D. M. Shcherbina. Izm. tekh. no. 8:32-34 Ag '63.

ELECTRONIC APPARATUS AND APPLIANCES

Decade scaler in a trochotron. L. B. Golovanova, N. M. Khlustikov. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 1,109-117 '62.

Digital display device using a typotron. B. V. Anisimov and others. Elektrichestvo no. 8:52-56 Ag '63.

Leontiev, L. P. [Introduction to the theory of reliability of radioelectronic apparatus] Vvedenie v teoriiu nadezhnosti radioelektronnoi apparatury. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1963. 186 p.

Method for breaking the feedback loop in some electronic automatic devices. K. S. Zhupakhin, V. S. Zhupakhin. Radiotekhnika 18 no. 8:55-58 Ag '63.

New analyzer. S. S. Kurochkin and others. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 4 61-71 '62.

Simple 50-channel pulse height analyzer. A. I. Rogushin, K. F. Kuznetsov, A. I. Kozyr'. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 4 72-88 '62.

Some results of using carbides of transition metals for thermionic emitters of electronic devices. S. P. Rakitin, V. S. Fomenko, V. N. Paderno. Teplofiz. vys. temp. 1 no. 1:145-148 Jl-Ag '63.

Transistorized logic elements for electronic apparatus. K. F. Kuznetsov, A. S. Bogolubov, S. S. Kurochkin. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 4 7-15 '62.

Transistorized matching and shaping elements for electronic apparatus. K. F. Kuznetsov, A. S. Bogolubov, S. S. Kurochkin. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 4 16-24 '62.

ELECTRONIC APPARATUS AND APPLIANCES—ABSTRACTS

[Electronics and its applications] Ref. zhur.: Elek. i ee prim. nos. 10-11 O-N '63.

ELECTRONIC CIRCUITS

Comparison of circuits for paramagnetic resonance detection. S. P. Pivovarov and others. Trudy Inst. fiz. AN Kazakh. SSR 6 119-123 '63.

Design and analysis of transistorized triggering circuits. K. F. Kuznetsov and others. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 4 44-57 '62.

Fast coincidence circuits. B. A. Batin, P. S. Chernov. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 1 99-108 '62.

Granatman, V. V., V. I. Danilov, and A. IA. Kiriachek [Industrial contactless apparatus with discrete action] Promyshlennaia beskontaktnaia apparatura diskretnogo deistvila, obzor. Leningrad, 1963. 102 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serilia Pribory i elementy avtomatiki)

ELECTRONIC COMPUTERS
(see also subdivision under India, Ryazan, Tiflis, United States)

Calculating the sensitivity of a trigger with automatic bias [with summary in English]. Z. L. Rabinovich, A. A. IAremа-IEremenko. Dop. AN URSR no. 8:1009-1011 '63.

Computer control machine "Stal'-1" for waste-free laying out. V. I. Loskutov. Stal' 23 no. 6 533-536 Je '63.

Conferences on automatic self-teaching machines. Avtomatyka 8 no. 4 85-87 '63.

Device for volts-to-digit conversion. E. L. Shprits. Izm. tekh. no. 8:15-17 Ag '63.

Digital representation of measured values in scanning systems. V. L. Slavinskii. Izm. tekh. no. 8:17-19 Ag '63.

Experience in the use of electron computers in analyzing methods of mining Krivoy Rog iron ore deposits. V. A. Simakov, V. S. Kuz'min. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no. 2 153-160 Mr-Ap '63.

Experience in using electronic computers for the determination of the elements of waves by the stereophotogrammetric method. A. A. Rogozin. Meteor. i gidrol. no. 9 42-45 S '63.

Induction converter of shaft-turn angle to a discrete value. D. N. Kalinskii, I. F. Kurochkin. Sbor. trud. TSNIICHM no. 30:123-126 '63.

Investigating some circuits of dividing computers. V. V. Kirillov. Sbor. st. LITMO no. 47:74-80 '59.

Seminar po metodam matematicheskogo modelirovaniia i teorii elektricheskikh tsepei. [Mathematical modeling and electrical networks] Matematicheskoe modelirovanie i elektricheskie tsepi, trudy. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR,
No. 1. 1963. 244 p.

Mechanization of engineering and management work in industry and construction. V. E. Sokhin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:75-76 '63.

Mechanized calculation of material requirements for workpieces. IA. IU. Fishtenberg. Mekh. i avtom. proizv. 17 no. 9 20-22 S '63.

Polisar, G. L. [Modeling] Modelirovanie. Moskva, Voenizdat, 1963. 119 p.

Self-teaching machine "SAKI." S. F. Kozubovs'kyi. Avtomatyka 8 no. 4 73-77 '63.

Alikhashkin, IA. I., B. IA. Kantor, and G. A. Marchenko [Standard programs for the "Strela-3" computer] Standartnye programmy dlia mashiny "Strela-3." Moskva, 1963. 15 p. (Akademiia nauk SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy dlia mashiny "Strela-3," no. 5)

Obrezkov, V. I. [Use of computer technology in hydroelectric power plant calculations] Primenenie vychislitel'noi tekhniki v gidroenergeticheskikh raschetakh. Moskva, Gosenergoizdat, 1963. 215 p.

The use of cybernetics in historical studies. O. T. Holodmak, M. B. Morozov. Ukr. ist. zhur. 7 no. 1 94-99 Jl-Ag '63.

Using electron calculating machines in studying and designing the working surfaces of tillage machines. IU. F. Novikov. Trakht. i sel'khozmash. 33 no. 9:28-32 S '63.

Using the EVM-3 electronic computer for plotting monthly schedules. F. F. Ivan'ev and others. Mekh. i avtom. proizv. 17 no. 9 35-37 S '63.

Using electronic computers in engineering design. V. N. Loginov. Mekh. i avtom. proizv. 17 no. 9:32-35 S '63.

Using electronic computers in mechanizing production management. I. L. Nemtsev. Mekh. i avtom. proizv. 17 no. 9:13-16 S '63.

Using rapid electronic computers for calculations of mine ventilation. F. A. Abramov, V. A. Boiko, G. I. Bulakh. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2:101-106 Mr-Ap '63.

ELECTRONIC COMPUTERS—BIBLIOGRAPHY see Bibliography—Electronic computers

ELECTRONIC COMPUTERS—CIRCUITS

Method for synthesizing circuits with magnetic logic elements [with summary in English]. V. S. Podypensikyi. Avtomatyka 8 no. 4:33-44 '63.

ELECTRONIC COMPUTERS—DESIGN AND CONSTRUCTION

High-reliability logical circuits equipped with ferrite transistor cells. E. I. Zhilko, IU. I. Mitropol'skii. Sbor. trud. TSNIICHM no. 30 62-82 '63.

Some problems in the design of arithmetic elements for control computers. E. I. Zhilko, IU. I. Mitropol'skii. Sbor. trud. TSNIICHM no. 30:72-81 '63.

ELECTRONIC COMPUTERS—MEMORY SYSTEMS

Characteristics of a set of transistorized elements of a magnetic memory unit. A. L. Belous and others. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 4 25-43 '62.

ELECTRONIC CONTROL

Automatic control of tank filling and pump interlocking. V. A. Vulikhman, O. T. Molodetskaia. Mekh. i avtom. proizv. 17 no. 8 15-17 Ag '63.

Chernobai, D. G. [Electric control of the equipment in machinery plants] Elektroavtomatika oborudovaniia mashinostroitel'nykh zavodov. Moskva, Mashgiz, 1963. 205 p.

ELECTRONIC DATA PROCESSING
(see also subdivision under Moscow)

Automation of calculating operations in determining the reserves of mineral raw materials. V. A. Peretz, IU. S. Frolov. Razved. i okh. nedr 29 no. 9 5-10 S '63.

Pivovarov, IA. I. [Operational production planning using the EV-80-3 electronic computer] Operativnoe planirovanie proizvodstva s ispol'zovaniem elektronnogo vychislitelia EV-80-3, stenogramma doklada na Vsesoiuznom soveshchanii po mekhanizatsii i avtomatizatsii inzhenernogo i upravlencheskogo truda v promyshlennosti i stroitel'stve. Leningrad, Leningr. dom nauchno-tekhn. propagandy. 1963. 13 p.

Ready for publication. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7:46-47 Jl '63.

Self-teaching machine "SAKI." S. F. Kozubovs'kyi. Avtomatyka 8 no. 4,73-77 '63.

What is economic cybernetics? V. Dadalan, IU. Cherniak. Polit. samoobr. 7 no. 10,78-81 O '63.

ELECTRONIC DATA PROCESSING—INDUSTRIAL DESIGN

"Avant-garde" paves the way. K. Levitin, A. Melamed. Nauka i zhizn' 30 no. 5:6-11 My '63.

ELECTRONIC DATA PROCESSING—MILITARY SCIENCE

Early history of military cybernetics in foreign countries. V. Vaneev. Voen.-ist. zhur. 5 no. 8:38-48 Ag '63.

ELECTRONIC DIGITAL COMPUTERS

Control circuit for digital recorders with automatic binary to decimal conversion. IU. A. Makhmudov, Z. M. Muradova. Za tekh. prog. 3 no. 3 9-11 Mr '63.

Converting the stress of a tension dynamometer into a digital code. L. G. Chubrikov. Trudy Inst. met. UFAN SSSR no. 9:49-59 '62.

Magarik, V. A., and N. M. Nagornyi. [Instruction system of the universal automatic digital computer BESM-2 of the Computer Center of the Academy of Sciences of the U. S. S. R.] Sistema komand universal'noi tsifrovoi avtomaticheskoi mashiny BESM-2 Vychislitel'nogo tsentra AN SSSR. Izd. 3., ispr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 88 p. (Standartnye i tipovye programmy BESM-2)

Akademiia nauk SSSR. Vychislitel'nyi tsentr. [Materials on the modernization of the "Ural-1" computer] Sbornik materialov po modernizatsii mashiny "Ural-1." Moskva, 1963. 112 p. (Its. Trudy)

Optimizing the processes of vibratory transportation by using a digital computer. I. F. Goncharevich, E. G. Saratovskii, I. V. Bishele. Mekh. i avtom. v gor. prom. no. 3:242-252 '63.

Unit for digital recording of cyclic telemetering. A. A. Svistel'nik. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:52-55 '63.

The "Viatka" multiple-key desk computer. N. N. Vedernikov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:55-57 '63.

ELECTRONIC DIGITAL COMPUTERS—PROGRAMMING

Information retrieval in the field of archaeological literature. M. IU. Braichevskii, L. E. Pshenichnaia, E. F. Skorokhod'ko. NTI no. 8:13-16 '63.

Model of a railroad section in the memory device of the calculating machine. M. V. Lavrent'ev. Nauch. trudy KHIIT no. 55 18-27 '62.

ELECTRONIC INSTRUMENTS

Analyzing the stability of static self-compensators. M. G. Miziuk. Izm. tekh. no. 8:49-52 Ag '63.

Devices for statistical investigations of accelerations, stresses, and deformations. M. L. Daichik, K. I. Vil'pert, V. A. Voronkov. Avt. prom. 29 no. 10:22-25 O '63.

Electronic block for two electric contact pickups. IA. N. Zastavskii. Stan. i instr. 34 no. 8:32 Ag '63.

Universal automatic a.c. device. I. L. Shain, V. B. Kontarovich. Za tekh. prog. 3 no. 3 4-8 Mr '63.

ELECTRONIC MEASUREMENTS

Electron tubes with mechanically controlled electrodes for measuring centrifugal accelerations and impact overloads. V. V. Novikov. Sbor. st. LITMO no. 47:6-13 '59.

A magnetic field does the counting. A. Batin. IUn. tekh. 7 no. 8:9-10 Ag '63.

Measurability of optical excitation functions by means of modulated electron beams. I. P. Bogdanova, I. I. Geitsi. Izv. AN SSSR. Ser. fiz. 27 no. 8:1056-1059 Ag '63.

Measurement of the sensitivity of regenerative circuits. M. I. Gertsenshtein, Yu. A. Lunin, and G. Smirnov. Izm. tekh. no. 5, 44-45, My. '63.

Measurement of the intermediate-frequency of a superheterodyne receiver. B. V. Markushin, V. D. Berman, and V. A. Yagupov. Izm. tekh. no. 5, 46-47, My. '63.

Mirshtein, G. IA. [Radioelectronic measurements] Radioelektronnye izmereniia. Moskva, Gosenergoizdat, 1963. 527 p.

Super-high frequency measurement of the attenuation of intercoupled four-poles by the method of "three readings." V. P. Fetisov. Izm. tekh. no. 5, 51, My. '63.

ELECTRONICS

Kitaev, V. E., and L. S. Shkapintokh. [Electrical engineering with principles of industrial electronics] Elektrotekhnika s osnovami promyshlennoi elektroniki. Moskva, Profizdat, 1963. 411 p.

Pavlov, V. I. [Electronics in the national economy] Elektronika v narodnom khoziaistve. Moskva, Izd-vo "Znanie," 1963. 55 p. (Narodnyi universitet kul'tury. Tekhniko-ekonomicheskii fakul'tet, no. 8)

Nineteenth All-Union Conference of the A. S. Popov Scientific and Technical Society for Radio and Electronics dedicated to "Radio day." Radiotekhnika 18, no. 8, 74-80, Ag. '63.

Plenary Session of the A. S. Popov Branch of the Scientific and Technical Society for Radio and Electronics in Odessa. Ia. E. Vainberg. Radiotekhnika 18, no. 7, 79-80, Jl. '63.

ELECTRONICS—ABSTRACTS

[Electronics and its applications] Ref. zhur., Elektronika i ee prim., nos. 10-11, O-N. '63.

ELECTRONICS—BIBLIOGRAPHY see Bibliography—Electronics

ELECTRONICS—DICTIONARIES

Encyclopedia "Automation of Industrial Production and Electronics in Industry." A. I. Berg, Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform., no. 3, 51-52, '63.

ELECTRONICS—PATENTS

Foreign patents. Elektrosviaz' 17, no. 9, 75-76, S. '63.

ELECTRONICS—STUDY AND TEACHING

Teaching of electronics and radio engineering subjects. A. M. Kugushev. Elektrichestvo, no. 8, 85-86, Ag. '63.

ELECTRONICS IN MILITARY ENGINEERING
(see also subdivision under United States)

Peresada, V. S., A. M. Kreimerman, and A. M. Prokhorov. [Electronics in the service of artillery fire control] Elektronika na sluzhbe upravlenia ognem artillerii. Moskva, Voenizdat, 1963. 74 p. (Za voenno-tekhnicheskie znaniia)

Electronic warfare. P. Nikshomov. Starsh. serzh., no. 5, 25, My. '63.

Fiber optics and its use in military radio electronics. S. A. Barchenko. Mor. sbor., 46, no. 8, 81-87, Ag. '63.

ELECTRONICS IN MINING

Answer to the editor's query. I. Lebedev. Gor. zhur., no. 9, 53, S. '63.

ELECTRONOGRAPHY see Electron diffraction examination

ELECTRONS

Deceleration and inelastic reflection of electrons in free thin copper films. I. R. Kantcheva, B. F. Barzdo. Fiz. tver. tela, 5, no. 9, 2561-2569, S. '63.

Deionization of a steady-state plasma stream allowing for a drop in electron temperature. O. R. Konenko. Vest. Mosk. un., Ser. 3, Fiz., astron., 18, no. 5, 90-95, S-O. '63.

ELECTRONS—CAPTURE

A possible recombination mechanism. V. L. Bonch-Bruevich, E. B. Sokolova. Fiz. tver. tela, 5, no. 9, 2717-2719, S. '63.

ELECTRONS—SCATTERING

Thermo-e.m.f. in ferromagnetic metals due to scattering of electrons on magnons [with summary in English]. L. E. Gurevich, G. M. Nedlin. Zhur. eksp. i teor. fiz., 45, no. 3, 576-586, S. '63.

ELECTRONS—SPECTRA

Energy spectra of electrons detached in molecular photoionization. F. I. Vilesov, B. L. Kurbatov. Izv. AN SSSR, Ser. fiz., 27, no. 8, 1088-1093, Ag. '63.

ELECTROPHORESIS

Electromigration method for determining the physicochemical constants of the compounds in a state of extreme dilution. Part 1: Determination of the path of ions and of the nature of electrolyte flow during continuous electrophoresis on a porous filler. V. P. Shvedov, K. V. Kotegov. Radiokhimiia, 5, no. 3, 369-374, '63.

Electromigration method for determining the physicochemical constants of the compounds in a state of *extreme dilution*. Part 2: Determination of the series of physicochemical values of Tc and Re compounds. V. P. Shvedov, K. V. Kotegov. Radiokhimiia, 5, no. 3, 374-378, '63.

Electrophotograms of the blood serum in combination with fibrinogen and amino acids in patients with chronic osteomyelitis, in unficiency. N. I. Semenovich. Terap. arkh., 35, no. 2, 48-51, F. '63.

Methodology of biomycin electrophoresis in the treatment of suppurative inflammatory processes, experimental research. N. A. Barsukov. Ortop., travm. i protez., 24, no. 2, 51-54, F. '63.

ELECTROPHYSIOLOGY

Description of an electrical stimulator for inducing various pathological states in rats. V. N. Markov, I. A. Rudakov. Pat. fiziol. i eksp. terap., 7, no. 2, 76-78, Mr.-Ap. '63.

Determination of the electric activity of the muscles of the anterior abdominal wall in acute appendicitis. A. V. Livshits. Eksper. khir. i anest., no. 1, 31-36, '63.

Semenovskaia, E. N. [Electrophysiological studies in ophthalmology] Elektrofiziologicheskie issledovaniia v oftal'mologii. [Moskva] Medgiz, 1963. 276 p. (DNLM)

Physiology of a cell. P. Fostul'. Nauka i zhyttia, 13, no. 7, 28-31, Jl. '63.

ELECTROPLATING

Chemical preparation of aluminum and its alloys for electroplating. V. I. Semeniuk, L. I. El'ianova, S. Z. Pritykina. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform., no. 9, 32-33, '63.

Electrodeposition and codeposition of particles dispersed in electrolytes. R. S. Saifullin. Trudy KKHTI, no. 30, 253-258, '62.

Fatigue strength of electroplated steel. A. P. Grabovetskii. Metallov. i term. obr. met., no. 10, 39-41, O. '63.

Zhendareva, O. G., and Z. S. Mukhina. [Methods of analyzing eletroplating baths] Metody analiza gal'vanicheskikh vann. Moskva, Oborongiz, 1963. 269 p.

ELECTROPLATING—BIBLIOGRAPHY see Bibliography—Electroplating

ELECTROPLATING—EQUIPMENT AND SUPPLIES

Annular baths for electroplating. G. G. Renne. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform., no. 9, 30-32, '63.

ELECTROSURGERY

Treatment of erosion of the cervix uteri and endocervicitis by various methods of heat coagulation. V. S. Lesiuk. Akush. i gin., no. 2, 83-86, '63.

ELEMENTARY EDUCATION see Education, Elementary

ELEPHANTIASIS

Case of congenital elephantiasis of the fingers in a child. Iu. A. Akimov. Ortop., travm. i protez., no. 1, 73-74, '63.

ELM—DISEASES AND PESTS

Elm bark beetles. A. D. Maslov. Zashch. rast. ot vred. i bol., 8, no. 9, 18-19, S. '63.

EMBEZZLEMENT
(see also subdivision under Kazakhstan)

The plunderer will not escape punishment. I. Leino. Koop. Kazakh., 6, no. 3, 54-55, Je. '63.

Socialist property is sacred and inviolable. A. Gotgil'f, P. Kim. Nar. khoz. Uzb., 5, no. 9, 75-76, S. '63.

EMBLEMS, NATIONAL

Liashenko, M. IU. [Stories about the Soviet national emblem] Rasskazy o sovetskom gerbe. Moskva, Detgiz, 1963. 126 p.

EMBOLISM

Activity of the heart in cerebral embolism [with summary in English]. R. K. Marmur, N. V. Russeva. Vrach. delo, no. 7, 64-67, Jl. '63.

EMBROIDERY, UKRAINIAN

Lvov. Ukrains'kyi derzhavnyi muzei etnografii ta khudozhn'oho promyslu. [Traditional Ukrainian embroidery, Lvov Province] Ukrains'ki narodni vyshyvky, L'vivs'ka oblast'. Kyiv, Vyd-vo Akad. nauk URSR, 1961. 31 p., 40 plates. (CaOTU)

[Traditional Ukrainian embroidery] Ukrains'ki narodni vyshyvky. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1961. 18 plates (in portfolio) (IEN)

EMBRYOLOGY—FISHES

Comparison of the dynamics of the invagination process of the chordamesoderm material in the embryos of starred sturgeon, sturgeon and axolotl. G. M. Ignat'eva. Dokl. AN SSSR, 151, no. 6, 1466-1469, Ag. '63.

EMBRYOLOGY—LABORATORY MANUALS

Kaisnel'son, Z. S., and I. D. Rikhter. [Laboratory manual on histology and embryology] Praktikum po gistologii i embriologii. Leningrad, Medgiz, 1963. 279 p.

EMBRYOLOGY—MAMMALS

Embryogenesis of the solar plexus in mammals. B. M. Kichina. Vop. morf. perif. nerv. sist., no. 6, 88-97, '63.

EMBRYOLOGY—REPTILES

Comparison of the dynamics of the invagination process of the chordamesoderm material in the embryos of starred sturgeon, sturgeon and axolotl. G. M. Ignat'eva. Dokl. AN SSSR, 151, no. 6, 1466-1469, Ag. '63.

EMEL'IANOV, ALEKSEI STEPANOVICH, 1903-

Sixtieth birthday of Professor A. S. Emel'ianov. Rozov. Zhivotnovodstvo, 25, no. 6, 94, My. '63.

EMIGRATION AND IMMIGRATION

A serious scholarly research. I. Nazarenko. Nauka i zhizn', 30, no. 9, 138-141, S. '63.

EMISSIVITY

Experimental determination of the integral emissivity of metals and alloys at high temperatures. V. N. Pavlov, V. IA. Chekhovskoi, A. E. Sheindlin. Teplofiz. vys. temp., 1, no. 1, 24-29, Jl.-Ag. '63.

Temperature dependence of the emissivity of stainless steel for different types of surface treatment. V. N. Timarov, B. K. Strigin. Teplofiz. vys. temp., 1, no. 1, 32, Jl.-Ag. '63.

EMPHYSEMA

Pathogenesis of high-altitude emphysema [with abstract in English]. P. N. Ivanov. Pat. fiziol. i eksp. terap., no. 2, 15-19, Mr.-Ap. '63.

EMPLOYEE VACATIONS see Vacations, Employee

EMPLOYEES, DISMISSAL OF

According to the law and prompted by the concern for N. Sarbaev, N. Machkanov. Sov. profsoiuzy, 10-11, Ag. '63.

EMPLOYEES, REINSTATEMENT OF

Controversial problems relating to the reinstatement of workers and employees to their former positions. A. Protsevskyi. Rad. pravo, no. 3, 61-64, '63.

Reinstatement of workers to their former positions in cases where their dismissal wasn't fair. G. IA. Sots. zakon., 40, no. 8, 81-82, Ag. '63.

Stavisova, A. I. [Reinstatement of wrongfully dismissed workers and employees in their former positions and the stanovlenie na rabote nepravil'no uvolennykh rabochikh i sluzhashchikh. Moskva, Gosiurizdat, 1963. 55 p. (IUridicheskie konsul'tatsii dlia naseleniia, 5, vyp. 1, otvet. red.)

EMPLOYEES, RELOCATION OF

Transfer to another job. V. Korotkov. Okhr. truda i sots. strakh., 6, no. 7, 45-47, Jl. '63.

EMPLOYEES' BUILDINGS AND FACILITIES DESIGN AND CONSTRUCTION

Buildings in a metallurgical plant serving cultural and public needs. V. G. Dasiatov, V. D. Demchenko. Okhr. trud, NII po strot. ASiA [Sverd. f.], no. 8, 43-49, '63.

EMPLOYERS' LIABILITY

Procedure for bringing a damage suit against a person who caused an industrial accident. V. Shkol'nikov. Okhr. truda i sots. strakh., 6, no. 9, 43-45, S. '63.

EMPYEMA

Late results of thoracoplasty in tuberculous empyema [with summary in English]. N. V. Tatarskii. Vest. khir., 90, no. 5, 35-41, My. '63.

EMULSIONS

Obtaining a stable concentrated emulsion from [illegible] oils. R. A. Skorminа. Trudy Inst. met. i obog. AN Kazakh. SSR, 6, 11-13, '63.

Performance of sinking rotary pumps operating [illegible] emulsion. V. P. Maksimov. Neftepromysl. delo, 12-15, '63.

ENARGITE see subdivision under Kadzharan region

ENDEKSHI-KAZAKHSKIY DISTRICT—MINERAL WATERS

Treatment of patients suffering from chronic gastritis with the slightly mineralized water of the Tatar Spring. Kh. Sh. Omarova. Izv. AN Kazakh. SSR, ser. med. nauk, no. 2, 85-89, '63.

ENCEPHALITIS

Use of the hemagglutination inhibition reaction for the study of the immunogenic characteristics of formalin vaccines against tick-borne encephalitis. N. K. [illegible], V. A. Zaklinskaia. Vop. virus., 8, no. 3, 299-301, My.-Je. '63.

ENCEPHALITIS—PREVENTIVE INOCULATION

Comparative study of the epidemiological effectiveness of vaccinations with tissue culture and brain vaccines against tick-borne encephalitis [with summary in English]. M. P. Chumakov and others. Vop. virus., 8, no. 3, 307-315, My.-Je. '63.

ENCEPHALITIS VIRUSES
(see also subdivision under Europe; Khabarovsk Territory; Krasnoyarsk Territory)

Significance of RNA of the virus of tick-borne encephalitis in the pathogenesis of experimental infection [with summary in English]. R. G. Dostaiskova, O. G. Andzhaparidze, E. E. Rozina. Vop. virus., 8, no. 3, 271-278, My.-Je. '63.

ENCYCLOPEDIAS AND DICTIONARIES—HISTORY AND CRITICISM

Kovtun, L. S. [Russian lexicography during the Middle Ages] Russkaia leksikografiia epokhi srednevekov'ia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 444 p.

ENDOCARDITIS

Experimental subacute septic endocarditis [with summary in English] N. N. Kuznetsovskii. Pat. fiziol. i eksp. terap. 7 no. 2:38-40 Mr-Ap '63.

ENDOCRINE GLANDS

Effect of a catechin preparation on the endocrine glands of white rats kept on a casein diet. Report No. 1. I. S. Dergachev, I. N. Potapova, N. N. Berezovskaia. Biul. MOIP. Otd. biol. 68 no. 4:141-143 Jl-Ag '63.

ENDOCRINOLOGY

Morphological changes in sexual and endocrine organs in tumors of the testicle [with summary in English] K. P. Ganina. Vrach. delo no. 7:92-96 Jl '63.

ENDOMETRIOSIS

High-dispersion emulsion against endometritis in cows. A. M. Selous'eva. Veterinariia 39 no. 9:53-54 S '62.

ENGINEERING

Organization and mechanization of engineering design in the development of complex projects. P. I. Rapoport. Mekh. i avtom. proizv. 17 no. 9:26-27 S '63.

Using electronic computers in engineering design. V. N. Loginov. Mekh. i avtom. proizv. 17 no. 9:32-35 S '63.

ENGINEERING—STUDY AND TEACHING see subdivision under Moscow

ENGINEERING GEOLOGY

(see also subdivision under Dnieper Valley, West Siberian Plain)

Concerning P. N. Panukov's book "Engineering geology." N. M. Pokrovskii and others. Stroit. mat. i konstr. 7 no. 7:32 Jl '63.

Study of the distribution of clay minerals for purposes of engineering geology. E. M. Sergeev and others. Vest. Mosk. un. Ser. 4: Geol. 18 no. 3:3-9 My-Je '63.

ENGINEERS

"Chief engineer is needed, ..." Viktor Levashov. Smena 40 no. 16:12-13 Ag '63.

Day of an engineer. I. Brodun. NTO 5 no. 8:55 Ag '63.

Duty to the people. G. Kotliar. NTO 5 no. 8:42-43 Ag '63.

ENGINES—COOLING

New similarity equations for calculating ribbed surfaces of air-cooled engines. G. L. Shitkei. Trakt. i sel'khozmash. 33 no. 4:14-16 Ap '63.

ENGINES—VIBRATION

Determining efficient parameters of the vibration of an engine with nonlinear characteristic suspension. N. B. Diatchin. Trakt. i sel'khozmash. 33 no. 9:8-9 S '63.

ENGLAND see Great Britain

ENGLISH LANGUAGE

English language textbook for the ninth grade. B. E. Zarubin. Inostr. iaz. v shkole no. 4:53-59 Jl-Ag '63.

ENGLISH LANGUAGE—AUDIO-VISUAL AIDS

Tables for oral speech exercises. Inostr. iaz. v shkole no. 4:63-66 Jl-Ag '63.

Tables for the development of oral speech in the fifth grade. Inostr. iaz. v shkole no. 4:67-68 Jl-Ag '63.

ENGLISH LANGUAGE—DICTIONARIES—RUSSIAN

Leningrad. Lesotekhnicheskaia akademiia. [English-Russian forestry dictionary] Anglo-russkii lesotekhnicheskii slovar'; uchebnoe posobie dlia studentov i aspirantov. 2. izd. Moskva, Goslesbumizdat, 1962. 524 p. (MIU)

ENGLISH LANGUAGE—GRAMMAR

Abramova, G. I., and others. [Grammatical guide for the development of oral speech habits; the English language] Grammaticheskoe rukovodstvo dlia razvitiia navykov ustnoi rechi; angliiskii iazyk. Moskva, Izd-vo Akad. nauk SSSR, 1963. 85 p.

Bonk, N. A., N. A. Luk'ianova, and L. G. Pamukhina. [Textbook of the English language] Uchebnik angliiskogo iazyka. Moskva, Vneshtorgizdat. Pt. 2. 1963. 603 p.

ENGLISH LANGUAGE—LEXICOGRAPHY

Baranisov, K. T. [English lexicology in practice] Vpravy z anglis'koi leksikologii; posibnyk dlia fakul'teliv i viddiliv inozemnykh mov universitetiv ta pedagogichnykh instytutiv. Vyd. 2., perer. Kyiv, Radians'ka, shkola, 1954. 191 p.

ENGLISH LANGUAGE—MOOD

Theories of mood in modern English. I. B. Khlebnikova. Vop. filol. no. 1:174-186 '62.

ENGLISH LANGUAGE—PRONOUN

Usage of corroboratife pronouns in the function of personal pronouns in modern English. M. I. Shishkanova. Vop. filol. no. 1:212-221 '62.

ENGLISH LANGUAGE—SPOKEN ENGLISH

Abramova, G. I., and others. [Grammatical guide for the development of oral speech habits, the English language] Grammaticheskoe rukovodstvo dlia razvitiia navykov ustnoi rechi; angliiskii iazyk. Moskva, Izd-vo Akad. nauk SSSR, 1963. 85 p.

Akademiia nauk SSSR. Kafedra inostrannykh iazykov, Leningradskoe otdelenie. [Exercises on impersonal forms of the English verb for conversation groups] Sbornik uprazhnenii po neliichnym formam angliiskogo glagola dlia grupp ustnoi praktiki. Sost. E. A. Zvereva, I. K. Likhacheva, N. S. Shchukareva. Moskva, Izd-vo Akad. nauk SSSR, 1962. 129 p.

Introductory oral course in the practice of Ryazan teachers. Inostr. iaz. v shkole no. 1:69-73 Jl-Ag '63.

Methods of introducing and reviewing vocabulary in advanced courses of night school in higher educational institutions with the aim of developing oral-speech habits. N. A. Kartasheva. Vop. filol. no. 1:102-108 '62.

ENGLISH LANGUAGE—STUDY AND TEACHING

Methods of introducing and reviewing vocabulary in advanced courses of night school in higher educational institutions with the aim of developing oral-speech habits. N. A. Kartasheva. Vop. filol. no. 1:102-108 '62.

Teaching the English language in grade 11. R. M. Adler. Inostr. iaz. v shkole no. 1:73-82 Jl-Ag '63.

ENGLISH LANGUAGE—SYNTAX

Classification of the types of connectives between the immediate components of a compound connective sentence in modern English. V. I. Zhel'vis. Vop. filol. no. 1:58-63 '62.

ENGLISH LANGUAGE—TECHNICAL ENGLISH

Methods of work on technical lexicology. F. M. Gozhanstants, N. P. Kriachun, V. I. Sheinina. Inostr. iaz. v shkole no. 1:83-88 Jl-Ag '63.

ENGLISH LANGUAGE—VERB

Akademiia nauk SSSR. Kafedra inostrannykh iazykov, Leningradskoe otdelenie. [Exercises on impersonal forms of the English verb for conversation groups] Sbornik uprazhnenii po neliichnym formam angliiskogo glagola dlia grupp ustnoi praktiki. Sost. E. A. Zvereva, I. K. Likhacheva, N. S. Shchukareva. Moskva, Izd-vo Akad. nauk SSSR, 1962. 129 p.

ENGLISH LITERATURE—HISTORY AND CRITICISM

Panorama with "darkness." A. Plistinatova. Vop. lit. 7 no. 9:236-239 S '63.

ENIGMATITE

Cossyrite is identical with enigmatite. Z. V. Shlukova. Trudy Min. muz. no. 14:262-264 '63.

ENSILAGE

Kalashnikov, A. P. [Silage type of feeding for cattle] Silosnyi tip kormleniia krupnogo rogatogo skota. Moskva, Sel'khozizdat, 1963. 158 p. (DNAL)

New ensilage harvesting combines. L. Musinov. Tekh. v sel'khoz. 23 no. 2:45-48 F '63.

Possibility of using milk vetches for ensilage. V. N. Vagapova. Trudy Alma-At. bot. sada 7:94-99 '63.

ENTIRE FUNCTIONS see Functions, Entire

ENTOMOLOGY—CONGRESSES

Toward the 5th Conference of the All-Union Entomological Society. V. V. Alkhontov. Zashch. rast. ot vred. i bol. 8 no. 8:59-60 Ag '63.

ENTROPY

Entropy of the distribution of coordinates and pulses of a particle situated in a potential well with infinite walls. A. S. Rubanov, G. I. Sedoi. Dokl. AN BSSR 7 no. 7:440-442 Jl '63.

ENUGU, NIGERIA—STRIKES AND LOCKOUTS—MINERS

Heirs of the heroes of Enugu. V. Sof'in. Az. i Afr. segi. no. 9:60-61 S '63.

ENVELOPES (GEOMETRY)

Stability criteria for nonlinear regulated systems based on the method for finding envelopes. A. K. Bedel'baev. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2:52-59 '63.

ENZYMES

Complete utilization of endocrine enzymes raw materials. N. Belen'kii. Mias. ind. SSSR 34 no. 4:6-11 '63.

Factors affecting the yield of endocrine enzymes and special raw materials. E. Kuzenko. Mias. ind. SSSR 34 no. 4:11-15 '63.

Our methods for the utilization of endocrine enzymes raw materials. D. Kholevenkov. Mias. ind. SSSR 34 no. 1:17-18 '63.

Refractometric control of the salting out of enzyme preparations. N. Chamin. Mias. ind. SSSR 34 no. 4:19-21 '63.

Selecting the efficient producer of cytolytic enzymes. L. S. Salmanova, V. I. Bukanova. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no. 9:48-53 '62.

ENZYMES—PRESERVATION

Freezing of endocrine enzyme raw materials in polyethylene films. O. Burova and others. Mias. ind. SSSR 34 no. 4:16-17 '63.

EOSINOPHILIC GRANULOMA

Eosinophilic granuloma of the temporal bone. M. K. Stoliarova, S. A. Kaliab. Zhur. ush., nos. i gorl. bol. 23 no. 4:76-78 Jl-Ag '63.

EOSINOPHILS

Blood eosinophilia in some diseases of the digestive organs. I. P. Lernet, A. M. Kreidich, E. V. Andrushchenko. Vrach. delo no. 9:133-135 S '63.

EPIC POETRY, ASSYRO-BABYLONIAN

"The epic of Gilgamesh (someone who has seen everything)." Translated from the Akkadian. Reviewed by I. V. Gamkrelidze. Vest. drev. ist. no. 1:95-104 '63.

EPIC POETRY, SERBIAN

Golenishchev-Kutuzov, I. N., ed. [Serbian national epic. Translated from the Serbian] Epos serbskogo naroda. Moskva, Izd-vo Akad. nauk SSSR, 1963. 354 p. (Akademiia nauk SSSR. Literaturnye pamiatniki)

EPIDOTE see subdivision under Caucasus, Northern

EPIGENESIS (GEOLOGY) see subdivision under Minusinsk Basin

EPILEPSY

Epileptiform syndrome in rheumatic fever [with summary in English]. N. M. Shikhova, N. V. Timofeeva. Vrach. delo no. 7:17-21 Jl '63.

EPILIN

Treatment in mycoses of the scalp with 4% epilin plaster [with summary in English]. L. I. Fandeev, G. T. Artem'eva. Vest. derm. i ven. 37 no. 2:78-80 F '63.

EPITHELIUM

Columnar cells of the oviduct epithelium in farm animals. Sh. E. Chkhartishvili. Sbor. trud. Gruz. zootekh.-vet. nauch.-issl. inst. 32:45-58 '61.

Effect of air ions on the ciliate epithelium. G. K. Trofimov, O. V. Tsyrov. Izv. AN Kazakh. SSR Ser. med. nauk no. 1:47-52 '63.

EPOXY RESINS

Lacquers with a base of epoxy resins modified by phenol-formaldehyde resins. V. V. Zhebrovskii, N. M. Lisovskaia, A. D. Parkhomovskaia. Lakokras. mat. i ikh. prim. no. 4:3-4 '63.

Modification of epoxide resins with feryl resins. L. L. Matsiuk, Kh. Sh. Khariton, E. V. Zobov. Plast. massy no. 9:69-70 '63.

New brands of epoxy adhesive for sealing glass textolite to metals. M. N. Bokin, E. M. Ershov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:27-28 '63.

Use of epoxy resins in the manufacture of road concrete. A. S. Elenovich, K. P. Mashin. Plast. massy no. 10:61-62 '63.

Using epoxy compositions in making master forms. S. E. Finkel'. Vest. mashinostr. 43 no. 9:41-43 S '63.

Vulcanization of chloroprene rubber with epoxy resins. N. D. Zakharov, G. A. Maiorov. Kauch. i rez. 22 no. 8:8-11 Ag '63.

EQUATIONS

Equation for a surface type condenser without taking into consideration the presence of liquid in the steam space. Trudy LTiT5BP no. 11:170-179 '62.

ERBIUM ISOTOPES

Resonance levels of erbium isotopes. M. F. Vlasov, V. P. Vertebnyi, A. L. Kirilluk. Atom. energ. 15

ER
C
n

ERI
Ca
s
i
n

ER
Pa
in
C
n

ERI
Pal
in
D
nc

FROSHEVSKO, VASILII IAKOVLEVICH, d 1962
A [illegible] Azerbaijan. M, Vrachebnoe delo, no. [illegible] '63

FROZEN
(see also solidification under Azerbaijan)
Burlaka, A. L. [Basic regulations for the control of soil erosion and silting by water and wind] Osnovnye polozheniia po bor'be s vodnoi i vetrovoi eroziei pochv. Moskva, Sel'khozizdat, 1962. 71 p. (DNAL)

FROST, FREDERICK JAMES, 1914-
People and events: Ali Sastroamidjojo, Frederick James Frost [illegible] 21 no 37 10 S '63

FROSTS, THEORY OF
Determining spatial error in a given direction. A. S. Shebanov, G. P. Kaftan, Kandy [illegible] Geodeziia i kartografiia, no. 2 122-125 '63
Formulas for determining the areas and some other characteristics of [illegible] based on [illegible] V. V. Brazhnikov. Vestsi AN BSSR Ser fiz-tekh nav no 2 113-118 '63
Errors in [illegible] and their determination. I. Bilik. Trudy Sakhalinsk [illegible] AN Kazakh SSR 2 [illegible] '63
Investigating the error of the straight line method in solving Gauss's problems. V. L. Karlov, O. A. Lisovets. Dokl. AN BSSR 7 no. 8 505-508 Ag '63
Integral relations method for the Goursat problem. V. I. Fryl'ev, V. V. Pukhov. Dokl. AN BSSR 7 no. 7 433-436 Jl '63.

ERYSIPELOID see subdivision under Leninakan region

ERYTHROBLASTOSIS FETALIS
How [illegible] in cases of newborn infants in connection with the [illegible] of the maternal and fetal blood according to the ABO system. V. M. Nersesian. Zhur eksp i klin med 3 no 2 77-79 '63

ERYTHROCYTES
Destruction of the erythrocytes of vertebrates in the digestive tract of bloodsucking arthropods. Iu. S. Balashov. Dokl. AN SSSR 151 no. 6 1470-1473 Ag '63.
Volume of erythrocytes in [illegible] arteritis obliterans. E. B. Babskaia. Zhur. eksp i klin med. 3 no 1 37-44 '63

ESCHERICHIA COLI
Antibiotic therapy for young farm animals with salmonellosis and colibacillosis. I. I. Kotenko. Veterinariia 39 no 11 69-71 N '62
Antigenic properties of the cellular structures of Escherich a coli [with summary in English] E. S. Stanislavskii, M. I. Zhdanovskaia. Zhur. mikrobiol., epidem. i immun. 40 no 1 32-38 '63
Directed change in the properties of dysentery (Flexner's c and f types) and intestinal bacteria within the cecum of a rabbit. A. A. Abidov. Trudy TashNIIVS 5 86-93 '62
Specific bacterial keratoconjunctivitis. A. A. Abidov. Trudy TashNIIVS 5 77-85 '62
Study of the etiology of intestinal diseases with a dysenteric syndrome in children under the age of two. Kh. M. Slavina and others. Trudy TashNIIVS 5 53-58 '62
Variation of Bact. coli commune under the influence of extracts prepared from the content of the large intestine of patients with acute dysentery. A. A. Abidov. Trudy TashNIIVS 5 101-104 '62

ESENIN, SERGEI ALEKSANDROVICH, 1895-1925
Esenin in Sytin's printing house. IUrii Prokushev. Ogonek 41 no 22 12-14 My '63
Esenin's poetry in Russian criticism. P. F. IUshin. Vest. Mosk. un. Ser. 7 Filol., zhur. 18 no. 4:88-96 Jl-Ag '63.
"And today in Baku...." Smena 40 no. 15:16 Ag '63.

ESOPHAGUS
Changes in the esophagus in chronic mediastinitis [with summary in English] E. M. Kagan and others. Vest. rentgenol. i rad. 38 no 1:5-10 Ja-F '63.

ESOPHAGUS—CANCER
Centering and estimating the focal dose in static telegammatherapy of esophageal cancer. K. I. Zholkiver. Zdrav. Kazakh. 23 no 2 21-23 '63.
Operations of choice in cancer of the thoracic section of the esophagus. M. I. Briakin, T. P. Deniagina. Zdrav. kazakh. 23 no. 2 8-11 '63.
Resection of the esophagus for cancer, with intrathoracic anastomosis, in a patient having had a previous gastrectomy. D. V. Fedotkin. Grud. khir. 4 no. 6:100-101 N-D '62
Total proteins and protein fractions of the blood serum and the nature of their changes under the influence of preoperative preparation in patients with cancer of the cardial section of the stomach and esophagus [with summary in English] M. D. Lapin. Grud. khir. 4 no 6: 84-88 N-D '62

ESOPHAGUS—RADIOGRAPHY
Centering and estimating the focal dose in static telegammatherapy of esophageal cancer. K. I. Zholkiver. Zdrav. Kazakh. 23 no 2:21-23 '63.
Experience in mass prophylactic examination of the esophagus with a large-frame fluorograph. A. Turganbaev. Zdrav. Kazakh. 23 no. 2 18-20 '63

ESOPHAGUS—SURGERY
Operations of choice in cancer of the thoracic section of the esophagus. M. I. Briakin, T. P. Deniagina. Zdrav. Kazakh. 23 no. 2 8-11 '63.
Preoperative determination of the length of the mobilized [illegible] necessary for the creation of a transpleural artificial esophagus [with summary in English]. I. V. Pshenichnikov, E. A. Pechatnikova. Eksper. khir. i anest. no 1 36-39 '63
Research on the functional characteristics of a prosthetic esophagus [with summary in English] L. G. Kharitonov, E. M. Kagan, M. P. Benenson. Grud. khir. 4 no 6 80-83 N-D '62

ESPIONAGE
Viktorov, B. A. [Spies disguised as tourists] Shpiony pod maskoi turistov. Moskva, Voenizdat, 1963. 53 p.

ESPIONAGE, AMERICAN
[Caught red-handed]; a collection of facts on the espionage and other subversive activities of the U. S. A. against the U. S. S. R.] Poimany s polichnym, sbornik faktov o shpionazhe i drugikh podryvnykh deistviiakh SShA protiv SSSR. 2, izd. Moskva, Gospolitizdat, 1962. 151 p.

ESSENCES AND ESSENTIAL OILS
New flower raw products for the manufacture of extractive essential oils. A. I. Makovkina. Masl.-zhir. prom. 29 no 8:16-17 Ag '63
Put the achievements of chemistry at the service of the perfumery and cosmetics industry. Masl.-zhir. prom. 29 no 8:1-4 S '63.
Simplified method for the conversion of ω-chlorocarboxylic acids into corresponding lactones. V. N. Belov, S. G. Pollakova. Masl.-zhir. prom. 29 no. 8 18-20 Ag '63

ESTERASES
Changes in nonspecific esterase activity during experimental disorders of lipid metabolism [with summary in English] F. L. Leites. Pat. fiziol. i eksp. terap. 7 no 2 50-54 Mr-Ap '63

ESTERS
Combined setting of polyesters for the preparation of articles by the directed fiber perform process. E. G. Trostianskaia and others. Plast. massy no. 6:13-15 '63.
Polymeric materials based on the condensation products of alicyclic ketones with aldehydes. Synthesis and study of polyesters based on 2, 2, 6, 6-tetra-(hydroxymethyl)-cyclohexanol and 2, 2, 5, 5-tetra-(hydroxymethyl)-cyclopentanone. I. V. Kamenskii and others. Plast. massy no. 6:18-20 '63.
Production of synthetic lubricating oils of the type of mono- and dicarboxylic acid esters. V. I. Isaguliants and others. Khim. i tekh. topl. i masel 8 no. 2:15-20 F '63.
Separate determining of the butyl esters of volatile acids by the gas-liquid chromatography method. IU. K. Shaposhnikov, K. P. Vedeneev, IU. V. Vodzinskii. Gidroliz. i lesokhim. prom. 16 no 6 20-22 '63.
Some esters of ethyl-α-bromovinylphosphinic acid. Gil'm Kamai, V. S. TSivunin, L. A. Papina. Trudy KKHTI no 30 11-17 '62.
Synthesis of polyesters based on trivalent phosphorus acids by condensation polymerization at the interface. E. V. Kuznetsov, I. M. Shermergorn, V. A. Bellaeva. Trudy KKHTI no 30:70-76 '62.
Thermal aging of polyester coatings [with summary in English]. Z. P. Grozinskaia, A. T. Sanzharovskii, P. I. Zubov. Koll. zhur. 25 no. 5:505-511 S-O '63

ESTERS—SPECTRA
Characteristics of infrared spectra of simple and complex cellulose esters in the frequency region of ether bonds. R. Marupov. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 3 128-131 '63.

ESTONIA—AFFORESTATION
Estonian upland swamps and their utilization in forestry. U. A. Valk. Les. khoz. 16 no. 3:14-16 Mr '63.

ESTONIA—ELECTION LAW
Estonian S. S. R. Laws, statutes, etc. [Statute on elections to district, city settlement, and village soviets of workers' deputies in the Estonian S. S. R. Adopted by decree of the Presidium of the Supreme Soviet of the Estonian S. S. R., December 20, 1954. With amendments introduced by decrees of the Presidium of the Supreme Soviet of the Estonian S. S. R., December 27, 1958, January 13, 1959, and January 19, 1963] Polozhenie o vyborakh v raionnye, gorodskie, poselkovye i sel'skie Sovety deputatov trudiashchikhsia Estonskoi SSR. Tekst, utverzhdennyi Ukazom Prezidiuma Verkhovnogo Soveta Estonskoi SSR ot 20 dekabria 1954 g., s izmeneniiami i dopolneniiami, vnesennymi Ukazami Prezidiuma Verkhovnogo Soveta Estonskoi SSR ot 27 dekabria 1958 g., 13 ianvaria 1959 g, i 19 ianvaria 1963 g. Tallinn, Estonskoe gos. izd-vo 1963. 35 p.

ESTONIA—FISHING
Eesti NSV spordiühingute ja organisatsioonide [illegible] spordifederatsioon. [A fisherman's talks] [illegible] mees vestleb. Tallinn, Valv "Kalevi" Kalliste [illegible] spordiklubi, 1962. 110 p. [In Estonian]

ESTONIA—FOREST MANAGEMENT
Gradual cuttings in Estonia. Kh. O. Teder. [illegible] 16 no. 7:34-35 Jl '63.

ESTONIA—FORESTS AND FORESTRY—ECONOMIC ASPECTS
Cost of growing trees. J. Tõldsepp. Les. khoz. 16 no. 3:47-51 Mr '63.

ESTONIA—GLACIAL EPOCH
Distribution of indicator boulders in the [illegible] last glaciation of the Estonian S. S. R. [with summary in English]. A. Raukas. Izv. AN Est. SSR, Ser. mat. i tekh. nauk 12 no. 2:198-211 '63.

ESTONIA—INDUSTRIAL HYGIENE
Along the path of happiness. V. Khmeleva. [illegible] i gots. strakh. 6 no. 8:14-16 Ag '63.

ESTONIA—INTERNATIONAL EDUCATION
It is and it will be! Vello Ranne. Ogonek 41 [illegible] My '63.

ESTONIA—KARST
Studies of karst carried out by the Institute of [illegible] of the Academy of Sciences of the Estonian [illegible] A. M. Verte, J. I. Helnsalu. Nov. issl. i rabot. [illegible] 35 '63.

ESTONIA—LABOR AND LABORING CLASSES
Along the path of happiness. V. Khmeleva. [illegible] i gots. strakh. 6 no. 8:14-16 Ag '63.

ESTONIA—MACHINERY INDUSTRY—PHOTOGRAPHIC STANDARDS
Eliminate shortcomings in establishing work [illegible] efficiently. M. Zelikson. Sots. trud. 8 no. [illegible] Jl '63.

ESTONIA—METAL CUTTING—PRODUCTION STANDARDS
Eliminate shortcomings in establishing work [illegible] efficiently. M. Zelikson. Sots. trud. 8 no. [illegible] Jl '63.

ESTONIA—MORAINES
Field trip to the region of marginal formations [illegible] ern Estonia. E. E. Rahnl. Trudy Kom. chetv. per. [illegible] 156-169 '63.
Marginal formations of the last glaciation in [illegible] Estonia. E. E. Rahnl. Trudy Kom. chetv. per. [illegible] 65 '63.
Marginal glacial formations in southeastern Estonia. K. F. Kajak. Trudy Kom. chetv. per. 21:88 '63.

ESTONIA—POLITICS AND GOVERNMENT
Sitvet, E. [Toward communist communal self-government; work of the soviets of workers' deputies of the Estonian S. S. R. in the development of socialist democracy] Uhiskonna kommunistiliku omavalitsuse [illegible] Eesti NSV tooliahva saadikute noukogude [illegible] sitsialistliku demokraatia edasiarendamisel. [illegible] Eesti Riiklik Kirjastus, 1963. 98 p. [In Estonian]

ESTONIA—SOCIAL CONDITIONS
It is and it will be! Vello Ranne. Ogonek 41 [illegible] My '63.

ESTONIA—STANDARDIZATION
Conference on standardization in the Estonian [illegible] N. N. Kalabugina. Standartizatsiia 27 no. 9 [illegible] '63.

ESTONIA—SWAMPS
Estonian upland swamps and their utilization in forestry. U. A. Valk. Les. khoz. 16 no. 3:14-16 Mr '63.

ESTONIA—TRACTORS—ECONOMIC ASPECTS
Branton, L. [Cost of tractor operations and the expediency of organization of tractor centers on collective farms in Northern Estonia] Traktoriloode omahind ja traktorpargi otstarbekohane struktuur Poija-Eesti kolhoosides. Tallinn, Eesti Riiklik Kirjastus, 1961. 177 p. [In Estonian with summaries in Russian and German] (DNAL)

ESTONIAN FOLK SONGS see Folk songs, Estonian

ESTONIAN FOLKLORE see Folklore, Estonian

ESTONIAN LITERATURE—HISTORY AND CRITICISM
Jogi, O. [Literary coordinates; articles and reviews] Kirjanduse koordinaadid; artikleid ja arvustusi. Tallinn, Eesti Riiklik Kirjastus, 1963. 157 p. [In Estonian]

ESTROGENS
Effect of estrogens on the development of experimental atherosclerosis in rabbits of different ages [with summary in English] I. D. Nasledova, IA. D. Hafez-Pasha. Pat. fiziol. i eksp. terap. 7 no. 1:44-48 Ja-F '63

ETCHING
Structure of polyamide fibers studied by the etching [illegible] V. A. Berestnev, L. S. Dubova, E. S. Alekseeva. [illegible] volok. no. 6:29-31 '63.

ETHANES

Interaction of vinyl alkyl ethers with trimethylolethane. A. S. Atavin, N. P. Vasil'ev, A. A. Vasil'eva, Izv. SO AN SSSR no. 7, Ser. khim. nauk no. 2 93-98 '63.

ETHANES—OPTICAL PROPERTIES

Calculation of the electro-optical parameters of ethane and methane. L. M. Sverdlov, N. I. Prokof'eva. Opt. i spektr. 15 no. 3 424-426 S '63.

Calculation of the electro-optical parameters of ethane and methane, comments on the article by L. M. Sverdlov and N. I. Prokof'eva. L. A. Gribov. Opt. i spektr. 15 no. 3 429-431 S '63.

ETHANOL

Thermodynamics of a stepped complex formation of nickel ions with triethanolamine. A. IA. Sychev, A. P. Gerbeleu, P. K. Migal'. Zhur. neorg. khim. 8 no. 9,2070-2073 S '63.

ETHERS

Interaction of vinyl alkyl ethers with trimethylolethane. A. S. Atavin, N. P. Vasil'ev, A. A. Vasil'eva. Izv. SO AN SSSR no. 7, Ser. khim. nauk no. 2 93-98 '63.

Ivanov, V. G., and N. V. Rybakova. [The nature of ethics] Chto takoe etika. Moskva, Gospolitizdat, 1963. 46 p.

Reactions of exchange decomposition of metallic derivatives of acid amides. Report No. 2. Interaction of sodium and silver salts of benzamide with monochloromethyl, monobromomethyl, and monochloromethylethyl ethers. A. E. Arbuzov, O. M. Shapshinskaia. Trudy KKHTI no. 30,22-27 '62.

Synthesis of monosubstituted 2-nitroalkyl ethers of ethylene glycol. L. M. Kozlov, T. M. Khannanov, L. K. Abramovich. Trudy KKHTI no. 30;92-95 '62.

Synthesis of nitroalkyl ethers of propylene glycol. L. M. Kozlov, V. I. Burmistrov, A. V. Solodov. Trudy KKHTI no. 30;96-100 '62.

ETHIOPIA—MEDICAL ASSISTANCE, RUSSIAN

In the land of the "sunburned." M. S. Votrov. Sov. Kras. krest 13 no. 2 26-27 Mr-Ap '63.

ETHNOLOGICAL RESEARCH see subdivision under Galicia, Georgia

ETHNOLOGY see subdivision under Kabardino-Balkar A.S.S.R.; Ossetia

ETHYL CHLORIDE—THERAPEUTIC USE

Effect of ethyl chloride blockade on the permeability of the histohematic barrier, according to data of a radioactive phosphorus study [with summary in English]. L. Lauceviclus, E. Nekrasas, E. Motejunaite. Vrach. delo no. 9,93-96 S '63.

ETHYL SULFATE—PHYSIOLOGICAL EFFECT

The rate of 75% sex-linked mutations induced by diethyl sulfate as a criterion of the nonroentgenomimemtic mechanism. I. A. Rapoport. Biul. MOIP Otd. biol. 68 no. 5,103-108 S-O '63.

ETHYLENE

Over-all automation of the process of alkylation of benzene by ethylene. F. M. Abdullaev. Za tekh. prog. 3 no. 9 9-11 S '63.

Preparation of latexes by copolymerization of vinylidene chloride with butadiene and 2-methyl-5-vinylpyridine at low temperature, and some of their properties. P. A. Kirpichnikov, I. V. Kornei. Trudy KKHTI no. 30; 174-177 '62.

Use of trichloroethylene (narkogen) for anesthesia and analgesia. E. P. Svadzhian. Eksper. khir. i anest. no. 1;60-65 '63.

ETHYLENE GLYCOL

Synthesis of monosubstituted 2-nitroalkyl ethers of ethylene glycol. L. M. Kozlov, T. M. Khannanov, L. K. Abramovich. Trudy KKHTI no. 30-92-95 '62.

ETIQUETTE FOR CHILDREN AND YOUTH

Dorokhov, A. A. [This is worth remembering; a book about how to conduct yourself so that life would be better and more pleasant for you and others] Eto stoit zapomnit', kniga o tom, kak sebia vesti, chtoby i tebe i drugim bylo luchshe i priiatnee zhit'. Moskva, Degiz, 1963. 94 p. (Shkol'naia biblioteka)

EUCLID'S ELEMENTS

Basic propositions by Shams al-Din Muhammad ibn Ashraf al-Husaini al-Samarqandi [extract, translated from the Arabic]. Ist.-mat. issl. no. 14;598-602 '61.

Book on the proof of Euclid's famous postulate, belonging to Thabit ibn Qurrah al-Harrani [translated from the Arabic]. Ist.-mat. issl. no. 14;593-597 '61.

Proofs of Euclid's Fifth Postulate in works by Thabit ibn Qurrah al-Harrani and Shams al-Din al-Samarqandi. B. A. Rozenfel'd, A. P. Ushkevich. Ist.-mat. issl. no. 14;587-592 '61.

EUCOLITE see subdivision under Khibiny Mountains

EUROPE—ECONOMIC INTEGRATION

Mr. Brandt "refutes" Marxism. V. Kniazhinskii. Mir. ekon. i mezhdunar. otn. no. 9;80-81 '63.

EUROPE—ENCEPHALITIS VIRUSES

Comparative study of the horizontal and vertical structure of some natural foci of tick-borne encephalitis in Central and Southeastern Europe [with summary in English] B. Rositskii. Med. parazit. i parazit. bol. 32 no. 1 29-34 Ja-F '63.

EUROPE—GLACIAL EPOCH

Chronology and paleogeography of the last glacial epoch in Northern Europe. L. P. Serebrianyi. Trudy Kom. chetv. per. 21 148-155 '63.

EUROPE—SECURITY, INTERNATIONAL

The struggle of the U.S.S.R. for collective security in Europe during the years 1933-1935. Mezhdunar. zhizn' 10 no. 10 150-159 O '63.

EUROPE—TICKS AS CARRIERS OF DISEASE

Comparative study of the horizontal and vertical structure of some natural foci of tick-borne encephalitis in Central and Southeastern Europe [with summary in English]. B. Rositskii. Med. parazit. i parazit. bol. 32 no. 1 29-34 Ja-F '63.

EUROPE, EASTERN—BONUS SYSTEM

Issuing bonuses to engineering and technical workers and employees in several European socialist countries. V. Gruzinov. Sots. trud 8 no. 9 122-129 S '63.

EUROPE, EASTERN—CHEMICAL INDUSTRIES

By joint effort. Agitator no. 20;19 O '63.

EUROPE, EASTERN—CRANIOLOGY

Some new materials on the craniology of the northwestern regions of Eastern Europe in the Middle Ages. T. I. Alekseeva. Trudy Inst. etn. 82;122-143 '63.

EUROPE, EASTERN—DESCRIPTION AND TRAVEL

Krivitskii, A. IU. [Berlin motifs; documentary stories] Berlinskie motivy; dokumental'nye novelly. [Moskva] Moskovskii rabochii, 1963. 135 p.

EUROPE, EASTERN—ELECTRIC POWER DISTRIBUTION

The "Peace" electric power system. I. Maksimov. Mezhdunar. zhizn' 10 no. 9;142-143 S '63.

EUROPE, EASTERN—ELECTRIFICATION

Arteries of socialism [with summary in English, p. 64]. A. Popov. Vnesh. torg. 43 no. 9 3-8 '63.

EUROPE, EASTERN—FOREIGN ECONOMIC RELATIONS

Successes of the economic cooperation among the members of the Mutual Economic Assistance Council. B. Ladygin, IU. Shirinev. Polit. samoobr. 7 no. 10; 113-118 O '63.

EUROPE, EASTERN—FOREIGN ECONOMIC RELATIONS—GERMANY, EAST

Economic cooperation of the German Democratic Republic with the countries of the socialist commonwealth. A. Telefus. Mezhdunar. zhizn' 10 no. 9 145-146 S '63.

EUROPE, EASTERN—POWER RESOURCES

Cooperation of the Mutual Economic Assistance Council countries in developing fuel and power industries. N. Popov. Mir. ekon. i mezhdunar. otn. no. 9,100-105 '63.

EUROPE, EASTERN—RED CROSS—CONGRESSES

Youth strengthens friendship. E. Kuzin. Sov. Kras. krest 13 no. 2 28-29 Mr-Ap '63.

EUROPE, EASTERN—STANDARDIZATION

The Mutual Economic Assistance Council and the problems of standardization. I. Maksimov. Mezhdunar. zhizn' 10 no. 10;133-134 O '63.

EUROPE, EASTERN—TECHNICIANS IN INDUSTRY

Issuing bonuses to engineering and technical workers and employees in several European socialist countries. V. Gruzinov. Sots. trud 8 no. 9 122-129 S '63.

EUROPE, EASTERN—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Krivitskii, A. IU. [Berlin motifs; documentary stories] Berlinskie motivy; dokumental'nye novelly. [Moskva] Moskovskii rabochii, 1963. 135 p.

EUROPE, EASTERN—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Unity of the Slavic peoples in their struggle against fascism. I. Hrozilenchyk. Ukr. ist. zhur. 7 no. 4,56-60 Jl-Ag '63.

EUROPE, WESTERN—ATOMIC WEAPONS

Another attack of nuclear fever. I. Ermashev. Nov. vrem. 21 no. 40;6-8 O '63.

EUROPE, WESTERN—CITIES AND TOWNS

Problems concerning the early history of medieval European cities in the interpretation of present-day bourgeois West German historiography. B. I. Rya'kin. Sred. vek. no. 23;238-245 '63.

EUROPE, WESTERN—ECONOMIC CONDITIONS

Role of slave labor on colonial plantations in the primary accumulation of capital in Western Europe, based on the materials of Brazilian history. B. I. Koval'. Sred. vek. no. 23;198-215 '63.

EUROPE, WESTERN—FOREIGN RELATIONS—UNITED STATES

The "strategy of peace" and the "Atlantic community." A. Sovetov. Mezhdunar. zhizn' 10 no. 9,30-39 S '63.

U.S.A. and the "change of guards" in Europe. J. Berlioz. Mezhdunar. zhizn' 10 no. 9 127-130 S '63.

EUROPE, WESTERN—HISTORY

History of international relations in Western Europe in the late 12th and the early 13th century. M. A. Zaborov. Sred. vek. no. 23 120-133 '63.

EUROPE, WESTERN—LABOR LAWS AND LEGISLATION

Labor laws and the exploitation of workers in capitalist countries. IUrgen Kuchinskii, Lotta TSumpe. Okhr. truda i sots. strakh. 6 no. 8;45-46 Ag '63.

EUROPE, WESTERN—MIDDLE AGES

Problem of West European commerce from the 9th through the 13th century in present-day western medievalistic studies, apropos of a discussion of Henri Pirenne's concepts. IU. L. Bessmertnyi. Sred. vek no. 23;248-264 '63.

EUROPE, WESTERN—POLITICS

U.S.A. and the "change of guards" in Europe. J. Berlioz. Mezhdunar. zhizn' 10 no. 9;127-130 S '63.

EUROPEAN ECONOMIC COMMUNITY

On the problems of the "Common Market." Vnesh. torg. 43 no. 9 25-28 '63.

EUROPEAN ECONOMIC COMMUNITY COUNTRIES—BALANCE OF PAYMENTS

Foreign exchange problems of the "Common Market." G. Lopatin. Mir. ekon. i mezhdunar. otn. no. 9;72-80 '63.

EUROPEAN ECONOMIC COMMUNITY COUNTRIES—FOREIGN ECONOMIC RELATIONS—AFRICA

A new agreement with an old aim. IA. Etinger. Mezhdunar. zhizn' 10 no. 9 112-119 S '63.

EUROPEAN ECONOMIC COMMUNITY COUNTRIES—FOREIGN ECONOMIC RELATIONS—UNITED STATES

The dollar's ventures in Europe. N. Polianov. Mezhdunar. zhizn' 10 no. 10 86-93 O '63.

EUROPEAN WAR, 1914-1918

A veteran of the First World War. V. Labirov. Voen.-ist. zhur. 5 no. 8;112-111 Ag '63.

EUROPIUM COMPOUNDS

Complex formation of europium with an oxalate ion studied by the ion exchange method. A. S. Kel'chuk, V. I. Parfenova. Radiokhimiia 5 no. 4;464-473 '63.

EURYGASTERS—EXTERMINATION see subdivision under Orenburg Province

EUTECTICS

Structure and properties of alloys obtained by the eutectic change method. E. M. Savitskii, T. A. Kim. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no. 4;80-84 Jl-Ag '63.

EVAPORATING APPLIANCES

Highly effective vertical, louvered spray trap for evaporators. N. P. Kuz'min. Tsvet. met. 36 no. 5;82-84 My '63.

EVAPORATION

Conservation of constant proportions in binary alloys allowed to evaporate from an open surface into a vacuum. R. G. Avarbe, S. S. Nikol'skii. Teplofiz. vys. temp. 1 no. 1 39-44 Jl-Ag '63.

Mechanism underlying high-temperature volatilization of ruthenium coprecipitated with various substances. IU. N. Golovanov and others. Atom. energ. 15 no. 3; 219-223 S '63.

EVENING AND CONTINUATION SCHOOLS

Akademiia pedagogicheskikh nauk RSFSR, Moscow. [Improving the vocational qualifications of evening (staggered) school students] Povyshenie professional'noi kvalifikatsii uchashchikhsia vechernikh (smennykh) shkol. Pod red. O. F. Fedorovoi. Moskva, 1962. 134 p. (Pedagogicheskie chteniia)

Reorganization of the physics course in evening schools. L. I. Moroz. Sov. pedag. 27 no. 8 73-78 Ag '63.

Students organize a workers' faculty at a pedagogical institute. V. A. Gandel'man. Sov. pedag. 27 no. 8,94-100 Ag '63.

Using the students' experience in life and production. A. A. Ilykin. Rad. shk. 42 no. 9;20-22 S '63.

EVIDENCE (LAW)

Correlation between the introduction of evidence and the pretrial investigation of criminal offenses. A. Kolesnichenko. Sots. zakon. 40 no. 8;54-55 Ag '63.

Some problems of the theory of evidence. A. Larin. Sots. zakon. 40 no. 8;51-53 Ag '63.

EVIDENCE, DOCUMENTARY

[illegible] Leningrad, Gos. nauchno-issledovatel'skii institut sudebnykh ekspertiz, Ministerstvo yustitsii RSFSR. Trudy, vyp. 7. 1960. 165 p. [illegible] (MICROFILM)

EVOLUTION

[illegible] Trudy Leningradskogo obshchestva estestvoispytatelei, t. 71, vyp. 1. Leningrad, Izd-vo Leningradskogo universiteta, 1960. 165 p. (MICROFILM)

EXCAVATING MACHINERY

[illegible] Mekh. stroi. 20 no. 4:41-42 Ap '63.

Earthmoving equipment for the case of ETU-3b3 [illegible] Mekh. stroi. 20 no. 4:42-43 Ap '63.

[illegible] Mekh. stroi. 20 no. 4:43-45 Ap '63.

[illegible] Ogne-prov. 23 no. 9:426 [illegible].

[illegible] Mekh. stroi. 20 no. 4:42-43 Ap '63.

Working frozen ground [illegible] Mekh. stroi. 20 no. 2:16 F '63.

Working frozen ground with rotary excavators in the Main Kuybyshev Industrial Construction in the Tol'yatti Area. D. A. Ivanov, V. D. Panin, Ill.-24 Trekhsp. Mosenergostroi. 20 no. 3:17 S '63.

EXCAVATING MACHINERY—MAINTENANCE AND REPAIR
(see also subdivision under Chernobyl')

Reconditioning the running gear of the E-352 excavator. I. P. [illegible]. Tekh. v sel'khoz. 23 no. 3:76 Mr '63.

EXCAVATING MACHINERY—MODELS

Model of a working excavator. I. M. Bobrykin. Shkola i proiz. 7 no. 3:25-26 S '63.

EXCAVATIONS (ARCHAEOLOGY) see subdivision under Merv

EXCITONS

Photoelectric effect in a semi-infinite crystal near the exciton absorption region. V. I. Sugakov. Fiz. tver. tela 5 no. 2:482-487 F '63.

Excitons in ionic crystals [with summary in English]. A. S. Davydov. Zhur. eksp. i teor. fiz. 45 no. 4:723-729 O '63.

EXECUTIONS (LAW)

Decree of the Supreme Soviet of the R.S.F.S.R. "On the amendment of Article 255 of the civil procedure code of the R.S.F.S.R." Inform. sbor. TSNIIMF no. 72:Mor. pravo i prak. no. 16:23 '62.

Not for imitation. Sov. iust. no. 15:31 Ag '63.

Not for imitation. Sov. iust. no. 17:32 S '63.

Some problems concerning the execution of judicial decisions. I. Gorokhov. Sov. iust. no. 17:12-13 S '63.

EXHAUST SYSTEMS

Increasing the efficiency of pneumatic conveyors at saw milling workshops. G. M. Dobrunov, G. I. Kamneva. Der. prom. 12 no. 10:23-24 O '63.

Some problems of the installation of exhaust systems in oil plants. B. A. Vasilenko. Masl.-zhir. prom. 29 no. 8:26 Ag '63.

Ventilating pressure vessels during electric welding operations. I. S. Shaburov. Svar. proizv. no. 9:39-42 S '63.

EXOPHTHALMOS

Malignant exophthalmos [with summary in English]. T. N. Gerasimenko. Vrach. delo no. 9:71-76 S '63.

EXPANSION (HEAT)

Causes of changes in the thermal expansion of milk glass. E. V. Garkovskii, N. L. Kaminskaia. Stek. i ker. 20 no. 10:37-39 O '63.

EXPERIMENTAL MEDICINE see MEDICINE, Experimental

EXPERT EVIDENCE see Evidence, Expert

EXPLOSIVE FORMING

Die stamping by the explosion method. Nar. khoz. Kazakh. 21 no. 7:47 Jl '63.

EXPLOSIVES—TESTING

Stability of the combustion of liquid explosives under constant pressure conditions. A. D. Margolin, L. F. Chekirda, S. V. Chuiko. Inzh. zhur. 3 no. 3:460-467 '63.

EXPORT CREDIT

Cost of export credit in the equipment trade. V. Mogutin. Vnesh. torg. 43 no. 9:37-40 '63.

EXTINCT ANIMALS see subdivision under Siberia

EXTRACTION (CHEMISTRY)

Dissociation, dimerization, and distribution of di(2-ethylhexyl)phosphoric acid in the system octane - 1 M solution of $NaClO_4$ - $HClO_4$. V. S. Ufimov, R. A. Svirideva. Radiokhimiia 5 no. 4:419-421 '63.

Donor properties of phosphoryl and ester oxygen in tributyl phosphate. O. A. Osipov, V. I. Galvoronskii, A. A. Shvets. Zhur. neorg. khim. 8 no. 9:2189-2193 S '63.

Effect of temperature on the rate of the emulsion extraction of colloids [with summary in English]. L. D. Skrylev, S. G. Mokrushin. Koll. zhur. 25 no. 5:593-597 S-O '63.

Effect of the structural factors on the thermodynamic characteristics of the extraction of basic dye salts. Part 3. Equilibria in the extraction with a "dissociating" solvent. K. S. Krasnov. Radiokhimiia 5 no. 2:222-231 '63.

Extraction of complex acids with oxygen-containing solvents. Part 1. Extraction of micro- and macroquantities of antimony (V) with alcohols, ethers, and esters. G. M. Dakar, B. Z. Iofa, An. N. Nesmeianov. Radiokhimiia 5 no. 4:428-436 '63.

Extraction of tetravalent plutonium from nitric acid solutions with oxygen-containing extractants. V. A. Khalkin, F. N. Palei, A. A. Nemodruk. Radiokhimiia 5 no. 2:215-222 '63.

Mixtures of mono- and di(2,4-diethyl-1-octyl)methyl phosphonates as extractants. B. N. Laskorin and others. Radiokhimiia 5 no. 4:424-428 '63.

On a rational form of the law of distribution in the process of extraction. V. I. Levin. Radiokhimiia 5 no. 4:505-507 '63.

Using the extraction method in metallurgy. G. V. Ilinicheva. TSvet. met. 36 no. 9:1-7 S '63.

Vibrational spectra of zirconium complexes with organophosphorus derivatives. Part 1. Spectra of extracts from hydrochloric and nitric acid solutions. G. P. Nikitina, M. F. Pushlenkov. Radiokhimiia 5 no. 4:436-445 '63.

EXTRACTION APPARATUS

Efficiency factor as a criterion for the comparative evaluation of extraction apparatus. I. I. Ponikarov, A. M. Nikolaev. Trudy KKHTI no. 30:360-364 '62.

First book on centrifugal liquid extractors. N. N. Lipatov. Khim. mashinostr. no. 5:47 S-O '63.

Limit loads and mass transfer in a rotating-disk extractor. I. I. Ponikarov, A. M. Nikolaev, N. M. Zhavoronkov. Trudy KKHTI no. 30:352-359 '62.

EXTREMITIES (ANATOMY)—SURGERY

Effect of vitamin B_{12} on the regeneration of bone tissue (in surgical elongation of a human extremity). V. D. Dedova, T. I. Cherkasova. Ortop., travm. i protez. no. 1:38-42 '63.

EXTREMITIES (ANATOMY)—TRANSPLANTATION

Regeneration of femoral bone tissue following transplantation of an extremity; preliminary report. A. D. Khristich, K. I. Katonin. Ortop., travm. i protez. 24 no. 2:18-21 F '63.

EXTREMITIES, LOWER—ULCERS

Treatment of chronic ulcers of the lower extremities with ursall ointment derived from Allium ursinum. M. M. Levin. Vest. derm. i ven. 37 no. 2:82-83 F '63.

EXTREMITIES, LOWER—WOUNDS AND INJURIES

Treatment of traumas of the locomotor apparatus in athletes by local injections of hydrocortisone. Z. S. Mironova, R. I. Merkulova. Ortop., travm. i protez. no. 1:43-48 '63.

EXTRUSION (METALS)

Boundaries of a plastic deformation focus caused by extrusion. L. G. Stepanskii. Vest. mashinostr. 43 no. 9:59-62 S '63.

Mastering the production of drill pipes with inner tips made of the B95 alloy. V. M. Rozhkov and others. TSvet. met. 36 no. 9:79-84 S '63.

EYE—DISEASES AND DEFECTS

Behçet's syndrome, a case report. N. E. Komarover, E. D. Ozhelns, A. M. Palkin. Vest. derm. i ven. 37 no. 2:84-85 F '63.

EYE—INFLAMMATION

Uveitis. A. A. IAkovlev. Med. sestra 22 no. 8:26-30 Ag '63.

EYE—PROTECTION

Take care of your eyes. V. Grishina. Sov. profsoiuzy 19 no. 16:47 Ag '63.

EYE—SURGERY

Surgical treatment of retinal detachment. R. A. Gundorova. Med. sestra 22 no. 8:39-43 Ag '63.

FABLES, UKRAINIAN

Akademiia nauk URSR, Kiev. Institut [illegible] Ukrainian literature of the [illegible] landmarks of old Ukrainian literature [illegible] skii literatury XVII-XVIII st. [illegible] skoi literatury. Kyiv, Vydvo [illegible], 198 p.

The fable as a literary form of [illegible] Rad. lit. 7 no. 5:114-20 S-O '63.

FACTORIES—AIR CONDITIONING

Air, ventilation and health. V. [illegible] sota. stroikh. 6 no. 9:31-35 S '63.

FACTORIES—DESIGN AND CONSTRUCTION
(see also subdivision under Altai Mts.)

Economic efficiency of the utilization of energy resources of a plant in the design. [illegible] skii. Izv. Sib. otd. AN SSSR no. [illegible].

Fan-IUng, A. T. [Design and planning of prefabricated concrete [illegible] Proektirovanie sbornykh zhelezobetonnykh [illegible] promizdat, 1963. 271 p.

Shop arrangement in the heavy machine-building industry during construction stages. N. M. [illegible] NII po stroit. ASiA (Sverd.) no. 8:61 [illegible].

FACTORIES—ELECTRIC EQUIPMENT

Avaev, S. A., S. V. Chertung, and A. K. [illegible]. Electric-power equipment in textile and [illegible] prises] Elektrooborudovanie tekstil'nykh [illegible] noi i legkoi promyshlennosti. Moskva [illegible] 1963. 288 p.

FACTORIES—FIRES AND FIRE PREVENTION
division under Chelyabinsk

FACTORIES—HEATING AND VENTILATION

Air, ventilation and health. V. [illegible] sota. stroikh. 6 no. 9:31-35 S '63.

FACTORIES—LIGHTING

Light-deflecting glass for the illumination of buildings. A. Moiseevich. Arkhitektura [illegible] '63.

Some disadvantages in using natural light [illegible] shops. L. P. Pavlova. Shor. trud. [illegible] (Sverd.) no. 8:81-89 '63.

FACTORY MANAGEMENT

Automatic system of operational management of production. V. D. Kokhman. Mekh. i [illegible] no. 9:9-13 S '63.

Mechanized calculation of material [illegible] workpieces. IA. IU. Fishenberg. Mekh. i [illegible] proizv. 17 no. 9:30-32 S '63.

Using electronic computers in mechanized management. F. L. Nemirov. Mekh. i [illegible] 17 no. 9:13-16 S '63.

Using the EVM-3 electronic computer for [illegible] monthly schedules. F. F. Ibatov and [illegible] avtom. proizv. 17 no. 9:35-37 S '63.

FADEEV, ALEKSANDR ALEKSANDROVICH, [illegible]

Science and life (conclusion). V. [illegible] zhizn' 30 no. 5:22-23 My '63.

FALESHTY DISTRICT—SUGAR BEETS

The great gain. B. Bantia. Part. zhizn' [illegible] '63.

FALLOPIAN TUBES

Columnar cells of the oviduct epithelium in [illegible] Sh. E. Chkhartishvili. Shor. trud. Chair. [illegible] nauch.-issl. inst. 32:45-50 '61.

FALLOPIAN TUBES—RADIOGRAPHY

Abramova, M. M. [Atlas of hysterosalpingography] Atlas gisterosal'pingografii. Moskva, Med. [illegible] 124 p.
(DNLM)

FAMILY

Mail of "Semia i shkola." I. Chlibiec as [illegible] Semia i shkola 18 no. 5:24-29 My '63.

FANS, MECHANICAL
(see also subdivision under Kryukovo, Mosfilmovskaia)

New drive for NPI-type counter-rotating fans. Vodianik, I. P. Strol'tsov. Trudy NPI [illegible] '63.

Study of intake boxes for fans with two [illegible] F. G. Galimzianov. Gor. zhur. no. 9:[illegible] '63.

Study of the aerodynamic resistance of the [illegible] of fans. F. G. Galimzianov. Izv. vys. ucheb. zav. zhur. 6 no. 3:114-120 '63.

FANS, MECHANICAL—TESTING

Using SVM-0M fans in electric locomotive [illegible] P. V. Zhuravlev, G. M. Vodianik. Trudy NPI [illegible] '62.

FANTALOV, LEONID IL'ICH, 1883-

Leonid Il'ich Fantalov; his 60th birthday. [illegible] no. 8:47 Ag '63.

FAR EAST—GEOLOGY, STRUCTURAL
Results of the tectonic regionalization and classification of basic Post-Triassic structures in Siberia and the Far East (with summary in English). K. V. Bogolepov. Geol. i geofiz. no. 1,64-78 '63.

FAR EAST, SOVIET see Soviet Far East

al-FĀRĀBĪ, 870-950
"Aristotle of the East." A. Mashanov. IUn. tekh. 7 no. 8 57-59 Ag '63

FARM BUILDINGS
(see also subdivision under Georgia)
Standard designs of collective farm workshops. M. D. Lisovets. Mekh. sil'. hosp. 14 no. 5,31-32 My '63.

FARM BUILDINGS—DESIGN AND CONSTRUCTION
Multipurpose agricultural buildings. S. Nefedov, R. Vinogradov. Arkhit. SSSR no. 5 18-25 '63.

FARM BUILDINGS—FIRES AND FIRE PREVENTION
Collective farms buy new fire equipment. I. Glushankov. Pozh. delo 9 no. 9 25 S '63.

FARM EQUIPMENT
Supplying collective and state farms with instruments and preparations. Zhivotnovodstvo 24 no. 5:82-84 My '62.

FARM MANAGEMENT
(see also subdivision under Azerbaijan, Kazakhstan; Turkmenistan; Uzbekistan)
Brief news. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7: 47 Jl '63.

FARM MANURE
Bedrova, E. M., and Z. D. Ozolina. [Organic fertilizers] Organicheskie udobrenila. Moskva, Izd-vo "Znanie," 1963. 52 p. (Narodnyi universitet kul'tury Sel'skokhoziaistvennyi fakul'tet, no. 10)

FARM MANURE—TRANSPORTATION
Mounted pick-up loader. V. Golovanev. Tekh. v sel'khoz. 23 no. 3:20-23 Mr '63.

FARM MECHANIZATION
(see also subdivision under Tsebrikovo; Ukraine; United States; White Russia, Zernovoy)
In a leading region. IU. Leskov. Tekh. v sel'khoz. 23 no. 2:4-6 F '63.
Let new beacons light! N. I. Cholavin. Mekh. sil'. hosp. 14 no. 4:4-5 Ap '63.
Nosov, M. S., N. N. Oranskii, and V. A. Perfilov. [Mechanization of work on livestock farms] Mekhanizatsiia rabot na zhivotnovodcheskikh fermakh. Pod obshchei red. V. S. Krasnova. Moskva, Profitekhizdat, 1963. 399 p. (DNAL)
Our "secrets" in growing corn without manual labor. N. P. Kozhokar', G. Balan. Komm. Mold. 8 no. 3:34-38 Mr '63.
Studying the cultural level and technical qualifications of rural toilers. F. I. Il'iashenko. Vop. filos. 17 no. 8: 84-91 '63.

FARM MECHANIZATION—COSTS
Calculating the costs of mechanized work in the branches of the Farm Mechanization Agency "Sel'khoztekhnika." K. N. Kostin. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7:41, 48 Jl '63.

FARM MECHANIZATION—STUDY AND TEACHING
(see also subdivision under Kostroma Province; Rostov Province)
Carry out Il'ich's precepts in everything. N. S. Khrushchev. Rad. shk. 42 no. 5:3-4 My '63.
Let's train machine operators. P. M. Glabai. Shkola i proizv. 7 no. 9, 32 S '63.
V. N. Ershov, Deputy Minister of Agricultural Production and Procurement, answers the questions of conference members. Shkola i proizv. 7 no. 9:34 S '63.

FARM PRODUCE—RESEARCH see subdivision under Vologda Province

FARM PRODUCE—STORAGE
Dangerous foreign pest of stored produce. A. A. Varshalovich. Zashch. rast. ot vred. i bol. 8 no. 8:50 Ag '63.

FARM PRODUCE—TRANSPORTATION
Contract for farm-produce transportation is needed. G. Gurevich. Avt. transp. 41 no. 9:8-10 S '63.
Let us provide for an efficient organization for the transportation of agricultural freight. S. Artem'ev. Avt. transp. 41 no. 5 1-3 My '63.
Prepare in due time for the transportation of agricultural products. S. F. Nachuchenko. Zhel. dor. transp. 45 no. 5:8-12 My '63.

FASHION
Recommended by the All-Union House of Fashion Styles. Mest. prom. i khud. promys. 4 no. 4:38-39 Ap '63.

FASTENINGS
Grip end for attaching manometers to presses. S. A. Ableev. Izm. tekh. no. 9:27-28 Ag '63.
The work of anchor fastenings of hot-blast stoves of blast furnaces. S. D. Tiutiunev, A. Z. Epshtein. Prom. stroi. 40 [i. e. 41] no. 6 31-33 Je '63.

FATTY ACID METABOLISM
Content of unsaturated fatty acids in the blood during atherosclerosis. V. V. Chernin. Vrach. delo no. 7, 120-130 Jl '63.

FATTY ACIDS see Acids, Fatty

FAULKNER, WILLIAM, 1897-1962
Hell on earth and William Faulkner. M. Mendel'son. Vop. lit. 7 no. 9:120-155 S '63.

FAULTS (GEOLOGY) see subdivision under Kama Valley, Kazakhstan

FEDERAL GOVERNMENT
The nature of contacts among the Soviet Republics before the establishment of the U. S. S. R. S. S. Kravchuk. Vest. Mosk. un. Ser. 10 Pravo 18 no. 3 13-23 Jl-S '63.

FEDERATION OF RHODESIA AND NYASALAND see Rhodesia and Nyasaland

FEED GRINDERS
The IKS-5, a root crop grinder. M. A. Makarov. Trakt. i sel'khozmash. 33 no. 4:35 Ap '63.
Mechanizing the processing of corncobs for cattle feeding. V. S. Kharchenko, M. IE. Okhmush. Mekh. sil'. hosp. 14 no. 4:23-25 Ap '63.

FEED MECHANISMS
Automatic bunker feeding. B. P. Fridman, B. P. Fridman. Mekh. i avtom. proizv. 17 no. 8:18-19 Ag '63.
Medvid', M. V. [Automatic orientation feed units and mechanisms] Avtomaticheskie orientiruiushchie zagruzochnye ustroistva i mekhanizmy. Moskva, Mashgiz, 1963. 208 p.
Some feed mechanisms used at the Gor'kiy Automobile Plant. S. A. Sekretarev. Trudy Stud. nauch. ob-va LIEI no. 3:56-67 '59.
Vibrating bunkers with an electromagnetic drive. L. IA. Reskov. Standartizatsiia 27 no. 9 12-13 S '63.

FEED MILLS—EQUIPMENT AND SUPPLIES
Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Testing of new equipment for the production of dry feeds] Ispytaniia novogo oborudovaniia dlia proizvodstva sukhikh kormov. Moskva, 1962. 30 p. (Tekhnicheskaia informatsiia)
[MICROFILM]

FEEDBACK (ELECTRONICS)
Method for breaking the feedback loop in some electronic automatic devices. K. S. Zhupakhin, V. S. Zhupakhin. Radiotekhnika 18 no. 8:55-58 Ag '63.

FEEDING
New type of animal feeding. N. F. Semenovykh. Zhivotnovodstvo 24 no. 5:86-89 My '62.

FEEDING—EQUIPMENT AND SUPPLIES
(see also subdivision under Ukraine)
Distributor of coarse feeds. S. Nauruzbaev, K. Baibul'sinov. Tekh. v sel'khoz. 23 no. 2:31-32 F '63.

FEEDS
(see also subdivision under Georgia; Leningrad; Ukraine; Uzbekistan)
Soilless growing of feed. G. I. Gordienko. Shkola i proizv. 7 no. 9:58-64 S '63.
Utilize the wastes of alcohol production in the creation of a feed base for the stock breeding industry. P. M. Reizin. Spirt. prom. 28 no. 6:5-8 '62.

FEEDS—ANALYSIS
Zhurnviov, E. M. [Manual on the zootechnical analysis of feeds] Rukovodstvo po zootekhnicheskomu analizu kormov. Moskva, Sel'khozizdat, 1963. 294 p. (DNAL)

FEEDS—COMPOSITION
Quality of feeds obtained from spring forage crops sown on stubble. N. S. Amirov. Trudy Azerb. nauch.-issl. inst. zem. 12:113-118 '62.

FEEDS—ECONOMIC ASPECTS see subdivision under Uzbekistan

FEEDWATER
Redesigning oxygen meters. IU. A. IAnkun. Energetik 11 no. 8:18 Ag '63.
Use of a diamide chemical antifoam agent in boiler feed. M. B. Radvinskii. Prom. energ. 18 no. 9,27-30 S '63.

FEEDWATER PURIFICATION
Conditioning of feed water by a magnetic field. A. Kh. Girenko, A. V. Smidovich. Energ i elektrotekh. prom. no. 3 70-72 Jl-S '63.
Crystal chemistry techniques for checking magnetic treatment of feed water. V. I. Minenko, S. D. Romas'ko, L. I. Biliach. Teploenergetika 10 no. 9:48-50 S '63.
Neutralization of the alkalinity of boiler water. R. V. Kotliar. Energetik 11 no. 8:44 Ag '63.
Preliminary calculation data for designing desalting systems using the AV-17 anion exchanger. Teploenergetika 10 no. 9 88-90 S '63.
Problem of purification in water supply systems. V. G. Gol'tsman. Prom. energ. 18 no. 10 44-45 O '63.
Protection from corrosion of the components of deaerator systems. B. M. Stoliarov. Energetik 11 no. 9:25-26 S '63.
Shortcomings in the design of TKZ ion exchange filters and their correction. A. M. Prokhorova, IU. M. Bulavitskii, D. S. IUrkin. Elek. sta. 34 no. 9 81-83 S '63.
Thermal operation of apparatus used in magnetic feed water treatment. A. I. Shakhov, A. N. Muzychenko, S. S. Dushkin. Energ. i elektrotekh. prom. no. 3 50-52 Jl-S '63.
Through the pages of technical journals. Energetik 11 no. 9:26-27 S '63.

FEIGIN, IAKOV GRIGOR'EVICH, 1903-
IA. G. Feigin's 60th birthday. M. S. Budanovskii, D. D. Moskvin. Izv. AN SSSR, Ser. geog. no. 5:156 S-O '63.

FELDSPAR see subdivision under Dnieper Valley; Inaglinskiy Massif

FEMORAL ARTERY—DISEASES
Dynamics of the development of collateral blood circulation in thrombosis of the femoral artery. I. P. Novikov. Eksper. khir. i anest. no. 1:24-27 '63.

FEMORAL ARTERY—SURGERY
Case of prosthetic repair of a damaged popliteal artery. S. I. Izmailova, M. A. Fadeev. Ortop., travm. i protez. 24 no. 2:62-63 F '63.

FEMORAL NERVE—WOUNDS AND INJURIES
Bone dystrophy in the extremities of rabbits induced by partial resection of the femoral or sciatic nerve. T. M. Kapustina. Ortop., travm. i protez. 24 no. 2:14-18 F '63.

FEMUR—ABNORMITIES AND DEFORMITIES
Surgical treatment of dystrophic varus deformity of the femoral neck in children. N. I. Kondrashin, V. L. Andrianov. Ortop., travm. i protez. 24 no. 2:36-44 F '63.

FEMUR—DISEASES
Dynamics of morphological changes and treatment procedure in aseptic necrosis of the femoral head in adults. N. A. Engalycheva, IA. A. Berdashkevich. Ortop., travm. i protez. 24 no. 2:21-27 F '63.
Two cases of regeneration of the epiphyses of the femur after osteomyelitis in children. V. I. Semenov. Ortop., travm. i protez. no. 1:71-73 '63.

FEMUR—SURGERY
Surgical treatment of dystrophic varus deformity of the femoral neck in children. N. I. Kondrashin, V. L. Andrianov. Ortop., travm. i protez. 24 no. 2,36-44 F '63.

FENUGREEK see subdivision under Azerbaijan

FERGANA—EARTH MOVEMENTS
First results of the geomorphological studies of recent lateral crustal displacements along the Talas-Fergana fault in Central Asia. E. IA. Rantsman, G. N. Pshenin. Izv. AN SSSR, Ser. geog. no. 5:72-76 S-O '63.

FERGANA—GAS, NATURAL—GEOLOGY
Lithologic pools in the Cretaceous sediments of Maylisu 4 (Naryn monocline). Kh. Akmedov. Uzb. geol. zhur. 7 no. 4:34-38 '63.

FERGANA—LISTVENITE
Some characteristics of the distribution of mercury mineralization in the listvenite zones of southern Fergana. M. G. Zharikov, N. A. Nikiforov. Uzb. geol. zhur. 7 no. 4,60-68 '63.

FERGANA—MERCURY ORES
Some characteristics of the distribution of mercury mineralization in the listvenite zones of southern Fergana. M. G. Zharikov, N. A. Nikiforov. Uzb. geol. zhur. 7 no. 4:60-68 '63.

FERGANA—PETROLEUM GEOLOGY
Groundless scepticism. F. Leksashev, A. Khutorov, B. Kovalenko. Nar. khoz. Uzb. 5 no. 9:68-70 S '63.
Lithologic pools in the Cretaceous sediments of Maylisu 4 (Naryn monocline). Kh. Akhmedov. Uzb. geol. zhur. 7 no. 4:34-38 '63.

FERMENTATION
Conditions of the formation of diacetyl, acetoin and 2, 3 butylene glycol during fermentation. M. T. Denshchikov, S. S. Rylkin, A. IU. Zhvirblianskaia. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no. 9:5-12 '62.

Development of the methods for obtaining glucose oxidase preparations. N. V. Pokrovskaia, M. F. Voronina. Trudy TSentr. nauch.-issl. inst. prom., bezalk. i vin prom. no. 7 64-74 '62.

The intermediate sources of the formation of fusel oils under the conditions of alcohol fermentation. M. F. Denshchikov, S. S. Rylkin, A. IU. Zhvirblianskaia. Trudy TSentr. nauch.-issl. inst. prom., bezalk. i vin prom. no. 9 18-22 '62.

Method for determining the activity of cytolytic enzymes. I. S. Shkramada, F. A. Gorbatskova, T. N. Nazhdina. Trudy TSentr. nauch.-issl. inst. prom., bezalk. i vin prom. no. 9 53-62 '62.

Possibility for using penicillin production wastes as fertilizer. V. I. Popov, L. I. Grintser. Spirt prom. 29 no. 1 14-15 '63.

Some observations concerning the formation of aldehydes under the conditions of continuous fermentation. M. F. Denshchikov, S. S. Rylkin, A. IU. Zhvirblianskaia. Trudy TSentr. nauch.-issl. inst. prom., bezalk. i vin prom. no. 9 14-18 '62.

Use of the iodometric method for determining aldehydes. M. F. Denshchikov, S. S. Rylkin, A. IU. Zhvirblianskaia. Trudy TSentr. nauch.-issl. inst. prom., bezalk. i vin prom. no. 9 12-14 '62.

FERMENTATION—EQUIPMENT AND SUPPLIES
(see also subdivision under Ukraine)

Utilization of waste steam, distilling wash concentrate, lauter water and condensate. S. G. Iliasov. Spirt prom. 28 no. 6 31-32 '62.

FERRITES (MAGNETIC MATERIALS)

Intensity of magnetization of ferrite-garnet in a pulsed high magnetic field [with summary in English]. V. E. Rode, A. V. Vediaev. Zhur. eksp. i teor. fiz. 45 no. 3 415-417 S '63.

Perminvar effect in compound Ni - Zn - Cr ferrites. N. Z. Miriasov, S. A. Sorokina. Fiz. tver. tela 5 no. 9 2641-2646 S '63.

Temperature dependence of resonance absorption in nickel-zinc ferrites. V. I. Chechernikov, A. I. Kashlinskii. Vest. Mosk. un., Ser. 3: Fiz., astron. 18 no. 5 49-53 S-O '63.

FERROCENE

Synthesis of some fluorine-containing silylferrocenes. K. M. Berdiche skaia, V. S. Chugunov, A. D. Petrov. Dokl. AN SSSR 151 no. 6 1319-1321 Ag '63.

FERROCYANIDES

Mechanism underlying the volatilization of cesium coprecipitated with double nickel and potassium ferrocyanide at high temperatures. IU. N. Golovanov and others. Atom. energ. 15 no. 3 261-262 S '63.

FERROELECTRIC SUBSTANCES

Polarization of ferroelectrics by short electric pulses. B. N. Karmen. Kristallografiia 8 no. 5 729-732 S-O '63.

Standard properties of seignetoelectrics with a rectangular dielectric hysteresis loop. I. S. Zheludev, D. A. Tamborskov, B. P. Terent'ev. Elektrichestvo no. 8: 66-70 Ag '63.

Statistical method of studying repolarization in ceramic ferroelectrics. A. V. Turik. Fiz. tver. tela 5 no. 9: 2406-2408 S '63.

FERROMAGNETIC RESONANCE

Broadening of the resonance curve near the Curie point. Men Sian'-chzhen' [Meng Hsien-cheng], L. A. Davydov. Fiz. tver. tela 5 no. 9: 2627-2632 S '63.

Determining the resonance line width of spin waves. S. S. Starobinets. Fiz. tver. tela 5 no. 9: 2707-2709 S '63.

Quantum statistical theory of ferromagnetic resonance in the high temperature range. O. A. Ol'khov. Fiz. tver. tela 5 no. 9: 2448-2454 S '63.

FERROMAGNETISM

Degree of localization of magnetic electrons and the Nernst-Ettingshausen effect in ferromagnetic metals [with summary in English]. E. I. Kondorskii, R. P. Vasil'eva. Zhur. eksp. i teor. fiz. 45 no. 3: 401-403 S '63.

Turov, E. A. [Physical properties of magnetically ordered crystals, phenomenological theory of spin waves in ferromagnetics, antiferromagnetics, and weak ferromagnetics] Fizicheskie svoistva magnitouporiadochennykh kristallov, fenomenologicheskaia teoriia spinovykh voln v ferromagnetikakh, antiferromagnetikakh i slabykh ferromagnetikakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 223 p.

FERROMANGANESE—METALLURGY

Investigating the process of obtaining medium-carbon ferromanganese. D. S. Chikashua. Stal' 23 no. 9: 811-815 S '63.

FERROSILICON

Prospects for developing the silicothermal method of magnesium production. I. V. Frishberg, A. S. Mikulinskii. Izv. Sib. otd. AN SSSR no. 2 63-66 '62.

FERTILIZATION (BIOLOGY)

Inexpediency of the "dry" method for fertilizing the eggs of sea fishes. L. A. Gaikina. Vop. ikht. 3 no. 3: 563 '63.

FERTILIZATION OF PLANTS

Effect of the amount of pollens on the fertilization process in Mirabilis jalapa. O. M. Gavrilova. Dokl. AN SSSR 151 no. 6 1444-1445 Ag '63.

FERTILIZER INDUSTRY

A matter concerning the whole nation. Agitator no. 20: 3-5 O '63.

FERTILIZER INDUSTRY—LABOR PRODUCTIVITY
see subdivision under Lisichansk

FERTILIZER SPREADERS

The RU-4 spreader of mineral fertilizers and green manure crop seeds for fruit-bearing orchards. T. A. Malykhina. Trakt. i sel'khozmash. 33 no. 5: 34-35 My '63.

Universal trailer-spreader 1-PTU-3PP. G. F. Lobachev. Trakt. i sel'khozmash. 33 no. 5: 37-38 My '63.

FERTILIZERS AND MANURES
(see also subdivision under Cherkassy Province, Kzyl-Orda)

Applying farm manure simultaneously with mineral fertilizers. P. Vysotskii. Tekh. v sel'khoz. 23 no. 2: 12-13 F '63.

Conducting classes on the subject "Fertilizers." A. I. Sullerov. Shkola i proizv. 7 no. 9: 51-57 S '63.

Effect of ammonia water on the active life of micro-organisms. I. I. IArchuk, A. G. Azanov. Torf. prom. 40 no. 6: 23-27 '63.

Effect of mineral and organic fertilizers on the productivity of fattening and rearing ponds. V. M. Il'in and others. Trudy VNIPRKH 8: 33-85 '56

Effect of prolonged application of organic and mineral fertilizers on the availability of trace elements in the soil [with summary in English]. P. I. Nikishkina. Pochvovedenie no. 9: 13-20 Agfi e S] '63.

Effectiveness of hybridization and the transmission of parent characters to the progeny from breeding material grown under various conditions. G. S. Turov. Vest. sel'khoz. nauki 8 no. 3: 97-99 Mr '63.

Manufacture of peat-mineral-ammonia fertilizers. F. S. Ziuzin. Torf. prom. 40 no. 4: 16-20 '63.

Mineral fertilizers and crops. I. Simagin. Agitator no. 20: 43-45 O '63.

Preparing peat-mineral-ammonia fertilizers. V. Lashnev. Tekh. v sel'khoz. 23 no. 3: 10-14 Mr '63.

Using hydraulic drills in growing farm crops. S. P. Pysanko, N. A. Murhia-Elorsa, V. M. Verkhovs'kyi. Mekh. sil'. hosp. 14 no. 4: 13-14 Ap '63.

FERTILIZERS AND MANURES—STORAGE

Changes in the chemical composition of peat-mineral-ammonium humus fertilizers occurring during storage. L. N. Vul'f. Torf. prom. 40 no. 6: 20-23 '63.

FERTILIZERS AND MANURES—TRANSPORTATION

Organization of the transportation of mineral fertilizers. A. A. Poliakov. Nauch. trudy KHIIT no. 55: 88-96 '62.

FETUS

Pathomorphology of the adrenal glands in stillborn infants. E. P. Smolicheva. Trudy Dush. med. inst. 57 no. 2: 45-78 '62.

Simple method of phonocardiography of intra-uterine fetus [with summary in English]. E. S. Stal'nenko, L. B. Gutman. Akush. i gin. no. 2: 15-18 '63.

Transplacental toxic influence of antibiotics of the tetracycline group on the fetus of warm-blooded animals. A. I. Barkalaia. Akush. i gin. no. 2: 8-11 '63.

FETUS—DISEASES

Case of intra-uterine tuberculosis infection. V. V. Zakrzhevskii. Pediatriia 42 no. 1: 66-68 Ja '63.

Mechanism of the action of injurious factors on the fetus [with summary in English]. V. I. Bodiazhina. Akush. i gin. no. 2: 3-8 '63.

FEUCHTWANGER, LION, 1884-

Stylistic possibilities of word order in German; based on the works of L. Feuchtwanger. N. E. Shal'nova. Vop. filol. no. 1: 187-211 '62.

FEUDALISM see subdivision under Spain

FEUERBACH, LUDWIG ANDREAS, 1804-1872

Ardab'ev, A. I. [Atheism of Ludwig Feuerbach] Ateizm Liudviga Feierbakha. Moskva, Izd-vo Akad. nauk SSSR, 1963. 181 p.

FIBERBOARD

Kreindlin, L. N., and I. IA. Drozdov. [Using fiberboard in building] Primenenie drevesno-voloknistykh plit v stroitel'stve. Moskva, TSentr. in-t tekhn. informatsii i ekonom. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963. 67 p. (Derevoobrabotka)

[MICROFILM]

Pozdeev, N. V. [Manufacture and use of fiberboard] Proizvodstvo i primenenie fibrolitovykh plit. Moskva, Goslesbumizdat, 1963. 90 p.

FIBRINOLYSIS

Fibrinolysis in white rats under the influence of nicotinic acid. A. Sh. Byshevskii. Vrach. delo no. 9: 149-150 S '63.

Influence of vitamin B_{12} on fibrinolysis in [illegible] sis. M. G. Shevchevskii. Terap. arkh. [illegible] F '63.

FIELD CROPS
(see also subdivision under Azerbaijan, Belorussia, Gul'kevichi District, Kazakhstan; Ukraine)

Controlled transformation of heredity in plants [illegible] the effect of light conditions. S. S. Shatn[illegible] khoz. nauki 8 no. 3: 42-46 Mr '63.

FIELD CROPS—DISEASES AND PESTS
(see also subdivision under Ulan-Ude region)

Determining pests and diseases of farm plants [illegible] Zimin. Zashch. rast. ot vred. i bol. [illegible] '63.

FIELD CROPS—FERTILIZERS AND MANURES
see subdivision under Ivano-Frankovsk Province

FIELD EMISSION

Electron energy distribution in field emission [illegible] manium films on tungsten. N. V. Milenkina, [illegible] Sokol'skaia. Fiz. tver. tela 5 no. 9: [illegible] '63.

FIELD MICE

Use of the territory by mice and voles according [illegible] ing data. N. A. Nikitina, M. A. Meshkova. [illegible] Otd. biol. 68 no. 5: 15-21 S-O '63.

FILM ADAPTATIONS

Advocates and adversaries of screening. [illegible] Vop. lit. 7 no. 9: 78-96 S '63.

FILMS (CHEMISTRY)

Polymorphism of benzene films on mercury [illegible] mary in English]. Z. M. Zorin, Koll. zhur. 25 no. 5: 621-625 S-O '63.

FILMS (CHEMISTRY)—THERMAL PROPERTIES

Effect of the duration of heating on the deformation properties of polymer films [with summary in English]. P. I. Zubov, Z. P. Grozinskaia, A. T. S[illegible] Koll. zhur. 25 no. 5: 533-536 S-O '63.

FILTERS AND FILTRATION

Ceramic metal filters for the automatic analysis [illegible] in the production of alumina [with summary in [illegible] B. I. Zorulin, V. N. Morozov, IU. N. Somerov [illegible] met. 3 no. 4: 101-105 Jl-Ag '63.

Dependence of porosity size and fineness of filter [illegible] ceramic metal filters on the fractional composition [illegible] spherical powders [with summary in English]. [illegible] Shibtaev. Poroshk. met. 3 no. 4: 91-98 Jl-Ag '63.

Filter for the separation of carbon disulfide [illegible] Spirt. prom. 28 no. 6: 42-43 '62.

For the efficient design of filter drains by the [illegible] of Municipal Services. V. I. Kulzhinskii, V. A. [illegible] Trudy NPI 130: 37-48 '63.

Reconditioning of the sorbent in condensate filters [illegible] Filenko, Koks i khim. no. 6: 53 '62.

Some problems in dewatering fine iron concentrates. V. I. Karmazin, L. P. Shupov. Gor. zhur. no. 9: [illegible] S '63.

Some results of well production by means of [illegible] lift pipe down to the lower slots of the liner. [illegible] Rsafzade, V. G. Ishkhanov. Azerb. neft. khoz. [illegible] 23-25 Ja '63.

Thickening of suspensions by filtration without [illegible] of precipitates. A. I. Zhevnovatyi. Khim. mashin. no. 5: 16-19 S-O '63.

FINANCE
(see also subdivision under Brazil; Magnitogorsk)

Ways to increase the role of money and credit. [illegible] nov. Den. i kred. 21 no. 9: 23-30 S '63.

FINBACK WHALE

Histogenesis of the skin of sperm whale and fin whale. V. E. Sokolov. Vest. Mosk. un., Ser. 6: Biol., [illegible] no. 5: 20-24 S-O '63.

FINES (PENALTIES)

How should we punish such violators of administrative rules? Sov. deput. trud. no. 9: 95 S '63.

Practice in the levying of fines. M. S. Savel'ev. [illegible] gos. i pravo no. 10: 118-122 O '59.

FINGERPRINTS

From the history of the fingerprint. D. Genin. [illegible] zhizn' 30 no. 5: 37 My '63.

FINGERS—ABNORMITIES AND DEFORMITIES

Case of congenital elephantiasis of the fingers [illegible] IU. A. Akimov. Ortop., travm. i protez. no. 1: [illegible] '63.

FINISHES AND FINISHING

Finishing of stone products with polymeric resins. [illegible] Sidorov, A. G. Sorochkishin. Stroi. mat. [illegible] S '63.

Industrialization and mechanization of finishing [illegible] fully prefabricated construction. E. IA. Bider. [illegible] stroi. 20 no. 10: 4-6 O '63.

Machines for finishing work. A. K. Pavlidis. Mekh. [illegible] 20 no. 10: 19-20 O '63.

Mechanization of finishing work. N. I. Bezbaninyi, A. A. Novatskii. Mekh. stroi. 20 no. 10: 15-16 O '63.

FINLAND—FOREST ROADS

Forest gravel roads in Finland. B. A. Strashinskii. Les. prom. 40 no. 3:32, 3 of cover Mr '62.

FINLAND—PLANTS, PROTECTION OF

Studying plant protection in Finland. M. S. Gilliarov. Zashch. rast. ot vred. i bol. 8 no. 9:48-49 S '63.

FINLAND—RELATIONS (GENERAL) WITH RUSSIA

First book on Russian-Finnish cultural relations. Sirkka Ojanen. Vest. Mosk. un. Ser. 7: Filol., zhur. 18 no. 4:103-104 Jl-Ag '63.

FIRE ALARMS

Signaling by telephone lines. A. IUzhakov. Tekh. v sel'khoz. 23 no. 3:28-31 Mr '63.

FIRE CONTROL (GUNNERY)
(see also subdivision under United States)

Peresada, V. S., A. M. Kreimerman, and A. M. Prokhorov. [Electronics in the service of artillery fire control] Elektronika na sluzhbe upravlenia ognem artillerii. Moskva, Voenizdat, 1963. 74 p. (Za voenno-tekhnicheskie znanila)

Prepare unplanned fire more quickly. I. Remen'. Voen. vest. 42 no. 11:68-70 N '62.

Shorten the time of firing for adjustment; discussion of the article published in No. 6. IA. Dilachenko, E. Kurbatov, I. Borisov. Voen. vest. 43 no. 9:73-75 S '63.

Simplified calculation of an average reading and true azimuth. S. Smetankin. Voen. vest. 43 no. 9 71-73 S '63.

Work on a fire-control instrument while shooting at a moving target. L. Reznik. Voen. vest. 43 no. 9:70-71 S '63.

FIRE DEPARTMENTS see subdivision under Kolpino

FIRE DEPARTMENTS—EQUIPMENT AND SUPPLIES

Dmitrii Grebenkin, expert in gas and smoke protection services. V. Kunakovskikh. Pozh. delo, 9 no. 9:19-20 S '63.

Fire well point for sand soils. V. Sokirko. Pozh. delo 9 no. 9 28 S '63.

The gates of the fire stations open faster. A. Arzhanol, V. Gridchin. Pozh. delo 9 no. 9:23 S '63.

Lylov, D. V., V. V. Systennikov, and A. V. Zazovit. [Special purpose motor vehicles for fire prevention] Avtomobili spetsial'nykh sluzhb pozharnoi okhrany. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1960. 274 p.

Replacement for obsolete equipment. V. Petrenko. Pozh. delo 9 no. 9 21 S '63.

Valuable innovations. V. Kanavin. Pozh. delo 9 no. 7: 25 Jl '63.

FIRE ENGINES

For rural areas. A. Ladekhin. Pozh. delo 9 no. 9 24 S '63.

New automatic pump. M. Berger. Pozh. delo 9 no. 9:22 S '63.

FIRE EXTINCTION

In foreign countries. Pozh. delo 9 no. 7:31 Jl '63.

People in flames. B. Semenov. Smena 40 no. 14:28-29 Jl '63.

FIRE EXTINCTION—CHEMICAL SYSTEMS

Stationary air-foam apparatus. IA. Ivanov. Pozh. delo 9 no. 9:24 S '63.

FIRE PREVENTION

Diagoveshchenskii, G. V. [Principles of safety and fire-prevention techniques in agriculture] Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki v sel'skom khozlaistve. Moskva, Sel'khozizdat, 1963. 279 p. (DNAL)

Device capable of seeing the invisible. S. Zhdanov, V. Makarov, O. Krotova. Pozh. delo 9 no. 7:22-23 Jl '63.

Readers' letters. Pozh. delo 9 no. 7:30 Jl '63.

Readers' letters. Pozh. delo 9 no. 9:30-31 S '63.

Safety of the people is the main concern. Pozh. delo 9 no. 9:1-2 S '63.

FIRE PREVENTION—LAWS AND REGULATIONS

A fine is not an aim in itself. N. Kramerov. Pozh. delo 9 no. 9:10 S '63.

These problems cannot be solved at the desk. P. Savel'ev. Pozh. delo 9 no. 7:17-19 Jl '63.

FIRE PREVENTION—SOCIETIES, ETC. see subdivision under Klishino (Moscow Province)

FIRE PREVENTION—STUDY AND TEACHING

Training stations. A. Krylov, L. Utkin. Pozh. delo 9 no. 9:19 S '63.

FIRE SPRINKLERS

Consultation. V. I. Titkov. Neftianik 8 no. 2:31 F '63.

FIREARMS—IDENTIFICATION

Appointing the expert witnesses for the identification of firearms. B. IErmolenko. Rad. pravo no. 3:58-60 My-Je '63.

FIREARMS—LAWS AND REGULATIONS

Criminal responsibility for violating the laws which regulate the carrying, keeping, producing, and selling of arms and explosives. P. Grishanin. Sov. iust. no. 16 13-14 Ag '63.

FIREBOATS

Without outside help. P. Madzigon. Pozh. delo 9 no. 7: 25 Jl '63.

FIREBRICK—TESTING

Zonal changes in the properties of magnesite bricks after service in the crown of open hearth furnaces. M. N. Bluvshtein, V. N. Boricheva. Ogneupory 28 no. 9:413-418 '64.

FIRECLAY

Use refractory and high-melting clays from the Kirov, Perm provinces and the Komi A. S. S. R. P. V. Ivashov. Stek. i ker. 20 no. 10 33 O '63.

FIRELESS COOKERS

Refrigerator and thermos. S. Chernaev. Nauka i zhizn' 30 no. 9:110-111 S '63.

FIREMEN
(see also subdivision under Kolpino; Krasnovodsk, Moscow, Rostov-on-Don; Sverdlovsk, Tomsk)

Age of maturity. M. Gusev. Pozh. delo 9 no. 9 17-18 S '63.

By means of personal example. IU. Nazarov. Pozh. delo 9 no. 9 15-16 S '63.

Journey through life. D. Klinko. Pozh. delo 9 no. 7: 26 Jl '63.

Watchman of the capital. M. Gusev. Pozh. delo 9 no. 7 3-5 Jl '63.

FIREPLACES see subdivision under Ossetia

FIREPROOFING OF FABRICS

Fireproofing treatment of cotton fabrics. M. A. Lyzentseva, R. K. Valetdinov, E. V. Kurnetsov. Trudy KKHTI no. 30:170-173 '62.

FIRST AID IN ILLNESS AND INJURY see subdivision under Sverdlovsk

FISH CULTURE
(see also subdivision under Pyalovskoye Reservoir; Teplovka River)

Characteristics of the rearing and winter upkeep of sterlet in ponds. F. M. Sukhoverkhov, V. M. Koroleva, A. S. Pisarenkova. Trudy VNIPRKH 8,180-189 '56.

Early spawning and prolongation of the growing period in carp farming. G. V. Kadzevich. Trudy VNIPRKH 8,164-167 '56.

Effect of water exchange on the habitat and food supply in reservoirs. E. V. Meisner. Trudy VNIPRKH 8,263-268 '56.

Feeding fish in fertilized ponds. V. M. Il'in and others. Trudy VNIPRKH 8:86-163 '56.

Hydroelectric power stations and the reproduction of fishes. A. M. Arshava. Za tekh. prog. 3 no. 3:45-48 Mr '63.

Inexpediency of the "dry" method for fertilizing the eggs of sea fishes. L. A. Galkina. Vop. ikht. 3 no. 3.563 '63.

FISH CULTURE—ECONOMIC ASPECTS

Methods for improving the use of basic funds on pond fish farms. L. M. Gordon. Trudy VNIPRKH 8,269-282 '56.

FISH INTRODUCTION

V[illegible] [illegible] ...

[illegible] nce

Fishes - Ctenopharyngodon idella and Hypophthalmichthys molitrix in the Bodies of Water of the U. S. S. R.] Materialy Vsesoiuznogo soveshchaniia po rybokhoziaistvennomu osvoeniiu rastitel'noiadnykh ryb - belogo amura (Ctenopharyngodon idella) i tolstolobika (Hypophthalmichthys molitrix) - v vodoemakh SSSR. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 224 p. (DNAL)

FISH PROCESSING PLANTS—EQUIPMENT AND SUPPLIES

Chumakov, V. D. [Standardized equipment for the fish industry] Tipizirovannoe oborudovanie dlia rybnoi promyshlennosti. Moskva, Rybnoe proizvodstvo, 1963, 47 p. (Mekhanizatsiia i avtomatizatsiia ryboobrabatyvaiushchei promyshlennosti)

FISHERIES
(see also subdivision under Astrakhan Province, Azov, Sea of; Karakhstan; Taganrog Gulf)

Brief news and information. Vop. ikht. 3 no. 3:573-581 '63.

Tiurin, P. V. [Biological principles of controlling fisheries in inland bodies of water; methodological manual for studying fish stocks for permanent ichthyological observation centers] Biologicheskie obosnovaniia regulirovaniia rybolovstva na vnutrennikh vodoemakh; metodicheskoe rukovodstvo po izucheniiu rybnykh zapasov dlia postoiannykh ikhtiologicheskikh nabliudatel'nykh punktov. Moskva, Pishchepromizdat, 1963. 118 p.

FISHERIES—RESEARCH see subdivision under Volgograd

FISHERMEN

In the Committee of Experts on Conditions of Work of Fishermen of the International Labor Office. V. Rappal. Sots. trud. 8 no 7:115-117 Jl '63.

FISHERY PRODUCTS

Almazov, A. M., L. M. Gordeev, and E. B. Fel'dman. [Commercial study of meat and fish merchandise and techniques for their marketing] Tovarovedenie miasnykh i rybnykh tovarov i tekhnika torgovli Izd 2, dop. i perer. Moskva, Gostorgizdat, 1963 303 p

FISHES
(see also subdivision under Kirghizistan)

Attention, fishes! M. Il'in. Znan.-sila 38 no. 3:56 Mr '63.

"Fishes, amphibians and reptiles and their study in schools" by V. P. Gerasimov. Reviewed by E. S. Lysov. Biol. v shkole no. 3 92-93 My-Je '63.

FISHES—BEHAVIOR

Role of physics in studying fish behavior. B. P. Manteifel', V. R. Protasov. Vop. ikht. 3 no. 3 433-440 '63.

FISHES—DISEASES AND PESTS

Ridding bodies of water from ichthyophthiriasis. A. V. Borshosh., V. V. Ilesh. Veterinariia 39 no. 11:50 N '62

FISHES—EGGS

Structure and formation of egg membranes in sturgeons and some representatives of bony fishes. I. A. Sadov. Trudy Inst. morf. zhiv. no. 38 110-138 '63.

FISHES—EMBRYOLOGY see Embryology—Fishes

FISHES—FOOD
(see also subdivision under White Sea)

Feeding rainbow trout with industrial waste. F. M. Sukhoverkhov, V. Kh. Afanas'ev, T. I. Trofimova. Trudy VNIPRKH 8:180-187 '56.

FISHES, FRESHWATER—PHYSIOLOGY

Kraiukhin, B. V. [Physiology of digestion of freshwater bony fishes] Fiziologiia pishchevareniia presnovodnykh kostistykh ryb. Moskva, Izd-vo Akad. nauk SSSR, 1963. 137 p

FISHING
(see also subdivision under Estonia)

Dating the origin of fishing on the territory of the European part of the U. S. S. R. V. V. Fedorov. Shor. Muz. ant. i etn. 21 172-184 '63.

FISHPONDS
(see also subdivision under Belgorod Province)

Construction of bottom floodgates on pond fish farms. M. A. Brudastova. Trudy VNIPRKH 8:202-205 '56.

Effect of mineral and organic fertilizers on the productivity of fattening and rearing ponds. V. M. Il'in and others. Trudy VNIPRKH 8:33-85 '56.

Extending the service time of hydraulic structures on pond fish farms. M. A. Brudastova. Trudy VNIPRKH 8:198-201 '56.

Fertilization of rearing ponds. V. M. Il'in and others. Trudy VNIPRKH 8:3-32 '56.

Visiting with mirror carp. V. Vasil'ev, G. Lipskorov. Smena 40 no. 16:28-29 S '63.

FISTULA, BRONCHIAL

Esophagobronchial fistulas. S. M. Rukhgendler. Vest. rent. i rad. 38 no. 1 63-65 Ja-F '63.

FISTULA, ESOPHAGEAL

Esophagobronchial fistulas. S. M. Rukhgendler. Vest. rent. i rad. 38 no. 1 63-65 Ja-F '63

FISTULA, GASTRIC

Eversion of the stomach wall in gastrostoma. B. M. Kublanov. Vest. khir. 90 no. 3.107 Mr '63.

FISTULA, RECTOVAGINAL

Congenital fistula between the rectum and the vaginal vestibule in case of a normal anus. N. B. Sitkovskii. Akush. i gin. no. 2:137-138 '63.

FLATULENCE

A suppurative cyst of the mesentery proper with meteorism. M. V. Rogozkina. Vest. rent. i rad. 38 no. 1:71-72 Ja-F '63.

FLAX

High output of each unit. V. S. Chyhin. Mekh. sil'. hosp. 14 no. 4:4-5 Ap '63.

Manufacture of nonwoven packing materials from short No. 3 flax fibers with the gluing method. Z. K. IAkubenko, E. P. Baranova. Nauch.-issl. trudy TSNIILV 17:153 162 '62.

Principles for the composition of blends in flax spinning. S. E. Lazareva. Nauch.-issl. trudy TSNIILV 16:50-99 '62.

Sowing flax with the SUN-48-drill. E. Mikhailenko, R. Mortsedin. Tekh. v sel'khoz. 23 no. 3:47-49 Mr '63.

Weed control in oil flax fields. N. P. Shcherbinin. Zashch. rast. ot vred. i bol. 8 no. 4:23-24 Ap '63.

FLAX—HARVESTING

[illegible] N. P. Bilinkin. Tekst. prom. 23 no. 8 [illegible] Ag '63

Machines for flax-seed threshing. N. G. Glazkov. Trakt. i sel'khozmash. 33 no. 4 [illegible]-26 Ap '63

FLAX INDUSTRY AND PROCESSING MACHINERY

Characteristics of the processing of long flax fibers in [illegible] spinning and the addition of the [illegible] to the technological system [illegible] Mosk. tekstil'n. in-t. Nauch.-issl. trudy, no. 17 [illegible] '62

[illegible] for the manufacture and pressing of the [illegible] of flax fibers. V. I. Akulinushkina. Nauch.-issl. trudy TSNIIMASh no. 17 49-52 '62

Further [illegible] of the optimum conditions of the flax [illegible] N. N. Fridman, Nauch.-issl. trudy TSNIIMASh no. 17 [illegible] '62

Technological [illegible] Plizga and [illegible] for short flax fibers. [illegible] Yarosh and others. Nauch.-issl. trudy TSNIIMASh no. 17 [illegible]-117 '62

FLEXURE

Bending deformation of a flat, circular bar of great curvature by arbitrary moments applied to the end cross section. D. I. Chistov. Trudy LPI no. 211 111-123 '63.

Pure bending of a circular plate. V. V. Sokolovskii. Prikl. mat. i mekh. 27 no. 3 593-596 '63.

Problem of axisymmetrical bending of slabs. N. T. Gladkova. Trudy LPI no. 211 75-80 '63.

FLIES—EXTERMINATION

Change in the sensitivity of the house fly, Musca domestica L. to chlorophos applied for 5 seasons in the field [abstract only in English]. V. A. Linova. Med. parazit. i parazit. bol. 32 no. 1 92-95 Ja-F '63

FLIGHT CREWS

Flight commander in flight. P. Artanov. Av. i kosm. 46 no. 6 25-30 S '63.

FLIGHT TRAINING

Climb and [illegible] into the cockpit. A. Sulitano. Av. i kosm. 45 no. 9 43-51 S '63

Initiative should be reasonable. F. Andrianov, P. Shcherbakov. Av. i kosm. 45 no. 9 35-37 S '63

Substantiate your decision. F. Vazhin, R. Volodarskii. Av. i kosm. 46 no. 9 31-34 S '63

Training flyers for instruction work. G. V. Pavlov. Mor. flot. 45 no. 8 64-67 Ag '63

FLOATING DOCKS

Polin, L. E. [From the Baltic to the Black Sea, the towing of a floating dock] Baltika - Chernoe more, peregon plavuchego doka. Moskva, Izd-vo "Morskoi transport," 1963. 139 p.

Semenov-Tian-Shanskii, R. V. [Designing caisson docks] Proektirovanie kesson-dokov. Leningrad, Sudpromgiz, 1963. 64 p.

FLOATING DOCKS—HYDRODYNAMICS

Determining stresses in the anchor chains of a floating dock resulting from the dynamic impact of wind and waves. M. A. D'iachkov. Sudostroenie 29 no. 8, 34-35 Ag '63.

FLOCCULATION

Studying the flocculation capacity of yeast under the conditions of continuous fermentation. M. T. Denshchikov, S. S. Ryzhan, A. IU. Zhvirblianskaia. Trudy TSentr. nauch.-issl. inst. pivo., bezalk. i vin. prom. no. 9 32-39 '62.

FLOOD CONTROL

Moscow [illegible]

[illegible]

Zashchita territorii ot zatoplenia i podtoplenia. Moskva, Gosstroiizdat, 1963. 267 p. (Gidrotekhnicheskie sooruzhenia)

FLORENCE—INDUSTRIES

Florentine industry in the second half of the 16th and the first half of the 17th century. A. D. Rolova. Sred. vek. no. 23:163-182 '63.

FLORESHTY DISTRICT—CORN (MAIZE)

Our "secrets" in growing corn without manual labor. N. P. Kozhokar', G. Balan. Komm. Mold. 8 no. 3:34-38 Mr '63.

FLORESHTY DISTRICT—PUBLIC HEALTH, RURAL

Floreshty means "blooming." I. Serban. Sov. Kras. kreat 13 no. 2,21 Mr-Ap '63.

FLORICULTURE see subdivision under Dneprodzerzhinsk; Dnepropetrovsk Province

FLORICULTURE—STUDY AND TEACHING

Student work in a flower nursery. S. D. Butylin. Shkola i proizv. 7 no. 9, 78-81 S '63.

FLOTATION

(see also subdivision under Kuznetsk Basin)

All-Union interfactory school on the exchange of practices in the flotation of heavy nonferrous metal ores. TSvet. met. 36 no. 9:95 S '63.

Distribution of residual concentrations of xanthate in the flotation process and its connection with technological factors. B. I. Revazashvili. Trudy Inst. met. i obog. AN Kazakh SSR 6 14-21 '63

Effect of inorganic salts on the potential of the anthracite electrode and the stability of anthracite and carbon suspensions in relation to their "salt" flotation [with summary in English]. V. I. Klassen, IA. T. Liaskovskii. Koll. zhur. 25 no. 5:549-554 S-O '63.

Effect of the density of the iron-ore pulp, in mixing it with reagents, on the flotation indices. F. N. Belash, Kh. U. Koval'chuk. Izv. vys. ucheb. zav., gor. zhur. 6 no. 3 164-169 '63

Flotation of oxidized zinc minerals. V. M. Arashkevich, M. N. Belov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 3 190-196 '63

Interaction of zinc sulfide with sodium plumbite. E. I. Ponomareva and others. Trudy Inst. met. i obog. AN Kazakh SSR 6 30-33 '63.

Moscow. TSentral'nyi institut informatsii tsvetnoi metallurgii. [Centralized control of flotation ore dressing plants] TSentralizovannyi kontrol' flotatsionnykh obogatitel'nykh fabrik. Moskva, 1963. 66 p. (Obogashchenie)

Potentialities for increasing the effectiveness of the flotation process. B. I. Revazashvili, E. A. Ivanov, IU. G. Kultashov. TSvet. met. 36 no. 5 24-29 My '63.

Studying the electrochemical properties of tantalite surface during its interaction with certain flotation reagents. S. I. Pol'kin, T. B. Naifonov, R. Sh. Shafeev. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2 169-172 Mr-Ap '63.

FLOTATION—EQUIPMENT AND SUPPLIES

Action of hydrocarbon oils during flotation. A. K. Livshits, A. S. Kuzikin. TSvet. met. 36 no. 5 17-24 My '63.

Comparative testing of "Mekhanobr" and "Sikhali" flotation machines at the Kirovgrad plant. E. L. Melekhova and others. TSvet. met. 36 no. 9:14-16 S '63.

Flotation and separation of pyrochlore, ilmenite-rutile, and zircon and the mechanism of the action of reagents. S. I. Pol'kin, P. I. Andreev. TSvet. met. 36 no. 5 9-17 My '63.

Impulse integrator with a wide range for changing the parameter of the opening. V. Z. Kozin. Izv. vys. ucheb. zav. gor. zhur. 6 no. 3:155-162 '63

Obtaining a stable concentrated emulsion from lubricating oils. R. A. Skormina. Trudy Inst. met. i obog. AN Kazakh. SSR 6 11-13 '63.

UMK-500 flotation machine. A. V. Lebedev and others. TSvet. met. 36 no. 9:11-14 S '63.

FLOUR see subdivision under Uzbekistan

FLOUR—TESTING

Characteristics of the baking properties of hulled rye flour based on the autolytic activity. T. I. Shkvarkina, V. V. Zhigunova. Khleb. i kond. prom. 7 no. 9 7-8 S '63.

FLOUR MILLS—EQUIPMENT AND SUPPLIES

Tul'chinskii, E. M. [Design and mounting of the equipment of mills with pneumatic conveying] Konstruktsii i montazh oborudovaniia mel'nits s pnevmaticheskim transportom. Moskva, Zagotizdat, 1963. 177 p.

FLOWERING OF PLANTS see Plants, Flowering of

FLOWERS

Disinfecting the planting stock of flowers. E. P. Shumilenko, A. I. Sharanova. Zashch. rast. ot vred. i bol. 8 no. 4:38 Ap '63.

FLOWMETERS

EMK-1 electromagnetic flowmeter for turbulent water flow [with summary in English]. A. P. Kestner. Trudy Inst. okean. 66:125-141 '63.

FLUID DYNAMICS

Budagov, IU. A., and others. [Gas hydrodynamic design of the mechanism of pressure variation in a large-scale bubble chamber] Gidrogazodinamicheskii raschet mekhanizma izmenenia davlenia bol'shoi puzyr'kovoi kamery. Dubna, Izd-vo Ob"edinennyi in-t iadernykh issledovanii, 1963. 18 p. (With summary in English)

Conditional limits of fluidity in experimental testing of various plasticity hypotheses. G. P. Zaitsev. Izv. Sib. otd. AN SSSR no. 2, 110-111 '62.

Equations of the motion of a gas-condensate mixture in porous media. V. N. Nikolaevskii. Inzh. zhur. 3 no. 3: 557-559 '63.

Experimental investigation of convective heat transfer in a pulsating noncompressible-fluid flow. IU. A. Sozin. Izv. vys. ucheb. zav., av. tekh. 6 no. 3, 87-91 '63.

Laminar boundary layer of a fluid of variable viscosity. I. I. Ibragimov, V. P. Kashkarov. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2, 161-168 '63.

Modified stream function in one-dimensional unsteady nonisentropic flows with plane waves [with summary in English]. K. P. Surovikhin. Vest. Mosk. un. Ser. 1: Mat., mekh. 18 no. 5:50-52 S-O '63.

Nonlinear formulation of the Cauchy [illegible] [with summary in English] N. O. [illegible] un. Ser. 1 Mat., mekh. 18 no. 5 [illegible] '63.

Solution of differential equations of the flow of fluid in a conic diffuser and between [illegible] the consideration of the [illegible] Izv. vys. ucheb. zav., av. tekh. 6 no. [illegible] '63.

Stability of laminar flow of thin liquid films [illegible] many in English]. A. F. Andreev. Zhurn. [illegible] fiz. 45 no. 4:755-759 S '63.

Theory of the splitting of a droplet by a [illegible] L. A. Klimchko. Inzh. zhur. 3 no. 4 [illegible] '63.

Unsteady efflux in a converging channel [illegible] maximum discharge. V. N. Kuvshinov. Izv. vys. uch. zav., av. tekh. 6 no. 3 114-117 '63.

Variability of energy dissipation in a turbulent [illegible] the spectral distribution of energy. I. A. Simonov. Prikl. mat. i mekh. 27 no. 5:914-916 S-O '63.

FLUID MECHANICS

Inverse problem of changing profiles in hydraulics. R. B. Salimov, Iu. M. Mujakovich. Izv. vys. ucheb. zav., mat. no. 4:150-157 '63.

Kochin, N. E., I. A. Kibel', and N. V. Roze. [Theoretical hydromechanics] Teoreticheskaia gidromekhanika. Pod red. I. A. Kibelia. Moskva, Fizmatgiz,
Pt. 1. Izd. 6., ispr. i dop. 1963. 583 p.
Pt. 2. Izd. 4., pererab. i dop. 1963. 727 p.

FLUID MECHANICS—PROBLEMS, EXERCISES, ETC.

Ablonskii, V. S., and I. A. Ianev. [Collection of problems and exercises in applied hydromechanics] Sbornik zadach i uprazhnenii po prikladnoi gidromekhanike. Moskva, Fizmatgiz, 1963. 200 p.

Moment relations on discontinuity surfaces in fluid media. G. I. Barenblatt, G. G. Chernyi. Prikl. mekh. 27 no. 5, 784-793 S-O '63.

FLUIDIZATION

Calculation of a thin fluidized bed with [illegible] heat-transfer agents [with summary in English] [illegible] Boroduliia. Inzh.-fiz. zhur. 6 no. 8 [illegible] Ag '63.

Heat transfer between a packing and a fluidized [illegible] interstitial channels [with summary in English] [illegible] Baskakov, V. S. Vershinin. Inzh.-fiz. zhur. [illegible] 3-9 Ag '63.

Hydrodynamic conditions for the fluidization of [illegible] materials in a conical model with a double [illegible] IA. V. Shvartsblum, L. M. Vaisbanskaia. Khim. [illegible] nost. no. 5:13-15 S-O '63.

Testing four-zone furnaces with a fluidized [illegible] magnetization roasting of iron ores. V. I. [illegible] G. V. Gubin, A. M. Kuchel. Stal' 23 no. 6:[illegible] Je '63.

FLUORESCENCE MICROSCOPY

Fluorescence method of examination in dermatology [with summary in English]. I. S. Goldenberg. Vest. derm. i ven. 37 no. 2:54-56 F '63.

Fluorescence-morphological method of examination in the diagnosis of uterine cancer [with summary in English]. B. I. Zhelezhnov. Akush. i gin. no. 2 [illegible]

Investigation of the location of glycoalkaloid in [illegible] tissues of Solanum aviculare Forst. by fluorescence microscopy. V. I. Moskalova, I. V. Gorbunova. Bot. zhur. 48 no. 8:1208-1210 Ag '63.

Rapid diagnosis of typhoid-paratyphoid diseases. [illegible] Ivanova, V. G. Bochorishvili. Zhur. mikrobiol. [illegible] immun. 40 no. 1, 81-85 '63

Some results of the use of fluorescence microscopy in bacterioscopic diagnosis of gonorrhea [with summary in English]. V. A. Aleksandrov. Akush. i gin. no. 2:81-83 '63.

FLUORESCENT LAMPS

Accelerated qualitative evaluation of the life of start regulating apparatus of fluorescent lamps. S. IU. Maskas. Svetotekhnika 9 no. 9:13-21 S '63.

Choice of networks for connecting fluorescent lamps. A. G. Alikhanidi, A. E. Krasnopol'skii, V. S. Litvak. Svetotekhnika 9 no. 9:22-24 S '63.

FLUORESCENT LIGHTING

Kliuev, S. A., and V. N. Mikhailova. [Electrical lighting of buildings having no windows or skylights] Elektricheskoe osveshchenie besfonarnykh zdanii. Moskva, Gosenergoizdat, 1963. 62 p. (Biblioteka elektrotekhnika, no. 97)

FLUORIDES

Interaction of carbonate and fluoro groups in the inner sphere of uranyl complexes. I. I. Chernyaev and [illegible] Zhur. neorg. khim. 8 no. 10:2232-2239 O '63.

Shift of bands in the absorption spectra of U(IV) during the fluoride complex formation. V. M. Vdovenko, L. A. Romanov, V. A. Shcherbakov. Radiokhimiia 5 no. 4 511-513 '63.

FLUORINE—ANALYSIS

Distribution of fluorine in the ice and liquid phases of water of some water sources of Irkutsk and Irkutsk Province. T. N. Ruzhnikova. Izv. SO AN SSSR no. 7. Ser. khim. nauk no. 2:82-86 '63.

FLUORINE—TOXICOLOGY
Effect of fluorine and fluorine-containing aluminum oxide dust on the upper respiratory tracts. I. M. Ispuganov. Vrach. delo no. 7 119-122 Jl '63.

FLUORINE COMPOUNDS
Studying the dielectric losses of the copolymers of tetrafluoroethylene and other fluorine-containing monomers. B. I. Sazhin, T. P. Orlova. Plast. massy no. 10 8-10 '63.

FLUORITE see subdivision under Donets Basin

FLUOROPLAST
Isosteric and differential heats of adsorption of n-hexane, benzene, and carbon tetrachloride vapors on polytetrafluoroethylene (teflon) [with summary in English]. A. V. Kiselev, M. V. Serdobov. Koll. zhur. 25 no. 5:543-548 S-O '63.
Preparation of graft copolymers. Copolymers of polytetrafluoroethylene with methyl methacrylate. V. V. Korshak, K. K. Mozgova, T. M. Babchinitser. Dokl. AN SSSR 151 no. 6 1332-1334 Ag '63.

FLUOSILIC ACID
Fluosilicic method for separating rare-earth elements. S. V. Bleshinskii and others. Izv. AN Kir. SSR Ser. est. i tekh. nauk 5 no. 1:21-24 '63.

FLUX (METALLURGY)
New technology for the production of fluxes for soldering and welding. A. L. Vulikh and others. Svar. proizv. no. 9 24-26 S '63.

FLYWHEELS
Method for calculating the flywheel mass of a diesel generator aggregate in independent rural electric power generators operating under sharp changes of loads [with summary in English]. G. I. Nazarov, A. S. Simonenko. Izv. TsKHA no. 2:155-165 '63.

FOAMING
Foaming in nonaqueous solutions. Part 1. Selection of frothing agents for plasticizers [with summary in English]. O. G. Tarakanov, F. G. Eremina. Koll. zhur. 25 no. 5:596-599 S-O '63.
Influence of certain factors on froth-forming process during the oxidation of p-xylene. T. P. Burmistrova, N. N. Terpilovskii, V. V. Nesmeiov. Trudy KKHTI no. 30 289-295 '62.

FOFANOV, ALEKSEI IVANOVICH, 1915-
Sokolov, A. A. [Stronger than armor] Krepche bronI. Petrozavodsk, Kareľskoe knizhnoe izd-vo, 1963. 74 p.

FOLDS (GEOLOGY) see subdivision under Dnieper-Donets Lowland, Karatau

FOLIC ACID
Andreeva, N. A. [Vitamins of the folic acid group; their nature, functions, uses] Vitaminy gruppy folievoI kisloty, priroda, funktsii, primenenie. Moskva, Izd-vo Akad. nauk SSSR, 1963. 65 p.

FOLK ART see subdivision under Rumania

FOLK ART, UKRAINIAN
Folk ornament in the graphic decoration of books. Z. M. TSaryk. Mat. z etn. ta mystetstvoznav. no. 7/8:72-89 '62.

FOLK DANCING see subdivision under Togo

FOLK DANCING, UKRAINIAN
Boiko variants of Russian, Czech, Polish, Hungarian, and German dances. R. P. Horasymchuk. Mat. z etn. ta mystetstvoznav. no. 7/8 90-135 '62.

FOLK MUSIC see subdivision under Caucasus, Northern

FOLK MUSIC, GEORGIAN
Historic relation between the Georgian and North-Caucasian folk music. V. A. Gvakharia. Mat. po etn. Gruz. no. 12/13 281-290 '63.
Historiography of Georgian folk music [in Georgian with summary in Russian]. G. Z. Chkhikvadze. Mat. po etn. Gruz. no. 12/13, 215-234 '63.

FOLK SONGS, ESTONIAN
Kolk, U., and E. Laugaste. [Folk song field studies] Rahvaluule valipraktika. Tartu, Tartu Riiklik Ulikool, 1963. 124 p. [In Estonian]

FOLKLORE
Sukhobrus, M. S. [Ukrainian-Russian folklore ties in the light of Russian-Ukrainian studies made in the first half of the 19th century] Ukrains'ko-rosiis'ki fol'klorni zv'iazkyv osvitlenni vitchyznianot nauky porahot polovyny XIX st. Kyiv, Vydavnytstvo AN URSR, 1963. 214 p.

FOLKLORE, ESTONIAN
Kolk, U., and E. Laugaste. [Folk song field studies] Rahvaluule valipraktika. Tartu, Tartu Riiklik Ulikool, 1963. 124 p. [In Estonian]

FOLKLORE, SLAVIC
Akademiia nauk URSR, Kiev, Instytut mystetstvoznavstva, fol'kloru i etnografii. [Folklore ties among the Slavic peoples] Mizhslovians'ki fol'klorystychni vzaiemyny. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 206 p.

FOLKLORE STUDIES
Haidal, M. M. [Czechoslovak-Ukrainian ties in contemporary folklore studies, 1918-1960] Chekhoslovats'ko-ukrains'ki vzaiemymy v suchasnii fol'klorystytsi (1918-1960). Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 86 p.

FOOD, FROZEN
(see also subdivision under Kiev)
Introduce the use of frozen cooked meals in restaurants. N. Voitenko. Obshchestv. pit. no. 8 21 Ag '62.

FOOD INDUSTRY see subdivision under Astrakhan; Soviet Central Asia

FOOD INDUSTRY—FINANCE see subdivision under Saratov Province

FOOD INDUSTRY—PERIODICALS see subdivision under Ukraine

FOOD INDUSTRY—PRODUCTION STANDARDS see subdivision under Alma-Ata Province

FOOD MACHINERY
Mechanical cutting of cooked root crop vegetables. A. Kirillov. Obshchestv. pit. no. 8 32-35 Ag '62.
Roller for the preparation of fish ravioli. A. Savin. Obshchestv. pit. no. 8:35 Ag '62.
Use of plastics in the manufacture of food machinery. IA. V. Golovko. Khleb. i kond. prom. 7 no. 6:7-9 Je '63.

FOOD MACHINERY—ABSTRACTS
[Food machinery manufacture] Ref. zhur.: Pishch. mashinostr. no. 10 O '63.

FOOT
Foot deformation in the metatarsus-phalanx joint during the raising of the heel. A. N. Kalita, T. S. Kochetkova, IU. P. Zybin. Izv. vys. ucheb. zav., tekh. leg. prom. no. 2:75-82 '63.
Studying foot deformation during compression. N. K. Kushnir. Izv. vys. ucheb. zav., tekh. leg. prom. no. 4 93-97 '63.

FOOT—ABNORMITIES AND DEFORMITIES
Two cases of surgical treatment of pes equinus developing from scleroderma. G. L. Edel'shtein, M. F. Tukubaeva. Ortop., travm. i protez. 24 no. 2 71-72 F '63.

FOOT—DISEASES
Experience in the treatment of patients with mycoses of the foot. G. K. Andriasian. Vest. derm. i ven. 37 no. 1: 49-52 Ja '63.
Insertion appliances of polyethylene in foot defects. L. E. Rukhman, T. P. Raevskaia, V. L. Khapman. Ortop., travm. i protez. no. 1 77-80 '63.

FOOT—SURGERY
Two cases of surgical treatment of pes equinus developing from scleroderma. G. L. Edel'shtein, M. F. Tukubaeva. Ortop., travm. i protez. 24 no. 2:71-72 F '63.

FOOT-AND-MOUTH DISEASES
Chemical purification of the foot-and-mouth disease virus by organic solvents. O. P. Silin and others. Visnyk sil'hosp. nauky 6 no. 9 101-107 S '63.

FORAGE PLANTS see subdivision under Azerbaijan

FORAMINIFERA, FOSSIL see subdivision under Carpathian Mountains; Chusovaya Valley; West Siberian Plain

FORCEPS
Forceps for the removal of screws from the bronchi in children. M. P. Mezrin. Zhur. ush., nos. i gorl. bol. 23 no. 4:92-93 Jl-Ag '63.
New model of ear forceps. K. S. Aznaur'ian. Zhur. ush., nos. i gorl. bol. 23 no. 4:91 Jl-Ag '63.

FOREARM—FRACTURE
Diaphysial fractures of the bones of the forearm and their treatment. G. Heinzl. Ortop., travm. i protez. no. 1 15-23 '63.

FOREIGN EXCHANGE
Brief information on foreign exchange and banks abroad. Den. i kred. 21 no. 9:85-88 S '63.
Is it the reforms that matter? [with summary in English, p 64]. A. Frumkin. Vnesh. torg. 43 no. 9:28-33 '63.

FOREIGN TOURISTS see Tourists, Foreign

FORENSIC PSYCHIATRY see subdivision under Germany, West

FOREST ECOLOGY
Effect of the density of stands on their productivity in spruce-whortleberry forest. V. I. Kravchenko. Les. khoz. 16 no. 3:11-13 Mr '63.
Review of N. M. Gorhsenin's article "Contradictions and their role in the development of plant formations." V. N. Sukachev. Biul. MOIP, Otd. biol. 68 no. 5:115-116 S-O '63.
Role of trees of various growth classes in the formation of productive forest plantations [with summary in English]. V. P. Timofeev. Izv. TSKHA no. 2:101-108 '63.

Shumakov, V. S. [Types of forest plantations and the fertility of soils] Tipy lesnykh kul'tur i plodorodie pochv. Moskva, Goslesbumizdat, 1963. 182 p. (DNAL)
Studying the interrelations of species in mixed stands by means of tagged atoms. A. G. Zyrianov. Les. khoz. 16 no. 6 24-26 Ag '63.

FOREST FIRES
Estimating fire hazards in a forest according to local data. N. P. Kurbatskii. Les. khoz. 16 no. 8 38-42 Ag '63.
Investigating fire hazards in some forest types. N. V. Koril'ev. Les. khoz. 16 no. 7:76-82 Jl '63.

FOREST FIRES—PREVENTION AND CONTROL
(see also subdivision under Sakhalin)
The Mi-4 helicopter in the extinction of forest fires. V. P. Molchanov. Les. khoz. 16 no. 3:41-42 Mr '63.
Vereskunov, V. K., and B. P. Nal'skii. [Safety measures and fire prevention in lumbering and lumber transporting operations] Tekhnika bezopasnosti i proivopozharnye meropriiatiia na lesozagotovitel'nykh i lesotransportnykh rabotakh. Moskva, Gosgeoltekhizdat, 1962. 48 p. (DNAL)

FOREST INFLUENCES see subdivision under Kazakhstan, Ural Mountains

FOREST INSECTS
"Guide to forest pests" by A. I. Il'inskii. Reviewed by P. G. Troshanin. Les. khoz. 16 no. 3:90 Mr '63.

FORFST INSECTS—BIOLOGICAL CONTROL
Make way for new methods and means in forest protection. A. I. Komlogin. Les. khoz. 16 no. 8:48 Ag '63.

FOREST INSECTS—EXTERMINATION
(see also subdivision under Ukraine)
Forecasting the mass multiplication of injurious insects in forests of the Russian Federation in 1963. Les. khoz. 16 no. 3:30-40 Mr '63.

FOREST MANAGEMENT
(see also subdivision under Archangel Province, Carpathian Mountains; Estonia, Georgia; Latvia; Lithuania; Moscow Province, White Russia)
Belov, S. V., I. D. Dmitriev, and A. E. Kolesova. [Aerial photographic surveying and aviation in forest management] Aerofotos"emka i aviatsiia v lesnom khoziaistve, uchebnoe posobie dlia studentov lesokhoziaistvennogo fakul'teta. Pod obshchei red. S. V. Belova. Leningrad, Vses. zaochnyi lesotekhn. in-t, 1962. 250 p.
Biological bases of forest drainage. N. I. P'iavchenko. Les. khoz. 16 no. 7:75-77 Jl '63.
Computing the area of principal yield cuttings. V. M. Ivanov. Les. prom. 10 no. 9:31-32 S '62.
For technological progress and increase in the productivity of forests. M. G. Gorokhov. Les. khoz. 16 no. 8: 72-75 Ag '63.
For the improvement of forest management and the increase of forest productivity. Les. khoz. 16 no. 7: 2-6 Jl '63.
Gradual and selective cuttings in forests of the U. S. S. R. N. P. Anuchin. Les. khoz. 16 no. 7:12-16 Jl '63.
Increasing forest productivity by raising fast-growing species. A. S. IAblokov. Les. khoz. 16 no. 7:41-46 Jl '63.
Mechanized gradual strip cuttings. M. IA. Oskretkov. Les. khoz. 16 no. 8:69-71 Ag '63.
Present state and possible development of forest drainage. N. A. Nagovitsyn, E. D. Sabo, T. V. Khokhlov. Les. khoz. 16 no. 7:69-74 Jl '63.
Studies on forest management. A. V. Tiurin. Les. khoz. 16 no. 8:79-83 Ag '63.

FOREST MANAGEMENT—CONGRESSES
Conference-seminar on the mechanization of calculating operations in forest management. A. G. Moshkalev, L. M. Spitsyn. Les. khoz. 16 no. 3:92 Mr '63.

FOREST NURSERIES
Drill for sowing pine in wide rows in nurseries. N. Zheltov. Les. khoz. 16 no. 3:57 Mr '63.
Protecting nursery stock of spruce and pine against birds. L. M. Kozlova, I. V. Shutov. Les. khoz. 16 no. 7:85 Jl '63.

FOREST PROTECTION
Our consultations. V. A. Lavrent'ev. Les. khoz. 16 no. 8:78-79 Ag '63.
Preserving the young spruce growth in mechanized logging operations. N. A. Titov. Les. khoz. 16 no. 3:8-9 Mr '63.

FOREST REPRODUCTION
(see also subdivision under Komi A. S. S. R.; Talysh Mountains)
Chemical weeding of a forest. O. Kolesova. Nauka i zhizn' 30 no. 8 6-7 S '63.
Comparative characteristics of seed reproduction of small-leaved linden (Tilia cordata Mill.) under different ecologic conditions. M. S. Dvorakovskii, M. D. Alukhov. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 5:35-47 S-O '63.

FORLST REPRODUCTION (Continued)
Conditions for the regeneration of pine in the central taiga zone. N. I. Mamonov. Les. khoz. 16 no. 8 30 Ag '63.
Role of the young spruce growth in the development of spruce-hardwood stands. M. N. Prokop'ev. Les. khoz. 16 no. 8:9-11 Mr '63.

FOREST ROADS
(see also subdivision under Belozersk region, Komi A. S. S. R., Latvia, Mari A. S. S. R.)
Against the use of wooden planking. A. A. Trachenko. Les. prom. 41 no. 8 19-21 Ag '63.
For advanced technology in logging and transporting operations. K. I. Voronitsyn. Les. prom. 41 no. 7 3-7 Jl '63.
Reinforced concrete slabs for main truck roads. I. I. Gavrilov, I. V. Shatov. Les. prom. 41 no. 6 24-26 Je '63.

FOREST SOILS
(see also subdivision under Stara Planina)
Fast-growing stands and soil fertility. V. S. Shumakov. Les. khoz. 16 no. 7:60-65 Jl '63.
Shumakov, V. S. [Types of forest plantations and the fertility of soils] Tipy lesnykh kul'tur i plodorodie pochv. Moskva, Goslesbumizdat, 1963. 182 p. (DNAL)

FORESTERS
Again in the rank. I. Mordvinov. Les. khoz. 16 no. 3: 81-86 Mr '63.

FORESTRY LAW AND LEGISLATION
(see also subdivision under Ukraine)
Codification of forestry laws. A. M. Turubinet. Sov. gos. i pravo no. 10 115-118 O '59.
Some difficulties in the trial of cases concerning the violation of forestry laws. A. Mushnikov. Sov. just. no. 16, 8 Ag '63.

FORESTRY RESEARCH
(see also subdivision under Siberia)
Present state and problems in the U. S. S. R. and in foreign countries. G. V. Krylov. Izv. Sib. otd. AN SSSR no. 2, 67-80 '62.

FORESTS AND FORESTRY
(see also subdivision under Abkhazia, Khakass Autonomous Province; Siberia; Soviet Far East; Vietnam, North)
Book reviews and bibliography. V. I. Nekrasov and others. Les. khoz. 16 no. 8 64-67 Ag '63.
Brief information. G. P. Samoilov and others. Les. khoz. 16 no. 8 64-66 Ag '63.
Brief news and information. A. Ishmametov and others. Les. khoz. 16 no. 8:94-96 Ag '63.
Brief news and information. Les. khoz. 16 no. 7:93-96 Jl '63.
Ideological education of foresters in the center of attention. Les. khoz. 16 no. 6:2-5 Ag '63.
Letters to the editor. Les. khoz. 16 no. 8 76-77 Ag '63.

FORESTS AND FORESTRY—BIBLIOGRAPHY see Bibliography—Forests and forestry

FORESTS AND FORESTRY—CONGRESSES
What the participants in the seminar talked about. Les. khoz. 16 no. 3:77-79 Mr '63.

FORESTS AND FORESTRY—ECONOMIC ASPECTS
(see also subdivision under Estonia; Pyshma Valley)
Production cost in forestry; based on the materials of the economic conference. M. Trubnikov, V. Sudnev. Les. khoz. 16 no. 3:51-53 Mr '63.

FORESTS AND FORESTRY—EQUIPMENT AND SUPPLIES
How we use a self-propelled chassis. N. A. Petrov. Les. khoz. 16 no. 3:50 Mr '63.
Small-size tractors. I. A. Lavrov, V. K. Zhukov, L. F. Barannikov. Les. prom. 41 no. 8, 12-14 Ag '63.
Valuable proposals by the Kirel' efficiency promoters. E. I. Khalnovskii. Les. khoz. 16 no. 3:57-59 Mr '63.
The "Zmeika" sod scarifier. L. V. Shein. Les. khoz. 16 no. 8:62 Ag '63.

FORESTS AND FORESTRY—EXHIBITIONS
Advanced practices and technology of reforestation and forest cutting operations on display at the Exhibitions of Achievements of the National Economy of the U. S. S. R. D. T. Kovalin. Les. khoz. 16 no. 3:68-71 Mr '63.

FORESTS AND FORESTRY—DICTIONARIES
Leningrad. Lesotekhnicheskaia akademiia. [English-Russian forestry dictionary] Anglo-russkii lesotekhnicheskii slovar'; uchebnoe posobie dlia studentov i aspirantov. 2. izd. Moskva, Goslesbumizdat, 1962. 524 p. (MIU)

FORESTS AND FORESTRY—LABOR PRODUCTIVITY
Labor productivity in clear-cuttings and gradual cuttings. Iu. O. Chimirov. Les. khoz. 16 no. 8:49-51 Ag '63.
Methods for determining labor productivity in forestry. R. D. Gendel', V. D. Areshchenko. Les. khoz. 16 no. 3: 43-47 Mr '63.

FORESTS AND FORESTRY—VALUATION
(see also subdivision under Sakhalin)
Estimating the growing stock without measuring trees. S. K. Baraev. Les. khoz. 16 no. 8 26-29 Ag '63.

FORGING
Movement of billets in free explosion forging. M. A. Anuchin and others. Izv. vys. ucheb. zav., mashinost. no. 6:155-161 '63.
Skliuev, P. V. [Hydrogen and flakes in large forgings] Vodorod i flokeny v krupnykh pokovkakh. Moskva, Mashgiz, 1963. 187 p.

FORGING MACHINERY see subdivision under Ryazan

FORK LIFT TRUCKS
New fork lift truck. V. A. Fedorchuk. Mekh. i avtom. proizv. 17 no. 8:43-44 Ag '63.
Use of a small fork lift truck in the servicing of a substation. L. IA. Aizman, L. S. Belen'kii. Elek. sta. 34 no. 8 85-86 S '63.

FORMAMIDE
Hygienic importance of air pollution by dimethylformamide. D. G. Odoshashvili. Pred. dop. kontsent. atmosf. zagr. no. 7 52-65 '63.

FORMS (MATHEMATICS)
A theorem of Minkowski and Chebotarev. Kh. Karanikolov. Usp. mat. nauk 18 no. 3:163-166 My-Je '63.

FORSH, OL'GA DMITRIEVNA, 1873-1961
Majestic march of history. Ogonek 11 no. 22:25 My '63.

FOUNDATIONS
Concerning the compound stressed state of the bases of deep foundations. V. G. Berezantsev. Osn., fund. i mekh. grun. 5 no. 5 1-5 '63.
Conference and seminar on the exchange of designing experiments and erection of pile-driven foundations. B. V. Goncharov, Ia. S. Preobrazhenskii. Osn., fund i mekh. grun. 5 no. 5 29-30 '63.
Installation of pile foundations in winter. A. Obolonin. Zhil. stroi. no. 6 28-29 '63.
Pile foundations in swollen soils. E. A. Sorochan, E. S. Burov. Osn., fund i mekh. grun. 5 no. 5 17-19 '63.
Precast reinforced concrete foundation for the KTP-58 transformer station. M. Kondrat'ev. Tekh. v sel'khoz. 23 no. 3:31-32 Mr '63.
Reviews and bibliography. Osn., fund i mekh. grun. 5 no. 5:31-3 of cover '63.
Several problems concerning the erection of pile foundations. M. A. Sitnikov. Osn., fund i mekh. grun. 5 no. 5 15-16 '63.
Some results of building industrial buildings on freshly placed fill. S. P. Golikov. Prom. stroi. 40 [i. e. 41] no. 6 39-41 Je '63.

FOUNDATIONS—TESTING
Evaluation of foundations made from weathered (alluvial) coarse fragmental soils. V. B. Shvets. Osn., fund i mekh. grun. 5 no. 5:13-15 '63.

FOUNDATIONS—VIBRATIONS
Calculation of the vertical vibrations of the foundation under the influence of impulsive periodic charging. S. A. Osmakov, Sh. L. Pecherskaia. Osn., fund. i mekh grun. 5 no. 5 26-27 '63.

FOUNDING
(see also subdivision under Alma-Ata)
Determining the linear speed of metal pouring. V. G. Gorenko, Iu. A. Pronin, A. P. Markevich. Lit. proizv. no. 8:34 Ag '63.
Forming cast metal-oxide compositions with the help of ultrasonic waves. G. I. Pogodin-Alekseev, K. F. Shchelokov. Lit. proizv. no. 8 26-27 Ag '63.
Increase the effectiveness of scientific and technical literature. Lit. proizv. no. 8-1-2 Ag '63.
Shifrin, G. E., and N. N. Durneev. [Processes in founding; introduction of a progressive technology and the mechanization of industrial processes at the "Krasnyi Aksai" Plant] Tekhnicheskii protsess v liteinom proizvodstve, opyt vnedrenila peredovoi tekhnologii i mekhanizatsii proizvodstvennykh protsessov na zavode "Krasnyi Aksai" Rostov-na-Donu, TSentr. biuro tekhnich. informatsii, 1960. 73 p. [MICROFILM]

FOUNDING—BIBLIOGRAPHY see Bibliography—Founding

FOUNDING—CONGRESSES
... ence of foundrymen] Materialy nauchno-tekhnicheskoi konferentsii liteishchikov. Pod obshchei red. R. I. Kecheka. Rostov-na-Donu, TSentr. biuro tekhn. informatsii, 1962. 173 p. [MICROFILM]

FOUNDING—TECHNOLOGICAL INNOVATIONS
(see also subdivision under Alma-Ata Province)
New development in founding production. B. Elpidin, V. Stupnikov. Nar. khoz. Kazakh. 21 no. 7 39-40 Jl '63.

FOUNDRIES
(see also subdivision under Syntul)
Book review. A. M. Terekhov. Lit. proizv. no. 8 41 Ag '63.
Sheatopal, V. M. [Specialization and the design of foundry shops and plants] Spetsializatsiia i proektirovanie liteinykh tsekhov i zavodov. Moskva, Mashgiz, 1963. 223 p.

FOUNDRIES—EQUIPMENT AND SUPPLIES
Cover with exhaust for DSP-3 type furnaces. V. P. Ivanichev. Lit. proizv. no. 8 30-31 Ag '63.
Denisov, I. S. [Assembly of foundry molds] Sborka liteinykh form. Moskva, Profizdat, 1963. 283 p.
Efficient gating systems for the casting of fittings. V. M. Volkov. Lit. proizv. no. 8 33-34 Ag '63.
Improved design of rotary pouring ladles. E. K. Teruel'. Lit. proizv. no. 8 31-32 Ag '63.
Mechanized removal of sand mixture from molding machines. G. N. Pronin, A. F. Kuz'menko. Lit. proizv. no. 8 36-37 Ag '63.
Mold paste to avoid sand sticking on castings and facing mixtures on the basis of chromite from Don Valley deposits. A. P. Nikiforov, IU. P. Vasin. Lit. proizv. no. 8 6-7 Ag '63.
New method of fixing blades on shot blasting machines. N. D. Mehta. Lit. proizv. no. 8 36 Ag '63.
Overhead foundry conveyor. E. I. Talanker. Lit. proizv. no. 8 35-36 Ag '63.
Pneumatic tube transportation in foundries. B. V. Baunat, B. N. Blagov, E. A. Chernin. Lit. proizv. no. 8:39 Ag '63.
Shifrin, G. L., and N. N. Durneev. [Processes in founding, introduction of a progressive technology and the mechanization of industrial processes at the "Krasnyi Aksai" Plant] Tekhnicheskii protsess v liteinom proizvodstve, opyt vnedrenila peredovoi tekhnologii i mekhanizatsii proizvodstvennykh protsessov na zavode "Krasnyi Aksai" Rostov-na-Dony, TSentr. biuro tekhnich. informatsii, 1960. 73 p. [MICROFILM]
Using bauxite-titanium foundry pig iron. M. D. Nikitenko and others. Stal' 23 no. 6:573-574 Je '63.

FOUNDRY SAND see Sand, Foundry

FOUR-O'CLOCKS
Effect of the amount of pollens on the fertilization process in Mirabilis jalapa. O. M. Gavrilova. Dokl. AN SSSR 151 no. 6:1441-1445 Ag '63.

FOURIER SERIES
A-integrals and series in Walsh's system. A. I. Rubinshtein. Usp. mat. nauk 18 no. 3:191-197 My-Je '63.
Uniqueness problem in the theory of trigonometric series. A. B. Paplauskas. Int. -mat. issl. no. 14:181-210 '61.

FRANCE—ATOMIC WEAPONS
Our commentaries. Nov. vrem. 21 no. 38:1-2 S '63.

FRANCE—COLLISIONS AT SEA
Some decisions of French courts. Inform. sbor. TSNIIMF no. 67. Mor. pravo i prak. no. 14, 87-89 '61.

FRANCE—COMMERCE—RUSSIA
Trade relations with France. K. Vladimirov. Vnesh. torg. 43 no. 9, 7-8 '63.

FRANCE—COMMUNIST PARTY
Mayor of Gennevilliers. S. Zykov. Sov. deput. trud no. 9:102-106 S '63.

FRANCE—CRIMINAL PROCEDURE
New criminal procedure code of France extends the jurisdiction of the police and restricts the rights of the individual. S. V. Bobrotov, E. F. Shsino. Sov. gos. i pravo no. 10:123-127 O '59.

FRANCE—ECONOMIC CONDITIONS
Modern France. N. Lubimov. Vnesh. torg. 43 no. 9 50-53 '63.

FRANCE—ECONOMIC POLICY
The end of a myth. T. Ievleva. Mezhdunar. zhizn' 10 no. 10:114-115 O '63.

FRANCE—FOREIGN RELATIONS
France: Militarization of the economy and politics. Jean Kanapa. Mezhdunar. zhizn' 10 no. 9:49-58 S '63.

FRANCE—FURNITURE INDUSTRY
At the French furniture manufacturing enterprises. B. M. Bugiel. Der. prom. 12 no. 10:27-32 O '63.

FRANCE—GLASS—TESTING
Testing of annealed sheet glass. Stek. i ker. 20 no. 10: 46 O '63.

FRANCE—GLASS MANUFACTURE
Composition of the metal alloys used in glass forming. Stek. i ker. 20 no. 10 46 O '63.

FRANCE—HISTORY
"France in the early 17th century, 1610-1620" by A. D. Lublinskaia, A. E. Roginskaia, S. D. Skazkin, M. A. Moldavskaia. Sred. vek. no. 23:277-288 '63.

FRANCE—LUMBERING—MACHINERY
Lumbering in the mountains of France. Z. Chkhubianishvili, S. Gvabov. Les. prom. 11 no. 8:29-31 Ag '63.

FRANCE—MARITIME LAW
From the practice of French courts. Inform. sbor. TSNIIMF no. 72 Mor. pravo i prak. no. 16:44-45 '62.
Some decisions of French courts. Inform. sbor. TSNIIMF no. 67, Mor. pravo i prak. no. 14:87-89 '61.

FRANCE—MARITIME LAW—PERIODICALS
A review of the "Le droit maritime français," a French periodical. M. I. Plotopopova. Inform. sbor. TSNIIMF no. 72 Mor. pravo i prak. no. 16:24-28 '62.

FRANCE—MENSURATION
Training of measurement specialists in France. Izm. tekh. no. 5:61-62 My '63.

FRANCE—MOTION PICTURES
Technology at the service of art in French motion pictures. J. Vivier. Tekh. kino i telev. 7 no. 9:41 S '63.

FRANCE—POLICE
New criminal procedure code of France extends the jurisdiction of the police and restricts the rights of the individual. S. V. Bobotov, E. F. Sheino. Sov. gos. i pravo no. 10:123-127 O '59.

FRANCE—POLITICS AND GOVERNMENT
Modern France. N. Liubimov. Vnesh. torg. 13 no. 9:50-53 '63.

FRANCE—REFUGEES, RUSSIAN
Open letter to the Mayor of Lyons. F. S. Naumovich and others. Nov. vrem. 21 no. 38:6-7 S '63.

FRANCE—RELATIONS (GENERAL) WITH RUSSIA
Looking through the pages.... A. N. Rubakin. Kul't. i zhizn' 7 no. 2:21-23 '63.

FRANCE—STRIKES AND LOCKOUTS
Counterattack of the monopolies. N. Kuznetsov. Mezhdunar. zhizn' 10 no. 8:108-109 S '63.

FRANCE—STRIKES AND LOCKOUTS—COAL MINING
Instructive practice. Henri Martel. Vsem prof. dvizh. no. 9:14-16 S '63.

FRANCE—TRADE UNIONS—CONGRESSES
Under the banner of hope and belief in the future. R. Tellez. Vsem. prof. dvizh. no. 7/8:25-29 Jl-Ag '63.

FRANCE—WAR—ECONOMIC ASPECTS
France: Militarization of the economy and politics. Jean Kanapa. Mezhdunar. zhizn' 10 no. 9:49-58 S '63.

FRANCE—WINDMILLS
Wind motors in the agriculture of France. V. Gorinskii. Tekh. v sel'khoz. 23 no. 2:82-83 F '63.

FRANCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENT
Interesting exhibition. T. A. Telliants. Inostr. iaz. v shkole no. 4:109-110 Jl-Ag '63.

FRANCE—YOUTH
New books published abroad. Mir. ekon. i mezhdunar. otn. no. 9:156-157 '63.

FRANKO, IVAN, 1856-1916
A coeval of our "great mason." Mykhailo Latyshev. Ukraina no. 22:12 S '63.
I. Franko's creative contacts with A. Krushel'nyts'kyi. S. M. Trofymuk. Rad. lit. 7 no. 5:84-90 S-O '63.
Ivan Franko as the editor of the periodical "Literaturno-naukovyi visnyk." I. H. Batsuia. Rad. lit. 7 no. 5:74-83 S-O '63.
Ivan Franko and the Russian fictionists of the 1860's. IU. Z. IAnkovs'kyi. Rad. lit. 7 no. 5:91-106 S-O '63.
Problems discussed in I. Franko's Polish tales. H. D. Verves. Rad. lit. 7 no. 3:64-82 My-Je '63.
Recently found lines from "Moses," a poem by I. Franko. Submitted by O. I. Del. Rad. lit. 7 no. 3:134-136 My-Je '63.
Some remarks on the literary craftsmanship of I. Franko's prose works. I. I. Bass. Rad. lit. 7 no. 5:60-73 S-O '63.

FREE WILL AND DETERMINISM
Problem of freedom and necessity in V. I. Lenin's book "Materialism and empiric criticism." N. L. Kurlianovich. Nauch. zap. Zapor. gos. ped. inst. 7 20-31 '50.

FREEZE-DRYING
Research on the viability of blood vessels preserved by freeze-drying [with summary in English]. M. V. Bilenko. Grud. khir. 4 no. 6:45-51 N-D '62.

FREEZING POINTS OF SOLUTIONS see Cryoscopy

FREIGHT AND FREIGHTAGE
(see also subdivision under White Russia)
Methodology for calculating the costs of automotive freight transportation. A. A. Lushchinskii. Nauch. trudy KHIIT no. 5:72-80 '62.
Transportation and dispatching service. V. Maslennikova. Vnesh. torg. 43 no. 9:41-43 '63.

FREIGHT AND FREIGHTAGE—CLAIMS
Delimitation of the liability of steamship lines and railroads for the loss of freight in the direct railroad and water transportation of goods. L. M. Egorov. Inform. sbor. TSNIIMF no. 58, Mor. pravo i prak. no. 12:12-21 '61.
Directive letters of the State Arbitration Agency attached to the Council of Ministers of the U. S. S. R. Inform. sbor. TSNIIMF no. 67 Mor. pravo i prak. no. 14:47-48 '61.
Let us fully protect the interests of the shippers of goods. R. Riabinskii. Sov. iust. no. 15:16-17 Ag '63.
Liability for loss and injury to freight in container transportation. G. B. Astanovskii. Inform. sbor. TSNIIMF no. 58, Mor. pravo i prak. no. 12:21-26 '61.
Kalitstratova, R. F. [Prearbitration procedure in settling the disputes of socialist organizations] Pretenzionnyi poriadok razresheniia sporov mezhdu sotsialisticheskimi organizatsiiami. Moskva, Gosiurizdat, 1963. 107 p.
Regulations on recording the loss of freight and baggage. Informs. sbor. TSNIIMF no. 58, Mor. pravo i prak. no. 12:40-59 '61.

FRENCH LANGUAGE
French language textbook for the ninth grade. E. B. Roizenblit. Inostr. iaz. v shkole no. 4:42-46 Jl-Ag '63.

FRENCH LANGUAGE—CONJUNCTIONS
Some types of constructions with the conjunctions "comme" and "que" in modern French. T. G. Belova. Vop. filol. no. 1:10-20 '62.

FRENCH LANGUAGE—GRAMMAR
Grammatical and lexical-stylistic characteristics of a direct transitive verb combined with a noun without an article in modern French, formations such as "faire part." A. A. Anfilof'ev. Vop. filol. no. 1:9-17 '62.

FRENCH LANGUAGE—STUDY AND TEACHING
Gak, V. G. [Learn to read French newspapers, a concise self-teacher] Uchites' chitat' gazetu na frantsuzskom iazyke; kratkii samouchitel'. Moskva, Izd-vo IMO, 1963. 151 p.

FRENCH LANGUAGE—STYLE
Grammatical and lexical-stylistic characteristics of a direct transitive verb combined with a noun without an article in modern French; formations such as "faire part." A. A. Anfilof'ev. Vop. filol. no. 1:3-17 '62.

FRENCH LANGUAGE—SYNTAX
Some types of constructions with the conjunctions "comme" and "que" in modern French. T. G. Belova. Vop. filol. no. 1:18-29 '62.

FRENCH LANGUAGE—WORD FORMATION
Syntactic conversion in French. IU. S. Stepanov. Vop. filol. no. 1:139-144 '62.

FRENCH LITERATURE—HISTORY AND CRITICISM
Basic stages in the development of realism in French literature; Article one: From the Renaissance to the end of the 18th century. L. O. Preobrazhenskaia. Uch. zap. Perm. gos. un. 23 no. 2:102-113 '62.

FRENCH NEWSPAPERS
Easy money of the newspaper kings. A. Domrachev. Sov. pech. no. 10:58-59 O '63.

FRENCH PERIODICALS
Looking through the pages.... A. N. Rubakin. Kul't. i zhizn' 7 no. 2:21-23 '63.

FRENCH SCULPTURE see Sculpture, French

FREQUENCY CHANGERS
Effect of strong interfering signals on the transmission factor of diode frequency converters. M. E. Moshovich. Elektrosviaz' 17 no. 9:16-25 S '63.
Frequency conversion using nonlinear inertial resistances. L. A. Birger. Radiotekh. i elektron. 8 no. 10:1678-1684 O '63.
Wide-band parametric frequency dividers. O. I. Mednikov. Vest. Mosk. un. Ser. 3: Fiz., astron. 18 no. 5:67-73 S-O '63.

FREQUENCY MEASUREMENTS
New version of the oscillographic method for frequency measurement. E. A. Zel'din. Izm. tekh. no. 5:52-53 My '63.
Phase errors of frequency conversion in phase meters with a modulation and synchronous signal detection. V. A. Potapov. Izm. tekh. no. 8:53-55 Ag '63.
Semiconductor capacitor frequency meter. V. I. Safonov, I. N. Ivanov, V. N. Komissarova. Izm. tekh. no. 5:40-43 My '63.

FREQUENCY REGULATION
Automatic frequency regulation with composite distribution of active loads between all stations of the electric power system. R. D. TSipitsiura. Energ. i elektrotekh. prom. no. 3:3-6 Jl-S '63.

FRESH WATER—ANALYSIS
Polarograph for determining the oxygen content in fresh-water lakes and rivers. A. A. Speranskaia, I. Sh. Khaidarov. Vest. Mosk. un. Ser. 3, Fiz., astron. 18 no. 5:24-27 S-O '63.

FRESHWATER BIOLOGY see subdivision under Baikal, Lake, Mingechaur Reservoir

FRICTION
Contact problem of the theory of creep allowing for the friction forces. N. Kh. Arutiunian, M. M. Manukian. Prikl. mat. i mekh. 27 no. 5:813-820 S-O '63.
Effect of oxides on the nonlubricated friction ratio of metal bodies in the air. A. M. Zuev. Izv. vys. ucheb. zav.; mashinostr. no. 6:200-207 '63.
Friction of a plow. Agoston Popp. Trakht. i sel'khozmash. 33 no. 9:16-19 S '63.
Specific weight of the product of friction in cutting rocks. L. I. Baron, L. B. Glatman. Nauch. soob. IGD 20:100-106 '63.

FRICTION MATERIALS
Semenov, A. P., R. M. Matveevskii, and V. V. Pozdniakov. [Production technology and properties of fluoroplast-containing antifriction materials; basic principles of their manufacture] Tekhnologiia izgotovleniia i svoistva soderzhashchikh ftoroplast antifriktsionnykh materialov, osnovnye printsipy proizvodstva. Moskva, Izd-vo Akad. nauk SSSR, 1963. 62 p.

FRICTIONAL RESISTANCE (HYDRODYNAMICS)
Theoretical calculation of heat transfer and frictional resistance in the turbulent flow of an incompressible fluid of variable physical properties in pipes. B. S. Petukhov, V. N. Popov. Teplofiz. vys. temp. 1 no. 1:85-101 Jl-Ag '63.

FRIENDSHIP
"Inculcating friendship and comradeship in senior students" by IE. M. Ryzhyla. Reviewed by H. A. Chepurnyi. Rad. shk. 42 no. 5:101 My '63.

FRONTAL SINUS—SURGERY
Trepanopuncture of the frontal sinus. S. F. Lapov, V. S. Soldatov. Zhur. ush., nos. i gorl. bol. 23 no. 4:91-92 Jl-Ag '63.

FROST-RESISTANT CONCRETE—TESTING
Frost-resistance tests of road concretes. K. G. Zelenov. Standartizatsiia 27 no. 9:25-27 S '63.

FROZEN FOOD see Food, Frozen

FROZEN GROUND
(see also subdivision under Bratsk Reservoir region; Siberia, Western)
Alimov, O. D., I. G. Basov, and Z. M. Pralusevich. [Cutting frozen ground with the URMG-60 unit] Rezanie merzlykh gruntov ustanovkoi URMG-60. Tomsk, Izd-vo Tomskogo sovnarkhoza, 1962. 10 p. [MICROFILM]
Driving piles into frozen ground with the help of a barlike device. S. Kosarev. Osn., fund. i mekh. grun. 5 no. 5:23 '63.
Tiutiunov, I. A., and Z. A. Nerseesova. [The nature of the movement of water in soils during freezing, and the bases of physical and chemical methods of controlling heave] Priroda migratsii vody v gruntakh pri promerzanii i osnovy fiziko-khimicheskikh priemov bor'by s pucheniem. Moskva, Izd-vo Akad. nauk SSSR, 1963. 157 p.
Poltev, N. F. [Principles of the surveying of frozen ground (selected chapters)] Osnovy merzlotnoi s"emki (izbrannye glavy). Pod red. V. A. Kudriavtseva. [Moskva] Izd-vo Mosk. univ., 1963. 98 p.
Protective groundings for underground mining under permafrost conditions. N. I. Borodin. Gor. zhur. no. 9:45-48 S '63.
Reviews and bibliography. Osn., fund. i mekh. grun. 5 no. 5, 31-3 of cover '63.
Working frozen ground. M. P. Martiushov. Mekh. stroi. 20 no. 9:16 S '63.
Working frozen ground with rotary excavators in the Main Administration for Industrial Construction in the Volga Area. D. A. Lozovoi, V. D. Pashin, IU. M. Trushin. Mekh. stroi. 20 no. 9:17 S '63.

FROZEN MEAT see Meat, Frozen

FRUCTOSE
Determining fructose content of sugar beet molasses. V. E. Semevskaia. Spirt. prom. 29 no. 6:4-7 '63.

FRUIT—DISEASES AND PESTS
Poisonous chemicals for collective orchards and farmers' personal plots. A. B. Fratkin. Zashch. rast. ot vred. i bol. 8 no. 9:38 S '63.

FRUIT—HARVESTING

Determining the operating conditions of a vibration machine for fruit harvesting. G. P. Varlamov. Trakt. i sel'khozmash. 33 no. 9:33-35 S '63.

FRUIT, DRIED—DISINFECTION see subdivision under Soviet Central Asia

FRUIT CULTURE see subdivision under Donets Basin

FRUIT CULTURE—RESEARCH see subdivision under Crimea

FRUITE CULTURE—STUDY AND TEACHING

Studying fruit-tree pollination in a school garden. N. I. Gromova. Biol. v shkole no. 3:46 My-Je '63.

FRUIT TREES—DISEASES AND PESTS

The picrid butterfly Aporia crataegi. L. G. Shcheglova. Zashch. rast. ot vred. i bol. 8 no. 9:36 S '63.

FRUNZE—MEDICAL CARE

Warm heart. N. Baitkevich. Sov. Kiras. Priest. 13 no. 2:18 My-Ap '63.

FUEL

(see also subdivision under Soviet Central Asia; White Russia)

Conference on the saving of electric and thermal energy. M. V. Pantelev. Prom. energ. 18 no. 10:43-44 O '63.

In the Fuel Section of the Technical and Economic Council of the Moscow Economic Council. V. V. Beresnevich. Torf. prom. 40 no. 4:35 '63.

Gebler, I. V., and N. M. Smol'laninova. [The problem of metallurgical fuel for the metallurgy of Tomsk Province iron ores] Problema metallurgicheskogo topliva dlia ispol'zovaniia zheleznykh rud Tomskoi oblasti. [Tomsk] Izd-vo Tomskogo univ. 1959. 14 p. [MICROFILM]

FUEL PUMPS—DESIGN AND CONSTRUCTION

Perfecting the design of the ONM pump. E. N. Andreeva. Trakt. i sel'khozmash. 33 no. 9:14-15 S '63

FUEL PUMPS—MAINTENANCE AND REPAIR

Technology of repairing plunger bushings of fuel pumps. V. A. Baranov, N. E. Subbotin. Trakt. i sel'khozmash. 33 no. 5:43-44 My '63.

FUEL RESEARCH

Study of high-speed thermal decomposition of fuels in a periodically operating plant with a solid heat-transfer agent, as exemplified by Chernovskiy lignite. S. I. Shabanov, E. V. Kolbasov. Izv. Sib. otd. AN SSSR no. 2:25-30 '62.

FUNCTIONAL ANALYSIS

Early history and development of the theory of approximation of functions. N. A. Gusak. Ist.-mat. issl. no. 14:289-348 '61.

FUNCTIONAL EQUATIONS

Cauchy's problem for a functional equation. G. N. Agaev, R. I. Alikhanova. Trudy Inst. mat. i mekh. AN Azerb. SSR 2:129-132 '63.

FUNCTIONS

A-integrability in the narrow sense. I. L. Bondi. Mat. sbor. 61 no. 2:121-146 Je '63.

A class of Banach spaces of functions. Yu. I. Gribanov, P. K. Belobrov. Izv. vys. ucheb. zav., mat. no. 4:44-55 '63.

Extremum problem for a certain class of functions [with summary in English]. M. Levin. Izv. AN Est. SSR. Ser. fiz.-mat. i tekh. nauk 12 no. 2:132-140 '63.

Integral transcendental functions and their use in studying N-functions. V. S. Videnskii. Mat. sbor. 62 no. 2:121-139 O '63.

Region of the values of the derivative of a convex function univalent outside a unit circle [with summary in English]. O. S. Nosenko. Dop. AN URSR no. 8:1001-1005 '63.

Superpositions of N-functions [with summary in English]. I. I. TSybanok. Dop. AN URSR no. 8:993-997 '63.

Order and asymptotic value of the approximation of functions by generalized linear Landau operators. R. G. Mamedov. Trudy Inst. mat. i mekh. AN Azerb. SSR 2:49-65 '63.

A semi-inverse problem. L. A. Sakhnovich. Usp. mat. nauk 18 no. 3:199-206 My-Je '63

FUNCTIONS, ENTIRE

Inequalities between various weight norms for integral functions of the exponential type. A. S. Dzhafarov. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekh. nauk no. 2:17-25 '63.

FUNCTIONS, GAMMA

M. V. Ostrogradskii's paper on gamma functions, read on February 4, 1859. Ist.-mat. issl. no. 14:529-538 '61

FUNCTIONS, ORTHOGONAL

A class of multiplicative orthonormalized systems of functions. G. N. Agaev, G. M. Dzhafarli. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekh. nauk no. 2:27-36 '63.

FUNCTIONS OF REAL VARIABLES

Theorems of the Hadamard and Phragmén-Lindelof type. A. A. Novruzov. Izv. AN Azerb. SSR Ser. fiz.-mat. i tekh. nauk no. 2:37-48 '63.

FUNCTIONS OF SEVERAL VARIABLES

Construction of linear positive operators for functions of two variables. V. A. Baskakov. Izv. vys. ucheb. zav.; mat. no. 4:7-14 '63.

Some direct and inverse theorems on best approximation in the mean of functions of several variables, and theorems on imbedding with weight. A. S. Dzhafarov. Trudy Inst. mat. i mekh. AN Azerb. SSR 2:5-23 '63.

Stable boundary values of a differentiable function of several variables. S. M. Nikol'skii. Mat. sbor. 61 no. 2:224-253 Je '63.

FUNERAL RITES AND CEREMONIES

Did religion always exist? V. Zybkovets. Nauka i rel. 4 no. 5:78-81 My '63

FUNGI

(see also subdivision under Angren Valley; Transbaikalia)

Carbohydrate composition of hydrolysates obtained as the result of the action of cytolytic fungi cultures on various substrates. L. S. Salmanova, E. A. Gorbachkova. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no. 9:62-69 '62.

FUNGI—PHYSIOLOGY

Problem of the sexualization of fungi today. I. V. Sutovskaia. Bot. zhur. 48 no. 8:1181-1190 Ag '63

FUNGI IMPERFECTI see subdivision under Kedrovaya Pad' Preserve; Rumania

FUNGICIDES

Chemicals for controlling fungus diseases of acorns. G. V. Khrustalev. Les. khoz. 16 no. 7:87 Jl '63.

FUR—TESTING

Nature of the abrasion of the hair covering of fur skins. B. F. TSerevitinov, A. N. Besedin. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:11-13 '63.

FURALDEHYDE

Condensation of furfurole with nitromethane in the presence of anion exchangers. Kh. R. Rustamov, R. Usmanov. Uzb. khim. zhur. 7 no. 4:44-46 '63.

Pollution of air by furfurole and its hygienic importance. R. Ubaidullaev. Pred. dop. kontsent. atmosf. zagr. no. 7:11-31 '63.

FURAN

Synthesis of tetrahydrofuran ketones and their isomerization to γ-diketones. N. I. Shulkin and others. Dokl. AN SSSR 151 no. 6:1350-1351 Ag '63.

FURNACES

Burning of anthracite in PMZ furnaces. V. P. Artem'ev, Vechaev. Energetik 11 no. 9:21-24 S '63.

of ejector devices for boiler furnaces. A. P. Kogan, D. M. Khzmalian. Teploenergetika S '63.

ce of burner systems with centrifugal khmedov. Energomashinostroenie 9 63.

s of the "B. Pikinskii" Peat Briquet kov, P. T. Biakov. Torf. prom. 40

nuation factor of ash dust. A. G. alevskaia. Teploenergetika 10

'REATING

n of combustion in an air-fountain mary in English]. E. Klinap. Izv. iz.-mat. i tekh. nauk 12 no. 2:172-

K. V. Dneprenko, O. D. Smian, A. N. o. 8:854-855 S '63.

ntain type furnaces [with summary ipkov. Izv. AN Est. SSR. Ser. fiz.-2 no. 2:180-188 '63.

Review of S. L. Rustemov's book "Equipment and design of heat-treatment plants." IA. R. Ioanidi loved. i term. obr. met no. 10:60-61 O '63.

Testing four-zone furnaces with a fluidized bed for the magnetization roasting of iron ores. V. I. Karas'-G. V. Gubin, A. M. Kucher. Stal' 23 no. 6:491 Je '63.

FURNACES, HEATING

Investigating the performance of holding furnaces for nonoxidizing heating. Iu. I. Rozengart and others. Stal' 23 no. 9:848-853 S '63

Rotary furnace for heating bits. P. P. Kolinskii. zhur. no. 9:66-68 S '63

FURNACES, HEATING—DESIGN AND CONSTRUCTION

Improved bricklaying of roll-out hearth bottom of leum gas heating furnaces. B. M. Gulsin. Lit. proizv. no. 5:35 Ag '63.

FURNACES, HEATING—HANDBOOKS, MANUALS, ETC.

[Metal heating before rolling] Nagrev metalla pered prokatkoi; spravochnik dlia rabochikh. [By] V. F. nov, i dr. Moskva, Metallurgizdat, 1963. 220 p.

Starikov, A. N. [Reference book for carpenters and furniture makers] Spravochnaia kniga dlia stroitelia i mebel'shchika. [Leningrad] Lenizdat, 1963. 414 p.

Results of the second turn of the All-union competition for the best furniture models for residential and public buildings. Der. prom. 12 no. 10:2 of cover O '63.

FURNITURE—EXHIBITIONS

Competitive display furniture models for public halls. Der. prom. 12 no. 4:3 Ap '63

Exhibition of household furniture specimens. Der. prom. 12 no. 10:2 O '63.

FURNITURE INDUSTRY

(see also subdivision under France; Georgia, Kiev, Leningrad; Moscow, Vladivostok)

Conference on the introduction of new, modern materials for furniture finishing. A. S. Glebov. Der. prom. no. 6:24-25 Je '63.

Cooperative production of plywood and bent-glued parts for furniture. N. A. Morozov, Z. I. Ushchenko. Der. prom. 12 no. 4:9 Ap '63.

Experiments in introducing polyester enamels for furniture finishing. P. A. Davidenko. Der. prom. 12 no. 10:5 '63.

Review of research and design work of the Central Furniture Design Bureau completed in 1962. Der. prom. 12 no. 9:25-26 S '63.

Petrov, B. S., and V. A. Sizov. [Specialization and cooperation of furniture enterprises] Spetsializatsiia i kooperirovanie mebel'nykh predpriiatii. Moskva, Goslesbumizdat, 1963. 91 p.

Technology of the production of bent-glued furniture parts. Z. I. Ushchenko. Der. prom. 12 no. 2:3 '63.

FURNITURE INDUSTRY—EQUIPMENT AND SUPPLIES see subdivision under Leningrad

FUSED SALTS

Hydrometallurgical treatment of fused thiosalts and cadmium sublimates from the smelting of shaft-furnace dusts with sodium sulfate. I. R. Polyvianyi, V. P. Solov'eva. Trudy Inst. met. i obog. AN Kazakh SSR 6:130-137 '63.

Precipitation from fused salts. Report No. 3: Precipitation of neodymium and praseodymium from molten potassium nitrate studied by the method of isoperiodic titration. V. K. Val'tsev, A. K. Kuprianova, A. A. Kamarzina. Izv. SO AN SSSR no. 7, Ser. khim. nauk 1:20-23 '63.

FUSED SALTS—ELECTRIC PROPERTIES

Solution of magnesium in melts containing chlorides of alkaline and alkaline earth metals. V. P. Kocherga, Z. A. Krasil'nikova. Zhur. neorg. khim. 8 no. 9:2033-2034 S '63.

FUSEL OIL

The likeliest sources of the formation of fusel oils and the conditions of alcohol fermentation. M. T. Dershkov, S. S. Rylkin, A. Iu. Zhvirblianskaia. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no. 9:15-22 '62.

Losses of fusel oil in the products of yeast separation. V. G. Artiukhov and others. Spirt. prom. 29 no. 3:37 '63.

FUSULINIDAE see subdivision under Soviet Central Asia

GABBRO see subdivision under Bazumskiy Range; Karelia

GAGARIN, IURII ALEKSEEVICH, 1934

Denisov, N. N. [In the orbits of peace and friendship, from the notebook of a reporter of "Pravda"] Na orbitakh mira i druzhby; iz zapisnoi knizhki korrespondenta "Pravdy." Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. X Seriia: Molodezhnaia, no. 17)

GAI, GAI DMITRIEVICH
Commander of the Zheleznaia. Voen. znan. 39 no. 9:22 S '63.

GALEGA AS FEED see subdivision under Georgia

GALICIA—ETHNOLOGICAL RESEARCH
Historiography of the ethnographic studies in the Boiko region. K. L. Matenko. Mat. z etn. ta mystetstvoznav. no. 7/8 136-151 '62.

GALLBLADDER—DISEASES
Diagnosis of gallbladder diseases in gastrectomized patients by the jejunal catheterization method [with summary in English] V. G. Iasnitskii. Vest. khir. 90 no. 3 64-71 Mr '63.
Diagnostic possibilities of pneumoperitoneum in the recognition of some diseases of the liver and gallbladder [with summary in English] E. F. Firsov. Vest. rent. i rad. 38 no. 1 47-51 Ja-F '63.
Surgical treatment of acute cholecystitis in elderly and senile patients. A. I. Usenko. Zdravookhranenie 6 no. 2 24-26 Mr-Ap '63.

GALLBLADDER—INNERVATION
Interoceptive effects from the gallbladder on venous pressure. M. I. Koinova. Izv. AN Kazakh. SSR. Ser. med. nauk no. 1:15-19 '63.

GALLBLADDER—RADIOGRAPHY
Form, dimensions, and topography of the gallbladder in a vertical position of the body [with summary in English] I. A. Vachnadze, E. I. Goncharenko, G. Dorzh. Vrach. delo no. 9, 96-99 S '63.

GALLBLADDER—SURGERY
Surgical treatment of acute cholecystitis in elderly and senile patients. A. I. Usenko. Zdravookhranenie 6 no. 2 24-26 Mr-Ap '63.

GALLIUM
Gallium balance in bauxites. V. N. Lavrenchuk, V. A. Teniakov. Dokl. AN SSSR 151 no. 6:1430-1432 Ag '63.
Use of gallium in determining the cross sections of coherent neutron scattering. IU. IA. Konakhovich, V. A. Somenkov. Kristallografiia 8 no. 5 785-787 S-O '63.

GALLIUM PHOSPHIDE
Lattice identity period and microhardness of solid solutions of indium and gallium phosphides. N. N. Sirota, V. V. Rozov. Dokl. AN BSSR 7 no. 7:446-448 Jl '63.
Solubility of gallium and indium phosphides in germanium. V. M. Glazov, G. L. Malkutina. Zhur. neorg. khim. 8 no. 10:2372-2375 O '63.

GALVANOMETER
Effect of galvanometer's mechanical inertia on the determination of the rate of regular cooling. V. N. Cherkasov. Sbor. st. LITMO no. 47:63-73 '59.

GAMBIA
The Federal Republic of Nigeria, Gambia, Malaysia. Agitator no. 20:56-57 O '63.

GAMES see subdivision under Kazakhstan

GAMMA GLOBULIN
Determination of the Gm (a) serum property in blood stains and some organs and fluids of the human body. O. S. Budiakov. Sud.-med. ekspert. 6 no. 3:38-42 Jl-S '63.
Effect of gamma globulin treatment on the clinical course of whooping cough and the indices of nonspecific immunity [with summary in English]. S. R. Iboian. Pediatriia 42 no. 1:22-26 Ja '63.

GAMMA-RAY SPECTROMETRY
Observing soil moisture by the gamma-spectroscopic method using the M-30 radiometric apparatus [with summary in English]. I. P. Grechin, V. A. Emel'ianov, V. E. Zinkevich. Izv. TSKHA no. 2 222-225 '63.

GAMMA RAYS
Effect of the shape of a shielding barrier on the attenuation of gamma rays from volume sources. D. P. Osanov. Atom. energ. 15 no. 4:331-332 O '63.
Oganesian, IU. TS., and others. [Gamma radiation of high-spin nuclei] γ-izluchenie iader s vysokim spinom. Dubna, 1962. 13 p. [With summary in English] [MICROFILM]
Mobile unit for determining the density and moisture of soil by the gamma and neutron methods. V. I. Kravchenko. Vest. sel'khoz. nauki [Kazakh.] 6 no. 8:76-83 Ag '63.
Resonance reflection of γ-rays from the surface of a crystal [with summary in English]. M. I. Podgoretskii. Zhur. eksp. i teor. fiz. 45 no. 3:780-782 S '63.
Studying γ-radiation from Cs^{140} [with summary in English]. E. A. Zherebin and others. Zhur. eksp. i teor. fiz. 45 no. 3:464-468 S '63.

GAMMA RAYS—INDUSTRIAL APPLICATIONS
Effect of radiation on leathers tanned by various methods. I. P. Strakhov, P. I. Levenko, I. G. Shifrin. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:93-99 '63.
Use of gamma-ray sources for flaw detection at the Csepel Metallurgical Works (Hungary). E. Fenyvesi, K. Shcherbak, K. Vara. Atom. energ. 15 no. 4:351-353 O '63.

GAMMA RAYS—EQUIPMENT AND SUPPLIES
Dosimetric characteristics of gammation-2. A. N. Krongauz, T. G. Pavlova, A. V. Frolova. Med. rad. no. 1 12-17 '63.
Dosimetric characteristics of the GUT-Co-400 apparatus. T. G. Pavlova. Med. rad. no. 1 18-21 '63.

GAMMA RAYS—SCATTERING
Calculation of the spectral-angular distribution of scattered gamma quanta from a Cs^{137} monodirectional point source in iron. L. R. Kimel', A. M. Panchenko, V. P. Terent'ev. Atom. energ. 15 no. 1:328-331 O '63.
Fast-slow scheme of coincidences with stabilization. D. K. Kaipov, A. F. Pavlov. Trudy Inst. fiz. AN Kazakh. SSR 6 79-89 '63.
Resonance scattering of γ-rays from liquid and solid sources by Sn^{118} and Cu^{65} nuclei [with summary in English]. D. K. Kaipov and others. Zhur. eksp. i teor. fiz. 45 no. 3:413-417 S '63.

GAMMA RAYS—THERAPEUTIC USE
Centering and estimating the focal dose in static telegammatherapy of esophageal cancer. K. I. Zholkiver. Zdrav. Kazakh. 23 no. 2:21-23 '63.

GANSHIN FAMILY
V. I. Lenin, published in 1894.... I. Lupalo. Smena 40 no. 14:6-7 Jl '63.

GARDENING
Working in the garden.... V. Zorin. Semlia i shkola 18 no. 5 43 My '63.

GARMENT CUTTING
Analyzing the methods of pattern making in series. O. S. Mirutenko, G. L. Trukhan. Izv. vys. ucheb. zav., tekh. leg. prom. no. 4 129-139 '63.
Method for controlling the expenditure of knit fabrics in cutting. I. V. Zagainov. Tekst. prom. 23 no. 9:65-67 S '63.

GARNET
Crystallization of magnetic garnets under hydrothermal conditions. P. V. Klevtsov. Izv. SO AN SSSR no. 7. Ser. khim. nauk no. 2:3-7 '63.

GAS, NATURAL see subdivision under Bashkiria, Shebolinka region

GAS, NATURAL—GEOLOGY see subdivision under Baikal Lake region, Fergana; Kara-Kalpak A. S. S. R., Moldavia; Stavropol Upland, Volgograd Province

GAS, NATURAL—PIPELINES
Andreev, G. S. [Firing-line method on main gas pipes] Vedenie ognevykh rabot na magistral'nom gazoprovode. Leningrad, Gostoptekhizdat, 1963. 110 p. (Biblioteka ekspluatatsionnika magistral'nogo gazoprovoda)
Effect of compressibility on the coefficient of hydrodynamic resistance and design equations for gas pipelines. E. A. Orudzhaliev. Izv. vys. ucheb. zav., neft' i gaz 4 no. 3:81-90 '61.
New gas pipelines. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 3:22 '61.

GAS, NATURAL—SEPARATION
Goroian, V. I. [Study of the processes of gas separation from petroleum, calculation of reserves and selection of oil-field equipment] Izuchenie protsessov razgazirovaniia nefti; dlia podscheta zapasov i vybora skhemy obustroistva promysla. Moskva, Gostoptekhizdat, 1963. 105 p.

GAS, NATURAL—TRANSPORTATION
Kabardin, G. A., and M. M. Zaitov. [Using a single pipe for gathering oil and gas] Odnotrubnyi sbor produktsii skvazhin. Moskva, Gostoptekhizdat, 1963. 83 p.

GAS AND OIL ENGINES see Internal combustion engines

GAS APPLIANCES see subdivision under Volgograd

GAS AS FUEL
Liando, I. M. [Burning of fuel mazut and gas in industrial boilers] Szhiganie topochnogo mazuta v promyshlennykh kotel'nykh. Moskva, Gosenergoizdat, 1963. 206 p.
Institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti. [Use of gas in industry] Ispol'zovanie gaza v promyshlennosti. Moskva, 1962. 109 p. (Seriia: nauchno-tekhnicheskii sbornik. Seriia: proizvodstvo, ispol'zovanie prirodnogo i gazov)

GAS BURNERS
Shur, I. A. [Conversion of boilers to gas fuel] Otoplitel'nykh kotlov na gazoobraznoe top... Gostoptekhizdat, 1963. 155 p. (Biblioteka gazovogo khoziaistva)
Ionin, A. A. [Fundamentals for the design of burners] Osnovy rascheta ezhektsionnykh gorelok. Moskva, Gostoptekhizdat, 196...
Hydraulic resistance of burner systems with air feed. R. B. Akhmedov. Energomashinostroenie no. 10:16-20 O '63.

Study of carburetion in a cylindrical model of a peripheral gas burner. V. N. Afrosimova, M. A. Poliatskin. Teploenergetika 10 no. 9 26-29 S '63.
Ginzburg, D. B., ed. [Uses of natural and liquefied gases] Ispol'zovanie prirodnogo i szhizhennogo gazov. Moskva, Gostoptekhizdat, 1963. 241 p.

GAS CHROMATOGRAPHY
Selecting a steady state for separation by means of gas-liquid chromatography of a mixture of oxygen compounds formed in the oxidation of propylene to propylene oxide. A. S. Vaabel', L. M. Kaliberda, R. I. Sidorov. Izv. SO AN SSSR no. 7. Ser. khim. nauk no. 2 86-92 '63.
Separate determining of the butyl esters of volatile acids by the gas-liquid chromatography method. IU. K. Shaposhnikov, K. P. Vedeneev, IU. V. Vodzinskii. Gidroliz. i lesokhim. prom. 16 no. 6 20-22 '63.

GAS CYLINDERS
Packing materials for shut-off valve inserts on oxygen cylinders. L. V. Gekker. Svar. proizv. no. 9:26-27 S '63.

GAS DETECTORS
Thermocatalytic principle as a basis in constructing methane detectors for an automatic system of protection from gas. E. P. Karpov. Mekh. i avtom. v gor. prom. no. 3 252-267 '63.

GAS DISTRIBUTION
Borodin, I. V. [Construction of gas networks and structures] Stroitel'stvo gazovykh setei i sooruzhenii. Izd. 2., perer. i dop. Moskva, Izd-vo M-va kommunal'nogo khoziaistva RSFSR, 1963. 258 p.
Pressure regulation in parallel operating blowers operating with a common gas pipeline. G. D. Med. Energomashinostroenie 9 no. 10:13-16 O '63.

GAS DYNAMICS
Chaplygin's approximate method. L. N. Sretenskii. Inzh. zhur. 3 no. 1:135-136 '63.
Invariant transformations of the equations of ideal gas flow for special cases. A. A. Nikol'skii. Inzh. zhur. 3 no. 1:140-142 '63.
One of the particular solutions of Chaplygin's equations [with summary in English]. G. S. Mavrodi. Vest. Mosk. un. Ser. 1 Mat., mekh. 18 no. 5:60-67 S-O '63.
Problem of the adiabatic expansion of a plane gas layer under arbitrary initial conditions. A. S. Fonarev. Inzh. zhur. 3 no. 1:18-26 '63.
Rarefied gas flow along a wall abruptly set in motion. IU. A. Koshmarov. Inzh. zhur. 3 no. 3:133-141 '63.
Some exact solutions of equations of a monatomic gas flow. A. I. Derzhavina, T. I. Chukanova. Inzh. zhur. 3 no. 3:529-535 '63.
Theory of waves moving in nonstationary media. L. A. Ostrovskii. Prikl. mat. i mekh. 27 no. 5:924-929 S-O '63.

GAS FLOW
Solution of Chaplygin's equation for transonic flows with a local supersonic zone ending in a direct shock wave. Ch. Dzhanybekov. Izv. vys. ucheb. zav.; mat. no. 4:56-60 '63.

GAS GANGRENE—PREVENTIVE INOCULATION
Protective vaccination in monkeys against gas gangrene caused by Clostridium perfringens under conditions of chronic irradiation. E. K. Dzhikidze, A. S. Aksenova. Zhur. mikrobiol., epid. i immun. 40 no. 1:132-137 '63.

GAS INDUSTRY
In the Central Committee of the trade union. N. K. Sedunov. Neftianik 8 no. 2:25 F '63.

GAS INDUSTRY—EQUIPMENT AND SUPPLIES
Egorov, V. I. [Working capital of the petroleum and the gas industries, and problems in the supply of materials and equipment] Oborotnye sredstva neftianoi i gazovoi promyshlennosti i voprosy material'no-tekhnicheskogo snabzhen...

GAS PRODUCER GASES (Continued)

K. Shkol'nikov, I. K., L. M. Maiskii, and B. M. Charnovodkii. [Fuel gas producers for gas-turbine units] Gazogeneratory dlia gazoturbinnykh ustanovok. Moskva, Mashgiz, 1963. 259 p.

Reconstruction of the fuel facilities of a gas-generator station. [by] I. I. Bazhenov, V. I. Korolenko, I. L. Stepanov, Mekh. i avtom. proizv. 17 no. 8:13-15 Ag '63.

GAS TURBINE DISCS—COOLING

Temperature conditions of the operation of gas-turbine rotor discs. [by] I. I. Kirillov, Zh. tekh. fiz. 33 no. 8:927-932 Ag '63.

GAS TURBINES
(see also subdivision under Germany, West)

Effect of the deformation of construction in gas-turbine rotor discs on their stress. L. A. Goncharevich, Izv. vys. ucheb. zav., mashinostr. no. 6:114-122 '63.

Some characteristics of the hydrodynamic processes in the flow part of a gas-turbine engine. A. V. Ivanov, Energomashinostroenie 10 no. 1:1-5 S '63.

Experimental investigation of the nozzle parameters of a turbine with partial admission. E. G. Karpenko, Energomashinostroenie 10 no. 1:43-45 O '63.

Gas turbine [Fuel gas producers for gas-turbine units] Gazogeneratory dlia gazoturbinnykh ustanovok. Moskva, Mashgiz, 1963. 259 p.

Effect of the gas temperature field before a turbine. V. I. Lysa. Izv. vys. ucheb. zav., energetika 6 no. 3:70-77 Mr '63.

Organization of the combustion process of a heavy fuel in the chambers of gas-turbine units. M. D. Fr[illegible] Trudy MEI no. 47:3-17 '63.

Regenerative heating combustion chamber combustion [illegible] gas-turbine systems. V. S. Stolyar, M. I. [illegible] Energomashinostroenie 9 no. 2:4-8 F '63.

[illegible] Thermal expansion in the flow part of gas turbines. M. A. P[illegible] and others. Energomashinostroenie 9 no. 3:25-30 Mr '63.

Experimental investigation in the determination of temperature fields in the components of steam and gas turbines. K. P. Shvets, V. I. Tarasov, V. A. Piterskaia, F. [illegible] Energetika no. 10:1-3 O '63.

"Gas turbine structures of steam and gas turbines" by V. M. Zeretsun, L. D. Freneel. Reviewed by M. N. Bushuev, Energomashinostroenie no. 10:48 O '63.

GAS TURBINES—FLUID DYNAMICS

Determining the optimum speeds of a two-way gas flow by [illegible] characteristics. V. M. Antuf'ev, F. F. Ginzburg. Trudy LPTITSBP no. 11:152-159 '62.

GAS WELDING AND CUTTING
(see also subdivision under Leningrad)

"A dangerous practice was..." K. Leontin, A. Melamed. Sovet Profsoiuzov 30 no. 5:6-11 My '63.

Defects of the zone affected by the oxygen cutting of 12KhMF steel alloy pipes. A. G. Ryss, Metallov. ed. i term. obr. met. no. 10:42-44 O '63.

Welding carbon steel using a propane-butane mixture. S. A. Narskii, L. B. Vydrin. Svar. proizv. no. 9:34-35 S '63.

Welding truck parts with natural gas. V. N. Averianov., Mekh. stroi. no. 4:20-21 Ap '63.

GAS WELLS

Institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti [Some problems in the development and operation of gas and gas-condensate fields] Nekotorye voprosy razrabotki i ekspluatatsii gazovykh i gazokondensatnykh mestorozhdenii. Moskva, 1962. 91 p. (Tematicheskii nauchno-issledovatel'skii sbornik. Seriia Gazobenzinovoe proizvodstvo, ispol'zovanie prirodnogo i szhizhennogo gazov)

GASES
Concentration of argon crystal hydrate with silane and methane crystal hydrates. E. K. Gerling, T. V. Kol'tsova. Radiokhimiia 3 no. 3:277-283 '63.

GASES—ANALYSIS
Methods for the attestation of check gas mixtures. I. M. Malkova and others. Izm. tekh. no. 5:54-57 My '63.

Using specified methods for determining certain components of gas samples. S. G. Boganov. Izv. vys. ucheb. zav., tsvetn. metallurgiia no. 6:110-113 '63.

GASES—ELASTIC PROPERTIES
Calculating the elasticity curve for a real gas from data on two reference substances [with summary in English]. Iu. A. Borisov, V. I. Sudashev. Inzh.-fiz. zhur. 6 no. 8:88-91 Ag '63.

GASES—PURIFICATION
Cooling and purification of blast furnace gas in a packingless scrubber. P. I. Vernigor. Stal' 23 no. 6:570-571 Je '63.

A new book on the purification of gases. D. D. Zykov. Koks i khim. no. 8:62 '62.

Purification of exhaust gases from metallurgical plants by means of foam filters. A. V. Kochinashvili, IA. A. Sosnovskii. Stal' 23 no. 9:859-861 S '63.

Testing of an experimental system for high-speed gas purification apparatuses in the lime recovery shops of the Segezha Central Paper Combine. V. F. Maksimov, V. N. Boshnevich, A. I. Tolf. Trudy LTITSBP no. 11:88-93 '62.

GASES—SEPARATION
Possibility for the use of plate-type finned heat exchangers in air-fractionating apparatus. IU. V. Petrovskii, V. P. Fastovskii, L. I. Roizen. Khim. mashinostr. no. 5:8-12 S-O '63.

GASES—THERMAL PROPERTIES
Calculation of the heat capacity of chemically reacting mixtures of real gases. V. V. Altman. Teploenergetika 10 no. 9:93 S '63.

GASES—THERMODYNAMIC PROPERTIES
Thermodynamic functions of gases at high temperatures. R. M. Sevast'ianov. Inzh. zhur. 3 no. 3:523-529 '63.

GASES, INTERSTELLAR
Density of dust and gas in the direction l = 52°, b = 0 (constellation Cygnus) [with summary in English]. L. P. Metik. Izv. Krym. astrofiz. observ. 29:315-317 '63.

GASES, KINETIC THEORY OF
Determination of the correlative functions of dense gases and liquids. Part 1: A system of rigid globules [with summary in English]. G. A. Martynov. Zhur. eksp. i teor. fiz. 45 no. 3:656-663 S '63.

GASES IN METALS
The gas content of anodic copper. V. I. Zlazev, I. N. Tanutrov. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no. 2:54-58 Mr-Ap '63.

Gases in cast metals. L. I. Levi, A. A. Gel'man, T. M. Vlasova. Lit. proizv. no. 8:43-47 Ag '63.

GASES IN ROCKS
(see also subdivision under Kola Peninsula)
Isolation of oil-reservoir rocks in carbonate sediments based on the materials of geophysical study of wells. A. V. Afrikian, E. P. Iarkina. Trudy VNIING no. 1:179-190 '62.

GASES IN THE BLOOD see Blood, Gases in

GASOLINE—ANALYSIS
Adsorption-cryoscopic method for determining the content of normal paraffinic hydrocarbons in gasolines and kerosines. T. T. Adylova, N. D. Riabova. Uzb. khim. zhur. 7 no. 3:68-73 '63.

GASOLINE—ANTIKNOCK AND ANTIKNOCK MIXTURES
Detonation stability of gasolines from catalytic reforming. N. G. Maslianskii and others. Khim. i tekh. topl. i masel 8 no. 2:49-52 F '63.

GASTRIC FISTULA see Fistula, Gastric

GASTROENTERITIS see subdivision under Novoazovskoye District; Ukraine

GASTROINTESTINAL MOTILITY
Adaptability of the motor function of the small intestine following gastric resection [with summary in English]. I. L. Tager, M. B. Sneideris. Vest. rent. i rad. 38 no. 1:20-24 Ja-F '63.

Effect of experimental ligation of the main arteries of the stomach on its motor and secretory functions. R. A. Bazilian. Zhur. eksp. i klin. med. 3 no. 2:33-39 '63.

Roentgenological picture of intestinal motility in patients following extensive resection of the small intestine [with summary in English]. P. D. Tarnopol'skaia. Vest. rent. i rad. 38 no. 1:24-30 Ja-F '63.

GASTROPODA see subdivision under Armenia

GAUGES
Thread gauges for metric thread. IA. I. Margulis. Standartizatsiia 27 no. 9:14 S '63.

GAZLI REGION—WATER, UNDERGROUND
New data on the hydrogeological conditions of Gazli structures. T. N. Avazov. Uzb. geol. zhur. 7 no. 4:26-33 '63.

GEAR CUTTING
Characteristics of elliptoid shaving. I. A. Kopt. Stan. i instr. 34 no. 8:22-24 Ag '63.

Cutting straight bevel gears with elliptoid teeth. E. G. Rostiker, V. I. Korotkin. Stan. i instr. 34 no. 8:14-17 Ag '63.

Undercutting gear teeth with rack-shaped cutters. IA. S. Davydov. Izv. vys. ucheb. zav.; mashinostr. no. 6:5-15 '63.

GEAR-CUTTING MACHINES
Devices for cutting gear racks in repair shops. IU. S. Borisov, V. P. Sakharov. Mashinostroitel' no. 9:13-15 S '63.

Soloviev, N. P. and IU. R. Vitenberg. [Gear-cutting machines and tools used in the instrument industry] Zuboobrabatyvaiushchie stanki i instrumenty v [illegible] stroenii. Moskva, Mashgiz, 1963. 306 p.

Geometrical precision of bevel-gear cutting. N. F. Khlebalin, A. L. Demin. Stan. i instr. 34 no. 8:17-21 Ag '63.

GEAR SHAPING MACHINES
Cutting bevel gears by means of a generating [illegible] with spherical tooth surfaces. V. M. [illegible] instr. 34 no. 8:17-21 Ag '63.

GEARING
Automatic design of planetary transmissions. M. [illegible] nevskii, IA. IU. Shats. Mekh. i avtom. proiz. [illegible] 27-29 S '63.

Graphic calculation of the transmission ratio of [illegible] roller chains. V. A. Alekseev. Khleb. i kon. [illegible] 7 no. 8:29-31 Je '63.

Multipurpose planetary reducing gears. I. V. [illegible] Gradev. Vest. mashinostr. 43 no. 9:14-16 [illegible]

Planetary gear with a planetary pinion. [illegible] Nauch. trudy Mosk. inst. radiotekh. i gor. [illegible] no. 41:138-144 '62.

GEARING—TESTING
Difference method for checking kinematic errors of wheels. B. IA. Verkhotsov. Izv. vys. ucheb. zav., tekh. [illegible] Ag '63.

GEARING, BEVEL
Involute gear transmission composed of bevel-type wheels having arbitrary axis positions. V. L. [illegible] Izv. vys. ucheb. zav., mashinostr. no. 6:48-[illegible]

GELATIN
Extraction of manganese dioxide from its hydrosol by means of gelatin foam [with summary in English]. L. A. Pushkarev, L. A. Budenkov. Kolloid. zhur. [illegible] 582 S-O '63.

GELATION
Rate of gel formation in unsaturated polyesters at high temperatures. L. N. Sedov, P. Z. [illegible] no. 10:11-16 '63.

GENERATIVE ORGANS—ABNORMITIES AND DEFORMITIES
Selection of technique in the surgical treatment of developmental defects of the genitalia in children. [with summary in English]. S. IA. Dolotovskii, V. A. [illegible] Vest. khir. 90 no. 3:88-98 Mr '63.

GENERATIVE ORGANS—SURGERY
Selection of technique in the surgical treatment of developmental defects of the genitalia in children. [with summary in English]. S. IA. Dolotovskii, V. A. [illegible] Vest. khir. 90 no. 3:88-98 Mr '63.

GENERATIVE ORGANS, FEMALE
On the effect of vitamin D2 on the human [illegible] [with summary in English]. L. I. Gokina. [illegible] gin. no. 2:18-20 '63.

Radiation injury of female sex organs. V. IA. [illegible] Usp. sovr. biol. 56 no. 1:117-139 Jl-Ag '63.

GENERATIVE ORGANS, FEMALE—DISEASES
Hypertrophic noncondylomatitis of the genitalia. [illegible] kina. Vest. derm. i ven. 37 no. 1:37-39 Ja '63.

Use of tissue therapy in diseases of the female [illegible] under conditions of a women's health center. [illegible] Lisitsa, G. V. Bartto. Akush. i gin. no. 2:116 [illegible]

GENERATIVE ORGANS, FEMALE—TUMORS
Colpostats from polyethylene for radiomanipulation oncogynecology. M. T. Timoshenko. Med. [illegible] 86-86 '63.

GENERATIVE ORGANS, MALE—DISEASES
Contact allergic dermatitis in men caused by the use of contraceptives. I. F. Andreichuk. Vest. derm. [illegible] 37 no. 1:81-82 Ja '63.

GENERATORS, ELECTRIC see Electric generators

GENETIC RESEARCH
Simpozium po probleme nasledstvennosti i izmen[illegible] mikroorganizmov. Moscow, 1962. [Genetics of microorganisms] Genetika mikroorganizmov. Trudy [illegible] red. V. D. Timakova. Moskva, Medgiz, 1963. 32[illegible]

GENETICS
Maiskii, I. N. [Experimental genetics and medicine] Eksperimental'naia genetika i meditsina. Moskva, I-vo "Znanie," 1963. 30 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no. 12)

Genetic units in micro-organisms. A. A. Prozorov. [illegible] MOIP, Otd. biol. 68 no. 5:92-102 S-O '63.

GENITOURINARY ORGANS—DISEASES
Nongonorrheal diseases of urogenital organs and the tasks of dermatovenereologists. I. M. Porudominskii. Vest. derm. i ven. 37 no. 1:3-9 Ja '63.

GENOA ECONOMIC AND FINANCIAL CONFERENCE, 1922

The 1922 Genoa Conference. N. Liubimov, A. Erlikh. Mezhdunar. zhizn' 10 no. 10:100-108 O '63.

GENRE PAINTING

Nemirovskaia, M. A. [Theme of our times in Soviet genre painting] Tema sovremennosti v sovetskoi zhanrovoi kartine. Moskva, Izd-vo Akad. khudozh. SSSR, 1963. 53 p. (Biblioteka po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodeiatel'nosti i shkol'nykh bibliotek)

GENTER, GERMAN GENKIKHOVICH, 1891-1937

G. G. Genter on the 25th anniversary of his death. Akush. i gin., no. 2:143-141 '63.

GEOCHEMISTRY

Chemical reactions of the earth's crust [with summary in English]. V. V. Shcherbina. Min. sbor., no. 16:68-71 '62.

Geochemical characteristics of a carbonatite formation process. L. K. Pozharitskaia. Geol. mest. red. elem., no. 17:117-125 '62.

Akademiia nauk SSSR, Institut geologii i razrabotki goryuchikh iskopaemykh. [Geochemistry and hydrochemistry of oil fields] Geokhimiia i gidrokhimiia neftianykh mestorozhdenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 150 p.

Geograficheskoe obshchestvo SSSR. [Materials on the Academic session devoted to the 100th anniversary of Academician V. I. Vernadskii's birth] Materialy k Nauchnoi sessii, posviashchennoi 100-letiiu so dnia rozhdeniia akademika V. I. Vernadskogo, soderzhanie dokladov. Leningrad, 1963. 59 p.

New in geology. B. Havrusevych. Nauka i zhyttia 13 no. 7:38-40 Jl '63.

GEODES

Crystallization of quartz in chalcedony geodes [with summary in English]. D. P. Grigor'ev, T. A. Kartakina. Min. sbor., no. 16:106-112 '62.

GEODESY

Slobodchikov, D. A., ed. [Geodesy] Geodeziia. [By] A. I. Bulanov i dr. Moskva, Izd-vo Geodezicheskoi lit-ry.
Pt. 1. 1962. 315 p.
[MICROFILM]

GEODESY—ABSTRACTS

[Geodesy] Ref. zhur., Geod., no. 11 N '63.

GEODESY—CONGRESSES

Vsesoiuznoe Astronomo-Geodezicheskoe Obshchestvo. S"ezd. Kiev, 1960. [Resolutions of the Congress of the All-Union Astronomical and Geodetical Society] Rezolutsii. Moscow, 1960. 15 p.
(DN-Ob)

GEOGRAPHY

(see also subdivision under Germany, East; Germany, West; Kamchatka)

Moscow. Universitet. [Soviet geography during the period of the building of communism] Sovetskaia geografiia v period stroitel'stva kommunizma. Moskva, Geografgiz, 1963. 486 p.

GEOGRAPHY—AUDIO-VISUAL AIDS

For geography teachers. V. Zamkovyi. Rad. shk. 19 no. 9:101-102 S '63.

GEOGRAPHY—STUDY AND TEACHING

Teaching geography in the secondary school. V. T. Znichkov and others. Izv. AN SSSR, Ser. geog., no. 5:110-118 S-O '63.

GEOGRAPHY—TERMINOLOGY see subdivision under Kazakhstan

GEOGRAPHY, ECONOMIC

(see also subdivision 'Economic geography' under Alaska, Alma-Ata; Canada, Cherepovets District, Crimea; Mogilev; Siberia, Eastern; Tselinograd Province)

I. A. Vitver's new work. K. M. Popov. Izv. AN SSSR, Ser. geog., no. 5:135-137 S-O '63.

GEOGRAPHY, HISTORICAL—MAPS

Russia (1923- U.S.S.R.) Glavnoe upravlenie geodezii i kartografii. [Atlas of modern history for the ninth grade of secondary schools] Atlas novoi istorii dlia deviatogo klassa srednei shkoly. [Moskva]
Pts. 1-2. [1962]. maps.

GEOGRAPHY, POLITICAL

I. A. Vitver's new work. K. M. Popov. Izv. AN SSSR, Ser. geog., no. 5:135-137 S-O '63.

GEOLOGICAL MODELING

Effect, based on studies performed on models made of equivalent materials, of stoping operations on the occurrence of rock pressure in mining flat seams by means of longwalls and chambers with timbering. N. V. Tikhonova. Shor. DonUGI no. 29:173-186 '63.

Modeling block folds of the Kara-Tau Range (southern Kazakhstan). O. S. Grum-Grzhimailo. Trudy MGRI 39:22-27 '63.

New type of models of porous strata for neutron logging. N. K. Kukhtarenko and others. Atom. energ. 15 no. 1:338-339 O '63.

Using the modeling method to study the effect of external loads on the stability of the sides of benches. Chzhu Zhai-gen [Chu Jui-keng]. Nauch. soob. IGD 20:17-23 '63.

GEOLOGICAL RESEARCH

Irkutsk, Universitet. [Collection of brief scientific reports of the Faculty of Geology, supplement to the report on research work for 1961] Sbornik kratkikh nauchnykh soobshchenii geologicheskogo fakul'teta, prilozhenie k otchetu o nauchno-issledovatel'skoi rabote za 1961 god. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1962. 78 p.

GEOLOGICAL SURVEYS

(see also subdivision under Yakutia)

New in geology. B. Havrusevych. Nauka i zhyttia 13 no. 7:38-40 Jl '63.

GEOLOGICAL TIME see subdivision under Altai Mountain region; Altai Mountains, Salair Ridge, Salair Ridge region; Sayan Mountain region, Yakutia

GEOLOGY

(see also subdivision under Arctic regions; Asia; Baikal Lake region, India, Siberia, Tomsk region, Turkmenistan, Ukraine, Vilyuchinskiy Volcano)

Mathematical geology [with summary in English]. A. B. Vistelius. Geol. i geofiz., no. 7:3-16 '63.

New prospects. Izv. AN SSSR, Ser. geol. 28 no. 8:3-5 S '63.

Position of geology among other sciences and principal problems of modern geology. Iu. A. Kosygin. Geol. i geofiz., no. 8:3-12 '63.

GEOLOGY—ABSTRACTS

[Geology] Ref. zhur.: Geol., no. 10 O '63.

GEOLOGY—BIBLIOGRAPHY see Bibliography—Geology

GEOLOGY—MAPS

Methods for plotting metallogenic maps by means of composition diagrams. S. A. Bektashi. Za tekh. prog. 3 no. 3:27-30 Mr '63.

Use of scale nomograms in preparing graphs. T. Ch. Cholpankulov. Razved. i okh. nedr 29 no. 9:52-53 S '63.

GEOLOGY, ECONOMIC see subdivision under Kazakhstan West Siberian Plain

GEOLOGY, STRATIGRAPHIC

(see also subdivision under Altai Mountain region, Altai Mountains, Batenevskiy Range; Bol'shaya Yerba Valley, Carpathian Mountains; Caspian Lowland, Gornaya Shoriya, Kola Peninsula; Krasnovodsk Peninsula, Krasnoyarsk Territory; Kur Valley; Kuznetsk Alatau, Kuznetsk Basin, Lena Valley, Polotsk region; Pripet Valley; Salair Ridge; Sayan Mountain region; Sayan Mountains, Saylyugem Range, Siberian Platform, Soviet Central Asia; Syr Darya Valley, Urmi Valley, Volgograd Province; West Siberian Plain)

Determination of the age of oceanic deposits by the ionium-protactinium method. I. I. Starik, A. N. Dilizarova, Iu. V. Kuznetsov. Radiokhimiia 5 no. 2:154-157 '63.

New stage between the Silurian and Devonian [with summary in English]. O. I. Nikiforova, A. M. Obut. Geol. i geofiz., no. 7:75-79 '63.

Mezhvedomstvennyi stratigraficheskii komitet. [Problems and rules for the study and description of stratotypes and key stratigraphic cross sections] Zadachi i pravila izucheniia i opisaniia stratotipov i opornykh stratigraficheskikh razrezov. Moskva, Gosgeoltekhizdat, 1963. 26 p.

Rhaetian stage [with summary in English]. A. S. Dagis. Geol. i geofiz., no. 8:13-25 '63.

Stage divisions of Paleogene sediments in the U. S. S. R. G. P. Leonov. Vest. Mosk. un. Ser. 4 Geol. 18 no. 4:34-35 Jl-Ag '63.

Using geological observations in determining physicomechanical properties of rocks. P. V. Vasil'ev. Nauch. soob. IGD 20:67-71 '63.

GEOLOGY, STRUCTURAL

(see also subdivision under Aldan Plateau; Asia; Baikal Lake region; Black Sea region; Caucasus; Caucasus, Northern; Dnieper-Donets Lowland; Far East; Gissar Range; Karaganda Basin; Karatau; Kuznetsk Basin; Manych Valley; Orenburg Province; Sayan Mountains; Siberia; Transbaikalia; Uzbekistan; White Russia; Zeya-Bureya Plain)

Concerning I. V. Koreshkov's book "Areas of arch uplift and characteristics of their development." Geol. i geofiz., no. 7:80-81 '63.

Hypotheses and generalizations in tectonics. P. E. Offman. Och. po ist. geol. znan., no. 12:144-196 '63.

GEOLOGY, STRUCTURAL—MAPS

Maps of seams and their use in tectonic zoning of platform areas. V. A. Dolitskii, E. V. Kucheruk. Izv. AN SSSR Ser. geol. 28 no. 9:61-69 S '63.

GEOMETRY

L. Euler's textbook on elementary geometry. Iu. A. Belyi. Ist.-mat. issl., no. 14:237-284 '61.

GEOMETRY—EARLY WORKS TO 1800

Comments by Nasir al-Din Al-Tusi on Euclid's "Elements" in vol. I-III of "Takhrir Eglidis" [in Azerbaijani with summary in English]. K. M. Mamedov (Khalilamli). Trudy Inst. mat. i mekh. AN Azerb. SSR 2:147-158 '63.

GEOMETRY, ANALYTIC

Bakhvalov, S. V., L. I. Babushkin, and V. P. Ivanitskaia. [Analytic geometry] Analiticheskaia geometriia, uchebnik dlia pedagogicheskikh institutov. Pod red. S. V. Bakhvalova. Izd. 2., perer. Moskva, Uchpedgiz, 1962. 367 p.

GEOMETRY, DESCRIPTIVE

Fainshtein, D. L. [Use of geometric loci in solving problems in descriptive geometry] Primenenie geometricheskikh mest v resheniiakh zadach nachertatel'noi geometrii, uchebnoe posobie po kursu "Nachertatel'naia geometriia." Leningrad, Leningr. politekhn. in-t im. M. I. Kalinina, 1962. 37 p.

GEOMETRY, DESCRIPTIVE—PROBLEMS, EXERCISES, ETC

Grushinskaia, N. K. [Textbook for solving problems in descriptive geometry] Posobie k resheniiu zadach po nachertatel'noi geometrii. [Kiev] Izd-vo Kievskogo univ., 1963. 62 p.

GEOMETRY, DIFFERENTIAL

Families of spheres with indeterminate metrics in a conformal space. L. N. Krivonosov. Uch. zap. GGPI no. 11:20-62 '62.

A family of hyperspheres of zero relative curvature. V. I. Vedernikov. Uch. zap. GGPI no. 41:12-19 '62.

Theory of curved Euclidean V_n spaces. V. I. Vedernikov. Uch. zap. GGPI no. 41:3-6 '62.

Theory of families of circles in a conformal M_n space. L. N. Krivonosov. Uch. zap. GGPI no. 11:63-66 '62.

GEOMETRY, DIFFERENTIAL—PROBLEMS, EXERCISES, ETC

Cusak, A. A., and others. [Problems in differential geometry] Sbornik zadach po differentsial'noi geometrii. Pod obshchei red. L. K. Tutaeva. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 106 p.

GEOMETRY, DIFFERENTIAL—PROJECTIVE

Theory of curves and surfaces in affine and projective spaces. A. S. Udalov. Izv. vys. ucheb. zav., mat., no. 4:150-164 '63.

GEOMETRY, NON-EUCLIDEAN

Smorodinskii, IA. A. [Kinematics and Lobachevskii geometry] Kinematika i geometriia Lobachevskogo. [Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1962] 21 p. 21 p. [With summary in English]
[MICROFILM]

Projective metrization and complex numbers. N. D. Petsko. Dokl. AN Arm. SSR 36 no. 3:137-140 '63.

GEOMETRY, PLANE

Circles on affine planes with Euclidean orthogonality. V. P. Zarovnyi. Mat. sbor. 62 no. 1:14-30 S '63.

Gulisashvili, A. A. [Point, straight line, plane] Tochka, priamaia, ploskost'. Tbilisi, Izd-vo Gruzinskogo politekhn. in-ta, 1959. 119 p.
[MICROFILM]

GEOMETRY, PROJECTIVE

Some problems affecting the uniformity and expansion of space in connection with Hilbert's axiom. Part 2. G. N. Perlatov. Izv. vys. ucheb. zav., mat., no. 4:140-149 '63.

GEOMORPHOLOGY see subdivision under Kazakhstan; Manych Valley; Syr Darya Valley; Ukraine; Volga Valley

GEOMORPHOLOGY—CONGRESSES

The third Plenum of the Joint Geomorphological Commission of the Academy of Sciences of the U. S. S. R. D. A. Lilienberg. Izv. AN SSSR, Ser. geog., no. 5:93-97 S-O '63.

GEOMORPHOLOGY—MAPS see subdivision under Dnieper Valley

GEOPHYSICS

(see also subdivision under Bulgaria)

Alekhin, IU. M. [Statistical forecasts in geophysics; dynamic and statistical method for the forecast of geophysical macroprocesses] Statisticheskie prognozy v geofizike; dinamiko-statisticheskii metod prognoza geofizicheskikh makroprotsessov. [Leningrad] Izd-vo Leningr. univ., 1963. 84 p.

GEORGIA—AGRICULTURE

[illegible] '63

GEORGIA—BAKERIES—EQUIPMENT AND SUPPLIES

[illegible] Georgian bread varieties. [illegible] Pishch. prom. 7 no. 6 20-21 Je '63

GEORGIA—BRIDGES

[illegible] '63

GEORGIA—BUFFALOES AS CARRIERS OF DISEASE

[illegible] '63

GEORGIA—CATTLE—DISEASES AND PESTS

[illegible] Trudy Inst. 32 [illegible] '63

[illegible] Tbilisi [illegible] '63

GEORGIA—CHEESE—TRANSPORTATION

[illegible] Sbor. trud. Gruz. zootekh.-vet. nauch.-issl. inst. 32 209-213 '63

GEORGIA—CITRUS FRUITS—DISEASES AND PESTS

[illegible] Sb. Gegechkori, Zasash. rastenii. Tbilisi, 8 no. Sep '63.

GEORGIA—DEFICIENCY DISEASES IN DOMESTIC ANIMALS

[illegible] Trudy Gruz. zootekh.-vet. nauch.-issl. inst. 32 [illegible] '63

GEORGIA—ECONOMIC CONDITIONS

[illegible] Georgia. Okhr. truda i sots. strakh. 6 no. 9 3-4 S '63

GEORGIA—ETHNOLOGICAL RESEARCH

[illegible] Mat. po etn. Gruz. no. 12/13 175-177 '63

GEORGIA—ETHNOLOGY—BIBLIOGRAPHY

Bibliograph. of G. S. Chitaia's published works. Mat. po etn. Gruz. no. 12/13 17-36 '63.

GEORGIA—FARM BUILDINGS

[illegible] Dzh. A. Rukhadze. Mat. po etn. Gruz. no. 12/13 99-110 '63.

GEORGIA—FEEDS

[illegible] Trudy Gruz. zootekh.-vet. nauch.-issl. inst. 32 3-14 '61.

GEORGIA—FOREST MANAGEMENT

Make use of the forests of Georgia wisely. K. M. Imnadze. Les. prom. 41 no. 7:28 Jl '63.

Selective and gradual cuttings in Georgia. V. Z. Gulisashvili. Les. khoz. 16 no. 7:20-24 Jl '63.

GEORGIA—FURNITURE INDUSTRY

Enlargement and specialization of furniture manufacturing enterprises in Georgia. G. G. Papiev. Der. prom. 12 no. 9 18-19 S '63.

GEORGIA—GALEGA AS FEED

Effect of Galega orientalis on the process of lactation. A. D. Pantskhava, G. V. Chkheidze, [illegible] Z. Barnabishvili. Sbor. trud. Gruz. zootekh.-vet. nauch.-issl. inst. 32:77-84 '61.

GEORGIA—GLACIERS

Glacial water supply of the Georgian rivers. L. A. Vladimirov. Izv. AN SSSR. Ser. geog. no. 5, 60-64 S-O '63.

GEORGIA—GUILDS

Correspondence between G. Akhverdian and G. Shirmazanian on Georgian and Persian guilds [in Armenian with summary in Russian]. A. G. Ioannisian. Ist.-filol. zhur. no. 2:187-216 '63.

GEORGIA—HAND WEAVING

Georgian-Adyge ethnographic parallels in *folk weaving* [in Georgian with summary in Russian]. G. A. Chachashvili. Mat. po etn. Gruz. no. 12/13 361-380 '63.

GEORGIA—INDUSTRIAL HYGIENE

Man is at the center of attention. V. Gegeberidze. Okhr. truda i sots. strakh. 6 no. 9, 4-6 S '63.

GEORGIA—MEAT INSPECTION

Defecting the meat of sick and dead animals at meat inspection stations. P. S. Burtikashvili, A. G. Makharadze, F. S. Useinashvili. Sbor. trud. Gruz. zootekh.-vet. nauch.-issl. inst. 32:121-127 '61.

Determining the freshness of secondary meat products and their sanitary evaluation. P. S. Burtikashvili, A. G. Makharadze, F. S. Useinashvili. *Sbor. trud. Gruz. zootekh.-vet. nauch.-issl. inst.* 32:129-136 '61.

GEORGIA—MOTION PICTURES, DOCUMENTARY

A blueprint and its embodiment. S. Dzobashenko. Isk. kino 33 no. 8 91-92 '63.

GEORGIA—PARATYPHOID FEVER

Buffaloes as carriers of paratyphoid bacteria. P. S. Burtikashvili. Sbor. trud. zootekh.-vet. nauch.-issl. inst. 32:115-120 '61.

GEORGIA—RELIGION, PRIMITIVE

"Ancient religious beliefs and ritualistic graphic art of Georgian tribes" by V. V. Bardavelidze. Reviewed by S. P. Tolstov. Mat. po etn. Gruz. no. 12/13 423-425 '63.

GEORGIA—RITES AND CEREMONIES

"Zedashe," the wine for ritual offering [in Georgian with summary in Russian]. N. S. Topuridze. Mat. po etn. Gruz. no. 12/13 157-173 '63.

GEORGIA—RUNOFF

Glacial water supply of the Georgian rivers. L. A. Vladimirov. Izv. AN SSSR. Ser. geog. no. 5:60-64 S-O '63.

GEORGIA—SECTS

What the facts reveal. E. Bartoshevich. Nauka i rel. 4 no. 5 71-73 My '63.

GEORGIA—SHEEP

Organizing efficient sheep farming on the Krtsanisskyi state farm. V. G. Kumsishvili and others. Sbor. trud. Gruz. zootekh.-vet. nauch.-issl. inst. 32:21-36 '61.

GEORGIA—SILK MANUFACTURE

Manufacture of silk fabrics in Georgia [in Georgian with summary in Russian]. N. N. Abesadze. Mat. po etn. Gruz. no. 12/13:85-98 '63.

GEORGIA—STORES, RETAIL

New shops in Georgia. I. Aizenshtein. Sov. torg. 36 no. 9 32-34 S '63.

GEORGIA—WINE AND WINE MAKING

Georgian winepresses [in Georgian with summary in Russian]. A. S. Lekishvili. Mat. po etn. Gruz. no. 12/13: 111-125 '63.

"Zedashe," the wine for ritual offering [in Georgian with summary in Russian]. N. S. Topuridze. Mat. po etn. Gruz. no. 12/13 157-173 '63.

GEORGIAN NEWSPAPERS

"The election campaign is over." Sov. deput. trud. S '63.

GEORGIYEVSK DISTRICT—AGRICULTURAL ADMINISTRATION

Lively, concrete guidance. I. Dlakonov. Part. zhizn. no. 18 54-56 S '63.

GERBILS AS CARRIERS OF DISEASE see subdivision under **Karshi District**

GERIATRICS

Effect of novocaine therapy on some indicators of detoxication processes in elderly and senile people. N. I. Strizhova-Salova. Vrach. delo no. 9:138-139 S '63.

Gynecological operations in elderly and senile women. T. A. Starostina. Akush. i gin. no. 2:38-44 '63.

Surgical treatment of acute cholecystitis *in elderly and* senile patients. A. I. Usenko. Zdravookhranenie 6 no. 2 24-26 Mr-Ap '63.

GERMAN DEMOCRATIC REPUBLIC see Germany, East

GERMAN FEDERAL REPUBLIC see Germany, West

GERMAN LANGUAGE

German language textbook for the ninth grade. N. I. Gez. Inostr. iaz. v shkole no. 4 48-53 Jl-Ag '63.

GERMAN LANGUAGE—AUDIO-VISUAL AIDS

Using songs in German language classes. A. E. Shiuts. Inostr. iaz. v shkole no. 4 105-108 Jl-Ag '63.

GERMAN LANGUAGE—GRAMMAR

Zavialova, V. M., and L. V. Kosareva. [Practical course in German] Prakticheskii kurs nemetskogo iazyka. Moskva, Izd-vo IMO, 1963. 319 p.

GERMAN LANGUAGE—*NOUN*

Palish, S. M., and L. I. Fromzel'. [Grammar of the German language; the noun] Grammatika *nemetskogo* iazyka, imia sushchestvitel'noe. Posobie dlia zaochnikov. [Leningrad] Izd-vo Leningr. univ., *1963*. *90* p.

GERMAN LANGUAGE—SPOKEN GERMAN

Topics for the development of oral speech. L. A. Pivovarova. Inostr. iaz. v shkole no. 4:88-95 Jl-Ag '63.

GERMAN LANGUAGE—STUDY AND TEACHING

By a common effort. A. Markova, M. Rogacheva. Inostr. iaz. v shkole no. 4 110-112 Jl-Ag '63.

Relation between the development of oral speech, reading and writing during the teaching of the German language in the fifth grade. L. M. Strodt. Inostr. iaz. v shkole no. 4 30-41 Jl-Ag '63.

GERMAN LANGUAGE—STYLE

Some means of expressing [illegible] German, based on E. M. Remarque's western front without change [illegible] no. 1:84-101 '63.

Stylistic possibilities of word order in the works of I. Lenchitskaia. [illegible] filol. no. 1:187-211 '63.

GERMAN LANGUAGE—SYNONYMS

Synonymic means of expression [illegible] S. A. Dubrovskaia. Vop. filol. [illegible]

GERMAN LANGUAGE—SYNTAX

Some means of expressing [illegible] German, based on E. M. Remarque's western front without change [illegible] no. 1:84-101 '63.

Synonymic means of expression, for S. A. Dubrovskaia. Vop. filol. [illegible]

Two syntactic structures in the [illegible] tales; based on the tales of [illegible] Pechenikova. Vop. filol. [illegible]

GERMAN LANGUAGE—WORD ORDER

Stylistic possibilities of word order in the works of I. Lenchitskaia. [illegible] filol. no. 1:187-211 '63.

GERMANIC ACIDS

Ionization constants of tripyrogallol-germanic acid [illegible] Nazarenko. Zhur. neorg. khim. [illegible] O '63.

GERMANIC LANGUAGES

Martynov, V. V. [Slavic-Germanic [illegible] earliest times; about the kind of [illegible] Slaviano-germanskoe leksicheskoe [illegible] drevneishei pory; k probleme [illegible] Izd-vo Akad. nauk BSSR, Minsk [illegible]

GERMANIUM

Correlation method of calculating [illegible] nium in coal. I. IA. Kirillovskii, [illegible] Razved. i okh. nedr. 30 no. 11:20-24 [illegible]

Electron energy distribution in field [illegible] manium films on tungsten. N. V. [illegible] Sokol'skaia. Fiz. tver. tela [illegible]

Interrelation of petrographic ingredients [illegible] in Siberian coals. S. N. Blokhina, [illegible] D. M. Larin. Izv. Sib. otd. AN [illegible]

Solubility of gallium and indium [illegible] V. M. Glazov, G. I. Maltinina. [illegible] no. 10:2372-2375 O '63.

GERMANIUM—METALLURGY

Recovery of germanium from coal [illegible] Gordon, A. N. Spokoin, V. I. [illegible] ekon. inform. Gos. nauch.-issl. [illegible] no. 9:83-88 '63.

GERMANIUM—PHOTOELECTRIC PROPERTIES

Impurity photoconductivity in germanium [illegible] *fast electrons.* R. III. Khatamov [illegible] no. 9:2704-2706 S '63.

GERMANIUM CHLORIDES

Solubility in the system $GeO_2 - H_2O$ [illegible] E. A. Kniazev. Zhur. neorg. khim. [illegible] O '63.

GERMANIUM COMPOUNDS

Instability constants of dipolyolgermanic [illegible] V. A. Nazarenko, G. V. Plamadeala. [illegible] 8 no. 10:2271-2275 O '63.

Instability constants of tripyrocatechol [illegible] tripyrogallol-germanic compounds. [illegible] V. A. Nazarenko. Zhur. neorg. khim. [illegible] 2204 O '63.

Nature of germanium compounds [illegible] gases during coal burning. I. A. Arbuzov. [illegible] SSSR no. 7. Ser. khim. nauk no. 2 [illegible]

GERMANIUM CRYSTALS—GROWTH

Mechanism underlying the formation [illegible] manium films in the iodide process. [illegible] tver. tela 5 no. 9:2500-2510 S '63.

GERMANIUM DIODES

Rectifying system using germanium [illegible] *oil-filled* switch drives. B. A. Glotsel [illegible] no. 9:16-17 S '63.

Results of the experimental study of [illegible] of narrow *germanium p-n junctions.* V. [illegible] diotekh. i elektron. 8 no. 10:1700-1702 [illegible]

GERMANIUM ORGANIC COMPOUNDS

Bis-(Triethylgermyl) mercury, the first [illegible] um compound of mercury. N. S. Vinogradova, E. N. Gladyshev. Dokl. AN SSSR [illegible] 1328 Ag '63.

GERMANIUM OXIDES

Solubility in the system $GeO_2 - H_2O$ [illegible] E. A. Kniazev. Zhur. neorg. khim. [illegible] O '63.

GERMANIUM SULFIDE

Germanium - sulfur system. Liu T Sun'-khua [Liu Ch'un-hua]. A. S. Pashinkin, A. V. Novoselova. Dokl. AN SSSR 151 no. 6,1335-1338 Ag '63.

GERMANY—COMMERCE—TURKEY

How clearing agreements helped fascist Germany to control the Turkish market. B. Bekiev. Izv. AN Turk SSR. Ser. obshchestv. nauk no 4 9-15 '63

GERMANY—FOREIGN ECONOMIC RELATIONS—FAR EAST

Penetration of German monopolies into China during the Sino-Japanese conflict in 1931-1933 [with summary in English, p. 222]. Renate Wuensche. Vop. ist. 38 no. 9:82-94 S '63.

GERMANY—HISTORY

New data on the colonialist plans of the German Empire in the Baltic Sea region in 1918. A. M. Filitov. Vop. ist. 38 no. 9:180-181 S '63.

"Studies on the recent history of Germany" by V. D. Kulibaki. Reviewed by I. M. Kulinych. Ukr. ist. zhur. 7 no. 4 152-153 Jl-Ag '63

GERMANY—MIDDLE AGES

Ethical and governmental development of medieval Germany, from the 6th to the 14th century. N. F. Kolesnitskii. Sred. vek. no. 23:183-197 '63.

GERMANY—MILITARY MANEUVERS

Varvařovský, Ludvík. [Maneuverability. Translated from the Czech] Manevrennost' Moskva, Voenizdat, 1963. 172 p.

GERMANY—PEACE TREATIES

Peaceful settlement or suicidal "deterrence?" P. Shaposhnichenko. Mezhdunar. zhizn' 10 no. 10:27-34 O '63.

GERMANY—PEACE TREATY

Bonn militarists are opponents of a peaceful settlement. F. Doblas, J. Koutek, M. Marvan. Mezhdunar. zhizn' 10 no. 9:69-77 S '63.

GERMANY—STRATEGY

Varvařovský, Ludvík. [Maneuverability. Translated from the Czech] Manevrennost' Moskva, Voenizdat, 1963. 172 p.

GERMANY—WAR CRIMES

Umanskii, D. A. [Trial which hasn't been held] Sud, kotoryi ne sostoialsia. Moskva, Gospolitizdat, 1963. 46 p. (Vot oni — beshennye)

GERMANY, EAST—BEANS—HARVESTING

Harvesting select kidney bean seed in the German Democratic Republic. Tekh. v sel'khoz. 23 no. 3:81-82 Mr '63.

GERMANY, EAST—CHEMISTRY, FORENSIC

Chemicolegal expertise in the German Democratic Republic. V. I. Lobanov. Sud.-med. ekspert 6 no. 1:42-44 Jl-S '63.

GERMANY, EAST—CIVIL LAW

Civil and economic law of the German Democratic Republic. G. Dornberger, M. Posh. Sov. gos. i pravo no. 10:147-149 O '59.

GERMANY, EAST—COMMERCIAL LAW

Civil and economic law of the German Democratic Republic. G. Dornberger, M. Posh. Sov. gos. i pravo no. 10:147-149 O '59.

GERMANY, EAST—DISTILLING INDUSTRIES

Over-all utilization of raw materials in the distilling industries of the German Democratic Republic. V. N. Rybachuk. Spirt. prom. 28 no. 6:34-37 '62.

GERMANY, EAST—ECONOMIC CONDITIONS

A balance sheet of peaceful work. Dieter Doering. Nov. vrem. 21 no. 40:4-5 O '63.

An example for all of Germany. D. Beneslavskii. Mezhdunar. zhizn' 10 no. 10:112-113 O '63.

GERMANY, EAST—FURNITURE

Furniture exhibition of the German Democratic Republic in Moscow. V. Sh. Fridman. Der. prom. 12 no. 9:28-29 S '63.

GERMANY, EAST—FOREIGN ECONOMIC RELATIONS—EUROPE, EASTERN

Economic cooperation of the German Democratic Republic with the countries of the socialist commonwealth. A. Telefus. Mezhdunar. zhizn' 10 no. 9:145-146 S '63.

GERMANY, EAST—FOREIGN RELATIONS—GERMANY, WEST

The seven points of the German Democratic Republic. A. Zholkver. Nov. vrem. 21 no. 37:6-8 S '63.

GERMANY, EAST—GEOGRAPHY

Development of economic and political geography in the German Democratic Republic and Western Germany. Heinz Ludeman. Izv. AN SSSR. Ser. geog. no. 5:119-126 S-O '63.

GERMANY, EAST—LAW—STUDY AND TEACHING

Efforts of the German Academy of the State and Law to combine the educational process with practical work. Gerhardt Schultze. Vest. Mosk un-ta. Ser. 10 Pravo 18 no. 3 69-72 Jl-S '63

GERMANY, EAST—MARITIME LAW

Investigation of marine accidents in Poland and the German Democratic Republic. A. IA. Vorokhobskii, A. L. Kolodkin. Inform. sbor. TSNIIMF no. 58, Mor. pravo i prak. no. 12:26-36 '61.

Scholarly research in the field of maritime law by a group of German lawyers in the Walter Ulbricht Academy of the State and Law. Inform. sbor. TSNIIMF no. 72 Mor. pravo i prak. no. 16 46-51 '62.

GERMANY, EAST—MEDICINE—PERIODICALS

Work of the journal "Die Heilberufe" ("Medical professions") in the German Democratic Republic. M. P. Shimes. Med. sestra 22 no. 8 62-63 Ag '63.

GERMANY, EAST—MEISSEN PORCELAIN

Under the sign of the crossed swords. Claire Weidel, Renate Urban. Zhen. mira no. 2:10-12 '63.

GERMANY, EAST—MOTION-PICTURE PLAYS

Art at the forefront. I. Vaisfel'd. Isk. kino 33 no. 6:129-136 '63.

GERMANY, EAST—POLITICS AND GOVERNMENT

Ten years of the German Democratic Republic. K. Polack. Sov. gos. i pravo no. 10 36-46 O '59.

GERMANY, EAST—SEED PRODUCTION

Harvesting select kidney bean seed in the German Democratic Republic. Tekh. v sel'khoz. 23 no. 3:81-82 Mr '63.

GERMANY, EAST—TELEVISION INDUSTRY

New developments in the television industry of the German Democratic Republic. Tekh. kino i telev. 7 no. 9 94-95 S '63.

GERMANY, EAST—TOWING

First pushed barge-train for river transportation in the German Democratic Republic. A. Soiuzov. Rech. transp. 22 no. 9:54-55 Ag '63.

GERMANY, EAST—WOMEN—EMPLOYMENT

Trip abroad. Tina Garsten. Vsem. prof. dvizh. no. 7/8: 19-20 Jl-Ag '63.

GERMANY, WEST—ARMY—POLITICAL ACTIVITY

Strengthening the ideological treatment of personnel in the Bundeswehr. L. Makarov, N. Golovanov. Voen. vest. 42 no. 11:114-117 N '62.

GERMANY, WEST—CHEMICAL RESEARCH

Evsin, A. D. [Organization of scientific research work in chemistry in the German Federal Republic] Organizatsiia nauchno-issledovatel'skikh rabot v oblasti khimii v FRG. Moskva, Vses. in-t nauchn. i tekhn. informatsii, 1963. 63 p.

GERMANY, WEST—CRIME AND CRIMINALS

The U. S. A. and the German Federal Republic are at the forefront. R. Utkin. Sov. iust. no. 17:23 S '63.

GERMANY, WEST—DEFENSES

Acceleration of military preparations. E. Novosel'tsev. Mezhdunar. zhizn' 10 no. 9:114-115 S '63.

GERMANY, WEST—DIESEL LOCOMOTIVES

Main line diesel locomotives of the Federal German Republic. Zhel. dor. transp. 45 no. 5:81 My '63.

GERMANY, WEST—ECONOMIC CONDITIONS

Khodov, L. G. [Economy of the German Federal Republic; general characteristics of its economic development after the Second World War] Ekonomika Federativnoi Respubliki Germanii; obshchaia kharakteristika khoziaistvennogo razvitiia posle Vtoroi Mirovoi voiny [Moskva] Izd-vo Mosk. univ. 1963. 88 p.

GERMANY, WEST—FOREIGN RELATIONS

A few words about a discussion in West German newspapers. I. S. Kromer. Vop. ist. 38 no. 9:182-183 S '63.

Peaceful settlement or suicidal "deterrence?" P. Shaposhnichenko. Mezhdunar. zhizn' 10 no. 10:27-34 O '63.

Risk for the sake of what? A. Andreev. Mezhdunar. zhizn' 10 no. 10:123-124 O '63.

GERMANY, WEST—FOREIGN RELATIONS—GERMANY, EAST

The seven points of the German Democratic Republic. A. Zholkver. Nov. vrem. 21 no. 37:6-8 S '63.

GERMANY, WEST—FORENSIC PSYCHIATRY

Existentialism in forensic psychiatry in Western Germany. D. R. Lunts. Sud.-med. ekspert. 6 no. 3:3-10 Jl-S '63

Press-forging equipment in West Germany. IU. S. Pochtar', Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:83-88 '63.

GERMANY, WEST—GAS TURBINES

Closed-cycle gas turbine systems in the German Federal Republic. A. S. Ivanenko. Energ. i elektrotekh. prom. no. 3 61-64 Jl-S '63

GERMANY, WEST—GEOGRAPHY

Development of economic and political geography in the German Democratic Republic and Western Germany. Heinz Ludeman. Izv. AN SSSR. Ser. geog. no. 5:119-126 S-O '63.

GERMANY, WEST—GLASS MANUFACTURE

Method of glass batch treatment. Stek. i ker. 20 no. 10-17 O '63.

Quality control of annealed glass. Stek. i ker. 20 no. 10 16 O '63.

GERMANY, WEST—HISTORIOGRAPHY

Postwar West German studies on the history of international relations. V. B. Ushakov. Vop. ist. 38 no. 9: 143-148 S '63.

Problems concerning the early history of medieval European cities in the interpretation of present-day bourgeois West German historiography. B. I. Ryskin. Sred. vek. no. 23 238-245 '63

GERMANY, WEST—INDUSTRIES—CLASSIFICATION

Grachev, N. G. [Classifications and indices of industrial structure] Klassifikatsii i pokazateli struktury promyshlennosti. Moskva, Izd-vo Akad. nauk SSSR, 1963. 121 p.

GERMANY, WEST—MILITARISM

Bonn militarists are opponents of a peaceful settlement. F. Doblas, J. Koutek, M. Marvan. Mezhdunar. zhizn' 10 no. 9:69-77 S '63.

Regional fraternities of West German students are the champions of revanchist and militarist ideas. A. IA. Shel'skii. Vop. ist. 38 no. 9:181-182 S '63.

GERMANY, WEST—MILITARY POLICY

Another attack of nuclear fever. I. Ermashev. Nov. vrem. 21 no. 40 6-8 O '63.

GERMANY, WEST—PLATE GLASS

Protective action of silicon films on glass surfaces. Stek. i ker. 20 no. 10 46-47 O '63.

GERMANY, WEST—POLITICS AND GOVERNMENT

Strauss appears again on the Bonn proscenium. D. Umanskii. Mezhdunar. zhizn' 10 no. 10 116-117 O '63.

GERMANY, WEST—PUBLISHERS AND PUBLISHING

The SS today. D. B. Mezhdunar. zhizn' 10 no. 10:145-146 O '63.

GERMANY, WEST—REFUGEES—POLITICAL ACTIVITIES

The revanchist refugee organizations in the German Federal Republic. D. Beneslavskii. Mezhdunar. zhizn' 10 no. 9 146-147 S '63.

GERMANY, WEST—SHAFT SINKING—EQUIPMENT AND SUPPLIES

Using bucket loaders in sinking. A. S. Belash, A. F. Kovalev, G. I. Linnik. Shakht. stroi. 7 no. 7:30 Jl '63.

GERMANY, WEST—STRIKES AND LOCKOUTS—METAL INDUSTRIES

More on the significance of the strike of the West German metalworkers. Joachim Hoffman. Vsem. prof. dvizh. no. 9 10-13 S '63.

GERMANY, WEST—STRIKES AND LOCKOUTS—METALWORKERS

There is no peace between "partners." E. Grigor'ev. Ogonek 41 no. 21:3 My '63.

GERMANY, WEST—STUDENTS' SOCIETIES

Regional fraternities of West German students are the champions of revanchist and militarist ideas. A. IA. Shel'skii. Vop. ist. 38 no. 9:181-182 S '63.

GERMANY, WEST—TRIALS (POLITICAL CRIMES AND OFFENSES)

Former prisoners of the fascists are in danger of imprisonment again. Madeleine Mallet. Zhen. mira no. 2: 7 '63.

GERMANY, WEST—WOMEN

The lot of women in the country of the "economic miracle." V. Lomeiko. Mol. komm. no. 6:106-109 Je '63.

GERMINATION

Biological characteristics of the germination of corn seeds. L. M. Sadykov. Trudy Azerb. nauch.-issl. inst. zem. 12:147-151 '62.

Germination of the seeds of Acanthophyllum gypsophiloides under field conditions. S. B. Bespaev. Trudy Alma-At. bot. sada 7:108-120 '63.

GIARDIA

Study of the division of Lamblia duodenalis in cultures [with summary in English]. M. M. Solov'ev. Med. parazit. i parazit. bol. 32 no. 1:96-101 Ja-F '63.

GIARDIASIS

Immunity of Lamblia in children of nursery age. N. A. Dekhkanbekova, Trudy TashNIIVS 5:179-188 '62

Problem of the identity of Lamblia in man and in rats. I. I. R[illegible], N. A. Dekhkanbekova, Trudy TashNIIVS 5:173-178 '62

GIBBERELLIN

[illegible] [Gibberellins for plants, instructions for use] (Gibberellovaia kislota, giberellin na kulturnykh rasteniiakh. Instruktsiia po primeneniiu) Moskva, Izd-vo Akad. nauk SSR, 1963. 15 p. (DSAI)

GIBBERELLIN—PHYSIOLOGICAL EFFECT

[illegible] Dokl. AN SSSR 151 no.4:879-881 Ap '63

GIGANTOPITHECUS

Morphological traits of the skeletal remains and teeth of Gigantopithecus in connection with his place in the order of Primates. Trudy Tsentr. Vop. geol. no.13:3-32 '63

GIRLS—RELIGIOUS LIFE

[illegible] Girls' Lenten card, ... under the skin. Gabo Bellonensis. Ogonek 41 no.41:14-15 O '63.

GISSAR DISTRICT—POLITICS AND GOVERNMENT

The Council of Ministers has discussed the work of the executive committee of a district Sov. deput. trud. no.8:3-9 '63

GISSAR RANGE—GEOLOGY, STRUCTURAL

Some results of studying the tectonics of the southwestern spurs of the Gissar Range (Guzar, Dekhanabad and Baysun areas). V. M. Tseisler. Trudy MGRI 39:11-18 '63

GISSAR RANGE REGION—CLAY—ANALYSIS

Mineralogical composition of clay minerals in Cretaceous sediments of Eydzhegatan and Aulat (southwestern spurs of the Gissar Range). I. S. Zindel', I. A. Kamaldinova. Dokl. geol. i geof. 7:147-150 '63.

GIZENGA, ANTONIE

Our [illegible] memories. Nov. rom. 21 no.40:1-3 O '63.

GIZHITSKII, ALEKSANDR MARIANOVICH, 1878-1956

Aleksandr Marianovich Gizhitskii, 1878-1956. G. A. Chistiakov. Biul. Inst. teor. astron. 9 no.3:216-218 '63.

GLACIAL EPOCH see subdivision under Armenia, East European Plain, Estonia, Europe

GLACIOLOGICAL RESEARCH see subdivision under Trans-Ili Alatau

GLACIERS see subdivision under Georgia

GLANDS, DUCTLESS see Endocrine glands

GLASS
(see also subdivision under Taman)

Light-deflecting glass for the illumination of industrial buildings. A. Motulis. Ikh. Arkhit. SSSR no.5:16-18 '63.

GLASS—DEFECTS

Black spots on glass. I. I. Popova. Stek. i ker. 20 no.10:34-35 O '63.

GLASS—ELASTIC PROPERTIES

Elastic properties and crystal formation in glasses. F. K. Keler, F. I. Kozlovskaia. Dokl. AN SSSR 151 no.6:1368-1370 Ag '63.

GLASS—ELECTRIC PROPERTIES

Electric conductivity of mixed alkali glasses of the system $Na_2O - K_2O - GeO_2$. A. O. Ivanov. Fiz. tver. tela 5 no.9:2647-2652 S '63

GLASS FURNACES—MAINTENANCE AND REPAIR

Patching local burns in the crown of a glass-melting tank furnace without operation stoppage. D. T. Mel'nichenko. Stek. i ker. 20 no.10:36-37 O '63.

GLASS MANUFACTURE
(see also subdivision under France, Germany, West, United States)

Increasing the mechanical strength and the heat-resistance of glass by means of ion exchange. O. K. Botvinkin, O. V. Denisenko. Stek. i ker. 20 no.10,1-3 O '63.

GLASS MANUFACTURE—CHEMISTRY

Chemical stability of glass in orthophosphoric acid. M. A. Matveev, E. E. Mazo, F. T. Kachur. Stek. i ker. 20 no.10:8-10 O '63.

GLASS MANUFACTURE—HYGIENIC ASPECTS

Make way for progress. E. Kotliarov. Okhr. truda i sots. strakh. 6 no.8:32 Ag '63.

GLASS PIPE see Pipe, Glass

GLASS REINFORCED PLASTICS

Bodies of chairs and armchairs from glass reinforced plastic materials. A. N. Orlov. Der. prom. 12 no.6:20-21 Je '63.

Combined setting of polyesters for the preparation of articles by the directed fiber preform process. E. G. Trostianskaia and others. Plast. massy no.6:13-15 '63.

Finish and ornamental materials from polyester glass reinforced plastic materials. A. N. Orlov. Der. prom. 12 no.4:21-22 Ap '63.

Formwork made of glass reinforced plastic. V. V. Kokhanov. Prom. stroi. 40 [i.e. 41] no.6:33-35 Je '63.

Investigating the impregnation processes in the manufacture of glass plastics goods. V. M. Tendler. Plast. massy no.10:24-30 '63.

Sorochishin, A. G., and G. M. Baitenev. [Manufacture, properties, and structural uses of glass-reinforced plastics of continuous molding] Proizvodstvo, svoistva i primenenie v stroitel'stve stekloplastikov nepreryvnogo formovaniia. Vil'nius, TSentr. biuro tekhn. informatsii i propagandy Gos. kom-ta Soveta Ministrov Litovskoi SSR po delam stroit. i arkhit., 1963. 71 p.

Useful book on glass plastics (B. A. Kiselev, "Glass Plastics," State Scientific and Technical Publishing House of Chemical Literature, 1961). A. M. Breev. Plast. massy no.10:71-73 '63.

GLASS REINFORCED PLASTICS—TESTING

Mechanism of the effect of the thermochemical treatment of glass fibers on the strength of polyester glass plastics. V. A. Beershtein. Plast. massy no.10:30-35 '63.

Methods of static tests for tensile strength of glass plastics obtained by cold setting. E. F. Vasil'ev and others. Plast. massy no.6:57-60 '63.

GLASS REINFORCED PLASTICS—THERMAL PROPERTIES

Heat-resistant glass textolite STK-41. K. A. Andrianov, A. M. Cherniakova. Plast. massy no.6:21-24 '63.

GLASS RESEARCH—CONGRESSES

Vsesoiuznoe soveshchanie po stekloobraznomu sostoianiiu 3d [Abstracts of the reports at the All-Union Conference on the Glassy State] Tezisy dokladov Leningrad, Goskhimizdat, 1959. 133 p. (MICROFILM)

GLAUBERITE see subdivision under Tien Shan

GLAUCOMA

Complications developed as the result of internal and subcutaneous use of atropine preparations. T. S. Kurilina. Vrach. delo no.7,145-146 Jl '63.

Glaucoma. K. V. Trutneva. Med. sestra 22 no.8:30-34 Ag '63.

GLAZES—DEFECTS

Various types of bubble forming on glazes. A. M. Akh"ian. Stek. i ker. 20 no.10:20-24 O '63.

GLAZING—SAFETY MEASURES

Petrova, A. N. [Safety manual for glaziers of ceramic and porcelain pottery wares] Pamiatka po tekhnike [illegible]

GLIADINS

Sorption and desorption of vapors by wheat gliadin [with summary in English]. V. V. Ponomarev, T. I. Karetina. Koll. zhur. 25 no.5:587-588 S-O '63.

GLIDING AND SOARING

Velgus, S. E., Makula, and S. Skrzydlewski. [Flights in a glider. Translated from the Polish] Poleloty na planere. Moskva, DOSAAF, 1963. 145 p.

GLOBULIN

Juxtaposition of the chemical and electrophoretic methods of determining the albumin-globulin coefficient. IU. A. Khavkin, V. A. Vasil'ev. Trudy TashNIIVS 5:167-174 '62.

GLOWACKI, ALEKSANDR, 1817-1912

Bolesław Prus and Russian literature [illegible] Vest. Mosk. un. Ser. 7, Filol., [illegible] Ag '63.

GLUCOSE OXIDASE

Development of the method for obtaining preparations. N. V. Pokrovskaia, [illegible] Trudy TSenti, issue 6, [illegible] no.9:69-78 '63.

GLUCOSIDES—TOXICOLOGY

Study of the toxicity of a glucoside from the herbage of Zygophyllum fabago (Report 2). [illegible] khanova. Izv. AN Kazakh. SSR. Ser. [illegible] 22 '63.

GLUING

Gluing of cellular concrete with plywood [illegible] others. Stroi. mat. 9 no.9:16-17 S '63.

High-frequency heating in plywood plo[illegible] A. K. Petrov. Der. prom. 12 no.10:[illegible]

Improved gluing of hardwood blo[illegible] Mashinostroit. no.9:35 S '63.

Shop for the production of glued box[illegible] for window and door units. V. P. [illegible] Der. prom. 12 no.6:14-15 Je '63.

Technology of the production of bent-[illegible] parts. Z. I. Ushenko. Der. prom. 12 [illegible] '63.

GLUKHOV DISTRICT—CANCER—DIAGNOSIS

Results of massive preventive [illegible] with the use of the cytological method [illegible] cancer under conditions prevailing in the Muanov. Akush. i gin. no.2:100-[illegible]

GLUTAMIC ACID

Stability of complex compounds of [illegible] praseodymium, and neodymium with glu[illegible] I. M. Batinov, S. V. Larionov. Izv. [illegible] no.2:113-115 '63.

GLUTATHIONE

Ascorbic acid and glutathione in [illegible] Karshanov. Nauk. prats. Ukr. zhovt. [illegible] 65-76 '61.

Metabolism in experimental pilocarpin[illegible] glutathione and ascorbic acid in experimental [illegible] Z. N. Kalpova. Izv. AN Kazakh. SSR. Ser. [illegible] no.2,30-36 '63.

GLYCEROL

Improving the accounting in the glycerin[illegible] M. V. Brodov. Mash.-tekhn. prom. 20 no.[illegible] '63.

GLYCIDOL

Synthesis of allyl glycidyl ester and [illegible] copolymers. M. F. Sorokin, L. I. [illegible] mat. i tkh prim no.1:5-10 '63.

GLYCINE—ELECTRIC PROPERTIES

Electrostriction of triglycine sulfate. A. V. [illegible] M. P. Zaitseva, L. I. Zherebtsova. [illegible] no.5:721-728 S-O '63.

GLYCOGEN

Concentration of glucose in different [illegible] and glycogen in the liver and muscles [illegible] V. A. Bernshtein. Izv. AN Kazakh. SSR. Ser. [illegible] no.1:26-31 '63.

GOATS—FEEDING AND FEEDS

Lactogenic effect of hawthorn. D. IA. [illegible] narita 30 no.9:61-62 S '62.

GOBI ALTAI—ECONOMIC CONDITIONS

My friend's letter. Shagdarsuren. [illegible] 9 F '63.

GOD

Necessary for an atheist, useful for the believer. E. Chernilevskaia. Nauka i rel. 7 no.[illegible]

GOGOL', NIKOLAI VASIL'EVICH, 1809-1852

First test of a Gogol' seminar. M. Lomagina. [illegible] 7 no.8:231-235 Ag '63.

Dokusov, A. M. [N. V. Gogol's "Evenings on a [illegible] Dikanka"] Vechera na khutore bliz Dikan'ki N. V. [illegible] lektsiia. Leningrad, Leningr. gos. pedagog. [illegible] 43 p. (MH)

GOITER

Autoradiography and surgical treatment of [illegible] nodular endemic goiter [with summary in English] M. M. Kovalev, A. P. Krasovskii. Vrach. delo [illegible] 71 S '63.

Endemic goiter and its prophylaxis. I. I. Nelepova. Med. sestra 22 no.9:35-40 S '63.

Extrasecretory function of the pancreas in endemic goiter [with summary in English]. N. I. Chernikova. Vrach. delo no.9:63-67 S '63.

Functional state of the sympathico-adrenal system in goiter. I. L. Poltoratskii. Vrach. delo no.7,[illegible] Jl '63.

GOITER (Continued)
Surgical treatment of thyrotoxic goiter according to clinical material. G. E. Kaziman, Zhur. eksp. i klin. med. 3 no. 1 65-71 '63.
Troell Jonet syndrome. A. P. Kalnin, M. I. Balabolkin. Vrach. delo no. 9 115-117 S '63.

GOLD ISOTOPES—THERAPEUTIC USE
Calculation of absorbed doses in radiotherapy with a colloid solution of radioactive gold. G. A. Linchevskaia, A. N. Krenganz. Med. rad. 7 no. 12:7-14 D '62.
Preoperative irradiation in cancer of the breast by intratissular administration of colloidal radioactive gold [with summary in English]. A. V. Kantin and others. Med. rad. no. 1 21-32 '63.

GOLD ORES see subdivision under Altai Mountains

GOLITSYNO (MOSCOW PROVINCE)—VOCATIONAL EDUCATION
Here we learn our trade. F. Fel'dman. Mest. prom. i khud. promys. 4 no. 4:23 Ap '63.

GOMEL' PROVINCE—TRANSPORTATION, AUTOMOTIVE
Inspectors and public workers. G. Prokhotskii. Avt. transp. 41 no. 10:9 O '63.

GONADOTROPIN
Pregnant mare's blood as a hormone preparation. P. I. Shatalov. Veterinariia 39 no. 11:52-56 N '62.

GONCHAROV, IVAN ALEKSANDROVICH, 1812-1891
I. A. Goncharov's unpublished letters. Trudy [Len.] publ. bibl. 11:153-177 '63.

GONORRHEA
Some results of the use of fluorescence microscopy in bacterioscopic diagnosis of gonorrhea in women [with summary in English]. V. A. Aleksandrov. Akush. i gin. no. 2 81-83 '63.

GORAN, ABDULLAH, 1901-1962
Poet of Kurdistan. Az. i Afr. sog. no. 10:15 O '63.

GORDEEV, DEM'IAN IGNAT'EVICH, 1903-
Dem'ian Ignat'evich Gordeev, on his 60th birthday. O. A. Lange, K. P. Mel'nikov. Vest. Mosk. un-ta. Ser. 5, Geol. 18 no. 4:75-85 Jl-Ag '63.

GORIACHKIN, VASILI PROKHOROVICH, 1868-1935
In memory of Academician V. P. Goriachkin. A. N. Volda. Trakt. i sel'khozmash. 33 no. 5:48 My '63.

GOR'KII, MAKSIM, 1868-1936
Artist, realism, time; M. Gorkii and some problems of modern literature. V. Shcherbina. Vop. lit. 7 no. 9:3-22 S '63.
The book as an assistant. V. Maksimova. Vop. lit. 7 no. 8 228-230 Ag '63.
"From Gorkii to children." Reviewed by P. Blinkina. Sem'ia i shkola 18 no. 5:34-35 My '63.
What Gorkii passed over in silence. A. Rubinshtein. Kul't. i zhizn' 7 no. 2:16 '63.

GORKIY—AUTOMOBILE INDUSTRY
Further mechanization of conveying and storing operations at the Gorkiy Automobile Plant. M. S. Slutskii. Avt. prom. 29 no. 10:4-6 O '63.

GORKIY—BATIK
After the seminar. S. Mel'nova. Mest. prom. i khud. promys. 4 no. 4:38 Ap '63.

GORKIY—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS
Rebirth of a plant. V. Il'in. Mol. komm. no. 6 53-58 Je '63.

GORKIY REGION—CONSTRUCTION WORKERS
They are on familiar terms with the sky. V. Lvgen'ev. Smena 40 no. 15:1-5 Ag '63.

GORNAYA SHORIYA—GEOLOGY, STRATIGRAPHIC
Lower Ordovician sediments in the Kaz'kovo-ore deposit of Gornaya Shoriya. V. I. Sinlakov, E. S. Fedlatina. Mat. po geol. Zap. Sib. no. 63:41-55 '62.

GORNAYA SHORIYA—MANGANESE
Stratigraphic position of phosphorite and manganese occurrences in Gornaya Shoriya and in the Kuznetsk Ala-Tau. A. B. Gintsinger, M. K. Vinkman. Trudy SNIIGGIMS no. 24:107-115 '62.

GORNAYA SHORIYA—ORE DEPOSITS
Genetic relationships between the igneous activity and the complex metal mineralization in the Kondoma region of Gornaya Shoriya. G. IU. Zeits, V. N. Sharapov. Geol. i geofiz. no. 8:113-116 '63.

GORNAYA SHORIYA—PALYNOLOGY
Find of Jurassic spore-pollen complexes in Gornaya Shoriya. L. L. Driagina. Mat. po geol. Zap. Sib. no. 63:181-192 '62.

GORNAYA SHORIYA—PHOSPHORITE
Stratigraphic position of phosphorite and manganese occurrences in Gornaya Shoriya and in the Kuznetsk Ala-Tau. A. B. Gintsinger, M. K. Vinkman. Trudy SNIIGGIMS no. 24:107-115 '62.

GORNAYA SHORIYA—TRILOBITES
Trilobites of the Mrassu series from the Pervaia Spring (Gornaya Shoriya). G. S. Fedianina. Mat. po geol. Zap. Sib. no. 63:30-40 '62.

GORYACHIY KLYUCH (KRASNODAR TERRITORY)—GROCERY TRADE—MANAGEMENT
We value our high title. L. Drobiazko. Sov. potrebkoop. 7 no. 7:15 Jl '63.

GOSSYPOL
New methods for the separation of gossypol. A. I. Markman, M. D. Makhamadaminov. Maslob.-zhir. prom. 29 no. 8:11-13 Ag '63.

GOTHIC WRITING see Writing, Gothic

GOUT
Gout. I. G. Pikhlak. Med. sestra 22 no. 9:11-16 S '63.

GOVERNMENT OWNERSHIP
(see also subdivision under Underdeveloped Areas)
Laptev, V. V. [Legal status of government-owned industrial enterprises in the U. S. S. R.] Pravovoe polozhenie gosudarstvennykh promyshlennykh predpriiatii v SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 286 p.

GRADERS (EARTHMOVING MACHINERY)
New mining grader. S. I. Bydelovskii, R. O. Stupel', Shakht. stroi. 7 no. 7:31-32 Jl '63.

GRADING AND MARKING (STUDENTS)
Grading students in grades 1-4. Nach. shk. 23 no. 5:61-64 My '63.

GRAFTING
Controlled transformation of heredity as a method for developing parent material in breeding winter wheats. M. L. Kravchenko. Vest. sel'khoz. nauki 8 no. 3:67-80 Mr '63.
Controlling the heredity of cotton by graft-hybridization. L. G. Arutiunova. Vest. sel'khoz. nauki 8 no. 3:135-136 Mr '63.
Grafting Siberian pine on Scotch pine in the Alma-Ata Botanical Garden. V. G. Rubanik, T. A. Zherebkina. Trudy Alma-At. bot. sada. 7:76-85 '63.
Possibilities of biochemical investigations in vegetative hybridization of plants. E. Makovskii. Vest. sel'khoz. nauki 8 no. 3:149-155 Mr '63.

GRAIN
Characteristics of the transformation of spring forms into winter forms and vice versa. O. T. Lysenko. Vest. sel'khoz. nauki 8 no. 3:67-69 Mr '63.
Concern over the harvest safety. P. D. Novokhatova. Uchet i fin. v kolkhozakh i sovkhozakh. 20 no. 7:15-18 Jl '63.
Controlled transformation of hereditary winter varieties into spring varieties and vice versa. A. A. Avakian. Vest. sel'khoz. nauki 8 no. 3:13-19 Mr '63.
Controlled transformation of poorly wintering durum wheat, peas, and distichous barley into winter-hardy varieties. V. F. Khitrinskii. Vest. sel'khoz. nauki 8 no. 3:31-34 Mr '63.
Developing cold resistance and early ripening in cereals. M. M. Kishuk. Vest. sel'khoz. nauki 8 no. 3:95-97 Mr '63.
Role of individual hereditary properties of parent forms in the controlled transformation of the nature of plants. A. F. Shulyndin. Vest. sel'khoz. nauki 8 no. 3:101-106 Mr '63.
Denisov, P. V. [Seeding rates for grain crops and peas] Normy vyseva zernovykh kul'tur i gorokha. [Leningrad] Lenizdat, 1963. 53 p. (DNAL)

GRAIN—CLEANING
Pavlovskii, G. T. [Grain cleaning] Ochistka zerna. Moskva, Profizdat, 1963. 86 p.
Grain cleaning and drying station. F. M. Detistov. Trakt. i sel'khozmash. 33 no. 5:36-37 My '63.

GRAIN—DISEASES AND PESTS
[Pests and diseases of grain crops] Vrediteli i bolezni zernovykh kul'tur. Izd. 2, [in p.] Sel'khozizdat, 1963. 34 p. (DNAL)

GRAIN—DRYING
Grain cleaning and drying station. F. M. Detistov. Trakt. i sel'khozmash. 33 no. 5:36-37 My '63.

GRAIN—STORAGE
(see also subdivision under Sverdlovsk Province)
Preventive measures against granary pests. V. I. Ratanova, P. S. Solodovnik. Zashch. rast. ot vred. i bol. 8 no. 8:35-36 Ag '63.

GRAIN—TRANSPORTATION see subdivision under United States

GRAIN—VARIETIES see subdivision under Siberia

GRAIN ELEVATORS
(see also subdivision under Saratov Province)
Fasman, Y. B. [Operational design of a grain elevator] Operativnyi raschet raboty elevatora. Moskva, Zagotizdat, 1963. 84 p.

GRAMMAR, COMPARATIVE AND GENERAL
Is it necessary to know grammar? V. Dobromyslov. Nauka i zhizn' 30 no. 9:96-97 S '63.
Akademiia nauk SSSR. Institut slavianovedeniia. [Studies on structural typology] Issledovaniia po strukturnoi tipologii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 279 p.

GRAMMAR, COMPARATIVE AND GENERAL—SYNTAX
Sentence patterns in the history of language. IU. S. Stepanov. Vop. ling. no. 1 111-118 '63.

GRAMMAR, COMPARATIVE AND GENERAL—WORD FORMATION
Akademiia nauk SSSR. Institut iazykoznaniia. [Morphologic word structure in various language families] Morfologicheskaia struktura slova v raznykh iazykakh razlichnykh tipov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 269 p.

GRANARIES—DISINFECTION
Disinfectization of granaries with chlorophos. M. A. Tedchenko. Zashch. rast. ot vred. i bol. 8 no. 9:27 S '63.

GRANDPARENTS
About grandmothers. E. Turbina. Sem'ia i shkola 18 no. 8:24-25 Ag '63.

GRANITE
(see also subdivision under Azov Sea region, Chita Province, Kazakhstan, Transbaikalia)
Age correlation of granitoids by thermoluminescence [with summary in English]. V. D. Vasilenko, N. S. Vartanova. Geol. i geofiz. no. 11:17-31 '63.

GRANITE—MAGNETIC PROPERTIES see subdivision under Siberia, Eastern, Soviet Far East

GRANULAR MATERIALS
Hydrodynamic conditions for the fluidification of granular materials in a conical model with a double fluid feed. IA. V. Shvartsshtein, L. M. Varshavskaia. Khim. mashinostr. no. 1:15-18 '63.

GRAPES—DISEASES AND PESTS see subdivision under Moldavia; Uzbekistan

GRAPES—STORAGE
Grape storage. V. Grimm. Sov. torg. 36 no. 9:30-31 S '63.

GRAPES—VARIETIES see subdivision under Ukraine

GRAPHIC ARTS
Varshavskii, L. R. [History of the graphic arts of the peoples of the U. S. S. R., a brief lecture course] Istoriia graficheskikh iskusstv narodov SSSR, kratkii kurs lektsii. Moskva, Mosk. zaochnyi poligr. in-t, 1960. 121 p. illus. [MICROFILM]

GRAPHIC METHODS
Use of scale nomograms in preparing graphs. T. Ch. Cholpankulov. Razved. i okh. nedr 29 no. 9:52-54 S '63.

GRAPHITE
Chemical mechanism underlying the action of modifying agents in graphitized alloys. A. A. Baranov, K. P. Bunin. Dokl. AN SSSR 151 no. 6:1393-1394 Ag '63.

GRAPTOLITES see subdivision under Ishim Valley

GRASSES
Genesis of male sporangia in Gramineae and Juncaceae [with summary in English]. I. B. Batygina and others. Bot. zhur. 48 no. 8:1108-1120 Ag '63.

GRAVIMETER (GEOPHYSICAL INSTRUMENT)
Practice of determining gravity at sea with dampened gravimeters. A. I. Filatov, P. A. Strocv. Prikl. geofiz. no. 37:160-168 '63.

GRAVITATION
Borisov, Vladimir. [The riddle of gravitation] Zagadka tiagoteniia. Moskva, Izd-vo "Znanie," 1963. 36 p. (Narodnyi universitet kul'tury. Estestvennonauchnyi fakul'tet, no. 10)

GRAVITY
Effect of gravity on measurements of heat capacity (c_v) near the critical point. V. V. Sychev, V. V. Andrianov. Teplofiz. vys. temp. 1 no. 1:50-55 Jl-Ag '63.
Methods of determining the absolute value of gravity from interference measurements of the path of free fall. K. N. Egorov. Izv. AN SSSR, Ser. geofiz. no. 9:1348-1356 S '63.

GRAVITY ANOMALIES
Calculation of the deviations of vertical lines based on gravity anomalies. V. G. Kolmogorov. Geol. i geofiz. no. 8:100-106 '63.
Localization of the characteristics of potential fields from observed anomalies and the accuracy of analytic continuations into the lower discontinuity. M. G. Sebulenko, O. A. Solov'ev. Geol. i geofiz. no. 7:112-116 '63.

[illegible]

GREAT BRITAIN—CHARTER PARTIES

[illegible] Inform. shor. TSNIIMF no. 9 72-73 '60

GREAT BRITAIN—CIVIL RIGHTS

[illegible] '63

GREAT BRITAIN—CIVIL WAR, 1642-1644

[illegible] the 1640's' b. [illegible]

GREAT BRITAIN—COLLISIONS AT SEA

[illegible] TSNIIMF [illegible] no. 12 53-63 '61.

GREAT BRITAIN—DOCUMENTARY

[illegible] Inform. shor. [illegible] no. 16 43-44 '62

GREAT BRITAIN—DIPLOMATIC AND CONSULAR SERVICE

[illegible] V. I. Petrov. Mir ekon. i [illegible]

GREAT BRITAIN—EDUCATION

[illegible] Mekh. trud. Smena [illegible]

GREAT BRITAIN—FIRES AND FIRE PREVENTION

[illegible] in Great Britain. [illegible] no. 10 41-42 O '63

GREAT BRITAIN—FOREIGN RELATIONS

[illegible] Great Britain, problems of foreign policy] Anglia, problemy vneshnei politiki. Moskva, [illegible] 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. Ser. 6. Mezhdunarodnaia [illegible] 6)
(MH)

GREAT BRITAIN—FOREIGN RELATIONS—PERIODICALS

[illegible] Mir ekon. i mezhdunar [illegible] '63.

GREAT BRITAIN—FOREIGN RELATIONS—UNITED STATES

[illegible] of Great Britain, [illegible] Vestn. Mosk. un. Ser. 9, Ist. 18 no. 2 33-44 Mr-Ap '63.

GREAT BRITAIN—HISTORY

Satykin, Iu. M. [English and Irish popular movements in the 16th century] Narodnye dvizheniia v Anglii i Irlandii v XVI veke; lektsii dlia studentov-zaochnikov istoricheskikh fakul'tetov gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. un-ta, 1963. 97 p.

GREAT BRITAIN—HISTORY—PERIODICALS

The English historical review," an English periodical. B. V. Emel'ianovskii. Vop. ist. 38 no. 9:169-173 S '63.

GREAT BRITAIN—INSTRUMENTS

British Exhibition of Instruments. I. K. Petrov. Mekh. i avtom. proizv. 17 no. 8:48-53 Ag '63.

Harvard Collection of scientific and industrial instruments. Ir. Ashk. no. 3:56-57 Ag '63.

GREAT BRITAIN—LABOR PARTY

Burns, Emile. [Right wing labor, its theory and practice] Teoriia i praktika pravykh liderov rabochego dvizheniia. Vstup. stat'ia I. S. Gurkina. Moskva, Izd-vo inostr. lit-ry, 1962. 176 p.
(Lib)

Stop stewards in the works councils of English industrial enterprises and the Labor Party during the Second World War. G. I. Moiseeva. Vest. Mosk. un. Ser. 9, Ist. 18 no. 2 33-44 Mr-Ap '63.

GREAT BRITAIN—LIQUEFIED PETROLEUM GAS

Sorokin, A. I., and others. [Liquefied gases in England; their transportation, storage, uses] Szhizhennye gazy v Anglii, transport, khranenie, ispol'zovanie. Moskva, Gostoptekhizdat, 1963. 140 p.

GREAT BRITAIN—MARITIME LAW

From the practice of English courts. Inform. shor. TSNIIMF no. 72. Mor. pravo i prak. no. 16:43-44 '62.

A review of English judicial decisions in maritime conflicts in 1960. M. I. Prutopopova. Inform. shor. TSNIIMF no. 67. Mor. pravo i prak. no. 14 72-82 '61

GREAT BRITAIN—MILITARY POLICY

Modern military doctrine of Great Britain. A. Slobodin. Mir. ekon. i mezhdunar. otn. no. 9 91-99 '63

GREAT BRITAIN—MOTION PICTURES

Trutko, I. I. [Motion pictures of England, 1929-1939] Kino Anglii (1929-1939) Moskva, Vses. gos. in-t kinematografii, 1962. 33 p. (Istoriia zarubezhnogo kino)

GREAT BRITAIN—POLITICAL CRIMES AND OFFENSES

English police and courts have intensified their repressions. V. Pul'ianov. Sov. iust. no. 15 27-29 Ag '63.

GREAT BRITAIN—POLITICS AND GOVERNMENT—PERIODICALS

"The Statesman." K. Beliaev. Mir. ekon. i mezhdunar. otn. no. 5 139-143 '63.

GREAT BRITAIN—PRESS

Family criticism of a "newspaper lord." E. Lavrent'ev. Sov. pech. no. 7 59-60 S '63.

GREAT BRITAIN—RADIOBROADCASTING

British monopolies at the microphone. V. Prokop'ev. Sov. pech. no. 5 60-61 My '63.

GREAT BRITAIN—RELATIONS (GENERAL) WITH RUSSIA

Anglo-Soviet cooperation; partisans and opponents. A. Kalliadin. Mezhdunar. zhizn' 10 no. 10, 134-137 O '63.

English exhibitions in the U. S. S. R. Aleksei Markushevich. Kul't. i zhizn' 7 no. 8 25-26 '63.

The English talk about us. E. Makarov. Kul't. i zhizn' 7 no. 4 46-47 '63.

In Moscow and Leningrad. Miles Malleson. Kul't. i zhizn' 7 no. 2:14-15 '63.

GREAT BRITAIN—SALVAGE

Decisions of English courts. Inform. shor. TSNIIMF no. 58. Mor. pravo i prak. no. 12, 63-65 '61.

GREAT BRITAIN—TRADE UNIONS—CONGRESSES

Defeat of the right at the British Trade Union Congress. A. Beliaev. Nov. vrem. 21 no. 37 18-19 S '63.

GREAT BRITAIN—TRUSTS, INDUSTRIAL

Attack of British monopolies on the workers' wages. M. Zeltyn'. Sots. trud 8 no. 9 31-38 S '63.

GREAT BRITAIN—WAGES

Attack of British monopolies on the workers' wages. M. Zeltyn'. Sots. trud 8 no. 9 31-38 S '63.

GREAT BRITAIN—WORKS COUNCILS

Shop stewards in the works councils of English industrial enterprises and the Labor Party during the Second World War. G. I. Moiseeva. Vest. Mosk. un. Ser. 9, Ist. 18 no. 2 33-44 Mr-Ap '63.

GREECE—COMMERCE

"Ionian trade and colonization" [in English] by Carl Roebuck. Reviewed by V. G. Borukhovich. Vest. drev. ist. no. 1 144-147 '63.

GREECE—HISTORY

"History of ancient Greece." Reviewed by G. M. Livshits. Vop. ist. 38 no. 9, 125-127 S '63.

GREECE—POLITICAL PRISONERS

About the unvanquished. Kapsalis Kliseovitis. Nov. vrem. 21 no. 38 3-5 S '63.

GREEK INSCRIPTIONS see Inscriptions, Greek

GREEK ORATORS see Orators, Greek

GREEK SCULPTURE see Sculpture, Greek

GREEN MANURING

The RU-4 spreader of mineral fertilizers and green manure crop seeds for fruit-bearing orchards. T. A. Malykhina. Trakt. i sel'khozmash. 33 no. 5:34-35 My '63.

Using green manure for corn. T. G. Mamedov. Trudy Azerb. nauch.-issl. inst. zem. 12:73-77 '62.

GREENHOUSE MANAGEMENT
(see also subdivision under Black Sea region)

How to mechanize the whitening of the roofs of greenhouses. B. V. Latenko. Mekh. sil'. hosp. 14 no. 5:13 My '63.

GREENHOUSES see subdivision under Ulan Bator

GREEN'S FUNCTIONS

Green's function for a Laplacian operator in a composite region [in Azerbaijani with summary in Russian]. Sh. I. Vekilov. Trudy Inst. mat. i mekh. AN Azerb. SSR 2:24-31 '63.

Heat conduction problem for multilayer media and the squared Green function. A. V. Ivanov. Vestn. AN BSSR. Ser. fiz.-tekh. nav. no. 3:5-8 '63.

GREMIATSKII, MIKHAIL ANTONOVICH, 1883-

M. A. Gremiatskii's 75th birthday. Vop. ist. 38 no. 11 148 N '63

GRENADES

Russia (1923- U.S.S.R.) Ministerstvo [illegible]
[Manual on marksmanship, light artillery, grenade launcher, and antitank grenade] Nastavlenie po strelkovomu delu, ruchnym protivotankovym granatometu (RPG-2), ruchnym [illegible] granate. Izd. 2., [illegible] skoe. Voenizdat, 1961. 80 p.

GRIBACHEV, NIKOLAI MATVEEVICH, 1910-

A new bridgehead (Unneeded). M. Mikhailov. [illegible] no. 9 200-201 S '63.

GRIMM, JAKOB LUDWIG KARL, 1785-1863

Two syntactic structures in the language of [illegible] based on the tales of the brothers Grimm. P. Ia. Pechenkova. Vop. filol. no. 1 109-110 '63.

GRIMM, WILHELM KARL, 1786-1859

Two syntactic structures in the language of [illegible] based on the tales of the brothers Grimm. P. Ia. Pechenkova. Vop. filol. no. 1 109-110 '63.

GRUNBERG, ALEKSANDR ABRAMOVICH, 1899-

Akademiia nauk SSSR. Aleksandr Abramovich Grunberg. Vstup. stat'ia L. M. Volshtein. Bibliografiia trudov [illegible] na G. N. Flerovskoi. Moskva, 1963. 58 p. (Materialy k bibliografii uchenykh SSSR. Seriia khimicheskikh nauk, no. 32)

GRINDING AND POLISHING

Automatic line for in-feed grinding of [illegible] D. A. Simonov. Trakt. i sel'khozmash. 33 no. 5 42-[illegible] '63.

Automation of machining on center-less grinding [illegible] at the Gorkii Automobile Plant. T. M. [illegible] Stud. nauch. obshch. LPI no. 1, 81-87 '59.

Comparison of diamond boring and [illegible] V. N. Gerasimov. Trudy Stud. nauch. obshch. [illegible] 92-96 '59.

Depth and characteristics of changes in the [illegible] hardened alloyed steel caused by grinding [illegible] ser., L. V. Baskov. Vest. mashinostr. [illegible] S '63.

Lapping the connecting-rod unit of a diesel [illegible] compressor. V. F. Nikolaevskii. [illegible] mashinostr. 43 no. 8:37-39 S '63.

Polishing cylindrical journals. D. Voronov. [illegible] sel'khoz. 23 no. 2:51-57 F '63.

Superfinish of rolled surfaces with [illegible] filler. V. S. Antonevich, V. N. Minin. Vestn. [illegible] 43 no. 9:57-60 S '63.

GRINDING MACHINES

Automatic adjuster of a grinding machine. V. I. [illegible] Trudy Stud. nauch. obshch. LPI no. 9:88-91 '59.

Automatic wear-compensation system for [illegible] of an internal grinding machine. Mashinostroenie no. 9 22-23 S '63.

Effect of contact pressure in machining on [illegible] pose hand-grinding machines. F. S. [illegible] Trofimskii. L. V. vys. ucheb. zav., mashinostr. [illegible] 172-181 '63.

New grinding machine. V. Osipov, V. Tolstikov, [illegible] stroi. 20 no. 10, 22 O '63.

Polishing machine. V. V. Bushin. Mekh. stroi. 21 no. 10 21-22 O '63.

Semiautomatic machine for grinding scrapers plates. G. D. Pekelis, F. N. Filiuev. Mashinostroitel' [illegible] 16 S '63.

Stand for lapping small holes. M. Plotkin. Mekh. stroitel' no. 8:13 Ag '63.

GRINDING MACHINES—SAFETY MEASURES

Increasing the efficiency of pneumatic conveyors at saw setting workshops. G. M. Dobrunov, G. I. Kamenev. Der. prom. 12 no. 10:23-24 O '63.

GRINDING WHEELS

Efficient performance of abrasive wheels for the [illegible] of high-alloy steel. A. V. Mardnasov, V. V. Pan[illegible] Metallurg 8 no. 9 25-26 S '63.

Truing the abrasive wheels of knife sharpening [illegible] of the TchN type. K. I. Demtianovskii, V. D. Dunaev. Der. prom. 12 no. 10:7-8 O '63.

GRISEOFULVIN

Candidiasis developing during griseofulvin treatment [illegible] microsporia. P. I. Kaunapulo, L. V. Silicova. Vest. derm. i ven. 37 no. 2:77-78 F '63.

Griseofulvin in the treatment of trichomycoses. F. F. Tadzhibaev. Vest. derm. i ven. 37 no. 1:79 Ja '63

GRISIN

Application of grisin on collective and state farms of Moscow Province. I. F. Chingaev, O. A. Gavrilova. Veterinariia 39 no. 11:65-68 N '62.

GROCERY TRADE see subdivision under Slavuta

GROCERY TRADE—MANAGEMENT see subdivision [illegible] Goryachiy Klyuch (Krasnodar Territory)

GRODNO PROVINCE—COOPERATIVE SOCIETIES—AUDITING AND INSPECTION

Absence of control is the ally of mismanagement. G. Galin. Sov. potrieb. koop 7 no 7 14-17 Jl '63

GRODNO PROVINCE—PEAT INDUSTRY—EQUIPMENT AND SUPPLIES

Adoption of the technological layout for peat briquetting in the "Vertelishki" Plant. V. M. Naumovich and others. Torf. prom. 40 no. 1,22-25 '63.

GRODNO PROVINCE—PUBLIC HEALTH

In Z. P. Solov'eva's home town. Sov. Kraas. krest 13 no. 2-19 Mr-Ap '63.

GRODZINSKII, MORITS MARKOVICH, 1867-1962

Brief news. Rad. pravo no. 3:145-147 My-Je '63.

GROUND-EFFECT MACHINES

First ship on an air cushion. B. V. Nikitin. Mor. sbor. 46 no. 5:71-71 Ag '63.

Nikolaev, N. I. [Flying ground-effect vehicle] Letaiushchii ekranoplan. Moskva, Voenizdat, 1963. 103 p.

On an air cushion. L. Hil'berh. Nauka i zhyttia 13 no 7:22-24 Jl '63

GROUPS, THEORY OF

A class of solvable Sylow $\mathcal{W}$-subgroups of a complex complete linear group. D. A. Suprunenko. Mat. sbor. 61 no. 2:207-210 Je '63.

Correctness of systems with external multiplication having a regular first component. M. M. Lesokhin. Izv. vys. ucheb. zav.; mat. no. 4:89-91 '63.

Finite groups with two classes of unattainable isocdal subgroups. S. A. Safonov. Dokl. AN BSSR 7 no. 6:364-365 Je '63.

Finite groups with unattainable isocdic zd-subgroups. V. P. Hromyko. Vestsi AN BSSR Ser. fiz.-tekh. nav. no. 3:9-13 '63.

Noncompact semisimple Lie groups. A. I. Sirota, A. S. Solodovnikov. Usp. mat. nauk 18 no. 3:87-144 My-Je '63.

Permutability of mappings. V. A. Liskovets, V. Z. Feinberg. Dokl. AN BSSR 7 no 6 366-369 Je '63.

A semigroup of one-to-one transformations. E. G. Shutov. Usp. mat. nauk 18 no. 3:231-235 My-Je '63.

Semigroups, all subsemigroups of which are composition subgroups. L. N. Shevrin. Mat. sbor. 61 no. 2:253-256 Je '63.

Sets of nonspecial subgroups and p-nilpotent finite groups. S. A. Chunikhin. Mat. sbor. 62 no 1,76-103 S '63.

Solvable algebraic linear groups. V. P. Platonov. Dokl. AN BSSR 7 no. 7:139-142 Jl '63.

Structural isomorphisms of locally nilpotent torsionless groups. A. S. Pekelis. Usp. mat. nauk 18 no. 3:187-190 My-Je '63.

A theorem of Schur. D. A. Suprunenko, V. P. Platonov. Dokl. AN BSSR 7 no. 8:510-512 Ag '63.

Transitive representations of semigroups. B. M. Shain. Usp. mat. nauk 18 no. 3:215-222 My-Je '63.

GROWTH (PLANTS)

Rhythm of seasonal sprout formation in the yellow vetchling and tufted vetch and their growth depending on the height of the cut. V. N. Egorova. Biul. MOIP, Otd. biol. 68 no. 5 53-65 S-O '63.

Study of triazine derivatives as regulators of plant growth. V. Change in the photochemical activity of chloroplasts under the influence of simazine and atrazine. S. M. Mashtakov, R. A. Prokhorchik. Dokl. AN BSSR 7 no. 8:557-560 Ag '63.

GROWTH PROMOTING SUBSTANCES

Effect of growth promoting substances of petroleum origin on the yield of watermelons and melons. I. I. Bombasov. Trudy Azerb. nauch.-issl. inst. zem. 12:179-181 '62.

Effect of growth promoting substances on tubercle formation and the growth of alfalfa plants. M. Kh. Chailakhian and others. Dokl. AN Arm. SSR 36 no. 3:189-192 '63.

New stimulants of growth. A. M. TSukerman. Nauka i zhizn' 30 no. 5:36 My '63.

Physiologically active substances of organic fertilizers. A. V. Maneryk, V. P. Vasyl'chenko, S. M. Malychenko. Visnyk sil'hosp. nauky 6 no. 9:49-55 S '63.

Using stimulating substances in hop growing. P. F. Marakulin. Nauk. pratsi Ukr. dosl. sta. khmel. no. 5:59-64 '61.

GRZEDA, HENRYK

Our interviews. Sov. foto 23 no. 5:23-24 My '63.

GUERILLA WARFARE

Theory and practice of the counterguerilla war. V. Pechorkin. Mezhdunar. zhizn' 10 no. 10:35-43 O '63.

GUIDED MISSILE SHIPS

A rocket ship attacks. V. Milanov. Voen. znan. 39 no. 9:25 S '63.

GUIDED MISSILES
(see also subdivision under United States)

Kriksunov, L. Z., and I. F. Usol'tsev. [Infrared apparatus for the homing of guided missiles] Infrakrasnye ustroistva samonavedeniia upravliaemykh snariadov Moskva, "Sovetskoe radio," 1963 239 p.

GUIDED MISSILES—GUIDANCE SYSTEMS

With a changeable guidance system. V. Konovalov. Av. i kosm. 46 no. 9 88-90 S '63.

GUIANA, BRITISH see British Guiana

GUILDS see subdivision under Georgia; Iran

GUILDS—FLAGS, INSIGNIA, ETC. see subdivision under Tiflis

GUINEA—POLITICS AND GOVERNMENT

Guinea: Past and future [with English summary in insert]. I. Vasil'ev. Az. i Afr. seg. no. 10:8-10 O '63.

GUINEA—POSTAGE STAMPS—TOPICS

Guinean stamps. Kul't. i zhizn' 7 no. 4:47 '63.

GUINEA, PORTUGUESE—POLITICS AND GOVERNMENT

The heart of partisan Victorino [with English summary in insert]. Kamara Fanta. Az. i Afr. seg. no. 10 31 O '63.

The war in Portuguese Guinea. V. Sidenko. Nov vrem. 21 no. 40 18-19 O '63.

GUL'KEVICHI DISTRICT—FIELD CROPS

Boiko, V. A. [Champions of the new; story about how the Gul'kevichi District Party Organization struggles for the introduction of the new and advanced in agricultural production] Poborniki novogo; rasksz o tom, kak Gul'kevicheskaia rationnaia partiinaia organizatsiia boretsia za vnedrenie novogo, peredovogo v sel'skokhoziaistvennoe proizvodstvo. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1961 31 p
(DNAL)

GUMS—DISEASES

Cytological picture of the contents of the gingival pockets before and after a compound treatment of parodontosis [with summary in English]. L. G. Shcherbina. Vrach delo no. 9:99-103 S '63.

GUMS AND RESINS

Gummiferous plants of Kopet-Dag. L. P. Markova. Trudy Bot. inst. Ser. 5 no. 11 8-44 '63.

Gummiferous system and the characteristics of resinous exudation in basic commercially valuable species of tragacanth-bearing milk vetches of Kopet-Dag. L. P. Markova. Trudy Bot. inst. Ser. 5 no. 11 45-110 '63

More on gum formation in milk vetches. I. A. Pankova. Trudy Bot. inst. Ser. 5 no. 11 111-136 '63.

Obtaining gum from the aerial part of tragacanth-bearing milk vetches by the method of extraction. K. I. Anisimova, P. A. IAkimov. Trudy Bot. inst. Ser. 5 no. 11: 321-324 '63.

Prerequisites for the use of tragacanth stands of Turkmenistan by the pruning of the shrubs and consecutive extraction of gum. T. P. Nadezhina. Trudy Bot. inst. Ser. 5 no. 11:300-320 '63.

Studying the conditions of tragacanth gum purification. S. D. Shteinbok, K. I. Anisimova, P. A. IAkimov. Trudy Bot. inst. Ser. 5 no. 11:325-327 '63.

Tapping tragacanth-bearing milk vetches in the Nakhichevan A S S R. A. A Nikitin. Trudy Bot. inst. Ser. 5 no. 11,229-299 '63.

GUR'YEV—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

The prestarting barriers. N. Fatoev. Nar. khoz. Kazakh. 21 no. 7:21-23 Jl '63.

GUZERIPL' REGION—LUMBER—TRANSPORTATION

TPU-7 units in mountain forests. R. Nekrasov, S. Grubov. Les. prom. 41 no. 6:17-19 Je '63.

GUZERIPL' REGION—LUMBERING

New lower timber landing at the Guzeripl' Logging Camp. G. Istomin, IU. Sergienko. Les. prom. 41 no. 6,13-16 Je '63.

GYMNASTICS

Improve gymnastics in school. I. P. Mokhov. Teor. i prak. fiz. kul't. 26 no. 8:54-56 Ag '63.

Two steps higher. M. Tartakovskii. Kul't. i zhizn' 7 no. 8,44-45 '63.

Stepanov, T. I., and E. A. Fierovskii. [You can become strong; working out with dumbbells, weights and exercisers] Ty mozhesh' stat' sil'nym, uprazhnenila s ganteliami, giriami i rezinoi. Moskva, Izd-vo "Fizkul'tura i sport," 1963, 166 p.

GYNECOLOGY

Organization of massive preventive examinations for the female population and incidence of gynecological diseases in a rural medical district. R. G. Khaidarliu, S. Kh. Khaidarliu. Akush. i gin. no. 2:108-111 '63.

Organization of the execution of oncological preventive examinations and improvement of the health of women under conditions prevailing in a rural district. N. S. Mamchenko. Akush. i gin. no. 2:106-108 '63.

Results of massive preventive gynecological examinations with the use of the cytological method of diagnosis of cancer under conditions prevailing in the district. I. M. Museav. Akush. i gin. no. 2 100-103 '63.

Treatment of gynecological patients at the Almaarasan Health Resort. A. S. Sokolova. Izv. AN Kazakh. SSR Ser. med. nauk no 1 58-65 '63

Use of monomycin with prednisolone and monomycin with lidase in some obstetrical and gynecological diseases. S. M. Gorbenko. Zdravookhranenie 6 no. 2 22-24 Mr-Ap '63

GYNECOLOGY, OPERATIVE

Analgesic anesthesia with nitrous oxide in surgical gynecology. S. I. TSirul'nik, V. A. Gologorskii. Akush. i gin. no. 2,31-37 '63.

Anesthesia with nitrous oxide and oxygen in minor gynecological operations. V. B Levinson. Akush. i gin. no. 2:120-121 '63.

Gynecological operations in elderly and senile women. T. A. Starostina. Akush. i gin. no. 2 38-41 '63.

Intratracheal nitrous oxide anesthesia in surgical gynecology [with summary in English]. M. G. Kal'nitskii. Akush. i gin. no. 2 44-47 '63.

Local anesthesia in obstetrical and gynecological operations under conditions of a district hospital. A. I Matsuev. Akush. i gin. no. 2 121-122 '63.

New data on the methodology of peridural anesthesia in gynecological surgery. A. M Aleksandrova. Akush. i gin. no. 2 26-31 '63.

GYPSUM
(see also subdivision under Transcarpathia)

Effect of gypsum on the hydration and hydration hardening of calcium oxide [with summary in English]. S. I. Kontorovich, L. E. Segalova, P. A. Rebinder. Koll. zhur. 25 no. 5:561-566 S-O '63.

GYROCOMPASS

Effect of the nonspherical shape of the earth on the operation of a gyrocompass. L. Z. Novikov. Prikl. mat. i mekh. 27 no. 5:878-884 S-O '63.

Stability of gyrocompasses. V. N. Koshliakov, V. F. Linshenko. Prikl. mat. i mekh. 27 no. 5 885-887 S-O '63.

GYROSCOPE

Stability of gyroscope motion on a totally rough horizontal plane. A. P. Duvakin. Inzh. zhur. 3 no. 131-134 '63.

Study of gyroscopic instruments. N. Tamanov. Voen. vest. 42 no. 11:72-75 N '62.

HABSBURG, OTTO, 1912-

Otto Habsburg. A. Markov. Mir. ekon. i mezhdunar. otn. no. 9:134-137 '63.

HAECKEL, ERNST, 1834-1919

Vedenov, M. F. [Ernst Haeckel's struggle for materialism in biology] Bor'ba E. Gekkelia za materializm v biologii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 222 p.

HAFNIUM

Hafnium behavior in the electrolytic production of zirconium from chloride-fluoride melts. L. E. Ivanovskii, O. S. Petenev. TSvet. met. 36 no. 9:65-69 S '63.

HAFNIUM COMPOUNDS

Interaction of potassium hexafluorohafniate with ammonia and alkalies. I. A. Sheka, A. A. Lastochkina. Zhur. neorg. khim. 8 no. 10,2295-2301 O '63.

HAFNIUM SULFATE—ELECTRIC PROPERTIES

Electric conductance and cryoscopy of hafnium sulfate solutions. I. V. Vinarov, N. P. Khromova. Zhur. neorg. khim. 8 no. 10:2341-2345 O '63.

HAIL

Firing at a hail cloud. Vsevolod Rovich. Nauka i zhizn' 30 no. 5:29-34 My '63.

HAIR—CARE AND HYGIENE

Care of the hair. G. S. Zol'din. Med. sestra 22 no. 8 57-59 Ag '63.

HAIR, REMOVAL OF

Use of a rosin-wax mixture for epilation in trichomycoses. G. G. Nuseev. Vest. derm. i ven. 37 no. 1:80 Ja '63.

HAIRDRESSING—COMPETITIONS see subdivision under Leningrad

HALL EFFECT

Suppression of the Hall effect in continuous media [with summary in English]. K. I. Kim. Dop. AN URSR no. 8:1052-1054 '63.

Theory of the ferromagnetic Hall effect. L. E. Gurevich, I. N. IAssievich. Fiz. tver. tela 5 no. 9:2620-2626 S '63.

HALOTHANE

Experimental and clinical basis for the rational use of anesthesia equipment in fluothane anesthesia and anesthesia with an azeotropic mixture. A. Z. Manevich, V. I. Zhorov, P. N. Smirnov. Eksper. khir. i anest. no. 1:74-78 '63.

HARD... [illegible]

[illegible] [Old Hammers] Drell-raboty [illegible] 1963 176 p.

[illegible]

HAND—DIS... [illegible]

[illegible]

HAND WEAVING *see subdivision under* Georgia, Ukraine

HANDICAPPED
(*see also subdivision under* Ukraine)

[illegible] [Rights of disabled dependents] Prava [illegible] Moskva, Gosiurizdat, 1963 [illegible] (Iuridich. skie konsul'tatsii dlia naseleniia [illegible])

HARBORS

[illegible] plan [illegible] fleet [illegible] Mor. flot 23 [illegible]

HARBORS—ELECTRIC EQUIPMENT

[illegible] electric load on feeders [illegible] 22 no 1 21-23 [illegible]

HARBORS—EQUIPMENT AND SUPPLIES

[illegible] work for the harbor [illegible] Glazko Rech [illegible]

HARBORS—REGULATIONS

[illegible] practice of the U.S.S.R. Inform. sbor. TSNIIMF no 49, Mor. pravo i prak. no. 9 68-70 '60.

[illegible] of transportation and shiploading functions of ports in the proposed code of Soviet maritime law L. G. Smir[illegible] Inform. sbor. TSNIIMF no. 49, Mor. pravo i prak. no 9 33-39 '60.

Some remarks on proposed chapters on Soviet ports. M. F. Kh[illegible] Inform. sbor. TSNIIMF no. 49, Mor. pravo i prak. no. 9, 38-39 '60.

HARD FACING

Hard ... cast iron G V Kaendzyk [illegible] 61-71 [illegible] '63

[illegible] strength at repeated impacts due to [illegible] treatments M IA Shashin. Vest. [illegible] no 5 12-14 S '63

Surface... with hard alloys V. V. Sokolov, [illegible] Metallurg 8 no 8 29 Ag [illegible]

HARD FACING—EQUIPMENT AND SUPPLIES

Equipment for electric arc hard facing using a large-[illegible] with transverse oscillations. M. I. [illegible] Svar proiz., no. 9 37-38 S [illegible]

HARDBOARD

Use of peat in the manufacture of wood-particle boards B. P. [illegible], M. M. Malzenberg Torf. prom 40 no 6 28 [illegible] '63.

HARDNESS—MEASUREMENT

Manufacturing standard hardness measures A. N. Rylov [illegible] tekh no 5 23 My '63

HARMONIC ANALYSIS

Method of determining the spectrum of seismic pulses by the harmonic curve analysis A. K. Karapetian Izv. AN Arm. SSR Ser tekh. nauk 16 no 4 65-69 '63

On method of harmonic synthesis. Radiotekhnika 18 no 8 17-23 Ag '63

HARMONIC FUNCTIONS

Integrating harmonic and biharmonic equations in curvilinear coordinates. V. V. Abel', Inzh. zhur. 3 no. 1 169-173 '63.

Solution of Zaremba's problem in a composite region [in Azerbaijani with summary in Russian]. Sh. I. Veli-[illegible] Trudy Inst. mat. i mekh. AN Azerb. SSR 2:32-38 '61.

[illegible]

[illegible] V. V. Ohnivenko. '63.

[illegible] ufacturing spikes for [illegible] I. Podrabinnik. Biul. [illegible] issl. inst. nauch. i tekh.

[illegible] tion. Uchet i fin. v [illegible] -3 Jl '63.

[illegible] harvesting. Part.

[illegible] ing. Kh. I. Izakson. [illegible] 5:21-24 My '63.

HARVESTING MACHINERY

Increasing the speed of mowing units V K. Krivosheev, A N Fomin Trakt i sel'khozmash. 33 no. 9 25-28 S '63.

HASEK, JAROSLAV, 1883-1923

The gay Czech. S Antonov. Sov. pech. no. 5 50-53 My '63.

HATS

Selection centers M Vinnitskii Sov. potreb koop 7 no. 7 19 Jl '63.

HAWAIIAN ISLANDS REGION—BASALT

Olivine-basalt in the area of the northern end of the underwater Havaii Range V. I Chernysheva. Dokl. AN SSSR 151 no. 6:1433-1436 Ag '63.

HAWTHORN

Lactogenic effect of hawthorn. D. IA. Guselnov. Veterinariia 39 no. 9:61-62 S '62.

HEALTH EDUCATION
(*see also subdivision under* Angarsk, Bukovina, Leninsk District, Andizhan Province)

If you work standing.... Okhr. truda i sots. strakh. 6 no. 9 26-28 S '63.

HEALTH RESORTS, WATERING PLACES, ETC.
(*see also subdivision under* Almaarasan; Uzbekistan; Yevpatoriya)

Meeting in the editor's office. Okhr. truda i sots. strakh. 6 no. 8 33-34 Ag '63.

HEARING

Effect of hearing on the rate of the motor reaction in man. V. O Kostanian. Zhur eksp i klin. med. 3 no. 1 79-85 '63

HEARST, WILLIAM RANDOLPH, 1908-

William Hearst, Junior. IU Babich. Mir. ekon. i mezhdunar otn. no 9 137-138 '63.

HEART—BLOOD SUPPLY

New data on the effect of adrenaline and noradrenaline on the supply of oxygen to the heart [with summary in English] M E Raiskina, Z T Samoilova, M IA Khodas. Pat fiziol i eksp terap 7 no 2 19-26 Mr-Ap '63

HEART—CANCER

Primary malignant tumors of the heart M O Makhachev, Grud khir 4 no 6 89-90 N-D '62

HEART—DISEASES

Disorders in pulmonary ventilation in patients with chronic bronchitis and heart defects [with summary in English]. IA. N Dotsenko. Vrach. delo no. 7 38-41 Jl '63

Phonocardiography and electrocardiography in the diagnosis of defects of the interventricular septum [with summary in English]. A. F Litvinenko, N. D. Chorenkova. Vrach. delo no. 7:60-64 Jl '63

Review of V S Savel'ev's book "Sounding and angiocardiography in congenital heart defects." M. I Burmistrov Vest khir 90 no 3 126-128 Mr '63.

HEART—EXAMINATION

Simplified apparatus for phasic examination of the heart A N Medelianovskii, O. I. Kiselev. Pat. fiziol i eksp terap. 7 no 1 86-87 Ja-F '63

HEART—HYPERTROPHY AND DILATATION

Mediator metabolism of the myocardium in compensatory hyperfunction and hypertrophy of the heart [with summary in English] F Z Meerson and others Pat fiziol. i eksp terap 7 no 1 32-36 Ja-F '63

HEART—INFARCTION

Characteristics of disorders in the contractile capacity of the heart in experimental myocardiac infarction [with summary in English]. M. M. Povzhitkov. Vrach. delo no. 9:45-49 S '63.

Content of cholesterol in the blood serum of rabbits with a myocardiac infarct and the effect of Ziziphora preparations on the level of this sterol. Sh. Zh. Zhangozin. Izv. AN Kazakh SSR, Ser. med. nauk no. 2:17-26 '63.

Course of experimental myocardial infarct following cardiac revascularization operations [with summary in English]. G. D Mysh, A. F. Bocharov Grud. khir. 4 no 6 10-13 N-D '62.

Disorders in fat metabolism in patients with myocardiac infarct [with summary in English] M. N. Solun. Vrach delo no. 7:34-37 Jl '63.

Functional state of the thyroid gland in patients with a history of myocardial infarct [with summary in English]. E. G. Paramonova, K. M. Prostiakov. Terap. arkh. 35 no. 2:54-58 F '63.

HEART—MUSCLE

Determination of oxygen tension in the myocardium by polarography M IA. Khodas and others. Pat. fiziol. i eksp. terap 7 no 2 73-76 Mr-Ap '63.

HEART—NECROSIS

Miasnikov, A. L., and others. [Experimental necroses of the myocardium] Eksperimental'nye nekrozy miokarda. Moskva, Medgiz, 1963. 202 p. (DNLM)

HEART—RADIOGRAPHY

Electrocardiographic and roentgenological [illegible] heart in silicosis and anthracosilicosis. [illegible] L. A. Kal'kina, [illegible] Izv. AN Kaz[illegible] med. nauk no. 1:80-86 '63.

X-ray diagnosis of disorders of the heart [illegible] fever. V. V. Zodi[illegible], V. A. Shanin[illegible] no. 2 82-85 F '63.

HEART—SOUNDS

Intracardiac examination of blood pressure [illegible] cardiogram under experimental conditions [illegible] Soviet apparatus N S Izhevallan, [illegible] Filimonov Pat. fiziol i eksp. terap [illegible] Mr-Ap '63.

Phonocardiogram in coronary insufficiency [illegible] Terap. arkh. 35 no. 2:12-18 F '63.

Phonocardiography and electrocardiography in diagnosis of defects of the interventricular [illegible] summary in English]. A F. Litvinenko, [illegible] kova, Vrach. delo no. 7, 60-64 Jl '63

Simple method of phonocardiography of [illegible] fetus [with summary in English]. [illegible] Gutman, Akush. i gin. no. 9 15 18 '63.

HEART—SURGERY

Hypoxic bradycardia of the heart in artificial [illegible] tation, an experimental and clinical ex[illegible] Mikaelian, V V. Semerdzhian. Zhur eksp [illegible] 3 no. 2:25-8 '63.

Interaction of muscle relaxants and cortico[illegible] modern methods in heart surgery. V A [illegible] IA. M. Khmelevskii, [illegible] 73 '63.

Pathomorphological changes in the mitral valve [illegible] periods after commissurotomy [with summary [illegible] lish]. IA I. Rapoport and others [illegible] 17-22 N-D '62

HEART—TUMORS

Fibromyxoma of the atrium simulating [illegible] the left ventricle V M. Mirchenko, [illegible] Vrach. delo no. 9:152-153 S '63

HEART—VALVES

Hydrometry of the heart valves, on method of [illegible] topoanatomical research. I I Finkel' [illegible] no 6:106-110 N-D '62

HEART—WOUNDS AND INJURIES

A case of heart injury. I. M Marin, [illegible] Zdravookhranenie [illegible] no 2:50-51 Mr Ap '63

HEART BLOCK

Complete heart block in infectious nonspecific (rheumatoid) polyarthritis. I. B. Gordon. Vrach. delo [illegible] 143-144 Jl '63.

Unstable complete atrioventricular block [illegible] frequent Adams-Stokes attacks [illegible] Itkin. Zdravookhranenie 6 no. 5 52-51 My [illegible]

HEAT—CONDUCTION

Equations of heat conduction in heterogeneous [illegible] P. P. Zolotarev. Inzh. zhur. 3 no. 1:80 [illegible]

Heat conduction and value of the Z efficiency of [illegible] solutions in the systems $Bi_2Se_3 - Sb_2Te_3$ and $Bi_2Te_3 - Sb_2Se_3$. A. V. Ioffe, V. G. Kuzne[illegible] Palkina. Zhur. neorg. khim. 8 no. 9:2132-21[illegible]

Heat conduction problem for multilayer media [illegible] squared Green function. A. V. Ivanov. V[illegible] Sov. tr.-tekh. nav. no. 3 5-8 '63.

Heat conductivity of a two-layer system [with [illegible] English]. S. M. Kotliar. Inzh.-fiz. zhur. [illegible] 40 Ag '63.

Heat conductivity of semiprocessed chemical pr[illegible] of wood. M. I. Mashkovich, A. I. P[illegible] lesokhim. prom. 16 no. 6 22-23 '63.

Obtaining the integral solution of the nonlinear [illegible] ductivity problem for a semi-finite body. [illegible] levskii. Inzh. zhur. 3 no. 1:155-160 '63.

Solution of some stationary heat-conductivity pr[illegible] with electric analogue shape factors. M. M. [illegible] Inzh. zhur. 3 no. 1:149-154 '63.

HEAT—CONVECTION

Parametric induction of convective instability. G. Z. Gershuni, E. M. Zhukhovitskii. Prikl. mat. i [illegible] no. 5:779-783 S-O '63.

HEAT—PHYSIOLOGICAL EFFECT

Changes in the specificity of heterogenic protein [illegible] the influence of pressure and heating. G. IA. [illegible] M. M Rudashevskaia, N. D. Ul'ianova. Pat fiziol i eksp terap. 7 no. 2 69-70 Mr-Ap '63

On the mechanism of changes in vascular tissue [illegible] bility following the action of high external temperature on the organism. F. F. Sultanov. Pat. fiziol i eksp terap 7 no. 2:60 Mr-Ap '63

HEAT—RADIATION AND ABSORPTION

Measuring temperatures under 800° C by radiation. [illegible] Poskachei. TSvet. met. 36 no. 9:76-79 S '63.

Scattering of heat radiation in a polydisperse turbid medium. A. G. Blokh. Teploenergetika [illegible] no. 1 [illegible] 127 Jl-Ag '63.

HEAT—TABLES

Kollar, L V. [Heat diagram for air and combustion products] Teplovaia diagramma dlia vozdukha i produktov sgoraniia Izd. 2., perer Pod red. IA. I. Snee. Moskva, Mashgiz, 1963. 12 p. diagr.

HEAT—TRANSMISSION

Approximate computation of a nonstationary temperature field in a moving medium [with summary in English]. N. I Nikitenko. Inzh.-fiz. zhur. 6 no. 8 52-58 Ag '63.

Boundary conditions of heat transfer in turbines [with summary in English]. V. M Kapinos. Inzh.-fiz. zhur. 6 no. 8, 28-36 Ag '63.

Calculation of a thin fluidized bed with cross motion of heat-transfer agents [with summary in English]. V. A Borodulia. Inzh.-fiz. zhur. 6 no. 8 22-27 Ag '63.

Comments on M. A. Gol'dshtik's article "Heat transfer of a thin wire heated by alternating current in a transverse air flow." A. L Parnas. Inzh.-fiz. zhur. 6 no. 8:133-137 Ag '63.

Conditions of cooling and the structural characteristics of castings with internal cavities. B. L. Bogdanov. Lit. proizv. no. 8 18-20 Ag '63

Effectiveness of mixing by means of mechanical agitators under anisothermal conditions. E. Z. Chasovskii, F. F Zigmund Trudy KKHTI no 30 320-340 '62

Experimental investigation of convective heat transfer in a pulsating noncompressible-fluid flow. IU A. Sozin. Izv. vys ucheb. zav., av. tekh. 6 no. 3 87-91 '63.

Experimental study of the effect of vibration on the heat and mass transfer between a cylinder and a cone in a turbulent air flow [with summary in English]. S S. Chervlakov. Inzh.-fiz. zhur. 6 no. 8 10-14 Ag '63.

Experimental study of the thermal conditions in the operation of the heating cylinders of papermaking machines. V. I. Saunin. Trudy LTITSBP no 11:43-40 '62.

Heat transfer and hydraulic resistance in dumped packings of regenerators. N. K. Bukhin, S I. Staniovitskii khim mashinostr. no. 5:19-23 S-O '63.

Heat transfer between a packing and a fluidized bed in interstitial channels [with summary in English]. A. P. Baskakov, V. S. Vershinina. Inzh.-fiz. zhur. 6 no. 8: 3-9 Ag '63.

Intensification of heat transfer in electric fields. I. T. Aladiev, V. A. Efimov. Inzh.-fiz. zhur. 6 no. 8.125-132 Ag '63.

Limiting values of the heat transfer coefficient. P. L. Kirillov. Teplofiz. vys. temp. 1 no. 1:102-106 Jl-Ag '63.

Process of mixing by means of mechanical agitators when a certain amount of heat is being transmitted through the stirred mass. E. Z Chasovskii, F. F Zigmund. Trudy KKHTI no. 30:315-328 '62

Thermal conditions in the leading furnace of the Magnitogorsk Metallurgical Combine. A. G Trifonov, IU. B. Snegirev, E V Val'piter. Metallurg 8 no 9 16-21 S '63

Use of generalized angular coefficients in calculating radiative heat transfer. I. R. Mikk. Teplofiz. vys. temp. 1 no. 1 128-135 Jl-Ag '63.

Vsesoiuznoe soveshchanie po teplo- i massoobmenu, 1st, Minsk, 1961. [Heat and mass transfer] Teplo i massoperenos. Pod obshchei red. A. V. Lykova i B. M. Smol'skogo. Minsk, Izd-vo Akad. nauk BSSR.

Vol. 1. [Thermophysical characteristics of materials and methods for their determination] Teplofizicheskie kharakteristiki materialov i metody opredeleniia, 1962. 210 p.

Vol. 5. [Methods for calculating and modeling heat- and mass-transfer processes] Metody rascheta i modelirovaniia protsessov teplo- i massoobmena. 1963. 471 p.

HEAT CAPACITY—MEASUREMENT

Effect of gravity on measurements of heat capacity (c_v) near the critical point. V. V. Sychev, V. V. Andrianov. Teplofiz. vys. temp. 1 no. 1:50-55 Jl-Ag '63.

HEAT ENGINEERING

Intercollegiate Conference on industrial heat engineering. I. T. El'perin. Inzh.-fiz. zhur. 6 no. 8 136 Ag '63.

HEAT ENGINEERING—ABSTRACTS

[Heat engineering] Ref. zhur.: Teploenerg. nos. 9-10 S-O '63.

HEAT ENGINES

Shifrin, D. M. [Thermal-power units] Teplosilovye ustanovki. Moskva, Zagotizdat

Pt 1. 1962. 291 p.

HEAT EXCHANGERS

Anatoliev, E. A. [Heat exchangers in marine steam-power plants] Teploobmennye apparaty sudovykh parosilovykh ustanovok. Leningrad, Sudpromgiz, 1963. 194 p.

Characteristics of tubular ribbed heat exchanging surfaces. V. A. Shvarts. Energomashinostroenie 9 no. 9:22-28 S '63.

Graphic method for the check analysis of heat exchangers. N. B. Kadirov, Sh. M. Ismail-Zade. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 2:103-112 '63.

Possibility for the use of plate-type finned heat exchangers in air-fractionating apparatus. IU V. Petrovskii, V. P. Fastovskii, L. I. Rotzen. Khim. mashinostr no. 5:8-12 S-O '63.

HEAT EXCHANGERS—TESTING

Experimental investigation of heat transfer and resistance of slotted channels with an unstaggered arrangement of stamped conic grooves. I. G. Fedorov. Trudy KAI no 66 83-90 '61.

HEAT EXCHANGERS—WELDING

Radio-frequency welding of spiral stiffeners to heat-exchanger tubes P. M. Prikhod'ko. Avtom svar. 16 no. 9:82 S '63.

HEAT OF ADSORPTION

Isotherms and differential heats of adsorption of n-hexane, benzene, and carbon tetrachloride vapors on polytetrafluoroethylene (teflon) [with summary in English]. A. V. Kiselev, M. V. Serdobov Koll. zhur 25 no. 5:543-548 S-O '63.

HEAT OF DECOMPOSITION

Effective heat of decomposition of addition polymers. IU. A. Dushin. Plast. massy no. 6:11-12 '63.

HEAT OF FORMATION

Approximate calculation of the heats of formation of selenates. N. M Selivanova. Zhur. neorg khim 8 no. 9 2024-2028 S '63.

Synthesis and determination of the heats of formation of $KWCl_6$ and K_2WCl_7. N. D. Zaitseva. Zhur. neorg. khim. 8 no. 10:2365-2368 O '63.

HEAT REGENERATORS

Adjustment of a heat regenerator installed behind a heating furnace. V. I. Karev, N I. Golkin. Prom. energ. 18 no. 10:21-24 O '63.

HEAT-RESISTANT ALLOYS

Seminar on "Production methods, physical properties, and electronic structure of high-melting metals, their compounds and alloys." V. A. Petrov. Teplofiz. vys. temp. 1 no. 1 156 Jl-Ag '63.

HEAT-RESISTANT ALLOYS—HEAT TREATMENT

Levin, E. E., and E. M. Pivnik. [Progressive methods of heat treatment for heat-resistant alloys high in addition elements] Progressivnye metody termicheskoi obrabotki vysokolegirovannykh zharoprochnykh splavov. Leningrad, 1963. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Metallovedenie i termicheskaia obrabotka, no. 4)

HEAT-RESISTANT ALLOYS—METALLURGY

Effect of rare-earth elements on the properties of nickel-base heat-resistant alloys. T. V. Sysunova, G. V Estulin. Stal' 23 no 9.835-838 S '63.

HEAT-RESISTANT ALLOYS—TESTING

X-ray diffraction study of the surface layer of some heat resistant alloys after heat treatment in various gas media. V. V. Zhukov, A. A. Nilov. Trudy KAI no. 66: 111-116 '61.

HEAT TREATING FURNACES see Furnaces, Heat treating

HEATHER

Genesis of male sporangia in Gramineae and Ericaceae [with summary in English]. T B Batygina and others Bot. zhur. 48 no. 8:1108-1120 Ag '63.

HEATING

Principle of control and schematic realization of automated systems of heat supply. V. P. Nazarov. Avtomatiz. otop. kot. no. 9:97-114 '63.

Use of infrared gas radiators for heating industrial shops. D. D. Stoler. Prom. energ. 18 no. 10 15-19 O '63.

HEATING FROM CENTRAL STATIONS

Two-pulse controller of a hot water supply system. V. T. Blagikh. Energetik 11 no. 8:12-14 Ag '63.

HEATING FROM CENTRAL STATIONS—SAFETY MEASURES

Operational requirements for the safety equipment of automated heating boiler systems. V. I. Kozachok. Avtomatiz. otop. kot. no. 3 165-169 '63.

HEGEL, GEORG WILHELM FRIEDRICH, 1770-1831

Critical evaluation of neo-Hegelianism by the French Marxists. M. N. Gretskii. Vop. filos. 17 no. 8:115-124 '63.

Dialectics overcome the system; problems of literature in the aesthetic views of Hegel. I. Vertsman. Vop. lit. 7 no. 8:104-130 Ag '63.

HELICOPTERS

Investigating air flows and loads on helicopter rotor blades in a horizontal flight. V. E. Baskin and others. Inzh. zhur. 3 no. 3:446-459 '63.

HELIUM

Ionization of gases by fast atoms and singly charged helium ions [with summary in English]. E. S. Solov'ev and others. Zhur. eksp. i teor. fiz. 45 no. 3:496-502 S '63.

HELIUM ISOTOPES—ANALYSIS

Analysis of high-energy helium isotopes emitted in the interaction of protons with photoemulsion nuclei V A Kobzev and others. Trudy Inst. fiz. AN Kazakh. SSR 6:133-139 '63

HELIUM ISOTOPES—THERMODYNAMIC PROPERTIES

Equilibrium diagram for the liquid - crystal system He^3 - He^4 [with summary in English]. N. G. Berezniak, I. V. Bogoiavlenskii, B. N. Esel'son. Zhur. eksp. i teor. fiz. 45 no. 3.486-495 S '63.

HEMATOLOGY—CONGRESSES

R

Society of Surgeons of the Ukrainian S S. R. and the 11th Republic Conference on Blood Transfusion] Trudy. Kiev, Gosmedizdat USSR, 1963. 392 p. (DNLM)

HEMINS

Use of hemin and hemoglobin in media for the cultivation of Trypanosoma cruzi. N. N. Sukhareva-Nemakova. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 5 25-31 S-O '63.

HEMOGLOBIN

Use of hemin and hemoglobin in media for the cultivation of Trypanosoma cruzi. N. N. Sukhareva-Nemakova. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 5:25-34 S-O '63.

HEMOPOIETIC SYSTEM

Effect of vitamin B_{12} on the content of nucleic acids in the hematopoietic organs of irradiated animals [with summary in English] Z. I. Sheremet, L I Kazanova. Med. rad no 1 46-51 '63

Treatment of psoriasis with a complex of vitamins acting on hematopoiesis [with summary in English]. M I. Lipskaia. Vest. derm. i ven. 37 no. 2 31-36 F '63.

HEMOPOIETIC SYSTEM—DISEASES

Effect of prolonged repeated irradiation on the blood and bloodforming organs. G. D. Baisogolov. Med. rad. 7 no. 12:66-77 D '62.

HEMORRHAGE

Acid-base equilibrium in hemorrhage combined with burns [with summary in English] N V Lunina. Pat fiziol i eksp terap 7 no 1 28-31 Ja-F '63

Surgical treatment of pulmonary hemorrhages [with summary in English] I. V Agafonov. Grud. khir. 4 no. 6 72-76 N-D '62.

Use of noradrenaline in massive internal hemorrhages. F N. Kazantsev. Akush. i gin. no. 2 47-52 '63.

HEMOSPORIDIA see subdivision under Kazakhstan

HEMP BREEDING

Controlled transformation of sex in hemp. A I. Arinshtein. Vest. sel'khoz. nauki 8 no. 3 131-133 Mr '63

HEPARIN

Production of heparin. N Rukina, Z Idel'chik, G Frolova Mias. ind SSSR 34 no 4 21-22 '63.

HEPATIC ARTERY

Details of the topography of the blood vessels and hepatic ducts in the portal region of the liver [with summary in English]. M. D. Anikhanova. Vest khir 90 no 3 59-64 Mr '63.

HEPATIC ARTERY—LIGATURE

Effect of polyglucin on the survival of animals following interruption of arterial blood supply to the liver D. A Maslakov Pat fiziol. i eksp. terap 7 no. 1 78 Ja-F '63

HEPATIC VEINS

Details of the topography of the blood vessels and hepatic ducts in the portal region of the liver [with summary in English] M. D. Anikhanova. Vest. khir. 90 no 3 59-64 Mr '63

HEPATITIS, INFECTIOUS

Course of pregnancy in Botkin's disease [with summary in English]. I. P. Zhendrinskii. Akush. i gin. no. 2: 20-26 '63.

Effectiveness of hormonal preparations in the combined treatment of Botkin's disease. G. I Prosvetova, S A Tukaeva, F. S. IAkubovich Zdrav. Kazakh 23 no. 2. 44-49 '63.

HERALDRY

Kamenieseva, E. I., and N. V. Ustiugov. [Russian sphragistics and heraldry] Russkaia sfragistika i geral'dika Moskva, Gos izd-vo "Vysshaia shkola," 1963 222 p

HERBICIDES

A good monograph. L. D. Sionov. Zashch. rast. ot vred. i bol. 8 no. 9:62 S '63.

New herbicide [translated from the Slovak]. J. Synak, J. Hrnčár. Zashch. rast. ot vred. i bol. 8 no. 4:52-53 Ap '63.

719 - 838 O - 64 - 15

...ovich 1911 Y
Dialectics of the necessity and chance and the problem of planned heredity of organisms G. V. Platonov Biol. v shkole no. 3 74-79 My-Je '63.

HERNIA
Plastic surgery of ventral hernias with a preserved heterogeneous peritoneum. N. T. Elisseev. Zdrav. Kazakh. 24 no. 2 32-39 '63

HEROES
(see also subdivision under Rostov Province)
Bendetova, V. N. [Noble and ignoble people] Liudi i liudishki Moskva, Politizdat, 1963 126 p. (Vremia i liudi)

HERRINKI see subdivision under Atlantic Ocean, Kara Sea

HERTZEN, ALEKSANDR IVANOVICH, 1812-1870
The serf heroes of Herzen. V. Putintsev. Vop. lit. 7 no. 9:190-195 S '63.

HESSIAN FLIES—EXTERMINATION see subdivision under Central Chernozem Region

HETEROSIS
Biochemical basis of heterosis. P. M. Baranovskii, D. I. Garnn. Vest. sel'khoz. nauki [Kazakh.] 6 no. 7:3-6 Jl '63.

HETEROSTYLISM
Heterostylism and the possibility of developing buckwheat hybrids. A. F. Bober Visnyk sil'hosp. nauky 6 no. 9:43-48 S '63.

HEULANDITE
Study of some hydrothermal and sedimentary heulandites (with summary in English). N. V. Logvinenko, G. I. Kuleshe, S. L. Shumenko. Min. sbor. no. 16:181-184 '62.

HEXAHYDRITE see subdivision under Carpathian Mountain Region

HEXANE
Adsorption of benzene and n-hexane on silica gel from their vapor mixture (with summary in English). A. V. Kiselev, I. A. Pavlova. Kolloid. zhur. 25 no. 5:537-542 S-O '63.
Viscosity of the micelles of sunflower seed oil in hexane. V. D. Kravchenko, F. S. Omel'chenko. Masl.-zhir. prom. 29 no. 8 10-11 Ag '63.

HIDES AND SKINS
Vsesoiuznyi nauchnyi institut tekstil'noi i legkoi promyshlennosti. Fakul'tet usovershenstvovaniia inzhenerov i rukovodiashchikh rabotnikov legkoi promyshlennosti. [New findings concerning the hair and fiber structure of the skin] Novoe v stroenii volosa i volokon shersti, uchebnoe posobie dlia slushatelei fakul'teta usovershenstvovaniia inzhenerov i rukovodiashchikh rabotnikov legkoi promyshlennosti. Moskva, 1962 15 p
[MICROFILM]

HIGH-PRESSURE RESEARCH
Photoconductivity of sulfur single crystals at high hydrostatic pressures. N. A. Tikhomirova, V. M. Fridkin Fiz. tver. tela 5 no. 9:2709-2711 S '63.

HIGH SPEED AERONAUTICS
Hypersonic aircraft with a self-balancing surface. E. V. Bulygina, L. T. Iakubo. Izv. vys. uchob. zav., av. tekh. 6 no. 3:3-10 '63.

HIGHER EDUCATION see Education, Higher

HIGHWAY TRANSPORT WORKERS
(see also subdivision under Moscow)
Man is educated by a team. Kh. Ziganshin. Avt. dor. 26 no. 9:13 S '63.
Training specialists. Avt. transp. 41 no. 10:43-46 O '63.

HILBERT SPACE
A class of iterative methods in Hilbert space [with summary in German]. S. Ulm. Izv. AN Est. SSR. Ser. fiz.-mat. i tekh. nauk 12 no. 2:132-140 '63.
Runge-Kutta type methods for solving nonlinear equations in Hilbert space [with summary in German]. I. Petersen. Izv. AN Est. SSR. Ser. fiz.-mat. i tekh. nauk 12 no. 2:123-131 '63.

HINDUS see subdivision under South Africa, Republic of

HIP JOINT—DISLOCATION
Two-stage resection and reposition in congenital hip dislocation. L. K. Zakrevsky. Ortop., travm. i protez. 24 no. 2:33-38 F '63.

HIP JOINT—SURGERY
Hip osteotomy in melorheostosis. M. B. Baloban, L. N. Yakunina. Ortop., travm. i protez. 24 no. 2:86-88 F '63.
Morphological changes in the hip joint following an experimental surgical deepening of the acetabulum. V. K. Rakov. Ortop., travm. i protez. 24 no. 2:27-32 F '63.
Surgical treatment of tuberculous coxitis and its sequelae. K. A. Pal'gov Zdrav. Kazakh 23 no. 2:34-37 '63.
Two-stage resection and reposition in congenital hip dislocation. L. K. Zakrevsky Ortop., travm. i protez 24 no. 2 33-38 F '63

HIP JOINT—TUBERCULOSIS
Surgical treatment of tuberculous coxitis and its sequelae. K. A. Pal'gov. Zdrav. Kazakh 23 no. 2 34-37 '63.

HISTAMINE
Effect of dimedrol on the development of Burnet's allergic test. A. A. Tuturov. Izv. AN Kazakh. SSR Ser. med. nauk no. 2 81-84 '63

HISTOCHEMISTRY
Concentration of glucose in different humoral media and glycogen in the liver and muscles of normal dogs. V. A. Bernshtein Izv. AN Kazakh. SSR. Ser. med. nauk no. 1, 28-31 '63.
"Light" cells of the thyroid gland. M. P. Gorbunova. Dokl. AN SSSR 151 no. 6:1441-1443 Ag '63.

HISTOLOGY—LABORATORY MANUALS
Katsnel'son, Z. S., and I. D. Rikhter. [Laboratory manual on histology and embryology] Praktikum po gistologii i embriologii. Leningrad, Medgiz, 1963. 279 p.

HISTORIANS, JAPANESE
Progressive scholars are struggling for peace. S. L. Budkevich. Vop. ist. 38 no. 9:177-178 S '63.

HISTORICAL FICTION
True principle and annoying infringements. G. Makarovskaia. Vop. lit. 7 no. 8 183-187 Ag '63.

HISTORICAL RESEARCH
(see also subdivision under Cuba, Lvov, Sumy Province; Transcarpathia; Ukraine)
Kazhdan, A. P. [In search of bygone centuries] V poiskakh minuvshikh stoletii Moskva, Detgiz, 1963 204 p. (Shkol'naia biblioteka)
Toward the further development of Soviet historical science. Vest. Mosk. un. Ser. 9:Ist, 18 no. 2 3-19 Mi-Ap '63.

HISTORY
Brief notes. Vop. ist. 38 no. 9:104-108 S '63.

HISTORY—BIBLIOGRAPHY see Bibliography—History

HISTORY—CURIOSA AND MISCELLANY
An equation with twenty unknown quantities Arkadii Vekaberg. Znan.-sila 38 no. 7:36-39 Jl '63.

HISTORY—PHILOSOPHY
Critical evaluation of the concept of parallel civilizations E. S. Markarian. Vop. filos. 17 no. 8:48-57 '63.
An effort to meet the greatest demands. I. S. Kon, L. S. Pavlov, A. G. Kharchev. Vop. filos. 17 no. 8:167-169 '63.
Neopositivism and the logic of historical science (with summary in English, p. 221). I. S. Kon. Vop. ist. 38 no. 9:45-65 S '63.

HISTORY—POPULAR WORKS
Role of popular works in the dissemination of historical knowledge [with summary in English, p. 220]. V. Z. Drobizhev, Iu. S. Kukushkin. Vop. ist. 38 no. 9:3-14 S '63.

HISTORY—STUDY AND TEACHING
Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut obshchego i politekhnicheskogo obrazovaniia. [Teaching history in senior grades] Opyt prepodavaniia istorii v starshikh klassakh. Pod red. R. E. Kantora i S. S. Kovalenko. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 156 p. (Pedagogicheskie chteniia)
Lerner, I. IA. [Contents and methods of teaching history in the grades five and six of evening (staggered) schools] Soderzhanie i metody obucheniia istorii v V-VI klassakh vechernei (smennoi) shkoly. Moskva, Izd-vo APN RSFSR, 1963. 391 p. (Pedagogicheskaia biblioteka uchitelia)
Let's organize a history lesson rationally and efficiently. T. S. Golubeva. Nach. shkola 31 no. 9:57-64 '63.
The use of cybernetics in historical studies O. T. Holodniak, M. B. Morozov. Ukr. ist. zhur. 7 no 4:94-98 Jl-Ag '63

HISTORY, ANCIENT
Soviet studies devoted to the rural communes of the ancient East. I. M. Diakonov. Vest. drev. ist. no. 1:16-34 '63.
Vinogradov, V. V. [Role of the masses in the history of the ancient world] Rol' narodnykh mass v istorii drevnego mira; posobie dlia uchitelia. Moskva, Uchpedgiz, 1963. 122 p.

HISTORY, MODERN
Gromyko, A. A., and others, eds. [History of diplomacy] Istoriia diplomatii. Izd. 2., perer. i dop. Moskva, Gospolitizdat.
Vol. 2. [Diplomacy in the modern period, 1871-1914] Diplomatiia v novoe vremia, 1871-1914. Avtor toma V. M. Khvostov 1963. 820 p

HLIBOV, LEONID IVANOVYCH, 1827-1893
Leonid Hlibov and Ivan Andriushchenko, a member of the "Land and Liberty" Party (conclusion) M. P. Syvachenko. Rad. lit. 7 no. 4,66-78 Jl-Ag '63.
Leonid Hlibov and Ivan Andriushchenko, a member of the "Land and liberty" underground organization M. P. Syvachenko Rad. lit. 7 no 3:52-63 My-Je '63

HOCKEY
Al'metov on the ice. G. Granaturov. Starsh.-serzh no 5:36 My '63
The army men are ready for the hockey battle. A. Tarasov. Voen. vest. 42 no. 11:124-127 N '62.

HODGKIN'S DISEASE
Kurdyballo, F. V. [Lymphogranulomatosis] Limfogranulomatoz. [Leningrad] Medgiz, 1961. 146 p (City-M)
Lymphogranulomatosis with primary localization in the orbits. Iu. V. Babkardin. Vrach. delo no. 9:150-152 S '63

HOG CHOLERA—PREVENTIVE INOCULATION
(see also subdivision under Soviet Far East)
Immunization of pigs against plague and erysipelas by a mixture of two vaccines. V. I. Antonenko. Veterinariia 39 no. 11 46-47 N '62.

HOISTING MACHINERY
Automation of hoisting and conveying equipment. N. I. Erofeev. Mekh. i avtom. proizv. 17 no. 8:53-55 Ag '63.
Hoisting devices for easing the work of repair mechanics. E. M. Sheingold. Mashinostroitel' no. 9:20-22 S '63
Vibratory screw hoist. V. A. Povidailo, V. A. Shchigel'. Mekh. i avtom. proizv. 17 no. 8:41-42 Ag '63.

HOME
This is what being in love means.... V. Karbovskaia. Sov. Kiras. krest 13 no. 2 21-25 Mi-Ap '63.

HOME AND SCHOOL
About our profession. A. Alekhina. Doshk. vosp. 36 no. 7:100 Jl '63.
Conference of parents. S. Holtdberh. Doshk. vykh. 24 no. 5.47 My '63.
Creative discussions are the main feature of a debate. E. Savich and others. Doshk vosp. 36 no 8:58-75 Ag '63.
Everyone should be approached individually. A. Kolesova. Sem'ia i shkola 18 no. 8 2-4 S '63.
First parents' conferences. T. Percvezentseva. Doshk. vosp. 36 no. 7:91-92 Jl '63.
Friend and family adviser. Doshk. vosp. 36 no. 7:5-8 Jl '63.
How to overcome the psychology of a "C" student? L. Ruvinskii. Sem'ia i shkola 18 no. 9 4-5 S '63.
Joint task of family and school V. Pilipenko. Shkola-int. no. 4:32-33 Jl-Ag '63.
Let's prepare children for the fifth grade. M. Stepanova. Sem'ia i shkola 18 no. 8:8-10 Ag '63.
Motion pictures in working with parents. A. Balashkina Doshk. vosp 36 no. 8:76 Ag '63.
School work of students. A. Lipkina. Sem'ia i shkola 18 no. 9:16, 45-46 S '63.
Summer vacations. Kh. Akhtamzian. Doshk. vosp. 36 no. 8 17-19 Ag '63.
There was an interesting conversation. Sem'ia i shkola 18 no. 8:5 Ag '63.
Two meetings and two poles. A. Vigovskii. Sem'ia i shkola 18 no. 5:33-34 My '63.
We continue our discussion. I. Shinkarenko and others. Doshk. vosp. 36 no. 9:47-71 S '63.

HOME ECONOMICS
[For you, newlyweds] Dlia vas, molodozheny. Moskva, Gos. izd-vo torgovoi literatury, 1963. 159 p (Dlia doma, dlia sem'i)
Little tricks. Nauka i zhizn' 30 no. 9:54 S '63.

HOME NURSING
(see also subdivision under Chernukha District; Moscow Province)
Organization of "a hospital in the home." S. M. Epshtein Zdrav. Ros. Feder. 7 no 9 19-20 S '63
Result of organizing children's "hospitals in the home" V. V. Kotenko. Zdrav. Ros. Feder. 7 no. 9.14-16 S '63.

HONCHAR, OLEKSANDR TERENTIOVYCH, 1918-
The voice of life. Iu. S. Burlai. Rad. lit. 7 no. 5:3-12 S-O '63.

HONEY PLANTS see subdivision under Samgora region

HOP BREEDING see subdivision under Ukraine

HOPPERS—TESTING
Calculation of walls of prestressed concrete hoppers for strength and rigidity. L. P. Zhdakhin, F. I. Vilen. Shor. trud. NII po stroi. ASiA [Sverd.] no. 8:100-114 '63.

HOPS
(see also subdivision under Zhitomir Province)

Ascorbic acid and glutathione in young hop plants. IU. V. Karabanov. Nauk. pratsi Ukr. dosl. sta. khmel. no. 5 65-76 '61.

Effect of manganese on the yield and physiological activity of the leaves of the tops in young hop plants. IU. V. Karabanov. Nauk. pratsi Ukr. dosl sta. khmel. no 5 77-81 '61.

Foliar feeding of hops. V. M. Bondarenko. Nauk pratsi Ukr dosl. sta. khmel no 5 33-54 '61.

Using stimulating substances in hop growing P. F. Marakulin Nauk pratsi Ukr. dosl. sta khmel no. 5:59-64 '61.

HOPS—DISEASES AND PESTS
(see also subdivision under Chuvashia)

New means and measures for controlling hop pests. A. I. Melenevs'kyi. Nauk. pratsi Ukr. dosl. sta. khmel. no. 5:85-95 '61

Pseudoperonospora humuli Wils. A. A. Komarova. Nauk pratsi Ukr. dosl. sta. khmel. no. 5:95-113 '61.

HOPS—FERTILIZERS AND MANURES
(see also subdivision under Polesye, Zhitomir Province)

Methods for the placement of fertilizers for hops P F Marakulin Nauk. pratsi Ukr. dosl. sta. khmel. no. 5, 55-58 '61.

HOPS—VARIETIES
(see also subdivision under Zhitomir Province)

Results of studying the collection of hop varieties. D. A. Barbuzova. Nauk. pratsi Ukr. dosl. sta khmel. no. 5-3-8 '61.

HORMONES, SEX

Characteristics of the effect of sex steroid hormones on systemic motor conditioned reflexes in patients with climacteric syndrome. E. M. Vikhliaeva, IU. F. Zmanovskii. Akush. i gin. no. 2:59-65 '63.

Electrophoretic spectrum of blood serum proteins in the process of malignant degeneration under the influence of sex hormones [with summary in English]. E. P. Sidorik. Vrach. delo no. 7:83-86 Jl '63.

HORSES

Immunization reactivity in horses immunized with a diphtherial anatoxin, effect of pilocarpine on the development of antitoxin in horses. A. N. Nikol'skii and others. Trudy TashNIIVS 5 139-144 '62

Study of immunization reactivity in horses immunized with a diphtherial anatoxin; preparation of horses for the production of diphtheria serum at an early age. A. N. Nikol'skii and others. Trudy TashNIIVS 5:145-148 '62.

HOSIERY

New developments in the technology of manufacturing multicolored knit socks. M. F. Medvedev. Tekst. prom. 23 no. 9:67-69 S '63.

HOSPITAL CARE see subdivision under Kalinin Province

HOSPITALS see subdivision under Moscow

HOSPITALS—LIGHTING

Electric lighting of hospital beds. E. B. Sheftel'. Svetotekhnika 9 no. 9:1-8 S '63.

HOSPITALS—OUTPATIENT SERVICES
(see also subdivision under Armavir; Odessa)

Dispensary service for patients with peptic ulcers of the stomach and the duodenum. A. M. Rozovskii. Med. sestra 23 no. 9:51-53 S '63.

Some forms of dispensary care. A. N. Pokrovskaia. Zdrav. Ros. Feder. 7 no. 8 33-35 Ag '63.

HOSPITALS, GYNECOLOGIC AND OBSTETRIC see subdivision under Ryazan Province

HOURS OF LABOR

Editor's mail. Okhr. truda i sots. strakh. 6 no. 9:40-42 S '63.

HOUSING
(see also subdivision under Ishimbay; Kiev; Moscow; Rostov)

Story of a partition. E. Blekher. Sov. deput. trud. no. 8:84-86 Je '63.

HOUSING—FINANCE

Communal housing and services should not be unprofitable. I. V. Firulin. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7:23-24 Jl '63.

HOUSING—LAW AND LEGISLATION

Must industrial enterprises give to the executive committees of settlement soviets ten per cent of their residential buildings? Sov. deput. trud. no. 9:86 S '63.

There is no reason to investigate such cases in courts. P. TSelenko. Sov. iust. no. 16:25 Ag '63.

We should enact new housing laws for rural areas. I. Pozubenko. Sov. iust. no. 16:9 Ag '63.

HOUSING, COOPERATIVE see subdivision under Ukraine

HREBINKA, IEVHEN PAVLOVYCH, 1812-1848

First book about IE. Hrebinka. P. I. Ortyk, P. P. Khropko. Rad. lit. 7 no. 4 138-140 Jl-Ag '63.

Zubkov, S. D. [IEvhen Pavlovych Hrebinka; his life and works] IEvhen Pavlovych Hrebinka; zhyttia i tvorchist' Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962, 209 p. (NN)

HREBINKA, IEVHEN PAVLOVYCH, 1812-1848—MUSEUMS, RELICS, ETC.

Memorial rooms in Poltava Province P. P. Rotach. Rad. lit. 7 no. 3:155 My-Je '63

HUBENKO, PAVLO MYKHAILOVYCH, 1889-1956

Maiakovskii and Ostap Vyshnia. B M Minchyn. Rad. lit 7 no. 4,17-29 Jl-Ag '63.

HUFELAND, CHRISTOPH WILHELM, 1762-1836

Christoph Wilhelm Hufeland (1762-1836), on the 200th anniversary of his birth. IU A Shilinis. Ter. arkh. 35 no. 2 105-110 F '63.

HULLS (NAVAL ARCHITECTURE)

Catamarans. S. Danilichev. Rech. transp. 22 no. 9:56 S '63.

Overall mechanization of ship hull building. IU. Kulik. Rech. transp. 22 no. 9 25-26 S '63.

HUMAN ENGINEERING—BIBLIOGRAPHY see Bibliography—Human engineering

HUMERUS—FRACTURE

Apparatus for bone fragments of the humerus A N. Gerasimov. Ortop., travm i protez no. 1, 75 '63

Posterior dislocation of the shoulder combined with fracture of the anatomical neck in electrical trauma. E. T. Skliarenko Ortop., travm. i protez no 1 85-87 '63

HUMUS
(see also subdivision under Nile Valley)

Effect of soil composition on the development of the traits of winter-hardiness in winter wheat T. E. Dan'shin. Vest. sel'khoz. nauki 8 no. 3:93-95 Mr '63

HUNGARY—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

Notes on housing construction in Hungary. V. Simbirtsev. Arkhit. SSSR no. 5:49-57 '63.

HUNGARY—BONUS SYSTEM

Practice in using material incentives in the Hungarian industry. Bela Bagota. Plan. khoz. 40 no. 10:66-71 O '63.

HUNGARY—CARNIVAL

The charm of the Hungarian carnival. Gyula Krudy. Zhen. mira no. 2:25 '63.

HUNGARY—CEMENT INDUSTRIES

The Danube Cement Combine [is operating] György Novák. Mol. komm. no. 8 103-105 Je '63.

HUNGARY—COMMUNIST PARTY

Visiting the Hungarian communists. E. Bugaev, N. Lomakin. Part. zhizn' no. 18:66-72 S '63.

HUNGARY—ECONOMIC CONDITIONS

Visiting the Hungarian communists. E. Bugaev, N. Lomakin. Part. zhizn' no. 18:66-72 S '63.

HUNGARY—EDUCATION

Work of educators in People's Hungary. V. V. Homonnai Sov. pedag. 27 no. 8 101-109 Ag '63.

HUNGARY—EDUCATION, PRESCHOOL

Meetings with friends. Doshk. vosp. 36 no. 8 100-101 Ag '63.

HUNGARY—INDUSTRIAL MANAGEMENT

Practice in using material incentives in the Hungarian industry. Bela Bagota. Plan. khoz. 40 no. 10 66-71 O '63.

HUNGARY—JOURNALISM

Fascinating profession. Pál Gombó. Sov. pech. no. 10: 53-56 O '63.

Tradition and modernity. N. Siklósi. Sov. pech. no. 10: 51-53 O '63.

HUNGARY—LABOR AND LABORING CLASSES

Results and prospects. Leonard Budzynski. Vsem. prof. dvizh. no. 7/8:30-34 Jl-Ag '63.

HUNGARY—PHOTOGRAPHY

With amateur Hungarian photographers. Sov. foto 23 no. 5:45 My '63.

HUNGARY—RELATIONS (GENERAL) WITH RUSSIA

Meetings with friends. Doshk. vosp. 36 no. 8:100-101 Ag '63.

HUNGARY—SPORTS

Defense society of People's Hungary. Gyula Uszta. Voen. znan. 39 no. 9:21-22 S '63.

HUNGARY—TRADE UNIONS—CONGRESSES

Results and prospects Leonard Budzynski. Vsem. prof. dvizh. no. 7/8 30-34 Jl-Ag '63.

HUNTING

Danilov, D. N. [Hunting in the U. S. S. R.; productivity of hunting grounds] Okhotnich'e khoziaistvo SSSR; produktivnost' okhotnich'ikh ugodii. Moskva, Goslesbumizdat, 1963. 370 p.

HYACINTHS see subdivision under Alma-Ata

HYALURONIDASE

Hyaluronidase at different stages of the life cycle of Ichthyophthirius multifiliis. A. V. Uspenskaia. Dokl. AN SSSR 151 no. 6,1176-1178 Ag '63.

Treatment of adhesive otitis with lidase [with summary in English]. M. N. Strota. Zhur. ush., nos. i gorl. bol. 23 no. 4:51-54 Jl-Ag '63.

Use of monomycin with prednisolone and monomycin with lidase in some obstetrical and gynecological diseases. S. M. Gorbenko Zdravookhranenie 6 no 2 22-24 Mr-Ap '63

HYBRID CORN
(see also subdivision under Polesye)

Biochemical basis of heterosis. P. M. Baranovskii, E. I. Garms. Vest. sel'khoz. nauki [Kazakh.] 6 no. 7:3-6 Jl '63.

Sexual hybridization of genetically remote forms of corn. S. I. Bairakimov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 7:33-37 Jl '63.

HYBRIDIZATION, VEGETABLE

Moscow. Glavnyi botanicheskii sad. [Hybrids of remote crossings and polyploids] Gibridy otdalennykh skreshchivanii i poliploidy. Moskva, Izd-vo Akad nauk SSSR, 1963 202 p. (DNAL)

HYDATIDS see subdivision under Siberia, Western

HYDRATES

Cocrystallization of argon crystal hydrate with silane and methane crystal hydrates. E. K. Gerling, T. V. Kol'tsova. Radiokhimiia 5 no. 3:277-283 '63.

HYDRATION

Effect of gypsum on the hydration and hydration hardening of calcium oxide [with summary in English]. S. I. Kontorovich, E. E. Segalova, P. A. Rebinder. Koll. zhur. 25 no. 5:561-565 S-O '63.

Kinetics of the hydration of lime in sand-lime mixtures. P. P. Budnikov, P. M. Zil'berfarb. Stroi. mat. 9 no. 9 36-39 S '63.

On pseudoforms of hydration of binders observed by the electron microscope [with summary in English]. M. I. Strelkov, Z. P. Chumak. Dop. AN URSR no. 8:1076-1080 '63.

HYDRAULIC CONTROL

Precision of the machining on lathes with a hydraulic profiling slide. N. I. Uskov. Trudy Stud. nauch. ob-va LIEI no. 3:5-12 '59.

HYDRAULIC CONVEYING

Analysis of the operation of a hydraulic rock conveying apparatus in the 19th Party Congress Mine No. 1 of the Leninugol' Trust. A. IA. Polosukhin. Mekh. i avtom. v gor. prom. no. 3,197-203 '63.

Effect of some parameters on the crushing of anthracite in hydraulic conveying. V. V. Trainis, E. G. Rukov. Mekh. i avtom. v gor. prom. no. 3:209-221 '63.

Operating conditions of chamber feeders. E. K. Reshetnev. Mekh. i avtom. v gor. prom. no. 3,203-209 '63.

Pipeline hydraulic conveying of minerals in containers. P. M. Shilov, E. F. Ogarkov. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 8:81-87 '63.

Study of industrial types of spiral feeders. I. N. Darykin. Mekh. i avtom. v gor. prom. no. 3:221-231 '63.

Study of the resistance to movement and the speed of the suspension of particles in an ascending flow. G. S Fishchuk. Izv. vys. ucheb. zav.; gor. zhur. 6 no 3:80-83 '63.

X-ray properties of finely dispersed hydraulic mixtures of some ores. A. P. Korshunov. Nauch. soob. IGD 20: 129-136 '63.

HYDRAULIC CONVEYING—EQUIPMENT AND SUPPLIES

Moscow. Institut gornogo dela imeni A. A. Skochinskogo. [Loaders for high-pressure hydraulic transportation of loose materials] Zagruzochnye apparaty dlia vysokonapornogo gidravlicheskogo transporta sypuchikh materialov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 181 p.

HYDRAULIC ENGINEERING
(see also subdivision under Kama Valley)

Building approach canals to industrial enterprises. E. D. Buchin, V. D. Balashov. Rech. transp. 22 no. 9,23-24 S '63.

Hydraulic fill of narrow profile dams and small dikes in agricultural construction. B. M. Shkundin. Mekh. stroi. 20 no. 10:26-28 O '63.

Study of the winter condition of rivers in waterpower surveying. L. M. Margolin. Meteor. i gidrol. no. 9: 57-58 S '63.

HYDRAULIC FILLS

[illegible] 41 [illegible] 24-30 O '63

HYDRAULIC MACHINERY

[illegible] V. D. [illegible] Mekhanizatsiya i [illegible] 31 '63

HYDRAULIC MACHINERY—TESTING

Lisenko, A. S. [Electric investigation of the cavitation of hydraulic machinery] Ul'trazvukovoi metod issledovaniia kavitatsii gidravlicheskikh mashin, stenogramma lektsii. Leningrad, 1963. 32 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Elektricheskie mashiny, apparaty i materialy.)

HYDRAULIC MINING

[Improving underground drainage methods in hydraulic mining] Sovershenstvovanie sposobov provetrivaniia vyrabotok gidrodobychi [By] E. S. Klepa and others. Moskva, Izd-vo Min. chern. met. SSSR, 1963. 156 p.

Maslennikov, N. P. [Concise handbook for hydraulic operators] Kratkii spravochnik gidromekhanizatora. [Permskoe] Kn. redaktsionno-izdatel'skoe izd-vo, 1963. 179 p.

Shumskoi, S. M. [Working placer deposits and the principles of planning] Razrabotka rossypnykh mestorozhdenii i osnovy proektirovaniia. Moskva, Gosgortekhizdat, 1963. 764 p.

[illegible] of the results of a seismic survey to determine the [illegible] in dredging placer deposits. G. A. Krotov, [illegible] Nauch. zap. gor. zhur. 6, no. 3, 39-46 '63.

HYDRAULIC MINING—ACCOUNTING

Improving the use of turnover funds in converting to hydraulic mining. F. I. Protsai, A. D. Ogienko. Izv. vys. ucheb. zav., gor. zhur. 6, no. 3, 47-51 '63.

HYDRAULIC MINING—EQUIPMENT AND SUPPLIES

Selection of the optimum length of a hydraulic giant nozzle. Iu. I. Udalykh. Trudy NPI 137, 89-93 '62.

Using high-speed impulse jets to cut rock. Iu. G. Koniashin, G. M. Ver[illegible]. Nauch. soob. IGD 20, 106-108 '63.

HYDRAULIC PRESSES

Automatic pressing of metal powders with a hydraulic press. G. S. Pronikin, N. D. Korenko. Avt. prom. 29, no. 10, 27-30 O '63.

HYDRAULIC STRUCTURES

[Album of new construction equipment, recommended for use] Al'bom novoi stroitel'noi tekhniki, rekomenduemoi k vnedreniiu. Moskva, Gosstroizdat.

No. 2. [Construction of power engineering structures. Electrical engineering structures] Energeticheskoe stroitel'stvo. Elektrotekhnicheskie raboty. 1963. 111 p.

Dubrova, G. A. [Interaction of ground and structures; calculation of noncohesive ground loads on hydraulic structures, taking deformations into consideration] Vzaimodeistvie grunta i sooruzhenii, raschety nagruzok ot nesvlaznykh gruntov na gidrotekhnicheskie sooruzheniia s uchetom deformatsii. Moskva, Izd-vo "Rechnoi transport," 1963. 218 p.

[illegible] thermotechnical calculations for conjugating structures [with summary in English]. I. V. Vasil'eva. Izv. TSKHA no. 3, 191-197 '63.

HYDRAULIC TURBINES

Approximate calculation of the frequencies of self-oscillations of the runners of Francis-type hydraulic turbines. A. IA. Aronson, M. M. Mishin, D. S. Moskvin. Energomashinostroenie 9, no. 10, 5-7 O '63.

Determination of rated conditions for the choice of the oil pressure systems of hydraulic turbines. N. N. Rogot', T. F. Pipko, M. I. Rivlin. Energomashinostroenie 9, no. 10, 11-12 O '63.

Experience in the operation of the turbine equipment in the V. I. Lenin Volga Hydroelectric Power Station. E. P. Shtern. Energomashinostroenie 9, no. 10, 24-27 O '63.

Moment of rotation of hydraulic turbines working under transient conditions. K. Kh. Ovsepian. Izv. AN Arm. SSR, Ser. tekh. nauk 16, no. 4, 31-40 '63.

HYDRAULICS

Distribution of hydrodynamic pressure on the bottom behind the bucket damper of a spillway [with summary in English]. A. V. Tsymbal'yuk. Dop. AN URSR no. 8, 1026-1030 '64.

Relationship between the coefficient of hydraulic resistance and the Reynolds parameter during flow. S. A. Abdurashitov, A. I. Abdulvagabov. Izv. vys. ucheb. zav., neft' i gaz 4, no. 3, 31-37 '61.

Some problems of the transitional processes of the liquid updraft at the expense of its inertia. E. E. Belan. Trudy MHT no. 36, 4-30 '62.

HYDRAZINES

2-Thienylhydrazine. G. V. Shishkin, V. P. Mamaev. Izv. Sib. otd. AN SSSR no. 2, 112-113 '62.

HYDROCARBONS

Achievements in the production of aromatic hydrocarbons and prospects of its development. R. G. Ivanov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9, 19-21 '63.

Effect of the structure of hydrocarbon radicals on the anticorrosion properties of sulfur- and phosphorus-containing additives. V. S. Demchenko. Khim. i tekh. topl. i masel 8, no. 2, 46-48 F '63.

Extraction of aromatic hydrocarbons with sulfolane. I. S. Vol'fson and others. Khim. i tekh. topl. i masel 8, no. 2, 6-9 F '63.

High-temperature flameless oxidation of hydrocarbons as a means of obtaining olefinic monomers. S. F. Vasil'ev, N. A. Lapides, A. M. Mosin. Khim. i tekh. topl. i masel 8, no. 2, 10-14 F '63.

Oxidation of naphthenic hydrocarbons. P. G. Igonin and others. Neftepererab. i neftekhim. no. 1, 17-19 '63.

Quantitative estimation of the "carbonization hydrocarbons" of organic matter in rocks. A. K. Karimov. Uzb. geol. zhur. 7, no. 4, 10-17 '63.

Solubility of hydrocarbons in heavy water. A. N. Guseva, E. I. Parno. Radiokhimiia 5, no. 4, 507-509 '63.

Sulfonation of alkyl aromatic hydrocarbons. S. I. Faingol'd, M. I. Kozev, T. V. Tomson. Masl.-zhir. prom. 29, no. 9, 23-26 S '63.

HYDROCARBONS—ABSORPTION SPECTRA

Quantitative determination of some aromatic hydrocarbons from their ultraviolet absorption spectra. A. G. Siriuk, K. I. Zimina. Khim. i tekh. topl. i masel 8, no. 2, 52-56 F '63.

HYDROCARBONS—TESTING

Methods for testing aromatic hydrocarbons. G. E. Gavrilova. Standartizatsiia 27, no. 9, 39 S '63.

HYDROCHLORIC ACID

Demixing in the system HCl - H_2O - tri-n-butyl phosphate-diluent. E. M. Indikov and others. Zhur. neorg. khim. 8, no. 9, 2187-2189 S '63.

Interaction in the system tri-n-butylphosphine oxide - hydrochloric acid. G. P. Nikitina, M. F. Pushlenkov. Radiokhimiia 5, no. 4, 445-456 '63.

Use of gaseous hydrogen chloride for fat destruction. Iu. L. Pogosov. Gidroliz. i lesokhim. prom. 16, no. 6, 18-19 '63.

HYDROCHLORIC ACID—THERAPEUTIC USE

Treatment of myiasis linearis with hyposulfite and hydrochloric acid by the M. P. Dem'ianovich method. A. V. Dub. Vest. derm. i ven. 37, no. 2, 83-84 F '63.

HYDRODYNAMICS

Critical heat loads in a slow flow of underheated water past a tube in a square channel [with summary in English]. B. A. Zenkevich, O. V. Remizov. Inzh.-fiz. zhur. 6, no. 8, 112-115 Ag '63.

Effect of the conductivity of the wall on resistance to the motion of liquid metal along a round pipe in a magnetic field. N. M. Turchin. Teploiz. vys. temp. 1, no. 1, 118-120, 31-Ag '63.

Investigating the spectrum of the sound pressure in a rotary apparatus. A. A. Baram, O. A. Kokushkin. Trudy LTITSBP no. 11, 209-211 '62.

Motion of a viscous fluid between two rotating spheres. Iu. G. Ovseenko. Izv. vys. ucheb. zav.; mat. no. 4, 129-139 '63.

Nonlinear formulation of certain self-modeling problems concerning the motion of an incompressible liquid with a free surface. Z. N. Dobrovol'skaia. Prikl. mat. i mekh. 27, no. 5, 903-909 S-O '63.

Parametric induction of convective instability. G. Z. Gershuni, E. M. Zhukhovitskii. Prikl. mat. i mekh. 27, no. 5, 779-783 S-O '63.

Using the semi-inverse method in studying symmetrical flows in channels. St. I. Gheorghita. Inzh. zhur. 3, no. 1, 154-158 '63.

Vibration of a body above the interface of two liquids. V. S. Voitsenia. Prikl. mat. i mekh. 27, no. 5, 910-917 S-O '63.

Vortex near a free surface. M. I. Gurevich. Prikl. mat. i mekh. 27, no. 5, 899-902 S-O '63.

HYDROELECTRIC POWER STATIONS

(see also subdivision under Siberia, see also Bhakra-Nangal Hydroelectric Power Station, Bratsk Hydroelectric Power Station, Kegums Hydroelectric Power Station; Krasnoyarsk Hydroelectric Power Station)

Algorithm for calculating the annual operation of a cascade of hydroelectric power stations using a digital computer. B. I. Nikitin and others. Obshch. energ. no. 6, 30-38 '63.

"Belyi ugol'"; 60th anniversary of the first Russian hydroelectric power station. Iu. A. Aleksandrov. Elek. sta. 34, no. 9, 95-96 S '63.

Choice of an optimum number of working units in hydroelectric power stations and principles of the construction of an automatic operator. V. L. Fedorov. Elektrichestvo no. 8, 18-21 Ag '63.

Eristov, V. S., ed. [Design and construction of hydraulic tunnels and underground hydroelectric power stations] Proektirovanie i sooruzhenie gidrotekhnicheskikh tunnelei i podzemnykh GES, materialy soveshchaniia. Moskva, Gosenergoizdat, 1963. 231 p.

Hydroelectric power stations and [illegible] fishes. A. M. Arshavs[illegible]. Zool. zh. [illegible] Mi[illegible] '63.

Moscow. Vsesoiuznyi institut po proektirovaniiu zavodskikh energeticheskogo stroitel'stva. [Piling operations in the construction of power stations] Shpuntovye raboty pri stroitel'stve gidroelektrostantsii. Moskva, [illegible] 39 p. (Iz opyta energeticheskogo [illegible] [illegible]

Obriezkov, V. I. [Use of computers [illegible] electric power plant calculations] Pri[illegible] tel'not tekhniki v gidroenergetike. [illegible] Moskva, Gosenergoizdat, 1964. [illegible]

Results of laboratory studies of [illegible] pipes with vertical axial pumps. K. [illegible] Kotenev. Trudy NPI 138, 19-46 '63.

Zentsov, A. S. [Geology in the [illegible] hydroelectric power stations and [illegible] zita pri stroitel'stve krupnykh gidrouzlov i tunnelei, iz opyta rabot. Moskva, [illegible] 1963. 223 p.

HYDROFOIL BOATS

Carry out without hesitation nightlife [illegible] winged ships. M. Platonov. [illegible] 54 S '64.

HYDROGEN BONDING

Temperature dependence of the band [illegible] gen bonds in Raman spectra of [illegible] salt crystals. E. V. Chisler. [illegible] 2455-2460 S '63.

HYDROGEN-ION CONCENTRATION

Effect of pH on the sorption of Co[illegible] nikov, V. F. Orekhko. Radiokhimiia [illegible] '64.

Effect of the pH of drilling fluids on th[illegible] adsorption potentials. E. M. Mirzoeva [illegible] MINKhiGP no. 41, 81-87 '64.

Results of laboratory determination of [illegible] oils. E. M. Mirzoeva, Kh. [illegible] no. 41, 88-92 '64.

HYDROGEN ISOTOPES—SPECTRA

Calculation of absolute intensities and [illegible] the Raman spectra of methane and [illegible] isotopes in the gaseous phase. N. I. [illegible] Sverdlov. Opt. i spektr. 16, no. 4, [illegible]

HYDROGEN PEROXIDE

Effect of the sulfur present in active [illegible] rate of decomposition of hydrogen p[illegible] garil, E. I. Alenova. Kinetika i [illegible] '63.

Nature of surface platinum oxides [illegible] anode discharge of hydrogen peroxide. V. A. Lamenok-Burmakina. Dokl. AN [illegible] 1358-1359 Ag '64.

State of tantalum (V) in solutions of [illegible] hydrofluoric acids, and hydrogen [illegible] bivanets. Zhur. neorg. khim. 8, no. [illegible] '63.

HYDROGENATION

Heavy metal "boarides," new hydrogenation [illegible] K. N. Morbalov, S. I. Polikarpov. Trudy [illegible] 203-208 '62.

Hydrogenation of rosin under atmospheric [illegible] V. P. Shatalov and others. Gidroliz i [illegible] 16, no. 6, 5-7 '63.

HYDROGRAPHIC SURVEYING

Improve methods of surveying rivers be[illegible] A. Selivanov. Rech. transp. 22, no. [illegible]

HYDROGRAPHY see subdivision under [illegible]

HYDROLOGY

Brief news. Meteor. i gidrol. no. 9, 62-64 [illegible]

Brief news. V. L. Arkhangel'skii and others. [illegible] gidrol. no. 8, 63-64 Ag '64.

Bulakh, V. L., N. A. Solomonitsev, and V. A. [illegible] [Fundamentals of hydrology and land improvement] Osnovy gidrologii i sel'skokhoziaistvennykh [illegible] 2., dop. izd. Leningrad, Gidrometeoizdat, [illegible] 368 p.

Determination of the coefficient of turbulent [illegible] reservoirs and inland bodies of water by [illegible] water and heat balances. A. M. Mikhitarian [illegible] Arm. SSR, Ser. tekh. nauk 16, no. 4, 29-31 [illegible]

HYDROLOGY—BIBLIOGRAPHY see Bibliography—Hydrology

HYDROLYSIS

Carbohydrate composition of hydrolysates of [illegible] result of the action of cytolytic fungi cultures [illegible] substrates. L. S. Salmanova, E. A. Gorbun[illegible] TSentr. nauch.-issl. inst. piv., bezalk. i vin. p[illegible] 62-69 '62.

Effect of sulfuric acid on the product of [illegible] trimethylchlorosilane and methylphenyldi[illegible] A. G. Kuznetsova, V. I. Ivanov. Plast. massy [illegible] 21 '63.

HYDROLYSIS (Continued)
Expansion of the Saratov Hydrolysis Plant I. A. Naumets. Gidroliz. i lesokhim. prom 16 no 6 25-26 '63
Extraction of complex acids with oxygen-containing solvents. Part 1 Extraction of micro- and macroquantities of antimony (V) with alcohols, ethers, and esters. G. M. Dakar, B. Z. Iofa, An. N. Nesmeianov. Radiokhimiia 5 no. 4 428-436 '63.
Extraction of complex acids with oxygen-containing solvents. Part 2 Calculating the equilibrium constants of antimony (V) hydrolysis in solutions of hydrochloric acid and investigating the mechanism of its extraction with di-n-butyl ether. B. Z. Iofa, G. M. Dakar, Radiokhimiia 5 no. 4 490-496 '63.
Improving the quality of raw materials for the hydrolysis industry. P. N. Klusov Gidroliz i lesokhim. prom. 16 no. 6 24-25 '63.
Increase the efficiency of the results of research work. A. V. Andreev Gidroliz i lesokhim. prom 16 no 6 1-3 '63.
Some characteristics of the process of vapor-phase hydrolysis of titanium tetrachloride. L. N. Shchegrov. Zhur. neorg. khim. 8 no. 9:2045-2052 S '63.
Thermal dissociation and hydrolysis of mercury (II) sulfate. F. V. Margulis, Iu. S. Remizov. Zhur. neorg. khim. 8 no. 10:2290-2294 O '63.
Ways and economic efficiency of improving the quality of raw materials. I. I. Baksheev, T. P. Manakova. Gidroliz. i lesokhim. prom. 16 no. 6 28-30 '63

HYDROLYSIS—BIBLIOGRAPHY see Bibliography—Hydrolysis

HYDROMETALLURGY
Ceramic metal filters for the automatic analysis of pulp in the production of alumina [with summary in English]. N. I. Zarulia, V. N. Morozov, Iu. N. Semenov. Porosh. met. 3 no 4 101-105 Jl-Ag '63.
Deep desiliconizing of aluminate solutions in the presence of lime. M. G. Leitel'zen, M. S. Beletskii. TSvet. met. 36 no. 9:49-53 S '63.
Dissolving indium and thallium sulfides in aqueous solutions of heavy metal sulfates. E. L. Shalavina, Z. D. Zhakipova. Trudy Inst. met. i obog. AN Kazakh. SSR 6 47-50 '63.
Hydrometallurgical processing of fused sodium matte from sodium sulfate smelting of cupellation dusts. I. R. Polyviannyi, N. A. Milutina. Trudy Inst. met. i obog. AN Kazakh SSR 6 61-71 '63.
Hypochlorite treatment of lean molybdenum intermediate products. K. IA. Shapiro, V. V. Kulakova. TSvet. met. 36 no. 9:38-39 S '63.

HYDROPONICS see subdivision under Kiev

HYDROTHERAPY
Use of balneotherapy in climacteric angioneurosis. K. Balák, A. Šobová. Akush. i gin. no. 2 69-71 '63.

HYGIENE
Questions and answers. Med. sestra 22 no. 8:63-64 Ag '63.
This is what being in love means.... V. Karbovskaia. Sov. Krasnoarmeets 13 no. 2 24-25 Mr-Ap '63.

HYGROMETERS
Adjustment of the DV-1 moisture indicator. N. D. IArtsev Stal' 23 no. 9 787 S '63.
Basic conditions for the reliable and troubleproof performance of indicators of moisture in the blast furnace blow. I. E. Naumenko. Stal' 23 no. 9:785-786 S '63.

HYMENOPTERA, FOSSIL see subdivision under Baltic Sea region

HYPERITE see subdivision under Pechenga District

HYPERONS
Beliakov, V. A., and others. [Production of Λ-hyperons and K^0-mesons in π^-p-interactions at an energy of 7-8 Bev.] Issledovanie protsessov rozhdeniia Λ-giperonov i K^0-mezonov v π^-p-vzaimodeistviiakh pri energii 7-8 Bev [n. p. n. d.] 26 p. [MICROFILM]

HYPERSPACE
Spaces of a Cartesian composition. A. P. Norden. Izv. vys. uchеb. zav.; mat. no. 4:117-128 '63.

HYPERTENSION
Antihypertensive effect of compound medicinal preparations of diverse action [with summary in English]. D. I. Panchenko, V. R. Panchenko. Vrach. delo no. 9:57-62 S '63.
Changes in the ballistocardiogram and electrocardiogram in hypertension patients under the influence of biotron treatment [with summary in English]. V. K. Tkachuk. Vrach. delo no. 7:55-60 Jl '63.
Changes in the vascular reactivity in hypertension patients under the influence of a single treatment with positively charged ions. G. G. Efremushkin. Izv. AN Kazakh. SSR, Ser. med. nauk no. 1, 37-46 '63.
Clinical observations on mitral stenosis patients with active hypertension of the lesser circulation [with summary in English]. S. A. Kolesnikov and others. Grud. khir. 4 no. 6:3-9 N-D '62.
Determination of the propagation rate of the pulse wave in hypertension [with summary in English]. B. A. Zelinskii. Vrach. delo no 7, 47-51 Jl '63.
Effect of ablations on some aspects of the nervous activity in hypertension patients. G. G. Efremushkin. Izv. AN Kazakh SSR, Ser. med nauk no. 1:32-36 '63
Effect of Rauwolfia preparations on the coronary circulation in hypertension patients [with summary in English]. N. A. Gumennaia. Vrach. delo no. 9 50-54 S '63.
The "Electrosen" apparatus cures hypertension. G. Sergeev. Nauka i zhizn' 30 no. 9 48-50 S '63.
Some data on the cerebral electrophysiological activity in hypertension B. V. Bogutskii. Vrach. delo no 7 52-53 Jl '63.
Use of pirilen in treating hypertension patients [with summary in English]. S. V. Lebedev. Vrach. delo no. 7 21-25 Jl '63.
Vectorcardiographic indicators in hypertension [with summary in English]. N. F. Deineko. Vrach. delo no. 7, 41-47 Jl '63.

HYPERTHYROIDISM
Neurogenic mechanism of the pathogenesis of hyperthyroidism F. I. Furdui Zdravookhranenie 6 no 2 27-30 Mr-Ap '63

HYPNOTISM—THERAPEUTIC USE
Slobodianik, A. P. [Psychotherapy, suggestion, hypnosis] Psikhoterapiia, vnushenie, gipnoz. Kiev, Gosmedizdat URSR, 348 p. (DNLM)

HYPOBROMITES—ANALYSIS
Potentiometric method for the analysis of hypobromite aqueous solutions. I. E. Flis, G. I. Pusenok, M. K. Byntaeva. Trudy LTITSBP no. 11:111-117 '62.

HYPOBROMOUS ACID
Spectrophotometric method for studying the equilibrium of the dissociation of hypobromous acid in aqueous solutions. G. I. Pusenok and others Trudy LTITSBP no. 11:118-123 '62.

HYPOCHLORITES
Electrochemical behavior of titanium in hypochlorite solutions. I. M. Vorob'ev, I. E. Flis. Trudy LTITSBP no. 11:103-110 '62.

HYPOPHTHALMYCHTHYS
Vsesoiuznoe soveshchanie po rybokhoziaistvennomu osvoeniiu rastitel'noiadnykh ryb v vodoemakh SSSR, Ashkhabad, 1961. [Papers of the All-Union Conference on the Commercial Introduction of Plantivorous Fishes - Ctenopharyngodon idella and Hypophthalmichthys molitrix in the Bodies of Water of the U. S. S. R.] Materialy Vsesoiuznogo soveshchaniia po rybokhoziaistvennomu osvoeniiu rastitel'noiadnykh ryb - belogo amura (Ctenopharyngodon idella) i tolstolobika (Hypophthalmichthys molitrix) - v vodoemakh SSSR Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963 224 p. (DNAL)

HYPOTHALAMUS
Morphological and physiological examination of some cellular groups of the hypothalamo-hypophysial system following extirpation of the cerebral hemispheres M. B. Nazarian. Zhur. eksp. i klin. med. 3 no 2:3-9 '63.

HYPOTHERMIA
Method of selective cooling of the brain J. Horecký, A. Pivková. Eksper khir i anest no. 1:7-12 '63
Use of hypothermia in acute intestinal obstruction A. N. Kuznetsova. Pat. fiziol. i eksp. terap. 7 no 2, 46-50 Mr-Ap '63.

ICE
(see also subdivision under Aral Sea; Caspian Sea)
Lavrov, V. V. [Problems in the physics and mechanics of ice] Voprosy fiziki i mekhaniki l'da. Leningrad, Izd-vo "Morskoi transport," 1962. 117 p. (Leningrad, Arkticheskii i antarkticheskii nauchno-issledovatel'skii institut. Trudy, vol. 247)
Methods for obtaining ice of a definite structure. B. A. Savel'ev, A. E. Gutikov. Vest. Mosk. un. Ser. 4, Geol 18 no. 3 55-67 My-Je '63.
Savel'ev, B. A. [Manual on the study of the properties of ice] Rukovodstvo po izucheniiu svoistv l'da. [Moskva] Izd-vo Mosk. univ. 1963. 197 p.

ICE CREAM INDUSTRY see subdivision under Moscow

ICE CRYSTALS
Peschanskii, I. S. [Study of ice and ice technology] Ledovedenie i ledotekhnika. Leningrad, Izd-vo "Morskoi transport," 1963 345 p.

ICE ON RIVERS, LAKES, ETC.
(see also subdivision under Western Dvina River)
"LFM-GPI-41" ice-breaking machine. N. Galashov. Rech. transp. 22 no. 9:53 S '63.
Study of the winter condition of rivers in water power surveying. L. M. Margolin. Meteor. i gidrol. no. 8: 57-58 S '63.

ICHNEUMON FLIES
Tiny enemies of big robbers. M. Kozlov, E. Ninburg. Nauka i zhizn' 30 no. 9 86-88 S '63.

ICHTHYOLOGICAL RESEARCH
Role of physics in studying fish behavior. B. P. Manteifel', V. R. Protasov. Vop. ikht. 3 no. 3 433-440 '63.

IDAHO—SHAFT SINKING—EQUIPMENT AND SUPPLIES
Using the "kraiderman" loader in sinking an inclined shaft. S. S. Kobyzev, M. G. Kolina. Shakht. stroi. 7 no. 7 31 Jl '63.

IDEALISM
Unmasking the pseudoscientific terminology of idealists. M. T. Chomeriov. Nauch. zap. Zapor. gos. ped. inst 7:273-285 '59
V. I. Lenin's exposure of the sophistical arguments of subjectivistic idealists. N. M. Makliak. Nauch. zap. Zapor. gos. ped. inst 7:89-104 '59

IDENTIFICATION
Procedure of medicolegal attestation of persons without identifying documents. B. R. Morozovich. Sud.-med. ekspert. 6 no. 3 57-58 Jl-S '63.

IGNIMBRITE see subdivision under Kola Peninsula

IK, LAKE (OMSK PROVINCE)—ALGAE
Some Protococcales from Lake Ik (Western Siberia). N. A. Khalfina. Bot. mat. Otd. spor. rast. 16:23-27 '63.

IL'F, IL'IA ARNOL'DOVICH, 1897-1937
IAnovskaia, L. M. [Why do you write humorously? About I. Il'f and E. Petrov, their lives and their humor] Pochemu vy pishete smeshno? Ob I. Il'fe i E. Petrove, ikh zhizni i ikh iumore Moskva, Izd-vo Akad. nauk SSSR, 1963. 180 p (Akademiia nauk SSSR Nauchno-populiarnaia seriia)

ILI RIVER—DELTA
The Ili Delta. P. P. Filonets. Trudy Otd. geog. AN Kazakh. SSR no. 10:107-114 '63.

ILIAC ARTERY—DISEASES
Clinical aspects and surgical treatment of occlusion of the aorta and iliac arteries (Leriche syndrome), review of literature. S. V. Rynetskii, A. A. Grinberg. Grud. khir. 4 no. 6 114-119 N-D '62.

IL'ICHEVSK—LONGSHOREMEN
Contribution of Il'ichevsk longshoremen to the personal account of the communist party work. V. Artiukhov. Mor. flot 23 no. 10 3-4 O '63.

ILLEGITIMACY
Editor's mail. Semlia i shkola 18 no. 9:25-29 S '63.

IL'MEN MOUNTAINS—ZIRCON
Typomorphism of zircon from alkali rocks in the Vyshnevyye and Il'men Mountains. E. B. Khalezova. Trudy Min. muz. no. 14:182-200 '63.

ILMENORUTILE
Association of ilmenorutile with monazite in the pegmatites of Siberia. V. A. Kornetova. Trudy Min. muz. no. 14:96-107 '63.

IMITATION
A comparison of trace-imitation and conditioned trace-reflexes in the Chimpanzee. L. A. Firsov. Vop. antr. no. 13:52-68 '63.

IMMUNITY
Characteristics of some indices of immunity against cough in relation to the age and state of health of children following vaccination with polyvalent vaccines. B. IA. Reznik. Pediatriia 42 no. 1:16-22 Ja '63.
Effect of chronic carbon monoxide intoxication on the immunobiological reactivity in animals [with summary in English]. I. I. Datsenko, I. S. Alycheva Vrach. delo no 9:118-121 S '63
Effect of gamma globulin treatment on the clinical course of whooping cough and the indices of nonspecific immunity [with summary in English]. S. R. Iboian Pediatriia 42 no. 1:22-26 Ja '63.
Evaluation of the virulence and immunogenicity of Salmonella and Shigella vaccine strains by determination of the median dose (50%). E. N. Melikova, I. G. Vasil'eva. Zhur. mikrobiol., epid. i immun. 40 no. 1 92-98 '63
Experimental study on polyvalent anaerobic toxoids. Part 4: Study of the immunological effectiveness of octatoxoid in late revaccination [with summary in English]. G. V. Vygodchikov and others. Zhur. mikrobiol., epid. i immun. 40 no. 1 127-132 '63.
Immunogenic properties of the commercial strains of the rabies virus. S. S. Maksumov. Trudy TashNIIVS 5:10-14 '62.
Immunological effectiveness of Q vaccine. E. IA. Shternol'd, E. I. Shleikher, L. Sh. Umidova. Trudy TashNIIVS 5:47-52 '62.
Immunotherapy and dermatoplasty in combined burns [with summary in English]. M. A. TSukerman and others. Pat. fiziol. i eksp. terap. 7 no. 1 19-23 Ja-F '63.

[illegible]

[illegible] A S Satybaldy[illegible] Trudy [illegible] 14-[illegible]

[illegible] small-pox vaccine in Uzbekistan, [illegible] vaccine following the Great Patriotic War. V G Baglikova, S G Ostrovskaya, [illegible] Trud. TashMIVS 5 37-46 '62

[illegible] [Problems of [illegible] immunity, [illegible] [illegible] Moscow [illegible] 406 p

[illegible]

[illegible] Zhur. VKhO [illegible] 14 [illegible]

[illegible] [illegible] [illegible] SSSR, Moscow. [Problems of the [illegible] diseases and immunology] Voprosy [illegible] Moskva, Medgiz 1963 227 p

[illegible]

[illegible] RATORY.

[illegible] the role of disseminated forms of [illegible] and [illegible] [illegible] [illegible] [with summary in English] [illegible] I. F. Vasilenko, E. F. Rezenko, P. S. Chernova [illegible] 143-46 Ja '63

[illegible] MASSIF—FELDSPAR

[illegible] feldspars in the [illegible] pegmatites of the Inakinskiy massif. V. F. Efimov, T. B. Gorbacheva [illegible] 1-237 '63

[illegible] MASSIF—PEGMATITES

[illegible] feldspars in the [illegible] pegmatites of the Inakinskiy massif. V. F. Efimov, T. B. Gorbacheva [illegible] 14 211-237 '63

[illegible]COME

[illegible] in the analysis of [illegible] M. Darakan, O. Moskvin, Ekon. Mat. Met. 1 [illegible] 5-0 '63.

[illegible] X NUMBERS (ECONOMICS)

[illegible] in the analysis of [illegible] M. Darakan, O. Moskvin, Ekon. Mat. Met. 1 [illegible] 5-0 '63.

[illegible] of [illegible] manufacturing costs. A. Se[illegible] Plan. khoz. 40 no. 10 90-40 O '63.

INDEXING

[illegible] for simplifying the structure of a subject index [illegible] journal. A. S. Buchinskaya. NTI [illegible] 17-19 '63

INDIA—AUTOMATIC CONTROL

Work of Indian scientists in the field of automatic control [brief report on a conference on automatic control and computer techniques held at the Bihar Institute of Technology in Dhanbad]. A. A. Tunik. Avtomatyka 8 no. 4 78-80 '63.

INDIA—COMMERCE—RUSSIA

For the benefit of the peoples, in the interest of peace. Az. i Mir. segi. no. 9 42-43 S '63.

Trade agreement between the Union of Soviet Socialist Republics and India. Vnesh. torg. 43 no. 9 56-59 '63.

INDIA—CORPORATIONS, GOVERNMENT

New issues published abroad. Mir. ekon. i mezhdunar. otn. no. 9 156-157 '63.

INDIA—DESCRIPTION AND TRAVEL

Beyond the Himalayas. V. Chernyshev. Az. i Afr. segi. no. 10 62 O '63.

Russian Indian ... V. Vladimirov. Ogonek 41 no. 21: 24 My '63.

INDIA—ECONOMIC CONDITIONS

[illegible] achievements of the Indian people. F. Gorlunov. Vneshn. torg. 43 no. 9 9 '63

INDIA—ECONOMIC POLICY

French economist's book on India. N. Savel'ev. Mir. ekon. i mezhdunar. otn. no. 9 153-156 '63.

INDIA—ELECTRONIC COMPUTERS

Work of Indian scientists in the field of automatic control [brief report on a conference on automatic control and computer techniques held at the Bihar Institute of Technology in Dhanbad]. A. A. Tunik. Avtomatyka 8 no. 4: 78-80 '63.

INDIA—GEOLOGY

A month in India. V. I. Smirnov. Vest. Mosk. un. Ser. 4, Geol. 18 no. 3 71-75 My-Je '63

INDIA—LEGISLATIVE BODIES

A timely book about the parliament of India. Iu. Nasenko. Az. i Afr. segi. no. 10 60 O '63.

INDIA—POLITICS AND GOVERNMENT

Changes in the government of India answering readers' question. I. Andronov. Nov. vrem. 21 no. 37: 18-20 S '63.

French economist's look on India. N. Savel'ev. Mir. ekon. i mezhdunar. otn. no. 9 153-156 '63.

'Jan Sangh' and 'Svatantra,' the reactionary political parties of India. G. Goroshko. Mezhdunar. zhizn' 10 no. 9 151-152 S '63.

Reactionaries expose themselves. A. Akhmedzianov. Az. i Afr. segi. no. 9 61-62 S '63.

Unsuccessful attack. V. Makarov. Mezhdunar. zhizn' 10 no. 10 115-116 O '63.

INDIA—TECHNICAL ASSISTANCE, AMERICAN

History of an industrial plant, economic notes. I. Andronov. Nov. vrem. 21 no. 38 30 S '63.

INDIA—TECHNICAL ASSISTANCE, RUSSIAN

The defeated Sutlej. G. Drambiants. Az. i Afr. segi. no. 9 35, 54 S '63.

INDIA—TECHNICAL EDUCATION

Development of the technical institutions of higher learning in India. O. V. Maev. Vest. vys. shkoly 21 no. 9 86-88 S '63.

INDIANS see subdivision under United States

INDIC LITERATURE—PERIODICALS

Social work of the writer. S. Elin. Vop. lit. 7 no. 9: 158-166 S '63

INDICATOR PLANTS see subdivision under Caspian Sea region

INDICATORS AND TEST PAPERS

Plants as indicators. I. Cherniak. Nauka i zhizn' 30 no. 9 11 S '63.

INDIUM

Electron diffraction study of the textures of growth of indium vaporized on the cleavage of Rochelle salt under vacuum. V. V. Udalova, N. A. Potemkina. Vest. Mosk. un. Ser. 3: Fiz., astron. 18 no. 3: 44-47 My-Je '63.

INDIUM ARSENIDES

Enthalpy of the formation of indium arsenide. K. A. Shatifov, S. N. Gadzhiev, I. M. Garibov. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 2: 53-54 '63

INDIUM OXIDES

Thermographic study of the system $In-In_2O_3$. R. A. Polovinkina, T. V. Zabolotskii. Izv. SO AN SSSR no. 7. Ser. khim. nauk no. 2 34-39 '63.

INDIUM PHOSPHIDES

Lattice identity period and microhardness of solid solutions of indium and gallium phosphides. N. N. Sirota, V. I. Rozov. Dokl. AN BSSR 7 no. 7 446-448 Jl '63.

Solubility of gallium and indium phosphides in germanium. V. M. Glazov, G. L. Malyutina. Zhur. neorg. khim. 8 no. 10: 2372-2375 O '63.

INDIUM SELENIDE

Polymorphism of In_2Se_3. G. K. Slavnova. Zhur. neorg. khim. 8 no. 10: 2217-2221 O '63.

INDIVIDUALITY

Fomina, V. A., and M. N. Delogrammatik. [Marxism-leninism on the development of personality and on the bankruptcy of a reactionary anticommunist dogma] Marksizm-leninizm o razvitii lichnosti i krakh odnoi reaktsionnoi dogmy antikommunizma. [Moskva] Izd-vo Mosk. univ., 1963. 47 p

Marxist interpretation of the problem of the individual [with summary in English, pp. 182-183]. L. N. Mitrokhin. Vop. filos. 17 no. 8: 13-24 '63.

INDONESIA—ECONOMIC POLICY

Ali Sastroamidjojo on Indonesian problems. Nov. vrem. 21 no. 40: 9-10 O '63.

INDONESIA—FOREIGN RELATIONS

Ali Sastroamidjojo on Indonesian problems. Nov. vrem. 21 no. 40 9-10 O '63.

INDONESIA—WOMEN—RIGHTS OF WOMEN

Indonesian women struggle for their rights. Setiati Sirasto. Vsem. prof. dvizh. no. 7/8 14-16 Jl-Ag '63.

INDUCTION HARDENING

Causes of the formation of cracks on the crankshaft journals during induction hardening. F. I. Yakovlev. Trakt. i sel'khozmash. 33 no. 6: 39-41 My '63.

INDUCTION HEATING

Automatic welding of 25KhSNVFA steel with simultaneous induction heating. K. V. Lubavskii and others. Svar. proizv. no. 9: 4-7 S '63.

High-frequency heating in gluing pieces of great length. A. K. Petrov. Der. prom. 12 no. 10: 5-7 O '63.

INDUCTION MOTORS *see* Electric motors, Induction

INDUSTRIAL ACCIDENTS

Prevention of accidents in the [illegible] tion. Okhr. truda i sots. strakh. [illegible]

Procedure for bringing a damage [illegible] who caused an industrial accident. [illegible] Okhr. truda i sots. strakh. [illegible]

INDUSTRIAL BUILDINGS

Large elements of cellular concrete for [illegible] industrial buildings. V. R. Mikhailov, [illegible] Prom. stroi. 40 [illegible] no. [illegible]

INDUSTRIAL BUILDINGS—DESIGN AND [illegible]

Drop in height in one-story industrial [illegible] Khanykov. Prom. stroi. 40 [illegible] '63.

Some results of building industrial [illegible] placed fill. S. P. Golikov. Prom. [illegible] no. 6: 39-41 Je '63.

INDUSTRIAL EFFICIENCY see Efficiency, Industrial

INDUSTRIAL ELECTRIC TRUCKS

(see also subdivision under United States)

The EP-501 battery-powered flywheel [illegible] M. P. Golovkin. Biul. tekh.-ekon. inf. [illegible] issl. inst. nauch. i tekh. inform. [illegible]

Madera motor and electric loaders. [illegible] transp. 41 no. 10: 37-40 O '63.

INDUSTRIAL EQUIPMENT

(see also subdivision under Moscow Province)

Cost of export credit in the equipment [illegible] Vnesh. torg. 43 no. 9: 17-19 '63.

INDUSTRIAL EQUIPMENT—MAINTENANCE AND REPAIR

(see also subdivision under Kazakhstan)

Urgent problems in the development of [illegible] IU. S. Borisov. Mashinostroitel' no. [illegible]

INDUSTRIAL EQUIPMENT—STANDARDIZATION

Standardization of machines and equipment [illegible] industry. V. I. Antipenov. Standartizatsiia 10-12 S '63.

INDUSTRIAL HYGIENE

(see also subdivision under Armenia, Azerbaijan, Baltic States; Bryansk, Cheliabinsk, Estonia, Georgia; Kazakhstan, Kharkov Province, Kirgizia, Lithuania; Middle Ural Economic region, Moscow; Rustavi, Turkmenistan, Uzbekistan, Volgograd, White Russia)

Akademiia stroitel'stva i arkhitektury [illegible] organizatsii, mekhanizatsii i [illegible] stroitel'stva [Methodological instructions on problems of safety engineering and [illegible] plans for the organization of construction [illegible] put'] *Metodicheskie ukazaniia po [illegible] tekhniki bezopasnosti i proizvodstvennoi [illegible] ektakh organizatsii stroitel'stva i proizvodstvennoi [illegible]* Moskva, Gosstroizdat, 1963. 84 p.

Brief notes. Okhr. truda i sots. strakh. [illegible] '63.

Editor's mail. Okhr. truda i sots. strakh. [illegible] S '63.

Health protection for workers during the [illegible] of ultrasonic waves. Z. S. Ilinskikh. [illegible] no. 9: 11 Ag '63.

Hygienic evaluation of power tools. [illegible] Mashinostroitel' no. 8: 42-43 Ag '63.

Let's raise the industrial safety service [illegible] *new tasks.* Okhr. truda i sots. strakh. [illegible] Ag '63.

Listen to your conscience. V. Kuzmin-Korotaikin. [illegible] krest 13 no. 2: 12 Mr-Ap '63.

National task. Okhr. truda i sots. strakh. [illegible] '63.

Preparations for the winter season. [illegible] truda i sots. strakh. 6 no. 9: 37 S '63.

Prophylaxis for suppurative skin diseases. [illegible] va. Med. sestra 22 no. 8: 55-58 Ag '63.

Reduce morbidity and industrial accidents. [illegible] Sov. profsoiuzy 19 no. 16: 42-44 Ag '63.

Rhythm is a powerful feeling. Sergei Kaverin. [illegible] truda i sots. strakh. 6 no. 7: 36-39 Jl '63.

They have to live up to their work. A. Rudnitskaia. Okhr. truda i sots. strakh. 6 no. 7: 40-41 Jl '63.

Work of a factory committee on industrial safety [illegible] truda i sots. strakh. 6 no. 8: 40-44 Ag '63.

INDUSTRIAL HYGIENE—PERIODICALS [illegible] under Kazakhstan

INDUSTRIAL LAWS AND LEGISLATION

Lapiev, V. V. [Legal status of government-owned industrial enterprises in the U.S.S.R.] [Pravovoe [illegible] nie gosudarstvennykh promyshlennykh predpriiatii v SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. [illegible]

INDUSTRIAL MANAGEMENT
(see also subdivision under Chimkent Province, Hungary, Kazakhstan, Moscow, Noginsk, Ryazan Province; South Kazakhstan Province)
Adaptation fund and prices for new machinery A. Gogoberidze, G. Ivanov. Plan khoz 40 no.10 26-32 O '63.
Communal property A. Motylev Sov profsoiuzy 10 no.16 33-35 Ag '63
Economic instruction in industrial plants F. Tabeev. Part. zhizn' no.20 9-15 O '63.
Establishment of technical norms should be the basis of planning. N. Charykov. Sots. trud 8 no.9 98-101 S '63.
For a deeper interpretation of problems connected with the administration of an enterprise. B. Zakharov, IU. Konstantinov Sots. trud. 8 no.7 156-159 Jl '63.
Group incentive funds of enterprises in the national economy. N Garetovskii. Sots. trud 8 no.9 47-54 S '63.
The immutable law of economic construction and the business accounting indices of industrial plants. V Bogachev, R Karagedov. Polit. samoobr. 7 no.10: 44-51 O '63.
Improve and reduce the cost of the administrative apparatus. M. Kuzin Sots. trud. 8 no.9 90-99 Jl '63
In conflict with reality. P. Domashenko. Den. i kred. 21 no.10.21-22 O '63.
Incentive funds of enterprises and profit. L Pekarskii. Plan khoz. 40 no.10 8-14 O '63.
Kochuban, V. E. [Analysis of the utilization of equipment based on automatic accounting data] Analiz ispol'zovaniia oborudovaniia na osnove dannykh avtomatizirovannogo ucheta; stenogramma doklada na Vsesoiuznom soveshchanii po mekhanizatsii i avtomatizatsii inzhenernogo i upravlencheskogo truda v promyshlennosti i stroitel'stve Leningrad, 1963. 19 p (Leningradskii dom nauchno-tekhnicheskoi propagandy Serita. Mekhanizatsiia inzhenernogo i upravlencheskogo truda)
Kommunisticheskaia partiia Sovetskogo Soiuza. Vysshaia partiinaia shkola. [Economics of industrial enterprises] Ekonomika promyshlennykh predpriiatii; uchebnik. 3.izd., pererab. Moskva, Gospolitizdat, 1963. 534 p.
Korosteley, V. A. [What type of economy increases the profit of an enterprise] Kakaia ekonomika uvelichivaet pribyl' predpriiatiia. [Moskva] "Moskovskii rabochii," 1963 55 p. (Osnovy ekonomicheskikh znanii — kazhdomu rabochemu)
Material stimulation and large-scale planned assignments. L. Zotova, V. Bazanova. Plan. khoz. 40 no.10 1-7 O '63.
Planning the mechanization and automation of production management. I. A. Bogdanov. Mekh. i avtom. proizv. 17 no.9:22-26 S '63.
Using calculating and tabulating machines in mechanizing design and estimation A. A. Molkov. Mekh. i avtom. proizv. 17 no.9:29-32 S '63.
Using computing equipment in accounting and planning in an industrial enterprise. B. O. Krits, S. G. Pigott, V. S. Romm. Mekh. i avtom. proizv. 17 no.9:17-20 S '63.

INDUSTRIAL MANAGEMENT—FINANCE see subdivision under Ryazan Province

INDUSTRIAL MEDICINE see Medicine, Industrial

INDUSTRIAL ORGANIZATION
(see also subdivision under Kharkov Economic region; Moscow Province)
Credit-payment service to production combines. N. Pozdniakov. Den. i kred. 21 no.10 12-16 O '63.
Economic efficiency of production consolidation in the light industry. N. S. Sachko. Izv. vys. ucheb. zav., tekh. leg. prom. no.4:17-25 '63.
Legal status of the enterprises of local industry. O Pushkin. Rad. pravo no.3:87-91 My-Je '63.
Soviet firms. P. Maksimov. Part. zhizn' no.18:16-23 S '63.

INDUSTRIAL PAINTING see Painting, Industrial

INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION see subdivision under Alma-Ata; Kryukovo, Moscow Province; Kzyl-Orda; Leninogorsk; Soviet Central Asia; White Russia

INDUSTRIAL POWER TRUCKS
Automotive trucks with jib cranes. A. S. Obolenskii, V. I. Shpiygin. Bibl. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no.9:95-96 '63.
Modern motor and electric loaders. I. Batishchev. Avt. transp. 41 no.10:37-40 O '63.

INDUSTRIAL PROCUREMENT
(see also subdivision under Karaganda Economic region; Kazakhstan)
Composition of the turnover of goods in the supply of materials and equipment. I. Ratner. Plan. khoz. 40 no.10.79-81 O '63.
Organization of the supply of materials and equipment in economic regions. V. Ivanov. Plan. khoz. 40 no.10: 41-45 O '63.
Shorten the time required to fill orders. A. Malinov. Plan. khoz. 40 no.10:78 O '63.

INDUSTRIAL PROCUREMENT—COSTS
Savings potentials in the warehouse supply of the national economy. A Agie Plan khoz 10 no 10 45-50 O '63.

INDUSTRIAL RAILROADS see Railroads, Industrial

INDUSTRIAL RELATIONS
You are the host of your celebration. V. Zhil'tsov Smena 40 no.18-2 of cover, 1-2 S '63.

INDUSTRIAL RESEARCH see Research, Industrial

INDUSTRIAL SAFETY
What you have to know about industrial safety Avt transp 41 no.5:59 My '63

INDUSTRIAL SAFETY—LAW AND LEGISLATION
Let us close a gap in criminal law. I. Lanovenko. Rad. pravo no.3 110-113 My-Je '63.

INDUSTRIAL SAFETY—TECHNOLOGICAL INNOVATIONS
Technical information. Okhr. truda i sots. strakh. 6 no.7 41-46 Jl '63.
Technical information. Okhr. truda i sots. strakh. 6 no.8.41-44 Ag '63.

INDUSTRIAL STATISTICS
Burshtein, F. I., and V. T. Gusev. [What an interbranch balance is] Chto takoe mezhotraslevoi balans Moskva, Ekonomizdat, 1963 85 p. (V pomoshch' ekonomistu i planoviku)

INDUSTRIAL TELEVISION
Parts are manufactured... by television; don't be surprised. L. Maksimov, E. Muslin. Kul't. i zhizn' 7 no.4:44-45 '63.
Rozenberg, N. M., and N. I. Sorokodumova. [Television and its use in railroad transportation] Televidenie i ego primenenie na zheleznodorozhnom transporte Moskva, Transzheldorizdat, 1963 186 p
Television methods for checking dimensions. O. D. Bychkov. Izm. tekh. no.5:8-9 My '63.
Using television in the pouring of pig iron N. D Obraztsov Stal' 23 no 6 571-575 Je '63

INDUSTRIAL WASTES
(see also subdivision under Ryazan Province)
"Sanitary protection of air against the waste of enterprises of ferrous metallurgy" by D. N. Kaliuzhnyi. Reviewed by R. D. Gabovich. Vrach. delo no.7:152-153 Jl '63.

INDUSTRIAL WASTES—ANALYSIS
Determination of suspended matters in waste waters. L. N. Matorenok. Khim. volok. no.5:51-52 '63.

INDUSTRIAL WASTES—PURIFICATION
Biological purification of chemically polluted discharges from the production of synthetic aliphatic acid (from designing practice). I. D. Kats. Trudy NPI 136:27-35 '63.
Complex purification of ventilation air and waste waters from synthetic fiber industries. B. IA. Barochina, S. M. Golland, S. B. Zakhar'ina. Khim. volok. no.5 46-51 '63.
Purification of sewage. N. F. Reznik and others. Put' i put. khoz. 7 no.7 19-20 '63.
Purification of waste waters from the production of viscose. S. N. Linevich. Trudy NPI 138:11-17 '63.
Retention of carbon disulfide, hydrogen sulfide and zinc in the purification by flotation of the waste waters of viscose production. A. I. Matsnev. Trudy NPI 138:19-25 '63.

INDUSTRY—ABSTRACTS
[Economics of industry] Ref. sbor.: Ekon. prom. no.10 O '63.

INDUSTRY—BIBLIOGRAPHY see Bibliography

INDUSTRY—INFORMATION SERVICES
(see also subdivision under Moscow)
Equipment for automatic reception of the f information on production. E. D. Devitsy Mekh. i avtom. proizv. 17 no.9:12-44 S

INEQUALITIES (MATHEMATICS)
Inequalities between various weight norms functions of the exponential type. A. S. D. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekh. n 26 '63.
Some extremum problems in the class of and rational functions. D. I. Mamedkhan SSSR 151 no.6:1277-1279 Ag '63.

INFANTRY DRILL AND TACTICS
Control of combat training in the company sov. Voen. vest. 43 no.11:51-52 N '6

INFANTS—CARE AND HYGIENE
More on the usefulness of air. E. Zabludo vosp. 36 no.8:96-99 Ag '63.

INFANTS—DISEASES
Bilateral pyonephrosis in a 6-months-old c Senik. Pediatriia 42 no.1:64 Ja '63.
Diagnosis of gastrointestinal diseases in infants according to consultation data. N. V Lisova, T V. Artemova. Zdrav. Kazakh. 23 no.2 57-61 '63.
Disorders of adrenal cortex function in neonates and infants, a survey of the literature L. M Bilas, IU F Vel'tishchev, V. A. Tabolin Pediatriia 42 no 1:54-61 Ja '63.
Prostate gland abscess in a nursing infant. I I. Poterbinskii. Pediatriia 42 no 1:65 Ja '63

INFANTS (NEWBORN)—DISEASES
Case of development of a convulsive condition in a neonate P. N Tullaganov Pediatriia 42 no 1:85-87 Ja '63.
Disorders of adrenal cortex function in neonates and infants; a survey of the literature. L. M Bilas, IU. F Vel'tishchev, V. A Tabolin. Pediatriia 42 no 1 51-61 Ja '63.

INFANTS (NEWBORN)—SURGERY
Bairov, G. A. [Urgent surgery on newborn infants] Neotlozhnaia khirurgiia novorozhdennykh. Leningrad, Medgiz, 1963. 221 p (DNLM)
Characteristics of pre- and postoperative management of newborn infants with developmental defects [with summary in English]. E. A. Suslennikova, A IA Shamia. Vest khir 90 no 3 98-105 Mr '63

INFECTION
Clinical aspect of psychoses due to intoxication and infection. A. A. Megrabian, S. A. Davtian Zhur. eksp i klin. med. 3 no.2:51-58 '63.
Zdrodovskii, P. F. [Problems of infection, immunity, and allergy] Problemy, infektsii, immuniteta i allergii. Moskva, Medgiz, 1963 466 p. (DNLM)

INFINITE
Innumerable infinities. N. IA. Vilenkin. Znan.-sila 38 no.3:26-31 Mr '63.

INFLAMMABLE LIQUIDS
Relation between the rate of burning of a liquid and its surface temperature [with summary in English]. V. E Anisimov, V. I. Blinov, V. Ch. Reutt. Inzh.-fiz. zhur. 6 no.8:45-51 Ag '63.

INFLAMMATION
Influence of the inflammation of subcutaneous cellular tissue and sensitization on the distribution of Sr-90 in the body [with summary in English]. V. S. Kulistratova. Med. rad. 7 no.12:56-58 D '62

INFLUENZA
Clinical data on the effectiveness of the therapeutic use of antigrippin in children and adults F P Shuvalova and others. Vrach. delo no 9:111-114 S '63
Diagnosis and differential diagnosis of influenza in children [with summary in English] M. F. Sukhareva, N M Zlatkovskaia. Pediatriia 42 no 1:32-37 Ja '63
Influenzal eruptions [with summary in English]. R. G. Akimochkina. Vest. derm. i ven. 37 no.2:36-40 F '63.
Some regularities in influenza epidemiology [with summary in English]. E. A. Fridman. Vop. virus 8 no.3:295-300 My-Je '63.
Swine influenza control. I. P. Prokopov. Veterinariia 39 no 11:44-46 N '62
Therapeutic effect of specific antibodies and inhibitors in influenzal infection [with summary in English]. P. N. Kosiakov, N. M Gruzdeva, M. S Berdinskikh Vop. virus. 8 no.3:301-307 My-Je '63.

IN[illegible]

INFLUENZA VIRUSES

Detection of minimal concentrations of influenza virus in the droplet phase of an aerosol [with summary in English]. S.IA. Gaidamovich, V. V Vladavets Vop virus. 8 no 3 349-353 My-Je '63

Hereditary adaptive variability of the influenza virus [with summary in English]. M.I Sokolov, N P Obro sova-Serova, Vop, virus. 8 no. 3:281-285 My-Je '63.

Study of the antigenic structure of the influenza virus by the adsorption method T S Il'ina Trudy TashNIIVS 5 3-9 '62

INFORMATION SERVICES

Current publication of informational material B. IA Neiman, NTI no 4 3-6 '63.

New standard regulations concerning the obligations and rights of organs of scientific and technological information. P M. Orekhov NTI no 8 3-5 '63

INFORMATION STORAGE AND RETRIEVAL SYSTEMS
(see also subdivision under Kuznetsk Basin)

Activity principle of the bias memory element, E I Il'iashenko. NTI no. 4 27-29 '63.

Compact retrieval system of the Center for Technical Documentation and Information of the Armed Forces of the Netherlands. M Koekkoek, J. A Shiller. [Abridged translation from the Dutch.] NTI no. 4 26 '63.

Examples of the mechanization of bibliographical work of documentation and information in the German Federal Republic (based on personal impressions). P. I. Nikitin. NTI no. 4 37-41 '63.

Invention principle of setting up an information storage and retrieval system. G. E. Vledats, D. G. Lakhuti, V. S. Cherniavskii. NTI no. 4 13-19 '63.

INFORMATION STORAGE AND RETRIEVAL SYSTEMS—ARCHAEOLOGY

Information retrieval in the field of archaeological literature M. IU. Bratchevskii, L. E Pshenichnaia, E. F. Skorokhod'ko NTI no. 8 13-16 '63.

INFORMATION STORAGE AND RETRIEVAL SYSTEMS—CONGRESSES

Second All-Union Conference on Automatic Processing of Information. L. M. Sindilevich. NTI no. 8:8-9 '63.

INFORMATION THEORY

Applying the conceptions of the information theory to the design measuring equipment. B. G. Kaduk. Izm. tekh. no. 8:5-6 Ag '63.

Certain special mathematical correlating codes. G. B. Ol'derogge. Radiotekhnika 18 no. 7 11-19 Jl '63.

Khanovich, I. G. [Potential interference rejection of telecommunication systems] Potentsial'naia pomekho ustoichivost' istem svizi, uchebnoe posobie Leningrad, Leningr elektrotekhn. in-t svizi, 1962. 78 p.

Measuring instrument as a source of information. I. M. Sorkin. Radiotekhnika 18 no. 8:49-54 Ag '63.

Modulation or coding? G. P. Divnogortsev. Radiotekhnika 18 no. 7 73-74 Jl '63.

Some aspects of the interference-free operation of functions of algebra of logic. A. V. Petrosian. Dokl. AN Arm. SSR 36 no. 3:147-151 '63.

Some problems in the theory of navigation. V.S.Shchshaevich. Dokl. AN SSSR 151 no. 6:1295-1298 Ag '63.

Use of a pulse batch in the presence of correlated noise V. F. Nesteruk Radiotekhnika 18 no. 8:10-16 Ag '63.

INFRARED APPARATUS AND APPLIANCES

Apparatus with new heating systems. A. Visheleaskii. Obshchestv. pit. no. 8:49-53 Ag '62.

Device capable of seeing the invisible. S. Zhdanov, V. Makarov, O. Krotova. Pozh. delo 9 no. 7 22-23 Jl '63.

Gurevich, V. Z. [Electrical infrared radiators] Elektricheskie infrakrasnye izluchateli. Moskva, Gosenergoizdat, 1963. 53 p. (Biblioteka elektrotermista, no. 15)

Kriksunov, L. Z., and I. F. Usol'tsev. [Infrared apparatus for the homing of guided missiles] Infrakrasnye ustroistva samonavedeniia upravliaemykh snariadov. Moskva, "Sovetskoe radio," 1963. 239 p.

INFRARED RAYS

Detection of ballistic rockets by means of infrared equipment (as revealed by foreign press data). V. I. Zhuravlev. Vest. protivovozd. obor. no. 11:25-28 N '61.

Permeability of furniture varnishes to infrared rays. I. I Shubina. Der. prom. 12 no. 6 5-7 Je '63.

INFRARED RAYS—INDUSTRIAL APPLICATIONS

Infrared heaters in open parking areas A. Fainberg. Avt. transp. 41 no. 5:51 My '63

Uses of an "invisible one." B. Savinov. Znan. ta pratsia no. 3:4-6 Mr '63.

INFUSORIA

Division process in Trichodina truttae Mueller (Infusoria, Peritrichia). E. A. Bogdanova. Dokl. AN SSSR 151 no. 6:1456-1461 Ag '63.

Hyaluronidase at different stages of the life cycle of Ichthyophthirius multifiliis. A. V. Uspenskaia. Dokl. AN SSSR 151 no. 6 1476-1478 Ag '63.

INGOT MOLDS—CLEANING

Mechanical cleaning of open-bottom ingot molds. V. A. Minaev. Stal' 23 no 9 799 S '63

INGUL VALLEY—SOILS

Soil improvement characteristics of the floodland of the Ingul River within the Black Sea Lowland [with summary in English]. L. G. Pekatoros Pochvovedenie no 9 85-94 Ag[i e. S] '63.

INGULETS VALLEY—IRRIGATION FARMING

Practices in organizing the reclamation of the Ingulets irrigation area T. H Barylnyk Visnyk sil'hospnauky 6 no 9:80-86 S '63

INHALATION THERAPY see subdivision under Turksib

INHERITANCE AND SUCCESSION

From the practice of notarial agencies. Sov. just. no 16 30-31 Ag '63

From the practice of notarial agencies. Sov. just. no. 17:31 S '63.

Inheritance rights of heirs by operation of law in testate succession. M. Gordon. Rad. pravo no. 3:70-76 My-Je '63

INHIBITION

Nonspecific role of internal inhibition in the change of leucocyte reactions to different stimuli [with summary in English]. V V Suchkov Pat. fiziol. i eksp terap. 7 no 2 54-57 Mr-Ap '63.

INLAND NAVIGATION

About the supplement to the "Sailing regulations." A. Zyrianov. Rech. transp. 22 no. 9 55 S '63.

Chernysh, A. F. [Automatic river navigation systems] Sistemy avtomaticheskogo sudovozhdeniia na rekakh. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963. 46 p. (Spravochnaia seriia po novoi tekhnike)

Improve the visual field from a ship's control position. G. Grishin. Rech. transp. 22 no. 9 52 S '63.

Major improvement methods of navigation conditions in the Kama Basin. N. Popov. Rech. transp. 22 no. 8 36-39 Ag '63.

The ship's log books should be altered. V. Penzin. Rech. transp. 22 no. 9 54 S '63.

INLAND NAVIGATION—STUDY AND TEACHING

Improve the level of training and research work. M. Chernov. Rech. transp. 22 no. 8 8-9 Ag '63.

INLAND WATER TRANSPORTATION
(see also subdivision under Ukraine)

Brief news. Rech. transp. 22 no. 8:47-48 Ag '63.

From the editors briefcase. Rech. transp. 22 no. 8:51-52 Ag '63

Improve planning in river transportation. R. Belousov. Rech. transp. 22 no. 8:1-2 Ag '63.

Increase the production of rock materials for building needs. A. Ponomarev. Rech. transp. 22 no. 9:17-18 S '63.

Irkhin, A. P., M. I. Erpichev, and IA. E. TSypin. [The economics and organization of transportation via a self-propelled merchant maritime fleet] Ekonomika i organizatsiia perevozok samokhodnym gruzovym flotom. Izd. 2., ispr. i dop. Moskva, Izd-vo "Rechnoi transport," 1963. 114 p.

Putting an end to cargo turnover lagging is the main objective. Rech. transp. 22 no. 9 3-5 S '63.

Technical information and propaganda are handled by volunteers. I. Bukhbinder. Rech. transp. 22 no. 8 53 Ag '63.

Use of ships in mixed transportation. IU Beliak. Rech. transp. 22 no. 8:26-27 Ag '63.

Water transportation of tomatoes. I. Varentsov. Rech. transp. 22 no. 9:16-17 S '63.

INLAND WATER TRANSPORTATION—COST OF OPERATION

Economic efficiency in speeding up passenger traffic. A. Gurevich. Rech. transp. 22 no. 9 8-9 S '63.

Ways of reducing the cost of passenger transportation. A Medvedev. Rech. transp. 22 no. 8:5-7 Ag '63.

INLAND WATER TRANSPORTATION—EMPLOYEES

Increase the responsibility of trade unions for educational work among river workers. E. Kuryleva. Rech. transp. 22 no. 9:1-3 S '63.

INLAND WATER TRANSPORTATION—SAFETY MEASURES

Work without accidents. A. Nikolin. Rech. transp. 22 no. 8:12-13 Ag '63.

INSCRIPTIONS see subdivision under Mycenae

INSCRIPTIONS, ARABIC
(see also subdivision under Caucasus, Northern; Kura Lowland; Pamirs; Soviet Central Asia; Yemen)

Arabic inscriptions on Academician I. IU. Krachkovskii's gravestone; on the 80th anniversary of his birth. V. A Krachkovskaia. Epig. Vost. no 15:169-172 '63.

Forty years of Soviet studies on Arabic inscriptions V. A. Krachkovskaia Epig Vost no. 15:110-116 '63

INSCRIPTIONS, ARMENIAN

Deciphering an inscription on an Armenian fresco in church of Ishan L. M. Melikset-Bek Epig Vost no. 15:117-119 '63.

INSCRIPTIONS, GREEK

More about the inscription on the lead plate published by G. Kaffenbach. T. N. Knipovich Vest. drev. ist no. 1:71-74 '63.

INSCRIPTIONS, JAPANESE

Inscriptions on the fittings of Japanese swords V. T Dashkevich. Epig Vost. no 15:154-161 '63.

INSCRIPTIONS, ORIENTAL
(see also subdivision under Azerbaijan)

Notes on epigraphic problems A. IA. Borisov Epig Vost. no 15:51-57 '63.

Two pieces of the tiraz silk of Marwan from the A. S Pushkin Museum of Pictorial Arts S B Pevzner Epig. Vost. no 15 90-93 '63.

INSCRIPTIONS, PERSIAN

"Ancient Persia, a grammar and inscriptions with an etymological dictionary by M. Mayrhofer" (in Spanish by W. Brandenstein. Reviewed by M. A. Dandamaev. Vest. drev. ist. no. 1:107-111 '63.

INSECT BAITS AND REPELLENTS

Effect of repellents on the tick Ixodes ricinus L. K. V Kiashkevich, E. N. Kiivtsova. Vest. Mosk. un. Ser. 6 Biol., pochv. 18 no. 5:16-19 S-O '63.

New means for controlling bloodsucking insects. A. I. Cherepanov and others. Les. prom. 41 no. 6:12 Je '63.

Prophylaxis of thelariasis. N. M. Gorodovich. Veterinariia 39 no. 9 26-27 S '62.

Protecting a reindeer herd from bloodsucking insects N. P. Mozenev. Veterinariia 39 no. 9:67-68 S '62.

INSECT TRAPS see subdivision under Siberia, Eastern

INSECTICIDES

From practices in the use of poisonous chemicals. G Dolidze and others. Zashch. rast. ot vred. i bol. 8 no. 9:20-21 S '63.

Practices in the use of new preparations. V. A. Minashkii and others. Zashch. rast. ot vred. i bol. 8 no. 8 30-31 Ag '63.

INSECTS

How insects dress up. V. Tanasiichuk Nauka i zhizn 30 no. 5:105-106 My '63

INSECTS—IDENTIFICATION

Guide to insects. Zashch. rast. ot vred. i bol. 8 no. 8 63 Ag '63.

INSECTS, INJURIOUS AND BENEFICIAL
(see also subdivision under Kazakhstan)

Brief information. Zashch. rast. ot vred. i bol. 8 no. 53-57 S '63.

Useful insects. V. Gerasimov. Doshk. vosp. 36 no. 56-68 Jl '63.

A valuable reference book. IA. M. Chmil'. Zashch. r ot vred. i bol. 8 no. 9:62 S '63.

INSECTS, INJURIOUS AND BENEFICIAL—BIBLIOGRAPHY see Bibliography—Insects, Injurious and beneficial

INSECTS, INJURIOUS AND BENEFICIAL—BIOLOGICAL CONTROL

Detect new insect diseases. A. A. Evlakhova, O. I. Shatsova. Zashch. rast. ot vred. i bol. 8 no. 8:46 Ag '

INSECTS, INJURIOUS AND BENEFICIAL—CONTROL
(see also subdivision under Siberia, Eastern)

Sucking pests of pulse crops. A. B. Fratkin. Zashch. rast. ot vred. i bol. 8 no. 4:33-34 Ap '63.

INSTRUMENT FLYING

Training in the cabin of a plane. V. A. Skripunov Vest. protivovozd. obor. no. 11:35 N '61.

INSTRUMENT INDUSTRY

Sobolev, N. P., and IU. R. Vitenberg. [Gear-cutting machines and tools used in the instrument industry] Zuboobrabatyvaiushchie stanki i instrumenty v priborostroenii. Moskva, Mashgiz, 1963. 300 p.

INSTRUMENTS see subdivision under Great Britain

INSTRUMENTS, ELECTRIC see Electric instruments

INSTRUMENTS, ELECTRONIC see Electronic instruments

INSULATING OILS

Production of insulating oils of high stability. T. M. Bagirzade and others. Azerb. neft. khoz. 42 no. 1:30-3 Ja '63.

INSULATION (HEAT)

Applying graphic analysis methods to calculations of thermal insulation. L. A. Kaganovich, N. N. Kasulainen. Sudostroenie 29 no. 8:31-33 Ag '63.

Binding properties of asbestos cement wastes and their use in producing heat-insulating materials. E. I. Ved' ard others. Strot. mat. 9 no. 9:35-36 S '63.

Calculating the insulation of the inner bottom in refrigerator ships. V. V. Stefanovich. Sudostroenie 29 no. 8:33-34 Ag '63.

New type of pipe laying without ducts using insulation fill. V. M. Meshcheriakov, V. G. Zarimbo. Trudy DIIT ro. 36:38-42 '62.

INSULIN

The 40th anniversary of the discovery of insulin. S. G. Genes. Pat. fiziol. i eksp. terap. 7 no. 2:81-87 Mr-Ap '63.

Insulin and its use in diabetes. S. V. Zakharov. Med. sestra 22 no. 9:28-31 S '63.

INSURANCE, SOCIAL

(see also subdivision under Azerbaijan)

Andreev, V. S. [Material security of Soviet citizens in old-age, and in complete or temporary disability, legal problems] Material'noe obespechenie grazhdan SSSR v starosti, v sluchae invalidnosti i vremennoi netrudosposobnosti, pravovye voprosy. Moskva, Gosiurizdat, 1963. 181 p.

Brief notes. Okhr. truda i sots. strakh. 6 no. 9:17 S '63.

History of working out the laws on social insurance payments to destitute peasants. L. S. Gliazer. Vop. ist. 38 no. 9:202-208 S '63.

Minister replies. L. Lykova. Kul't. i zhizn' 7 no. 8:1-6 '63.

Voluntary helpers of the social security departments of district soviets. N. Rulev. Sov. deput. trud. no. 6:55-59 Je '63.

INSURANCE, SOCIAL—FINANCE

Checking the fulfillment of estimates. V. Zhibrov. Okhr. truda i sots. strakh. 6 no. 9:38-39 S '63.

INTAKES (HYDRAULIC ENGINEERING)

Bochever, F. M. [Hydrogeological calculations of large underground water intakes and water-level lowering installations] Gidrogeologicheskie raschety krupnykh vodozaborov podzemnykh vod i vodoponizitel'nykh ustanovok. Moskva, Gosstroiizdat, 1963. 57 p. (Inzhenernaia gidrogeologiia)

Lateral compression of the flow in a water intake [with summary in English]. S. A. Biyzgalov. Izv. TSKHA no. 2:198-203 '63.

INTEGRAL EQUATIONS

Approximate solution of nonlinear boundary value problems. A. A. Berezovskii. Inzh. zhur. 3 no. 3:568-572 '63.

Generalization of the T problem for the equation $y_{xx} + \operatorname{sign} y\, y_{yy} = 0$. G. Karatoprakliev. Dokl. AN SSSR 151 no. 6:1271-1273 Ag '63.

Some properties of integral equations and the analysis of transient processes. O. M. Holubentsev, P. H. Lykhovyd. Prykl. mekh. 9 no. 5:520-528 '63.

Stability of the solution of an infinite system of algebraic equations derived from the approximation of Volterra type linear integral equations. V. R. Vinokurov. Izv. vys. ucheb. zav., mat. no. 4:33-43 '63.

INTEGRALS

A-integrability in the narrow sense. I. L. Bondi. Mat. sbor. 61 no. 2:121-146 Je '63.

INTEGRALS, GENERALIZED

A-integrals and series in Walsh's system. A. I. Rubinshtein. Usp. mat. nauk 18 no. 3:191-197 My-Je '63.

Integral representation of functions holomorphic in convex regions of C^n space. L. A. Aizenberg. Dokl. AN SSSR 151 no. 6:1247-1249 Ag '63.

Permanent axes of rotation of a rigid body with a fixed point in the case of the existence of Gorinchev integrals. N. G. Apykhtin. Prikl. mat. i mekh. 27 no. 5 894-898 S-O '63.

INTEGRALS, MULTIPLE

Mayer-Boltz's problem for multiple integrals and the optimization of the behavior of systems with distributed parameters. K. A. Lur'e. Prikl. mat. i mekh. 27 no. 5:842-853 S-O '63.

INTEGRODIFFERENTIAL EQUATIONS

Cauchy's problem for systems of integrodifferential equations. F. S. Aliev. Trudy Inst. mat. i mekh. AN Azerb. SSR 2:77-103 '63.

Integrodifferential equations of the fluctuations of a mine rope with varying length. A. A. Chizh. Izv. vys. ucheb. zav. ; gor. zhur. 6 no. 9:134-139 '63.

Parametric resonance of a plate under conditions of nonlinearity [with summary in English]. A. A. Berezovskyi, L. T. Shule zhko. Dop. AN URSR no. 9:999-903 '63.

INTELLECTUAL LIFE

We learn and discuss. I. Fedorova. Kul't. i zhizn' 7 no. 2:4-5, 8-9 '63.

INTERCONNECTED ELECTRIC UTILITY SYSTEMS

Automatic control of the performance of large consolidated electric power systems according to their frequency and real power. A. G. Moskalev, E. D. Zeilidzon, M. D. Kuchkin. Elektrichestvo no. 9:81-87 S '63.

Trofimovskaia, E. A. [Consolidated power system] Edinaia energeticheskaia. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike XII Seriia Geologiia i geografiia, no 18)

INTERCOSTAL NERVES see Nerves, Intercostal

INTERFERENCE (LIGHT)

Analysis of Laue's interference function. IU. A. Bagriatskii. Kristallografiia 8 no. 5 706-710 S-O '63.

INTERFEROMETER

Some characteristics of a Fabry-Perot etalon with a small transparent aperture. L. M. Nagibina, A. N. Korolev. Opt. i spektr. 15 no. 3:421-423 S '63.

Using an interferometer with high resolving power in determining relative forces of manganese triplet oscillators. V. IU. Volk, G. P. Petrova. Sbor. st. LITMO no. 47:81-90 '59.

INTERFEROMETRY

Use of layers of uneven thickness in measuring the optical constants of liquids in the region of strong absorption. L. I. Alperovich. Opt. i spektr. 15 no. 3:338-343 S '63.

INTERFERON

Preparation of interferon from chicken fibroblast cultures treated with inactivated smallpox vaccine [with summary in English]. O. N. Petersen, Li IU. [Li Yu]. Vop. virus. 8 no. 3:279-281 My-Je '63.

INTERGOVERNMENTAL MARITIME CONSULTATIVE ORGANIZATION

First Assembly of the Intergovernmental Maritime Consultative Organization. D. N. Kolesnik. Inform. sbor. TSNIIMF no. 49, Mor. pravo i prak. no. 9:3-11 '60.

Work of the Intergovernmental Maritime Consultative Organization. E. A. Mikulinskii. Inform. sbor. TSNIIMF no. 49, Mor. pravo i prak. no. 9:74-77 '60.

INTERMETALLIC COMPOUNDS

Intermetallic compound of zinc with copper. A. G. Stromberg, V. E. Gorodovykh. Zhur. neorg. khim. 8 no. 10 2355-2359 O '63.

INTERNAL COMBUSTION ENGINES

(see also subdivision under United States)

Classification of lubricating oils for internal combustion engines. I. F. Blagovidov, A. A. Deribin, N. G. Puchkov. Khim. i tekh. topl. i masel 8 no. 2:37-43 F '63.

Selecting the ratio of the height of the working chamber to the eccentricity of a rotary-piston engine. V. S. Benlovich. Trakt. i sel'khozmash. 33 no. 5:15-16 My '63.

INTERNAL COMBUSTION ENGINES—ABSTRACTS

[Internal combustion engines] Ref. zhur. ; Dvig. vnutr. sgor. no. 10 O '63.

INTERNAL COMBUSTION ENGINES—CYLINDERS

Method for immediate measurement of mean indicated pressure in the cylinder of a piston engine. IU. A. Magnitskii, V. D. Karminskii. Avt. prom. 29 no. 10:6-8 O '63.

INTERNAL COMBUSTION ENGINES—FUEL SYSTEMS

Selection of gas-distribution phases for two-cycle carburetor engines with small cylinder capacity. I. N. Tikhomirov. Avt. prom. 29 no. 10:13-14 O '63.

INTERNAL COMBUSTION ENGINES—TESTING

Analytic determination of the friction power of piston engines. N. I. Arslanova, N. K. Arslanov. Trudy KAI no. 80:19-31 '61.

Rated determination of the viscosity coefficient of crankcase gases of two-cycle engines. A. N. Ustinov. Avt. prom. 29 no. 10 9-10 O '63.

INTERNAL FIXATION IN FRACTURES

Book review. Zdravookhranenie 6 no. 2 62-64 Mr-Ap '63.

INTERNATIONAL ASSOCIATION OF LEGAL SCIENCE

International Association of Legal Science should promote the ideas of peace and progress. P. S. Romashkin, S. L. Zivs. Sov. gos. i pravo no. 10:60-69 O '59.

INTERNATIONAL COMPETITION see Competition, International

INTERNATIONAL CONFEDERATION OF FREE TRADE UNIONS

Setbacks for trade-union bosses [with English summary in insert]. IU. Popov. Az. i Afr. seg. no. 10:20-21 O '63.

INTERNATIONAL COOPERATION

Let's live in peace and friendship on the same planet. N. Popova. Kul't. i zhizn' 7 no. 2:2-3 '63.

INTERNATIONAL CORRESPONDENCE

In anticipation of the August conferences. Inostr. iaz. v shkole no. 4 15-20 Jl-Ag '63.

International education in a kindergarten. N. Cherednychenko. Doshk. vykh. 24 no. 5 21-28 My '63.

Our international contacts are strengthening. V. N. IAkovishin. Vest. vys. shkoly 21 no. 9 47-48 S '63.

INTERNATIONAL EDUCATION

(see also subdivision under Estonia)

International education. O. Bulatova. Doshk. vykh. 24 no. 5:10-14 My '63.

INTERNATIONAL LABOR ORGANIZATION

Lazebnyk, IU. A. [Geneva diary] Zhenevs'kyi shchodennyk. Kyiv, Vyd-vo TsK LKSMU "Molod'", 1963. 173 p.

INTERNATIONAL LABOR ORGANIZATION—CONGRESSES

For the recall of the France government delegation from the International Labor Organization Conference. Vsem. prof. dvizh. no. 7/8 18 Jl-Ag '63.

Operations of the International Labor Organization should correspond to the realities of the present day. Louis Saillant. Vsem. prof. dvizh. no. 7/8 12-44 Jl-Ag '63.

INTERNATIONAL LAW

Cuba and international law. F. B. Schick. Mezhdunar. zhizn' 10 no. 9:85-94 S '63.

INTERNATIONAL RELATIONS

Postwar West German studies on the history of international relations. V. B. Ushakov. Vop. ist. 38 no. 9:143-148 S '63.

INTERNATIONAL RELATIONS—BIBLIOGRAPHY see Bibliography—International relations

INTERNATIONAL WORKINGMEN'S ASSOCIATION

Galkin, I. S. [The First International. The Paris Commune] Pervyi Internatsional. Parizhskaia kommuna. Moskva, Gospolitizdat, 1963. 76 p. (V pomoshch' izuchaiushchim mezhdunarodnoe kommunisticheskoe i rabochee dvizhenie) (CSt-H)

INTERNATIONALISM

(see also subdivision under Czechoslovakia)

Shestopal, M. M. [We are internationalist] My — internatsionalisty. Kyiv, Derzhpolitvydav URSR, 1963. 34 p. (Moral'nyi kodeks budivnyka komunizmu)

INTERPOLATION

Best system of points of parabolic interpolation. D. L. Berman. Izv. vys. ucheb. zav. ; mat. no. 4:20-25 '63.

INTERSTELLAR GASES see Gases, Interstellar

INTERVERTEBRAL DISK—INNERVATION

Innervation of the longitudinal spine ligaments. B. L. Orlova, M. A. Morzon. Vop. morf. perif. nerv. sist. no. 6:46-57 '63.

INTESTINAL AND PARASITIC WORMS see Worms, Intestinal and parasitic

INTESTINES

Preoperative determination of the length of the mobilized intestine necessary for the creation of a transpleural artificial esophagus [with summary in English]. I. V. Pshenichnikov, E. A. Pechatnikova. Eksper. khir. i anest. no. 1:38-39 '63.

INTESTINES—ABNORMITIES AND DEFORMITIES

Case of anomalous development of the large intestine in association with its interposition. Vest. rent. i rad. 38 no. 1 72-73 Ja-F '63.

INTESTINES—CANCER

Mucinous cancer of the large intestine with calcification. O. N. Kashintsev. Vest. rent. i rad. 38 no. 1 73-74 Ja-F '63.

INTESTINES—DISEASES

Chronic enteritis. E. A. Belul. Med. sestra 22 no. 9:17-21 S '63.

Pneumatosis of the small intestine. A. I. Udalova. Vest. khir. 90 no. 3 106-109 Mr '63.

INTESTINES—INNERVATION

Changes in the lymph circulation and some biochemical lymphatic ingredients in the stimulation of the intestinal chemoreceptors. Report No. 5. R. S. Vasil'chenko and others. Izv. AN Kazakh SSR, Ser. med. nauk no. 1:12-14 '63.

Nature and connections of Dogel's cells type II in the large intestine. A. P. Ambros'ev. Vop. morf. perif. nerv. sist. no. 6:110-115 '63.

Receptors of the extraorganic vessels of the large intestine in a cat. A. P. Amvros'ev. Vop. morf. perif. nerv. sist. no. 6:134-142 '63.

INTESTINES—MICROBIOLOGY

Data on the study of intestinal microflora in dysentery in infants. Report No. 1: Aerobic microflora of the intestines in children not contracting dysentery. Kh. P. Gamleshko. Zhur. mikrobiol., epid. i immun. 40 no. 1:147-151 '63.

Detection of pathogenic bacteria of the intestinal group by a mixture of indicator phages. V. N. Kuznetsova, Z. S. Ostrovskaia. Zhur. mikrobiol., epid. i immun. 40 no. 1:57-61 '63.

PATHOLOGY—RADIOGRAPHY

PATHOLOGY—SURGERY

PATIENTS—TRANSPLANTATION

PATRACHEAL ANESTHESIA

PAYMENTS

PAYMENTS, AMERICAN see subdivision under Pacific Ocean

PAYMENTS, BRITISH see subdivision under Rhodesia and Nyasaland

PAYMENTS, FOREIGN see subdivision under Turkey, Underdeveloped Areas

PAYMENTS, FRENCH see subdivision under Malagasy Republic

PAYMENTS, GERMAN see subdivision under Ukraine

IODINE IN THE BODY

Distribution of iodine - 131 in the thyroid gland, blood [human], and the salivary gland in experimental feeding [rats] M. F. Zeltzer Izv. AN Kazakh. SSR, Ser. biol. nauk no. 1 69-70 '63.

IODINE ISOTOPES

Adsorption of [131 tagged] iodine on a platinum surface. G. Feltz. Radiobiologia 5 no. 4 411-416 '63.

Determination of the extent of a lesion of the facial nerve by the galvanic polarization method [with summary in English]. K. G. Umanskii, M. A. Shuster, L. A. Ilin. Vest. rent. i rad. 7 no. 12 21-25 D '62.

Determination of the functional state of the thyroid gland with the Dobrokhotov diagnostic scintillation apparatus. V. N. Slavin, G. P. Shchetko. Med. rad. no. 1 36-38 '63.

Diagnosis of atypical forms of thyrotoxicosis by means of radioactive iodine. G. A. Kazarian. Zhur. eksp. i klin. med. 3 no. 1 57-63 '63.

Skuratov, V. A. [I132, the short-lived iodine isotope] Korotkozhivushchii izotopioda--I132. Moskva, Gosatomizdat, 1963. 21 p.

IODINE ISOTOPES—PHYSIOLOGICAL EFFECT

Iodogenic mechanism of the pathogenesis of hyperthyroid states. E. I. Gurdal. Zdravookhranenie 6 no. 2 27-36 Mr-Ap '63.

IODINE ISOTOPES—THERAPEUTIC USE

Radioactive iodine in the diagnosis and treatment of thyroid gland diseases [by] P. I. Egorov, A. Z. Tsfasman. Reviewed by M. S. Saraiuk. Med. rad. 7 no. 12 78-79 D '62.

IODOMETRY

Use of the iodometric method for determining aldehydes. M. I. Dolgushin, S. G. Rylkin, A. Iu. Zhvirblianskaia. Trudy TSent. nauch.-issl. inst. prov. bezalk. i mol. prom. no. 12-14 '62.

ION BEAMS

Aksenov, A. I. [Ion bombardment in a vacuum] Ionnaia bombardirovka v vakuume. Moskva, Gosenergoizdat, 1963. 143 p.

Use of a tritium ion beam in determining the density of a deuterium plasma [with summary in English]. B. M. Gokhberg and others. Zhur. eksp. i teor. fiz. 45 no. 3: 428-436 S '63.

ION EXCHANGE

Complex formation of europium with an oxalate ion studied by the ion exchange method. A. S. Kerzhchuk, V. I. Parshenova. Radiokhimiia 5 no. 4 464-473 '63.

Equation for calculating the products of ion exchange reactions occurring in melts with a change in the number of moles. O. K. Sokolov. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no. 2 73-78 Mr-Ap '63.

Increasing the mechanical strength and the heat-resistance of glass by means of ion exchange. O. K. Botvinkin, O. N. Denisenko. Stek. i keram. 20 no. 10 1-3 O '63.

Ion-exchange preparation of acids under static-dynamic conditions. A. I. Vulikh, V. L. Bogatyrev. Izv. SO AN SSSR no. 7. Ser. khim. nauk no. 2 40-47 '63.

Positive sulfate ion in nitric acid solution. Yan Fu-tsiun (Wang Fu-chiung) and others. Radiokhimiia 5 no. 3 351-355 '63.

Static capacity of ion exchange of the KB-4 cation exchanger in chromium (III) as dependent on the conditions of absorption. E. S. Mikhanosha, A. V. Udin, V. M. Barboi. Izv. vys. uchet. zav., tekh. leg. prom. no. 4 34-38 '63.

ION EXCHANGE RESINS

Separation of small amounts of thorium from rare-earth elements, iron, and aluminum on an ion exchange resin with an absorbed reagent. V. A. Nazarenko, E. A. Biriuk, E. N. Poluektova. Radiokhimiia 5 no. 4 497-499 '63.

Use of ion exchange resins as aqueous phase carriers in partition chromatography. Separation of Zn, Cd, and Hg. L. N. Moskvin, B. K. Preobrazhenskii, L. N. Rzhanitsyna. Radiokhimiia 5 no. 3 299-304 '63.

ION EXCHANGERS

Condensation of furfurole with nitromethane in the presence of anion exchangers. Kh. R. Rustamov, R. Usmanov. Uzb. khim. zhur. 7 no. 4 44-46 '63.

Sorption of some elements by carboxyl cation exchangers. E. I. Kazantsev, A. N. Denisov. Zhur. neorg. khim. 8 no. 9 2108-2205 S '63.

Wash-out of thorium from strongly basic anion exchangers. F. I. Kazantsev, V. A. Kudusov. Radiokhimiia 5 no. 2: 231-236 '63.

IONIC CRYSTALS—OPTICAL PROPERTIES

Optical structure of luminescence centers in ionic crystals activated by mercurylike ions. S. G. Zazubovich, N. E. Lushchik, Ch. B. Lushchik. Opt. i spektr. 15 no. 3 381-388 S '63.

IONIZATION

Calculation of nonresonance charge exchange and ionization of atoms in collisions with slow ions. V. I. Rydnik, B. M. Smirnov. Izv. AN SSSR. Ser. fiz. 27 no. 8:1005-1008 Ag '63.

Energy spectra of electrons detached in molecular photoionization. F. I. Vilesov, B. L. Kurbatov. Izv. AN SSSR. Ser. fiz. 27 no. 8 1088-1093 Ag '63.

Ionization constants of tripyrocatechol-germanic and tripyrogallol-germanic acids. A. M. Andrianov, V. A. Nazarenko. Zhur. neorg. khim. 8 no. 10:2276-2280 O '63.

Ionization of positive ions by electrons. S. E. Kupriianov, Z. Z. Latypov. Zhur. eksp. i teor. fiz. 45 no. 3:815-816 S '63.

Mass-spectrometric study of the photoionization of molecules and the decay of excited molecular ions. M. E. Akopian, F. I. Vilesov, A. N. Terenin. Izv. AN SSSR. Ser. fiz. 27 no. 8 1083-1087 Ag '63.

Method for measuring the effective ionization cross sections and ionization coefficients of metal atoms during an electronic impact. A. P. Liubimov and others. Izv. AN SSSR. Ser. fiz. 27 no. 8:1060-1064 Ag '63.

Stepped excitation and ionization of nitrogen. I. I. Gromova, A. V. Nikolaeva. Izv. AN SSSR. Ser. fiz. 27 no. 8: 1097-1101 Ag '63.

Theoretical calculation of the viscosity, thermal conductivity, and Prandtl number of ionized argon. P. P. Kulik, I. G. Panevin, V. I. Khvesiuk. Teplofiz. vys. temp. 1 no. 1:56-63 Jl-Ag '63.

IONIZATION OF GASES

Ionization of gases by fast atoms and singly charged helium ions [with summary in English]. E. S. Solov'ev and others. Zhur. eksp. i teor. fiz. 45 no. 3:496-502 S '63.

IONOSPHERE

Calculating the fluctuations of the horizontal [illegible] the wind in the free atmosphere based [illegible] observations. V. A. Pal'tseva. [illegible] 85 '62.

IONS

Dependence of the mean charge of fast [illegible] of the medium. V. S. Nikolaev and others. [illegible] SSSR. Ser. fiz. 27 no. 8 1078-1080 Ag '63.

Determining the cation distribution in the [illegible] tion splitting in compound oxides. A. S. [illegible] Nalsh. fiz. tver. tela 5 no. 9: 2717-2719 S '63.

Dissociation of polyatomic ions in collisions [illegible] and molecules of gases. S. I. Kuprianov, [illegible] Izv. AN SSSR. Ser. fiz. 27 no. 8 1101-1103 Ag '63.

Possibility of producing multiply charged [illegible] tion by proton impact. L. S. Dmitriev. [illegible] Ser. fiz. 27 no. 8:1081-1083 Ag '63.

IONS—MIGRATION AND VELOCITY

Electromigration method for determining the [illegible] chemical constants of the compounds [illegible] treme dilution. Part 1: Determinations of [illegible] tions out of the nature of the double [illegible] tions electrophoretically on a porous [illegible] dov, K. V. Kotegov. Radiokhimiia [illegible]

IRAN—GUILDS

Correspondence between G. Akhverdianov [illegible] zanian on Georgian and Persian guilds [illegible] with summary in Russian]. A. G. Iosmal'ian. Izv. zhur. no. 2:181-216 '63.

IRAQ—ECONOMIC CONDITIONS

Dreams and reality of Iraq, the country of "A Thousand Nights." Mary Daoud. Zhen. mir no. [illegible] 8

IRAQ—KURDS

The right cause will win! [With English summary inserted.] J. Izzedin Mustafa Rasoul. Asi i Afr. [illegible] 20 O '63.

Scholars protest [with English summary inserted]. K. Kuzmov. Asi i Afr. [illegible] no. 10 19-20 O '63.

Some days in Kurdish camps. Vl. Medvedev. [illegible] 21 no. 42:27-28 O '63.

IRAQ—POLITICS AND GOVERNMENT

Causes and results of the coup d'état in Iraq. S. Salimov. Mezhdunar. zhizn' 10 no. 6 [illegible]

IRAQ—WOMEN—RIGHTS OF WOMEN

Dreams and reality of Iraq, the country of "A Thousand Nights." Mary Daoud. Zhen. mir no. [illegible]

IRELAND—ECONOMIC CONDITIONS

Readers' comments: Ireland is changing [on] [illegible] Patrick O'Connor. Nov. vrem. 21 no. 11 [illegible]

IRELAND—HISTORY

Saprykin, Iu. M. [English and Irish popular [illegible] in the 18th century] Narodnye dvizheniia v Anglii i Irlandii v XVI veke, lektsii dlia studentov [illegible] istoricheskikh fakul'tetov gosudarstvennykh [illegible] tov. [Moskva] Izd-vo Mosk. univ. 1963. [illegible] p.

IRELAND—REBELLION OF 1641

Early history of the Irish Rebellion of 1641-[illegible] summary in English]. Iu. M. Sapryskin. [illegible] no. 2:91-119 '63.

IRKUTSK—ART GALLERIES AND MUSEUMS

Siberia looks from the canvases. Eleven Irkutsk [illegible] Ogonek 41 no. 11:21 O '63.

IRKUTSK—MACARONI

In the Irkutsk Macaroni Factory. N. P. Lavovskii. Khleb. i kond. prom. 7 no. 6:40-42 Je '63.

IRKUTSK BASIN—COAL PREPARATION

Peropolitsa, A. L. [Pyrogenic sizing of Irkutsk [illegible] coals] Pirogeneticheskoe okuskovanie uglei [illegible] basseina. Moskva, Izd-vo Akad. nauk SSSR, [illegible] 218 p.

IRKUTSK PROVINCE—HOSPITALS

Work of the therapeutic department of a provincial [illegible] ical hospital. K. R. Sudov, B. M. Tsepilevich. [illegible] Ros. Feder. 7 no. 6:40-44 Ag '63.

IRKUTSK PROVINCE—TRANSPORTATION, AUTOMOTIVE

Dispatcher handbook for the determination of [illegible] age. V. Degtiarov. Avt. transp. 41 no. 8: 10-11 '63.

IRKUTSK PROVINCE—WATER—ANALYSIS

Distribution of fluorine in the ice and liquid phase of water of some water sources of Irkutsk and [illegible] Provinces. T. N. Razhnikova. Izv. SO AN SSSR. Ser. khim. nauk no. 2:62-66 '63.

IRON—METALLOGRAPHY

Characteristics of the kinetics of plastic deformation in commercial-grade iron at temperatures from [illegible] to 1600° T. A. Alekseeva, M. G. Lozinskii. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 3:110 124 [illegible] Ap '63.

Structure of impact-peened iron. Metalloved. i term. [illegible] met. no. 10:54-57 O '63.

IRON ALLOYS
Chemical mechanism underlying the action of modifying agents in graphitized alloys. A.A.Baranov, K.P.Bunin. Dokl.AN SSSR 151 no.6:1303-1301 Ag '63.

IRON ALLOYS—METALLURGY
Plusr, IU. L., S.I. Suchil'nikov, and E. A. Rubinshtein, [Aluminothermy in the production of ferroalloys and addition alloys] Aliuminotermicheskoe proizvodstvo ferrosplavov i ligatur. Moskva, Metallurgizdat, 1963. 174 p.

IRON ALLOYS—TESTING
Conditions for the formation of nitrides and the solubility of nitrogen in iron alloys with aluminum, titanium and vanadium. A. N. Morozov, V. I. Isaev, L. G. Korolev Izv. AN SSSR, Otd. tekh. nauk Met i gor. delo no 4:141-144 Jl-Ag '63.

IRON AND STEEL PLANTS
(see also subdivision under Bokaro, India; Kommunarsk; Yenakiyevo; Zhdanov)
Use of secondary power resources in plants of ferrous metallurgy. A. I. Berzhinskii. Prom. energ. 18 no.10 8-14 O '63

IRON AND STEEL PLANTS—ELECTRIC EQUIPMENT
Policy, V. K., and L. P. Smol'nikov, [Electrical equipment of the main departments of metallurgical plants] Elektrooborudovanie osnovnykh tsekhov metallurgicheskikh zavodov; posobie dlia podgotovki masterov. Izd.3., ispr. i dop. Moskva, Metallurgizdat, 1963. 595 p.

IRON AND STEEL PLANTS—EQUIPMENT AND SUPPLIES
Kas'ianov, S. F. [Mechanization and automatic control in ferrous metallurgy] Mekhanizatsiia i avtomatizatsiia v chernoi metallurgii. Moskva, Metallurgizdat, 1963. 351 p.

Vilenskii, N. M., and others. [Establishing an efficient diagram for the power supply of a metallurgical combine] Opredelenie ratsional'noi skhemy energosnabzheniia metallurgicheskogo kombinata Sverdlovsk, Akad. nauk SSSR, 1963 56 p.

IRON AND STEEL WORKERS
(see also subdivision under Cherepovets)
For communist labor. N Milovatskii Metallurg 8 no 9 37-38 S '63
Men with a searching mind. N. Balabin, N. Romanov. Metallurg 8 no. 8:34-36 Ag '63.

IRON AND STEEL WORKERS—EDUCATION AND TRAINING see subdivision under Vitebsk

IRON-ALUMINUM ALLOYS—TESTING
Connection between the elasticity modulus and the creep rate in iron-aluminum alloys at high temperatures T. A. Smirnova, L. N. Bystrov, L. I. Ivanov. Izv AN SSSR Otd tekh. nauk, Met. i gor. delo no 4:130-134 Jl-Ag '63.

IRON-CARBON ALLOYS
Effect of pressure on the phase equilibrium of graphite - cementite in the iron - carbon system. T. P. Ershova, F. G. Poniatovskii. Dokl. AN SSSR 151 no. 6:1364-1367 Ag '63.

IRON-COBALT-CHROMIUM ALLOYS see Chromium-iron-cobalt alloys

IRON COMPOUNDS—SPECTRA
Mössbauer's spectra of complex compounds of iron with diacetylthiosemicarbazone oxime. A. V. Ablov and others. Dokl. AN SSSR 151 no. 6:1352-1355 Ag '63.

IRON-COPPER ALLOYS—TESTING
Investigating the heat conductivity, electrical resistance, and mechanical properties of a ceramic metal iron-copper alloy. Report No. 2 [with summary in English]. V. E. Mikrikukov, N. Z. Pozdniak. Poroshk. met. 3 no. 4: 54-59 Jl-Ag '63.

IRON FOUNDING
Preshrinkage expansion of magnesium iron in permanent mold casting. B. S. Radia. Lit. proizv. no. 8:28-29 Ag '63.

IRON HYDROXIDES
Thermodynamics of dissociation of ferrous and manganous hydroxides. L. G. Berg, V. P. Kovyrzina. Zhur. neorg. khim. 8 no. 9:2041-2045 S '63.

IRON INDUSTRY
(see also subdivision under Ukraine)
For a further increase of labor productivity in ferrous metallurgy. S. M. Filippov. Metallurg 8 no. 9:1-3 S '63.

IRON ISOTOPES
Thiocyanatomercurate-radiometric method for determining zinc. S. V. Bleshinskii, A. G. Nagaeva, V. F. Abramova. Izv. AN Kir. SSR Ser. est. i tekh. nauk 5 no. 4: 27-33 '63.

IRON-MAGNESIUM-SILICON ALLOYS—METALLURGY
Conditions for the reduction of magnesium oxide by silicon during the smelting of magnesium addition alloys I. V. Riabchikov, A. S. Mikulinskii. Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 2:9-12 Mr-Ap '63.

IRON MINES AND MINING
(see also subdivision under Krivoy Rog Basin, Kursk Magnetic Anomaly)
Bergauz, L. A., and A. P. Shalimov. [Guide for workers in auxiliary and haulage operations in ferrous metallurgy enterprises] Pamiatka dlia rabochikh vspomogatel'nykh i transportnykh tsekhov gornykh predpriiatii chernoi metallurgii. Moskva, Gosgortekhizdat, 1962. 107 p. (Organizatsiia i oplata truda)
Bergauz, L. A. [Guide for workers employed in underground operations of ferrous metallurgy enterprises] Pamiatka dlia rabochikh, zaniatykh na podzemnykh rabotakh predpriiatii chernoi metallurgii. Moskva, Gosgortekhizdat, 1962. 203 p. (Organizatsiia i oplata truda)

IRON-NICKEL ALLOYS—ELECTRIC PROPERTIES
Dynamic magnetization loops of 65NP and 79NM alloys at frequencies up to 10 c. p. s. N. A. Semenova, L. V. Mitel'man. Elektrichestvo no. 9:87-89 S '63

IRON-NICKEL ALLOYS—TESTING
Effect of temperature and the rate of tensioning on the kinetics and mechanism of deformation of iron-nickel alloys with 30 % Fe. M. G. Lozinskii, N. Z. Pertsovskii. Metalloved. i term. obr. met. no. 9 37-45 S '63.

IRON ORES
(see also subdivision under Angara Valley; Kerch Peninsula; Tomsk Province)
Effect of flocculants on the efficiency of dewatering iron concentrates. G. B. Delitsyna, F. S. Men'shchikov. Gor. zhur. no. 9:60-64 S '63.
Effect of iron minerals contained in ores on uranium oxidation in acid media. G. M. Alkhazashvili, G. M. Nesmelanova, L. N. Kuz'mina. Atom. energ. 15 no. 4: 313-317 O '63.
Effect of the density of the iron-ore pulp, in mixing it with reagents, on the flotation indices F. N. Belash, Kh. U. Kovai'chuk. Izv. vys. uchob zav., gor. zhur 6 no 3:184-188 '63.
Iron ore dressing plants in the U. S. A. and Canada. S. N. Zubarev. Gor. zhur no. 9 70-74 S '63.
Some problems in dewatering fine iron concentrates. V. I. Karmazin, L. P. Shupov Gor. zhur. no. 9:56-59 S '63.

IRON ORES—ANALYSIS
Technological study and estimation of iron ore deposits in prospecting. G. P. Boldyrev. Razved. i okh. nedr 29 no. 9 10-17 S '63.

IRON ORES—MAGNETIC PROPERTIES
Investigating the reduction process by changes in the magnetic properties of ores. Z. I. Nekrasov, N. A. Gladkov, B. N. Maimur. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no. 4:32-34 Jl-Ag '63.
Using the magnetic method to determine the reducibility of iron ores. N. I. Krasavtsev, B. V. Chekin, V. V. Chekin. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no 4: 35-38 Jl-Ag '63.

IRON OXIDES—ANALYSIS
Rapid determination of iron oxides and aluminum in sand. K. M. Funtikova, P. A. Sazonova, K. I. Begel'fer. Stek. i ker. 20 no. 10:40-41 O '63.

IRON-ZIRCONIUM ALLOYS
Intermediate phases in the iron - zirconium system. V. N. Svechnikov, V. M. Pan, A. TS. Spektor. Zhur. neorg. khim. 8 no. 9:2118-2123 S '63.

IRRIGATION
Bulakh, V. L., N. A. Solomentsev, and V. A. Chekmarev. [Fundamentals of hydrology and land improvement] Osnovy gidrologii i sel'skokhoziaistvennykh melioratsii. 2., dop. izd. Leningrad, Gidrometeoizdat, 1963. 366 p.
Shumakov, B. A., and B. B. Shumakov. [Basin snow-water irrigation] Limannoe oroshenie. Moskva, Izd-vo M-va sel'. khoz. RSFSR, 1963. 131 p.

IRRIGATION CANALS AND FLUMES see subdivision under Odessa Province

IRRIGATION FARMING see subdivision under Ingulets Valley; Kazakhstan

IRTYSH VALLEY—CLOTHING INDUSTRY
Others compete with us now. V. Gorelova. Nar. khoz. Kazakh. 21 no. 7:56 Jl '63.

IRTYSH VALLEY—DESCRIPTION AND TRAVEL
Across the Irtysh Valley. V. Boldyrev, S. Rozanov. Znan.-sila 38 no. 3:40-41 Mr '63.

ISHA VALLEY—PALEONTOLOGY, STRATIGRAPHIC
Fauna of Kameshki and Sanashtykgol horizons in the Dol'shaya Isha Valley in the Gornyy Altai. O. K. Poletaeva. Trudy SNIIGGIMS no. 24:97-106 '62.

ISHIM VALLEY—GRAPTOLITES
Some remarks on the graptolite zones in Ordovician sediments of the Ishim Valley (between Stavropol'skoye and Chernozubovka) Khe Go-tsi (Ho Kuo-chi) Vest. Mosk. un. Ser. 4 Geol. 18 no. 4:45-50 Jl-Ag '63

ISHIMBAY—HOUSING
Real owners of city property. V. Nikiforov. Sov. deput. trud. no. 6:18-22 Je '63

ISOBUTYRIC ACID
Complex formation of thorium with mandelic and α-hydroxyisobutyric acids. A. V. Lapitskii, I. Geletse-anu, IA. Mink. Radiokhimiia 5 no 2:249-253 '63.

ISOMERISM
Acidic-basic properties of geometrically isomeric complex compounds. A. A. Grinberg, Kh. I. Gil'dengershel', E. P. Pantileeva. Zhur. neorg. khim. 8 no. 10:2226-2231 O '63.
Compensation effect and the kinetic scale of trans-effect in complex compounds of platinum. B. I. Peshchevitskii, V. P. Kazakov Izv. SO AN SSSR no. 7, Ser. khim. nauk no. 2 20-28 '63.

ISOMERIZATION
Synthesis of tetrahydrofuran ketones and their isomerization to γ-diketones. N. I. Shubin and others. Dokl. AN SSSR 151 no. 6:1350-1351 Ag '63.

ISOPHTHALIC ACID
Nitroalkyd resins. Report No. 4: Polynitroesters based on terephthalic and isophthalic acids. L. M. Kozlov, V. I. Burmistrov, L. K. Abramovich. Trudy KKHTI no. 30:148-154 '62.

ISOPROPYL ALCOHOL
Synthesis of α -chloro-γ-nitroisopropyl alcohol from allyl chloride G Kh. Kamai and others Trudy KKHTI no. 30:120-124 '62.

ISOTOPES
Theory of isotope shifts. N. N. Kolesnikov, IU. P. Grigor'ev. Vest. Mosk. un. Ser. 3: Fiz., astron. 18 no. 3:32-42 My-Je '63.

ISRAEL—FOREIGN RELATIONS—SYRIA
For the 101st time. I. Sotnikov. Nov. vrem. 21 no. 38: 7-8 S '63.

ISRAEL—WOMEN—RIGHTS OF WOMEN
The position of women in Israel. Esther Vilenska. Az. i Afr. seg. no. 9:39-40 S '63.

ISSYK—BOOKSELLERS AND BOOKSELLING
Book friends' council. T. Il'ina. Koop. Kazakh. 6 no. 3: 31 Je '63.

ISSYKKUL' LAKE REGION—ARCHAEOLOGICAL EXPEDITIONS
Historical and topographic study of the Kay-Sary ancient site. D. F. Vinnik. Izv. AN Kir. SSR, Ser. obshchestv. nauk 5 no. 1:25-43 '63.

ISSYKKUL' LAKE REGION—OIL WELL DRILLING FLUIDS
Possibility of using clay from the Tertiary sediments of the Maiyy Orgochor anticline for making clay muds L. N. Vertunov, A. K. TSekhmeistriuk Izv. vys. uchob. zav.; neft' i gaz 4 no. 3:33-36 '61

ITALY—ARCHAEOLOGICAL EXPEDITIONS
A review of recent archaeological excavations in Asia Minor and Italy. L. P. Marinovich. Vest. drev. ist. no. 1:119-137 '63.

ITALY—ARMY
Italian army. A. Ryzhkov. Voen. vest. 43 no. 9:117-122 S '63.

ITALY—BANKS AND BANKING—GOVERNMENT OWNERSHIP
Long-term credit is a tool of state monopoly capitalism in Italy. L. Babyshev. Den. i kred. 21 no. 10:82-89 O '63.

ITALY—BUILDING
Use of structural elements in Italy. N. P. Mel'nikov. Prom. stroi. 40 [i. e. 41] no. 6:50-56 Je '63.

ITALY—COMMUNIST PARTY
Militant advance guard of workers in Italy. S. Vasil'ev. Komm. Vooruzh. Sil 3 no. 18 80-84 S '63

ITALY—CREDIT
Long-term credit is a tool of state monopoly capitalism in Italy. L. Babyshev. Den. i kred. 21 no. 10:82-89 O '63.

ITALY—DESCRIPTION AND TRAVEL
Arrival and departure on the same day; a travel sketch (to be continued). Leonid Lench and others. Znamia 33 no. 9:151-177 S '63.
Olives are growing through stones. Il'ia Glazunov. Ogonek 41 no. 40:28-29 S '63.

JAPAN—WORLD WAR, 1939-1945

American plans for the invasion of Japan in 1945. Voen.-ist. zhur. 5 no. 8:73-83 Ag '63

JAPAN SEA REGION—WINDS

Transformation of surface wind on the shores of the Sea of Japan north of 41° N. [with summary in English] Iu. A. Romanov. Trudy Inst. okean. 57:5-15 '62.

JAPANESE INSCRIPTIONS see Inscriptions, Japanese

JEHOVAH'S WITNESSES see subdivision under Transcarpathia

JERBOAS

Characteristics of the running of jerboas. I. M. Pol'in. Biul. MOIP Otd. biol. 68 no. 5:22-28 S-O '63.

JET PROPULSION

Motion of a point-limited body of variable mass with preset operating time. Iu. N. Ivanov. Prikl. mat. i mekh. 27 no. 5:854-861 S-O '63.

JETS

Experimental studies of the parameters of the stream of a jet-piercing burner. A. V. Brichkin and others. Izv. vys. ucheb. zav., gor. zhur. 6 no. 3:52-58 '63.

JETS—FLUID DYNAMICS

Methodology of high-pressure liquid jets [with summary in English]. A. A. Semerchan, M. A. Plotnikov. Inzh.-fiz. zhur. 6 no. 8:82-87 Ag '63.

JEWS—HISTORY

Joshua [to be continued]. A. V. Karev. Brat i vest. no. 3:22-35 '63.

JOGJAKARTA, INDONESIA—SILVERSMITHING

Jogjakarta silversmiths. L. Demin. Aziia i Afr. segodnia no. 9:49 S '63.

JOHNE'S DISEASE

Detection of Mycobacterium paratuberculosis in the sperm of bulls. I. I. Lukashev, V. I. Rotov, O. I. Rozhniatovskaia. Veterinariia 39 no. 9:28-30 S '62.

JOINTS—DISEASES

Roentgenological characteristics and some parallels in osteoarticular changes in the miners of Karaganda and Dzhezkazgan. L. A. Kul'bina. Zdrav. Kazakh. 23 no. 2:49-53 '63.

JOINTS (GEOLOGY)

Stability of fractured rocks. Iu. I. Martynov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 3:27-30 '63.

JOURNALISM
(see also subdivision under Caucasus, Northern; Hungary; Narva; Orenburg Province; Siberia; Virgin Territory)

Abramovich, A. V., and E. A. Lazarevich. [Practical work on literary editing] Praktikum po literaturnomu redaktirovaniiu. [Moskva] Izd-vo Mosk. univ. 1963. 398 p.

The author sent to the reader. L. Pivadov. Sov. pech. no. 7:31-33 Jl '63.

Both shorter and better. A. Sudachkov. Sov. pech. no. 9:31-32 S '63.

Bringing to light the beauty of the Soviet person. N. Deviatiarov. Sov. pech. no. 7:15-16 Jl '63.

But the tree of life grows splendidly green. I. Pekhtelev. Sov. pech. no. 8-38-39 Ag '63.

Esin, B. I. [Russian journalism in the 1870's and 1880's] Russkaia zhurnalistika 70 - 80-kh godov XIX veka. Pod red. A. V. Zapadova. [Moskva] Izd-vo Mosk. univ. 1963. 189 p.

The future belongs to them, to youth! Sov. pech. no. 9:18-23 S '63.

Ideological work and life; a newspaper survey. G. Borisov. Sov. pech. no. 5:13-16 My '63.

Is this the style of an educator? B. Gorelik. Sov. pech. no. 10:5-8 O '63.

Learn while teaching. D. Mamleev. Sov. pech. no. 8:25-27 Ag '63.

Letter to the newspaper. K. Taradankin, G. Mastelov. Sov. pech. no. 10:2-4 O '63.

Letters to the editor. Sov. pech. no. 7:52-53 Jl '63.

The mailman brought letters.... N. Nikolaev. Sov. pech. no. 9:39-40 S '63.

Man in the newspaper article. L. Varustin. Sov. pech. no. 9:24-28 S '63.

New measures for new work. K. Usebaev. Sov. pech. no. 7:13-15 Jl '63.

The party's weapons. A. Adzhubei. Sov. pech. no. 5:1-10 My '63.

The people's.... A. Lazebnikov. Sov. pech. no. 9:33-36 S '63.

Reach everybody! V. Drobyshevskii. Sov. pech. no. 10:18-20 O '63.

Roads beckoning afar. Sov. pech. no. 5:16-17 My '63.

Serve the advanced ideas of our time. N. Khrushchev. Sov. pech. no. 10:1 O '63.

There is still terrific.... P. Kamenchukov. Sov. pech. no. 8-11 O '63.

Those who set the tone.... A. Solodov. Sov. pech. no. 9:29-30 S '63.

Way to the newspaper. A. Borzunov. Sov. pech. no. 5:33 My '63.

Work glorifying man. A. Tkachenko. Sov. pech. no. 5:52-61 S '63.

JOURNALISM—ATHEISM

Journalists discuss the problem of [illegible]. Sov. pech. no. 7:4-7 My '63.

JOURNALISM—CONGRESSES

The fourth Plenum of the Directing Board of the Union of Journalists of the U.S.S.R. [illegible]. Sov. pech. no. 7:3-4 Jl '63.

Under the flag of unity. Sov. pech. no. 10 [illegible].

JOURNALISM—STUDY AND TEACHING

From the practice of Moscow [journalist]. [illegible]. Part. zhizn' no. 19:77-77 O '63.

Journalists begin to learn. N. Gilarov. [illegible]. Sov. pech. no. 5:55-56 Ag '63.

Why the smile vexpacka? P. Pavlinkov. [illegible]. Sov. pech. no. 8:34 O '63.

JOURNALISM, AGRICULTURAL

Springtime of work. I. Maslennikov. Sov. pech. no. 10:19 My '63.

JOURNALISM, COMMERCIAL

Examination of the economy. Sov. pech. no. 5:[illegible] '63.

JOURNALISM, LABOR
(see also subdivision under Krasnodar Territory)

Going to the construction site. Statements [illegible] in the press club. Sov. pech. no. 5:24-29 [illegible].

Under the rays of a searchlight. M. Shchedrin. Sov. pech. no. 8:15-17 Ag '63.

JOURNALISM, MILITARY

To the heart of a soldier. Sov. pech. no. 10:2 [illegible].

JOURNALISM, RELIGIOUS see subdivision under Transcarpathia

JOURNALISTS
(see also subdivision under Czechoslovakia)

International solidarity of journalists. P. Pavlov. Sov. pech. no. 8:51-55 Ag '63.

My friends, the journalists. Nadezhda Zaplatina. Sov. pech. no. 5:11-12 My '63.

The roads go on and on.... A. Gudimov. Sov. pech. no. 7:27-31 Jl '63.

JU-CHEN LANGUAGE—WRITING

Deciphering of "small" Ju-chen-Jurchen writing. [illegible] Shavkunov. Leipz. Vost. no. 1:5:140-154 '63.

JUDICIAL ERROR see subdivision under United States

JUMPING

Classification of exercises on the trampoline. L. P. Danilov. Teor. i prak. fiz. kul't. 26 no. [illegible]:1-3 '63.

Conquering the heights. Valerii Brumel'. Zarubezh. [illegible] no. 9:130-150 S '63.

JUSTICE, ADMINISTRATION OF
(see also subdivision under Vnkt District)

Current plenary session of the Supreme Court of the U.S.S.R. Sots. zakon. 40 no. 8:10-12 Ag '63.

Leninist methods in the work of Soviet courts. Sov. [illegible] no. 16:1-3 Ag '63.

Let us improve the forms of controlling the work of people's courts. Sov. just. no. 15:1-3 Ag '63.

Let us strictly observe Soviet laws and develop a socialist understanding of law. R. Rudenko. Sots. zakon. 10 no. 8:3-15 Ag '63.

JUSTICE, ADMINISTRATION OF—HANDBOOKS, MANUALS, ETC.

Gorshenin, K. P., ed. [Manual for people's assessors] Posobie dlia narodnykh zasedatelei. Moskva, Gorizdat, 1963. 318 p.

JUTE

Continuous line for the preparation of short jute fibers for spinning. L. V. Zavialova. Nauch.-issl. tsentr. TSNIILV 17:98-113 '62.

JUVENILE DELINQUENCY

Closing speeches of defense lawyers in juvenile delinquency cases. V. Blesin. Sov. just. no. 16:10-11 Ag '63.

Decisions of the plenary session of the Supreme Court of the U.S.S.R. Sov. just. no. 16:22-27 Ag '63.

A defense lawyer should be present when a minor is charged with a criminal offense and he should be allowed to see the accused. Vest. Mosk. un. Ser. 10: Pravo [illegible] no. 3:45-51 Jl-S '63.

JUVENILE DELINQUENCY (Continued)

Lovin, A. L. [Answering for each man] V otvete za cheloveka. Moskva, Izd-vo "Znamie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. X Seriia. Molodezh-nah, no. 18)

Role of the Soviet public in the struggle against juvenile delinquency. V. S. Pronina. Sov. gos. i pravo no. 10 89-97 O '59.

Special methods of investigating the criminal offenses committed by minors. N. Gukovskaia. Sots. zakon. 10 [illegible] 66-68 Ag '63.

KABARDINO-BALKAR A. S. S. R. —AGRICULTURE—STUDY AND TEACHING

Ecological hardening of youth. B. M. Zumakulov. Shkola i proizv. 7 no. 9 25-26 S '63.

KABARDINO-BALKAR A. S. S. R.—ETHNOLOGY

Ethnological structure of the settlements in Balkaria [in Georgian with summary in Russian] A. I. Robakidze Mat. po etn. Gruz. no. 12/13 187-197 '63.

KABARDINO-BALKAR A. S. S. R.—WHEAT—DISEASES AND PESTS

Agricultural practices in protecting winter crops. M. A. Kuznetsova. Zashch. rast. ot vred. i bol. 8 no. 8:17-18 Ag '63.

KABARDINO-BALKAR A. S. S. R.—ROOT ROT

Agricultural practices in protecting winter crops. M. A. Kuznetsova. Zashch. rast. ot vred. i bol. 8 no. 8:17-18 Ag '63.

KADZHARAN REGION—ENARGITE

Enargite and luzonite from the Kadzharan copper-molybdenite deposit. A. S. Faramazian, E. Kh. Khurshudian. Zap. Arm. otd. Vses. min. ob-va no. 2:5-17 '63.

KADZHARAN REGION—LUZONITE

Enargite and luzonite from the Kadzharan copper-molybdenite deposit. A. S. Faramazian, E. Kh. Khurshudian. Zap. Arm. otd. Vses. min. ob-va no. 2:5-17 '63.

KADZHARAN REGION—MINERALOGY

Mineralogy of ores of the Atkizskiy section in the Kadzharan deposit. R. N. Zarfian. Zap. Arm. otd. Vses. min. ob-va no. 2:22-26 '63.

KADZHARAN REGION—ORE DEPOSITS

Mineralogy of ores of the Atkizskiy section in the Kadzharan deposit. R. N. Zarfian. Zap. Arm. otd. Vses. min. ob-va no. 2 22-26 '63.

Pegmatite formations of the Kadzharan ore zone. K. A. Karamian, T. A. Arevshatian, A. M. Avakian. Zap. Arm. otd. Vses. min. ob-va no. 2 118-130 '63.

KADZHARAN REGION—PEGMATITES

Pegmatite formations of the Kadzharan ore zone. K. A. Karamian, T. A. Arevshatian, A. M. Avakian. Zap. Arm. otd. Vses. min. ob-va no. 2:118-130 '63.

KAFAN—MOLYBDENITE

Occurrence of molybdenite in the Kafan ore field linked with Upper Bajocian volcanic activity. IU. A. Fetc. Dokl. AN Arm. SSR 36 no. 3,169-172 '63.

KAGARLYK DISTRICT—STOCK AND STOCKBREEDING

First results of the introduction of a new animal husbandry system on collective farms. N. G. Grib. Zhivotnovodstvo 24 no. 5:43-45 My '62.

KALININ, ANATOLII

Life of the heart. G. Mitin. Znamia 33 no. 9:221-222 S '63.

KALININ, STEPAN ANDRIANOVICH

Kalinin, S. A. [Reflecting on the past] Razmyshliaia o minuvshem. Moskva, Voenizdat, 1963. 219 p. (Voennye memuary)

KALININ PROVINCE—AGRICULTURAL ADMINISTRATION

Specialization and the consolidation of weak farms. I. I. Kolytkov. Part. zhizn' no. 18:24-31 S '63.

KALININ PROVINCE—ARCHIVES

Kalinin. (Province) Gosudarstvennyi arkhiv. [Guide to the State Archives of Kalinin Province] Putevoditel'. Kalinin, Arkhivnyi otdel UVD Kalininskogo oblispolkoma, 1960. 351 p.
(MH)

KALININ PROVINCE—COOPERATIVE SOCIETIES

Let's give continuous attention to public control. G. Galin. Sov. potreb. koop. 7 no. 9:50-51 S '63.

KALININ PROVINCE—HOSPITAL CARE

Vishnevskaia, I. I., and A. A. Sokolov. [Medical care for the rural population at the Kalinin Province Hospital] Meditsinskoe obsluzhivanie sel'skogo naseleniia Kalininskoi oblastnoi bol'nitsei. Moskva, Medgiz, 1963. 106 p. (Peredo[illegible] opyt organizatsii zdravookhraneniia)
(DNLM)

KALININ PROVINCE—MEDICINE, RURAL

Vishnevskaia, I. I., and A. A. Sokolov. [Medical care for the rural population at the Kalinin Province Hospital] Meditsinskoe obsluzhivanie sel'skogo naseleniia Kalininskoi oblastnoi bol'nitsei. Moskva, Medgiz, 1963. 106 p. (Peredovoi opyt organizatsii zdravookhraneniia)
(DNLM)

KALININ PROVINCE—MOTORBUS LINES

More attention to passenger transportation. A. Kurusenko. Avt. transp. 41 no. 9 11-12 S '63.

KALININGRAD—DAY NURSERIES

Case No. 2-343. L. Zheleznova. Sov. profsoiuzy 19 no. 16 19 Ag '63.

KALININGRAD—MOTORBUS LINES

Motorbuses and taxicabs are under public control. A. Malinovtsev. Avt. transp. 41 no. 5:9 My '63.

KALININGRAD—TAXICABS

Motorbuses and taxicabs are under public control. A. Malinovtsev. Avt. transp. 41 no. 5:9 My '63.

KALININGRAD—TRADE UNIONS—OFFICERS

Case No. 2-343. L. Zheleznova. Sov. profsoiuzy 19 no. 16 19 Ag '63.

KALININGRAD PROVINCE—TECHNICAL SOCIETIES

Nonutilized potentialities. N. Stoliarov. NTO 5 no. 8 35-36 Ag '63.

KALMYK A. S. S. R.—COLLECTIVE FARMS—AUDITING AND INSPECTION

Results of the lack of control. A. I. Shcherbanev. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7 35-37 Jl '63.

KALMYKOVA, GALINA IVANOVNA

Thank you, Galina Ivanovna! V. Bocharova. Doshk. vosp. 25 no. 8 85-86 Ag '63.

KAMA VALLEY—FAULTS (GEOLOGY)

Disjunctive character of a series of tectonic dislocation in the lower Kama Valley. I. S. Egorov. Geol. neftii gaza 7 no. 8 45-50 Ag '63.

KAMA VALLEY—HYDRAULIC ENGINEERING

Major improvement methods of navigation conditions in the Kama Basin. N. Popov. Rech. transp. 22 no. 8:36-39 Ag '63.

KAMA VALLEY—LUMBER—TRANSPORTATION

Remote-patrol rafting in the Kama Basin. V. Biro. Les. prom. 41 no. 6 4-5 Je '63.

KAMA VALLEY—MINE RAILROADS—BRAKES

Braking force produced by 14KR-1 electric locomotives in potassium mines of the upper Kama deposit. B. N. Konkin, IU. M. Vyshinskii. Izv. vys. ucheb. zav., gor. zhur. 6 no. 8:88-89 '63.

KAMAI, GIL'M KHAIREVICH, 1901-

Gil'm Khairevich Kamai, on his sixtieth birthday. A. D. Nikolaeva, V. S. Nikolaev. Trudy KKHTI no. 30:3-10 '62.

KAMBONA, OSCAR, 1928-

Oscar Kambona. S. Sergeev. Mir. ekon. i mezhdunar. otn. no. 9 132-133 '63.

KAMCHATKA—CLIMATE

Brief climatic characteristics of the Kuril-Kamaga region [with summary in English]. V. G. Snopkov. Trudy Inst. okean. 57:3-8 '62.

KAMCHATKA—DESCRIPTION AND TRAVEL

Davydov, V. T. [Kamchatka; a travel album] Kamchatka; putevoi al'bom. Moskva, Sovetskii khudozhnik, 1962. 44 p. illus.

KAMCHATKA—GEOGRAPHY

First volume of the Kamchatka Branch of the Geographical Society. L. F. Kunitsyn, V. V. Nikol'skaia. Izv. AN SSSR. Ser. geog. no. 5:140-141 S-O '63.

KAMCHATKA—PHYSICAL GEOGRAPHY

Akademiia nauk SSSR. Institut geografii. [Natural conditions and the regionalization of Kamchatka Province] Prirodnye usloviia i raionirovanie Kamchatskoi oblasti. Moskva, Izd-vo Akad. nauk SSSR, 1963. 160 p.

KAOLIN see subdivision under Poloshki Region

KAOLINITE

Abstract, IU. P. Dybanl', Ogneupory 28 no. 9:430 '63.

KARA-KALPAK A. S. S. R.—GAS, NATURAL—GEOLOGY

Oil and gas potentials of the Kara-Kalpak A. S. S. R. A. M. Akramkhovdzhaev, IU. A. Fedotov. Uzb. geol. zhur. 7 no. 4:5-9 '63.

KARA-KALPAK A. S. S. R.—PETROLEUM GEOLOGY

Oil and gas potentials of the Kara-Kalpak A. S. S. R. A. M. Akramkhovdzhaev, IU. A. Fedotov. Uzb. geol. zhur. 7 no. 4:5-9 '63.

KARA SEA—HERRING

Herring with a low number of vertebrae in the Kara Sea. B. K. Moskalenko. Vop. ikht. 3 no. 3 441-446 '63.

KARABI-YAYLY MOUNTAIN—LIMESTONE—RADIOACTIVE PROPERTIES

Study of the radioactivity of karstic limestones of the Karabi-Yayly Mountain under natural conditions. V. V. Larionov. Trudy MINKHIGP no. 11:13-20 '63.

KARABI-YAYLY MOUNTAIN—ROCKS, CARBONATE—ELECTRIC PROPERTIES

Results of studying the electrical resistivity and self-polarization potentials of carbonate rocks of the karst complex of the Karabi-Yayly Mountain (Crimean Mountains). I. A. Koposov. Trudy MINKHIGP no. 11:8-12 '63.

KARACHEV REGION—POPLAR

Raising fast-growing species in the Karachev Forest Working Circle. N. V. Petrecev. Les. khoz. 16 no. 8 31-32 Ag '63.

KARADAG REGION—PETROLEUM PRODUCTION

Injecting viscous oil into the well bottom area. I. L. Grebennik. Neftepром. delo no. 6:29 '63.

KARADZHOV, STOIAN, 1905-

Stoian Karadzhov. Nov. vrem. 21 no. 40,30 O '63.

KARAGANDA—DISTRIBUTIVE EDUCATION

Theory is substantiated by practice, photoreport. IU. Baranov. Koop. Kazakh. 6 no. 3 35-37 Je '63.

KARAGANDA BASIN—BRIQUETS (FUEL)

It is possible to prevent losses. L. Timofeev, R. Drukker. Nar. khoz. Kazakh. 21 no. 1 37-39 Ap '63.

KARAGANDA BASIN—COAL—QUALITY CONTROL

It is possible to prevent losses. L. Timofeev, R. Drukker. Nar. khoz. Kazakh. 21 no. 1 37-39 Ap '63.

KARAGANDA BASIN—COAL MINES AND MINING—TECHNOLOGICAL INNOVATIONS

Path toward three-thousand tons a day. E. Krasovich. Nar. khoz. Kazakh. 21 no. 7 36-39 Jl '63.

KARAGANDA BASIN—GEOLOGY, STRUCTURAL

Geology of the northern margin of the Karaganda Basin. Pt. 2. O. A. Mazarovich. Vest. Mosk. un. Ser. 4, Geol. 18 no. 3 10-24 My-Je '63.

KARAGANDA BASIN—SHAFT SINKING

Rapid shaft sinking with parallel reinforcement. P. A. Aptenkar, V. P. Krokhin. Shakhtostroi. 7 no. 10 20-23 O '63.

KARAGANDA ECONOMIC REGION—CONSTRUCTION INDUSTRY—COSTS

The key to cost reduction. T. Shaukenbaev and others. Nar. khoz. Kazakh. 21 no. 4:31-33 Ap '63.

KARAGANDA ECONOMIC REGION—INDUSTRIAL PROCUREMENT

The key to cost reduction. T. Shaukenbaev and others. Nar. khoz. Kazakh. 21 no. 4 31-33 Ap '63.

KARAGANDA PROVINCE—MINERS—DISEASES AND HYGIENE

Roentgenological characteristics and some parallels in osteoarticular changes in the miners of Karaganda and Dzhezkazgan. L. A. Kul'kina. Zdrav. Kazakh. 23 no. 2:49-53 '63.

KARAGANDA PROVINCE—TECHNOLOGICAL INNOVATIONS

On the lack of coordination and its results. N. Podkidyshev. Nar. khoz. Kazakh. 21 no. 1:50-53 Ap '63.

KARAITES

Anthropological characteristics of the Karaites of Lithuania and Crimea. A. N. Pulianos. Vop. antr. no. 13: 116-133 '63.

KARAKATA DEPRESSION—WATER, UNDERGROUND

Underground water of the Karakata Depression. V. I. Laert, G. M. Shor. Uzb. geol. zhur. 7 no. 4,73-82 '63.

KARAKUM—PETROLEUM INDUSTRY

The youth of Kara Kum. K. Selikhov. Mol. komm. no. 6: 59-60 Je '63.

KARAKUM CANAL

Grinberg, L. M. [Karakum Canal] Karakumskii kanal. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 150 p.

KARATAU—FOLDS (GEOLOGY)

Modeling block folds of the Kara-Tau Range (southern Kazakhstan). O. S. Grum-Grzhimailo. Trudy MGRI 39:22-27 '63.

KARATAU—GEOLOGY, STRUCTURAL

[illegible] M. V. [Plate tectonics in the Karatau geosyncline] Osnovnye [illegible] Karatau, Rul'zhanskaia [illegible] Moskva, Izd-vo Akad. nauk SSR [With English abstract] 1963. 243 p.

KARELIA—CRUSTAL MOVEMENTS

[illegible] (Pleistocene glaciation) [illegible] T. S. Mel'nikova [illegible] 1963.

KARELIA—COPPER (NATIVE)

[illegible] Karelii, Leningrad, Izd-vo Leningr. un-ta, 24 p. illus. Mel'nikova.

KARELIA—GABBRO

[Geology and petrology of the Yelet'ozerskiy gabbroid massif in Karelia] Geologiia i petrografiia, petrologiia, mineralogiia] Geologiia i petrografiia Elet'ozerskogo massiva gabbroidnykh porod Karelii, kontsiia, petrografiia, petrologiia i metallogeniia [B.] Bianchi, V. I. Leningrad, Izd-vo Akad. nauk SSSR, 1963. 159 p.

KARELIA—LANDFORMS

Morphometric characteristics of the last glaciation in Karelia. G. S. [illegible] Leningrad, per. 21 30-40 '63.

KARELIA—LUMBERING—MACHINERY

Krasnoperov, A. M., and others. [Maintenance of machines at lumbering enterprises] Tekhnicheskoe obsluzhivanie mashin na lesozagotovitel'nykh predpriiatiiakh. Pod red. A. M. Krasnoperova. Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1963. 257 p.

KARELIA—MORAINES

Marginal forms of the last glacier in Karelia. G. S. Biske. Leningrad, per. 21 30-40 '63.

KAPKARAI DISTRICT—ROCKS, IGNEOUS

[illegible] types of tectonic structures in arid igneous rocks of the Kapkarai [illegible] district (central Kazakhstan). V. G. [illegible] Vest. Mosk. un-ta. Ser. 4, Geol. 18 no. 4, 37-51 Jl-Ag '63.

KARPENKO-KARYI, pseud. see Tobilevych, Ivan Karpovych, 1845-1907

KARSHI DISTRICT—GERBILS AS CARRIERS OF DISEASE

Breeding and distribution of sand flies (Phlebotominae) in the burrows of greater gerbils (Rhombomys opimus) [with summary in English]. A. V. Dolmatova, T. I. Dergacheva. Med. parazit. i parazit. bol. 32 no. 1 72-77 Ja-F '63.

KARSHI DISTRICT—SAND FLIES AS CARRIERS OF DISEASE

Breeding and distribution of sand flies (Phlebotominae) in the burrows of greater gerbils (Rhombomys opimus) [with summary in English]. A. V. Dolmatova, T. I. Dergacheva. Med. parazit. i parazit. bol. 32 no. 1 72-77 Ja-F '63.

KARST

(see also subdivision under Archangel Province, Dzerzhinsk region, Gorkiy Province, Estonia, Kazan region, Voronisovka region, Krasnodar Territory; Vyatka Oval)

V. L. Sochava as an investigator of karst. N. A. Gvozdetskii. Nov. kar. i spel. no. 3 19-18 '63.

Quaternary karst. F. V. Kotlov. Nov. kar. i spel. no. 3 42-41 '63.

Quaternary karst in some cities and industrial centers. F. V. Kotlov. Nov. kar. i spel. no. 3 42-45 '63.

Some problems of the history of karst processes in the Quaternary. N. I. Kriger. Nov. kar. i spel. no. 3 51-55 '63.

Use of aerial photographic surveying in studying karst. I. A. Brashnina. Nov. kar. i spel. no. 3 82-83 '63.

KARST—BIBLIOGRAPHY see Bibliography—Karst

KARST—MAPS

Map of karst rocks and karst phenomena of the European part of the U. S. S. R., the Urals, and the Caucasus made on a 1:2,500,000 scale. N. V. Rodionov. Nov. kar. i spel. no. 3 19-24 '63.

KARTALINIYA—ANTIQUITIES

Grigiliia, G. K. [Paleolithic discoveries in Kvemo-Kartlia, the TSopi I burial cave] Paleolit Kvemo Kartli, pogrebennaia peshchera TSopi I. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 130 p. illus. [In Georgian with summary in Russian]

KASHIN DISTRICT—RINGWORM

Treatment of animals infected with ringworm. M. Z. Semenov. Veterinariia 39 no. 11:36 N '62.

KASHIN DISTRICT—VETERINARY MEDICINE

Treatment of animals infected with ringworm. M. Z. Semenov. Veterinariia 39 no. 11 36 N '62.

KASHSHAI, ANTON MIKHAILOVICH, 1900-

Osipov, S'kyi, H. S. Anton Mykhailovych Kashshai. Moskva, Sovetskii pisatel, 1962. 78 p. illus. (MiU)

KASIIAN, VASYL', 1896-

Kasiian, V. I. [Vasyl' Illich Kasiian; album of reproductions] Vasyl' Illich Kasiian, [al'bom reproduktsii]. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1962. 11 p. illus. [In Ukrainian and Russian]

KASUMOV, MEKHBALY MAMEDOVICH, 1906-1963

Mekhbaly Mamedovich Kasumov, obituary. Vop. filos. 17 no. 8:181 '63.

KAUTSKY, KARL, 1854-1938

How V. I. Lenin's book "Proletarian revolution and the renegade Kautsky" should be studied. S. Titarenko. Polit. samoobr. 7 no. 10 98-104 O '63.

KAZAKHS see subdivision under Kzyl-Orda Province, Mangyshlak Peninsula

KAZAKHS—CRANIOLOGY

Anthropological characteristics of present-day Kazakhs based on craniological data. O. Ismagulov. Trudy Inst. etn. 82:65-05 '63.

Craniological data for the anthropological characterization of the present-day population of Kazakhstan. O. Ismagulov. Vop. antr. no. 13:134-139 '63.

KAZAKHSTAN—AGRICULTURE

Portnoi, I. L., and L. Levitin. [Those who look forward] Vpered smotriashchie. Alma-Ata, Kazakhskoe gos. izd-vo polit. lit-ry, 1962. 58 p. (CSt-H)

KAZAKHSTAN—ANABASIS (BOTANY)—DISEASES AND PESTS

Materials on the fauna and biology of the insect pests of Anabasis aphylla. S. K. Kulenova. Vest. sel'khoz. nauki [Kazakh.] 6 no. 7:87-90 Jl '63.

KAZAKHSTAN—ARCHAEOLOGICAL RESEARCH

"Detectives" of antiquities. I. Oudrnitski. Iun. tekh. 7 no. 8 49-51 Ag '63.

KAZAKHSTAN—AUDITING AND INSPECTION

Along the path pointed out by Lenin. A. Adilov. Nar. khoz. Kazakh. 21 no. 4:10-16 Ap '63.

KAZAKHSTAN—BAKERIES—FINANCE

Business accounting in bakeries. I. Petrova. Koop. Kazakh. 6 no. 3 52-53 Je '63.

KAZAKHSTAN—BARLEY—DISEASES AND PESTS

Semidry method for disinfecting barley seeds. N. N. Al'muratov. Zashch. rast. ot vred. i bol. 8 no. 4:22 Ap '63.

KAZAKHSTAN—BAUXITE—ANALYSIS

Gallium balance in bauxites. V. N. Lavrenchuk, V. A. Teniakov. Dokl. AN SSSR 151 no. 6:1130-1132 Ag '63.

KAZAKHSTAN—BEANS

Forage beans in virgin lands. G. N. Shilanov. Zhivotnovodstvo 24 no. 5:10-13 My '62.

KAZAKHSTAN—BEE CULTURE

Substituting the queen bee according to Filatov's method. F. T. Antropov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 8 92-94 Ag '63.

KAZAKHSTAN—BRONZE AGE

Paleoanthropology of Kazakhstan during the Bronze Age. O. Ismagulov. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR 18,153-173 '63.

KAZAKHSTAN—CALVES—FEEDING AND FEEDS

Substitutes for milk in rations for milk-fed calves. E. V. Khomiakova. Vest. sel'khoz. nauki [Kazakh.] 6 no. 7: 44-47 Jl '63.

KAZAKHSTAN—CANCER

Geographical characteristics of the distribution of malignant tumors in Kazakhstan. V. F. Dundur, A. B. Fainshmidt, B. K. Kazikin. Zdrav. Kazakh. 23 no. 2:23-27 '63.

Malignant tumors in persons of different age groups and sex. S. N. Nugmanov, A. B. Fainshmidt. Zdrav. Kazakh. 23 no. 2:12-15 '63.

KAZAKHSTAN—CARVING (ART INDUSTRIES)

Notes on bone and stone carving among the Kazakhs in the second half of the 19th and early 20th century. E. A. Masanov. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR 18 103-121 '63.

KAZAKHSTAN—CATTLE—DISEASES AND PESTS

Chemical prevention of Hemosporidia infections in cattle in southern Kazakhstan. I. I. Karpukhin. Vest. sel'khoz. nauki [Kazakh.] 6 no. 7:64-68 Jl '63.

KAZAKHSTAN—CATTLE BREEDING

Some morphological characteristics of [illegible] Red Steppe and Hereford cattle. [illegible] sel'khoz. nauki [Kazakh.] 6 no. 6:61 '63.

KAZAKHSTAN—CLOTHING INDUSTRY

Clothing monitor[illegible]. B. Perlin. [illegible] 21 no. 4:65 Ap '63.

KAZAKHSTAN—COMMUNIST PARTY OF [illegible] UNION

Chronicle of glorious deeds. [illegible] Nar. khoz. Kazakh. 21 no. [illegible] '63.

KAZAKHSTAN—COMMUNIST PARTY OF [illegible] UNION—PARTY WORK

Along the path pointed out by Lenin. [illegible] khoz. Kazakh. 21 no. 1:10-16 Ap '63.

In the Committee of Party and State [illegible] tral Committee of the Communist [illegible] and the Council of Ministers of the [illegible] Koop. Kazakh. 6 no. 1:8-10 Je '63.

KAZAKHSTAN—COMMUNIST YOUTH [illegible]

Land of heroic deeds of the Communist [illegible] A. Sadykov. Iun. tekh. 7 no. 8 1-6 Ag '63.

KAZAKHSTAN—CONSTRUCTION INDUSTRY [illegible]

Working capital, ... which does not work. [illegible] Z. Leonova. Nar. khoz. Kazakh. 21 [illegible] '63.

KAZAKHSTAN—CONSTRUCTION INDUSTRY—MANAGEMENT

Operation planning. M. Amatbaev. [illegible] Kazakh. 21 no. 1:68-71 Ap '63.

KAZAKHSTAN—COOPERATIVE SOCIETIES

For the benefit of the agricultural worker. [illegible] Koop. Kazakh. 6 no. 3 3-7 Je '63.

Who ate the honey; satire. S. Khamzina. [illegible] 6 no. 1 61-62 Je '63.

KAZAKHSTAN—COOPERATIVE SOCIETIES—AUDITING AND INSPECTION

In the Committee of Party and State Control [illegible] tral Committee of the Communist Party [illegible] and the Council of Ministers of the Kazakh [illegible] Koop. Kazakh. 6 no. 3:8-10 Je '63.

The plunderer will not escape punishment. [illegible] Koop. Kazakh. 6 no. 3:54-55 Je '63.

KAZAKHSTAN—COURTS

Kazakh S. S. R. Laws, statutes, etc. [Law [illegible] dial system of the Kazakh S. S. R. With [illegible] supplements introduced by the Law of the [illegible] of July 5, 1960] Zakon o sudoustroistve [illegible] SSR. S izmeneniiami i dopolneniiami, [illegible] Zakonom Kazakhskoi SSR ot 5 iiulia 1960 [illegible] Ata, Kazgosizdat, 1962. 64 p.

KAZAKHSTAN—CRIMINAL LAW

New legislative enactments of the Kazakh [illegible] shenov. Sov. gos. i pravo no. 10:98-[illegible] '63.

KAZAKHSTAN—CRIMINAL PROCEDURE

New legislative enactments of the Kazakh S. [illegible] shenov. Sov. gos. i pravo no. 10:98-[illegible] '63.

KAZAKHSTAN—DISTRIBUTIVE EDUCATION

Instill love for a future occupation. [illegible] panov. Koop. Kazakh. 6 no. 3 32-34 Je '63.

KAZAKHSTAN—ECONOMIC CONDITIONS

A valuable study on the building of socialism [illegible] stan and Central Asia. A. A. Alimushkina, [illegible] lev, V. P. Sheratobitov. Izv. AN Kir. SSR [illegible] stv. nauk 5 no. 1:83-84 '63.

KAZAKHSTAN—ECONOMIC POLICY

In the State Planning Committee of the Kazakh [illegible] Nar. khoz. Kazakh. 21 no. 7:10 Jl '63.

KAZAKHSTAN—ELECTRIC POWER PLANTS—DESIGN AND CONSTRUCTION

Assembly workers. I. Vasin. Nar. khoz. Kazakh. no. 7:53-54 Jl '63.

KAZAKHSTAN—EMBEZZLEMENT

Who ate the honey; satire. S. Khamzina. [illegible] 6 no. 3:61-62 Je '63.

KAZAKHSTAN—FARM MANAGEMENT

Efficient utilization of farmland. P. I. Gaevskii. Otd. geog. AN Kazakh. SSR no. 10:200-211 '63.

KAZAKHSTAN—FAULTS (GEOLOGY)

Spasskaya zone of central Kazakhstan and [illegible] of shift tectonics. A. I. Suvorov. Izv. AN SSSR, [illegible] geol. 28 no. 9:46-60 S '63.

KAZAKHSTAN—FIELD CROPS

Row crop cultivation and shelterbelt forestry. [illegible] tasov. Vest. sel'khoz. nauki [Kazakh.] 6 [illegible] Ag '63.

KAZAKHSTAN—FISHERIES

Utilize reservoir resources correctly. A. Semykin. Nar. khoz. Kazakh. 21 no. 7 64-66 Jl '63.

KAZAKHSTAN—FOREST INFLUENCES

Effect of forest stands on changes in the physical and chemical properties of dark Chestnut soils in western Kazakhstan [with summary in English] I. T. Stepanets. Pochvovedenie no. 9 75-84 Ag[i. e. S] '63.

KAZAKHSTAN—GAMES

"Togus-Kumalak," algebra of the shepherds. T. Sultanbekov. IUn. tekh. 7 no. 8, 66-71 Ag '63

KAZAKHSTAN—GEOGRAPHY—TERMINOLOGY

Several local landform terms. A. V. Chigarkin Trudy Otd. geog. AN Kazakh. SSR no. 10 51-53 '63.

KAZAKHSTAN—GEOLOGY, ECONOMIC

The minister of geology of Kazakhstan Sh. Esenov talks about the wealth of virgin deposits. IUn tekh. 7 no. 9: 15-18 Ag '63.

KAZAKHSTAN—GEOMORPHOLOGY

Morphostructural analysis of central Kazakhstan. G. Z. Popova. Trudy Otd. geog. AN Kazakh. SSR no. 10 87-96 '63.

KAZAKHSTAN—GRANITE

Porphyroblastic granites of the Zerenda Massif (northern Kazakhstan). V. I. Serykh, N. IA. IAshchenko. Izv. AN SSSR. Ser. geol. 28 no. 9, 34-45 S '63.

KAZAKHSTAN—HEMOSPORIDIA

Chemical prevention of Hemosporidia infections in cattle in southern Kazakhstan. I. I. Karpukhin. Vest. sel'khoz. nauki [Kazakh.] 6 no. 7: 64-68 Jl '63.

KAZAKHSTAN—HISTORY

Against the distortion of the history of Central Asia and Kazakhstan. V. M. Ustinov. Vop. ist. 38 no. 9: 160-163 S '63.

"Uprising of 1916 in Central Asia and Kazakhstan" by Kh. Tursunov. Reviewed by T. Eleuov. Vop. ist. 38 no. 9: 208-210 S '63.

KAZAKHSTAN—INDUSTRIAL EQUIPMENT—MAINTENANCE AND REPAIR

So they decided to write it off as scrap metal. . . S. Il'in. Nar. khoz. Kazakh. 21 no. 4: 17-20 Ap '63.

KAZAKHSTAN—INDUSTRIAL HYGIENE

Bastion of communism. S. Bursanovskii. Okhr. truda i sots. strakh. 6 no. 8: 3-6 Ag '63.

KAZAKHSTAN—INDUSTRIAL HYGIENE—PERIODICALS

Training of volunteer correspondents. Okhr. truda i sots. strakh. 6 no. 9. 19 S '63.

KAZAKHSTAN—INDUSTRIAL MANAGEMENT

Decisive force of economic development. Nar. khoz Kazakh. 21 no. 4: 4-9 Ap '63.

KAZAKHSTAN—INDUSTRIAL PROCUREMENT

Reorganization is necessary. V. Vasil'ev. Nar. khoz. Kazakh. 21 no. 7: 73-75 Jl '63.

KAZAKHSTAN—INSECTS, INJURIOUS AND BENEFICIAL

Materials on the fauna and biology of the insect pests of Anabasis aphylla. S. K. Kulenova. Vest. sel'khoz. nauki [Kazakh.] 6 no. 7: 87-90 Jl '63.

KAZAKHSTAN—IRRIGATION FARMING

Some problems of the irrigation technique in the foothills of Kazakhstan. P. V. Gershunov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 8: 84-91 Ag '63.

KAZAKHSTAN—LABOR PRODUCTIVITY

Labor productivity in Kazakhstan industry. Nar. khoz. Kazakh. 21 no. 4: 66-67 Ap '63.

KAZAKHSTAN—LANDFORMS—MAPS

Scaling the legend of a landform map of Kazakhstan. I. I. Mamai. Mat. Kom. po land. kart. no. 2. 31-44 '62.

KAZAKHSTAN—MACHINE ACCOUNTING

Mechanize the preparation of original documentation. V. Radostovets. Nar. khoz. Kazakh. 21 no. 4: 39-42 Ap '63.

KAZAKHSTAN—MEDICINE, POPULAR

Sources of Kazakh popular medicine. P. N. Chernobrov. Zdrav. Kazakh. 23 no. 2: 77-80 '63.

KAZAKHSTAN—MINES AND MINERAL RESOURCES

When the prognosis of the prospecting maps comes true. G. B. Zhilinskii. IUn. tekh. 7 no. 8: 19-22 Ag '63.

KAZAKHSTAN—MINING ENGINEERING—SAFETY MEASURES

Bastion of communism. S. Bursanovskii. Okhr. truda i sots. strakh. 6 no. 8. 3-6 Ag '63.

KAZAKHSTAN—MOUNTAINS

Morphological structure of the mountain landforms of southeastern Kazakhstan. M. Sh. Ishankulov. Trudy Otd. geog. AN Kazakh. SSR no. 10. 28-39 '63.

KAZAKHSTAN—MUSKRATS

Strautman, E. I. [Muskrats in Kazakhstan] Ondatra v Kazakhstane. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 229 p.

KAZAKHSTAN—MYCOBACTERIUM TUBERCULOSIS

Importance of the types of Mycobacterium tuberculosis in Kazakhstan. K. I. Odarenko. Vest. sel'khoz. nauki [Kazakh.] 6 no. 7: 53-63 '63.

KAZAKHSTAN—NONFERROUS METALS—METALLURGY

Powerful intensifier. Sh. Balgozhin. Nar. khoz. Kazakh. 21 no. 7 24-27 Jl '63.

KAZAKHSTAN—NUCLEAR PHYSICS—RESEARCH

Report from the high-altitude Tien Shan station for cosmic ray research. L. Golovanov IUn tekh. 7 no. 8: 33-38 Ag '63.

KAZAKHSTAN—PARASITES—UNGULATA

Boev, S. N., I. B. Sokolova, and V. IA. Panin. [Helminths of Ungulata in Kazakhstan in two volumes] Gel'minty kopytnykh zhivotnykh Kazakhstana v dvukh tomakh. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR Vol 2 1963. 535 p

KAZAKHSTAN—PIKAS

Distribution of the steppe pika and some features of its ecology in western Kazakhstan [with summary in English] IU A Dubrovskii Biul MOIP Otd biol 68 no. 4 44-49 Jl-Ag '63.

KAZAKHSTAN—PLANTS, PROTECTION OF—CONGRESSES

Fourth Coordinating Conference on Plant Protection in Kazakhstan. Zh. T. Dzhlembaev. Vest. sel'khoz nauki [Kazakh.] 6 no. 8 95-96 Ag '63.

KAZAKHSTAN—POPLAR

Fast-growing species in western Kazakhstan. L. A. Kniazeva, G. P. Orekhova. Les. khoz. 16 no. 8 33-36 Ag '63.

KAZAKHSTAN—POULTRY BREEDS

Judging the Australorp and Rhode Island chickens raised in southeastern Kazakhstan. O. V. Balamina, N. P Shchel'nov, L. I. Levina Vest. sel'khoz. nauki [Kazakh.] 6 no 8: 50-59 Ag '63.

KAZAKHSTAN—PRECAST CONCRETE

Centralization and concentration are the way out of a closed circle. R. Rasseulov. Nar. khoz. Kazakh. 21 no. 7. 61-63 Jl '63.

KAZAKHSTAN—PUBLIC PROSECUTORS

Let us study and disseminate the progressive experience of the best prosecutors and investigators. V. Kim. Sots. zakon. 40 no. 8: 64-65 Ag '63.

KAZAKHSTAN—RAILROADS—MAINTENANCE AND REPAIR

Excellent track maintenance in the division. K. I. Dovbnia. Put' i put. khoz. 7 no. 9: 22-23 '63.

KAZAKHSTAN—RESEARCH—COSTS

Account for all expenditures. V. Sokolov. Nar. khoz. Kazakh. 21 no. 7 32-33 Jl '63.

KAZAKHSTAN—RETAIL TRADE—CONGRESSES

Give farm workers daily care and attention. Koop. Kazakh. 6 no. 3: 47-50 Je '63.

KAZAKHSTAN—RITES AND CEREMONIES

Brianov, V. A. [New traditions and holidays] Novye traditsii i prazdniki. Alma-Ata, 1962. 47 p. (Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Kazakhskoi SSR. Serita: Kommunisticheskoe vospitanie molodezhi, no. 3)

KAZAKHSTAN—ROSES

History of rose culture in Central Asia and Kazakhstan. K. L. Sushkov. Trudy Alma-At. bot. sada 7. 3-49 '63.

KAZAKHSTAN—SERVICE INDUSTRIES

In great debt to the population. I. Ivanov. Nar. khoz. Kazakh. 21 no. 7: 48-52 Jl '63.

KAZAKHSTAN—SHEEP

Consolidated shepherd brigade as an important condition for the development of sheep raising. M. A. Govar. Vest. selk'khoz. nauki [Kazakh.] 6 no. 8: 9-18 Ag '63.

Economic accountability on farms and material stimulation in sheep raising. V. A. Abdullin. Vest. sel'khoz. nauki [Kazakh.] 6 no. 8: 3-9 Ag '63.

Efficient organization of work in sheep raising. N. I. Legantseva. Vest. sel'khoz. nauki [Kazakh.] 6 no. 8: 16-23 Ag '63.

Using the early maturing meat-type medium-fine wool sheep of the new Hampshire strain for increasing the production of lamb. E. F. Chebotov. Vest. sel'khoz nauki [Kazakh.] 6 no. 8: 44-50 Ag '63.

KAZAKHSTAN—SOILS

"Dzharyk" soils. N. N. Rolyshev. Pochvovedenie no. 9 39-48 Ag[i. e. S] '63.

Effect of forest stands on changes in the physical and chemical properties of dark Chestnut soils in western Kazakhstan [with summary in English] I. T. Stepanets. Pochvovedenie no. 9: 75-84 Ag[i. e. S] '63.

KAZAKHSTAN—STATE FARMS

Virgin lands, people and grain. N Limonov. Smena 40 no. 16 6-7 Ag '63.

KAZAKHSTAN—STOCK AND STOCKBREEDING

Developing stockbreeding in central Kazakhstan. S. A. Abdrakhmanov. Trudy Otd. geog AN Kazakh. SSR no. 10 186-191 '63.

Two-year plan of the Communist Youth League and stock breeding. IUn tekh. 7 no. 8 15 Ag '63.

KAZAKHSTAN—SUGAR BEETS—ANALYSIS

Chemical composition and quality of monospermous sugar beets. N. A. Nechiporenko, L. I. Drachkova. Vest. sel'khoz. nauki [Kazakh.] 6 no. 7: 6-13 Jl '63.

KAZAKHSTAN—SWAMPS

Pseudovolcanic cones in central Kazakhstan. M. Zh. Zhandarov. Trudy Otd. geog. AN Kazakh. SSR no. 10. 103-106 '63.

KAZAKHSTAN—TABULATA

New genus Acnolites (Favositida) from the Upper Silurian in Kazakhstan. T. T. Sharkova. Paleont. zhur. no. 3: 117-119 '63.

KAZAKHSTAN—TECHNICIANS IN INDUSTRY

Decisive force of economic development. Nar khoz Kazakh 21 no. 4. 4-9 Ap '63

KAZAKHSTAN—TITANIUM

Kazakhstan has titanium! IUn. tekh. 7 no. 8 11 Ag '63.

KAZAKHSTAN—TOBACCO

Effect of boron, copper, and manganese on some physiological and biochemical processes and the yield of tobacco. T. B. Daikanbaev, Zh. Kalekenov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 7: 28-33 Jl '63.

KAZAKHSTAN—TUBERCULOSIS IN ANIMALS

Importance of the types of Mycobacterium tuberculosis in Kazakhstan. K. I. Odarenko. Vest. sel'khoz. nauki [Kazakh.] 6 no. 7: 53-63 '63.

KAZAKHSTAN—WINDBREAKS, SHELTERBELTS, ETC.

Row crop cultivation and shelterbelt forestry. A. N. Protasov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 8: 24-28 Ag '63.

KAZAKHSTAN—WORMS, INTESTINAL AND PARASITIC

Boev, S. N., I. B. Sokolova, and V. IA. Panin. [Helminths of Ungulata in Kazakhstan in two volumes] Gel'minty kopytnykh zhivotnykh Kazakhstana v dvukh tomakh. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR Vol 2. 1963 535 p

KAZAN—LABOR COURTS

Try to settle the disputes without a trial, even if it were a trial by a fellow workers' court. G. Novikov. Sov. deput. trud. no. 7: 62-64 Je '63.

KAZAN GOVERNMENT—SOCIAL CONDITIONS

Lebedev, A., and A. Shishkin. [Committees of the Poor in Tatariia] Komitety derevenskoi bednoty Tatarii. Kazan', Tatarskoe knizhnoe izd-vo, 1961. 95 p. (Mil)

KAZAN REGION—KARST

Influence of Kuybyshev Reservoir on the development of karst-suffusion processes in the Kazan region. M. S. Kuveev. Nov. kar. i spel. no. 3: 25-29 '63.

KAZRETI REGION—TURQUOISE

Turquoise from the Madneuli deposit (Georgian S.S.R.) [with summary in English]. G. V. Gvakharia, IU. I. Nazarov. Min. sbor. no. 16: 110-115 '62.

KEATS, JOHN, 1795-1821

Aesthetic views of Keats. N. D'iakonova. Vop. lit. 7 no. 8: 91-103 Ag 63.

KEDABEK REGION—ORE DEPOSITS

Kerimov, G. I. [Petrology and ore potential of the Kedabek ore deposit (Azerbaijan S. S. R.). Petrologiia i rudonosnost' Kedabekskogo rudnogo uzla (Azerbaidzhanskaia SSR). Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 223 p.

KEDROVAYA PAD' PRESERVE—FUNGI IMPERFECTI

Entomophilous fungi of the class Deuteromycetes from the southern part of the Maritime Territory. E. Z. Koval'. Bot. mat. Otd. spor. rast. 16: 104-108 '63.

KEDROVAYA PAD' PRESERVE—LEOTIA

Species of the genus Leotia Fr. from the southern part of the Maritime Territory. E. Z. Koval'. Bot. mat. Otd. spor. rast. 16: 101-103 '63.

—COCCOPHAERELLA

—PASTURES AND MEADOWS

—SOD-PODZOL

—TRANSPORTATION

—COAL MINES AND MINING—

—ROADS—MAINTENANCE AND

KHABAROVSK TERRITORY—ANIMALS AS CARRIERS OF DISEASE
Circulation of the virus of tick-borne encephalitis in nature [with summary in English], A. Z. Feoktisov, Med. paraz. i parazit. bol. 32 no. 1 35-39 Ja-F '63.

KHABAROVSK TERRITORY—BOTANY
Notes on the expedition to regions of Khabarovsk Territory and to the southern regions of Sakhalin. N. V. Vologdina. Trudy Aima-At. bot. sada 7 139-148 '63.

KHABAROVSK TERRITORY—ENCEPHALITIS VIRUSES
Circulation of the virus of tick-borne encephalitis in nature [with summary in English]. A. Z. Feoktisov, Med. paraz. i parazit. bol. 32 no. 1 35-39 Ja-F '63.

KHADYZHENSK—SOIL FUNGI
New soil fungi. O. P. Kamyshko. Bot. mat. Otd. spor. rast. 16:95-99 '63.

KHAKASS AUTONOMOUS PROVINCE—FORESTS AND FORESTRY
Possibilities of increasing the procurement of seeds. N. Savushkin. Les. khoz. 16 no. 3:87 Mr '63.

KHAKASS AUTONOMOUS PROVINCE—SEED PRODUCTION
Possibilities of increasing the procurement of seeds. N. Savushkin. Les. khoz. 16 no. 3:87 Mr '63.

KHAKASS AUTONOMOUS PROVINCE—SOVIETS
To review means to lend a helping hand. A. Bullakh. Sov. deput. trud. no. 9:32-39 S '63.

KHARABALI DISTRICT—ARTHROPODA
Number and spatial distribution of the micropopulations of bloodsucking Arthropoda within the microbiotopes of the suslik Citellus pygmaeus [with summary in English]. E. N. Nel'zina, G. M. Danilova, N. I. Chernova. Med. paraz. i parazit. bol. 32 no. 1 45-55 Ja-F '63.

KHARABALI DISTRICT—PARASITES—SUSLIKS
Number and spatial distribution of the micropopulations of bloodsucking Arthropoda within the microbiotopes of the suslik Citellus pygmaeus [with summary in English]. E. N. Nel'zina, G. M. Danilova, N. I. Chernova. Med. paraz. i parazit. bol. 32 no. 1:45-55 Ja-F '63.

KHARKOV—BICYCLES AND TRICYCLES
Automatic line for manufacturing bicycle shields. A. G. Klein. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:36-37 '63.

KHARKOV—DELIVERY OF GOODS
Delivery of notions in containers. N. Klepikov. Sov. torg. 36 no. 9 25-27 S '63.

KHARKOV—MATHEMATICS
Mathematics at Kharkov, 1959-1962. N. I. Akhiezer, A. D. Myshkis. Usp. mat. nauk 18 no. 3:245-250 My-Je '63.

KHARKOV—NOTIONS (MERCHANDISE)
Delivery of notions in containers. N. Klepikov. Sov. torg. 36 no. 9 25-27 S '63.

KHARKOV—SERVICE INDUSTRIES
Reaching new milestones. P. Skibin. Meat. prom. i khud. promys. 4 no. 4:14-15 Ap '63.

KHARKOV—STUDENTS, CUBAN
"Milicianos" are at their posts again. V. Tamarin. Smena 40 no. 14 18-19 Jl '63.

KHARKOV, BATTLE OF, 1943
Military operations in the Kharkov region. I. Konev. Voen.-ist. zhur. 5 no. 8:49-61 Ag '63.

KHARKOV ECONOMIC REGION—INDUSTRIAL ORGANIZATION
Specialization is the means for efficient labor organization. O. Saich. Sots. trud 8 no. 9 70-75 S '63.

KHARKOV PROVINCE—DISTILLING INDUSTRIES—EQUIPMENT AND SUPPLIES
Experience of the Budylskii Distillery in the reconstruction of its equipment. IA. A. Sen'ko, I. P. Begma. Spirt. prom. 28 no. 6:37-38 '62.

KHARKOV PROVINCE—INDUSTRIAL HYGIENE
Mutual control in operation. I. Kirienko. Okhr. truda i sots. strakh. 6 no. 8:22 Ag '63.

KHARKOV PROVINCE—OBSTETRICS
Rural obstetrical service in Kharkov Province. I. I. Grishchenko. Akush. i gin. no. 2 103-105 '63.

KHARKOV PROVINCE—PARATYPHOID FEVER
Treatment of piglets infected with paratyphoid fever. V. M. Novikov, V. A. Fortushnyi, V. D. Shuliak. Veterinariia 39 no. 11:42-44 N '62.

KHARKOV PROVINCE—SERVICE INDUSTRIES
Marfa Khil'chenko did not go into the field,... Yu. Falatov. Sov. profsoiuzy 19 no. 16:14-16 Ag '63.

KHARKOV PROVINCE—STATE FARMS
Marfa Khil'chenko did not go into the field,... Yu. Falatov. Sov. profsoiuzy 19 no. 16 14-16 Ag '63.

KHARKOV PROVINCE—SWINE—DISEASES
Treatment of piglets infected with paratyphoid fever. V. M. Novikov, V. A. Fortushnyi, V. D. Shuliak. Veterinariia 39 no. 11:42-44 N '62.

KHASKIND, MAKS-DANILOVICH, 1913-1963
M. D. Khaskind; obituary. Radiotekh. i elektron. 7 no. 10:1799 O '63.

KHERSON—LITERARY RESEARCH
A conference in Kherson. N. P. Lukyan. Russ. i sov. lit. no. 4:152 Jl-Ag '63.

KHIBINY MOUNTAINS—BARITE
Supergene barite in the Khibiny alkali massif. M. D. Dorfman, T. A. Burova. Trudy Min. muz. no. 14:225 '63.

KHIBINY MOUNTAINS—EUCOLITE
Rare-earth eucolite from the Khibiny Mountains. A. P. Annenkova, V. A. Moleva. Trudy Min. muz. no. 14:204 '63.

KHIBINY MOUNTAINS—MORAINES
Final moraine formations in the Khibiny Mountains. A. D. Armand. Trudy Kom. chetv. per. 21:91-96 '63.

KHIBINY MOUNTAINS—NEPHELINE SYENITE
Supergene sodium phosphate in nepheline syenite of the Khibiny Mountains. M. D. Dorfman, K. K. Ushakova. Trudy Min. muz. no. 14:226-230 '63.

KHIBINY MOUNTAINS—SODIUM PHOSPHATE
Supergene sodium phosphate in nepheline syenite of the Khibiny Mountains. M. D. Dorfman, K. K. Ushakova. Trudy Min. muz. no. 14:226-230 '63.

KHIBINY MOUNTAINS—WILLOWS
Morphological and anatomical structure of the annual shoot of Salix reticulata L. T. G. Dorofeeva. Biul. MOIP. Otd. biol. 68 no. 4:64-71 Jl-Ag '63.

KHMEL'NITSKIY PROVINCE—CATTLE—DISEASES AND PESTS
Characteristics of stachybotryotoxicosis [with summary in English]. V. F. Matusevich, [illegible], V. A. Rozhdestvenskii. Veterinariia 39 no. 8:25 S '62.

KHMEL'NITSKIY PROVINCE—STACHYBOTRYOTOXICOSIS
Characteristics of stachybotryotoxicosis [with summary in English]. V. F. Matusevich, [illegible], V. A. Rozhdestvenskii. Veterinariia 39 no. 8:25 S '62.

KHODARY—RURAL LIBRARIES
Good word. A. Uzilan. Ogonek 41 no. 21:[illegible]

KHOKHRIAKOV, SEMEN
Against forty. Voen. znan. 39 no. 9:24 S '63.

KHOSROV REGION—NATURE STUDY
Gellikman, B. O., and K. A. Airumian. [Nature and fauna of the Khosrov region] Priroda i fauna Khosrovskogo zapovednika. Erevan, Izd-vo Glav. upr. sel'skhoz. nauk Ministerstva sel'skogo khoziaistva Armianskoi SSR, 1959. 81 p. [MICROFILM]

KHOSROV REGION—ZOOLOGY
Gellikman, B. O., and K. A. Airumian. [Nature and fauna of the Khosrov region] Priroda i fauna Khosrovskogo zapovednika. Erevan, Izd-vo Glav. upr. sel'skhoz. nauk Ministerstva sel'skogo khoziaistva Armianskoi SSR, 1959. 81 p. [MICROFILM]

KHRUSHCHEV, NIKITA SERGEEVICH, 1894-
Great event in the ideological life of the party. [illegible] no. 5:46 My '63.

KHUZANGAI, PEDER
Road to undiscovered lands. G. Korniilova. [illegible] 33 no. 9:219-220 S '63.

KIBAL'CHIK, NIKOLAI IVANOVICH, 1853-1881
BIOGRAPHY see Bibliography—Kibal'chik, Nikolai Ivanovich, 1853-1881

KIDNEY BEAN
Hrushko, M. F. [Garden peas and kidney bean.] Ovochevi horokh i kvasolia. Kyiv, Derzhsil'hospvydav URSR, 1963. 64 p. (DNAL)

KIDNEY FUNCTION TESTS
Change in the filtration and reabsorption function of the kidneys in saturnism, an experimental study. M. [illegible] Iskakova. Izv. AN Kazakh. SSR. Ser. med. nauk no. 2:61-67 '63.

Function of the kidneys in mercuric chloride poisoning before and after their denervation [with summary in English]. G. A. Gaidina, G. G. Molkumova. Pat. fiziol. i eksp. terap. 7 no. 2 41-46 Mr-Ap '63.

KIDNEYS—BLOOD SUPPLY

Changes in the renal blood flow in chronic lead poisoning, an experimental study. R. G. Iskakova Izv AN Kazakh SSR. Ser. med. nauk no 2:58-61 '63

KIDNEYS—DISEASES

Bilateral pyonephrosis in a 6-months-old child M S Senik. Pediatriia 42 no 1 64 Ja '63.

Comparative study of lipids and lipoproteins in the blood serum in lipoid nephrotic syndrome and atherosclerosis A A. Zhukova. Terap. arkh. 35 no 2 70-77 F '63.

Disorder in kidney function following changes in the urine during scarlet fever [with summary in English] Z G. Bulatkina, E. I. Tal'vik. Pediatriia 42 no. 1 12-15 Ja '63.

Experimental study of acute renal insufficiency following complications during blood transfusion [with summary in English]. V. A Agranenko, R V Nedoshivina Pat. fiziol i eksp terap. 7 no 1,71-74 Ja-F '63

State of the ear and the upper respiratory tracts in infectious hemorrhagic nephroso-nephritis. IA. L. IAroslavskii. Zhur. ush., nos. i gor. bol. 23 no. 4' 66 Jl-Ag '63.

Treatment of acute renal insufficiency by intraperitoneal dialysis. I. I. Isakov, S. G. Grokhotova. Terap. arkh. 35 no. 2 105-107 F '63.

KIDNEYS—INNERVATION

Function of the kidneys in mercuric chloride poisoning before and after their denervation [with summary in English]. G A. Gaidina, G G Melkumova Pat fiziol i eksp. terap 7 no 2 41-46 Mr-Ap '63

KIDNEYS—SURGERY

Filtration and reabsorption processes in the kidneys after omentorenopexy in portal hypertension [with summary in English]. IA. M Litvak. Pat. fiziol i eksp terap 7 no 1:56-61 Ja-F '63

KIEV—AIR, IONIZED—PHYSIOLOGICAL EFFECT

Moderately increased concentration of light ions in the air and their hygienic importance [with summary in English]. IU. D Dumanskii Vrach. delo no 9 114-118 S '63

KIEV—CITY PLANNING

City of the Sun B Pryimak. Nauka i zhyttia 13 no 7 32-35 Jl '63

KIEV, EDUCATION, ELEMENTARY

And tomorrow there will be new frontiers. R. O. Makeymenko, M. O. Koblakov. Rad. shk. 42 no. 9:51-56 S '63.

KIEV—EXHIBITIONS

Citizens of Kiev become acquainted with Yugoslav manufactures. Vs. Vedin. Vnesh. torg. 43 no. 9:10-11 '63.

KIEV—FOOD, FROZEN

"Frozen food" store. V. Maksuev. Sov. torg. 36 no. 9: 24-25 S '63.

KIEV—FURNITURE INDUSTRY

Line for imitation finishing of furniture panels. I. D. Iehin. Der. prom. 12 no. 6:17-18 Je '63.

KIEV—HISTORY

Akademiia nauk URSR, Kiev. Instytut istorii. [History of Kiev in two volumes] Istoriia Kyieva v dvokh tomakh. Red. kollegiia: V O. Holobuts'kyi ta insh. Kyiv, Vyd-vo Akad nauk URSR.
Vol. 1. 1960 801 p.

KIEV—HOUSING

City of the Sun. B. Pryimak Nauka i zhyttia 13 no. 7, 32-35 Jl '63

KIEV—HYDROPONICS

Plantations on rocks. IE. Alliev, A Pashkivs'kyi. Znan. ta pratsia no. 3:21-22 Mr '63.

KIEV—LABOR COURTS

Fellow workers' court of a shoe factory. P. Tarasiuk. Rad. pravo no. 3 42-44 My-Je '63.

KIEV—LITERARY RESEARCH

Literary research in Kiev University. B. Dziuba. Rad. lit. 7 no. 4:155 Jl-Ag '63.

KIEV—MANUSCRIPTS, UKRAINIAN

New manuscripts acquired by the T. H. Shevchenko Institute of Literature. A. M. Polotai. Rad. lit. 7 no. 3:151-153 My-Je '63.

KIEV—PLASTICS INDUSTRY—EQUIPMENT AND SUPPLIES

Two-roll calendar for the manufacture of tiles. K. S. Malenko. Khim. mashinostr. no. 5:38-39 S-O '63

KIEV—TEACHERS, TRAINING OF

Training of teachers by schools. I. Shcherbakova. Doshk. vykh. 24 no. 5:46 My '63.

KIEV—TRAFFIC POLICE

An accomplished life. S. Kruzhkov. Zap bezop. dvizh. 6 no. 7:3-4 Jl '63.

KIEV—TRANSPORTATION, AUTOMOTIVE

Unity of word and deed. K. Baital'skaia. Avt. transp 41 no. 10:5-6 O '63.

KIEV—VEGETABLE GARDENING

Plantations on rocks IE. Alliev, A Pashkivs'kyi Znan ta pratsia no. 3:21-22 Mr '63.

KIEV—VETERINARY LABORATORIES

Ukrainian Laboratory of Veterinary Bacteriology. IU. P Smilan Veterinariia 39 no 11 18-25 N '62

KIEV—WORLD WAR, 1939-1945

In the first months of the war. V. M. IArkhunov. Vest. protivovozd obor. no 11,74-75 N '61.

KIEV—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Shevchenko was on our side. Hryhorii Hryhor'iev. Ukraina no. 21 6 S '63.

KIEV GOVERNMENT—PUBLIC HEALTH

First physicians and hospitals in the Kiev Government H M. Sydorenko-Zelezins'ka. Ukr. ist zhur 7 no. 1 111-115 Jl-Ag '63

KIEV PROVINCE—BEEF CATTLE

Concentration and specialization as the most important conditions for increasing the production and lowering the cost of beef. L. D. Lazaikin Visnyk sil'hosp. nauky 6 no. 9 9-14 S '63

KIEV PROVINCE—BLASTOCLADIA

First discovery of the genus Blastocladia in the U. S. S. R. I. A. Dudka. Bot. mat. Otd. spor. rast. 16:83-87 '63.

KIEV PROVINCE—TEACHERS, TRAINING OF

In the Ministry of Education of the Ukrainian S. S. R. Rad. shk. 42 no. 9:108-111 S '63.

KIEV UNIVERSITY

The bridges of friendship. Mykola Bazylivs'kyi. Ukraina no. 22:4 S '63.

KIMBERLITE see subdivision under Yakutia

KIMBERLITE—CLASSIFICATION

The term "kimberlite" and the classification of kimberlites [with summary in English]. V. A. Milashev. Geol. i geofiz. no. 4 42-52 '63.

KIMOVSK—POLITICS AND GOVERNMENT

Effective results of persistent efforts. I. Marunich. Sov. deput. trud. no. 6:51-53 Je '63.

KINDERGARTEN

Aesthetic training in a kindergarten. A. Ivanova, V. Mishurtseva. Doshk. vosp. 36 no. 7:123-127 Jl '63.

Connection between kindergartens and schools. N. Shinkarenko. Doshk. vosp. 36 no. 9:29-31 S '63.

International education in a kindergarten. N. Cherednychenko. Doshk. vykh. 24 no. 5:24-28 My '63.

Kindergarten and school. Doshk. vosp. 36 no. 9:1-3 S '63.

Master worker in education. I. Gal'perina. Doshk. vosp. 36 no. 8:83-85 Ag '63.

Matter of honor for every kindergarten. Doshk. vosp. 36 no. 8:1-3 Ag '63.

Methodological work in a kindergarten. A. Dombrovskaia. Doshk. vosp. 36 no. 9:7-9 S '63.

Service duties of children. V. Kutochkina. Doshk. vosp. 36 no. 9:26-29 S '63.

She works in Friendship street. V. Bulgakov. Doshk. vosp. 36 no. 8 80-83 Ag '63.

Training in cultural and hygienic habits and self-service. M. Zhachko. Doshk. vykh. 24 no. 8:23-28 Ag '63.

We train children through work. O. IAnushevskaia, D. Fel'dshtein. Doshk. vosp. 36 no. 9:13-21 S '63.

Work in the environment of nature. V. Shumborskaia, A. Immamutdinova. Doshk. vosp. 36 no. 9:21-25 S '63.

Work training in a kindergarten. V. Nechaieva. Doshk. vykh. 24 no. 8:5-12 Ag '63.

KINDERGARTEN—MUSIC

Folk song in a kindergarten. R. Ivanova. Doshk. vosp. 36 no. 9:46-48 Ag '63.

KINDERGARTENS

Aesthetics of kindergarten life. K. Ogonovskaia, A. Gribovskaia. Doshk. vosp. 36 no. 7:58-66 Jl '63.

Friendly meetings. K. Tarnovs'ka. Doshk. vykh. 24 no. 8:31-32 Ag '63.

Good people. A. Solov'eva. Doshk. vosp. 36 no. 8:19-21 Ag '63.

Kindergartens should have methodological literature and visual aids. V. Plakhtiurina. Doshk. vosp. 36 no. 9: 81 S '63.

Let's raise healthy children. V. Tiagnibidin. Doshk. vosp. 36 no. 7:17-18 Jl '63.

True educator. G. Shlykova. Doshk. vosp. 36 no. 7:95-100 Jl '63.

KINEMATICS

Smorodinskii, IA. A. [Kinematics and L bachevskii geometry] Kinematika i geometriia Lobachevskogo [Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1962] 21 p. [With summary in English]
[MICROFILM]

KINETIC THEORY OF GASES see Gases, Kinetic theory of

KIPCHAK LANGUAGE—WRITING

Graphical form of a word in the "Codex Cumanicus," a monument of the Kipchak language. Abzhan Kurysh-zhanov. Ipig, Vost. no 15:120-122 '63

KIRGHIZ
(see also subdivision under Yenisey Valley)

Petrov, K. I. [Study on the origin of the Kirghiz] Ocherk proiskhozhdenita kirgizskogo naroda Frunze, Izd-vo Akad nauk Kirgizskoi SSR, 1963 144 p

KIRGHIZ STUDIES

Contribution of Russian scientists and scholars to the development of Kirghiz science and culture. I. K. Akhunbaev Izv. AN Kir. SSR. Ser. obshchestv. nauk 5 no 1 5-12 '63.

KIRGHIZISTAN—ARSENIOSIDERITE

Arseniosiderite from southern Kirghizia N N Smol'ianinova, V. M. Senderova Trudy Min muz no. 11:250-256 '63

KIRGHIZISTAN—COLLECTIVE FARMS

Malabaev, D. M. [History of the Lenin Collective Farm, 1919-1962] Istoriia kolkhoza imeni Lenina, 1919-1962 gg. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 95 p.

KIRGHIZISTAN—DODDER

First results of biological control of dodder. O. L. Rudakov. Zashch. rast. ot vred. i bol. 8 no. 8:25-26 Ag '63.

KIRGHIZISTAN—ECONOMIC CONDITIONS

Soviet Kirghizistan. Okhr. truda i sots. strakh. 6 no. 7 18-20 Jl '63.

KIRGHIZISTAN—FISHES

Turdakov, F. A. [Fishes of Kirghizia] Ryby Kirgizii Izd. 2. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 282 p.

KIRGHIZISTAN—HISTORY

Some data on the migration of the Kirghiz in the 13th century in "Yuan shih," the annals of the Yüan Dynasty. E. I. Kychanov. Izv. AN Kir. SSR. Ser. obshchestv. nauk 5 no. 1:59-65 '63.

KIRGHIZISTAN—INDUSTRIAL HYGIENE

Soviet Kirghizistan. Okhr. truda i sots. strakh. 6 no. 7 18-20 Jl '63.

KIRGHIZISTAN—LEAD ORES

Lur'e, A. M. [Distribution of lead-zinc mineralization in the Gava-Kassan interfluve (Kirgizia)] Zakonomernosti raspredelenila svintsovo-tsinkovoi mineralizatsii v mezhdurech'e Gava-Kassan (Kirgizila). Moskva, Izd-vo Akad. nauk SSSR, 1963. 147 p. (Akademila nauk SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy, no. 91)

KIRGHIZISTAN—SCULPTURE, ANCIENT

Iconography of ancient Turkic sculptures. A. IA. Sher. Izv. AN Kir. SSR. Ser. obshchestv. nauk 5 no. 1:45-57 '63.

KIRGHIZISTAN—WEED CONTROL—BIOLOGICAL CONTROL

First results of biological control of dodder. O. L. Rudakov. Zashch. rast. ot vred. i bol. 8 no. 8:25-26 Ag '63.

KIRGHIZISTAN—ZINC ORES

Lur'e, A. M. [Distribution of lead-zinc mineralization in the Gava-Kassan interfluve (Kirgizia)] Zakonomernosti raspredelenila svintsovo-tsinkovoi mineralizatsii v mezhdurech'e Gava-Kassan (Kirgizila). Moskva, Izd-vo Akad. nauk SSSR, 1963. 147 p. (Akademila nauk SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy, no. 91)

KIRISHI REGION—WOOD AS FUEL

Semiautomatic line for firewood sawing. L. V. Trukhtenkov. Les. prom. 40 no. 3:12-14 Mr '62.

KIROV PROVINCE—CREDIT

Working capital and bank credit. K. Araslanov. Den. i kred. 21 no. 10:17-21 O '63.

KIROV PROVINCE—LUMBERING—MACHINERY

For the specialization of repair enterprises. V. A. Shilenko. Les. prom. 40 no. 3:28-29 Mr '62.

KIROV PROVINCE—SOIL FORMATION

Studying soil formation of arable lands in the east of the Russian Plain [with summary in English]. V. A. Dolotov. Pochvovedenie no. 8:31-38 Ag [i. e. S] '63.

719 - 638 O - 64 - 16

[illegible]—DUCATION—RE-
[illegible]

[illegible]

[illegible]—FERRITES

[illegible]—APATITE

[illegible] VLADIMIROVICH, 1865-1952

[illegible] ANDREEVICH, 1892-1938

[illegible]—EQUIPMENT INDUSTRY

[illegible]—COMMUNITY AND SCHOOL

[illegible], IVAN IVANOVICH

[illegible] FEDOROVICH, 1913-

KIMMIG, ANNA, pseud. see Amtmann, Anna, 1893-

KIMRY (MOSCOW PROVINCE)—FIRE PREVENTION—[illegible]

KLYSTRONS

KLYSTRONS—NOISE

KLYUCHEVSKOY VOLCANO

KNIT GOODS

KNIT GOODS—TESTING

KNIT GOODS INDUSTRY

KNITTING MACHINES

Modern designs of mechanisms for automatic increasing and decreasing of the number of needles on flat rib knitting machines. A. V. Kovarskii. Izv. vys. ucheb. zav., tekh. leg. prom no. 2 119-129 '63.

Sinker mechanism of cotton machines with a variable shift value of the sinker incline. L. K. Vashchinskii. Izv. vys. uchebi. zav., tekh. leg. prom. no. 2 138-151 '63.

KNOWLEDGE, THEORY OF

Bakaev F. M. [Dialectic of analysis and synthesis in scientific cognition] Dialektika analiza i sinteza v nauchnom poznanii. Minsk, Izd-vo Akad. nauk Belorusskoi SSR, 1963 349 p.

Marxist evaluation of the problems of abstraction and the formation of ideas. L. Tondl, A. I. Uemov. Vop. filos. 17 no. 8 173-176 '63.

KOCHUBEI, IVAN ANTONOVICH, 1893-1919

Glorious national hero. Arkadii Peiventsev. Sov. voin 45 no. 18 18-19 S '63.

KOKCHETAV—MACHINE SHOPS—MANAGEMENT

Workshop economist. A. Kadyrov. Nar. khoz. Kazakh. 21 no. 4 62-63 Ap '63.

KOKCHETAV—WEIGHING MACHINES

Workshop economist. A. Fadyrov. Nar. khoz. kazakh. 21 no. 4 62-63 Ap '63.

KOKCHETAV PROVINCE—COOPERATIVE SOCIETIES

The fruits of the reorganization are beneficial. R. Guzii. Koop. Kazakh. 6 no. 3, 51 Je '63.

KOKORIN, ANATOLII

In a stormy stream of life. [Ural Khalaminskii. Kul't. i zhizn' 7 no. 4 25-27 '63.

KOLA PENINSULA—AMPHIBOLITE

Genesis of amphibolites in the eastern part of the Kolmozero-Voronitya series. V. A. Tokarev, L. L. Garifulin. Vop. geol. i min. Kol'. poluos. no. 4, 63-74 '63.

KOLA PENINSULA—EARTH—SURFACE

Crustal thickness in the Kola Peninsula. G. D. Panasenko. Vop. geol. i min. Kol'. poluos. no. 4, 98-103 '63.

KOLA PENINSULA—GASES IN ROCKS

Effect of temperature factor on the gas component of some rocks in the Kola Peninsula. A. M. Romanikhin. Vop. geol. i min. Kol'. poluos. no. 4, 91-97 '63.

KOLA PENINSULA—GEOLOGY, STRATIGRAPHIC

Stratigraphic interrelationships of Pre-Cambrian sedimentary-metamorphic rocks in the northwestern part of the Kola Peninsula. S. I. Makievskii, K. A. Nikolaeva. Vop. geol. i min. Kol'. poluos. no. 4, 34-40 '63.

Stratigraphy of the Kolmozero-Voronitya series. V. A. Tokarev, L. L. Garifulin. Vop. geol. i min. Kol'. poluos. no. 4, 24-33 '63.

KOLA PENINSULA—IGNIMBRITE

Welded tuffs of the Pechenga series (Kola Peninsula). D. D. Mirskaia, S. N. Suslova. Vop. geol. i min. Kol'. poluos. no. 4, 49-62 '63.

KOLA PENINSULA—MICROPALEONTOLOGY, STRATIGRAPHIC

Possibilities of using electron microscopy for the isolation of microscopic organic remains in solid sedimentary rocks. V. V. Liubtsov, A. P. Afanas'ev. Vop. geol. i min. Kol'. poluos. no. 4, 87-90 '63.

KOLA PENINSULA—MINING ENGINEERING

Akademiia nauk SSSR. Kol'skii filial. Kirovsk. [Problems in the technology of mining ore deposits in the Kola Peninsula] Voprosy tekhnologii razrabotki rudnykh mestorozhdenii Kol'skogo poluostrova. Moskva, Izd-vo Akad. nauk SSSR, 1963 191 p.

KOLA PENINSULA—MORAINES

Marginal formations and the retreat of the last ice sheet in the northwestern part of the Kola Peninsula. A. A. Nikonov. Trudy kom. chetv. per. 21 5-14 '63.

KOLA PENINSULA—ROCKS

Interrelationship of sedimentary and igneous rocks within the Pechenga series. D. D. Mirskaia, S. N. Suslova. Vop. geol. i min. Kol'. poluos. no. 4, 3-23 '63.

KOLA PENINSULA—ROCKS—THERMAL PROPERTIES

Effect of temperature factor on the gas component of some rocks in the Kola Peninsula. A. M. Romanikhin. Vop. geol. i min. Kol'. poluos. no. 4, 91-97 '63.

KOLA PENINSULA—ROCKS, SEDIMENTARY

Primary structures in sedimentary rocks of the Pechenga series. S. N. Suslova. Vop. geol. i min. Kol'. poluos. no. 4, 75-88 '63.

KOLA PENINSULA—WADEITE

New find of wadeite in the Soviet Union. Iu. L. Kapustin. Dokl. AN SSSR 151 no. 6, 1410-1412 Ag '63.

KOLKHOZES see Collective farms

KOLOMNA (MOSCOW PROVINCE)—LOCOMOTIVES

Centenary of the Kolomna Plant. Vest. TSNII MPS 22 no. 6, 61 '63.

KOLOMNA (MOSCOW PROVINCE)—LOCOMOTIVE WORKS

Militant helpers. V. Shebanov. Part. zhizn' no. 13-74 Jl '63.

KOLOMNA (MOSCOW PROVINCE)—TEXTILE MACHINERY INDUSTRY

Solving fundamental problems. I. Popov. Part. zhizn' no. 20, 39-43 O '63.

KOLPINO—FIRE DEPARTMENTS

Kolpino, a new city. V. Belov. Pozh. delo 9 no. 7 [illegible] '63.

KOLPINO—FIREMEN

Theirs was the road toward heroic deeds. Pozh. delo 9 no. 7 [illegible] '63.

KOMANDORSKIYE ISLANDS—CLIMATE

Brief climatic characteristics of Komandorskiye Islands. I. A. Kuzmanova, V. G. Savchenko. Trudy [illegible] 58-66 '63.

KOMI A. S. S. R.—FOREST REPRODUCTION

Nadutkin, V. D., and N. A. Lazarev. [Spruce forests of the Komi A. S. S. R., their use and regeneration] Lesa Komi ASSR, ikh ispol'zovanie i vosstanovlenie. Syktyvkar, Komi knizhnoe izd-vo, 1964 [illegible] (DNAL)

KOMI A. S. S. R.—FOREST ROADS

Roads with stabilized surfacing in the Komi A. S. S. R. N. P. Moshonkin, V. N. Krylov. [illegible] 17-19 Ag '63.

KOMI A. S. S. R.—SPRUCE

Nadutkin, V. D., and N. A. Lazarev. [Spruce forests of the Komi A. S. S. R., their use and regeneration] Lesa Komi ASSR, ikh ispol'zovanie i vosstanovlenie. Syktyvkar, Komi knizhnoe izd-vo, 1964 [illegible] (DNAL)

KOMI A. S. S. R.—WHEAT

Developing winter wheat from spring wheat in the Komi A. S. S. R. regions. A. A. Kichigin. Vest. sel'khoz. nauki 8 no. 8 46-48 Ag '63.

KOMMUNARSK—IRON AND STEEL PLANTS

Kommunarsk metallurgical plant. A. Bashkentsev. Metallurg 8 no. 9, 24-[illegible] S '63.

KONCHALOVSKII, MAKSIM PETROVICH, 1875-1963

Maksim Petrovich Konchalovskii and his art. [illegible] 20th anniversary of his death. A. G. Gabrichevskii. Arkh. 35 no. 2, 3-8 F '63.

KONDA-SOSVA PRESERVE—SPHAGNUM

Sphagnales of the upper valleys of Malaya Sosva and Konda Rivers (Western Siberia). I. V. Ivanova. Bot. mat. Otd. spor. rast. 16, 178-188 '63.

KONSTANTINOVSKIY DISTRICT—MOTION PICTURE PROJECTION

Comrade Smorodin from Pukhlyakhovskiy. Sov. deput. trud. no. 6, 75-78 Je '63.

KOPETDAG—BIOTIC COMMUNITIES

Materials on the biocenotic characteristics of tragacanth bearing milk vetches of Kopet-Dag. T. P. Nadezhina. Trudy Bot. inst. Ser. 5 no. 11, 186-211 '63.

KOPETDAG—BOTANY, ECONOMIC

Gummiferous plants of Kopet-Dag. L. P. Markova. Trudy Bot. inst. Ser. 5 no. 11, 9-41 '63.

KOPETDAG—MILK VETCH

Fragmental soils as a growth medium for tragacanth bearing milk vetches in Kopet-Dag. V. A. Dolutova. Trudy Bot. inst. Ser. 5 no. 11, 213-228 '63.

Gummiferous system and the characteristics of root exudation in basic commercially valuable species of tragacanth-bearing milk vetches of Kopet-Dag. L. P. Markova. Trudy Bot. inst. Ser. 5 no. 11, 45 [illegible] '63.

Materials on the biocenotic characteristics of tragacanth bearing milk vetches of Kopet-Dag. T. P. Nadezhina. Trudy Bot. inst. Ser. 5 no. 11, 186-211 '63.

More on gum formation in milk vetches. I. A. Basiner. Trudy Bot. inst. Ser. 5 no. 11, 111 136 '63.

Obtaining gum from the aerial part of tragacanth bearing milk vetches by the method of extraction. K. F. Akhromova, P. A. Iakimov. Trudy Bot. inst. Ser. [illegible] 321-324 '63.

Prerequisites for the use of tragacanth stands of Kopet-Dag mountains by the pruning of the shrubs and the [illegible] extraction of gum. T. P. Nadezhina. Trudy Bot. inst. Ser. 5 no. 11, 300-320 '63.

Some characteristics of temperature conditions of the shrubs Astragalus denticulatus Bot. Isa., and A. [illegible] cladus Freyn et Sint. L. P. Markova. Trud. Bot. inst. Ser. 5 no. 11, 174-185 '63.

KOPETDAG—MILK VETCH—WATER REQUIREMENTS

Water balance of some milk vetches of Kopet-Dag. T. P. Panmova, A. A. Nikitin. Trudy Bot. inst. Ser. [illegible] 137-173 '63.

KOPETDAG—SOILS

Fragmental soils as a growth medium for tragacanth bearing milk vetches in Kopet-Dag. V. A. Dolutova. Trudy Bot. inst. Ser. 5 no. 11, 212-228 '63.

KOREA, NORTH—TRADE UNIONS

[Documents of the Third Congress of the United Trade Unions of Korea, November 3-6, 1959] Tretii s"ezd Ob"edinennykh profsoiuzov Korei, 2-6 noiabria 1959 g. sbornik dokumentov. Pyongyang, KNDR, Izd-vo lit-ry na inostr. iazykakh, 1959. 159 p. (NIC)

KOREA, SOUTH—MILITARY ASSISTANCE, AMERICAN

For the freedom of the people of South Korea, declaration of the W F T.U. Vsem prof. dvizh. no. 7/8 8-9 Jl-Ag '63.

Remove American imperialists' troops from South Korea! Ryoo Hai Rung. Vsem. prof. dvizh. no. 7/8 9-11 Jl-Ag '63.

KOREA, SOUTH—POLITICS AND GOVERNMENT

For the freedom of the people of South Korea, declaration of the W F T.U. Vsem. prof. dvizh. no. 7/8 8-9 Jl-Ag '63

KOREA, SOUTH—WAR—ECONOMIC ASPECTS

Remove American imperialists' troops from South Korea! Ryoo Hai Rung. Vsem prof. dvizh. no. 7/8 9-11 Jl-Ag '63.

KORNOUKHOV, MYKOLA VASYL'OVYCH, 1903-

Mykola Vasyl'ovych Kornoukhov (on the occasion of his 60th birthday). I.IA. Amfo, P.M. Varvar. Pryki. mekh. 9 no. 5:573-576 '63

KORSAK MOGILA MOUNTAIN—PSILOMELANE

Psilomelane from the crust of weathering of ferruginous quartzites of the Korsak Mogila deposit [with summary in English]. M.O. Kornikov. Dop. AN URSR no. 8: 1111-1114 '63.

KORZHEV, GELII MIKHAILOVICH, 1925-

Painter Korzhev and his heroes. IUrii Bychkov. Kul't. i zhizn' 7 no. 8 24 '63.

KOSTROMA PROVINCE—ASPEN

Growth of aspen and birch in Kostroma Province. V.V. Stepin. Les. khoz. 16 no. 7:85-86 Jl '63.

KOSTROMA PROVINCE—BIRCH

Growth of aspen and birch in Kostroma Province. V.V. Stepin. Les. khoz. 16 no. 7:85-86 Jl '63.

KOSTROMA PROVINCE—FARM MECHANIZATION—STUDY AND TEACHING

Knowledge should be more thorough. M.P. Moiseev. Shkola i proizv. 7 no. 8 2-3 S '63.

KOSTROMA PROVINCE—LUMBER—TRANSPORTATION

Experiments in floating hardwood species. S.S. Filimonov and others. Les. prom. 41 no. 7:17-19 Jl '63.

KOTSIUBYNS'KYI, MYKHAILO, 1864-1913

Kravets', O.M. [M.M. Kotsiubyns'kyi on national customs] Kotsiubyns'kyi pro narodnyi pobyt. Kyiv, Vydvo Akad. nauk Ukrains'koi RSR, 1963. 65 p

Preparations for the celebration of the centenary of M.M. Kotsiubyns'kyi's birth. Rad. lit. 7 no. 5:156 S-O '63.

"Works in six volumes" by Mykhailo Kotsiubyns'kyi. Reviewed by I.V. Ivan'o. Rad. lit. 7 no. 4:131-135 Jl-Ag '63.

KOZHEVNIKOV, VADIM NIKOLAEVICH, 1900-

Loyalty. N. Tolchenova. Ogonek 41 no. 40:18 S '63.

KOZLOV, PETR KUZ'MICH, 1863-1935

Kozlov, P.K. [A Russian traveller in Central Asia] Russkii puteshestvennik v TSentral'noi Azii, izbrannye trudy (k stoletiiu so dnia rozhdeniia, 1863-1963) Moskva, Izd-vo Akad. nauk SSSR, 1963 522 p.

P.K. Kozlov; on the 100th anniversary of his birth. T.N. Ovchinnikova. Izv. AN SSSR. Ser. geog. no. 5:86-90 S-O '63.

KOZLOV, PETR KUZ'MICH, 1863-1935—BIBLIOGRAPHY
see Bibliography—Kozlov, Petr Kuz'mich, 1863-1935

KRACHKOVSKII, IGNATII IULIANOVICH, 1883-1951

Arabic inscriptions on Academician I IU. Krachkovskii's gravestone, on the 60th anniversary of his birth V.A. Krachkovskaia. Epig. Vost. no. 15:169-172 '63.

KRASNOARMEYSK (KOKCHETAV PROVINCE)—RETAIL TRADE

When they forget about the main thing. A. Artisishevskii. Koop. Kazakh. 8 no. 3.22-24 Je '63.

KRASNODAR—MACHINERY INDUSTRY

Bublik, V.G. [Walk with us, comrades] Shagaite s nami, tovarishchi. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1960. 38 p. (Rasskazyvaiut pionery budushchego)

KRASNODAR—NEUROLOGY

Some problems of organizing the work of a neuropathologist in a polyclinic. V.P. Kitsenko. Zdrav. Ros. Federa. 7 no. 9:20-22 S '63.

KRASNODAR—PETROLEUM INDUSTRY

[Lights over the river; on the 50th anniversary of the Krasnodar Petroleum Refining Plant] Ogni nad rekoi; k 50-letiiu Krasnodarskogo neftepererabatyvaiushchego zavoda. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1961. 76 p.

KRASNODAR—PORCELAIN

Pavlova, L.N. [Kuban porcelain] Kubanskii farfor. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1961. 37 p.

KRASNODAR TERRITORY—BACTERIA, PHYTOPATHOGENIC

Bacteriosis of soybeans. S.N. Moskovets, M.V. Krasnova. Zashch. rast. ot vred. i bol. 8 no. 8:19-20 Ag '63.

KRASNODAR TERRITORY—JOURNALISM, LABOR

Give me your hand, comrade! L. Vysokoostrovskii. Sov. pech. no. 8 18-23 Ag '63.

KRASNODAR TERRITORY—MOTION-PICTURE AUDIENCES

Performance in a rural club. M. Sul'kin. Isk. kino 33 no. 8 107-110 '63.

KRASNODAR TERRITORY—OAK

Geographical types of English oak in Krasnodar Territory. E.N. Budianskii. Les. khoz. 16 no 3:62-63 Mr '63.

KRASNODAR TERRITORY—PEAS—VARIETIES

Winter peas in the Kuban. I.I. Churikov. Zemledelie 25 no. 9:75-80 Ag '63.

KRASNODAR TERRITORY—PETROLEUM INDUSTRY

Osokin, G.A. [In one line] Edinym stroem. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1961. 23 p (Rasskazyvaiut pionery budushchego)

KRASNODAR TERRITORY—PIRICULARIA

Aerosols in controlling rice diseases. E.I. Bonch, A.I. Petrova. Zashch. rast. ot vred. i bol. 8 no. 8:26-27 Ag '63.

KRASNODAR TERRITORY—RICE—DISEASES AND PESTS

Aerosols in controlling rice diseases. E.I. Bonch, A.I. Petrova. Zashch. rast. ot vred. i bol. 8 no. 8:26-27 Ag '63.

KRASNODAR TERRITORY—SOYBEAN—DISEASES AND PESTS

Bacteriosis of soybeans. S.N. Moskovets, M.V. Krasnova. Zashch. rast. ot vred. i bol. 8 no. 8:19-20 Ag '63.

KRASNODAR TERRITORY—SPARROWS—EXTERMINATION

Controlling sparrows. E.N. Golovanova and others. Zashch. rast. ot vred. i bol. 8 no. 9:19-20 S '63.

KRASNODAR TERRITORY—SPRAYING AND DUSTING IN AGRICULTURE

Aerosols in controlling rice diseases. E.I. Bonch, A.I. Petrova. Zashch. rast. ot vred. i bol. 8 no. 8:26-27 Ag '63.

KRASNODAR TERRITORY—VITICULTURE

Vineyard sprayers reconstructed by rural efficiency promoters. L.S. Nikolaenko. Zashch. rast. ot vred. i bol. 8 no. 9:24-25 S '63.

KRASNOVODSK—FIREMEN

Heroic deed of a collective. IU. Vnukov. Pozh. delo 9 no. 7:27 Jl '63.

KRASNOVODSK PENINSULA—GEOLOGY, STRATIGRAPHIC

Chokrakskoye deposits of the Krasnovodskiy Peninsula. M.F. Kravchenko, R.L. Merklin, IU.G. Chel'tsov. Trudy MGRI 39:57-65 '63.

KRASNOYARSK—PLASTERING

Mechanization of plastering in the Main Krasnoyarsk Construction Administration. A. Demlianenko, V. Voevodin. Mekh. stroi. 20 no. 10:14-15 O '63.

KRASNOYARSK HYDROELECTRIC POWER STATION

The story about a pennant. K. Raspevin. Mol. komm. no. 8:48-52 Je '63.

KRASNOYARSK TERRITORY—BIRDS AS CARRIERS OF DISEASES

Role of birds in the circulation of the virus of tick-borne encephalitis (Krasnoyarsk Territory) [with summary in English]. R.L. Naumov, E.N. Levkovich, O.E. Rzhakhova. Med. paraz. i paraz. bol. 32 no. 1:18-20 Ja-F '63.

KRASNOYARSK TERRITORY—CONIFERAE

Anatomic structure of the needles of basic tree species in Krasnoyarsk Territory. L.A. Tonkoshtan. Trudy Inst. lesa i drev. 65:118-127 '63.

KRASNOYARSK TERRITORY—CONSTRUCTION WORKERS

Three days in Krasnoyarsk. N. Bykov. Ogonek 41 no. 41:2 O '63.

KRASNOYARSK TERRITORY—COOPERATIVE SOCIETIES—AUDITING AND INSPECTION

Control the disbursement of money for state deliveries by consumers cooperatives. F. Zinchenko. Den. i kred. 21 no. 10:68-69 O '63.

KRASNOYARSK TERRITORY—ENCEPHALITIS VIRUSES

Role of birds in the circulation of the virus of tick-borne encephalitis (Krasnoyarsk Territory) [with summary in English]. R.L. Naumov, E.N. Levkovich, O.E. Rzhakhova. Med. paraz. i paraz. bol. 32 no. 1:18-20 Ja-F '63.

KRASNOYARSK TERRITORY—GEOLOGY, STRATIGRAPHIC

Correlation of the Pre-Cambrian series in the Igarka and Turukhan regions based on absolute age data. O.A. Votakh, A.N. Dmitriev. Geol. i geofiz. no. 7:82-83 '63

KRASNOYARSK TERRITORY—PALEONTOLOGY, STRATIGRAPHIC

Relationship between Kolba-Torgashino series in Krasnoyarsk Territory. I.I. Koptev. Trudy SNIIGGIMS no. 24 92-96 '62.

KRASNOYARSK TERRITORY—TECHNICAL SOCIETIES

Initiative and desire to work are necessary V. Vinogradov. NTO 5 no. 8 52-53 Ag '63.

KRASNOYARSK TERRITORY—TICKS

Activation, quantity and the duration of the active life of the tick Ixodes persulcatus in the forests of Krasnoyarsk Territory [with summary in English] P.G. Khizhinskii. Med. paraz. i paraz. bol 32 no 1 6-13 Ja-F '63.

Simplification of the method used in forecasting the quantity of ticks of the genus Ixodes occurring in pastures and some data concerning their biology [with summary in English]. L.V. Babenko, M.A. Rubina. Med. paraz i paraz. bol. 32 no. 1:13-18 Ja-F '63.

KRASNOYARSK TERRITORY—TICKS AS CARRIERS OF DISEASE

Investigating the occurrence of the pathogen of North Asian rickettsiosis in the tick Dermacentor nuttalli collected in one of the disease foci of Krasnoyarsk Territory [with summary in English]. V.A. Merinov Med. paraz. i paraz. bol. 32 no 1 54-61 Ja-F '63.

Role of birds in the circulation of the virus of tick-borne encephalitis (Krasnoyarsk Territory) [with summary in English]. R.L. Naumov, E.N. Levkovich, O.E. Rzhakhova. Med. paraz. i paraz bol 32 no. 1:18-20 Ja-F '63.

KRASNOYARSK TERRITORY—TYPHUS FEVER

Investigating the occurrence of the pathogen of North Asian rickettsiosis in the tick Dermacentor nuttalli collected in one of the disease foci of Krasnoyarsk Territory [with summary in English]. V.A. Merinov Med paraz i paraz bol 32 no 1 54-61 Ja-F '63

KRAVCHENKO, ULIANA, pseud. see Shnaider, IUliia IUlivna, 1860-1947

KRIUKOV, ALEKSANDR NIKOLAEVICH, 1878-1962

Aleksandr Nikolaevich Kriukov on the 10th anniversary of his death. S.G. Moiseev. Terap. arkh. 35 no. 2. 111-112 F '63.

KRIVOY ROG—BLAST FURNACES—DESIGN AND CONSTRUCTION

Construction of blast furnaces in Krivoy Rog. I.I. Loevskii, E.V. Klimenko. Prom. stroi. 40 (i. o. 41) no. 6. 2-6 Je '63.

KRIVOY ROG—RAILROADS—EMPLOYEES

This is not the proper way of admitting new members to the party. A. Svinarenko. Part. zhizn' no. 20. 47-50 O '63.

KRIVOY ROG BASIN—IRON MINES AND MINING

Experience in the use of electron computers in analyzing methods of mining Krivoy Rog iron ore deposits. V.A. Simakov, V.S. Kuz'min. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2:153-160 Mr-Ap '63.

Objectives of scientific research in mining at deep levels of the Krivoy Rog Basin iron ore deposits. M.I. Agoshkov. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 4:3-14 Jl-Ag '63.

KRIVOY ROG BASIN—MINE HAULAGE

Truck transportation in building Krivoy Rog Basin pits. S.A. Zapara, V.A. Panov, V.G. Khrapach. Shakht. stroi. 7 no. 7:11-13 Jl '63.

KRIVOY ROG BASIN—MINING ENGINEERING

Ways of increasing the efficiency of the complete mining of untouched blocks of ore and interchamber pillars. G.M. Melakhov, V.R. Bezukh, A.I. Rudenko. Gor. zhur. no. 9:20-24 S '63

KRIVOY ROG BASIN—PUBLIC HEALTH

Measures for further improvement of medical service and health protection of the Krivoy Rog Basin population. G.F. Emel'ianova. Vrach. delo no. 7:126-127 Jl '63.

KRIVOY ROG BASIN—SHAFT SINKING

Potentials for increasing the speed of sinking shafts from the top down. A.S. Es'kov. Shakht. stroi. 7 no. 7:16-18 Jl '63.

Sinking inclined shafts in the Krivoy Rog Basin. I.D. Shtefan, I.A. Krivoshei. Shakht. stroi. 7 no. 7:23-26 Jl '63.

KROLEVETS DISTRICT—RURAL CONDITIONS

Past and present of the village of Dubovichi. IA.O. Kryvko. Ukr. ist. zhur. 7 no. 4:101-102 Jl-Ag '63.

KRYLOV, ALEKSEI NIKOLAEVICH, 1863-1945
[illegible] Sudostroenie 29 no. 5-0 '63.

KRYLOV, NIKOLAI MAKSIMOVICH, 1885-1938
[illegible] the Commander of the Red Army
[illegible]

KRYLOV, ALEKSEI NIKOLAEVICH, 1863-1945
[illegible] on organizing [illegible] A. M. Bakhrakh.
[illegible] 19-12 Ag '63.
[illegible] building
[illegible] 23 no. 8 16-19 Ag

[illegible] on the 100th
[illegible] S. T. I. Fedorov. Mor. sbor.
[illegible]
[illegible] Strakhov. Rech. transp.
[illegible] Ag '63.
[illegible] M. A. Lavrentiev, P. A.
[illegible] no. 8 1-4 Ag '63.
[illegible] anniversary of his
[illegible] Sudostroenie, 29 no. 9 77-84
[illegible]
[illegible] in the life of Academician Alekseĭ
[illegible] Sudostroenie 29 no. 8 20 Ag '63.
[illegible] of A. N. Krylov's ideas in the field of ship
[illegible] V. L. Cherkasskiĭ, V. A. Postnov. Sudo-
[illegible] 21-24 Ag '63.
[illegible] A. S. [Soviet shipbuilding] Nauka i korabli. Mo-
[illegible] Znanie, 1963. 31 p. (Novoe v zhizni,
[illegible] IX Seriia Fizika i khimiia no 17)
[illegible] A. N. [illegible] concerning Alekseĭ
[illegible] Sudostroenie 29 no. 8 6-9 Ag
[illegible]
[illegible] Alekseĭ Nikolaevich
[illegible] G. F. Fedotov. Sudostroenie 29 no. 8, 4-6 Ag
[illegible]

KRYLOV, ALEKSEI NIKOLAEVICH—BIBLIOGRAPHY
[illegible] bibliography—Krylov, Alekseĭ Nikolaevich

KRYLOV, ALEKSEI NIKOLAEVICH, 1863-1945—MUSEUMS, RELICS, ETC.
[illegible] N. N. Glagoleva, L. A.
[illegible] Sudostroenie 29 no. 8 73-74 Ag '63.

KRYUKOVO (MOSCOW PROVINCE)—FANS, MECHANICAL
[illegible] Sel'khozmash. 13 no. 16-9 Ag
[illegible]

KRYUKOVO (MOSCOW PROVINCE)—INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION
[illegible] Stroitel'stvo Moskvy 13 no. 16 3 Ag
'63

KRZHIZHANOVSKII, GLEB MAKSIMILIANOVICH, 1872-
[illegible] and soviet science on economic
[illegible] E. D. Figurovskiĭ. Ob. teh. energ. no. 6 6-13 '63.
[illegible] anniversary of academician G. M. Krzhizhanov-
[illegible] birth. Ob. teh. energ. no. 6 3-5 '63.

KUALLOMAT REGION—CAVES
[illegible] of the Kapova cave. V. F. Braginskiĭ, V. V.
[illegible], I. F. Pudovik. Nov. kar. i spel. no. 3, 76-79
'63.

KUBAN—AGRICULTURAL WORKERS
[Kuban farmers] Kubanskie malaki. [Krasnodar] Krasno-
darskoe knizhnoe izd-vo, 1961. 249 p.
(DNAI)

KUBAN—AGRICULTURE—LABOR PRODUCTIVITY
[illegible] labor in the sea trade. V. Anisimov, P. Ig-
[illegible], G. Kalagin. Part. zhizn' no. 13 53-59 Jl
[illegible]

KUBAN—POULTRY
Practices in the development of intensive poultry raising.
A. V. Tikhonov. [illegible] no. 5:48-54 My

[Kuban textile
Krasnodarskoe

[illegible] A. S. Izve-
no. 8 65-67 Ag

[illegible] A. S. Izve-
no. 8 65-67 Ag

[illegible] 45 no. 15-

963
no. 3:61-62 Ja-

KUCHUK, LAKE—THENARDITE
Problem of thenardite formation in Lake Kuchuk. M. F.
Liapunov. Izv. Sib. otd. AN SSSR no. 2 118-120 '62.

KUIBYSHEV, VALERIAN VLADIMIROVICH, 1888-1935
The man with a warm heart. G. Kuibysheva. Mol. kommu-
no. 6 84-86 Je '63.

KULISH, MYKOLA, 1892-1937?
Artist and his time. V. O. Sakhnovs'kyi-Pankieiev.
Rad. lit. 7 no. 3 137-138 My-Je '63

KUMA VALLEY—CLAY—RADIOACTIVE PROPERTIES
Radioactivity of clay rocks. IU. I. Serikov. Trudy
MINKHIGP no. 41:34-46 '63

KUMA VALLEY—ROCKS, SEDIMENTARY—RADIOACTIVE PROPERTIES
Role of potassium in the radioactivity of sedimentary
rocks of the Terek-Kuma Plain. IU. I. Serikov. Trudy
MINKHIGP no. 41, 47-53 '63.

KUMA VALLEY—SEDIMENTS (GEOLOGY)—RADIOACTIVE PROPERTIES
Natural radioactivity of the Mesozoic sediments of the
Terek-Kuma Plain. IU. I. Serikov. Trudy MINKHIGP
no. 41 21-33 '63.

KUNGUR DISTRICT—EDUCATION, RURAL
Community participation in the supervision of rural
schools. A. F. Titkov. Sov. pedag. 27 no. 8 41-15 Ag
'63

KUPRIANOV, MIKHAIL VASIL'EVICH, 1903-
"Ku" artist. O. Vereiskii. Ogonek 41 no. 41:9 O '63.

KUPRIANOV, PETR ANDREEVICH, 1893-
Petr Andreevich Kuprianov, on his 70th birthday.
Eksper. khir. i anest. no. 1:93-94 '63

KUPYANSK DISTRICT—STONE AGE
Paleoanthropological materials from the eneolithic
burial ground in Aleksandriya. T. S. Surgina. Trudy
Inst. etn. 82:144-153 '63.

KUR-URMIYSKIY DISTRICT—EDUCATION, PRESCHOOL
By a common effort. S. Ovchinnikov. Doshk. vosp. 36
no. 8:10-12 Ag '63.

KUR VALLEY—GEOLOGY, STRATIGRAPHIC
Devonian sediments of the Kur-Urmi interfluve (central
Amur Valley). V. V. Bobylev. Trudy MGRI 39:35-44
'63.

KURA LOWLAND—INSCRIPTIONS, ARABIC
Some epigraphic monuments of the Shirvan Steppe of the
14th-15th centuries. M. Kh. Neimatova. Epig. Vost.
no. 15 99-109 '63

KURA LOWLAND—OIL WELL LOGGING, ELECTRIC
Method for determining the actual thicknesses in the
cross section of the producing formation of the Kalmas
field. V. F. Kireev, G. K. Logovskaia. Azerb. neft.
khoz. 42 no. 1 9-11 Ja '63

KURDAYSKIY DISTRICT—COOPERATIVE SOCIETIES
Youth proclaims: An impeccable reputation [for every
cooperative]. E. Saltykova. Koop. Kazakh. 6 no. 3 14-
15 Je '63

KURDS
(see also subdivision under Iraq, Turkey)
Some data on the Kurds. A. Shamilov. Nov. vrem. 21
no. 40 26-27 O '63.

KURGAL'DZHINO DISTRICT—LAKES
Spelling distortions in the geographical names of Kazakh-
stan, using the example of lakes in Kurgal'dzhino Dis-
trict, Tselinograd Province. T. R. Omarov. Trudy
Otd. geog. AN Kazakh. SSR no. 10 115-116 '63.

KURSK—GUIDEBOOKS
Samsonov, V. I., and M. I. IAzhgur. [Kursk; a guidebook
to historical and notable places] Kursk, *putevoditel'
po istoricheskim i pamiatnym mestam.* [Kursk] Kurskoe
knizhnoe izd-vo, 1962. 154 p.
[MICROFILM]

KURSK—SERVICE INDUSTRIES
At the Kursk Station. M. Ayakian. Mest. prom. i khud.
promysl. 4 no. 4:11 Ap '63.

KURSK, BATTLE OF, *1943*
Great victory at Kursk. P. D. Maslov. Mor. sbor. 46
no. 8:36-39 Ag '63.

KURSK MAGNETIC ANOMALY
Zharikov, L. M. *[The Kursk riddle]* Kurskaia zagadka.
Moskva, Izd-vo "Znanie," 1963. 95 p. (Prochti
tovarishchi)

Wonder of the world. A. Fedorov. Metallurg 8 no. 8:
37-38 Ag '63.

KURSK MAGNETIC ANOMALY—IRON MINES AND MINING
Capacity and life of mines in the Kursk Magnetic Anomaly.
V. I. Golomolzin. Izv. vys. ucheb. zav., gor. zhur. 6
no. 3:17-21 '63.

KURSK PROVINCE—MOTION-PICTURE AUDIENCES
What a motion-picture projectionist [illegible]. [illegible]
Iskusstvo kino 33 no. 8 115-116 '63.

KURSK PROVINCE—ROTATION OF CROPS
Preceding crops and tillage for winter [illegible]
Province. V. N. Orlov, B. V. Zaichikov. [illegible]
Zemledelie 25 no. 8 13-16 Ag '63.

KURSK PROVINCE—TILLAGE
Preceding crops and tillage for winter [illegible]
Province. V. N. Orlov, B. V. Zaichikov. [illegible]
Zemledelie 25 no. 8 13-16 Ag '63.

KUSTANAY—CITY PLANNING
A diploma project and the city of Kustanay. P.
Karasichuk. Ukraina no. 22:10 S '63.

KUSTANAY PROVINCE—MAGNETITE
Problems of the comprehensive utilization of [illegible]
nay ores. L. Bok, M. Durlishev. Sb. Ekspeb [illegible]
Kazakh. 21 no. 7 70-72 Jl '63.

KUSTANAY PROVINCE—STATE FARMS
I am ready for a conflict. A. Frishman. Gazeta [illegible]
11-12 Jl '63.

I shall return to my home state farm. [illegible] Agitator no. 20:60 O '63.

KUVASAY—CEMENT
Variegated Jurassic clays as components of raw [illegible]
in the production of cement. S. P. Poblatskii. [illegible]
Uzb. khim. zhur. 7 no. 4 11-17 '63.

KUYBYSHEV—TRANSPORTATION, AUTOMOBILE
The seven-year plan has been fulfilled, the [illegible]
five more year months till the end of 1965. [illegible]
Avt. transp. 41 no. 10:1-5 O '63.

KUYBYSHEV HYDROELECTRIC POWER STATION [illegible]
Volga Hydroelectric Power Station (Lenin)

KUYBYSHEV PROVINCE—PETROLEUM WORKERS
EDUCATION AND TRAINING
We are training drillers. B. S. Miletskii. [illegible]
no. 2:16-19 F '63.

KUYBYSHEV PROVINCE—AGRICULTURAL EXPERIMENT STATIONS
The real concern. V. Kuptsov. Part. zhizn' [illegible]
'63.

KUYBYSHEV PROVINCE—AGRICULTURE—STUDY AND TEACHING
Only by a common effort. D. D. Zuev. Shkola [illegible]
7 no. 9 30 S '63.

KUYBYSHEV PROVINCE—FIRES AND FIRE PREVENTION
Less paper-work, more organization work. [illegible]
Pozh. delo 9 no. 9 7-9 S '63.

KUYBYSHEV PROVINCE—PEDIATRICS
Board of the Ministry of Public Health Soyuza [illegible]
R. S. F. S. R. V. A. Kurskova, T. V. Kulakova [illegible]
Ros. Feder. 7 no. 8 45-46 Ag '63.

KUYBYSHEV PROVINCE—POLITICS AND GOVERNMENT
Five inspections each weekday. N. Konkolev. [illegible]
trud. no. 9:65-69 S '63.

KUYBYSHEV PROVINCE—RADIOBROADCASTING
The activist group in radio broadcasting and [illegible]
K. Shestakov. Part. zhizn' no. 17 75-76 Jl '63.

KUYBYSHEV PROVINCE—STATE FARMS
Communal housing and services should not be [illegible]
able. I. V. Firulin. Uchet i fin. v kolkhoz. i sovkhoz.
20 no. 7:23-24 Jl '63.

KUYBYSHEV PROVINCE—TELEVISION BROADCASTING
The activist group in radio broadcasting and [illegible]
K. Shestakov. Part. zhizn' no. 13:75-76 Jl '63.

KUYBYSHEV PROVINCE—WHEAT—VARIETIES
Results of transforming spring wheat into winter wheat.
A. M. Varfolomeeva. Vest. sel'khoz. nauki 8 no. 8
57-60 Mr '63.

KUYBYSHEV RESERVOIR—AERIAL PHOTOGRAPHY IN GEOGRAPHY
Using aerial photography methods and landforms [illegible]
in studying the Kuybyshev Reservoir landforms. [illegible]
Sokolov. Mat. Kom. po izuch. kart. no. 1:27-38 '61.

KUYBYSHEV RESERVOIR—LANDFORMS—MAPS
Using aerial photography methods and landforms [illegible]
in studying the Kuybyshev Reservoir landforms. [illegible]
Sokolov. Mat. Kom. po izuch. kart. no. 1:27-38 '61.

KUZNETSK ALATAU—GEOLOGY, STRATIGRAPHIC
Composition and age of the basal layer in the Ilyskaya
skaya series of the Sarala Valley (Kuznetsk Ala-Tau).
G. M. Ekhanin. Geol. i geofiz. no. 7:83-88 '63.

Lower Cambrian structural-facies zones in the north-
western and northern Kuznetsk Ala-Tau. L. V. Afan-
Geol. i geofiz. no. 4:133-134 '63.

KUZNETSK ALATAU—MANGANESE

Stratigraphic position of phosphorite and manganese occurrences in Gornaya Shoriya and in the Kuznetsk Ala-Tau. A. B. Gintsinger, M. K. Vinkman. Trudy SNIIGGIMS no. 24:107-115 '62.

KUZNETSK ALATAU—PHOSPHORITE

Stratigraphic position of phosphorite and manganese occurrences in Gornaya Shoriya and in the Kuznetsk Ala-Tau. A. B. Gintsinger, M. K. Vinkman. Trudy SNIIGGIMS no. 24:107-115 '62.

KUZNETSK BASIN—BORING MACHINERY—TESTING

Results of tests of the drilling tool of crosscutting and boring machines in Kuznetsk Basin mines. M. S. Safokhin. Nauch. trudy Mosk. inst. radioulek. i gor. elektronekh. no. 41:83-91 '62.

KUZNETSK BASIN—COAL MINES AND MINING

Rock displacement and loads on supports in working a seam in Moshchnyi Mine (Kuznetsk Basin) by means of inclined layers with hydraulic filling. E. G. Popova. Nauch. soob. IGD 20:47-49 '63.

KUZNETSK BASIN—COAL MINES AND MINING—TECHNOLOGICAL INNOVATIONS

The struggle for millions. V. Gogolev. Mol. komm. no. 6:93-95 Je '63.

KUZNETSK BASIN—ELECTRICITY IN MINING

Dynamics of electric power expenditure indices of the coal mines of the Kuznetsk Basin. V. S. Pechenin. Obshch. energ. no. 6:95-100 '63.

KUZNETSK BASIN—FLOTATION

Economic expediency of the flotation of middlings at Kuznetsk Basin coal preparation plants. V. M. Porshnev. Izv. vys. ucheb. zav., gor. zhur. 6 no. 3:180-183 '63.

KUZNETSK BASIN—GEOLOGY, STRATIGRAPHIC

Division of sediments of the Kuznetsk and Il'ya series in the Kuznetsk Basin. I. A. Vyltsan. Mat. po geol. Zap. Sib. no. 63:171-183 '62.

Middle Devonian stratigraphy of the northern Kuznetsk Basin. V. A. Ivanilia. Mat. po geol. Zap. Sib. no. 63:154-159 '62.

KUZNETSK BASIN—GEOLOGY, STRUCTURAL

Materials on tectonics of the Kuznetsk Basin based on the study of the metamorphism of coals. I. S. Pel'diakov. Mat. po geol. Zap. Sib. no. 63:217-221 '62.

KUZNETSK BASIN—INFORMATION STORAGE AND RETRIEVAL SYSTEMS

Practice of the Kuznetsk Basin Economic Council in the mechanization of information services. IU. B. Kotel'nikov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 9:68-70 '63.

KUZNETSK BASIN— PALEOBOTANY, STRATIGRAPHIC

Dubatolov, V. N. [Late Silurian and Devonian Tabulata, Heliolitoidea, and Chaetetida in the Kuznetsk Basin] Pozdnesiluriiskie i devonskie tabuliaty, geliolitidy i khetetidy Kuznetskogo basseina. Moskva, Izd-vo Akad. nauk SSSR, 1963. 193 p. 45 plates.

New plants from Jurassic sediments in the Kuznetsk Basin. I. V. Lebedev. Mat. po geol. Zap. Sib. no. 63:193-202 '62.

Stratigraphy of Upper Permian sediments in the western part of the Plotnikovo coal region in the Kuznetsk Basin. S. G. Gerelova, I. P. Maksimov. Mat. po geol. Zap. Sib. no. 63:184-190 '62.

KUZNETSK BASIN — METAMORPHISM (GEOLOGY)

Materials on tectonics of the Kuznetsk Basin based on the study of the metamorphism of coals. I. S. Pel'diakov. Mat. po geol. Zap. Sib. no. 63:217-221 '62.

KUZNETSK BASIN—PETROLOGY

Rozonova, E. D. [Lithology and conditions governing the formation of Lower Visean sediments in the Kuznetsk Basin] Litologiia i usloviia obrazovaniia nizhnevizeiskikh otlozhenii Kuznetskogo basseina. Moskva, Izd-vo Akad. nauk SSSR, 1963. 137 p. illus.

KUZNETSOV, IURII ALEKSEEVICH, 1903

Professor IUrii Alekseevich Kuznetsov, Corresponding Member of the Academy of Sciences of the U. S. S. R; on his 60th birthday. I. M. Volokhov and others. Geol. i geofiz. no. 4:135-140 '63.

KVIRING, EMMANUIL IONOVICH, 1888-1937

Outstanding fighter for communism; on the 75th anniversary of E. I. Kviring's birth. S. IA. Slucheva'ka. Ukr. ist. zhur. 7 no. 4:116-118 Jl-Ag '63.

KZYL-ORDA—AUDITING AND INSPECTION

What is revealed during the auditing process. P. Mogil'nikov. Nar. khoz. Kazakh. 21 no. 7:29-31 Jl '63.

KZYL-ORDA—INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

Not a single construction project is put into operation. I. Kim. Nar. khoz. Kazakh. 21 no. 7:44-46 Jl '63.

KZYL-ORDA PROVINCE—KAZAKHS

Some etnographic problems concerning Kazakhs in the Kzyl-Orda Province. V. V. Vostrov. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR 18:30-30 '63.

KZYL-ORDA PROVINCE—RICE—FERTILIZERS AND MANURES

Effect of fertilizers on the yield of rice in Kzyl-Orda Province. K. I. Imangaziev, M. Aitbaev. Vest. sel'khoz. nauki [Kazakh.] 6 no. 7:13-20 Jl '63.

LABINSK DISTRICT—STATE FARMS—AUDITING AND INSPECTION

What do audits on state farms reveal. V. V. Chepin, M. F. Uzhvenko. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7:37-38 Jl '63.

LABOR (OBSTETRICS)

Causes of hypofibrinogenemia and afibrinogenemia during labor and in the early postpartal period. N. A. Shilko. Akush. i gin. no. 2:52-59 '63.

LABOR AND LABORING CLASSES

(see also subdivision under Estonia; Hungary; Italy; Moscow; Sierra Leone; Transcarpathia, Ukraine; United States; Vietnam, South)

Korovnikova, N. I. [Beginnings of the labor movement and the spread of Marxism in Russia, 1883-1894] Nachalo rabochego dvizhenila i rasprostranenie marksizma v Rossii(1883-1894 gg). Moskva, Gospolitizdat, 1963. 47 p. (Metodicheskie sovety propagandistam i samostoiatel'no izuchaiushchim istoriiu KPSS)

The condition of the working class in capitalist countries. I. Kuz'minov. Mezhdunar. zhizn' 10 no. 10:67-76 O '63.

First program of the Bolshevik Party on the social rights of workers. V. Karavaev. Okhr. truda i sots. strakh. 6 no. 7:2-3 Jl '63.

Follow-up of our materials. Sots. trud 8 no. 9:132 S '63.

In the notebooks of propagandists. Komm. Bel. 37 no. 8:63-66 Ag '63.

Overcoming essential differences between industrial and agricultural labor in the U. S. S. R. I. Sigov. Sots. trud 8 no. 9:111-121 S '63.

The rallying of all antimonopolistic forces is an urgent task of the working class. K. Maidanik, K. Kholodkovskii. Polit. samoobr. 7 no. 10:24-31 O '63.

A serious scholarly research. I. Nazarenko. Mezhdunar. zhizn' 10 no. 9:138-141 S '63.

Study of communal labor problems. A. Chukhno. Sots. trud 8 no. 7:149-151 Jl '63.

Study of the problem of the transition to communism. K. Varshavskii, V. Konopleva, G. Akhmeev. Sots. trud 8 no. 9:149-155 S '63.

Sokhan', L. V., and Z. O. Sil'chenko. [Technological progress and the worker; the formation of a new type of worker in the process of the building of communism] Tekhnichnyi progres i robitnyk, formuvannia pratsivnyka novoho typu v protsesi komunistychnoho budivnytstva. Kyiv, Vyd-vo AN URSR, 1963. 101 p.

Word for youth. Prof.-tekh. obr. 20 no. 7:6-7 Jl '63.

Davydov, IU. N. [Work and freedom] Trud i svoboda. Moskva, Vysshaia shkola, 1962. 130 p. (NIC)

Seniavskii, S. L. [Workers are at the forefront; the leading role of workers during the large-scale building of communism] Vo glave—rabochii klass; o rukovodiashchei roli rabochego klassa v period razvernutogo stroitel'stva kommunizma. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. I Seriia: Istoriia, no. 17)

LABOR AND LABORING CLASSES—BIBLIOGRAPHY see Bibliography—Labor and laboring classes

LABOR AND LABORING CLASSES—EDUCATION see subdivision under Tatar A. S. S. R.

LABOR AND LABORING CLASSES—MEDICAL CARE see subdivision under Armenia

LABOR CONTRACT

Labor agreements as the principal legal way to satisfy the manpower requirements of cotton-growing state farms. A. Igdyrov. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 4:25-33 '63.

LABOR COURTS

(see also subdivision under Kazan; Kiev District)

Answering our readers' questions. Sov. iust. 31 Ag '63.

More attention to the work of fellow work. Sov. iust. no. 17:1-3 S '63.

LABOR DISCIPLINE

The collective is your family. D. Koreshk. profsoiuzy 19 no. 16:35-36 Ag '63.

Labor is the basis of training the new man. 8 no. 7:3-12 Jl '63.

Fomenko, V. A. [One for all and all for one; vsikh, vsi za odnoho. Kyiv, Derzhpolitv. 1963. 29 p. (Moral'nyi kodeks budivnyka)

Kostin, I. I. [Work for the good of society; na blago suspil'stva. Kyiv, Derzhpolitvy. 1963. 30 p. (Moral'nyi kodeks budivnyka)

LABOR JOURNALISM see Journalism, La

LABOR LAWS AND LEGISLATION

(see also subdivision under Europe, Western; United States)

The All-Union Conference on Labor Law. M. V. Baglai. Sov. gos. i pravo no. 10:128-133 O '59.

Answering our readers' questions. Sov. iust. no. 16:28-30 Ag '63.

Vsesoiuznyi zaochnyi stroitel'nyi tekhnikum [Basic principles of Soviet law and labor legislation] Osnovy Sovetskogo prava i trudovogo zakonodatel'stva, k predmetu "Osnovy Sovetskogo prava i trudovogo zakonodatel'stva." Moskva, 1963. 82 p. [MICROFILM]

"Basic Principles of the Labor Law of the U. S. S. R. and the Union Republics." Sov. gos. i pravo no. 10:3-15 O '59.

[Labor rights of young specialists] Trudovye prava molodykh spetsialistov. Moskva, Gosiurizdat, 1963. 55 p. (Iuridicheskie konsul'tatsii dlia naselenila v voprosakh i otvetakh)

Legal problems relating to the struggle against labor turnover. K. Ukhinskii. Sov. iust. no. 17:10-12 S '63.

Usenin, V. I., and M. V. Baglai. [Legal regulation of labor in capitalist countries] Pravovoe regulirovanie truda v kapitalisticheskikh stranakh. Moskva, Gosiurizdat, 1963. 212 p.

Modern bourgeois legal theories of labor. I. Kisselev. Sots. trud. 8 no. 7:30-39 Jl '63.

Aleksandrov, N. G. [Soviet labor law] Sovetskoe trudovoe pravo. Izd. 3., ispr. i dop. Moskva, Gosiurizdat, 1963. 414 p.

Survey of labor legislation. Sots. trud. 8 no. 7:147-148 Jl '63.

Work of the Committees for Legislative Proposals of the Soviet Union and the Soviet of Nationalities of the Supreme Soviet of the U. S. S. R. Sov. gos. i pravo no. 10:3 O '59.

LABOR PARTY see subdivision under Great Britain

LABOR PARTY (GREAT BRITAIN) see Great Britain—Labor Party

LABOR PRODUCTIVITY

(see also subdivision under Kazakhstan, Moscow Province, Ukraine; West Siberian Economic region)

Borisov, E. F., and N. P. Varzin. [Labor productivity and the building of communism] Proizvoditel'nost' truda i postroenie kommunizma. [n.p.] Rosvuzizdat, 1963. 46 p.

Khromov, P. A. [Labor productivity in the U. S. S. R. industry] Proizvoditel'nost' truda v promyshlennosti SSSR. Moskva, Ekonomizdat, 1963. 162 p.

The main thing is to educate man to work. Mashinostroitel' no. 8:1-2 Ag '63.

Korovina, Z. P. [Method of calculating the time expended per unit of production] Metodika raschetov trudoemkosti produktsii. Moskva, Ekonomizdat, 1963. 94 p.

Uniform system of the analysis of potentials for increasing labor productivity. G. Prudenskii. Sots. trud. 8 no. 9:20-30 S '63.

Zanin, V. I. [Working time and labor productivity] Rabochee vremia i proizvoditel'nost' truda. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 114 p.

LABORATORIES—DESIGN AND CONSTRUCTION see subdivision under Riga

LABORATORIES—FURNITURE, EQUIPMENT, ETC.

Laboratories for specialized subjects are equipped in a new way. N. A. Kouzov. Vest. vys. shkoly 21 no. 9:70-71 S '63.

LABYRINTH (EAR)

Effect of light stimuli on the distinctiveness of some vestibular reactions in man [with summary in English]. S. S. Markarian. Zhur. ush., nos. i gorl. bol. 23 no. 4:41-45 Jl-Ag '63.

Morphology of the osseous capsule of the labyrinth in

[illegible]

[illegible] AND LACQUERED—TESTING

[illegible]

[illegible]—DISEASES

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

LAKE SHI PRESERVE—LIVERWORTS

[illegible] the Caucasus, Lagodekhi Preserve. [illegible] Bot. mat. Otd. Bot. in-t AN SSSR, 16:172-193, '63.

LAKES [illegible] see subdivision under Kurgal'dzhino District

LAMB RAISING see Gardening

LAMBS—DISEASES AND PESTS

[illegible] special changes in lambs with dysentery [illegible] Trud. Gruz. zootekn.-vet. in-ta, 32:37-43 '61.

Principles and measures against noninfectious diseases in [illegible] G. K. Romanenko. Veterinariia 39 no. 11:61-62, N '62.

LAMINAR FLOW

Interaction of heat and hydrodynamic fields in a flow having [illegible] viscosity. A. Sh. Asaturian, B. A. Tonkonogov, V. I. Chernikin. Izv. vys. ucheb. zav., neft' i gaz 4 no. 7:77-81 '61.

Problem of the laminar flow of a viscous dropping liquid [illegible] cylindrical pipes. L. I. Fudriashev, V. M. [illegible]. Izv. vys. ucheb. zav., neft' i gaz 4 no. 3:107-112 '61.

LAMINATED METALS

[illegible] wear-resistant layers deposited on 35Kh and [illegible] by Bagrianskii, V. N. Kaliganov, P. F. [illegible]. Svar. proiz., 10:25-29 S '63.

LAMINATED METALS—THERMAL PROPERTIES

[illegible] specific heat capacity of thermostatic bimetals [illegible] for controlling thermostatic elements. A. I. [illegible], V. Kerzhentsev. TS. ch. met. 36 no. 5:67-71 My '63.

LAMINATED PLASTICS

Strength of laminated plastics. K. V. Zakharov. Plast. massy no. 6:47-50 '63.

LAMINATED PLASTICS—TESTING

[illegible] for the specific impact strength of [illegible]. F. P. Bellankin, N. I. Dybenko. [illegible], 5:508-512 '63.

LAMPREYS see subdivision under Bering Sea

LAMPS

[illegible] Iu. Kolesnychenko. Nauka i [illegible] 14:37-38 Jl '63.

LAND—CLASSIFICATION see subdivision under Moscow

LAND TENURE

See also subdivision under Bolivia, Bolzano, Italy, Chile, Mexico, Pas Shamra; Uzbekistan]

The Latin agrarian program. T. Aitiev. *Nar. khoz. Kazakh.*, 21 no. 7:9-11 Jl '63.

Problems of rural communes in I. V. Luchitskii's works. P. T. Lapshin. Sred. vek no. 23:216-228 '63.

We should strictly observe the laws on land tenure. M. Tumanova. Sots. zakon. 40 no. 8:59-61 Ag '63.

LANDAU, LEV DAVIDOVICH, 1908-

Our Dau. A. I. Shal'nikov. Kult. i zhizn' 7 no. 2:38-39 '63.

Russian scientist in a miracle world. T. Ptukha, E. Fedin. Znamia pratsia no. 9:18-19 Mr '63

LANDFORMS

(see also subdivision under Aral Sea region, Baltic Sea region, East European Plain; Karelia; Latvia; Siberia, Western, Trans-Ili Alatau region)

Main forms of the morphosculpture widespread in the U. S. S. R. I. P. Vedenskaia. Izv. AN SSSR. Ser. geog. no. 5:64-72 S-O '63.

LANDFORMS—MAPS

(see also subdivision under Alma-Ata Province, Kazakhstan, Kuybyshev Reservoir; Russia, Northern; Transcaucasia, Veps Upland region; Vologda Province)

Examples representing U. S. S. R. landforms on maps made on a 1:4,000,000 scale. A. G. Isachenko. Mat. Kom. po land. kart. no. 2:19-30 '62.

Foreword. Mat. Kom. po land. kart. no. 2:4 '62.

From the Committee on Landform Maps. Mat. Kom. po land. kart. no. 1:2 '61.

Principles of scaling the legend of medium-scale landform maps. A. G. Isachenko. Mat. Kom. po land. kart. no. 1:3-9 '61.

Several general problems in plotting small-scale landform maps. F. N. Milkov. Mat. Kom. po land. kart. no. 2:45-54 '63.

LANDING OPERATIONS

Members of the landing force. F. Gavrikov. Voen. znan. 39 no. 9:14-15 S '63.

Members of the landing force attain mastery. F. Gavrikov. Voen. vest. 43 no. 9:20-22 S '63.

LANDSCAPE GARDENING see subdivision under Dnepropetrovsk, Leningrad

LANDSCAPE PAINTING

Ogoltsevets, V. S. [Work on landscape etudes] O rabote nad etiudami peizazha. [Moskva] Profizdat, 1963. 61 p., illus. (V pomoshch' samodeiatel'nomu khudozhniku)

LANG, GEORGII FEDOROVICH, 1875-

G. F. Lang, prominent Soviet therapeutist. V. I. Borodulin. Med. sestra 22 no. 9:60-63 S '63.

LANGUAGE AND LANGUAGES

Ogiéreva, T. A. [Establishing standards for a literary language] Stanovlenie norm literaturnogo iazyka. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 183 p.

Foreign language aids for evening (staggered) schools. Inostr. iaz. v shkole no. 4:59-60 Jl-Ag '63.

LANGUAGE AND LANGUAGES—AUDIO-VISUAL AIDS

Aids for the oral introductory course. Inostr. iaz. v shkole no. 4:60-63 Jl-Ag '63.

Foreign language study room. V. M. Lependin, V. M. Faiduk, Iu. I. Shcherbak. Inostr. iaz. v shkole no. 4:95-104 Jl-Ag '63.

LANGUAGE AND LANGUAGES—*DICTIONARIES*

Some problems in the compilation of word-frequency dictionaries. R. M. Frumkina. Mash. perev. i prikl. ling. no. 2:23-37 '59.

LANGUAGE AND LANGUAGES—PROGRAMMED INSTRUCTION

Programmed instruction in foreign languages. V. Peshekhonova, A. Zavoloka. Rad. shk. 42 no. 5:48-51 My '63.

LANGUAGE AND LANGUAGES—STUDY AND TEACHING

Foreign language *in tactical exercises*. M. Bol'shakov. Voen. vest. 42 no. 11:62-63 N '62.

Foreign language *material* for course work. Inostr. iaz. v shkole no. 4:113-128 Jl-Ag '63.

In anticipation of the August conferences. Inostr. iaz. v shkole no. 4:15-20 Jl-Ag '63.

New features in teaching foreign languages. N. N. Trubil. Rad. shk. 23 no. 5:70-75 S '63.

Place of comprehensive reading in studying a foreign language. A. A. Khadeeva-Bykova. Vop. filol. no. 1:145-150 '62.

Some *principles of methodology*. I. N. Gorelov. Inostr. iaz. v shkole no. 4:5-14 Jl-Ag '63.

Some problems of the elementary stage of teaching. N. I. Gez. Inostr. iaz. v shkole no. 3:20-30 Jl-Ag '63.

Training of future foreign language teachers needs detailed educational plans. O. S. Drachuk. Rad. shk. 42 no. 5:84-88 My '63.

LANGUAGE AND *LANGUAGES*—WORD FREQUENCY

Some problems in the compilation of *word-frequency dictionaries*. R. M. Frumkina. Mash. perev. i prikl. ling. no. 3:23-37 '59.

LANTHANUM FLUORIDE

Phase equilibria in the system [illegible]. Kh. I. [illegible], Izv. SO AN SSSR no. 1, [illegible] 107-110 '63.

LAPLACE TRANSFORMATION

Expansion in Neumann type series of [illegible] defined by Laplace transformation. V. M. [illegible]. Sekt. mat. i mekh. AN Kazakh. SSR [illegible]

LAPLAND PRESERVE

Semenov-Tian-Shanskii, O. I. [Lapland Preserve; a popular scientific sketch] Laplandskii gosudarstvennyi zapovednik; nauchno-populiarnyi ocherk. Murmansk. Murmanskoe knizhnoe izd-vo, 1963. [illegible] (MIL 16:11)

LARCENY

How could it happen? N. Monchadskaia. Sov. torg. no. 9:71-76 S '63.

LARCH

(see also subdivision under Altai Territory; A. S. S. R., Siberia; Ural Mountains)

Biological drying of larch after felling. Les. prom. 40 no. 3:18-20 Mr '63.

LARCH—DISEASES AND PESTS

Chemical control of the stem pests of [illegible]. A. S. Isaev. Trudy Inst. lesa 1 dreves. [illegible]

LARINA, VARVARA KIRILLOVNA, 1894

From mail of a Soviet soldier. V. Portugalova. Sov. voin 45 no. 18:36 S '63.

LARIONOVA, KLARA MAKSIMOVNA

Heroines, aviatrixes, K. Larionova. [illegible] no. 15:41 Ag '63.

LARYNX—CANCER

Baradulina, M. G. [Clinical aspects and [illegible] regional metastases in laryngeal cancer] Klinicheskie regional'nykh metastazov raka [illegible] skva, Medgiz, 1963. 166 p. (MLM)

LARYNX—INNERVATION

Laryngeal nerves in swine. I. S. Ivanchidze. Gruz. zootekh.-vet. nauch.-issl. inst. [illegible]

LASERS

Energy stream through the air. D. Rizhikov. [illegible] no. 10:20 S '63.

Light in radio engineering. V. Dombrov. [illegible] no. 7:32-33 Jl '63.

Machining materials by means of electron or laser beam. A. I. Markov. Mosk. tekh.-tekhn. [illegible] nauch.-issl. inst. nauch. i tekh. informatsii. [illegible] '63.

Myth about the "death rays." Hans Thirring. [illegible] zhizn' 30 no. 9:102-103 S '63.

Output power of a neon-helium laser and its [illegible] various parameters. N. G. Basov, L. P. Mosina, Nikitin. Opt. i spektr. 15 no. 3:430-433 S '63.

Through-type optical amplifiers. V. V. [illegible], Lebedev. Opt. i spektr. 15 no. 3:413-420 S '63.

LATHES

(see also subdivision under Czechoslovakia)

Korablev, P. A., and V. M. Sumilov. [Automatic [illegible] of the readjustment of cutting tools on automatic lathes] Avtomatizatsiia podnastroiki instrumenta na [illegible] avtomatakh. Moskva, Mashgiz, 1963. 139 p.

Installing the 1A730 semiautomatic multicut lathe in an automatic production line. V. A. Avtonomov, [illegible] binovich, V. F. Shapovalov. Mekh. i avtom. proizv. no. 8:1-3 Ag '63.

Precision of the machining on lathes with a hydraulic profiling slide. N. I. Uskov. Trudy Stud. nauch. [illegible] LIEI no. 3:6-12 '60.

LATHES—TECHNOLOGICAL INNOVATIONS

Modernization of a turret lathe. A. I. Keren. Mekh. i [illegible] stroitel' no. 8:12 Ag '63.

LATIN AMERICA—COMMERCE

The Latin American Free Trade Association. P. [illegible] shchenko. Mezhdunar. zhizn' 10 no. 9:150-154 [illegible]

LATIN AMERICA—ECONOMIC ASSISTANCE, AMERICAN

Yankee imperialism and Latin America. V. I. [illegible], A. Matilen. Mir. ekon. i mezhdunar. otn. no. 8:147-[illegible] '63.

LATIN AMERICA—ECONOMIC CONDITIONS

Yankee imperialism and Latin America. V. I. [illegible] lina. Mir. ekon. i mezhdunar. otn. no. 8:147-152 [illegible]

LATIN AMERICA—FOREIGN RELATIONS

"Countries of Latin America in international relations, 1808-1962" by N. V. Korolev. Reviewed by A. [illegible] Komm. Mold. 8 no. 3:68-70 Mr '63.

LATIN AMERICA—RELATIONS (MILITARY) WITH UNITED STATES
Military expansion of the U. S. A. in the countries of Latin America. Mezhdunar. zhizn' 10 no. 10:138-139 O '63

LATIN AMERICA—SPANISH LANGUAGE
Stepanov, G. V. [The Spanish language in Latin American countries] Ispanskii iazyk v stranakh Latinskoi Ameriki. Moskva, Izd-vo lit-ry na inostr. iazykakh, 1963. 201 p. (Biblioteka filologa)

LATVIA—AGRICULTURE—LABOR PRODUCTIVITY
Bagrad, M. V. [Methods for calculating and analyzing labor productivity on collective and state farms] Metody ischisleniia i analiza proizvoditel'nosti truda v kolkhozakh i sovkhozakh. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1961. 100 p.

LATVIA—ARBITRATION AND AWARD
A decision of the State Arbitration Agency attached to the Council of Ministers of the Latvian S. S. R. Inform. sbor. TSNIIMF no. 67, Mor. pravo i prak. no. 14:53 '61.

LATVIA—ASPEN—DISEASES AND PESTS
Increasing the productivity of aspen stands. A. Zviedris. Les. khoz. 16 no. 8:21-23 Ag '63.

LATVIA—DRAINAGE
Forest drainage and the construction of logging roads. P. M. Maike. Les. khoz. 16 no. 8:10-13 Ag '63.

LATVIA—ELECTION LAW
Latvian S. S. R. Laws, statutes, etc. [Statute on elections to the Supreme Soviet of the Latvian S. S. R. As amended by the decrees of the Presidium of the Supreme Soviet of the Latvian S. S. R. of January 5 and 20, 1959, March 31, 1961, and December 27, 1962] Polozhenie o vyborakh v Verkhovnyi Sovet Latviiskoi SSR ot 5 i 20 ianvaria 1959 goda, 31 marta 1961 goda i 27 dekabria 1962 goda. Riga, Latviiskoe gos. izd-vo, 1963. 27 p.

LATVIA—FOREST MANAGEMENT
Gradual cuttings in Latvia. K. A. Saks. Les. khoz. 16 no. 7:31-32 Jl '63.

LATVIA—FOREST ROADS
Forest drainage and the construction of logging roads. P. M. Maike. Les. khoz. 16 no. 8:10-13 Ag '63.

LATVIA—LANDFORMS
History of the delineation of marginal forms in Latvia. I. J. Danilans. Trudy Kom. chetv. per. 21:76-83 '63.

LATVIA—LUMBERING—CONGRESSES
Conference in Riga. Les. prom. 41 no. 8:20 Ag '63.

LATVIA—MEDICINE, INDUSTRIAL
Conditions of work in the chemical industry. K. Vinogradov. Okhr. truda i sots. strakh. 6 no. 9 22-23 S '63.
Great responsibility. IA. Makarovskaia. Okhr. truda i sots. strakh. 6 no. 9 22-23 S '63.

LATVIA—MORAINES
History of the delineation of marginal forms in Latvia. I. J. Danilans. Trudy Kom. chetv. per. 21:76-83 '63.

LATVIA—PLANT QUARANTINE
From the inspection work practices in Latvia. G. D. Funtikova. Zashch. rast. ot vred. i bol. 8 no. 8:49 Ag '63.

LATVIA—SERVICE INDUSTRIES
Rule without exceptions. A. Sokolov. Mest. prom. i khud. promys. 4 no. 4:12 Ap '63.

LATVIA—STANDARDIZATION
Standardization control in enterprises and organizations of the Latvian S. S. R. D. S. Kniazev, G. E. Dombrovskii, N. B. Belostotskii. Standartizatsiia 27 no. 9 35-37 S '63.

LATVIA—STATISTICS
[The Latvian S. S. R. in figures for 1962; concise statistical abstract] Latviiskaia SSR v tsifrakh v 1962 godu; kratkii statisticheskii sbornik. Riga, Gosstatizdat, 1963. 211 p.

LATVIA—WOOD-DECAYING FUNGI
Increasing the productivity of aspen stands. A. Zviedris. Les. khoz. 16 no. 8:21-23 Ag '63.

LATVIA—WORLD WAR, 1939-1945—CAMPAIGNS
Raid to the gulf. I. Kravchenko. Voen. vest. 43 no. 9: 10-12 S '63.

LATVIAN ACTORS see Actors, Latvian

LATVIAN LITERATURE—HISTORY AND CRITICISM
Latvijas PSR Zinatnu akademija. Valodas un literaturas instituts. [History of Latvian literature] Latviesu literaturas vesture. Riga,
Vol. 6. [Soviet Latvian literature; from 1940 to 1960] Latviesu Padomju literatura; no 1940 lidz 1960 gadam. 1962. 1023 p. [In Latvian]

LATVIANS—CRANIOLOGY
Apropos of V. P. Alekseev's article "Craniological materials on the problem of the origin of Latvians." I. S. Guseva. Vop. antr. no. 13:140-145 '63.

LAVOCHKIN, SEMEN ALEKSEEVICH, 1900-1960
The main designer. A. Chesalov. Av. i kosm. 46 no. 9 72-76 S '63.

LAW
(see also subdivision under Ukraine)
Decisions of the plenary session of the Supreme Court of the U. S. S. R. Sov. iust. no. 17:25-28 S '63.
Epochs, types, stages, subdivisions, phases, forms, and periods in the development of the Soviet state and law. A. A. Ushakov. Uch. zap. Perm. gos. un. 25 no. 1. 3-22 '62.
Legal advice. Rad. pravo no. 3:148-152 My-Je '63.
The most important legislative enactments of foreign countries, May-June 1959. Sov. gos. i pravo no. 10:150-154 O '59.

LAW—BIBLIOGRAPHY see Bibliography—Law

LAW—CASES
(see also subdivision under Ukraine)
[Bulletin of the Supreme Court of the R. S. F. S. R.] Biul. Verkh. Suda RSFSR no. 10 '63.
How public prosecutors supervise the observance of Soviet laws. Sots. zakon. 40 no. 8:89-90 Ag '63.

LAW—CODIFICATION
Brief study on the history of the codification of Soviet law; the problems of "legal techniques." A. A. Ushakov. Uch. zap. Perm. gos. un. 25 no. 1:143-162 '62.

LAW—PERIODICALS
A conference of contributors to our periodical. Sots. zakon. 40 no. 8:93-96 Ag '63.

LAW—PHILOSOPHY
N [illegible]
[illegible]
gosudarstva i prava na sovremennom etape. Trudy Vladivostok, Dal'nevostochnyi gos. univ., 1963. 90 p. [MICROFILM]

LAW—STUDY AND TEACHING
(see also subdivision under Germany, East)
Let us disseminate legal knowledge among the masses. M. Buskakov, O. Kyryliuk. Rad. pravo no. 3:119-123 My-Je '63.
Moscow. Ekonomiko-statisticheskii institut. [Methodological manual for study in the course "Soviet law"] Uchebno-metodicheskoe posobie k izucheniiu kursa "Sovetskoe pravo." [n. p.,] 1962. 71 p. [MICROFILM]

LAZARENKO, EVGENII KONSTANTINOVICH, 1912-
Evgenii Konstantinovich Lazarenko. Min. sbor. no. 16: 5-13 '62.

LE RIVEREND, JULIO
Our meeting with Julio Le Riverend. A. M. Zorina. Vop. ist. 38 no. 9:134-135 S '63.

LEACHING
Hydrometallurgical treatment of fused thio salts and cadmium sublimates from the smelting of shaft furnace dusts with sodium sulfate. I. R. Polyviannyi, V. D. Solov'eva. Trudy Inst. met. i obog. AN Kazakh. SSR 6:130-137 '63.
Investigating the leaching of arsenic out of converter dusts with solution of sodium sulfide. I. R. Polyviannyi, IA. Z. Malkin. Trudy Inst. met. i obog. AN Kazakh. SSR 6:77-90 '63.
Simultaneous leaching of fused thio salts of antimony and sodium antimonate. I. R. Polyviannyi, N. I. Anan'ev. Trudy Inst. met. i obog. AN Kazakh. SSR 6:135-147 '63.
Treatment of alkali melts obtained in the smelting of tellurium-bearing materials. N. A. Militutina, I. R. Polyviannyi. Trudy Inst. met. i obog. AN Kazakh. SSR 6:72-76 '63.
Underground leaching holds great promise for the copper industry. B. M. Sobiev, L. V. Khodov. Gor. zhur. no. 9: 3-4 S '63.

LEAD—METALLURGY
Effect of the physical state of the charge mixture and the rate of blowing on the sintering process of lead concentrates. A. B. Novozhilov. TSvet. met. 36 no. 9: 32-37 S '63.

LEAD COMPOUNDS
Effect of alkali metal cations on the formation of thiocyanate complexes of lead (II). V. E. Mironov, F. IA. Kul'ba, O. I. Trifonov. Zhur. neorg. khim. 8 no. 9:2113-2117 S '63.
Production and analysis of complex compounds of the type $A_2B^{I}B^{II}O_3$. V. S. Filip'ev, M. F. Kupriianov, E. G. Fesenko. Kristallografiia 8 no. 5 790-791 S-O '63.
Stability of chloride complexes of lead, bismuth, and cadmium. V. E. Mironov, V. A. Fedorov, V. A. Nazarov. Zhur. neorg. khim. 8 no. 9:2109-2112 S '63.

LEAD INDUSTRY—BY-PRODUCTS
Smelting the dusts from shaft furnaces in lead plants with sodium sulfate. V. D. Solov'eva, I. R. Polyviannyi. Trudy Inst. met. i obog. AN Kazakh. SSR 6:106-117 '63.

LEAD ISOTOPES
Isotopic composition of lead in the oldest rocks. G. V. Sobotovich, S. M. Grashchenko, A. V. Lovtsius. Radiokhimiia 5 no. 2:157-160 '63.
Isotopic composition of lead of the northern Tien Shan. L. IA. Aranashenok and others. Radiokhimiia 5 no. 2: 160-164 '63.

LEAD ORES see subdivision under Kirghizistan

LEAD OXIDES
Solubility in the system PbO - $Na_2C_4H_2O$ - H_2O at 25°. E. S. Bruzile. Zhur. neorg. khim. 8 no. 10:2300-2304 O '63.

LEAD POISONING
Change in the filtration and reabsorption function of the kidneys in saturnism, an experimental study. R. G. Iskakova. Izv. AN Kazakh. SSR. Ser. med. nauk no. 2 82-87 '63.
Changes in the protein composition of blood serum in lead poisoning in an experiment, preliminary report. A. T. Aldanazarov, T. Kh. Aitbaev, N. A. Kutyrkina. Izv. AN Kazakh. SSR. Ser. med. nauk no. 2 48-53 '63.
Changes in the renal blood flow in chronic lead poisoning; an experimental study. R. G. Iskakova. Izv. AN Kazakh. SSR. Ser. med. nauk no. 2:58-61 '63.
Content of mediators in the blood in lead poisoning. Report No. 1: Adrenaline content in the dynamics of lead poisoning in an experiment. N. N. Tikhonov, V. A. Semenova. Izv. AN Kazakh. SSR. Ser. med. nauk no. 2: 42-47 '63.
Distribution of iodine -131 in the thyroid gland, blood plasma, and the salivary gland in experimental lead poisoning in rats. M. E. Zel'tser. Izv. AN Kazakh. SSR. Ser. med. nauk no. 1:66-70 '63.
Fractional composition of serum proteins in the aggravation of chronic saturnism. B. A. Believ, IU. M. Levanov. Izv. AN Kazakh. SSR. Ser. med. nauk no. 1:76-79 '63.
Reaction of the thyroid gland in the initial stage of experimental lead poisoning. M. E. Zel'tser. Izv. AN Kazakh. SSR. Ser. med. nauk no. 2:54-57 '63.

LEAST SQUARES
Minimization of the mean square error of the approximate wave function and the calculation of matrix elements. S. I. Vetchinkin. Opt. i spektr. 15 no. 3:291-297 S '63.
Use of the method of least squares in solving eigenvalue problems. V. A. Medvedev. Dokl. AN SSSR 151 no. 6. 1280-1282 Ag '63.

LEATHER
Proline and hydroproline content along the derma layers of chrome tanned kips. N. A. Oroshkov. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:100-102 '63.

LEATHER—DRYING
Reducing the losses in surface dimensions of chrome tanned leather during the first drying. Report No. 2: Fixation of the leather structure. M. P. Kotov. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:93-92 '63.

LEATHER—MACHINERY
At the Exhibition of the Achievements of the National Economy of the U. S. S. R. Mekh. i avtom. proizv. 17 no. 8:46-48 Ag '63.

LEATHER—MEASUREMENT
Accuracy of area measurements of stiff leather with measuring machines. G. N. Kupriianova, B. L. Elen, M. P. Kupriianov. Izv. vys. ucheb. zav., tekh. leg. prom. no. 4:98-104 '63.

LEATHER—TESTING
Effect of radiation on leathers tanned by various methods. I. P. Strakhov, P. I. Levenko, I. G. Shifrin. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:93-99 '63.
Qualitative analysis of correlation in the testing of shoe materials. V. P. Nesterov. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 4:84-92 '63.
Resistive force of the contact friction of chrome-vegetable and vegetable tanned leather for soles. V. N. TSvetkov, V. N. Glukhov. Izv. vys. uchob. zav.; tekh. leg. prom. no. 2:60-66 '63.

LEATHER, ARTIFICIAL
Investigating the washing out of pore building agents from carboxyl-containing rubbers. I. A. Shtern, I. V. Plotnikov, S. A. Pavlov. Izv. vys. ucheb. zav., tekh. leg. prom. no. 2:48-54 '63.
Synthesis and investigation of hydrophilic polyester urethanes for the manufacture of artificial leather with high hygienic properties. S. L. Polinskii, I. V. Plotnikov, S. A. Pavlov. Izv. vys. ucheb. zav., tekh. leg. prom. no. 4:54-64 '63.
Technical and economic basis for the production of soft artificial materials with a mechanically bonded fibrous base (IK artificial leather). P. S. Pushkin, B. V. Tikhomirova, O. S. Shapkina. Izv. vys. ucheb. zav., tekh. leg. prom. no. 4:13-16 '63.

LEATHER, ARTIFICIAL (Continued)

[illegible] for producing the face layer of artificial leather with a protein fiber base [illegible] for raising the elasticity of fibrin with [illegible] to properties of the addition [illegible] and traces of trivalent chromium [illegible] G M [illegible] A Pavl [illegible] Izv vyss. ucheb. zav., tekh. leg. prom. no. 4 41-47 '63.

LEATHER, ARTIFICIAL—TESTING

Factors which increase the wear resistance of electrostatic sheet leather. Report [illegible] M A Sarukhanova, I V Plotnikov, S A Pavlo[illegible] Izv. vyss. uchebn. zaved., tekh. leg. prom. no. 2 14-20 '63.

LEATHER INDUSTRY

[illegible] Vladimirskoi oblastnoi Sovnarkhoz Vol'no-Vyatka Economic Council

Mechanized systems for the manufacture of chrome leather from pickling, and the potentialities for an increase of production capacity and labor productivity. I. B. Kvintsevich. Izv. vyssh. uchebn. zav., tekh. leg. prom. no. 2 152-167 '63.

[illegible] of the use of [illegible] factors of chrome [illegible] for the [illegible] and for increasing [illegible] and labor productivity. I. B. Kvintsevich. Izv. vyssh. uchebn. zav., tekh. leg. prom. no. 4 160-[illegible]

LEATHER INDUSTRY—BY-PRODUCTS

[illegible] products [illegible] A Tikhomirov, P. M. [illegible] Pishch. tekhnol. inform. [illegible] 16 no. 8 72-[illegible]

LEAVES—ANATOMY

Anatomical structure of the [illegible] of basic tree species in Krasnoyarsk Territory. L. A. Turbina-Khan. Trud. [illegible] 118-127 '63.

LEBANON—RELATIONS (MILITARY) WITH THE UNITED STATES

[illegible] letter from Lebanon. Mamlakah Zayat[illegible] Il no. 42 13-14 O '63.

LECTURES AND LECTURING

[illegible] M. Medvedev. Mezhdunar. zhizn' 10 [illegible] 147-154 S '63.

Methodical [illegible] M. Medvedev. Mezhdunar. zhizn' 10 [illegible] 148-149 O '63.

Schools for agricultural lecturers. I. Konissarov. Part. zhizn' no. 19 59 O '63.

LEECHES

Shanshuldzhi, N. K. [Medicinal leech] Meditsinskaia piiavka. Tashkent, Medgiz UzSSR, 1963. 12 p. (DSLM)

LEG—ABNORMITIES AND DEFORMITIES

Late results of osteoplasties in pseudarthrosis and extensive bone defects of the leg in children. R. G. Fedo[illegible] Ortop., travm. i protez. 24 no. 2 44-50 F '63.

LEG—WOUNDS AND INJURIES

Tactics of administration of aid and treatment in crush injuries of both shins and severe shock. I. F. Pan'kina. Ortop., travm. i protez. no. 1 82-83 '63.

LEGAL RESEARCH see subdivision under Baltic States, Rostov-on-Don

LEGENDS

Rybakov, B. A. [Old Russia, legends, byliny, chronicles] Drevniaia Rus', skazaniia, byliny, letopisi. [Moskva] Izd-vo Akad. nauk SSSR, [1963] 358 p.

LEGENDS, JEWISH

Did the Tower of Babel exist? P. Pliusch. Nauka i rel. 8 no. 5 8-10 My '63.

LEGENDS AND STORIES OF ANIMALS see Animals, Legends and stories of

LEGUMES

Increasing the endurance of leguminous plants in the grass stands of natural flooded meadows [with summary in English]. N. P. Krylova. Biul. MOIP. Otd. biol. 68 no. 4 72-83 Jl-Ag '63.

LEGUMES—DISEASES AND PESTS

Sucking pests of pulse crops. A. B. Fratkin. Zashch. rast. ot vred. i bol. 8 no. 4 33-34 Ap '63.

LEGUMES—DISEASES AND PESTS—BIBLIOGRAPHY see Bibliography—Legumes—Diseases and pests

LEGUME BREEDING

Transforming the strain qualities of perennial leguminous grasses sown in summer as a method for developing winter-hardy varieties. V. M. Rabinovich. Vest. sel'khoz. nauki 8 no. 3 36-38 Mr '63.

LEIPZIG—CONSTRUCTION EQUIPMENT

Construction equipment at the Leipzig Fair. P. Khaidenvag. Prom. stroi. 40 [i.e. 41] no. 7 56 Jl '63.

LEISHMANIASIS, CUTANEOUS see Delhi boil

LEL'CHUK, PETR IAKOVLEVICH, 1898-

Petr Iakovlevich Lel'chuk, on the 10th anniversary of his medical, scientific, pedagogic, and social activities. Akush. i gin. no. 2 112 '63.

LENA VALLEY—GEOLOGY, STRATIGRAPHIC

Aldan and Lena stages of the Lower Cambrian. A. A. Predtechenskii. Trudy SNIIGGIMS no. 24 5-9 '62.

LENGTH MEASUREMENT

Large gauge blocks. I. P. Vaganov, N. M. Shchipacheva. Izm. tekh. no. 8 15-16 Ag '63.

Precision of pneumatic devices for linear measurements. A. IA. Rostovykh. Izm. tekh. no. 5 10-12 My '63.

LENIN, VLADIMIR IL'ICH, 1870-1924

The brains, honor, and conscience of our epoch. Ukr. ist. zhur. 7 no. 4 3-12 Jl-Ag '63.

Galin, B. A. [Builder of a new world; sketches of Lenin] Stroitel' novogo mira; ocherki o Lenine. Moskva, Sovetskii pisatel', 1960. 318 p. (CaOTU)

Finding in the archives of "Sail." M. R. Khelfets. Ogonek 41 no. 40 9 S '63.

The great Lenin's party. V. A. Radus-Zen'kovich. Shkola i zhizn' no. 4 5-6 Jl-Ag '63.

Historical situation in the period when V. I. Lenin wrote his book "Materialism and empiric criticism." I. I. Bondarenko. Nauch. zap. Zapor. gos. ped. inst. 7 5-18 '59.

The Lenin agrarian program. T. Attiev. Nar. khoz. Kazakh. 21 no. 7 9-11 Jl '63.

"Lenin was the greatest man," says Wells. G. Mendel'evich. Kul't. i zhizn' 7 no. 4 3-4 '63.

Patlazhan, IU. I. [The Leninist foreign policy of peace prevails] Leninska zovnishnia politika myru peremahaie. Kyiv, Derzhpolitvydav URSR, 1963. 77 p.

Lenin's principles of party and state control. V. Volovich. Komm. Vooruzh. Sil. 3 no. 18 88-92 S '63.

Lenin's views on the work of the soviets. V. Vasil'ev. Sov. deput. trud. no. 9 88-89 S '63.

The most brilliant example of scientific atheism. A. IA. Krugliak. Nauch. zap. Zapor. gos. ped. inst. 7 75-88 '59.

The nature of artistic typification in the light of V. I. Lenin's theory of reflection. E. K. Mikson, A. G. Nosko. Nauch. zap. Zapor. gos. ped. inst. 7 175-193 '59.

Role of V. I. Lenin's book "Materialism and empiric criticism" in the development of Soviet educational theory. I. V. Pukha. Nauch. zap. Zapor. gos. ped. inst. 7 129-141 '59.

Studies on the language and style of V. I. Lenin's works. V. N. Turkin. Nauch. zap. Zapor. gos. ped. inst. 7 257-272 '59.

They were considered lost.... R. Peresvetov. Kul't. i zhizn' 7 no. 4 5-8 '63.

Two months with Lenin. K. Cherevkov. Ogonek 41 no. 21 8 My '63.

"V. I. Lenin and the Bolshevik organization in Ekaterinoslav, documents and source materials." T. M. Kolisher. Ukr. ist. zhur. 7 no. 4 136-138 Jl-Ag '63.

V. I. Lenin and a movement for the solidarity of foreign workers with the land of the soviets, 1921-1923. O. A. Makarenko. Ukr. ist. zhur. 7 no. 4 25-35 Jl-Ag '63.

V. I. Lenin on the establishment of the Marxist party of Russian revolutionary workers and the basic phases of its history and development. O. T. IUrchenko. Ukr. ist. zhur. 7 no. 4 13-24 Jl-Ag '63.

V. I. Lenin, published in 1894.... L. Lupalo. Smena 40 no. 14 6-7 Jl '63.

V. I. Lenin's views on control. S. Mezentsev. Part. zhizn' no. 18 73-76 S '63.

V. I. Lenin's exposure of the sophistical arguments of subjectivistic idealists. N. M. Makliak. Nauch. zap. Zapor. gos. ped. inst. 7 89-104 '59.

Valuable initiative. V. Solov'ev. Agitator no. 20 50 O '63.

Working out of the theory of the explicitness of truth in V. I. Lenin's book "Materialism and empiric criticism." D. A. Korchevoi. Nauch. zap. Zapor. gos. ped. inst. 7 32-46 '59.

LENIN, VLADIMIR IL'ICH, 1870-1924—HOMES AND HAUNTS

[Ul'yanovsk, the native city of V. I. Lenin; notable places] Ul'ianovsk - Rodina V. I. Lenina, pamiatnye mesta. [Ul'ianovsk] Ul'ianovskoe knizhnoe izd-vo, 1963. 220 p.

LENIN, VLADIMIR IL'ICH, 1870-1924—MUSEUMS, RELICS, ETC

Moscow. TSentral'nyi muzei V. I. Lenina. Kievskii filial. [The Kiev Branch of the V. I. Lenin Museum, a brief guidebook] Kratkii putevoditel'. Sostavitel' A. R. Zvinglianich. Kiev, Gos. izd-vo izobrazitel'nogo iskusstva i muzykal'noi lit-ry USSR, 1962. [47] p. (chiefly illus.) (CSI-H)

LENINAKAN REGION—ERYSIPELOID

Diagnosis, epidemiology and natural foci of erysipeloid infection. O. V. Ovasapian, V. O. Galoian. Zhur. eksp. i klin. med. 3 no. 1 99-104 '63.

LENINGRAD—ART, BULGARIAN

Leningrad, Ermitazh. [Art of Bulgaria from ancient times to the present, an exhibition] Iskusstvo Bolgarii, s drevnevshikh vremen do nashikh dnei; katalog vystavki. Leningrad, [1963]

LENINGRAD—ART GALLERIES AND MUSEUMS

Nikulina, N. I., and A. V. Pomarnatskii. Russian culture from the first quarter [illegible] tury] Vystavka po istorii russkoi kul'tury pervoi chetverti XIX veka. Leningrad, [illegible] 1969. 31 p.

Zaretskaia, Z. V., and N. K. Kovalenskaia. [illegible] ture from the 17th to the 20th centuries.] [illegible] skul'ptura XVII-XX vekov. Leningrad, Ermitazh, 1963. 183 p. [Text in [illegible]

Glinka, V. M., and A. V. Pomarnatskii. [illegible] the Winter Palace; on the anniversary of the War of 1812] Voennaia galereia Zimnego dvortsa; k iubileiu Otechestvennoi voiny 1812 g. [illegible] Izd-vo Gos. Ermitazha, 1963. 183 p. [Text in [illegible]

Pomarnatskii, A. V. [War of 1812 [illegible] galereia 1812 goda. Leningrad, [illegible] 1959. 29 p., illus.

LENINGRAD—BALLET

They obey the magic bow. [illegible] zhizn' 7 no. 8 36-37 '63.

LENINGRAD—BATHS, PUBLIC—[illegible]

Role of public councils in dermatological [illegible] ological outpatient service. M. I. Kantor. Vest. derm. i ven. 37 no. 1 71-[illegible]

LENINGRAD—BOOTS AND SHOES—[illegible]

Praised by customers. S. Gromenkov. [illegible] khud. promys. 4 no. 10 Ap '63.

LENINGRAD—CANCER—DIAGNOSIS

Organization of massive cytological [illegible] tive examinations by fluorescence [illegible] microscopy in the Nevskiy District [illegible] Svindler. Akush. i gin. no. 2 [illegible]

LENINGRAD—CHILDREN

Comparative anthropometrical data [illegible] opment of Leningrad children during [illegible] 1930, 1952/53, and 1959. N. M. Danilova [illegible] no. 13 100-109 '63.

LENINGRAD—CLOTHING INDUSTRY

Mel'nikov, E. E. [New developments in [illegible] tion of clothing production in the fashion [illegible] ministration of the Clothing Industry [illegible] City Executive Committee] Novoe v [illegible] shveinogo proizvodstva na fabrikakh [illegible] shveinoi promyshlennosti. Leningrad, [illegible] gramma lektsii. Leningrad, 1962. [illegible] skii dom nauchno-tekhnicheskoi propa[illegible] Shveinaia promyshlennost')

LENINGRAD—COMMUNIST PARTY OF [illegible] UNION—PARTY WORK

Grigor'ian, F. A. [According to the place [illegible] Po mestu zhitel'stva. [Leningrad] [illegible] 77 p. (Bibliotechka sekretaria partiinoi [illegible]

Bachurinskii, V. E. [Our Thursdays, [illegible] theoretical study group at a workshop of the "Elektrosila" Plant] Nashi chetverti, [illegible] tsekhovogo teoreticheskogo seminara na [illegible] sila" imeni S. M. Kirova. [Leningrad] [illegible] 1963. 38 p. (Iz opyta propagandy i agitatsii)

LENINGRAD—DIESEL ENGINES

Outrunning the time. A. Tikhonenko. [illegible] 20 Ag '63.

LENINGRAD—ELECTRIC EQUIPMENT INDUSTRY

The plant works rhythmically. M. Khar[illegible] no. 13 35-38 Jl '63.

LENINGRAD—EXHIBITIONS

There is a great interest in Polish exposi[illegible] china. Vnesh. torg. 43 no. 9 16-17 '63.

LENINGRAD—FIRES AND FIRE PREVENTION

From the history of fire prevention. I. [illegible] delo 9 no. 9 29 S '63.

LENINGRAD—FURNITURE INDUSTRY

Effectiveness of the production of furniture [illegible] family apartments. S. IA. Novikov, [illegible] Der. prom. 12 no. 4 16-17 Ap '63.

The LN-4-62 set of furniture. Der. prom. 12 [illegible] of cover Je '63.

LENINGRAD—FURNITURE INDUSTRY—[illegible] AND SUPPLIES

Ivanov, E. S., G. V. Morushkin, and S. A. [illegible] [Mechanization experiments at the Khalturin Factory] Opyt mekhanizatsii na mebel'noi fabrike Khalturina. Leningrad, 1963. 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. [illegible] vym opytom. Seriia: Peredovoi [illegible] myshlennost', no. 4)

LENINGRAD—GAS WELDING AND CUTTING

Khvastunov, N. G. [Using Leningrad city gas in cutting metals] Rezka metalla s primeneniem leningradskogo gorodskogo gaza Leningrad, 1963 20 p (Leningradskom nauchno-tekhnicheskoi propagandy Obmen peredovym opytom Serila Svarka, rezka i paika metallov, no 3)

LENINGRAD—HAIRDRESSING—COMPETITIONS

Hairdressers contest. T. Zaitseva. Mest. prom. i khud. promys. 4 no. 1,27-29 Ap '63.

LENINGRAD—HARBOR

First steps of the new party committee. G. Solov'ev. Rech. transp. 22 no. 9 6-7 S '63.

LENINGRAD—INDUSTRIES

[illegible]

Sost E I Zisel'son Pod red. S.I Tiul'panova i L A Shilova. [Leningrad] Izd-vo Leningr univ. Vol I 1963 (Its Vosstanovlenie i nachalo rekonstruktsii promyshlennosti Leningrada, 1921-1928 gg., dokumenty i materialy, no [1])

(MH)

LENINGRAD—LANDSCAPE GARDENING

At the station for the protection of ornamental and shade-trees. N. V. Balakina. Zashch. rast. ot vred. i bol. 8 no. 8:13-15 Ag '63.

LENINGRAD—MACHINERY INDUSTRY WORKERS

Relay of work valor. I. Leonov. Sots trud 8 no. 7:13-21 Jl '63.

LENINGRAD—MATHEMATICS—STUDY AND TEACHING

Teaching of mathematics in the University of Leningrad (Petersburg) in the 19th century. R. I. Gal'chenkova. Ist.-mat. issl. no. 14:355-362 '61.

LENINGRAD—MOTORBUS LINES—STATIONS

Motorbus station for interurban travel. IU Gol'denberg. Avt. transp 41 no. 5:15 My '63

LENINGRAD—NAUTICAL TRAINING SCHOOLS

In cooperation with industrial personnel. N. K Oganov, N. P. TSaitsorin. Vest. vys. shkoly 21 no. 9 67-69 S '63.

LENINGRAD—NUCLEAR COUNTERS

It has a measurement range from 0, 4 to 1, 000, 000 roentgens a minute. P. Kharadzha. Nauka i zhizn' 30 no. 9 24-25 S '63.

LENINGRAD—PALACES

Sukhotin, IA. L. [The Tauride Palace] Tavricheskii dvorets. [Leningrad] Lenizdat, 1963. 71 p.

LENINGRAD—PLANTS, PROTECTION OF

At the station for the protection of ornamental and shade-trees. N. V. Balakina. Zashch. rast. ot vred. i bol. 8 no. 8,13-15 Ag '63.

LENINGRAD—POSTAL SERVICE

With the help of the activists. A. S. Samsonov. Vest. sviazi 23 no. 9:31 S '63.

LENINGRAD—RAILROADS—EMPLOYEES

Titskii, N. P. [Green light for advanced practice] Peredovomu - zelenuiu ulitsu. [Leningrad] Lenizdat, 1962. 58 p. (Bibliotechka sekretaria partiinoi organizatsii)

LENINGRAD—SHIPBUILDING

Where the giants are born. Viktor Sakk. Smena 40 no. 16 2-5 Ag '63.

LENINGRAD—SIEGE, 1941-1944

[In the ring of fire; recollections by participants in the defense of Leningrad and the rout of the German fascist invaders near Leningrad] V ognennom kol'tse; vospominaniia uchastnikov oborony goroda Lenina i razgroma nemetsko-fashistskikh zakhvatchikov pod Leningradom. Moskva, Gospolitizdat, 1963. 212 p. (CSt-H)

LENINGRAD—SKIN—DISEASES

Role of public councils in dermatological and venereological outpatient service. M. I. Karlin and others. Vest. derm. i ven. 37 no. 1:74-76 Ja '63.

LENINGRAD—SOCIAL SCIENCES—STUDY AND TEACHING

Work of a seminar on methods. A. M. Muravlev. Vest. vys. shkoly 21 no. 9,63-65 S '63.

LENINGRAD—SPORTS—ORGANIZATION AND ADMINISTRATION

Activities of the sports club at the State Optical Equipment Plant. A. S. Nikolaeva. Teor. i prak. fiz. kul't. 26 no. 8:44-46 Ag '63.

LENINGRAD—SPECTRUM ANALYSIS

Leningradskii dom nauchno-tekhnicheskoi propagandy. [Spectrum analysis in Leningrad industries; from the experience of some spectral laboratories] Spektral'nyi analiz v Leningradskoi promyshlennosti; iz opyta raboty nekotorykh spektral'nykh laboratorii. Leningrad, 1963. 52 p.

LENINGRAD—TECHNOLOGICAL INNOVATIONS

Suggestions of the Leningrad Innovator Council. A. G. Pavlov Mashinostroitel' no. 9 25-26 S '63

LENINGRAD—TOURISTS, FOREIGN

Visitors come to us. S. Nikitin. Kul't. i zhizn' 7 no. 2: 10-11 '63

LENINGRAD—VENEREAL DISEASES

Role of public councils in dermatological and venereological outpatient service. M. I. Karlin and others. Vest. derm. i ven. 37 no. 1:74-76 Ja '63

LENINGRAD PROVINCE—FEEDS

Dorozdov, I. P. [Growing peas for cattle feeding] Vyrashchivanie gorokha na korm skotu [Leningrad] Lenizdat, 1963 39 p (DNAL)

LENINGRAD PROVINCE—PLASTICS INDUSTRY

Production, processing and use of plastics in the industry of the Leningrad Economic Council. V. M. Shannikov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform 16 no. 8:76-77 '63

LENINGRAD PROVINCE—POPLAR

Growing poplars in the forest zone. P. L. Bogdanov. Les. khoz. 16 no. 7:58-60 Jl '63.

LENINGRAD PROVINCE—PUNCHED CARD SYSTEMS

Kardanov, A. N. [Present state of, and ways to improve the utilization level of an operating punched-card machine center in the Leningrad Economic Council] Sostoianie i puti povysheniia urovnia ispol'zovaniia deistvuiushchego parka schetno-perforatsionnykh mashin v Lensovnarkhoze, stenogramma doklada na Vsesoiuznom soveshanii po mekhanizatsii i avtomatizatsii inzhenernogo i upravlencheskogo truda v promyshlennosti i stroitel'stve. Leningrad, 1963, 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serila' Mekhanizatsiia inzhenernogo i upravlencheskogo truda)

LENINGRAD PROVINCE—SUGAR BEETS

[Sugar beets; practices in growing sugar beets in Leningrad Province] Sakharnaia svekla. Opyt vozdelyvaniia sakharnoi svokly v Leningradskoi oblasti. [Leningrad] Lenizdat, 1963 113 p. (DNAL)

LENINOGORSK—INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

Poor organization and management at every step. S. Alolnikov. Nar. khoz. Kazakh 21 no. 4:34-36 Ap '63.

LENINSK DISTRICT (ANDIZHAN PROVINCE)—COTTON GROWING—HYGIENIC ASPECTS

Those who love people. N. Sergeeva. Sov. Kras. krest 13 no. 2 13 Mr-Ap '63.

LENINSK DISTRICT (ANDIZHAN PROVINCE)—HEALTH EDUCATION

Those who love people. N. Sergeeva. Sov. Kras. krest 13 no. 2 13 Mr-Ap '63.

LENSES, PHOTOGRAPHIC

Homemade telephoto lens. D. Starodub. Znan. ta pratsia no. 3:37 Mr '63.

LEOTIA see subdivision under Kedrovaya Pad' Preserve

LEPTOSPIRA

Materials on the classification of pathogenic leptospira in the U. S. S. R. [with summary in English]. V V Anan'in. V. S. Kintenko. Zhur mikrobiol., epid. i immun. 40 no. 1:28-32 '63.

LERMONTOV, MIKHAIL IUR'EVICH, 1814-1841

The Sixth All-Union Conference devoted to M. IU. Lermontov. N. V. Kovtoniuk, T. N. Tretiachenko. Rad. lit. no. 5:155 S-O '63.

LESNOY ISLAND—LIGHTHOUSES

Light in the night. IA. Riumkin. Ogonek 41 no. 41:6-7 O '63.

LESOZAVODSK REGION—PICRITE

Kimberlitelike picrites in the Lesozavodsk region [with summary in English]. G. M. Gapeeva. Geol. i geofiz. no. 4 53-63 '63.

LETICHEV DISTRICT—PAYMENT

For a wider introduction of consolidated payments. S. Fleisher. Den. i kred. 21 no. 10:57 O '63.

LETICHEV DISTRICT—PRODUCE TRADE

For a wider introduction of consolidated payments. S. Fleisher. Den. i kred. 21 no. 10:57 O '63.

LEUCINE

Complex compounds of bivalent platinum with leucine. L. M. Volshtein, L. S. Anokhova. Zhur. neorg. khim. 8 no. 9:2063-2068 S '63.

LEUCOCYTES

Nonspecific role of internal inhibition in the change of leucocyte reactions to different stimuli [with summary in English]. V V. Suchkov. Pat. fiziol i eksp terap 7 no 2 54-57 Mr-Ap '63

LEUCOCYTES—MOTILITY

Change of the motility of leucocytes during radiotherapy [with summary in English]. A. V. Kovalenko. Med rad. 7 no. 12:38-10 D '62.

LEUCOPENIA

Change in the leucocyte count of the blood following a total prolonged alimentary starvation and subsequent feeding in man [with summary in English] IU L Shapiro Pat fiziol i eksp terap 7 no. 1 30-11 Ja-F '63

LEUCOPHANITE

Dimensional leucophane group. K. K. Abrashev. Trudy Min. muz no. 14:200 '63.

LEUKEMIA

Characteristics of the state of the cardiovascular system in patients with leukemia [with summary in English]. N. I. Petukhova. Terap. arkh. 35 no. 2 93-99 F '63.

Possibility of the transformation of hypoplastic anemia into leukemia [with summary in English]. F. E. Fainshtein, N. S. Rozanova. Terap. arkh. 35 no. 2:86-92 F '63.

LEVEL (SURVEYING INSTRUMENT)

Homemade leveling instrument. V. Volokh. Shkola i proizv. 7 no. 9,68 S '63.

LEVEL INDICATORS

Magnetic mercury relay for regulating the supply of loose materials and fluids. V. S. Segal, M. P. Riauzov. Avt. dor. 26 no. 9:28-29 S '63.

Pneumatic and electric level indicator for loose materials. L. I. Levontin, IU. M. Bukl. Mekh. i avtom. proizv. 17 no. 8:44-45 Ag '63.

LEVELING

Accuracy of trigonometric leveling in a flat, broken, forest area. M. A Blumin. Geod. i kart. no. 9 8-12 S '63.

Letter to the editor. IU. P. Andreev. Geod. i kart. no. 9: 15-46 S '63.

New methods of leveling. S. I. Simonin. Avt. dor. 26 no. 9 26 S '63.

Practice of transfering altitude across a formidable water obstacle by trigonometric leveling. D. I. Maslich. Geod. i kart. no. 9:12-17 S '63.

LEVELLERS

The E-4010 multipurpose leveler with a telescopic boom. IU. G. Manuilov. Mekh. stroi. 20 no. 9.29-30 S '63.

LEVITAN, ISAAK IL'ICH, 1860-1900

Levitan, I. L. [Sketches and aquarelles] Levitan; risunok, akvarel', Tekst A. A. Fedorova-Davydova Moskva, Izd-vo Akad khudozhestv SSSR, 1963. 23 p

LEVOMYCETIN

Aplastic anemia developing following the intake of syntomycin and levomycetin. N. IA. El'kis. Vrach. delo no. 7.131-132 Jl '63.

LEVYTS'KYI, IVAN, 1837-1918

"The Kaidashev family," a tale by I. S. Nechui-Levyts'kyi. V. O. Vlasenko. Rad. lit. 7 no. 5:107-113 S-O '63.

LIABILITY (LAW)

Answering our readers' questions. Sov. iust. no. 16:28-30 Ag '63.

Liability for injuries sustained while protecting socialist property. P. Sedugin. Sov. iust. no. 17:3-5 S '63.

Liability for loss caused by the embezzlement and pilfering of socialist property. F. Fedorov. Sov. iust. no. 16.6-7 Ag '63.

LIABILITY FOR ANIMALS

Liability for loss caused to field crops by farm animals. IU. Bel. Rad. pravo no. 3:123 My-Je '63.

LIABILITY FOR MARINE ACCIDENTS

Two ways to limit the liability of the owner of seagoing vessels. K. F. Egorov. Inform. sbor. TSNIIMF no. 49. Mor. pravo i prak. no. 9:19-22 '60.

LIBEL AND SLANDER

How our laws protect the good name and reputation of Soviet workers. M. Baru. Rad. pravo no. 3:14-18 My-Je '63.

LIBERIA—ECONOMIC CONDITIONS

Egorov, V. V. [Liberia after the Second World War, 1945-1962] Liberiia posle Vtoroi Mirovoi voiny, 1945-1962 gg. Moskva, Izd-vo IMO, 1963. 165 p.

LIBERIA—FOREIGN RELATIONS

Egorov, V. V. [Liberia after the Second World War, 1945-1962] Liberiia posle Vtoroi Mirovoi voiny; 1945-1962 gg. Moskva, Izd-vo IMO, 1963. 165 p.

LIBRARY AND READERS

LIBRARY CONCERTS

LIBRARY SCIENCE—BIBLIOGRAPHY see Bibliography—Library science

LIBRARY PLANTS

LICHENS

LIE ALGEBRAS

LIFE—ORIGIN

LIGAMENTS—WOUNDS AND INJURIES

LIGHT

LIGHT—PHYSIOLOGICAL EFFECT

LIGHT—SCATTERING

LIGHT—TRANSMISSION

LIGHT (SCATTERING)

LIGHTHOUSES see subdivision under Lesnoy Island

LIGHTING

LIGHTNING

LIGHTWEIGHT CONCRETE

Armenian S S.R. Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for manufacturing elements from lightweight concrete using natural porous aggregates] Instruktsiia po izgotovleniiu izdelii iz legkikh betonov na estestvennykh poristykh zapolnitelliakh. Moskva, Gosstroiizdat, 1963. 86 p.

Large elements of cellular concrete for enclosing industrial buildings. V. R. Mikhalko, V. S. Pinskii. Prom. stroi. 40 [i.e. 41] no. 7 22-24 Jl '63.

Grigor'ev, V. S. [Technology of manufacturing porous slag fillers for lightweight concrete] Tekhnologiia proizvodstva poristykh shlakovykh zapolnitelei dlia legkikh betonov. Kiev, Gosstroiizdat USSR, 1963. 143 p.

LIGNIN

Manufacture of strong briquets from the lignin of cotton hulls. M. G. Bulynko, O. V. TSephaev. Gidroliz. i lesokhim. prom. 16 no. 6 12-13 '63.

LIGNIN—DRYING

Dryer for cellolignin obtained from corncobs. A. K. Naidenov, E. E. Shnaider, M. E. Shpuntova. Gidroliz. i lesokhim. prom. 16 no. 6 7-10 '63.

LIME

Kinetics of the hydration of lime in sand-lime mixtures. P. P. Budnikov, P. M. Zil'berfarb. Stroi. mat. 9 no. 9 36-37 S '63.

Mechanized feeding of lime water. N. V. Protas. Mekh. stroi. 20 no. 10 17 O '63.

Spray disintegrator for processing lime suspended matter. Z. A. Denisenkin, V. S. Kabanov. Mekh. stroi. 20 no. 10 18 O '63.

LIMEKILNS

Automatic skip lifting. S. V. Radilov, S. M. Poprugo. Mekh. i avtom. proizv. 17 no. 8:11-13 Ag '63.

LIMESTONE—RADIOACTIVE PROPERTIES see subdivision under Karabi-Yayly Mountain

LIMING OF SOILS
(see also subdivision under Ukraine)

Effect and aftereffect of various amounts of lime on changes in the properties of soil, yield, and quality of farm plants [with summary in English]. N. S. Avdonin, V. I. Steshkina. Pochvovedenie no. 9 1-7 Agli. e. S) '63.

LIMITATION OF ACTIONS

Limitation of actions in the proposed code of maritime law. Inform. sbor. TSNIIMF no. 40. Mor. pravo i prak. no. 9 45-50 '60.

Some problems of limitation of actions. V. Ovsiienko. Rad. pravo no. 3:100-106 My-Je '64.

LINDEN

Comparative characteristics of seed reproduction of small-leaved linden (Tilia cordata Mill.) under different ecologic conditions. M. S. Dvorakovskii, M. D. Alfukhov. Vest. Mosk. un. Ser. 6, Biol., pochv. 18 no. 5:35-47 S-O '63.

LINEAR DIFFERENTIAL EQUATIONS see Differential equations, Linear

LINEAR EQUATIONS

Comments on S. V. Falkovich's article "Theory of quasi-linear equations." V. O. Geogdzhaev. Inzh. zhur. 3 no. 1 194-196 '63.

Existence of positive solutions to systems of linear equations. IU. I. Merzliakov. Usp. mat. nauk 18 no. 3: 179-186 My-Je '63.

LINEAR PROGRAMMING

Karpelevich, F. I., and L. E. Sadovskii. [Elements of linear algebra and linear programming] Elementy lineinoi algebry i lineinogo programmirovaniia. Moskva, Fizmatgiz, 1963. 274 p. (Zibrannye glavy vyssheĭ matematiki dlia inzhenerov i studentov vtuzov)

Istomin, L. I., A. K. Shubnikov, and V. M. Popov. [Linear programming in the planning of the fuel and electric-power supply for railroad transportation] Lineinoe programmirovanie v planirovanii toplivo- i energosnabzheniia zheleznodorozhnogo transporta. Moskva, Transzheldorizdat, 1963. 178 p.

A linear programming problem arising in differential equations. L. R. Volevich. Usp. mat. nauk 18 no. 3: 155-162 My-Je '63.

Optimum cutting of materials. G. P. Ispirian. Izv. vys. ucheb. zav., tekh. leg. prom. no. 4:3-12 '63.

Search for the best. Georgii Ostroumov. Nauka i zhizn' 30 no. 9 12-15 S '63.

Using methods of linear programming in planning the charging of steel smelting furnaces. B. B. Rozin, L. M. Puchkov, V. P. Pervakov. Stal' 23 no. 9:845-847 S '63.

LINOLEUM—WELDING

Experimental welding of thermoplastic linoleum floor coverings. N. S. Petrov. Mekh. stroi. 20 no. 10:10-11 O '63.

LIPA (DUBNO DISTRICT) —STONE AGE

Lipa No. 6, a multilayer paleolithic site. V. P. Savych. Mat. i dosl. z arkheol. Prikarp. i Vol. no. 4:19-27 '62.

LIPETSK—POLITICS AND GOVERNMENT

LIPID METABOLISM

Changes in nonspecific esterase activity of blood in experimental disorders of lipid metabolism [with summary in English]. P. L. Lelyuk. Pat. fiziol. i eksp. terap. no. 3 50-54 My-Je '64.

Disorders in fat metabolism in patients with acute myocardial infarct [with summary in English]. [illegible]. Vrach. delo no. 7,34-37 Jl '64.

Effect of prolonged use of easily absorbed carbohydrates (sugar) on the level of blood lipids in [illegible] [with summary in English]. A. M. [illegible]. arkh. 35 no. 2 66-70 F '64.

LIPIDS

Comparative study of lipids and lipoproteins of the serum in lipoid nephrotic syndrome. A. A. Zhukova. Terap. arkh. 35 no. [illegible]

LIPOCHONDRODYSTROPHY

Diagnosis of osteochondrodystrophy. [illegible] N. I. Pannykin, V. M. Markov. Pediatriia [illegible] 75 Ja '64.

LIPOPROTEINS

Comparative study of lipids and lipoproteins of the serum in lipoid nephrotic syndrome. A. A. Zhukova. Terap. arkh. 35 no. [illegible]

LIPSKII, VLADIMIR IPPOLITOVICH, [illegible]

Vladimir Ippolitovich Lipskii; the centenary of [illegible]. I. T. Vasil'chenko. Bot. zhur. 48 no. [illegible] '63.

LIQUEFIED PETROLEUM GAS see subdivision under Great Britain

LIQUEFIED PETROLEUM GAS—STORAGE

Institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti. [Isothermal storage of liquefied gases] Izotermicheskoe khranenie szhizhennykh gazov. Moskva, [illegible] (Tematicheskii nauchno-tekhnicheskii [illegible] Gazobenzinovoe proizvodstvo) [Liquefied petroleum gases and liquefied gases] Szhizhennye [illegible] i szhizhennogo gazov)

LIQUID FERTILIZERS AND MANURES

Regulating the rates of the distribution of liquid [illegible] IA. Ozola. Tekh. v sel'khoz. 23 no. 2:17-18 F [illegible]

LIQUID LEVEL INDICATORS

Alarm water level indicator for steam boilers. [illegible] Sukhenko. Spirt. prom. 29 no. 6:11 '63.

Automatic oil-recovery measuring devices. [illegible] P. I. Kalmykov. Azerb. neft. khoz. [illegible] '63.

Measuring the consumption of petroleum [illegible] waters. I. Kh. Levinbuk. Neftepromysl. [illegible] 22-24 '64.

Use of the piezometric method for level [illegible] yeast growing tank. A. S. Medovnikov. [illegible] khim. prom. 16 no. 6:28 '63.

LIQUID METALS

The surface tension of melts. O. K. Sokolov. [illegible] SSSR, Otd. tekh. nauk, Met. i gor. delo no. [illegible] '63.

LIQUID METALS—ELECTRIC PROPERTIES

Dependence of the electric resistance of liquid [illegible] on the specific volume. A. N. Solov'ev. [illegible] temp. 1 no. 1:45-49 Jl-Ag '63.

LIQUIDS

Free energies of intermolecular reactions [illegible] V. P. Tret'iakov, E. S. Rudakov. Izv. Sib. Ak. [illegible] Ser. khim. nauk no. 2:67-73 '63.

Kinetics of the thinning and rupture of thin films [illegible] [with summary in English]. A. Shchukin, [illegible] D. Platikanov. Koll. zhur. 25 no. 5:[illegible]

LIQUOR INDUSTRY
(see also subdivision under Rumania)

First Soviet Liqueur and Vodka Firm. N. I. [illegible] R. S. Kaminskii. Spirt. prom. 29 no. 6:43 '63.

Revision of production flow sheets and types of [illegible] for the enterprises of the alcohol, liqueur and [illegible] industry. Spirt. prom. 28 no. 6:1-4 '62.

LIQUOR INDUSTRY—EQUIPMENT AND SUPPLIES

Expand the mechanization and automation of [illegible] suming processes. IA. D. Faershtern. Spirt. prom. 26 no. 6:45 '62.

LISICHANSK—FERTILIZER INDUSTRY—LABOR PRODUCTIVITY

Persistence, creative approach. V. Ogolo, V. [illegible] Agitator no. 20:36-39 O '63.

LISTVENITE see subdivision under Forgana

LITERARY MUSEUMS see subdivision under Moscow

LITERARY RESEARCH see subdivision under Kherson, Kiev; Lvov, Ukraine

LITERARY SOCIETIES see subdivision under Bryansk Province

LITERARY STYLE see Style, Literary

LITERATURE—BIBLIOGRAPHY see Bibliography—Literature

LITERATURE—HISTORY AND CRITICISM

Artist, realism, time; M. Gor'kii and some problems of modern literature. V. Shcherbina. Vop. lit. 7 no. 9:3-22 S '63.

For high ideals of literature and art. Vest. Mosk. un. Ser. 7: Filol., zhur. 18 no. 4:10-21 Jl-Ag '63.

Bagban, M. P. [People, books, and dates; articles about literature] Liudy, knihy, daty, statti po literaturu. Kyiv, Radians'kyi pys'mennyk, 1962. 236 p. (CaOTU)

Sources of modern abstractionism; in painting and literature. B. V. Mikhailovskii. Vest. Mosk. un. Ser. 7: Filol., zhur. 18 no. 1:22-40 Jl-Ag '63.

Gira, Liudas. [Works in five volumes] Rastai Penki tomai. Vilnius, Valstybine grozines literaturos leidykla [In Lithuanian]

Vol. 4. [General problems of literature. Writers Books. Foreign literature, writers] Bendrieji literaturos klausimai Rasytojai Knygos Kitu tautu literatura, rasytojai. 1962. 550 p.

LITERATURE—HISTORY AND CRITICISM—THEORY, ETC

"Modern historical poetics." G. Pospelov. Vop. lit. 7 no. 9:61-71 S '63.

Structure of the image. N. Dmitrieva. Vop. lit. 7 no. 9: 71-77 S '63.

LITERATURE—PHILOSOPHY

Correlation of ideology and creative work. A. B. Kogan. Nauch. zap. Zapor. gos. ped. inst. 7:142-174 '54.

When men are supplanted by symbols. Z. IA. Libman. Rad. lit. 7 no. 5:114-126 S-O '63.

LITERATURE—STUDY AND TEACHING

Academic profundity, independence, skill, review of letters sent to the editor. Vop. lit. 7 no. 8:166-171 Ag '63.

For a realistic approach. A. Tatulko. Vop. lit. 7 no. 8:160-163 Ag '63.

Literature and the education of the new man. N. Gulisev. Vop. lit. 7 no. 8:155-160 Ag '63

Teach creativity. V. Baranov. Vop. lit. 7 no. 8:164-166 Ag '63.

Whom are we preparing? A. Chanyshev. Vop. lit. 7 no. 8, 163-164 Ag '63.

LITERATURE, COMPARATIVE

Interaction of literatures and the literary process. V. Kuleshov. Vop. lit. 7 no. 8:141-154 Ag '63.

Akademiia nauk SSSR. Institut mirovoi literatury. [Literature and the new man] Literatura i novyi chelovek. Moskva, Izd-vo Akad. nauk 1963. 429 p.

Work which must be continued. D. Likhachev. Vop. lit. 7 no. 9:54-61 S '63.

LITERATURE, COMPARATIVE—BULGARIAN AND RUSSIAN

"Literaturna misl" discusses the problem of Bulgarian literary contacts with the Soviet Union H. M. Honcharuk. Rad. lit. 7 no. 3:95-98 My-Je '63

Soviet literature in Bulgaria. G. M. Popov. Rad. lit. 7 no. 3:140-142 My-Je '63.

LITERATURE, COMPARATIVE—LITHUANIAN AND RUSSIAN

Friendship of literatures. R. Pakalniškis. Vop. lit. 7 no. 8:187-192 Ag '63.

LITERATURE, COMPARATIVE—POLISH AND UKRAINIAN

Problems of Ukrainian literature discussed in the Polish periodicals and newspapers of the first half of the 19th century. R. F. Kyrchiv. Rad. lit. 7 no. 3:83-94 My-Je '63.

LITERATURE, COMPARATIVE—RUSSIAN AND UKRAINIAN

Krutikova, N. E. [Russian realism and the formation of Ukrainian realist prose] Russkii realizm i stanovlenie ukrainskoi realisticheskoi prozy. Kiev, Izd-vo Akad. nauk USSR, 1963. 62 p. (Doklady Sovetskoi delegatsii. V Mezhdunarodnyi s"ezd slavistov) [With summary in English]

LITERATURE, COMPARATIVE—SLAVIC AND UKRAINIAN

Contacts between Ukrainian and foreign Slavic literatures described the Ukrainian studies of 1958-1962; a bibliographical review. L. I. Gol'denberg. Rad. lit. 7 no. 4: 93-100 Jl-Ag '63.

LITERATURE AND MORALS

Discussing the humanity of the Soviet arts. IU. H. Fal'ko. Rad. lit. 7 no. 5:157-158 S-O '63.

LITHIUM CARBONATES

Solubility of lithium carbonate in solutions of lithium chloride and nitrate at 25°. V. E. Plyushchev, L. V. Kurtova. Zhur. neorg. khim. 8 no. 10:2381-2383 O '63.

LITHIUM CARBONATE—THERMAL PROPERTIES

Behavior of lithium carbonate during heating. N. N. Semenov, T. V. Zabolotskii. Izv. Sib. otd. AN SSSR no. 2 58-62 '62.

LITHIUM FLUORIDE

Phase equilibria in the system LiF - LaF_3. L. A. Khripin. Izv. SO AN SSSR no. 7, Ser. khim nauk no. 2 107-110 '63.

Spontaneous jumps of dislocations in LiF single crystals. V. B. Partiskii, A. I. Landau, V. M. Borzhkovskaia. Fiz. tver. tela 5 no. 9:2570-2575 S '63

LITHIUM FLUORIDE CRYSTALS

Recovery of internal friction following plastic deformation in LiF single crystals. A. A. Blistanov, A. V. Panov, M. P. Shaskol'skaia. Fiz. tver. tela 5 no. 9:2726-2728 S '63.

LITHIUM FLUORIDE CRYSTALS—THERMAL PROPERTIES

Mechanism underlying the formation of an anomalous distribution of residual stresses following heat treatment of single crystals. B. A. Reznikov. Fiz. tver. tela 5 no. 9:2526-2529 S '63.

LITHIUM HALIDES

Reciprocal system consisting of chlorides and bromides of lithium and silver. A. G. Bergman, A. S. Arabadzhan. Zhur. neorg. khim. 8 no. 9:2148-2150 S '63.

LITHIUM SULFATE

Complex formation in the system lithium sulfate - urea - water. K. Sulaimankulov, G. V. Naumova. Zhur. neorg. khim. 8 no. 9:2211-2213 S '63.

LITHUANIA—CAMPS

"Granitas," solution of all riddles. Valerija Gordeeva. Smena 40 no. 18 3-5 S '63.

LITHUANIA—CONSTRUCTION INDUSTRY

Maniushis, I. A. [Development of construction and its material and technological base in Lithuania] Razvitie stroitel'stva i ego material'no-tekhnicheskoi bazy v Litovskoi SSR. Vil'nius, Gospolitnauchizdat, 1963. 239 p.

LITHUANIA—DYNAMOMETER

Mechanic dynamometer MD-1. J. Ivaskevicienė, V. Zelezniakienė, Z. Gobikas. Teor. i prak. fiz. kul't. 26 no. 6:75 Ag '63.

LITHUANIA—ELECTION LAW

Lithuanian S. S. R. Laws, statutes, etc. [Statute on elections to district, city, township and settlement soviets of workers' deputies in the Lithuanian S. S. R. Approved by order of the Presidium of the Supreme Soviet of the Lithuanian S. S. R. on October 7, 1950, with amendments by the Presidium of the Supreme Soviet of the Lithuanian S. S. R. on December 20, 1954, December 28, 1956, January 22, 1959 and January 8, 1963] Rinkimu i Lietuvos TSR rajonu, miestu, apylinkiu ir gyvenvieciu Darbo zmoniu deputatu tarybas nuostatai. Patvirtinti Lietuvos TSR Aukscziausiosios Tarybos Prezidiumo 1950 m. spalio 7 d. Isaku su pakeitimais, padarytais Lietuvos TSR Aukscziausiosios Tarybos Prezidiumo 1954 m. gruodzio 20 d., 1956 m. gruodzio 29 d., 1959 m. sausio 22 d. ir 1963 m. sausio 8 d. Isakaia. Vilnius, Laikrasciu ir zurnalu leidykla, 1963. 29 p. [In Lithuanian]

Lithuanian S. S. R. Laws, statutes, etc. [Statute on elections to the Supreme Soviet of the Lithuanian S. S. R. Approved by the order of the Presidium of the Supreme Soviet of the Lithuanian S. S. R. on December 12, 1950, with amendments by the Presidium of the Supreme Soviet of the Lithuanian S. S. R. on December 20, 1954, January 22, 1959, December 22, 1962 and January 2, 1963] Rinkimu i Lietuvos TSR Aukscziausiaja Taryba nuostatai. Patvirtinta Lietuvos TSR Aukscziausiosios Tarybos Prezidiumo 1950 m. gruodzio 12 d. Isaku su pakeitimais, padarytais Lietuvos TSR Aukscziausiosios Tarybos Prezidiumo 1954 m. gruodzio 20 d., 1959 m. sausio 22 d., 1962 m. gruodzio 22 d. ir 1963 m. sausio 2 d. Isakais. Vilnius, Laikrasciu iz zurnalu leidykla, 1963. 30 p. [In Lithuanian]

LITHUANIA—FOREST MANAGEMENT

Results of the use of gradual and selective cuttings in Lithuania. L. Kairiukstis. Les. khoz. 16 no. 7:25-31 Jl '63.

Selective cuttings as an important factor in increasing the productivity of forests in Lithuania. A. Matulionis. Les. khoz. 16 no. 8:6-9 Ag '63.

LITHUANIA—INDUSTRIAL HYGIENE

In the struggle for industrial hygiene. Okhr. truda i sots. strakh. 6 no. 8:11-13 Ag '63.

LITHUANIA—MEDICINE, RURAL

In the struggle for industrial hygiene. Okhr. truda i sots. strakh. 6 no. 8:11-13 Ag '63.

LITHUANIA—MORAINES

Varieties of final moraines occurring in Lithuania. A. B. Basalikas. Trudy Kom. chetv. per. 21:99-112 '63.

LITHUANIA—PLANTS, PROTECTION OF

Guarantee for successful work. V. Slauta. Zashch. rast. ot vred. i bol. 8 no. 4:12 Ap '63.

LITHUANIA—VOCATIONAL EDUCATION

Training of workers for the new industries of Lithuania. A. Skardis. Prof.-tekh. obr. 20 no. 7 11-15 Jl '63.

LITHUANIA—WORLD WAR, 1939-1945—CAMPAIGNS

Heroes of one battle. V. Smirnov. Voen. vest. 43 no. 9 7-10 S '63.

LITHUANIAN LANGUAGE—SYNTAX

Balkevicius, Jonas [Syntax of the contemporary Lithuanian language] Dabartines lietuviu kalbos sintakse Vilnius, Valstybine politines ir mokslines literatoros leidykla, 1963 479 p. [In Lithuanian]

LIVER—ABSCESS

Problem of multiple liver abscesses in children. B. M. Ponizovskaia. Pediatriia 42 no. 1 78-79 Ja '63

LIVER—BIOPSY

Experimental use of biopsy. L. Telcharov, B. Kiutukchiev. Pat. fiziol. i eksp. terap. 7 no. 1 84-85 Ja-F '63

LIVER—CIRRHOSIS

Portal hypertension of hepatic origin combined with thrombosis in the portal vein system [with summary in English]. L. S. Matveeva, V. P. Gorbatenko. Vest. khir. i arkh. 36 no. 1 37-40 Ja-F '63.

Splenectomy in patients with liver cirrhosis. A. F. Kemarskaia. Vest. khir. 90 no. 3 110-111 Mr '63

LIVER—DISEASES

Diagnostic possibilities of pneumoperitoneum in the recognition of some diseases of the liver and gallbladder [with summary in English]. E. F. Tursov. Vest. khir. i arkh. 38 no. 1 47-51 Ja-F '63.

Effect of the spleen on the liver in some pathological states. L. I. Geller. Pat. fiziol. i eksp. terap. 7 no. 2 66-67 Mr-Ap '63.

Functional hyperbilirubinemia. IU. I. Dotsik. Vrach. delo no. 7:138-139 Jl '63.

So-called hepatocholecystic pancreatitis. N. IA. Mel'man, V. G. Kaplun. Vrach. delo no. 7, 140 Jl '63.

Use of splenin in the treatment of patients with chronic hepatitis and liver cirrhosis [with summary in English]. N. N. Apletova. Vrach. delo no. 9, 26-30 S '63.

LIVER—HYDATIDS

Resection of the liver in alveolar echinococcosis [with summary in English]. V. S. Karpunichev. Vest. khir. 90 no. 3 50-53 Mr '63

Results of surgical treatment in alveolar echinococcosis of the liver [with summary in English]. B. I. Al'perovich, IU. N. Gorodov. Vest. khir. 90 no. 3 46-50 Mr '63.

LIVER—SURGERY

Resection of the liver in alveolar echinococcosis [with summary in English] V. S. Karpunichev. Vest. khir. 90 no. 3 50-53 Mr '63.

Results of surgical treatment in alveolar echinococcosis of the liver [with summary in English]. B. I. Al'perovich, IU. N. Gorodov. Vest. khir. 90 no. 3 46-50 Mr '63

Technique of liver resection [with summary in English]. T. A. Grasmik. Vest. khir. 90 no. 3 41-46 Mr '63.

Use of the S-shaped suture and hepatic clamp in resection of the liver [with summary in English]. N. A. Telkov. Vest. khir. 90 no. 3, 54-58 Mr '63

LIVER FUNCTION TESTS

Functional state of the liver in some dermatoses following treatment with corticosteroid hormones. R. G. Gabitova. Vest. derm. i ven. 37 no. 2, 26-31 F '63.

Tissue protein metabolism and the functional capacity of the liver in patients with chronic myelosis [with summary in English] V. P. Protsenko. Vrach. delo no. 9:

[illegible]

[illegible]—EQUIPMENT AND SUPPLIES

[illegible]

[illegible]—SAFETY MEASURES

[illegible]

[illegible] NIKOLAI IVANOVICH, 1733-1856

[illegible]

[illegible]

[illegible]

LOCAL GOVERNMENT

[illegible]

LOCAL GOVERNMENT—PERIODICALS

[illegible]

LOCAL GOVERNMENT—STUDY AND TEACHING

[illegible]

LOCAL TRANSIT

Rukovodstvo po proektirovaniiu sooruzhenii gorodskogo transporta (Proiektirovanie mostov, tonnelei i puteproводov) [Guide for designing bridges, tunnels and underpasses for city transportation] Moskva, Transzheldorizdat.
Pt 18 [Railroads, bridges, tunnels] Zheleznye dorogi, mosty, tonneli
Sec 3 [Tunnels] Tonneli. 1954. 74 p.
Pt 19 [Automobile roads, city transportation] Avtomobil'nye dorogi, gorodskoi transport. 1954. 21 p.

LOCAL TRANSIT—ABSTRACTS

[Automobile and city transportation] Ref. zhur., Avt., 1 [illegible] no.10 O '63.

LOCARNO, CONFERENCE, 1925

[illegible]

LOCOMOTIVE WORKS see subdivision under Kolomna (Moscow Province)

LOCOMOTIVES

(see also subdivision under [illegible] Moscow Province)

[illegible] for transp. 45 no.5:54-57 My '63.

LOCUSTS see subdivision under Afghanistan

LOCUSTS—EXTERMINATION see subdivision under Azov, Sea region

LODEYNOYE POLE DISTRICT—MUSIC

Iakimovskii, A. A. [Rural amateur musical activities; from the experience of Lodeynoye Pole District, Leningrad Province] Sel'skaia kuzykal'naia samodeiatel'nost; iz opyta raboty v Lodeinopol'skom raione Leningradskoi oblasti. Leningrad, Muzgiz, 1963. 40 p.

LOESS

(see also subdivision under Caucasus, Northern)

Accumulation of loess material in the deposition process of terminal moraine (as exemplified in the Mozyr' Hills). V. K. Lukashev, V. M. Sologub. Dokl. AN BSSR 7 no.8:543-547 Ag '63.

Aeolian origin of loess. D. V. Nalivkin. Och. po ist. geol. znan. no.12:79-82 '63.

Formation of sulfate efflorescene on loess products under the effect of dampness. K. Sh. Shatemirov. Izv. AN Kir. SSR, Ser. est. i tekh. nauk 5 no.4:73-84 '63.

Significance of V. A. Obruchev's works on the genesis of loess. N. N. Karlov. Och. po ist. geol. znan. no.12:83-99 '63.

LOGIC

Gorskii, D. P. [Logic] Logika; uchebnoe posobie dlia pedagogicheskikh institutov. Izd. 2., ispr. Moskva, Uchpedgiz, 1963. 291 p.

LOGIC, SYMBOLIC AND MATHEMATICAL

Relationship between deducibility in intuitionistic propositional calculus and finite implicative structures. V. A. Lifshits. Dokl. AN SSSR 151 no.6:1293-1294 Ag '63.

Some aspects of the interference-free operation of functions of algebra of logic. A. V. Petrosian. Dokl. AN Arm. SSR 36 no.3:147-151 '63.

LOGICAL POSITIVISM

Neopositivism and the logic of historical science [with summary in English, p.221]. I. S. Kon. Vop. ist. 38 no.9:15-65 S '63.

LOGINOV, MIKHAIL OSIPOVICH,

Mikhail Osipovich Loginov. P. Oleshchuk. Nauka i rel. 4 no.5:49-51 My '63.

LOKTIONOV, ALEKSANDR DMITRIEVICH, 1893-1941

Army Commander A. D. Loktionov. D. Dobykin, V. Naumov. Voen. vest. zhur. 5 no.8:125-126 Ag '63.

LONGSHOREMEN

(see also subdivision under Il'ichevsk)

In the front rows of builders of communism. E. Fisher, M. Rozenshtrakh. Mor. flot 23 no.10:4-5 O '63.

Joy in working. A. Pozdnev. Rech. transp. 22 no.8:23 Ag '63.

LOOMS

Concerning A. V. Kuligin's textbook "Automatic AT-100-6M and AT-120-5 looms." A. A. Torshinin. Tekst. prom. 23 no.9:91-93 S '63.

Effect of the variable conditions of the loom operation on the speed of the shuttle. V. I. Kaplan. Tekst. prom. 23 no.9:58-61 S '63.

LOOMS—DESIGN AND CONSTRUCTION

Kokorev, V. A., and IU. V. Kurenkov. [Design dimensional series for looms] Konstruktivnye razmernye riady tkatskikh stankov. Moskva, TSentr. in-t nauchno-tekhn. informatsii po avtomatizatsii i mashinostroeniiu, 1963. 108 p. (Novye mashiny, oborudovanie i sredstva avtomatizatsii).

(MICROFILM)

New method for fastening the disks of the weaver's beam. A. F. Luk'ianchikov. Tekst. prom. 23 no.9:64-65 S '63.

LOSEV, IVAN PLATONOVICH, 1878-1963

In memory of Ivan Platonovich Losev. N. M. Zhavoronkov. Zhur. VKHO 8 no.4:475-478 '63.

LOUDSPEAKERS

Group-type radiators for sound reproduction. A. Dol'nik. V pom. radioliub. no.12:31-46 '62.

Loudspeaker built by amateurs based on the DEMSh-1 capsule. A. Zelichenko. V pom. radioliub. no.12:47-54 '62.

LOVE

Let's respect the feelings of youth. Konstantin Lapin. Semlia i shkola 18 no.9:11-12 S '63.

LOVOZERO TUNDRAS—BERYLLIUM

[illegible] characteristics of beryllium in underground waters of the intrusive alkali massif in the Lovozero Tundras. K. E. Pit'eva. Vest. Mosk. un. Ser. 4, Geol. 18 no.3:49-54 My-Je '63.

LOWER TUNGUSKA VALLEY—PYROXENES

Hydrothermal pyroxene from trap rocks of the Lower Tunguska Valley. V. I. Kudriashova. Trudy Min. muz. no.14:238-242 '63.

LOWER TUNGUSKA VALLEY—[illegible]

Hydrothermal pyroxene from trap rocks of the Lower Tunguska Valley. V. I. Kudriashova. Trudy Min. muz. no.14:238-242 '63.

LUBRICATION AND LUBRICANTS

(see also subdivision under Veh[illegible])

Classification of lubricating oils for [illegible] tion engines. I. F. Blagoveshch[illegible], A. V. Puchkov. Khim. i tekh. topl. i masel 8 no.7:[illegible] F '63.

Evaluating the condition of lubricants. Rech. transp. 22 no.8:[illegible] '63.

Industrial characteristics of thickened [illegible] do. Azerb. neft. khoz. [illegible] no.1:[illegible]

Investigating the cooling of pistons [illegible] button in the 2D100 diesel engine. [illegible] Semisazhenova, S. M. Zaitsev. [illegible] no.262:21-36 '63.

Production of synthetic lubricating oils [illegible] mono- and dicarboxylic acids [illegible] and others. Khim. i tekh. topl. i masel 8 no.7:[illegible] F '63.

Separation of lubricants absorbed [illegible]. Rech. transp. 22 no.9:30-31 [illegible]

LUBRICATION AND LUBRICANTS—ADDITIVES

Effect of the structure of hydrocarbons on their anticorrosion properties. Effect of sulfur containing additives. V. S. Denisov. [illegible] topl. i masel 8 no.7:[illegible] [illegible]

LUCHITSKII, IVAN VASIL'EVICH, 1[illegible]

Problems of rural communes in [illegible] works. P. I. Liaptin. Sov. ed. [illegible]

LUDLAMITE see subdivision under [illegible]

LUGANSK—DIESEL LOCOMOTIVES—[illegible] INNOVATIONS

Innovator, N. Minenko. Mashinostroitel' [illegible] '63.

LUGANSK PROVINCE—COAL MINES AND MINING

The Lugansk miners in the effort to [illegible] year plan ahead of schedule. N. [illegible] Ukr. no.5:87-90 S '63.

LUK'IANOVYCH, DENYS, 1873-

A coeval of our "great manor." Mykh. [illegible] Ukraina no.22:12 S '63.

LUMBER—DRYING

(see also subdivision under Ukraine)

Apparatus for observing the shrinkage [illegible] I. O. Lepashkil. Der. prom. 12 no.4:[illegible]

Automatic control of chamber drying of [illegible] Khaitonov, V. A. Raspopov. Der. prom. 20 O '63.

Biological drying of larch after felling. Les. prom. 40 no.3:19-20 Mr '63.

Conference on wood drying. Z. V. Ivanov. [illegible] 12 no.8:35-36 Je '63.

Perfect the technique, technology. An[illegible] wood drying. A. I. Semenov. Der. prom. [illegible] Je '63.

Remote control of the parameters of air [illegible] tums. A. A. Smirnov. Der. prom. [illegible]

Studying the effect of temperature and [illegible] indices of the rheological properties of [illegible] B. N. Ugolev, V. I. Pinenova. Der. prom. [illegible] 12 Je '63.

LUMBER—GRADING

Relay channel with two coding groups. A. [illegible] Les. prom. 41 no.6:23 Je '63.

LUMBER—STANDARDS

Improve the quality and increase the [illegible] able lumber. A. TSekhanovskii, M. [illegible] 11 no.7:27-28 Jl '63.

LUMBER—TRANSPORTATION

(see also subdivision under Ilimsk region; [illegible] A.S.S.R.; Carpathian Mountains; Gorno-Il'[illegible] Kama Valley; Kem' River; Kostroma Pro[illegible] Sverdlovsk; Ust'-Kil'muz)

Amphibious patrol unit for lumber floating. [illegible] Les. prom. 40 no.3:14-16 Mr '62.

Before lumber floating. A. M. Shavrov. Les. [illegible] no.3:3-6 Mr '62.

A book on the operation of logging trucks. Les. prom. 41 no.7:29-30 Jl '63.

Device for the utilization of tractors in [illegible] loading operations. I. M. Vasil'chenko, V. A. [illegible] skii. Les. khoz. 16 no.8:59-60 Ag '63.

Efficient use of barges for lumber transportation. [illegible] kovitskii. Rech. transp. 22 no.6:14-15 Ag '63.

Logging trucks or logging combines of the [illegible] Industry? N. I. Bazhenov. Mekh. i avtom. p[illegible] no.8:30-34 Ag '63.

Make better use of mechanisms. Les. prom. [illegible] 2-3 S '62.

LUMBER—TRANSPORTATION (Continued)

Mechanizing the unloading and bundling of lumber. V. N. Koloskov, V. V. Grechin, G. P. Bazunov. Les prom 40 no. 3;21-22 Mr '62.

New cab on a timber skidding tractor. E. I Gol'dman, A. A. Lyschenko, A. V. Muravlev. Les. prom. 41 no. 3 15-16 Ag '63.

New constructive solutions are indispensable. A. Aparovich, V. Martynkhin, A. Gritskevich. Les. prom. 41 no. 7;18-21 Jl '63.

New methods for loading lumber into ships with floating cranes. P. M Neratov Biul tekh -ekon inform, Gos nauch. -issl. inst. nauch i tekh. inform 16 no 8-58-60 '63.

Overall mechanization of a riparian log dump Sh Sh. Islamov. Les. prom. 40 no. 3;30-31 Mr '62

Semitrailer for lumber transportation. A. Livanov, A. Burlak. Avt. transp. 41 no. 9,41-12 S '63.

Science in the service of lumber floating. V. Kirevichev. Les. prom. 41 no. 6 20-22 Je '63.

Simplified cable crane for reserve stacking of full-length logs. A I. Pitt, P. D. Reinas, IA I. Chikov Les. prom. 41 no. 6 10-12 Je '63.

Standardize the engines of log transporting machines. A M. Gol'dberg. Les. prom. 41 no. 8,11 Ag '63.

Timber skidding tractor in lumber chuting. Z K. Mandych. Les. prom. 40 no. 3;20-21 Mr '62

Transportation of full-length logs by wide-gauge railroads. I. I. Solomotin. Les. prom. 41 no. 6,8-9 Je '63.

Unit for evening-up log butts. N. Egorshin, V. Egorov. Les. prom. 41 no. 8;14-15 Ag '63.

LUMBER CAMPS

Recent developments in planning settlements for lumbering enterprises. B. F Ivanov. Les. prom. 41 no. 7 22-24 Jl '63.

LUMBER TRADE

Foreign lumber trade of the U. S. S. R N. A. Lur'e. Les prom. 40 no. 3;25-26 Mr '62.

Urgent problems in sawmilling for export purposes. I. Poleka, P. Mokretsov, G. Kokarev. Les. prom. 41 no. 7 25-26 Jl '63.

LUMBER TRADE—TABLES AND READY RECKONERS

Algorithmic calculations for bucking full-length logs. V. S. Petrovskii. Les. prom. 41 no. 7;10-12 Jl '63.

LUMBERING
(see also subdivision under Guveripl' region; Perm Province; Tagil region; Tomsk Province; Vladimir Province)

Achievements of science in production. Les. prom. 41 no. 6 2 of cover Je '63.

Eliminate the loss of cones in logging operations. P. I. Voichal'. Les. khoz. 16 no. 3;63-64 Mr '63.

In the organizations of the Scientific and Technical Division. Les. prom. 41 no. 7;31-32 Jl '63.

Lushnikov, V. N. [Labor consumption in lumbering production] Trudoemkost' lesopoduktsii. Novosibirsk, [Izd-vo Sibirskogo otd-niia Akad nauk SSSR] 1963 181 p

Methods for calculating reserve resources of wood. B. A. Vasil'ev, V. I. TSindiuk. Les. prom. 41 no. 6; 9-10 Je '63.

Performance of the narrow-gauge construction and repair train. Kh. Kh. Siundukov. Put' i put. khoz. 7 no. 9;41-42 '63.

Possibilities of the development of lumbering in heavily forested areas. A. I. Akimov, N. V. Novosel'tsev. Les. prom. 41 no. 6,1-3 Je '63.

Preserving the young spruce growth in mechanized logging operations. N. A. Titov. Les. khoz. 16 no. 3;8-9 Mr '63.

Raise the level of ideological work. Les. prom. 41 no. 8;1-2 Ag '63.

Some problems in technological development and the tasks of engineers and technicians. F. D. Varaksin. Les. prom. 41 no. 7;1-2 Jl '63.

Tasks of engineers and technicians in the light of the decisions of the 22d Congress of the CPSU. Les. prom. 40 no. 3;1-2 Mr '62.

LUMBERING—CONGRESSES
(see also subdivision under Latvia)

Scientific and industrial conference in the Boyarka Forest Working Circle. V. I. Gusev, V. P. Golovashchenko. Les. khoz. 16 no. 3;93-94 Mr '63.

A scientific and technological conference at the Northern Scientific Research Institute of Industry. R. Tanashev. Les. prom. 41 no. 6;26 Je '63.

LUMBERING—ECONOMIC ASPECTS

Profits and prices in the lumbering industry. G. N. Lavrovskii. Les. prom. 41 no. 6;29-31 Je '63.

LUMBERING—EQUIPMENT AND SUPPLIES

Automatic meter for calculating the volume of round lumber. B. V. Serov, IA. S. Shekhter. Les. prom. 40 no. 9;12-15 S '62.

LUMBERING—LABOR PRODUCTIVITY see subdivision under Oboi Region

LUMBERING—MACHINERY
(see also subdivision under Azanka region; France; Karelia; Kirov Province, Perm Province, Vel'sk region, Yena region)

Analyzing the performance of the cutters of a rotary head during limbing. N. A. Shipilin. Trudy TSNIIME no 40;25-54 '62.

Automatic control at lower landings should operate successfully. Les. prom. 40 no. 9,3-4 S '62.

Automatic following of the trunk form by the working parts of limbing machines. M M. Diekhsler. Trudy TSNIIME no. 40;3-24 '62.

Vasil'ev, B. A., IU. S. Komarov, and B. I. Pavlov. [Automation of production processes in the lumbering industry] Avtomatizatsiia proizvodstvennykh protsessov v lesnoi promyshlennosti. Moskva, Goslesbumizdat, 1963. 184 p.

Care for mechanisms in forests. D. Diiuchenko, P. Ivanov. Les. prom. 11 no. 7 12-13 Jl '63.

Characteristics of calculations for the unloading of logs. S. I. Rakhmanov. Les. prom. 40 no. 8 7-10 S '62.

For advanced technology in logging and transporting operations. K. I. Voronitsyn. Les. prom. 41 no. 7 3-7 Jl '63.

Mass production of lumbering equipment. N V. Masetkin. Les. prom. 11 no. 8 2 of cover Ag '63.

Mechanizing the taking apart of bundles of tree trunks with crowns E. A. Shekalov. Trudy TSNIIME no. 40; 71-78 '62.

Motion-picture propaganda of lumbering machinery. I. Lositskaia, A. Bukarev. Les. prom. 41 no. 7 2 of cover, 21 Jl '63.

Repair of lumbering machinery. Les. prom. 40 no. 3; 16 Mr '62.

Some problems in limbing by rotary cutters. G. M. Vasil'ev. Trudy TSNIIME no. 40;55-70 '62.

LUMBERING—RESEARCH

Pay more attention to the scientific work of the institutions of higher education. V. I Mel'nikov. Les. prom. 41 no. 6;22-23 Je '63.

LUMBERING—SAFETY MEASURES

Vereskunov, V. K., and B. P. Nal'skii. [Safety measures and fire prevention in lumbering and lumber transporting operations] Tekhnika bezopasnosti i protivopozharnye meropriiatiia na lesozagotovitel'nykh i lesotransportnykh rabotakh Moskva, Gosgeoltekhizdat, 1962. 48 p (DNAL)

A useful reference book. B. N. Mozhaitsev. Les. prom. 11 no. 8 16 Ag '63.

LUMBERMEN

Work clothes for rafters. A. F. Pervov, V. F. Sukmanov. Les. prom. 41 no. 6,32 Je '63.

LUMBERYARDS see subdivision under Arkhangel

LUMINESCENCE

Age correlation of granitoids by thermoluminescence (with summary in English). V. B. Vasilenko, N. S. Vartanova. Geol. i geofiz. no. 7;117-31 '63.

International Symposium on Luminescence. N. Kristoffel. Izv. AN Est. SSR. Ser. fiz. -mat. i tekh. nauk 12 no. 2;220-'03.

Stepanov, B. I., and V. P. Gribkovskii. [Introduction to the theory of luminescence] Vvedenie v teoriiu liuminestsentsii. Minsk, Izd-vo Akad. nauk BSSR, 1963. 442 p. diagrs.
(NN)

Mechanism of the excitation of luminescence of cuprous oxide in the region of impurity absorption. IU. V. Vorob'ev, IU. I. Korkhanin. Opt. i spektr. 15 no. 3;389-393 S '03.

Dnepropetrovsk. Inzhenerno-stroitel'nyi institut. [Papers published by the Physics Department] Sbornik nauchnykh trudov kafedry fiziki. Dnepropetrovsk No. 7. 1960. 48 p.

LUMINESCENT SUBSTANCES

Cathodoluminescence of zinc sulfide and certain cathodoluminophors. V. L. Levshin and others Fiz. inst. 23;64-135 '63.

Luminescence method for determining the ac area. S. M. Tagiev. Za tekh. prog. 3 no. '63.

Some results of a study on the luminescence of ZnS-Cu, Cl films. IU. S. Blank, I. I IAtlinkh tela 5 no. 9;2688-2690 S '63.

LUMINOUS BACTERIA see Bacteria, Lumin

LUNACHARSKII, ANATOLII VASIL'EVICH, I

A. V. Lunacharskii on the poetry of Demian V. V. IEfimov. Rad. lit. 7 no. 5;127-131

LUNGS—ABSCESS

Tracheal bronchus in a patient with multiple of the right lung. I. A. Gontsov. Zdravookh no 2 59 Mr-Ap '63.

LUNGS—BLOOD SUPPLY

Method of "immobile" angiopulmography D. A Natradze, L. S Ovrutskii, E. S. Shafer. Zhur. eksp. i klin. med 3 no. 2;65-70 '63

Vascular and bronchial topography of the right lung A G Orlov. Grud khir 4 no 6 55-59 N-D '62.

LUNGS—CANCER

Case of sarcoma of the lungs. V V Metreveli, T. M. Chachava. Grud. khir 4 no 6 99-100 N-D '62.

Sarcoma of the lung and the pleura. E P. Erintseva, M R. Rokitskii Grud khir. 4 no. 6 94-98 N-D '62

Solitary plasmacytoma of the lung I. P Solov'eva, A. IA. Nezhlukto Grud khir 4 no. 6,92-94 N-D '62

LUNGS—COLLAPSE

Atelectasis of a lung following tonsillectomy. A. S. Shilovtseva. Zhur. ush., nos. i gorl. bol. 23 no. 4;82-83 Jl-Ag '63.

LUNGS—CYSTS

Case of anomalous development of the left lung R. P. Askerkhanov. Grud khir 4 no. 6;90-92 N-D '62

LUNGS—DISEASES

Decortication of the lung [with summary in English] K Karpinishan, Tr Bogdan, K Koman. Vest. khir. 90 no 3 30-35 Mr '63

Role of the cerebral cortex in the compensation of respiratory disorders due to pulmonary lesions. E. S. Matlian. Zhur. eksp. i klin. med. 3 no 1 45-55 '63.

LUNGS—DUST DISEASES

Electrocardiographic and roentgenological changes of the heart in silicosis and anthracosilicosis. A. I. Nesis, L. A. Kul'kina, F. G Enns. Izv. AN Kazakh. SSR. Ser. med. nauk no. 1;80-86 '63.

Functional state of the adrenal gland cortex in silicosis patients. S. A. Shapirova. Izv. AN Kazakh SSR. Ser. med. nauk no. 1;71-75 '63.

Metabolism in experimental silicosis. Report No. 1: Glutathione and ascorbic acid in experimental silicosis. Z. N. Kaipova. Izv. AN Kazakh. SSR. Ser med nauk no. 2;30-35 '63.

Preliminary results of treating silicosis and anthracosilicosis patients with corticosteroids. V. L. Dvoiin, IU P. Zinbrev, A I Nesis. Izv. AN Kazakh. SSR. Ser. med. nauk no. 2;36-41 '63

Upper respiratory tracts in silicosis A. I. Nesis, S T. Tusupbekov. Zdrav. Kazakh. 23 no. 2;40-43 '63.

LUNGS—RADIOGRAPHY

Rokhlin, D. G. [Pulmonary segments in the X-ray picture; topographical and anatomical, clinical, and expert data] Legochnye segmenty v rentgenovskom izobrazhenii, topografo-anatomicheskie, klinicheskie i ekspertnye dannye. Leningrad, Medgiz, 1963. 126 p. (Leningrad. Nauchno-issledovatel'skii institut ekspertizy trudosposobnosti i organizatsii truda invalidov. Trudy, no. 10)

Rokhlin, D. G. [Pulmonary segments in X-ray pictures; topografical anatomical, clinical and expertise data] Legochnye segmenty v rentgenovskom izobrazhenii; topografo-anatomicheskie, klinicheskie i ekspertnye dannye. Leningrad, Medgiz, 1963. 126 p.
(DNLM)

LUNGS—SURGERY

Case of anomalous development of the left lung R. P Askerkhanov. Grud. khir. 4 no 6 90-92 N-D '62.

Indications and contraindications for surgical treatment of bronchiectasis [with summary in English]. V. R Ermolaev Vest. khir 90 no. 3 19-24 Mr '63.

Middle lobectomy with wedge-shaped resection of the intermediate bronchus [with summary in English] A. P Kuz'michev, I A Maksimova. Vest. khir 90 no. 3' 24-30 Mr '63.

Re

LUPINE (Continued)

Effect of gibberellin on the annual and perennial alkaloid-free lupines [with summary in English] N. A. Marsuian, L. N. Polukhina. Izv. TSKHA no. 2 19-28 '63.

LUPINE—DISEASES AND PESTS

Disinfecting lupine seeds immediately after harvesting. A. I. Zolotarev. Zashch. rast. ot vred. i bol. 8 no. 8: 23-24 Ag '63.

LUPUS ERYTHEMATOSUS

Cardiovascular system in patients with systemic lupus erythematosus [with summary in English]. B. Z. Bron, M. P. Frishman. Vest. derm. i ven. 37 no. 1 19-22 Ja '63.

Casuistics of systemic lupus erythematosus. IA. A. Katsenelenbogen. Vrach. delo no. 7:148-149 Jl '63.

Role of trauma in the pathogenesis of lupus erythematosus I. I. Lelis. Vest. derm. i ven. 37 no. 1 15-18 Ja '63.

Treatment of lupus erythematosus with resochin and saluzide. N. V. Demenkova. Vest. derm. i ven. 37 no. 2 80-82 F '63.

LUZONITE see subdivision under Kadzharan Region

LVOV—ARMENIANS

Some features of Armenian contacts with the Ukrainians in Lvov from the 15th through the 18th century [in Armenian with summary in Russian]. IA. D. Issaevich. Ist.-filol. zhur. no. 2:101-114 '63

LVOV—ART GALLERIES AND MUSEUMS

Lvov. Derzhavnyi muzei ukrains'koho mystetstva. [The Lvov State Museum of Ukrainian Art, an album] L'vivs'kyi derzhavnyi muzei ukrains'koho mystetstva, [al'bom. Avtor peredmovy ta upordadnyk IA. I. Nanova'kyi. n. p.] Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR [1962] 105 p. [Text in Ukrainian, Russian, and English]

LVOV—BOOK COVERS

Folk ornament in the graphic decoration of books. Z. M. TSaryk. Mat. z etn. ta mystetstvoznav. no. 7/8:72-88 '62.

LVOV—COMMUNIST EDUCATION

Valuable initiative. V. Solov'ev. Agitator no. 20:58 O '63.

LVOV—HISTORICAL RESEARCH

A study group on the sources and special branches of history. P. I. Zakharchyshyna. Ukr. ist. zhur. 7 no. 4 157-158 Jl-Ag '63.

LVOV—HISTORY

Lvov. TSentral'nyi derzhavnyi istorichnyi arkhiv. [Social struggle in the city of Lvov from the 16th to the 18th century] Sotsial'na borot'ba v mistі L'vovi v XVI-XVIII st.; zbirnyk dokumentiv. Pid red. IA. P. Kisia. [L'viv] Vyd-vo L'vivs'koho univ., 1961. 441 p. (MIU)

LVOV—LITERARY RESEARCH

Literary research in Lvov University. V. H. Latanas'kyi. Rad. lit. 7 no. 4:156 Jl-Ag '63.

LVOV—PLYWOOD INDUSTRY

Continuous line of cooling and edging plywood. N. V. Sledinskii, V. N. Stepaniuk. Der. prom. 12 no. 4 24-25 Ap '63.

LVOV—SERVICE INDUSTRIES

Masters of good services. E. Tret'iakov. Mest. prom. i khud. promys. 4 no. 4:7-8 Ap '63.

LVOV PROVINCE—COWS—DISEASES AND PESTS

Surgical treatment of sterile cows. V. S. Reshetniak, S. I. Lebedev. Veterinariia 39 no. 11:59-60 N '62.

LVOV PROVINCE—STERILITY IN ANIMALS

Surgical treatment of sterile cows. V. S. Reshetniak, S. I. Lebedev. Veterinariia 39 no. 11:59-60 N '62.

LVOV PROVINCE—STRONTIANITE

Strontianite from [illegible] sic limestones of Lvov [English]. M. B. Ripun, [illegible] '63.

Effect of A. P. Polosukhin's antishock fluid on lymph circulation and venous pressure prior to and during shock. B. D. Kornilova. Izv. AN Kazakh. SSR Ser. med. nauk no. 1:3-6 '63.

Mechanism of changes in the lymph circulation induced by stimulation of the mechanoreceptors of organs of the gastrointestinal tract. R. S. Vasil'chenko and others. Izv. AN Kazakh. SSR Ser. med. nauk no. 2 3-12 '63

Method of study of the lymph circulation. Zh. B. Nil'dibaeva. Izv. AN Kazakh. SSR Ser. med. nauk no. 2 13-16 '63.

LYMPHATICS—DISEASES

Lymphadenosis in swine. M. A. Shneider. Veterinariia 39 no. 2:54-55 S '62.

Pathogenesis of cystic lymphadenopathy in rats caused by Rous sarcoma virus. Report No. 1. V. S. Shapiro, G. D. Morgunova. Vop. virus. 8 no. 3 345-348 My-Je '63.

LYMPHATICS—TUBERCULOSIS

Disorders of nitrogen metabolism in children with pulmonary and lymphatic node tuberculosis [with summary in English]. E. F. Shamrai, G. Ri. Dudchik. Vrach. delo no. 9 40-44 S '63

LYMPHATICS—TUMORS

Comparative data on cytological and histological studies of tumors and tumorlike formations of the lymphatic nodes. G. A. Arzumanian, Sh. A. Papazian. Zhur. eksp. i klin. med. 3 no. 1 25-36 '63.

LYSIMETER

Penetration of nitrogen into soil with precipitation and its removal from the soil with lysimeter water. M. A. Bobritskaia. Pochvovedenie no. 8:21-30 Ag. (i.e. S) '63.

LYSINE

Metabolism of C14 labeled lysine in calcified tissues during acute radiation sickness. A. A. Prokhonchukov. Pat. fiziol. i eksp. terap. 7 no. 1 81-83 Ja-F '63

LYUBERTSY—TUNNELING

Driving the Lyubertsy Station ventilation tunnel, aerated by a PShch-3, 7 shield. IU. I. Sviatskii. Shakht. stroi. 7 no. 7 28-29 Jl '63

MACARONI

(see also subdivision under Irkutsk, Italy)

Seminar of the workers of the macaroni industry. Khleb. i khud. prom. 7 no. 6:45-46 Je '63.

MACEDONIA—CHURCH LANDS

History of the landed property of churches and monasteries in Serbia, Macedonia, and Zeta in the second half of the 14th century. E. P. Naumov. Sred. vek no. 24:134-148 '63.

MACHINE ACCOUNTING

(see also subdivision under Bashkiria, Kazakhstan)

Calculating percentages on the "Optimatik" machine. L. Kodrian. Den. i kred. 21 no. 9:72-73 S '63.

Conference-seminar of the chief accountants of State Bank branches. Den. i kred. 21 no. 9:62-68 S '63.

Kokhman, V. E. [Analysis of the utilization of equipment based on automatic accounting data] Analiz ispol'zovaniia oborudovaniia na osnove dannykh avtomatizirovannogo ucheta; stenogramma doklada na Vserossiiskom soveshchanii po mekhanizatsii i avtomatizatsii inzhenernogo i upravlencheskogo truda v promyshlennosti i stroitel'stve. Leningrad, 1963. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serila: Mekhanizatsiia inzhenernogo i upravlencheskogo truda)

We are simplifying the preparation of branch schedules. V. Kashchenko. Den. i kred. 21 no. 9:70-72 S '63.

MACHINE MOLDING (FOUNDING)

Improving the molding process on punch-auger machines. I. E. Kopeliian, L. A. Semenov, A. N. Smoliakov. Lit. proizv. no. 8 12-13 Ag '63.

Operation of jolt molding machines with air distribution valves. L. A. Izrailevich. Lit. proizv. no. 8, 8-12 Ag '63.

patterns for machine molding. A. S. Zhu-chuk, B. T. Buchurin. Lit. proizv. no. 8:

ICE

book for the mechanical engineer achine shop] Kratkii spravochnik telia i mastera mekhanicheskikh zanskoe knizhnoe izd-vo, 1963

inery plant (to be concluded) zech]. B. Dobrovolnyi. Mashino-g '63.

ine shop [translated from the]" no. 9:36-40 S '63.

GEMENT see subdivision under

'Y

der Budapest; Odessa; Ryazan)

id sale of spare parts. G. Shif-ita. Plan. khoz. 40 no. 10:50-

MACHINE TOOL INDUSTRY—ACCOUNTING see subdivision under Moscow

MACHINE TOOL INDUSTRY—MANAGEMENT see subdivision under Moscow

MACHINE TOOLS

(see also subdivision under Budapest)

Automatic line for machining cylinder blocks. B. I. skii, S. Svidetskii. Trudy Stud. nauch. ob-va LIS' no. 3:97-101 '59.

Automatic lines for machining rods of telescopic absorbers. V. F. Ponomarev. Biul. tekh.-ekon. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:14-16 '63.

Automatic machine for removing burrs in pipes. Zlatopol'skii. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:14-16 '63.

High-speed cutting on automatic machines. T. N. Eeva. Mashinostroitel' no. 9 23-24 S '63.

Kurnychev, E. F. [Handbook for the adjusters of machine tools] V pomoshch' nastroishchiku metallorezhushchikh stankov. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1963. 122 p.

New machine tools. Stan. i instr. 34 no. 8 39-41 Ag '63.

Operational loads of machine tools. R. M. Fratkina. Stan. i instr. 34 no. 8:7-10 Ag '63.

MACHINE TOOLS—ATTACHMENTS

Attachments for repair work. S. N. Nikitin. Mashinostroitel' no. 9:16-19 S '63

MACHINE TOOLS—DESIGN AND CONSTRUCTION

Selection of basic parameters of spindle units for precision machine tools. IU. N. Sokolov, A. M. Figatner. Stan. i instr. 34 no. 8 3-6 Ag '63

MACHINE TOOLS—ELECTRIC DRIVING

Sandler, A. S., and N. G. Sokolov. [Collection of articles on control systems for electric drives of machine tools] Sbornik skhem avtomaticheskogo upravleniia elektroprivodami metallorezhushchikh stankov. Izd. 2., perer. i dop. Moskva, Mosk. energ. in-t, 1963. 31 p.

MACHINE TOOLS—HYDRAULIC DRIVE

TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [Hydraulic equipment for machine tools in foreign countries, a survey] Stanochnoe gidrooborudovanie za rubezhom, obzor. Moskva, 1963. 71 p.

[MICROFILM]

MACHINE TOOLS—NOISE

Reducing the noise of machine tools. V. A. Vasil'ev. Mashinostroitel' no. 8:35-37 Ag '63.

MACHINE TOOLS—TECHNOLOGICAL INNOVATIONS

Shapitskii, E. N., and E. A. Alekseev. [The machine which you have invented] Mashina, kotoruiu ty izobrel. Tambov, Tambovskoe knizhnoe izd-vo, 1962. 24 p. (Bibliotechka novatora, no. 5)

MACHINE TOOLS—TRANSPORTATION

Packaging machine tools for tropical countries. E. A. Bondarevskaia. Za indus. Riaz. no. 2:55-56 D '61

MACHINE TRANSLATING

Determining the aspect of Russian verbs with the aid of context during machine translation. T. M. Nikolaeva. Mash. perev. i prikl. ling. no. 2:38-44 '59.

Objectives of applied linguistics in the light of the seven-year plan for the development of the national economy in the U. S. S. R. Mash. perev. i prikl. ling. no. 2 1-5 '59.

Operator description of translation algorithms (to be continued). O. S. Kulagina. Mash. perev. i prikl. ling. no. 2:6-22 '59.

Word-forming suffixes of the Armenian language within the confines of mathematical literature. M. Melkumian. Mash. perev. i prikl. ling. no. 2:54-58 '59.

MACHINE TRANSLATING—BIBLIOGRAPHY see Bibliography—Machine translating

MACHINERY—ABSTRACTS

[Materials for machinery manufacture and the design of machine parts] Ref. zhur.: Mashinostroi. mat., konstr. i rasch. det. mash. no. 11 N '63.

[Technology of machinery manufacture] Ref. zhur.: Tekh. mashinostr. no. 10 O '63.

MACHINERY—DESIGN AND CONSTRUCTION

(see also subdivision under Black Sea Economic region)

Economic indices of the evaluation of machinery design. L. V. Bartashev. Vest. mashinostr. 43 no. 9 71-74 S '63.

Evaluating economic efficiency of new designs of equipment. K. I. Klimenko, D. S. L'vov. Vest. mashinostr. 43 no. 9:79-81 S '63.

Sorensen, S. V., V. P. Kogaev, and R. M. Shneiderovich. [Carrying capacity and strength calculation of machine parts] Nesushchaia sposobnost' i raschety detalei mashin na prochnost'. Pod red. S. V. Sorensena. Izd. 2., perer. i dop. Moskva, Mashgiz, 1963. 451 p.

MACHINERY—EXHIBITIONS
Heat treatment at the exhibition of new equipment in the Experimental Research Institute for the Machinery Industry. L. N. Bronnikov. Metalloved. i term. obr. met. no. 9 60-61 S '63.

MACHINERY—FOUNDATIONS
Methods of bolting quietly operating machinery and metal structures to foundations. IU. V. Makarov. Prom. stroi. 40 [i.e. 41] no. 7 52-53 Jl '63.

MACHINERY—MAINTENANCE AND REPAIR
Effect of the conditions of build-up welding with a weaving arc on the strength of parts. D. Bitsadze, I. Ul'man. Tekh. v sel'khoz. 23 no. 2 67-69 F '63.

Leviteskii, D. A. [Operation and repair of the mechanical equipment of sintering plants] Ekspluatatsiia i remont mekhanicheskogo oborudovaniia aglomeratsionnykh fabrik. Moskva, Metallurgizdat, 1963. 251 p.

Mechanization of repair work. A. U. Margulea. Mekh. i avtom. proizv. 17 no. 8:28-30 Ag '63.

Progressive methods of carrying out repairs in enterprises of nonferrous metallurgy. G. I. Shandrenko. TSvet. met. 36 no. 9:91-92 S '63.

MACHINERY—PRICES
Adaptation fund and prices for new machinery. A. Gogoberidze, G. Ivanov. Plan. khoz. 40 no. 10 26-32 O '63.

MACHINERY—STANDARDS
Standardization of machines and equipment for light industry. A. I. Astretsov. Standartizatsiia 27 no. 9 10-12 S '63.

MACHINERY, AUTOMATIC
Automatic machinery lines for self-service restaurants. P. Gorbach. Obshchestv. pit. no. 8, 36-37 Ag '62.

MACHINERY IN INDUSTRY
Expand the competition for the best utilization of equipment. N. Maliutin. Mias. ind. SSSR. 34 no. 4 22-24 '63.

National task. Okhr. truda i sots. strakh. 6 no. 9 1-2 S '63.

MACHINERY INDUSTRY
(see also subdivision under Central Chernozem Economic region, Krasnodar, Minsk; Tambov; United States, Volgodonsk)

Calculating the index of the labor intensity of machinery manufacturing. V. Novoselov. Sots. trud. 8 no. 7:106-112 Jl '63.

Chelyabinsk conference on the use of potentialities in the manufacture of machinery. P. V. Chernogorov. Lit. proizv. no. 8:40 Ag '63.

Chernobai, D. G. [Electric control of the equipment in machinery plants] Elektroavtomatika oborudovaniia mashinostroitel'nykh zavodov. Moskva, Mashgiz, 1963. 205 p.

Cost of export credit in the equipment trade. V. Mogutin. Vnesh. torg. 13 no. 9:37-40 '63.

Decision of the Presidium of the All-Union Council of Scientific Technological Societies, dated February 21, 1963. Lit. proizv. no. 8 41-42 Ag '63.

Machinery industry abroad. Mashinostroitel' no. 8:46 Ag '63.

Pavlova, A. I. [Planning by individual orders in machinery manufacturing] Planirovanie po individual'nym zakazam v mashinostroenii. Moskva, Mashgiz, 1963. 70 p.

MACHINERY INDUSTRY—ABSTRACTS
[Problems of technological progress and the organization of production in the machinery industry] Ref. zhur.: Vop. tekh. prog. i org. proizv. v mashinostr. no. 10 O '63.

MACHINERY INDUSTRY—ACCOUNTING see subdivision under Sverdlovsk

MACHINERY INDUSTRY—BIBLIOGRAPHY see Bibliography—Machinery industry

MACHINERY INDUSTRY—COSTS see subdivision under Novocherkassk

MACHINERY INDUSTRY—INDUSTRIAL CAPACITY see subdivision under Ukraine

MACHINERY INDUSTRY—MANAGEMENT
(see also subdivision under Alma-Ata)

"AKRO" is automatic control of the performance of equipment. B. I. Rusakov. Mashinostroitel' no. 8:6-8 Ag '63.

Introduce progressive practice in labor organization. Sots. trud. 8 no. 7 40-70 Jl '63.

New developments in the production planning of industrial plants. V. Russkikh. Part. zhizn' no. 18:31-35 S '03.

Standardization of technological processes of the assembly of parts in the machinery industry. L. S. Vel'chanskii, N. A. Sachkov. Zn indus. Riaz. no. 2:50-52 D '61.

Using mechanization equipment in preparing the production in metal-construction shops. M. V. Raikhlin. Vest. mashinostr. 43 no. 9:74-78 S '63.

Using the method of linear programming in investigating the design of production specialization. V. S. Romanchuk. Vest. mashinostr. 13 no. 9 85-89 S '63.

MACHINERY INDUSTRY—PRODUCTION STANDARDS
(see also subdivision under Estonia)

Over thirty Russian billions. Mashinostroitel' no. 9:1-2 S '63.

MACHINERY INDUSTRY—QUALITY CONTROL

Sergeev, S. V., and V. G. Frolov. [Virus of unreliability] Virus nenadezhnosti. Tambov, Tambovskoe knizhnoe izd-vo, 1962. 15 p. (Bibliotechka novatora, no. 1)

MACHINERY INDUSTRY—STANDARDS

Kokhtev, A. A. [Technical and economic fundamentals of standardization in the machinery industry] Tekhniko-ekonomicheskie osnovy standartizatsii v mashinostroenii. Izd. 2., perer. i dop. Moskva, Mashgiz, 1963. 430 p.

Standards for the machinery industry. Standartizatsiia 27 no. 9 58-59 S '63.

MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS
(see also subdivision under Alma-Ata Province; Gorkiy; Moscow)

Biaev, B. D. [Technological progress and the structure of the labor supply] Tekhnicheskii progress i struktura rabochikh kadrov. Moskva, Ekonomizdat, 1963. 86 p.

MACHINERY INDUSTRY WORKERS see subdivision under Leningrad; Moscow, Odessa

MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING see subdivision under Sverdlovsk Province

MACQUARIE ISLAND—ALGAE
Representatives of the family Delesseriaceae (Rhodophyta) from the islands of Kerguelen and Macquarie. A. D. Zinova. Bot. mat. Otd. spor. rast. 16:52-67 '63.

MACROMOLECULAR COMPOUNDS
Exhibition of Achievements of the National Economy of the U. S. S. R., new devices for the investigation of macromolecular compounds. G. O. Tatevos'ian. Plast. massy no. 10, 69-71 '63.

Kulianin, G. I. [Macromolecular compounds and their importance in the expansion of the production of consumers' goods] Vysokomolekuliarnye soedineniia i ikh znachenie v rasshirenii proizvodstva tovarov narodnogo potrebleniia; lektsiia po kursu "Tovarovedenie promyshlennykh tovarov." Moskva, Znachnyi in-t sovetskoi torgovli, 1963. 21 p.
[MICROFILM]

Rafikov, S. R., S. A. Pavlova, and I. I. Tverdokhlebova. [Methods for determining the molecular weights and polydispersity of macromolecular compounds] Metody opredeleniia molekuliarnykh vesov i polidispersnosti vysokomolekuliarnykh soedinenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 334 p.

MACTRIDAE, FOSSIL see subdivision under Dnieper Valley

MADAGASCAR see Malagasy Republic

MADREPORARIA see subdivision under Crimean Mountains

MAFIA see subdivision under Sicily

MAGADAN PROVINCE—WIRE BROADCASTING
Wire broadcasting workers of the Magadan Province. V. E. Kazennov. Vest. sviazi 23 no. 9:22 S '63.

MAGHEMITE
Conditions for the formation and the thermal stability of maghemite. N. A. Vasiutinskii. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 4:39-45 Jl-Ag '63.

MAGNESIA—ELECTROMETALLURGY
Automatic measurement of chlorine concentration in anodic gas. V. I. Konstantinov, S. M. Sutovskii. TSvet. met. 36 no. 5:45-51 My '63.

MAGNESITE—TESTING
Effect of the structure of magnesite on its technological properties. P. N. Babin, L. K. Venderova. Trudy Inst. met. i obog. AN Kazakh. SSR 6:171-180 '63.

MAGNESIUM
Prospects for developing the silicothermal method of magnesium production. I. V. Frishberg, A. S. Mikulinskii. Izv. Sib. otd. AN SSSR no. 2:63-60 '62.

Solution of magnesium in melts containing chlorides of alkaline and alkaline earth metals. V. P. Kochergin, Z. A. Krasil'nikova. Zhur. neorg. khim. 8 no. 9:2029-2034 S '63.

MAGNESIUM ALLOYS—METALLOGRAPHY
Effect of zirconium on the grain size of magnesium alloys with 4, 5% of Zn. V. M. Bubkin. Metalloved. i term. obr. met. no. 9:56-57 S '63.

MAGNESIUM ALLOYS—TESTING
Effect of technological factors on the mechanical properties and tendency toward crack formation of the ML5 alloy. A. V. Kurdiumov, IU. V. Demin, G. S. Zhdanov. Lit. proizv. no. 8, 17-18 Ag '63.

Mechanical properties in the solid-fluid state of the ML12 alloy containing RZM [rare-earth metals]. I. I. Novikov and others. Metalloved. i term. obr. met. no. 9 53-56 S '63.

MAGNESIUM CHLORIDE
Formation of magnesium subchloride. V. P. Kochergin, Z. A. Krasil'nikova. Zhur. neorg. khim. 8 no. 9 2038-2040 S '63.

MAGNESIUM CHROMITE—THERMODYNAMIC PROPERTIES
Calculation of the thermodynamic characteristics and conditions for the reduction of magnesium and calcium chromites. I. A. Novokhatskii. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2 3-8 Mr-Ap '63.

MAGNESIUM-MANGANESE ALLOYS—METALLURGY
Grain refinement in MA8 alloys. V. V. Gusarskii, M. A. Kuzovlev. Metalloved. i term. obr. met. no. 9:57-58 S '63.

MAGNESIUM-SILICON-IRON ALLOYS see Iron-magnesium-silicon alloys

MAGNETIC AMPLIFIERS
Designing magnetic amplifiers with W-shaped cores. S. B. Abaturov. Sbor. st. LITMO no. 47 32-40 '59.

Magnetic amplifiers with a high-resistance input. N. F. Luk'ianov. Sbor. st. LITMO no. 47 41-45 '59.

Some problems concerning the use of self-saturating magnetic amplifiers for controlling d. c. drives. M. A. Bolarchenko. Elektrichestvo no. 8:49-52 Ag '63.

Using magnetic amplifiers in excitation control circuits of blooming-mill motors. D. N. Katinskii, G. M. Ivanov. Sbor. trud. TSNIICHM no. 30 116-122 '63.

MAGNETIC AMPLIFIERS—MATHEMATICAL MODELS
Mathematical model of a magnetic amplifier. M. V. Belianev, A. F. Gorshkov. Izv. vys. ucheb. zav., gor. zhur. no. 3:150-154 '63.

MAGNETIC ANOMALIES
(see also subdivision under Pacific Ocean, Soviet Far East)

Localization of the characteristics of potential fields from observed anomalies and the accuracy of analytic continuations into the lower discontinuity. M. G. Sobolenko, O. A. Solov'ev. Geol. i geofiz. no. 7 113-116 '63.

MAGNETIC CIRCUITS
Graphoanalytic method of designing a magnetic circuit with a large air space. V. P. Bukhgol'ts, Z. I. Tikhomirova. Mekh. i avtom. v gor. prom. no. 3, 267-287 '63.

MAGNETIC FIELDS
Boundary layer in a conducting fluid in the presence of a longitudinal magnetic field [with summary in English]. M. V. Belubekian. Izzh.-fiz. zhur. 6 no. 8 97-105 Ag '63.

Depolarization of relativistic electrons in a magnetic field [with summary in English]. S. S. Sannikov. Zhur. eksp. i teor. fiz. 45 no. 3:797-799 S '63.

Effect of phonon drag on the longitudinal thermo-e. m. f. in semiconductors and semimetals in a longitudinal magnetic field. P. S. Zyrianov. Fiz. tver. tela 5 no. 9: 2576-2579 S '63.

Measuring the resistance of single crystals in a pulsed magnetic field [with summary in English]. N. E. Alekseevskii, V. S. Egorov. Zhur. eksp. i teor. fiz. 45 no. 3:448-454 S '63.

Motion of single charged particles in undulating magnetic fields. V. M. Balebanov and others. Atom. energ. 15 no. 4:319-319 O '63.

Nonlinear magnetoelastic waves. L. A. Pospelov. Prikl. mat. i mekh. 27 no. 5:939-943 S-O '63.

Nonlinear theory of the drift instability of an inhomogeneous plasma in a magnetic field [with summary in English]. A. A. Galeev, L. I. Rudakov. Zhur. eksp. i teor. fiz. 45 no. 3:647-655 S '63.

MAGNETIC FIELDS (COSMIC PHYSICS)
Structure of solar magnetic fields and its variations in flare regions [with summary in English]. S. I. Gopasiuk and others. Izv. Krym. astrofiz. obser. 29, 15-67 '63.

MAGNETIC MATERIALS
Al_2-effect in plastic deformations of ferromagnetics. I. IA. Dekhtiar, D. A. Levina. Fiz. tver. tela 5 no. 9: 2719-2722 S '63.

Dynamic magnetization loops of 65NP and 79NM alloys at frequencies up to 10 c. p. s. N. A. Semenova, L. V. Mitel'man. Elektrichestvo no. 9:87-90 S '63.

Theory of the Nernst-Ettingshausen effect in ferromagnetic metals [with summary in English]. E. I. Kondorskii. Zhur. eksp. i teor. fiz. 45 no. 3:511-521 S '63.

Thermo-e. m. f. in ferromagnetic metals due to scattering of electrons on magnons [with summary in English]. L. E. Gurevich, G. M. Nedlin. Zhur. eksp. i teor. fiz. 45 no. 3:576-586 S '63.

MAGNETIC MEMORY (CALCULATING MACHINES)
Operating magnetic memory unit (MOZU) for a special-purpose electronic computer. A. V. Bogdanov, E. I. Zhilko, S. V. Fedoseev. Sbor. trud. TSNIICHM no. 30: 94-101 '63.

MAGNETIC PROSPECTING
(see also subdivision under Volga-Ural region, Yakutia)

MAGNETIC RECORDERS AND RECORDING

MAGNETISM, TERRESTRIAL

MAGNETITE see subdivision under Kustanay Province

MAGNETITE—ANALYSIS
Composition of the ore part of magnetite ore sinters. I. IA. Malysheva, A. D. Rafchaev. Izv. AN SSSR Otd. tekh. nauk, Met. i gor. delo no. 2:13-16 Mr-Ap '63.

MAGNETOHYDRODYNAMICS
Dynamics of a conductive continuum in a strong magnetic field. M. I. Kiselev. Inzh. zhur. 3 no. 3:466-471 '63.
Magnetohydrodynamic generators in power systems. B. I. Stroitelev, Iu. A. Sokolovskiy. Elektrichestvo no. 8:13-22 S '63.
Problems concerning an aerothydrodynamic method for converting thermal energy to electric power. A. V. Gorbunov. Teploenergetika 10 no. 9:81-85 S '63.
Trapping magnetic plasma waves in bismuth related to hybrid resonance. V. S. Edel'man, M. S. Khaikin. Zhur. eksp. i teor. fiz. 45 no. 3:826-829 S '63.

MAGNETOMETER
Simple magnetometer based on electron paramagnetic resonance. E. P. Firsov, S. P. Provorov., G. D. Latyshev. Trudy Inst. fiz. AN Kazakh SSR 6:124-128 '63.

MAGNETS
Experiments with magnets. E. Orlov. Nauka i zhizn' 30 no. 9:104-105 S '63.
Magnetic plate with permanent ceramic magnets. O. IA. Konstantinov. Mashinostroitel' no. 9:26-27 S '63.

MAGNITOGORSK—AMATEUR THEATRICALS
Hearty participation. V. Nikolaev. Smena 40 no. 15:14-15 Ag '63.

MAGNITOGORSK—FINANCE
Important problems of bank and enterprise operations. V. Zakharov. Den. i kred. 21 no. 9:55-57 S '63.

MAGNITOGORSK—METALWORKERS
Starutski, A. O. [Hot breath] Goriachee dykhanie. Moskva, "Sovetskaia Rossiia," 1963. 249 p.

MAGNITOGORSK—OPEN-HEARTH FURNACES
Thermal conditions in the leading furnace of the Magnitogorsk Metallurgical Combine. V. G. Trifonov, IU. B. Snegirev., E. V. Val'piter. Metallurg 8 no. 9:16-21 S '63.

MAGNITOGORSK—STEEL INDUSTRY—TECHNOLOGICAL INNOVATIONS
A factory council of innovators. A. Tel'nov. Agitator no. 20:60 O '63.

MAGNITOGORSK REGION—PHOSPHORUS
Behavior of phosphorus during contact metasomatic processes as exemplified in the Malyy Kuybas and Magnitnaya Mountain deposits. D. I. Bulatov. Dokl. AN SSSR 151 no. 6:1428-1429 Ag '63.

MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1893-1930
Bard of great ideas [in Armenian with summary in Russian]. P. T. Saakian. Ist.-filol. zhur. no. 2:17-30 '63.
From Maiakovskii to children. M. Mariko. Doshk. vykh. 24 no. 5:42-43 My '63.
Lessons of Maiakovskii. A. Abramov. Vop. lit. 7 no. 9:205-209 S '63.
Maiakovskii abroad. Nikolai Aseev. Ogonek 41 no. 21:26-27 My '63.
Maiakovskii and Ostap Vyshnia. E. M. Minchyn. Rad. lit. 7 no. 4:17-20 Jl-Ag '63.
Maiakovskii and the poetry of Bukov up to 1940. V. A. Shaschkin. Uch. zap. Perm. gos. un. 23 no. 2:186-211 '62.

Our Maiakovskii. L. Stolmov. Sov. potreb. koop. 7 no. 7:60-61 Jl '63.
Surma, IU. A. [Words in battle; aesthetics of Maiakovskii and the literary struggle of the 1920's] Slovo v boiu, estetika Maiakovskogo i literaturnaia bor'ba 20-kh godov. [Leningrad] Lenizdat, 1963. 205 p.
Traditions of the revolutionary poetic word. V. A. Zaitsev. Vest. Mosk. un. Ser. 7:Filol., zhur. 18 no. 4:41-51 Jl-Ag '63.
Translation of Maiakovskii's poetry into Romance languages. V. A. Shvachkin. Uch. zap. Perm. gos. un. 23 no. 2:212-231 '62.
Unrevealed texts of Maiakovskii's "windows." V. D. Duvakin. Vest. Mosk. un. Ser. 7:Filol., zhur. 18 no. 4:52-61 Jl-Ag '63.

MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1893-1930—HOMES AND HAUNTS
Maiakovskii's life in Kherson Province. O. O. Havrylenko. Rad. lit. 7 no. 1:28 Jl-Ag '63.

MAIZE see Corn (Maize)

MAKARENKO, ANTON SEMENOVICH, 1888-1939
Anniversary conference. L. S. Novykova. Rad. shk. 12 no. 5:106-107 My '63.
Good book about Makarenko. N. Fedorov. Shkola i zhizn' no. 4:74-75 Jl-Ag '63.
Kalnov, I. A. [A word about Makarenko; on the 75th anniversary of his birth] Slovo o Makarenko, k semidesiatipiatiletiiu so dnia rozhdeniia. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 23 p.

MAKOVSKII, VLADIMIR EGOROVICH, 1846-1920
Gorina, T. N. Vladimir Egorovich Makovskii. Moskva, Gos. izd-vo izobraz. iskus., 1961. [12] p. 69 plates. (MaU)

MALAGASY REPUBLIC—DESCRIPTION AND TRAVEL
A journey of more than 14,000 kilometers. L. Vol'nov. Sov. pech. no. 7:58-61 Jl '63.
A trip through Madagascar; photographic views. Az. i Afr. seg. no. 9:14-15 S '63.

MALAGASY REPUBLIC—ECONOMIC CONDITIONS
In the effort for trade-union unity. Maurice Boye. Vsem. prof. dvizh. no. 7/8:38-39 Jl-Ag '63.

MALAGASY REPUBLIC—INVESTMENTS, FRENCH
Gold dust in the eyes. L. Karasev. Az. i Afr. seg. no. 9:58 S '63.

MALAGASY REPUBLIC—NEWSPAPERS
"In Harmy," the conscience of the people [with English summary in insert]. L. Korneev. Az. i Afr. seg. no. 9:56 S '63.

MALAGASY REPUBLIC—TRADE UNIONS—CONGRESSES
In the effort for trade-union unity. Maurice Boye. Vsem. prof. dvizh. no. 7/8:38-39 Jl-Ag '63.

MALARIA—PREVENTION
Sergiev, P. G., ed. [Malaria and its prevention in the U. S. S. R.] Malariia i ee profilaktika v SSSR; organizatsionno-metodicheskie materialy. Moskva, Medgiz, 1963. 154 p.
(DNLM)

MALAYA BOTUOBUYA VALLEY—DIAMONDS
Rozhkov, I. S., G. P. Mikhaliev, and L. M. Zaretskii. [Diamond-bearing placers in the Malaya Botuobiya region of western Yakutia, conditions governing their formation, the composition of continental sediments, and genetic types] Almazonosnye rossypi Malo-Botuobinskogo raiona zapadnoi IAkutii, usloviia ikh formirovaniia, sostav kontinental'nykh otlozhenii i geneticheskie tipy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 136 p.

MALAYSIA, FEDERATION OF
The Federal Republic of Nigeria, Gambia, Malaysia. Agitator no. 20:56-57 O '63.

MALEIC ACID
Finishing of wood articles with PE-219N maleic acid polyester by means of the flow coat method. V. G. Maksimova and others. Lakokras. mat. i ikh. prim. no. 4:38-41 '63.
Nitroalkyd resins. Report No. 2: Synthesis of resins based on polyhydric nitro alcohols in maleic acid. L. M. Kozlov, V. I. Burmistrov, N. N. Khalilova. Trudy KKHTI no. 30:136-143 '62.

MALI—POLITICS AND GOVERNMENT
The only fruitful policy [with English summary in insert]. Aoa Keita. Az. i Afr. seg. no. 10:30-31 O '63.

MALI—RELATIONS (GENERAL) WITH RUSSIA
Solidarity of the peoples. Az. i Afr. seg. no. 10:66 O '63.

MALI—TRADE UNIONS
First congress of the trade unions of Mali. IU. Nikolaev. Az. i Afr. seg. no. 10:56-57 O '63.

MALIN DISTRICT—MURDER
Who was the murderer? M. Volod'ko. Rad. pravo no. 3:54-56 My-Je '63.

MALO, JOSE SATUE
Set Jose Satue Malo free. Vsem. prof. dvizh. no. 9:40 S '63.

MALONIC ACID
Condensation of N-methyl-α and α'-aminoanabasine with malonic ester. B. Tumur, A. S. Sadykov, Sh. Sharipova. Uzb. khim. zhur. 7 no. 4:64-67 '63.

MALT
Indices of the production of [illegible] various malting methods. [illegible] Spirt. prom. [illegible] no. 6:8-11 '63.

MALYSHKO, ANDRII, 1912-
[Andrii Malyshko; articles, [illegible] comments] Pro tvorchist' Malyshka, [illegible] vybrani, vidibrav Kyiv, Radians'kyi pys'mennyk, 1963. 270 p.
(UCOLU)
An interuniversity conference in [illegible] 7 no. 1:162-163 Jl-Ag '63.

MALYYE GRIBOVKI—STONE AGE
Settlement of the culture of painted [illegible] Malyye Gribovki village, Kiev Province. Sm. Shiba, M. A. Polenbyshina. [illegible] Prikarp. t. Vol. no. 1:98-114 '63.

MAMMALS
(see also subdivision under Chiroptera)
"Systematic dictionary of the mammals [illegible] Maurice Burton. T. D. Gladilova. [illegible] 158-159 '63.

MAMMALS—EMBRYOLOGY see Fetal [illegible] Mammals

MAN (THEOLOGY)
"Operation Eve." D. Ugrinovich. [illegible] 12-14 My '63.

MAN, PREHISTORY
(see also subdivision under Caucasus)
Characteristic features of the variability [illegible] and occipital lobes of the endocranial [illegible] nidae. V. I. Kochetkova. Vop. antr. [illegible]

MANDELIC ACID
Complex formation of thorium with [illegible] α-hydroxyisobutyric acids. A. V. [illegible] ani, IA. Mink, Radiokhimiia 5 no. [illegible]

MANGANESE
(see also subdivision under Goriachaya [illegible] Altai)
Manganese amphiboles of the ruminglite [illegible] summary in English]. O. I. Matkovskii [illegible] no. 10:1160-1163 '62.

MANGANESE CARBONATE
Isomorphic miscibility in the series [illegible] summary in English]. V. I. Pavlishin, [illegible] Min. sbor. no. 16:445-449 '62.

MANGANESE COMPOUNDS
Structure of a citrate complex of [illegible] Shnurevich. Zhur. neorg. khim. [illegible] '63.

MANGANESE CRYSTALS—SPECTRA
Using an interferometer with high [illegible] determining relative forces of [illegible] lators. V. IU. Volk, O. P. Petrova. [illegible] no. 4:481-00 '60.

MANGANESE-GOLD ALLOYS—MAGNETIC PROPERTIES
Magnetostriction of the metamagnetic [illegible] summary in English]. V. I. Nikolaev, [illegible] Zhur. eksp. i teor. fiz. 45 no. 3:480 [illegible]

MANGANESE HALIDES
Complex compounds of picolinic acid [illegible] manganese halides. M. A. Azizov, A. [illegible] Kh. Kh. Khaitmov. Uzb. khim. zhur. [illegible]

MANGANESE HYDROXIDES
Thermodynamics of dissociation of ferr[illegible] nous hydroxides. I. G. Berg, V. P. Kos[illegible] neorg. khim. 8 no. 9:2041-2045 S '63.

MANGANESE MINES AND MINING [illegible] Ukraine

MANGANESE ORES see subdivision under [illegible]

MANGANESE OXIDES
Characteristics of the sorption of strontium [illegible] manganese dioxide. III. V. I. Egorov, [illegible] diokhimiia 5 no. 2:211-215 '63.
Effect of the mass of a collector (hydrated [illegible] sorption of trace amounts of certain [illegible] topes. IU. V. Egorov, E. I. Krylov. [illegible] no. 2:205-211 '63.
Extraction of manganese dioxide from [illegible] means of gelatin foam [with summary in [illegible] Pushkarev, E. A. Budenkov. Koll. zhur. [illegible] 592 S-O '63.

MANGANESE STEEL—METALLOGRAPHY
Characteristics of phase transformations, also [illegible] properties of manganese steel. IA. I. [illegible] Charuchnikova, A. M. Belikov. Izv. AN [illegible] nauk, Met. i gor. delo no. 4:105-111 Jl-Ag '63.

MANGANESE STEEL—TESTING
Failure of low-carbon and manganese steels. [illegible] Achkasov, N. P. Shchapov. Metalloved. i [illegible] met. no. 9:28-32 S '63.

MANGISTAUSKIY DISTRICT—SHEEP

Sheep growing is a profitable branch of the collective farms. I. Shamkelov. Uchet i fin. v kolkhoz. i sovkhoz. 30 no. 7 33-34 Jl '63.

MANGYSHLAK PENINSULA—KAZAKHS

From the history of the Kazakhs on the Mangyshlak Peninsula in the second half of the 19th century. M. S. Tursunova. Trudy Inst. ist., arkheol i etn AN Kazakh. SSR 16 122-152 '63

MANN, THOMAS, 1875-1955

Theme of art in T. Mann's novel "Doctor Faustus." R. F. Vishen'kina. Uch. zap. Perm. gos. un. 23 no. 2 84-101 '62.

MANNED SPACE FLIGHT

Psychologists have started investigating the problem how to form a spaceship crew. M. Novikov. Nauka i zhizn' 30 no. 9 39-41 S '63.

MANPOWER

International seminar on labor supply; an interview. H. Daveport. Nov. vrem. 21 no. 38 11 S '63.

MANUAL TRAINING

Continuity in manual training. A. I. Vorob'ev. Shkola i proizv. 7 no. 9 66-71 S '63.

Instruction as a method of manual training. P. M. Korlikov. Sov. pedag. 27 no. 8 88-93 Ag '63.

Love for work. A. Dyshova. Doshk. vosp. 36 no. 7 41-43 Jl '63.

Manual training. V. N. Isakova. Nach. shkola 31 no. 9 86-87 S '63.

Method of exercises in school workshops. I. F. Rozdobud'ko. Shkola i proizv. 7 no. 9 74-77 S '63.

Planning a class of production training. N. Riabov. Prof.-tekh. obr. 20 no. 7 15-16 Jl '63.

Planning of program material in the fifth grade. N. A. Chernenko. Shkola i proizv. 7 no. 9 71-74 S '63.

Student production is evaluated collectively. I. F. Rozdobud'ko. Rad. shk. 42 no. 5 78 My '63.

MANUFACTURES—ABSTRACTS

[Communal, household, and commercial equipment] Ref. zhur.: Kommun., byt, i torg. obor. no. 10 O '63.

[Light industry] Ref. zhur.: Leg. prom. no. 10 O '63.

MANUSCRIPTS

A conference on the study of manuscripts. Rad. lit. 7 no. 5:155-156 S-O '63.

Leningrad. Publichnaia biblioteka. Otdel rukopisei. [Catalog of letters and other materials of Western European scholars and writers of the 16th—17th centuries in the P. P. Dubrovskii Collection] Katalog pisem i drugikh materialov zapadnoevropeiskikh uchenykh i pisatelei XVI-XVIII vv.; iz sobraniia P. P. Dubrovskogo. Pod red. M. P. Alekseeva. Leningrad, 1963. 105 p. (Its. Trudy)

MANUSCRIPTS—BIBLIOGRAPHY see Bibliography—Manuscripts

MANUSCRIPTS—CATALOGS

Work of the Archaeographical Committee. N. B. Shelamanova. Vop. ist. 38 no. 9:95-96 S '63.

MANUSCRIPTS, SOGDIAN

[Sogdian documents from Mug Mountain; their reading, translating, and commentating] Sogdiiskie dokumenty s gory Mug; chtenie, perevod, kommentarii. Moskva, Izd-vo vostochnoi lit-ry.

No. 2. [Legal documents and letters] Iuridicheskie dokumenty i pis'ma; chtenie, perevod i kommentarii V. A. Livshitsa. 1962. 222 p.

MANUSCRIPTS, UKRAINIAN see subdivision under Kiev; Transcarpathia

MANYCH VALLEY—GEOLOGY, STRUCTURAL

Results of detailed structural and geomorphological studies in the Manych uplift region. L. P. Kodakova. Vest. Mosk. un. Ser. 4, Geol. 18 no. 3 39-43 My-Je '63.

MANYCH VALLEY—GEOMORPHOLOGY

Results of detailed structural and geomorphological studies in the Manych uplift region. L. P. Kodakova. Vest. Mosk. un. Ser. 4, Geol. 18 no. 3, 39-43 My-Je '63.

MAORIS

Some features of the primitive culture of the Maoris; based on collections of the Museum of Anthropology and Ethnology. N. A. Butinov, L. O. Rozina. Sbor. Muz. ant. i etn. 21:78-109 '63.

MAPA (KWANTUNG PROVINCE)—NEANDERTHAL RACE

The find of a Neanderthal skull in Mapa in the Kwantung Province of China. Tsiu Cheng-yao. Vop. antr. no. 13: 151-155 '63.

MARCHENKO, NIKOLAI PETROVICH

What a motion-picture projectionist is. I. Polonskii. Isk. kino 33 no. 8, 115-116 '63.

MARES

(see also subdivision under Udmurt A.S.S.R.)

Pregnant mare's blood as a hormone preparation. P. I. Shatalov. Veterinariia 39 no. 11:52-56 N '62.

MARGELAN—WOODWORKING INDUSTRIES

The guilty are punished. Part. zhizn' no. 19:79 O '63.

MARI A S S R —FOREST ROADS

Experiments in building roads with stabilized coverings. P. Sergeev, A. Grigor'ev. Les. prom. 10 no. 9:24-25 S '62.

MARINE BOILERS see Boilers, Marine

MARINE DIESEL ENGINES

Additives to sulfurous fuels for improving the performance of diesel engines. P. P. Botkin. Inform. sbor. TSNIIMF no. 44. Tekh. ekspl. mor. flota no. 2 24-35 '59.

Causes for the failure of bearings on R6DV136 diesel-generators. A. Gerasimov. Mor. flot 23 no. 10:30-31 O '63.

Effect of controlling the pitch of a propeller on torsional vibrations in marine diesel engine shafts. V. Z. Karasi'. Sudostroenie 29 no. 8:36-39 Ag '63.

Prospects of using low-speed, high-power engines on ships. Sudostroenie 29 no. 8:36-39 Ag '63.

Using fast diesels as the main engines of cargo motorships. M. I. Korchagin. Inform. sbor. TSNIIMF no. 44. Tekh. ekspl. mor. flota no. 2 3-23 '59.

Zamota, V. I., and N. N. Svichinskii. [Operation, repair, and modernization of the power plant on "Kazbek"-type tank vessels] Opyt eksploatatsii, remonta i modernizatsii silovoi ustanovki tankerov tipa "Kazbek." Moskva, Izd-vo "Morskoi transport," 1963. 174 p. (Biblioteka obmena opytom na morskom transporte)

MARINE DIESEL ENGINES—TESTING

[Methods of testing the thermodynamic efficiency of marine diesel engine power plants] Metodika teplotekhnicheskikh ispytanii dizel'nykh sudovykh ustanovok. Leningrad, Izd-vo "Morskoi transport," 1962. 165 p. (Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. Informatsionnyi sbornik, no. 83/84. Tekhnicheskaia ekspluatatsiia, no. 10/10)

MARINE ENGINEERING

Brief news from foreign countries. Mor. flot 23 no. 10: 43 O '63.

Complex automatic control on the steamer "Admiral Ushakov." A. Popov. Rech. transp. 22 no. 9 32 S '63.

Errors in determining the time of start and acceleration of marine engines. L. G. Scholev. Sudostroenie 29 no. 8:43-45 Ag '63.

Improve efficiency conditions for the repair of marine systems and mechanisms. IU. Mitrushkin. Mor. flot 23 no. 10, 35-37 O '63.

MARINE ENGINES

Automatic control of motorship engine operations. A. Chernysh and others. Rech. transp. 22 no. 9 27-28 S '63.

Concerning Z. A. Khandova's book "Marine internal combustion engines." Energomashinostroenie 9 no. 9:31, 48 S '63.

Vysota, I. I., and V. S. Plakhov. [Marine power plants] Sudovye silovye ustanovki. Izd. 3., pererab. i dop. Moskva, "Rechnoi transport," 1963. 404 p.

MARINE ENGINES—MAINTENANCE AND REPAIR

Methods of determining delays between overhauls of the cylinder-piston group of engines. S. Brykov. Rech. transp. 22 no. 8:31-33 Ag '63.

MARINE ENGINES—TESTING

Results of testing new types of main engines. N. Renskii. Rech. transp. 22 no. 9 32-35 S '63.

MARITIME CONTRACTS see Contracts, Maritime

MARITIME LAW

(see also subdivision under Belgium; China; France; Germany, East; Great Britain; Netherlands; Poland; United States)

Basic problems of socialist property rights on seagoing vessels in the U. S. S. R. A. L. Kolodkin. Inform. sbor. TSNIIMF no. 58, Mor. pravo i prak. no. 12, 3-12 '61.

Civil law liability of shipowners for failure or delay in delivering their vessels for the planned shipping of freight to foreign countries. A. K. Kravtsov. Inform. sbor. TSNIIMF no. 72, Mor. pravo i prak. no. 16:6-11 '62.

Conflict of laws in the collision at sea of the ships of different nations. L. M. Egorov. Inform. sbor. TSNIIMF no. 72 Mor. pravo i prak. no. 16:11-18 '62.

Decision No. 266 of March 9, 1960 of the Council of Ministers of the U. S. S. R. on the amendment of Article 1 of Regulations on the Maritime Arbitration Commission attached to the All-Union Board of Trade. Inform. sbor. TSNIIMF no. 58, Mor. pravo i prak. no. 12: 48 '61.

Delimitation of the liability of steamship lines and railroads for the loss of freight in the direct railroad and water transportation of goods. L. M. Egorov. Inform. sbor. TSNIIMF no. 58, Mor. pravo i prak. no. 12:12-21 '61.

First Assembly of the Intergovernmental Maritime Consultative Organization. D. N. Kolesnik. Inform. sbor. TSNIIMF no. 49, Mor. pravo i prak. no. 9:3-11 '60.

From the practice of Soviet arbitration agencies. Inform. sbor. TSNIIMF no. 58, Mor. pravo i prak. no. 12, 50-62 '61.

From the practice of the Bureau of Average Adjusters attached to the All-Union Board of Trade. R. R. Oberg. Inform. sbor. TSNIIMF no. 67, Mor. pravo i prak. no. 14: 65-71 '61.

From the practice of the Maritime Arbitration Commission attached to the All-Union Board of Trade. Inform. sbor. TSNIIMF no. 72, Mor. pravo i prak. no. 16 11-43 '62.

From the practice of the State Arbitration Agency attached to the Council of Ministers of the U. S. S. R. Inform. sbor. TSNIIMF no. 72, Mor. pravo i prak. no. 16 37-39 '62.

In the International Chamber of Shipping, changes in the preparation of shiping documents. A. IA. Vorokhobskii. Inform. sbor. TSNIIMF no. 49, Mor. pravo i prak. no. 9:77-78 '60.

International Convention for the Unification of Certain Rules Concerning the Transportation of Passengers by Sea, 1961. Inform. sbor. TSNIIMF no. 72 Mor. pravo i prak. no. 16:30-36 '62.

Introductory articles of the proposed code of maritime law. Inform. sbor. TSNIIMF no. 49, Mor. pravo i prak. no. 9:39-44 '60.

Limitation of actions in the proposed code of maritime law. Inform. sbor. TSNIIMF no. 49, Mor. pravo i prak. no. 9:45-50 '60.

Regulation of transportation and shiploading functions of ports in the proposed code of Soviet maritime law. L. G. Shmigel'skii. Inform. sbor. TSNIIMF no. 49, Mor. pravo i prak. no. 9:33-38 '60.

Regulations on recording the loss of freight and baggage. Inform. sbor. TSNIIMF no. 58, Mor. pravo i prak. no. 12 49-50 '61.

Reservations of the Soviet Union to the Geneva conventions of 1958. Inform. sbor. TSNIIMF no. 67, Mor. pravo i prak. no. 14 49 '61.

Some decisions of the Maritime Arbitration Commission. A. D. Keilin. Inform. sbor. TSNIIMF no. 67, Mor. pravo i prak. no. 14 54-64 '61.

Some decisions of the State Arbitration Agency attached to the Council of Ministers of the U. S. S. R. Inform. sbor. TSNIIMF no. 67, Mor. pravo i prak no. 14 50-53 '61.

Some suggestions concerning the preparation of rules on the mutual responsibility of contracting parties for their failure to carry out their plans for the maritime transportation of freight. K. F. Egorov. Inform. sbor. TSNIIMF no. 67, Mor. pravo i prak no. 14:10-18 '61.

Terms and conditions of the towage of seagoing vessels adopted by the Polish Board of Foreign Trade. A. IA. Vorokhobskii. Inform. sbor. TSNIIMF no. 49, Mor. pravo i prak. no. 9:22-26 '60.

The 30th anniversary of the code of maritime laws of the Soviet Union. A. D. Keilin. Sov. gos. i pravo no. 10: 98-104 O '59.

Two ways to limit the liability of the owners of seagoing vessels. K. F. Egorov. Inform. sbor. TSNIIMF no. 49, Mor. pravo i prak. no. 9:19-22 '60.

We should review and amend some obsolete rules. G. E. Brukhis, A. V. Koridon. Inform. sbor. TSNIIMF no. 67, Mor. pravo i prak. no. 14 18-22 '61.

Work of the Intergovernmental Maritime Consultative Organization. E. A. Mikulinskii. Inform. sbor. TSNIIMF no. 49, Mor. pravo i prak. no. 9 74-77 '60.

MARITIME LAW—PERIODICALS see subdivision under France

MARITIME TERRITORY—PASTURES AND MEADOWS

Feeding quality of variherbaceous meadows in the Maritime Territory. K. G. Chupakhina. Bot. zhur. 48 no. 8:1161-1167 Ag '63.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

MARINE DISTRICT—COOPERATIVE SOCIETIES

[illegible]

MARX, KARL, 1818-1883

[illegible]

MASH OASIS *see Murgal Oasis*

MASHKIN

[illegible] [Quadratic irrational molecular genetic systems] Moskovskaia laboratoriia [illegible] Moskva, Izdvo Akademii nauk, 1963. 73 p.

MASLIAK, STEPAN VOLODYMYROVYCH, 1835-1960

[illegible] M. I. Dykyi. Rad. [illegible] no. 3 92-110 [illegible]

MASS SPECTROMETRY

[illegible] [Use of the interferometric microscope for the study of the mass distribution of [illegible] Dokl. AN SSSR, 1963, 151, no. 3, 570-573

[illegible] [The study (by the ion) distribution of [illegible] A. B. Pashkovskii, I. M. Zolotarevskii, [illegible] Zh. tekh. fiz., 1963, 33, no. 9, 1111-1117

[illegible] [Theoretical and experimental study of the polarization of molecules [illegible] of external electric field] M. P. [illegible] L. I. [illegible] Izv. AN SSSR. Ser. fiz., 1963, 27, no. 10, 1233-1237

MASS TRANSFER

[illegible] [Mass transfer in the boundary layer of a rotating disk] I. M. Federman, M. A. Kochin, P. D. [illegible] Izv. vys. ucheb. zaved. Energetika, 1963, no. 6

[illegible] [Mass transfer and heat-exchange in a two-phase boundary layer] in English], R. S. G. [illegible] Zh. prikl. mekh. i tekh. fiz., 1963, no. 2, 170-174

[illegible] [Experimental study of the effect of rotation on the heat and mass transfer between a disk and a flow in a [illegible] [with summary in English] by S. [illegible] Inzh.-fiz. zhur., 1963, 6, no. 8, 10-14

[illegible] [Mass transfer in an argon welding arc] G. B. [illegible] P. [illegible] Svarochnoe, 1963, no. 1, 1-5

[illegible] [Heat loads and mass transfer in a rotating-disk extractor] I. P. Nikaronov, A. M. Nikiforov, N. M. Zhavoronkov Trudy KNITI no. 30, 352-359 '62

Massoobmennoe soveshchanie po teplo- i massoobmenu, 1st, Minsk, 1961. [Heat and mass transfer] Teplo i massoperenos. Pod obshchei red. A. V. Lykova i B. M. Smol'skogo. Minsk, Izd-vo Akad. nauk BSSR,

Vol. 1. [Thermo[illegible] mat[illegible] Tep[illegible] i mas[illegible] [illegible] p.

Vol. 3. [Methods for calculating and modeling heat- and mass-transfer processes] Metody rascheta i modelirovaniia protsessov teplo- i massoobmena, 1963. 471 p.

MAST CELLS

Mast cells in various states of the organism. A. V. Vorobeva. Biul. eksp. biol. i med. 56, no. 7, 58-61 Jl '63

MASTOID PROCESS—SURGERY

Method of plastic surgery in large parotid defects following trepanation of the mastoid process. O. V. Minshii, M. N. Vagin[illegible]. Zhur. ush., nos. i gorl. bol. 23, no. 6, 30-31 N-D '63.

MATERIALS

Dmitrovich, A. M. [What a mechanic should know about metals and materials] Chto nuzhno znat' slesariu o metallakh i materialakh. Minsk, Gos. izd-vo BSSR, 1962. 156 p. (Biblioteka slesaria, no. 1)

Steel materials in the warehouse supply of the national economy. A. Agrec. Plan. khoz. 40, no. 10, 15-20 O '63.

MATERIALS—MATHEMATICAL MODELS

Quasi-one-dimensional problem of cutting of materials. G. P. Ispulian. Izv. vys. uchebn. zaved., Tekh. leg. prom., no. 4, 9-12 '63.

MATERIALS—THERMAL PROPERTIES

Seminar on the study of the thermophysical properties of materials at high temperatures. A. Veitsman. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo, no. 4, 175-176 Jl-Ag '63.

MATERIALS—THERMODYNAMIC PROPERTIES

Vsesoiuznoe soveshchanie po teplo- i massoobmenu, 1st, Minsk, 1961. [Heat and mass transfer] Teplo i massoperenos. Pod obshchei red. A. V. Lykova i B. M. Smol'skogo. Minsk, Izd-vo Akad. nauk BSSR,

Vol. 1. [Thermophysical characteristics of materials and methods for their determination] Teplofizicheskie kharakteristiki materialov i metody opredeleniia. 1962. 216 p.

Vol. 3. [Methods for calculating and modeling heat- and mass-transfer processes] Metody rascheta i modelirovaniia protsessov teplo- i massoobmena. 1963. 471 p.

MATERIALS AT HIGH TEMPERATURES

Effect of heat treatment on the properties and structure of articles made from kapron residues. E. I. Kapkova, L. S. Terletskaia, D. I. Riaboshtan. Plast. massy no. 6, 62-65 '63.

Research in the field of high-temperature thermophysics. V. S. Kirillin. Teplofiz. vys. temp. 1 no. 1, 3-7 Jl-Ag '63.

Seminar on the study of the thermophysical properties of materials at high temperatures. A. Veitsman. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo, no. 4, 175-176 Jl-Ag '63.

MATERIALS HANDLING

Loading of long rails. Iu. K. Sal'nikov. Put' i put. khoz., 7 no. 7, 8 '63.

Pan'kov, V. L., and V. P. Kuznetsov. [Steel arms] Stal'nye rukl. Tambov, Tambovskoe knizhnoe izd-vo, 1962. 16 p. (Bibliotechka novatora, no. 8)

MATERIALS HANDLING—ABSTRACTS

[Industrial transportation] Ref. zhur., Prom. transp. no. 10, 0 '63.

MATERIALS HANDLING—EQUIPMENT AND SUPPLIES

Bashmakov, A. M., and A. I. Kozlov. [Lifting-capacity limiter for jib cranes. Self-gripping catch for sheet materials] Ogranichitel' gruzopod"emnosti dlia strelovykh pod"emnykh kranov. Samozazhimnoi zakhvat dlia listovogo materiala. Leningrad, 1963. 17 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Mekhanicheskaia obrabotka metallov, no. 12)

Mechanization and advanced technology are the basis for a further increase of labor productivity in freight operations. V. N. Korotkov. Zhel. dor. transp. 45, no. 8, 25-31 Ag '63.

Overall mechanization of loading, unloading and storing operations. P. I. Danilin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. nauch. i tekh. inform., no. 3, 77-79 '63.

MATHEMATICAL ANALYSIS

Demidovich, B. P., I. A. Maron, and E. Z. Shuvalova. [Numerical methods of analysis; approximation of functions, differential and integral equations] Chislennye metody analiza; priblizhenie funktsii, differentsial'nye i integral'nye uravneniia. Pod red. B. P. Demidovicha. Izd. 2., ispr. i dop. Moskva, Fizmatgiz, 1963. 400 p.

MATHEMATICAL ANALYSIS—PROBLEMS, EXERCISES, ETC

Baranenkov, G. S., and others. [Problems and exercises in mathematical analysis] Zadachi i upraznenila po matematicheskomu analizu dlia vtuzov. Pod red. B. P. Demidovicha. Izd. 4., ispr. Moskva, Fizmatgiz, 1963. 472 p.

MATHEMATICAL INSTRUMENTS

Automatic correlators. Iu. N. Nikiforov. Nauch.-issl. trudy TSNIILV 16:138-150 '62.

MATHEMATICAL LINGUISTICS

Brief news. Mash. perev. i prikl. ling. no. 2:74-76 '59.

Objectives of applied linguistics in the light of the seven-year plan for the development of the national economy in the U. S. S. R. Mash. perev. i prikl. ling. no. 2:1-5 '59.

Processing prefixes during machine analysis of the Georgian language. A. P. Marchvelani, L. R. Tamarashvili, G. B. Chikoidze. Mash. perev. i prikl. ling. no. 2, 45-57 '59.

MATHEMATICAL MODELS

Including the method of the [illegible] modeling in the [illegible] and [illegible] fields of [illegible] knowledge. Vest. [illegible] 8 '63.

MATHEMATICAL RECREATIONS

Answers to problems. Nauka i zhizn' 30:111-112 [illegible] '63.

MATHEMATICAL SOCIETIES [illegible] Moscow

MATHEMATICAL STATISTICS

Evaluation of the [illegible] variable [illegible] theoretical determination [illegible] probability [illegible] Dokl. AN Belor. SSR, 7 no. 8, 503-506 '63.

Use of methods of mathematical [illegible] [illegible] geophysics. O. A. Dzerdzeevskii. [illegible] 195-199 '63.

Using the statistical method in [illegible] bility problems for shells. [illegible] 3 no. 1:188-196 '63.

MATHEMATICS

(see also subdivision under Kharkov)

Candidates' dissertations. N. I. Mat. [illegible] nauk 18, no. 3, 251-253 My-Je '63.

[Mathematics; translations of four [illegible] matika; perevod. zhurn., perevy. knigi], 2 '63.

Natanson, I. P. [Short course of higher [illegible] Kratkii kurs vysshei matematiki. M. 1963. 740 p.

Study on the knowledge of mathematics in Russia and the [illegible] Izd.-mat. biur. 1:48-49 '63.

MATHEMATICS—ABSTRACTS

[Mathematics] Ref. zhur., Mat. no. 5 [illegible]

MATHEMATICS—EARLY WORKS [illegible]

Brief review of the development of [illegible] Czech terms during the period from [illegible] Bhela Gona to the end of the 17th century from the Lunchi]. O. Vetter. Ist.-mat. [illegible] 191-210 '63.

Sources of L. Mahnitskii's "Arithmetic" to Russian mathematical manuscripts [illegible] tury. K. I. Shevtsov. Izd. mat. [illegible]

MATHEMATICS—PHILOSOPHY

Role of mathematical abstractions in [illegible] truth. I. M. Pinkman. [illegible] 7:119-128 '60.

MATHEMATICS—PROBLEMS, EXERCISES, ETC

Krutikovskii, N. N. [Collection of problems for preparation for entrance examinations in mathematics] Sbornik zadach po matematike dlia podgotovki k ekzamenam. Izd. 2., pererab. Tomsk, Izd-vo Tomsk. [illegible], 1963. 71 p.

Mathematical Olympiad. N. Ros. [illegible] no. 9, 61-65 '63.

Mathematical problems. Nauka i [illegible] 11 '63.

Petrakov, A. G., comp. [Mathematics [illegible] on the entrance examinations to the Mining and Engineering Institute] Zadachi po matematike, predlagavshiesia na priemnykh ispytaniiakh v Moskovskii, Izd-vo Mosk. inzhenerno [illegible] 1963. 46 p.

[Mil [illegible]

MATHEMATICS—RESEARCH [illegible] Odessa

MATHEMATICS—STUDY AND TEACHING (see also subdivision under Leningrad)

Dakaeian, U. V. [Testing students' knowledge in mathematics] Proverka znanii uchashchikhsia po matematike. Moskva, Izd-vo APN RSFSR, 1961. 87 p. (Shkol'naia biblioteka uchitelia)

Reorganization of mathematical education in schools. N. A. Menchinskaia, M. I. Skatkin. 27 no. 8, 121-132 Ag '63.

Some means of improving the student knowledge of mathematics. B. B. Grinevych. Rad. shk. 4, no. 5, 41-45 My '63.

We train future mathematicians. B. V. Bulgakov, P. V. Chaikovskyi. Rad. shk. 12 no. 9, 76-[illegible]

MATHEMATICS, ANCIENT

Ancient mathematics in the early years of [illegible] Bashmakova. Ist.-mat. issl. no. 14, 421-[illegible]

Interpretation of geometric constants from [illegible] cuneiform list No. 1. A. A. Vaĭman. Vest. [illegible] no. 1, 75-86 '63.

MATHEMATICS, BABYLONIAN

Land surveying problems in Babylonian [illegible] Raxdimakin. Ist.-mat. issl. 15, 75-85 '63.

MATHEMATICS, CHINESE

Calculation of certain volumes as presented in the ancient Chinese treatise "Mathematics in nine books." A. P. Rak Ist.-mat. issl. no. 14 467-472 '61.

MATRICES

Calculation of the matrix elements of scalar particles. A. A. Bogush. Dokl. AN BSSR 7 no. 8:520-523 Ag '63.

Study of an S-matrix in a complex space of angular momenta in the quasi-classical case [with summary in English]. A. Z. Patashinskii, V. L. Pokrovskii, I. M. Khalatnikov. Zhur. eksp. i teor. fiz. 45 no. 3:760-771 S '63.

MATTER

Correlation between the forms of motion and the categories of matter in nature [; 5th summary in English, p. 185-186]. E. G. Solopov. Vop. filos. 17 no. 8 143-154 '63.

MATTER—PROPERTIES

Some data of modern physics in the light of V. I. Lenin's theory of the indestructibility of matter. I. D. Miroshnichenko. Nauch. zap. Zaporozh. gos. ped. inst. 7 105-118 '58.

Types of reflection as the properties of matter. V. I. Kremianskii. Vop. filos. 17 no. 8:131-142 '63.

MAULDING, REGINALD, 1917-

Reginald Maulding. G. Delnichenko Mir. ekon. i mezhdunar. otn. no. 9 133-141 '63.

MAURITIUS—TOURISTS, RUSSIAN

When the truth hurts, against misinformation and slander. Yu. Pochkarev. Nov. vrem. 21 no. 12:19-20 O '63.

MAXILLARY SINUS—DISEASES

Physical methods of treating chronical highmoritis in children. L. A. Shakhmovich. Med. sestra 22 no. 8 50-51 Ag '63.

MAY DAY (LABOR HOLIDAY)
(see also subdivision under Dnepropetrovsk)

"May Day." Reviewed by N. Aleksandrova. Semlia i shkola 18 no. 5:33-34 My '63.

MAZUT

Characteristics of modern combustion chambers on ships for burning mazut. M. I. Sidorov. Inform. sbor. TsNIIMF no. 44. Tekh. ekspl. mor. flota no. 2 66-71 '59.

Liando, I. M. [Burning of fuel mazut and gas in industrial boilers] Szhiganie topochnogo mazuta i gaza v promyshlennykh kotel'nykh. Moskva, Gos. energ. izd-vo, 1963. 206 p.

Use on ships of the mechanical atomizing system in the burning of highly viscous M80-100 mazuts. V. V. Maslov. Inform. sbor. TsNIIMF no. 44. Tekh. ekspl. mor. flota no. 2,55-65 '59.

MEASLES VIRUSES

Direct isolation of the measles virus in monostratal cultures of guinea pig kidney tissue and chicken embryo fibroblasts [with summary in English]. L. Iu. Panos Vop. virus. 8 no. 3:316-322 My-Je '63.

Thermostability of measles virus [with summary in English]. Iu. N. Mastiukova, N. G. Saraeva, B. I. Blarkov. Vop. virus. 8 no. 3:322-324 My-Je '63.

MEASURING INSTRUMENTS

Airplane apparatus for measuring the vector of wind. L. A. Pokhomov. Trudy TsAO no. 41:91-105 '62.

Apparatus for measuring radial pressure diagrams of a piston ring. M. S. Rozovskii, O. P. Fedosov. Trakht. i sel'khozmash. 33 no. 8 38-41 S '63.

Applying the conceptions of the information theory to the design measuring equipment. B. G. Kadub. Izm. tekh. no. 8:5-6 Ag '63.

Automatic meter for calculating the volume of round lumber. B. V. Berov, IA. S. Shekhter. Les. prom. 40 no. 9:12-15 S '62.

Kinematic check of the cam profile. V. M. Pestunov. Mashinostroitel' no. 9:35 S '63.

Measures and measuring instruments approved by the committee on the basis of the results of their official testing and permitted to be used in the U. S. S. R. Izm. tekh. no. 5:63-64 My '63.

Measures and measuring instruments approved by the State Committee on the basis of their official testing and permitted to be used in the U. S. S. R. Izm. tekh. no. 8:58-62 Ag '63.

Measuring the circularity of center holes. G. S. Birukov. Izm. tekh. no. 8:21-22 Ag '63.

More extensive use of measuring instruments and automatic controllers for checking dimensions. E. R. Dvoretskii. Mashinostroitel' no. 9:5-7 S '63.

MEASURING INSTRUMENTS—MODELS

Model for showing the measurement of the cutting angle. I. F. Sakharchuk. Shkola i proizv. 7 no. 9,87-88 S '63.

MEASURING INSTRUMENTS—TESTING

Changes in the regulations 1-60 and 2-62. L. A. Kingi. Izm. tekh. no. 8:63-64 Ag '63.

Compressor and vacuum system for feeding standard units. Izm. tekh. no. 8:37 Ag '63.

New regulations for testing measures and measuring instruments. Izm. tekh. no. 8:62-63 Ag '63.

MEAT
(see also subdivision under Uzbekistan)

Almazov, A. M., L. M. Gorbeev, and E. B. Fel'dman. [Commercial study of meat and fish merchandise and techniques for their marketing] Tovarovedenie miasnykh i rybnykh tovarov i tekhnika torgovli. Izd. 2, dop. i perer. Moskva, Gostorgizdat, 1963. 303 p.

MEAT—PRESERVATION

Review and bibliography. F. Babin. Mias. ind. SSSR 34 no. 4 62-63 '63.

MEAT—TESTING

Effect of the post-mortem changes in meat on its keeping quality. A. Sokolov, M. S. el'-Dashluti. Mias. ind. SSSR 34 no. 1 51-52 '63.

MEAT, FROZEN

Thawing of frozen meat in a vapor-air medium. V. Korolev, V. Safonov. Mias. ind. SSSR 34 no. 4 24-26 '63.

MEAT INDUSTRY
(see also subdivision under Moldavia, Naryn, Tien Shan, Soviet Central Asia)

Construction of sheep slaughter houses is one of the means for production specialization. M. Vil'chek, L. Umanets. Mias. ind. SSSR 34 no. 1 41-45 '63.

Akovlev, K. K., and G. S. Lazarovich. [Analyzing the economic activities of meat and dairy industry enterprises] Analiz khoziaistvennoi deiatel'nosti predpriiatii miasnoi i molochnoi promyshlennosti. Moskva, Pishchepromizdat, 1963. 173 p.

Let's improve the ideological work. Mias. ind. SSSR 34 no. 4,1-3 '63.

Meat industry in the first half of 1963. K. Kornev. Mias. ind. SSSR 34 no. 4 43-44 '63.

Preparation of cattle for mass processing. L. Gutman, T. Aleksandrova. Mias. ind. SSSR 34 no. 4:4-5 '63.

Principle of similarity for the production lines processing large beef cattle. V. Anufriev, R. Esentaeva. Mias. ind. SSSR 34 no. 1:54-56 '63.

MEAT INDUSTRY—BY-PRODUCTS

Complete utilization of endocrine enzymes raw materials. N. Belen'kii. Mias. ind. SSSR 34 no. 4 6-11 '63.

Factors affecting the yield of endocrine enzymes and special raw materials. E. Kuzenko. Mias. ind. SSSR 34 no. 4:11-15 '63.

Moscow. Tsentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Testing of new equipment for the production of dry feeds] Ispytaniia novogo oborudovaniia dlia proizvodstva sukhikh kormov. Moskva, 1962. 30 p. (Tekhnicheskaia informatsiia) [MICROFILM]

On methods for the utilization of endocrine enzymes raw materials. D. Kholevenkov. Mias. ind. SSSR 34 no. 4:17-18 '63.

Quality of the pancreas. F. Giller, A. Kravtsova. Mias. ind. SSSR 34 no. 4:56-58 '63.

MEAT INDUSTRY—EQUIPMENT AND SUPPLIES

Device for bending the blades of a screw expeller. F. Lugovykh. Mias. ind. SSSR 34 no. 4:49-50 '63.

Improved feeding unit of the FShM-2 lardon cutter. T. Ushchenko. Mias. ind. SSSR 34 no. 4 47 '63.

Kashirina, V. M., A. K. Apriaksina, and R. M. Ivanova. [New equipment in the meat industry] Novoe oborudovanie v miasnoi promyshlennosti, po materialam tematicheskoi vystavki na VDNKh SSSR. Moskva, TSentr. in-t nauchno-tekhn. informatsii po pishchevoi promyshl., 1963. 112 p. (Tekhnicheskaia informatsiia) [MICROFILM]

Simplified drive for the "Ideal 168A" proportioner-stuffer. O. Nebogatov, V. Nedodaev. Mias. ind. SSSR 34 no. 4: 46-47 '63.

MEAT INSPECTION
(see also subdivision under Georgia)

Improvement of the method of trichinoscopy. A. S. Beasonov. Veterinariia 39 no. 9:62-65 S '62.

Simple method for trichinoscopy of pork [with summary in English]. O. V. Rybaltovskii, P. A. Vladimirova. Veterinariia 39 no. 9:66-67 S '62.

Veterinary and sanitary inspection of meat and the hygiene of local slaughterhouses. T. S. Sumtsova. Veterinariia 39 no. 9:83-86 S '62.

"Veterinary sanitary expertise with basic principles of the technology of animal products" by Kh. S. Goreglliada, V. P. Korniazhnova and IA. P. Shlipakova. A book review. Veterinariia 39 no. 11 83-86 N '62.

MECHANICAL DRAWING

Goncharov, G. I. [Drawing threaded parts and joints] Vycherchivanie rez'bovykh detalei i soedinenii, uchebnoe posobie. Leningrad, Leningr. elektrotekhnicheskii in-t, 1962. 62 p.

Indication of requirements for symmetric layout of elements. Z. D. Zak. Standartizatsiia 27 no. 9:50-52 S '63.

Zelenin, E. V. [Elementary manual on mechanical drawing] Elementarnyi spravochnik po chercheniiu. Moskva, Fizmatgiz, 1963. 254 p.

MECHANICAL ENGINEERING—HANDBOOKS, MANUALS, ETC.

Improve the quality of manuals for technicians in the machinery industry. P. N. Rekudanov. Mashinostroitel' no. 9 17-18 S '63.

MECHANICAL ENGINEERING—PROBLEMS, EXERCISES, ETC.

IUdin, V. A., and G. A. Baranov. [Collection of problems and examples in the theory of mechanisms and machines] Sbornik zadach i primerov po teorii mekhanizmov i mashin. [n. p.] Rostvizdat, 1963. 282 p.

Pozdniakov, S. N. [Collection of problems on machine parts] Sbornik zadach po detaliam mashin, uchebnoe posobie. Moskva, Mosk. vysshee tekhn. uchilishche, 1961. 1v.

MECHANICAL DRAWING—STUDY AND TEACHING

Botvinnikov, A. D., I. A. Roitman, and G. A. Anokhin. [Teaching the reading of mechanical drawings during the vocational training of students] Obuchenie chteniiu chertezhei v protsesse professional'noi podgotovki uchashchikhsia. Moskva, Izd-vo APN RSFSR, 1962. 172 p.

MECHANICAL ENGINEERING—RESEARCH

Main trends of technical progress; materials of the expert committee of the Higher Certification Commission on Mechanical Engineering. G. A. Nikolaev, D. N. Reshetov. Vest. vys. shkoly 21 no. 9 40-46 S '63.

MECHANICAL FANS see Fans, Mechanical

MECHANICAL WEAR

Allowable wear of a hoisting cable in the fastening section. I. F. Liutkevich. Trudy NPI 137 55-61 '62.

Factors having an effect on the wear of babbitt bearings and mating steel parts. G. V. Likhnitskii, K. T. Sasskii. Metalloved. i term. obr. met. no. 9 59-60 S '63.

Relation between the time of wearing of the working wheels of pumps with identical rates of speed and the number and speed of rotation of the shaft. A. I. Borokhovich. Izv. vys. ucheb. zav., gor. zhur. 6 no. 3 111-113 '63.

Wear of tricone bits in turbodrilling in the Zyrya area. N. M. Dzhalilov and others. Azerb. neft. khoz. 42 no. 1 18-20 Ja '63.

MECHANICAL WEAR—MEASUREMENT

Use of scintillation counters in the radioisotope method of measuring the wear of toothed wheels. L. I. Tishchenko. Mekh. i avtom. v gor. prom. no. 9 128-140 '63.

MECHANICS

Entry of a cone into a liquid layer [with summary in English]. V. A. Ehoshin. Vest. Mosk. un. Ser. 1 Mat., mekh. 18 no. 5 53-59 S-O '63.

Inversion of Routh's theorem. Van Chzhao-lin [Wang Chao-ling]. Prikl. mat. i mekh. 27 no. 5,890-893 S-O '63.

Liapunov, A. M. [Investigation of a particular case of the problem of stability of motion] Issledovanie odnogo iz osobennykh sluchaev zadachi o ustoichivosti dvizheniia. [Leningrad] Izd-vo Leningr. univ., 1963. 115 p.

Limit equilibrium of a grainy medium near a round stamp. S. IU. Karinskii. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2,128-137 '63.

[Mechanics; translations of foreign articles] Mekhanika; period. sbor. perev. inost. st. 14 no. 5 '63.

Motion of a deformed body in an acoustic medium. L. I. Slepian. Prikl. mat. i mekh. 27 no. 5:910-923 S-O '63.

Motion of a solid body of variable mass with a single fixed point. V. A. Sapa, IU. P. Tratsevskaia. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2,138-160 '63.

Problem of the rotation of a solid body around a fixed point and the role of Russian scientists in developing this theory. B. N. Fradlin. Ist.-mat. sbir. 3:105-115 '62.

MECHANICS—AUDIO-VISUAL AIDS

Visual aids in teaching theoretical mechanics. B. I. Turbin, B. Z. Shepelev. Vest. vys. shkoly 21 no. 9 72-73 S '63.

MECHANICS (PERSONS)

"Manual for the bakery mechanic" by A. A. Mikhelev. Reviewed by S. Brikman, V. Efimova. Khleb. i kond. prom. 7 no. 6:42-43 Je '63.

MECHANICS, APPLIED

Application of the method of moment focal ratios for the calculation of round continuous rings. M. S. Glikina. Trudy NPI 136:63-72 '63.

Problem of the convergence and comparative characteristics of the method of mixed matrices and the method of elastic loads. A. Kh. Vatul'ian. Trudy NPI 136:97-109 '63.

MECHANISMS

IUdin, V. A. [Design of kinematic systems of mechanisms] Proektirovanie kinematicheskikh skhem mekhanizmov; kratkoe rukovodstvo k proektirovaniiu po kursu teorii mekhanizmov i mashin. Moskva, Izd-vo "Iskusstvo," 1963. 215 p.

MECHANISMS (Continued)

Kulovskii, F. M. [Theory of flat mechanisms with flexible links] Teoriia ploskikh mekhanizmov s gibkimi zven'iami. Moskva, Mashgiz, 1963. 203 p.

Synthesis of transmission lever mechanisms. B. N. Pavlenskii. Izv. vys. ucheb. zav., mashinostr. no. 6: 58-66 '63.

MECHANIZATION, MILITARY

Man and technology in military affairs. G. Pokrovskii. Voen. znan. 39 no. 6: 23-24 S '63.

MEDIASTINUM—DISEASES

Changes in the esophagus in chronic mediastinitis [with summary in English]. E. M. Kagan and others. Vest. rentg. i rad. 38 no. 1: 5-10 Ja-F '63.

MEDIASTINUM—HYDATIDS

Echinococcosis of the mediastinum. L. S. Kotiger. Grud. khir. 5 no. 6: 101-102. N-D '62.

MEDICAL ASSISTANCE, RUSSIAN see subdivision under Algeria, Ethiopia

MEDICAL CARE see subdivision under Frunze

MEDICAL CENTERS

Evaluation of the organizational expediency of medical care for the urban population by means of medical centers located directly in the residential sections. I. A. Bobokhodzhaev. Zdrav. Ros. Feder. 7 no. 8: 17-21 Ag '63.

MEDICAL CLIMATOLOGY see Climatology, Medical

MEDICAL ELECTRONICS

Use of radio frequencies for industrial and medical purposes. P. I. Maksimenko, Iu. S. Polianskii. Radiotekhnika 18 no. 7: 60-65 Jl '63.

MEDICAL ETHICS

Ethics and the thinking of the Soviet medical worker. D. I. Pivnev. Med. sestra 22 no. 6: 3-7 S '63.

MEDICAL INSTRUMENTS AND APPARATUS

Rarefaction of the air in the external acoustic meatus and its diagnostic importance in otosclerosis. N. S. Ioffe. Zhur. ush., nos. i gorl. bol. 24 no. 4: 87-89 Jl-Ag '63.

MEDICAL JURISPRUDENCE

Intravital and postmortem diagnosis of poisonings by anticholinesterase substances; survey of the literature. I. A. Smusin, N. K. Tumanov. Sud.-med. ekspert. 6 no. 3: 28-31 Jl-S '63.

Review of A. K. Tumanov's book "Medicolegal examination of material evidence." B. D. Tverdokhlebov. Sud.-med. ekspert. 6 no. 3: 58-59 Jl-S '63.

Review of V. A. Baltikin's book "Toxicology and expertise of alcoholic intoxication." Iu. A. Grinberg, V. N. Bokarius. Sud.-med. ekspert. 6 no. 3: 59-61 Jl-S '63.

Smol'ianinov, V. M., K. I. Tatiev, and V. F. Chervakov. [Forensic medicine] Sudebnaia meditsina. Izd. 3., ispr. i dop. Moskva, Medgiz, 457 p.
(DNLM)

Tomilin, V. V. [Physiology, pathology and medicolegal expertise on hand writing, on medicolegal identification of persons by their handwriting] Fiziologiia, patologiia i sudebnomeditsinskaia ekspertiza pis'ma, k sudebno-meditsinskomu otozhdestvleniiu lichnosti po rukopisnomu tekstu. Moskva, Medgiz, 1963. 234 p.

MEDICAL MICROBIOLOGY

Electron microscopic study of morphological changes in Escherichia coli and Bacillus anthracoides following the action of some phenol preparations. L. F. Skvortsova, N. P. Lukhacheva. Zhur. mikrobiol., epid. i immun. 40 no. 1: 88-91 '63.

MEDICAL MICROSCOPY see Microscopy, Medical

MEDICAL PERSONNEL
(see also subdivision under Chelyabinsk)

Fundamental indicators of the growth of medical personnel in public health agencies and institutions of the R. S. F. S. R. at the beginning of 1963 (continuation). V. N. Ivakina. Zdrav. Ros. Feder. 7 no. 9: 37-40 S '63.

June Plenum of the Central Committee of the CPSU and the role of medical workers in the implementation of its decisions. S. IA. Chikin. Zdrav. Ros. Feder. 7 no. 8: 3-6 Ag '63.

Legal consultation. A. V. Rott. Vrach. delo no. 7: 157-158 Jl '63.

Legal consultation. Vrach. delo no. 9: 158-159 S '63.

New stage in the improvement of the qualifications of leading personnel of the public health service. E. M. Barkman. Zdrav. Ros. Feder. 7 no. 9: 29-31 S '63.

MEDICAL RADIOLOGY see Radiology, Medical

MEDICAL RESEARCH see subdivision under Moscow

MEDICAL SOCIAL WORK
(see also subdivision under Buturlino, Gorkiy Province)

It will be carried out. V. Pokhvalin. Sov. Kras. krest. 13 no. 2: 8 Mr-Ap '63.

Let's serve the people. G. A. Miterev. Sov. Kras. krest. 13 no. 2: 4-6 Mr-Ap '63.

MEDICAL STATISTICS

Degree of accuracy in medical registration of the cause of death. V. A. Bystrova, V. P. Rusakova. Zdrav. Ros. Feder. 7 no. 9: 33-37 S '63.

On the discussion of a methodological letter. A. M. Khamitova, M. S. Bednyi, N. Mudrev. Zdrav. Ros. Feder. 7 no. 9: 43-44 S '63.

MEDICAL TESTS

Significance of Kunkel's phenol test for the diagnosis of atherosclerosis [with summary in English]. V. P. Medvedev. Terap. arkh. 35 no. 2: 60-66 F '63.

MEDICINE

Shvarts, A. L. [Code of life] Shifr zhizni. Moskva, Detgiz, 1963. 205 p.
(DNLM)

MEDICINE—BIBLIOGRAPHY see Bibliography—Medicine

MEDICINE—FORMULAE, RECEIPTS, PRESCRIPTIONS

"Manual of pharmacotherapy" by A. I. Cherkes, V. F. Mel'nikova. Reviewed by M. D. Tarakhovskii, A. K. Merzon. Vrach. delo no. 7: 151 Jl '63.

MEDICINE—PERIODICALS see subdivision under Germany, East

MEDICINE—STUDY AND TEACHING
(see also subdivision under Ukraine)

Grigorenko, R. V., V. G. Koshaeva, and E. G. Shaverdian. [Reader on medicine for foreign students] Kniga dlia chteniia po meditsine dlia studentov inostrantsev, uchebnoe posobie. Obshchaia red. R. V. Grigorenko. Moskva, Medgiz, 1963. 303 p.

Shabanov, F. V., and A. D. Lvdokimova. [Methodological manual in the conduction of practical work on tuberculosis in medical institutes] Metodicheskoe posobie k provedeniiu prakticheskikh zaniatii po tuberkulezu v meditsinskikh institutakh. Moskva, Medgiz, 1963. 154 p.
(DNLM)

MEDICINE, EXPERIMENTAL

Maiskii, I. N. [Experimental genetics and medicine] Eksperimental'naia genetika i meditsina. Moskva, Izd-vo "Znanie," 1963. 30 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia. Biologiia i meditsina, no. 18)

MEDICINE, INDUSTRIAL
(see also subdivision under Chelyabinsk; Donets Basin, Latvia)

Reduce morbidity and industrial accidents. G. Simonenko. Sov. profsoiuzy 19 no. 16: 42-43 Ag '63.

Ukrainskii nauchno-issledovatel'skii institut klinicheskoi meditsiny imeni akademika N. D. Strazhesko. [Current problems of internal medicine and their elaboration by the school of N. D. Strazhesko] Aktual'nye problemy vnutrennei meditsiny i razrabotka ikh shkoloi N. D. Strazhesko. Pod red. A. L. Mikhneva, i K. F. Duplenko. Kiev, Gosmedizdat USSR, 1963. 298 p.
(DNLM)

MEDICINE, POPULAR see subdivision under Kazakhstan

MEDICINE, RURAL see subdivision under Kalinin Province, Lithuania; Soroki District

MEDIEVAL EDUCATION see Education, Medieval

MEGRI—ROCKS, IGNEOUS

Use of the Rb - Sr method in determining the absolute age of recent intrusives as exemplified by the Megri plutonic rocks of the Armenian S. S. R. R. Kh. Gukasian. Dokl. Akad. Nauk Arm. SSR 36 no. 3: 173-178 '63.

MEGRI DISTRICT—CHRYSOBERYL

Find of accessory chrysoberyl in the alkali pegmatites of Megri District. B. M. Melikgetian. Zap. Arm. otd. Vses. min. ob-va no. 2: 163-166 '63.

MEGRI DISTRICT—PEGMATITES

Find of accessory chrysoberyl in the alkali pegmatites of Megri District. B. M. Melikgetian. Zap. Arm. otd. Vses. min. ob-va no. 2: 163-166 '63.

MEGRI DISTRICT—ROCKS, IGENOUS—ANALYSIS

Minerogeochemical properties of alkali rocks in the Megri pluton. B. M. Melikgetian. Zap. Arm. otd. Vses. min. ob-va no. 2: 57-66 '63.

MEISSEN PORCELAIN see subdivision under Germany, East

MELANOMA

Metastatic melanoma in the stomach. G. O. Grigorian. Vest. rent. i rad. 38 no. 1: 68-69 Ja-F '63.

MELIK-OGANZHANIAN, KARAPET, 1903-

An outstanding student of Armenian literature [in Armenian with summary in Russian]. A. T. Galanianian. Ist.-filol. zhur. no. 2: 57-70 '63.

MELODY

Tikhomirov, G. V. [Melody and accompaniment] Melodiia i akkompanement. Moskva, Sovetskii kompozitor, 1963. 28 p. (Besedy s samodeiatel'nymi kompozitorami, no. 1)

MELONS see subdivision under Azerbaijan

MELTING

Evaluating the time of the relaxation of the rate of melting of glassy materials. E. M. Shakhov. Izv. vys. ucheb. zav.; fiz. no. 3: 518-524 '63.

Theory of fusion. I. P. Baranov. Vest. Mosk. un-ta, ser. 3: Fiz., astron. 18 no. 3: 18-25 My-Je '63.

MELTING POINTS

Equations for fusibility curves of simplest binary systems. Report No. 2. A. N. Kirgintsev, L. G. Lyubimova. Izv. SO AN SSSR no. 7, Ser. khim. nauk no. 3: 8-10 '63.

MENA DISTRICT—POLITICS AND GOVERNMENT

Life and work go one after the other. I. Tesiun. Sov. deput. trud. no. 6: 32-38 Je '63.

MENADKEVICH, E. A.

The 80th birthday of a historian of Ukrainian literature, IF. M. Kuduryavtsev. Rad. lit. 7 no. 5: 158-160 '63.

MENIERE'S DISEASE

Function of the vestibular analyser in Meniere's disease [with summary in English]. V. S. Oliferov. Zhur. nevr. i psikh. im. S. S. Korsakova 63 no. 1: 33-41 Jl-Ag '63.

MENINGES—TUBERCULOSIS

Evaluation of different methods of treatment of tuberculous meningitis in children and their effect on the nature of further complications. V. S. Sokolenko. Zdrav. Kazakh. 24 no. 2: 34-36 '63.

MENINGITIS

A case of brucellar etiology of meningitis. N. I. Ivanov. Zdrav. Kazakh. 24 no. 2: 73-74 '63.

Case of rapidly progressing otogenous meningitis in nonperforative acute otitis. N. I. Naimagon. Zhur. ush., nos. i gorl. bol. 23 no. 1: 80-81 Jl-Ag '63.

Characteristics of physiological functions of dully responsive patients recovered from meningitis [with summary in English]. E. N. Domontovich, L. N. Pivovarova. Vrach. delo no. 7: 70-83 Jl '63.

MENNONITES

Mennonites. P. Evin. Nauka i rel. 5 no. 7: 71-75 Jl '63.

MENSTRUATION

Changes in the mucous membrane of the phagocytic type in the menstrual cycle [with summary in English]. I. F. Tkeshelashvili. Zhur. ush., nos. i gorl. bol. 23 no. 4: 63-65 Jl-Ag '63.

MENSURATION
(see also subdivision under France)

Basic problems in modern metrology. V. O. Arutiunov. Izm. tekh. no. 8: 62-63 My '63.

Consultations. Izm. tekh. no. 5: 62-63 My '63.

Graphoanalytic determination of the mean square of the methodical error in discrete measurement. L. M. Sverbrot. Izm. tekh. no. 8: 6-10 Ag '63.

Limit of attainable precision by automatic statistical processing of the results of multiple measurements. P. V. Novitskii. Izm. tekh. no. 5: 1-6 My '63.

MENTAL DISCIPLINE

Intellectual work. N. Chukmasova. Nauka i zhizn' 30 no. 7: 50-51 Jl '63.

MERCHANT MARINE

The first assistant. Arkadii Sablin. Part. zhizn' no. 19: 59-68 O '63.

Follow-up of published materials. Mor. flot 23 no. 10: 46 O '63.

Following the initiative of the "Kara" seamen. Mor. flot 23 no. 10: 15 O '63.

Let the "Communist Youth League searchlight" be brighter in the merchant marine. Mor. flot 23 no. 9: 9 O '63.

Make wide use of economic analysis. B. Gurevich, V. Volkov. Mor. flot 23 no. 10: 17 O '63.

Monograph devoted to the complex organization of fleet and harbor operations. G. Gurevich. Mor. flot 23 no. 10: 41 O '63.

Protecting the interests of the state. Mor. flot 23 no. 10: 9 O '63.

Victorious stride of the October Revolution. Mor. flot 23 no. 10: 1-2 O '63.

Vigilant eyes of volunteer controllers. N. Karelin. Mor. flot 23 no. 10: 8-9 O '63.

With the help of volunteer inspectors. Mor. flot 23 no. 10: 45 O '63.

MERCHANT MARINE—PASSENGER TRAFFIC

Economic efficiency in speeding up passenger traffic. A. Gurevich. Rech. transp. 22 no. 8: 8-9 S '63.

International Convention for the Unification of Certain Rules Concerning the Transportation of Passengers by Sea, 1961. Inform. sbor. TSNIIMF no. 72: Mor. pravo i prak. no. 16: 30-36 '62.

MERCHANT SEAMEN

"Special ranks of merchant seamen," a supplement to the proposed code of maritime law. Inform. sbor. TSNIIMF no. 49: Mor. pravo i prak. no. 9: 51-55 '60.

METALLURGICAL PLANTS
(...) Metallurgy)

METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION

METALLURGICAL PLANTS—EQUIPMENT AND SUPPLIES

Metallurgical repair of the mechanical equipment of ore plants] Opyt stroitel'stva i remonta ... Sverdlovsk, Metallurgizdat, 1963. 251 p.

METALLURGICAL PLANTS—SAFETY MEASURES

METALLURGICAL RESEARCH

... Metallovedenie i termich. obr. met. ... 1963.

METALLURGY

... Metallurgiya, 1963. 46 p. (Novoe v zhizni, nauke, tekhnike. IV Seriya Tekhnika, no. 17)

Metallurgy] [The path of metallurgy] Put' metallurgii. Moskva, Znanie, 1963. 46 p. (Novoe v zhizni, nauke, tekhnike. IV Seriya Tekhnika, no. 17)

... [Brief course on the technology of metals] Kratkii kurs tekhnologii metallov. Izd. 4., ... Moskva, Mashgiz, 1963. 368 p.

METALLURGY—ABSTRACTS

[Metallurgy] Ref. zhur. Met., no. 10. O '63.

METALLURGY—STUDY AND TEACHING

... Metallurgicheskie materialy. L'vov, 1962. 30 p. Il. 1963.

METALS

Dmitrenko, A. M. [What a mechanic should know about metals and materials] Chto nuzhno znat' slesariu o metallakh i materialakh. Minsk, Gos. izd-vo BSSR, 1962. 156 p. (Bibliotechka slesarya, no. 1)

METALS—ANALYSIS

Chromatography of heavy metals on silica gel. V. P. Bu'nov, V. B. Aleskovskii. Zhur. neorg. khim. 8, no. 9, 1964-2067. S '63.

... of traces of thorium from rare-earth elements, iron, and aluminum on an anion exchange ... V. A. Nazarenko, E. V. ..., E. N. Pobedimova. Radiokhimiia 5, no. 4, 497-499. '63.

... of polycharge resins as aqueous phase carriers in ... chromatography. Separation of Zn, Cd, and ... I. N. Rezhnova, ... Radiokhimiia 5, no. 3, 299-304. '63.

METALS—BIBLIOGRAPHY see Bibliography—Metals

METALS—FATIGUE

Theory of fatigue of metals. N. S. Atuchin, A. IA. Kulik. ... SSSR 7, no. 3, 535-539. Ag '63.

METALS—FATIGUE—TESTING

Methods for statistical processing of the results of a small number of fatigue tests. R. M. Chaiylian. Izv. ... zav. Mashinostr. no. 6, 95-101. '63.

METALS—FINISHING

Finishing and strengthening machining of holes of unequal strength by plastic deformation. G. M. Azarevich, V. I. ... Trakt. i sel'khozmash. 33, no. 4, 37-40. Ap '63.

METALS—HARDENING

Determining the curves of metal hardening by compression. D. I. Sutarov and others. Trudy Inst. met. UFAN SSSR, no. 9, 5-11. '62.

METALS—HEAT TREATMENT

... the Exhibition of the Achievements of the National Economy of the U. S. S. R. G. I. Bashnyakova. Metallovedenie i termich. obr. met., no. 10, 23-31. O '63.

... the introduction of new equipment in the Experimental Research Institute for the Machinery Industry. L. N. Bronnitskii. Metallovedenie i termich. obr. met., no. 9, 60-61. S '63.

... press for hardening friction disks. V. A. ... Mashino-traktorn. ... no. 8, 17. Ag '63.

METALS—PATENTS—BIBLIOGRAPHY see Bibliography—Metals—Patents

METALS—SPECTRA

Anomalous excitation of metals in the flames and vapors of certain organic compounds. V. F. Zhitkevich and others. Opt. i spektr. 15, no. 3, 405-412. S '63.

METALS—WELDING

All-Union Conference on the welding of dissimilar metals. V. R. Rishon. Avtom. svar. 16, no. 9, 85-86. S '63.

METALS, EFFECT OF TEMPERATURE ON

... dependence of the hardness of titanium-tungsten-cobalt hard alloys on temperature [with summary in English] ... B. Platov. Poroshk. met. 3, no. 4, 67-73. Jl.-Ag. '63.

... effect of temperature and the rate of tensioning on the ... properties and mechanism of deformation of iron-nickel alloys with 30% Ni. M. G. Lozinskii, N. Z. Pertsovskii. Metalloved. i termich. obr. met., no. 9, 37-43. S '63.

... naphtalenelike fracture of high-speed steel. A. P. Gulyaev, R. P. Leshchinskaia. Metalloved. i termich. obr. met., no. 9, 22-27. S '63.

Thermodynamic conditions for the interaction between nitrogen on one hand and silicon and aluminum on the other, in transformer steel. V. V. Averin, G. A. Garnyk, A. M. Samarin. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo, no. 2, 10-16. Mr.-Ap. '63.

METALS, RARE AND MINOR

Characteristics of the distribution of the rare-metal mineralization. A. A. Flotov. Geol. mest. red. elem., no. 17, 125-133. '62.

... fraction zone melting of high-melting rare metals. O. P. Kolchin, L. K. Burlin, N. V. Pryanchnikova. Tsvet. met., 36, no. 10, 1050-65. S '63.

... localization of rare-metal ores depending on the morphology, structure, and texture of ore bodies. S. G. Sharin. Uzb. geol. zhur., 7, no. 1, 59-62. '63.

Rare-metal minerals in carbonatites. V. S. Gaidukova, T. B. Zdorik. Geol. mest. red. elem., no. 17, 86-117. '62.

White Russian S. S. R. Conference in Minsk on the use of rare metals. E. A. Ul'yanin. Metalloved. i termich. obr. met., no. 8, 62-63. Ag '63.

METALS, RARE AND MINOR—METALLURGY

Berezkina, L. G., ed. [Physicochemical investigations of the metallurgy of rare metals. Translated from the English and German] Fiziko-khimicheskie issledovaniia po metallurgii redkikh metallov. Moskva, Izd-vo inostr. lit-ry, 1963. 150 p. (Metally v novoi tekhnike)

METALS AT HIGH TEMPERATURES

Investigating the high-temperature strength of alloys in the system Ni-Al-Mo. B. S. Mints, G. I. Bellaeva, Iu. S. Malkov. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo, no. 4, 151-153. Jl.-Ag. '63.

Welding peculiarities of austenitic steels in structures operating at high temperatures. Iu. N. Goral'skii, ... I. K. ISvkulenko, B. N. Kushnirenko. Avtom. svar. 16, no. 9, 13-18. S '63.

METALS AT LOW TEMPERATURES

Spin-lattice relaxation of the Fe^{3+} ion in $K_3[Co, Fe](CN)_6$. P. P. Pashinin, A. M. Prokhorov. Fiz. tver. tela 5, no. 9, 2722-2723. S '63.

METALWORK

(see also subdivision under Zaporozh'ye)

Nikiforov, V. M. [Brief course on the technology of metals] Kratkii kurs tekhnologii metallov. Izd. 4., perer. i dop. Moskva, Mashgiz, 1963. 368 p.

METALWORK—STUDY AND TEACHING

Connection between the study of metalwork and the general education of students. D. O. Tkhorzhevskyi. Rad. shk., 12, no. 9, 63-69. S '63.

METALWORKERS see subdivision under Alapayevsk, Chelyabinsk, Magnitogorsk

METALWORKERS—EDUCATION AND TRAINING see subdivision under Balkhash

METALWORKING LUBRICANTS

Akademiia nauk SSSR, Institut fizicheskoi khimii. [Physicochemical regularities in the action of lubricants for metalworking by pressure] Fiziko-khimicheskie zakonomernosti deistvila smazok pri obrabotke metallov davleniem. Moskva, Izd-vo Akad. nauk SSSR, 1963. 175 p.

Feeding lubricants under pressure to the deformation zone during drawing. IAnaki Dimitrov Vasilev. Stal' 23, no. 8, 759 Je '63.

Using glass as a metalworking lubricant during hot rolling. D. I. Sutarov, V. P. Korzh, V. I. Shilov. Trudy Inst. met. UFAN SSSR, no. 9, 83-86. '62.

METALWORKING MACHINERY

Theoretical study of the shape of a full-contact roller for the rotary machining of shafts. E. G. Konovalov, N. I. Korolev. Dokl. AN BSSR 7, no. 6, 370-372. Je '63.

METAMORPHISM (GEOLOGY)

(see also subdivision under Kuznetsk Basin)

Naboko, S. I. [Hydrothermal metamorphism of rocks in volcanic areas] Gidrotermal'nyi metamorfizm porod v vulkanicheskikh oblastiakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 170 p.

METASOMATISM

Precarbonatite metasomatic processes in ultrabasic alkali massifs. Iu. B. Lavrenev, E. M. Epshtein. Geol. mest. red. elem., no. 17, 27-37. '62.

METASTASIS

Baladulina, M. G. [Clinical aspects of ... regional metastases in cancer of the ... lechenie regional'nykh metastazov ... skva, Medgiz, 1963. 166 p. (DNLM)

Metastatic melanoma in the stomach. ... Vest. khir., 89, no. 11, 61-64. '62.

Technique of liver resection [with ... T. V. Gorbunik. Vest. khir., no. 11, 61-64. '62.

METEORITES see subdivision under ... Tunguska Valley

METEOROLOGICAL INSTRUMENTS

Measurement of radial flux by ... fastened in the center of a ... Trudy TSAO, no. 15, 61-64. '62.

Protection of thermometers from ... solar radiation when measuring ... heights. V. I. Avdeev, V. N. Kulikov. ... Trudy TSAO, no. 15, 86-90. '62.

Radiation errors by temperature ... the atmosphere using ... the MMT-1 and KMT-1 types. ... TSAO, no. 15, 73-81. '62.

METEOROLOGICAL RESEARCH

Akademiia nauk SSSR. Mezhduved. ... proyektirovaniiu Mezhdunarodnogo ... II razdel programmy MGG; Methods ... of articles] Sbornik statei. Moskva, ... nauk SSSR [In Russian with some ... English]

No. 5. [Meteorological ... skie issledovaniia. 1964. 100 p.

METEOROLOGICAL RESEARCH—INSTRUMENT

Electric measurements of ... Kachurin, F. IA. Klimov. Meteorol. ... Ag. '63.

METEOROLOGY

Brief news. Meteorologiia i ... no. 8, 62-64. Ag. '63.

Brief news. V. I. Arkhangel'skii. ... i gidrol., no. 8, 62-64. Ag. '63.

Timofeev, M. P. [Meteorological ... of water] Meteorologicheskii ... grad, Gidrometeoizdat, 1963. 290 p.

Vsesoiuznoe nauchnoe meteorologicheskoe ... 1st, Leningrad, 1961. [Transactions ... Scientific Meteorological Conference] ... grad, Gidrometeoizdat.

Vol. 3. [Section on synoptic ... sinopticheskoi meteorologii] ... Bugaeva i T. V. Pukovnikova. ...

Vol. 5. [Section on the physics of ... sphere] Sektsiia fiziki ... Pod red. V. IA. Nikandrova. ...

Vol. 6. [Section on actinometry ... optics] Sektsiia aktinometrii i ... optiki. Pod red. K. S. Shifrina. ...

Vol. 8. [Section on agricultural ... Sektsiia sel'skokhoziaistvennoi meteorologii. ... berg, 1963. 306 p.

METEOROLOGY—BIBLIOGRAPHY see ... Meteorology

METEOROLOGY—CHARTS, DIAGRAMS, ETC.

Determining the frequency and ... meteorological phenomena from the ... Rudneva. Trudy NIIAK, no. 17, 31-40. '63.

METEOROLOGY, MARITIME

Method of calculating the meridional ... of heat and cold [with summary in ... manova, IU. A. Sidikov. Trudy Inst. ... '62.

METHACRYLIC ACID

Preparation of graft copolymers ... ten ... ethylene with methyl ... Korshak, K. K. Mozgova, T. M. ... SSSR, 151, no. 6, 1342-1344. Ag. '63.

Study of electrolytic transport in ... of methacrylic acid by the ... S. M. Kochergin, V. P. Barabanov, ... Trudy KKHTI, no. 30, 277-281. '62.

Synthesis of allyl glycidyl ester and ... copolymers. M. F. Sorokin, ... mat. i ikh. prim., no. 1, 5-10. '63.

Synthesis of glycidyl methacrylate and ... in solvents and their use as a base ... of protective coatings. M. F. Sorokin, ... Lakokras. mat. i ikh. prim., no. 4, 10-14. '63.

METHANE

Condensation of furfurole with ... ence of anion exchangers. ... nov. Uzb. khim. zhur., 7, no. 4, 44-46. '63.

Treasures of the methane family. A. ... Nauka i zhizn', 30, no. 9, 30-32. ... '63.

MERCURY—METALLURGY

Automatic roasting of mercury ores. V. A. Kravchenko, A. F. Mikhailov. Mekh. i avtom. proizv. 17 no. 8:3-5 Ag '63.

MERCURY—TOXICOLOGY

Function of the kidneys in mercuric chloride poisoning and after their denervation [with summary in English]. G. A. Gudima, G. S. Melkanova. Pat. fiziol. i eksper. terapiia 7 no. 5:11-16 My-Ap '63.

MERCURY COMPOUNDS

Crystalline structure of the compound α-$C_{10}H_7HgI$. V. I. Pecharsky. Dop. AN Ukr. RSR no. 5:780-790 S-O '63.

MERCURY ORES see subdivision under Fergana

MERCURY ORGANIC COMPOUNDS

Bis-(3-thienylmercuri)-methane, the first organogermanium compound of mercury. N. S. Vyazankin, G. A. Razuvaev, I. N. Gladyshev. Dokl. AN SSSR 151 no. 6:1326-1327 Ap '63.

MERCURY SULFATES

Thermal dissociation and hydrolysis of mercury (II) sulfate. P. V. Margulis, Ill. S. Remizov. Zhur. neorg. khim. 8 no. 10:2290-2294 O '63.

MERV—EXCAVATIONS (ARCHAEOLOGY)

Excavation and the stratigraphy of the shaft in the southern enclosement of the Sultan-Kala in Old Merv. S. P. Tolstov. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 2:77-82 '63.

MERV—MOHAMMEDAN ANTIQUITIES

Excavation and the stratigraphy of the shaft in the southern enclosement of the Sultan-Kala in Old Merv. S. P. Tolstov. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 2:77-82 '63.

MESENTERIC PLEXUS

Intermuscular (transverse) connections in the inferior mesenteric plexus. D. V. Kovaleva. Vop. morf. perif. nervn. sist. no. 6:65-70 '63.

MESENTERY—DISEASES

Retroperitoneal cyst of the mesentery proper with meteorism. M. V. Rogozkina. Vest. khir. i gin. 93 no. 1:71-72 Ja-F '63.

MESHCHANSKII, LEV BORISOVICH, 1899-1963

Lev Borisovich Meshchanskii; obituary. Geod. i kart. no. 9:62-63 S '63.

MESONS

F. Hiakov, V. A., and others. [Production of Λ-hyperons and k^0-mesons in π^-p-interactions at an energy of 7.8 Bev.] Issledovanie protsessov rozhdeniia Λ-giperonov i k^0-mezonov v π^-p-vzaimodeistviiakh pri energii 7.8 Bev. [n.p. n.d.] 26 p. [MICROFILM]

Dallakov, V. A., and others. [Properties of π^--mesons produced together with strange particles in π^-p and π^-C-interactions] Izuchenie svoistv π^0-mezonov, rozhdaiushchikhsia so strannymi chastitsami v π^-p i π^-C vzaimodeistviiakh. Dubna, Ob"edinennyi in-t iaderных issledovanii, 1962. 10 p. [MICROFILM]

Effect of the nucleus on π^0-meson production [with summary in English]. V. S. Demidov and others. Zhur. eksper. i teor. fiz. 44 no. 3:1137-1142 S '63.

Investigation of the number of particles in electron-photon showers generated by high-energy μ-mesons [with summary in English]. N. M. Gerasimova, D. V. Gedalin, Zhur. eksp. i teor. fiz. 45 no. 3:565-575 S '63.

Observation of K_2^0 decays [with summary in English]. M. Kh. Anikina and others. Zhur. eksp. i teor. fiz. 45 no. 3:466-473 S '63.

Regge poles and the asymptotic behavior of the cross sections of certain processes of weak interaction [with summary in English]. Nguen Van Khieu. Zhur. eksp. i teor. fiz. 45 no. 3:541-547 S '63.

MESONS—CAPTURE

Capture of slow π^--mesons by light nuclei in a correlation cascade model [with summary in English]. G. M. Shafirovich. Zhur. eksp. i teor. fiz. 45 no. 3:698-705 S '63.

Radiative capture of μ^--mesons in hydrogen. G. A. Ivanov. Zhur. eksp. i teor. fiz. 45 no. 3:713-722 S '63.

MESONS—DECAY

Some consequences of the long lifetime of η^0- and Ψ-mesons [with summary in English]. V. G. Grishin, M. I. Podgoretskii. Zhur. eksp. i teor. fiz. 45 no. 3:703-705 S '63.

MESONS—SCATTERING

Allowing for resonance interactions in the statistical theory of multiple particle formation. V. I. Rusakin. Trudy Inst. fiz. AN Kazakh. SSR 6:3-63 '63.

Photoproduction of π^0-mesons on nucleons, and fermion Regge poles [with summary in English]. M. P. Rekalo, V. G. Gorbatkov, G. V. Frolov. Zhur. eksp. i teor. fiz. 45 no. 3:512 S '63.

Polarization phenomena in the scattering of π^0-mesons on nucleons, and the fermion Regge poles [with summary in English]. M. P. Rekalo. Zhur. eksp. i teor. fiz. 45 no. 3:595-598 S '63.

Quasi-optical method in the meson theory with a fixed source. V. D. Lukin. Vest. Mosk. un-ta. Ser. 3, Fiz., astron. 18 no. 5:86-89 S-O '63.

Zulkarneev, R. IA., and I. N. Silin. [Phase analysis of elastic (pp)-scattering at 660 Mev] Fazovyi analiz uprugogo (pp) -rasseianiia pri 660 Mev. Dubna, Ob"edinennyi in-t iaderных issledovanii, 1962. 8 p. [MICROFILM]

METABOLISM

Daily energy loss in 10 to 11 year-old children in boarding school pioneer camps. V. V. Maksimov. Pediatriia 42 no. 1:18-20 Ja '64.

METAL CLADDING

Low-melting metal coatings on copper. N. V. Savchenko. Metalloved. i term. obr. met. no. 10:37-39 O '63.

METAL CLEANING

Efficient performance of abrasive wheels for the cleaning of high-alloy steel. A. V. Murdasov, V. V. Pasechnik. Metallurg 8 no. 9:35-36 S '63.

Elimination of dry sandblast cleaning. N. A. Antonov. Mashinostroitel' no. 8:12 Ag '63.

The lightning at work. S. Skachkov. Nauka i zhizn' no. 9:11-15 My '63.

Practice of flame scarfing of pipe blanks. S. A. Sharadzenidze, A. N. Borovkov, G. A. Svetitskii. Stal' 23 no. 9:824-826 S '63.

Semiautomatic program-controlled line for ultrasonic cleaning of parts. G. P. Londrashova, B. N. Larmin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:27-29 '63.

METAL CRYSTALS—GROWTH

Distribution of impurities in crystals pulled out of a melt in crucibles connected by a capillary. V. N. Romanenko. Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 2:86-95 Mr-Ap '63.

Obtaining single crystals of scandium, yttrium, and gadolinium. E. M. Savitskii and others. TSvet. met. 36 no. 5:51-52 My '63.

METAL CUTTING

Bliznikov, L. V. [Handbook for the mechanical engineer and the foreman of a machine shop] Kratkii spravochnik tekhnologa-mashinostroitelia i mastera mekhanicheskikh tsekhov [Ryazan'] Ryazanskoe knizhnoe izd-vo, 1963. 310 p.

Effect of high-frequency vibrations on the penetration of lubricants and coolants into the cutting zone during the mechanical working of metals. IA. R. Kanavalau, I. M. Hermanovich. Vestsi AN BSSR, Ser. fiz.-tekh. nav. no. 3:98-100 '63.

Electric and diamond cutting of hard alloys. V. IU. Veroman. Stan. i instr. 34 no. 8:26-29 Ag '63.

Improving technological processes of the machining of water-cooled mandrels. I. M. Lopatukhin, V. I. Nozhin, M. I. Mukhtarov. Za tekh. prog. 3 no. 3:25-26 Mr '63.

Investigating cutting temperature conditions in face milling of heat-resistant and titanium alloys. K. F. Mitrinev, V. I. Komissarov. Izv. vys. ucheb. zav.; mashinostr. no. 6:190-199 '63.

Livshits, B. I. [Technological processes of the manufacture and assembly of cam mechanisms] Tekhnologiia izgotovleniia i sborki kulachkovykh mekhanizmov. Moskva, Mashgiz, 1963. 169 p.

Porten, IU. A. [Advanced methods for removing, conveying and processing metal chips] Progressivnye sposoby uborki, (transportirovki i pererabotki metallicheskoi struzhki, stenogramma. Leningrad, 1963. 35 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia Mekhanicheskaia obrabotka metallov)

METAL CUTTING—BIBLIOGRAPHY see Bibliography—Metal cutting

METAL CUTTING—PRODUCTION STANDARDS see subdivision under Estonia

METAL CUTTING, ELECTRIC see Electric metal cutting

METAL-CUTTING TOOLS
(see also subdivision under Taslinograd Province)

Cutter designed by B. F. Danilov for roughing. IU. A. Stepanenko. Mashinostroitel' no. 8:13 Ag '63.

Determination of the optimum geometry of a cutting tool securing chip breaking. G. Sh. Kaplan, V. G. Belukhin, IU. IU. Naimark. Trudy Stud. nauch. ob-va LIEI no. 4 38-48 '59.

Kosmachev, I. G. [Handbook for metal-cutting toolmakers] Spravochnaia kniga instrumental'shchika. [Leningrad] Lenizdat, 1963. 358 p.

New cutter designed by N. S. Romanov, P. I. Zhdankin. Mashinostroitel' no. 8:14 Ag '63.

Profile errors in ground hobbing cutters. G. G. Inozemtsev. Izv. vys. ucheb. zav.; mashinostr. no. 6:182-186 '63.

Using generalized formulas in designing the profile of cutters and fly cutters. F. S. Dikushin. Stan. i instr. 34 no. 8:24-26 Ag '63.

Wear resistance of cutting disks and its connection with the technology of their manufacture. V. A. Sologub. Stal' 23 no. 6:561-562 Je '63.

METAL-CUTTING TOOLS—COOLING
(see also subdivision under United States)

New units for cooling metal-cutting tools. G. P. Maltsev, G. S. Lazarev, V. V. Pukhomov. Mashinostroitel' no. 9:33-34 S '63.

METAL-CUTTING TOOLS—MAINTENANCE AND REPAIR see subdivision under Soviet Central Asia

METAL CUTTING TOOLS—TESTING

Determination of the dimensional wear of cutting tools working with heavy feeds. L. V. Rezkov, P. S. Vishnyakov. Vest. mashinostr. 43 no. 9:69-70 S '63.

Measurement methods and criteria for the wear of metal-cutting tools. G. I. Granovskii. Vest. mashinostr. 43 no. 9:45-51 S '63.

METAL-CUTTING TOOLS—WELDING

Mechanical building-up of metal cutting tools. V. S. Adashkin and others. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:25-27 '63.

METAL INDUSTRIES
(see also subdivision under Uzbekistan)

From the editor's mail. Sots. trud. 8 no. 7:131-132 Jl '63.

METAL INDUSTRIES—MANAGEMENT

Introduce progressive practice in labor organization. Sots. trud. 8 no. 7:10-70 Jl '63.

METAL POWDER PRODUCTS

Charging device on drawing machines for the manufacture of powder wire. M. I. Rankov. Avtom. svar. 16 no. 9:75-77 S '63.

Dependence of porosity size and fineness of filtration of ceramic metal filters on the fractional composition of spherical powders [with summary in English]. B. T. Shubraev. Porosh. met. 3 no. 4:61-66 Jl-Ag '63.

METAL POWDER PRODUCTS—CORROSION

Surface treatment of sintered steel. G. Arzenkolb. Porosh. met. 3 no. 4:111-115 Jl-Ag '63.

METAL POWDER PRODUCTS—TESTING

Contact section of powder compacts and sintered products and the significance of their mechanical properties in the contact section area [with summary in English]. M. IU. Balshin. Porosh. met. 3 no. 4:20-32 Jl-Ag '63.

METAL-WORKING LUBRICANTS

Effect of high-frequency vibrations on the penetration of lubricants and coolants into the cutting zone during the mechanical working of metals. IA. R. Kanavalau, I. M. Hermanovich. Vestsi AN BSSR, Ser. fiz.-tekh. nav. no. 3:98-100 '63.

METALLIC FILMS

Formation of semiconducting films of zinc telluride on zinc single crystals in reactive diffusion. N. N. Sirota, N. N. Koreni. Dokl. AN BSSR 7 no. 6:373-375 Je '63.

METALLOGRAPHY

Livshits, B. G. [Metallography] Metallografiia. Moskva, Metallurgizdat, 1963. 422 p.

Readings commemorating Chernov. Metalloved. i term. obr. met. no. 10:53 O '63.

METALLOGRAPHY—PERIODICALS

Readers' conference at the Minsk Tractor Plant. Metalloved. i term. obr. met. no. 9:62 S '63.

METALLURGICAL FURNACES

Continuous method for the production of iron oxide red pigments in a furnace with traveling trucks. S. A. Malkin. no. 4:56-60 '63.

Glinkov, M. A., ed. [Metallurgical furnaces] Metallurgicheskie pechi. [By] D. V. Budrin i dr. Moskva, Metallurgizdat.
Pt. 1. [Fuel, refractories, principles of heat engineering processes] Topivo, ogneupory, osnovy pechnoi teplotekhniki, 1963. 436 p.

New developments in research. K. S. Alferov and others. Stal' 23 no. 9:851 S '63.

METALLURGICAL FURNACES—DESIGN AND CONSTRUCTION

Using heat-resistant concrete in the construction of open-hearth and heating furnaces. N. I. Ivanov and others. Stal' 23 no. 9:862 S '63.

METALLURGICAL FURNACES—MAINTENANCE AND REPAIR

Our experience in the repair of hearth bottoms. S. T. Shekhovtsov. Metallurg 8 no. 8:18-19 Ag '63.

METALLURGICAL LABORATORIES—EQUIPMENT AND SUPPLIES

Automatically controlled electrolytic unit for use in experimental laboratories. I. E. Feldman, A. G. Koshelev, N. A. Katerova. TSvet. met. 36 no. 5:80-81 My '63.

Laboratory centrifugal mill. V. K. Luzanov. TSvet. met. 36 no. 5:76-77 My '63.

MILITARY TOPOGRAPHY—STUDY AND TEACHING

Pivkin, V. G., and IU. P. Kravtsov. [Visual aids and training apparatus in military topography (approved by the Chief of the Military Topographical Administration)] Nagliadnye posobiia i trenazhery po voennoi topografii (utverzhdeny nachal'nikom voenno-topograficheskogo upravleniia). Moskva, Voenizdat, 1963. 127 p.

MILITARY UNIFORMS see Uniforms, Military

MILITARY VEHICLES see Vehicles, Military

MILK—COMPOSITION
(see also subdivision under Alma-Ata region, Ukraine)

Variation in the fat content of milk as related to cow's feeding. IE. I. Horev. Vrachebno-sanitarnoe delo, no. 9:93-98 S '63.

MILK—MICROBIOLOGY

Detection of the carrier of brucellosis among workers of laboratories of veterinary medicine. G. I. Barulin, P. I. Lavchenko, and others. Veterinariia, 40 no. 1:78-80 '63.

Rapid method for detecting Salmonella in milk products. [Abstract] [By] I. I. Arbatskaia, V. M. Kurtsina, and V. Ia. Tumanina. Zhur. mikrobiol., epidemiol. i immunobiol., 40 no. 9:74-75 S '63.

MILK—PASTEURIZATION

Design of a pasteurizer for dairy farms. T. Khasiev. Tekh. sel'khoz. 23 no. 2:28-31 F '63.

MILK—TRANSPORTATION

Strakhov, V. V., and N. I. Tombaev. [Specialized transportation means for milk] Spetsializirovannye sredstva dlia transportirovki moloka. Moskva, TSentr. in-t nauchno-tekhn. informatsii po avtomatizatsii i mashinostroeniiu, 1963. 44 p. (Novye mashiny, oborudovanie i sredstva avtomatizatsii)

[MICROFILM]

MILK AS FEED

Effect of dairy products on the intestinal helminths in swine. A. I. Chubis, I. S. Kamyshanskii. Vest. sel'khoz. nauki [Kazakh.] 6 no. 8:89-94 Ag '63.

MILK VETCH
(see also subdivision under Kopetdag, Nakhichevan A.S.S.R.)

Possibility of using milk vetches for ensilage. V. N. Vasil'ev. Trud. Alma-At. bot. sada 7:94-99 '63.

MILK VETCH—WATER REQUIREMENTS see subdivision under Kopetdag

MILKING see subdivision under Omsk Province

MILKING MACHINES

Shapovalov, K. S. [The "KDUE-16-Omichka," the circular-conveyor milking machine] Konveiernokol'tsevaia doil'naia ustanovka "KDUE-16-Omichka." Moskva, Vystavka dostizhenii nar. khoz. SSSR, 1963. 5 p.

(D'IAL)

MILLET see subdivision under Siberia, Eastern

MILLET—VARIETIES see subdivision under Orel Province

MILLET—WATER REQUIREMENTS see subdivision under Aktyubinsk Province

MILLING MACHINERY

Modernization of the DSh-2 grinder. R. E. Gerasimov. Der. prom. 12 no. 10:24-25 O '63.

Testing of conical ShK 320/550 mills in the anthracite culm grinding operation. L. M. Kapel'son. Elek. sta. 34 no. 9:61-65 S '63.

Testing of hammer mills with centrifugal separators. V. D. Bergman, N. V. Shcherbakova. Energ. i elektrotekh. prom. no. 3:62-64 Jl-S '63.

MILLIVOLTMETER

Highly sensitive self-compensating millivoltmeter for 1.0 value of precision classes. P. P. Ornatskii, IU. M. Tuz, E. V. Greshchenko. Izm. tekh. no. 8:36-39 Ag '63.

MINE COMMUNICATIONS

Classification of mine signaling systems. G. P. Savel'ev. Mekh. i avtom. v gor. prom. no. 3:365-370 '63.

IAsnyi, V. K., and A. F. Pankrat'ev. [The coal industry of capitalist countries] Ugol'naia promyshlennost' kapitalisticheskikh stran. Moskva, Gosgortekhizdat. Vol. 4. Pt. 1. [Electric supply, communication, signalization and lighting] Elektrosnabzhenie, sviaz', signalizatsiia i osveshchenie. Otv. redaktory V. S. Tutin, V. K. IAsnyi. 1963. 314 p.

MINE DRAINAGE
(see also subdivision under Ural Mountains)

Construction of pits in water-bearing deposits without preliminary drainage. G. L. Fisenko, V. A. Mironenko. Shakht. stroi. 7 no. 10:7-10 O '63.

MINE DUSTS

Experimental study of the movement of a coal dust cloud in a vertical pipeline. P. I. Kozhushko, A. E. Smoldyrev. Mekh. i avtom. v gor. prom. no. 3:61-68 '63.

MINE FILLING
(see also subdivision under Donets Basin)

Experimental studies of new methods and equipment for hydraulic filling. V. V. Dobrovol'skii. Mekh. i avtom. v gor. prom. no. 3:33-61 '63.

Systems of mining with set filling. G. N. Popov, V. M. Kol'tsov. Gor. zhur. no. 9:24-28 S '63.

MINE GASES
(see also subdivision under Donets Basin)

Thermocatalytic principle as a basis in constructing methane detectors for an automatic system of protection from gas. E. F. Karpov. Mekh. i avtom. v gor. prom. no. 3:252-267 '63.

Transitional gas conditions in coal mines during sharp changes of aerodynamic parameters (case n = 1). I. S. Klebanov. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 4:169-174 Jl-Ag '63.

MINE HAULAGE
(see also subdivision under Krivoy Rog Basin)

Andreev, A. V., I. L. Anchakov, and G. P. Kudinov. [Automatic control of open-pit mine transportation] Avtomatizatsiia kar'ernogo transporta. Moskva, Gosgortekhizdat, 1963. 253 p.

Efficient placing of dump trucks under excavators. L. F. Grosser. Mekh. stroi. 20 no. 8:18-19 S '63.

In the Scientific Council for Industrial Transportation and the Mechanization of Loading and Unloading Operations. M. P. Golovkin. Bul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:66-67 '63.

Potapov, M. G. [Open-pit mine haulage] Kar'ernyi transport. Izd. 2., perer. i dop. Moskva, Gosgortekhizdat, 1963. 296 p.

Study of the stability of the sides of benches during the operation of mine haulage equipment in open-pit mines. B. K. Aleksandrov. Nauch. soob. IGD 20:11-17 '63.

Transportation problems at mining enterprises. A. E. Trop, L. I. Zhukov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 8:183-185 '63.

Using the modeling method to study the effect of external loads on the stability of the sides of benches. Chzhu Zhui-gen [Chu Jui-keng]. Nauch. soob. IGD 20:17-23 '63.

MINE HOISTING

Analytical method of determining the basic parameters of inclined skip hoists for strip mining. V. A. Kolmiltsev, L. A. Sorokin. Izv. vys. ucheb. zav., gor. zhur. 6 no. 8:94-101 '63.

Bodrov, V. F. [The great from the small] Bol'shoe iz malogo. [Tula] Tul'skoe knizhnoe izd-vo, 1963. 11 p.

[MICROFILM]

Distribution of forces among the ropes of a multirope hoist in fastening them jointly to the vehicles. IU. P. Shabanov-Kushnarenko, N. A. Shmatkov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 8:120-128 '63.

Dynamics of a mine hoist consisting of three components connected by flexible weighted rods. V. F. Stoliarchuk. Izv. vys. ucheb. zav., gor. zhur. 6 no. 3:129-137 '63.

Some problems in the theory of multilayer winding of ropes onto mine hoist drums. IU. I. Pochtovenko. Izv. vys. ucheb. zav., gor. zhur. 6 no. 8:102-110 '63.

Tabulating cable functions $\mathcal{J}\!\!\mathcal{J}_n(t)$. M. L. Stepanov. Mekh. i avtom. v gor. prom. no. 3:155-162 '63.

MINE HOISTING—BRAKES

Role of a flexible link in the operation of weight brake on a hoist. A. A. Bystrov. Trudy NPI 137:11-19 '62.

Stopping a hoist with a weight brake which has a flexible link in it. A. A. Bystrov. Trudy NPI 137:21-35 '62.

MINE HOISTING—ELECTRIC DRIVING

Acceleration dynamics of a mine hoist with a weak rope. V. F. Stoliarchuk, M. N. Golovatyi. Izv. vys. ucheb. zav., gor. zhur. 6 no. 8:111-119 '63.

Automatic control of a multirope cage hoist. V. E. Katolikov. Gor. zhur. no. 9:48-53 S '63.

Design of a metal rheostat for a two-motor drive of a hoist. A. I. Iliukhin, A. I. Artemov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 8:174-179 '63.

MINE HOISTING—EQUIPMENT AND SUPPLIES
(see also subdivision under Severouralsk region; Ukraine)

Design and construction of wedge-shaped eyes for hoists. I. F. Liutkevich. Trudy NPI 137:47-54 '62.

Free horizontal vibrations of tower headframes with bearing walls in the shape of a rectangle or a circle in a plane. I. I. Vakhrameev, S. A. Dobrodeev, B. T. IAkovlev. Izv. vys. ucheb. zav., gor. zhur. 6 no. 8:120-133 '63.

MINE MANAGEMENT

Discussion of A. V. Baronenkov's article "Improvement of planning and stimulation of interest in bonuses on the part of miners." M. S. Shilonskii, A. V. Nedogon. Gor. zhur. no. 9:9-11 S '63.

MINE PUMPS

Relation between the time of wearing of the working wheels of pumps with identical rates of speed and the number and speed of rotation of the shaft. A. I. Borokhovich. Izv. vys. ucheb. zav., gor. zhur. 6 no. 3:111-113 '63.

Some problems in increasing the efficiency of sand pumps. V. S. Zviagin. [illegible] gor. zhur. 6 no. 3:138-145 '63.

MINE RAILROADS

Use of electric mine locomotives for [illegible] up an incline. B. N. Konkin, Iu. M. [illegible] ucheb. zav., gor. zhur. 6 no. [illegible]

MINE RAILROADS—BRAKES see subdivision Kama Valley

MINE RAILROADS—CARS

Using self-propelled VS-4 cars in drifts. [illegible] zhaev. Izv. vys. ucheb. zav., gor. zhur. [illegible] '63.

MINE RAILROADS—CURRENT SUPPLY

Use of semiconductor rectifiers in underground substations. D. M. Kamenskii and others. Izv. vys. ucheb. zav., gor. zhur. 6 no. 8:180-182 '63.

MINE RAILROADS—TECHNOLOGICAL PROCESS

Chain pusher. V. S. Andrianikhin, [illegible] zapis. Gor. zhur. no. 9:74 S '63.

MINE RAILROADS—TIES

Universal tie-renewal machine for open-pit [illegible] Parunakian. Gor. zhur. no. 9:54 S '63.

MINE RAILROADS—TRACK

Tartakovskii, B. N., A. M. Varakhovskii, [illegible] nov. [Mechanization of railroad track in open-pit mines] Mekhanizatsiia putevykh rabot na dorozhnykh putiakh na kar'erakh. Moskva, Gosizdat, 1963. 183 p.

MINE ROOF BOLTING

Determination of the bearing capacity of [illegible] shell and plug of anchor bolting. B. L. [illegible] soob. IGD 20:18-25 '63.

MINE ROOF BOLTING—TESTING see subdivision Donets Basin

MINE TIMBERING
(see also subdivision under Lvov-Volyn' [illegible] region, Kazakhstan)

Study of the performances of the parts [illegible] S. Kh. Klorikian, P. V. Kovnat', N. A. [illegible] trudy Mosk. inst. radioelek. i gorn. elektr. [illegible] 102-108 '62.

Theoretical principles of the processes of [illegible] of the hoisting vehicle and the reinforcement of shafts. O. A. Zalesov. Shakht. stroi. [illegible] '63.

MINE TIMBERING—TESTING

Results of tests of the GSM-19, GSP-2, [illegible] GS-4 hydraulic supports. P. I. [illegible] no. 20:5-17 '63.

MINE VENTILATION

[Improving mine ventilation methods in [illegible] Sovershenstvovanie sposobov provetrivaniia [illegible] gidroshakht. [By] F. S. Klebanov [illegible] Akad. nauk SSSR, 1963. 150 p.

Role of the rock massif in humidity [illegible] mine workings. A. M. Krivoruchko, [illegible] no. 20:161-173 '63.

Transitional gas conditions in coal mines [illegible] changes of aerodynamic parameters [illegible] Klebanov. Izv. AN SSSR. Otd. tekh. nauk [illegible] no. 4:169-174 Jl-Ag '63.

Using rapid electronic computers for [illegible] mine ventilation. F. A. Abramov, V. A. [illegible] Eulakh. Izv. AN SSSR. Otd. tekh. nauk Met. i [illegible] no. 2:161-168 Mr-Ap '63.

MINERAL INDUSTRIES—LABOR PRODUCTIVITY

Discussing the White Russian experiment. [illegible] Sots. trud. 8 no. 7:100-105 Jl '63.

MINERAL METABOLISM

Changes in mineral and protein metabolism [illegible] tissues following thermal burns [with [illegible] lish] B. E. Movshev. Pat. fiziol. i eksp. ter. 58-62 Mr-Ap '63.

MINERAL OILS

Shokhter, IU. N., S. E. Krein, and V. P. Kalyan. [Oil-soluble sulfonates; their production and [illegible] Maslorastvorimye sul'fonaty; proizvodstvo i [illegible] Moskva, Gostoptekhizdat, 1963. 124 p.

Use of mineral oil in the storage of brewers' [illegible] tained by sedimentary fermentation. I. N. [illegible] Trudy TSentr. nauch.-issl. inst. piv., bezalk. [illegible] no. 9:39-43 '62.

MINERAL WATERS see subdivision under [illegible] Kazakhskiy District; Tien Shan

MINERAL WATERS, SULFUROUS see subdivision Caucasus

MINERAL WOOL

Study of the fiber-forming mechanism in the [illegible] of mineral and glass wool. A. A. Ustenko. [illegible] 9 no. 9:32-35 S '63.

MINERALOGICAL CHEMISTRY

Notes on structural mineralogy Report No. 13 [with summary in English] N.V Belov. Min.sbor. no.16:14-44 '62.

Role of diffusion in the replacement of minerals and the decomposition of solid solutions. B.V. Brodin Trudy Min. inst. no.11 79-95 '63.

MINERALOGY
(see also subdivision under Kazkharan region; Ukraine)

Genesis of metacolloid minerals [with summary in English]. D.P. Koroleev. Geol. i geofiz. no.8:82-88 '63.

Possibility of a statistical study of the mineral sequence in igneous rocks. A.N. Belov. Dokl. AN SSSR 151 no.6,1416-1419 Ag '63.

MINERALOGY, DETERMINATIVE

Gradient pipe without ultrathermostate and prospects for using it in mineralogical studies. M.IA. Kats, V.V. Baranov. Izv. AN SSSR, Ser. geol. 28 no.9 93-98 S '63.

MINERALS—ANALYSIS

Some remarks concerning IU.S. Nesterova's works on the results of chemical analyses of sulfides and related minerals. A.A. Godovikov, M.S. Sakharova. Geol. i geofiz., no.8:89-94 '63.

MINERALS—ELECTRIC PROPERTIES

Determination of the electric resistance of minerals [with summary in English] N.P. Grigor'eva Min sbor no.16:399-403 '62.

Effect of adsorption films on the charge and polarity of mineral particles. Chzhao Tsze-san' [Chao Tsê-san] Vest Mosk. un Ser 4, Geol. 18 no.3,68-70 My-Je '63

MINERALS—OPTICAL PROPERTIES

Saranchina, G.M. [Fedorov's method] Fedorovskii metod. 2. izd. [Leningrad] Izd-vo Leningr. univ., 1963. 152 p.

MINERS—DISEASES AND HYGIENE see subdivision under Dzhezkazgan, Karaganda Province

MINERS—EDUCATION AND TRAINING

Obstacles in the training of miners V. Koval'chuk, I. Pentsik. Prof.-tekh. obr. 20 no.7:29-30 Jl '63.

MINERS—WAGES

Dergauz, I.A., and A.P. Shalimov. [Guide for workers in auxiliary and haulage operations in ferrous metallurgy enterprises] Pamiatka dlia rabochikh vspomogatel'nykh i transportnykh tsekhov gornykh predpriiatii chernoi metallurgii. Moskva, Gosgortekhizdat, 1962. 167 p. (Organizatsiia i oplata truda)

MINES, MILITARY see subdivision under Algeria

MINES AND MINERAL RESOURCES
(see also subdivision under Kazakhstan)

Akademiia nauk SSSR. Institut istorii estestvoznaniia i tekhniki. [History of the discovery and study of mineral deposits] K istorii otkrytiia i izucheniia mestorozhdenii poleznykh iskopaemykh Moskva, Izd-vo Akad. nauk SSSR, 1963. 105 p

Concerning N.A. Bykhover's book "Distribution of world mineral resources based on the epochs of ore formation." E.V. Pavlovskii, A.M. Leites. Izv. AN SSSR, Ser. geol. 28 no.9:102-103 S '63.

MINGECHAUR RESERVOIR—FRESHWATER BIOLOGY

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Institut zoologii. [Biology of Mingechaur Reservoir] Biologiia Mingechaurskogo vodokhranilishcha Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 142 p.

MINING ENGINEERING
(see also subdivision under Azerbaijan; Donets Basin; Kola Peninsula, Krivoy Rog Basin; Lvov-Volyn' Basin; Olenegorsk region)

Application of the symbolic method to studies of stresses and roof shifts in chamber mining systems with ribbon pillars I.I. Pasechnik, V.I. Rybasov. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2,169-179 '63.

Construction of the junctions of recovery and haulage-and-loading workings at the bottoms of blocks. Z.A. Terpogosov. Nauch. soob. IGD 20:93-99 '63.

Effect, based on studies performed on models made of equivalent materials, of stoping operations on the occurrence of rock pressure in mining flat seams by means of longwalls and chambers with timbering. N.V. Tikhonova. Sbor. DonUGI no. 29,173-186 '63.

Effect of properties of rocks in the roof on the redistribution of rock pressure in a massif enclosing a coal seam. A.IA. Grafova. Nauch. soob. IGD 20:24-29 '63.

Evaluation of the influence of an uneven contour upon the distribution of stresses in the vicinity of the development of a circular cross section. I.V. Baklashov. Osn., fund. i mekh. grun. 5 no.5,23-25 '63.

Improving mining engineering operations is a task which mine builders can not put off. Shakht. stroi. 7 no.10: 1-3 O '63.

Laying of permanent haulageways in sections of crosscuts of galleries. V.I. Ryzhenkov. Shakht. stroi. 7 no.7 13-14 Jl '63.

Location of supporting pillars in the chamber and pillar system of mining. G.F. Gulevich Gor. zhur. no.9 76-77 S '63.

Relation between the shape of pillars and their bearing capacity. M.I. Veskov. Nauch. soob. IGD 20 41-47 '63.

Study of the effect of the depth of a working on the distribution of stresses around a drift, given various means of supporting it N.T. Grishko, A.V. Savost'ianov Izv. vys. ucheb. zav., gor. zhur. 6 no.3:31-38 '63

MINING ENGINEERING—ABSTRACTS

[Mining] Ref. zhur.: Gor. delo no.10 O '63.

MINING ENGINEERING—BIBLIOGRAPHY see Bibliography—Mining engineering

MINING ENGINEERING—COSTS

Discussion of B.F. Novozhilov's article "Quality of ferrous metal ores and the profitableness of production" S.L. Shashurin and others. Gor. zhur. no.9:5-9 S '63.

MINING ENGINEERING—ELECTRONIC EQUIPMENT

Analysis of some methods for balancing the input bridges of tensometer amplifiers on the carrier frequency A.E. Trop, V.M. Shkol'nik. Izv. vys. ucheb. zav., gor. zhur. 6 no.3:163-172 '63

MINING ENGINEERING—EQUIPMENT AND SUPPLIES

Concerning the book "Materials and parts for constructing mining enterprises." I.I. Onishchenko, L.G. Tolstova. Shakht. stroi. 7 no.10 32 O '63.

MINING ENGINEERING—LABOR PRODUCTIVITY see subdivision under Pechora Basin

MINING ENGINEERING—PERIODICALS

Auxiliary committee for the magazine "Shakhtnoe Stroitel'stvo" in Donetsk. Shakht. stroi. 7 no.7 32 Jl '63.

MINING ENGINEERING—SAFETY MEASURES see subdivision under Kazakhstan

MINING ENGINEERING—STUDY AND TEACHING

Davydov, N.I. [Industrial training of stope miners] Proizvodstvennoe obuchenie gornorabochikh ochistnogo zaboia. Moskva, Profizdat, 1963. 72 p.

Path of one group. N. Ivanov. Prof.-tekh. obr. 20 no.7: 11 Jl '63.

Valuable advice on the training of miners. G. Rozenberg. Prof.-tekh. obr. 20 no.7 30-31 Jl '63

MINING GEOLOGY

Use of black-and-white photography in geological documentation of underground mine workings. M.A. Gnevushev, L.E. Danilochkina. Razved. i okh. nedr 29 no.9:32-36 S '63.

MINING MACHINERY

Change in the angle of revolution of a cutter during its operation with a rotating cutter bit. Khe-Ven' [Ho-Wen]. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no.41 80-82 '62

Gyroscopic effect in mining machines. I.P. Sorokin. Mekh. i avtom. v gor. prom. no.3 123-128 '63.

Increasing the stability and equilibrium of the operation of cutter-loaders. V.L. Dolgov. Mekh. i avtom. v gor. prom. no.3:92-106 '63.

Mechanized rock loading in pits. G.V. Rodionov, V.M. Krasnova. Izv. vys. ucheb. zav., gor. zhur. 6 no.8:3-8 '63.

Methods and means of reducing the dynamic loads in mining machines with chain working parts. V.N. Istomin. Mekh. i avtom. v gor. prom. no.3:151-154 '63.

Principles of calculating the pull of a ring-type chain working part. V.I. Solod. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no.41 27-32 '62.

Study of a bucket loading part operating on a slope. V.G. Stifnia. Izv. vys. ucheb. zav.; gor. zhur. 6 no.8:9-17 '63.

Study of the performance of loaders with raking claws under conditions of upraises. I.F. Riumin. Izv. vys. ucheb. zav.; gor. zhur. 6 no.8:27-33 '63.

Use of nonstandard initial contours for toothed wheels on mining machinery. P.V. Semencha. Mekh. i avtom. v gor. prom. no.3 85-92 '63.

Using standard and special continuous equipment in working benches of various heights. IU.A. Chernegov. Nauch. soob. IGD 20:3-10 '63.

MINING MACHINERY—ABSTRACTS

[Manufacture of mining machinery, construction equipment, and road machinery] Ref. zhur.: Gor., stroi. i dor. mashinostr. nos.10-11 O-N '63.

MINING MACHINERY—ELECTRIC DRIVING

Problems in starting and preventing overloading of mining machinery. V.N. Istomin, Mekh. i avtom. v gor. prom. no.3:107-123 '63.

Study of electromagnetic transient processes in asynchronous two-phase symmetric minature machines N.I. Zenkin, V.M. Kirpichnikov. Izv. vys. ucheb. zav.; gor. zhur. 6 no.3:105-110 '63.

MINING MACHINERY—HYDRAULIC DRIVE

Khorin, V.N. [Hydraulic drives for mining equipment; their design and construction] Gidroprivod rabochego oborudovaniia, raschet i konstruktsiia. Moskva, Gosgortekhizdat, 1963. 407 p.

MINING MACHINERY—TESTING

Effect of the geometry of cutters on the process of breaking coals and rocks. V.N. Getopanov. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no.41 67-79 '62

Aksenov, V.V., A.V. Shalkov, and E.P. Dolgov. [New electric devices for studying mining machines] Novye elektricheskie pribory dlia issledovaniia gornykh mashin, kratkii nauchnyi otchet. Moskva, In-t gornogo dela, 1963. 41 p.

Specific weight of the product of friction in cutting rocks. L.I. Baron, L.B. Glatman. Nauch. soob. IGD 20:100-106 '63.

Testing the durability of parts of cutter chains. V.N. Getopanov, V.I. Zaikov. Nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no.41 33-40 '62

MINING RESEARCH

Objectives of scientific research in mining at deep levels of the Krivoy Rog Basin iron ore deposits M.I. Agoshkov. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no.1:3-11 Ja-Ag '63.

MINOR PLANETS see Planets, Minor

MINSK—COMMUNITY CENTERS

The Committee of Karl Liebknecht Street. S. Terekhov. Sov. deput. trud. no.9 53-54 S '63.

MINSK—EDUCATION, PRESCHOOL

Continuity between kindergarten and the first grade of a school. G. Petrochenko Doshk. vosp. 36 no.8 22-27 Ag '63.

MINSK—MACHINERY INDUSTRY

"I still cannot agree with you...." P. Poskrebyshev. Komm. Bel. 37 no.6,58-59 Ag '63.

MINSK—MILITARY EDUCATION

On a paramilitary march. Voen. znan. 39 no.9:20 S '63

MINSK—SOCIAL SCIENCES—STUDY AND TEACHING

Departments of Social Sciences. Z.Z. Dudich, A.T. Mukhin. Sbor. nauch. trud. Bel. politekh. inst. no.66: 66-71 '57.

MINSK—TRACTOR INDUSTRY

For technological development of the tractor industry. B.G. Sivak. Trakt. i sel'khozmash. 33 no.1:1-3 Ap '63.

MINSK PROVINCE—ATHEISM

For an effective and well-planned propaganda of atheism. R. Platonov. Komm. Bel. 37 no.8 52-57 Ag '63.

MINUSINSK BASIN—EPIGENESIS (GEOLOGY)

Secondary alterations of Devonian rocks in the South Minusinsk Lowland. N.A. Livalek. Geol. i geofiz. no.7:88-94 '63.

MINUSINSK BASIN—PALEONTOLOGY, STRATIGRAPHIC

Biostratigraphy of Devonian sediments in the South Minusinsk Lowland. V.I. Krasnov. Trudy SNIIGGIMS no.24 151-155 '62.

MIN'YAR—HISTORY

Min'yar underground. N. Larin Ogonek 11 no.22:10 My '63.

MIRRORS

Optical adjustment of plane mirrors. S.I. Kniazev, B.A. Charikov. Izm. tekh. no.8:22-23 Ag '63.

MISSIONARIES

Civilization the colonial way I. Borisova. Nauka i rel. 4 no.5 34-40 My '63

MITES

Biology of the mite Oryctolaelaps bibikovae Lange [with summary in English]. M.N. Slonov. Med. parazit. i parazit. bol. 32 no.1 43-45 Ja-F '63.

MITRAL VALVE—DISEASES

Clinical observations on mitral stenosis patients with active hypertension of the lesser circulation [with summary in English]. S.A. Kolesnikov and others. Grud. khir. 4 no.6 3-9 N-D '62.

Development of a second barrier in mitral defects [with summary in English]. V.E. Dashkovskii. Grud. khir. 4 no.6:22-25 N-D '62.

Pathomorphological changes in the mitral valve at various periods after commissurotomy [with summary in English]. IA.L. Rapoport and others. Grud. khir. 4 no.6: 17-22 N-D '62.

MIXING MACHINERY

Effectiveness of mixing by means of mechanical agitators under anisothermal conditions. E.Z. Chasovskii, F.F. Zigmund. Trudy KKHTI no.30:329-340 '62.

MAYO, MACHIAVELLI (Continued)

Protection of plants by means of mechanical agitators [illegible] transmitted through the stimulated tissues. E. Z. Chernyakhi, F. F. Zigel', [illegible] Plast. i sint. massy [illegible] 41]

MODELS, HISTORY see History, Models

MODULAR COORDINATION (ARCHITECTURE)

[illegible] Plast. i sint. massy [illegible]

MODULATION (ELECTRONICS)

[illegible] Radiotekhnika i elektronika [illegible]

[illegible] modulator [illegible] 1718 O

[illegible] Vestnik elektropromyshlennosti, no. 11, 1963. 47-51 N '63.

MODULATION THEORY

[illegible] Radiotekhnika i elektronika [illegible] 1422-1424

MOESSBAUER EFFECT

Gol'danskii, V. I. [Mossbauer effect and its application in chemistry] Effekt Messbauera i ego primenenie v khimii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 81 p.

MOGILEV—ECONOMIC GEOGRAPHY

Klukin, N. V. [Mogilev, a sketch on its history, geography and economy] Mogilev, istoriko-geograficheskii i ekonomicheskii ocherk. Minsk, Gosizdat BSSR, 1963. 121 p.

MOGILEV—HISTORY

Klukin, N. V. [Mogilev, a sketch on its history, geography and economy] Mogilev, istoriko-geograficheskii i ekonomicheskii ocherk. Minsk, Gosizdat BSSR, 1963. 121 p.

MOHAMMEDAN ANTIQUITIES see subdivision under Mecca

MOHAMMEDAN EMPIRE

Chistiakova, T. A. [Arab caliphate; a teacher's manual] Arabskii khilafat; posobie dlia uchitelia. Moskva, Gos. uchebno-ped. izd-vo, 1962. 156 p., fold. map. (MIC)

MOHAMMEDANISM

[illegible] Nauka i religiia [illegible] 4 [illegible] M. '63.

MOISTURE

(see also Submersion and... West Siberian Plain)

Investigation of the [illegible] of the permeability to moisture of polymer films of variable drops of humidity. N. A. Barannikov, Iu. S. Maloshuk. Izv. vys. ucheb. zav., [illegible] tekhnol. no. 4, 1963.

MOISTURE—MEASUREMENT

Capacitance transducer for measuring the moisture content of the coking charge in the flow. A. Z. Sukhanov, A. S. Khattanova, L. A. Grudin. Koks i khim., no. 9, 16-[illegible]

Electric thermodynamic meter. V. N. Larshov, N. M. [illegible] Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. tsvetn. metallov, no. 8, 39-40 '63.

MOISTURE IN TEXTILES

Forms and types of the bonds of moisture and textile fibers. L. V. Orlov, S. I. Dorgosheia. Izv. vys. ucheb. zav., tekhnol. legk. prom., no. 4, 149-152 '63.

MOLASSES

Determining fructose content of sugar beet molasses. V. P. Semenchenia. Spirt. prom., 29, no. 6, 4-7 '63.

Nonsugars of molasses and their role in the preparation of yeast. L. D. Belova. Khleb. i kond. prom., 7, no. 9, 14-16 S '63.

MOLDAVIA—AGRICULTURAL ADMINISTRATION

For timely and efficient guidance. Kommunist Moldavii, 8, no. 3, 3-8 Mr '63.

MOLDAVIA—ASPERGILLUS

New soil fungi of the genus Aspergillus. O. P. Kamyshko. Pochvovedenie, no. 12, 91-95 '63.

MOLDAVIA—ATHEISM—STUDY AND TEACHING

Not only children need an education. E. Darchinova. Doshkol'noe vo-p., 36, no. 9, 72 S '63.

MOLDAVIA—BANKS AND BANKING—ACCOUNTING

Calculating percentages on the "Optimatik" machine. I. Ia. Brian. Den. i kred., 21, no. 9, 72-74 S '63.

MOLDAVIA—BIBLIOGRAPHY

Kishinev. Gosudarstvennaia publichnaia biblioteka. *Moldavskoi SSR* (Literature about Moldavia; a comprehensive list of literature for 1957-1961) Literatura o Moldavii, svodnyi ukazatel' literatury za 1957-1961 gg. Kishinev, Partizdat TsK KP Moldavii, 1963, 99 p. [In Russian and Moldavian]

MOLDAVIA—CABBAGE—DISEASES AND PESTS

European cabbage moth (Barathra brassicae). N. A. Filippov. Zashch. rast. ot vred. i bol., 8, no. 8, 41-42 Ag '63.

MOLDAVIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Party news. Kommunist Moldavii, 8, no. 3, 75-80 Mr '63.

MOLDAVIA—CORN (MAIZE)

Corn as a multiple crop in Moldavia. L. I. Lukacheva. Zhurnal obshch. biol., 24, no. 2, 146-150 Mr-Ap '63.

MOLDAVIA—CRIMINAL PROCEDURE

Moldavian S. S. R. Laws, statutes, etc. [Code of criminal procedure of the Moldavian Soviet Socialist Republic. Adopted at the fifth session of the Fifth Supreme Soviet of Moldavia (March 24, 1961)] Ugolovno-protsessual'nyi kodeks Moldavskoi Sovetskoi Sotsialisticheskoi Respubliki. Priniat piatoi sessiei Verkhovnogo Soveta Moldavskoi SSR piatogo sozyva (24 marta 1961 g.). Kishinev, Kartia moldoveniaske, 1961. 210 p. [In Moldavian]

MOLDAVIA—ECONOMIC POLICY

Perfecting the planning method. R. Leviatov and others. Kommunist Moldavii, 8, no. 3, 28-38 Mr '63.

MOLDAVIA—FRUIT—DISEASES AND PESTS

A fly in the ointment. E. N. Sushchinskii. Zashch. rast. ot vred. i bol., 8, no. 8, 63 Ag '63.

MOLDAVIA—GAS, NATURAL—GEOLOGY

Possible lithologic oil and gas traps in Oxford sediments of the southeastern part of Moldavia. B. M. Polukhtovich. Geol. neft. i gaza, 7, no. 8, 38-42 Ag '63.

MOLDAVIA—GRAPES—DISEASES AND PESTS

A fly in the ointment. E. N. Sushchinskii. Zashch. rast. ot vred. i bol., 8, no. 8, 63 Ag '63.

MOLDAVIA—HISTORY

Mokhov, N. A., and K. V. Stratilevskii. [Role of the Russian and Ukrainian peoples in the history of Moldavia] Rol' russkogo i ukrainskogo narodov v istoricheskikh sud'bakh Moldavii. Pod red. E. M. Russeva. Kishinev, Gos. izd-vo "Kartia moldovenieske," 1963. 65 p.

MOLDAVIA—INDUSTRIAL HYGIENE

Garden republic. L. Sarelier. Okhr. truda i sots. strakh., 6, no. 9, 16-19 S '63.

MOLDAVIA—MEAT INDUSTRY

Expansion of refrigeration in the meat combines of Moldavia. V. Zusmanovich. Mias. ind. SSSR, 34, no. 4, 30-32 '63.

MOLDAVIA—MOTHS—EXTERMINATION

European cabbage moth (Barathra brassicae). N. A. Filippov. Zashch. rast. ot vred. i bol., 8, no. 8, 41-42 Ag '63.

MOLDAVIA—PETROLEUM GEOLOGY

Possible lithologic oil and gas traps in Oxford sediments of the southeastern part of Moldavia. B. M. Polukhtovich. Geol. neft. i gaza, 7, no. 8, 38-42 Ag '63.

MOLDAVIA—ROADSIDE IMPROVEMENT

Roadside planting in Moldavia. B. V. Dubina. Avt. dor., 26, no. 9, 10-11 S '63.

MOLDAVIA—SEED POTATOES

Preventing degeneration and increasing the yield of potatoes in southern regions. F. I. Nemchin. Vest. sel'khoz. nauki, 8, no. 3, 136-149 Mr '63.

MOLDAVIA—SERVICE INDUSTRIES—FINANCE

Problems of improving the consumer service industries. A. Kanaev, S. Tsap. Den. i kred., 21, no. 10, 39-42 O '63.

MOLDAVIA—SOCIAL LIFE AND CUSTOMS

Kravets', O. M. [M. M. Kotsiubyns'kyi on national customs] Kotsiubyns'kyi pro narodnyi pobyt. Kyiv, Vydvo Akad. nau Ukrains'koi RSR, 1963. 65 p.

MOLDING (CHEMICAL TECHNOLOGY)

Problems in the mechanics of packing of powdered polymers. V. P. Lebedev, L. B. Shtarkman, S. A. Arzhakov. Plast. massy, no. 6, 32-37 '63.

MOLDING (FOUNDING)

Volkomich, A. I. [Automatic control and mechanization of the shakeout of molds] Avtomatizatsiia i mekhanizatsiia vybivki form. Moskva, Mosk. dom nauchno-tekhn. propagandy im. F. E. Dzerzhinskogo, 1958. 33 p. [Peredovoi opyt proizvodstva. Serita "Tekhnologiia mashinostroenia" Liteinoe proizvodstvo, no. 20) [MICROFILM]

Compression equation. V. N. Mutilov. Lit. proizv., no. 8, 20-22 Ag '63.

Searching and correcting method of sand mixture distribution. N. T. Zharov, M. M. Kushch. Lit. proizv., no. 8, 13-14 Ag '63.

MOLE CRICKETS—EXTERMINATION see subdivision under Ukraine

MOLECULAR BEAMS

Generation of intensive molecular beams. Iu. N. Beliaev, V. B. Leonas. Vest. Mosk. un. Ser. 3, Fiz., astron. 18, no. 5, 34-42 S-O '63.

MOLECULAR BIOLOGY

Shvarts, A. L. [Code of life] Shifr zhizni. Moskva, Detgiz, 1963. 205 p. (DNLM)

Molecular mechanisms of the ontogenesis [illegible]. Zh. A. Medvedev. Zhurn. [illegible] 983-991 '63.

Structure and functions of living matter [illegible] level. R. S. Lipshinskaia. Vopr. filos. [illegible] '63.

MOLECULAR ROTATION

Rotational Raman spectra. Part 2. Vinyl [illegible] C2H4. Z. D. Gribova, V. I. Chulin, V. M. [illegible] Opt. i spektr., 15, no. 3, 390-394 S '63.

MOLECULAR SPECTRA

Effect of molecular adsorption on damping of the [illegible] of molecules in a plane-parallel layer. [illegible] Opt. i spektr., 15, no. 4, 576-580 O '63.

Gribov, L. A. [Theory of intensity in the infrared spectra of polyatomic molecules] Teoriia intensivnosti v infrakrasnykh spektrakh mnogoatomnykh molekul. Moskva, Izd-vo Akad. nauk SSSR, 1963. 191 p.

Mean energy of molecules at surface of liquid. V. A. Tolkachev, N. A. Borisevich. Opt. i spektr., 15, no. 3, 396-399 S '63.

MOLECULAR STRUCTURE

Afanas'ev, V. A. [Physical methods for study [illegible] molecular structure of inorganic compounds] Fizicheskie metody issledovaniia stroeniia molekul neorganicheskikh soedinenii. Frunze, Izd-vo Akad. nauk Kirg. SSR, 1963. 247 p.

MOLECULAR WEIGHTS

Equation for calculating the products of [illegible] reactions occurring in melts with a change in the number of moles. O. K. Sokolov. Izv. AN Kirg. SSR, Ser. estestv. nauk, Mat. i fiz.-mat. dela, no. 2, 73-79 Mr-Ap '63.

Rafikov, S. R., S. A. Pavlova, and I. I. Tverdovskaia. [Methods for determining the molecular weight and polydispersity of macromolecular compounds] Metody opredeleniia molekuliarnykh vesov i polidispersnosti vysokomolekuliarnykh soedinenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 334 p.

MOLECULES

Effect of intermolecular interaction on the [illegible] vitreous polymers. A. I. Chibanov, A. I. [illegible] Fiz. tver. tela, 5, no. 9, 2690-2698 S '63.

Kinetics of the decay of two-atomic molecules in the absence of vibrational equilibrium. [illegible] A. Romanov. Dokl. AN SSSR, 7, no. 6, 1276-[illegible] '63.

Mass-spectrometric study of the photoionization [illegible] called and the decay of excited molecules. [illegible] Akopian, I. I. Vilesov, A. N. Terenin, [illegible] Ser. fiz., 27, no. 8, 1083-1087 Ag '63.

Role of the thermal motion of molecules in the [illegible] ing of bands of Raman scattering of light. [illegible] rev. Izv. SO AN SSSR, no. 7, Ser. khim., no. 2, [illegible] '63.

Theory of nonradiative transitions in impurity [illegible] crystals. L. S. Kulushkin. Opt. i spektr., [illegible] 371 S '63.

MOLECULES—VIBRATION

Probability of impact generation of vibrations of atomic molecules. N. A. Generalov, V. A. [illegible] AN SSSR Ser. fiz., 27, no. 8, 1110-1112 Ag '63.

MOLLUSKS, FOSSIL see subdivision under Paleontology—[illegible] region; Soviet Far East

MOLYBDENITE see subdivision under Kalmyk

MOLYBDENUM

Extraction of rhenium and molybdenum sulfides from sulfuric acid solutions. A. A. Zaitsev [illegible] Zhur. neorg. khim., 8, no. 9, 2184-2186 S '63.

Hypochlorite treatment of [illegible] molybdenum [illegible] products. K. IA. Shapiro, V. V. Kulakova, [illegible] 36, no. 9, 80-88 S '63.

MOLYBDENUM—SPECTRA

Spectral radiation coefficients of tantalum, [illegible] and niobium. B. A. Khrustalev, L. P. Kolchina, [illegible] Rakov. Teplofiz. vys. temp., 1, no. 1, 113-[illegible] '63.

MOLYBDENUM SILICIDE—WELDING

Diffusion welding of molybdenum disilicide [illegible] ments (with summary in English). N. I. [illegible] Porosh. met., 3, no. 4, 106-110 Jl-Ag '63.

MONAZITE

Association of ilmenorutile with monazite in the [illegible] tites of Siberia. V. A. Kornetova. Trudy Min. [illegible] no. 14, 96-107 '63.

MONEY

(see also subdivision under Communist Construction)

"Money during the period of the building of [illegible] by P. M. Pavlov. Reviewed by I. Aizenbud'. [illegible] Kred., 21, no. 9, 89-92 S '63.

Turnover of goods, purchasing funds and cur[illegible] lation. S. Uosis. Sov. torg., 36, no. 9, 21-[illegible] '63.

MONGOLIA—ADULT EDUCATION
Cultural and educational work in our country. Sovr. Mong. 8 no. 2:21 F '63.

MONGOLIA—AUTOMOBILE DRIVERS
Native of Pamir. S. Demberel. Sovr. Mong. 8 no. 7 18-19 Jl '63.

MONGOLIA—CONSTRUCTION INDUSTRY
Development of construction in the Mongolian People's Republic. D. Bavuu. Ekon. stroi. no. 9 50-53 S '63.

MONGOLIA—CORN (MAIZE)
Masters of the new life. A. M. Krivel'. Sovr. Mong. 8 no. 7 14-15 Jl '63.

MONGOLIA—DESCRIPTION AND TRAVEL
Mongolia as seen by Americans. Az. i Afr. segs. no. 10 32-36 O '63.

MONGOLIA—ECONOMIC CONDITIONS
Across our land. Sovr. Mong. 8 no. 2 23 F '63.

MONGOLIA—ELECTIONS
Victory of socialist democracy. Sovr. Mong. 8 no. 7 11 Jl '63.

MONGOLIA—HISTORY
Glorious anniversary. M. Sanzhdorzh. Sovr. Mong. 8 no. 7 2 Jl '63.

MONGOLIA—INTELLECTUAL LIFE
Cultural and educational work in our country. Sovr. Mong. 8 no. 2:21 F '63.

MONGOLIA—MOTION PICTURE INDUSTRY
Development of the motion-picture industry in the Mongolian People's Republic. Sovr. Mong. 8 no. 2:8 F '63.

MONGOLIA—OPERA
"Eugene Onegin" on the Mongolian stage. Sovr. Mong. 8 no. 7 23 Jl '63.

MONGOLIA—PIONEERS (COMMUNIST YOUTH)
Beginning of summer vacations. Ts. Erdene-Bat, Zh. Sevegmid. Sovr. Mong. 8 no. 7 12-13 Jl '63.

MONGOLIA—POLITICS AND GOVERNMENT
Republic-wide conference on ideological work. Sovr. Mong. 8 no. 2:3 F '63.

MONGOLIA—STOCK AND STOCKBREEDING
Masters of the new life. A. M. Krivel'. Sovr. Mong. 8 no. 7 14-15 Jl '63.

MONGOLIA—STUDENT ACTIVITIES
Day student vacations. G. Dugersuren. Sovr. Mong. 8 no. 2:19 F '63.

MONGOLIA—UNIVERSITIES AND COLLEGES
Life, study and work.... L. Badamkhand. Sovr. Mong. 8 no. 7,16-19 Jl '63.

MONGOLIAN LANGUAGES—GRAMMAR, COMPARATIVE
Sanzheev, G.D. [Comparative grammar of the Mongolian languages, the verb] Sravnitel'naia grammatika mongol'skikh iazykov, glagol. Moskva, Izd-vo vostochnoi lit-ry, 1963. 266 p.

MONGOLIAN PERIODICALS
Press of the Mongolian People's Republic. Ts. Davazhamts and others. Sovr. Mong. 8 no. 7:6-10 Jl '63.

MONGOLIAN STUDIES
Mongolian studies abroad. E. Vandui. Sovr. Mong. 8 no. 7 20 Jl '63.

MONGOLS—NAME
How the Kitan called themselves; some new data. E. V. Shavkunov. Epig. Vost. no. 15:147-148 '63.

MONILIASIS
Candidiasis developing during griseofulvin treatment in microsporia. P. I. Ksanfopulo, L. V. Stroeva. Vest. derm. i ven. 37 no. 2:77-78 F '63.

MONOMYCIN
Use of monomycin with prednisolone and monomycin with lidase in some obstetrical and gynecological diseases. S. M. Gorbenko. Zdravookhranenie 6 no. 2:22-24 Mr Ap '63.

MONUMENTS
Monuments of the epoch; the Leninist plan of "monumental propaganda." Vl. Tolstoi. Mol. komm. no. 6:114-122 Je '63.
Chervonnaia, S. M. [Soviet monumental art] Sovetskoe monumental'noe iskusstvo. Moskva, Sovetskii khudozhnik, 1962. 71 p. illus. (Besedy ob iskusstve, no. 8) (MiU)

MOON—OBSERVATIONS
Calculating the orientation elements of the fundamental catalogs from lunar observations [with summary in English]. D. P. Duma. Dop. AN URSR no. 8:1041-1045 '63.
Mysteries of the Aristarchus crater. L. Vladimirov. Znan.-sila 38 no. 3:27 Mr '63.

MORAINES
(see also subdivision under Archangel Province, Baikal Lake region, Baltic Sea region, East European Plain; Estonia, Karelia, Khibiny Mountains, Kola Peninsula, Latvia, Lithuania, Mikulino region, Smolensk Province, Mozyr' Hills, Siberia, Western)
Rabochee soveshchanie po izucheniiu kraevykh obrazovanii pokrovnogo oledeneniia, Tallinn, 1961. [Resolution of the Conference on the Study of Marginal Formations of Continental Ice, organized by the Soviet Section of the International Association on Quaternary Research and the Institute of Geology of the Academy of Sciences of the Estonian S.S.R.] Reshenie... , organizovannogo Sovetskoi sektsiei INKVA i Institutom geologii Akademii nauk Estonskoi SSR. Tallinn, Akad. nauk Estonskoi SSR, 1961. 11 p.
Resolutions of the conference on the study of marginal glacial formations, Tallin, June 5-9, 1961. Trudy Kom. chetv. per. 21 169-172 '63.
Rabochee soveshchanie po izucheniiu kraevykh obrazovanii pokrovnogo oledeneniia, Tallinn, 1961. [Summaries of the reports of the Conference on the Study of Marginal Formations of Continental Ice, organized by the Soviet Section of the International Association on Quaternary Research and the Institute of Geology of the Academy of Sciences of the Estonian S.S.R.] Tezisy dokladov Rabochego soveshchaniia po izucheniiu kraevykh obrazovanii materikovogo l'da, organizuemogo Sovetskoi sektsiei INKVA i Institutom geologii Akademii nauk Estonskoi SSR. Tallinn, Akad. nauk Estonskoi SSR, 1961. 46 p.
Supplement to the resolutions of the conference on marginal formations proposed by G. I. Goretskii. Trudy Kom. chetv. per. 21 172-175 '63.
Supplement to the resolutions of the conference on marginal formations proposed by N. N. Sokolov. Trudy Kom. chetv. per. 21 172 '63.
Terminology and classification of marginal glacial formations of the continental glaciation. V. K. Gudelis. Trudy kom. chetv. per. 21 81-91 '63.

MORAL EDUCATION
Continuing the "overscrupulous" discussion. E. Rozanova. Mol. komm. no. 6 96-102 Je '63.
Let heroic deeds arouse the children's hearts. V. O. Sukhomlynskyi. Rad. shk. 12 no. 5 25-31 My '63.
Parents are the primary defendants. B. Riabinin. Sem'ia i shkola 16 no. 8:25-27 Ag '63.
Student training should be ideological. R. D. Brunshchikova. Sov. pedagog. 27 no. 8 10-19 Ag '63.
Training in honesty and truthfulness. E. Kabanova. Shkola-int. no. 4 27-29 Jl-Ag '63.
What is simplicity itself. M. Panch. Sem'ia i shkola 18 no. 9:17-19 S '63.

MORALE
Soldier is a proud name! Sov. voin. 15 no. 17:41-42 S '63.

MORDOVIA—EFFICIENCY, INDUSTRIAL
Rewarding initiative. N. Pilsiagin. Mest. prom. i khud. promys. 1 no. 1:21 Ap '63.

MORDOVIA—HISTORY
Saransk. Nauchno-issledovatel'skii institut iazyka, literatury, istorii i ekonomiki. [Mordovia during the Great Patriotic War, 1941-1945] Mordoviia v gody Velikoi Otechestvennoi voiny, 1941-1945, dokumenty i materialy. Saransk, Mordovskoe knizhnoe izd-vo, 1962. 565 p.
(MH)

MORDVINIAN A.S.S.R. see Mordovia

MORLAND, GEORGE 1763-1804
Krol', A. E. [George Morland and his paintings in the Hermitage] Dzhordzh Morland i ego kartiny v Ermitazhe. Leningrad, Izd-vo Gos. Ermitazha, 1963. 17 p. illus.

MORPHOGENESIS
Heterochronies in the setting of organs in vertebrates. S. V. Emel'ianov. Trudy Inst. morf. zhiv. no. 36 17-76 '63.

MORPHOLOGY (ANIMALS)
Role of A. N. Severtsov's works in the development of evolutionary morphology in the U.S.S.R. during the last 25 years (1936-1961). B. S. Matveev. Trudy Inst. morf. zhiv. no. 39:5-16 '63.

MORTAR
Automated block mortar unit. S. Savinov. Zhil. stroi. no. 6:32 '63.

MOSCOW—AERONAUTICS—STUDY AND TEACHING
Organizing an effective correspondence department. S. V. Moiseev. Vest. vys. shkoly 21 no. 9:23-26 S '63.

MOSCOW—ANTIAIRCRAFT ARTILLERY
At a new stage of combat skill. F. M. Bondarenko. Vest. protivovozd. obor. no. 11:11-14 N '61.

MOSCOW—ANTIQUITIES
Club of young archaeologists. A. Veksler. Nauka i zhizn' 30 no. 5:52-54 My '63.

MOSCOW—APARTMENT HOUSES
The occupancy and operation of apartment houses for single persons and families of two. P. Rudikov. Zhil. stroi. no. 6 7-9 '63.

MOSCOW—APARTMENT HOUSES—DESIGN AND CONSTRUCTION
Apartment house made of keramzit concrete slabs 22 cm. thick. L. Arievich, L. Tolstykh. Zhil. stroi. no. 6 26-28 '63.
Elements of an experimental building. B. Shapiro. Arkhit. SSSR no. 5 9-10 '63.
New type of experimental large-panel apartment house. V. Borisov, L. Balanovskii. Arkhit. SSSR no. 5 3-8 '63.
Planning principles of a building. I. Drubich, N. Naumova. Arkhit. SSSR no. 5 8-9 '63.

MOSCOW—ARCHIVES
Russia (1923- U.S.S.R.) TSentral'nyi gosudarstvennyi arkhiv literatury i iskusstva. [Guide to the Central State Archive of Literature and Art of the U.S.S.R., literature] Putevoditel', literatura. Moskva, 1963. 809 p.

MOSCOW—ART, MUNICIPAL
End of the "Blue Danube." Viktor Sorokhodov. Smena 10 no. 15-24-25 Ag '63.

MOSCOW—AUXILIARY POLICE
[People's patrol is going through the city] Narodnyi patrul' idet po gorodu. [Moskva] Moskovskii rabochii, 1963. 87 p.

MOSCOW—BAKERS
Recognition given to the workers of the bakery industry in Moscow. Khleb. i kond. prom. 7 no. 6 14-15 Je '63.

MOSCOW—BAPTISTS
Christenings at the Moscow Parish of Evangelical Christians and Baptists. S. V. S. Brat. list no. 3 65-72 '63.

MOSCOW—BEARING INDUSTRY
Every worker should have a high qualification. Ill. Stepanenko. Mashinostroitel' no. 9 1-5 S '63.

MOSCOW—BUILDING
Highways leading to communism. Ogonek 41 no. 21:1 My '63.

MOSCOW—CHEMICAL RESEARCH
Younger sister. I. Titova. Znan.-sila 38 no. 3:3-4 Mr '63.

MOSCOW—CHILDREN'S CLUBS
Club of young archaeologists. A. Veksler. Nauka i zhizn' 30 no. 5:52-54 My '63.

MOSCOW—CITY PLANNING
New residential districts of Moscow. Arkhit. SSSR no. 5 12-13 '63.

MOSCOW—CIVIC IMPROVEMENT
Workers' quarter. Nikolai Bykov. Ogonek 41 no. 22 1-7 My '63.

MOSCOW—CLOTHING INDUSTRY
Gagarin's suit. Mest. prom. i khud. promys. 1 no. 4:6 Ap '63.

MOSCOW—COMMUNITY CENTERS
Trip through a palace. Vera Shaposhnikova. Kult. i zhizn' 7 no. 1:32-35, 38-39 '63.

MOSCOW—CONSTRUCTION WORKERS
"Lukianov's structure." M. Vasil'ev. Sem'ia i shkola 18 no. 8 14-16 Ag '63.

MOSCOW—DRUG INDUSTRY
The force of communal work. A. Kochkurov. Part. zhizn' no. 13:41-46 Jl '63.

MOSCOW—ELECTRIC EQUIPMENT INDUSTRY
Improve norms for the number of auxiliary workers. S. Garulis, A. Burov. Sots. trud 8 no. 9:102-106 S '63.
Maintaining high technical standards. Iu. Tumanov. Vnesh. torg. 43 no. 9:34-36 '63.

MOSCOW—ELECTRIC MACHINERY INDUSTRY
Toward further successes in work and education. O. Maksimov. Part. zhizn' no. 19:48-54 O '63.

MOSCOW—ELECTRONIC DATA PROCESSING
Komarov, F. V. [Trends in the mechanization of engineering and management operations at enterprises and in organizations of the Moscow City Economic Council] Napravleniia mekhanizatsii inzhenernykh i upravlencheskikh rabot na predpriiatiiakh i v organizatsiiakh Moskovskogo sovnarkhoza, stenogramma doklada na Vserossiiskom soveshchanii po mekhanizatsii i avtomatizatsii inzhenernogo i upravlencheskogo truda v promyshlennosti i stroitel'stve. Leningrad, 1963. 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serita: Mekhanizatsiia inzhenernogo i upravlencheskogo truda)

MOSCOW—ENGINEERING—STUDY AND TEACHING

The scholar as an active partisan of technical progress, pledged of the collectives of Moscow institutions of higher learning. Vest. vys. shkoly, 21 no. 9 46 S '63

MOSCOW—EXHIBITIONS

Advanced practices and technology of reforestation and forest cutting operations on display at the Exhibition of Achievements of the National Economy of the U.S.S.R. D. T. Pozdnin. Les. khoz. 16 no. 9 66-71 My '63.

British Exhibition of Instruments. I. K. Petrov. Mekh. i avtom. proizv. 17 no. 8 48-53 Ag '63.

British exhibition of scientific and industrial instruments. Lit. i tekh. no. 8 56-57 Ag '63.

Display of "Standard Boilers for settlements and industrial enterprises" at the Exhibition of Achievements of the National Economy of the U.S.S.R. I. of Liando. Prom. energ. 18 no. 9 48-50 S '63

English exhibitions in the U.S.S.R. Mekhan. Marksheidera. Kult. i zhizn' 7 no. 8 25-26 '63

Enterprises of the Economic Council at the Exhibition of Achievements of the National Economy of the U.S.S.R. A. A. Erokhin. Zarubezh. Riaz. no. 2 69 D '61

Exhibition of household furniture specimens. Der. prom. 12 no. 10 2 O '63

Exhibitions. Achievements of the Indian people. F. Gorbunov. Sudostroenie 29 no. 9 9 '63

Furniture exhibition of the German Democratic Republic in Moscow. V. Sh. Feldman. Der. prom. 12 no. 9 28-29 S '63.

New exhibits in the nonferrous metallurgy department of the "Machinery manufacture" pavilion. TS. ekt. met. 36 no. 9 96 S '63.

Visiting the stands of the "Agriculture" pavilion. E. A. Trofimkina. Zashch. rast. ot vred. i bol. 8 no. 9 58-60 S '63.

MOSCOW—FIREMEN

The start. V. Semenov. Pozh. delo 9 no. 7 5 Jl '63

MOSCOW—FURNITURE INDUSTRY

Introduced on the initiative of the members of the Scientific and Technical Division. P. A. Davidenko. Der. prom. 12 no. 4 30-31 Ap '63.

Meeting of the key personnel engaged in the economy of the furniture industry of Moscow. Der. prom. 12 no. 4,31 Ap '63.

Meeting of the key woodworking personnel of the Moscow Economic Council. Der. prom. 12 no. 6 insert 2-3 Je '63.

Moscow furniture workers fulfill successfully their socialist obligations. Der. prom. 12 no. 10 insert 2-3 O '63

The USM-51-00 set of furniture. Der. prom. 12 no. 4, 2 of cover Ap '63.

MOSCOW—HIGHWAY TRANSPORT WORKERS

Example of a devotion to the service of the people. A. Vais. Avt. transp. 41 no. 9 4-5 S '63.

MOSCOW—HISTORIC HOUSES, ETC.

House on the "Razgulyay." Mikhail Kardashev. Nauka i zhizn' 30 no. 9 22-23 S '63.

MOSCOW—HISTORICAL MUSEUMS

The 80th anniversary of the State Historical Museum. V. G. Verzhbitskii. Vop. ist. 38 no. 9:135-137 S '63.

MOSCOW—HOSPITALS

Results of two-phase hospital service for patients. A. V. Zhivetskii. Med. sestra 22 no. 9:56-57 S '63.

MOSCOW—HOUSING

Block marching toward tomorrow. Vl. Pavlov. Ogonek 41 no. 41:16 O '63.

MOSCOW—ICE CREAM INDUSTRY

Summer snow. E. Vikiorov. Smena 40 no. 16-24-25 Ag '63.

MOSCOW—INDUSTRIAL HYGIENE

Board of the Ministry of Public Health of the R.S.F.S.R. has discussed the work of industrial sanitary supervision by the Kuybyshev District Sanitary and Epidemiological Station in Moscow. A. I. Gott. Zdrav. Ros. Feder. 7 no. 9 46-47 S '63

Sixty enterprises of the capital work without accidents. N. Mat[illegible] ... strakh. 6 no. 9

MOSCOW—LABOR AND LABORING CLASSES

Worker's quarter. Nikolai Bykov. Ogonek 41 no. 22:4-7 My '63.

MOSCOW—LIBRARIES

International cultural relations of the Lenin State Library. B. P. Kanevskii. Trud. Gos. bibl. SSSR 6 200-217 '62

Introduction. Trud. Gos. bibl. SSSR 6 3-7 '62

The Lenin State Library to the aid of the building of communism. I. P. Kondakov. Trudy Gos. bibl. SSSR 6 10-69 '62

The present state and the future of work with rare and valuable publications in the Lenin State Library. B. I. Kozlovskii. Trudy Gos. bibl. SSSR 6 155-176 '62

Reference and bibliographical service of the Lenin State Library to science, the national economy, and the communist education of the workers. I. U. Bagrova. Trudy Gos. bibl. SSSR 6 120-135 '62

The role and the place of the Lenin State Library in the system of methodological guidance to the libraries of the country. V. A. Khrenkova. Trudy Gos. bibl. SSSR 6 87-103 '62

MOSCOW—LITERARY MUSEUMS

Russia (1923- U.S.S.R.) TSentral'nyi gosudarstvennyi arkhiv literatury i iskusstva. [Guide to the Central State Archive of Literature and Art of the U.S.S.R., literature] Putevoditel', literatura. Moskva, 1963 809 p.

MOSCOW—MACHINE TOOL INDUSTRY—ACCOUNTING

Business accounting in shop sections. M. Muravchik. Sots. trud 8 no. 9 55-61 S '63.

MOSCOW—MACHINE TOOL INDUSTRY—MANAGEMENT

First steps toward model production administration. M. Korobov. Sots. trud. 8 no. 7 79-84 Jl '63.

MOSCOW—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

Kalugin, V. V. [Campaign against manual labor] Pokhod protiv ruchnogo truda. [Moskva] Moskovskii rabochii, 1963. 46 p.

MOSCOW—MACHINERY INDUSTRY WORKERS

The repaid advance payment. O. Gladkovskii. Mol. komm. no. 6:87-92 Je '63.

MOSCOW—MATHEMATICAL SOCIETIES

Meetings of the Moscow Mathematical Society. Usp. mat. nauk 18 no. 3 237-238 My-Je '63.

Summaries of papers submitted to the Moscow Mathematical Society. Usp. mat. nauk 18 no. 3:239-244 My-Je '63

MOSCOW—MANUSCRIPTS

Collecting and using manuscript materials in the Manuscript Department of the Lenin State Library in the light of the tasks confronting the social sciences. S. V. Zhitomirskaia. Trudy Gos. bibl. SSSR 6 177-199 '62

MOSCOW—MEDICAL RESEARCH

Largest in the world. M. M. Tarasov. Kul't. i zhizn' 7 no. 2:41-45 '63.

MOSCOW—MOTION-PICTURE FESTIVALS

Films from five continents. Sov. voin. 15 no. 17:42 S '63.

MOSCOW—MOTORBUS LINES

Bus itineraries for children. M. Korf. Avt. transp. 41 no. 10 11-12 O '63.

MOSCOW—OFFICE MANAGEMENT

Komarov, F. V. [Trends in the mechanization of engineering and management operations at enterprises and in organizations of the Moscow City Economic Council] Napravleniia mekhanizatsii inzhenernykh i upravlencheskikh rabot na predpriiatiiakh i v organizatsiiakh Mosgorsovnarkhoza; stenogramma doklada na Vserossiiskom soveshchanii po mekhanizatsii i avtomatizatsii inzhenernogo i upravlencheskogo truda v promyshlennosti i stroitel'stve. Leningrad, 1963 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serila. Mekhanizatsiia inzhenernogo i upravlencheskogo truda)

MOSCOW—POLITICS AND GOVERNMENT

State plan and the mandates of voters. M. Posnikov, V. Vishniakov. Sov. deput. trud. no. 9:61-69 S '63.

[illegible]UCTS—FINANCE

[illegible]ss accounting in a harbor section; [illegible]e of the Moscow Western Harbor] [illegible]porta; iz opyta raboty Moskov-[illegible]i. Moskva, Izd-vo "Rechnoi [illegible]p.

[illegible]LANTS

Combine. Sov. pech. no. 10,38

MOSCOW—RUBBER INDUSTRY—LABOR PRODUCTIVITY

Labor productivity at the "Kauchuk" Plant. [illegible]gel'skii. Kauch. i rez. 22 no. 8 54 Ag '63

MOSCOW—SANITARY ENGINEERING—RESEARCH

Imaginary prosperity. I. Riabik. Part. [illegible] 52 Jl '63

MOSCOW—SPORTS

With the emblem. A. Zil'berbort. Smena [illegible] 29 Ag '63.

MOSCOW—STUDENTS, FOREIGN

Helping hand. Amanaani i Uidzhenaiiki. [illegible] 7 no. 8 39-40 '63.

MOSCOW—TECHNICAL EDUCATION

In the technical schools of the Moscow City Council. A. I. Khmelnitskaya. Sred. spets. [illegible] no. 9 11-15 S '63.

MOSCOW—TECHNICAL SOCIETIES

Toward a new animation of the activity of [illegible] A. Churinov. NTO 5 no. 8:33-34 Ap '63.

MOSCOW—THEATER

John Proctor's rebellion. G. Ul'fanov. Sovet. [illegible] no. 5 87-88 My '63

Motion-picture actors on the stage. N. Tolchan[illegible] Isk. kino 33 no. 8 91-95 '63.

MOSCOW—TRAFFIC ACCIDENTS

It is the first mistake that costs. N. Makar[illegible] bezop. dvizh. 6 no. 7 12-13 Jl '63.

An offender is on the road. V. Pankov. Za [illegible] 6 no. 7:5 Jl '63.

Silent narrators. M. Mironov. Za bezop. dvizh[illegible] no. 7,11 Jl '63.

MOSCOW—TRANSPORTATION, AUTOMOTIVE

Transportation expenses should be accounted for. A. Gushchina. Avt. transp. 41 no. 5 [illegible] '63.

Voluntary inspection finds fresh power. G. Zarapet[illegible] Avt. transp. 41 no. 10 7-8 O '63.

MOSCOW—VENEERS AND VENEERING

"There" or we? F. Rodionov. Smena 40 [illegible] Ag '63.

MOSCOW—VOCATIONAL EDUCATION

Conference of innovators. Prof.-tekh. obr. [illegible] Jl '63.

MOSCOW PROVINCE—CARROTS AND BEETS

Carrots as a valuable forage crop. I. A. Bobe[illegible] Zhivotnovodstvo 24 no. 5:16-17 My '62.

MOSCOW PROVINCE—FOREST MANAGEMENT

Technological process of gradual cutting [illegible] ervation of young growth. V. G. Atroshkin. [illegible] 16 no. 8:17-21 Ag '63.

MOSCOW PROVINCE—HOME NURSING

Economic evaluation of the care of patients [illegible] tal in the home" method. I. IA. Bobokhod [illegible] Burmistrova, A. IA. Rzhevskaia. Zdrav. Ros. [illegible] 7 no. 6:6-12 S '63.

MOSCOW PROVINCE—INDUSTRIAL EQUIPMENT

Modernization of equipment in the enterprises [illegible] cow Economic Council. I. V. Gellert. Mat. [illegible] inform. Gos. nauch.-issl. inst. nauch. i tekhn. [illegible] no. 8:77-79 '63.

MOSCOW PROVINCE—INDUSTRIAL ORGANIZATION

Specialization is an important condition for the [illegible] of communal labor. N. Razumov. Sots. trud. [illegible] 71-78 Jl '63.

MOSCOW PROVINCE—LABOR PRODUCTIVITY

Control over the utilization of working time. P. [illegible] Sots. trud 8 no. 9 76-80 S '63.

MOSCOW PROVINCE—LAND—CLASSIFICATION

Markova, M. V. [Practical application of economic evaluation of land] O prakticheskom primenenii ekonomicheskoi otsenki zemli. [Moskva] Moskovskii rabochii, 1963. 57 p. (Ucheneye predlagaiut)

MOSCOW PROVINCE—MOTION-PICTURE AUDIENCE

Moscow is a stone's throw.... A. Dasmanov. Iskusstvo kino 33 no. 8:113-114 '63

MOSCOW PROVINCE—SOILS

Relation of some soil characteristics in western [illegible] the Moscow region to parent materials and the [illegible] phologic structure of the area [with summary in English]. N. P. Kolpenskaia, O. S. Rostovtseva. [illegible] no. 2 62-71 '63.

MOSCOW PROVINCE—STOCK AND STOCKBREEDING

Kondrat'ev, A. I. [The new tested by life] Novoe, [illegible] rennoe zhizn'iu. [Moskva] Moskovskii rabochii [illegible] 61 p.

(DNAL)

MOSCOW PROVINCE—TEXTILE INDUSTRY—LABOR PRODUCTIVITY

Reducing night shift results in higher labor productivity O. Semenova. Sots. trud 8 no.9 81-84 S '63.

MOSCOW PROVINCE—TICKS

Simplification of the method used in forecasting the quantity of ticks of the genus Ixodes occurring in pastures and some data concerning their biology [with summary in English]. L. V. Babenko, M. A. Rubina. Med. parazit. i parazit. bol. 32 no.1,13-18 Ja-F '63.

MOSCOW PROVINCE—TIME STUDY

Control over the utilization of working time. P. Kozlov. Sots. trud 8 no.9 76-80 S '63.

MOSCOW PROVINCE—VEGETABLE GARDENING

Production of vegetables and potatoes on specialized state farms in Moscow Province [with summary in English]. M. A. Nikiforov, A. V. Pudina. Izv. TSKHA no.2 204-212 '63.

MOSCOW PROVINCE—VETERINARY MATERIA MEDICA AND PHARMACY

Application of gilsin on collective and state farms of Moscow Province. I. F. Chingaev, O. A. Gavrilova. Veterinariia 39 no.11:65-66 N '62.

MOSCOW PROVINCE—WHEAT

Transforming poorly wintering winter wheats into winter-hardy varieties. V. K. Karapetian. Vest. sel'khoz. nauki 8 no.3:75-77 Mr '63.

MOSCOW PROVINCE—WHEAT—VARIETIES

Transforming spring wheat into winter wheat in Moscow Province. A. T. Trukhinova. Vest. sel'khoz. nauki 8 no.3,72-75 Mr '63.

MOSCOW REGION—ANTIQUITIES

Portraits of the first Muscovites. A. Veksler. Znan.-sila 38 no.3:53 Mr '63.

MOSCOW REGION—APPLE

Extent and distribution of the apple root system as related to various factors [with summary in English]. V. A. Kolesnikov. Izv. TSKHA no.2:85-100 '63.

MOSCOW REGION—CORN—(MAIZE)—VARIETIES

Golden ears of corn in the Moscow region. A. Lozhachko. Nauka i zhizn' 30 no.5:26-30 My '63.

MOSCOW REGION—GUIDEBOOKS

Kudelin, P. G. [The Moscow environs; a concise manual] Vokrug Moskvy, kratkii spravochnik. Moskva, Moskovskii rabochii, 1963. 238 p.

MOSCOW REGION—TETRACORALLA, FOSSIL

Microstructure of the skeleton elements of some Middle Carboniferous Rugosa in the Moscow region. V. V. Solov'eva. Paleont. zhur. no.3:113-116 '63.

MOSCOW UNIVERSITY

Dean's election. Vest. Mosk. un. Ser. 1, Geol. 18 no.3 76 My-Je '63.

MOSQUITOES
(see also subdivision under Churapcha; Poland)

Etiology and pathogenesis of dermatoses caused by mosquito bites [with summary in English]. S. I. Burmanov. Vest. derm. i ven. 37 no.2:45-48 F '63.

MOSSES see subdivision under Antarctic regions; Zugdidi District

MOSSES, FOSSIL see subdivision under Bashkiria

MOTHS—EXTERMINATION see subdivision under Moldavia

MOTION

Correlation between the forms of motion and the categories of matter in nature [with summary in English, pp.185-186]. E. P. Solopov. Vop. filos. 17 no.8:143-154 '63.

Steadiness of certain cases of the motion of solid bodies with one fixed point for a finite time interval. I. I. Vovchenko. Trudy KAI no.68,3-10 '62.

Turbulent characteristics of processes in the case of unsteady motion [with summary in English]. A. M. Shabrin. Dop. AN URSR no.8:1030-1034 '63.

MOTION-PICTURE AUDIENCES
(see also subdivision under Krasnodar Territory; Kursk Province; Moscow Province, Shchelykovo)

From the editor. Isk. kino 33 no.8:117-118 '63.

MOTION-PICTURE CAMERAS

Attachment for the "Konvas-Avtomat" motion-picture camera. I. N. Persidskii. Tekh. kino i telev. 7 no.9 70-71 S '63.

Lavrent'ev, V. I., and V. G. Peli'. [High-speed motion-picture photography with the SKS-1 camera] Skorostnaia kinos"emka kameroi SKS-1. Moskva, Izd-vo "Iskusstvo," 1963. 221 p.

MOTION-PICTURE CRITICISM

Instructive story of motion pictures. IA. S. Bilinkis. Rab. lit. 7 no.4 125-130 Ji-Ag '63.

MOTION-PICTURE FESTIVALS see subdivision under Moscow

MOTION PICTURE INDUSTRY see subdivision under Mongolia

MOTION PICTURE PHOTOGRAPHY

Blistering of water-containing vulcanic glasses (perlites) studied by motion-picture photography [with summary in English]. M. P. Volarovich, A. I. Polinkovskaia, I. N. Avits. Koll. zhur. 25 no.5:512-514 S-O '63.

Determining the leading and lagging of the metal being rolled by the motion-picture photography method. IU. P. Abdulov. Trudy Inst. met. UFAN SSSR no.9:69-75 '62.

MOTION-PICTURE PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

[Photographic and motion-picture equipment] Ref. zhur.: Fotokinotekh. nos.10-11 O-N '63.

MOTION-PICTURE PHOTOGRAPHY—SCIENTIFIC APPLICATIONS

International conference on scientific motion pictures. Tekh. kino i telev. 7 no.9 92 S '63.

MOTION-PICTURE PHOTOGRAPHY, HIGH-SPEED

Lavrent'ev, V. I., and V. G. Peli'. [High-speed motion-picture photography with the SKS-1 camera] Skorostnaia kinos"emka kameroi SKS-1. Moskva, Izd-vo "Iskusstvo," 1963. 221 p.

MOTION-PICTURE PLAYS
(see also subdivision under Germany, East)

..., But life departs from the film. Georgii Kapralov. Isk. kino 33 no.8 69-75 '63.

Cain's kingdom, ... S. T. Simbal. Isk. kino 33 no.8:79-81 '63.

From everywhere. G. Bogemskii. Isk. kino 33 no.8 147-151 '63.

How they clip wings. L. Gurevich. Isk. kino 33 no.8 75-78 '63.

Motion-picture schedule. Isk. kino 33 no.8:155-156 '63.

On the screens of the world. Isk. kino 33 no.8:137-142 '63.

Place of the artist in the battle of ideas: Soviet motion-picture employees respond to the Central Committee of the Party with creative work. Grigorii Chukhrai and others. Isk. kino 33 no.8:1-11 '63.

Remembering the thirties, ... D. Del'. Isk. kino 33 no.8,101-105 '63.

When a "quest" is nothing more than a pseudonym of banality. Larisa Kriachko. Isk. kino 33 no.8:12-16 '63.

MOTION-PICTURE PROJECTION
(see also subdivision under Konstantinovskiy District)

Anderog, G. F. [Regulation of motion-picture projecting and sound-reproducing apparatus] Regulirovka konoproektsionnoi i zvukovosproizvodiashchei apparatyry. Pod red. S. M. Provornova. Moskva, Izd-vo "Iskusstvo," 1963. 207 p. (Biblioteka kinomekhanika)

MOTION-PICTURE SCREENS

Pay more attention to the wide screen [with summary in English on p.96]. A. A. Lapauri. Tekh. kino i telev. 7 no.9 90-91 S '63.

MOTION-PICTURE THEATERS see subdivision under Belgorod

MOTION-PICTURE THEATERS—DESIGN AND CONSTRUCTION see subdivision under Berlin, East

MOTION PICTURES
(see also subdivision under France; Great Britain; Tanganyika; Ukraine; United States)

Abstracts section. Tekh. kino i telev. 7 no.9:79-80 S '63.

Correspondence with readers and movie-goers. Isk. kino 33 no.8:152-154 '63.

The game is worth it. L. Trauberg. Nauka i zhizn' 30 no.5:76-81 My '63.

Introduction. V. Shakhidzhanian. Sem'ia i shkola 18 no.8:38 Ag '63.

Miasnikov, G. A. [The motion-picture artist] Khudozhnik kinofil'ma. [Moskva] Izd-vo "Iskusstvo", 1963. 96 p. illus.

A motion picture on the destiny of a generation. R. IUrenev. Nov. vrem. 21 no.38 18-19 S '63.

"The sky yielded to them." Vl. Baulin. Sov. voin. 45 no.15:46 Ag '63.

Truth of immortality. L. Virina. Ogonek 41 no.40:18 S '63.

MOTION PICTURES—AESTHETICS

Reactionary conceptions of modern bourgeois aesthetics in motion pictures. Isk. kino 33 no.8 120-128 '63.

MOTION PICTURES—PERIODICALS

In foreign magazines. M. Goldovskaia, I. Rubanova. Isk. kino 33 no.8 143-146 '63.

MOTION PICTURES—RELIGION see subdivision under Italy

MOTION PICTURES—RESEARCH

Use of theater television systems as a means for expanding the network of motion-picture theaters in the U S S R [with summary in English on p.96]. E. M. Goldovskii, N. I. Tel'nov. Tekh. kino i telev. 7 no.8:1-6 S '63.

MOTION PICTURES, ANTIRELIGIOUS

Small wheel of history. Inna Levshina. Isk. kino 33 no.8,83-85 '63.

MOTION PICTURES, DOCUMENTARY
(see also subdivision under Georgia)

About people, heroism and communism. Ogonek 41 no.22:26-27 My '63.

Encroachment upon life. Konst. Slavin. Isk. kino 33 no.8 86-91 '63.

Key to the Russian miracle. V. Os'minin. Kul't. i zhizn' 7 no.8 33-35 '63.

Large-scale chemistry on the screen. IU. Poshemanskii, IU. Pepin. Agitator no.20 62-63 O '63.

Lines, eternally alive. N. Genina. Ogonek 41 no.21:8 My '63.

Pattern of a miracle. Aleksandr Efremov. Smena 40 no.16 10-11 Ag '63.

MOTION PICTURES, DOCUMENTARY—AWARDS

Vovka Gullaev is alive! IA. Tolchan. Sov. Kras. krest 13 no.2 22-23 Mr-Ap '63.

MOTION PICTURES, ITALIAN

Labor movement "Hands on the town." B. G. Nov. vrem. 21 no.40 13 O '63.

MOTION PICTURES IN AGRICULTURE see subdivision under Tselinograd Province

MOTION PICTURES IN EDUCATION

Use of motion pictures during lectures on pedagogics. Z. S. Uzhhina, O. V. Sysoleva. Rad. shk. 42 no.5:98-99 My '63.

MOTION PICTURES IN FORESTRY

Motion-picture propaganda of lumbering machinery. I. Lositskaia, A. Bukarev. Les. prom. 41 no.7 2 of cover, 21 Jl '63.

MOTION PICTURES IN SCIENCE

Encroachment upon life. Konst. Slavin. Isk. kino 33 no.8 86-91 '63.

MOTION STUDY

Effect of hearing on the rate of the motor reaction in man. A. O. Kostanian. Zhur. eksp. i klin. med. 3 no.1:79-85 '63.

MOTOR FUELS—THERMAL PROPERTIES

Effect of tar substances on the thermal stability of motor fuels [in Azerbaijani with summary in Russian]. M. A. Mardanov, G. Z. Alekperov, L. G. Ismailova. Azerb. neft. khoz. 42 no.1 34-36 Ja '63.

MOTOR VEHICLES

Abroad. Avt. transp. 41 no.10:52-58 O '63.

Are such handbooks needed? A. Gal'burt. Avt. transp. 41 no.5:62-63 My '63.

Exchange of experience. Avt. transp. 41 no.9:50-56 S '63.

Motor vehicle for emergency repair work in cable communication networks. E. V. Gluvchinskii, N. P. Sadovnichii. Vest. sviazi 23 no.9:7-8 S '63.

Readers' letters. A. Kislovskii. Avt. transp. 41 no.10: 46 O '63.

Lylov, D. V., V. V. Suslo, ikov, and A. V. Zazovit. [Special purpose motor vehicles for fire prevention] Avtomobili spetsial'nykh sluzhb pozharnoi okhrany. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1960. 274 p.

A useful book for machine operators. V. M. Sukharev. Trakt. i sel'khozmash. 33 no.4:47-48 Ap '63.

MOTOR VEHICLES—BATTERIES

Using microcurrents for charging storage batteries. IU. Lisovskii. Avt. transp. 41 no.10 20-22 O '63.

MOTOR VEHICLES—BIBLIOGRAPHY see Bibliography—Motor vehicles

MOTOR VEHICLES—BRAKES

Improving braking properties of motor vehicles. V. G. Rozanov. Avt. prom. 29 no.10,20-22 O '63.

Limit for increasing the efficiency of an exhaust brake and speed reducer. M. I. Pogosbekov. Izv. vys. ucheb. zav.; mashinostr. no.6:102-109 '63.

MOTOR VEHICLES—COLD WEATHER OPERATIONS
Infrared heaters in open parking areas. V. Parfenov. Avt. transp. 41 no. 5:51 My '63.

MOTOR VEHICLES—DYNAMICS
Analytic calculation of motor-vehicle acceleration time and distance with consideration of the variable value of the coefficient of rolling resistance. V. L. Bel'skii. Avtomob. prom. no. 10:10-13 O '63.

MOTOR VEHICLES—ENGINES
Standardize the engines of log transporting machines. A. M. Gol'tsberg. Les. prom. 41 no. 8:11 Ag '63.

Artamonov, M. D., and G. P. Pankratov. [Theory and design of motor-vehicle and tractor engines] Teoriia, konstruktsiia i raschet avtotraktornykh dvigatelei. Moskva, Mashgiz, 1963. 520 p.

MOTOR VEHICLES—INSPECTION
Positive and negative results. V. Murashov. Za bezop. dvizh. 6 no. 7:1-2 Jl '63.

MOTOR VEHICLES—LIGHTING
"Automobile lamps and lighting devices." I. S. Sokolov. Reviewed. V. Borodachev. Avt. transp. 41 no. 9:61 S '63.

MOTOR VEHICLES—LUBRICATION
Winter-weather oil for V-type carburetor engines. O. Onlevskova, V. Protasov, T. Kiseleva. Avt. transp. 41 no. 10:47-50 O '63.

Mechanized lubrication in automotive transportation units. I. Ermolenko, M. Kotsiuba. Avt. transp. 41 no. 9:17-22 S '63.

Mechanical lubrication unit. V. Beletskii. Avt. transp. 41 no. 5:20 My '63.

Qualities of crankcase oils for motor-vehicles carburetor engines. I. F. Blagovidov, I. E. Zhalmin. Standartizatsiia 27 no. 9:23-25 S '63.

MOTOR VEHICLES—MAINTENANCE AND REPAIR
(see also subdivision under Siberia)

Exchange of experience. Avt. transp. 41 no. 10:47-48 O '63.

Improving the repair of cardan joints. A. Silkin, V. Kakuevitskii. Avt. transp. 41 no. 9:29-31 S '63.

[Mechanic for repairing motor vehicles and tractors] Slesar' po remontu avtomobilei i traktorov. [By] B. G. Baer i dr. Moskva, Mashgiz, 1963. 318 p.

Organizing technical assistance for motor vehicles on highways. A. Malyshev, A. Shustov, V. Udov. Avt. transp. 41 no. 5:23-24 My '63.

Regulations on the maintenance and repair of the rolling stock used in automotive transportation. E. Kuznetsov, G. Tovarev. Avt. transp. 41 no. 5:16-18 My '63.

Chekrygin, I. G. [Safety measures in the maintenance and repair of motor vehicles] Tekhnika bezopasnosti pri pri tekhnicheskom obsluzhivanii i remonte avtomobilei. Izd. 5., ispr. Moskva, Avtotransizdat, 1963. 71 p.

Unified specifications for the receiving for overhauling, and the delivery after overhauling of motor vehicles, their parts and units. V. Chepelevskii, I. Tumanov. Avt. transp. 41 no. 10:28-29 O '63.

Ukraine. Ministerstvo avtomobil'nogo transporta i shosseinykh dorog. Tekhnicheskoe upravlenie. [Unified specifications TU 10-62 MATShD USSR for the receiving for overhauling and the delivery after overhauling of motor vehicles, their parts and units] Edinye tekhnicheskie usloviia na sdachu v kapital'nyi remont i vydachu iz kapital'nogo remonta avtomobilei ikh agregatov i uzlov TU 10-62 MATShD USSR. Kiev, Gostekhizdat USSR, 1963. 20 p.

Using the matching method in assembling the engine and gearbox. K. Koshkin and others. Avt. transp. 41 no. 9:24-26 S '63.

MOTOR VEHICLES—STARTING DEVICES
Hydropneumatic starter. V. Kychev. Tekh. v sel'khoz. 23 no. 3:72-73 Mr '63.

MOTOR VEHICLES—TIRES
Effective contact area of a tire tread with rough pavement surfaces. E. F. Nepomniashchii. Avt. prom. 29 no. 10:18-20 O '63.

MOTOR VEHICLES—TRANSMISSION DEVICES
Selection of transmission ratio series for a motor-vehicle transmission securing its speeding-up in the shortest time. L. G. Aniskin, Kh. D. Kvitko. Avt. prom. 29 no. 10:25-29 O '63.

MOTOR VEHICLES, AMPHIBIOUS
Amphibious patrol unit for lumber floating. A. B. Dobrov. Les. prom. 40 no. 3:14-16 Mr '62.

Pavlov, S. P. [Track-laying amphibious carrier K-6i] Gusenichnyi plavaiushchii transporter K-6i. Moskva, Voenizdat, 1963. 182 p. (Za voenno-tekhnicheskie znaniia)

MOTORBUS LINES see subdivision under Kalinin Province; Kaliningrad, Moscow

MOTORBUS LINES—FARES
(see also subdivision under Rostov-on-Don)

Cashbox or automatic cash register? A. Evstratov, V. Rumin. Avt. transp. 41 no. 10:12-14 O '63.

MOTORBUS LINES—STATIONS
(see also subdivision under Leningrad)

Difficulties and requirements for the design of motorbus stations. A. Marder. Avt. transp. 41 no. 5:13-14 My '63.

MOTORBUSES—SPRINGS
Investigating the air-spring suspension of the GM-1517 motorbus with flexible hose components. R. A. Akopian, B. I. Gershman. Avt. prom. 29 no. 10:15-16 O '63.

MOTORCYCLES
Gintsburg, M. G. [Construction and operation of motorcycles] Ustroistvo i obsluzhivanie mototsiklov. Izd. 2., perer. Moskva, Mashgiz, 1963. 316 p.

MOTORIZATION, MILITARY
Independent actions of small units. L. Korpun. Voen. vest. 42 no. 11:20-22 N '62.

Methodological exercises with sergeants on tactics. Janos Vizi. Voen. vest. 42 no. 11:41-42 N '62.

MOTORSHIPS
First ship for the Volga-Baltic Sea Waterway. P. Vyshkind. Rech. transp. 22 no. 9:10-11 S '63.

Operational qualities of the motorship "Professor Kerichev." N. Komissarov. Rech. transp. 22 no. 9:12-14 S '63.

MOTORTRUCKS
A book on the operation of logging trucks. M. Smirnov. Les. prom. 41 no. 7:29-30 Jl '63.

A manual on the operation of motortrucks. N. IA. Novorushchenko, B. I. Klymets'. Mekh. sil'. hosp. 14 no. 4:32 Ap '63.

Motortruck with freight-lifting tail gate. IA. Zarnitskii, IU. Polev. Avt. transp. 41 no. 9:42-44 S '63.

SL-1 self-unloading timber truck. I. Podgornyi, B. Zaprutskii, B. Rikis. Avt. transp. 41 no. 5:42-44 My '63.

Tow car with a hydraulic drive based on the UAZ-450D motortruck. I. P. Utkin. Avt. prom. 29 no. 10:17-18 O '63.

Trucks with improved roadability for agricultural work. E. S. Korchenko. Trakt. i sel'khozmash. 33 no. 5:47-48 My '63.

MOTORTRUCK—AXLES
Surface hardening of the semiaxles of the rear axle of the MAZ-200 and MAZ-205 motortrucks. N. I. Andriushchenko and others. Avt. prom. 29 no. 10:31-33 O '63.

MOTORTRUCKS—ENGINES—COOLING
Engine-cooling system of the ZIL-130 motortruck. A. Shaevich, A. Zubarev, B. Karavaev. Avt. transp. 41 no. 9:45-47 S '63.

MOTORTRUCKS—FUEL SYSTEMS
Fuel equipment of the IAMZ-236 engines. V. Bochkov, D. Rubets. Avt. transp. 41 no. 5:37-40 My '63.

MOTORTRUCKS—IGNITION
Proper adjustment of the ignition on the GAZ motortrucks. B. Levinson. Avt. transp. 41 no. 9:11 S '63.

MOTORTRUCKS—MAINTENANCE AND REPAIR
Utilization of worn-out bearing bushes of the GAZ-51 engine. V. Nikulin. Tekh. v sel'khoz. 23 no. 3:66-67 Mr '63.

Welding truck parts with natural gas. V. N. Averianov. Mekh. sil'. hosp. 14 no. 4:20-21 Ap '63.

MOUNDS see subdivision under Transcarpathia

MOUNTAIN ROADS
Determining the laying of upper slopes of mountain roads. I. B. Korzhenevskii, A. A. Loenko, V. A. Cherevkov. Avt. dor. 26 no. 9:23-24 S '63.

MOUNTAIN WARFARE
Characteristics of the offensive of a company in the mountains. P. Belous. Voen. vest. 43 no. 9:17-19 '63.

Signal company in the mountains. V. Vinogradov. Voen. vest. 43 no. 9:98-99 S '63.

Use of armored carriers in the mountains. V. Ivolov. Voen. vest. 42 no. 11:33-35 N '62.

MOUNTAINEERING
In the world of peaks, glaciers and rocks. Valentin Bol'shakov. Nauka i zhizn' 30 no. 5:51 My '63.

Abalakov, Evgenii. [On the highest summits of the Soviet Union] Na vysochaishikh vershinakh Sovetskogo Soiuza. [Moskva] Izd-vo Akad. nauk SSSR, [1962]. 489 p.

MOUNTAINS see subdivision under Kazakhstan

MOUTH—CANCER
New models of instruments for radiotherapy [illegible] cancer of the base of the tongue and the [illegible] [with summary in English]. M. F. Vyazhlov [illegible], I. Kutinova. Med. rad. 7 no. 12:61-64 D '62.

MOUTH—DISEASES
Behçet's syndrome; A case report. N. I. Konon[illegible], E. D. Ozhelan, A. M. Palkin. Vest. derm. i ven. no. 2:81-85 '63.

MOVEMENT (PHYSIOLOGY)
Reflexometer with a plane screen and a device for measuring the speed of motor reactions. In addition, [illegible]. Verkhalo, Ia. IA. Kiselev. Trudy Ural. [illegible] no. 8:47-49 Ag '63.

MOZYR' HILLS—MORAINES
Accumulation of loess material in the depositional [illegible] of terminal moraine (as exemplified in the [illegible] Hills). V. K. Lukashev, V. M. Sologub. Dokl. Vses. [illegible] 7 no. 8:514-517 Ag '63.

MUCOUS MEMBRANE
Restorative processes in the mucous membrane of the duodenum after a radiation injury. L. A. Chelidze. Dokl. AN SSSR 151 no. 6:1450-1451 Ag '63.

MUENSTER—HISTORY
Rule of the plebeian masses of Muenster. IA. [illegible]. Sred. vek. no. 24:149-162 '64.

MUKHINA, VERA IGNAT'EVNA, 1889-1953
A hymn to labor. M. Klimova. Znam. [illegible] 39 no. 11:214 Jl '63.

MUKHINO REGION (AMUR PROVINCE) —GEOLOGY
Possombronia longiseta Aust., a liverwort [illegible] U. S. S. R. for the first time. K. I. Lad'[illegible]. Bot. mat. Otd. spor. rast. 16:165-167 '63.

MULBERRY BREEDING see subdivision under [illegible]

MULTIPLE SCLEROSIS
Sensibility disorders in multiple sclerosis [with [illegible] in English]. A. I. Shul'ga. Vrach. delo no. 8:[illegible] '63.

MUMPS—VIRUS
Study of mumps viruses in some tissue cultures [illegible] analysis in a neutralization reaction [with [illegible] English]. Vop. virus. 8 no. 3:353-357 My-Je '63.

MUNICIPAL GOVERNMENT
Town meetings. V. Stepanov. Sov. deput. trud. [illegible] 91-92 Je '63.

MUNICIPAL SERVICES—FINANCE
Communal housing and services should not be [illegible]able. I. V. Belyutin. Uchet i fin. v kolkhozakh [illegible] 20 no. 7:23-24 Jl '63.

MURADELI, VANO, 1908-
From mail of a Soviet soldier. V. Pertsovskii. Sov. voin. 45 no. 18, 19 S '63.

MURDER see subdivision under Malin District

MURGAB OASIS—SOIL MICROORGANISMS
Paletskaia, L. N. [Constant factors in the [illegible] microflora in the virgin soils and the irrigated [illegible] type soils of the Murgab Oasis] Zakonomernosti [illegible] tila mikroflory v tselinnykh i oroshaemykh takyr[illegible] nykh pochvakh Murgabskogo oazisa. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 85 p. (DNAL)

MURMAN COAST—ALGAE
Distribution of Fucus spiralis L. in the Murman[illegible]. K. L. Vinogradova. Bot. mat. Otd. spor. rast. [illegible] '63.

New algae from the Murman Coast. I. P. Ivanova. Bot. mat. Otd. spor. rast. 16:69-72 '63.

MURMANSK PROVINCE—BOTANY
Flora of Murmansk Province. O. I. Kuzenova. [illegible] 46 no. 8:1215-1216 Ag '61.

MUSCLES
Adaptive variability of muscular tissue and its [illegible] cal interpretation. L. I. Kokosa. Usp. sovr. biol. [illegible] no. 1:96-116 Jl-Ag '63.

The Seventh Conference on the Morphology, Physiology, and Biochemistry of Muscular Activity. M. I. Likina. Vop. antr. no. 13:140-151 '63.

MUSCLES—EXAMINATION
Determination of the electric activity of the muscles of the anterior abdominal wall in acute appendicitis. [illegible] Livshits. Eksper. khir. i anest. no. 1:31-36 [illegible].

MUSCLE RELAXANTS
Interaction of muscle relaxants and corticosteroid in modern anesthesia in heart surgery. V. A. Kozlov, IA. M. Khmelevskii. Eksper. khir. i anest. [illegible] '63.

MUSEUMS see also subdivision 'Art galleries and museums' under Bucharest, Irkutsk, Leningrad, Lvov

MUSHROOMS
(see also subdivision under Ukraine)
Akalonov, S. P. [Edible and poisonous mushrooms] Iadovitye i otravlenie griby. Kyiv, Derzhsil'hospvydav URSR, 1963. 41 p. illus.
With a full basket. B. Alekseenkov. Semia i shkola 18 no. 8 16-17 Ag '64.

MUSIC
(see also subdivision under Lodeynoye Pole District)
And the aesthetic education of the people. Mikh. Prekhradze. Sov. muzyka, no. 6 10-11 Ap '64.
Fresh wind of life. Sov. voin. 45 no. 16 10 Ag '63.

MUSIC—BIBLIOGRAPHY see Bibliography—Music

MUSIC HALLS (VARIETY THEATERS, CABARETS, ETC.)
see subdivision under Ukraine

MUSICAL ACCOMPANIMENT
Tikhomirov, G. V. [Melody and accompaniment] Melodiia i akkompaniement. Moskva, Sovetskii kompozitor, 1963. 28 p. (Besedy o samodeiatel'nym kompozitorami, no. 1)

MUSICAL INSTRUMENTS, ELECTRONIC
Electrification of music. B. Ivanov. IUn. tekh. 7 no. 8, 48 Ag '63.

MUSKRATS see subdivision under Kazakhstan

MUSTARD BREEDING
Effectiveness of controlled selection in hybrid populations of Indian mustard bred for the content of allyl oil in seeds. G. V. Voskresenskaia. Vest. sel'khoz. nauki 8 no. 3, 133-134 Mr '63

MUTUAL ECONOMIC ASSISTANCE COUNCIL
Articles of socialism (with summary in English, p. 64). A. Popov. Vnesh. torg. 13 no. 9 3-6 '64
By joint effort. Agitator no. 20 19 O '64
Cooperation of the Mutual Economic Assistance Council countries in developing fuel and power industries. N. Popov. Mir. ekon. i mezhdunar. otn. no. 9 100-105 '63.
The Mutual Economic Assistance Council and the problems of standardization. I. Maksimov. Mezhdunar. zhizn' 10 no. 10 133-141 O '63.
Successes of the economic cooperation among the members of the Mutual Economic Assistance Council. B. Ludygin, IU. Shiriaev. Polit. samoobr. 7 no. 10 113-118 O '63.
Volkova, O. I. [Sugar industry of the member-countries of the Council for Mutual Economic Aid] Sakharnaia promyshlennost' stran-uchastnits SEV. Moskva, Tsentr. in-ta pishch. prom., 1963. 31 p. [MICROFILM]
Tasks and prospects of the Mutual Economic Assistance Council. A. Alekseev. Mezhdunar. zhizn' 10 no. 9 21-29 S '63.

MYCENAE—INSCRIPTIONS
"Mycenaean syllable inscriptions; a critical study and comments" [in French] by Olivier Masson. Reviewed by S. IA. Lur'e. Vest. drev. ist. no. 1:111-119 '63

MYCOBACTERIUM TUBERCULOSIS
(see also subdivision under Kazakhstan)
Comparative examination of the chemical structure of Mycobacteria tuberculosis with various virulence. G. I. Stepanchenok-Rudnik, G. K. Shipitsina, I. V. Rodionova. Zhur. mikrobiol., epid. i immun. 10 no. 1 44-48 '63.
Problem of the synthesis of para-aminobenzoic acid by Mycobacterium tuberculosis and Staphylococcus albus [with summary in English]. I. M. Svetova. Zhur. mikrobiol., epid. i immun. 10 no. 1 25-29 '63.

MYCORRHIZA
Mycotrophy of Triticum-Agropyron hybrids [with summary in English]. L. M. Bulaeva. Bot. zhur. 48 no. 8 1131-1137 Ag '63.

MYCOSES
(see also subdivision under Belgorod Province; Erivan)
Experience in the treatment of patients with mycoses of the foot. G. K. Andriasian. Vest. derm. i ven. 37 no. 1 49-52 Ja '63.
Fungus disease of the upper canaliculus lacrimalis. V. I. Kuleshov. Zdravookhranenie 6 no. 2 55 Mr-Ap '63.
Griseofulvin in the treatment of trichomycoses. T. T. Tadzhibaev. Vest. derm. i ven. 37 no. 1 79 Ja '63.
Microonychoscopy in the diagnosis of onychomycoses [with summary in English]. G. V. Kolpikova. Vest. derm. i ven. 37 no. 1 46-49 Ja '63.
Role of nurses in treating fungus diseases of the nails. N. V. Kolokolova. Med. sestra 22 no. 8 23-26 Ag '63.
Use of a rosin-wax mixture for epilation in trichomycoses. O. O. Nurgev. Vest. derm. i ven. 37 no. 1 80 Ja '63.

MYCOSPHAERELLA see subdivision under Kedrovaya Pad' Preserve

MYENTERIC PLEXUS
Development of the neural and cellular elements of Auerbach's plexus of the small intestine in man. I. A. Gupalo. Vop. morfol. perif. nerv. sist. no. 6 116-133 '63.

MYIASIS
Treatment of myiasis lineans with hyposulfite and hydrochloric acid by the A. P. Denisenovich method. A. V. Dul'. Vest. derm. i ven. 37 no. 9 83-84 F '63.

MYOPIA
Myopia. B. L. Radzikhovskii. Med. sestra 25 no. 8 34-39 Ag '63.
Siege of myopia. A. Malinovskii. Nauka i zhizn' 30 no. 9 65-68 S '63.

MYRNYI, PANAS, 1849-1920
Panas Myrnyi's "Wicked people" and the literary works of revolutionary propagandists in the 1870's. L. M. Slekareva. Rad. lit. 7 no. 1 101-111 Ja-Ag '64

MYTHOLOGY
World and myth. A. Kondratov. Znan.-sila 38 no. 7 24-26 Jl '63.

NADEIN, ALEKSANDR PAVLOVICH, 1893-
Aleksandr Pavlovich Nadein, on his 70th birthday. N. I. Blinov. Vest. khir. 90 no. 3 130 Mr '63

NADZHAFOV, GUSEIN DADASHEVICH
New books from the Publishing House of the All-Union Volunteer Society for Assistance to the Army, Navy, and Air Force. Voen. znan. 39 no. 9 38 S '63

NAHUAS—ART see subdivision under Mexico

NAILS (ANATOMY)—DISEASES
Microonychoscopy in the diagnosis of onychomycoses [with summary in English]. G. V. Kolpikova. Vest. derm. i ven. 37 no. 1 46-49 Ja '63.
Role of nurses in treating fungus diseases of the nails. N. V. Kolokolova. Med. sestra 22 no. 8 23-26 Ag '63.

NAKHICHEVAN A. S. S. R.—COTTON—DISEASES AND PESTS
Evident advantages. I. A. Ibragimov. Zashch. rast. ot vred. i bol. 8 no. 9, 7-8 S '63.

NAKHICHEVAN A. S. S. R.—MILK VETCH
Tapping tragacanth-bearing milk vetches in the Nakhichevan A. S. S. R. A. A. Nikitin. Trudy Bot. inst. Ser. 5 no. 11 229-299 '63.

NAKHICHEVAN A. S. S. R.—WHEAT
Effect of sowing time and rates on the growth, development, and yield of winter wheat in the Nakhichevan Lowland. I. IU. Mekhtiev. Trudy Azerb. nauch.-issl. inst. zem. 12, 9-27 '62.

NAKHODKA—PLANT QUARANTINE
Nakhodka Station. T. I. Plotitsyna. Zashch. rast. ot vred. i bol. 8 no. 9, 11 S '63.

NAL'CHIK—CIRCULAR SAWS
New semiautomatic line. V. Klinchnikov, M. Barsukov. Les. prom. 40 no. 3, 10-11 Mr '62.

NAMDAG, D.
"People and years" by D. Namdag. Reviewed by G. Rinchensambu. Sovr. Mong. 8 no. 2, 15 F '63

NAMES, GEOGRAPHICAL—CONGRESSES
Spelling of geographical names. G. P. Bondaruk. Izv. AN SSSR. Ser. geog. no. 5, 153-155 S-O '63.

NAMES, GEOGRAPHICAL—KAZAKH
Spelling distortions in the geographical names of Kazakhstan, using the example of lakes in Kurgal'dzhino District, Tselinograd Province. T. R. Omarov. Trudy Otd. geog. AN Kazakh. SSR no. 10 115-116 '63.

NAMES, PERSONAL
Ugrimov, A. A. [Russian names] Russkie imena. [Vologda] Vologodskoe knizhnoe izd-vo, 1962. 116 p. (NIC)

NANAYSKIY DISTRICT—SKIN—DISEASES
Incidence of skin diseases in the indigenous population of Nanayskiy District. E. K. Bogdanova, K. I. Romanova, E. I. Batmanov. Vest. derm. i ven. 37 no. 1 72-73 Ja '63.

NAPHTHALENE
Destructive oxidation of α-nitronaphthalene under pressure. E. V. Kuznetsov, A. P. Bogdanov. Trudy KKHTI no. 30 89-91 '62.

NAPHTHALENE CRYSTALS—GROWTH
Statistical description of the stepped surface relief of β-methyl naphthalene. E. D. Dukova, A. A. Chernov. Kristallografiia 8 no. 5 765-769 S-O '63
Stepped surface relief of β-methyl naphthalene crystals growing from the melt. G. R. Bartini and others. Kristallografiia 8 no. 5 758-764 S-O '63

NARVA—JOURNALISM
Narva lights. M. Vaisman. Sov. pech. no. 9 42-43 S '63.

NARYN (TIEN SHAN)—MEAT INDUSTRY
Naryn Meat Combine (standard project No. 11-55). I. V. Vasil'ev. Mias. ind. SSSR 34 no. 4 15-16 '63.

NATIONAL PARKS AND RESERVES see subdivision under Crimea; Pechora Valley

NATIONAL PARKS AND RESERVES—RESEARCH
Research conducted by the state reservations of the R. S. F. S. R. IU. A. Isakov. Izv. AN SSSR, Ser. geog. no. 5 145-146 S-O '63.

NATIONALITIES
(see also subdivision under Uzbekistan)
Filipchuk, A. I. [Friendship and brotherhood of the Soviet nationalities] Druzhba i bratstvo radians'kykh natsiy. Kyiv, Derzhpolitvydav URSR, 1963. 26 p. (Moral'ni kodeks budivnyi komunizmu)
In a family of friends and brothers. I. Nazarov. Sov. pech. no. 8 1-6 Ag '63.

NATURAL HISTORY
End of summer. V. Parkhomenko. Doshk. vykh. 24 no. 8 36-37 Ag '63.
"More precious than gold," a collection of articles. I. P. Berestina. Biol. v shkole no. 1 93-95 My-Je '63.

NATURAL HISTORY—JUVENILE LITERATURE
For children about nature. B. Tropan. Doshk. vykh. 24 no. 8 12-15 Ag '63.

NATURAL HISTORY SOCIETIES see subdivision under Novorossiysk

NATURE PHOTOGRAPHY
Advice to photographers. B. A. Vorob'ev. Zashch. rast. ot vred. i bol. 8 no. 9 30-31 S '63.

NATURE STUDY
(see also subdivision under Khosrov region)
Alenka. K. Vasil'chenko. Semia i shkola 18 no. 8 18-19 Ag '63.
Daily observations of nature and work activities of man. E. A. Vakhrushova. Nach. shkola 31 no. 9 88-89 S '63.
First graders go out into a park. I. M. Oleshuk. Rad. shk. 42 no. 9 60-62 S '63.
Flying web. A. Klykov. Doshk. vosp. 36 no. 7 104 Jl '63.
[For you, tourists! How to conduct observations of nature during a trip] Vam, turisty! Kak provodit' nabliudenitia nad prirodoi v pokhode. Izd. 2, perer. i dop. [By] A. I. Davydov i dr. [Leningrad] Lenizdat, 1963. 280 p.
Forty-fifth anniversary of the young naturalist movement. V. A. Ponomarev. Biol. v shkole no. 3 50-56 My-Je '63.
Man and plants, a Pioneer meeting. A. V. Sokolova, M. V. Beklemisheva. Biol. v shkole no. 3 68-69 My-Je '63.
Shortcomings in the inculcation of a civilized attitude toward nature. IU. V. Rychin. Biol. v shkole no. 3, 55-59 My-Je '63.
Work in the environment of nature. V. Shumborskaia, A. Immamutdinova. Do shk. vosp. 36 no. 9 21-25 S '64.

NAUTICAL TRAINING SCHOOLS see subdivision under Leningrad

NAVAL ARCHITECTURE
Fedorov, A. S. [Science and ships] Nauka i korabli. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia. Fizika i khimiia, no. 17)

NAVAL ARCHITECTURE—BIBLIOGRAPHY see Bibliography—Naval architecture

NAVAL ARCHITECTURE—CONGRESSES
Thirteenth Scientific Technological Conference on the Theory of Ship Construction dedicated to the One-hundredth anniversary of Academician A. N. Krylov's birth. Sudostroenie 29 no. 8 75-77 Ag '63.

NAVAL DISCIPLINE
Petty officers are champions of regulation procedure on ship. R. IAkovlesov. Komm. Vooruzh. Sil 3 no. 18 62-66 S '63.

NAVAL EDUCATION
At the Leningrad Nakhimov Naval School. V. Pimenov. Sov. voin. 45 no. 17 16-17 S '63.
Demonstration training is going on. IU. Khrlashchev. Starsh. serzh. no. 5 12-13 My '63
"Literally their real father." V. Nikolaeva. Starsh. serzh. no. 5 18 My '63
Party Committee and scientific work at the academy. I. Mordvinov. Komm. Vooruzh. Sil 3 no. 18 26-32 S '63.
Training the personnel of a submarine to fight for the boat's power of survival. N. A. Denisov. Mor. shor. 46 no. 8 50-55 Ag '63.
Ways of increasing the active participation of trainees during the training of a ship's personnel. A. M. Stolia-renko. Mor. shor. 46 no. 8 50-55 Ag '63.

NAVIES
(see also subdivision under Russia, United States)
Brief news of foreign navies. Mor. shor. 16 no. 8 89-91 Ag '63.

NAVIGATION
(see also subdivision under Arctic regions; Ob' River)

Implementation of rules on the prevention of collisions when sailing in frozen waters. L. K. Shar-Baronov. Inform. sbor. TSNIIMF no. 67 Mor. pravo i prak. no. 14 30-35 '61.

Some problems in the theory of navigation. V. S. Shebshaevich. Dokl. AN SSSR 151 no. 6:1295-1298 Ag '63.

NAVIGATION (AERONAUTICS)

Selection of the main air line and the determination of coordinates. D. Vyar. Av. i kosm. 46 no. 9:38-45 S '63.

Suggestions, comments. Av. i kosm. 46 no. 9:68-71 S '63.

NAZAROV, GEORGII IVANOVICH, 1903-

G. I. Nazarov, on his 60th birthday. V. N. Andrianov and others. Elektrichestvo no. 9:92 S '63.

NEANDERTHAL RACE see subdivision under Mapa (Kwantung Province)

NEAR EAST—DESCRIPTION AND TRAVEL

In the Near East. M. Zikmund, J. Hanzelka. Mezhdunar. zhizn' 10 no. 9:119-126 S '63.

NEAR EAST—DOMESTIC ANIMALS

Gazelles and antelopes as forerunners of domestic animals in the ancient Orient [in German]. B. Brentjes. Mat. po etn. Grup. no. 12/13:199-213 '63.

NEAR EAST—HISTORY, ANCIENT

Second All-Union Conference of Students of the Ancient East. Vest. drev. ist. no. 1:166-195 '63.

NEAR EAST—LAND TENURE

Soviet studies devoted to the rural communes of the ancient East. I. M. D'iakonov. Vest. drev. ist. no. 1:16-34 '63.

NEAR EAST—NUMERATION

Hexadic and decimal systems of numeration in some writings of the ancient Near East. V. A. Gvakharia. Epig. Vost. no. 15 6-16 '63.

NEBOL'SIN, ALEKSEI ZAKHAROVICH

After the example of Nikolai Gastello. A. Zaitsev. Sov. voin. 45 no. 15:36 Ag '63.

NEBRASKA—PETROLEUM PRODUCTION

Mechanized petroleum production in the Sleepy Hollow field. N. B. Bleakley. Neftepром. delo no. 6:32-33 '63.

NEBULAE—SPECTRA

Formulae, graphs, and nomograms for a quantitative analysis of the spectra of emission objects [with summary in English]. A. A. Bolarchuk, R. E. Gershberg, V. I. Pronik. Izv. Krym. astrofiz. obser. 29:291-314 '63.

NECESSITY (PHILOSOPHY)

Interpretation of necessity and chance in V. I. Lenin's book "Materialism and empiric criticism." M. R. Derispa. Nauch. zap. Zapor. gos. ped. inst. 7:47-60 '59.

Problem of freedom and necessity in V. I. Lenin's book "Materialism and empiric criticism." N. L. Kurtsanovich. Nauch. zap. Zapor. gos. ped. inst. 7:20-31 '59.

NECROSIS

Dynamics of morphological changes and treatment procedure in aseptic necrosis of the femoral head in adults. N. A. Engalycheva, IA. A. Berdashkevich. Ortop., travm. i protez. 24 no. 2:21-27 F '63.

NEGROES

Travinskii, V. M. [How millions of Negroes lost their lives] Kak pogibli milliony negrov. Moskva, Sotsekgiz, 1963. 246 p.

NEGROES—CIVIL RIGHTS see subdivision under United States

NEGROES—SOCIETIES, ETC. see subdivision under United States

NEKLINOVSKIY DISTRICT—SOVIETS

The staff has decreased but efforts have grown. M. Zimovnov. Sov. deput. trud. no. 6:60-61 Je '63.

NEKRASOV, NIKOLAI ALEKSEEVICH, 1821-1877

The 23d All-Union Conference on N. A. Nekrasov. I. O. Pikkiiev. Rad. lit. 7 no. 3:155-156 My-Je '63.

Unknown letters written by N. A. Nekrasov. E. Bakst. Vop. lit. 7 no. 9:195-199 S '63.

NEMATODA see subdivision under West Kazakhstan Province

NEMATODE DISEASES OF PLANTS see subdivision under Black Sea region

NEMSHILOVA, NINA ALEKSANDROVNA, d. 1961

Nina Aleksandrovna Nemshilova; on the first anniversary of her death. Zhur. mikrobiol., epid. immun. 40 no. 1 156-157 '63.

NENETS NATIONAL AREA—EDUCATION OF CHILDREN

Beyond the Arctic Circle. L. Borshchevskii. Sem'ia i shkola 18 no. 8:17-18 Ag '63.

NENETS NATIONAL AREA—JUSTICE, ADMINISTRATION OF

Abridged distances. N. Kontievskii. Sov. iust. no. 15 22-24 Ag '63.

NEODYMIUM

Separation of praseodymium and neodymium by electrolysis on a mercury cathode. V. P. Shvedov, P. G. Antonov. Radiokhimiia 5 no. 3:342-346 '63.

NEPHELINE SYENITE see subdivision under Khibiny Mountains

NERUDA, JAN, 1834-1891

Chicherin, A. V. [The Neruda stage in the history of critical realism] Nerudovskii etap v istorii kriticheskogo realizma. Kiev, Izd-vo Akad. nauk SSSR, 1963. 18 p. (Doklady Sovetskoi delegatsii. V Mezhdunarodnyi s"ezd slavistov) [With summary in French]

NERVES, FACIAL

Connections between the facial nerve and the trigeminal nerve in man and some animals. A. T. Oleshkevich. Vop. morf. perif. nerv. sist. no. 6:184-191 '63.

NERVES, FACIAL —WOUNDS AND INJURIES

Determination of the extent of a lesion of the facial nerve by the saliva radioindication method [with summary in English]. K. G. Umanskii, M. A. Shuster, L. A. Il'din. Med. rad. 7 no. 12:21-25 D '62.

NERVES, INTERCOSTAL

Internal structure of the stems of intercostal nerves and the connections among them in man. A. S. Leontiuk. Vop. morf. perif. nerv. sist. no. 6:153-170 '63.

NERVES, PERIPHERAL

Compensatory adaptations within the peripheral nervous system. D. M. Golub. Vop. morf. perif. nerv. sist. no. 6 3-30 '63.

NERVES, PERIPHERAL—DISEASES

Treatment of the diseases of peripheral nerves by painful stimulation of short duration. G. T. Muradian, N. T. Nadirova. Zhur. eksp. i klin. med. 3 no. 1:73-78 '63.

NERVES, PERIPHERAL—WOUNDS AND INJURIES

Lesions of the peripheral nerves. V. D. Golovanov. Ortop., travm. i protez. no. 1:48-56 '63.

NERVES, SPINAL —DISEASES

Treatment of lumbosacral radiculitis by ingestion of radon water (general balneotherapy). Z. N. Agapova. Med. rad. 7 no. 12:17-21 D '62.

NERVOUS SYSTEM

"Effect of ionizing radiations on the nervous system" by A. V. Lebedinskii, Z. N. Nakhil'nitskaia. Reviewed by M. G. Afanas'iants, A. M. Ivanitskii. Pat. fiziol. i eksp. terap. 7 no. 2 94-95 Mr-Ap '63.

Neurotropic bases of compensation. S. M. Pavlenko. Pat. fiziol. i eksp. terap. 7 no. 2 3-8 Mr-Ap '63.

Simpozium "Vliianie psikhotropnykh preparatov na vysshuiu nervnuiu deiatel'nost'." Leningrad, 1963. [Reports of the Symposium "Effect of Psychotropic Preparations on Higher Nervous Activity"] Doklady. Leningrad, Izd-vo Akad. nauk SSSR, 1963. 172 p. (DNLM)

Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut psikhologii. [Typological characteristics of higher nervous activity in man] Tipologicheskie osobennosti vysshei nervnoi deiatel'nosti cheloveka. Otvetstvennyi redaktor B. M. Teplov. Vol. 3, 1963. 273 p.

NERVOUS SYSTEM—BIBLIOGRAPHY see Bibliography—Nervous system

NERVOUS SYSTEM—DISEASES

Changes in the nervous system in somatic forms of rheumatic fever. T. A. Chizmedzhian. Zhur. eksp. i klin. med. 3 no. 2:59-63 '63.

Compensatory adaptations within the peripheral nervous system. D. M. Golub. Vop. morf. perif. nerv. sist. no. 6:3-30 '63.

Morozov, G. V., ed. [Current problems of psychiatry and neuropathology] Aktual'nye voprosy psikhiatrii i nevropatologii. Moskva, Izd-vo M-va zdravookhraneniia SSSR, 1963. 400 p. (DNLM)

Pivovarova, G. N. [Nervous diseases in schoolchildren and their prevention] Nervnye zabolevaniia u shkol'nikov i ikh preduprezhdenie, sovety roditeliam i vospitateliam. Moskva, Medgiz, 1963. 38 p. (Nauchno-populiarnaia meditsinskaia literatura) (DNLM)

Moskovskoe nauchnoe obshchestvo nevropatologov i psikhiatrov. [Periodic and paroxysmal disorders in the neurological clinic] Periodicheskie i paroksizmal'nye narusheniia v nevrologicheskoi klinike. Red. kollegiia: V. V. Mikheev i dr. Moskva, 1963. 171 p. (DNLM)

Significance of changes in cerebral blood circulation in the development of disorders in nervous activity during a traumatic shock [with summary in English]. V. I. Kulagin. Pat. fiziol. i eksp. terap. 7 no. 2 26 [illegible] Ap '63.

Ultraviolet absorption spectra of the cerebrospinal fluid in neurological patients. M. M. Korin, V. A. [illegible], L. G. Pikulik. Dokl. AN BSSR 7 no. 7:488-500 Jl '63.

NERVOUS SYSTEM—SURGERY

[Multivolume manual on surgery] Mnogotomnoe rukovodstvo po khirurgii. Moskva, Medgiz.

Vol. 4. Egorov, B. G., ed. [Neurosurgery, the sequelae of lesions of the central nervous system. Diseases of the spine, the spinal cord and its membranes. Diseases of the vegetative nervous system] Neirokhirurgiia, posledstviia povrezhdenii tsentral'noi nervnoi sistemy. Zabolevaniia pozvonochnika, spinnogo mozga i ego obolochek. Zabolevaniia vegetativnoi nervnoi sistemy. 1963. 667 p. (DNLM)

NERVOUS SYSTEM, AUTONOMIC

Gracheva, M. S. [Brief morphological description of the vegetative nervous system] Kratkoe opisanie morfologii vegetativnoi nervnoi sistemy. Moskva, Pervyi Mosk. med. in-t, 1963. 11 p.

NERVOUS SYSTEM, SYMPATHETIC

Anatomy of the thoracic section of the sympathetic trunk in some mammals. T. N. Kalita. Vop. morf. perif. nerv. sist. no. 6:31-45 '63.

Functional state of the sympathico-adrenal system in goiter. I. L. Poltoratskii. Vrach. delo no. 7 140 141 Jl '63.

NERVOUS SYSTEM, VASOMOTOR—DISEASES

Use of balneotherapy in climacteric angioneurosis. K. Balák, A. Šobová. Akush. i gin. no. 2:69-71 '63.

NETHERLANDS—MARITIME LAW

Decisions of Dutch courts. Inform. sbor. TSNIIMF. Mor. pravo i prak. no. 12:66-67 '61.

NETS

Calculation of nets. V. M. Bordichev. Prykl. mekh. no. 5:570-572 '63.

NEURALGIA, FACIAL

Disorders of the cardiovascular function in a painful syndrome of the face [with summary in English]. V. I. Mikhailovskii, L. M. Svirid. Vrach. delo no. 7:67-71 Jl '63.

NEURITIS, MULTIPLE

Choreal syndrome combined with polyneuritis in diabetes mellitus. I. IA. Dymshits. Vrach. delo no. 7 141 143 Jl '63.

NEUROFIBROMATOSIS

Experience in the study of the complement fixation reaction with toxoplasmosis antigen in patients with neurofibromatosis. V. I. Kechker, N. S. Potekaev, R. Z. Nemushkina. Vest. derm. i ven. 37 no. 1:56-58 Ja '63.

NEUROLOGY see subdivision under Krasnodar

NEUTRALITY

Concept of neutrality in international law. O. I. Tiunov. Uch. zap. Perm. gos. un. 25 no. 1:163-175 '62.

NEUTRINOS

Some processes of neutrino pair production in stars [with summary in English]. V. S. Pinaev. Zhur. eksp. i teor. fiz. 45 no. 3:548-554 S '63.

NEUTRON DIFFRACTION CRYSTALLOGRAPHY

Neutron diffraction study of solid oxygen. R. A. Alikhanov. Zhur. eksp. i teor. fiz. 45 no. 3:812-814 S '63.

NEUTRON SOURCES

Study of a thermal neutron source. R. D. Vasil'ev and others. Atom. energ. 15 no. 3:200-201 S '63.

NEUTRONS

Angular distribution of photoneutrons from Bi^{209} [with summary in English]. E. S. Anashkina. Zhur. eksp. teor. fiz. 45 no. 3:404-408 S '63.

Attenuation of a high-energy neutron flux in a shielding. M. M. Komochkov, B. S. Sychev. Atom. energ. 15 no. 3:325-327 O '63.

Effect of reflectors made from various materials on the number of neutrons captured in the uranium carbide shield of a fast reactor. V. I. Golubev and others. Atom. energ. 15 no. 4:327-328 O '63.

Mobile unit for determining the density and moisture of soil by the gamma and neutron methods. V. I. Kravchenko. Vest. sel'khoz. nauki [Kazakh.] 6 no. 8:76-Ag '63.

Some problems affecting the determination of beryllium by the photoneutron method in a laboratory. V. N. Smirnov, D. V. Tokarova. Atom. energ. 15 no. 4:334-335 O '63.

NEUTRONS—CAPTURE

Calculating the passage of neutrons through a plane polyethylene layer. S M. Ermakov, V. G. Zolotukhin, E. E. Petrov. Atom. energ. 15 no. 3 253-255 S '63.

Effect of reflectors made from different materials on an increase in neutron capture by the uranium shielding of a fast reactor. V. I. Golubev and others. Atom. energ. 15 no. 3, 258-259 S '63.

Fast neutron capture cross sections for copper and zirconium. IU. IA. Stavisskii, A. V. Shapar'. Atom. energ. 15 no. 1:324 O '63.

NEUTRONS—SCATTERING

Efimov, V. N. [Interaction of resonance neutrons with aligned nuclei] Vzaimodeistvie rezonansnykh neitronov s vystroennymi iadrami Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1963 13 p [With summary in English in insert]

Use of gallium in determining the cross sections of coherent neutron scattering IU IA Konakhovich, V A Semenkov Kristallografiia 8 no 5 785-787 S-O '63

NEUTRONS—SPECTRA

Temperature relaxation of a neutron gas. E. IA. Dollnitsyn and others. Atom. energ. 15 no. 3 255-258 S '63.

Zakhar'ev, B. N. [Widths of neutron resonances] O shirinakh neitronnykh rezonansov. Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1962. 8 p [MICROFILM]

NEVINNOMYSSK—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Right-wing men of the all-Union shock workers V. Eteveskii. Agitator no. 20, 21-27 O '63,

NEW MEXICO—OIL WELLS—HYDRAULIC FRACTURING

Hydraulic fracturing of strata in fields of the southeastern part of New Mexico. R. L. Essary. Neftepром. delo no. 6:37-40 '63.

NEW YORK—ELECTRIC POWER PLANTS

Installation of the boiler of a 1,000 Mw. block in the Ravenswood electric power plant in the U. S. A. IU. I. Rabkin, V. A. Livshits. Teploenergetika 10 no. 9:85-87 S '63.

NEWCASTLE DISEASE—MICROBIOLOGY

Comparative study of the strains of a typical fowl plague (Newcastle disease) virus of varying virulence in chicken embryo tissue cultures [with summary in English] I. A Bekhtmirov, I M Sokkar. Vop virus 8 no 3 330-335 My-Je '63

NEWCASTLE DISEASE—PREVENTIVE INOCULATION (see also subdivision under Bulgaria)

Testing virus vaccines against Newcastle disease on poultry farms with a year-round system of chicken raising [with summary in English]. L. S. Ageeva, IA. D. Sinel'nikov, R. A. Zubtsova. Veterinariia 39 no. 9:42-45 S '62.

NEWSPAPER AND PERIODICAL DISTRIBUTION

Voluntary distributors of printed matter. V. Zverev, S. Elizarenko. Part. zhizn' no. 20:03-06 O '63.

NEWSPAPERS
(see also subdivision under Malagasy Republic)

Aesthetics of the newspaper page. R. Ihil'skii. Sov. pech. no. 6:40-47 Ag '63.

NEWSPAPERS—SECTIONS, COLUMNS, ETC. see subdivision under Angarsk

NEWSPAPERS, CZECH

International traditions of Czechoslovak communist newspapers M. D. Semenchuk. Ukr. ist. zhur 7 no. 4 60-64 Jl-Ag '63

NEWTON'S RINGS see Interference (Light)

NEZHIN DISTRICT—TEACHERS

I et me tell you about my teacher. Borys Khandros. Ukraina no. 22:2-3 5 '63.

NGO DINH NHU (Mrs)

A dragon in Washington. V. B. Nov. vrem. 21 no. 42, 11 O '63.

NICKEL—ANALYSIS

Efficient analysis of nickel compounds in waste slags from the smelting of nickel. A. N. Vol'skii, R. A. Agracheva, E. M. Sergievskaia. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 4:70-80 Jl-Ag '63.

NICKEL—METALLOGRAPHY

Fine crystal structure of nickel following a high-temperature thermomechanical treatment. V. D. Krylov, M G Lozinskii, I. I. Nikitina. Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 4:135-140 Jl-Ag '63.

NICKEL—METALLURGY

Depletion of waste slags from shaft furnace smelting of oxidized nickel ores in electric crucibles. I. D. Reznik and others. TSvet. met. 36 no. 9:22-28 S '63.

Effect of a modification treatment of nickel melts on the quality of ingots. I. A. Gnezdilov, K. N. Militsyn. TSvet. met. 36 no. 5 59-63 My '63.

Electric smelting of oxidized nickel ores for the production of iron nickel B. P Onishchin, V G Vycherov, G. I. Mastykov. Biul. tekh.-ekon. inform Gos nauch.-issl. inst. nauch. i tekh inform 16 no. 8 3-5 '63

Forms of nickel losses with waste slags during the shaft furnace smelting of nickel ores for the production of matte. S. E. Liumkis, A. I Chernov Izv AN SSSR Otd tekh. nauk Met. i gor delo no. 4, 81-88 Jl-Ag '63.

NICKEL—WELDING

Bagrianskii, K. V., and G. S. Kuz'min. [Welding nickel and its alloys] Svarka nikelia i ego splavov. Moskva, Mashgiz, 1963. 163 p

NICKEL ALLOYS—INCLUSIONS

Nonmetallic inclusions in binary nickel alloys with aluminum, manganese and silicon. V. A. Urazova, O V Diamant, Sui Ili-tsziang [Sui Yu-chien]. Izv AN SSSR otd tekh. nauk. Met. i gor delo no 4:145-150 Jl-Ag '63

NICKEL ALLOYS—METALLURGY

Effect of rare-earth elements on the properties of nickel-base heat-resistant alloys. T. V. Svistunova, G. V. Estulin. Stal' 23 no. 9 835-838 S '63.

NICKEL-ALUMINUM ALLOYS—TESTING

Investigating the effect of dispersed aluminum oxide inclusions on certain characteristics of sintered nickel (with summary in English). V. P. Elistin and others. Porosh. met. 3 no. 4 33-39 Jl-Ag '63.

NICKEL-CHROMIUM ALLOYS see Chromium-nickel alloys

NICKEL-CHROMIUM-IRON ALLOYS

Properties of alloys of the system Ni - Cr - Fe with additions of aluminum and titanium K. V. Horau, Z. D Paulenka. Vestsi AN BSSR, Ser. fiz.-tekh. nav. no. 3: 94-97 '63.

NICKEL-CHROMIUM-IRON ALLOYS—THERMODYNAMIC PROPERTIES

Thermophysical properties of nickel-chromium-iron alloys. B. E. Neimark and others. Teplofiz vys temp. 1 no. 1 12-16 Jl-Ag '63.

NICKEL COMPOUNDS

Ammonia-thiourea complexes of nickel. A. V. Babaeva, Kh. U. Ikramov, G. G. Afanas'eva. Zhur. neorg. khim. 8 no. 9:2065-2068 S '63.

Thermodynamics of a stepped complex formation of nickel ions with triethanolamine. A. IA. Sychev, A. P. Gorbenen, P. K. Migal'. Zhur. neorg. khim. 8 no. 9:2070-2073 S '63.

NICKEL FLUORIDE CRYSTALS—MAGNETIC PROPERTIES

Characteristics magnetic properties of crystals having a NiF_2 type structure. N. G. Guseinov. Izv AN Azerb SSR, Ser. fiz.-mat. i tekh. nauk no. 2:49-51 '63

NICKEL-GOLD ALLOYS

Surface properties of Ni-Au-Al_2O_3 liquid alloys. V. N. Eremenko, V. I. Nizhenko. Zhur. neorg khim 8 no 9: 2124-2127 S '63.

NICKEL IN THE BODY

Cobalt and nickel in radiation dermatitis. A. T. Sosnovskii, Z. I. Orlova, N Z. IAgovdik. Vrach delo no. 9, 155-156 S '63.

NICKEL-IRON ALLOYS see Iron-nickel alloys

NICKEL ORES see subdivision under Savan Lake region

NICOTINAMIDE

Complex compounds of nicotinic acid and its amide with manganese halides. M. A. Azizov, A. D. Khamraev, Kh. Kh. Khakimov. Uzb. khim. zhur. 7 no. 4 32-34 '63.

NICOTINIC ACID

Complex compounds of nicotinic acid and its amide with manganese halides. M. A. Azizov, A. D. Khamraev, Kh. Kh. Khakimov, Uzb. khim. zhur. 7 no. 4 32-34 '63.

Nicotinic acid metabolism in the irradiated organism [with summary in English]. V P. Kalashnikova Med. rad. no. 1:58-62 '63

NICOTINIC ACID—PHYSIOLOGICAL EFFECT

Fibrinolysis in white rats under the influence of nicotinic acid. A. Sh. Byshevskii Vrach. delo no. 9:149-150 S '63.

NIDYM VALLEY—APOPHYLLITE

Green apophyllite from the Nidym Valley (Evenki National Area). G. E. Beiousov, V. I. Kudriashova. Trudy Min. muz. no. 14:205-208 '63.

NIGERIA

The Federal Republic of Nigeria. Gambia. Malaysia. Agitator no. 20:56-57 O '63.

Nigeria's big year. R. Nnoli. Nov. vrem. 21 no. 40:11 O '63.

NIGERIA—DESCRIPTION AND TRAVEL

Good luck, Nigeria! V. Dunaev. Kul't. i zhizn' 7 no. 2: 18-20 '63.

NIGERIA—TRADE UNIONS

Heirs of the heroes of Enugu. V. Sof'in. Az. i Afr. segodn. no. 9:60-61 S '63.

NIGHT FIGHTING (MILITARY SCIENCE)

Engineer support in forcing rivers at night. V. Shamshurov. Voen. vest. 13 no. 9 85-89 S '63.

Night operations know how to orient well. V Vinnikov Starsh.-serzh. no. 5 10-11 My '63.

NIGHT VISION

Night vision O Saba Nauka i zhyttia 13 no 7 47-48 Jl '63.

NIGHT WORK

The new schedule has totally justified itself. M. Mogutnov, S. Karasev. Sots. trud 8 no 9 85-86 S '63.

Reducing night shift results in higher labor productivity. O. Semenova. Sots. trud 8 no. 9 81-84 S '63.

NIGHTSHADE

Investigation of the location of glycoalkaloids in the tissues of Solanum aviculare Forst by fluorescence microscopy. V. I Moskaleva, T. V. Goncharova Bot zhur. 18 no. 9:1208-1210 Ag '63

NIGROSPORA

Nigrospora infection of sorgo. T. A. Kulik. Zashch. rast. ot vred. i bol. 8 no. 9, 16-18 S '63.

NIKOLAYEV (UKRAINE) — SHIPBUILDING

Practice in organizing communist labor competition in the Nosenko Plant S. Astakhov Ekon. Rad Ukr. no. 5 90-92 S-O '63.

NIKOLAYEVSKIY DISTRICT (VOLGOGRAD PROVINCE) — COLLECTIVE FARMS—ACCOUNTING

This is very important! A. N. TSapenko. Uchet i fin. v kolkhoz. i sovkhoz. 20 no 7 18 Jl '63.

NIKOPOL DISTRICT—AMATEUR ART ACTIVITIES

Developing the creativeness of the masses V Tereshchenko. Part. zhizn' no 13 60-62 Jl '63.

NILE VALLEY—HUMUS

Composition of humus in the soils of the Nile Valley. G. R. Fakhmi. Vest. Mosk. un. Ser. 6. Biol., pochv. 18 no. 5:59-67 S-O '63.

NIOBIUM

Hot rolling of niobium in vacuum and in a protective atmosphere. I. M. Pavlov and others. TSvet. met 36 no. 5:63-67 My '63.

NIOBIUM—ANALYSIS

Photocolorimetric determination of niobium. Sh. T. Talipov and others. Uzb. khim. zhur. 7 no. 4:18-22 '63.

NIOBIUM—HEAT TREATMENT

Heat treatment of niobium. G. V. Zakharova, L. P. Zhorova. TSvet. met. 36 no. 5 53-58 My '63.

NIOBIUM—SPECTRA

Spectral radiation coefficients of tantalum, molybdenum, and niobium. B. A. Khrustalev, I. P. Kolchenogov, A. M. Rakov. Teplofiz. vys. temp. 1 no. 1 17-23 Jl-Ag '63.

NIOBIUM COMPOUNDS

Interaction of niobium oxychloride with alkali metal chlorides and the thermal stability of pentachlorooxyniobates. I. S. Morozov, V. A. Krokhin. Zhur. neorg. khim. 8 no. 10:2376-2380 O '63.

NIOBIUM OXIDES

Activation energy of the process of autodiffusion of niobium in its oxides. P. V. Gel'd, V. D. Liubimov. Izv. SO AN SSSR no. 7, Ser. khim. nauk no. 2:79-85 '63.

NIOBIUM-TITANIUM-CHROMIUM ALLOYS see Titanium-niobium-chromium alloys

NITRIC ACID

Extraction of uranium (IV) from nitric acid media by tri-n-butyl phosphate. A. P. Smirnov-Averin, G. S. Kovalenko, N. N. Krot. Zhur. neorg. khim. 8 no. 10: 2400-2406 O '63.

NITROGEN

Methods for the activation of peat nitrogen. B. F. Sergeev. Torf. prom. 40 no. 4:20-21 '63.

Testing the permeability of pine wood to nitrogen and antiseptic solutions. V. A. Bazhenov, E. V. Khaniuk. Trudy Inst. lesa 1 drev. 65:20-47 '63.

NITROGEN—SPECTRA

Stepped excitation and ionization of nitrogen. I. I. Gromova, A. V. IAkovleva. Izv. AN SSSR Ser. fiz. 27 no. 8: 1097-1101 Ag '63.

NITROGEN COMPOUNDS AS FEED

Tomme, M. F., and A. V. Modianov. [Substitutes for protein feeds] Zameniteli kormovogo proteina. Moskva, Sel'khozizdat, 1963. 150 p. (DNAL)

NAVIGATION
(see also subdivision under Arctic regions; Ob' River)

Implementation of rules on the prevention of collisions at sea in fog in fresh waters. L. B. Shar-Baromo. Inform.-sb. Tr. IIMF no. 67 Mat. prava i prak. no. 14 '60-61 '61.

Some problems in the theory of navigation. V. S. Shebshaevich. Dokl. AN SSSR 151 no. 6 1295-1298 Ag '63.

NAVIGATION (AERONAUTICS)

Selection of the main air line and the determination of coordinates. D. V. [illegible]. V. kosm. 46 no. 9 38-40 S '63.

Suggestions, comments. V. kosm. 46 no. 9 68-71 S '63.

NAZAROV, GEORGII IVANOVICH, 1903-

G. I. Nazarov, on his 60th birthday. V. P. Andrianov and others. Fiziol. zhur. 49 no. 9 1092 S '63.

NEANDERTHAL RACE see subdivision under Mapa (Kwantung Province)

NEAR EAST—DESCRIPTION AND TRAVEL

In the Near East. M. Zikmund, J. Hanzelka. Mezhdunar. zhizn' 10 no. 7 119-126 S '63.

NEAR EAST—DOMESTIC ANIMALS

Gazelles and antelopes as forerunners of domestic animals in the ancient Orient [in German]. B. Brentjes. Mat. i issl. po Gruz. no. 12/13 199-213 '63.

NEAR EAST—HISTORY, ANCIENT

Second All-Union Conference of Students of the Ancient East. Vest. drev. ist. no. 1 166-195 '63.

NEAR EAST—LAND TENURE

Soviet studies devoted to the rural communes of the ancient East. I. M. Diakonov. Vest. drev. ist. no. 1 16-34 '63.

NEAR EAST—NUMERATION

Hexadecimal decimal systems of numeration in some writings of the ancient Near East. V. A. Gvakharia [pseud.]. Vest. no. 1 5-16 '64.

NEBOL'SIN, ALEKSEI ZAKHAROVICH

After the example of Nikolai Gastello. A. Zaitsev. Sov. voin. 15 no. 15 36 Ag '63.

NEBRASKA—PETROLEUM PRODUCTION

Mechanized petroleum production in the Sleepy Hollow field. N. B. Bleakley. Neftepром. delo no. 6 32-33 '63.

NEBULAE—SPECTRA

Formulae, graphs, and nomograms for a quantitative analysis of the spectra of emission objects [with summary in English]. A. A. Boiarchuk, R. E. Gershberg, V. I. Proniк. Izv. Krym. astrofiz. obser. 29 291-314 '63.

NECESSITY (PHILOSOPHY)

Interpretation of necessity and chance in V. I. Lenin's book "Materialism and empiric criticism." M. R. Deriaga. Nauch. zap. Zapor. gos. ped. inst. 7 47-60 '59.

Problem of freedom and necessity in V. I. Lenin's book "Materialism and empiric criticism." N. L. Kuz'ianovich. Nauch. zap. Zapor. gos. ped. inst. 7 20-31 '59.

NECROSIS

Dynamics of morphological changes and treatment procedure in aseptic necrosis of the femoral head in adults. N. A. Engal'cheva, I. A. Berdashkevich. Ortop., travm. i protez. 24 no. 2 21-27 F '63.

NEGROES

Travinskii, V. M. [How millions of Negroes lost their lives] Kak pogibli milliony negrov. Moskva, Sotsekgiz, 1963. 246 p.

NENETS NATIONAL AREA—EDUCATION OF CHILDREN

Beyond the Arctic Circle. L. Borshchevskii. Sem'ia i shkola 18 no. 8 17-18 Ag '63.

NENETS NATIONAL AREA—JUSTICE, ADMINISTRATION OF

Abridged distances. N. Kontievskii. Sov. iust. no. 15 22-24 Ag '63.

NEODYMIUM

Separation of praseodymium and neodymium by electrolysis on a mercury cathode. V. P. Shvedov, P. G. Antonov. Radiokhimiia 5 no. 3 342-346 '63.

NEPHELINE SYENITE see subdivision under Khibiny Mountains

NERUDA, JAN, 1834-1891

Chicherin, A. V. [The Neruda stage in the history of critical realism] Nerudovskii etap v istorii kriticheskogo realizma. Kiev, Izd-vo Akad. nauk SSSR, 1963, 18 p. (Doklady Sovetskoi delegatsii V Mezhdunarodnyi s"ezd slavistov) [With summary in French]

NERVES, FACIAL

Connections between the facial nerve and the trigeminal nerve in man and some animals. A. T. Oleshkevich. Vop. morf. perif. nerv. sist. no. 6 184-191 '63.

NERVES, FACIAL —WOUNDS AND INJURIES

Determination of the extent of a lesion of the facial nerve by the saliva radioindication method [with summary in English]. K. G. Umanskii, M. A. Shuster, L. A. IUdin. Med. rad. 7 no. 12 21-25 D '62.

NERVES, INTERCOSTAL

Internal structure of the stems of intercostal nerves and the connections among them in man. A. S. Leontiuk. Vop. morf. perif. nerv. sist. no. 6 153-170 '63.

NERVES, PERIPHERAL

Compensatory adaptations within the peripheral nervous system. D. M. Golub. Vop. morf. perif. nerv. sist. no. 6 3-30 '63.

NERVES, PERIPHERAL—DISEASES

Treatment of the diseases of peripheral nerves by painful stimulation of short duration. G. T. Muradian, N. T. Nadirova. Zhur. eksp. i klin. med. 3 no. 1 73-78 '63.

NERVES, PERIPHERAL—WOUNDS AND INJURIES

Lesions of the peripheral nerves. V. D. Golovanov. Ortop., travm. i protez. no. 1 48-56 '63.

NERVES, SPINAL —DISEASES

Treatment of lumbosacral radiculitis by ingestion of radon water (general balneotherapy). Z. N. Agapova. Med. rad. 7 no. 12 17-21 D '62.

NERVOUS SYSTEM

"Effect of ionizing radiations on the nervous system" by A. V. Lebedinskii, Z. N. Nekhil'mitskaia. Reviewed by M. G. Airapetiants, A. M. Ivanitskii. Pat. fiziol. i eksp. terap. 7 no. 2 94-95 Mr-Ap '63.

Neurotropic bases of compensation. S. M. Pavlenko. Pat. fiziol. i eksp. terap. 7 no. 2 3-8 Mr-Ap '63.

Simpozium "Vliianie psikhotropnykh preparatov na vysshuiu nervnuiu deiatel'nost'," Leningrad, 1963. [Reports of the Symposium "Effect of Psychotropic Preparations on Higher Nervous Activity"] Doklady, Leningrad, Izd-vo Akad. nauk SSSR, 1963, 172 p. (DNLM)

Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut psikhologii. [Typological characteristics of higher nervous activity in man] Tipologicheskie osobennosti vysshei nervnoi deiatel'nosti cheloveka. Otvetstvennyi redaktor B. M. Teplov.
Vol. 3, 1963. 273 p.

NERVOUS SYSTEM—BIBLIOGRAPHY see Bibliography—Nervous system

NERVOUS SYSTEM—DISEASES

nervous system in somatic forms of rheu- A. Chizmedzhian. Zhur. eksp. i klin. 3 '63.

tations within the peripheral nervous lub. Vop. morf. perif. nerv. sist.

[Current problems of psychiatry] Aktual'nye voprosy psikhiatrii i oskva, Izd-vo M-va zdravookhraneniia.

Nervous diseases in schoolchildren n] Nervnye zabolevaniia u shkol'ni- hdenie; sovety roditeliam i vospitate- dgiz, 1963. 38 p. (Nauchno-popu- ia literatura)

e obshchestvo nevropatologov i odic and paroxysmal disorders in the Periodicheskie i paroksizmal'nye logicheskoi klinike. Red. kollegiia: Moskva, 1963. 171 p.

Significance of changes in cerebral blood [illegible] the development of disorders in nervous [illegible] a traumatic shock [with summary in English]. [illegible] kulagin. Pat. fiziol. i eksp. terap. 7 [illegible] Ap '63.

Ultraviolet absorption spectra of the [illegible] in neurological patients. M. M. Lerin, [illegible] L. G. Pikulik. Dokl. AN BSSR 7 no. 7 [illegible]

NERVOUS SYSTEM—SURGERY

[Multivolume manual on surgery] Mnogotom- stvo po khirurgii. Moskva, Medgiz.
Vol. 4. Egorov, B. G., ed. [Neurosurgery. Sequelae of lesions of the central nervous system. Diseases of the spine, the [illegible] and its membranes. Diseases of the [illegible] nervous system] Nekotokhirurgiia, posledstviia povrezhdenii tsentral'noi nervnoi sistemy. Zabolevaniia pozvonochnika, ego obolochek. Zabolevaniia perifericheskoi nervnoi sistemy. 1963. 867 p.
(DNLM)

NERVOUS SYSTEM, AUTONOMIC

Gracheva, M. S. [Brief morphological description of the vegetative nervous system] Kratkoe opisanie morfologii vegetativnoi nervnoi sistemy. Moskva, Perv. Mosk. med. in-t, 1963. 11 p.

NERVOUS SYSTEM, SYMPATHETIC

Anatomy of the thoracic section of the sympathetic trunk in some mammals. T. N. Ivalita. Vop. morf. perif. nerv. sist. no. 6 31-15 '63.

Functional state of the sympathico-adrenal system in goiter. I. L. Poltoratskii. Vrach. delo no. 7 141-141 Jl '63.

NERVOUS SYSTEM, VASOMOTOR—DISEASES

Use of balneotherapy in climacteric angioneuroses. K. Balák, A. Sobova. Akumh. fiziot. [illegible] no. [illegible]

NETHERLANDS—MARITIME LAW

Decisions of Dutch courts. Inform. sbor. [illegible] Mor. pravo i prak. no. 12 66-67 '61.

NETS

Calculation of nets. V. M. Hordiiev. [illegible] no. 5 570-572 '63.

NEURALGIA, FACIAL

Disorders of the cardiovascular function in a patient with syndrome of the face [with summary in English]. [illegible] Mikhailovskii, L. M. Svirid. Vrach. delo no. [illegible] Jl '63.

NEURITIS, MULTIPLE

Choreal syndrome combined with polyneuritis [illegible] tes mellitus. I. IA. Dymshits. Vrach. delo no. [illegible] 143 Jl '63.

NEUROFIBROMATOSIS

Experience in the study of the complement fixation reaction with toxoplasmosis antigen in patients with fibromatosis. V. I. Kochkov, N. S. Polekseeva, M. Z. [illegible] mushkina. Vest. derm. i ven. 37 no. 1 50 [illegible]

NEUROLOGY see subdivision under Kazakhstan

NEUTRALITY

Concept of neutrality in international law. [illegible] Uch. zap. Perm. gos. un. 25 no. 1 161-172 [illegible]

NEUTRINOS

Some processes of neutrino pair production by [illegible] [with summary in English]. V. S. Pinaev. Zh. eksp. i teor. fiz. 45 no. 3 548-554 S '63.

NEUTRON DIFFRACTION CRYSTALLOGRAPHY

Neutron diffraction study of solid oxygen. [illegible] A. V. [illegible] nov. Zhur. eksp. i teor. fiz. 45 no. 3 812-814 [illegible]

NEUTRON SOURCES

Study of a thermal neutron source. R. D. Vasil'ev [illegible] others. Atom. energ. 15 no. 3 200-201 S '63.

NEUTRONS

Angular distribution of photoneutrons from [illegible] [with summary in English]. E. S. Anashkina. Zhur. eksp. i teor. fiz. 45 no. 3 404-406 S '63.

Attenuation of a high-energy neutron flux in a [illegible] M. M. Komochkov, B. S. Sychov. Atom. energ. 15 no. 4 325-327 O '63.

Effect of reflectors made from various materials on the number of neutrons captured in the uranium [illegible] shield of a fast reactor. V. I. Golubev and [illegible] Atom. energ. 15 no. 4 327-328 O '63.

Mobile unit for determining the density and moisture of soil by the gamma and neutron methods. V. F. [illegible] chenko. Vest. sel'khoz. nauki [Kazakh.] [illegible] Ag '63.

Some problems affecting the determination of [illegible] by the photoneutron method in a laboratory. V. N. Smirnov, D. V. Tokareva. Atom. energ. 15 no. 4 [illegible] 335 O '63.

NEUTRONS—CAPTURE

Calculating the passage of neutrons through a plane polyethylene layer. S. M. Ermakov, V. G. Zolotukhin, E. E. Petrov. Atom. energ. 15 no. 3 253-255 S '63.

Effect of reflectors made from different materials on an increase in neutron capture by the uranium shielding of a fast reactor. V. I. Golubev and others. Atom. energ. 15 no. 3 208-259 S '63.

Fast neutron capture cross sections for copper and zirconium. IU. IA. Stavisskii, A. V. Shapar'. Atom. energ. 15 no. 4:323 O '63.

NEUTRONS—SCATTERING

Efimov, V. N. [Interaction of resonance neutrons with stigned nuclei] Vzaimodeistvie rezonansnykh neitronov s vystroennymi iadrami Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1963. 13 p. [With summary in English in insert]

Use of gallium in determining the cross sections of coherent neutron scattering IU. IA. Konakhovich V. A. Semenkov. Kristallografiia 8 no. 5 785-787 S-O '63

NEUTRONS—SPECTRA

Temperature relaxation of a neutron gas. E. IA. Doil'nitsyn and others. Atom. energ. 15 no. 3 255-258 S '63.

Zakhar'ev, B. N. [Widths of neutron resonances] O shirinakh neitronnykh rezonansov Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1962. 8 p. [MICROFILM]

NEVINNOMYSSK—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Right-wing men of the all-Union shock workers V. Etereiskii Agitator no. 20-24-27 O '63.

NEW MEXICO—OIL WELLS—HYDRAULIC FRACTURING

Hydraulic fracturing of strata in fields of the southeastern part of New Mexico. R. L. Essary. Neftepromdelo no. 6:37 40 '63.

NEW YORK—ELECTRIC POWER PLANTS

Installation of the boiler of a 1,000 Mw. block in the Ravenswood electric power plant in the U. S. A. IU. I. Rabkin, V. A. Livshits. Teploenergetika 10 no. 9:85-87 S '63.

NEWCASTLE DISEASE—MICROBIOLOGY

Comparative study of the strains of a typical fowl plague (Newcastle disease) virus of varying virulence in chicken embryo tissue cultures [with summary in English] T. A. Bektemirov, I. M. Sokkar. Vop. virus. 8 no. 3 330-335 My-Je '63

NEWCASTLE DISEASE—PREVENTIVE INOCULATION (see also subdivision under Bulgaria)

Testing virus vaccines against Newcastle disease on poultry farms with a year-round system of chicken raising [with summary in English]. L. S. Ageeva, IA. D. Sinel'nikov, R. A. Zubtsova. Veterinariia 39 no. 9:42-45 S '62.

NEWSPAPER AND PERIODICAL DISTRIBUTION

Voluntary distributors of printed matter. V. Zverev, S. Elizarenko. Part. zhizn' no. 20:63-66 O '63.

NEWSPAPERS
(see also subdivision under Malagasy Republic)

Aesthetics of the newspaper page. R. Iul'skii. Sov. pech. no. 8:46-47 Ag '63.

NEWSPAPERS—SECTIONS, COLUMNS, ETC. see subdivision under Angarsk

NEWSPAPERS, CZECH

International traditions of Czechoslovak communist newspapers. M. D. Semenchuk. Ukr. ist. zhur. 7 no. 4:60-64 Jl-Ag '63

NEWTON'S RINGS see Interference (Light)

NEZHIN DISTRICT—TEACHERS

Let me tell you about my teacher. Borys Khandros. Ukraina no. 22:2-3 S '63.

NGO DINH NHU (Mrs.)

A dragon in Washington. V. B. Nov. vrem. 21 no. 42:11 O '63.

NICKEL—ANALYSIS

Efficient analysis of nickel compounds in waste slags from the smelting of nickel. A. N. Vol'skii, R. A. Agracheva, E. M. Sergievskaia. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no. 4:70-80 Jl-Ag '63.

NICKEL—METALLOGRAPHY

Fine crystal structure of nickel following a high-temperature thermomechanical treatment. V. D. Krylov, M. G. Lozinskii, I. L. Nikitina. Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 4:135-140 Jl-Ag '63.

NICKEL—METALLURGY

Depletion of waste slags from shaft furnace smelting of oxidized nickel ores in electric crucibles. I. D. Reznik and others. TSvet. met. 36 no. 9:22-28 S '63.

Effect of a modification treatment of nickel melts on the quality of ingots. I. A. Gnezdilov, K. N. Militsyn. TSvet. met. 36 no. 5:59-63 My '63.

Electric smelting of oxidized nickel ores for the production of iron nickel. B. P. Onishchin, V. G. Vychegrov, G. F. Mastykov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 6:3-6 '63

Forms of nickel losses with waste slags during the shaft furnace smelting of nickel ores for the production of matte. S. L. Liumkis, A. I. Chernov. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 4:81-88 Jl-Ag '63

NICKEL—WELDING

Bagrianskii, K. V., and G. S. Kuz'min. [Welding nickel and its alloys] Svarka nikelia i ego splavov. Moskva, Mashgiz, 1963. 163 p.

NICKEL ALLOYS—INCLUSIONS

Nonmetallic inclusions in binary nickel alloys with aluminum, manganese and silicon. V. A. Urazova, O. V. Dimant, Sui IUi-tsziian' [Sui Yu-chien]. Izv. AN SSSR, otd. tekh. nauk, Met. i gor. delo no. 4:145-150 Jl-Ag '63

NICKEL ALLOYS—METALLURGY

Effect of rare-earth elements on the properties of nickel-base heat-resistant alloys. T. V. Svistunova, G. V. Estulin. Stal' 23 no. 9 835-838 S '63

NICKEL-ALUMINUM ALLOYS—TESTING

Investigating the effect of dispersed aluminum oxide inclusions on certain characteristics of sintered nickel [with summary in English]. V. P. Eliutin and others. Poroshk. met. 3 no. 1:33-39 Jl-Ag '63.

NICKEL-CHROMIUM ALLOYS see Chromium-nickel alloys

NICKEL-CHROMIUM-IRON ALLOYS

Properties of alloys of the system Ni - Cr - Fe with additions of aluminum and titanium. K. V. Horau, Z. D. Paulenka. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 3, 94-97 '63.

NICKEL-CHROMIUM-IRON ALLOYS—THERMODYNAMIC PROPERTIES

Thermophysical properties of nickel-chromium-iron alloys. B. E. Neimark and others. Teplofiz. vys. temp. 1 no. 1:12-16 Jl-Ag '63.

NICKEL COMPOUNDS

Ammonia-thiourea complexes of nickel. A. V. Babaeva, Kh. U. Ikramov, G. G. Afanas'eva. Zhur. neorg. khim. 8 no. 9:2065-2068 S '63.

Thermodynamics of a stepped complex formation of nickel ions with triethanolamine. A. IA. Sychev, A. P. Gerbeleu, P. K. Migal'. Zhur. neorg. khim. 8 no. 9:2070-2073 S '63.

NICKEL FLUORIDE CRYSTALS—MAGNETIC PROPERTIES

Characteristics magnetic properties of crystals having a NiF_2 type structure. N. G. Guseinov. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekh. nauk no. 2:49-51 '63

NICKEL-GOLD ALLOYS

Surface properties of Ni-Au-Al_2O_3 liquid alloys. V. N. Eremenko, V. I. Nizhenko. Zhur. neorg. khim. 8 no. 9: 2124-2127 S '63.

NICKEL IN THE BODY

Cobalt and nickel in radiation dermatitis. A. T. Sosnovskii, Z. I. Orlova, N. Z. IAgovdik. Vrach. delo no. 9, 155-156 S '63.

NICKEL-IRON ALLOYS see Iron-nickel alloys

NICKEL ORES see subdivision under Sevan Lake region

NICOTINAMIDE

Complex compounds of nicotinic acid and its amide with manganese halides. M. A. Azizov, A. D. Khamraev, Kh. Kh. Khakimov. Uzb. khim. zhur. 7 no. 4:32-34 '63.

NICOTINIC ACID

Complex compounds of nicotinic acid and its amide with manganese halides. M. A. Azizov, A. D. Khamraev, Kh. Kh. Khakimov. Uzb. khim. zhur. 7 no. 4:32-34 '63.

Nicotinic acid metabolism in the irradiated organism [with summary in English]. V. P. Kalashnikova. Med. rad. no. 1 58-62 '63.

NICOTINIC ACID—PHYSIOLOGICAL EFFECT

Fibrinolysis in white rats under the influence of nicotinic acid. A. Sh. Byshevskii. Vrach. delo no. 9:149-150 S '63.

NIDYM VALLEY—APOPHYLLITE

Green apophyllite from the Nidym Valley (Evenki National Area). G. E. Belousov, V. I. Kudriashova. Trudy Min. muz. no. 14:205-208 '63.

NIGERIA

The Federal Republic of Nigeria. Gambia. Malaysia. Agitator no. 20, 56-57 O '63.

Nigeria's big year. R. Nnoli. Nov. vrem. 21 no. 40:11 O '63.

NIGERIA—DESCRIPTION AND TRAVEL

Good luck, Nigeria! V. Dunaev. Kul't. i zhizn' 7 no. 2: 18-20 '63.

NIGERIA—TRADE UNIONS

Heirs of the heroes of Enugu. V. Sol'in. Az. i Afr. segodnia no. 9:60-61 S '63.

NIGHT FIGHTING (MILITARY SCIENCE)

Engineer support in forcing rivers at night. V. Shamshurov. Voen. vest. 43 no. 9 85-89 S '63.

Night operations know how to orient well. V. Vinnikov. Starsh. serzh. no. 5:10-11 My '63.

NIGHT VISION

Night vision. O. Salia. Nauka i zhyttia 13 no. 7 17-18 Jl '63

NIGHT WORK

The new schedule has totally justified itself. M. Mogutnov, S. Karasev. Sots. trud 8 no. 9 85-86 S '63.

Reducing night shift results in higher labor productivity. O. Semenova. Sots. trud 8 no. 9 81-84 S '63.

NIGHTSHADE

Investigation of the location of glycoalkaloids in the tissues of Solanum aviculare Forst. by fluorescence microscopy. V. E. Moskaleva, I. V. Goncharova. Bot. zhur. 48 no. 8 1208-1210 Ag '63

NIGROSPORA

Nigrospora infection of sorgo. T. A. Kulik. Zashch. rast. ot vred. i bol. 8 no. 9:15-18 S '63.

NIKOLAYEV (UKRAINE) — SHIPBUILDING

Practice in organizing communist labor competition in the Nosenko Plant. S. Astakhov. Ekon. Rad. Ukr. no. 5 90-92 S-O '63.

NIKOLAYEVSKIY DISTRICT (VOLGOGRAD PROVINCE) — COLLECTIVE FARMS—ACCOUNTING

This is very important! A. N. TSapenko. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7:18 Jl '63.

NIKOPOL' DISTRICT—AMATEUR ART ACTIVITIES

Developing the creativeness of the masses. V. Tereshchenko. Part. zhizn' no. 13 60-62 Jl '63.

NILE VALLEY—HUMUS

Composition of humus in the soils of the Nile Valley. G. R. Rakhmi. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 5:59-67 S-O '63.

NIOBIUM

Hot rolling of niobium in vacuum and in a protective atmosphere. I. M. Pavlov and others. TSvet. met. 36 no. 5, 63-67 My '63.

NIOBIUM—ANALYSIS

Photocolorimetric determination of niobium. Sh. T. Talipov and others. Uzb. khim. zhur. 7 no. 4:18-22 '63.

NIOBIUM—HEAT TREATMENT

Heat treatment of niobium. G. V. Zakharova, L. P. Zhorova. TSvet. met. 36 no. 5 53-58 My '63.

NIOBIUM—SPECTRA

Spectral radiation coefficients of tantalum, molybdenum, and niobium. B. A. Khrustalev, I. P. Kolchenogov, A. M. Rakov. Teplofiz. vys. temp. 1 no. 1, 17-23 Jl-Ag '63.

NIOBIUM COMPOUNDS

Interaction of niobium oxychloride with alkali metal chlorides and the thermal stability of pentachlorooxyniobates. I. S. Morozov, V. A. Krokhin. Zhur. neorg. khim. 8 no. 10, 2376-2380 O '63.

NIOBIUM OXIDES

Activation energy of the process of autodiffusion of niobium in its oxides. P. V. Gel'd, V. D. Liubimov. Izv. SO AN SSSR no. 7, Ser. khim. nauk no. 2:79-85 '63.

NIOBIUM-TITANIUM-CHROMIUM ALLOYS see Titanium-niobium-chromium alloys

NITRIC ACID

Extraction of uranium (IV) from nitric acid media by tri-n-butyl phosphate. A. P. Smirnov-Averin, G. S. Kovalenko, N. N. Krot. Zhur. neorg. khim. 8 no. 10: 2400-2406 O '63.

NITROGEN

Methods for the activation of peat nitrogen. B. F. Sergeev. Torf. prom. 40 no. 4:20-21 '63.

Testing the permeability of pine wood to nitrogen and antiseptic solutions. V. A. Bazhenov, E. V. Kharuk. Trudy Inst. lesa 1 drev. 65:20-47 '63.

NITROGEN—SPECTRA

Stepped excitation and ionization of nitrogen. I. I. Gromova, A. V. IAkovleva. Izv. AN SSSR. Ser. fiz. 27 no. 8: 1097-1101 Ag '63.

NITROGEN COMPOUNDS AS FEED

Tomme, M. F., and A. V. Modianov. [Substitutes for protein feeds] Zameniteli kormovogo proteina. Moskva, Sel'khozizdat, 1963. 150 p. (DNAL)

719 - 838 O - 64 - 18

NITROGEN FERTILIZERS

[illegible] of nitrogen fertilizers on the yield and quality [illegible] of the Ukrainian Polesye [illegible] [with a] list of [illegible] [illegible] 12 [illegible]

[illegible] of nitrogen in connection [illegible] [with] soil [illegible] [with summary in English], V. V. Peterburgskii, [illegible] [illegible] [illegible] [illegible]

NITROGEN METABOLISM

[illegible] in children with pulmonary [illegible] [with] tuberculosis [with summary in English], F. I. Shamin, [illegible] Kh. Dudchik, Vrach. delo no. [illegible]

NITROGEN OXIDES

[illegible] of staying in the maximum allowable concentration of nitrogen peroxide in the air, P. P. Lakhtin, [illegible], Gig. i sanit. atmosf. zagr., no. 7 66-75 '63.

Static conditions of the adsorption and desorption of nitrogen dioxide - nitrogen tetroxide. Z. B. Krasnyi. Trudy KKHTI no. 30 213-222 '62.

Study of adsorption and desorption of nitrogen dioxide - nitrogen tetroxide on technical silica gels ASM and No. 6. E. B. Krasnyi, L. I. Kuznetsov-Fetisov. Trudy KKHTI no. 30 233-239 '62.

Synthesis of β-bromo-γ-nitropropylene and study of its nitration with nitrogen dioxide. G. Kh. Kamai. Trudy KKHTI no. 30 116-119 '62.

NITROUS OXIDE

Analgesic anesthesia with nitrous oxide in surgical [illegible], S. I. Strul'nik, V. A. Gologorskii, Akush. i gin., no. 2 41-47 '63.

Anesthesia with nitrous oxide and oxygen in minor gynecological operations, V. B. Fermison, Akush. i gin., no. 2 120-121 '63.

Intratracheal nitrous oxide anesthesia in surgical gynecology [with summary in English], M. G. Kal'mitskii, Akush. i gin., no. 2 44-47 '63.

NIZHNIY TAGIL—BANKS AND BANKING

Improve control over the safety and utilization of working capital, I. Kuklinskii, I. Netrebina, Den. i kred., 21 no. 10 23-26 O '63.

NIZHNIY TAGIL—CONSTRUCTION INDUSTRY—FINANCE

Improve control over the safety and utilization of working capital, I. Kuklinskii, F. Netrebina, Den. i kred., 21 no. 10 23-26 O '63.

NIZHNIY TAGIL—ROLLING MILLS

Reorganization of the blooming mill at the Nizhniy Tagil Metallurgical Combine. S. V. Makarov, M. I. Staroseletskii, A. I. Kalmin. Stal' 23 no. 9 816-819 S '63.

NOGINSK—INDUSTRIAL MANAGEMENT

Intensive activity, E. Andrianov, Part. zhizn' no. 18 44-46 S '63.

NOISE

Effect of noise on the organism, L. N. Shkarinov, Mashinostroitel' no. 8 41-42 Ag '63.

NOISE—SAFETY MEASURES

Means for individual protection against industrial noise, E. I. Denisov, N. I. Kovshov, A. P. Filin, Mashinostroitel' no. 8 43-44 Ag '63.

NOISE—SPECTRA

Some remarks concerning the spectral analysis of noises [with summary in English on p. 96], V. M. Zhuravlev, Tekh. kino i telev., 7 no. 9 25-29 S '63.

NOISE CONTROL—EQUIPMENT AND SUPPLIES

It is a long story, B. Liguladze, Okhr. truda i sots. strakh., 6 no. 9 36-37 S '63.

NOMADS see subdivision under Turkmenistan

NOMOGRAPHY (MATHEMATICS)

Errors in nomogram readings and their determination, I. Bulabaev, Trudy Sekt. mat. i mekh. AN Kazakh. SSR, 3 98-127 '63.

NON-EUCLIDEAN GEOMETRY see Geometry, Non-Euclidean

NONDESTRUCTIVE TESTING

Novgorodskii, M. A. [Nondestructive testing of the strength of concrete in structures by mechanical devices] Kontrol' prochnosti betona v konstruktsiiakh bez razrusheniia (priborami mekhanicheskogo deistviia). Kiev, Gosstroiizdat USSR, 1963. 61 p.

Use of gamma-ray sources for flaw detection at the Csepel Metallurgical Works (Hungary), E. Fenyvesi, K. Shcherbak, K. Vara, Atom. energ., 15 no. 4:351-353 O '63.

NONFERROUS ALLOYS—METALLOGRAPHY

Kinetic correspondence between transformations and deformations in the formation of superplasticity, A. A. Presnyakov, G. V. Starikova, Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no. 4:127-129 Jl-Ag '63.

Structure and properties of alloys obtained by the eutectic change method, F. M. Savitskii, T. A. Fim, Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no. 1 89-94 Ja-Ag '63.

NONFERROUS INGOTS

Effect of a modification treatment of nickel melts on the quality of ingots, I. A. Gnezdilov, K. N. Militsyn, TSvet. met., 36 no. 5 59-63 My '63.

NONFERROUS METAL INDUSTRIES

(see also subdivision under Almalyk; Ryazan)

Role of oxygen in the metallurgy of nonferrous metals, V. M. Vartaman, Ukr. tekh. 7 no. 8 52-54 Ag '63.

NONFERROUS METAL INDUSTRIES—BY-PRODUCTS

Slag depletion in tubular rotary furnaces, V. K. Klimanov and others, TSvet. met., 36 no. 9:29-32 S '63.

NONFERROUS METAL INDUSTRIES—CONGRESSES

All-Union conference on the use of oxygen in nonferrous metallurgy, IA. P. Shein, TSvet. met., 36 no. 5 85-90 My '63.

NONFERROUS METAL INDUSTRIES—EQUIPMENT AND SUPPLIES

"Mechanical equipment of heavy nonferrous metal plants" by A. I. Basov. Reviewed by A. Donchenko, A. Sosnin, TSvet. met., 36 no. 5 94-96 My '63.

Progressive methods of carrying out repairs in enterprises of nonferrous metallurgy, G. I. Shandrenko, TSvet. met., 36 no. 9:91-92 S '63.

NONFERROUS METAL INDUSTRIES—MANAGEMENT see subdivision under Balkhash

NONFERROUS METALS

Concerning the saving and substitutes for nonferrous metals, Elektrichestvo no. 8:92-93 Ag '63.

Shevakin, IU. F., A. M. Rytikov, and F. S. Seidaliev, [Production of nonferrous metal pipes, technological calculations] Proizvodstvo trub iz tsvetnykh metallov; tekhnologicheskie raschety. Moskva, Metallurgizdat, 1963. 355 p.

NONFERROUS METALS—ANALYSIS

Fainberg, S. IU., and Filippova, N. A. [Analysis of nonferrous metal ores] Analiz rud tsvetnykh metallov, 3, ispr. i dop. izd. Moskva, Metallurgizdat, 1963, 871 p.

NONFERROUS METALS—ELECTROMETALLURGY

Mastering the procedure of nodulizing and roasting flotation concentrates, IA. Kh. Osipov and others, TSvet. met., 36 no. 9:42-46 S '63.

NONFERROUS METALS—EXHIBITIONS

New exhibits in the nonferrous metallurgy department of the "Machinery manufacture" pavilion, TSvet. met., 36 no. 9:98 S '63.

NONFERROUS METALS—METALLURGY

(see also subdivision under Kazakhstan)

Accelerating the fuming of slags with the use of oxygen-enriched air, A. I. Okunev and others, TSvet. met., 36 no. 5 34-41 My '63.

Akademiia nauk Kirgizskoi SSR, Frunze. Institut avtomatiki [Some problems in the automatic control of nonferrous metal production processes] Nekotorye voprosy avtomatizatsii protsessov proizvodstva tsvetnykh metallov. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 37 p.

Moscow. TSentral'nyi institut informatsii tsvetnoi metallurgii. [Oxygen is a powerful factor in the intensification of the processes for obtaining nonferrous metals] Kislorod—moshchnyi faktor intensifikatsii protsessov polucheniia tsvetnykh metallov, Moskva, 1963. 44 p. (Metallurgiia tiazhelykh tsvetnykh metallov i zolota)

Problems of the comprehensive utilization of the Kustanay ores, I. Bok, M. Darishev, Sh. Urpekov, Nar. khoz. Kazakh., 21 no. 7:70-72 Jl '63.

Using the extraction method in metallurgy, G. V. Illiuvieva, TSvet. met., 36 no. 9:1-7 S '63.

Widely expand the use of oxygen in nonferrous metallurgy, TSvet. met., 36 no. 5 1-4 My '63.

NONWOVEN FABRICS

(see also subdivision under Czechoslovakia)

Assortment of nonwoven fabrics, M. D. Perepelkina, R. S. Gubina, K. I. Krzhizhanovskii, Tekst. prom., 23 no. 9:15-19 S '63.

Effect of the fiber length and amount of bonding materials on the physicomechanical properties of nonwoven fibrous film systems, N. G. Ovechenko and others, Tekst. prom., 23 no. 9:30-33 S '63.

Finishing of knit and stitched nonwoven fabrics, G. Mukhamedzhanov, S. S. Palladov, Tekst. prom., 23 no. 9, 25-27 S '63.

Manufacture of blended wool nonwoven fabrics for outerwear, V. Karpaviciene, G. Reseliauskas, Tekst. prom., 23 no. 9:19-23 S '63.

Manufacture of nonwoven packing materials from short No. 3 flax fibers with the gluing method, Z. K. IAkubenko, E. P. Baranova, Nauch.-issl. trudy TSNIILV 17:153-162 '62.

Microstructure of nonwoven fibrous [illegible] effect exerted on it by the technological [illegible], N. G. Ovechenko, I. A. Ivanova, S. A. P[illegible] prom., 23 no. 9 27-30 S '63.

Problems of the technology of nonwoven textile manufactured with the method of bonding fibrous [illegible], L. I. Ustinova, S. S. Volotkina, [illegible] 23 no. 9 3-10 S '63.

Warm greetings to the participants of the [illegible] exhibition of nonwoven textile materials, [illegible] 23 no. 9 1-2 S '63.

NONWOVEN FABRICS—BIBLIOGRAPHY [illegible] raphy—Nonwoven fabrics

NONWOVEN FABRICS—TESTING

Methods for testing nonwoven fabrics, [illegible] A. Tekst. prom., 23 no. 9 10-15 S '63.

NORADRENALINE

Use of noradrenaline in massive intercostal [illegible], F. N. Kazantsev, Akush. i gin., no. [illegible]

NORTH ATLANTIC TREATY ORGANIZATION

Another attack of nuclear fever, I. Ganin, [illegible] 21 no. 10 6-8 O '63.

NATO and the national independence of [illegible], K. Zillmacus, Mezhdunar. zhizn' 10 no. 10 [illegible] '63.

A nonaggression pact will be an important step [illegible] relaxation of tension, G. Tunkin, Mezh. [illegible] 10 no. 10 11-19 O '63.

The "strategy of peace" and the "Atlantic [illegible], A. Sovetov, Mezhdunar. zhizn' 10 no. [illegible]

Strengthening the ideological treatment of [illegible] the Bundeswehr, I. Malakov, N. Golovin, [illegible] vest., 12 no. 11 111-117 N '63.

NORTH KAZAKHSTAN PROVINCE—CRANIOLOGY

Materials on the anthropology of the [illegible], North Kazakhstan, V. V. Ginzburg, Sbor. [illegible] etn., 21 297-337 '63.

NORTH KOREA see Korea, North

NORTH OSSETIA see Ossetia, North

NORTHERN CAUCASUS see Caucasus, Northern

NORTHEAST PASSAGE

Work on the history of the North Sea route, [illegible] geev, P. A. Gordienko, Izv. AN SSSR, [illegible] 112-144 S-O '63.

NORTHERN DVINA VALLEY

River regulation in the Northern Dvina, A. V. [illegible] Rech. transp., 22 no. 9 43-46 S '63.

NORWAY—POLITICS AND GOVERNMENT

Governmental crisis, IU. Serbin, N. Averin, [illegible] dunar. zhizn' 10 no. 10 111-113 O '63.

A new change of Cabinet in Oslo, Ill. Sergin, [illegible] 21 no. 10 12-13 O '63.

NORWEGIAN LANGUAGE—DICTIONARIES

[Norwegian-Russian dictionary; approximately [illegible] words with a brief grammatical appendix] [illegible] russkii slovar'. Okolo 77 000 slov. Pod [illegible] s prilozheniem kratkogo grammaticheskogo [illegible] sostavlennogo M. I. Steblin-Kamenskim. M. [illegible] izd-vo inostr. i natsional'nykh slovarei, 1963. [illegible]

NOSE

Why does man need a nose? T. Kostyrova, [illegible] Nauka i zhizn' 30 no. 5:67-68 My '63.

NOSE—DISEASES

Infectious atrophic rhinitis in swine, Ill. V. Ko[illegible] Veterinariia 39 no. 11:47 N '62.

Rhinogenous abscess of the left lobe of the [illegible] in recovery, I. Z. Roskin, Zhur. ush., nos. i gor. bol., 23 no. 4:78-80 Jl-Ag '63.

Upper respiratory tracts in silicosis, A. I. [illegible] Tusupbekov, Zdrav. Kazakh., 23 no. 3:40-43 [illegible]

NOSE—FOREIGN BODIES

Removal of foreign bodies from the nose, B. I. [illegible] cha, Zhur. ush., nos. i gorl. bol., 23 no. 4:84 Jl-[illegible] '63.

Case of a gigantic mucocele in the frontal and [illegible] sinuses of the nose, D. E. Rosengaus, V. V. [illegible] Zhur. ush., nos. i gorl. bol., 23 no. 4:85 Jl-[illegible]

Review of M. Kh. Faizullin's book "X-ray diagnosis of diseases and lesions of the accessory sinuses of the nose," V. A. Diachenko, Vest. rent. i rad. [illegible] 80-81 Ja-F '63.

NOTARIES

From the practice of notarial agencies, [illegible] 32 Ag '63.

From the practice of notarial agencies, [illegible] no. 16:30-31 Ag '63.

From the practice of notarial agencies, [illegible] no. 17:31 S '63.

NOTIONS (MERCHANDISE)
(see also subdivision under Kharkov)

Price-stimulating measures. V. Plotkin, Sov. patent kooperatsiia no. 7, 36-38 Jl '64.

NOVGOROD—ELECTRIC EQUIPMENT INDUSTRY

Reconstruction of the plant. V. Golubev. Sov. tramp. 41 no. 5, 26 My '64.

NOVOAZOVSKOYE DISTRICT—GASTROENTERITIS

Eliminating a farm from infectious gastroenteritis of swine. N. G. Ostapets. Veterinariia 39 no. 11, 28-29 N '62.

NOVOAZOVSKOYE DISTRICT—SWINE—DISEASES AND PESTS

Ridding a farm from infectious gastroenteritis of swine. N. G. Ostapets. Veterinariia 39 no. 11, 28-29 N '62.

NOVOCAINE

Effect of novocaine on the antimicrobial activity of some antibiotics and sulfanilic. Preliminary report. I. A. Romanenko, and N. P. Matveeva. Antibiotiki 7 no. 7, 661-664 Jl '62.

Effect of novocaine blockade upon the indication of delayed-type hypersensitivity and cardiac complications. N. I. Shtukkert, and Yu. Ya. Vrach. Klin. delo no. 9, 148-149 '64.

Results of treating stenocardia with a novocaine block [with summary in English]. B. M. Khromov. Vrach. delo no. 7, 30-31 Jl '64.

Use of citral in connection with retrotonsillary injection of novocaine with 0.5% alcohol administration in the treatment of chronic tonsillitis. A. B. Lebedev. Zhur. ush., nos. 4, 5, and 6, 26-27 Jl '64.

NOVOCHERKASSK—ELECTRIC LOCOMOTIVES

Report of the technical organization plan in reducing costs. P. Kuznetsov. Elektrichestvo 10 no. 10, 44-46 O '64.

NOVOCHERKASSK—MACHINERY INDUSTRY—COSTS

Results of the technical organization plan in reducing costs. S. P. Ivanov. Elektrichestvo 10 no. 10, 44-46 O '64.

NOVOMARYIEVSKAYA LAGOON—CARP

Comparative morphological analysis of Caspian crass-carp [Carassius carassius carassius gibelio Bloch] from the Novomaryievskaya Lagoon in Stavropol Territory. E. P. Astanin, and M. I. Podporinova. Vop. ikht. 4 no. 3, 444-457 '64.

NOVOMOSKOVSK—CHEMICAL PLANTS

Obituary of the Communist Youth League. I. Vladimirov, and others. Smena 19 no. 11, 4-5 Jl '64.

NOVOROSSIYSK—NATURAL HISTORY SOCIETIES

Natural-science section of the Novorossiysk Natural History Society (1864-1924). P. B. Il'inskii. Ist.-mat. issl. no. 14, 401-410 '61.

NOVOSIBIRSK PROVINCE—VETERINARY MEDICINE

Propagandation of veterinary knowledge. S. I. Dzhupina. Veterinariia 39 no. 11, 16-18 N '62.

NOVYY AFON—ANTIQUITIES

Weathervane vaulting under the cloud. V. Vishnevskii. Sovetskaia kul'tura 10 no. 9, 62-64 S '64.

NUCLEAR COUNTERS
(see also subdivision under Leningrad)

Spark counter for recording cosmic-ray particles. M. I. Bak, Iu. I. Laikan. Trudy In-t. fiz. fiz. AN Kazakh. SSR no. 19, 96-111 '64.

Possibility of large-area semiconductor detectors for α-spectrometry. V. I. Kushnirenko, and others. Atom. energ. 16 no. 4, 321-324 O '64.

NUCLEAR ENGINEERING
[Nuclear engineering abroad] Atom. tekh. za rub. 7 no. 8, Ag '64.

NUCLEAR FISSION

Channeling effects in the energy dependence of the mean kinetic energy of U^{235} fission fragments. V. N. Okolovich, G. N. Smirenkin. Atom. energ. 15 no. 3, 250-251 S '63.

Correlation of the mass distribution of fission fragments with the quantum characteristics of the nucleus at the saddle point. P. P. D'iachenko, and others. Atom. energ. 15 no. 3, 216-217 S '63.

Decay of residual nuclei produced in the interaction of 660 Mev. protons with carbon nuclei [with summary in English]. A. P. Zhdanov, P. I. Fedotov. Zhur. eksp. i teor. fiz. 15 no. 3, 455-459 S '63.

Energy distribution of spontaneous fission fragments of Cm^{244}. L. Z. Malkin, and others. Atom. energ. 15 no. 3, 240-250 S '63.

Kinetic energy and angular distribution of the fragments of U^{238} fission by neutrons and photons. B. A. Bochagov, A. P. Komar, V. I. Badeev. Atom. energ. 15 no. 3, 191-194 S '63.

Emerging neutrons from U^{233} fission by 15 Mev. neutrons. B. F. Maksyutenko. Atom. energ. 15 no. 4, 321-322 O '63.

Radiochemical study of the yields of elements of the rare earth group in U^{238} photofission. K. A. Petrzhak, R. V. Sedletskii. Atom. energ. 15 no. 4, 308-311 O '63.

Isotopic composition of Ba^{140} and I^{132} as products of nuclear fission. K. A. Petrzhak, L. A. Ermakova, V. I. Adamov. Atom. energ. 15 no. 4, 320-321 O '63.

NUCLEAR FUELS

Direct determination of fission energy in uranium cells. D. I. Savel'ev, and Yu. N. Shubin. Atom. energ. 15 no. 3, 205-206 S '63.

Method for calculation on the basis of lethargy of critical assemblies. F. F. Dmitriev-Stepnoi, S. S. Loginov, and G. Ia. Rumiantsev. Atom. energ. 15 no. 3, 259-260 S '63.

NUCLEAR MAGNETIC RESONANCE AND RELAXATION

Electronic method for quantitative evaluation of relaxation [with summary in English]. L. L. Rokhal. Zhur. eksp. i teor. fiz. 45 no. 4, 739-743 S '63.

Quantum theory of the Overhauser effect in metals. M. I. Kaganov, and Iu. Pravdivtsev. Fiz. tver. tela 5 no. 9, 2644-2646 S '63.

NUCLEAR MODELS

Bahaliov, V. V. [Resonance model of NN-interactions and its application to the nucleus] Rezonansnaia model' NN-vzaimodeistvii i ee primenenie k iadru. Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1962. 17 p. [MICROFILM]

Capture of π^--mesons by light nuclei in the zero charge model [with summary in English]. G. M. Gladkovskii, and Zhur. eksp. i teor. fiz. 45 no. 4, 998-1005 S '63.

Coulomb corrections to $\pi^+ p$ and pp scattering based on model with three Regge poles [with summary in English]. V. P. Lamevets, I. T. Dyatlov, and B. V. Morozov. Zhur. eksp. i teor. fiz. 45 no. 4, 679-683 S '63.

Decomposition of the nucleon shells. I. V. Borisov-Pokhilin, V. I. Kosl'nikov, and I. V. Astrov. 18 no. 5, 771-779 My-Je '64.

NUCLEAR PHYSICS—RESEARCH see subdivision under Kazakhstan

NUCLEAR REACTIONS

Barashenkov, V. S., and I. Patera. [Cross sections of antinucleon production] Sechenila rozhdeniia antinuklonov. Dubna, 1962. 12 p. [With summary in English] [MICROFILM]

Effect of Co^{58} recoil nuclei in (γ, n)-reaction in complex compounds of cobalt, Co(III) triglycinate and vitamin B_{12}. Iu. A. Ershov, and others. V. Mudrova-Iablonitska. Radiokhimiia 5 no. 1, 510-519 '63.

Ilinov, V. N. [Interaction of resonance neutrons with aligned nuclei] Vzaimodeistvie rezonansnykh neitronov s vyravnennymi iadrami. Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1963. 13 p. [With summary in English in insert]

An experimental possibility of studying the mechanism of the (t, d) reaction [with summary in English]. V. V. Balashov. Zhur. eksp. i teor. fiz. 45 no. 3, 541-543 S '63.

Blotov, G. N., and V. A. Karlukhov. [Effect of large angular momenta in nuclear reactions with heavy ions] Effekt bol'shikh uglovykh momentov v iadernykh reaktsiiakh s tiazhelymi ionami, doklad, predstavlennyi na Mezhdunarodnyi simpozium po problemam vzaimodeistviia i mekhanizmam iadernykh reaktsii (Padua). Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1962. 14 p. [With summary in English] [MICROFILM]

Nuclear processes in chromospheric flares [with summary in English]. B. M. Vladimirskii, A. B. Severnyi, and Iu. Krym. Astrofiz. obser. 29, 80-85 '63.

Photoproduction of π-mesons on nucleons, and fermion Regge pole [with summary in English]. M. P. Rekalo, V. G. Gorbunov, G. V. Frolov. Zhur. eksp. i teor. fiz. 45 no. 3, 867-875 S '63.

Regge poles and the asymptotic behavior of the cross sections of certain processes of weak interaction [with summary in English]. Nguen Van Khieu. Zhur. eksp. i teor. fiz. 45 no. 3, 541-547 S '63.

Scintillation methods for studying (γ, p) reactions. V. G. Shevchenko, B. A. Il'iev. Vest. Mosk. un. Ser. 3, Fiz., astron. 18 no. 5, 11-17 S-O '63.

Theory of photodisintegration of light nuclei with emission of fast deuterons [with summary in English]. V. V. Balashov, V. N. Fetisov. Zhur. eksp. i teor. fiz. 45 no. 5, 1542-1549 S '63.

NUCLEAR REACTORS

Conference on the use of research reactors for chemical research. A. N. Nesmeianov. Atom. energ. 15 no. 3, 267-268 S '63.

Dement'ev, B. A. [Transport and engineering equipment and the refueling of nuclear reactors] Transportno-tekhnologicheskoe oborudovanie i peregruzka iadernykh reaktorov, uchebnoe posobie dlia studentov spetsial'nosti "Proektirovanie i ekspluatatsiia atomnykh elektrostantsii." Redaktor K. N. Proskuriakov. Moskva, Mosk. energ. in-t, 1961. 59 p.

Effect of reflectors made from different materials on an increase in neutron capture by the uranium shielding of a fast reactor. V. I. Golubev, and others. Atom. energ. 15 no. 3, 258-259 S '63.

Gauzit, Maurice, and Theo Kahan. [Control of nuclear reactors. Translated from the French] Upravlenie iadernymi reaktorami. Pod obshchei red. I. IA. Emel'ianova. Moskva, Atomizdat, 1960. 173 p. tables. (NIC)

Measurement of the absorption limit between 6 and 10 Mev. in the IRT-1000 reactor by the activation method. I. V. Tomashatov, A. I. Blinov, V. V. Postnikov. Atom. energ. 15 no. 1, 112-113 O '63.

Steam contamination in boiling reactors due to corrosion products of the steam. I. A. Styrikovich, O. I. Martynova, Atom. energ. 17 no. 1, 11-16 S '64.

Symposium on the selection of uniform-size fuel for nuclear reactors and its fabrication. V. F. Zelenin. Atom. energ. 15 no. 4, 340-360 O '63.

NUCLEAR REACTORS—ABSTRACTS

[Nuclear reactors] Ref. zhur., IAd, issl., no. 10, O '63.

NUCLEAR SPIN

Effect of high-order anharmonicities on transition probabilities in solid [with summary in English]. R. A. Gnezdilov, and others. Fiz. tver. tela 5 no. 3, 750-761 S '63.

Electron-nuclear scattering amplitudes of particles with spin 1 in Regge poles [with summary in English]. D. V. Volkov. Zhur. eksp. i teor. fiz. 45 no. 3, 742-745 S '63.

Some substance parameters in sound absorption due to spin-lattice relaxation. V. A. Golubnichaia-Kutsova, I. G. Khutsishvili, and I. A. Tsvetkova. Fiz. tver. tela 5 no. 9, 2637-2639 S '63.

Oganesian, Iu. Ts., and others. [Gamma radiation of high-spin nuclei] γ-izlucheniie iadernykh sostoianii spinom. Dubna, 1962. 13 p. [With summary in English] [MICROFILM]

Spin-lattice relaxation of the Fe^{3+} ion in $La(C_2H_5SO_4)_3 \cdot 9H_2O$. P. P. Feofilov, A. M. Prokhorov. Fiz. tver. tela 5 no. 9, 2722-2724 S '63.

Theory of spiral amplitudes [with summary in English]. IA. A. Smorodinskii. Zhur. eksp. i teor. fiz. 45 no. 4, 601-609 S '63.

NUCLEI, ATOMIC

Electric quadrupole transitions in nuclei. D. K. Kaipov, A. N. Perlov. Trudy Inst. iad. fiz. AN Kazakh. SSR 6, 71-78 '64.

NUCLEIC ACID METABOLISM

Effect of vitamin B_{12} on the content of nucleic acids in the hematopoietic organs of irradiated animals [with summary in English]. Z. I. Sheremet, I. I. Kazanova. Med. rad. no. 1, 46-51 '63.

NUCLEIC ACIDS

Action of some antitumor antibiotics on the synthesis of nucleic acids in the cells of staphylococci [with summary in English]. A. V. Laiko. Antibiotiki 7 no. 7, 601-605 Jl '62.

Antigenic properties of deoxyribonucleic acid in salmonella typhimurium No. 70. V. D. Timakov, and others. Zhur. mikrobiol., epid. i immun. 40 no. 1, 5-13 '63.

Deoxyribonucleic acids in bacteriophages. D. M. Gol'dfarb. Zhur. mikrobiol., epid. i immun. 40 no. 1, 14-20 '63.

Significance of RNA of the virus of tick-borne encephalitis in the pathogenesis of experimental infection in mice [with summary in English]. R. G. Desiatkova, O. G. Andzhaparidze, and I. Ia. Rina. Vop. virus. 8 no. 3, 275-278 My-Je '63.

Study of infectious RNA formed in insects infected by the nuclear polyhedrosis virus [with summary in English]. S. M. Gol'shenzon, and others. Vop. virus. 8 no. 3, 337-341 My-Je '63.

Study of the reactivation of DNA- and RNA-containing viruses [with summary in English]. V. I. Cherno, IU. Z. Gendon. Vop. virus. 8 no. 3, 268-275 My-Je '63.

NUCLEONS—SCATTERING

Diagram summation method for determining nucleon-nucleon scattering amplitudes. V. V. Komarov, A. M. Popova. Vest. Mosk. un. Ser. 3, Fiz., astron. 18 no. 5, 18-23 S-O '64.

Distribution of transverse pulses of particles in nucleon interactions. Zh. S. Takibaev, E. G. Boos, N. P. Pavlova. Trudy Inst. iad. fiz. AN Kazakh. SSR 6, 80-93 '63.

Phase shift analysis of nucleon-nucleon scattering at 117 Mev. IU. M. Kazarinov, V. S. Kiselev, I. N. Silin. Zhur. eksp. i teor. fiz. 45 no. 3, 637-642 S '63.

NUKHA DISTRICT—WHEAT—FERTILIZERS AND MANURES

Effect of fertilizers on the yield of winter wheat [in Azerbaijani with summary in Russian]. IU. K. Kakhramanov. Trudy Azerb. nauch.-issl. inst. zem. 12, 29-32 '62.

NUKUS—AGRICULTURE—STUDY AND TEACHING

Nukus Agricultural School. Sred. spets. obr. 10 no. 6, 60-61 S '63.

NUMBERS, COMPLEX

Projective metrization and complex numbers. N. D. Peteko. Dokl. AN Arm. SSR 36 no. 3, 137-140 '63.

NUMBERS, PRIME

Bertrand's postulate in Euler's notes. G. P. Matvievskaia. Ist.-mat. issl. no. 14, 285-288 '61.

NUMBERS, THEORY OF

L. Euler's studies on the theory of numbers V. V. Kotel'nikov. Ist.-mat. issl. 15:50-57 '62.

NUMBERS, TRANSCENDENTAL

Measure of a set of S-numbers in a p-adic field. V. G. Sprindzhuk. Dokl. AN SSSR 151 no. 6:1292 Ag '63.

Measure of transcendency of the number e. N. I. Fel'dman. Usp. mat. nauk 18 no. 3:207-213 My-Je '63.

NUMEROV, BORIS VASIL'EVICH, 1891-1943

Boris Vasil'evich Numerov; on the occasion of the 75th anniversary of his birth. N. S. Akhontova. Biul. inst. teor. astron. 9 no. 3:213-215 '63.

NUREMBERG TRIAL OF MAJOR GERMAN WAR CRIMINALS, 1945-1946

A lesson to aggressors. A. I. Munder. Sov. gos. i pravo no. 10 142-146 O '59.

NURSES AND NURSING

(see also subdivision under Vinnitsa)

Aleksandra Fedotovna Govorova. Med. sestra 22 no. 5: 63-64 S '63.

Aleksandra Petrovna Matveeva. Med. sestra 22 no. 8: 60 Ag '63.

Evdokiia Aleksandrovna Kornilova. Med. sestra. 22 no. 8:59 Ag '63.

Polina Timofeevna Melent'eva. Med. sestra 22 no. 8 60-61 Ag '63.

NUTRITION

(see also subdivision under Turkmenistan)

Rational feeding of workers operating in high temperature shops. K. Mironchik, L. Priputina, V. Belotskaia. Obshchestv. pit. no. 8 23-26 Ag '62.

Role of nutrition in evolution. S. M. Ablokov-Khazanian. Biul. MOIP. Otd. biol. 68 no. 5 109-112 S-O '63.

Teaching the population the value of proper nutrition is the duty of a nurse. L. V. Baranovskii. Med. sestra 22 no. 9:57-59 S '63.

Variety is the basis for rational nutrition. O. Molchanova. Nauka i zhizn' 30 no. 9 26-27 S '63.

NUTRITION—RESEARCH

Seventy years later. A. Alekseev. Nauka i zhizn' 30 no. 5:92-95 My '63.

NUTS

Golden autumn.... B. Aleksandrov. Semlia i shkola 16 no. 9 43 S '63.

NYLON

(see also subdivision under Chernigov)

Effect of heat treatment on the properties and structure of articles made from kapron residues. E. I. Kapkova, L. S. Terletskaia, D. I. Riabokhtan. Plast. massy no. 6:62-65 '63.

Electron microscope study of the structure of capron and lavsan fibers treated with phosphotungstic acid. E. M. Belavtseva, K. Z. Gumargalieva, A. I. Kitaigorodskii. Dokl. AN SSSR 151 no. 6:1356-1357 Ag '63.

Use of nylon bushings in sections with automatic block signaling. M. D. Oloviannikov, G. K. Basaeva. Put' i put. khoz. 7 no. 9:25 '63.

NYLON—TESTING

Structure of polyamide fibers studied by the etching test. V. A. Berestnev, L. S. Dubova, E. S. Alekseeva. Khim. volok. no. 5:29-31 '63.

OAK

(see also subdivision under Krasnodar Territory)

Reaction of oak acorns and seedlings to gibberellin. V. G. Mishnev, E. D. Mantsevich, V. K. Savchenko. Dokl. AN BSSR 7 no. 6 410-413 Je '63.

OB' RIVER—NAVIGATION

Methods of improving navigation conditions on the Ob' River. N. Mokkaveev, R. Chalov. Rech. transp. 22 no. 9 15-17 S '63.

OBOR REGION (KHABAROVSK TERRITORY)—LUMBERING—LABOR PRODUCTIVITY

Causes of low economic indices of the Obor Logging Camp. F. Boichukov. Les. prom. 41 no. 6:27-28 Je '63.

Most important data on the creative and scientific activities of V. A. Obruchev. Och. po ist. geol. znan. no. 12 206-211 '63.

Reminiscences of the second Moscow period 1921-1929, V. A. Obruchev. Och. po ist. geol. znan. no. 12 20-40 '63.

V. A. Obruchev's activity in the Crimea. B. A. Fedorovich, D. I. Shcherbakov. Och. po ist. geol. znan. no. 12 51-62 '63.

V. A. Obruchev's answers to the questionnaire of the Central Institute of Labor. V. V. Obruchev. Och. po ist. geol. znan. no. 12 41-47 '63.

Vladimir Afanas'evich Obruchev, on the 100th anniversary of his birth. I. G. Kamanin, E. M. Murzaev. Izv. AN SSSR Ser. geog. no. 5:79-85 S-O '63.

OBRUCHEV, VLADIMIR AFANAS'EVICH, 1863-1956—BIBLIOGRAPHY see Bibliography—Obruchev, Vladimir Afanas'evich, 1863-1956

OBSTACLES (MILITARY SCIENCE)

Operations of mobile blocking detachments in the mountains and in the desert. M. Shteinberg. Voen. vest. 42 no. 11:89-91 N '62.

OBSTETRICS see subdivision under Bol'shiye Berezniki District, Kharkov Province

OBSTETRICS—SURGERY

Determination of the time for the beginning of surgery under ether anesthesia. S. A. Putilin. Zdravookhranenie 6 no. 2 44-45 Mr-Ap '63

OCCUPATIONAL DISEASES

Practice in dispensary treatment of bathhouse workers with epidermophytosis. M. I. Katlin and others. Vest. derm. i ven. 37 no. 2 70-72 F '63.

OCCUPATIONS

This is not a personal matter. I. Ogloblin. Znan.-sila 38 no. 3:7 Mr '63.

OCEAN CURRENTS

Steady wind-driven currents in a nonhomogeneous ocean with varying depth [with summary in English]. L. M. Fomin. Trudy Inst. okean. 66:29-45 '63.

OCEAN TEMPERATURE

Discontinuity layer in the ocean [with summary in English]. S. A. Kitaigorodskii, B. N. Filiushkin. Trudy Inst. okean. 66:3-28 '63.

Methods of estimating advection in the heat balance of seas and oceans [with summary in English]. V. S. Samoilenko. Trudy Inst. okean. 66:46-58 '63.

OCEAN TRAVEL

My blue Oceania (to be continued). Leonid Tendiuk. Znan. ta pratsia no. 3:23-26 Mr '63

OCEANOGRAPHIC RESEARCH

[illegible]

SSSR [In Russian with summaries in English] No. 8 [Oceanographic research] Okeanologicheskie issledovaniia, 1963. 160 p.

In the ice of the Antarctic. V. G. Kort. Kul't. i zhizn' 7 no. 2:12-13 '63.

Let the ocean part! I. Belousov, IA. Golovanov, P. Dolinitsyn. Znan.-sila 38 no. 3:46-49 Mr '63.

Methodology of calculating inertial fluctuations of hydrologic elements [with summary in English]. A. D. IAmpol'skii. Trudy Inst. okean. 66:142-148 '63.

Orders of magnitude of oceanologic characteristics [with summary in English]. A. N. Gezentsvei. Trudy Inst. okean. 66:91-124 '63.

Oaskin, S. D. [In the depths of the ocean] V puchinakh okeana. Pod nauchn. red. L. A. Zenkovicha. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. XII Seriia. Geologiia i geografiia, no. 17)

OCEANOGRAPHIC RESEARCH STATIONS see subdivision under Ukraine

OCEANOGRAPHY see subdivision under Atlantic Ocean, Pacific Ocean

OCKHAM, WILLIAM, d. ca. 1349

Ockham as political thinker in the evaluation of present-day bourgeois historiography. S. M. Raskina. Sred. vek. no. 23:265-276 '63.

OCTOPUS

"Rival" No. 1. Dmitrii Sukharev. Smena 40 no. 16:30-31 Ag '63.

ODESSA—GUIDEBOOKS

Kotliada, I. M. [Through sunny Odessa; a concise guidebook] Po solnechnoi Odesse; kratkii putevoditel'. [Odessa] Odesskoe knizhnoe izd-vo, 1963. 127 p.

ODESSA—HOSPITALS—OUTPATIENT SERVICES

Dispensary treatment of patients at municipal medical centers. IU. N. Gordon. Vrach. delo no. 7:123-125 Jl

ODESSA—MACHINE-TOOL INDUSTRY

New machine tools manufactured at the Khar'kov [illegible] Odessa. Kh. L. Shikhel'man. Mashinostroitel' [illegible] 9-11 Ag '63.

ODESSA—MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING

If everyone of us . . . V. Dedova. Sov. profsoiuz. [illegible] no. 16 27-28 Ag '63.

ODESSA—MATHEMATICS—RESEARCH

Odessa. Universytet. [Scientific yearbook of Odessa University] Nauchnyi ezhegodnik. Odessa.

No. 2. [Faculty of Physics and Mathematics and the Research Institute of Physics] Fiziko-matematicheskii fakul'tet i Nauchno-issledovatel'skii institut fiziki. 1961. 197 p.

ODESSA—OFFENSES AGAINST SOCIALIST PROPERTY

How could it happen? N. Monchadskaia. Sov. deputat [illegible] no. 9 71-75 S '63.

ODESSA—PALEONTOLOGY

No, it was not done by strangers from outer space. IUrii Gur'ev. Znan.-sila 38 no. 7:31-35 Jl '63.

ODESSA—PHYSICS

Odessa. Universytet. [Scientific yearbook of Odessa University] Nauchnyi ezhegodnik. Odessa.

No. 2. [Faculty of Physics and Mathematics and the Research Institute of Physics] Fiziko-matematicheskii fakul'tet i Nauchno-issledovatel'skii institut fiziki. 1961. 197 p.

ODESSA—SANATORIUMS

We study the practice of the best. G. Belykh. Okh. truda i sots. strakh. 6 no. 8:32 Ag '63.

ODESSA—STUDENT ACTIVITIES

I am looking for Strechen'. V. Tret'iakov. Smena 45 no. 16 1-3 Ag '63.

ODESSA—WOMEN—SOCIETIES AND CLUBS

Helping hands of our women. A. Zueva. Sov. deputat [illegible] no. 9:50-53 S '63

ODESSA, BATTLE OF, 1941

Fadeev, A. V. [Odessa's heroic struggle] Podvig Odessy. Izd. 3., perer. i dop. Moskva, Gospolitizdat, 1963. 94 p. (Stranitsy istorii Sovetskoi Rodiny)

We should correct some stories of the defense of Odessa. D. Boiko. Voen.-ist. zhur. 5 no. 8:115-117 Ag '63.

ODESSA PROVINCE—BANKS AND BANKING

Bank control over the production and financial planning on collective farms. I. Altytser. Den. i kred. 21 no. 10 48-52 O '63.

ODESSA PROVINCE—COLLECTIVE FARMS—AUDITING AND INSPECTION

Bank control over the production and financial planning on collective farms. I. Altytser. Den. i kred. 21 no. 10 48-52 O '63.

ODESSA PROVINCE—IRRIGATION CANALS AND FLUMES

Using sluice gates as watermeters in irrigation canals. M. S. Zinenberg. Visnyk sil'hosp. nauky 6 no. [illegible] 87-[illegible] S '63.

ODOROUS SUBSTANCES

Chemistry of the third sense. R. Podol'nyi. Znan.-sila 38 no. 3:5-6 Mr '63.

OFFENSES AGAINST SOCIALIST PROPERTY

(see also subdivision under Odessa; Pavlovo, Gorkiy Province)

Golden rags. V. Tonkikh. Sov. iust. no. 16, 16-17 Ag '63.

Liability for loss caused by the embezzlement and pilfering of socialist property. F. Fedorov. Sov. iust. no. 16 6-7 Ag '63.

Tararukhin, S. A. [Socialist property is inviolable, responsibility for the misappropriation of socialist property by means of theft, embezzlement, and abuse of an office] Sotsialisticheskaia sobstvennost' neprikosnovenna i otvetstvennost' za khishchenila sotsialisticheskogo imushchestva putem prisvoenila, rastraty i zloupotrebleniia sluzhebnym polozheniem. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963. 138 p.

We should eliminate the conditions which contribute to the pilfering of socialist property in silk factories. I. Rumiantsev. Sots. zakon. 40 no. 8:48-50 Ag '63.

We should try to eliminate the pilfering of merchandise in trade organizations. B. Dremov, G. Gustov. Sots. zakon. 40 no. 8:46-48 Ag '63.

OFFICE EQUIPMENT AND SUPPLIES

All-Russian conference. Z. V. Belova, G. V. Polosina. Mekh. i avtom. proizv. 17 no. 9:58-60 S '63.

Determining the state and efficiency of the mechanization of engineering design, copying and duplicating processes. L. B. Vorotilova, T. E. Gudim-Levkovich. Mekh. i avtom. proizv. 17 no. 9:56-58 S '63.

OFFICE EQUIPMENT AND SUPPLIES—CLASSIFICATION

Unified classification of engineering and management equipment. G I Slezinger. Mekh. i avtom. proizv. 17 no 9 38-41 S '63.

OFFICE MANAGEMENT see subdivision under Moscow

OFFICE PRACTICE IN GOVERNMENT

Behind closed doors. N. Shtan'ko. Sov. deput. trud. no. 9:110-112 S '63.

OFFSET PRINTING

Soveshchanie po voprosam ispol'zovaniia elektrografii dlia izgotovleniia ofsetnykh pechatnykh form, Moscow, 1961 [Small-scale offset printed forms produced by electrography] Izgotovlenie maloformatnykh ofsetnykh pechatnykh form metodom elektrografii, materialy. Pod red A B. Dravina. Moskv, Vses nauchno-issl. in-t poligr promyshl , 1962. 97 p [MICROFILM]

OIL CAKE—STORAGE

Silo for storing oil cakes made from unhulled cottonseed. B F. Rakhman Masl. -zhir prom 29 no 8 26 Ag '63

OIL FIELD BRINES
(see also subdivision under Volgograd Province)

Akademiia nauk SSSR Institut geologii i razrabotki goriuchikh iskopaemykh. [Geochemistry and hydrochemistry of oil fields] Geokhimiia i gidrokhimiia neftianykh mestorozhdenii. Moskva, Izd-vo Akad nauk SSSR, 1963 150 p

OIL FIELD BRINES—ANALYSIS

New design of the valve for the PD-ZM sampler used for taking and transferring formation-water samples. A. I. Zhelonkin. Neftepром. delo no. 6:27-28 '63.

OIL FIELD BRINES—ELECTRIC PROPERTIES

Determination of the specific resistivity of formation waters of clay reservoirs and study of their surface conductivity. V N. Dakhnov Trudy MINKHiGP no. 41:90-104 '63.

OIL FIELD FLOODING
(see also subdivision under Oklahoma)

Automation of units used in edge water flooding of fields of the Oil Field Administration of the October Petroleum Trust. A. R. Martin. Neftepром. delo no. 6:24-27 '63.

Experimental study of oil recovery in fluid flow across the boundary line of a two-layer formation G A Mamedov Izv vys. ucheb. zav , neft' i gaz 4 no 3 43-46 '61.

Preparing hot water for flooding operations. B. I. Chilingar. Neftepром. delo no. 6:35-37 '63.

OIL FIELDS—EQUIPMENT AND SUPPLIES

Designing preventer bodies. V. A. Markarian. Za tekh. prog. 3 no. 9 21-24 S '63.

Effect of the type of motor load in pumping machines power losses in oil-field electric networks. K. N. Kuliazhev, I. P. Khalkin. Za tekh. prog. 3 no. 9:15-18 S '63.

OIL FIELDS—PRODUCTION METHODS see Petroleum production

OIL HYDRAULIC MACHINERY—HYDRODYNAMICS

Tarko, L. M. [Wave processes in the pipings of hydraulic mechanisms] Volnovye protsessy v truboprovodakh gidromekhanizmov. Moskva, Mashgiz, 1963. 181 p

OIL INDUSTRIES
(see also subdivision under Bulgaria; Chimbay)

Assortment of the oils and fats industry products. N. A. Galushkina. Masl. -zhir. prom. 29 no. 9:4-6 S '63.

Generalize work practices and expand more actively the movement for communist labor. A. E. Sergeev. Masl. -zhir prom. 29 no. 8:3-7 Ag '63.

Introduce advanced practices into production. F. K. Pozdniak. Masl. -zhir. prom. 29 no. 9:12-13 S '63.

Our tasks as seen in the light of the resolutions of the Central Committee of the CPSU. Masl. -zhir prom. 29 no. 8 1-2 Ag '63.

OIL INDUSTRIES—EQUIPMENT AND SUPPLIES

Device for sampling the upper layer of liquids I. K. Sidorenko. Masl. -zhir. prom. 29 no. 8:29 Ag '63.

Review of A. V. Titov's book "Over-all mechanization in oil mills," V. V. Bukhar in and others. Masl. -zhir. prom. 29 no. 8:37-42 Ag '63.

OIL RECLAMATION

Waste oils could be utilized. G. Bernshtein, I. Kolomytsev. Nar. khoz. Kazakh. 21 no. 7:68-69 Jl '63.

OIL RESERVOIR ENGINEERING
(see also subdivision under Apsheron Peninsula)

Problem of pressure distribution in a layer under nonlinearly elastic flow conditions. D. B. Ibragimov, A. B. Tovbis. Inzh. zhur. 3 no. 1:159-160 '63.

Self-simulating solution of the equation of axisymmetric unsteady flow of a two-phase fluid, Ch'en Chung-hsiang. Inzh. zhur. 3 no. 1:71-77 '63.

Using moving waters in an analytical study of the relationships of the incline of water-oil contacts [with summary in English]. V. O. Kraiushkin. Dop. AN URSR no. 8:1107-1110 '63.

Well interference in elastic fluid flow at given well bottom pressures. V IU. Kim. Inzh. zhur. 3 no. 1 63-70 '63.

OIL SANDS
(see also subdivision under Uzbekistan)

Adsorption of chrysotile in minerals and its significance in studying oil-bearing terrigenous sediments Ch M Khalifazade. Izv vys. ucheb zav , neft' i gaz 1 no 3 17-21 '61

Isolation of oil-reservoir rocks in carbonate sediments based on the materials of geophysical study of wells. A. N. Afrikian, E P. IArkina. Trudy VNIING no 1 179-190 '62.

OIL SANDS—ELECTRIC PROPERTIES
(see also subdivision under Volgograd Province)

Determining the specific resistivity of carbonate reservoirs N G. Kulikova Trudy MINKHiGP no 41:242-246 '63.

Using large electric probes to study reservoirs in the water-oil contact zone. M G Latyshova Trudy MINKHiGP no. 41:105-117 '63.

OIL SANDS—PERMEABILITY
(see also subdivision under Carpathian Mountain region)

Determination of the coefficient of porosity of reservoir rocks from data obtained by the neutron-gamma method. Chan Si [Ch'ang Hsi]. Trudy MINKHiGP no. 41 182-188 '63.

Possibility of determining the porosity of rocks from data obtained by the method of potentials of self-polarization. E. I. Leont'ev. Trudy MINKHiGP no. 41:159-172 '63.

OIL SANDS—RADIOACTIVE PROPERTIES

Effect of the mineral composition of the clay on the relationship between the natural radioactivity of sedimentary rocks and their clay content. IU I. Serikov. Trudy MINKHiGP no. 41:247-252 '63.

OIL SHALES

Effect of the composition of Kukersite oil shale on heat losses accounted for by the combustion products [with summary in English]. E. Landa. Izv. AN Est. SSR. Ser. fiz. - mat. i tekh. nauk 12 no. 2:156-163 '63.

OIL WELL CEMENTING

Efficient means of cementing in controlling circulation losses in exploratory drilling. A. A. Volokitenkov. Trudy MGRI 39:130-147 '63.

OIL WELL DRILLING
(see also subdivision under Azerbaijan)

Gadiev, S. M. [Characteristics of cluster drilling] Osobennosti ekspluatatsii kustovykh skvazhin. Moskva, Gostoptekhizdat, 1963. 182 p

OIL WELL DRILLING—EQUIPMENT AND SUPPLIES see subdivision under Apsheron Peninsula

OIL WELL DRILLING—LABOR PRODUCTIVITY

Calculating and planning labor productivity in drilling. V. P. Kaufman, Z. M. Berkolaiko, R. S. Bagdasarian. Azerb. neft. khoz. 42 no. 1 44-46 Ja '63.

OIL WELL DRILLING, SUBMARINE see subdivision under Artem Island

OIL WELL DRILLING, SUBMARINE—ELECTRIC EQUIPMENT see subdivision under Artem Island

OIL WELL DRILLING, SUBMARINE—EQUIPMENT AND SUPPLIES

Efficient methods for corrosion prevention in submarine oil-field equipment. V. F. Negreev, A. A. Farkhadov, P. A. Duel'. Za tekh. prog. 3 no. 9 45-48 S '63.

OIL WELL DRILLING FLUIDS
(see also subdivision under Issykkul' Lake region)

Determining the completeness of displacement in consecutive movement of two immiscible viscoplastic fluids in a circular cylindrical pipe. A A Mirzoian, M N. Makhmudov. Izv vys. ucheb zav , neft' i gaz 4 no. 3:37-42 '61.

Pumping clay muds with centrifugal pumps K A. Ibatulov Izv vys. ucheb. zav. , neft' i gaz 4 no 3:27-32 '61

OIL WELL DRILLING FLUIDS—OPTICAL PROPERTIES

Apparatus for luminescence logging of oil wells from drilling fluid coming out. E. A. Ab and others. Prikl. geofiz. no. 37:183-194 '63.

OIL WELL LOGGING
(see also subdivision under Timan Ridge)

New type of models of porous strata for neutron logging. N. K. Kukharenko and others. Atom. energ. 15 no. 4 338-339 O '63.

OIL WELL LOGGING, ELECTRIC
(see also subdivision under Kura Lowland; Orenburg Province)

Possibility of determining the porosity of rocks from data obtained by the method of potentials of self-polarization. E. I. Leont'ev. Trudy MINKHiGP no. 41:159-172 '63.

Scale for induction logging curves S M Aksel'rod. Izv vys. ucheb zav , neft' i gaz 4 no 3 23-26 '61

Using the time factor in interpretating the results of studying wells by the resistivity method V N Dakhnov Trudy MINKHiGP no 41:93-98 '63.

OIL WELL LOGGING, RADIATION
(see also subdivision under Orenburg Province)

Determination of the coefficient of porosity of reservoir rocks from data obtained by the neutron-gamma method. Chan Si [Ch'ang Hsi] Trudy MINKHiGP no. 41. 182-188 '63.

OIL WELL PUMPS
(see also subdivision under Azerbaijan)

Apparatus for insulation resistance control in sinking electric pumping installations. V. O. Krichke. Neftepром. delo no. 6:19-23 '63.

Performance of sinking rotary pumps operating on oil emulsion. V. P. Maksimov. Neftepром. delo no. 6: 12-15 '63.

Zolin, M. L , and IU. I. Shevchuk. [Increasing the productiveness of pumping jacks] Uvelichenie proizvoditel'nosti stankov-kachalok Baku, Azneftetzdat, 1954 26 p

OIL WELLS see subdivision under Azerbaijan, Tuymazy region

OIL WELLS—EQUIPMENT AND SUPPLIES—CORROSION

New inhibitor for slowing down the corrosion of oil-well equipment. V. A. Sheremet'ev, V P Barannik. Biul. tekh. -ekon. inform Gos. nauch -issl inst. nauch. i tekh inform. 16 no. 8:21-22 '63.

OIL WELLS—HYDRAULIC FRACTURING see subdivision under Azerbaijan, New Mexico

OIL WELLS—TESTING

Leshchev, D. A. [Selective plugging of wells] Razdeliatel'nyi tamponazh v skvazhinakh Moskva, Gostoptekhizdat, 1963 57 p (Obmen peredovym tekhnicheskim opytom)

OILS AND FATS
(see also subdivision under Tajikistan)

Oil of Poterium polygamum seeds. B. M. Baram, A. L. Markman. Uzb. khim. zhur. 7 no. 4 47-52 '63.

Use of oil cakes for solvent binding during extraction. I. V. Gavrilenko, I. M. Ismailov. Masl. -zhir. prom. 29 no. 9:14-16 S '63.

OILS AND FATS—ANALYSIS

Determining the total content of oxidation products in vegetable oils. N I. Pogonkina, V. P. Rzhekhin. Masl. -zhir. prom. 29 no. 8:7-10 Ag '63

OILS AND FATS—BIBLIOGRAPHY see Bibliography—Oils and fats

OILS AND FATS—TESTING

Rapid determination of the moisture content in oils. O. Tarasov. Avt. transp. 41 no. 9 15-17 S '63.

OILS AND FATS, EDIBLE

Ways for reducing the acidity in the production of edible hydrogenated fats. A. G Foksha, V. M. Matygin Masl. -zhir. prom. 29 no. 8:20-22 Ag '63.

OISLENDER, ALEKSANDR

Vigilance, you who are sent forward! Nikolai Ageev. Sov. voin 45 no. 17:18 S '63.

OKA VALLEY—SHREWS

Variability of shrews in the Oka River floodplain (Mammalia, Soricidae). V. A. Dolgov Biul. MOIP, Otd biol 68 no 4:135-140 Jl-Ag '63.

OKLAHOMA—OIL FIELD FLOODING

Advantages in using flood water enriched by carbon dioxide. Neftepром. delo no. 6:33-34 '63.

OLD-AGE PENSIONS

Andreev, V. S. [Material security of Soviet citizens in old-age, and in complete or temporary disability; legal problems] Material'noe obespechenie grazhdan SSSR v starosti, v sluchae invalidnosti i vremennoi netrudosposobnosti; pravovye voprosy. Moskva, Gosiurizdat, 1963. 161 p.

OLD BELIEVERS see subdivision under Transbaikalia

OLD PERSIAN LANGUAGE—GRAMMAR

"Ancient Persia; a grammar and inscriptions with an etymological dictionary by M Mayrhofer" [in Spanish] by W. Brandenstein. Reviewed by M. A. Dandamaev. Vest. drev. ist. no. 1:107-111 '63.

OLD PERSIAN LANGUAGE—WRITING

Problem of old Persian writing. M. A. Dandamaev. Epig. Vost. no. 16:24-35 '63.

OLEFINS

Chlorination and sulfochlorination of polyolefins. B. A. Krentsel', D. E. Il'ina, S. A. Adylov. Plast. massy no. 6:3-8 '63.

OLEFINS (Continued)

Catalytic nonflame flameless oxidation of hydrocarbons as a function of oxidizing ability of oxidizers. S. F. Vesel'ev, N. V. Lyubler, A. M. Morgan. Khim. i tekh. topliv i masel, v. no. 2 10-14 F '63.

OLENEGORSK REGION—MINING ENGINEERING

Sukhov, F. K., and others. [Improving boring and blasting operations at the Olenegorsk Mine] Sovershenstvovanie burovzryvnykh rabot na Olenegorskom rudnike. [Murmansk] Murmanskoe knizhnoe izd-vo, 1962. 77 p.

OLFOMARGARINE

Investigating the technological conditions of the [illegible] Ia. S. Mezin, Masl.-zhir. prom., 29 no. 6 [illegible] '63.

OLIGOCHAETS

Ecological characteristics of oligochaetes under conditions of excessive moistening. V. P. Sokolov. Zool. zhur. 42 no. 6 [illegible] '63.

OLIINYK, STEPAN, 1892-1941

Unpublished translations of Aristophanes. O. P. Gánich, V. M. Zhovtis, and P. Odud. Inst. mov. i lit. 7 224-231 '63.

OL'MINSKII, MIKHAIL STEPANOVICH, 1863-1933—BIBLIOGRAPHY see Bibliography—Ol'minskii, Mikhail Stepanovich, 1863-1933

OLYMPIC GAMES

(see also subdivision under Japan)

Results of the All-Union contest for candidates to the Olympic teams of the U. S. S. R. Teor. i prak. fiz. kul't. 26 no. 6 70-71 Je '63.

OMI RIVER—DIATOMS

New diatoms from Western Siberia. G. I. Gorlacheva. Bot. mat. Otd. spor. rast. 16:49-52 '63.

OMAN—POLITICS AND GOVERNMENT

The Oman question. M. Kamali. Az. Afr. sep. no. 10 [illegible] '63.

OMENTUM—SURGERY

Filtration and resorption process in the kidneys after omentopexy in portal hypertension [with summary in English]. I. M. Lukat. Pat. fiziol. i eksp. terap. 7 [illegible] Jl-Ag '63.

OMSK—PETROLEUM INDUSTRY—SAFETY MEASURES

Volunteer inspector's day. V. Timchenko. Sov. profsoiuzy 19 no. 16 12-14 Ag '63.

OMSK PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION

Kommunisticheskaia partiia Sovetskogo Soiuza. Omskii oblastnoi Komitet. Partiinyi arkhiv. [The Omsk party organization during the period of the turning point and the final victory over the enemy, November 1942 - December 1945] Omskaia partiinaia organizatsiia v period korennogo pereloma i okonchatel'noi pobedy nad vragom, noiabr' 1942 g. - dekabr' 1945 g. [Omsk] Omskoe knizhnoe izd-vo, 1961. 302 p. (Its Omskaia partiinaia organizatsiia v period Velikoi Otechestvennoi voiny, 1941-1945 gg., no. 2) (MH)

OMSK PROVINCE—MILKING

"Omichka" type arrangements for milking parlors. F. Sorpovalo. Tekh. v sel'khoz. 23 no. 2:19-22 F '63.

The Siberian "carrousel." V. Zabava. Tekh. v sel'khoz. 23 no. 2:23-25 F '63.

OMSK PROVINCE—PARASITES—DUCKS

Epizootiology of helminthiases in domestic ducks. G. N. Gerasimova. Veterinariia 39 no. 9:40-42 S '62.

OMSK PROVINCE—WORLD WAR, 1939-1945

Kommunisticheskaia partiia Sovetskogo Soiuza. Omskii oblastnoi komitet. Partiinyi arkhiv. [The Omsk party organization during the period of the turning point and the final victory over the enemy, November 1942 - December 1945] Omskaia partiinaia organizatsiia v period korennogo pereloma i okonchatel'noi pobedy nad vragom, noiabr' 1942 g. - dekabr' 1945 g. [Omsk] Omskoe knizhnoe izd-vo, 1961. 302 p. (Its Omskaia partiinaia organizatsiia v period Velikoi Otechestvennoi voiny, 1941-1945 gg., no. 2) (MH)

OMSK PROVINCE—WORMS, INTESTINAL AND PARASITIC

Epizootiology of helminthiases in domestic ducks. G. N. Gerasimova. Veterinariia 39 no. 9:40-42 S '62.

ONCOLOGY

New radiological equipment in oncology. G. A. Zedgenidze, R. F. Kabzio. Med. rad. no. 1 77-85 '63.

ONCOLOGY—ABSTRACTS

[General problems of pathology, Oncology] Ref. zhur.: Ob. top. pat. Onk. nos. 20-21 O-N '63.

ONTOGENY (BOTANY)

Kuperman, F. M. [Physiologicomorphologic variability of plants in ontogenesis, a lecture from the course "Biology of plant development"] Morfofiziologicheskaia izmenchivost' rastenii v ontogeneze, lektsiia iz kursa "Biologiia razvitiia rastenii." [Moskva] Izd-vo Mosk. univ., 1963.

OOGENESIS

Morphologic and ecologic characteristics of oogenesis in related species of percid fishes. B. V. Ivshevlev. Trudy Inst. morf. zhiv. no. 38 189-231 '63.

OPEN AND CLOSED SHELVES—BIBLIOGRAPHY see Bibliography—Open and closed shelves

OPEN-HEARTH FURNACES

(see also subdivision under Magnitogorsk)

Controlling open-hearth furnace gates from the charging machine. M. I. Baranov, N. I. Kostenkov. Stal' 23 no. 9 798-799 S '63.

Controlling the gates of an open-hearth furnace from a charging crane. V. M. Sandik. Lit. proizv. no. 8 31 Ag '63.

Increasing the output of open hearth furnaces now in service. I. A. Shurygin. Stal' 23 no. 9 792-798 S '63.

Increasing the strength of the substructure vault of an open-hearth furnace. Iu. A. Kamenskii, G. K. Toms. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9 3-9 '63.

New developments in research. N. P. Mershchii, I. B. Shustul'skii. Stal' 23 no. 9 862 S '63.

Single-channel bulkhead of mazut-heated open-hearth furnaces. Iu. A. Kamenskii, G. A. Petol'skaia. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9 5-7 '63.

OPEN-HEARTH FURNACES—DESIGN AND CONSTRUCTION

Possibility of increasing the durability of basic open-hearth furnace crowns. S. M. Broit. Stal' 23 no. 6 516-158 Je '63.

OPEN-HEARTH FURNACES—EQUIPMENT AND SUPPLIES

Optimum weight of the charge for open-hearth furnaces. N. P. Solomakha. Metallurg 8 no. 8 17-18 Ag '63.

OPEN-HEARTH FURNACES—MAINTENANCE AND REPAIR

Zonal changes in the properties of magnesite bricks after service in the crown of open hearth furnaces. M. N. Blyshtein, V. N. Borichcva. Ogneupory 28 no. 8 413-418 '63.

OPEN-HEARTH PROCESS

Accelerating the production of steel in open hearth furnaces. A. A. Sakharo. Stal' 23 no. 6 508-509 Je '63.

Accelerating the production of steel in open-hearth furnaces. V. O. Kulikov, E. Turkebaev. Stal' 23 no. 6 509-510 Je '63.

Comparison of material balances in oxygen converters and large-capacity open-hearth furnaces with the use of oxygen. N. M. Korobshko and others. Stal' 23 no. 9 788-791 S '63.

Silicon reduction in an acid steel smelting process. G. S. Ershov. Izv. AN SSSR, Otd. tekh. nauk Met. i gor. delo no. 4 54-58 Jl-Ag '63.

Slag removal during smelting. B. A. Roguiev. Metallurg 8 no. 8 17 Ag '63.

OPERA see subdivision under Mongolia

OPERATIONS, SURGICAL

Attack of bronchial asthma during and after surgery. N. V. Prakhov. Grud. khir. 1 no. 6 104-105 N-D '62.

OPERATIONS RESEARCH

Early history of military cybernetics in foreign countries. V. Vanyev. Voen.-ist. zhur. 5 no. 6 138-48 Ag '63.

OPERATIVE SURGERY see Surgery, Operative

OPERATORS (MATHEMATICS)

Dynamic systems and one-parameter groups of operators in Frechet spaces. T. A. Zamanov. Trudy Inst. mat. i mekh. AN Azerb. SSR 2:104-128 '63.

Interpolation and extrapolation of linear operators in Orlicz spaces. I. B. Simonenko. Dokl. AN SSSR 151 no. 6 1268-1271 Ag '63.

Operators with absolutely continuous spectra. Iu. L. Shmul'ian. Usp. mat. nauk 18 no. 3:223-230 My-Je '63.

Order and asymptotic value of the approximation of functions by generalized linear Landau operators. R. G. Mamedov. Trudy Inst. mat. i mekh. AN Azerb. SSR 2: 49-65 '63.

Spectra of certain non-self-adjoint operators. R. M. Martirosian. Dokl. AN Arm. SSR 36 no. 3:129-135 '63.

Spectrum of non-self-adjoint differential operators. F. G. Maksudov. Trudy Inst. mat. i mekh. AN Azerb. SSR 2:68-76 '63.

OPHTHALMIC NURSING

Characteristics of nursing in the [illegible] partment. A. S. Solovieva. Fel'd. i akush. 28 no. 5 34 Ag '63.

OPHTHALMOLOGY

Semenovskaia, I. N. [Intellectual [illegible] ophthalmology] Intellektual'nye [illegible] v oftal'mologii. [Moskva] Medgiz, [illegible] (DNLM)

OPIUM ALKALOIDS

Biogenesis of opium alkaloids. [illegible] V. S. Andreev. Bull. MOIP. Otd. [illegible] Jl-Ag '63.

OPTIC THALAMUS—TUMORS

I. A. Razdolitskaia. [illegible] in the [illegible] I. I. Skobolkin. Vrach. delo [illegible]

OPTICAL INSTRUMENTS

Night vision. [illegible] Mashinostroenie Jl '63.

Two-mirror concentrator [illegible] [with English] G. M. Popov. [illegible] Izv. vys. ucheb. zav. Mash. no. 6 [illegible].

OPTICAL MEASUREMENTS [EQUIPMENT]

Technological processes in the [illegible] active I D6-M material. [illegible] Zavod. lab. prom. [illegible]

OPTICS

Fiber optics and their use in military [illegible] S. A. Barchenkov. Mosk. [illegible]

OPTICS, PHYSICAL

Theory of wave propagation in [illegible] V. G. Dmitriev. Vest. Mosk. [illegible] 18 no. 3 [illegible] My-Je '63.

ORATORS, GREEK

Greek oration of the second half of [illegible] B. C., Hypereides, Demosthenes, Lysias, Athenian [illegible] Fragmenta [illegible] drev. lot. no. 1, 381-388 '63.

ORBIT (EYE)—DISEASES

Lymphogranulomatosis with primary [illegible] orbits. Iu. V. Bakhardin. Vrach. delo [illegible] '63.

ORDYNSK DISTRICT—TRADE UNIONS

Readers relate, advise and criticize. [illegible] 16 no. 16 38-39 Ag '63.

ORDZHONIKIDZE (NORTH OSSETIA) [illegible] GOVERNMENT

"I have decided and this is the law." [illegible] others. Sov. deputat. Otd. [illegible]

ORDZHONIKIDZE REGION (AZERBAIDZHAN)—PETROLEUM PRODUCTION—EQUIPMENT AND [illegible]

We are fully utilizing our reserves. [illegible] Neftianik 8 no. 7:28 Jl '63.

ORE DEPOSITS

(see also subdivision under Armenia, [illegible] Mountains, Gornaya Shorlya; Kadzharan, Kedabek region, Salair Ridge, Sayan [illegible] South Kazakhstan Territory, Ural Mountains, Yakutia)

Geological factors in the formation of [illegible] mining the flow of ore-forming [illegible] English]. G. L. Pospelov. Geol. i [illegible] '63.

Possibility of studying the relationship [illegible] mineralization based on mineral [illegible] may in English]. A. A. Lokeman [illegible] 312-317 '62.

Recent trends in the study of endogenic [illegible] Kotlan. Razved. i okh. nedr 29 no. 3 [illegible]

Significance of the inclusions of nobile [illegible] minerals as one of the basic factors [illegible] supergene deposits [with summary in [illegible] Losniak. Min. sbor. no. 16 302-313 [illegible]

Third All-Union Conference on the [illegible] tribution of Endogenetic Ore Deposits. [illegible] O. I. Matkovskii. Min. sbor. no. [illegible]

ORE DEPOSITS—CLASSIFICATION

Classification of hydrothermal deposits [illegible] in English]. D. I. Gorzhevskii. Min. sbor. [illegible] 301 '63.

ORE DRESSING

(see also subdivision under Canada; United States)

Dressing iron-manganese ores of the Atasu deposits. G. I. Kontorovich. Gor. zhur. [illegible] '63.

Dressing of gravel by the jigging method. [illegible] vich, I. A. Kasabov. Stroi. mat. [illegible]

Dressing oxidized Dzherkazgan copper ore [illegible] liuk, M. P. Korablina, M. A. Sukolov. [illegible] i obog. AN Kazakh. SSR 6:3-10 '63.

Electrochemical separation of lead pulps [illegible] formation of intermetallic compounds. [illegible] skii, I. G. Pavlenko, O. G. Zarubitskii. [illegible] no. 9:85-88 S '63.

ORE DRESSING (Continued)

Experimental study of the effect of the jigging cycle on ore distribution by height of fractions of specific weight and size in the jig bed. I. M. Verkhovskii, O. M. Knaus. Sb. nauch. trudy Mosk. inst. radioelek. i gor. elektromekh. no. 11 145-159 '62.

Power consumption by an industrial hydrocyclone during the classification of pyrite ores. Yu. I. Nikitin, V. V. Khachin. TSvet. met. 36 no. 9:16-21 S '63.

Results of adopting a two-stage flowsheet for the comminution of bauxite. Yu. I. Nikitin, M. I. Chepelev. TSvet. met. 36 no. 5 78-80 My '63.

Soveshchanie po voprosam bor'by s pyl'yu na obogatitel'nykh fabrikakh, 1962. [Problems of dust control in ore dressing plants] Voprosy bor'by s pyl'yu na obogatitel'nykh fabrikakh, materialy soveshchaniia. Moskva, In-t gornogo dela, 1963. 118 p. (Obogashchenie)

ORE DRESSING—BIBLIOGRAPHY see Bibliography—Ore dressing

ORE DRESSING—EQUIPMENT AND SUPPLIES

Effect of flocculants on the efficiency of dewatering iron concentrates. G. B. Delitsyna, F. S. Menshchikov. Gor. zhur. no. 9 80-81 S '63.

Electron microscope study of particles in aqueous suspensions of ferrosilicon and separation of tin-bearing ores in them. V. I. Solnyshkin, T. G. Tomov. Nauch. soob. IGD 20,145-148 '63.

Pyatov, B. M. [Electrician of an ore-dressing plant] Elektrosetevaia obogatitel'noi fabriki. Moskva, Gosgortekhizdat, 1963. 227 p.

Seminar at the thematic exhibition of the Achievements of the National Economy on minor equipment for ore dressing plants. TSvet. met. 36 no. 9:95 S '63.

Some problems in dewatering fine iron concentrates. V. I. Kalmazin, L. P. Shupov. Gor. zhur. no. 9, 56-59 S '63.

Using silicate enamels for the coating of working surfaces of ore dressing machines. M. P. Dozhko. TSvet. met. 36 no. 9:90 S '63.

ORE HANDLING

Construction of the junctions of recovery and haulage-and-loading workings at the bottoms of blocks. Z. A. Terpogosov. Nauch. soob. IGD 20 93-99 '63.

ORE KHOVO-ZUYEVO DISTRICT—COMMUNITY AND SCHOOL

Training students for communal activities. I. A. Domashenko. Vest. vys. shkoly 21 no. 9:49-51 S '63.

OREL, BATTLE OF, 1943

Military action in the Bryansk region during the Orel operation. I. Sandalov. Voen.-ist. zhur. 5 no. 8:62-72 Ag '63.

OREL PROVINCE—MILLET—VARIETIES

Some problems in controlled transformation of heredity in millet. G. A. Zakladnyi. Vest. sel'khoz. nauki 8 no. 3 119-120 Mr '63.

ORENBURG—COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP

What is comrade Orlik complaining about? Part. zhizn' no. 19 42-43 O '63.

ORENBURG PROVINCE—AGRICULTURE—STUDY AND TEACHING

Collective farm workers should work carefully. E. Kh. Bragel'manshus. Shkola i proizv. 7 no. 9:26-27 S '63.

ORENBURG PROVINCE—BEET CATTLE

Ways for developing beef cattle raising in Orenburg Province. T. V. Tokarev. Zhivotnovodstvo 24 no. 5: 53-56 My '62.

ORENBURG PROVINCE—EURYGASTERS—EXTERMINATION

Shield bug Eurygaster integriceps in Orenburg Province. A. V. Kolesnik. Zashch. rast. ot vred. i bol. 8 no. 4:11 Ap '63.

ORENBURG PROVINCE—GEOLOGY, STRUCTURAL

Features of the structure of the crystalline basement of the Ural Mountain region of Orenburg Province. G. V. Sal'man. Trudy MGRI 39:3-10 '63.

ORENBURG PROVINCE—JOURNALISM

Time does not give delays. A. Raspevin. Sov. poch. no. 9 11-15 S '63.

ORENBURG PROVINCE—OIL WELL LOGGING, ELECTRIC

Defining oil-bearing reservoirs in carbonate sediments of the Lower and Middle Carboniferous of areas under exploration in Orenburg Province. B. Iu. Vendel'shtein, N. G. Kulikova, N. A. Skibitskaia. Trudy MINKhiGP no. 41:209-220 '63.

ORENBURG PROVINCE—OIL WELL LOGGING, RADIATION

Defining oil-bearing reservoirs in carbonate sediments of the Lower and Middle Carboniferous of areas under exploration in Orenburg Province. B. Iu. Vendel'shtein, N. G. Kulikova, N. A. Skibitskaia. Trudy MINKhiGP no. 41:209-220 '63.

ORES

Discussion of B. I. Novozhilov's article "Quality of ferrous metal ores and the profitableness of production." S. L. Shashurin and others. Gor. zhur. no. 9 5-9 S '63.

ORES—SAMPLING AND ESTIMATION

Automation of calculating operations in determining the reserves of mineral raw materials. V. A. Percts, Iu. S. Frolov. Razved. i okh. nedr. 29 no. 9 5-10 S '63.

Experimental work on choosing an efficient method of sampling. G. G. Pobedinskii. Razved. i okh. nedr. 29 no. 9, 50-52 S '63.

Methods of determining the content of minerals in placers. G. A. Sedova, A. A. Nikitin. TSvet. met. 36 no. 9:8-11 S '63.

Review of V. V. Pomerantsev's book "Estimation of ferrous and nonferrous metal ore deposits." N. V. Volodomonov, D. A. Zenkov, P. L. Kalilstov. Gor. zhur. no. 9 78-79 S '63.

Technological study and estimation of iron ore deposits in prospecting. G. P. Boldyrev. Razved. i okh. nedr. 29 no. 9 10-17 S '63.

ORGANIC COMPOUNDS

Afanas'ev, V. A. [Physical methods for studying the molecular structure of organic compounds] Fizicheskie metody issledovaniia stroeniia molekul organicheskikh soedinenii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 247 p.

Anikin, A. G., and G. M. Dugacheva. [Determination of the purity of organic substances] Opredelenie chistoty organicheskikh veshchestv. Otvetstvennye redaktory IA. I. Gerasimov, A. F. Plate. [Moskva] Izd-vo Mosk. univ. 1963. 147 p.

Determination of chlorine, arsenic, and phosphorus impurities in some organic materials by the activation method. V. R. Negina, V. N. Zamiatnina, A. A. Igorova. Radiokhimiia 5 no. 2:270-272 '63.

ORGANIC MATTER

Primary migration of hydrocarbons of the petroleum series. A. K. Kalimov. Geol. nefti i gaza 7 no. 8 11 Ag '63.

Quantitative estimation of the "carbonization hydrocarbons" of organic matter in rocks. A. K. Kalimov. Uzb. geol. zhur. 7 no. 4 10-17 '63.

ORGANIZATION OF AMERICAN STATES

Military expansion of the U. S. A. in the countries of Latin America. Mezhdunar. zhizn' 10 no. 10 138-139 O '63.

ORGANOTHERAPY

Use of tissue therapy in diseases of the female genitalia under conditions of a women's health center. G. P. Lisitsa, G. V. Barilo. Akush. i gin. no. 2 135-137 '63.

ORIENTAL INSCRIPTIONS see Inscriptions, Oriental

ORIENTAL LITERATURE—HISTORY AND CRITICISM

Only together! [with English summary in insert]. M. Kurgantsev. Az. i Afr. seg. no. 9:44-45 S '63.

ORIENTAL STUDIES

Brief news and bibliographical notes. V. K. Epig. Vost. no. 15:173-176 '63.

A conference of Soviet orientalists. Kh. Ataev. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 4:95-96 '63.

The most important task. Az. i Afr. seg. no. 9:2-3 S '63.

ORIENTAL STUDIES—BIBLIOGRAPHY see Bibliography—Oriental studies

ORPHANS AND ORPHANAGES

Word from a mother. N. G. Zaglada. Sem'ia i shkola 18 no. 8:1-3 Ag '63.

ORTHOGONAL FUNCTIONS see Functions, Orthogonal

ORTHOGONAL SURFACES see Surfaces, Orthogonal

ORTHOPEDIA

Late results of osteoplasties in pseudarthrosis and extensive bone defects of the leg in children. R. G. Fedotova. Ortop., travm. i protez. 24 no. 2:44-50 F '63.

ORTHOPEDIC APPARATUS

Apparatus for bone fragments of the humerus. A. N. Gerasimov. Ortop., travm. i protez. no. 1:76 '63.

Insertion appliances of polyethylene in foot defects. L. E. Rukhman, T. P. Raevskaia, V. L. Khapman. Ortop., travm. i protez. no. 1, 77-80 '63.

Pneumatic devices in a corset for the correction of lateral spinal curvatures, preliminary report. M. N. Polonskii. Ortop., travm. i protez. 24 no. 2:73-77 F '63.

OSCILLATIONS

Effect of a space charge on the frequency of free oscillations of particles in an isochronous cyclotron. A. A. Glazov and others. Atom. energ. 15 no. 3, 205-209 S '63.

Excitation of self-oscillations in a system with delayed feedback. Iu. M. Azi'an. Radiotekh. i elektron. 8 no. 10:1665-1670 O '63.

Theory of giant oscillations in ultrasound absorption [with summary in English]. S. V. Gantsevich, V. L. Gurevich. Zhur. eksper. i teor. fiz. 45 no. 3 587-591 S '63.

OSCILLATORS, CRYSTAL

Aging of high-Q AT-cut quartz resonators. M. Kh. Makushev, O. A. Khorzhevskii. Izm. tekh. no. 5 53-54 My '63.

OSCILLATORS, ELECTRIC

Nanosecond-range double-pulse generator. V. D. Samoilov, V. V. Sibilev. Nauch. tekh. sbor. Gos. kom. po ispol'zovaniiu atom. energii SSSR, no. 4 117-120 '62.

Skvortsov, N. P. [Electron-tube, ionic and mechanical high-frequency generators for electrothermy] Vysokochastotnye generatory dlia elektrotermii lampovye, ionnye, mashinnye. Red. V. P. Tsishevskii. Moskva, Mosk. energ. in-t, 1961. 118 p.

OSCILLATORS, ELECTRON-TUBE

Synchronization of an ultrahigh-frequency oscillator operating toward a transmission line containing reflecting inhomogeneities. Iu. M. Trifonov. Vest. Mosk. un. Ser. 3, Fiz., astron. 18 no. 3:26-31 My-Je '63.

OSCILLATORS, TRANSISTOR

Excitation regions and energy relationships in a two-stage transistor diode parametric oscillator. Iu. A. Kravtsov. Radiotekh. i elektron. 8 no. 10 1685-1691 O '63.

OSH PROVINCE—CAVES

Genesis of the Sart-Istagan cave. L. A. Chepizhnaia. Nov. issl. i spel. no. 3 73-75 '63.

OS'MAK, ILLARION TERENT'EVICH, 1914-1963

Illarion Terent'evich Os'mak; obituary. Vestn. sel'khoz. nauki 8 no. 9 124 S '63.

OSMOSIS

Discharge of substances from wheat leaves under increased dehydration as related to time [with summary in English]. P. S. Belikov, B. A. Gol. Izv. TSKHA no. 2 29-33 '63.

OSSETIA—CATTLE

Cattle raising among the Ossetes in the past, keeping and care. Z. D. Gagloeva. Mat. po etn. Gruz. no. 12/13 271-279 '63.

OSSETIA—DESCRIPTION AND TRAVEL

Flame of Ossetia; from the cycle "Pages of reminiscences." Nikolai Tikhonov. Znamia 33 no. 9 75-93 S '63.

OSSETIA—ETHNOLOGY

Vakhushti on Ossetia and Ossetes. A. Magometov. Mat. po etn. Gruz. no. 12/13, 291-299 '63.

OSSETIA—FIREPLACES

The hearth in Ossetic homes. L. A. Chibirov. Mat. po etn. Gruz. no. 12/13 349-359 '63.

OSSETIA, NORTH—TECHNOLOGICAL INNOVATIONS

Russia (1917- R. S. F. S. R.) Severo-Osetinskii ekonomicheskii administrativnyi raion. [Collection of innovations introduced into industrial production] Sbornik ratsionalizatorskikh predlozhenii, vnedrennykh v proizvodstvo. Ordzhonikidze, [Severo-Osetinskoe knizhnoe izd-vo, 1960. 50 p.

[MICROFILM]

OSTAPENKO, PETR MAKSIMOVICH

Birth of a record. IAmil' Mustafin. Sov. voin 45 no. 18: 15 S '63.

OSTEOMYELITIS

Development of cancer on old scars and following chronic osteomyelitis. A. G. Sadykov, B. V. Fershter. Ortop., travm. i protez. 24 no. 2, 54-57 F '63.

Two cases of regeneration of the epiphyses of the femur after osteomyelitis in children. V. I. Semenov. Ortop., travm. i protez. no. 1 71-73 '63.

OSTEOSCLEROSIS

Hip osteotomy in melorheostosis. M. B. Belaban, L. N. Yakunina. Ortop., travm. i protez. 24 no. 2:65-66 F '63.

OSTRACODA, FOSSIL see subdivision under Chulym-Yenisey Lowland

OTORHINOLARYNGOLOGY

Prospects and means of the development of otorhinolaryngological care for the population of the R. S. F. S. R. N. A. Bobrovskii, A. S. Tokman. Med. sestra 22 no. 8: 7-10 Ag '63.

State of the ear and the upper respiratory tracts in infectious hemorrhagic nephroso-nephritis. IA. L. IAroslavskii. Zhur. ush., nos. i gorl. bol. 23 no. 4: 66 Jl-Ag '63.

Work of the surgical nurse in the otorhinolaryngological department. A. P. Vysotskaia. Med. sestra 22 no. 8: 54-55 Ag '63.

OTOSCLEROSIS

Importance of some clinical and biometrical data in the [illegible] of the basic variants of the stapes in otosclerosis [with summary in English] V. A. Gubo[illegible]h, Zhur. ush., nos. i gorl. bol. 23 no. 4:6-14 Jl-Ag '63.

Morphological classification of the stapes in otosclerosis. A. A. Fursov, Zhur. ush., nos. i gorl. bol. 23 no. 4 [illegible] Jl-Ag '63.

Morphology of the osseous capsule of the labyrinth in [illegible] [with summary in English] V. K. Porotikova, M. A. L[illegible], Zhur. ush., nos. i gorl. bol. 23 no. 4:16-20 Jl-Ag '63.

Operative [illegible] of the stapes in otosclerosis [with summary in English] F. A. Evdo[illegible]h, Zhur. ush., nos. i gorl. bol. 23 no. 4 26-33 Jl-Ag '63.

Plastic [illegible] of the stapes in otosclerosis [with summary in English] I. A. [illegible]khan, Zhur. ush., nos. i gorl. bol. 23 no. 4 44-49 Jl-Ag '63.

Perforation of the ear in the external acoustic meatus and its diagnostic importance in otosclerosis. N. S. Ioffe, Zhur. ush., nos. i gorl. bol. 23 no. 4 87-89 Jl-Ag '63.

OUTER SPACE—EXPLORATION

Bolgarchenko, I. Sh. [To the depths of the universe] V glubiny Vselennoi. Kyiv, Radians'ka shkola', 1963. 147 p.

Papers on problems in Astronautics. L. Samsonenko, [illegible] 40 no. 2 65-66 S '63.

OVARIES

Comparative embryogenesis of the ovaries in some farm animals. Sh. I. Shkhatrishvili. Sbor. trud. Gruz. sel'khoz. in-ta, [illegible] inst. 32 59-76 '61.

OVARIES—SURGERY

Relation of the vascular system of the ovary to the partial excision of the organ. L. E. Eungen. Trud. Dush. med. inst. 57 no. 2 115-129 '62.

Surgical treatment of sterile cows. V. S. Reshetniak, S. I. Lebedev. Veterinariia 39 no. 11 59-60 N '62.

OVENS

Determining water vapor content of mixtures with diathermic gases. V. A. Potroshkov. Trud. LTIPSBP no. 11:159-164 '62.

OVERTIME

Brief interpretation. Sov. deput. trud. no. 6:102 Je '63.

OXADIAZOLE

Use of oxadiazole derivatives as scintillation activators in various solvents. L. M. Kutsyna and others. Opt. i spektr. 15 no. 3 438-440 S '63.

OXALATES

Complex formation of europium with an oxalate ion studied by the ion exchange method. A. S. Kereichuk, V. I. Paramonova. Radiokhimiia 5 no. 4 464-473 '63.

Complex oxalates of zirconium. G. S. Bochkarev, L. M. Zaitsev, V. N. Kozhenkova. Zhur. neorg. khim. 8 no. 10 2248-2253 O '63.

OXALIC ACID

Extraction of oxalic acid with trioctylamine. V. S. Smelov, A. V. Strakhova. Radiokhimiia 5 no. 4 509-511 '63.

OXIDATION

Destructive oxidation of α-nitronaphthalene under pressure. E. V. Kuznetsov, A. P. Bogdanov. Trudy KKHTI no. 30 89-91 '62.

Effect of iron minerals contained in ores on uranium oxidation in acid media. G. M. Alkhazashvili, G. M. Nesmelanova, L. N. Kuz'mina. Atom. energ. 15 no. 4: 313-317 O '63.

High-temperature flameless oxidation of hydrocarbons as a means of obtaining olefinic monomers. S. F. Vasil'ev, N. A. Lapides, A. M. Mosin. Khim. i tekh. topl. i masel 8 no. 2 10-14 F '63.

Hydrogen oxidation reaction in the atmosphere of an arc. V. V. Podgaetskii. Avtom. svar. 16 no. 9:7-12 S '63.

Influence of certain factors on froth-forming process during the oxidation of p-xylene. T. P. Burmistrova, [illegible]

OXIDATION-REDUCTION REACTION

Application of the method of oscillographic polarography with sinusoidal voltage to the study of the processes of oxidation and reduction of vanadium on a mercury dropping electrode. V. I. Gorokhovskaia. Trudy KKHTI no. 30 185-192 '62.

Silicon reduction in an acid steel smelting process. G. S. Ershov. Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 4:54-58 Jl-Ag '63.

Using the magnetic method to determine the reducibility of iron ores. N. I. Krasavtsev, B. V. Chekin, V. V. Chekin. Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 4: 35-38 Jl-Ag '63.

OXYGEN
(see also subdivision under Alma-Ata Province)

Role of oxygen in the metallurgy of nonferrous metals. A. M. Vartanian. IUn. tekh. 7 no. 8 52-54 Ag '63.

OXYGEN—ABSORPTION SPECTRA

Determining the electron transition moments of the Schumann-Runge bands for the oxygen molecule. Part 2. N. I. Krinjach, N. N. Sobolev, L. N. Yunitskii. Opt. i spektr. 15 no. 3 398-399 S '63.

OXYGEN—INDUSTRIAL APPLICATIONS

Accelerating the fuming of slags with the use of oxygen-enriched air. A. I. Okunev and others. TSvet. met. 36 no. 5 34-41 My '63.

All-Union conference on the use of oxygen in nonferrous metallurgy. IA. P. Shein. TSvet. met. 36 no. 5 85-90 My '63.

Garbuz, G. A. [Steel production in oxygen converters] Proizvodstvo stali v kislorodnykh konverterakh, tematicheskii obzor. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1963. 71 p.

Increasing the output of open-hearth furnaces now in service. IA. A. Shneerov. Stal' 23 no. 9 792-798 S '63.

Interaction between a jet of oxygen and liquid pig iron during its top blowing in a converter. E. M. Ogryzkin. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2, 17-21 Mr-Ap '63.

Investigating the oxygen-converter process for the converting of low-manganese pig iron. M. P. Kvitko, M. M. Shumov, S. G. Afanas'ev. Stal' 23 no. 6 501-506 Je '63.

Moscow. TSentral'nyi institut informatsii tsvetnoi metallurgii. [Oxygen is a powerful factor in the intensification of the processes for obtaining nonferrous metals] Kislorod – moshchnyi faktor intensifikatsii protsessov polucheniia tsvetnykh metallov. Moskva, 1963. 44 p. (Metallurgiia tiazhelykh tsvetnykh metallov i zolota)

Powerful intensifier. Sh. Balgozhin. Nar. khoz. Kazakh. 21 no. 7 24-27 Jl '63.

Trends in the automation of smelting in oxygen converters. D. I. Turkevich. Stal' 23 no. 6:510-515 Je '63.

Widely expand the use of oxygen in nonferrous metallurgy. TSvet. met. 36 no. 5 1-4 My '63.

OXYGEN—THERMAL PROPERTIES

Measurement of the heat capacity C_v of oxygen near the critical point. A. V. Voronel' and others. Zhur. eksp. i teor. fiz. 45 no. 3:828-830 S '63.

OXYGEN IN THE BODY

Determination of oxygen tension in the myocardium by polarography. M. I. Khodas and others. Pat. fiziol. i eksp. terap. 7 no. 2 73-76 Mr-Ap '63.

New data on the effect of adrenaline and noradrenaline on the supply of oxygen to the heart [with summary in English] M. E. Raiskina, Z. T. Samoilova, M. IA. Khodas. Pat. fiziol. i eksp. terap. 7 no. 2 19-26 Mr-Ap '63.

OXYGEN ISOTOPES

Nature of surface platinum oxides formed during the anode discharge of hydrogen peroxide. A. I. Brodskii, V. A. Lunenok-Burmakina. Dokl. AN SSSR 151 no. 6: 1358-1359 Ag '63.

OXYGEN WELDING AND CUTTING see Gas welding and cutting

OXYTROPIS see subdivision under White Russia

OZOCERITE see subdivision under Carpathian Mountain region

some meteorological processes. [illegible]znetsov. Trudy TSAO no. 45:

n the solar spectrum and the [illegible] by ozone at heights of 15-50 km. [illegible]ly TSAO no. 45 44-48 '62.

[illegible] of atmospheric ozone] Issledo[illegible]zona, Leningrad, Gidrometeoiz-

[illegible]ncentration of ozone in the tropo[illegible]y results of observation. A. S. [illegible] no. 45:32-37 '62.

[illegible]e formation of air masses in the [illegible]acific Ocean [with summary in [illegible]akaia, V. S. Samoilenko. Trudy [illegible] '62.

PACIFIC OCEAN—ATMOSPHERIC TRANSPARENCY

Transparency of air masses in the [illegible] latitudes in the western part of the Pacific [illegible] summary in English]. N. N. Samoilova. [illegible] okean. 57:200-211 '62.

PACIFIC OCEAN—CYCLONES

Cyclonic action in the northern part of the [illegible] [with summary in English]. V. V. [illegible] Inst. okean. 57:50-75 '62.

Regions of the generation and transformation [illegible] anticyclones in the northern part of the [illegible] [with summary in English]. V. D. [illegible] Inst. okean. 57:16-31 '62.

PACIFIC OCEAN—INVERTEBRATES

Kuznetsov, A. P. [Bottom invertebrates of the [illegible]ka waters of the Pacific Ocean and the [illegible] Islands] Fauna donnykh bespozvonochnykh. [illegible] skikh vod Tikhogo okeana i severnykh Kuril'skikh ostrovov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 268 p. [With summary in English]

PACIFIC OCEAN—MAGNETIC ANOMALIES

Nature of magnetic anomalies in the [illegible] from the Asiatic continent to the Pacific [illegible] Gainanov, O. N. Solov'ev. Dokl. AN SSSR [illegible] 1099-1101 Ag '63.

PACIFIC OCEAN—OCEANOGRAPHY

Definition of hydrologic structures and [illegible] the ocean [with summary in English]. V. [illegible] M. A. Radzikhovskaia. Trudy Inst. okean. [illegible] '63.

PACIFIC OCEAN—RADIATION

Total radiation of the ocean waters in Asiatic [illegible] parts of the Pacific and Atlantic Oceans [illegible] va, V. I. Shiftakhov. Trudy TSAO no. 45 [illegible]

PACIFIC OCEAN—TIDES

Use of the BESM-2 computer in determining the [illegible] tidal component for the Pacific water area [illegible] danov, V. A. Magarik. Dokl. AN SSSR 151 no. [illegible] 1318 Ag '63.

PACIFIC OCEAN—WINDS

Maps of the vorticity of tangential winds over the Pacific Ocean [with summary in English]. S. [illegible] Trudy Inst. okean. 57:133-155 '62.

PACKAGING—STANDARDS

Over-all standardization of the packaging [illegible] goods. L. D. Porkhomovskii. Standartizatsiia [illegible] 28-31 S '63.

PACKED TOWERS

Ammonium absorption from coke gas in a [illegible] apparatus. M. E. Porin, E. IA. Tarat, L. L. [illegible] Koks i khim. no. 9:38-40 '62.

Heat transfer and hydraulic resistance in [illegible] of regenerators. N. N. Elukhin, S. L. [illegible] mashinostr. no. 5:19-23 S-O '63.

PACKING (MECHANICAL ENGINEERING)

Overheating of radial packings of rotating [illegible] Vasilenko. Izv. vyn. ucheb. zav.; av. tekh. [illegible] 56 '63.

PAINT

Address to the workers of the chemical [illegible] Yaroslavl Province. Lakokras. mat. i ikh [illegible] 1 '63.

Increasing the sedimentation stability of enamels [illegible] containing barium and iron oxide pigments by the [illegible] addition of surface-active agents. M. V. [illegible] G. G. Novikova. Lakokras. mat. i ikh. prim. [illegible] '63.

Thixotropic GF-220 enamel paints and their [illegible] T. A. Pinchuk. Lakokras. mat. i ikh. prim. [illegible] '63.

Use of synthetic rubber as a film-forming [illegible] Gurevich, A. M. Frost. Lakokras. mat. i ikh. prim. no. 4:16-17 '63.

Various-purpose marking paints. M. I. [illegible] Lakokras. mat. i ikh. prim. no. 4:44-46 '63.

PAINT—ANALYSIS

Centrifugal method for the dispersion analysis of [illegible] and paint systems. M. A. Chupeev, S. V. [illegible] N. N. TSiurupa. Lakokras. mat. i ikh. prim. [illegible] '63.

PAINT—ELECTRIC PROPERTIES

Determining the dielectric permeability of paint [illegible] S. N. Serebrianikov, A. L. Shelekhina, M. I. [illegible] Lakokras. mat. i ikh. prim. no. 4:54-55 '63.

Electric properties of paint materials and the [illegible] conditions of their spraying in the electric field. [illegible] Vladychina, S. N. Serebrianikov, A. L. Shelekhina [illegible] Lakokras. mat. i ikh. prim. no. 4:32-36 '63.

PAINT—TESTING

Pneumatic combined stationary and portable device [illegible] determining the degree of chalking of paint [illegible] M. I. Kariakina, I. S. Goncharov. Lakokras. mat. i [illegible] prim. no. 4:60-62 '63.

PAINT MATERIALS—BIBLIOGRAPHY see Bibliography—Paint materials

PAINTING, DUTCH

Lifshitz, L. D. [Great paintings of the Netherlands, a sketch] Velikaia zhivopis' Niderlandov, ocherk. Moskva, Detgiz, 1963. 158 p. illus. (V mire prekrasnogo)

PAINTING, INDUSTRIAL

Answering queries on the application of paint materials. I. I. Denker. Lakokras. mat. i ikh. prim. no. 4:75 '63.

[Make friends with the rainbow] Druzhit' s radugoi. Tambov, Tambovskoe knizhnoe izd-vo, 1962. 16 p. (Bibliotechka novatora, no. 4)

Ventilation systems of booths for industrial painting by the jet flow coating method. A. G. Shapovaliants, N. A. Masliaev. Lakokras. mat. i ikh. prim. no. 4:66-68 '63.

PAINTING, INDUSTRIAL—EQUIPMENT AND SUPPLIES

Information on the improved methods for industrial painting of articles and on painting equipment, literary review. Z. B. Vetukhnovskii, G. N. Darazhio, V. I. Usha-kova. Lakokras. mat. i ikh. prim. no. 4:69-72 '63.

PAINTINGS, BURMESE—EXHIBITIONS see subdivision under Rangoon

PALACES see subdivision under Leningrad

PALEOBOTANY, STRATIGRAPHIC
(see also subdivision under Kuznetsk Basin)

[Fundamentals of paleontology; manual for paleontologists and geologists of the U.S.S.R. in 15 volumes] Osnovy paleontologii, spravochnik dlia paleontologov i geologov SSSR v piatnadtsati tomakh. Glav. redaktor Iu. A. Orlov. Moskva, Izd-vo Akad. nauk SSSR.
[Vol. 14] [Algae, bryophytes, psilophytales, lycopsids, arthrophytes, ferns] Vodorosli, mokhoobraznye, psilofitovye, plaunovidnye, chlenistostebel'nye, paporotniki. Pod red. V. A. Vakhrameeva, G. P. Radchenko, A. L. Takhtadzhana. 1963. 607 p.

PALEONTOLOGICAL SOCIETIES see subdivision under United States

PALEONTOLOGY
(see also subdivision under Odessa)

Fourth conference of young paleontologists. O. V. Amitrov. Paleot. zhur. no. 3:135-136 '63.

Two new textbooks of paleontology. L. L. Stepanov. Paleot. zhur. no. 3:128-131 '63.

PALEONTOLOGY—BIBLIOGRAPHY see Bibliography—Paleontology

PALEONTOLOGY, STRATIGRAPHIC see subdivision under Altai Mountain region, Altai Mountains; Isha Valley, Krasnoyarsk Territory; Minusinsk Basin; Syann Mountain region

PALLADIUM-RHENIUM ALLOYS

Properties of palladium-rhenium alloys. M. A. Tylkina, L. A. Tsygankova. Zhur. neorg. khim. 8 no. 10:2346-2350 O '63.

PALYGORSKITE see subdivision under Erivan region

PALYNOLOGY see subdivision under Gornaya Shoriya; Tunguska Basin

PAMIRS—DESCRIPTION AND TRAVEL

Agakhaniants, O. E. [Between Gindukush and Tien Shan; history of nature study of the Pamirs] Mezhdu Gindukushem i Tian'-Shanem, istoriia izucheniia prirody Pamira. Dushanbe, Tadzhikskoe izd-vo, 1962. 125 p. (MIU)

PAMIRS—GLACIERS

Causes for the movement of the Medvezhiy Glacier. P. S. Chichkalov. Meteor. i gidrol. no. 9:46-48 S '63.

PAMIRS—INSCRIPTIONS, ARABIC

Preliminary information on ancient tables from Mohammedan burial grounds in the western Pamirs. V. A. Krachkovskaia. Epig. Vost. no. 15:166-168 '63.

PAMIRS—PEGMATITES

Pegmatites in magnesite marble from the region of the Kugi-Lyal' precious spinel deposit in the southwestern Pamirs. L. N. Rossovskii. Trudy Min. muz. no. 14:166-181 '63.

PAMIRS—PLANTS—WATER REQUIREMENTS

"Water balance of plants and soils in the alpine deserts of the Pamirs" by V. M. Sveshnikova. Reviewed by T. P. Korovin. Bot. zhur. 48 no. 8:1227-1229 Ag '63

PAMIRS—RAPAKIVI

Origin of rapakivi in geosyncline areas (as exemplified by rapakivi of the Dzhamak intrusive in the Pamirs). V. I. Budanov. Dokl. AN SSSR 151 no. 6:1395-1398 Ag '63.

PAMIRS—SPINEL

Pegmatites in magnesite marble from the region of the Kugi-Lyal' precious spinel deposit in the southwestern Pamirs. L. N. Rossovskii. Trudy Min. muz. no. 14:166-181 '63.

PAN-AFRICAN CONFERENCE, ADDIS ABABA, 1963

Africa rallies to the attack [with English summary in insert]. V. Kudriavtsev. Az. i Afr. seg. no. 9:9-11 S '63.

Afro-Malagasy Union and Addis Ababa. V. S. Mezhdunar. zhizn' 10 no. 9:110-111 S '63.

PAN-AMERICAN CONFERENCE, 1963

After the Addis-Ababa Conference. A. Klimov. Mezhdunar. zhizn' 10 no. 10:139-141 O '63.

PANCREAS

Quality of the pancreas. F. Giller, A. Kravtsova. Mias. ind. SSSR 34 no. 4:56-58 '63.

PANCREAS—AGING

Changes in the pancreas in elderly persons. B. A. Klemod. Trudy Dush. med. inst. 57 no. 2,79-99 '62.

PANCREAS—CANCER

Identifying cancer of the head of the pancreas by means of duodenography [with summary in English]. I. A. Shekhter, N. A. Rabukhina. Vrach. delo no. 9:8-11 S '63.

PANCREAS—DISEASES

Complications in acute pancreatitis [with summary in English]. Iv. Polivanov, G. Dimov, N. Kovacheva. Vest. khir. 90 no. 3:71-77 Mr '63.

So-called hepatocholecystic pancreatitis. N. IA. Mel'man, V. G. Kaplun. Vrach. delo no. 7:140 Jl '63.

PANCREAS—SECRETIONS

Extrasecretory function of the pancreas in endemic goiter [with summary in English]. N. I. Gerasimenko. Vrach. delo no. 9:63-67 S '63.

PANELING—FINISHING

Industrialization of panel finishing. V. A. Khmelevskii. Mekh. stroi. 20 no. 10,1-4 O '63.

PANKRUSHIKHA DISTRICT—SWINE—DISEASES AND PESTS

Infectious atrophic rhinitis in swine. Iu. V. Kononov. Veterinariia 39 no. 11:47 N '62.

PANTOMIME

Slavskii, R. E. [Art of the pantomime] Iskusstvo pantomimy. Moskva, Iskusstvo, 1962. 132 p. (Repertuar khudozhestvennoi samodeiatel'nosti, no. 30) (MIU)

PAPERMAKING MACHINERY—ABSTRACTS

[Technology and equipment of the papermaking and printing industry] Ref. zhur.: Tekh. i obor. bumagodel. i poligr. proizv. no. 20 O '63.

PAPPATACI FEVER

Biological characteristics of a vaccine strain of the pappataci fever virus passaged through the organism of a sand fly. E. V. Finogenova. Trudy TashNIIVS 5:28-36 '62.

Infection of sand flies by the pappataci fever virus in an experiment. E. V. Finogenova. Trudy TashNIIVS 5:20-27 '62.

PAPER PRODUCTS

New types of suede, velour and velvet materials manufactured with a paper base. F. B. Klupt, G. P. Grigor'ev, R. Iu. Dobroborskaia. Trudy LTITSBP no. 11:141-151 '62.

PAPERMAKING MACHINERY—TESTING

Changes in the strength of the metal screens of papermaking machines occurring during their operation. Iu. N. Maslov. Trudy LTITSBP no. 11:49-53 '62.

Experimental study of the thermal conditions in the operation of the heating cylinders of papermaking machines. V. I. Saunin. Trudy LTITSBP no. 11:43-48 '62.

Investigating the performance of press felts. N. E. Novikov. Trudy LTITSBP no. 11:212-217 '62.

PARABIOSIS

Role of humoral factors in changes in the central nervous system during experimental radiation injury [with summary in English]. P. D. Gorizontov, E. N. Shcherbova. Pat. fiziol. i eksp. terap. 7 no. 1:14-19 Ja-F '63.

PARACHUTE TROOPS

Jump training from high-speed airplanes. V. Shcherbakov.

PARACHUTING

Beyond the limit of fear. I. Chekhov. Starsh.-serzh. no. 5:8 My '63.

PARAFFINS

Adsorption-cryoscopic method for determining the content of normal paraffinic hydrocarbons in gasolines and kerosines. T. T. Adylova, N. D. Riabova. Uzb. khim. zhur. 7 no. 4:68-73 '63.

Demixing in the system HCl - H_2O - tri-n-butyl phosphate - diluent. E. M. Indikov and others. Zhur. neorg. khim. 8 no. 9:2187-2189 S '63.

Hydrophobization of particle boards by dry atomization of paraffin. A. A. El'bert. Der. prom. 12 no. 10:3-5 O '63.

Paraffin troubles and the efficiency of paraffin bits. N. S. Korablinov, B. M. Suchkov, V. P. Tronov. Neftepromdelo no. 6:15-19 '63.

Plasticization of rubber compounds with nitroparaffins and their derivatives. L. M. Kozlov and others. Trudy KKHTI no. 30:101-108 '62.

Structure of a complex formed by the interaction of diesel fuel and carbamide aqueous solution. Z. V. Basyrova, B. V. Klimenok. Izv. vys. ucheb. zav., neft' i gaz 4 no. 3:61-66 '61.

PARAFFINS—SPECTRA

Analysis of the vibrational spectra of polynitroalkanes. E. M. Popov, V. A. Shlispochnikov. Opt. i spektr. 15 no. 3:325-331 S '63.

PARALYSIS

Paresis of the phrenic nerve in nursing infants as a result of a birth injury. M. G. Deshchekina, N. N. Il'iash. Pediatriia 42 no. 1:79-81 Ja '63.

Prevention and treatment of postoperative intestinal paresis. V. G. Vaĭtur, Iu. F. Chichkov, E. M. Shepukhina. Vest. khir. 90 no. 3:112-116 Mr '63.

PARAMAGNETIC RESONANCE AND RELAXATION

Dnepropetrovsk, Inzhenerno-stroitel'nyi institut. [Papers published by the Physics Department] Sbornik nauchnykh trudov kafedry fiziki. Dnepropetrovsk, No. 7, 1960. 48 p.

Microwave analogs of the Farady, Cotton-Mouton, and Kerr effects in semiconductors. A. B. Roitsin. Fiz. tver. tela 5 no. 9:2395-2401 S '63.

Microwave and paramagnetic resonance spectra of octahedral complexes of transition metals of the d^1 configuration taking inversion splitting into account. I. B. Bersuker, B. G. Vekhter. Fiz. tver. tela 5 no. 9:2432-2440 S '63.

PARAMETRIC AMPLIFIERS

Analysis of the operation of a single-stage amplifier-converter with nonlinear capacitance. V. N. Detinko, A. S. Petrov. Radiotekh. i elektron. 8 no. 10:1692-1697 O '63.

Limited bandpass characteristics of a nondegenerate parametric amplifier. B. A. Rozanov. Radiotekhnika 18 no. 7:49-55 Jl '63.

PARAMUSHIR ISLAND—LIVERWORTS

Ptilidium californicum (Aust.) Underw. et Cook in the flora of liverworts of the U.S.S.R. L. S. Korotkevich. Bot. mat. Otd. spor. rast. 16:173-178 '63.

PARASITES—CARP see subdivision under Amur River

PARASITES—CATTLE

Chlorophos in cattle thelaziasis. V. P. Meshchaninov, I. IA. Entin. Veterinariia 39 no. 9:27-28 S '62.

Prophylaxis of thelaziasis. N. M. Gorodovich. Veterinariia 39 no. 9:26-27 S '62.

PARASITES—DOGS

Clinical and morphological characteristics of experimental strongyloidiasis [with summary in English]. A. I. Ishmukhametov. Med. paraz. i paraz. bol. 32 no. 1:108-113 Ja-F '63.

PARASITES—DUCKS
(see also subdivision under Omsk Province)

Role of wild birds in the infestation of domestic ducks by helminths. G. A. Kotel'nikov. Veterinariia 39 no. 9:38-40 S '62.

PARASITES—POULTRY

Study of the developmental cycle of the cestode Raillietina (Skrjabinia) fedjushini Skutar, 1963, a parasite of poultry. L. G. Skutar'. Dokl. AN SSSR 151 no. 6:1474-1475 Ag '63.

PARASITES—SALMON see subdivision under Amur River

PARASITES—SHEEP see subdivision under West Kazakhstan Province; Zimovniki District

PARASITES—SHRIKES see subdivision under Amur Valley

PARASITES—SUSLIKS see subdivision under Kharabali District

PARASITES—SWINE

Effect of dairy products on the intestinal helminths in swine. A. I. Chubis, IA. S. Kamyshanskii. Vest. sel'khoz. nauki (Kazakh.) 6 no. 8:59-64 Ag '63.

Effectiveness of piperazine salts in group dehelminthization of swine. O. J. Plaan. Veterinariia 39 no. 9:34-36 S '62.

Treatment of trichocephaliasis. I. V. Shevtsov. Veterinariia 39 no. 9:36 S '62.

PARASITES—UNGULATA see subdivision under Kazakhstan

PARASITES—VERTEBRATES

Destruction of the erythrocytes of vertebrates in the digestive tract of bloodsucking arthropods. Iu. S. Balashov. Dokl. AN SSSR 151 no. 6:1470-1473 Ag '63.

PARASITES—WATER BEETLES

Tiny enemies of big robbers. M. Kozlov, E. Minburg. Nauka i zhizn' 30 no. 9 86-88 S '63.

PARASITOLOGY

Pavlovskii, E. N. [Papers on experimental parasitology] Raboty po eksperimental'noi parazitologii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 273 p. [With summaries in German and English]

PARASITOLOGY—BIBLIOGRAPHY see Bibliography—Parasitology

PARATYPHOID FEVER

(see also subdivision under Georgia, Kharkov Province)

Epizootiologic role of Salmonella carriers in the paratyphoid fever of animals. L. S. Zagaevskii. Veterinariia 39 no. 9 15-20 S '62.

Rapid diagnosis of typhoid-paratyphoid diseases. S. P. Narova, V. G. Bochorishvili. Zhur. mikrobiol., epid. i immun. 40 no. 1 61-65 '63.

PARENT AND CHILD

Editor's mail. Sem'ia i shkola 18 no. 9 25-29 S '63.

How I learned poetry. N. Timofeeva. Doshk. vosp. 36 no. 8 77 Ag '63.

Notes of a wife and mother... (to be continued)... Anna Gorodinskaia. Sem'ia i shkola 18 no. 5 13-15 M. '63.

Now we are friends. L. Azovskaia. Doshk. vosp. 36 no. 7 90-91 Jl '63.

The older and the younger ones. N. Skvortsov. Sem'ia i shkola 18 no. 8 4 Ag '63.

Parents are the primary defendants. B. Riabinin. Sem'ia i shkola 18 no. 8 25-27 Ag '63.

Pedagogical sifilis. R. Finkel'shtein. Doshk. vosp. 36 no. 7 82-85 Jl '63.

Self-education of an adolescent and parents. L. Ruvinskii. Sem'ia i shkola 18 no. 5 11-12 My '63.

There was an interesting conversation. Sem'ia i shkola 18 no. 8 5 Ag '63.

Work goes to school. Mikhail Raskatov. Sem'ia i shkola 18 no. 9 30-32 S '63.

We continue our discussion. I. Shinkarenko and others. Doshk. vosp. 36 no. 9 47-71 S '63.

Zhavoronko, A. I. [Family and the education of children] Sim'ia i vykhovannia ditei. Kyiv, Derzhpolitvydav URSR, 1963. 30 p. (Moral'nyi kodeks budivnyka komunizmu)

PARIS—COMMUNE, 1871

Galkin, I. S. [The First International. The Paris Commune] Pervyi Internatsional. Parizhskaia komunna. Moskva, Gospolitizdat, 1963. 70 p. (V pomoshch' izuchaiushchim mezhdunarodnoe kommunisticheskoe i rabochee dvizhenie)
(CSt-H)

PARIS—POLITICS AND GOVERNMENT

Mayor of Gennevilliers. S. Zykov. Sov. deput. trud. no. 9:102-106 S '63.

PARODIES, UKRAINIAN

Nud'ha, H. A. [Ukrainian parodies] Ukrains'ki parodii. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 415 p.
(InU)

PAROLE

Grounds for starting an examination of the problem whether a prisoner should be released on parole, and control over the behavior of the parolees. V. Klochkov. Sots. zakon. 30 no. 8 21-25 Ag '63.

Placement in the custody of the Soviet public as a means of crime prevention and the rehabilitation of criminals. M. Iu. Reginskii. Sov. gos. i pravo no. 10 76-81 O '59.

We should eliminate shortcomings in release on parole. V. Baskov. Sov. iust. no. 15 3-5 Ag '63.

PAROTID GLANDS—SURGERY

Method of plastic surgery in large parotid defects following trepanation of the mastoid process. O. V. Minskii, M. N. Nugmanov. Zhur. ush., nos. i gorl. bol. 23 no. 4:89-91 Jl-Ag '63.

PART-TIME FARMING

In the Ministry of Education of the R. S. F. S. R. Shkolaint no. 4 76-77 Jl-Ag '63.

PARTHIA—ANTIQUITIES

Mysteries of Parthian archives. V. Brusianin. Znan. ta pratsia no. 3, 10-11 Mr '63.

PARTIAL DIFFERENTIAL EQUATIONS see Differential equations, Partial

PARTICLE ACCELERATORS

International conference on cyclotrons with a sectioned magnet system and meson accelerators. P. Lapostol. Atom. energ. 15 no. 4:343-345 O '63.

PARTICLE BOARD
(see also subdivision under Sweden)

Hydrophobization of particle boards by dry atomization of paraffin. A. A. El'bert. Der. prom. 12 no. 10:3-5 O '63.

Labkovskii, S. S. [Finishing particle boards with polyvinyl chloride films] Otdelka struzhechnykh plit polivinilkhloridnymi plenkami. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963. 55 p. (Derevoobrabotka)
[MICROFILM]

Nomograms for determining the resin content in wood particle and glue mixtures. S. B. Godzdanker. Der. prom. 12 no. 4:26-27 Ap '63.

Wood particle boards of increased strength in the direction of chip orientation. G. V. Klar, M. I. Sosnin. Trudy inst. lesa i drev. 65:91-94 '63.

PARTICLE BOARD—BIBLIOGRAPHY see Bibliography—Particle board

PARTICLE BOARD—STANDARDS

A new standard for wood particle boards. G. M. Shvartsman, Z. V. Zavialova. Der. prom. 12 no. 10:1-2 O '63.

PARTICLE SIZE DETERMINATION

Centrifugal method for the dispersion analysis of pigments and paint systems. M. A. Chupeev, S. V. IAkubovich, N. N. TSiurupa. Lakokras. mat. i ikh. prim. no. 4:47-50 '63.

Investigating the classification of ground grog in an air flow. K. N. Shishkin, N. G. Pokhmurin. Ogneupory 28 no. 9:418-422 '63.

X-ray properties of finely dispersed hydraulic mixtures of some ores. A. P. Korshunov. Nauch. soob. IGD 20: 129-136 '63.

PARTICLES (NUCLEAR PHYSICS)

Akademiia nauk SSSR. Nauchnyi Sovet po filosovskim voprosam estestvoznaniia. [Philosophical problems of the physics of elementary particles] Filosofskie problemy fiziki elementarnykh chastits. Moskva, Izd-vo Akad. nauk SSSR, 1963. 381 p.

Calculation of the matrix elements of scalar particles. A. A. Bogush. Dokl. AN BSSR 7 no. 8:520-523 Ag '63.

Motion of single charged particles in undulating magnetic fields. V. M. Balebanov and others. Atom. energ. 15 no. 4:318-319 O '63.

Nonlinear stationary fluctuations of the potential of ion-electron currents emitted by a plane. V. M. Smirnov. Radiotekh. i elektron. 8 no. 10:1729-1742 O '63.

Philosophy and physics of elementary particles. M. E. Omel'ianovskii. Kul't. i zhizn' 7 no. 8 28-30 '63.

Regge poles in the nonrelativistic problem assuming nonlocal and singular interaction [with summary in English]. V. G. Vaks, A. I. Larkin. Zhur. eksp. i teor. fiz. 45 no. 3:800-809 S '63.

Vsesoiuznaia mezhvuzovskaia konferentsiia po teorii kvantovykh polei i elementarnykh chastits. 2d, Uzhgorod, 1960. [Program of and abstracts of papers read at the All-Union Interuniversity Conference on Quantum Field Theory and Elementary Particles] Programma i tezisy dokladov. Uzhgorod, Uzhgorodskii gos. univ., [1960] 70 p.

Vsesoiuznaia mezhvuzovskaia konferentsiia po teorii kvantovannykh polei i elementarnykh chastits. 3d, Uzhgorod, 1961. [Program of and abstracts of papers read at the All-Union Interuniversity Conference on Quantum Field Theory and Elementary Particles] Programma i tezisy dokladov. Posviashchaetsia 22 s"ezdu KPSS. Uzhgorod, Uzhgorodskii gos. univ., [1961] 117 p.

PASCAL, BLAISE, 1623-1662

Blaise Pascal's studies on infinitesimal analysis, on the third centennial of his death. IE. IA. Bukhmuts'ka. Ist.-mat. zbir. 3,7-27 '62.

Comments on B. Pascal's "Essay on conic sections" and G. W. Leibniz's letter to Perier by G. I. Ignatsius. Ist.-mat. issl. no. 14:611-622 '61.

"Essay on conic sections" by Blaise Pascal [translated from the French]. Ist.-mat. issl. no. 14:603-610 '61.

PASENIUK, LEONID MIKHAILOVICH, 1926-

Exotics and work. Z. Krakhmal'nikova. Smena 40 no. 15:16-17 Ag '63.

PASHIYA—BANKS AND BANKING

Supply branches with practical payment and receiving plans. M. Melkozernova. Den. i kred. 21 no. 9:58-59 S '63.

PASSPORTS (INTERNAL)

What is hidden behind the "loss" of a passport? A. Pashkevich. Sov. deput. trud. no. 9:69-70 S '63.

PASTE

Device for the production of paste. Z. A. Safronov. Mekh. stroi. 20 no. 10:17 O '63.

PASTEURELLA

Relations of the plague microbe to lactose [with summary in English]. R. S. Mikhailova, IU. A. Filimonova, K. T. Manokhina. Zhur. mikrobiol., epid. i immun. 40 no. 1: 123-127 '63.

Use of methylene blue reduction for the determination of in vitro virulence of the pathogen of plague. E. I. Korobkova, I. V. Liskina. Zhur. mikrobiol., epid. i immun. 40 no. 1:73-79 '63.

PASTURES AND MEADOWS see subdivision under Dedinovo region; Kel' Badzhai District

PATENT LAWS AND LEGISLATION

Gal'perin, G. I. [Fundamentals of the patent copyright law of the U. S. S. R.] Osnovy izobretatel'skogo i avtorskogo prava SSSR, uchebnoe posobie po kursu "Sovetskoe pravo." Moskva, Znachnyi finansovo-ekon. in-t, 1960. 28 p.
[MICROFILM]

Technological progress and patent law. IU. Meliuk. Rad. pravo no. 3:81-87 My-Je '63.

PATENTS

Bakhtamov, R. B., and B. T. Korchagin. [Your rights, inventor] Tvoi prava, izobretatel'. Tambov, Tambovskoe knizhnoe izd-vo, 1962. 15 p. (Bibliotechka novatora, no. 10)

[Bulletin on inventions and trademarks] Biul. izobr. i tov. znak. 40 nos. 1, 11-15 Ja, Je-Ag '63.

Lobotskaia, E. S. [Treasures of the "Black sphere"] Sokrovishcha "Chernogo shara." Tambov, Tambovskoe knizhnoe izd-vo, 1962. 11 p. (Bibliotechka na zhare, no. 7)

PATENTS—BIBLIOGRAPHY see Bibliography—Patents

PATENTS (INTERNATIONAL LAW)

Vsesoiuznaia torgovaia palata. Patentnyi otdel. Spravochnik o poriadke patentovaniia inostrannykh izobretenii i registratsii inostrannykh tovarnykh znakov v SSSR. General information on the procedure of patenting foreign inventions and of registering foreign trade marks in the USSR. Moskva, 1960. 8 p. [Text in Russian and English]

PATHOLOGY—ABSTRACTS

[General problems of pathology. Oncology] Ref. zhur. Ob. vop. pat. Onk. nos. 20-21 O-N '63.

PATORZHYNS'KYI, IVAN SERHIIOVYCH, 1900-

Kyrychenko, T. O. Ivan Serhiiovych Patorzhyns'kyi. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1958. 14 p.
(IU)

PATRIOTISM

Borzenko, S. A. [Everybody is a sentry of our country, a message to the young] Kazhdyi - chasovoi Rodiny, slovo k molodym. Moskva, Izd-vo "Znanie," 1963. 38 p. (Novoe v zhizni, nauke, tekhnike. X Serii: Molodezhnaia, no. 10)

Concept of the "motherland" in the interpretation of East German historian. A. S. Gronsman. Vop. ist. no. 9:174-176 S '63.

Most important tasks of the defense society. Vest. DOSAAF no. 9:1-2 S '63.

PATTERNMAKING

Group method of wax patternmaking. BI. N. Filin, V. Lit. proizv. no. 8:33-36 Ag '63.

PAVEMENTS, ASPHALT

Improving the quality of highway asphalts obtained from deasphaltization products. R. S. Akhmetova and others. Khim. i tekh. topl. i masel 8 no. 2:20-23 F '63.

PAVEMENTS, BITUMINOUS

Formation of black pavements. A. V. Bernshtein, A. V. Avt. dor. 26 no. 9:31 S '63.

PAVEMENTS, BITUMINOUS CONCRETE

Economically efficient rough surface. I. M. Borovskii. Avt. dor. 26 no. 9:9 S '63.

PAVLOV, TIMOFEI PAVLOVICH, 1860-1932

"T. P. Pavlov (1860-1932) and his school" by S. F. Gorbatovskii, N. A. Torsuev, N. S. Smelov. Vest. derm. i ven. 37 no. 1:87-88 Ja '63.

PAVLOVO (GORKIY PROVINCE)—COMMUNITY AND SCHOOL

For the good of the children.... A. Davydov. Sem'ia i shkola 18 no. 5:34-35 My '63.

PAVLOVO (GORKIY PROVINCE)—OFFENSES AGAINST SOCIALIST PROPERTY

Let us ensure the protection of communal property. A. Fedtskov. Sov. deput. trud. no. 9:21-26 S '63.

PAYMENT see subdivision under Leitchev District

PEACE

Christian peace theses. Brat. vest. no. 3:4-5 '63.

Communiqué. Brat. vest. no. 3:6-8 '63.

Duty of a Christian. K. S. Brat. vest. no. 3:11-13 '63.

For the sake of life on earth. M. Kurgantaev. Az. i Afr. seg. no. 10:4-7 O '63.

The only fruitful policy [with English summary in insert]. Aoa Keita. Az. i Afr. seg. no. 10:30-31 O '63.

Progressive scholars are struggling for peace. B. L. Budkevich. Vop. ist. 38 no. 8:177-178 S '63.

We want to participate in the promotion of a lasting peace. Vsem. prof. dvizh. no. 9:20 S '63.

PEACE—PERIODICALS
"...nal Christian Peace Conference" R. K Brat. vest ... 3 ...-11 '63

PEACE TREATIES see subdivision under Germany

PEACH see subdivision under Dnepropetrovsk

PEAS
Change of the biological characters of forage peas during their transformation from spring type into a winter variety. N. P. IUshenkova. Vest. sel'khoz. nauki 8 no. 3:120-122 Mr '63.
Controlled transformation of poorly wintering durum wheat, peas, and distichous barley into winter-hardy varieties V. F. Khitrinskii. Vest sel'khoz. nauki 8 no. 3 31-34 Mr '63.
Bertsev, P. V. [Seeding rates for grain crops and peas] Normy vyseva zernovykh kul'tur i gorokha [Leningrad] Lenizdat, 1963. 53 p (DNAL)
Hrushko, M. F. [Garden peas and kidney bean] Ovochevi horokhi kvasolia. Kyiv, Derzhsil'hospvydav URSR, 1963. 64 p. (DNAL)
Transforming spring-type forage peas into a winter variety M. P. Elsukov. Vest sel'khoz. nauki 8 no. 3: 115-116 Mr '63.

PEAS—HARVESTING
Performance of reapers and combines in pea harvesting. V. Surin. Tekh. v sel'khoz. 23 no. 2:7-10 F '63.

PEAS—VARIETIES see subdivision under Krasnodar Territory

PEAS AS FEED
Drozdov, I. P. [Growing peas for cattle feeding] Vyrashchivanie gorokha na kormovye tseli. [Leningrad] Lenizdat, 1963 39 p (DNAL)

PEASANT UPRISINGS
Okun', S. B., and K. V. Sivkov, eds. [The Russian peasant movement in 1857-May 1861; documents] Krestianskoe dvizhenie v Rossii v 1857-mae 1861 gg, sbornik dokumentov Moskva, Izd-va sotsial'no-ekonom. lit-ry, 1963 882 p (Krestianskoe dvizhenie v Rossii v XIX-nachale XX veka)

PEASANTRY see subdivision under Ukraine

PEAT
Manufacture of peat-mineral--ammonia fertilizers. F. S. Zinzin. Torf. prom. 40 no. 4:16-20 '63.
Methods for the activation of peat nitrogen. B. F. Sergeev. Torf. prom. 40 no. 4:20-21 '63.
Peat compression under vacuum. O. A. Tsoplinev. Torf. prom. 40 no. 6:15-16 '63.
Preparing peat crumbs for composting. N. Matiutė, V. Valnev. Tekh. v sel'khoz. 23 no. 2:16-18 F '63.
Some data on the characteristics of peat wax properties. IU. K. Lapushonok, N. A. Braksh. Torf. prom. 10 no. 6:30-31 '63.
Use of peat in the manufacture of wood-particle boards. B. P. Volkov, M. M. Maizenberg. Torf. prom. 40 no. 6:26-30 '63.

PEAT—DRYING
Mechanized furnace of the "B. Pikinskii" Peat Briquet Plant. G. M. Izvekov, P. T. Blakov. Torf. prom. 40 no. 4:25-27 '63.

PEAT—TRANSPORTATION
Potentials for reducing train resistance to motion in peat transportation. O. S. Skvortsov. Torf. prom. 40 no. 6:13-14 '63.
Transportation of peat fertilizers and litter. V. V. Fedorov, I. P. Bombin. Trof. prom. 40 no. 6:5-9 '63.

PEAT BOGS
Principles of the surveying work in a detailed prospecting of peat deposits with a small surface area. N. I. Medvedev. Torf. prom. 40 no. 4:12-13 '63.

PEAT INDUSTRY
Expand the promotion of advanced practices. V. I. Litvenityn. Torf. prom. 40 no. 6:9-12 '63.
Forty-five years ago V. I. Lenin signed the decree on the organization of the peat industry of the U. S. S. R. N. I. Frolenov. Torf. prom. 40 no. 6:35-37 '63.
In the Fuel Section of the Technical and Economic Council of the Moscow Economic Council. V. V. Beresnevich. Torf. prom. 10 no. 4:30 '63.
On the occasion of the fiftieth anniversary of the Klasson Peat Plant. A. M. Panin. Torf. prom. 10 no. 6:31-33 '63.
Some problems in the development of peat briquet production. B. N. Bragin, V. I. Vasil'ev, A. I. Rozhnov. Torf. prom. 10 no. 4:30-31 '63.
Tasks of the railroad transportation of the peat industry of the R. S. F. S. R. during the period from 1963 to 1964. Torf. prom. 40 no. 6:1-5 '63.
Urgent problems in peat briquet manufacture. G. B. Freishteter. Torf. prom. 40 no. 4:28-29 '63.

PEAT INDUSTRY—BIBLIOGRAPHY see Bibliography—Peat industry

PEAT INDUSTRY—ELECTRIC EQUIPMENT
Results of the automatic recording of milled peat production during 1962. V. V. Taraskin. Torf. prom. 40 no. 4:32-33 '63.

PEAT INDUSTRY—EQUIPMENT AND SUPPLIES see subdivision under Grodno Province; Ivanovo Province

PEAT INDUSTRY—RESEARCH
Consolidate the research work on peat briquetting. I. S. Galynker. Torf. prom. 40 no. 4:29-30 '63.
Expand the research work on peat briquetting and coking. L. A. Lavle. Torf. prom. 40 no. 4:30 '63.
Scientific and Technical Conference on Peat. N. S. Kontsevoi. Torf. prom. 40 no. 4:35-36 '63.

PEAT MACHINERY
Comparative analysis of a ring and roller press for mechanical dehydration of wet peat M. G. Bulynko, I. I. Mogilevskii. Izv. vys. ucheb zav. gor zhur 6 no. 3:81-89 '63.
Concerning the article "Determining the operative capacity of the roller press" by Engineer N. F. Gorin. L. I. Mogilevskii. Torf. prom. 40 no. 6:18-19 '63.
Motion of raw peat in a screw press. A. P. Liatsko Vestsi AN BSSR Ser. fiz.-tekh. nav. no. 3 101-104 '63
New machine for the loading of stumps from the shaft. F. N. Lempert, N. A. Safonov. Torf. prom. 40 no. 4: 13-16 '63.
Our experience in the operation of the BPF-2 pneumatic combine. Torf. prom. 40 no. 4:5-12 '63.
Redesigning of the wide-grip agitator. V. I. Chaikov. Torf. prom. 40 no. 4:33 '63.
Regulation of winding operations and of the moisture of milled peat in pneumatic harvesting. N. D. Chubarov. Torf. prom. 10 no. 4:1-5 '63.
The TPP-6 peat-pressing machine. N. I Polunin Biul tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:56-57 '63.
Triple SBSh-3 drum cutter. K. A. Nikitin, P. V. Bogomolov. Torf. prom. 10 no. 4:33-34 '63.

PEAT SOILS
Resistance of peat soils to forcing in stamps. F. P. Vinakurau, A. E. TSiatserkin. Vestsi AN BSSR Ser. fiz.-tekh. nav. no. 3:105-112 '63.

PECHENGA DISTRICT—HYPERITE
Disasters of the northwestern part of the Kola Peninsula (Pechenga District). V. G. Zagorodnyi Vop. geol. i min Kol'. polnos. no. 4 41-48 '63

PECHORA BASIN—COAL—ANALYSIS
Investigating coals from the "Moshchnyi" seam of the Vorgashor Deposit in the Pechora Basin. M. S. Elekhov, G. F. Nevstruev. Koks i khim. no. 9:7-10 '62.

PECHORA BASIN—COAL GEOLOGY
Representativeness of drilling and logging operations in determining the thickness and structure of coal seams in the Inta deposit. IU. V. Stepanov. Trudy MGRI 39.169-174 '63.

PECHORA BASIN—MINING ENGINEERING—LABOR PRODUCTIVITY
Record drifting rate for the Pechora Basin. V. N. Kolomiets. Shakht. stroi. 7 no. 10-23-24 O '63.

PECHORA BASIN—SHAFT SINKING
Making the unloading chamber in sinking a skip shaft at "Kapital'naya" No. 10 Mine. IU. IU. Rybakov. Shakht. stroi. 7 no. 7-21-23 Jl '63.

PECHORA VALLEY—NATIONAL PARKS AND RESERVES
[Reservation in Pechora; popular science sketch] Zapovednik na Pechore; nauchno-populiarnyi ocherk [By] F. G. Bogan i dr. Syktyvkar, Komi knizhnoe izd-vo, 1963. 114 p.

PEDDLERS AND PEDDLING see subdivision under Chapayevskiy District; Saki District; Semipalatinsk Province

PEDIATRICS
(see also subdivision under Kuybyshev Province)
Book reviews. V. M. Afanas'eva and others. Pediatriia 42 no. 1:88-93 Ja '63.
Current problems in pediatrics. M. IA. Studenikin, L. K Skorniakova. Pediatriia 42 no. 1:3-7 Ja '63.
Result of organizing children's "hospitals in the home." V. V. Kotenko. Zdrav. Ros. Feder. 7 no. 9:14-16 S '63.
Vail', V. S. [Essays on the history of Russian pediatrics of the second half of the 19th century] Ocherki po istorii russkoi pediatrii vtoroi poloviny XIX veka. Stalinabad, 1959. 118 p. (Dushanbe, Gosudarstvennyi meditsinskii institut. Trudy, vol. 42) (DNLM)

PEDIATRICS—CONGRESSES
Tenth International Congress of Pediatricians. I. V. Kazanskii. Pediatriia 42 no. 1:94-95 Ja '63.

PEDIATRICS—STUDY AND TEACHING see subdivision under Tomsk

PEGMATITES see subdivision under Dnieper Valley, Inaglinskiy Massif, Kadzharan region; Megri District, Siberia; Tien Shan

PELVIC PLEXUS
Effect of pathological processes on the development of the neural elements of the pelvic plexus in man. E. N. Chaika. Vop. morf. perif. nerv. sist no. 6:192-202 '63.

PELVIS—FRACTURE
Classification and treatment of fractures of the pelvic bones I G Gertsen, V D Chabanenko Ortop., travm i protez no 1 70-71 '63
Symptom of pelvic compression in children and juveniles in an automobile accident trauma. V. S. Semennikov Sud.-med. ekspert. 6 no. 3:22-24 Jl-S '63

PEMPHIGUS
"Pemphigus" by N. D. Sheklakov. A. A. Studnitsin. Vest. derm. i ven. 37 no 1:86-87 Ja '63.

PENDZHIKENT—DRACHMA
A treasure-trove of Abbasid drachmas from the Pendzhikent ancient settlement, the third quarter of the eighth century. O I. Smirnova. Epig Vost. no 15 58-72 '63.

PENICILLIN
Bacteriolytic effect of penicillin on the agent of swine erysipelas V M D'iachenko Veterinariia 39 no 11 71 N '62
Experimental therapy of thermal burns of the upper respiratory tracts and the lungs [with summary in English]. P IA Lokot' and others. Pat fiziol. i eksp terap 7 no. 1 23-28 Ja-F '63.
Penicillin treatment of paratonsillary abscesses. A. P. IAroslavskii. Zhur. ush., nos. i gorl. bol. 23 no. 4: 67 Jl-Ag '63.
Possibility for using penicillin production wastes as ferments A. I Kotov, L. I. Grintser. Spirt prom. 29 no. 6.14-18 '63.

PENICILLIN—TOXICOLOGY
Determination of penicillin and streptomycin allergy using an intradermal test V. I. Andriute. Zdravookhranenie 6 no 2 17-22 Mr-Ap '63

PENMANSHIP—STUDY AND TEACHING
Teaching penmanship on one line in the first grade. N. N. Vasil'eva, L. I. Rabinovich Nach. shkola 31 no. 9:73-77 S '63.

PENSIONERS—EMPLOYMENT see subdivision under East Kazakhstan Province

PENSIONS see subdivision under Rostov-on-Don

PENTAERYTHRITOL
Pentaerythritol phosphite. Gil'm Kamal, E. T. Mukmenev. Trudy KKHTI no. 30:296-302 '62.

PENTAMERIDAE, FOSSIL see subdivision under Severoural'sk region

PENZA—BAPTISTS
Fiftieth anniversary of the Penza Parish of Evangelical Christians and Baptists. G. A Kuznetsov. Brat vest. no. 3 73-75 '63.

PENZA—COMPRESSORS
Manufacture of large compressor parts from extra-strong cast iron. I. L. Kurbatskii and others Khim. mashinostr. no. 5:36-37 S-O '63.

PENZA PROVINCE—AGRICULTURE—STUDY AND TEACHING
If you can look ahead. V. M. Boldin. Shkola i proizv. 7 no. 9 24-25 S '63.

PENZA PROVINCE—ROAD CONSTRUCTION
Let us show you a red-tapist and bureaucrat. T. Kapustin. Sov. deput. trud. no. 6:82-84 Je '63.

PEPTIC ULCER
Dispensary service for patients with peptic ulcers of the stomach and the duodenum. A. M. Rozovskii. Med. sestra 22 no. 8:51-53 S '63.
Fivefold perforation of the stomach in a patient with peptic ulcer. V I. Demchuk. Vest khir 90 no. 3 106-107 Mr '63.
Therapeutic diet in peptic ulcers of the stomach and the duodenum. V. M. Gamerova. Med. sestra 22 no. 9:21-24 S '63.
Thrombosis of the left coronary artery of the heart developing in acute hemorrhages. V. M. Shul'kin Sud.-med. ekspert. 6 no. 3:57 Jl-S '63.
Twenty-four-hour fluctuations of uropepsin in ulcer patients [with summary in English]. L. M. Kaskevich. Vrach delo no. 9:18-21 S '63.

PEPTIDES
Effect of some high-molecular polypeptides on cultures of human tumor cells [with summary in English]. S. M. Navashin, I. P. Fomina. Antibiotiki 7 no. 7.594-597 Jl '62.

PEPTIDES (Continued)

Experimental study of the antitumor action of some substances of natural origin [with summary in English]. Z. V. Ermol'eva and others. Antibiotiki 7 no. 7 571-581 Jl '62.

PERCEPTION, DISORDERS OF

Sensibility disorders in multiple sclerosis [with summary in English]. A. I. Shul'ga. Vrach. delo no. 9 80-83 S '63.

PERCEPTRONS

Comparative estimation of the volumes of one-layer and multilayer recognition systems [with summary in English]. V. V. Kleshchov, V. H. Chekalin. Avtomatyka 8 no. 4 45-49 '63.

PERCH

Morphologic and ecologic characteristics of ocgenesis in related species of perciid fishes. B. V. Koshelev. Trudy Inst. morf. zhiv. no. 38 189-231 '63.

PERENNIALS see subdivision under Dnepropetrovsk

PERGAMENT, RUVIM, 1906-

Lapchinskii, G. I. [Life-asserting work; an account of the work of R. S. Pergament, People's Artist of Karelia] Zhiznеutverzhdaiushchee tvorchestvo, ocherk o tvorchestve narodnogo artista KASSR R. S. Pergamenta. Petrozavodsk, Gos. izd-vo Karel'skoi ASSR, 1961. 50 p. illus.

(MH)

PERIODICALS—BIBLIOGRAPHY see Bibliography—Periodicals

PERIOSTEUM—DISEASES

Case of pathological bone transformation. L. N. Alekseeva. Ortop., travm. i protez. no. 1 88-89 '63.

PERIPHERAL NERVES see Nerves, Peripheral

PERITONITIS

Complication of pneumoperitoneum circumscribed by subdiaphragmatic peritonitis. A. I. Gerasimov, L. I. Gorovenko, P. I. Zhivatovskii. Vrach. delo no. 7 132-133 Jl '63.

PERLITE

Blistering of water-containing vulcanic glasses (perlites) studied by motion-picture photography [with summary in English]. M. P. Volarovich, A. I. Polinkovskaia, I. N. IAvits. Koll. zhur. 25 no. 5:512-514 S-O '63.

PERM PROVINCE—CARROTS—DISEASES AND *PESTS*

Effect of TMTD on the keeping quality and yield of carrot seed plants. V. S. Toldaev, T. I. Toldaeva. Zashch. rast. ot vred. i bol. 8 no. 9:16 S '63.

PERM PROVINCE—COPPER ORES

Native copper in Upper Permian sediments of the Ural Mountain region in Perm Province [with summary in English]. IU. M. Abramovich, IU. A. Nechaev. Min. sbor. no. 16:416-418 '62.

PERM PROVINCE—ECONOMIC CONDITIONS

[Calendar and handbook of Perm Province] Kalendar'-spravochnik Permskoi oblasti. (Perm') Permskoe knizhnoe izd-vo

[No. 5.] 1962. 247 p.

PERM PROVINCE—LUMBERING

Bederson, A. M., ed. [Economics of the lumbering industry] Voprosy ekonomiki lesnoi promyshlennosti, sbornik statei. [Perm'] Permskoe knizhnoe izd-vo, 1959. 176 p. (V pomoshch' ekonomicheskomu obrazovaniiu)

[MICROFILM]

PERM PROVINCE—LUMBERING—MACHINERY

We automate the production. F. Shershen'. Les. prom. 40 no. 3:29-30 Mr '62.

PERM PROVINCE—PUBLIC PROSECUTORS

How public prosecutors supervise the observance of Soviet laws in prisons. IU. Patrakov. Sots. zakon. 40 no. 8:82-83 Ag '63.

PERM PROVINCE—WOOD-USING INDUSTRIES

Bederson, A. M., ed. [Economics of the lumbering industry] Voprosy ekonomiki lesnoi promyshlennosti; *sbornik statei.* [Perm'] Permskoe knizhnoe izd-vo, 1959. 176 p. (V pomoshch' ekonomicheskomu obrazovaniiu)

[MICROFILM]

PERMALLOYS—MAGNETIC PROPERTIES

Some dynamic characteristics of thin permalloy films in the direction of the axis of slow magnetization. R. V. Telesnin, O. S. Kolotov. Fiz. tver. tela 5 no. 9:2653-2655 S '63.

[illegible] he perm- R, 1963, 390 p.

PERSHIN, A.

Speculation on a topic. K. Egorushkin, F. Leonidov. Nauka i rel. 4 no. 5 92-93 My '63.

PERSIA see Iran

PERSIAN GULF STATES—PETROLEUM INDUSTRY

Debts that can't be repaid [with English summary in insert]. R. Andreasian. Az. i Afr. ekon. no. 9:18-20 S '63.

PERSIAN INSCRIPTIONS see Inscriptions, Persian

PERSIAN LITERATURE—TRANSLATIONS INTO ARMENIAN

A few words apropos of some critical remarks [in Armenian with summary in Russian]. Mihrdat Tiryakian. Ist.-filol. zhur. no. 2:163-170 '63.

PERSIMMON see subdivision under Talysh Mountains

PESTICIDES see subdivision under Czechoslovakia

PETROLEUM see subdivision under Bashkiria; Uzbekistan

PETROLEUM—ANALYSIS

(see also subdivision under Azerbaijan, Bavly region; Caucasus, Northern)

Changes in the chemical composition of petroleums caused by the adsorptive properties of clay rocks. *A. G. Milicshina, G. I. Safonova.* Geol. nefti i gaza 7 no. 8 7-10 Ag '63.

PETROLEUM—REFINING

(see also subdivision under Bashkiria; United States, Volgograd)

Continuous method for removing unsaturated and sulfur-containing compounds from benzene with sulfuric acid. T. G. Pavlenko, V. B. Fal'kovskii, S. V. L'vov. Khim. i tekh. topl. i masel 8 no. 2, 3-6 F '63.

Problems of petroleum refining for 1963. M. M. Katsnel'son. Neftepererab. i neftekhim. no. 1:3-5 '63.

PETROLEUM—THERMAL PROPERTIES see subdivision under Apsheron Peninsula

PETROLEUM—TRANSPORTATION

Improving the organization of petroleum and petroleum products transportation. A. M. Bagirov. Zhel. dor. transp. 45 no. 5:65-69 My '63.

Kabardin, G. A., and M. M. Zaitov. [Using a single pipe for gathering oil and gas] Odnotrubnyi sbor produktsii skvazhin. Moskva, Gostoptekhizdat, 1963. 83 p.

Transportation factor in the distribution of petroleum refining enterprises. N. N. Shebarshina. Neftepererab. i neftekhim., no. 1:30-33 '63.

PETROLEUM, HEATING OF

Heat conditions on tank vessels. G. Sizov, IU. Bibikov. Rech. transp. 22 no. 9 35-37 S '63.

PETROLEUM AS FUEL

Increasing the energy content of hydrocarbon fuels. IA. B. Chertkov. Khim. i tekh. topl. i masel 8 no. 2, 63-67 F '63.

PETROLEUM CHEMICALS

(see also subdivision under United States)

In the Central Committee of the trade union. B. K. Sedunov. Neftianik 8 no. 2:25 F '63.

Mashinskii, I. A., and V. I. Sopin. [Technical standards and wages in petroleum refinery and petroleum chemical plants] Tekhnicheskoe normirovanie i zarabotnaia plata na neftepererabatyvaiushchikh i neftekhimicheskikh predpriiatiiakh, spravochnaia kniga. 2., dop. i perer. izd. Moskva, *Gostoptekhizdat, 1963.* 232 p.

PETROLEUM ENGINEERING

About the book "Planning oil production." V. I. Egorov, A. A. Tikhomirov. Izv. vys. ucheb. zav.; nefti i gaza 4 no. 3:125-128 '61.

PETROLEUM GEOLOGY

(see also subdivision under Arlan region; Caspian Sea region, Caucasus, Northern; Fergana; Kara-Kalpak A. S. S. R., Moldavia; Stavropol Upland; Volgograd Province)

Concerning S. G. Neruchev's book "Oil producing series and the migration of oil." I. V. Vysotskii. Geol. nefti i gaza 7 no. 8:58-60 Ag '63.

Diagnostics of oil producing series. A. A. Trofimuk. Geol. i geofiz. no. 4:116-121 '63.

Information. Geol. nefti i gaza 7 no. 8:60 Ag '63.

Oil formation in continental (lake) sediments. N. B. Vassoevich. Geol. nefti i gaza 7 no. 8:1-6 Ag '63.

Quantitative estimation of the "carbonization hydrocarbons" of organic matter in rocks. A. K. Karimov. Uzb. geol. zhur. 7 no. 4:10-17 '63.

PETROLEUM INDUSTRY

(see also subdivision under Azerbaijan; Karakum; Krasnodar; Krasnodar Territory; Persian Gulf States; Saudi Arabia; Turkey)

Activities of the party committee of the State Committee for the Chemical and Petroleum Industries. Part. zhizn' no. 19:38-42 O '63.

History does not obey them. F. Orekhov. Mozhdunar. zhizn' 10 no. 9:131-135 S '63.

In the Central Committee of the trade union. B. K. Sedunov. Neftianik 8 no. 2:25 F '63.

Volunteer workers are striving for technical progress. L. Barskaia. Neftianik 8 no. 2:23-24 F '63.

PETROLEUM INDUSTRY—BIBLIOGRAPHY see Bibliography—Petroleum industry

PETROLEUM INDUSTRY—EQUIPMENT AND SUPPLIES

Egorov, V. I. [Working capital of the petroleum and gas industries, and problems in the supply of [illegible] and equipment] *Oborotnye sredstva neftianoi i gazovoi promyshlennosti i voprosy material'no-tekhnicheskogo snabzheniia, uchebnoe posobie po kursu "Ekonomika neftianoi i gazovoi promyshlennosti."* Dissertatsiia ... redaktor A. D. Brenis. Moskva, Mosk. [illegible] i gazovoi promyshl., 1962. 20 p.

[MICROFILM]

PETROLEUM INDUSTRY—FINANCE

Method for determining the economic efficiency of capital investments in the petroleum production industry. I. A. Grigorian. Izv. AN Turk. SSR, [illegible] nauk no. 2:46-55 '63.

PETROLEUM INDUSTRY—FIRES AND FIRE PROTECTION *see subdivision under Batum*

PETROLEUM INDUSTRY—HYGIENIC ASPECTS see subdivision under Azerbaijan

PETROLEUM INDUSTRY—INFORMATION SERVICE

Presidium of the Central Board of the Scientific and Technology Society of the Petroleum and Gas [illegible] on the state of information work in the [illegible] of Viturin. NTI no. 9:6 '63.

PETROLEUM INDUSTRY—SAFETY MEASURES see subdivision under Omsk

PETROLEUM PIPELINES

(see also subdivision under Bukhankulovo)

Some problems in the theory of the movement [illegible] tors in consecutive transportation of petroleum [illegible] G. Z. Zaktrov, V. B. IAblonskii. Izv. vys. ucheb. zav. neft' i gaz 4 no. 3:75-79 '61.

Use of bakelite lacquer for preventing paraffin [illegible] in petroleum pipes. R. A. Abdullin. Tekhnika [illegible] tekh. prim. no. 4:41-44 '63.

PETROLEUM PIPELINES—TECHNOLOGICAL INSTALLATIONS see subdivision under Uzbekistan

PETROLEUM PRODUCTION

(see also subdivision under Al'met'yevsk region; Karadag region; Shkapovo region; Tatar A. S. S. R.; Ukraine)

Production of oil pools under conditions of [illegible] drive. G. P. Guseinov. Azerb. neft. khoz. [illegible] 23 Ja '63.

PETROLEUM PRODUCTION—EQUIPMENT AND SUPPLIES see subdivision under Ordzhonikidze region (Azerbaijan)

PETROLEUM PRODUCTION—LABOR PRODUCTIVITY

Losev, M. T., and others. [Labor productivity in petroleum production] Proizvoditel'nost' truda v dobyche nefti. Moskva, Gostoptekhizdat, 1963. 173 p.

PETROLEUM PRODUCTION—SAFETY MEASURES see subdivision under Andizhan Province

PETROLEUM PRODUCTS

Change in the quality of petroleum products [illegible] tact with rubber articles. P. Kh. Martinchenk[illegible], F. F. Chernikov. Khim. i tekh. topl. i masel 8 no. 2 41-43 F '63.

Development of new production methods for petro[illegible] chemical products. I. M. Rubtseva. Biul. tekh.-[illegible] inform. Gos. nauch.-issl. inst. nauch. i tekh. [illegible] no. 8:19-21 '63.

Differential potentiometric titration of carbonic [illegible] corrosive acids in sulfur-containing petroleum [illegible] ucts. E. P. Sobolev, E. A. Popova, I. A. Rubinshtein. Khim. i tekh. topl. i masel 8 no. 2:56-61 F '63.

Improving the quality of highway asphalts obtained from deasphaltization products. R. S. Akhmetova [illegible] Khim. i tekh. topl. i masel 8 no. 2:20-23 F '63.

Improving the quality of petroleum products. [illegible] bunov. Biul. tekh.-ekon. inform. Gos. [illegible] nauch. i tekh. inform. no. 9:74 '63.

PETROLEUM PRODUCTS—ANALYSIS

Device for determining the water content in petroleum products. D. A. Allev. Neftepererab. i neftekhim. no. 1:25-27 '63.

PETROLEUM PRODUCTS—DENSITY

Effect of the *error of temperature corrections* on the value of the density of petroleum products. N. I. Sklyarent'eva. Khim. i tekh. topl. i masel 8 no. 2 62-63 F '63.

PETROLEUM REFINERIES

Deactivation of sulfur-alkali wastes in oil refineries. S. L. Rubinshtein. Khim. i tekh. topl. i masel 8 no. 2 68-71 F '63.

PETROLEUM REFINERIES—DESIGN AND CONSTRUCTION

Vertical planning of petroleum refineries. N. G. Ya[illegible] lovskii. Prom. stroi. 40 [i. e. 41] no. 6:49-50 Je '63.

PETROLEUM REFINERIES—PRODUCTION STANDARDS

Mashinskii, I. A., and V. I. Sopin. [Technical standards and wages in petroleum refinery and petroleum chemical plants] Tekhnicheskoe normirovanie i zarabotnaia plata na neftepererabatyvaiushchikh i neftekhimicheskikh predpriiatiiakh, spravochnaia kniga 2., dop. i perer. izd. Moskva, Gostoptekhizdat, 1963. 232 p.

PETROLEUM WASTE

Combat losses. I. K. Novikov, Iu. I. Semin. Neftianik 8 no. 2:30 F '63.

Conference on the protection of seawater and coastal areas from pollution. Mor. flot 23 no. 10:15 O '63.

Determining the content of "neutralized black contact" in waste waters. B. I. Kniapaev, L. I. Malkina. Neftepererabotka i neftekhim. no. 1:19-22 '63.

Measuring the consumption of petroleum refinery waste waters. L. Kh. Levinbuk. Neftepererabotka i neftekhim. no. 1:32-34 '63.

PETROLEUM WORKERS—EDUCATION AND TRAINING

See subdivision under Kuibyshev Province.

PETROLOGY see subdivision under Kuznetsk Basin, Smolensk region

PETROV, EVGENII, 1903-1942

Larovskaia, L. M. [Why do you write humorously? About I. Il'f and E. Petrov, their lives and their humor] Pochemu vy pishete smeshno? Ob I. Il'fe i E. Petrove, ikh zhizni i ikh iumore. Moskva, Izd-vo Akad. nauk SSSR, 1963. 180 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

PHAGOCYTOSIS

Accumulation of $Na_2HP^{32}O_4$ in tissues and phagocytosis during inflammation under conditions of the use of gangliolytics [with summary in English]. N. F. Shaposhnikova. Pat. fiziol. i eksp. terap. 7 no. 1:61-65 Ja-F '63.

Nonspecific phagocyte activity in experimental bone tuberculosis following the use of pyrogens and streptomycin [with summary in English]. S. Kh. Kucheriavyi, I. B. Il'ina. Pat. fiziol. i eksp. terap. 7 no. 2:63-67 Mr-Ap '63.

PHARMACOLOGY

Antihypertensive effect of compound medicinal preparations of diverse action [with summary in English]. D. I. Pershchenko, V. R. Panchenko. Vrach. delo no. 9:57-62 S '63.

Beliakin, M. L. [Elements of the quantitative evaluation of pharmacological effect] Elementy kolichestvennoi otsenki farmakologicheskogo effekta. 2. izd., perer. i dop. Leningrad, Medgiz, 1963. 148 p. (DNLM)

PHARMACOLOGY—ABSTRACTS

[Pharmacology, Toxicology] Ref. zhur.: Farm. Toks. no. 20 O '63.

PHARMACY see subdivision under Tiraspol'

PHARYNX

Changes in the mucous membrane of the pharynx during the menstrual cycle [with summary in English]. L. K. Tkeshelashvili. Zhur. ush., nos. i gorl. bol. 23 no. 4:63-65 Jl-Ag '63.

PHARYNX—DISEASES

Upper respiratory tracts in silicosis. A. I. Nesis, S. T. Tusupbekov. Zdrav. Kazakh. 23 no. 2:40-43 '63.

PHASE MICROSCOPE

Phase contrast microscopy for tuberculosis diagnosis [with summary in English]. L. K. Tsellarius. Veterinariia 39 no. 9:71-74 S '62.

PHASE RULE AND EQUILIBRIUM

Characteristics of phase transformations, structure, and properties of manganese steel. IA. E. Gol'dshtein, G. A. Charushnikova, A. M. Belikov. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 4:105-111 Jl-Ag '63.

Chromium distribution among phases of hypoeutectic cast iron. V. A. Shalashov. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 4:121-126 Jl-Ag '63.

Conference on the thermodynamic and kinetic aspects of phase transitions. V. M. Varikash. Kristalografiia 8 no. 5:815 S-O '63.

Diagrams of the isothermal decomposition of austenite in graphitizable steel. Zh. B. Zakorko, E. N. Pogrebnoi. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 4:112-115 Jl-Ag '63.

Dilatometric investigation of secondary martensite transformation in high-speed cobalt steel. A. N. Popandopulo. Metalloved. i term. obr. met. no. 9:9-14 S '63.

Effect of pressure on the phase equilibrium of graphite - cementite in the iron - carbon system. T. P. Orehova, E. G. Poniatovskii. Dokl. AN SSSR 151 no. 6:1364-1367 Ag '63.

Intercrystalline segregation of silicon in cast iron. A. A. Zhukov. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2:47-53 Mr-Ap '63.

Intermediate phases in the iron - zirconium system. V. N. Svechnikov, V. M. Pan, A. TS. Spektor. Zhur. neorg. khim. 8 no. 9:2118-2123 S '63.

Mechanical properties in the solid-fluid state of the ML12 alloy containing RZM [rare-earth metals]. I. I. Novikov and others. Metalloved. i term. obr. met. no. 9:53-56 S '63.

On some cases of the formation of tetrahedral four-component systems [with summary in English]. A. S. Berezinol. Dop. AN URSR no. 8:1055-1057 '63.

Phase equilibria in the system LiF - LaF_3. L. A. Khalpin. Izv. SO AN SSSR no. 7. Ser. khim. nauk no. 2:107-110 '63.

Phase transitions in the systems $TiCl_4$ - $POCl_3$ - $AlCl_3$ ($NbCl_5$, $TaCl_5$) [with summary in English]. B. A. Vostovich, A. S. Baranbanova. Dop. AN URSR no. 8:1068-1072 '63.

Physical properties of alloys of the titanium corner in the system titanium - aluminum - tin. O. P. Eliutin and others. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2:136-140 Mr-Ap '63.

Solidus surface of the system Titanium - Niobium - Chromium. K. I. Shakhova, P. B. Budberg. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 1:159-160 Jl-Ag '63.

Structural changes in the zones of wear of cutting edges in high-speed steel. L. B. Zhermunskaia. Metalloved. i term. obr. met. no. 9:14-18 S '63.

X-ray investigation of the system tungsten - rhenium - carbon [with summary in English]. Iu. B. Kuz'ma and others. Porosh. met. 3 no. 4:40-46 Jl-Ag '63.

Zone melting as an auxiliary method in the analysis of phase diagrams. V. I. Korol'kov, G. V. Nikitina, V. N. Romanenko. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 4:95-98 Jl-Ag '63.

PHENANTHROLINE

Complex compounds of monovalent thallium with 1,10-phenanthroline. F. IA. Kul'ba, V. E. Mironov, L. A. Anan'eva. Zhur. neorg. khim. 8 no. 10:2326-2328 O '63.

Complex compounds of rare earth elements with 1,10-phenanthroline. N. I. Lebanov, V. A. Smirnova. Zhur. neorg. khim. 8 no. 9:2206-2207 S '63.

PHENICIAN LANGUAGE—GRAMMAR

Shifman, I. Sh. [The Phenician language] Finikiiskii iazyk. Moskva, Izd-vo vostochnoi lit-ry, 1963. 68 p. (IAzyki zarubezhnogo Vostoka i Afriki)

PHENOL CONDENSATION PRODUCTS

Mastering and improving techniques used in the production of formaldehyde condensation additives. A. M. Bugaichuk. Neftepererabotka i neftekhim. no. 1:9-14 '63.

PHENOLS

Behavior in the stretching of natural rubber vulcanizates with p-tert-butyldimethyloiphenol [with summary in English]. V. A. Shershnev, L. V. Ginzburg, B. A. Dogadkin. Koll. zhur. 25 no. 5:626-627 S-O '63.

Hygienic importance and effect of small concentrations of phenol on the organism of humans and animals. B. Mukhitov. Prod. dop. kontsent. atmosf. zagr. no. 7:76-98 '63.

PHENOLS—PHYSIOLOGICAL EFFECT

Electron microscope study of morphological changes in Escherichia coli and Bacillus anthracoides following the action of some phenol preparations. E. K. Skvortsova, N. P. Likhacheva. Zhur. mikrobiol., epid. i immun. 10 no. 1:88-91 '63.

PHENOTHIAZINE

Use of phenothiazine in Haemonchus infection of pregnant sheep. E. S. Remizov. Veterinariia 39 no. 11:39 N '62.

PHILIPPINES—HISTORY

Invective instead of scholarly criticism. A. B. Reznikov. Vop. ist. 38 no. 9:178-180 S '63.

PHILIPPINES—MINORITIES

Three million outcasts. N. Kharuta. Az. i Afr. seg. no. 9:55 S '63.

PHILOLOGY—STUDY AND TEACHING

Raise the academic and ideological-theoretical standards for training philologists. A. G. Sokolov. Vest. Mosk. un. Ser. 7: Filol., zhur. 18 no. 4:97-102 Jl-Ag '63.

PHILOSOPHY

Akhiezininskii, B. V., and N. I. Khrakenko. [A marvel of our times] Chudo nashego vremeni; kibernetika i problemy razvitiia. [Leningrad] Lenizdat, 1963. 137 p.

Crisis of bourgeois ideology [in Armenian with summary in Russian]. G. G. Asiatian. Ist.-filol. zhur. no. 2,3-16 '63.

Our time and the social philosophy of the West. E. D. Modrzhinskaia and others. Vop. filos. 17 no. 8:37-47 '63.

Reliable weapon. F. M. Oleinik. Nauch. zap. Zapor. gos. ped. inst. 7:240-256 '59.

PHILOSOPHY—BIBLIOGRAPHY see Bibliography—Philosophy

PHILOSOPHY—RESEARCH

Philosophical studies in the Soviet institutions of scholarly research [with summary in English, pp. 184-185]. G. I. Beliakova and others. Vop. filos. 17 no. 8:67-73 '63.

Some current problems of Soviet philosophy. G. A. Kursanov. Vop. filos. 17 no. 8:58-66 '63.

PHILOSOPHY—STUDY AND TEACHING

Study of philosophy in the institutions of higher education of the U. S. S. R. [with summary in English, pp. 183-184]. S. T. Kaltakhchian, IU. P. Petrov. Vop. filos. 17 no. 8:61-66 '63.

PHILOSOPHY, FRENCH

Critical evaluation of neo-Hegelianism by the French Marxists. M. N. Grechkil. Vop. filos. 17 no. 8:115-124 '63.

PHILOSOPHY, GERMAN

Moscow. Pervyi meditsinskii institut. Kafedra dialekticheskogo i istoricheskogo materializma. [Classic German philosophy] Klassicheskaia nemetskaia filosofiia, uchebnoe posobie dlia studentov meditsinskikh i farmatsevticheskikh vuzov. Pod red. I. A. Pashintseva. Moskva, Pervyi med. in-t, 1963. 34 p.

PHILOSOPHY, TAJIK

Valuable work on the history of the philosophy of the peoples of Central Asia. G. Akimazov. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 1:92-94 '63.

PHILOGOPITE

Phlogopite potential of precarbonatite metasomatic rocks. E. M. Epshtein. Geol. mest. red. elem. no. 17:133-134 '62.

PHOSPHATES

(see also subdivision under Aktyubinsk Province)

Chemistry of rare-earth polyphosphates. V. I. Mustaev, R. T. IAkovenko. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 1:13-16 '63.

PHOSPHINE OXIDE

Interaction in the system tri-n-butylphosphine oxide - hydrochloric acid. G. P. Nikitina, M. F. Pushlenkov. Radiokhimiia 5 no. 1:145-156 '63.

Phosphinic and phosphonic acid series. Report No. 14. Some derivatives diethylcarboxymethylphosphine oxide. A. I. Razumov, N. G. Zabusova. Trudy KKHTI no. 30:28-36 '62.

Phosphinic and phosphonic acid series. Report No. 15. Atomic refraction of phosphorus in phosphine oxides. A. I. Razumov, N. G. Zabusova. Trudy KKHTI no. 30:37-39 '62.

PHOSPHINIC ACID

Mixtures of mono- and di(2,4-diethyl-1-octyl)methyl phosphonates as extractants. B. N. Laskorin and others. Radiokhimiia 5 no. 1:121-128 '63.

n-Butyl ester of phenyltrichloromethylphosphinic acid. Gil'm Kamal, F. M. Khanasova, S. IU. Pukhvatullina. Trudy KKHTI no. 30:18-21 '62.

Reactions of dialkyl phosphorous acids with aldehydes and ketones. Report No. 25. Esters of α-hydroxy-β,β,β',β'-tetrachloroisopropylphosphinic acid. V. S. Abramov, A. L. Shalman. Trudy KKHTI no. 30:45-46 '62.

Some esters of ethyl-α-bromovinylphosphinic acid. Gil'm Kamal, V. S. Tsivunin, L. A. Papina. Trudy KKHTI no. 30:11-17 '62.

Synthesis of the alkyl lactates of methylphosphinic acid. E. N. Burunova, A. I. Kutsenko, P. A. Moshkin. Plast. massy no. 10:16-17 '63.

PHOSPHORESCENCE

Effect of reabsorption on damping of the phosphorescence of molecules in a plane-parallel layer. IU. V. Konobeev. Opt. i spektr. 15 no. 3:375-380 S '63.

PHOSPHORIC ACID

Chemical stability of glass in orthophosphoric acid. M. A. Matveev, E. E. Mazo, F. T. Kachur. Stek. i ker. 20 no. 10:8-10 O '63.

Composition and structure of phosphoric acid esters of polyvinyl alcohol fibers. L. A. Tsitlina, A. I. Meos, L. A. Vol'f. Khim. volok. no. 5:23-25 '63.

Dissociation, dimerization, and distribution of di(2-ethylhexyl)phosphoric acid in the system octane - 0.1 M solution of $NaClO_4$ - $HClO_4$. V. S. Ul'ianov, R. A. Svitsova. Radiokhimiia 5 no. 4:419-424 '63.

Extraction of thorium with dibutylphosphoric acid from solutions in nitric acid. Z. A. Sheka, E. I. Sinlavskaia. Radiokhimiia 5 no. 4:485-490 '63.

Phosphate method for stripping rare-earth minerals. S. V. Bleshinskii and others. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 4:17-21 '63.

PHOSPHORITE see subdivision under Gornaya Shoriya; Kuznetsk Alatau

PHOSPHORODITHIOIC ACID

Substituted dithiophosphates [with summary in English]. M. I. Zemlianskyi, I. V. Muraviov. Dop. AN URSR no. 8:1064-1067 '63.

PHOSPHOROUS ACID

Alkyl aryl esters of pyrocatecholphosphorous acid, new stabilizers of polymers. Report No. 1. Synthesis of alkyl aryl esters of pyrocatecholphosphorous acid. P. A. Kirpichnikov and others. Trudy KKHTI no. 30:47-51 '62.

PHOSPHOROUS ACID (Continued)

Reactions of aldehydes and ketones with phosphorous acid amides. Report No. 5. Action of α-chloro-substituted aldehydes and ketones on di-β-chloroethylphosphorous acid diethylamide. N. A. Il'ina, A. P. Lukovnikova, V. S. Abramov. Trudy KKHTI no. 30, 40-44 '62.

Some unsaturated esters of phosphorous acid. P. A. Kirpichnikov, E. A. Krasil'nikova, I. E. Saratov. Trudy KKHTI no. 30, 52-57 '62.

PHOSPHORS—OPTICAL PROPERTIES

Study of the optical flare-up and quenching of crystal phosphors. V. L. Levshin, B. M. Orlo. Vest. Mosk. un-ta, ser. 3, Fiz., astron. 18, no. 3, 48-54 My-Je '63.

PHOSPHORUS

(see also subdivision under Magnitogorsk region)

Phosphorus-containing thermosetting resins. V. V. Korshak, L. V. Gribova, M. A. Andreeva. Plast. massy, no. 10, 11-12 '63.

PHOSPHORUS—OPTICAL PROPERTIES

Phosphinic and phosphonic acid series. Report No. 15. Atomic refraction of phosphorus in phosphine oxides. A. I. Razumov, N. G. Zabusova. Trudy KKHTI no. 30, 37-39 '62.

PHOSPHORUS ACIDS

Synthesis of polyesters based on trivalent phosphorus acids by condensation polymerization at the interface. E. V. Kuznetsov, I. M. Shermergorn, V. A. Bellaeva. Trudy KKHTI no. 30, 70-76 '62.

PHOSPHORUS ISOTOPES

Effect of ethyl chloride blockade on the permeability of the histohematic barrier, according to data of a radioactive phosphorus study, [with summary in English]. L. Laucevicius, E. Nekrasas, E. Motejunaite. Vrach. delo, no. 9, 93-96 S '63.

PHOSPHORUS IN THE BODY

Accumulation of $Na_2HP^{32}O_4$ in tissues and phagocytosis during inflammation under conditions of the use of gangliolytics [with summary in English]. N. F. Shaposhnikova. Pat. fiziol. i eksp. terap. 7, no. 1, 61-65 Ja-F '63.

PHOSPHORUS ORGANIC COMPOUNDS

Synthesis of organophosphorus stabilizers of polymers. V. Kh. Kadyrova, P. A. Kirpichnikov, L. G. Tokareva. Trudy KKHTI no. 30, 56-62 '62.

Vibrational spectra of zirconium complexes with organophosphorus derivatives. Part 1. Spectra of extracts from hydrochloric and nitric acid solutions. G. P. Nikitina, M. F. Pushlenkov. Radiokhimiia 5, no. 4, 436-445 '63.

PHOSPHORUS ORGANIC COMPOUNDS—TOXICOLOGY

Intravital and postmortem diagnosis of poisonings by anticholinesterase substances, survey of the literature. IA. S. Smusin, N. K. Fruentov. Sud.-med. ekspert. 6, no. 3, 28-33 Jl-S '63.

Kagan, IU. S. [Toxicity of phosphorus organic insecticides and work hygiene in their use.] Toksikologiia fosforoorganicheskikh inseksitsidov i gigiena truda pri ikh primenenii. Moskva, Medgiz, 1963. 324 p. (DNLM)

PHOSPHORYL CHLORIDE

Compounds of beryllium chloride with phosphorus oxychloride. N. IA. Turova, K. N. Semenenko, A. V. Novoselova. Zhur. neorg. khim. 8, no. 9, 2155-2162 S '63.

Preparation of dialkyl phosphorous acid chlorides. A. I. Razumov and others. Trudy KKHTI no. 30, 265-270 '62.

PHOSPHORYLATION

Phosphorylation of polyethylene. E. V. Kuznetsov, R. S. Devitaeva. Trudy KKHTI no. 30, 63-69 '62.

PHOSPHOTUNGSTIC ACIDS

Potentiometric titration of β-luteophosphotungstic acid. E. A. Nikitina, N. A. TSvetkov. Zhur. neorg. khim. 8, no. 10, 2285-2289 O '63.

PHOTOCHEMISTRY

Catalytic activity of silver obtained in the photochemical decomposition of silver oxalate. V. V. Sviridov, G. A. Branitskii. Dokl. AN BSSR 7, no. 6, 387-390 Je '63.

"Negative temperatures" in reversible photochemical reactions. M. G. Kuz'min. Dokl. AN SSSR 151, no. 6, 1371-1374 Ag '63.

PHOTOCOPYING PROCESSES

Review of electrophotographic copiers in Japan. [Abridged translation from the English]. NTI, no. 8, 24-29 '63.

PHOTOELASTICITY

Consecutive patterns of the strained state in a disk under impact. I. M. Pavlov, V. G. Osipov. Izv. AN SSSR, Otd. tekh. nauk, Mekh. i gor. delo, no. 2, 112-115 Mr-Ap '63.

PHOTOELECTRIC CELLS

Principal design relationships of position-sensitive photoreceivers with photoelectric diodes. K. M. Krolevets. Radiotekh. i elektron. 8, no. 10, 1749-1755 O '63.

PHOTOGRAPHIC LENSES see Lenses, Photographic

PHOTOGRAPHIC SENSITOMETRY

Gorokhovskii, IU. N., and T. M. Levenberg. [General sensitometry, theory and practice.] Obshchaia sensitometriia, teoriia i praktika. Moskva, Izd-vo "Iskusstvo," 1963. 301 p.

Investigating the brightness detail measuring characteristics of films processed by the reversal method [with summary in English on p. 96]. B. N. Modestov. Tekh. kino i telev., 7, no. 9, 11-20 S '63.

PHOTOGRAPHY

(see also subdivision under Hungary)

Another year of work. Sov. foto, 23, no. 5, 14 My '63.

PHOTOGRAPHY—APPARATUS AND SUPPLIES

Turret for the "Kvarts" camera. A. Zhukov, N. Pollakhskii. Sov. foto, 23, no. 5, 34-35 My '63.

PHOTOGRAPHY—COMPETITIONS

First All-Union. A. Aleksandrov. Sov. foto, 23, no. 5, 8-13 My '63.

"Our day" photographic contest. Results summarized. Sov. foto, 23, no. 5, 6 My '63.

PHOTOGRAPHY—ENLARGING

Precise focusing of the enlarger. V. Vorob'ev. Sov. foto, 23, no. 5, 36-37 My '63.

PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

[Photographic and motion-picture equipment.] Ref. zhur. Fotokinotekh., nos. 10-11, O-N '63.

PHOTOGRAPHY—EXHIBITIONS

An art close and intelligible to the people. Sov. foto, 23, no. 5, 3-4 My '63.

Good tradition. A. Korenev. Sov. foto, 23, no. 5, 15-16 My '63.

International photographic exhibitions. Kul't. i zhizn', 7, no. 4, 45 '63.

Photographic art of the Northern Caucasus. Marat Amaev. Sov. foto, 23, no. 5, 4-5 My '63.

[Time, forward!; the Second All-Union Photographic Exhibition "Seven-year plan in action"] Vremia, vpered! Time, forward! Temps, en avant! i Tiempo, adelante! ..., Vtoraia Vsesoiuznaia khudozhestvennaia fotovystavka "Semiletku v deistvii." Moskva, Iskusstvo, 1963. [19] p., illus. [Text in five languages.]

PHOTOGRAPHY—EXPOSURE

Bias lightening and darkening in full exposure. R. Il'in. Sov. foto, 23, no. 5, 36-39 My '63.

How to determine the best exposure. A. Vedenov. Sov. foto, 23, no. 5, 32-33 My '63.

PHOTOGRAPHY—SCIENTIFIC APPLICATIONS

Use of black-and-white photography in geological documentation of underground mine workings. M. A. Gnevushev, L. E. Danilochkina. Razved. i okh. nedr, 29, no. 9, 32-36 S '63.

PHOTOGRAPHY, AERIAL

Horizons of aerial photography. I. Neviazhskii, IU. Trunin. Nauka i zhizn', 30, no. 9, 28-32, 32a, 1 of cover S '63.

PHOTOGRAPHY, PARTICLE TRACK

Angular distribution of photoneutrons from Bi^{209} [with summary in English]. E. S. Anashkina. Zhur. eksp. i teor. fiz., 45, no. 3, 404-408 S '63.

Azimuthal angular distribution of shower particles produced by cosmic ray particles in a photographic emulsion [with summary in English]. Sh. Abduzhamilov and others. Zhur. eksp. i teor. fiz., 45, no. 3, 407-414 S '63.

Criteria for particle selection in p-N interaction. E. G. Boos, G. IA. Grigor'eva. Trudy Inst. fiz. fiz. AN Kazakh. SSR, 6, 140-143 '63.

Graphic method for evaluating stereoscopic cloud chamber photographs by means of a stereoscopic comparator. G. I. Turov. Trudy Inst. fiz. fiz. AN Kazakh. SSR, 6, 129-132 '63.

Inelastic π-N-interactions at 7.5 Bev. A. Kh. Vinitskii and others. Trudy Inst. fiz. fiz. AN Kazakh. SSR, 6, 144-159 '63.

Observation of $K_2^0 \rightarrow \pi^+ + \pi^- + \pi^0$ decays [with summary in English]. M. Kh. Anikina and others. Zhur. eksp. i teor. fiz., 45, no. 3, 469-473 S '63.

Preparation of coordinate nets for studying nuclear emulsions. D. S. Amankulova, IU. T. Lukin, K. S. Kharitonova. Trudy Inst. fiz. fiz. AN Kazakh. SSR, 6, 101-104 '63.

Two-prong stars formed in inelastic pp-interactions at 9 Bev. Zh. S. Takibaev and others. Trudy Inst. fiz. fiz. AN Kazakh. SSR, 6, 94-100 '63.

PHOTOGRAPHY, STEREOSCOPIC

Experience in using electronic computers for the determination of the elements of waves by the stereophotogrammetric method. A. A. Rogozin. Meteor. i gidrol., no. 9, 42-46 S '63.

PHOTOMECHANICAL PROCESSES

Photoprinting of parts. B. S. Gorshtein. Mashinostroitel', no. 8, 21 Ag '63.

PHOTOMETRY

Comparative study of reagents for the photometric determination of plutonium. A. A. Nemodruk, L. L. Kalinina, N. E. Kochetkova. Radiokhimiia 5, no. 4, 461-462 '63.

PHOTOMICROGRAPHY

Microscopic and electron-microscopic examination of samples of hydroxyethyl cellulose. I. I. Abkin, L. LTITSBP, no. 11, 63-67 '62.

Use of optical and electron microscopes for studying bleached commercial pulps. L. I. Mikhin, I. [illegible]zhek, P. I. Gorshtil. Trudy L[illegible]SBP, no. 11, 4-12 '62.

PHOTOPERIODISM

Shortened daylight periods in growing forage grasses as a method for developing early ripening varieties. P. L. Goncharov. Vest. sel'khoz. nauki, 8, no. 3, 111-115 Mr '63.

Significance of controlled conditions for determining the potential yields of plants. B. S. Meshkov. Vest. sel'khoz. nauki, 8, no. 3, 102-104 Mr '63.

PHOTOSYNTHESIS

Dynamics of the accumulation and transformation of assimilants in corn. Z. G. Indeko. Dokl. AN SSSR, 7, no. 7, 477-480 Jl '63.

Effect of high fertilizing rates on the formation and performance of the photosynthetic apparatus in winter wheat plants [with summary in English]. V. I. Kosenniuk, I. I. Vasilenko. Izv. TSKhIA, no. 2, 7-18 '63.

Growth and photosynthesis of corn plants as related to various planting times. V. G. Sidel'nikov. Trudy Moskovsk. nauch.-issl. inst. zem., 12, 80-86 '63.

Study of triazine derivatives as growth regulators for plants. Report No. IV. Effect of simazine and atrazine on the change in intensity of the photosynthesis and respiration of plants. S. M. Manukhova, N. A. Tarchik. Dokl. AN BSSR 7, no. 6, 418-421 Je '63.

PHRENIC NERVE—DISEASES

Paresis of the phrenic nerve in nursing infants as a result of a birth injury. M. F. Denisenkova, N. [illegible]. Pediatriia, 42, no. 1, 79-81 Ja '64.

PHTHALIC ACID

Nitroalkyd resins. Report No. 5. Synthesis of nitro alkyd resins based on phthalic and 3-nitrophthalic acids. L. M. Kozlov, V. I. Burmistrov, M. N. Khanarina. Trudy KKHTI no. 30, 155-160 '62.

PHYSICAL EDUCATION AND TRAINING

Concerning the problem of physical culture as a professional (industrial) work. S. I. Dedkin. Teor. i prak. fiz. kul't., 26, no. 8, 49-52 Ag '63.

How are you? E. Imbovits. Ogonek, 41, no. 41, 25 O '63.

Lenin's ideas as a source of the development of the Soviet system of physical education. G. L. Apanasenko. Teor. i prak. fiz. kul't., 26, no. 8, 10-21 Ag '63.

New physical education program. V. P. Gerasimov. Nar. vys. shkoly, 21, no. 8, 33-35 S '63.

Physical education is important. P. P. Bannyi. Sred. spets. obr., 10, no. 9, 24-29 S '63.

To live and to fight in Lenin's manner. Teor. i prak. fiz. kul't., 26, no. 8, 1-6 Ag '63.

PHYSICAL EDUCATION AND TRAINING, MILITARY

Sports organizer. I. Pozhidaev. Sov. voin, 44, Ag '63.

PHYSICAL EDUCATION FOR CHILDREN

Development of the ability to jump in students. V. I. Lomeiko. Nach. shkola, 31, no. 8, 85-87 S '63.

PHYSICAL EDUCATION FOR THE AGED

Makoveis'kyi, O. F. [Physical culture for old people.] Fizychna kul'tura dlia liudei starshoho viku. Kyiv, Derzh. medychne vyd-vo, 1963. 42 p. (DNLM)

PHYSICAL GEOGRAPHY see subdivision under Kamchatka; Tien Shan; Ural Mountain region

PHYSICAL INSTRUMENTS

Demonstration of a discharge in gases. A. M. [illegible]. Vest. vys. shkoly, 21, no. 9, 74-75 S '63.

PHYSICAL METALLURGY—BIBLIOGRAPHY see Bibliography—Physical metallurgy

PHYSICAL METALLURGY—COMPETITIONS

Results of All-Union Competitions for the D. K. Chernov and N. A. Minkovich prizes for 1963 awarded by the Scientific Technological Society for the Machine-building industry. Metalloved. i term. obr. met., no. 10, 57-59 O '63.

PHYSICAL METALLURGY—CONGRESSES

Fifth All-Union Scientific Technological Conference of Metallography and Heat Treatment Specialists. B. S. Sokolov. Metalloved. i term. obr. met., no. 10, 43-52 O '63.

PHYSICALLY HANDICAPPED—REHABILITATION
(see also subdivision under Rudnyy, Kazakhstan)

They remember, when the bells of Volosovo grew silent. V. Vladimirov. Smena 10 no.18 18-20 S '63.

Two fates. N. Karpov. Sov. Kirg. krest 13 no. 2-30 Mr-Ap '63.

PHYSICIANS

Review of A. Nikanorkin's book "People of accomplishment." N. D. Petrov. Zdrav Ros. Fed. 7 no. 9 41-42 S '63.

PHYSICS
(see also subdivision under Odessa)

Makarova, M. G., V. F. Dudin, and Iu. A. Lopatina. [Physics] Fizika; uchebno-metodicheskoe posobie i rukovodstvo po kursu fiziki dlia slushatelei podgotovitel'nykh kursov pri Groznenskom neftianom institute. Pod red. V. F. Dudina. Groznyi, Groznenskii neftianoi in-t.
Pt 1. [Mechanics, vibrations and waves. Sound Liquids and gases Fundamentals of molecular-kinetic theory Heat] Mekhanika, kolebaniia i volny Zvuk Zhidkosti i gazy Osnovy molekuliarno-kineticheskoi teorii Teplota 1963. 107 p.
[MICROFILM]

PHYSICS—ABSTRACTS

[Physics] Ref. zhur.: Fiz. no. 10 O '63.

PHYSICS—BIBLIOGRAPHY see Bibliography—Physics

PHYSICS—CONGRESSES

Second All-Union Conference on the Physics of Collisions between Electrons and Atoms. L. A. Sena. Izv. AN SSSR. Ser. fiz. 27 no. 8:994-995 Ag '63.

PHYSICS—HISTORY

Role of models and analogy in the history of physics. Ts. S. Sarkisov, B. I. Spasskii. Vest. Mosk. un. Ser 3: Fiz., astron. 18 no. 5:99-103 S-O '63.

PHYSICS—PHILOSOPHY

Akademiia nauk SSSR Nauchnyi Sovet po filosovskim voprosam estestvoznaniia. [Philosophical problems of the physics of elementary particles] Filosofskie problemy fiziki elementarnykh chastits. Moskva, Izd-vo Akad. nauk SSSR, 1963. 381 p.

Philosophy and physics of elementary particles. M. E. Omel'ianovskii. Kul't. i zhizn' 7 no. 8 28-30 '63.

Some data of modern physics in the light of V. I. Lenin's theory of the indestructibility of matter. F. D. Miroshnichenko. Nauch. zap Zapor. gos. ped. inst. 7.105-110 '59

Shagalin, A. V. [Struggle of materialism and idealism in quantum mechanics] Bor'ba materializma s idealizmom v kvantovoi mekhanike [Kiev] Izd-vo Kievskogo univ., 1963. 127 p.

PHYSICS—PROBLEMS, EXERCISES, ETC.

Moscow. Moskovskii institut radioelektroniki i gornoi elektromekhaniki. Kafedra fiziki. [Problems in physics] Sbornik zadach po fizike. Izd. 2., perer. Moskva, 1963. 113 p.

Problems without complicated calculations. S. Ushakov. Nauka i zhizn' 30 no. 5:50, 109-110 My '63

Sakhatov, D. I. [Problems in physics] Sbornik zadach po fizike. Izd. 10, ispr. Moskva, Uchpedgiz, 1963. 280 p.

Zubov, V. G., and V. P. Shal'nov. [Problems in physics] Zadachi po fizike; posobie dlia samoobrazovaniia. Izd 7. Moskva, Gos. izd-vo fiziko-matemat. lit-ry, 1963. 271 p.

PHYSICS—RESEARCH

Research in the field of high-temperature thermophysics. V. A. Kirillin. Teplofiz. vys. temp. 1 no. 1:3-7 Jl-Ag '63.

PHYSICS—STUDY AND TEACHING

Conference on the contents of a school course in physics. Sov. pedag. 27 no. 8:154-157 Ag '63.

Almanov, K. [Elements of automation and remote control in a secondary school physics course] Elementy avtomatiki i telemekhaniki v kurse fiziki srednei shkoly; posobie dlia uchitelei. Pod red. N. M. Shakhmaeva. Moskva, Izd-vo APN RSFSR, 1963. 158 p.

Forming the dialectical and materialistic philosophy of senior-grade students in physics lessons. V. N. Moshchanskii. Sov pedag. 27 no. 8.56-66 Ag '63.

Saulit, V. B., and V. Iu. Padalko. [How to prepare for the entrance tests to a school of higher education, physics] Kak gotovit'sia k priemnym ekzamenam v vuz}. fizika 2., ispr. izd. [Leningrad] Izd-vo Leningr. univ. 1963. 286 p.

Peryshkin, A. V. ed. [Methodology of teaching physics in eight-year schools] Metodika prepodavaniia fiziki v vos'miletnei shkole, posobie dlia uchitelei i studentov pedvuzov. [By] A. V. Peryshkin. 1 dr. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 317 p.

Reorganization of the physics course in evening schools. L. I. Moroz Sov. pedag. 27 no. 8 73-78 Ag '63

PHYSIOLOGICAL APPARATUS

Hydrometry of the heart valves, on methods of pathologo-anatomical research. I. I. Finkel'. Grud. khir. 4 no. 6:108-110 N-D '62.

Simplified apparatus for phasic examination of the heart. A. N. Medelianovskii, O. I. Kiselev Pat. fiziol. i eksp. terap. 7 no. 1 86-87 Ja-F '63.

PHYSIOLOGICAL CHEMISTRY

Current data on the histochemistry of the human chorion; review of literature. A. I. Brusilovskii. Akush. i gin. no. 2:11-15 '63.

PHYSIOLOGICAL PSYCHOLOGY see Psychology, Physiological

PHYSIOLOGY—CONGRESSES

The Fourth All-Union Conference on Labor Physiology. N. Kalinina. Sots. trud 8 no. 9 147-148 S '63.

PHYSIOLOGY, PATHOLOGICAL

Characteristics of physiological functions of daily periodicity in patients recovered from meningitis [with summary in English]. E. N. Domontovich, L. N. Pankova. Vrach. delo no. 7:79-83 Jl '63.

Effect of pathological processes on the development of the neural elements of the pelvic plexus in man. E. N. Chaika. Vop. morf. perif. nerv. sist. no. 6:102-202 '63.

Neurotropic bases of compensation. S. M. Pavlenko. Pat. fiziol. i eksp. terap. 7 no. 2 3-8 Mr-Ap '63

PHYTOGEOGRAPHY

Phytogeographical subdivision of deserts in Eurasia and North Africa proposed by E. M. Lavrenko. M. P. Petrov. Bot. zhur. 48 no. 9:1223-1227 Ag '63.

PHYTONCIDES

Brief news. N. M. Ovchinnikov, E. P. Lesnikov. Vest. derm. i ven. 37 no. 2 91-94 F '63.

PHYTOPHTHORA

Criteria of the species in fungi of the genus Phytophthora. N. F. Illarova. Bot. zhur. 48 no. 8:1210-1214 Ag '63.

PIANO MUSIC—HISTORY AND CRITICISM

Alekseev, A. D. [Russian piano music; from its origins to the heights of creativity] Russkaia fortepiannaia muzyka; ot istokov do vershin tvorchestva. Moskva, Izd-vo Akad. nauk SSSR, 1963. 271 p.

PICRITE see subdivision under Lesozavodsk region

PICTURE BOOKS FOR CHILDREN

Art that we need. B. Denisov. Doshk. vosp. 36 no. 7: 101-107 Jl '63.

Fairy tale about colors. V. Silant'eva. Sem'ia i shkola 10 no. 8:39 Ag '63.

PIERIDAE—EXTERMINATION

The pierid butterfly Aporia crataegi. E. G. Shcheglova. Zashch. rast. ot vred. i bol. 8 no. 9:36 S '63.

PIERS—SHOCK ABSORBERS

Korchagina, A. IA. [Fender buffer devices on ocean piers] Amortiziruiushchie otbojnye prisposobleniia dlia morskikh prichalov. Moskva, Izd-vo "Morskoi transport," 1963. 86 p.

PIEZOMETER

Measurement of the pushing-out electromagnetic force in a conductive fluid. U. TS. Andres. Izm. tekh no. 5:29-31 My '63.

PIGMENTS

Continuous method for the production of iron oxide red pigments in a furnace with traveling trucks. S. A. Malkin. Lakokras. mat. i ikh. prim. no. 4:56-60 '63.

Wetting of pigments. P. I. Ermilov. Lakokras. mat. i ikh. prim. no. 4:23-28 '63.

PIGMENTS—TESTING

Effect of the index of refraction and size of the particles of pigments on their covering power IU. IA. Bobyrenko Lakokras. mat. i ikh prim. no. 4:51-52 '63

PIKAS see subdivision under Aral Sea region; Kazakhstan; Trans-Ili Alatau

PIKE see subdivision under Tsimlyansk

PILING(CIVIL ENGINEERING)

Conditions for efficient tubular-pile driving with vibrators. F. M. Gadzhiev. Za tekh. prog. 3 no. 9:30-32 S '63.

Determining the supporting capacity of pipe piles with a soil bottom. G. V. Kanakov. Osn., fund. i mekh. grun. 5 no. 5:19-22 '63.

Driving piles into frozen ground with the help of a barlike device. S. Kosarev. Osn., fund. i mekh. grun. 5 no. 5:23 '63.

Pile foundations in swollen soils. E. A. Sorochan, E. S. Burov. Osn., fund. i mekh. grun. 5 no. 5:17-19 '63.

Moscow. Vsesoiuznyi institut po proektirovaniiu organizatsii energeticheskogo stroitel'stva "Orgenergostroi." [Piling operations in the construction of hydroelectric power stations] Shpuntovye raboty na stroitel'stvakh gidroelektrostantsii. Moskva, "Orgenergostroi," 1963. 39 p. (Iz opyta energeticheskogo stroitel'stva)
[MICROFILM]

Several problems concerning the erection of pile foundations. M. A. Sitnikov. Osn., fund. i mekh. grun. 5 no. 5.15-16 '63.

PILING (CIVIL ENGINEERING)—EQUIPMENT AND SUPPLIES

Semenchev, A. V. [Pile drivers for sinking reinforced-concrete piles] Mashiny dlia pogruzhenila v grunt zhelezobetonnykh svai. Moskva, Gosenergoizdat, 1963 46 p (Biblioteka elektromontera, no 95)

PILING (CIVIL ENGINEERING)—SAFETY MEASURES

Kosolapov, V. G. [Safety manual for piling operations] Tekhnika bezopasnosti na svainykh rabotakh Moskva, Gosstroiizdat, 1963. 50 p.

PILOCARPINE—PHYSIOLOGICAL EFFECT

Effect of pilocarpine on the accumulation of agglutinins in the blood of animals during immunization. M. S Suleimanian, I. IA. Averbukh. Trudy TashNIIVS 5 159-164 '62

Immunization reactivity in horses immunized with a diphtheriat anatoxin, effect of pilocarpine on the development of antitoxin in horses. A. N Nikol'skii and others. Trudy TashNIIVS 5:139-144 '62

PILONIDAL CYST

Some data on the distribution of pilonidal sinuses and their treatment. S. Z. Oganesian. Zhur. eksp. i klin. med. 3 no. 1.87-92 '63.

PILOTS AND PILOTAGE

Decisions of U. S. courts. Inform. sbor. TSNIIMF no. 56. Mor. pravo i prak. no. 12:65-66 '61.

PIMENOV, STEPAN STEPANOVICH, 1784-1833

Pimenov, S. S. [An album of the works of Stepan Stepanovich Pimenov] Stepan Stepanovich Pimenov, [al'bom.] Moskva, Gos. izd-vo izobraz. iskus. 1961. 1 v. (chiefly illus) (Mastera russkogo iskusstva) (MIU)

PINE
(see also subdivision under Alma-Ata, Altai Territory, Ural Mountain region; Virgin Territory)

Characteristics of the distribution of moisture in various parts of wood of the stem of Siberian pine. L. N. Isaeva. Trudy Inst. lesa i drev. 65:77-82 '63.

Distribution of Sr^{90} and Ru^{106} in the basic organs of pine. G. I. Makhonina and others. Dokl. AN SSSR 151 no. 6:1456-1457 Ag '63.

PINE—DISEASES AND PESTS see subdivision under Semipalatinsk; Ukraine; White Russia

PINK SALMON see subdivision under Barents Sea; White Sea

PIONEERS (COMMUNIST YOUTH)
(see also subdivision under Mongolia)

[Handbook for the Pioneers for the 1962/1963 school year] Pionerskii sputnik na 1962/1963 uchebnyi god. [Moskva] Mosk. rabochii, 1962. 78 p.

How to work with "Pionerskaia pravda." V. Paporov. Shkola-int. no. 4 60 Jl-Ag '63.

[Labor education of the rising generation] Trudovoe vospitanie podrastaiushchego pokoleniia, [sbornik] Moskva, Izd-vo Sovetskaia Rossiia, 1963 197 p. (Bibliotechka "V pomoshch' set'skomu kiubnomu rabotniku" no. 8)

Our children, the young Leninists. IU. Kolotilov. Sem'ia i shkola 18 no. 5 4-5, 10 My '63.

Korotun, L. G. [The pass is a red tie] Propusk - krasnyi galstuk. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauke, tekhnike. XI Seriia: Pedagogika, no. 15)

Sharp weapon of youth. Shkola-int. no. 4:76 Jl-Ag '63.

To a new frontier. V. Strunin. Nach. shkola 31 no. 9: 15-22 S '63.

PIOTROVSKII, GUGO LEONARDOVICH, 1887-1962

Gugo Leonardovich Piotrovskii; obituary. Min. sbor. no. 16:456-458 '62.

PIPE

Vatkin, IA. L., O. A. Pliatskovskii, and IU. I. Vashchenko. [Seamless tubes] Besshovnye truby; spravochnoe rukovodstvo dlia rabochikh. Moskva, Metallurgizdat, 1963. 179 p.

PIPE—HYDRODYNAMICS

Flow of thermoplastic melts in a cylindrical pipe. V. H. Lytvynov. Prykl. mekh. 9 no. 5:552-560 '63.

PIPE—WELDING

Power reasons in the selection of resistance flash welding of large-diameter pipe. V. S. Lifshits. Svar. proizv. no. 9:13-16 S '63.

PIPE, ALUMINUM

Mastering the production of drill pipes with inner tips made of the B95 alloy. V. M. Rozhkov and others. TSvet. met. 36 no. 8:79-84 S '63.

PIPE, GLASS

Apparatus for cutting and bending glass pipes. M. Ratushiak. Mekh. sil'. hosp. 14 no. 5:25-26 My '63.

PIPE, PLASTIC

Manufacture of water pipes of secondary polymer materials for agriculture. V. S. Il'tzitser and others. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:23-25 '63.

PIPE, STEEL

Depth of the zone affected by the oxygen cutting of 12KhMF steel alloy pipes. A. G. Ryss. Metalloved. i term. obr. met. no. 10 42-14 O '63.

Practice of flame scarfing of pipe blanks. S. A. Sharadzenidze, A. N. Borovkov, E. A. Svetlitskii. Stal' 23 no. 9:824-826 S '63.

PIPE, STEEL—CORROSION

Corrosion testing of the internal cavity of welded stainless steel pipes. V. B. Vladimirov, E. A. Suvorovskii, G. I. Agapov. Svar. proizv. no. 9:33-34 S '63.

PIPE, STEEL—STANDARDS

Standardization of the dimensions of pipes for the bearing industry. E. Sh. Dukhan, Iu. I. Vashchenko. Standartizatsiia 27 no. 9:16-18 S '63.

PIPE, STEEL—WELDING

Production of spirally welded pipe. S. A. Borisenko, L. F. Altyn-Pata. Stal' 23 no. 9:826-829 S '63.

Residual stress relief in welded 1Kh18N12T steel pipe. A. A. Minasarian. Metalloved. i term. obr. met. no. 9:15-51 S '63.

PIPE MILLS

(see also subdivision under Rustavi)

Adjustment of drives for pipe-rolling mills securing a steady rotation of rolls. P. I. Polukhin, I. N. Potapov, P. M. Finagin. Vest. mashinostr. 43 no. 9:18-21 S '63.

Designs for prefabricated buildings of pipe drawing mills. A. P. Molchanov, K. K. Nikulin, A. I. Titakov. Shor. trud. NII po stroi. ASiA (Sverd.) no. 8:17-28 '63.

Disseminate the practices of the progressive among the general mass of workers. P. Kravets, I. Vinnichenko. Metallurg 8 no. 9:39-40 S '63.

Machine for taking off thin-walled pipes from cores. K. N. Savel'ev, F. I. Khramtsov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:46-47 '63.

Moscow. Vsesoiuznyi institut po proektirovaniiu organizatsii energeticheskogo stroitel'stva "Orgenergostroi." [Norms for the expenditure of metal and pipe in the manufacture of nonstandard heat equipment and low-pressure pipelines for thermal electric power plants] Normy raskhoda prokata i trub na izgotovlenie nestandartnogo teplomekhanicheskogo oborudovaniia i truboprovodov nizkogo davleniia dlia teplovykh elektrostantsii. Utverzhdeny Tekhnicheskim upravleniem Ministerstva stroitel'stva elektrostantsii (Reshenie No. 167 ot 31 iiulia 1961 g.). Moskva, "Orgenergostroi" 1962. 230 p.

Shevakin, Iu. F., A. M. Rytikov, and F. S. Seidaliev. [Production of nonferrous metal pipes; technological calculations] Proizvodstvo trub iz tsvetnykh metallov, tekhnologicheskie raschety. Moskva, Metallurgizdat, 1963. 355 p.

Using a floating mandrel for the drawing of medium length carbon tubes. P. I. Orro, G. A. Savin. Stal' 23 no. 6:540-544 Je '63.

Tube drawing with self-centering mandrels on rectilinear-type mills. M. B. Blak, Z. A. Sominskii, V. V. Shveikin. Stal' 23 no. 6:536-540 Je '63.

PIPE MILLS—PNEUMATIC DRIVING

Redesign of electropneumatic distributers. A. F. Krisanov, L. L. Khatkov. Metallurg 8 no. 8:32-33 Ag '63.

PIPE MILLS—SAFETY MEASURES

Belotserkovskii, L. P., and G. M. Manafov. [Safety measures in pipe-rolling mills] Tekhnika bezopasnosti v truboprokatnom proizvodstve. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 73 p.

PIPELINE TRANSPORTATION OF SOLIDS

Apparatus for transporting free-flowing materials in pipelines without a conveying medium. A. IA. Polosukhin. Mekh. i avtom. v gor. prom. no. 3:191-197 '63.

Creating apparatus for transporting coal and rocks in pipes without a conveying medium. A. G. Frolov. Mekh. i avtom. v gor. prom. no. 3:180-191 '63.

PIPELINES

Calculation of the water hammer in pipelines. R. E. Trozian. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 4:79-72 '63.

Deformations of rocks and pipelines over underground mine workings. D. N. Aleksandrov. Trudy NPI 138:67-73 '63.

Stability of the laminar flow of a viscous dropping liquid in circular cylindrical pipes. L. I. Kudriashev, V. M. Golovin. Izv. vys. ucheb. zav., neft' i gaz 4 no. 3:107-112 '61.

Transport which... does not move. B. Zubkov, E. Muslin. Znan.-sila 38 no. 3:14-17 Mr '63.

We should define the legal status of land reserved for pipeline transportation. S. Dudnikov. Sov. iust. no. 15:17-18 Ag '63.

PIPELINES—CORROSION

Institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti. [Protection of pipelines from corrosion. Translated from the German and English] Zashchita truboprovodov ot korrozii. Moskva, 1962. 61 p. (Perevody NoNo 8-12/62 z k.)

[MICROFILM]

PIPELINES—DESIGN AND CONSTRUCTION

New type of pipe laying without ducts using insulation fill. V. M. Meshcheriakov, V. G. Zazumko. Trudy DIIT no. 36 38-42 '62.

PIPERAZINE

Effectiveness of piperazine salts in group dehelminthization of swine. O. J. Plann. Veterinariia 39 no. 9, 34-36 S '62.

PIRENNE, HENRI—1862-1935

Problem of West European commerce from the 9th through the 13th century in present-day western medievalistic studies; apropos of a discussion of Henri Pirenne's concepts. Iu. L. Bessmertnyi. Sred. vek no. 23:240-264 '63.

PIRICULARIA see subdivision under Krasnodar Territory

PIRILEN

Use of pirilen in treating hypertension patients [with summary in English]. S. V. Lebedev. Vrach. delo no. 7 21-25 Jl '63.

PIROPLASMOSIS

Treatment of cattle diseases caused by Francaiella colchica, Jakimoff, 1927 and Anaplasma marginale Theiler, 1911. I. L. Matikashvili, D. M. Gelovani, A. Arabian. Sbor. trud. Gruz. zootekh.-vet. nauch.-issl. inst. 32: 109-113 '61.

PISTON RINGS

Apparatus for measuring radial pressure diagrams of a piston ring. M. S. Rozovskii, O. P. Fedosov. Trakht. i sel'khozmash. 33 no. 9:38-41 S '63.

On the manufacture of graphite piston rings. L. S. Dvorskii, A. M. Aushev. Khim. mashinostr. no. 5 28-30 S-O '63.

PITUITARY BODY

Morphological and physiological examination of some cellular groups of the hypothalamo-hypophysial system following extirpation of the cerebral hemispheres. M. B. Nazarian. Zhur. eksp. i klin. med. 3 no. 2 3-9 '63.

PITUITARY BODY—BLOOD SUPPLY

System of intraorganic blood supply in the human epiphysis. F. A. Abdurakhmanov. Trudy Dush. med. inst. 57 no. 2:130-135 '62.

PITUITARY BODY—DISEASES

General pathomorphology of the hypophysis in autopsy material. B. I. Monastyrskaia. Trudy Dush. med. inst. 57 no. 2:5-21 '62.

PLACENTA

Removal of the placenta in cows. S. P. Vinogradov. Veterinariia 39 no. 11:60-61 N '62.

PLACER DEPOSITS

Methods of determining the content of minerals in placers. G. A. Sedova, A. A. Nifitin. TSvet. met. 36 no. 9:8-11 S '63.

PLAGUE see subdivision under Armenia

PLANE CURVES see Curves, Plane

PLANE GEOMETRY see Geometry, Plane

PLANETARIA

Bazykin, V. V., and I. F. Shevliakov. [Methods for using visual aids in astronomy] Metodika ispol'zovaniia nagliadnykh posobii po astronomii. Moskva, Izd-vo "Znanie," 1963. 37 p. (V pomoshch' lektoru)

PLANETS, MINOR

Life in interplanetary space. F. IU. Zigel'. Znan.-sila 38 no. 7:18-21 Jl '63.

PLANING MACHINES

The S-760 parquet planing machine. V. A. Volkov. Mekh. stroi. 20 no. 10:25 O '63.

PLANING MACHINES—ATTACHMENTS

Attachment for automatic lifting of the cutting-tool holder. V. A. Romanov. Mashinostroitel' no. 9:30 S '63.

PLANT BREEDING

[Abstracts]. Z. A. Kol'tsov and others. Vest. sel'khoz. nauki 8 no. 3:143-148 Mr '63.

A collective farm selectionist. Mariia Dabii. Ukraina no. 22:3 S '63.

Effectiveness of hybridization and the transmission of parent characters to the progeny from breeding material grown under various conditions. G. S. Turov. Vest. sel'khoz. nauki 8 no. 3:97-99 Mr '63.

[illegible] ist agrobiological theories] Za razvitie michurinskoi agrobiologicheskoi nauke, materialy ... Moskva, Sel'khozizdat, 1963. 350 p.

(DNAL)

PLANT BREEDING—CONGRESSES

Scientific conference on problems in controlled heredity of farm crops [with summaries in English, German, and French] Vest. sel'khoz. nauki 8 no. 3:8-10 Mr '63.

Tasks of the Scientific Conference on Controlled Heredity of Farm Crops. I. S. Varuntsian. Vest. sel'khoz. nauki 8 no. 3:11-12 Mr '63.

PLANT BREEDING—EXPERIMENTS

Plant growers. Mark Popovskii. Biol. v shkole no. 3 [illegible] 86 My-Je '63.

PLANT CELLS AND TISSUES

Discharge of substances from wheat leaves under increased dehydration as related to time [with summary in English]. P. S. Belikov, B. A. Gel. Izv. TSKhA no. 2 29-33 '63.

Experimental study of the variability of cell forms in root varieties of Pedinastrum boryanum (Turp.) Menegh. P. F. Gorlachev. Bot. zhur. 48 no. 8:1205-1207 Ag '63.

PLANT COMMUNITIES

Typology of the dominants of plant communities [with summary in English] Kh. Kh. Trass. Biul. MOIP, otd. biol. 68 no. 5 29-36 S-O '63.

PLANT DISEASES

Brief information. Zashch. rast. ot vred. i bol. 8 no. 2 53-57 S '63.

A necessary book. M. S. Levin. Zashch. rast. ot vred. i bol. 8 no. 4:61 Ap '63.

PLANT DISEASES—BIBLIOGRAPHY see Bibliography—Plant diseases

PLANT INTRODUCTION see subdivision under Balkhash Lake region

PLANT LORE

Stories about sacred plants and animals. Nauka i rel. 4 no. 5 10-11 My '63.

PLANT PHYSIOLOGY

Early stages of the formation of pigments in some plants. T. N. Godnev, E. F. Shabel'skaia. Dokl. AN BSSR 7 no. 6:114-117 Je '63.

[illegible]

khimichni osnovy pidvyshchennia produktyvnosti roslyn. pratsi. Kyiv, Derzhsil'hospvydav URSR, 1963. 459 p.

(DNAL)

PLANT PHYSIOLOGY—RESEARCH

Nauchnyi Sovet po probleme "Vnutrennie organizatsiia i energetika fiziologicheskikh protsessov u rastenii i ikh osnova ikh produktivnosti." [Basic prospective trends in the study of plant physiology] Osnovnye perspektivy napravlenila issledovanii po fiziologii rastenii. Moskva, 1962. 47 p.

[MICROFILM]

Centennial of the Department of Plant Physiology of the Moscow University. B. A. Rubin, S. S. Andreenko. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 5:71-73 S-O '63.

PLANT QUARANTINE

(see also subdivision under Latvia, Nakhodka; Vietnam, North)

Inspection workers exchange their experiences. E. I. Zashch. rast. ot vred. i bol. 8 no. 8:47-48 Ag '63.

PLANT TEMPERATURE

Temperature of plant leaves under natural conditions. Z. F. Slezenko. Dokl. AN BSSR 7 no. 8:551-556 Ag '63.

PLANTERS (AGRICULTURAL MACHINERY)

Making a single-row hand planter. E. Lesin. Shkola i proizv. 7 no. 9:88-90 S '63.

Modernization of the SKRN-12A planter. V. Basin, N. Kolesnikov. Tekh. v sel'khoz. 23 no. 3:51-52 Mr '63.

Planter-cultivator with vibrating furrow openers. A. Plugachev, V. Bykov. Tekh. v sel'khoz. 23 no. 2:48-50 F '63.

The SKN-6 seedling planting machine. A. P. Solomakhin. Mekh. sil'. hosp. 14 no. 4:28 Ap '63.

The SKVD-6 double-disk sowing apparatus for corn planters. A. N. Pugachev, V. V. Sergeev. Trakt. i sel'khozmash. 33 no. 4:32-33 Ap '63.

Seeding apparatus of the SL-4 planter. M. Viliatser. Tekh. v sel'khoz. 23 no. 3:49-50 Mr '63.

Sowing row crops with the SKRN-12 planter. V. Bidin, N. Kolesnikov, V. Sukachev. Tekh. v sel'khoz. 23 no. 2:53-57 F '63.

Statistical modeling of the process of sowing sugar beet seeds. E. V. Vevers, S. V. Kardashevskii. Trakht. i sel'khozmash. 33 no. 9 20-21 S '63.

PLANTERS (AGRICULTURAL MACHINERY)—MAINTENANCE AND REPAIR

Repairing the bottom of a planter. I. Muzhev, A. Aladʹev. Tekh. v selʹkhoz. 23 no. 2:79-80 F '64.

PLANTING TIME

Growth and photosynthesis of corn plants as related to various planting times. V. G. Suleimanov. Trudy Azerb. nauch.-issl. inst. zem. 12:89-96 '62.

PLANTS—ASSIMILATION

Dynamics of the accumulation and translocation of assimilates in corn. Z. G. Dudko. Dokl. AN BSSR 7 no. 7 477-480 Jl '63.

Effect of temperature on the uptake of mineral substances by plants [with summary in English]. V. V. Rachinskii. Izv. TSKHA no. 2 213-218 '64.

Akademiia nauk SSSR. Dalʹnevostochnyi filial. Vladivostok. [Physiology of soybean and potatoes in the Far East] Fiziologiia soi i kartofelia na Dalʹnem Vostoke. Moskva, Izd-vo Akad. nauk SSSR, 1963. 132 p. (DNAL)

Plant assimilation of ammonia nitrogen in connection with its exchange absorption and fixation by soil [with summary in English]. A. V. Peterburgskii, Iu. I. Korchagina. Izv. TSKHA no. 2:47-61 '63.

PLANTS—CHEMICAL ANALYSIS

Some data on the chemical study of Ziziphora bungeana. A. G. Palagutin. Izv. AN Kazakh. SSR. Ser. med. nauk no. 2 27-29 '63

PLANTS—FROST RESISTANCE

Comparative frost resistance of different species and varieties of strawberries. A. I. Saks. Izv. Sib. otd. AN SSSR no. 2 97-104 '62.

Controlled transformation of poorly wintering durum wheat, peas, and distichous barley into winter-hardy varieties. V. F. Khitrinskii. Vest. selʹkhoz. nauki 8 no. 3:31-34 Mr '63.

Determination of plasmatic permeability as a method for the evaluation of frost resistance of potatoes. Vl. V. Skripchinskii. Bot. zhur. 48 no. 8:1168-1172 Ag '63

Developing cold resistance and early ripening in cereals. M. M. Kisliuk. Vest. selʹkhoz. nauki 8 no. 3:95-97 Mr '63.

Developing winter-hardy winter wheats and cold-resistant corn. V. N. Orlov. Vest. selʹkhoz. nauki 8 no. 3:86-88 Mr '63.

Directed conditioning of corn for cold resistance. Z. I. Shchelokova. Vest. selʹkhoz. nauki 8 no. 3:41-42 Mr '63.

Effect of soil composition on the development of the traits of winter-hardiness in winter wheat. T. E. Dunʹshin. Vest. selʹkhoz. nauki 8 no. 3:93-96 Mr '63.

Significance of light at temperatures below freezing point in increasing the frost resistance of wheat. N. P. Panchenko. Vest. selʹkhoz. nauki 8 no. 3:38-40 Mr '63.

Some properties of the colloid system of plants, resistant and nonresistant to low temperatures. V. M. Anantina. Bot. zhur. 48 no. 8:1196-1200 Ag '63.

Transforming poorly wintering winter wheats into winter-hardy varieties. V. K. Karapetian. Vest. selʹkhoz. nauki 8 no. 3:75-77 Mr '63

Transforming the strain qualities of perennial leguminous grasses sown in summer as a method for developing winter-hardy varieties. V. M. Rabinovich. Vest. selʹkhoz. nauki 8 no. 3:36-38 Mr '63.

PLANTS—METABOLISM

Akademiia nauk SSSR. Institut fiziologii rastenii. [Water balance of plants as related to their metabolism and productivity] Vodnyi rezhim rastenii v sviazi s obmenom veshchestv i produktivnostʹiu. Moskva, Izd-vo Akad. nauk SSSR, 1963. 334 p.

PLANTS—NUTRITION

Foliar feeding of hops. V. M. Bondarenko. Nauk. pratsi Ukr. dosl. sta. khmel. no. 5:33-54 '61.

PLANTS—REPRODUCTION

Effect of frost on the formation of reproductive organs in spring wheat [with summary in English]. L. R. Petrova, S. N. Drozdov. Bot. zhur. 48 no. 8:1097-1107 Ag '63.

PLANTS—RESPIRATION

Study of triazine derivatives as growth regulators in plants. Report No. IV: Effect of simazine and atrazine on the change in intensity of the photosynthesis and respiration of plants. S. M. Mashtakov, R. A. Prokhorchik. Dokl. AN BSSR 7 no. 6:418-421 Je '63.

PLANTS—SOILLESS CULTURE

Soilless growing of feed. G. I. Gordienko. Shkola i proizv. 7 no. 9 58-61 S '63.

PLANTS—TRANSPIRATION

Water balance of some milk vetches of Kopet-Dag. I. A. Fanunova, A. A. Nikitin. Trudy Bot. inst. Ser. 5 no. 11 137-173 '63.

PLANTS—WATER REQUIREMENTS
(see also subdivision under Pamirs)

Availability of soil moisture to plants. V. P. Panfilov. Izv. Sib. otd. AN SSSR no. 2:90-96 '62.

Akademiia nauk SSSR. Institut fiziologii rastenii. [Water balance of plants as related to their metabolism and productivity] Vodnyi rezhim rastenii v sviazi s obmenom veshchestv i produktivnostʹiu. Moskva, Izd-vo Akad. nauk SSSR, 1963. 334 p.

PLANTS, CULTIVATED

Evolution of cultivated plants based on polyploidy [with summary in English]. P. M. Zhukovskii. Biul. MOIP Otd. biol. 68 no. 4 93-105 Jl-Ag '63

[Plant culture] Ref. zhur.: Rast. no. 20 O '63.

Ukrainsʹka respublikansʹka naukova konferentsiia molodykh uchenykh v haluzi fiziologii roslyn. 1st, 1962. [Physiological and biochemical principles underlying increase in the productivity of plants] Fiziologo-biokhimichni osnovy pidvyshchennia produktyvnosti roslyn, pratsi. Kyiv, Derzhsilʹhospvydav URSR, 1963. 458 p. (DNAL)

[illegible]

1st agrobiological theories] Za razvitie michurinskoi agrobiologicheskoi nauke, materialy. . . Moskva, Selʹkhozizdat, 1963. 350 p. (DNAL)

PLANTS, EFFECT OF COLCHICINE ON

Lysis of chromosomes and the blockade of the spindle. B. N. Sidorov, N. N. Sokolov. Biul. MOIP Otd. biol. 68 no. 5 78-91 S-O '63.

PLANTS, EFFECT OF COLD ON

Effect of frost on the formation of reproductive organs in spring wheat [with summary in English]. L. R. Petrova, S. N. Drozdov. Bot. zhur. 48 no. 8:1097-1107 Ag '63

PLANTS, EFFECT OF GASES ON see subdivision under Dnepropetrovsk

PLANTS, EFFECT OF INSECTICIDES ON

A valuable monograph. E. G. Berim. Zashch. rast. ot vred. i bol. 8 no. 1:61-62 Ap '63.

PLANTS, EFFECT OF IRON ON

Effect of iron on the yield of cotton [in Azerbaijan with summary in Russian]. Z. I. Mamedov. Trudy Azerb. nauch.-issl. inst. zem. 12:129-145 '62.

PLANTS, EFFECT OF LIGHT ON

Controlled transformation of heredity in plants under the effect of light conditions. S. S. Shain. Vest. selʹkhoz. nauki 8 no. 3:42-46 Mr '63.

Role of the temperature and light factors in the transformation of the nature of cotton. S. S. Sadykov. Vest. selʹkhoz. nauki 8 no. 3:128-131 Mr '63.

Significance of light at temperatures below freezing point in increasing the frost resistance of wheat. N. P. Panchenko. Vest. selʹkhoz. nauki 8 no. 3:38-40 Mr '63.

PLANTS, EFFECT OF MANGANESE ON

Effect of manganese on the yield and physiological activity of the leaves of the tops in young hop plants. Iu. V. Karabanov. Nauk. pratsi Ukr. dosl. sta. khmel. no. 5:77-81 '61.

Using manganese fertilizers for hops. H. S. Nalyvaiko. Nauk. pratsi Ukr. dosl. sta. khmel. no. 5:82-84 '61.

PLANTS, EFFECT OF PHOSPHORUS ON
(see also subdivision under Armenia)

Effect of various methods of introducing the superphosphate and humus mixture on the assimilation of phosphorus by corn. S. N. Ivanov, Z. A. Khapkina. Dokl. AN BSSR 7 no. 7 485-487 Jl '63.

PLANTS, EFFECT OF RADIATION ON

Using ionizing radiation to achieve controlled transformations. N. F. Batygin. Vest. selʹkhoz. nauki 8 no. 3:62-64 Mr '63.

PLANTS, EFFECT OF RADIOISOTOPES

Effect of radioactive isotopes on carbohy [in Azerbaijani with summary in Russi zitova. Trudy Azerb. nauch.-issl. inst 160 '62.

PLANTS, EFFECT OF SUCCINIC ACID O

Effect of the treatment of corn seed with and succinic acid on its productivity Zhur. 18 no. 8:1151-1160 Ag '63.

PLANTS, EFFECT OF TEMPERATURE

Effect of temperature on the uptake of m by plants [with summary in English]. Izv. TSKHA no. 2, 213-218 '63.

Role of the temperature and light fact formation of the nature of cotton. S. sel'khoz. nauki 8 no. 3:128-131 Mr '

Using variable temperatures in the bre barley. D. T. Timofeev. Vest. sel'kho 100-102 Mr '63.

PLANTS, EFFECT OF TRACE ELEME

Distribution of Sr^{90} and Ru^{106} in the b pine. G. I. Makhonina and others. Do no. 6:1456-1457 Ag '63.

Effect of boron, copper, and manganese on some physiological and biochemical processes and the yield of tobacco. T. B. Darkanbaev, Zh. Kalekenov. Vest. selʹkhoz. nauki [Kazakh.] 6 no. 7:26-33 Jl '63.

Effect of the treatment of corn seed with trace elements and succinic acid on its productivity. B. Sagatov. Bot. zhur. 48 no. 8:1151-1160 Ag '63.

PLANTS, EFFECT OF X RAYS ON

Lysis of chromosomes and the blockade of the spindle. B. N. Sidorov, N. N. Sokolov. Biul. MOIP Otd. biol. 68 no. 5 78-91 S-O '63.

PLANTS, FLOWERING OF

Biology of flowering and selection of santonin-rich forms of wormwood in the trans-Ili region. E. A. Belova. Trudy Alma-At. bot. sada 7 100-107 '63

PLANTS, ORNAMENTAL see subdivision under Alma-Ata

PLANTS, PROTECTION OF
(see also subdivision under Azerbaijan; Finland, Leningrad, Lithuania, Siberia, Tambov Province, Ural Mountain region)

Brief information. A. A. Natsvlishvili and others. Zashch. rast. ot vred. i bol. 8 no. 8:55-57 Ag '63.

Brief information. Zashch. rast. ot vred. i bol. 8 no. 4: 25, 53-55 Ap '63.

Contribution of scientists. V. M. Suslov, O. I. Tikhonov. Zashch. rast. ot vred. i bol. 8 no. 4:7-9 Ap '63.

Information and brief news. B. G. Botarskii and others. Zashch. rast. ot vred. i bol. 8 no. 4:56-59 Ap '63.

Local information. V. F. Palicm and others. Zashch. rast. ot vred. i bol. 8 no. 8:60-61 Ag '63.

Our common cause. Zashch. rast. ot vred. i bol. 8 no. 9: 1-2 S '63.

Questions and answers. Zashch. rast. ot vred. i bol. 8 no. 9 39 S '63.

Readers' letters. Zashch. rast. ot vred. i bol. 8 no. 4: 14 Ap '63.

Readers' letters. Zashch. rast. ot vred. i bol. 8 no. 8: 16 Ag '63.

With the feeling of responsibility for the entrusted work. A. S. Kuropatkin. Zashch. rast. ot vred. i bol. 8 no. 8: 2-5 Ag '63.

PLANTS, PROTECTION OF—BIBLIOGRAPHY see Bibliography—Plants, Protection of

PLANTS, PROTECTION OF—CONGRESSES

Serious talk. Zashch. rast. ot vred. i bol. 8 no. 4:4-6 Ap '63.

PLANTS, PROTECTION OF—ECONOMIC ASPECTS

Cost of agricultural production and plant protection. M. A. Glebov. Zashch. rast. ot vred. i bol. 8 no. 9:0 S '63.

PLANTS, PROTECTION OF—EXHIBITIONS

Visiting the stands of the "Agriculture" pavilion. E. A. Froliakina. Zashch. rast. ot vred. i bol. 8 no. 9:58-60 S '63.

PLANTS, PROTECTION OF—PERIODICALS

A necessary addition. P. P. Arkhangelʹskii. Zashch. rast. ot vred. i bol. 8 no. 8:62-63 Ag '63.

PLANTS, SEX IN

Change of sex in plants under the effect of external conditions. F. K. Teterev. Vest. selʹkhoz. nauki 8 no. 3:91-93 Mr '63.

Problem of the sexualization of fungi today. I. V. Sutovskaia. Bot. zhur. 48 no. 8:1181-1190 Ag '63

PLANTS, SPACE ARRANGEMENT OF

Effect of the density of stands on their productivity in spruce-whortleberry forest. V. I. Kravchenko. Les. khoz. 16 no. 3:11-13 Mr '63.

Effect of various density of plants on the yield of rice grown with transplantation. D. Kh. Mamedov. Trudy Azerb. nauch.-issl. inst. zem. 12:161-166 '62.

PLASMA (IONIZED GASES)

[illegible] plasma stream allowing for

719 - 838 O - 64 - 19

PLASMA (IONIZED GASES)—OPTICAL PROPERTIES

Applicability of the linear absorption method to nonuniform light sources. L. S. Fishman, G. G. Il'in. Opt. i spektr. 15 no. 3 400-404 S '63.

PLASMOPARA

Host species of Plasmopara on Compositae. N. S. Novotel'nova. Bot. mat. Otd. spor. rast. 16:73-83 '63.

PLASTERING see subdivision under Krasnoyarsk, Ust'-Kamenogorsk

PLASTIC BEARINGS

Selecting allowances and fits for casting bearings. V. A. Belov, B. I. Smirnov. Vest. mashinostr. 43 no. 9 39-41 S '63.

PLASTIC FILMS

(see also subdivision under Czechoslovakia)

Labkovskii, S. S. [Finishing particle boards with polyvinyl chloride films] Otdelka struzhechnykh plit polivinilkhloridnymi plenkami. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963. 55 p. (Derevoobrabotka) [MICROFILM]

Polyamide film PA-4 of longitudinal-transverse stretch forming. M. L. Dobrokhotova, G. M. Chesnenkov, A. V. Frinolina. Plast. massy no. 6 15-18 '63.

Use of hydrophilic polymers for obtaining the face layer of artificial leather with a protein fibrous base. G. M. Otopkov, S. V. Pavlov. Izv. vys. ucheb. zav., tekh. leg. prom. no. 4 26-33 '63.

Use of polychloroprene for the protection of the roadbed. Put' i put. khoz. 7 no. 7 46-47 '63.

PLASTIC FILMS—TESTING

Investigating the kinetics of the permeability to moisture of polymer films at variable drops of humidity. N. K. Baramboim, R. S. Malochuk. Izv. vys. ucheb. zav., tekh. leg. prom. no. 4 39-45 '63.

PLASTIC PIPE see Pipe, Plastic

PLASTIC SPRAYING

Plastic coatings in the repair of cranes. R. Rutt and others. Rech. transp. 22 no. 8:21-22 Ag '63.

PLASTIC SURGERY see Surgery, Plastic

PLASTICITY

Conditional limits of fluidity in experimental testing of various plasticity hypotheses. G. P. Zaitsev. Izv. Sib. otd. AN SSSR no. 2 110-111 '62.

Plastic properties of certain titanium alloys. L. P. Odinokova, V. P. Korzh, V. I. Shilov. Trudy Inst. met. UFAN SSSR no. 9 107-110 '62.

Plasticity condition in a shear line field. E. M. Makushok. Dokl. AN BSSR 7 no. 8 531-533 Ag '63.

PLASTICIZATION

Plasticization of rubber compounds with nitroparaffins and their derivatives. L. M. Kozlov and others. Trudy KKHTI no. 30 101-108 '62.

PLASTICIZERS

Foaming in nonaqueous solutions. Part 1: Selection of frothing agents for plasticizers [with summary in English]. O. G. Tarakanov, F. G. Eremina. Koll. zhur. 25 no. 5:596-599 S-O '63.

PLASTICS

(see also subdivision under United States)

Economic effectiveness of the introduction of plastics into the chemical machinery manufacture. P. K. Timoshenko. Khim. mashinostr. no. 5 32-34 S-O '63.

Economic efficiency of the use of plastics in the manufacture of home refrigerators. N. P. Kocherov, N. P. Fedorenko, N. M. Anichkina. Plast. massy no. 10:43-45 '63.

Experience in the use of plastics in construction. A. N. Nikolaev and others. Plast. massy no. 10, 58-59 '63.

Great advantage. Agitator no. 20 18-19 O '63.

Obtaining plastic and binding materials from fossil coals. E. M. Tarts, T. M. Eronovets, I. A. Andreeva. Khim. i tekh. topl. i masel 8 no. 2:24-27 F '63.

Plastic domes. S. Solov'ev, Iu. Aleksandrov. Arkhit. SSSR no. 5 10-15 '63.

Semenov, A. P., R. M. Matveevskii, and V. V. Pozdniakov. [Production technology and properties of fluoroplast-containing antifriction materials; basic principles of their manufacture] Tekhnologiia izgotovleniia i svoistva soderzhashchikh ftoroplast antifriktsionnykh materialov; osnovnye printsipy proizvodstva. Moskva, Izd-vo Akad. nauk SSSR, 1963. 62 p.

Some methods for calculating the service life of a plastic lining performing in aggressive liquids. N. S. Tikhomirova, V. N. Kotrelev. Plast. massy no. 10 36-38 '63.

Study of the performance of polyamide journal bearings. V. M. Shestakov. Plast. massy no. 8:44-47 '63.

Use of plastics in the agriculture of capitalist countries. L. N. Chernousova. Plast. massy no. 10, 63-65 '63.

Use of plastics in the electric equipment industry. V. P. Bashkevich, V. N. Kestel'man. Energ. i elektrotekh. prom. no. 3 76 Jl-S '63.

Use of plastics in the manufacture of food machinery. IA. V. Golovko. Khleb. i kond. prom. 7 no. 6:7-9 Je '63.

PLASTICS—BIBLIOGRAPHY see Bibliography—Plastics

PLASTICS—CONGRESSES

Conference on plastics. Stroi. mat. 9 no. 9 41 S '63.

PLASTICS—ELECTRIC PROPERTIES

Investigating the structure and properties of thermosetting electroconductive plastics. V. E. Gul', N. S. Maizel', A. A. Pasynskaia. Plast. massy no. 10 36-42 '63.

PLASTICS—MOLDING

Kosheveol, O. K., and D. D. Chegodaev. [Casting and molding of articles of polymeric-monomeric composition] Lit'e i formovanie izdelii iz polimer-monomernykh kompozitsii, stenogramma lektsii. Leningrad, 1963. 51 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia. Primenenie plastmass sinteticheskikh kauchukov i kremniiorganicheskikh soedinenii v mashinostroenii i priborostroenii)

Casting of polycarbonates under pressures. M. S. Akutin and others. Plast. massy no. 6, 26-29 '63.

Centrifugal molding of plastic parts. V. A. Vinogradov. Mashinostroitel' no. 8, 20 Ag '63.

New molding material melavoloknit. K. V. Lukina, L. M. Pesin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9, 21-22 '63.

Unit for heating plastics by contact. E. I. Fedorova. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:23 '63.

PLASTICS—PERIODICALS

Brief news. Plast. massy no. 6 73-75 '63.

PLASTICS—TESTING

Determining the deformation characteristics of plastics in bending. L. V. Kositskii. Plast. massy no. 10 53-54 '63.

Effect of the heating conditions of the sample on the value of the coefficient of linear expansion of plastics. V. S. Bil', V. E. Markovich. Plast. massy no. 10, 50-52 '63.

Effect of the nature of deformation and of the state of the surface of the sample on the elastic constants of the plastic monolith No. 1. I. N. Miroliubov and others. Plast. massy no. 6, 40-43 '63.

Method for evaluating the thermal aging of plastics. P. P. Dagaev. Plast. massy no. 6, 61 '63.

PLASTICS IN MEDICINE

Treatment of wounds with polyvinyl chloride film dressings in an outpatient clinic. R. Sh. Breitman. Ortop., travm. i protez. 24 no. 2 67-68 F '63.

PLASTICS IN SURGERY

Clinicohematological and morphological changes in a combination of lesions treated with a rapidly congealing plastic mass [with summary in English]. I. S. Kasianov and others. Vrach. delo no. 9, 84-88 S '63.

PLASTICS INDUSTRY

(see also subdivision under Leningrad)

Provide extensive sources of raw materials for the plastics industry. I. I. Porzhitskii. Plast. massy no. 10:1-2 '63.

We need engineers for the application of plastics. A. D. Mustafaev. Vest. vys. shkoly 21 no. 9, 21-23 S '63.

PLASTICS INDUSTRY—EQUIPMENT AND SUPPLIES see subdivision under Czechoslovakia; Kiev

PLASTICS INDUSTRY—VOCATIONAL GUIDANCE

Polymers as a replacement for metals. V. Zvereva, T. Kostogonova. Prof.-tekh. obr. 20 no. 7:17-18 Jl '63.

PLASTICS MACHINERY

Machine for molding polyamide articles. M. F. Stramous. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:25-27 '63.

Polishing plastic parts in a drum. E. I. Fedorova. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:29-30 '63.

Semiautomatic machine for cleaning plastic articles. V. A. Loskutov, M. M. Feigin, V. IA. Osinnykh. Mashinostroitel' no. 9:8-9 S '63.

The TP500A automatic molding machine for thermoplastics. N. I. Nafguz. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:36-38 '63.

PLATE GLASS

(see also subdivision under Germany, West)

Economic expediency in the production of window glass with improved strength. F. F. Vitman, V. P. Pukh. Stek. i ker. 20 no. 10:4-8 O '63.

PLATE TOWERS

Choosing the amount of fluid entrainment between plates in rectification columns. I. A. Aleksandrov, A. I. Skoblo. Izv. vys. ucheb. zav., neft' i gaz 4 no. 3 53-59 '61.

Problems of the hydraulics of overflow apparatus in plate columns. A. M. Khamdi, A. I. Skoblo, IU. K. Molokanov. Khim. i tekh. topl. i masel 8 no. 2:31-37 F '63.

PLATINUM

Adsorption of I131 tagged iodine on a platinum [illegible] G. Toth. Radiokhimiia 5 no. 1 111-116 '63.

PLATINUM COMPOUNDS

Compensation effect and the kinetic scale of [illegible] in complex compounds of platinum. [illegible] V. P. Kazakov. Izv. SO AN SSSR no. 7, [illegible] no. 2 20-26 '63.

Complex compounds of bivalent platinum with [illegible] L. M. Volshtein, L. S. Anokhova. Zhur. neorg. [illegible] no. 8:2053-2058 S '63.

Thermal decomposition of chlorides of [illegible] (II) cis-tetramines containing ammonia molecules amines in the inner coordination sphere. A. V. [illegible] V. G. Semina. Zhur. neorg. khim. 8 no. 9 [illegible] S '63.

PLATINUM OXIDES

Nature of surface platinum oxides formed during the anode discharge of hydrogen peroxide. V. I. [illegible] V. A. Lunenok-Burmakina. Dokl. AN SSSR [illegible] 1350-1359 Ag '63.

PLAY

Children's creative play on a kindergarten [illegible] Doshk. vykh. 24 no. 8:28-31 Ag '63.

Creativeness and inventiveness in play. [illegible] Doshk. vosp. 36 no. 7:51-54 Jl '63.

Games for the development of sound analysis [illegible] preparatory group children. O. Zhylitsova. [illegible] 24 no. 8 36-40 Ag '63.

Games of movement outdoors. D. Minskin [illegible] no. 4 56-60 Jl-Ag '63.

Gay folk games. V. L'vova. Doshk. vosp. [illegible] 111 Ag '63.

Play with sand and water. M. Ignatkina. [illegible] 36 no. 7:55-57 Jl '63.

PLEKHANOV, GEORGII VALENTINOVICH, 1857-1918

From the history of the international ties of the [illegible] tion of Labor" group. V. Paukova. [illegible] no. 3:9-16 Mr '63.

PLEURA—CANCER

Sarcoma of the lung and the pleura. E. P. [illegible] M. R. Rokitskii. Grud. khir. 4 no. 6, 94 [illegible] '63.

PLEURA—SURGERY

Decortication of the lung (with summary in [illegible] K. Karpinichan, Ts. Bogdan, K. Ivoman. [illegible] no. 3 30-35 Mr '63.

PLOSKIY TOLBACHIK VOLCANO

Eruption of the Ploskiy Tolbachik Volcano in [illegible] A. N. Sirin, A. I. Farberov. Biul. Vulk. sta. [illegible] '63.

PLOWING

(see also subdivision under Bashkiria)

Economic aspects of plowing at regular and [illegible] speeds. E. Ogiyzkov and others. Tekh. v sel'kh. 23 no. 3:57 Mr '63.

Theoretical problems in the mechanization of [illegible] vation in cutovers. E. I. Vlasov. Lesn. khoz. [illegible] 54-58 Ag '63.

Utilize efficiently plowing units. N. A. Vostrik[illegible] Samokhodskaia. Zemledelie 25 no. 8 [illegible] Ag '63.

PLOWS

Brush-breaker and bog plows. Trakt. i sel'khozmash. 33 no. 4:3 of cover Ap '63.

Friction of a plow. Agoston Papp. Traktor. i sel'khozmash. 33 no. 9:18-19 S '63.

Operating conditions of the electric drive of a [illegible] rope-haulage plowing unit [with summary in [illegible] Van Mao-khua [Wang Mao-kua]. Izv. Pekinsk. [illegible] 178 '63.

The PPG5-35 plow. V. Fribus. Tekh. v sel'khoz. 23 no. 3:39-42 Mr '63.

The PPN-0-35 semimounted eight-bottom plow. [illegible] T. Miagkov. Traktor. i sel'khozmash. 33 no. [illegible]

Plow bottoms with screw moldboards. N. I. [illegible] S. Mironiuk. Tekh. v sel'khoz. 23 no. 2:76 [illegible]

The RN-2 subsoiler. D. A. Glichelzon, A. P. [illegible] skii. Vest. sel'khoz. nauki [Kazakh.] 6 no. [illegible] '63.

Self-sharpening plowshares and cultivator sweeps. [illegible] Rabinovich, V. N. Vinokurov. Zemledelie 25 [illegible] 92 Ag '63.

PLUTONIUM

Extraction of tetravalent plutonium from nitric solutions with oxygen-containing extractants. V. [illegible] kin, P. N. Palei, A. A. Nemodruk. Radiokhimiia 5 no. 2:215-222 '63.

PLUTONIUM—ANALYSIS

Comparative study of reagents for the photometric determination of plutonium. A. A. Nemodruk, P. N. Palei, N. E. Kochetkova. Radiokhimiia 5 no. 3:345-347 '63.

PLUTONIUM—DECAY

Determining ($T_{\frac{1}{2}}$) Pu^{241} half-life period. R. B. [illegible] and others. Atom. energ. 15 no. 4:322-323 O '63.

PLYWOOD

Paste for covering defects in plywood I P Vinokurov. Der. prom. 12 no. 9 21 S '63.

PLYWOOD INDUSTRY see subdivision under Lvov

PNEUMATIC CONTROL

Experimental study of the movement of a coal dust cloud in a vertical pipeline. P. I. Kozhushko, A. E Sinoldyrev. Mekh i avtom. v gor. prom. no. 3, 61-68 '63.

PNEUMATIC CONTROL—EQUIPMENT AND SUPPLIES

Broido, N. F. [Devices of a unified pneumatic control system in automatic control circuits] Pribory pnevmaticheskoi unifitsirovannoi sistemy v skhemakh avtomatizatsii Moskva, Mashgiz, 1963 142 p

PNEUMATIC CONVEYING

Interplant pneumatic conveying. V. L. Buravlev. Spirt. prom. 28 no. 6, 22-24 '62.

Receiving and unloading KB pneumatic compartment lines A. Batalov. Mias. ind. SSSR 34 no. 1:48-49 '63

PNEUMATIC GAUGES

Precision of pneumatic devices for linear measurements A. IA. Rostovykh. Izm. tekh. no 5:10-12 My '63

PNEUMATIC MACHINERY

Pneumatic apparatus for introducing admixtures into sing melts. IU. M. Bratchenko, V. D. Gritsenko. Mekh. stroi. 20 no. 10:27 O '63.

PNEUMATIC-TUBE TRANSPORTATION

Rudenko, N. F., and F. A. Govorov. [Pneumatic tube transportation of documents and small articles in carriers (pneumatic post)] Pnevmotransport dokumentov i melkikh predmetov v patronakh (pnevmopochta) Moskva, Mashgiz, 1963. 130 p.

PNEUMONIA

Clinical characteristics of the course of postinfluenzal pneumonia in relation to the accompanying microflora [with summary in English]. Kh. K. Kumardinov. Vrach. delo no. 7:105-109 Jl '63.

Friedlander's pneumonia. A. M. Spivak, O. M. Kucher. Vrach delo no 8, 129-131 S '63.

Tetracycline for the treatment of bronchopneumonia in calves V. A. Lochkarev. Veterinariia 39 no. 11 72 N '62.

Zinc content in the blood and plasma of children with pneumonia. E. S. Gordei. Dokl. AN BSSR 7 no. 8:560-571 Ag '63.

PNEUMOPERITONEUM, ARTIFICIAL

Complication of pneumoperitoneum circumscribed by subdiaphragmatic peritonitis. A. I. Gerasimov, L. I. Gorovenko, P. I. Zhivatovskii. Vrach. delo no. 7, 132-133 Jl '63.

Development of pneumothorax as a result of therapeutic use of pneumoperitoneum. V. D. Gol'dshtein. Vrach. delo no. 7:133-135 Jl '63.

Diagnostic possibilities of pneumoperitoneum in the recognition of some diseases of the liver and gallbladder [with summary in English]. E. F. Fitsov Vest. rent. i rad. 38 no. 1 47-51 Ja-F '63

PNEUMOTHOROX

A case of spontaneous pneumothorax following a closed thoracic trauma. M. Z. Kaushanskii, L. M. Fishov. Zdrav. Kazakhstana 6 no. 2:56-57 Mr-Ap '63

Development of pneumothorax as a result of therapeutic use of pneumoperitoneum. V. D. Gol'dshtein. Vrach. delo no. 7:133-135 Jl '63.

POACHING

Struggle against poaching is a concern for the entire community. N. Korovlakov. Rad. pravo no. 3, 44-45 My-Je '63.

PODKAMENNAYA TUNGUSKA VALLEY—METEORITES

Vasil'ev, N., and others. [On the trail of the Tunguska catastrophe] Po sledam Tungusskoi katastrofy. [Tomsk] Tomskoe knizhnoe izd-vo, 1960 157 p. [MICROFILM]

PODOL'NYI, NIKOLAI DANILOVICH, 1912-

Reward posthumously to the living. M. L'vov. Sov. voin 45 no. 18:14-15 S '63.

PODZOL

(see also subdivision under Polesye; Ural Mountains)

Cultures of Siberian larch on turfy-podzolic soils. V. N. Gabeev. Izv. Sib. otd. AN SSSR no. 2:105-109 '62.

POETRY—HISTORY AND CRITICISM

What is poetry and how to understand verse (to be continued). Leonid Vysheslavskyi. Nauka i zhyttia 13 no. 7:56-56 Jl '63.

POISON SUMAC

Dermatitis caused by poison sumac [with summary in English]. G. A. Sturua. Vest. derm. i ven. 37 no. 2: 51-53 F '63.

POKROVSKII, MIKHAIL NIKOLAEVICH, 1868-1932

M. M. Pokrovskii, our outstanding historian and public figure, on the 95th anniversary of his birth M. K. Koval' Ukr. ist. zhur. 7 no. 4 124-125 Jl-Ag '63.

Outstanding educator. Z. Ravkin. Sem'ia i shkola 18 no. 8:11 Ag '63.

POLAND—ARMY

Polish People's Army is 20 years old. W. Jaruzielski. Komm. Vooruzh. Sil 3 no. 18 74 S '63

POLAND—CERAMICS

Rapid slip casting of ceramics. Stek. i ker. 20 no. 10: 47-48 O '63.

POLAND—COLOR IN INDUSTRY

Color scheme in the industry of the Polish People's Republic. I. Kupczyk-Lewin. Sots. trud 8 no. 9 130-131 S '63.

POLAND—DESCRIPTION AND TRAVEL

Ten days in Poland. K. Chernenko. Sov. deput. trud. no. 6:105-109 Je '63.

POLAND—DESIGN, INDUSTRIAL

A law for assembly-line production IU Solov'ev Nauka i zhizn' 30 no. 5:36-41 My '63.

POLAND—ECONOMIC CONDITIONS

Ten days in Poland. K. Chernenko. Sov. deput. trud. no. 6:105-109 Je '63.

POLAND—EDUCATION—PERIODICALS

Problems causing teachers' concern in Poland. M. Cherpinskyi. Rad. shk. 42 no. 5:102-104 My '63.

POLAND—FOREIGN RELATIONS—CZECHOSLOVAKIA

The "great" and "petty" policy of Josef Beck. V. S. Parsadanova. Vop. ist. 38 no. 9:151-153 S '63.

POLAND—HISTORIOGRAPHY

Present-day Polish historiography of modern and recent history. K. Grunevskii. Vop. ist. 38 no. 9:180-194 S '63.

POLAND—HISTORY

Revolutionary work of Polish workers repatriated from the land of the Soviets, 1918. P. M. Kalenychenko Ukr. ist. zhur. 7 no. 4:65-72 Jl-Ag '63

POLAND—MANUFACTURES

There is a great interest in Polish export goods. V. Kruchina. Vnesh. torg. 43 no. 9 11-12 '63.

POLAND—MARITIME LAW

Investigation of marine accidents in Poland and the German Democratic Republic. A. IA. Vorokhobskii, A. L. Kolodkin. Inform. sbor. TSNIIMF no. 58, Mor. pravo i prak. no. 12:26-36 '61.

Polish legislative enactments in the field of maritime law. Inform. sbor. TSNIIMF no. 72, Mor. pravo i prak. no. 10:47-49 '62.

The Polish People's Republic; contracts and requirements for the towage of ships. Inform. sbor. TSNIIMF no. 49, Mor. pravo i prak. no. 9:62-67 '60.

POLAND—MOSQUITOES

Occurrence and distribution of Culicidae in the maritime forest belt [with summary in English]. B Skerska. Med. paraz. i parazit. bol. 32 no. 1:77-83 Ja-F '63.

POLAND—PROTEINS—RESEARCH

Mysteries of proteins M. Korolevo. Nauka i zhyttia 13 no 7 48-49 Jl '63.

POLAND—REPRESENTATIVE GOVERNMENT AND REPRESENTATION

A valuable study on the representative system of the Polish People's Republic. B. S Gromakov, N. A. Seleznev. Vest. Mosk. un. Ser. 10 Pravo 18 no. 3:73-75 Jl-S '63.

POLAND—REVOLUTION, 1863-1864

A session devoted to the centenary of the Polish Rebellion. IU. L Ukr. ist. zhur. 7 no. 4 156 Jl-Ag '63.

POLAND—STATISTICS—YEARBOOKS

[Concise statistical yearbook of the Polish People's Republic for 1963] Kratkii statisticheskii ezhegodnik Pol'skoi Narodnoi Respubliki, 1963. Varshava, Izd-vo TSentral'nogo stat. upr., 1963. 214 p.

POLAND—TELEVISION—EQUIPMENT AND SUPPLIES

Polish television equipment. Tekh. kino i telev. 7 no. 9, 93 S '63.

POLAND—THEATER

Gershkovich, A. A. [Theater of our friends] Teatr nashikh druzei Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. VI Serila: Literatura i iskusstvo, no 18)

POLAND—TOWING

The Polish People's Republic; contracts and requirements for the towage of ships. Inform. sbor. TSNIIMF no. 49, Mor. pravo i prak. no. 9:62-67 '60.

Terms and conditions of the towage of seagoing vessels adopted by the Polish Board of Foreign Trade. A. IA. Vorokhobskii. Inform. sbor. TSNIIMF no. 49, Mor. pravo i prak. no. 9, 22-26 '60.

POLARIZATION (ELECTRICITY)

Changes in electret polarity. IA. I. Khanderek Fiz. tver. tela 5 no. 9 2517-2525 S '63.

Polarization of ferroelectrics by short electric pulses K N Karman Kristallografiia 8 no 5 729-732 S-O '63

Statistical method of studying repolarization in ceramic ferroelectrics A V Turik. Fiz. tver. tela 5 no 9 2406-2408 S '63.

POLARIZATION (LIGHT)

New method for determining the relaxation time of the anisotropy and modulation of light in Kerr's cell. L. L. Rabelinskii. Zhur. eksp. i teor. fiz. 45 no. 3 822-824 S '63.

Radio wave emission due to modulation of an intense light beam in a medium [with summary in English]. G. A. Askar'ian. Zhur. eksp. i teor. fiz. 45 no. 3:643-646 S '63.

POLARIZATION (NUCLEAR PHYSICS)

Effect of the dimensions of the residual nucleus on particle polarization in electron bremsstrahlung and pair formation. F. S. Sadykhov. Izv. AN Azerb. SSR Ser fiz.-mat. i tekh. nauk no. 2:55-59 '63.

Measurement of the polarization of C^{12} + 6 Mev. protons scattered on aluminum. F. Asfur and others Vest Mosk un Ser. 3 Fiz., astron 18 no 5 8-10 S-O '63

Polarization phenomena in the scattering of π^--mesons on nucleons, and the fermion Regge poles [with summary in English]. M. P. Rekalo. Zhur. eksp. i teor. fiz. 45 no. 3:595-598 S '63.

POLAROGRAPHY

Application of the method of oscillographic polarography with sinusoidal voltage to the study of the processes of oxidation and reduction of vanadium on a mercury dropping electrode. V. I. Gorokhovskaia Trudy KKHTI no. 30 185-192 '62.

Determination of oxygen tension in the myocardium by polarography. M. IA Khodas and others. Pat. fiziol i eksp. terap 7 no 2 73-76 Mr-Ap '63.

Fast-dropping polarographic capillaries. I. E. Bykov. Izv. Sib. otd. AN SSSR no. 2 81-89 '62.

POLESSK DISTRICT—PUBLIC HEALTH

Unified system of public health service in a consolidated rural district. A. B Etter. Zdrav. Ros. Feder. 7 no. 8:17 Ag '63.

POLESYE—BEANS

Effectiveness of mixed corn and forage bean plantations. A. H. Mykhalovs'kyi, V. P. Hudz'. Visnyk sil'hosp. nauky 6 no. 9:65-67 '63.

POLESYE—CORN (MAIZE)

Cultivation practices for large corn crops in Polesye A. K. Boskravnyi Nauk. pratsi Ukr. nauk-dosl. inst zem. 12 83-90 '62

Effectiveness of mixed corn and forage bean plantations. A. H. Mykhalovs'kyi, V. P. Hudz'. Visnyk sil'hosp. nauky 6 no. 9 65-67 S '63.

POLESYE—CORN (MAIZE)—FERTILIZERS AND MANURES

Effect of fertilizers on the development, biochemical processes, yield, and quality of corn in the Podzolic soils of Polesye. O. I. Kolosha. Nauk. pratsi Ukr. nauk-dosl. inst. zem. 12 51-61 '62

Effect of fertilizers on the yield of corn and its quality in the southern Ukrainian Polesye. M. D. Novyts'kyi Nauk. pratsi Ukr. nauk-dosl. inst. zem 12 131-134 '62

Effect of liquid nitrogen fertilizers on the yield and quality of corn in turf-Podzolic soils of the Ukrainian Polesye O. M. Vyshyns'kyi Nauk. pratsi Ukr. nauk-dosl. inst zem 12 95-100 '62

Effect of peat-manure composts on the yield of corn. O. M. Vyshyns'kyi. Nauk. pratsi Ukr. nauk-dosl. inst. zem. 12 108-113 '62

POLESYE—CORN (MAIZE)—VARIETIES

Productivity of some corn varieties and hybrids grown for ensilage purposes in the southern Ukrainian Polesye. M. D. Novyts'kyi. Nauk. pratsi Ukr. nauk-dosl. inst zem 12 135-141 '62

POLESYE—HOPS—FERTILIZER AND MANURES

Effect of joint placement of organic fertilizers, superphosphate, and lime on the hop yield. H. S. Naiyvaiko. Nauk. pratsi Ukr. dosl. sta. khmel. no. 5:30-32 '61.

POLESYE—HYBRID CORN

Hybrid corn for the Ukrainian Polesye. P. I Oseledets. Nauk. pratsi Ukr. nauk-dosl. inst zem 12, 142-149 '62.

POLESYE—LUPINE

Efficiency of growing perennial lupine in Polesye. M. Bozhenok. Ekon. Rad. Ukr. no. 5:64-67 S-O '63.

POLESYE—PODZOL

[illegible]

POLESYE—POTATOES—DISEASES AND PESTS

[illegible]

POLESYE—SEDIMENTS (GEOLOGY)—ANALYSIS

[illegible]

POLESYE—URANIUM

Uranium in turf-Podzolic soils of the central Belorussian areas of the White Russian Polesye. S. V. Tikhonov. Dokl. AN BSSR 7 no. 6 405-408 Je '63.

POLESYE—WATER—COMPOSITION

Some features of the formation of the chemical composition of the water of the Polesye lowland in the White Russian S.S.R. P. I. Lukashev, V. L. Zinchenko and others. Dokl. AN BSSR 7 no. 7 470-473 Jl '63.

POLETAEV, NIKOLAI GOR'EVICH

First book about N. G. Poletaev. [illegible] Spets. no. 10 41 O '63.

POLICE

Decision of the plenary session of the Supreme Court of the U.S.S.R. Sov. iust. no. 16 22-27 Ag '63.

POLIOMYELITIS

Activity of holinesterase in different tissues of white mice in experimental poliomyelitis. L. V. Dubinskaia, R. A. Ibragimova. Patol. fiziol. i eksp. terap. 7 no. 2 70-71 Mr-Ap '63.

POLITICAL CRIMES AND OFFENSES see subdivision under Great Britain

POLITICAL PRISONERS see subdivision under Greece

POLITICAL PRISONERS, SPANISH

Angela Grimau speaks. What is being plotted against Ramon Ormazabal? Vsem prof. izh. no. 7/8 34 Jl-Ag '63.

POLITICAL SCIENCE

In the confusion of feelings. I. A. Viktorov. Mir ekon. i mezhdunar. otn. no. 9 143-147 '63.

New books published abroad. Mir. ekon. i mezhdunar. otn. no. 9 156-157 '63.

POLITICAL SCIENCE—METHODOLOGY

Subject-matter, method, and structure of the history of political science. A. V. Rybin. Uch. zap. Perm. gos. un. 35 no. 1 135-141 '62.

POLKANOV, ALEKSANDR ALEKSEEVICH, 1888-1963

Aleksandr Alekseevich Polkanov; obituary. Izv. AN SSSR Ser. geol. 28 no. 9 99-101 S '63.

POLLEN—MORPHOLOGY

Morphology of pollen grains of the genus Claytonia Gronov and related genera. L. A. Meshina. Bot. zhur. 48 no. 8, 1191-1196 Ag '63.

POLO see subdivision under Azerbaijan

POLONIUM

Adsorption of polonium by glass and paper filters in the presence of salts. L. E. Starik, B. S. Kuznetsov, N. I. Ampelogova. Radiokhimiia 5 no. 3 304-311 '63.

POLONIUM—SAFETY MEASURES

Parkhomenko, G. M. [Work by mass in the [illegible]

Polyamide film PK-4 of longitudinal-transverse stretch forming. M. L. Dobrokhotova, G. M. Chesnenkov, A. V. Ermolina. Plast. massy no. 6 15-18 '63.

Use of hydrophilic polymers for producing the face layer of artificial leather with a protein fiber base. Report No. 1. Increasing the elasticity of films with an AK-60/40 polyamide base by means of the addition of methylol polyamide and salts of trivalent chromium. G. M. Otopkov, S. A. Pavlov. Izv. vys. ucheb. zav., tekh. leg. prom. no. 2 40-47 '63.

POLYETHYLENE

Insertion appliances of polyethylene in bone defects. L. E. Rukhman, T. P. Rakova and V. I. Khapman. Ortop. i travm. i protez. no. 1 77-80 '63.

Phosphorylation of polyethylene. E. V. Kuznetsov, R. S. Devitaeva. Trudy KKHTI no. 30 63-69 '62.

POLYMERIZATION

Constructors of molecules. S. Laine. Znan.-sila 38 no. 3 2-3 Mr '63.

Copolymerization of 1,3-butadiene with 2,3-dimethyl-1,3-butadiene in the presence of various ion-type catalysts. L. S. Bresler and others. Dokl. AN SSSR 151 no. 6 1322-1325 Ag '63.

Free-radical polymerization of triazine cycles. A. N. Pravednikov and others. Dokl. AN SSSR 151 no. 6 1347-1349 Ag '63.

Obtaining chemically uniform copolymers. S. V. Zlatina, V. N. Levin. Plast. massy no. 10 3-7 '63.

Polymerization of diene acetals, divinyl-allylvinyl- and diallylacetal. K. Sultanov, I. A. Arbuzova. Uzb. khim. zhur. 7 no. 4 58-63 '63.

Radiation grafting of vinyl monomers to polyolefin fibers. U Zhun-zhun [Wu Jung-jui] and others. Khim. volok. no. 5 12-15 '63.

Reactions involved in the copolymerization of α-chloroacrylic esters with acrylonitrile. M. A. Askarov, U. M. Muratova. Uzb. khim. zhur. 7 no. 4 53-57 '63.

Synthesis of polyesters based on trivalent phosphorus acids by condensation polymerization at the interface. E. V. Kuznetsov, I. M. Shermergorn, V. A. Beliaeva. Trudy KKHTI no. 30 70-76 '62.

POLYMERS

Kozlov, P. V., ed. [Adhesion of polymers] Adgeziia polimerov, sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 142 p.

Atoms close the ranks. Boris Semenov. Smena 40 no. 15 26 Ag '63.

Constructors of molecules. S. Laine. Znan.-sila 38 no. 3 2-3 Mr '63.

Effect of intermolecular interaction on the strength of vitreous polymers. A. I. Gubanov, A. D. Chevychelov. Fiz. tver. tela 5 no. 9 2599-2608 S '63.

Effect of the artificial soil aggregation agent K-4 on gray desert soils having different degrees of dispersity. E. A. Aripov and others. Uzb. khim. zhur. 7 no. 4 35-40 '63.

Effect of the properties of the polymer on the physicomechanical properties of polyacrylonitrile fibers. N. M. Bedel, A. B. Pakshver. Khim. volok. no. 5 9-12 '63.

Effective heat of decomposition of addition polymers. Iu. A. Dushin. Plast. massy no. 6 11-12 '63.

Evaluation of the possibilities of treating polycarbonates. N. Gol'denberg. Plast. massy no. 6 29-32 '63.

Preparation of graft copolymers. Copolymers of polytetrafluoroethylene with methyl methacrylate. V. V. Korshak, K. K. Mozgova, T. M. Babchinitser. Dokl. AN SSSR 151 no. 6 1332-1334 Ag '63.

Problems in the mechanics of packing of powdered polymers. V. P. Lebedev, L. B. Shtarkman, S. A. Arzhakov. Plast. massy no. 6 32-37 '63.

Rheology of polymers, microviscosimeter for polymer melts. I. V. Komukh, G. V. Vinogradov, A. A. Konstantinov. Plast. massy no. 10 48-49 '63.

Solidification of soluble polymers based on acrylic polyesters. T. E. Lipatova, V. A. Budnikova. Dokl. AN [illegible] 537 Ag '63.

[illegible]ter of acrylonitrile and diketone. [illegible]A. Rogovin. Khim. volok. no. 5 2-5

[illegible]phorus stabilizers of polymers. Kirpichnikov, L. G. Tokareva. [illegible] 8-62 '62

[illegible]TIONS

[illegible] for the development of efficient [illegible] materials. Plast. massy no. 6

[illegible]IES

[illegible]auchnyi Sovet po vysokomoleku- [Foreign industrial polymeric [illegible]ponents; a glossary and hand- [illegible]myshlennye polimernye mate- [illegible]tolkovyi slovar-spravochnik. [illegible]auk SSSR, 1963. 429 p.

PROPERTIES

[illegible]sses of the copolymers of tetra- [illegible]fluorine-containing monomers. [illegible]a. Plast. massy no. 10 8-10

POLYMERS—SPECTRA

Nuclear magnetic resonance spectra and structure of oligomers of 1,3-cyclohexadiene. A. S. Khachaturov and others. Dokl. AN BSSR 7 no. 7 459-461 Jl '63.

POLYMERS—TESTING

Determination of the temperature limits for applicability of polymeric materials in machinery manufacture. V. V. Savarenskii. Plast. massy no. 6 65-68 '63.

Machines and apparatus for testing polymeric materials. A. E. Omel'ianov. Plast. massy no. 6 51-57 '63.

POLYMERS, EFFECT OF RADIATION ON

Diffusion and relaxation of proton spin in irradiated polyethylenes. G. R. Khutsishvili. Fiz. tver. tela 5 no. 9 2713-2714 S '63.

POLYMORPHISM

Polymorphism of benzene films on mercury [with summary in English]. Z. M. Zorin. Koll. zhur. 25 no. 5 621-625 S-O '63.

Polymorphism of In_2Se_3. G. K. Slavnova. Zhur. neorg. khim. 8 no. 10 2217-2221 O '63.

POLYMYXINS

Study of the inactivation of polymyxin M [with summary in English]. A. B. Sliaev and others. Antibiotiki 7 no. 7 638-643 Jl '62.

POLYNOMIALS

Some extremum problems in the class of polynomials and rational functions. D. I. Mamedkhanov. Dokl. AN SSSR 151 no. 6 1277-1279 Ag '63.

Some properties of classical polynomials and their uses in contact problems. G. IA. Popov. Prikl. mat. i mekh. 27 no. 5 821-832 S-O '63.

POLYPHENYLS—SPECTRA

Spectroscopy of frozen crystalline solutions of biphenyl, polyenes and polyphenyls. Part 2. G. V. Gobov. Opt. i spektr. 15 no. 4 367-370 S '63.

POLYPLOIDY

Evolution of cultivated plants based on polyploidy [with summary in English]. P. M. Zhukovskii. Biul. Mosk. Otd. biol. 68 no. 4 93-106 Jl-Ag '63.

Moscow. Glavnyi botanicheskii sad. [Hybrids of remote crossings and polyploids] Gibridy otdalennykh skreshchivanii i poliploidy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 202 p. (DNAL)

POLYPORACEAE

(see also subdivision under Soviet Far East)

Rare and new species of Polyporaceae in the U.S.S.R. A. S. Bondartsev. Bot. mat. Otd. spor. rast. 16:111-125 '63.

POLYPROPYLENE

Polymerization of 1-nitro-1-propylene. L. M. Korolev, L. D. Drabkina, V. I. Burmistrov. Trudy KKHTI no. 30 109-115 '62.

POLYSACCHARIDES

Experimental study of the antitumor action of some substances of natural origin [with summary in English]. A. S. Ermol'eva and others. Antibiotiki 7 no. 7 571-581 Jl '62.

POLYZOA, FOSSIL

(see also subdivision under Altai Mountains)

Fenestrallidae, a new family of Fenestelloidea. I. P. Morozova. Paleont. zhur. no. 3 78-83 '63.

PONTOON BRIDGES

Erecting a bridge in winter from the infantry-support tank unit supply depot. D. Prokof'ev. Voen. vest. 42 no. 11 91-92 N '62.

Your decision, pontoon bridge company commander? Voen. vest. 42 no. 11 93 N '62.

POPLAR

(see also subdivision under Chernigov Province; Kharkov region; Kazakhstan; Leningrad; Soviet Central Asia; Tatar A.S.S.R.; Ukraine)

Fast-growing stands and soil fertility. V. S. Shimanov. Les. khoz. 16 no. 7 60-65 Jl '63.

POPLAR—VARIETIES see subdivision under Amur Province,

POPOV, ALEKSANDR SERAFIMOVICH, 1863-1949

Example of an honorable service to people. V. A. Sinitskii. Neftianik 8 no. 2 32 F '63.

POPOV, GEORGII MIKHAILOVICH, 1905-1963

Georgii Mikhailovich Popov; obituary. Kristallografiia 8 no. 5 818 S-O '63.

POPOVICH, PAVEL ROMANOVICH, 1930-

Visiting with my home town friend, the astronaut. L. Harynetkyi. Znan. ta pratsia no. 3 15 Mr '63.

POPPY see subdivision under Alakul' Depression

POPULATION

Marxism-Leninism on the role of the growth of the population in social development and the nature of demographic laws. V. I. Kupriyanov. Uch. zap. Perm. gos. un. 25 no. 1 23-40 '62.

PORCELAIN see subdivision under Krasnodar

PORCELAIN, RUSSIAN

Clay and hands. F. Mar. Znan.-sila 38 no. 3:54-55 Mr '63.

POROUS MATERIALS—TESTING

Selection of characteristic dimensions for porous metals. V. I. Goldobeev, S. A. Druzhinin. Trudy KAI no. 66:63-72 '61

PORPHYRITES see subdivision under Ural Mountains

PORT DISTRICTS—FINANCE see subdivision under Moscow

PORTABLE ELECTRIC LAMPS see Electric lamps, Portable

PORTAL HYPERTENSION

Importance of dilatation of the esophageal veins in portal hypertension [with summary in English]. M. A. Ashirov, G. F. Kurlishkam. Vest. rent. i rad. 38 no. 1 41-44 Ja-F '63.

Dilatation and reabsorption process in the kidneys after splenectomy in portal hypertension [with summary in English]. M. M. Litvak. Pat. fiziol. i eksp. terap. 7 no. 1 76-81 Ja-F '63.

Portal hypertension of hepatic origin combined with thrombosis in the portal vein system [with summary in English]. L. S. Matveeva, V. P. Gorbatenko. Vest. rent. i rad. 38 no. 1 34-40 Ja-F '63.

PORTUGAL—COLONIES—AFRICA see Africa—Portuguese colonies

PORTUGAL—POLITICS AND GOVERNMENT

Portugal: its present and future. The Salazar regime and the national interests of the country. Joao Alves. Vest. mn. prof. dvizh. no. 9 17-21 S '63

POSITION FINDERS

Training field for artillery reconnaissance scouts. A. V. Lobanov. Voen. vest. 12 no. 11:70-72 N '62.

POSTAGE STAMPS see subdivision under Turkey; Ukraine; Yemen

POSTAGE STAMPS—COLLECTORS AND COLLECTING

Subscription service for stamp collectors. P. Timofeev. Sov. torg. 15 no. 6:37-38 Ag '63.

POSTAGE STAMPS—TOPICS see subdivision under Guinea

POSTAL CARDS—COLLECTORS AND COLLECTING

Picture gallery at home. V. Bogdanov. Kul't. i zhizn' 7 no. 8 46-47 '63.

POSTAL SERVICE
(see also subdivision under Bol'shaya Murta District; Leningrad)

Use of containers for shipping mail on steamship routes. I. N. Akumchuk. Vest. svyazi 23 no. 9:18 S '63.

POSTAL SERVICE—EQUIPMENT AND SUPPLIES

Better use of postal equipment in telecommunication enterprises. I. IA. Klobukov. Vest. svyazi 23 no. 9:19-20 S '63.

POSTERS

Improve the quality of placards. M. Kondrat'ev. Tekh. v sel'khoz. 23 no. 3:30-31 Mr '63.

The ringing words of the posters. IA. Filipchenko. Agitator no. 20:30-31 O '63.

Demonstenova, G. L., A. IU. Nurok, and N. I. Shantyko [Soviet political posters] Sovetskii politicheskii plakat. Pod obshchel red. T. Kaloshina. Moskva, Izd-vo "Iskusstvo," 1962. 441 p., illus.

POSTOPERATIVE CARE

Prevention and treatment of postoperative intestinal paresis. V. G. Vail'ter, IU. F. Chichkov, E. M. Shepting-khina. Vest. khir. 90 no. 3 112-116 Mr '63

POTAMOGETONACEAE, FOSSIL see subdivision under Siberia, Western

POTASH INDUSTRY—FINANCE see subdivision under Solikamsk

POTASSIUM—SPECTRA

Determining the effective excitation cross sections of resonance lines of potassium atoms. L. M. Volkova, A. M. Deviatov. Izv. AN SSSR. Ser. fiz. 27 no. 8:1052-1055 Ag '63.

POTASSIUM BROMIDE

Secondary electron emission from KBr films. M. V. Gomelunova. Fiz. tver. tela 5 no. 9:2538-2543 S '63.

POTASSIUM CHLORATE

Thermochemical study of the reduction of potassium chlorate by sulfite in an acid medium. G. P. Arkhipova, I. F. Filiz, I. P. Mishchenko. Trudy LIITSBP no. 11:124-127 '62

POTASSIUM COMPOUNDS

Synthesis and determination of the heats of formation of $KWCl_6$ and K_2WCl_7. N. D. Zaitseva. Zhur. neorg. khim. 8 no. 10 2365-2368 O '63.

POTASSIUM FLUORIDE

Vacuum-thermal separation of cesium and potassium fluorides. A. S. Mikulinskii and others. Izv. SO AN SSSR no. 7. Ser. khim. nauk no. 2 105-107 '63.

POTASSIUM HYDROXIDE

Products of the oxidation of Tc by oxygen under pressure in aqueous solutions of KOH. B. N. Kulikovskii, IU. N. Mikhailov, V. G. Trunov. Zhur. neorg. khim. 8 no. 9: 2088-2092 S '63.

POTASSIUM PYROSULFATE

Grape storage. A. Grimm. Sov. torg. 36 no. 9 30-31 S '63.

POTASSIUM SALTS

Akademiia Nauk BSSR, Minsk. Institut obshchei i neorganicheskoi khimii. [Potassium salts and method for their processing] Kaliinye soli i metody ikh pererabotki. Minsk, Izd-vo Akad. nauk Belorusskoi SSR, 1963. 151 p.

POTATO BEETLE—BIOLOGICAL CONTROL see subdivision under Ukraine

POTATO BEETLE—EXTERMINATION see subdivision under Vladimir-Volynskiy District

POTATO BREEDING

Possibilities of controlled development of new forms in interspecific potato hybrids. A. M. Vaforov. Vest. sel'khoz. nauki 8 no. 3 34-35 Mr '63.

POTATO DIGGER (MACHINE)

Machines for harvesting potato tubers and tops. G. F. Pleshakov. Trakt. i sel'khozmash. 33 no. 4 45-46 Ap '63.

POTATO HARVESTING MACHINERY see subdivision under Ryazan Province

POTATO LATE BLIGHT
(see also subdivision under Sakhalin)

Adaptation of the pathogen of potato late blight to copper acetate [with summary in English]. IU. T. D'iakov. Izv. TSKHA no. 2 39-46 '63.

POTATO WART

Elimination of potato wart. I. F. Kolomiiko. Zashch. rast. ot vred. i bol. 8 no. 9:41-45 S '63.

Pay attention to potato wart. E. Zh. Zashch. rast. ot vred. i bol. 8 no. 8:58-59 Ag '63.

POTATOES
(see also subdivision under Apsheron Peninsula)

Determination of plasmatic permeability as a method for the evaluation of frost resistance of potatoes. Vl. V. Skripchinskii. Bot. zhur. 48 no. 8:1160-1172 Ag '63.

Let us produce adequate amounts of potatoes and vegetables. Part. zhizn' no. 19:26-29 O '63.

POTATOES—DISEASES AND PESTS
(see also subdivision under Polesye)

Early harvests decrease the incidence of potato diseases. V. Karpukov. Zashch. rast. ot vred. i bol. 8 no. 8:28 Ag '63.

Low-volume spraying of sugar beet and potato fields. IA. A. Meisakhovich. Zashch. rast. ot vred. i bol. 8 no. 4:34-35 Ap '63.

POTATOES—FERTILIZERS AND MANURES see subdivision under Armenia

POTATOES—HARVESTING

Early harvests decrease the incidence of potato diseases. V. Karpukov. Zashch. rast. ot vred. i bol. 8 no. 8:28 Ag '63.

POTATOES—STORAGE
(see also subdivision under Sverdlovsk Province)

How to prevent potato diseases during storage. S. A. Gusev. Zashch. rast. ot vred. i bol. 8 no. 9:26-27 S '63.

POTENTIAL, THEORY OF

Green's function for a wave equation in the case of two dispersive media. M. R. Magomedov. Dokl. AN Arm. SSR 36 no. 3:157-162 '63.

Introduction of the polarization potential into the radial equations of the theory of atomic collisions. L. Vainshtein. Izv. AN SSSR. Ser. fiz. 27 no. 8 1022-1026 Ag '63.

Regge poles in the nonrelativistic problem assuming nonlocal and singular interaction [with summary in English]. V. G. Vaks, A. I. Larkin. Zhur. eksp. i teor. fiz. 45 no. 3:800-809 S '63.

POTENTIOMETER

Automatic d-c potentiometer without measuring slide wire. A. M. Melik-Shakhnazarov, V. V. Savin. Izm. tekh. no. 5 21-26 My '63.

POTENTIOMETRIC ANALYSIS

Differential potentiometric titration of carboxylic and corrosive acids in sulfur-containing petroleum products. E. P. Sobolev, E. A. Popova, I. A. Rubinshtein. Khim. i tekh. topl. i masel 8 no. 2 56-61 F '63

Potentiometric titration of β-heteropolytungstic acid. F. A. Nikitina, M. A. Tsvetkov. Zhur. neorg. khim. 8 no. 10 2285-2289 O '63.

POTERIUM

Oil of Poterium polygamum seeds. B. M. Baram, A. L. Markman. Uzb. khim. zhur. 7 no. 1 47-52 '63.

POTTERY

Ceramics and their prospects. V. Artemov. Mest. prom. i khud. promys. 4 no. 4:31-32 Ap '63

Clay and hands. F. Mar. Znan.-sila 38 no. 3:53-55 Mr '63.

POTTERY, ANCIENT see subdivision under Taman

POTTERY, MOHAMMEDAN see subdivision under Dendankan

POTTERY, PRIMITIVE
(see also subdivision under Dnieper Valley, Rakobuty)

Monuments of the culture of the pottery ornamented with dotted lines in the Ustya Valley. I. K. Sviashnikov. Mat. i issl. z arkheol. Prikam'ia. Vol. no. 4 44-53 '62.

Settlement of the culture of tunnel-shaped pottery in the Malyye Gribovichi village, Lvov Province. M. IU. Smishko, M. A. Peleshchyshyn. Mat. i issl. z arkheol. Prikam'ia. Vol. no. 4 28-43 '62.

POTTERY, SLAVIC see subdivision under Volyn' Province

POULTRY
(see also subdivision under Kuban; Ukraine)

From the work experience of veterinarians on the Moskhanskiy State Poultry Farm. F. D. Gudukin. Veterinariia 39 no. 9 13-14 S '62.

Prevo, A. A., and S. O. Pel'tser. [Poultry raising] Ptitsevodstvo, uchebnoe rukovodstvo dlia uchashchikhsia sel'skikh srednikh shkol s proizvodstvennym obucheniem. Moskva, Uchpedgiz, 1963. 189 p. (DNAL)

POULTRY—DISEASES AND PESTS see subdivision under Transcaucasia

POULTRY BREEDS see subdivision under Kazakhstan

POULTRY HOUSES AND EQUIPMENT

Complex of machines for overall mechanization of large poultry houses. R. M. Slavin, V. G. Vasil'ev, N. I. Gerasikov. Zhivotnovodstvo 24 no. 5:74-78 My '62.

Egg collecting line in large-size poultry houses. B. Kononov. Tekh. v sel'khoz. 23 no. 2:33-35 F '63.

POULTRY PLANTS—EQUIPMENT AND SUPPLIES

Bins for the collection of wet feathers of water fowl. V. Silin. Mias. ind. SSSR 34 no. 4:18 '63

POWDER METALLURGY

Automatic pressing of metal powders with a hydraulic press. G. S. Proniakov, N. D. Voronkov. Avt. prom. 29 no. 10 29-30 O '63.

Effect of sintering temperatures on the shrinkage, properties and the structure of briquets made of chromium-nickel steel powders. R. A. Andrievskii, V. L. Kalikhman, S. M. Solonin. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2 104-111 Mr-Ap '63.

Investigating the effect of dispersed aluminum oxide inclusions on certain characteristics of sintered nickel [with summary in English]. V. P. Elliutin and others. Porosh. met. 3 no. 4:33-39 Jl-Ag '63.

Obtaining structural steels by powder metallurgy and the investigation of their properties [with summary in English]. B. A. Borok and others. Porosh. met. 3 no. 4 89-96 Jl-Ag '63.

Process of compacting high-melting metal powders during pressing. F. N. Alekseeva and others. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2 100-103 Mr-Ap '63.

Role of surface phenomena in powder metallurgy processes [with summary in English]. V. N. Eremenko, V. I. Nizhenko. Porosh. met. 3 no. 4 17-28 Jl-Ag '63

POWER (MECHANICS)

Economic efficiency of the utilization of secondary energy resources of a plant in the design stage. N. M. Vilenskii. Izv. Sib. otd. AN SSSR no. 2 3-14 '62.

POWER ENGINEERING
(see also subdivision under Sweden)

[Album of new construction equipment; recommended for use] Al'bom novoi stroitel'noi tekhniki, rekomduemoi k vnedreniiu. Moskva, Gosstroiizdat
No. 2. [Construction of power engineering structures. Electrical engineering structures] Energeticheskoe stroitel'stvo. Elektrotekhnicheskie raboty. 1963. 111 p.

POWER ENGINEERING (Continued)

Vilenskii, N. M., and others. [Establishing an efficient diagram for the power supply of a metallurgical combine] Opredelenie ratsional'noi skhemy energosnabzheniia metallurgicheskogo kombinata. Sverdlovsk, Akad. nauk SSSR, 1963. 56 p.

In brief about new developments. Prom. energ. 18 no. 9: 51-52 S '63.

More attention should be paid to public inspection. I. P. Polushkin. Elek. sta. 34 no. 9: 75-76 S '63.

Through the pages of power engineering journals. Prom. energ. 18 no. 10: 46 O '63.

Through the pages of technical journals. Energetik 11 no. 8: 44-45 Ag '63.

POWER ENGINEERING—BIBLIOGRAPHY see Bibliography—Power Engineering

POWER ENGINEERING—RESEARCH

Starting from the needs of the production. B. Zver'kov. Part. zhizn' no. 20: 44-47 O '63.

POWER RESOURCES
(see also subdivision under Europe, Eastern)

Gal'pershtein, L. IA. [New sources of energy] Novye istochniki energii. Moskva, Izd-vo "Znanie," 1963. 54 p. (Narodnyi universitet kul'tury. Estestvennonauchnyi fakul'tet, no. 8)

On the edge of a daring dream (to be continued). N. Pokrovs'kyi, IU. Moralevych. Nauka i zhyttia 13 no. 7: 60-62 Jl '63.

Principal mathematical formulation of a problem concerning the choice of an efficient power distribution system and optimum alternative for the distribution of power resources. A. G. Zakharin, V. P. Brailov, V. I. Denisov. Obshch. energ. no. 6: 14-23 '63.

Use of secondary power resources in plants of ferrous metallurgy. A. I. Berzhinskii. Prom. energ. 18 no. 10: 8-14 O '63.

POWER TOOLS
(see also subdivision under United States)

Hygienic evaluation of power tools. N. N. Malinskaia. Mashinostroitel' no. 8: 42-43 Ag '63.

Mechanized hand tools. Mashinostroitel' no. 9: 41-43 S '63.

POWER TOOLS—VIBRATION

Reducing vibrations of light riveting hammers. A. A. Goppen. Mashinostroitel' no. 8: 40-41 Ag '63.

POZNAN—EXHIBITIONS

At the fair of five continents. A. Rusanov. Vnesh. torg. 43 no. 9: 44-49 '63.

PRAIRIES see subdivision under Africa, West Canada

PRASEODYMIUM

Separation of praseodymium and neodymium by electrolysis on a mercury cathode. V. P. Shvedov, P. G. Antonov. Radiokhimiia 5 no. 3: 342-346 '63.

PREBISH, RAUL, 1901

Raul Prebish. Banja Tejan-Sie. Nov. vrem. 21 no. 42: 31 O '63.

PRECAST CONCRETE
(see also subdivision under Kazakhstan)

Akademiia stroitel'stva i arkhitektury SSSR. TSentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture. [Mechanization and automatization of factories producing precast reinforced concrete and the assembling of large-panel buildings] Mekhanizatsiia i avtomatizatsiia na zavodakh sbornogo zhelezobetona i montazh krupnopanel'nykh zdanii. Moskva, Gosstroiizdat, 1963. 82 p.

Optimal unification of precast concrete parts. J. Ennuste. Ekon. stroi. no. 10: 71-73 O '63.

Replace large-block apartment houses with large-panel ones. V. Ivanov, A. IAkushev, B. Akishev. Zhil. stroi. no. 6: 4-7 '63.

PRECAST CONCRETE CONSTRUCTION

[Assembling precast-concrete structures] Montazh sbornykh zhelezobetonnykh konstruktsii. [By] N. A. Boloban, i dr. Moskva, Gosstroiizdat, 1963. 344 p. (Seriia prakticheskikh posobii po povysheniiu masterstva v promyshlennom stroitel'stve)

Construction of the spinning plant of the Cheboksary Cotton Works. A. V. Ivanov. Prom. stroi. 40 [i. e. 41] no. 6: 8-9 Je '63.

Designing tunnels for industrial precast concrete enterprises. S. E. Mal'ginov. Sbor. trud. NII po stroi. ASiA (Sverd.) no. 8: 29-42 '63.

Industrialization and mechanization of finishing work in fully prefabricated construction. E. IA. Baier. Mekh. stroi. 20 no. 10: 4-6 O '63.

Precast reinforced concrete foundation for the KTP-58 transformer station. M. Kondrat'ev. Tekh. v sel'khoz. 23 no. 3: 31-32 Mr '63.

Problems in standardizing engineering structures. M. IU. Astrlab, N. A. Ushakov. Prom. stroi. 40 [i. e. 41] no. 7: 14-20 Jl '63.

Use open-hearth furnace slags in precast reinforced concrete construction. D. R. Shkatulov. Stroi. mat. 9 no. 9: 19-21 S '63.

PRECAST CONCRETE CONSTRUCTION—EQUIPMENT AND SUPPLIES

Mechanization of the installation and machines for finishing apartment houses. A. N. Ionov. Mekh. stroi. 20 no. 10: 9-10 O '63.

PRECAST CONCRETE CONSTRUCTION—STANDARDS see subdivision under Baltic States

PRECIPITATION (CHEMISTRY)

Precipitation from fused salts. Report No. 3: Precipitation of neodymium and praseodymium from molten potassium nitrate studied by the method of amperometric titration. V. K. Val'tsev, A. K. Kuprianova, A. A. Kamarzin. Izv. SO AN SSSR no. 7, Ser. khim. nauk no. 2: 29-33 '63.

PRECIPITATION (METEOROLOGY)
(see also subdivision under Black Sea)

Remarks on the nomogram for the calculation of continuous precipitations. Meteor. i gidrol. no. 9: 54-57 S '63.

PRECIPITATION (METEOROLOGY)—MEASUREMENT

Influence of the wind velocity on the amount of precipitation being measured. A. P. Bratsev. Meteor. i gidrol. no. 8: 54-56 Ag '63.

PRECISION CASTING

Group method of wax patternmaking. IU. N. Filippov. Lit. proizv. no. 8: 35-36 Ag '63.

PREGNADIENEDIONE

Case of Leiner's desquamative erythroderma successfully treated by compound therapy using prednisolone. A. N. Buraia, IU. P. Epshtein. Pediatriia 42 no. 1: 81-82 Ja '63.

Use of monomycin with prednisolone and monomycin with lidase in some obstetrical and gynecological diseases. S. M. Gorbenko. Zdravookhranenie 6 no. 2: 22-24 Mr-Ap '63.

PREGNANCY, COMPLICATIONS OF

Course of pregnancy in Botkin's disease [with summary in English]. I. P. Zhendrinskii. Akush. i gin. no. 2: 20-26 '63.

Determination of C-reactive protein in toxoplasmosis under experimental and clinical conditions. V. I. Verulashvili. Pat. fiziol. i eksp. terap. 7 no. 1: 75-76 Ja-F '63.

PREGNANCY, EXTRAUTERINE see subdivision under Tiraspol'

PREGNANEDIONE

Use of hydroxydione (presuren) anesthesia in combination with local anesthesia. D. Mrozowski. Eksper. i klin. anest. no. 1: 56-60 '63.

PRESCHOOL EDUCATION see Education, Preschool

PRESS
(see also subdivision under Great Britain, United States)

It's our job. Sov. pech. no. 8: 7-10 Ag '63.

Our fighting program. Sov. pech. no. 7: 1-4 Jl '63.

Yes, publicity is a powerful force! S. Mezentsev, L. Mitrofanov. Sov. pech. no. 8: 12-15 Ag '63.

PRESSURE GAUGES

Barometric vacuum gauge for measuring the pressure of spent steam of steam turbines. S. N. Fuks. Energetik 11 no. 8: 14-16 Ag '63.

PRESSURE REGULATORS

Regulator of compressed air pressure. V. N. Serebrennikov, D. N. Troitskaia. Mashinostroitel' no. 9: 31 S '63.

PRESTRESSED CONCRETE

Thermal prestressing of new types of hot-rolled rod reinforcements. S. S. Dzhanazian. Izv. AN Arm. SSR, Ser. tekh. nauk 16 no. 4: 55-60 '63.

PRESTRESSED CONCRETE—TESTING

Results of testing spirally reinforced prestressed elastic columns. A. B. Piradov. Izv. AN Arm. SSR, Ser. tekh. nauk 16 no. 4: 49-54 '63.

PRESTRESSED CONCRETE CONSTRUCTION

Experiments in making prestressed concrete beams for bridges. A. A. Rotinians. Izv. AN Arm. SSR, Ser. tekh. nauk 16 no. 4: 61-84 '63.

Dardik, N. B. [Technology and organization of the manufacturing of prestressed concrete elements] Tekhnologiia i organizatsiia zavodskogo proizvodstva predvaritel'no napriazhennykh zhelezobetonnykh konstruktsii; opyt Moskovskogo zavoda No. 6. Moskva, Gosstroiizdat, 1963. 165 p.

PRECAST CONCRETE CONSTRUCTION—TESTING

Moscow. TSentral'nyi nauchno-issledovatel'skii i proektno-eksperimental'nyi institut industrial'nykh, zhilykh i massovykh kul'turno-bytovykh zdanii. [Provisional instructions for testing experimental, full-scale, three-dimensional blocks] Vremennye ukazaniia po ispytaniiu opytnykh naturnykh obraztsov ob"emnykh blokov. Moskva, Gosstroiizdat, 1963. 25 p.

PRICES

Mendel'son, A. S. [Value and price; a theoretical study] Stoimost' i tsena, teoreticheskii ocherk. Moskva, Ekonomizdat, 1963. 118 p.

PRIESTS, AMERICAN see subdivision under Cuba

PRIMATES, FOSSIL

Morphological traits of the skeletal remains and teeth of Gigantopithecus in connection with his place in the order of Primates. Tung Ti-chên. Vop. antr. no. 13: 32 '63.

PRIMERS, UKRAINIAN

Chavdarov, S. K. [The Ukrainian language, a textbook for the first grade in elementary schools] Ukrains'ka mova. Pidruchnyk dlia pershoho klasu pochatkovoi shkoly. Zatverdzheno Ministerstvom osvity URSR. Vyd. 19. Kyiv, Derzh. uchbovo-pedagog. vyd-vo "Radians'ka shkola," 1958. 83 p. (NJP)

PRIMITIVE RELIGION see Religion, Primitive

PRIMITIVE SOCIETY see Society, Primitive

PRINCESSES see subdivision under Sikkim

PRINTING

Your friend, the book. B. Mikhailov. Sov. pech. no. 5: 12-45 My '63.

PRINTING INDUSTRY—EQUIPMENT AND SUPPLIES

[Technology and equipment of the papermaking and printing industry] Ref. zhur.: Tekh. i obor. bumagodel. i poligr. proizv. no. 20 O '63.

PRINTING PLANTS see subdivision under Moscow

PRINTING PLATES

Pliasunova, T. S., and others. [Modern methods of preparing printing plates, a survey of Soviet and foreign literature] Sovremennye sposoby izgotovleniia klishe, obzor otechestvennoi i inostrannoi literatury. Moskva, VNIIPP, 1962. 76 p.

PRIPET VALLEY—GEOLOGY, STRATIGRAPHIC

Collector properties of terrigenous formations in the subsalt Devonian formation of the southern part of the Pripet Graben. L. A. Dzemidovich. Vestsi AN BSSR, Ser. fiz.-tekh. nav. no. 3: 80-86 '63.

PRISONS—LAWS AND REGULATIONS

A decision of the plenary session of the Supreme Court of the U.S.S.R. Sov. iust. no. 15: 13 Ag '63.

How public prosecutors supervise the observance of Soviet laws in prisons. IU. Patrakov. Sots. zakon. 33 no. 8: 62-63 Ag '63.

PROBABILITIES

Automatic correlators. IU. N. Nikiforov. Nauch.-issl. trudy ISNIILV 16: 138-150 '62.

Derivation of equations of the probability method taking the identity principle into account. H. S. Kruhlik. Vestsi AN BSSR, Ser. fiz.-tekh. nav. no. 3: 45-50 '63.

Rastrigin, L. A. [In the world of chance] V mire sluchainykh sobytii. Riga, Izd-vo Akad. nauk Latvilskoi SSSR, 1963. 78 p.

PRODUCE TRADE
(see also subdivision under Letichev District; Sovetskiy District, Stavropol Territory)

Let us have an abundant supply of potatoes and vegetables for the wintertime. Sov. deput. trud. no. 9: 6-8 S '63.

State delivery operations of a cooperative society. Z. Tiekhova, P. Pirogov. Sov. potreb. koop. 7 no. 7: 50-55 Jl '63.

PRODUCE TRADE—FINANCE

Control the disbursement of money for state deliveries by consumers cooperatives. F. Zinchenko. Den. i kred. 21 no. 10: 68-69 O '63.

PRODUCTION CONTROL

Pivovarov, IA. I. [Operational production planning using the EV-80-3 electronic computer] Operativnoe planirovanie proizvodstva s ispol'zovaniem elektronnogo vychislitelia EV-80-3; stenogramma doklada na Vsesoiuznom soveshchanii po mekhanizatsii i avtomatizatsii inzhenernogo i upravlencheskogo truda v promyshlennosti i stroitel'stve. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1963. 13 p.

PRODUCTION STANDARDS

Creative initiative of the masses and the establishment of norms. A. Chuchkalov and others. Sots. trud 8 no. 9: 87-97 S '63.

Establishment of technical norms should be the basis of planning. N. Charykov. Sots. trud 8 no. 9: 98-101 S '63.

PROFIT

Incentive funds of enterprises and profit. L. Pekarskii Plan. khoz. 40 no. 10:6-14 O '63.

Korostelev, V.A. [What type of economy increases the profit of an enterprise] Kakaia ekonomiia uvelichivaet pribyl' predpriiatiia. [Moskva] "Moskovskii rabochii," 1963 55 p. (Osnovy ekonomicheskikh znanii — kazhdomu rabochemu)

PROFUMO, JOHN DENNIS, 1915-

Profumo again. V.B. Nov. vrem. 21 no. 10 26 O '63.

PROGRAMMED INSTRUCTION

Main trends of programmed education abroad. IU. I. Mashbyts', V. M. Bondarovs'ka. Rad. shk. 42 no. 9: 93-100 S '63.

Pedagogical basis of programmed instruction T. A. Ilʹina. Sov. pedag 27 no. 8 110-120 Ag '63.

Programmed instruction and the prospects of its introduction M. I. Rozenberg Rad. shk. 42 no. 5:43-47 My '63.

Urgent problems of programmed instruction. N. F. Talʹzina. Rad. shk. 12 no. 9:37-41 S '63.

PROGRAMMING (ELECTRONIC COMPUTERS)

Gnuchev, V. N. [Briefly on programming] Korotko o programmirovanii. Moskva, Mosk. gos. ekonom. in-t, 1959. 9 p.
[MICROFILM]

Linear algebraic transformer [with summary in English]. H. IF. Pukhov. Dop. AN URSR no. 8:1006-1009 '63.

Latysheva, T. S. [Programming and problem solving on two-address machines] Programmirovanie i reshenie zadach na dvukhadresnykh mashinakh Moskva, Izd-vo Akad nauk SSSR, 1963. 182 p.

Number of transpositions in the minimal decomposition of a substitution M. E. Nemenman, M. S. Margolin. Vestsi AN BSSR. Ser. fiz-tekh. nav. no. 3:132-134 '63.

Programming regulators for chemte vulcanization G A Openov, N. F Shishkov Kauch i rez. 22 no 8.46-49 Ag '63.

Alikhashkin, IA. I., B. IA. Kantor, and G. A. Marchenko. [Standard programs for the "Strela-3" computer] Standartnye programmy dlia mashiny "Strela-3." Moskva, 1963. 15 p. (Akademiia nauk SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy dlia mashiny "Strela-3," no. 5)

PROGRAMMING LANGUAGES (ELECTRONIC COMPUTERS)

Language for nonalgebraic algorithms. S. IA. Fitialov. NTI no. 4-38-34 '63.

Syntax patterns in English studied by electronic computer (from "Computers and Automation," no. 7, 1957) B A Uspenskii, V. A. Uspenskii. Mash. perev i prikl. ling no. 2.70-73 '59.

PROJECT METHOD IN TEACHING

Let's reduce the amount of course projects. K. G. Protasov, E. IA. Kraskovskii. Vest. vys. shkoly 21 no. 9:29 S '63.

PROJECTIVE GEOMETRY see Geometry, Projective

PROLINE—ANALYSIS

Proline and hydroproline content along the derma layers of chrome tanned kips. N. A. Oreshkov. Izv. vys. ucheb. zav.; tekh. log. prom. no. 2:100-102 '63.

PROPAGANDA, ANTI-COMMUNIST
(see also subdivision under United States)

The force of example. Enrique Rodriguez. Part. zhizn' no. 19 69-72 O '63.

In various languages. A. Solodovnikov. Mezhdunar. zhizn' 10 no. 10.77-85 O '63.

Unmasking the lies of bourgeois propaganda. V. Granov. Agitator no. 20 53-55 O '63.

PROPANEDIOL

Synthesis of nitroalkyl ethers of propylene glycol. L. M. Kozlov, V. I. Burmistrov, A. V. Solodov. Trudy KKHTI no. 30:96-100 '62.

PROPELLERS

Kaisman, F. M., and G. M. Kudrevatyi. [Design of screw-propeller complexes for seagoing ships] Konstruirovanie vinto-rulevykh kompleksov morskikh sudov, Leningrad, Sudpromgiz, 1963. 600 p.

Effect of controlling the pitch of a propeller on torsional vibrations in marine diesel engine shafts. V. Z. Karas'. Sudostroenie 29 no. 8:39-43 Ag '63.

PROPELLERS, AERIAL

Flow about propeller blades with flow separation. V. V. Keldysh. Inzh. zhur. 3 no. 1:37-40 '63.

PROPENE

Rearrangement of radicals in the process of dimerization of 3-fluoro-3, 3-dichloropropene and 3-fluoro-2, 3, 3-trichloropropene. V. N. Kost, T. T. Vasil'eva, R. Kh. Freidlina. Dokl. AN BSSR 7 no. 8:538-542 Ag '63.

Selecting a steady state for separation by means of gas-liquid chromatography of a mixture of oxygen compounds formed in the oxidation of propylene to propylene oxide. A. S. Vaabel', L. M. Kalberdo, R. I. Sidorov. Izv. SO AN SSSR no. 7. Ser. khim. nauk no. 2:86-92 '63.

Synthesis of β-bromo-γ-nitropropylene and study of its nitration with nitrogen dioxide. G. Kh. Kamai. Trudy KKHTI no. 30:116-119 '62.

Synthesis of α-chloro-γ-nitroisopropyl alcohol from allyl chloride. G Kh Kamai and others. Trudy KKHTI no. 30.120-124 '62.

PROPERDIN

Some immunological data on the fate of bone marrow transplanted to totally irradiated dogs [with summary in English]. I. L. Chertkov and others Pat. fiziol i eksp terap 7 no 2 9-14 Mr-Ap '63

State of the properdin system in patients with syphilis [with summary in English]. I. IA. Shaktmeister, I. L. Chertkov, V. P. Karpushkin Vest. derm i ven. 37 no 1 62-65 Ja '63.

Therapeutic effect of purified properdin in acute radiation sickness in mice V IA Vissarionova, I. L. Chertkov Med rad. no 1 62-64 '63.

PROPHECIES

Prophecies. Nauka i rel 4 no 5 82-93 My '63

PROPORTIONING EQUIPMENT

Automatic sampler and dispenser for saturated aqueous solutions. G. G. Rannev and others. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:33-36 '63.

Weighing and proportioning device for liquid yeast. S. IA. Soliannikov, O. N. Prokuratov. Khleb. i kond. prom. 7 no. 6 26-27 Je '63.

PROPYLENE OXIDE

Selecting a steady state for separation by means of gas-liquid chromatography of a mixture of oxygen compounds formed in the oxidation of propylene to propylene oxide. A. S. Vaabel', L. M. Kalberdo, R. I. Sidorov. Izv. SO AN SSSR no. 7. Ser. khim. nauk no. 2:86-92 '63.

PROSHKINA-LAVRENKO, ANASTASIIA IVANOVNA, 1891

Anastasiia Ivanovna Proshkina-Lavrenko; on the 40th anniversary of her scientific activities. I. V. Makarova Bot. zhur. 48 no. 8:1239-1241 Ag '63.

PROSPECTING
(see also subdivision under United States, White Russia)

Fourth Plenum of the Central Committee of the Trade Union of Prospecting Workers. E. S. Krivenko, A. I. Smirnov. Razved. i okh. nedr 29 no. 9.57-61 S '63.

PROSPECTING—GEOPHYSICAL METHODS
(see also subdivision under Bulgaria; Rumania; Siberia)

Determining the diameter of holes in studying a carbonate section. A. P. Lebedev. Trudy MINKHiGP no. 41. 230-237 '63.

Efficient combination of geophysical methods for studying coal prospecting holes. V. V. Grechukhin Prikl. geofiz. no. 37:169-182 '63.

Use of methods of mathematical statistics in exploration geophysics. O. A. Demidovich. Trudy MGRI 39: 175-179 '63.

PROSTATE GLAND—ABSCESS

Prostate gland abscess in a nursing infant. I. I. Potorzhinskii. Pediatriia 42 no. 1:65 Ja '63.

PROSTATE GLAND—SURGERY

Rostov-on-Don. Gosudarstvennyi meditsinskii institut [Transvesical adenomectomy with a buried suture on the bladder] Chrezpuzyrnaia adenomektomiia s glukhim shvom mochevogo puzyr'ia. Rostov-na-Donu, 1963. 124 p.
(DNLM)

PROSTHESIS

Case of substituting polyethylene prosthesis for the stapes and the incus. I. I. Vendelovskii. Zhur. ush., nos. i gorl. bol. 23 no. 4:69-70 Jl-Ag '63.

Manufacture of artificial blood vessels from synthetic fibers. Report No. 1. M. S. Genzer. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:130-137 '63.

Research on the functional characteristics of a prosthetic esophagus [with summary in English]. L. G. Kharitonov, E. M. Kagan, M. P. Benenson. Grud. khir. 4 no. 6:80-83 N-D '62.

PROTACTINIUM

Determination of the age of oceanic deposits by the ionium-protactinium method. I. D. Starik, A. N. Elizarova, IU. V. Kuznetsov. Radiokhimiia 5 no. 2:154-157 '63.

PROTACTINIUM COMPOUNDS

Complex formation of protactinium in acid nitric acid solutions. I. E. Starik, L. I. Il'menkova. Radiokhimiia 5 no. 2:236-244 '63.

Study of protactinium complex formation with mono-, di-, and polycarboxylic acids by the ion exchange method. Part 2: Complex formation of protactinium with β-hydroxybutyric and amygdalic acids. A. V. Lapitskii, I. Goletseanu. Radiokhimiia 5 no. 3:330-334 '63.

PROTECTIVE ATMOSPHERES

Equipment of 5 m^3 output per hour for the manufacture of protective atmospheres from ammonia [with summary in English]. I. D. Radomyael'skii, G. G. Serdiuk. Poroshk. met. 3 no. 4:97-100 Jl-Ag '63.

Using helium and its mixture with argon in aluminum alloy welding. D. M. Rabkin, V. R. Riabov, I. V. Dovbishchenko. Avtom. svar. 16 no 9 1-6 S '63.

Welding cromansil steel tanks and pressure vessels with a nonconsumable electrode and a double gas shield. V. E Remizov, M M Ravin. Avtom. svar. 16 no 9 72-74 S '63.

PROTECTIVE CLOTHING see Clothing, Protective

PROTECTIVE COATINGS

Development of formulas for the lining of the towers for chlorine dioxide bleaching of pulp. Report No 1 Impermeable lacquer-paint base coating. G. P. Grigor'ev and others. Trudy LTITSBP no. 11 83-87 '62.

Electrochemical painting of steel components M B Maidel', V V Gritchin, V F Smirnov Energ i elektrotekh prom no 3 37 Jl-S '63

Enamel paint for coating fermentation and storage tanks. A. E. Aslanov, M. N. Martiukov, A. R. Neistat. Spirt. prom. 28 no. 6:30-31 '62.

Protecting veneer raw material from cracking and decay. V. N. Kostomarov, S. I. Gurieva, E. K. Churikova Der. prom 12 no. 10 21-23 O '63.

Protection of electric motors V A Gol'strem Energ. i elektrotekh. prom no 3 34-37 Jl-S '63

Protection of the internal surfaces of chemical apparatus. A. N. Nikolaev and others. Plast. massy no. 6 37-40 '63.

Protective coatings with a base of organic dispersions of polyacrylonitrile. A. D. IAkovlev, N. V. Kosheleva, I. S. Okhrimenko. Lakokras. mat. i ikh. prim. no. 4.18-22 '63.

Semiautomatic welding in a water vapor atmosphere. S. D Golushko. Svar. proizv. no. 9 36 S '63.

Some methods for calculating the service life of a plastic lining performing in aggressive liquids. N. S. Tikhomirova, V N. Kotrelev. Plast. massy no. 10 36-38 '63.

Surface treatment of sintered steel. F. Aizenkol'b. Poroshk. met. 3 no. 4 111-115 Jl-Ag '63.

Synthesis of allyl glycidyl ester and butyl methacrylate copolymers. M. F. Sorokin, E. L. Khinchina. Lakokras. mat. i ikh. prim. no. 4:5-10 '63.

Synthesis of glycidyl methacrylate and styrene copolymers in solvents and their use as a base for the manufacture of protective coatings. M. F. Sorokin, L. M. Kochnov. Lakokras. mat. i ikh. prim. no. 4 10-15 '63.

Testing of airtight chloroprene rubber coatings during the operation of the condenser of a sea water cooled thermal electric power plant. N N. Kalinovskii, A. D. Shalagin, N. P. Sklifasovskii. Energomashinostroenie 9 no. 9:32-35 S '63.

Use of bakelite lacquer for preventing paraffin deposits in petroleum pipes. R. A. Abdullin. Lakokras. mat. i ikh. prim. no. 4 41-44 '63.

Using silicate enamels for the coating of working surfaces of ore dressing machines. M. P. Bozhko. TSvet. met. 36 no. 9:90 S '63.

PROTECTIVE COATINGS—SAFETY MEASURES

Romov, I. V. [Safety manual for workers engaged in the application of anticorrosive coatings; applicators of lining and rubber coatings and painters] Pamiatka po tekhnike bezopasnosti dlia rabochikh pri proizvodstve antikorrozilnykh rabot, futerovshchiki, gummirovshchiki, maliary. Izd. 2, dop. Moskva, Gosstroiizdat, 1963. 29 p. (Tekhnika bezopasnosti v stroitel'stve)

PROTECTIVE COATINGS—TESTING

Investigating the stability of paint coatings during aging under various conditions. B. M. Dubrova, N. V. Burenkova. Lakokras. mat. i ikh. prim. no. 4 76-80 '63.

PROTEIN METABOLISM

Changes in mineral and protein metabolism in calcified tissues following thermal burns [with summary in English]. B. E. Movshev. Pat. fiziol. i eksp terap. 7 no. 2: 58-62 Mr-Ap '63.

Disorders of protein metabolism in some major collagenoses. A. V. Zmyzgova, A. S. Kalnova, M. N. Privalenko. Terap. arkh. 35 no. 2.99-105 F '63.

Tissue protein metabolism and the functional capacity of the liver in patients with chronic myelosis [with summary in English]. V. P. Protsenko. Vrach. delo no. 9: 22-25 S '63.

PROTEINS

Azernikov, V. Z. [Decoded code] Razgadannyi kod. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. X Seriia: Molodezhnaia, no. 15)

Improvement of the protein balance in the feed supply of the Republic. S. K. Erkomaishvili. Sbor. trud. Gruz. zootekh.-vet. nauch.-issl. inst. 32:3-14 '61.

Protein rates for fattening swine [with summary in English]. A. S. Kairis. Izv. TSKHA no. 2:131-140 '63.

Rapid method for the refractometric determination of native proteins in vegetable juices. A. S. Vecher, O. K. Vasil'kevich. Dokl. AN BSSR 7 no. 7:481-484 Jl '63.

PROTONS

Decay of residual nuclei produced in the interaction of 660 Mev protons with carbon nuclei [with summary in English]. A. P. Zhdanov, P. I. Fedorov. Zhur. eksp. i teor. fiz. 45 no. 3 455-459 S '63.

Diffusion and reflection of proton spin in polycrystalline [illegible]. G. R. Khutsishvili. Soobshch. Akad. nauk Gruz. SSR 31 no. 3 571-576 S '63.

Possibility of producing multiply charged ions in a cyclotron by proton impact. I. S. Dmitriev. Izv. AN SSSR. Ser. fiz. 27 no. 8 1081-1082 Ag '63.

PROTONS—SCATTERING

Comparison of elastic pp- and pp-scattering based on a model with three Regge poles [with summary in English]. V. P. Kanavets, L. I. Lapidus, B. V. Morozov. Zhur. eksp. i teor. fiz. 45 no. 4 1079-1083 S '63.

Measurement of the polarization of CF_2 – 6 Mev protons scattered on aluminum [illegible] and ethers. Vest. Moskov. un-ta. Ser. 3, Fizika, astronom. 18 no. 5 84-90 S-O '63.

Measurement of the spin correlation coefficient in elastic pp-scattering at 315 Mev. [with summary in English]. L. N. Vasilevskii and others. Zhur. eksp. i teor. fiz. 45 no. 3 474-479 S '63.

Phase shift analysis of pp-scattering at 660 Mev., taking relativistic effects into account [with summary in English]. R. IA. Zul'karneev, I. N. Silin. Zhur. eksp. i teor. fiz. 45 no. 3 664-671 S '63.

Real part of the amplitude of elastic proton-proton forward scattering [with summary in English]. L. S. Azhgirei, S. B. Nurushev. Zhur. eksp. i teor. fiz. 45 no. 3 799-803 S '63.

Two-prong stars formed in inelastic pp-interactions at 9 Bev. Zh. S. Takibaev and others. Trudy Inst. ad. fiz. AN Kazakh SSR 8 91-100 '63.

PROTOPLASM

Determination of plasmatic permeability as a method for the evaluation of frost resistance of potatoes. V. V. Skripchinskii. Bot. zhur. 48 no. 8 1168-1172 Ag '63.

PROTOZOA, PATHOGENIC

Ridding bodies of water from ichthyophthiriasis. A. V. Borisoglebskii, V. V. Il'esh. Veterinariia 39 no. 11 50 N '62.

PRUS, BOLESLAW, pseud. see Glowacki, Aleksander, 1847-1912

PSEUDORABIES

Aujeszky's disease in waterdogs. A. I. Leont'ev, M. A. Dedjurin. Veterinariia 39 no. 11 51 N '62.

PSILOMELANE see subdivision under Kolsak Mogila Mountain

PSKOV PROVINCE—AGRICULTURAL WORKERS

Difficult soil. N. Khabarova. Ogonek 41 no. 21 14-15 My '63.

PSKOV PROVINCE—POLITICS AND GOVERNMENT

Skill is a result of study. N. Monchadskaia. Sov. deput. trud. no. 6 45-51 Je '63.

PSORIASIS

Dynamics of blood cholesterol in psoriasis patients depending on the methods of treatment. N. I. Tumasheva. Vrach. delo no. 9 149 S '63.

Treatment of psoriasis with a complex of vitamins acting on hematopoiesis [with summary in English]. M. I. Lipskaia. Vest. derm. i ven. 37 no. 2 34-36 F '63.

PSYCHIATRY

Morozov, G. V., ed. [Current problems of psychiatry and neuropathology] Aktual'nye voprosy psikhiatrii i nevropatologii. Moskva, Izd-vo M-va zdravookhraneniia SSSR, 1963. 400 p.
(DNLM)

PSYCHOLOGY

Sokolov, M. V. [Essays on the history of psychological ideas in Russia in the 11th to 18th centuries] Ocherki istorii psikhologicheskikh vozzrenii v Rossii v XI-XVIII vekakh. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 417 p.

Zakavkazskaia konferentsiia psikhologov, 2d. [Problems of psychology, materials (collection dedicated to the 40th anniversary of the establishment of Soviet government in Armenia)] Voprosy psikhologii; materialy (sbornik posviashchen sorokaletiiu ustanovleniia Sovetskoi vlasti v Armenii). Pod red. M. A. Mazmaniana. Erevan, 1960. 412 p.
[MICROFILM]

PSYCHOLOGY—CONGRESSES

Contribution of the science of psychology to the practice of education. Semia i shkola 18 no. 9 41-42 S '63.

PSYCHOLOGY, PHYSIOLOGICAL

Edible knowledge. V. Kovalev. Znan.-sila 38 no. 7 48 Jl '63.

PSYCHOPHARMACOLOGY

Aleksandrovskii, IU. A., V. V. Borinevich, and M. G. Shchirina. [Psychopharmacological preparations] Psikhofarmakologicheskie preparaty, spravochnye materialy. Moskva, Gos. nauchno-issl. in-t psikhiatrii, 1962. 14 p.
(DNLM)

PSYCHOSES

Clinical aspect of psychoses due to intoxication and infection. A. A. Mirzabian, S. A. Davtian. Zhur. eksp. i klin. med. 3 no. 2 51-58 '63.

PSYCHOTHERAPY

Slobodianik, A. P. [Psychotherapy, suggestion, hypnosis] Psikhoterapiia, vnushenie, gipnoz. Kiev, Gosmedizdat URSR, 1963. 348 p.
(DNLM)

PSYCHOTROPIC DRUGS

Simpozium "Vliianie psikhotropnykh preparatov na vysshuiu nervnuiu deiatel'nost'," Leningrad, 1963. [Reports of the Symposium "Effect of Psychotropic Preparations on Higher Nervous Activity"] Doklady. Leningrad, Izd-vo Akad. nauk SSSR, 1963. 172 p.
(DNLM)

PSZCZOLKOWSKI, EDMUND, 1904-

Edmund Pszczolkowski. Nov. vrach. 21 no. 10 6 O '63.

PTUKHIN, EVGENII SAVVICH

Pages of a heroic biography. L. Vasilevskii. Av. i kosm. 46 no. 6 77-84 S '63.

PUBERTY, PRECOCIOUS

Early sexual maturation in children. L. N. Bagaturova. Zhur. eksp. i klin. med. 3 no. 1 103-111 '63.

PUBLIC BATHS see Baths, Public

PUBLIC HEALTH
(see also subdivision under Ashkhabad, Grodno Province, Kiev Government, Krivoy Rog Basin, Polessk District)

Care of patients suffering from diseases with a protracted course. S. A. Pleshkova and others. Zdrav. Ros. Feder. 7 no. 9 16-18 S '63.

Improving the quality of specialized medical care. G. A. Miterova. Med. sestra 22 no. 8 3-6 Ag '63.

Medical service after its reorganization. I. Shalkovskii. Sov. deput. trud. no. 6 22-26 Je '63.

Ukraine. Ministerstvo zdravookhraneniia. [Problems of general and specialized hygiene] Voprosy obshchei i chastnoi gigieny. Kiev, Gosmedizdat USSR, 1963. 308 p.
(DNLM)

Reorganization of public health service. U. U. Parfent'ev. Zdrav. Ros. Feder. 7 no. 8 6-8 Ag '63.

PUBLIC HEALTH, RURAL
(see also subdivision under Belgorod Province; Bulgaria, Dembrovo, White Russia, Floreshty District)

Community is a great power. T. A. Nikolaeva. Sov. Kraz. Krest. 13 no. 2 7 My-Ap '63.

Organization of a public health administration in a consolidated rural district. I. I. Vishnevskaia. Zdrav. Ros. Feder. 7 no. 6 8-10 Ag '63.

Public health administration in a consolidated rural district. N. Kucherjavyi, L. Sergeeva. Zdrav. Ros. Feder. 7 no. 8 14-16 Ag '63.

Reorganization of the public health administration in a consolidated rural district. L. P. Leskova. Zdrav. Ros. Feder. 7 no. 8 11 Ag '63.

PUBLIC PROSECUTORS
(see also subdivision under Kazakhstan, Perm Province; Rumania; Vinnitsa Province)

How public prosecutors supervise the observance of Soviet laws. Sots. zakon. 40 no. 8 89-90 Ag '63.

In the Collegium of the Office of the Public Prosecutor of the U. S. S. R. Sots. zakon. 40 no. 8 40 Ag '63.

The methods of those who teach. IU. Nekrasov. Sots. zakon. 40 no. 8 75-79 Ag '63.

Mishutin, A. N., ed. [Public prosecutor's supervision of the observance of Soviet laws in the trial of criminal cases] Prokurorskii nadzor za zakonnost'iu rassmotreniia v sudakh ugolovnykh del. [By] R. D. Rakhunov i dr. Moskva, Gosiurizdat, 1963. 321 p.

PUBLISHERS AND PUBLISHING
(see also subdivision under Tashkent; White Russia)

Finding in the archives of "Sail." M. R. Kheifets. Ogonek 41 no. 40 9 S '63.

Publication of belles lettres. E. Agafonenkov. Sov. knizh. torg. 15 no. 8 8-9 Ag '63.

Publication plans for 1964 duplication again. IA. Arest. Sov. knizh. torg. 15 no. 8 9-10 Ag '63.

Twenty-fifth anniversary of the State Publishing House of Literature on Machinery Manufacture. Stan. i instr. 34 no. 8 41-42 Ag '63.

PUBLISHERS AND PUBLISHING—ACCOUNTING

Leman, V. V. [Economics and planning in book publishing; industrial and financial plan, planning of operations, and accounting for operations] Ekonomika i planirovanie v knizhnom izdatel'stve, promfinplan, operativnoe planirovanie i operativnyi uchet. Moskva, Iskusstvo, 1963. 322 p.

PUERPERIUM

Causes of hypofibrinogenemia and afibrinogenemia during labor and in the early postpartal period. N. A. Shilko. Akush. i gin. no. 2 52-59 '63.

PULMONARY CIRCULATION

Development of a second barrier in mitral defects [in summary, in English]. V. E. Dashkovskii. Grud. khir. 4 no. 6 22-25 N-D '62.

PULMONARY FIBROSIS

Coronary blood circulation in pneumosclerosis. A. V. Danil', G. P. Sarankin. Terap. arkh. 35 no. 2 [illegible] F '63.

PULSE

Determination of the propagation rate of the pulse wave in hypertension [with summary in English]. B. A. Zon-Lipskii. Vrach. delo no. 7 47-51 Jl '63.

Pulseless disease (Takayasu's disease) in children. [illegible] Savel'eva, N. N. Sitkova. Pediatriia 42 no. 7 [illegible] Ja '63.

PULSE TECHNIQUES (ELECTRONICS)

Electromechanical low-frequency pulse pickup. N. D. Vol'skii. Biul. tekh.-ekon. inform. Gos. nauch.-issl. in-st. nauch. i tekh. inform. no. 9 57-59 '63.

Investigation of the device for taking amplitude-phase characteristics of four-poles in supersonic frequency range. T. M. Aliev, A. A. Ter-Shahatunov. Zarub. prog. i no. 11-1 Mi '63.

PULVERIZED COAL see Coal, Pulverized

PUMPING MACHINERY
(see also subdivision under Czechoslovakia)

Automatic control of tank filling and pump interlocking. V. A. Vulikhman, O. T. Molodetskaia. Mekh. i avtom. proizv. 17 no. 8 15-17 Ag '63.

Control of pump delivery. B. L. Kamenetskii, N. I. Sorokin. Mekh. i avtom. proizv. 17 no. 8 9-11 Ag '63.

Hydraulic system of control and protection of the PG-1150 turbine pump. I. A. Gutkin and others. Energomashinostroenie 9 no. 9 11-14 S '63.

Methods for the experimental determination of the power losses of a centrifugal pump. IA. A. Kim. Energomashinostroenie 9 no. 10 15-17 O '63.

New automatic pump. M. Berger. Pozh. delo 9 no. 7 34-25 Jl '63.

Operating NPA-64 and NSh-60V hydraulic pumps mounted on E-153 excavators. N. T. Polubnichii. Mekh. stroi. 20 no. 9 30 S '63.

Operation of the 5TS-10 feed pumps with water temperature exceeding 150° C. A. F. Dvornikov. Energetik 11 no. 9 13-14 S '63.

Pump for the transfer of sulfuric acid. V. I. Petel'kin, A. F. Voronkov. Khim. mashinostr. no. 5 7-8 [illegible] '63.

Results of laboratory studies of several types of water pipes with vertical axial pumps. K. I. Tyagov, I. F. Korenev. Trudy NPI 138 49-66 '63.

PUMPING MACHINERY—FOUNDATIONS

Design of foundation slabs for centrifugal pumps. F. I. Guro, S. L. Khar'kovskii. Koks i khim. no. 9 57 '62.

PUMPING STATIONS

Automation of water supply. O. A. Kravets. Mekh. i avtom. proizv. 17 no. 8 8-9 Ag '63.

PUNCHED CARD SYSTEMS
(see also subdivision under Leningrad)

Supply agriculture with calculating machines. A. A. Bachurin. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7-12-43 Jl '63.

Use of aperture punched cards for information retrieval. Bibliographical system for marginal-hole punched cards. G. G. Vorob'ev, S. A. Lipkin. NTI no. 4 20-25 '63.

PUNIC LANGUAGE—WORDS—HISTORY

Meaning of the term "bd" in Punic inscriptions. [illegible] Shifman. Epig. Vost. no. 15-17 23 '63.

PUNISHMENT

Judicial errors in the imposition of penalty. E. Cherchesskii, V. Zubanov. Sov. iust. no. 15 11-13 Ag '63.

PUPPETS AND PUPPET PLAYS
(see also subdivision under Bengal)

Amateur puppet theater. N. Litvinova. Semia i shkola 18 no. 9 47-48 S '63.

PURKYNE, EMANUEL 1831-1882

Works of Czech scientist Emanuel Purkyně. V. Kreček. Meteor. i gidrol. no. 9 53 S '63.

PURPURA (PATHOLOGY)

Histopathology of purpura senilis. L. D. Zherebtsov. Vest. derm. i ven. 37 no. 1 53-56 Ja '63.

PUSHKIN, ALEKSANDR SERGEEVICH, 1799-1837

History in A. S. Pushkin's creative work [with summary in English, p. 220-221]. L. V. Cherepnin. Vop. ist. 38 no. 9 25-44 S '63.

Pushkin and Radishchev. V. A. Malinin. Vop. filos. 17 no. 8 125-130 '63.

PUTREFACTION

Akademiia nauk URSR, Kiev. Instytut hidrobiologii. [Problems of putrefaction in the bodies of water of the Dnieper basin] Pytannia biologichnoi samoochyshchennosti vodom baseinu Dnipra. Kyiv, Vyd-vo AN URSR, 1963. 45 p.

PUZZLES

In a free moment. Sov. voin. 45 no. 15-18 Ag '63.

PYALOVSKOYE RESERVOIR—FISH CULTURE

Rearing young valuable fishes in a reservoir bay adapted for fish culture. P. V. Mikheev, E. V. Meisner. Trud. VNIPRKH 8 221-258 '56.

PYRALID MOTHS

Dangerous foreign pest of stored produce. A. A. Varshalovich, Zashch. rast. ot vred. i bol. 8 no. 8 50 Ag '63.

PYRENE—SPECTRA

Absorption and emission spectroscopy of pyrene at 20° and 4°K. L. A. Klimova. Opt. i spektr. 15 no. 3 314-316 S '63.

PYRIDINE—SPECTRA

Calculation and interpretation of the vibrational spectra of pyridine and deuteropyridines. Plane vibrations. V. I. Berezin. Opt. i spektr. 15 no. 3 310-314 S '63.

PYRIDINE BASES

Extraction of thorium by pyridine bases. A. A. Zaitsev and others. Zhur. neorg. khim. 8 no. 10 2107-2111 O '63.

PYRITES see subdivision under Kirovakan Region

PYROCATECHOL

Alkyl aryl esters of pyrocatecholphosphorous acid, new stabilizers of polymers. Report No. 1. Synthesis of alkyl aryl esters of pyrocatecholphosphorous acid. P. A. Kirpichnikov, and others. Trudy KKHTI no. 30 37-51 '62.

Instability constants of tripyrocatechol-germanic and tripyrogallol-germanic compounds. A. M. Andrianov, V. A. Nazarenko. Zhur. neorg. khim. 8 no. 10, 2281-2284 O '63.

PYROGALLOL

Instability constants of tripyrocatechol-germanic and tripyrogallol-germanic compounds. A. M. Andrianov, V. A. Nazarenko. Zhur. neorg. khim. 8 no. 10, 2281-2284 O '63.

PYROGENS

Nonspecific phagocyte activity in experimental bone tuberculosis following the use of pyrogens and streptomycin [with summary in English]. F. Kh. Kucheryavyi, F. B. Il'ina. Pat. fiziol. i eksp. terap. 7 no. 2 63-67 Mr-Ap '63.

PYROLYSIS

Experience in acetylene production by high-temperature hydrocarbon pyrolysis. O. I. Lapitskaia, K. A. Zubkova. Neftepererab. i neftekhim. no. 1, 34-39 '63.

Pyrolysis of heavy tar obtained by semicoking of Cheremkhovo coals. D. M. Aptei, F. I. Kalinichenko. Izv. Sib. otd. AN SSSR no. 2 121-122 '62.

PYROMETRY

Measuring temperatures under 800° C by radiation. O. A. Peskachev. TSvet. met. 36 no. 9 78-79 S '63.

PYROXENES see subdivision under Lower Tunguska Valley

PYROXENES—ANALYSIS

Synthetic pyroxenes and their birefringence dispersion in connection with their composition. E. A. Kuznetsov, Siun Da-khe [Hsün Ta-ho]. Vest. Mosk. un. Ser. 4, Geol. 18 no. 3 31-38 My-Je '63.

PYROXENES—ELASTIC PROPERTIES

Elastic properties of pyroxenes. K. S. Aleksandrov, T. V. Ryzhova, B. P. Bulikov. Kristallografiia 8 no. 5 738-741 S-O '63.

PYROXENITE

Metasomatic zoning in contacts of Uralian platinum-bearing dunites and pyroxenites. A. A. Efimov, L. P. Ivanova. Dokl. AN SSSR 151 no. 6, 1424-1427 Ag '63.

PYSHMA VALLEY—FORESTS AND FORESTRY—ECONOMIC ASPECTS

Economic effectiveness of the procurement of timber in improvement cuttings. V. M. Solov'ev. Les. khoz. 16 no. 8 51-53 Ag '63.

Q FEVER—PREVENTIVE INOCULATION

Immunological effectiveness of Q vaccine. E. IA. Shterngol'd, E. I. Shteikhor, L. Sh. Umidova. Trudy TashNIIVS 5 47-52 '62.

QATAR

British protectorates in the Persian Gulf region. IU. IUvsov, O. Gerasimov. Mezhdunar. zhizn' 10 no. 10 141-143 O '63.

QUACK GRASS

Eradication of Agropyron repens. R. G. Koptelova. Zashch. rast. ot vred. i bol. 8 no. 9, 13-14 S '63.

QUALITY CONTROL

Assortment and quality. S. Grigor'ev. Sov. torg. 36 no. 9, 12-15 S '63.

Statistical method of quality control and its difference from the total quality control. G. P. Kozodneva. Trudy Stud. nauch. ob-va LIEI no. 3, 68-75 '59.

QUANTUM ELECTRODYNAMICS

Solov'ev, L. D. [Dispersion relations in quantum electrodynamics] O dispersionnykh sootnoshenliakh v kvantovoi elektrodinamike. Dubna, Ob'edinennyi in-t, Iadernykh issledovanii, 1962. 7 p. [MICROFILM]

Theory of a neutral vector field with spin 1 [with summary in English]. V. I. Ogievetskii, I. V. Polubarinov. Zhur. eksp. i teor. fiz. 45 no. 3, 709-712 S '63.

QUANTUM FIELD THEORY

Hypothesis of Regge poles in quantum field theory and threshold characteristics of inelastic processes [with summary in English]. L. A. Khalfin. Zhur. eksp. i teor. fiz. 45 no. 3, 931-936 S '63.

A model of the quantum field theory with a fixed fermions. V. A. Gorodtsev. Vest. Mosk. un. Ser. 3: Fiz., astron. 18 no. 3, 75-80 My-Je '63.

New types of relationship between local operators and the scattering matrix. I. S. Lomonosov, IU. M. Shirokov. Vest. Mosk. un. Ser. 3: Fiz., astron. 18 no. 5, 55-66 S-O '63.

Vsesoiuznaia mezhvuzovskaia konferentsiia po teorii kvantovannykh polei i elementarnykh chastits, 3d, Uzhgorod, 1961. [Program of and abstracts of papers read at the All-Union Interuniversity Conference on Quantum Field Theory and Elementary Particles] Programma i tezisy dokladov. Posviashchaetsia 22 s"ezdu KPSS. Uzhgorod, Uzhgorodskii gos. univ., [1961] 117 p.

Vsesoiuznaia mezhvuzovskaia konferentsiia po teorii kvantovykh polei i elementarnykh chastits, 2d, Uzhgorod, 1960. [Program of and abstracts of papers read at the All-Union Interuniversity Conference on Quantum Field Theory and Elementary Particles] Programma i tezisy dokladov. Uzhgorod, Uzhgorodskii gos. univ., [1960] 70 p.

Restrictions on the coupling constants and vertex part of three particle interaction in quantum field theory. Part 2 [with summary in English]. B. V. Geshkenbein, B. L. Ioffe. Zhur. eksp. i teor. fiz. 45 no. 3, 555-564 S '63.

Role of the impact parameter in multiple particle production. V. V. Alekseev. Vest. Mosk. un. Ser. 3: Fiz., astron. 18 no. 3, 81-84 My-Je '63.

QUANTUM STATISTICS

Quantum statistical theory of ferromagnetic resonance in the high temperature range. O. A. Ol'khov. Fiz. tver. tela 5 no. 9, 2448-2451 S '63.

Quantum statistical theory of the Overhauser effect in metals. M. A. Kozhushner, B. N. Provotorov. Fiz. tver. tela 5 no. 9, 2631-2640 S '63.

QUANTUM THEORY

Certain properties of semiconductors with narrow forbidden zones. V. L. Bonch-Bruevich. Fiz. tver. tela 5 no. 9, 2711-2717 S '63.

Correlation of the mass distribution of fission fragments with the quantum characteristics of the nucleus at the saddle point. P. P. D'iachenko and others. Atom. energ. 15 no. 3, 246-247 S '63.

Determining the electron transition moments of the Schumann-Runge bands for the oxygen molecule. Part 2. N. I. Krindach, N. N. Sobolev, L. N. Tumitskii. Opt. i spektr. 15 no. 3, 298-305 S '63.

Dielectric constant of crystals from the standpoint of quantum theory [with summary in English]. G. M. Gandel'man, V. M. Ermachenko. Zhur. eksp. i teor. fiz. 45 no. 3, 522-531 S '63.

EO-conversion on the outer atom shells. L. A. Borisoglebskii. Vest. Mosk. un. Ser. 3: Fiz., astron. 18 no. 5, 74-79 S-O '63.

Effect of the dimensions of the residual nucleus on particle polarization in electron bremsstrahlung and pair formation. F. S. Sadykhov. Izv. AN Azerb. SSR Ser. fiz.-mat. i tekh. nauk no. 3, 55-59 '63.

Effect of external fields on angular correlations in consecutive electromagnetic transitions [with summary in English]. L. Zastavenko, M. Podgoretskii. Zhur. eksp. i teor. fiz. 45 no. 3, 706-708 S '63.

Electric quadrupole transitions in nuclei. D. K. Kaipov, A. N. Pertsev. Trudy Inst. fiz. AN Kazakh. SSR 6: 71-78 '63.

Energy distribution of secondary electrons and photoelectrons generated by soft X rays. N. G. Nakhodkin, P. V. Mel'nik. Fiz. tver. tela 5 no. 9, 2441-2447 S '63.

Entropy of the distribution of coordinates and pulses of a particle situated in a potential well with infinite walls. A. S. Rubanov, G. I. Sedoi. Dokl. AN BSSR 7 no. 7, 449-452 Jl '63.

Identity of the computation methods for the isotopic displacement of spectral lines. F. A. Babushkin. Opt. i spektr. 15 no. 3, 432-434 S '63.

Lifetime of the 0.570 Mev. level in the Te^{122} nucleus [with summary in English]. IU. K. Shubnyi. Zhur. eksp. i teor. fiz. 45 no. 3, 460-463 S '63.

Spin-orbital splitting of hole zones in alkali halide crystals. K. B. Tolpygo, D. I. Sheka. Fiz. tver. tela 5 no. 9, 2609-2619 S '63.

Shugaiin, A. V. [Struggle of materialism and idealism in quantum mechanics] Bor'ba materializma s idealizmom v kvantovoi mekhanike. [Kiev] Izd-vo Kievskogo univ. 1963. 127 p.

Study of an S-matrix in a complex space of angular momenta in the quasi-classical case [with summary in English]. A. Z. Patashinskii, V. L. Pokrovskii, I. M. Khalatnikov. Zhur. eksp. i teor. fiz. 45 no. 3, 760-771 S '63.

QUARTZ

Chlorites from crystal-bearing quartz veins [with summary in English]. F. I. Lavrenko, E. M. Laz'ko. Min. sbor. no. 16, 171-180 '62.

Crystallization of quartz in chalcedony geodes [with summary in English]. D. P. Grigor'ev, T. A. Kariakina. Min. sbor. no. 16, 106-112 '62.

QUARTZ—THERMAL PROPERTIES

Use of experiments on unsteady mass transfer in determining the heat conductivity and other thermophysical properties of viscous heatproof materials. IU. V. Polezhaev. Teplofiz. vys. temp. 1 no. 1, 33-38 Jl-Ag '63.

QUARTZ CRYSTALS—OPTICAL PROPERTIES

Sectorial distribution of luminescence centers in synthetic quartz. S. V. Starodubtsev, Sh. Vakhidov, L. I. Ismailov. Kristallografiia 8 no. 5, 770-773 S-O '63.

QUININE—PHYSIOLOGICAL EFFECT

Contact allergic dermatitis in men caused by the use of contraceptives. I. E. Andreichuk. Vest. derm. i ven. 37 no. 1, 81-82 Ja '63.

QUINOLINE

Local anesthetic properties of stereoisomers of benzoic ester hydrochloride of 2-methyl-4-hydroxydecahydroquinoline. Report No. 3. I. I. Chebelova. Izv. AN Kazakh. SSR, Ser. med. nauk no. 1, 23-27 '63.

Treatment of lupus erythematosus with resochin and salusid. N. V. Demenkova. Vest. derm. i ven. 37 no. 2, 80-82 F '63.

QUINOLINOL

Infrared spectra of thorium, zirconium, and uranyl complex compounds with 8-oxin and tributyl phosphate. V. I. Galvonskii, O. A. Osipov, R. R. Shagidullin. Radiokhimiia 5 no. 2, 241-248 '63.

New elective chinozol medium for the detection of diphtheria bacteria. P. I. Buchin. Zhur. mikrobiol., epidem. i immun. 40 no. 1, 98-101 '63.

RABBITS

Zusman, N. S. [Raise rabbits] Razvodite krolikov. Moskva, Izd-vo "Znanie," 1963. 47 p. (Narodnyi universitet kul'tury. Sel'skokhoziaistvennyi fakul'tet, no. 8)

RABIES

(see also subdivision under Russia, Northern, Ural Mountain region)

Possibility of using the brain of a ram for the preparation of an antirabic vaccine. Report No. 1. S. S. Maksumov. Trudy TashNIIVS 5 15-19 '62.

Rabies in cattle. S. A. Malygin, I. D. Druzhkov, A. P. Smirnov. Veterinariia 39 no. 9, 22-23 S '62.

RABIES—PREVENTIVE INOCULATION

Immunogenic properties of the commercial strains of the rabies virus. S. S. Maksumov. Trudy TashNIIVS 5, 10-14 '62.

RACE DISCRIMINATION

Racism and the physical development of man. S. IA. Chikin. Teor. i prak. fiz. kul't. 26 no. 9, 56-59 Ag '63.

RADAR

Basharinov, A. E. [Principles of signal detection in noise] Printsipy selektsii signalov v shumakh, konspekt lektsii. Red. V. L. Lebedev. Moskva, Mosk. energ. in-t, 1962. 40 p.

Coverage of a radar station during the automatic tracking of the target. IU. M. Kazarinov. Radiotekhnika 18 no. 8, 59-65 Ag '63.

Electronic warfare. P. Nikishomov. Starsh.-serzh. no. 5, 25 My '63.

RADAR, MILITARY

Display a high vigilance always. I. IA. Bogushevich. Vest. protivovozd. obor. no. 11, 42-46 N '61.

Methods for suppressing radar stations (as revealed by foreign press data). B. I. Golubev. Vest. protivovozd. obor. no. 11, 51-54 N '61.

Patil, A. I. [Radio warfare] Radiovoina. Moskva, Voenizdat, 1963. 204 p.

RADAR IN NAVIGATION

Coastal radar stations. G. Piotko. Rech. transp. 22 no. 8, 45-47 Ag '63.

Determining the position of a ship by natural radar orientation points. L. G. Murchenko. Mor. sbor. 46 no. 8, 69-70 Ag '63.

RADAR METEOROLOGY

Radar determination of wind. IU. Vorkov, V. Nedel'kin. Av. i kosm. 46 no. 9, 46-47 S '63.

RADIATION

(see also subdivision under Antarctic regions, Atlantic Ocean, Pacific Ocean)

Radiation grafting of vinyl monomers to polyolefin fibers. U Zhun-zhui [Wu Jung-jui] and others. Khim. volok. no. 5, 12-15 '63.

RADIATION—DOSAGE

Dosimetric characteristics of gamma-neutron [illegible] A. V. [illegible] Med. rad. 7 no. 11:47-51 N '62

Dosimetric characteristics of the Co-60 gamma-ray unit T. G. Pavlova. Med. rad. 7 no. 11:24-28 N '62

Dosimetric installation and calculation of the dose from [illegible] Petro Med. rad. 7 no. 12 '62

RADIATION—PHYSIOLOGICAL EFFECT

Akademiia nauk SSSR. Institut biologicheskoi fiziki. Pervichnye i nachal'nye protsessy biologicheskogo deistviia radiatsii [Primary and initial processes of the biological effect of radiation] Moskva, Izd-vo Akad. nauk SSSR, 1963. 277 p.

Irradiation and [illegible] B. Denisov. Dosug i obsp. 36 no. 7 101-105 Jl '63.

Change of the motility of leukocytes during radiotherapy [with summary in English] A. V. Kovalenko. Med. rad. 7 no. 12:33-40 D '62.

Cobalt and nickel in radiation dermatitis. A. T. Soanov [illegible] Z. I. Ordu, N. Z. Nagaidak. Vrach. delo no. 9 [illegible] '63.

"Effect of ionizing radiations on the nervous system" by A. V. Lebedinskii, Z. V. Ermol'eva, and [illegible]. Reviewed by M. G. Kreyngauz, V. M. Lanetskii. Pat. fiziol. i eksp. terap. 7 no. 2:94-95 Mr-Ap '63.

Effect of prolonged repeated irradiation on the blood and blood-forming organs. G. D. Baisogolov. Med. rad. 7 no. 12:68-77 D '62.

Protective vaccination in monkeys against gas gangrene caused by Clostridium perfringens under conditions of chronic irradiation. E. K. Dzhidzhoev, A. S. Akseno, a Zhur. mikrobiol., epidemiol. i immunob. 40 no. 1:132-137 '63.

Radiation injury of female sex organs. V. IA. Karkysheva. Usp. sovr. biol. 56 no. 1:117-135 Jl-Ag '63.

Reparative processes in the mucous membrane of the duodenum after a radiation injury. I. A. Chalisov, L. B. Berlin. Dokl. AN SSSR 151 no. 6:1450-1452 Ag '63.

RADIATION—PROTECTIVE AGENTS

"Radiation lesions, radiation cancer, and chemical radiation protection" by D. J. Mewissen. Reviewed by G. A. Zedgenidze, IU. G. Elashov. Med. rad. 7 no. 12:78-80 D '62.

RADIATION—SAFETY MEASURES

Some ways of reducing the harmful effects of roentgen irradiation and improvement of the quality of chest radiography. A. I. Nesis. Vest. rentg. i rad. 38 no. 1:57-59 Ja-F '63.

RADIATION SICKNESS

Changes in the cardiovascular system of dogs in radiation sickness caused by the action of uranium fission products. G. N. Korolev. Med. rad. no. 1:64-70 '63.

Clinicohematological and morphological changes in a combination of lesions treated with a rapidly congealing plastic mass [with summary in English]. L. S. Kastianov and others. Vrach. delo no. 9:84-88 S '63.

Effect of vitamin B_{12} on the content of nucleic acids in the hematopoietic organs of irradiated animals [with summary in English]. Z. I. Sheremet, L. I. Kazanova. Med. rad. no. 1:46-54 '63.

Humoral influences of the spleen on the bone marrow in lesions caused by ionizing radiation and benzene [with summary in English]. L. I. Geller. Pat. fiziol. i eksp. terap. 7 no. 1:65-70 Ja-F '63.

Immunotherapy and dermatoplasty in combined burns [with summary in English]. M. V. Sukerman and others. Pat. fiziol. i eksp. terap. 7 no. 1:19-23 Ja-F '63.

Metabolism of C14 labeled lysine in calcified tissues during acute radiation sickness. A. A. Prokhonchukov. Pat. fiziol. i eksp. terap. 7 no. 1:81-83 Ja-F '63.

Morphological changes in the nerves of animal bone tissue during acute radiation sickness. M. N. Pavlova. Ortop., travm. i protez. [illegible]

Therapeutic effect of purified properdin in acute radiation sickness in mice. V. IA. Vissarionova, I. L. Chertkov. Med. rad. no. 1:62-64 '63.

RADIATORS

Selecting the radiator type for the warming up of tank cars during the discharge of highly viscous goods. V. A. Lizunov. Vest. TSNII MPS 22 no. 6:62-63 '63.

RADICALS (CHEMISTRY)

Free-radical polymerization of triazine cycles. A. N. Pravednikov and others. Dokl. AN SSSR 151 no. 6:1347-1349 Ag '63.

Radicals of the formula (Si_mO_n) and their X-ray emission spectra $Si_{K\alpha_1}$, brief comments [with summary in French]. Konstantin Kurilenko. Min. sbor. no. 16:45-47 '62.

Rearrangement of radicals in the process of dimerization of 3-fluoro-3, 3-dichloropropene and 3-fluoro-2, 3, 3-trichloropropene. V. N. Kost, T. T. Vasil'eva, R. Kh. Freidlina. Dokl. AN BSSR 7 no. 8:538-542 Ag '63.

Vedeneev, V. I. [Chemical radicals] Khimicheskie radikaly. Moskva, Izd-vo "Znanie," 1963. 47 p. (Narodnyi universitet kul'tury. Estestvennonauchnyi fakul'tet, no. 9)

RADICALS (CHEMISTRY) — SPECTRA

Excitation of free radicals in the splitting of polyatomic molecules by photons in the vacuum ultraviolet region. N. IA. Dodonova, A. N. Terenin. Izv. AN SSSR, Ser. fiz. 27 no. 8:1094-1096 Ag '63.

RADIO

Andreev, A. S. [Laboratory work on the principles of electronics and communications engineering] Laboratornye raboty po osnovam elektroniki i tekhniki sviazi. Moskva, Sel'khozizdat, 1963. 129 p.

Certain special mathematical correlating codes. G. B. Olderogge. Radiotekhnika 18 no. 7:14-19 Jl '63.

Conditions of maximum interference rejection of systems with active pause in presence of undetermined phase of the signal. I. A. TSikin. Radiotekhnika 18 no. 7:3-13 Jl '63.

Distribution of the overshoot duration of the smoothed envelope of quasiharmonic noise. V. T. Gorianinov. Radiotekhnika 18 no. 8:3-9 Ag '63.

Nineteenth All-Union Conference of the A. S. Popov Scientific and Technical Society for Radio and Electronics dedicated to "Radio day." Radiotekhnika 18 no. 8:74-80 Ag '63.

One method of harmonic synthesis. Radiotekhnika 18 no. 8:17-23 Ag '63.

Plenary Session of the A. S. Popov Branch of the Scientific and Technical Society for Radio and Electronics in Odessa. M. E. Vainberg. Radiotekhnika 18 no. 7:79-80 Jl '63.

Poliakina, G. D. [Demonstrations in electrical engineering and radio engineering lectures] Demonstratsii na lektsiiakh po elektrotekhnike i radiotekhnike, posobie dlia pedagogicheskikh institutov. Pod red. N. N. Malova. Moskva, Uchpedgiz, 1963. 98 p.

Powerful means of progress. Starsh.-serzh. no. 5:6-7 My '63.

[Radio electronics abroad] Zarub. radioelek. no. 10 O '63.

Spectral characteristics of phase difference fluctuations. A. V. Men'. Radiotekhnika 18 no. 7:25-33 Jl '63.

Use of a pulse batch in the presence of correlated noise. V. F. Nesteruk. Radiotekhnika 18 no. 8:10-16 Ag '63.

RADIO—ABSTRACTS

[Radio engineering and telecommunication] Ref. zhur.: Radiotekh. i elektrosviaz' no. 10 O '63.

RADIO—EQUIPMENT AND SUPPLIES

Leont'ev, L. P. [Introduction to the theory of reliability of radioelectronic apparatus] Vvedenie v teoriiu nadezhnosti radioelektronnoi apparatury. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1963. 186 p.

Nonparametric evaluation of the frequency and danger of equipment failure. Zh. B. Linkovskii. Elektrosviaz' 17 no. 9:71-72 S '63.

RADIO—MAINTENANCE AND REPAIR

Marholyn, H. H. [Repair of radio receivers] Remont radioprymachiv. 3, vypravlene ta dop. vydannia. Kyiv, Derzhmekhvydav URSR, 1963. 179 p.

RADIO—RECEIVERS AND RECEPTION

Analysis of signal distortion in special converter stages of a highly selective receiver system. IU. N. Babanov. Radiotekhnika 18 no. 7:56-59 Jl '63.

Basharinov, A. E. [Principles of signal detection in noise] Printsipy selektsii signalov v shumakh; konspekt lektsii. Red. V. L. Lebedev. Moskva, Mosk. energ. in-t, 1962. 40 p.

Class II radio receiver with factory made components. M. Balashov, I. Merob'ian. V pom. radiolub. no. 12:3-14 '62.

Effect of strong interfering signals on the transmission factor of diode frequency converters. M. E. Moshovich. Elektrosviaz' 17 no. 9:16-25 S '63.

Method for increasing the selectivity of radio [illegible] in presence of superimposed frequencies [illegible] useful and interfering A. M. signals. D. V. A[illegible] Babanov. Elektrosviaz' 17 no. 9:3-[illegible] S '63.

Pavlov, K. M. [Analysis and calculation of the [illegible] of an IF amplifier] Analiz i raschet skhemy odnogo iz promezhutochnoi chastoty, rekomendovannogo [illegible] komissiei VZTS po spetsial'nym radiotekhnicheskim distsiplinam v kachestve uchebnogo posobiia dlia uchashchikhsia tekhnikumov sviazi. Moskva, [illegible] dat, 1963. 22 p. (Vsesoiuznyi zaochnyi tekhnikum sviazi)

Reaction of some electron-tube amplifier [illegible] sine-square pulses. V. I. Labuntsov, Kh. I. [illegible] Elektrosviaz' 17 no. 9:63-70 S '63.

Redz'ko, K. V. [Problems and exercises in [illegible] "Radio receiving devices"] Sbornik zadach i uprazhnenii po kursu "Radioprieminye ustroistva." Moskva, [illegible] giz, 1963. 187 p.

Straight amplification receiver. N. Labutenkin, [illegible] kina. V pom. radiolub. no. 12:15-20 '62.

RADIO—STUDY AND TEACHING

Teaching of electronics and radio engineering [illegible] A. M. Kugushev. Elektrichestvo no. 8:86-[illegible]

RADIO—TRANSMITTERS AND TRANSMISSION

Nurenberg, V. A., and I. A. Mindrovevskaia. [Fundamental principles of the design of automatic frequency stabilizing regulators] Osnovnye polozheniia po raschetu [illegible] ticheskikh regulatorov chastoty vzaimodeistvuiushchikh radiosredstv. Moskva, Sviaz'izdat, 1963. 52 p. (To help radioveshchaniia)

RADIO, MILITARY

In any situation they provide reliable communication. A. B. Tiurin, G. I. Khorkhordin. Voen. protivokhim. [illegible] no. 11:55-58 N '61.

In class like at the radio station. M. Zonin. Voen. vest. 42 no. 11:95-97 N '62.

Instructor's and methodological work with radio [illegible] geants. G. Kaptsevich. Voen. vest. 42 no. 11:[illegible] N '62.

Palii, A. I. [Radio warfare] Radiovoina. Moskva, Voenizdat, 1963. 204 p.

To great distances. N. Rodin. Voen. vest. [illegible] 99-100 N '62.

RADIO ASTRONOMY

Use of radio astronomy in studying X-radiation from solar flares [with summary in English]. IU. I. [illegible] Izv. Krym. astrofiz. observ. 29 152-160 '63.

Voices of distant worlds. S. IA. Braude. Znan. [illegible] no. 3:2-3 Mr '63.

RADIO FILTERS

Noise distribution at the output of a system consisting of two RC filters with intermediate square-law [illegible] IU. S. Lezin, B. D. Zabegalov. Radiotekhnika [illegible] 67-68 Ag '63.

Reply to IU. S. Lezin and B. D. Zabegalov's [illegible] V. P. Borodin. Radiotekhnika 18 no. 8:80 Ag '63.

RADIO FREQUENCY

Transmission of standard frequencies by radio stations. G. N. Palii. Izm. tekh. no. 9:40-50 My '63.

RADIO-FREQUENCY COSMIC RADIATIONS see Cosmic radiations, Radio-frequency

RADIO IN THE PETROLEUM INDUSTRY

Wireless remote control in oil fields. R. P. Vialov, G. [illegible] Kovalenko. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 3:113-117 '61.

RADIO INDUSTRY

Glandzhunjagev, E. T. [Specialization and cooperation in the radio industry] Spetsializatsiia i kooperirovanie v radiopromyshlennosti. Moskva, Mosk. energ. in-t, 1963. 22 p.

RADIO JOURNALISM

Contact! There is contact. V. Volkov. Sov. pech. no. 17 Ag '63.

A day 108 hours long. O. Kudenko. Sov. pech. no. 28-31 Ag '63.

It shines forth, it gives warmth, and it burns. V. I. [illegible] nenko. Sov. pech. no. 9:37-38 S '63.

The job isn't done just by the glitter.... V. Reliaev. Sov. pech. no. 10:24-25 O '63.

Journalist at the microphone. Sov. pech. no. 9:1-3 S '63.

One-sided "reciprocity." F. Krutov. Sov. pech. no. [illegible] 32 Ag '63.

Pages from a talking notebook. V. Adam. Sov. pech. no. 7:38-39 Jl '63.

Semiluki at the microphone. E. Shatskikh. Sov. pech. no. 8:33-34 Ag '63.

Wait to turn on the tape recorder! L. Lukianov. Sov. pech. no. 7:36-37 Jl '63.

RADIO LINES

Contribution to the theory of a nonuniform helical line. E. G. Solov'ev. Radiotekhnika 18 no. 7:20-24 Jl '63.

RADIO MEASUREMENTS

Device for measuring transmitted power of FM shortwave transmitters. M. V. Fondin. Vest. sviazi 23 no. 9:3-4 S '63.

Measuring instrument as a source of information. I. M. Sorkin. Radiotekhnika 18 no. 8:49-54 Ag '63.

Mirskii, G. Ia. [Radioelectronic measurements] Radioelektronnye izmereniia. Moskva, Gosenergoizdat, 1963. 527 p.

Strausov, B. G. [Measurements in electrical and radio engineering] Elektricheskie i radiotekhnicheskie izmereniia. Moskva, Mosk. aviatsionnyi in-t. No. 1. 1962. 69 p.

[MICROFILM]

Tereshin, G. M. [Radio measurements] Radiotekhnicheskie izmereniia. Moskva, Gosenergoizdat, 1963. 367 p.

RADIO PROGRAMS FOR CHILDREN

Broadcasting programs for the school radio. Nauka i zhizn' 30 no. 5:71-75 My '63.

RADIO RELAY SYSTEMS

Statistical calculation of nonlinear transitions caused by reflections in antenna feeders of multichannel radio relay systems. S. V. Borodich. Elektrosviaz' 17 no. 9:1-7 S '63.

RADIO WAVES

Nonstationary phenomena in boundary line refraction of radio waves. I. I. Nefedov. Radiotekh. i elektron. 8 no. 10:1659-1664 O '63.

Radio wave emission due to modulation of an intense light beam in a medium [with summary in English]. G. A. Askar'yan. Zhur. eksp. i teor. fiz. 45 no. 3:616-616 S '63.

RADIO WAVES—SCATTERING

Phenomenon of long-distance scattering of shortwaves reflected from the earth. S. S. Gorbenko. Vest. protivovozd. obor. no. 11:47-50 N '61.

RADIOACTIVATION ANALYSIS

Determination of chlorine, arsenic, and phosphorus impurities in some organic materials by the activation method. V. R. Negina, V. N. Zamiatnina, A. A. Egorova. Radiokhimiia 5 no. 2:270-272 '63.

Quantitative determination of the sum of rare-earth elements, ruthenium, palladium, and platinum in metallic beryllium using the activation method. V. N. Zamiatnina, I. A. Chikisheva. Radiokhimiia 5 no. 3: 294-296 '63.

RADIOACTIVE FALLOUT

(see also subdivision under Crimea)

Secondary dust component of radioactive contaminations in the bottom atmospheric layer. B. I. Styro and others. Atom. energ. 15 no. 5:439-441 O '63.

RADIOACTIVE PROSPECTING

Study of the activity of rocks induced by the action of fast neutrons. K. I. IAkubson. Trudy MINKhiGP no. 41:199-208 '63.

RADIOACTIVE SUBSTANCES

Lukianov, V. B. [Measurement and identification of beta-radioactive preparations] Izmerenie i identifikatsiia beta-radioaktivnykh preparatov. Moskva, Gosatomizdat, 1963. 168 p.

Sedov, A. I. [Radioactive substances] Radioaktivnye veshchestva. Moskva, Voenizdat, 1963. 49 p. (Nauchno-populiarnaia biblioteka voennogo izdatel'stva)

RADIOACTIVE SUBSTANCES—INDUSTRIAL APPLICATIONS

Large-scale radiation-chemistry plant with irradiator made from spent nuclear fuels. V. L. Karpov and others. Atom. energ. 15 no. 4:302-308 O '63.

RADIOACTIVE SUBSTANCES—THERMODYNAMIC PROPERTIES

Symposium on the Thermodynamics of Nuclear Materials. V. Akhachinskii. Atom. energ. 15 no. 4:316-351 O '63.

RADIOACTIVE SUBSTANCES—TRANSPORTATION

Revision of the international rules on the transportation of radioactive substances. N. I. Leshchinskii. Atom. energ. 15 no. 3:272 S '63.

RADIOACTIVE TRACERS

International Conference on Labeled Compounds. V. Bochkarev. Atom. energ. 15 no. 3:269-271 S '63.

Study of electrolytic transport in solutions of a copolymer of methacrylic acid by the radioactive tracer method. S. M. Kochargin, V. P. Barabanov, B. L. Bogdanov. Trudy KKhTI no. 30:277-281 '62.

Studying the interrelations of species in mixed stands by means of tagged atoms. A. G. Zyriaev. Les. khoz. 16 no. 8:24-26 Ag '63.

RADIOACTIVITY

Evolution of radioactivity and of general chemical composition of rocks in the Tien Shan northern zone. A. IA. Krylov. Radiokhimiia 5 no. 2:173-182 '63.

Radioactive equilibrium in rocks of eastern Antarctica. L. IA. Atrashenok, A. IA. Krylov. Radiokhimiia 5 no. 2: 170-172 '63.

RADIOACTIVITY—INSTRUMENTS

Warning device for radioactive contamination. M. V. Chashchin, IU. V. Seregin. Vest. protivovozd. obor. no. 11:63 N '61.

RADIOBIOLOGY

Review of the book "Radiation biology and medicine" [in English]. V. V. Alpatov. Vest. rent. i rad. 38 no. 1: 84-86 Ja-F '63.

Some results of work on the problem of radiobiology in public health institutions in 1961 [with summary in English]. L. I. Vorob'ev, I. V. Pushkin. Med. rad. no. 1: 36-41 '63.

RADIOBROADCASTING

(see also subdivision under Great Britain, Kuybyshev Province)

A day at Radio House. Arkadii Ravenko. Sov. pech. no. 5:36-40 My '63.

RADIOCARBON DATING

Improved techniques for the chemical preparation of samples for radiocarbon dating by the scintillation method. I. I. Starik, Sh. A. Vasilanov, I. B. Kleper. Radiokhimiia 5 no. 2:198-205 '63.

Mysteries and discoveries. Nauka i zhizn' 30 no. 5:16-17 My '63.

RADIOCHEMISTRY

Approximate values of the rate constants of radiation reactions when a hydrated electron is involved. A. K. Pikaev, P. IA. Glazunov, Vikt. I. Spitsyn. Dokl. AN SSSR 151 no. 6:1387-1389 Ag '63.

RADIOISOTOPES—ANALYSIS

Determination of ultrasmall quantities of uranium, radium, and thorium isotopes in silicate materials taken from the same batch. IU. V. Kuznetsov, V. K. Lugin, Z. N. Simonyak. Radiokhimiia 5 no. 2:189-197 '63.

Effect of the mass of a collector (hydrated oxide) on the sorption of trace amounts of certain radioactive isotopes. IU. V. Egorov, I. I. Krylov. Radiokhimiia 5 no. 2:205-211 '63.

Quantitative determination of the sum of rare-earth elements, ruthenium, palladium, and platinum in metallic beryllium using the activation method. V. N. Zamiatnina, I. A. Chikisheva. Radiokhimiia 5 no. 3: 294-298 '63.

RADIOISOTOPES—INDUSTRIAL APPLICATIONS

Use of scintillation counters in the radioisotope method of measuring the wear of toothed wheels. L. I. Tishchenko. Mekh. i avtom. v gor. prom. no. 9:108-110 '63.

RADIOISOTOPES—SAFETY MEASURES

Under reliable protection. Nauka i zhizn' 30 no. 5:12-13 My '63.

RADIOISOTOPES—THERAPEUTIC USE

New models of instruments for radioisotope treatment of cancer of the base of the tongue and the oral cavity [with summary in English]. M. F. Vyrzhikovskaia, E. P. Kutinova. Med. rad. 7 no. 12:61-63 D '62.

[Therapeutic and diagnostic use of radioactive isotopes] Lechebnoe i diagnosticheskoe primenenie radioaktivnykh izotopov, trudy konferentsii. Pod red. V. I. Shantyr'. Kiev, Gosmedizdat USSR, 1963. 257 p. (DNLM)

RADIOLOGISTS—DISEASES AND HYGIENE

Characteristics of blood coagulation system disorders in chronic (occupational) X-ray exposure [with summary in English]. V. I. Shevchenko. Med. rad. 7 no. 12:49-55 D '62.

Condition of the peripheral vessels in persons working on the cyclotron [with summary in English]. V. V. Alferova, L. V. Kuznetsova. Med. rad. 7 no. 12:32-37 D '62.

Thrombocytogram of X-ray room personnel. O. N. Piksanov. Vest. rent. i rad. 38 no. 1:55-56 Ja-F '63.

RADIOLOGY—CONGRESSES

They want to tame radioactivity. A. N. Studitskii. Kul't. i zhizn' 7 no. 2:36-38 '63.

RADIOLOGY, MEDICAL

Moscow. TSentral'nyi institut usovershenstvovaniia vrachei. [Problems of medical radiology] Problemy meditsinskoi radiologii, trudy instituta. Pod red. V. K. Modestova. Moskva, 1962. 168 p. (DNLM)

Review of the book "Radiation biology and medicine" [in English]. V. V. Alpatov. Vest. rent. i rad. 38 no. 1: 84-86 Ja-F '63.

Review of the book "Radiology, radiation therapy, nuclear medicine, and cancer research" [in German]. A. V. Kozlova. Vest. rent. i rad. 38 no. 1:87-84 Ja-F '63.

Work of the Commission on Press Problems at the Board of the All-Union Scientific Society of Roentgenologists and Radiologists. I. N. Ivanov. Med. rad. 7 no. 12:82 D '62.

RADIOLOGY, MEDICAL—BIBLIOGRAPHY see Bibliography—Radiology, Medical

RADIOLOGY, MEDICAL—EQUIPMENT AND SUPPLIES

New radiological equipment in oncology. G. A. Zedgenidze, IU. F. Kabatov. Med. rad. no. 1:77-85 '63.

RADIOMETRY

Comparative distribution of colloid solutions of radioactive yttrium salts in animals during intra-abdominal administration [with summary in English]. M. A. Volkova, S. G. Pel'man, S. I. Baklanova. Med. rad. 7 no. 12:3-7 D '62.

Determination of some rare-earth elements by radiometric titration with cupferron. B. M. Mastanov, V. V. Serebrennikov. Radiokhimiia 5 no. 3:347-350 '63.

Multicomponent radiometric analysis of rock samples with the USU-5K scintillation counter "Laura." A. L. IAkubovich, F. L. Zutsev, V. V. Anosov. Atom. energ. 15 no. 3:224-230 S '63.

Radiometric examination of the function of the thyroid gland in diseases of the liver and bile ducts [with summary in English]. B. B. Rodmanskii. Med. rad. no. 1: 32-36 '63.

Radiometry of granules of activated yttrium [with summary in English]. N. G. Morozova, F. M. Hass. Med. rad. 7 no. 12:59-61 D '62.

Some comparative data on two methods to study the taking of bone grafts by the use of radioactive indicators [with summary in English]. G. S. Gladkova. Med. rad. 7 no. 12:40-44 D '62.

RADIOSCOPIC DIAGNOSIS see Diagnosis, Radioscopic

RADIOTELEGRAPH

Radio control panel for instructional use. S. M. Volkovyskii. Vest. protivovozd. obor. no. 11:62-63 N '61.

RADIOTHERAPY

Colpostats from polyethylene for radiomanipulation in oncogynecology. M. T. Timoshenko. Med. rad. no. 1: 85-88 '63.

Radiation therapy as a method widening the range of operability in rectal cancer. M. M. Khrushchev. Vest. rent. i rad. 38 no. 1:57-61 Ja-F '63.

Some current problems of radiotherapy in malignant neoplasms. S. B. Balmukhanov. Zdrav. Kazakh. 23 no. 2:3-7 '63.

Tables for the calculation of the integral absorbed dose in combined radiotherapy of malignant tumors of the cervix uteri [with summary in English]. V. P. Luk'ianov. Med. rad. 7 no. 12:13-16 D '62.

RADISHCHEV, ALEKSANDR NIKOLAEVICH, 1749-1802

Pushkin and Radishchev. V. A. Malkin. Vop. filos. 17 no. 8:125-130 '63.

RADIUM ISOTOPES—ANALYSIS

Determination of $MsTh_1$ by measuring β-radiations of $MsTh_2$ in a radium preparation from which foreign radioelements were removed. N. G. Syromiatnikov, F. A. Mukashev, I. A. Kapatsinskaia. Radiokhimiia 5 no. 3:356-360 '63.

Rapid method of isolating radium isotopes for emanation measurements. P. I. Chalkin, N. V. Golubev. Radiokhimiia 5 no. 3:397-399 '63.

RADIUS—FRACTURE

Case of Galeazzi's fracture in a child. N. A. Ianboshits. Ortop., travm. i protez. no. 1:63-64 '63.

Late results of treating typical radius fractures. G. P. Gilbert. Ortop., travm. i protez. no. 1:23-30 '63.

RADIUS—WOUNDS AND INJURIES

Remote results of treating epiphysiolysis of the distal part of the radius. I. S. Khavkin, A. I. Kuzina. Ortop., travm. i protez. no. 1:30-34 '63.

RADON

Use of the emanation method in the study of calcium silicate hydrates. K. B. Zaborenko, R. Tetner, L. L. Melikhov. Radiokhimiia 5 no. 3:360-369 '63.

RADON—ANALYSIS

Rapid method of isolating radium isotopes for emanation measurements. P. I. Chalkin, N. V. Golubev. Radiokhimiia 5 no. 3:397-399 '63.

RADON—DECAY

Accelerated method to determine air pollution by daughter products of radon in medical institutions. I. I. Gusarov, V. K. Linpidevskii. Med. rad. 7 no. 12:63-67 D '62.

Trapping of shortlived daughter products of radon decay by FP fibrous filters. B. I. Ogorodnikov and others. Atom. energ. 15 no. 3:230-237 S '63.

RADON—THERAPEUTIC USE

Treatment of lumbosacral radiculitis by ingestion of radon water (general balneotherapy). Z. N. Agapova. Med. rad. 7 no. 12:17-21 D '62.

RAFTS

(see also subdivision under Ivanovo region, Vychegda River)

Nefedov, S. I. [Tackle supply bases and their equipment] Takelazhnye bazy i ikh oborudovanie. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963. 45 p. (Lesosplavatsiia)

[MICROFILM]

[illegible]

RAILROAD BRIDGES

[illegible]

RAILROAD BRIDGES—MAINTENANCE AND REPAIR

[illegible]

Providing for safety in repair of bridges. S. A. Lebedev, A. N. Tikhonov, Put' i put. khoz., 7 no. 11 '63.

RAILROAD ENGINEERING

"Album of arrangements of station and junction elements" by S. V. Zemblinov. [Review] Reviewed by L. A. Vetrenko. Zhel. dor. transp. 45 no. 5:92 My '63.

Calculating the traffic carrying capacity and the needed track expansion of the station throats. A. M. Kartavyi. [illegible] no. 29 61-67 '63.

Correct organization of maintenance of the station track system. I. P. Shiforov, Put' i put. khoz., 7 no. 7:17 '63.

Changing from wooden to reinforced concrete ties. I. G. Lilov. Put' i put. khoz., 7 no. 7:43-44 '63.

Determination of the interaction between a track and a rolling stock unit by the spectral analysis method. E. V. Pavlov. [illegible] no. 29 [illegible] '63.

Studying the forces in the various parts of the rail. [illegible] no. 29 [illegible] '63.

[illegible]

RAILROAD RESEARCH

[illegible]

In the Scientific and Technical Council of the Ministry of Railroad Transportation. Zhel. dor. transp. 45 no. 5: [illegible] My '63.

RAILROADS

Design of electromagnetic relays with a three-leg core magnetic system. D. M. Zelikson. Vest. TsNII MPS 22 no. 6:53-60 '63.

Letters to the editor. Put' i put. khoz. 7 no. 9:47 '63.

Railroad transportation at its new level. Zhel. dor. transp. 45 no. 5:3-7 My '63.

RAILROADS—ACCOUNTING

New developments in the planning and utilization of amortization deductions. I. A. Polishchuk. Zhel. dor. transp. 45 no. 5:82-87 My '63.

RAILROADS—ABSTRACTS

[Railroad transportation] Ref. zhur.: Zhel. dor. transp. no. 10 O '63.

RAILROADS—AUTOMATIC TRAIN CONTROL see subdivision under Canada

RAILROADS—BAGGAGE

Rodionov, V. P. [Check rooms for hand baggage] Kamery khraneniia ruchnoi kladi. Moskva, Transzheldorizdat, 1963. 65 p. (Bibliotechka rabotnika vokzala)

RAILROADS—BIBLIOGRAPHY see Bibliography—Railroads

RAILROADS—BRAKES

Effect of the boosters or emergency braking on the performance of the brakes in a train. F. I. Bolko. Vest. TsNII MPS 22 no. 6:40-43 '63.

RAILROADS—CARS

Electronic digital printing device for automating fuel weighing operations. V. N. Komarov. Elek. sta. 34 no. 11:65-70 N '63.

RAILROADS—CARS—DESIGN AND CONSTRUCTION

New type of cars for the "Rheingold" trains. Zhel. dor. transp. 45 no. 5:90-91 My '63.

RAILROADS—CARS—MAINTENANCE AND REPAIR

Mechanization of the operations of car servicing before trips. M. V. Khorlik. Zhel. dor. transp. 45 no. 5:75-76 My '63.

Simonov, P. M., and others. [Advanced method for the inspection and repair of cars in trains] Peredovoi metod osmotra i remonta vagonov v poezdakh. Moskva, Transzheldorizdat, 1963. 39 p.

RAILROADS—COMMUNICATION SYSTEMS

Meerson, S. I. [Electrical engineering and power supply sources for railroad CTC and communication systems] Elektrotekhnika i istochniki pitaniia ustroistv STsB i sviazi. Izd. 2., perer. i dop. Moskva, Transzheldorizdat, 1963. 403 p.

Rozenfeld, N. M., and N. I. Sorokodumova. [Television and its use in railroad transportation] Televidenie i ego primenenie na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1963. 146 p.

Sharskii, A. A. [Manual for electricians and repairmen of a railroad communication district] Posobie dlia elektromekhanika i montera linejnogo okolotka sviazi. Moskva, Transzheldorizdat, 1963. 162 p.

RAILROADS—ELECTRIC EQUIPMENT

[illegible]

Bolotnenko, N. F., N. K. Manoshin, and I. A. Tsetsura. [Track circuits] Rel'sovye tsepi. Moskva, Transzheldorizdat, 1963. 142 p. (Bibliotechka elektromekhanika STsB i sviazi)

RAILROADS—ELECTRIFICATION

Important yet still unsolved problems in the electrification of railroads. I. I. Okhoshin. Zhel. dor. transp. 45 no. 5:35-39 My '63.

RAILROADS—EMPLOYEES
(see also subdivision under Alma-Ata Province; Baltic States; Krivoy Rog; Leningrad; Tashkent; Tuapse; Turkestan)

Always in the front lines. I. K. Odnoboka. Put' i put. khoz. 7 no. 9:44 '63.

Honorary title won by the collective. M. K. Belin. Put' i put. khoz. 7 no. 7:20 '63.

Tunnel reconstruction worker Gachechiladze. I. I. Mormor. Put' i put. khoz. 7 no. 9:38 '63.

RAILROADS—EQUIPMENT AND SUPPLIES

Device for the observation of soil heaving and sagging. G. P. Bredun. Put' i put. khoz. 7 no. 7:15 '63.

Efficiency promoters of the Belansk Division. M. S. Dubenko. Put' i put. khoz. 7 no. 7:34 '63.

Improving the control instruments. V. A. Olshevskii. Put' i put. khoz. 7 no. 7:30 '63.

Improving the mechanisms. O. V. Stepanov, S. V. Pokrovskii. Put' i put. khoz. 7 no. 7:30-31 '63.

Eliminate the divisions from work which can and should be done in the factories. K. V. Brezgunov. Put' i put. khoz. 7 no. 7:45 '63.

Mechanization of the manufacture of bearing cards. V. I. Semenov, N. A. Tananykhin. Put' i put. khoz. 7 no. 7:11 '63.

Overhead tractor mounted brush cutter. A. I. Radchenko. Put' i put. khoz. 7 no. 9:47 '63.

Proposal of a defectoscope mechanic. V. IA. Pilnikov. Put' i put. khoz. 7 no. 7:43 '63.

Use of nylon bushings in sections with automatic block signaling. V. D. Oloviannikov, G. K. Basarov. Put' i put. khoz. 7 no. 9:25 '63.

Useful proposals. V. I. Pavlov. Put' i put. khoz. 7 no. 7:36 '63.

RAILROADS—FREIGHT

Applying the door-to-door principle in freight transportation. G. I. Kottush, A. M. Trushin. Zhel. dor. transp. 45 no. 5:22-24 My '63.

"Carrying and forwarding services on railroads" by V. V. Porozhenko, M. D. Stinik, E. S. Furman. Reviewed by D. V. Rubin, S. M. Rozet. Zhel. dor. transp. 45 no. 5:95-96 My '63.

Efficiency of the discontinuance of the use of multistop-delivery cars. A. A. Leshchinskii. Nauch. trudy KHIIT no. 55 32-38 '62.

[Manual on the transportation of perishable goods] Spravochnik po perevozke skoroportiashchikhsia gruzov. [By A. D. Vinokurov i dr.] Moskva, Transzheldorizdat, 1963. 323 p.

Mechanization and advanced technology are the basis for a further increase of labor productivity in freight operations. V. N. Korotkov. Zhel. dor. transp. 45 no. 5:25-31 My '63.

Prepare in due time for the transportation of agricultural products. S. F. Nachuchenko. Zhel. dor. transp. 45 no. 5:8-12 My '63.

Reducing car detention time in loading and unloading stations is an important potential. I. A. Bogdanov. Zhel. dor. transp. 45 no. 5:18-22 My '63.

Role of rapid freight trains in the international freight transportation. E. Matula. Zhel. dor. transp. 45 no. 5:88-89 My '63.

RAILROADS—FREIGHT CARS

Freight car capacity in the long-range design. L. A. Shadur, V. V. Lukin. Zhel. dor. transp. 45 no. 5:57-61 My '63.

Using opening-roof cars. T. Martirosian. Mor. flot 23 no. 10:16-17 O '63.

RAILROADS—HUMP YARDS

Automatic speed control of the motion of car cuts down the hump. A. V. Bykadorov. Trudy NIIZHT no. 29:92-110 '62.

Automation of production processes in classification yards. G. I. Oleshko. Nauch. trudy KHIIT no. 55 5-17 '62.

Calculating the time spent in the [illegible] in a classification yard. [illegible] no. 29 111-137 '63.

Design and planning of the [illegible] provided drawings. [illegible] KHIIT no. 55 60-71 '62.

Design and planning of the [illegible] terms. A. M. Karpov, B. I. Ab[illegible] no. 29 128-149 '63.

Hump yard theory for mechanized classification humps. [illegible] 68-91 '62.

Increasing the efficiency of [illegible] Shegun. Zhel. dor. transp. [illegible]

Investigating the dependence of the [illegible] systems for the [illegible] design of the throat and number [illegible] A. P. Shapulin. Nauch. trudy KHIIT [illegible]

Pavlov, V. I. [Automation of car classification classification yards] Avtomatizatsiia [illegible] vagonov na sortirovochnykh stantsiiakh. Uchebnoe posobie. Leningrad, Leningr. In-t inzhenerov transp., 1962. 40 p.

Run characteristics of long cars [illegible] down the hump. I. I. Bo[illegible] no. 6:50-62 '63.

Sorting of six-axle cars in humps [illegible] character[illegible] of retarder. N. R. Il'[illegible] Shafit. Zhel. dor. transp. [illegible]

Ways for further expanding and technical [illegible] classification stations. A. M. Kartavyi. [illegible] no. 29 3-10 '62.

RAILROADS—INTERNATIONAL COOPERATION

Role of rapid freight trains in international freight transportation. E. Matula. Zhel. dor. transp. [illegible] 88-89 My '63.

RAILROADS—LABOR PRODUCTIVITY

Collective of the Oktiabr' Main Line [illegible] increase of labor productivity. [illegible] Zhel. dor. transp. 45 no. 5:13 My '63.

RAILROADS—MAINTENANCE AND REPAIR
(see also subdivision under Kazakhstan)

Characteristics of the maintenance of [illegible] forced concrete ties. V. I. Feldman [illegible] 7 no. 6:19-20 '63.

Conveyor tunnels in the maintenance of [illegible] tions. F. P. Kondratov, V. M. Kru[illegible] 45 no. 5:69-71 My '63.

Defying situations. K. V. Ivanov. [illegible] 7 no. 7:28-29 '63.

Efficient method for the current maintenance. A. P. Molibozhko, A. M. Re[illegible] no. 9:6-8 '63.

Machine cuts the sand ballast. V. D. Ya[illegible] put. khoz. 7 no. 9:21 '63.

Make a better utilization of mechanization. G. P. Marlovchan. Put' i put. [illegible]

New technology for laying clamp pads. N. V. [illegible] Put' i put. khoz. 7 no. 9:28-29 '63.

Pay more attention to the electrification. V. A. Ivanov. Put' i put. kho[illegible]

Purpose for [illegible] operations. Put' i p[illegible] no. 9:1 '63.

Russia (1923- U.S.S.R.) Glavnoe upravlenie sooruzhenii. [Standard production norms for [illegible] pair on heaves based on technical specifications] Tipovye tekhnicheskii obosnovannye normy [illegible] po ispravleniiu zheleznodorozhnogo puti [illegible] Moskva, Transzheldorizdat, 1963. 22 p.

Technical conference in the Division. Put' i p[illegible] 7 no. 9:6 '63.

Use of asbestos ballast for the [illegible] bed. D. P. Kolgatin. Put' i put. khoz. [illegible]

Use of the "ShchOM-D" ballast cleaner in [illegible] A. I. Moskalenko, O. T. Sa[illegible]. Put' i p[illegible] no. 9:16-18 '63.

We use new methods of work. V. P. [illegible] i put. khoz. 7 no. 9:13 '63.

What kind of spare rail supply pro kilometer [illegible] ous tracks? D. P. Romenko. Put' i put. [illegible] 41 '63.

RAILROADS—MANAGEMENT
(see also subdivision under Donetsk Province)

Efficient method of organizing local operations [illegible] stations of high volume lines. P. S. Gr[illegible] transp. 45 no. 5:62-64 My '63.

Engineers and technicians should not be [illegible] sary correspondence. M. I. Ivanchenko. Put' i [illegible] khoz. 7 no. 1:14-15 '63.

Experience in the operation of a consolidated [illegible] D. G. Bradze. Put' i put. khoz. 7 no. 9:10 [illegible]

Firsov, S. I. [Progressive organization of the [illegible] technical inspection points] Peredovaia organizatsiia raboty punktov tekhnicheskogo osmotra. Moskva, Transzheldorizdat, 1963. 129 p.

First results of the new system of work. S. I. [illegible] Put' i put. khoz. 7 no. 9:22-23 '63.

RAILROADS—MANAGEMENT (Continued)

Improving the organization of petroleum and petroleum products transportation. V. M. Bagirov. Zhel. dor. transp. 45 no. 3:67-69 Mr '63.

Isroilov, I. I., A. K. Shubnikov, and V. M. Popov. [Linear freight planning in the planning of the fuel and electric power supply for railroad transportation] Lineinoe planirovanie v planirovanii toplivo- i energosnabzheniia zheleznodorozhnogo transporta. Moskva, Transzheldorizdat, 1963. 178 p.

Stage limitations of the traffic carrying capacity of single-track lines. G. D. Feldman, A. M. Barmov, V. F. Kozlov. Vest. TSNII MPS 22 no. 6:11-14 '63.

RAILROADS—PASSENGER CARS

Gertz, N. I., and others. [Preparing passenger cars for high-speed traffic, experience of the Oktiabr' Railroad] Podgotovka passazhirskikh vagonov dlia skorostnogo dvizheniia, opyt Oktiabr'skoi dorogi. Moskva, Transzheldorizdat, 1963. 47 p.

RAILROADS—RAILS

Loading of long rails. Ш. Б. Sal'nikov. Put' i put. khoz. 7 no. 7:8 '63.

RAILROADS—RAILS—DEFECTS

Results of the analysis of observations. Ш. N. Markov. Put' i put. khoz. 7 no. 7:35 '63.

RAILROADS—RAILS—FASTENINGS

Intermediate rail fastenings and improvement of the superstructure. D. G. Bendze. Zhel. dor. transp. 45 no. 5:45-49 My '63.

RAILROADS—RAILS—TESTING

Effect of corrosion on the wear of rail steel. V. V. Dobrokhotov. Vest. TSNII MPS 22 no. 5:60-62 '63.

Serviceability of the rail steel and ways to improve it. N. P. Shchapov, A. F. Zolotarskii, P. P. Tsukanov. Vest. TSNII MPS 22 no. 6:3-7 '63.

RAILROADS—RAILS—WELDING

Operation of welding machines. P. M. Rybkin. Put' i put. khoz. 7 no. 7:18 '63.

Realization of a project. A. M. Gutian. Put' i put. khoz. 7 no. 7:27 '63.

RAILROADS—RATES

Concentration of freight operations and the freight rates. Ш. N. Tikhonchuk. Zhel. dor. transp. 45 no. 5:42-45 My '63.

RAILROADS—SAFETY MEASURES

Carrying out a public assignment. N. A. Lebedev. Put' i put. khoz. 7 no. 7:10 '63.

Improving labor safety. A. N. Chukin. Put' i put. khoz. no. 7:37-38 '63.

Repair of ballast crushed stone. L. F. Zhukov. Put' i put. khoz. 7 no. 9:45-46 '63.

Standing watch for safety. D. A. Akol'zin, V. E. Akulov. Put' i put. khoz. 7 no. 9:32-33 '63.

RAILROADS—SIGNALING

Kotliarenko, N. F., N. K. Manoshin, and I. A. TSetsura. [Track circuits] Relsovye tsepi. Moskva, Transzheldorizdat, 1963. 142 p. (Bibliotechka elektromekhanika STsB i sviazi)

RAILROADS—SIGNALING—BLOCK SYSTEM

Stepanov, N. M., and A. M. Vasil'tsov. [RPB and BPLTs semiautomatic block systems] Sistemy putevoi poluavtomaticheskoi blokirovki RPB i BPLTs. Moskva, Transzheldorizdat, 1963. 182 p. diagrs. inserted (Bibliotechka elektromekhanika STsB i sviazi)

RAILROADS—SIGNALING—CENTRALIZED TRAFFIC CONTROL

Mueller, S. I. [Electrical engineering and power supply sources for railroad CTC and communication systems] Elektrotekhnika i istochniki pitaniia ustroistv STsB i sviazi. Izd. 2., perer. i dop. Moskva, Transzheldorizdat, 1963. 403 p.

New methods of work in sections with centralized traffic control. N. G. Kosorotov. Zhel. dor. transp. 45 no. 5:72-74 My '63.

Russia (1923- U.S.S.R.) Ministerstvo putei soobshcheniia. [Regulations governing the acceptance and use of automatic block system devices, electrical and dispatcher control interlocking systems] Pravila priemki v ekspluatatsiiu ustroistv avtoblokirovki, elektricheskoi i dispetcherskoi tsentralizatsii. Moskva, Transzheldorizdat, 1963. 30 p.

RAILROADS—SIGNALING—INTERLOCKING SYSTEMS

Karvatskii, S. B., M. P. Krasnikov, and G. A. Terpugov. [SKTs-62 code interlocking system] Kodovaia tsentralizatsiia sistemy SKTs-62. Moskva, Transzheldorizdat, 1963. 30 p. (Dostizheniia nauki i tekhniki v proizvodstvo)

Velitskov, P. K. [Standard networks of relay interlocking systems of small stations] Tipovye skhemy relеinoi tsentralizatsii malykh stantsii. Moskva, Transzheldorizdat, 1963. 123 p. (Bibliotechka elektromekhanika STsB i sviazi)

RAILROADS—SNOWPLOWS

Snow removing machine with brushes. A. G. Mikhailik. Put' i put. khoz. 7 no. 9:39 '63.

RAILROADS—STATIONS

Analyzing the layout of through division stations of single-track railroad lines. I. S. Erilov, V. V. Galevalidi. Trudy NIIZHT no. 29:150-160 '62.

Calculating the number of receiving and departure tracks in section and classification stations. N. I. Fedotov. Trudy NIIZHT no. 29:20-60 '62.

RAILROADS—SWITCHES

Alignment of switch tracks laid on reinforced concrete slabs. S. I. Semchuk. Put' i put. khoz. 7 no. 7:9-10 '63.

Insulation of the connected bands. B. L. Babitskii and others. Put' i put. khoz. 7 no. 7:31 '63.

Performance of switches laid on reinforced concrete slabs. M. V. Lishchuk and others. Put' i put. khoz. 7 no. 7:11-12 '63.

Wear and reinforcement of frogs with a G13I steel core. R. Z. Kats. Vest. TSNII MPS 22 no. 6:11-14 '63.

RAILROADS—SWITCHING

Analytical method for determining the basic norms for switching operations. A. N. Tolstoshei. Nauch. trudy KIIIT no. 55:39-50 '62.

RAILROADS—TECHNOLOGICAL INNOVATIONS

Prizes awarded by the Exhibition of Achievements of the National Economy to innovators in transportation. Put' i put. khoz. 7 no. 9:12-13 '63.

RAILROADS—TIES

Reconditioning a sleeper sawing machine. B. Derev. Les. prom. 10 no. 3:31 Mr '62.

RAILROADS—TIES, CONCRETE

Improve the quality of reinforced concrete ties. P. F. Il'in, S. A. Schivanov. Put' i put. khoz. 7 no. 7:21-22 '63.

Spring fastenings with double-layer clamps for reinforced concrete ties. N. V. Petrov, V. V. Kuptsov. Vest. TSNII MPS 22 no. 6:8-11 '63.

RAILROADS—TRACK
(see also subdivision under Siberia)

Alignment of tracks laid on reinforced concrete ties. V. G. Poliakov. Put' i put. khoz. 7 no. 9:23-24 '63.

The correct way to take dynamic actions into account in the evaluation of tracks by the level. B. V. Sorokin. Put' i put. khoz. 7 no. 9:35-36 '63.

Experience in the use of anchoring devices. Ш. L. Bumskov, Г. G. IAnovskaia. Put' i put. khoz. 7 no. 9:29-30 '63.

Laying of continuous rail tracks in a division. V. I. Sedunov. Put' i put. khoz. 7 no. 7:23-24 '63.

Network-wide conference of railroaders. Put' i put. khoz. 7 no. 9:9 '63.

New order of work for track patrolmen. Put' i put. khoz. 7 no. 9:10 '63.

Some considerations concerning the evaluation of the track condition. I. D. Kolomiets. Put' i put. khoz. 7 no. 9:14 '63.

Some results of the introduction of continuous rail tracks. M. S. Bochenkov. Put' i put. khoz. 7 no. 7:3-5 '63.

Treatment of creeping sections. N. M. IAnichev. Put' i put. khoz. 7 no. 7:13-15 '63.

RAILROADS—TRACK—BIBLIOGRAPHY see Bibliography—Railroads—Track

RAILROADS—TRACKLAYING MACHINERY

Inspection of tracklaying machinery. V. Medvedev. Starsh.-serzh. no. 5:28 My '63.

RAILROADS—TRAFFIC

Interaction between the train schedules of a junction and the technology of freight yard operations. L. L. Petrishin. Nauch. trudy KIIIT no. 55:28-31 '62.

Model of a railroad section in the memory device of the calculating machine. M. V. Lavrent'ev. Nauch. trudy KIIIT no. 55:18-27 '62.

Morozov, I. I. [Organization of train traffic on lengthened haul distances] Organizatsiia dvizheniia poezdov na udlinennykh tiagovykh plechakh. Moskva, Transzheldorizdat, 1963. 84 p. (Bibliotechka dezhurnogo po stantsii i poezdnogo dispetchera)

RAILROADS—TRAIN SPEED

Important potential for increasing train speeds. V. N. Liashchenko. Put' i put. khoz. 7 no. 7:6-7 '63.

RAILROADS, INDUSTRIAL

Potentials for reducing train resistance to motion in peat transportation. O. S. Skvortsov. Torf. prom. 40 no. 6:12-14 '63.

Tasks of the railroad transportation of the peat industry of the R. S. F. S. R. during the period from 1963 to 1964. Torf. prom. 40 no. 6:1-5 '63.

RAILROADS, INDUSTRIAL—RAILS

Long-length rails on logging railroads. O. G. Plekhov. Put' i put. khoz. 7 no. 7:7 '63.

RAILROADS, INDUSTRIAL—STATIONS

Design and planning of loading stations for the coal mining industry. A. M. Gorchakov. Trudy NIIZHT no. 29:161-170 '62.

RAILROADS, INDUSTRIAL—TRACKS see subdivision under Skopin

RAILROADS, NARROW-GAUGE

Standardization of narrow-gauge locomotives and cars. M. F. Smirnova. Les. prom. 11 no. 8:31-32 Ag '63.

RAILROADS, NARROW-GAUGE—CONSTRUCTION

Performance of the narrow-gauge construction and repair train. Kh. Kh. Stundilkov. Put' i put. khoz. 7 no. 9:11-12 '63.

Regulations for the design of narrow gauge tracks for strength. Put' i put. khoz. 7 no. 9:11 '63.

RAKHOV REGION—REFORESTATION

Forest plantations in the eastern Carpathians. I. S. Miniailenko. Les. khoz. 16 no. 8:36-37 Ag '63.

RAKOBUTY—POTTERY, PRIMITIVE

Settlement of the first century A. D. in the Rakobuty village on the southern Bug. V. D. Baran. Mat. i issl. z istorii i teorii arkheol. Prikarp. i Vol. no. 1:80-91 '62.

RAMAN EFFECT

Calculation of absolute intensities and depolarization in the Raman spectra of methane and its substitution of isotopes in the gaseous phase. N. I. Prokofieva, L. M. Sverdlov. Opt. i spektr. 15 no. 3:315-319 S '63.

Role of the thermal motion of molecules in the broadening of bands of Raman scattering of light. A. F. Bondarev. Izv. SO AN SSSR no. 7. Ser. khim. nauk no. 2:74-78 '63.

Rotational Raman spectra. Part 2. Vinyl acetylene C_4H_4. Z. P. Grishova, V. I. Tishin, V. M. Tatevskii. Opt. i spektr. 15 no. 3:320-324 S '63.

Temperature dependence of the band intensity of hydrogen bonds in Raman spectra of gypsum and Rochelle salt crystals. L. V. Chisler. Fiz. tver. tela 5 no. 9:2155-2160 S '63.

RAMULARIA see subdivision under Kedrovaya Pad' Preserve

RANGE FINDERS

Rod for a range finder with wires. P. S. Kargalov. Geod. i kart. no. 9:40-45 S '63.

RANGE FINDING

Firing with a large displacement. G. Slashchev. Voen. vest. 42 no. 11:107-108 N '62.

Sighting from a tank with a reference mark for the burst. Ш. Semenov, N. Romanov. Voen. vest. 43 no. 9:100-103 S '63.

The sighting rule for a fine direction instrument is improved. V. Fedorov. Voen. vest. 42 no. 11:110-112 N '62.

Target designation by a prepared reading. I. Likhodei. Voen. vest. 42 no. 11:76-77 N '62.

RANGOON—PAINTINGS, BURMESE—EXHIBITIONS

An unusual exhibition. Igor Mozheiko. Az. i Afr. segodnia no. 10:48-50 O '63.

RAPALLO, TREATY OF, 1922

The 1922 Genoa Conference (to be continued). N. N. Liubimov, A. N. Erlikh. Mezhdunar. zhizn' 10 no. 9:100-106 S '63.

RARE-EARTH ALLOYS

"Rare earth metal alloys" by E. M. Savitskii and others. Reviewed by Г. I. Gurovich. Zhur. neorg. khim. 8 no. 9:2214 S '63.

RARE-EARTH COMPOUNDS

Chemistry of rare-earth polyphosphates. A. K. Mustaev, R. T. IAkovenko. Izv. AN Kir. SSR Ser. est. i tekh. nauk 5 no. 4:13-16 '63.

Complex compounds of rare earth elements with 1, 10-phenanthroline. N. I. Lobanov, V. A. Smirnova. Zhur. neorg. khim. 8 no. 9:2206-2207 S '63.

Orthotantalates of lanthanum, samarium, and europium. E. I. Kryloy, M. M. Pinaeva-Strelina. Zhur. neorg. khim. 8 no. 10:2251-2257 O '63.

Rare-earth sulfamates. A. K. Mustaev, R. T. IAkovenko. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 4:5-8 '63.

Thermochemistry of the formation of complexes of some ions of rare earth elements with ethylenediaminetetraacetate. G. A. Pik. Zhur. neorg. khim. 8 no. 9:2099-2102 S '63.

Zone crystallization of compounds of rare-earth elements from some molten salts. V. K. Vaitsev, E. D. Ozia-shvili, L. K. Solov'ev. Izv. Sib. otd. AN SSSR no. 2:53-57 '62.

RARE-EARTH FLUORIDES

Formation of anomalous mixed crystals of CaF_2 - CeF_3 and CaF_2 - YF_3 during the crystallization of calcium fluoride from a melt. K. G. Miakishev, V. R. Klokman. Radiokhimiia 5 no. 4:401-411 '63.

RARE-EARTH HYDRIDES

On certain results of an X-ray spectrum analysis of cerium and lanthanum hydrides. E. E. Vainshtein and others. Dokl. AN SSSR 151 no. 6:1360-1363 Ag '63.

RARE-EARTH METALS

[illegible]

Obtaining single crystals of scandium, yttrium, and gadolinium. E M Savitskii and others. Tsvet. met. 36 no 5:51-52 My '63.

[illegible] V I [illegible] Metallo ed [illegible] 47-51 Je '63.

Rare earth metals in structural steel. A P Gulyaev, F A [illegible] Metallo ed i term [illegible] no 6:2-6 Je '63.

[illegible] E M Savitskii and others [illegible] Metallo ed i term obr met no 6:61 Ag '63.

[illegible] of complex compounds of lanthanum, cerium, [illegible] and neodymium with glutamic acid [illegible] Izv. Sib. otd. AN SSSR [illegible] 2.

[illegible] Metallo ed i term obr met no 6:62-64 Ag '63.

RARE-EARTH METALS—ANALYSIS

[illegible] Report No 3 Precipitation of cerium and praseodymium from molten [illegible] studied by the method of amperometric titration. V. K. Vaitsev, A. K. Kupriyanov, A. A. [illegible] Izv. SO AN SSSR no. 7. Ser. Khim nauk no. 2 [illegible] '63.

RARE-EARTH NITRATES

Complex compounds of nitrates of rare earth elements with 2,2-dipyridyl. N I Lobanov, V. A. Smirnova. Zhur. neorg. khim. 8 no 9 2208-2210 S '63

RARE-EARTH ORES

The [illegible] method for stripping rare-earth minerals [illegible] Izv AN Kaz SSR Ser est [illegible] no 4 17-21 '63

RARE-EARTH SULFIDES

Properties of rare earth metal monosulfides. V. I Marchenko, G V Samsonov Zhur neorg. khim. 8 no. 9 2035-2047 S '63

RARE EARTHS

Flotation method for separating rare-earth elements [illegible] Izv AN Kaz SSR Ser est [illegible] no 4 2[illegible] '63

Method for separating rare-earth elements based on the thermal dissociation of sulfates S A Bleshinskii and others Izv AN Kir SSR Ser est i tekh nauk 5 no 4 25-29 '63

Rare earths F Ovcharenko Nar khoz Kazakh 21 no. 4 73-79 Ap '63

RARE EARTHS—ANALYSIS

Determination of some rare-earth elements by radiometric titration with cupferron. B. M. Mar'ianov, V. V. Serebrennikov. Radiokhimiia 5 no. 3:347-350 '63.

RARE EARTHS—THERMODYNAMIC PROPERTIES

Thermodynamic characteristics of atoms and ions of rare earth and actinide elements G A Krestov Radiokhimiia 5 no 2 258-270 '63.

RAS SHAMRA—LAND TENURE

Rural communes and other forms of land tenure in the ancient kingdom of Ugarit. M. L. Gel'tser Vest. drev. ist no. 1:35-56 '63

RASPBERRY BREEDING see subdivision under Siberia

RAUWOLFIA

Effect of Rauwolfia preparations on the coronary circulation in hypertension patients [with summary in English] N A Gumennaia Vrach delo no. 9 50-54 S '63.

RAYON

Structural properties of viscose and their effect on the quality of cord fiber. V. A Miagkov, E A. Nikonova, E. A Pakshver. Khim. volok no 5 35-39 '63

RAYON—TESTING

Nature of pulse ultrasonic effects on viscose and acetate fibers. V T Faerman Khim volok no 5 59-64 '63

RAYON INDUSTRY

Determination of suspended matters in waste waters L. N Matorenok. Khim volok no 5 51-52 '63.

RAYON SPINNING

Formation of the supermolecular structure of viscose fibers during spinning. A T Serkov and others. Khim volok no. 5 40-45 '63

RAZORS

If an electric razor breaks down.... D Lepaev Nauka i zhizn' 30 no 5 93-100 My '63

READING (ELEMENTARY)

Instruction in reading. A. A. Kazakova Nach. shkola 31 no. 9 23-26 S '63.

REAL PROPERTY

Practice in the confiscation of houses, summer cottages, and other buildings constructed or bought on unearned income. So. iust no. 17:7-9 S '63.

REALISM IN LITERATURE

Basic stages in the development of realism in French literature. Article one From the Renaissance to the end of the 18th century. E O Preobrazhenskaia. Uch zap Perm. gos un. 23 no 2 102-113 '62.

Chicherin, A. V. [The Neruda stage in the history of critical realism] Nerudovskii etap v istorii kriticheskogo realizma Kiev, Izd-vo Akad. nauk SSSR, 1963. 18 p. (Doklady Sovetskoi delegatsii. V Mezhdunarodnyi s"ezd slavistov) [With summary in French]

Kraiboroda, N. E. [Russian realism and the formation of Ukrainian realist prose] Russkii realizm i stanovlenie ukrainskoi realisticheskoi prozy. Kiev, Izd-vo Akad. nauk USSR, 1963. 62 p (Doklady Sovetskoi delegatsii. V Mezhdunarodnyi s"ezd slavistov) [With summary in English]

REASONING

Vorob'ev, N. V. [Deduction by analogy] Umozakliuchenie po analogii, lektsii (Moskva) Izd-vo Mosk univ., 1963 24 p

RECEPTORS (NEUROLOGY)

Role of acetylcholine in the induction of excitation in receptors O P Dobromyslova Zdravookhranenie 6 no 2 31-35 Mr-Ap '63

RECIDIVISTS

Important factor in the prevention of recidivous crimes. I. Shmarov, G Tumanov. Sov. iust no 15 19 Ag '63.

RECLAMATION OF LAND see subdivision under Cuba

RECORDING INSTRUMENTS

Device for recording the parameters of the movement of switcher locomotives (electric switcher recorder). A N Tolstoshei Nauch. trudy KHIIT no. 55 81-87 '62.

Indicator for measuring very small displacements. K. I. Zablonskii, V I. Nassal' Izm tekh no 5 13-14 My '63

RECTUM—CANCER

Radiation therapy as a method widening the range of operability in rectal cancer M M Khrushchov Vest rent i rad 38 no 1 52-54 Ja-F '63

RED CROSS

Centenary of the Red Cross. M Vetrov. Nov. vrem. 21 no. 42:14-15 O '63.

Community is a great power. T. A. Nikolaeva. Sov. Kras. krest 13 no. 2 7 Mr-Ap '63.

Editor's mail. V. Kolesnikov and others. Sov. Kras. krest 13 no. 2:11 Mr-Ap '63.

Let's serve the people. G. A. Mitcrev. Sov Kras. krest 13 no. 2 4-6 Mr-Ap '63.

RED CROSS—CONGRESSES

To the Fifth All-Union Congress of the Union of the Red Cross and Red Crescent Societies of the U.S.S.R. E. A Korovin, E D Stasova. Sov. Kras. krest 13 no. 2: 1-3 Mr-Ap '63.

RED SPIDER see subdivision under Tashkent Province

REDUCTION, CHEMICAL

Calculation of the thermodynamic characteristics and conditions for the reduction of magnesium and calcium chromites. I. A. Novokhatskii. Izv. AN SSSR. Otd. tekh. nauk. Met i gor. delo no 2 3-8 Mr-Ap '63.

Conditions for the reduction of magnesium oxide by silicon during the smelting of magnesium addition alloys. I. V. Riabchikov, A. S. Mikulinskii Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2. 9-12 Mr-Ap '63.

Prospects for developing the silicothermal method of magnesium production. I. V. Frishberg. A. S. Mikulinskii. Izv. Sib. otd. AN SSSR no. 2 63-66 '62.

Silicon reduction from blast furnace slag [with summary in English]. V. I. Levchenko, S. T. Rostovtsev. Dop. AN URSR no. 8. 1046-1051 '63.

Thermochemical study of the reduction of potassium chlorate by sulfite in an acid medium. G. P. Arkhipova, I. F. Flis, K. P. Mishchenko. Trudy LTITSBP no. 11:124-127 '62.

Thermochemical study of the reduction reaction of chlorine dioxide and chlorine with sulfuric anhydride in water solutions at various temperatures. I F. Flis, K. P. Mishchenko, T. A. Tumanova. Trudy LTITSBP no. 11:94-98 '62.

REED, JOHN, 1887-1920

John Reed, the bard of revolution. S. Pavlova. Sov. profsoiuzy 19 no. 16.40-41 Ag '63.

REFLECTING TELESCOPE see Telescope, reflecting

REFLEXES

"Brain reflexes" by I M. Sechenov and his psychological views. Reviewed by A. Chebotarev. Doshk. vosp. 36 no. 8 51-54 Ag '63.

Hundredth anniversary of the "Brain reflexes" [illegible] Dulenko Biol v shkole no. 3:70-[illegible] My [illegible]

Prolonged disorders in reflex activity of the [illegible] following temporary occlusion of the [illegible] near its bifurcation [with summary in [illegible]] Kosheleva Pat fiziol i eksp. terap [illegible] Mr-Ap '63

Reflexometer with a plane screen and a [illegible] ing the speed of motor reactions in athletes [illegible] Verkhalo, IU. IA. Kiselev. Teor. i prak. fiz. [illegible] no. 8:37-39 Ag '63.

Role of inverse relationships in the circular [illegible] reflex reactions of an organism. I. A. [illegible] AN BSSR 7 no. 7:488-491 Jl '63.

Rossolimo's "reversed" reflex. D. A Markov, [illegible] Kot, N I Koshkina. Dokl. AN BSSR 7 no [illegible] Je '63

Secretory salivation and oral unconditioned [illegible] in male rats. M. A. Oganesiants. Zhur. [illegible] med. 4 no. 2:17-24 '63.

Types of reflection as the properties of matter [illegible] Kremianskii. Vop. filos. 17 no. 8:[illegible] [illegible]

REFORESTATION

(see also subdivision under Rakhov)

Carry out efficiently forest regeneration work [illegible] Bochkarev. Les khoz 16 no. 3:2-6 Mr '63.

REFORESTATION—EQUIPMENT AND SUPPLIES

Machines and tools for reforestation. V. M. [illegible] V. V. Chernyshev. Les. khoz. 16 no. [illegible]

REFRACTIVE INDEX

Fluctuations of the refractive index of the [illegible] bottom atmospheric layers. N. I. Kuzhev [illegible] Mosk. un. Ser. 3: Fiz., astron. 18 no [illegible] '63.

REFRACTOMETRY

Molecular refractions of some thorium [illegible] A. K. Molodkin, G. A. Skotnikova. Zhur. [illegible] 8 no. 10:2240-2247 O '63.

Rapid method for the refractometric determination of native proteins in vegetable juices. A [illegible] Vasil'kevich. Dokl. AN BSSR 7 no. 7 [illegible]

Refractometric control of the salting out [illegible] rations. N Chamin. Mias ind. SSSR [illegible] '63.

Refractometry of complex-forming reactions [illegible] solutions. E. A. Glumov. Zhur. neorg. khim. [illegible] 2334-2340 O '63.

REFRACTORIES INDUSTRY

(see also subdivision under Japan; United [illegible])

Into the account of the Southern Urals [illegible] 20 no. 9:427 '63.

REFRACTORIES INDUSTRY—EQUIPMENT AND SUPPLIES

Improving the operation of laboratory [illegible] K. A. Shvetsova. Ogneupory 28 no. 9:[illegible]

Modernization of vacuum belt presses. A. [illegible] Ogneupory 28 no. 9:422-424 '63.

Results of the public inspection of the introduction of new equipment at the Podol'sk refractory [illegible] plant. A. V. Vinogradov. Ogneupory 28 no [illegible]

REFRACTORY CONCRETE

Chromo-alumina concrete and block products. V. [illegible] Bron, K. P. Semavina. Ogneupory 28 no. [illegible] '63.

Testing refractory concrete blocks in soaking pits [illegible] V. I. Shakhlin, A. F. Tarasov, G. D. Salamov, [illegible] pory 28 no. 9:397-400 '63.

Using heat-resistant concrete in the construction of hearth and heating furnaces. N. I. Ivanov, [illegible] Stal' 23 no. 9:862 S '63.

REFRACTORY MATERIALS

At a conference of young research workers. I. I. [illegible] shii. Ogneupory 28 no. 9:428 '63.

Chamotte crown with air cooling. A. A. Kaigorod[illegible] proizv. no. 8 31 Ag '63.

Effect of physicochemical indices of basic refractories on the stability of acid converter linings. A. I. [illegible] IU. A. Krivchenko, G. F. Gul'ev. Ogneupory [illegible] 400-408 '63.

Firing Dankov dolomites in rotary kilns. P. S. [illegible] and others. Ogneupory 28 no. 9:380-[illegible]

Increasing the strength of lightweight products. [illegible] Rabinovich. Ogneupory 28 no. 9:382-[illegible]

Investigating the classification of ground [illegible] flow. K. N. Shishkin, N. G. Pakhmura. Ogneupory [illegible] no. 9: 418-422 '63.

Lining the walls of 100-ton arc furnaces with [illegible] brick and a spinel binding. V. A. Bron and others Stal' 23 no. 6:519-523 Je '63.

Mineral formation processes in blast furnace [illegible] mary in English]. L. I. Kariakin. Min. sbor. [illegible] 359-372 '62.

Possibility of increasing the durability of basic [illegible] hearth furnace crowns. S. M. Broit. Stal' 23 no. 6:516-518 Je '63.

REFRACTORY MATERIALS (Continued)

Pressing of thick refractories. V. I. Abumov, E. M. Zalesskii. Ogneupory 28 no. 9:421-425 '63.

Refractories made of Kempirsay chromite ores. P. N. Babin, R. G. Prokhorova. Trudy Inst. met. i obog. AN Kazakh. SSR 6 181-185 '63.

Seminar on refractory metals, their compounds and alloys. O. S. Atom. energ. 15 no. 3 266-267 S '63.

Stability of periclase-spinelide linings during the converting of copper matte. T. V. Demikhova, Iu. V. Voronitsov. Tsvet. met. 36 no. 9:37-41 S '63.

Using a dextrin solution as bonding material for high-grog refractories. T. I. Gorbatenko, N. I. Pitsyna. Steklo i ker. 20 no. 10:12-13 O '63.

Using grog-graphite tuyeres in the hearth bottoms of Bessemer converters. A. A. Tol'skii, N. T. Mastukov, A. K. Gordienko. Ogneupory 28 no. 9:394-396 '63.

REFRACTORY MATERIALS—BIBLIOGRAPHY see Bibliography—Refractory materials

REFRACTORY MATERIALS—STANDARDS

[illegible]

for raw materials used in their production as of October 1, 1959] Perechen' deistvuiushchikh standartov i tekhnicheskikh uslovii na izdeliia ogneupornoi promyshlennosti i iskhodnye materialy dlia ikh proizvodstva (po sostoianiiu na 1 oktiabria 1959 goda). Sost. A. G. Maranis, i L. D. Derevlanchenko. Leningrad, 1959. 71 p.

REFRACTORY MATERIALS—TESTING

Mechanism of the disintegration of the carbon lining in blast furnace hearths and hearth bottoms. I. M. Galemin, A. V. Gorokh. Ogneupory 28 no. 9:107-112 '63.

REFRIGERATION AND REFRIGERATING MACHINERY

Expansion of refrigeration in the meat combines of Moldavia. V. Zusmun. Mias. ind. SSSR 34 no. 4 30-32 '63.

Investigating the performance conditions of the MKM surface cooler. IA. S. Meerov. Masl.-zhir. prom. 29 no. 8:36-39 S '63.

REFRIGERATION AND REFRIGERATING MACHINERY—ABSTRACTS

[Chemical and refrigeration machinery manufacture] Ref. zhur.: Khim. i khol. mashinostr. nos. 4, 11 Ap-N '63.

REFRIGERATION ANESTHESIA

Method of selective cooling of the brain. J. Horecky, A. Pavková. Eksper. khir. i anest. no. 1:7-12 '63

REFRIGERATOR CARS

[Manual on the transportation of perishable goods] Spravochnik po perevozke skoroportiashchikhsia gruzov. [By A. D. Vinokurov i dr.] Moskva, Transzheldorizdat, 1963. 323 p.

What hampers the serial production of isothermal cars with machine cooling. V. V. Supin. Zhel. dor. transp. 45 no. 5:51-53 My '63.

REFRIGERATOR SHIPS

Calculating the insulation of the inner bottom in refrigerator ships. V. V. Stefanovich. Sudostroenie 29 no. 8:33-34 Ag '63.

REFRIGERATORS

Economic efficiency of the use of plastics in the manufacture of home refrigerators. N. P. Kocherov, N. P. Fedorenko, N. M. Anichkina. Plast. massy no. 10:43-45 '63.

REFUGEES—POLITICAL ACTIVITIES see subdivision under Germany, West

REFUGEES, RUSSIAN see subdivision under France

REGAR—COTTON GINS AND GINNING—HYGIENIC ASPECTS

On friendly terms with progress. Okhr. truda i sots. strakh. 6 no. 7:12-14 Jl '63.

REGENERATION (BIOLOGY)

Effect of castration on the regenerative and protective function of the skin in animals [with summary in English]. K. A. Kalantaevskaia. Vest. derm. i ven. 37 no. 2:3-6 F '63.

Lizard that grows a new tail and a bear on three legs. T. Kostygova. Sem'ia i shkola 18 no. 5:38-40 My '63.

Regeneration of femoral bone tissue following transplantation of an extremity; preliminary report. A. D. Khristich, K. I. Kotenin. Ortop., travm. i protez. 24 no. 2: 18-21 F '63.

Restorative processes in the mucous membrane of the duodenum after a radiation injury. I. A. Chailsov, L. B. Berlin. Dokl. AN SSSR 151 no. 6:1450-1452 Ag '63.

Two cases of regeneration of the epiphyses of the femur after osteomyelitis in children. V. I. Semenov. Ortop., travm. i protez. no. 1:71-73 '63.

REGIONAL PLANNING

Regional planning in large economic regions. M. Cherkasov. Arkhit. SSSR no. 5 30-36 '63.

REHABILITATION OF CRIMINALS

Placement in the custody of the Soviet public as a means of crime prevention and the rehabilitation of criminals. M. IU. Raginskii. Sov. gos. i pravo no. 10 70-81 O '63.

REINDEER—DISEASES AND PESTS

Protecting a reindeer herd from bloodsucking insects. N. P. Mezenev. Veterinariia 39 no. 9:67-68 S '62.

REINFORCED CONCRETE

Automatic control of the steaming regime for reinforced concrete products. A. G. Makovei. Shakht. stroi. 7 no. 7 26-28 Jl '63.

REINFORCED CONCRETE—CORROSION

Corrosion of reinforced concrete structures under the action of stray currents. A. N. Gol'dshtein, R. A. Zaveitkin. Prom. stroi. 40 [i.e. 41] no. 7 25-29 Jl '63.

REINFORCED CONCRETE CONSTRUCTION

Seminar "Industrial'nye metody elektrosetevogo stroitel'stva na baze shirokogo vnedreniia sbornogo zhelezobetona," 1962. [Materials of the Seminar on "Industrial methods for constructing electric-power distribution networks with extensive use of prefabricated reinforced-concrete structures"] Sbornik materialov seminara. Moskva, Orgenergostroi, 1962. 151 p.

REINFORCED CONCRETE CONSTRUCTION—TESTING

Theoretical and experimental investigation of the work of reinforced concrete slabs supported along the contour. L. A. Mel'nykova. Prykl. mekh. 9 no. 5:496-505 '63.

RELATIVITY (PHYSICS)

Normal coordinates and the general principle of relativity. IU. A. Rylov. Vest. Mosk. un. Ser. 3: Fiz., astron. 18 no. 3:55-65 My-Je '63.

RELIGION

Broadcasting programs for the school radio. Nauka i rel. 4 no. 5 71-75 My '63

Causes of the origin and manifestation of religious beliefs in adolescents. G. G. Bykova. Sov. pedag. 27 no. 6:31-40 Ag '63

Did religion always exist? V. Zybkovets. Nauka i rel. 4 no. 5 76-81 My '63

Questions and answers. Nauka i rel. 4 no. 5 95 My '63

Reading Solzhenitsyn's book... V. Bukin. Nauka i rel. 4 no. 5:90-91 My '63

They remember, when the bells of Volosovo grew silent. V. Vladimirov. Smena 40 no. 18:18-20 S '63.

RELIGION, PRIMITIVE
(see also subdivision under Georgia)

Akademiia nauk SSSR. Muzei istorii religii i ateizma. [The origin of religion; a brief reference book and guide] Proiskhozhdenie religii, kratkii spravochnik-putevoditel'. Sost. M. S. Butinova i N. N. Grevens. Moskva, Izd-vo Akad. nauk SSSR, 1962. 70 p.

RELIGION AND ETHICS
(see also subdivision under Rome)

Rogov, I. M. [Work, duty, and the purport of life; talks with believers and nonbelievers on communist and religious ethics] O trude, dolge i smysle zhizni; besedy s veruiushchimi i neveruiushchimi o kommunisticheskoi i religioznoi morali. [Leningrad] Lenizdat, 1963. 95 p. (Biblioteka ateista)

RELIGION AND SCIENCE

Drulanov, L. A. [Irreconcilable enemies] Neprimirimye protivniki. [Moskva] Moskovskii rabochii, 1963. 77 p.

Kaptarenko-Chernousova, O. K., B. B. Permiakov, and M. M. Permiakova. [Science and religion about our planet] Nauka i religiia pro nashu planetu. Kyiv, Derzhpolitvydav URSR, 1963. 58 p.

"Operation Eve." D. Ugrinovich. Nauka i rel. 4 no. 5: 12-13 My '63

REMARQUE, ERICH MARIA, 1898-

Some means of expressing causal relations in modern German; based on E. M. Remarque's novel "On the western front without change." L. G. Il'ina. Vop. filol. no. 1:84-101 '62.

REMOTE CONTROL

Automatic oil-recovery measuring device. R. P. Kuliev, P. I. Kalmykov. Azerb. neft. khoz. 42 no. 1:41-43 Ja '63.

Controlling open-hearth furnace gates from the charging machine. IU. I. Baranov, N. L. Kostousov. Stal' 23 no. 9:798-799 S '63.

Controlling the gates of an open-hearth furnace from a charging crane. A. M. Sandik. Lit. proizv. no. 8:31 Ag '63.

Disseminate this book among all construction workers. L. Mironenko, V. Chirkin. Nar. khoz. Kazakh. 21 no. 7: 78 Jl '63.

Musatov, T. P. [Operation of substations containing remote control systems] Ekspluatatsiia telemekhanizirovannykh podstantsii, opyt "Donbassenergo." Kiev, Gostekhizdat USSR, 1963. 22 p. (Obmen peredovym opytom)

Remote control of the parameters of an air drying system. V. A. Smirnov. Der. prom. 12 no. 6:8 Je '63

Remote-controlled fuel supply at a gas-generator station. IU. I. Baranov, N. L. Kostousov, V. I. Stepanov. Mekh. i avtom. proizv. 17 no. 8:13-15 Ag '63.

Transmission of remote control signals using high-voltage distribution lines with zero-sequence network. B. V. Smirnov, V. P. Petrov. Elektrichestvo no. 9:27-33 S '63

Wireless remote control in oil fields. R. P. Zlatlov, G. G. Kovalenko. Izv. vys. ucheb. zav., neft' i gaz 4 no. 3 113-117 '61.

RENAUDOT, THEOPHRASTE, 1586-1653

Information about Russia in Theophraste Renaudot's "Gazette." A. L. Gol'dberg. Trudy [Len.] publ. bibl. 11:139-151 '63.

RENT see subdivision under Italy

RENTING OF EQUIPMENT, ETC.

Follow-up of our reader's letter. Sov. deput. trud. no. 9 80 S '63.

REPARATION

Kutsova, E. F. [A damage suit in criminal procedure] Grazhdanskii isk v ugolovnom protsesse, lektsii dlia studentov iuridicheskikh fakul'tetov. [Moskva] Izd-vo Mosk. univ. 1963. 34 p.

REPIN, IL'IA EFIMOVICH, 1844-1930

Granovskii, B. B., and I. N. Granovskii. [Russian songs in the life of Repin] Russkaia pesnia v zhizni Repina; novye materialy. Moskva, Sovetskii kompozitor, 1962. 31 p.
(MIU)

REPRESENTATIVE GOVERNMENT AND REPRESENTATION see subdivision under Poland

REPTILES

"Fishes, amphibians and reptiles and their study in schools" by V. P. Gerasimov. Reviewed by E. S. Lysov. Biol. v shkole no. 3 92-93 My-Je '63.

REPTILES—EMBRYOLOGY see Embryology—Reptiles

RESEARCH

All-Union communal review of the fulfillment of the plans of research work and the introduction of the achievements of science and technology in the national economy. Der. prom. 12 no. 6 12 Je '63.

A. N. Krylov's thoughts on certain aspects of organizing scientific and technological research. A. M. Bakhrakh. Sudostroenie 29 no. 8:10-12 Ag '63.

Decision of the Presidium of the Central Committee of the Council of Trade Unions of April 6, 1963. V. Chikshin. Elektrichestvo no. 8:93 Ag '63.

Let's increase the efficiency of research. V. A. Venikov. Vest. vys. shkoly 21 no. 9:36-40 S '63.

Some remarks on the development of scientific studies. L. Sh. Davitashvili. Vop. filos. 17 no. 8:155-162 '63.

RESEARCH—COSTS see subdivision under Kazakhstan

RESEARCH—REWARDS, PRIZES, ETC.

Competition for gold medals and prizes established in memory of outstanding scientists and scholars of the Academy of Sciences of the U. S. S. R. Elektrichestvo no. 9:91-92 S '63.

Competitions for personal prizes sponsored by the Academy of Sciences of the U. S. S. R. Elektrichestvo no. 8:93 Ag '63.

RESEARCH, INDUSTRIAL
(see also subdivision under Ukraine)

Concerning the All-Union volunteer inspection of the carrying out of scientific research plans and the introduction of achievements in science and technology to the national economy. Lit. proizv. no. 8 42-43 Ag '63.

Improve the level of training and research work. M. Chernov. Rech. transp. 22 no. 8:8-9 Ag '63

Planning scientific research on the basis of scientific and technological information. M. F. Prokof'ev. NTI no. 4:7 '63.

RESEARCH LIBRARIES

Present state and prospects for the development of service to readers in research libraries. F. S. Abrikosova. Trudy Gos. bibl. SSSR 6 70-86 '62

RESERPINE

Effect of reserpine on increased arterial pressure caused by the use of cortisone. V. L. Failenbogen. Vrach. delo no. 7:132 Jl '63.

Use of reserpine and aminazine for the treatment of some forms of climacteric neuroses. A. M. Raskin. Akush. i gin. no. 2:65-69 '63.

RESERVOIRS

[illegible] V. I. Pik[illegible] Plast. massy, [illegible]

[illegible] Sov. [illegible] Plast. massy, [illegible]

RESINS, SYNTHETIC

Modification of epoxide resins with feryl resins, L. I. Matveyuk, Kh. Sh. Kharitov, E. V. Zubov, Plast. massy, no. 9, 69-70 '63.

[illegible] Plast. massy, [illegible]

Reaction of triethanolamine with epichlorohydrin resins of bisphenol type, I. [illegible], P. Z. I. Plast. massy, no. 10, 14-15.

Synthesis of the N,N'-bis-(2-hydroxypropyl)-piperazine and its [illegible], I. I. Konkin, P. P. Shorygin, Plast. massy, no. 10, 16-17 '63.

RESISTANCE TO FUNGICIDES

[illegible] Phytophthora infestans [potato blight] to copper [illegible] in England], Yu. I. Dmitriev, I. I. Tokhtuyev, Agrokhimiya, no. 2, 142-[illegible] '63.

RESPIRATION

Characteristics of ventilation in normal conditions and in some chronic diseases [with summary in English], N. A. Faleyeva, Vest. otorinolar., no. 2, 37-41 '63.

Disorders in pulmonary ventilation in patients with chronic bronchitis and heart defects [with summary in English], I. A. N. Dotsenko, Vrach. delo, no. 7, 38-41 Jl '63.

Effect of the stimulation of the vascular receptors of the pleura, F. A. Yevstafiyeva and P. P. Poloskukhin's antishock fluids on blood pressure and respiration, Zh. B. Vsesoyuz. [illegible] Kazakh SSR Sci. med. nauk, no. 1, 7-11 '63.

Influence of the somatic apparatus DP-2 for automatic control of respiration in the hospital model of the [illegible] manufactured from the "Krasnogvardeets" plant, I. V. Rodin, Eksper. khirurgiya, no. 1, 79-80 '63.

Regulation of respiration in man, N. F. Marshak, Rezervy [illegible] M. Britkin, Fiz. fiziol. i lekar. terapiya, no. 1, 90-91 Ja-F '63.

Role of the cerebral cortex in the compensation of respiratory disorders due to pulmonary lesions, E. S. Maiman, Zhur. eksper. i klin. med., no. 1, 45-55 '63.

RESPIRATORS

Hints for improving modern equipment for prolonged artificial respiration [with summary in English], V. P. Dorokhov, Vest. khir., no. 3, 84-87 Mr '63.

RESPIRATORY ORGANS—DISEASES

Effect of fluorine and fluorine-containing aluminum oxide dust on the upper respiratory tracts, I. M. Ispuganov, Vrach. delo, no. 7, 119-122 Jl '63.

Treatment of chronic tonsillitis and diseases of the mucous membrane of the nose, the larynx, and the pharynx by means of inhalations in the "Turksib" sanatorium, V. S. Moshkovich, Izv. AN Kazakh SSR Ser. med. nauk, no. 1, 53-57 '63.

RESPIRATORY ORGANS—OBSTRUCTIONS

Tracheostomy in the compound treatment of a severe injury, S. G. Girshin, Ortop., travm. i protez., 24, no. 2, 57-61 F '63.

RESPIRATORY ORGANS—MICROBIOLOGY

"New" respiratory viruses, R. S. Dreizin, V. D. Beletskii, O. D. Markovich, Vop. virus., 8, no. 3, 259-263 My-Je '63.

RESPIRATORY ORGANS—WOUNDS AND INJURIES

Experimental therapy of thermal burns of the upper respiratory tracts and the lungs [with summary in English], P. A. Lokot' and others, Pat. fiziol. i eksp. terap., 7, no. 1, 23-28 Ja-F '63.

RESTAURANT MANAGEMENT

Introduce the use of frozen cooked meals in restaurants, N. Voitenko, Obshchestv. pit., no. 8, 21 Ag '62.

Orkin, G. A. [Control of volunteers over the work of public dining rooms] Obshchestvennyi kontrol' za rabotoi stolovykh. [Moskva] Profizdat, 1963, 77 p. (Bibliotechka profsoiuznogo aktivista, no. 11(68))

RESTAURANTS, LUNCHROOMS, ETC.

Automatic machinery lines for self-service restaurants, P. Gorbach, Obshchestv. pit., no. 8, 36-37 Ag '62.

Customers should have inexpensive food, A. Bolkhina, A. Timofeeva, Sov. potreb. koop., 7, no. 9, 26-27 S '63.

Design features and distribution of eating areas in industrial enterprises, V. D. Demchenko, Sbor. trud. NII po obshch. ASIA [Sverd.], no. 8, 50-63 '63.

For people fond of fish food, P. Nikitin, Obshchestv. pit., no. 8, 12-14 Ag '62.

More eating establishments! Obshchestv. pit., no. 8, 1-2 Ag '62.

Roshin, I. D. [Automation in public eating establishments] Avtomatizatsiia na predpriiatiiakh obshchestvennogo pitaniia. Moskva, Gostorgizdat, 1963. 230 p.

Terms and [illegible] Sov. [illegible], no. 4, 15-18 Ap '63.

What should, there and how, interviews with the representatives of construction, design and planning organizations, Obshchestv. pit., no. 8, 11 Ag '62.

RESTAURANTS, LUNCHROOMS, ETC.—EQUIPMENT AND SUPPLIES

Pots and [illegible], P. Mgenov, Obshchestv. pit., no. 8, 34-35 Ag '62.

RESTAURANTS, LUNCHROOMS, ETC.—MANAGEMENT

Subject to public control, Sov. potreb. koop., 7, no. 7, 33-41 Jl '63.

RESTAURANTS, LUNCHROOMS, ETC.—STATISTICS

Statistics of the turnover of goods and production output, F. Mostovnaia, Obshchestv. pit., no. 8, 10-11 Ag '62.

RESURRECTION—BIBLICAL TEACHING

Death and resurrection, M. Sullivan, Nauka i rel., 1, no. 10, 24-26 My '63.

RETAIL STORES see Stores, Retail

RETAIL TRADE
(see also subdivision under Krasnoarmeysk, Kokchetav Province, Rostov-on-Don, Uzbekistan)

Most important task of trade-union organizations, Sov. potreb. koop., 7, no. 9, 3-6 S '63.

[Trade abroad; organization, new methods, and equipment of trade and public food service] Torg. za rub.; org., nov., metody, tekh. torg. i mass. pit., no. 10 '63.

Turnover of goods, purchasing funds and currency circulation, S. Uosis, Sov. torg., 36, no. 9, 21-23 S '63.

Work routine, Sov. torg., 36, no. 9, 1-4 S '63.

RETAIL TRADE—EQUIPMENT AND SUPPLIES see subdivision under Andizhan Province

RETAIL TRADE—FINANCE see subdivision under Yaroslavl Province

RETINA—DISEASES

Surgical treatment of retinal detachment, R. A. Gundorova, Med. sestra, 22, no. 8, 39-43 Ag '63.

RETTING

Microflora of the retting liquor in case of the modified two-phase retting of kenaf and jute bast, F. I. Fishimova, T. T. Dvetkova, Nauch.-issl. trudy TSNIILV, 17, 36-44 '62.

Modified two-phase biological retting of kenaf and jute bast, K. M. Mironov, N. V. Rostovtseva, Nauch.-issl. trudy TSNIILV, 17, 20-36 '62.

Selection and improvement of mechanisms for the aeration of the liquid in aerated water retting, S. I. Dorbene, Nauch.-issl. trudy TSNIILV, 16, 3-33 '62.

REVOLUTIONARY POETRY

Prokushev, Iu. L. [Poetry of the October Revolution] Poezila Oktiabria. Moskva, Izd-vo "Znanie," 1963. 45 p. (Novoe v zhizni, nauke, tekhnike. VI Seriia. Literatura i iskusstvo, no. 15)

REVOLUTIONARY POETRY, FRENCH

Poets of the revolution, L. Lileeva, Vop. lit., 7, no. 8, 237-239 Ag '63.

REVOLUTIONISTS

Concern for the future, Iu. Repin, Doshk. vosp., 36, no. 7, 78-82 Jl '63.

REWARDS (PRIZES, ETC.)

Achievements of science in production, Les. prom., 41, no. 6, 2 of cover Je '63.

RHENIUM

Extraction of rhenium and molybdenum with trioctylamine from sulfuric acid solutions, A. A. Zaitsev and others, Zhur. neorg. khim., 8, no. 9, 2184-2186 S '63.

Extraction of rhenium by pyridine bases, A. A. Zaitsev and others, Zhur. neorg. khim., 8, no. 10, 2107-2411 O '63.

Lebedev, K. B. [Rhenium] Renii. 2 izd., pererab. i dop. Moskva, Metallurgizdat, 1963. 207 p.

Properties and use of rhenium, K. B. Povarova, M. A. Tylkina, Biul. tekh.-ekon. inform., Gos. nauch.-issl. inst. nauch. i tekh. inform., no. 9, 7-11 '63.

Second All-Union Conference on Rhenium, M. A. Tylkina, K. B. Povarova, Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo, no. 2, 174-176 Mr-Ap '63.

RHENIUM—METALLURGY

Interaction of rhenium heptoxide with calcium oxide in the presence of sulfurous anhydride, Iu. A. Nikiforov, V. D. Ponomarev, Trudy Inst. met. i obog. AN Kazakh SSR, 6, 51-54 '63.

Selecting an adsorbent and a solution for the recovery of rhenium and thallium from [illegible], K. B. Lebedev, T. Sh. Turichenko, Sbor. [illegible] Moskva, Gosatomizdat, 1963, 6, 110 [illegible]

RHENIUM CHLORIDE—THERMODYNAMIC PROPERTIES

Obtaining thermal constants by the method of dissociation of the vapor of rhenium chloride, A. A. Baryshnikov, M. V. Lebedinskii, Izv. vuzov. Tsvetn. metallurgiia, no. 1, 161-168 '63.

RHENIUM COMPOUNDS

Electrovaporization method for determining chemical constants of the compounds of the transition elements. Part 2. Determination of physicochemical values of Re and its [illegible], Sh. Shvedov, K. V. Kotegov, Radiokhimiya, [illegible], 378 '63.

RHEOLOGY

Structure-mechanical and other properties of paste during its transition from the [illegible] resilient-brittle state [with summary in English], Ch. Mangoretenko, I. G. Gorbatov, Kolloid. zhur., 25, 600-605 S-O '63.

RHEUMATIC FEVER

Antibodies to the inhibition of the rheumatoid [illegible] Golod, Pat. fiziol. i eksp. terapiya, 7, no. 1, [illegible] '63.

Changes in the nervous system in rheumatic fever [with summary in English], L. A. Chilingarova, Zhur. nevropat. i psikhiat., 63, no. 8, 1258-63 '63.

Epileptiform syndrome in rheumatic fever [with summary in English], N. M. Shikhova, N. V. Ibragimova, Vrach. delo, no. 7, 17-21 Jl '63.

RHEUMATIC HEART DISEASE

Cardiovascular system in rheumatic patients [illegible] with ACTH and steroid hormones [with summary in English], G. S. Kozlov, E. I. Tyutunova, [illegible], no. 7, 12-16 Jl '63.

Rheumocarditis during the interparoxysmal [illegible] [with summary in English], R. I. Mikaniki, I. I. [illegible], A. Z. Shishevskaia, Vrach. delo, no. 7, [illegible]

X-ray diagnosis of disorders of the heart in fever, V. V. Zolkov, V. A. Shantin, Terapevt. arkh., no. 2, 82-85 F '63.

RHODESIA, SOUTHERN—WOMEN—Rights, duties

Not None! Nothing; letter from Southern Rhodesia, prof. deiatel., no. 7/8, 31 Jl-Ag '63.

RHODESIA AND NYASALAND—INVESTMENTS, British

The heirs of Cecil Rhodes [with English summary], D. Kreshkin, Az. i Afr. segodn., no. 11, 28 '63.

RHODOCHROSITE see subdivision under Minerals, Insulin

RIABUSHKIN, ANDRIY PITTROVICH, 1861-1904

Treasure chest, Ipat. Dolgopolov, Ogonek, 41, 16-17 S '63.

RIBOFLAVIN

Effect of chlortetracycline on the riboflavin balance, T. P. Novozhilova, Antibiotiki, 7, no. 7, 653-[illegible]

RICE see subdivision under Astrakhan-Bukhara Region, Kzyl-Orda,

RICE—DISEASES AND PESTS see subdivision under Krasnodar Territory

RICE—HARVESTING

It is necessary to improve the SKPR-3 combine, [illegible] film, Tekh. v sel'khoz., 23, no. 8, 77-78 [illegible]

RICKETS see subdivision under Alma-Ata

RICKETTSIAL DISEASES

Akademiia meditsinskikh nauk SSSR, Moscow. [Problems] in the pathology of infectious diseases and immunology. Voprosy infektsionnoi patologii i immunologii, P. F. Zdrodovskogo, Moskva, Medgiz, 1963. 227 p.
(DNLM)

RIFLE PRACTICE

Firing a large-caliber rifle from a fixed position, Iu. Kudriashov, Voen. znan., 39, no. 9, 26-27 S '63.

RIGA—CALLISTHENICS

Callisthenics at the textile combine Rigas Audums, Lazurka, Teor. i prak. fiz. kult., 26, no. 8, 52-54 '63.

RIGA—CONSTRUCTION INDUSTRY

Specious promises; a satirical sketch, S. Rudenko, deput. trud., no. 6, 110-111 Je '63.

RIGA—LABORATORIES—DESIGN AND CONSTRUCTION

Plan of the building of a research institute in Riga, Iu. Platonov, V. Rannev, Arkhit. SSSR, no. 5, 11-[illegible]

RIGA—TEXTILE WORKERS

Callisthenics at the textile combine Rigas Audums, Lazurka, Teor. i prak. fiz. kult., 26, no. 8, [illegible] '63.

RIGHT OF PROPERTY

M[illegible]zhin, V. P. [Ownership rights on the property of inter-collective farm enterprises and organizations] Pravo sobstvennosti na imushchestvo mezhkolkhoznykh predpriiatii i organizatsii [Moskva] Izd-vo Mosk. univ. 1963. 75 p.

Property rights to residential buildings. O kvartirnom prave. Biul. prav. n.v. 3:68-70 My-Je '63.

RINGS (ALGEBRA)

Brief sketch of the theory of ideals in algebra. N. G. Chebotarev. Ist.-mat. issl. no. 14:539-550 '61.

Imbedding of cross products into bodies. V. A. Bovdi. Dokl. AN SSSR 151 no. 6:1253-1255 Ag '63.

On semi-incompact biregular rings. L. V. Skornikov. Mat. sb. 62 no. 1:3-13 S '63.

RINGWORM

(see also subdivision under Azerbaijan, Kashin District, Sapozhok District)

Correlations developing during griseofulvin treatment in microsporia. P. I. Kondopulo, L. V. Stroeva. Vest. derm. i ven. 37 no. 2:77-78 F '63.

Spontaneous recovery from scalp microsporia caused by Microsporum lanosum. I. S. Popov. Vest. derm. i ven. 37 no. 2:48-51 F '63.

RITES AND CEREMONIES see subdivision under Georgia, Kazakhstan

RIVERS

(see also subdivision under Dzungarian Alatau, East European Plain, Soviet Central Asia, White Russia, Yaroslavl Province)

Similarity between underground and surficial river structures. M. Sherban, I. Liman. Nov. kar. i spel. no. 3:80-81 '63.

Use of the synoptic-climatological method of the Main Geophysical Observatory for the forecasts of water conditions on the rivers. E. S. Zmieva. Meteor. i gidrol. no. 8:46-52 Ag '64.

RIVERS—REGULATION

River regulation in the Northern Basin. A. Vil'pert. Rech. transp. 22 no. 9:43-45 S '63.

ROAD CONSTRUCTION

(see also subdivision under Penza Province)

Blasting in road construction. N. V. Lisin. Avt. dor. 26 no. 9:17 S '63.

Popova, Z. A. [Laboratory manual on soil science and geology] Laboratornyi praktikum po gruntovedeniiu i geologii. Moskva, Avtotransizdat, 1963. 125 p.

Russia (1923- U.S.S.R.) Ministerstvo putei soobshcheniia [Production norms for design, planning and surveying work paid according to piece rate wage system] Normy vyrabotki na proektnye i izyskatel'nye raboty, oplachivaemye sdel'no. Moskva, Transzheldorizdat.

Pt 18 [Railroads, bridges, tunnels] Zheleznye dorogi, mosty, tonneli.

Sec. 1 [Tunnels] Tonneli. 1954. 74 p.

Pt 19 [Automobile roads, city transportation] Avtomobil'nye dorogi, gorodskoi transport. 1954. 31 p.

Treskinskii, S. A. [Roads on moving soils] Dorogi v gidrizhnykh gruntakh. Moskva, Avtotransizdat, 1963. 143 p.

ROAD MACHINERY

Stone-screenings distributor used in surface finishing of black gravel pavements. A. G. Seiranov. Za tekh. prog. 3 no. 3:41-43 Mr '63.

ROAD MACHINERY—ABSTRACTS

[Manufacture of mining machinery, construction equipment, and road machinery] Ref. zhur.: Gor., stroi. i dor. mashinostr. nos. 10-11 O-N '63.

ROAD MATERIALS

Road beds made of cement-reinforced weak materials. A. P. Kuznetsov. Avt. dor. 26 no. 9:14-15 S '63.

Use of epoxy resins in the manufacture of road concrete. A. S. Elenovich, K. P. Mashin. Plast. massy no. 10:61-62 '63.

ROAD MATERIALS—TESTING

Testing the compactness of saline-soil banks. P. V. Sovelev. Avt. dor. 26 no. 9:16-17 S '63.

ROADS

(see also subdivision under Zaporozh'ye)

Dubrovin, E. N., L. K. Zaitsev, and E. IA. Turchikhin. [The economics and the organization of the building and maintenance of city roads] Ekonomika i organizatsiia stroitel'stva i ekspluatatsii gorodskikh dorog. Moskva, Izd-vo MKKh RSFSR, 1963. 233 p.

Russia (1917- R.S.F.S.R.) Ministerstvo kommunal'nogo khoziaistva. Tekhnicheskoe upravlenie. [New equipment for housing and communal services, city road and bridge systems and transportation] Novaia tekhnika zhilishchno-kommunal'nogo khoziaistva, gorodskoe dorozhno-mostovoe khoziaistvo i transport. Nauchno-tekhnicheskii informatsionnyi sbornik. Moskva, Izd-vo MKKh RSFSR.

No. 2. 1963. 158 p.

ROADS—ABSTRACTS

[Highways] Ref. zhur.: Avt. dor. no. 10 O '63.

ROADS—DESIGN

District planning and design of road network. I. T. Slivyd, G. I. Shemin. Avt. dor. 26 no. 9:21 S '63.

Planning road network in sparsely populated regions. M. L. Antonov, T. M. Dobrosel'skaia. Avt. dor. 26 no. 9:22 S '64.

ROADS—MAINTENANCE AND REPAIR

(see also subdivision under Kemerovo Province, Uzbekistan)

Coordinate the road maintenance service with new conditions. V. Kovalchuk. Avt. dor. 26 no. 9:3 S '63.

Improve the maintenance of the allotment zone. I. P. Denisov. Avt. dor. 26 no. 9:9-10 S '63.

New specifications for the maintenance and repair of highways. M. IA. Pelegin. Avt. dor. 26 no. 9:3 of cover S '63.

Secure the durability of highways and traffic safety for motor vehicles. Avt. dor. 26 no. 9:1-2 S '63.

ROADS—SAFETY MEASURES

Safety white concrete borders. P. I. Ivanovich. Avt. dor. 26 no. 9:6-7 S '63.

ROADSIDE IMPROVEMENT see subdivision under Moldavia

ROBBERY

Differentiation between robbery and other criminal offenses of the same type. V. Piraksin. Sov. iust. no. 17:14-16 S '63.

ROBESON, PAUL, 1898-

We congratulate you, Paul Robeson! Kul't. i zhizn' 7 no. 1:12 '63.

ROBUSTOV, GRIGORII VASIL'EVICH, 1887-

The 75th birthday and the 50th anniversary of medical and scientific work of G. V. Robustov. Vest. derm. i ven. 37 no. 1:84 Ja '63.

ROCHELLE SALT

Temperature dependence of internal friction in Rochelle salt crystals. A. M. Shuvalov, I. A. Shuvalov. Kristallografiia 8 no. 5:733-737 S-O '63.

ROCK GARDENS see subdivision under Dnepropetrovsk

ROCK PRESSURE

Effect, based on studies performed on models made of equivalent materials, of stoping operations on the occurrence of rock pressure in mining flat seams by means of longwalls and chambers with timbering. N. V. Tikhonova. Shor. DonUGI no. 29:173-186 '63.

Effect of properties of rocks in the roof on the redistribution of rock pressure in a massif enclosing a coal seam. A. IA. Grafova. Nauch. soob. IGD 20:24-29 '63.

Practice of using the seismoacoustic method to study the stress state of a coal massif. IU. G. Spitsyn, IU. R. Resnik, L. S. Chumbin. Shor. DonUGI no. 29:61-67 '63.

Using seismoacoustic apparatus to study the dynamics of the stress state of a coal seam. IU. G. Spitsyn, IU. R. Resnik, L. S. Chumbin. Shor. DonUGI no. 29:61-67 '63.

ROCKET ENGINES—ABSTRACTS

[Aircraft and rocket engines] Ref. zhur.: Av. i raket. dvig. no. 10 O '63.

ROCKETRY—ABSTRACTS

[Rocket building] Ref. zhur.: Raketostr. no. 10 O '63.

ROCKETS (AERONAUTICS)

Optimization of flight conditions and the parameters of stage rockets. IU. V. Kozhevnikov. Izv. vys. ucheb. zav., av. tekh. 6 no. 3:11-20 '63.

[Problems of rocket engineering; translations and surveys of foreign periodical literature] Vop. raket. tekh.; sbor. perev. i obz. inostr. period. lit. 13 nos. 9-10 '63.

ROCKETS (AERONAUTICS)—MODELS

Competition of young rocket constructors. V. Barteneva. Shkola i proizv. 7 no. 9:82-84 S '63.

ROCKETS (ORDNANCE)

Effect of a cross wind on the flight of a rocket missile. Voen. vest. 43 no. 9:111-112 S '63.

"Ready," reported the rocket gunner. M. Sapozhnikov. Starsh.-serzh. no. 5:19 My '63.

Rockets on armored cars. M. Novikov. Starsh.-serzh. no. 5:32-33 My '63.

Shortcomings of a booklet. P. Zalesskii, V. Konovalov. Av. i kosm. 46 no. 9:86-87 S '63.

ROCKETS (ORDNANCE)—CONTROLS

Automatic pilots in antiaircraft rockets. M. Artamonov. Voen. vest. 43 no. 9:82-84 S '63.

ROCKETS IN TRANSPORTATION see subdivision under United States

ROCKS

(see also subdivision under Kola Peninsula; Zhitkovichi region)

Deformations of rocks and pipelines over underground mine workings. D. N. Aleksandrov. Trudy NPI 138:67-73 '63.

Symmetrical shapes of bodies of natural abrasion. A. M. Kuznetsov, V. A. Kuznetsov. Izv. AN SSSR Ser. geogr. no. 9:1162-1167 S '63.

ROCKS—ANALYSIS

(see also subdivision under Antarctic regions, Tien Shan)

Determination of the isotopic composition of thorium in natural formations. I. G. Sviridenkov and others. Radiokhimiia 5 no. 2:163-170 '63.

Isotopic composition of lead in the oldest rocks. E. V. Sobotovich, S. M. Grashchenko, A. V. Lovtsius. Radiokhimiia 5 no. 2:157-160 '63.

ROCKS—ELECTRIC PROPERTIES

Study of the electric conductivity of rocks at high temperatures. U. I. Moiseenko, V. E. Istomin. Geol. i geofiz. no. 8:106-109 '63.

ROCKS—PERMEABILITY

New way of bit-par-bit sampling of water-bearing horizons. E. V. Simonov, I. S. Kosykh, A. G. Iesifa. Razved. i okh. nedr 29 no. 9:27-32 S '63.

ROCKS—RADIOACTIVE PROPERTIES

Calculation of the neutron characteristics of rocks. D. A. Kozhevnikov. Trudy MINKhiGP no. 41:54-75 '63.

Using the age approach to study regularities in the distribution of neutrons in rocks. D. A. Kozhevnikov, V. S. Khavkin, D. P. Shteinbrekher. Trudy MINKhiGP no. 41:76-83 '63.

ROCKS—SEISMIC PROPERTIES

Study of the stability of the sides of benches during the operation of mine haulage equipment in open-pit mines. B. K. Aleksandrov. Nauch. soob. IGD 20:11-17 '63.

ROCKS—TESTING

Analysis of experimental methodology for obtaining Mohr limiting envelope curves. M. F. Kuntysh. Nauch. soob. IGD 20:55-67 '63.

Baliduk, B. V. [Mechanical properties of rocks at high pressures and temperatures] Mekhanicheskie svoistva gornykh porod pri vysokikh davleniiakh i temperaturakh. Moskva, Gostoptekhizdat, 1963. 101 p.

Leningrad. Vsesoiuznyi nauchno-issledovatel'skii markscheiderskii institut. [Handbook on conducting tests of the three-dimensional resistance of rocks to compression] Rukovodstvo po provedeniiu ispytanii ob"emnoi prochnosti na szhatie gornykh porod. Leningrad, 1962. 55 p.

Stability of fractured rocks. IU. I. Martynov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 3:27-30 '63.

Using geological observations in determining physico-mechanical properties of rocks. P. V. Vasil'ev. Nauch. soob. IGD 20:67-71 '63.

Using the drilling method to determine the abrasiveness of rocks. Chzuan T'Szia-ly [Chang Chia-lu]. Nauch. trudy Mosk. inst. radiotekh. i gor. elektromekh. no. 41:61-68 '62.

ROCKS—THERMAL PROPERTIES

(see also subdivision under Kola Peninsula)

Method of determining the heat conductivity of rocks under in situ conditions. L. N. Myshinskii. Shakht. stroi. 7 no. 10:10-12 O '63.

ROCKS, CARBONATE see subdivision under Azerbaijan

ROCKS, CARBONATE—ELECTRIC PROPERTIES see subdivision under Karabi-Yayly Mountain

ROCKS, IGNEOUS

(see also subdivision under Armenia; Karkaralinsk District; Lower Tunguska Valley; Sayan Mountains; Soviet Central Asia, Ulakhan-Botuobuya Valley; Yakutia)

Characteristics of the distribution of the provinces of ultrabasic alkali rocks. IU. M. Sheinmann. Geol. mest. red. elem. no. 17:5-9 '62.

Geology of the massifs of ultrabasic alkali rocks and characteristics of their formation. IU. B. Lavrenev, E. M. Epshtein. Geol. mest. red. elem. no. 17:9-27 '62.

Possibility of a statistical study of the mineral sequence in igneous rocks. A. N. Belov. Dokl. AN SSSR 151 no. 6:1410-1410 Ag '63.

ROCKS, IGNEOUS—ANALYSIS see subdivision under Megri District

ROCKS, IGNEOUS—CLASSIFICATION

Concerning the "Classification of volcanic fragmental rocks." M. A. Kashkai. Izv. AN SSSR, Ser. geol. 28 no. 9:103-107 S '63.

ROCKS, SEDIMENTARY
(see also subdivision under Kola Peninsula, Ural Mountain region)

Some results of magnetic cleaning of samples of sedimentary rocks. A. IA. Vlasov, G. V. Kolomiyets. Geol i geofiz. no. 7:103-112 '61.

ROCKS, SEDIMENTARY—CONGRESSES

Vsesoiuznoe soveshchanie po litologii i mineralogii osadochnykh porod. 3d, Baku, 1956. [Transactions of the All-Union Conference on Lithology and Sedimentary Rocks] Trudy Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 265 p. (MIRA 16:5)

ROCKS, SEDIMENTARY—RADIOACTIVE PROPERTIES see subdivision under Kuma Valley, Terek Valley

ROCKWELL TEST

Device for Rockwell test of large parts. N. I. Tashlitskii. Stan. i instr. 34 no. 8:33 Ag '63.

Spread of values of standard Rockwell hardness measures. A. V. Smirnov, E. D. Rokhevich. Izm. tekh. no. 5:18-19 My '63.

Using the impression method in testing hardness in automated continuous production lines. V. G. Ulegin. Avt. prom. 29 no. 10:33-34 O '63.

RODENTIA

Akademiia nauk SSSR. Institut geografii. [Organization and methods for censusing birds and injurious rodents] Organizatsiia i metody ucheta ptits i vrednykh gryzunov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 255 p.

RODENTS AS CARRIERS OF DISEASE
(see also subdivision under Armenia)

Factors determining tick infestation of different types of hosts [with summary in English]. N. A. Nikitina, Z. M. Zhmaeva. Med. parazit. i paraz. bol. 32 no. 1:39-43 Ja-F '63.

RODIMTSEV, A. I.

Thanks for the story. P. Lebedev. Sov. voin. 45 no. 17:19 S '63.

ROLLAND, ROMAIN, 1866-1944

Kaplan, M. S. [Stylistic use of antonyms in Romain Rolland's novel "L'Ame enchantée"] Stilisticheskoe upotreblenie antonimov v romane Romena Rollana "Ocharovannaia dusha." [Kazan'] Izd-vo Kazanskogo univ., 1960. 54 p. (MIR)

ROLLER BEARINGS

Resistances arising in roller bearings of bar supports. A. M. Abdulzade, T. R. Mamedov. Za tekh. prog. 3 no. 3:30-32 Mr '63.

ROLLER BEARINGS—THERMAL PROPERTIES

Calculating thermal conditions of roller bearings in gas-turbine engines. V. M. Demidovich. Trudy KAI no. 86:49-62 '61.

ROLLING (METALWORK)

Algorithm of the control of the screw-down mechanism on plate mills. L. G. Chubrikov, M. I. Sirotin, D. I. Sufarov. Trudy Inst. met. UFAN SSSR no. 9:35-40 '62.

Bel'got'skii, B. P., and I. A. Medvedev. [Economics, organization and planning of rolling production] Ekonomika, organizatsiia i planirovanie prokatnogo proizvodstva. Moskva, Metallurgizdat, 1963. 157 p.

Computer control machine "Stal'-1" for waste-free laying out. V. I. Loskutov. Stal' 23 no. 6:533-536 Je '63.

Converting the stress of a tension dynamometer into a digital code. L. G. Chubrikov. Trudy Inst. met. UFAN SSSR no. 9:49-59 '62.

Determining the leading and lagging of the metal being rolled by the motion-picture photography method. IU. P. Abdulov. Trudy Inst. met. UFAN SSSR no. 9:69-75 '62.

Disseminate the practices of the progressive among the general mass of workers. P. Kravets, I. Vinnichenko. Metallurg 8 no. 9:39-40 S '63.

Efficient conditions of reduction on a 2500 wide-strip mill. V. P. Polushkin. Metallurg 8 no. 8:26-28 Ag '63.

Hot rolling of niobium in vacuum and in a protective atmosphere. I. M. Pavlov and others. *TSvet. met.* 36 no. 5:63-67 My '63.

Increasing labor productivity in the production of stainless steel and alloys. A. Romanov. Metallurg 8 no. 9:30-31 S '63.

Investigating the cold rolling of steel strip with welded butt joints. *IU. P. Abdulov, G. N. Telezhnikova.* Trudy Inst. met. UFAN SSSR no. 9:77-81 '62.

"Longitudinal rolling of helical rib sections" by I. IA. Tarnovskii, V. K. Smirnova, S. L. Kotsar'. Reviewed by V. S. Smirnov, V. D. Durnev. Stal' 23 no. 6:552-553 Je '63.

New developments in research. V. I. Loskutov. Stal' 23 no. 9:830 S '63.

Optimum amount of slab reduction in stands with 2800 vertical roll mills. M. V. Kovynev and others. Stal' 23 no. 6:529-530 Je '63.

Pack rolling of two-layer stainless steel. L. V. Meandrov and others. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:6-9 '63.

Principles of calculating diagonal rolling. D. I. Sufarov, M. I. Sirotin, L. G. Chubrikov. Trudy Inst. met. UFAN SSSR no. 9:41-48 '62.

A problem in the theory of unsymmetric flat bar rolling. I. A. Mamedov. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekh. nauk no. 2:71-79 '63.

Review of a book by S. V. Makacv and others, "Production of lightweight shapes." V. A. Kurdiumova, N. V. Litovchenko, B. B. Diomidov. Stal' 23 no. 9:829-830 S '63.

Rolling and sizing of special angle bars no. 18-18? A. B. M. Bukovich. Metallurg 8 no. 9:31-35 S '63.

Rolling of cones with periodical turns of billets. G. P. Tkachenko, V. E. Novichenko. Khim. mashinostr. no. 5:37 S-O '63.

Rolling of titanium alloy foil. V. I. Shilov, V. P. Korzh. Trudy Inst. met. UFAN SSSR no. 9:101-105 '62.

Rolling SVP-17 and 27 shapes with a greater incline of the walls. N. F. Protasov and others. Metallurg 8 no. 9:31-34 S '63.

Seminar on the efficient use of electric power in metal rolling. L. Z. Khmel'nitskii. Prom. energ. 18 no. 9:46-47 S '63.

Tarnovskii, I. IA., ed. [Rolling on a blooming mill] Prokatka na bliuminge. [By] I. IA. Tarnovskii i dr. Moskva, Metallurgizdat, 1963. 386 p.

ROLLING (METALWORK)—CONGRESSES

Conference on the production and use of cast iron rolling mill rolls. N. V. Zinov'ev. Stal' 23 no. 6:547-552 Je '63.

ROLLING (METALWORK)—EQUIPMENT AND SUPPLIES

Krauze, G. N. [Equipment of rolling mills, design, assembly and operation] Oborudovanie prokatnykh stanov, iz opyta proektirovaniia, montazha i ekspluatatsii. Moskva, Mashgiz, 1963. 266 p.

[Metal heating before rolling] Nagrev metalla pered prokatkoi, spravochnik dlia rabochikh. [By] V. S. Gulunov, i dr. Moskva, Metallurgizdat, 1963. 220 p.

ROLLING (METALWORK)—MEASUREMENT

Equipment for the investigation of the strip rolling process. V. P. Korzh, V. I. Shilov. Trudy Inst. met. UFAN SSSR no. 9:63-68 '62.

ROLLING (METALWORK)—NOTATION

Adopted system of symbols. Trudy Inst. met. UFAN SSSR no. 9:4 '62.

ROLLING (METALWORK)—TECHNOLOGICAL INNOVATIONS

Man of creative work. V. Malyi. Metallurg 8 no. 8:36 Ag '63.

ROLLING (METALWORK)—TESTING

Investigating reduction conditions on plate mills at the Asha metallurgical plant. L. G. Chubrikov, M. I. Sirotin, D. I. Sufarov. Trudy Inst. met. UFAN SSSR no. 9:27-33 '62.

ROLLING MILLS
(see also subdivision under Asha; Nizhniy Tagil; Zaporozh'ye)

Grooving the new semicontinuous wire rod mill intended for the rolling of copper rod. M. I. Bofarshinov, N. V. Litovchenko, V. A. Kurdiumova. TSvet. met. 36 no. 9:70-75 S '63.

Investigating power conditions for the cold rolling of a titanium alloy strip. V. I. Shilov, V. P. Korzh. Trudy Inst. met. UFAN SSSR no. 9:87-99 '62.

Measurement of rolling moments. V. P. Korzh, D. I. Sufarov. Trudy Inst. met. UFAN SSSR no. 9:61-62 '62.

Measuring forces in rolling on plate mills. L. G. Chubrikov, D. I. Sufarov, M. I. Sirotin. Trudy Inst. met. UFAN SSSR no. 9:17-26 '62.

New developments in research. K. S. Alferov and others. Stal' 23 no. 9:851 S '63.

Noncontact gas-air ratio controller in the soaking pits of a blooming. V. P. Al'bekha and others. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:10-12 '63.

Unit expenditure of electric power in hot rolling of strips using an 810 semicontinuous rolling mill. P. F. Zasukha, V. P. Volegov. Prom. energ. 18 no. 10:5-8 O '63.

ROLLING MILLS—ATTACHMENTS

Device for the straightening of roll warpage on blooming mills. L. V. Andreiuk, M. I. Igon'kin. Metallurg 8 no. 9:36 S '63.

ROLLING MILLS—DESIGN AND CONSTRUCTION

Concerning the layout of rolling mills. K. K. Nikulin. Sbor. trud. NII po strol. ASiA (Sverd.) no. 8:6-16 '63.

ROLLING MILLS—ELECTRIC DRIVING

Analysis of various operating conditions of the electric drive for live roll tables of the KMK blooming mill. N. P. Kunitskii, G. M. Ivanov. Sbor. trud. TSNIICHM no. 30:102-107 '63.

Determining the static current component [illegible] mill motor. D. N. Kalinskii, I. I. [illegible]. Sbor. trud. TSNIICHM no. 40:100-[illegible] '64.

Dynamic stability of d. c. rolling mill [illegible] shchenko. Elektrotekhnika no. 9:[illegible]

Effect of various current patterns on the [illegible] motors of necessary mechanisms of [illegible] mills. N. P. Kunitskii, G. M. Ivanov. [illegible] TSNIICHM no. 40:57-71 '64.

Transient processes in reversing-mill [illegible] ionic excitation of generators. N. P. Kunitskii, [illegible] Ivanov. Sbor. trud. TSNIICHM no. 40 [illegible]

Using magnetic amplifiers in excitation [illegible] of blooming-mill motors. D. N. Kalinskii [illegible] Sbor. trud. TSNIICHM no. 40:[illegible]

ROLLS (IRON MILLS)

Control of roll grooves by heating with [illegible] N. A. Proshchenkov, IU. M. Mirenskii. [illegible] no. 8:28-29 Ag '63.

Increase the durability of iron mill rolls. [illegible] no. 8:31-32 Ag '63.

New method of making up sets of iron mill [illegible] Mirenskii. Metallurg 8 no. 8:30-31 [illegible]

Surfacing rolls with hard alloys. V. A. [illegible] Novikov, P. M. Morozov. Metallurg [illegible] '63.

Thin-sheet mill rolls of magnesium-treated [illegible] A. V. Plankina, P. D. Belikov, I. K. Chaikin [illegible] no. 6:544-546 Je '63.

ROLLS (IRON MILLS)—COOLING

Investigating temperature conditions in the [illegible] rolls on the 2500 MMK rolling mill. [illegible] and others. Stal' 23 no. 8:[illegible]

ROLLS (IRON MILLS)—TESTING

Effect of the axial groove on the strength of [illegible] rolls of cold-rolling mills. P. I. Polukhin, [illegible] ian. Izv. vyss. uchebn. zav.; mat. [illegible] '63.

ROMADIN, NIKOLAI MIKHAILOVICH, 1901-

Storehouse of beauty. IU. Bychkov. Op. i [illegible] 17 My '63.

ROMASHOV, BORIS SERGEYEVICH, 1894-

Horizons of an artist. A. Donatov. Op. i [illegible] 17 My '63.

ROME—CULTURE

"On the seven hills; studies of the culture of [illegible] Rome" by M. IU. Gorman, N. P. Sheleteiskii, [illegible] skii. Reviewed by I. IA. Kagarov, M. [illegible] Vest. drev. ist. no. 1:104-107 '63.

ROME—RELIGION AND ETHICS

"Ethics and religion of the approaching [illegible] men Empire" by E. M. Shtaerman, Rostovtsev, [illegible] Polshnev. Vest. drev. ist. no. 1:187-[illegible] '63.

ROME—SLAVERY AND SLAVES IN LITERATURE

"Historical study of the portrayal of slaves [illegible] dies of Plautus and Terence" [in German] by [illegible] Spranger. Reviewed by M. G. [illegible] Vest. drev. ist. no. 1:137-141 '63.

ROME—SOLDIERS—RELIGIOUS LIFE

The Roman Army and Roman religion. G. A. [illegible] Vop. ist. 38 no. 9:180-187 S '63.

ROOFING

"Fiberglast," a roofing and waterproofing [illegible] Kheifets. Strol. mat. 9 no. 8:26-27 [illegible]

Mechanization of gluing of roll roofing [illegible] Shabalina. Mekh. strol. 20 no. 10:[illegible]

Roofing materials made of ilynite and [illegible] N. I. Oranskii. Strol. mat. 9 no. 8:21 [illegible]

ROOFING, ASBESTOS CEMENT

One should love his job. M. Lavrichenko. [illegible] 21 no. 7:54-55 Jl '63.

ROOFING, CONCRETE

Composite roofs of one-story industrial [illegible] large network of columns. M. S. Tsukhilin. Strol. 40 [i.e. 41] no. 6:23-27 Je '63.

ROOT ROT see subdivision under Kabirdian [illegible] A. S. S. R.

ROOTS (BOTANY)

Effect of the seed position in nail on the [illegible] root system and stem of walnut seedlings [with summary in English]. M. M. Tymko. Bot. zhur. 48 [illegible] 830 Ag '63.

Extent and distribution of the apple root [illegible] lated to various factors [with summary in [illegible]] V. A. Kolesnikov. Izv. TSKHA no. 2:85-[illegible]

ROSE BREEDING
(see also subdivision under Alma-Ata)

Fruit setting in selecting different parental [illegible] roses. B. A. Nomerov. Vest. Mosk. un., Ser. [illegible] pochv. 18 no. 5:48-50 S-O '63.

ROSES see subdivision under Dnepropetrovsk; Kazakhstan, Soviet Central Asia

ROSTOV—HOUSING
Paper tornadoes. M Seslavin. Ogonek 11 no 22:30-31 My '63.

ROSTOV-ON-DON—AGRICULTURAL MACHINERY INDUSTRY
Rank and file of our time. E. Danilova. Smena 40 no. 15-2-3 Ag '63.

ROSTOV-ON-DON—COMBINES (AGRICULTURAL MACHINERY)
Rostov combine manufacturers are fulfilling the decisions of the party and the government. A.M. Merkulov Trakt.i sel'khozmash. 33 no. 5:38-39 My '63.

ROSTOV-ON-DON—FIREMEN
Be ation to duty. K. Boboshko. Pozh. delo 9 no. 7:7-8 Jl '63

ROSTOV-ON-DON—LEGAL RESEARCH
In the Faculty of Law of Rostov University N Sazonov, B. Nikolaev. Sov. gos. i pravo no. 10:136-137 O '59.

ROSTOV-ON-DON—MOTORBUS LINES—FARES
Preliminary sale of return tickets. P. Gelman, L. Davydova. Avt. transp. 41 no. 10, 14-15 O '63.

ROSTOV-ON-DON—PENSIONS
They are not afraid of trouble. E. Domogatskaia. Okhr. truda i sots. strakh. 6 no. 8:25-26 Ag '63.

ROSTOV-ON-DON—RETAIL TRADE
Rank and file of our time. E. Danilova. Smena 40 no. 15 2-3 Ag '63.

ROSTOV PROVINCE—BARLEY
Characteristics of tillage for spring barley in Rostov Province. N.N. Borodin, IU N. Eremeev. Zemledelie 25 no 8 50-54 Ag '63.

ROSTOV PROVINCE—COLLECTIVE FARMS
On the black lands. E. Don. Kul't. i zhizn' 7 no. 6:13-16, 22-23 '63.

ROSTOV PROVINCE—COOPERATIVE SOCIETIES
Supplementary commodity resources. N. Maksimov. Sov. potreb. koop. 7 no. 7:21-23 Jl '63.

ROSTOV PROVINCE—FARM MECHANIZATION—STUDY AND TEACHING
We need our own machinery. V. K. Kosenko. Shkola i proizv. 7 no. 9:28-29 S '63.

ROSTOV PROVINCE—HEROES
Heroes of the Don. M. Kamyshev. Voen. znan. 39 no. 9: 7 S '63.

ROSTOV PROVINCE—SOIL MECHANICS
Conference on building construction and construction on sagging soils in the Northern Caucuses and Rostov Province. V.A. Gavrilov. Osn., fund. i mekh. grun. 5 no. 5, 30-31 '63.

ROSTOV PROVINCE—TILLAGE
Characteristics of tillage for spring barley in Rostov Province. N.N. Borodin, IU.N. Eremeev. Zemledelie 25 no. 8 50-54 Ag '63.

ROSTOV PROVINCE—VITICULTURE
Spark from the soil. Aleksei Markov. Ogonek 11 no. 41:17 O '63.

ROTATING AMPLIFIERS
Additional factors in the evaluation of the dynamic stability of amplidynes. V. F. Baiko. Elektrichestvo no. 9: 73-76 S '63.

ROTATING BODIES
Asymptotic nature of certain rotary motions. V. M. Volosov, B. I. Morgunov. Dokl. AN SSSR 151 no. 6:1260-1263 Ag '63.

Motion of a heavy rigid body rapidly rotating around a fixed point. IU. A. Arkhangel'skii. Prikl. mat. i mekh. 27 no. 5:854-877 S-O '63.

Permanent axes of rotation of a rigid body with a fixed point in the case of the existence of Goriachev integrals. N. G. Apykhtin. Prikl. mat. i mekh. 27 no. 5:894-898 S-O '63.

ROTATING DISKS see Disks, Rotating

ROTATION OF CROPS
(see also subdivision under Kursk Province)

Corn as preceding crop to winter wheat. M. I. Holovko. Nauk. pratsi Ukr. nauk.-dosl. inst. zem. 12:27-33 '62.

Corn as a preceding crop to winter wheat in the forest-steppe of the Ukraine. V.A. Il'chenko Nauk. pratsi Ukr. nauk-dosl. inst zem. 12 24-26 '62.

Corn in the crop rotations of the collective farms of Vinnitsa Province. V. K. Blazheva'kyi. Nauk. pratsi Ukr. nauk-dosl. inst. zem. 12:20-23 '62.

ROVNO—HISTORY
Mel'nychuk, IU.S. [Tribe of vampires, sketches, notes, feuilletons] Plem'ia upyriv, marysy, pamflety, feletony Kyiv, Radians'kyi pys'mennyk, 1963. 353 p. (MH)

ROVNO PROVINCE—CORN (MAIZE)—FERTILIZERS AND MANURES
Effect hill placement of fertilizers on the yield of corn in Rovno Province. L. I Ivanova'kyi Nauk pratsi Ukr nauk-dosl inst zem 12 121-123 '62.

ROVNO PROVINCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS
Begma, V.A. [Roads of the unconquered; as told to P Avtomonov] Puti nepokorennykh, literaturnaia zapis' P. Avtomonova. Moskva, Voenizdat, 1963. 391 p

ROWING
Initial training of young boys in the technique of college rowing. E. S. Ul'rikh, V. F. Dorofeev, E. K. Trubach. Teor. i prak. fiz. kul't. 26 no. 8:23-27 Ag '63.

Preparation of a boat for races. E. Litovkin, V. Kravchuk. Voen. znan. 39 no 9 29 S '63.

ROZDOL REGION—SULFUR
Classification of aggregate varieties of sulfur in the Rozdol deposit [with summary in English]. B. V. Merlich, S. M. Spitkovskaia, N M Datsenko. Min. sbor., no 16: 210-226 '62

RUBBER
Plasticization of rubber compounds with nitroparaffins and their derivatives. L. M. Kozlov and others. Trudy KKHTI no 30:101-108 '62.

RUBBER—ELECTRIC PROPERTIES
Dielectric properties of unfilled vulcanizates of various structures [with summary in English]. B A. Dogadkin and others. Koll. zhur. 25 no. 5:515-519 S-O '63

RUBBER—PURIFICATION
Machine tool for purifying ruberoid. G. A. Svistunov. Mekh. stroi. 20 no. 10:20 O '63.

RUBBER—TESTING
Behavior in the stretching of natural rubber vulcanizates with p-tert-butyldimethylolphenol [with summary in English]. V. A. Shershnev, L. V. Ginzburg, B A. Dogadkin. Koll. zhur. 25 no. 5:626-627 S-O '63.

Studying the effect of the formula on the relaxation properties of rubber. G. T. Darovskikh, A. B. Kusov, I. G. Krivokhina. Kauch. i rez. 22 no. 8:12-14 Ag '63.

RUBBER, SYNTHETIC
(see also subdivision under Stavropol)

Investigating the properties of the gels from chloroprene L-7 latex M I. Shepelev and others Kauch i rez 22 no 8 27-32 Ag '63

Investigating the washing out of pore building agents from carboxyl-containing rubbers. I. A. Shtern, I. V. Plotnikov, S. A. Pavlov. Izv. vys. ucheb. zav., tekh. leg. prom. no. 2:48-54 '63

Preparation of latexes by copolymerization of vinylidene chloride with butadiene and 2-methyl-5-vinylpyridine at low temperature, and some of their properties. P. A. Kirpichnikov, I. V. Kornei. Trudy KKHTI no. 30. 174-177 '62

Use of synthetic rubber as a film-forming base. E. S. Gurevich, A. M. Frost. Lakokras. mat. i ikh. prim. no. 4:15-17 '63.

RUBBER COATINGS
Double-layer elastic rubber coatings. V. N. Storozhenko, N. G. Kaipova. Tekst. prom. 23 no. 9:52-53 S '63.

RUBBER GOODS
Change in the quality of petroleum products during contact with rubber articles. P. Kh. Marinchenko, P. F. Chernikov. Khim. i tekh. topl. i masel 8 no. 2, 43-45 F '63.

Wedge belts in foreign countries. F. M. Sokolovskaia, A. P. Bogaevskii. Kauch. i rez. 22 no. 8:18-24 Ag '63.

RUBBER GOODS—TESTING
Device for determining the tensile strength characteristics of radiosonde balloons A A. Doregov. Kauch i rez. 22 no. 8:49-50 Ag '63

RUBBER INDUSTRY
(see also subdivision under Czechoslovakia)

Letter to the editor K Bebris. Kauch. i rez. 22 no. 6: 54-56 Ag '63

New developments in foreign science and technology. Kauch. i rez. 22 no. 6:57-60 Ag '63.

RUBBER INDUSTRY—BIBLIOGRAPHY see Bibliography—Rubber industry

RUBBER INDUSTRY—LABOR PRODUCTIVITY
(see also subdivision under Moscow)

Labor productivity and wages in the RTI rubber plants during 1962. A. F. Karaseva. Kauch i rez. 22 no. 8 36-39 Ag '63.

RUBBER INDUSTRY WORKERS—DISEASES AND HYGIENE see subdivision under Voronezh

RUBLEV, ANDREI, d ca. 1430
Demina, N.A. [Andrei Rublev's "Trinity"] "Troitsa" Andreia Rubleva. Moskva, Gos izd-vo "Iskusstvo," 1963 96 p illus

RUBY CRYSTALS—GROWTH
Combined growth of Al_2O_3 and Cr_2O_3 under hydrothermal conditions V A Shoiygin Kristalografiia 8 no 5 803-804 S-O '63

RUDNYY (KAZAKHSTAN)—PHYSICALLY HANDICAPPED—REHABILITATION
Friends' hands. G Lobanov. Nar. khoz. Kazakh. 21 no. 7 57 Jl '63.

RUMANIA—AGRICULTURE
Results of collective work. V. Agarkov. Mezhdunar. zhizn' 10 no. 10, 110-111 O '63.

RUMANIA—ASCOMYCETES
New mycological materials from the Rumanian People's Republic. A. Negru, I. Ditzu. Bot. mat. Otd. spor. rast. 16:150-164 '63.

RUMANIA—EDUCATION, HIGHER
Rumania has set up a council on the problems of higher education. Vest. vys. shkoly 21 no. 9 89 S '63.

RUMANIA—FOLK ART
Activities of the Folk Art Museum of the Rumanian People's Republic. Tancred Banatianu Mat po etn. Gruz no 12/13 179-185 '63

RUMANIA—FOREIGN RELATIONS—RUSSIA
"A study on the history of Russo-Rumanian relations, from the ancient period to the middle of the 19th century" [in Rumanian] by G. Bezviconi. Reviewed by IA. S. Grosul, E. M. Russev. Vop. ist. 38 no. 9, 149-151 S '63.

RUMANIA—FUNGI IMPERFECTI
New mycological materials from the Rumanian People's Republic. A. Negru, I. Ditzu. Bot. mat. Otd. spor. rast. 16:150-164 '63.

RUMANIA—HISTORY
Sazina, M.G. [Struggle of the Rumian people for the establishment and consolidation of the political system of a people's democracy, 1944-1947] Bor'ba rumynskogo naroda za ustanovlenie i ukreplenie narodno-demokraticheskogo stroia; 1944-1947. Moskva, Izd-vo Akad nauk SSSR, 1963. 506 p.

RUMANIA—LIQUOR INDUSTRY
Manufacture of vodka, brandy, and liqueur in Rumania. Spirt prom 29 no 6 41 '63

RUMANIA—PROSPECTING—GEOPHYSICAL METHODS
Seep-seated structure of the Mizilla Platform and adjacent areas from geological and geophysical data. T. B. Dobrev, S. S. Pishchalov. Prikl. geofiz. no. 37:109-128 '63.

RUMANIA—PUBLIC PROSECUTORS
Public prosecutors of the Rumanian People's Republic are the guardians of socialist legality. K. Menescu, B. Solomon. Sots. zakon. 10 no. 8:69-73 Ag '63.

RUMANIA—SCULPTURE, ANCIENT
Very important archaeological discovery in the Rumanian People's Republic. V. V. Karakulakov. Vest. drev. ist. no. 1 197-198 '63.

RUMANIA—WOMEN—RIGHTS OF WOMEN
Active force Larisa Munteanu Vsem prof. dvizh no 9: 26-29 S '63

RUNOFF
(see also subdivision under Georgia)

Hydrochemical basis of the isolation of local runoff and the method for dissection of its hydrograph. P. F. Voronkov. Meteor. i gidrol. no. 8, 21-28 Ag '63.

RURAL ELECTRIFICATION
Increase in the efficiency of electric power distribution in rural areas and the use of new machinery. A. G. Zakharin, N. S. Kanakin. Obshch. energ. no. 6:101-110 '63.

Prishchep, L. G. [Manual for rural electricians] Posobie dlia sel'skogo elektromontera. Moskva, Sel'khozizdat, 1963 486 p. (Uchebnikl, uchebnye posobiia dlia podgotovki sel'skokhoziaistvennykh kadrov massovoi kvalifikatsii)

RURAL LIBRARIES see subdivision under Khodary

RURAL SCHOOLS
Correct course. E. I. Afanasenko. Shkola i proizv. 7 no. 9:4-10 S '63.

[illegible]

[illegible]

[illegible]

RUSSIA—MY FORCES—POLITICAL ACTIVITY

[illegible]

RUSSIA—ALLIED INTERVENTION, 1918-1920

[illegible]

RUSSIA—ARMED FORCES

[illegible]

RUSSIA—ARMED FORCES—EDUCATION, NONMILITARY

[illegible]

RUSSIA—ARMED FORCES—INSIGNIA

[illegible]

RUSSIA—ARMED FORCES—MEDALS, BADGES, DECORATIONS, ETC

[illegible]

RUSSIA—ARMED FORCES—OFFICERS

[illegible]

RUSSIA—ARMED FORCES—PHYSICAL TRAINING

Gritchenko, N. V. [How to fight fatigue and raise endurance in combat] Kak borot'sia s utomleniem i povysit' vynoslivost' v boiu. Moskva, Voenizdat, 1963. 95 p. (Nauchno-popularnaia biblioteka voennogo izdatel'stva)

RUSSIA—ARMED FORCES—POLITICAL ACTIVITY

[illegible]

RUSSIA—ARMED FORCES—SONGS AND MUSIC

[illegible]

RUSSIA—ARMY—MILITARY LIFE

Lishai, S. F. [Pages of the past, an old soldier's notebook] Stranitsy proshlogo, zapiski starogo soldata. [Leningrad] Lenizdat, 1962. 184 p. (CSt-H)

[illegible]

[illegible]

RUSSIA—ARMY—NONCOMMISSIONED OFFICERS

[illegible]

RUSSIA—ARMY—OFFICERS

[illegible]

RUSSIA—ARMY—POLITICAL ACTIVITY

[illegible]

RUSSIA—ARMY—STAFFS

[illegible]

RUSSIA—ARMY—SUPPLIES AND STORES

[illegible]

RUSSIA—BIOGRAPHY

Gotomuz, I., and others. [Rank and file Communists] Riadovye kommunizma. Kishinev, "Kartia moldovenieske," 1962. 110 p. (CSt-H)

RUSSIA—BOUNDARIES

[illegible]

RUSSIA—COMMERCE

[illegible]

RUSSIA—COMMERCE—CONGRESSES

[illegible]

RUSSIA—COMMERCE—CUBA

[illegible]

[illegible]

FRANCE

[illegible]

INDIA

[illegible]

SOUTH AFRICA, REPUBLIC OF

[illegible]

UNITED STATES

[illegible]

RUSSIA—COMMUNIST PARTY

[illegible]

RUSSIA—CONSPIRACY OF DECEMBRISTS

Fedorov, V. A. [Soldiers' movement of the Decembrists, 1816-1825] Soldatskoe dvizhenie dekabristov, 1816-1825 gg. [Moskva] Izd-vo, 1963. 206 p.

RUSSIA—CONSTITUTIONAL LAW

[illegible]

RUSSIA—DEFENSES

Klynchenko, V. V., and I. N. Minevych. [Loyalty to the enemies of communism] Vernost' vorogam kommunizma. Kyiv, Derzhpolitvydav, 1963. 34 p. (Moral'nyi kodeks budivnyka [illegible])

RUSSIA—DESCRIPTION AND TRAVEL

[illegible]

RUSSIA—ECONOMIC CONDITIONS

[illegible]

RUSSIA—ECONOMIC POLICY

[illegible]

Bugaishtein, D. L., and V. T. Gusev. [What is the balance in] Chto takoe mezhotraslevaia [illegible] ska, Ekonomizdat, 1963. 95 p. (V pomoshch' stu i planoviku)

[illegible]

Feodoritov, V. IA. [What is the material basis of communism] Chto takoe material'no-tekhnicheskaia baza kommunizma. [Leningrad] 1963. 43 p. (Besedy na politicheskie temy)

[illegible]

June Plenum of the Central Committee [illegible] most important stage in the [illegible] of the CPSU. Stan. Unatte. 11 [illegible]

Let us build a powerful economic [illegible] of communism. Za [illegible], Rik. [illegible]

Nosov, F. V. [Creative initiative of the [illegible] building of communism] Tvorcheskaia [illegible] v stroitel'stve kommunizma. [Leningrad] 1964. 96 p. (CSt-H)

[illegible]

RUSSIA—ECONOMIC POLICY—HANDBOOKS, [illegible] ETC.

[illegible]

RUSSIA—FOREIGN RELATIONS

"International relations after the [illegible] Vol. 1 (1945-1960). Reviewed by V. L. [illegible] 38 no. 8:118-121 S '63.

Pattazhan, IU. I. [The Leninist foreign policy [illegible] prevails] Leninska zovnishnia polityka [illegible] mahate, Kyiv, Derzhpolitvydav URSR, 1963. [illegible]

The struggle of the U. S. S. R. for collective [illegible] Europe during the years 1933-1939. [illegible] zhizn' 10 no. 10, 150-159 O '63.

A year after. Nov. vrem. 21 no. 42 [illegible] O '63.

RUSSIA—FOREIGN RELATIONS—AFGHANISTAN

L. I. Brezhnev in Afghanistan. Nov. vrem. [illegible] O '63.

RUSSIA—FOREIGN RELATIONS—CHINA

Our commentaries. Nov. vrem. 21 no. 43 [illegible]

Our readers' opinions of China's policy. [illegible] no. 38:10-11 S '63.

Russia (1923- U. S. S. R.). [Declaration of the government] Zaiavlenie Sovetskogo pravitel'stva [illegible] skva, Politizdat, 1963. 30 p. ("Pravda," [illegible] 1963)

RUSSIA—FOREIGN RELATIONS—HUNGARY

Defense society of People's Hungary. [illegible] Voen. znan. 39 no. 9:21-22 S '63.

RUSSIA—FOREIGN RELATIONS—POLAND

Polish People's Army is 20 years old. W. Jaruzelski. Voen. vestnik SU 3 no 18,71 S '63

RUSSIA—FOREIGN RELATIONS—RUMANIA

"A study on the history of Russo-Rumanian relations, from the ancient period to the middle of the 19th century." [in Rumanian] D. G. Berezeanu. Reviewed by M. S. Guboglu, I. M. Ruseev. Vop. ist. 38 no. 9:119-121 S '63.

RUSSIA—FOREIGN RELATIONS—UNITED STATES

[Centenary of the arrival of Russian war vessels to America, 1863-1963] Stoletniaia godovshchina pribytiia Russkikh eskadr v Ameriku, 1863-1963. Washington, Izd Victor Kamkin, Inc., 1963. 83 p. ("Zarubezhnye zapiski," no. 1)

The cold war; retrospect and prospect" [in English] by E. J. Schuman. Reviewed by V. G. Polianov. Vop. ist. 38 no. 9:154-156 S '63.

RUSSIA—FOREIGN RELATIONS—YEMEN

Thirty-five years ago. O. Gerasimov. Av. i Kosmonav. no. 10 50-51 O '63.

RUSSIA—FOREIGN RELATIONS—YUGOSLAVIA

The new and the old. Sov. vremia. 21 no. 37:1-2 S '63.

RUSSIA—HISTORY

Brief notes. Vop. ist. 38 no. 9:130-132 S '63.

Sakharov, I. I. [Essays on the social and economic relations of Russia in the 12th-13th centuries] Ocherki sotsial'no-ekonomicheskikh otnoshenii Rusi XII-XIII vekov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 362 p.

Historical situation in the period when V. I. Lenin wrote his book "Materialism and empiriocriticism." I. I. Bol'shenko. Nauch. trud. Zaporozh. gos. ped. inst. no. 15-19 1963.

Kalinovskii, P. I. [A lecture course on the history of the U. S. S. R.; 1800-1917] Kurs lektsii po istorii SSSR, 1800-1917 gg. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 381 p.

Akademiia nauk SSSR. Institut istorii. [Revolutionary situation in Russia in 1859-1861] Revoliutsionnaia situatsiia v Rossii v 1859-1861 gg. Moskva, Izd-vo Akad. nauk SSSR, 1963. 498 p.

Karlushin, B. T. [Russian history, a synopsis] Russkaia istoriia, konspekt. Posobie k prokhozhdeniiu kursa russkoi istorii. [Frankfurt/Main, NTS, Sektor vnutrennei raboty], 1956. 164 p. (MH)

Solov'ev, S. M. [Russian history from ancient times in 15 books] Istoriia Rossii s drevnekhshikh vremen v piatnadtsati knigakh. Moskva, Sotsekgiz. Book 8 (Vols. 15-16) 1962. 673 p.

RUSSIA—HISTORY—SOURCES

Diary of a minister of the Russian Government and the facts of life. M. I. Kheifets. Vop. ist. 38 no. 9:110-113 S '63.

Documentary materials on the history of the U. S. S. R. in the Central State Archives. V. I. Shutoi. Vop. ist. 38 no. 9:208-214 S '63.

Historical source materials used in V. N. Tatishchev's "Russian history." A. G. Kuz'min. Vop. ist. 38 no. 8: 214-216 S '63.

Are Russian chronicles describe the destruction of Ryazan by Batu. A. G. Kuz'min. Vest. Mosk. un. Ser. 9 Ist. 18 no. 2:55-70 Mr-Ap '63.

Rybakov, B. A. [Old Russia; legends, byliny, chronicles] Drevniaia Rus', skazaniia, byliny, letopisi. [Moskva] Izd-vo Akad. nauk SSSR, [1963] 358 p.

Okun', S. B., and K. V. Slykov, eds. [The Russian peasant movement in 1857-May 1861, documents] Krestianskoe dvizhenie v Rossii v 1857-mae 1861 gg; sbornik dokumentov. Moskva, Izd-vo sotsial'no-ekonom. lit-ry, 1963. 882 p. (Krestianskoe dvizhenie v Rossii v XIX-nachale XX veka)

RUSSIA—HISTORY—STUDY AND TEACHING

The tenth anniversary of the establishment of the first "Department of the History of Soviet Society" in a Soviet university. S. P. Naida, L. M. Papin. Vop. ist. 14 no. 9:97-99 S '63.

RUSSIA—HISTORY, MILITARY

Russian soldiers as the Czech people remember and describe them. Ceitmir Amort. Voen.-ist. zhur. 5 no. 8:108-112 Ag '63.

RUSSIA—INDUSTRIES

The CPSU is the sponsor and organizer of industrialization. S. Fedulkin. Nar. khoz. Kazakh. 21 no. 7 3-6 Jl '63.

Kolomasov, Iu. I. [Economic ties in the national economy of the U. S. S. R.] Ekonomicheskie sviazi v narodnom khoziaistve SSSR. Moskva, Ekonomizdat, 1963. 430 p.

Great achievements of the seven-year plan. I. Shutov. Sov. deput. trud. no. 6:90-91 Je '63.

Model construction projects are calling for heroic deeds. M. I. Borisov. Sov. voin. 45 no. 17 21-22 S '63.

Khrestanov, V. Kh. [Our country is a building site] Strana-stroika. Moskva, Znanie, 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. III Seriia. Ekonomika, no. 9) (MH)

Propagandists reviewed a book. T. Parasc. Polit. samoobr. 7 no. 10 124-126 O '63.

RUSSIA—INDUSTRIES—CLASSIFICATION

Grachev, N. G. [Classifications and indices of industrial structure] Klassifikatsii i pokazateli struktury promyshlennosti. Moskva, Izd-vo Akad. nauk SSSR, 1963. 121 p.

RUSSIA—INDUSTRIES—DICTIONARIES

"Economics encyclopedia. Industry, Construction." Reviewed by P. Sipacy, M. Shraibman, L. Bon, strol. no. 9 60-61 S '63.

RUSSIA—INTELLECTUAL LIFE

People's intelligentsia. Aleksandr Krasov, Maiia Manaeva. Kul't. i zhizn' 7 no. 2:29-30 '63.

RUSSIA—INVASION OF 1812

"Home guards in the Patriotic War of 1812" by V. Bablin. Reviewed by B. F. Livchak. Vop. ist. 38 no. 9:111-115 S '63.

Vladimir (Province) Oblasnoi gosudarstvennyi arkhiv. [Vladimir Government Home Guard in the Patriotic War of 1812] Vladimirskoe narodnoe opolchenie v Otechestvennoi voine 1812 goda, sbornik dokumentov i materialov. [Vladimir] Vladimirskoe knizhnoe izd-vo, 1963. 91 p.

RUSSIA—INVASION OF 1812—MEDICAL AND SANITARY AFFAIRS

Russian veterinary medicine in the Patriotic War of 1812. M. G. Tarabin. Veterinariia 39 no. 9:87-90 S '62.

RUSSIA—INVASION OF 1812—PORTRAITS

Pomarnatskii, A. V. [War of 1812 Gallery] Voennaia galereia 1812 goda. Leningrad, Izd-vo Gos. Ermitazha, 1959. 29 p., illus.

Glinka, V. M., and A. V. Pomarnatskii. [War Gallery in the Winter Palace, on the anniversary of the Patriotic War of 1812] Voennaia galereia Zimnego dvortsa, k iubileiu Otechestvennoi voiny 1812 goda. Leningrad, Izd-vo Gos. Ermitazha, 1963. 183 p. illus.

RUSSIA—LITERATURES

Becoming familiar with the theme of our times. O. Voitinskaia. Vop. lit. 7 no. 8:172-178 Ag '63.

Brief news. Vop. lit. 7 no. 8:248-256 S '63.

Brief news. Vop. lit. 7 no. 8:248-256 S '63.

For party and national character of Soviet literature. Vop. lit. 7 no. 8:71-78 Ag '63.

Man, contemporary, citizen. Z. Kedrina. Vop. lit. 7 no. 8 27-50 Ag '63.

RUSSIA—LITERATURES—BIBLIOGRAPHY

Moscow. Publichnaia biblioteka. [Soviet literature, 1962, a recommended reading list] Sovetskaia literatura, 1962, rekomendatel'nyi ukazatel'. Moskva, 1963. 123 p. (Novinki khudozhestvennoi literatury)

RUSSIA—MANUFACTURES

Assortment and quality. S. Grigor'ev. Sov. torg. 36 no. 9 12-15 S '63.

What has been accomplished in the four years of the seven-year plan. R. Lotshin. Sov. torg. 36 no. 9 6-11 S '63.

RUSSIA—NAVY

[Centenary of the arrival of Russian war vessels to America, 1863-1963] Stoletniaia godovshchina pribytiia Russkikh eskadr v Ameriku, 1863-1963. Washington, Izd Victor Kamkin, Inc., 1963. 83 p. ("Zarubezhnye zapiski," no. 1)

Let the ocean heave its waves.... F. V. Konstantinov, I. A. Kolyshkin, A. Petelin. Smena 46 no. 11 24-25 Jl '63.

On ships, in units, and in naval commands, from reports of our volunteer correspondents. Mor. sbor. 16 no. 8:79-80 Ag '63.

RUSSIA—NAVY—POLITICAL ACTIVITY

Izmaitlov, N. I., and A. S. Pukhov. [Central Committee of the Baltic Sea Fleet] TSentrobalt. Moskva, 1963. 237 p.

RUSSIA—OFFICIALS AND EMPLOYEES

The 22d Congress of the CPSU and the officials of the state apparatus and the activists of the Soviets. Uch. zap. Perm. gos. un. 25 '62.

RUSSIA—POLITICS AND GOVERNMENT

An article written for the Soviet Ukrainian Rad. pravo no. 3:77-81 My-Je '63.

Brief news. Sov. deput. trud. no. 6:103-10

Brief news. Sov. deput. trud. no. 9:100-10

Development of public participation in the Soviets of workers' deputies. A. V. Ryb. Perm. gos. un. 25 no. 1:91-105 '62.

Educational role of the state of all people. Vest. Mosk. un. Ser. 10. Pravo. 18 no. 3

Epochs, types, stages, subdivisions, pha and periods in the development of the So law. A. A. Ushakov. Uch. zap. Perm. go 3-22 '62.

Illimonov, V. G. [Establishment and growth of the R. S. F. S. R., studies on the development of the Soviet state] Obrazovanie i razvitie RSFSR, ocherki po gosudarstvennomu stroitel'stvu. Moskva, Gosiurizdat, 1963. 229 p.

Exchange of experience, suggestions, and plans. Sov. deput. trud. no. 9 61-63 S '63.

[Gazette of the Supreme Soviet of the R. S. F. S. R.] Ved. Verkh. Sov. RSFSR 7 nos. 37, 39-41 S-O '63.

[Gazette of the Supreme Soviet of the U. S. S. R.] Ved. Verkh. Sov. SSSR 26 nos. 43-44 O '63.

Lenin's views on the work of the soviets. V. Vasil'ev. Sov. deput. trud. no. 9, 86-89 S '63.

National government, a new stage in the development of socialist state organization. I. Lukonin. Komm. Voorazh. Sil 3 no. 18:9-18 S '63.

The nature of contacts among the Soviet Republics before the establishment of the U. S. S. R. S. S. Kravchuk. Vest. Mosk. un. Ser. 10. Pravo. 18 no. 3 13-23 My-S '63.

Galesnik, L. S. [The Soviet multinational state and its role in the building of communism] Sovetskoe obshchenarodnoe gosudarstvo i ego rol' v stroitel'stve kommunizma. Moskva, Gosiurizdat, 1963. 34 p. (Bibliotechka slushatelia narodnogo universiteta pravovykh znanii)

Koytun, Iu. F. [Soviet state during the period of the large-scale building of communism, an analytical review] Sovetskoe gosudarstvo v period razvernutogo stroitel'stva kommunizma, obzornaia retsenziia. Moskva, Izd-vo "Znanie," 1963. 43 p. (V pomoshch' lektoru)

The 22d Congress of the CPSU and the officials of the state apparatus and the activists of the soviets. K. P. Savichev. Uch. zap. Perm. gos. un. 25 no. 1 107-123 '62.

Why is there only one party in the U. S. S. R.? N. Dolnashin. Kul't. i zhizn' 7 no. 1:10-11 '63.

RUSSIA—RELATIONS (GENERAL) WITH AFRICA

The association comments.... L. Pavlitin. Kul't. i zhizn' 7 no. 1:37 '63.

RUSSIA—RELATIONS (GENERAL) WITH ALGERIA

Our commentaries. Nov. vrem. 21 no. 10 1-3 O '63.

Soviet combat engineers in Algeria. IA. Davydov, V. Levin. Voen. vest. 43 no. 9 95-96 S '63.

RUSSIA—RELATIONS (GENERAL) WITH AUSTRALIA

In the ice of the Antarctic. V. G. Kort. Kul't. i zhizn' 7 no. 2:12-13 '63.

RUSSIA—RELATIONS (GENERAL) WITH BULGARIA

Soviet educators in the Bulgarian People's Republic. Sov. pedag. 27 no. 8 158-160 Ag '63.

RUSSIA—RELATIONS (GENERAL) WITH CHINA

Falsehood on the air. V. Kulikov. Sov. pech. no. 10 56-58 O '63.

In a distorting mirror. G. Mikhailov. Sov. pech. no. 9 58-59 S '63.

The voice of reason against lies. L. Aleksandrov. Sov. pech. no. 10 12-13 O '63.

RUSSIA—RELATIONS (GENERAL) WITH CUBA

Lines from the heart. V. Prokopenko. Smena 46 no. 11 14-15 Jl '63.

Our hearts remain with you! Luis Rolando Cabrera. Sov. pech. no. 7 55-57 Jl '63.

Visiting highway transport workers of heroic Cuba. B. Romanov. Avt. transp. 41 no. 5 3-5 My '63.

RUSSIA—RELATIONS (GENERAL) WITH DENMARK

Books bring us closer together.... IU. Kudrina. Kul't. i zhizn' 7 no. 2:21 '63.

RUSSIA—RELATIONS (GENERAL) WITH GREAT BRITAIN

Anglo-Soviet cooperation; partisans and opponents. A. Kaftadin. Mezhdunar. zhizn' 10 no.10 134-137 O '63.

English exhibitions in the U.S.S.R. Aleksei Maltushevich. Kul't. i zhizn' 7 no.8 25-26 '63.

The English talk about us. E. Makarov. Kul't. i zhizn' 7 no.4 46-47 '63.

In Moscow and Leningrad. Miles Mallison. Kul't. i zhizn' 7 no.2 14-15 '63.

RUSSIA—RELATIONS (GENERAL) WITH HUNGARY

Meetings with friends. Doshk. vosp. 36 no.8 100-101 Ag '63.

RUSSIA—RELATIONS (GENERAL) WITH ITALY

Centers of good deeds. Kul't. i zhizn' 7 no.8 19-21 '63

RUSSIA—RELATIONS (GENERAL) WITH JAPAN

N. S. Khrushchev's answers to the representatives of the Association of Editors and Publishers of Japan. Mezhdunar. zhizn' 10 no.9 3-9 S '63

RUSSIA—RELATIONS (GENERAL) WITH MALI

Solidarity of the peoples. Az. i Afr. segodnia no.10 56 O '63.

RUSSIA—RELATIONS (GENERAL) WITH SUDAN

With their own eyes. Kul't. i zhizn' 7 no.4 43 '63.

RUSSIA—RELATIONS (GENERAL) WITH UNITED STATES

One day and two answers of Roswell Garst. A. Serbin. Ogonek 41 no.21 25 My '63.

RUSSIA—REVOLUTION, 1917-1921

Encounter with history. E. Kanevskii. Sov. potreb. koop. 7 no.7 58-59 Jl '63

How V. I. Lenin's book "Proletarian revolution and the renegade Kautsky" should be studied. S. Titarenko. Polit. samoobr. 7 no.10 98-104 O '63.

Levitin, S. A. [Triumphal advance of the Soviet Government] Triumfal'noe shestvie Sovetskoi vlasti. Moskva, Gospolitizdat, 1963. 92 p. (Stranitsy istorii Sovetskoi Rodiny)

Meetings on the paths of the revolution. I. V. IAnkovskii. Ogonek 41 no.40 19-21 S '63.

Triumph of ideas of the Great October Revolution. Voen. vest. 42 no.11 3-6 N '62.

Triumph of the ideas of the Great October Revolution. S. Levitin. Polit. samoobr. 7 no.10 32-41 O '63.

RUSSIA—REVOLUTION, 1917-1921—BIBLIOGRAPHY

Literature on the Great October Socialist Revolution. L. Bromberg, F. Kudriavtsev, A. Smirnov. Polit. samoobr. 7 no.10 136-140 O '63.

RUSSIA—REVOLUTION OF 1905

Demochkin, N. N. [The Soviets of 1905 as organs of the revolutionary government] Sovety 1905 goda—organy revoliutsionnoi vlasti. Moskva, Gosiurizdat, 1963. 173 p.

The Revolution of 1905-1907 was the first uprising of the masses in the epoch of imperialism. O. O. Shikhmuradov. Trudy IML. Turk. fil. no.2 5-17 '56.

Zinov'ev, M. N. [The Bolshevik party in the Revolution of 1905-1907] Partiia bol'shevikov v revoliutsii 1905-1907 godov. Moskva, Gospolitizdat, 1963. 45 p. (Metodicheskie sovety propagandistam i samostoiatel'no izuchaiushchim istoriiu KPSS)

RUSSIA—STATISTICS

Figures talk. N. Ter-Minasova, V. N. Starovskii. Nauka i zhizn' 30 no.5 2-5 My '63.

RUSSIA—STATISTICS—YEARBOOKS

[National economy of the U.S.S.R. in 1962; statistical yearbook] Narodnoe khoziaistvo SSSR v 1962 godu, statisticheskii ezhegodnik. Moskva, Gosstatizdat, 1963. 736 p.

RUSSIA—UNDERGROUND LITERATURE

The paths of the "iskra." A. Mel'nikov. Znan.-sila 38 no.7 6-9 Jl '63.

RUSSIA, NORTHERN—AGRICULTURE—STUDY AND TEACHING

Agricultural work training in the schools of the Far North. N. E. Egorov. Biol. v shkole no.3 41-46 My-Je '63.

RUSSIA, NORTHERN—CONSTRUCTION EQUIPMENT—COLD WEATHER OPERATIONS

Operation of building machinery in the Far North. M. A. Gustatinskii, V. I. Dement'ev. Mekh. stroi. 20 no.10 11-13 O '63.

RUSSIA, NORTHERN—HYDROGRAPHY

Ivanov, L. A., and K. I. Matyshev. [Economics and organization of hydrographic works] Ekonomika i organizatsiia gidrograficheskikh rabot. Moskva, Izd-vo "Morskoi transport," 1963. 199 p.

RUSSIA, NORTHERN—LANDFORMS—MAPS

Method of the large-scale mapping of landforms of the floodplain lands of large rivers. E. E. Rodnianskaia. Mat. Kom. po land. kart. no.1 37-44 '61.

RUSSIA, NORTHERN—RABIES

Materials on the ecology of the "madness" of animals beyond the Arctic Circle [with summary in English]. R. A. kantorovich. Biul. MOIP. Otd. biol. 68 no.4 3-13 Jl-Ag '63

RUSSIA, NORTHERN—TUBERCULOSIS—PREVENTION

[illegible] culosis Aid in Regions of the Far North] Materialy IAkutsk, IAkutskoe knizhnoe izd-vo, 1963. 150 p. (DNLM)

RUSSIA, NORTHERN—WHEAT

Transforming spring wheat into winter wheat. K. A. Glukhikh. Vest. sel'khoz. nauki 8 no.3 48-50 Mr '63

RUSSIA, NORTHWESTERN—BORING

Technical and economic results of diamond drilling in the Northwestern Geological Administration. G. A. Blinov, A. S. Gots. Razved. i okh. nedr. 29 no.9 24-27 S '63.

RUSSIA, NORTHWESTERN—CLEARING OF LAND

Mechanism for removing boulders. IA. Petlakh. Tekh. v sel'khoz. 23 no.3 25-28 Mr '63.

RUSSIA, NORTHWESTERN—CORN (MAIZE)

Effect of the treatment of corn seed with trace elements and succinic acid on its productivity. K. Sagatov. Bot. zhur. 48 no.8 1151-1160 Ag '63

RUSSIA, NORTHWESTERN—WORMS, INTESTINAL AND PARASITIC

Brief news. Med. parazit. i parazit. bol. 32 no.1 124-125 Ja-F '63

RUSSIA, SOUTHERN—BRACHIOPODA, FOSSIL

Dagys, Algirdas. [Upper Triassic Brachiopoda of the southern U.S.S.R.] Verkhnetriasovye brakhiopody iuga SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 247 p., illus.

RUSSIAN DRAMA—HISTORY AND CRITICISM

In a simplified manner about something complex. B. Bugrov. Vop. lit. 7 no.8 220-224 Ag '63.

On the road to broad generalizations. S. Mashinskii. Vop. lit. 7 no.9 230-233 S '63.

Litovskii, O. S. [Through the eyes of a contemporary; notes of past years] Glazami sovremennika, zametki proshlykh let. Moskva, Sovetskii pisatel', 1963. 346 p.

RUSSIAN LANGUAGE—AUDIO-VISUAL AIDS

From the teacher's notebook. A. E. Dobrovol'skii. Nach. shkola 31 no.9 55-58 S '63

RUSSIAN LANGUAGE—COMPOSITION AND EXERCISES

Kustareva, V. A., and N. S. Rozhdestvenskii. [System of written exercises in composition; for grades 3 and 4] Sistema pis'mennykh uprazhnenii v sviaznoi rechi (3-4 klassy). Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 93 p.

RUSSIAN LANGUAGE—CONVERSATION AND PHRASE BOOKS—VIETNAMESE

Nikulin, N. I., and Nguyen-tien-Thong. [Russian-Vietnamese phrase book] Russko-v'etnamskii razgovornik. Moskva, Izd-vo lit-ry na inostrannykh iazykakh, 1961. 156 p.
(NcD)

RUSSIAN LANGUAGE—DICTIONARIES—ENGLISH

Russian-English glossary of economic and trade terms. New York, Telberg Book Company [1959] 31 p.
(WaU)

RUSSIAN LANGUAGE—ETYMOLOGY

Biography of words. Lev Uspenskii. Nauka i zhizn' 30 no.9 98-99 S '63.

RUSSIAN LANGUAGE—GRAMMAR

Borkovskii, V. I., and P. S. Kuznetsov. [Historical grammar of the Russian language] Istoricheskaia grammatika russkogo iazyka. Moskva, Izd-vo Akad. nauk SSSR, 1963. 511 p.

RUSSIAN LANGUAGE—NOUN

Why do we talk like that? O. Smirnova. Semlia i shkola 18 no.5 48 My '63.

RUSSIAN LANGUAGE—OLD RUSSIAN—PHONETICS

Methods of studying literary monuments as sources of the phonetic history of Russian. K. V. Gorshkova. Vest. Mosk. un. Ser. 7: Filol., zhur. 18 no.4 81-87 Jl-Ag '63.

RUSSIAN LANGUAGE—ORTHOGRAPHY

Grushnikov, P. A. [Orthographic dictionary; textbook for elementary school pupils] Orfograficheskii slovarik, posobie dlia uchashchikhsia nachal'noi shkoly. Moskva, Uchpedgiz, 1963. 87 p.

RUSSIAN LANGUAGE—STUDY AND TEACHING

Elkina, A. I., V. V. Ivanova, and E. G. Klimova. [Collection of dictations for primary grades, a teacher's aid] Sbornik diktantov dlia nachal'nykh klassov, posobie dlia uchitelia. Moskva, Uchpedgiz, 1963. 191 p.

Creative search. V. Grinman. Sred. spets. obr. 10 no.9 53-57 S '63

Akademiia pedagogicheskikh nauk RSFSR. Moscow, Institut obshchego i politekhnicheskogo obrazovaniia. [Developing the spoken and the written language in Russian language lessons] Razvitie ustnoi i pis'mennoi rechi na urokakh russkogo iazyka. Pod. red. G. P. Strenova. Moskva, Izd-vo APN RSFSR, 1962. 78 p. (Pedagogicheskie chteniia)
(CaOTU)

Kul'chitskaia, P. M., and K. I. Pavlova. [Exercises in Russian lexicon and phraseology, textbook for philology students in pedagogic institutes and for teachers in secondary schools] Sbornik uprazhnenii po leksikologii i frazeologii russkogo iazyka, posobie dlia studentov filologicheskikh fakul'tetov pedinstitutov i uchitelei srednei shkoly. Kiev, "Radians'ka shkola," 1963. 58 p.

I. I. Sreznevskii on the preschool study of the Russian language. I. Mesemashin. Doshk. vosp. 25 no.9 42-44 S '63.

Pervova, V. M., M. G. Sviridova, and E. P. Tonkonogaia. [Instructional and methodological manual on the Russian language for evening (staggered) and correspondence schools] Uchebno-metodicheskoe posobie po russkomu iazyku dlia vechernei (smennoi) i zaochnoi shkoly. Moskva, Izd-vo APN RSFSR. (Pedagogicheskaia biblioteka uchitelia)
No.1 1962. 287 p.

Gor'kovskaia mezhvuzovskaia lingvisticheskaia konferentsiia, Gorkiy, 1958. [Problems in teaching modern Russian in institutions of higher learning] Voprosy prepodavaniia sovremennogo russkogo iazyka v vuze, materialy. Gor'kii, Gor'kovskii gos. univ., 1960. 200 p.
(OU)

Struggle against dialectal mistakes. Z. S. Ageeva. Nach. shkola 31 no.9 32-35 S '63.

RUSSIAN LANGUAGE—STYLE

Do avoid cliches. V. A. Dobromyslov. Nauka i zhizn' 30 no.5 46 My '63.

Imagery of the Russian literary language. I. Burdishellar. Doshk. vosp. 36 no.8 55-57 Ag '63.

RUSSIAN LANGUAGE—SYNONYMS

Dictionary of synonyms (to be continued). Nauka i zhizn' 30 no.9 96-97 S '63.

RUSSIAN LANGUAGE—TEXTBOOKS FOR FOREIGNERS

Khromets, N. G., and A. P. Veisman. [Textbook of the Russian language for non-Russians] Uchebnik russkogo iazyka dlia nerusskikh. Izd. 2, perer. i sokrashchennoe. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1959. 447 p.

RUSSIAN LANGUAGE—VERSIFICATION

Benefits of literacy. A. Karpov. Vop. lit. 7 no.9 218-221 S '63.

RUSSIAN LANGUAGE—WORDS

Biography of words. Lev Uspenskii. Nauka i zhizn' 30 no.5 96-97 My '63.

Let's know and love Russian words. M. Morozova. Doshk. vosp. 36 no.9 45-46 S '63.

RUSSIAN LITERATURE

Publication of belles lettres. E. Agafonenkov. Sov. kniga torg. 15 no.8 8-9 Ag '63.

Savel'ev, S. A. [Your friend, comrade, and brother; a literary collection] Tvoi drug, tovarishch i brat; literaturno-khudozhestvennyi sbornik. Moskva, [Sovetskaia Rossiia] 1962. 212 p.
(CSt-H)

RUSSIAN LITERATURE—HISTORY AND CRITICISM

Frank Kermode's tales. A. Dymshits. Vop. lit. 7 no.9 123-126 S '63.

Heroic art for a heroic time (to be continued). V. Nedelkov. Znamia 33 no.9 178-187 S '63.

Selivanovskii, A. P. [In literary battles; selected articles and studies] V literaturnykh boiakh; izbrannye stat'i i issledovaniia. Izd. 2., dop. Moskva, Sovetskii pisatel', 1963. 611 p.

In the struggle for a "party of the people" in literature. G. Solov'ev. Vop. lit. 7 no.9 107-122 S '63.

Military adventure. N. Loginova. Sov. voin 43 no.17 19 S '63.

National and international features of Soviet literature. N. IE. Krutikova. Rad. lit. 7 no.5 130-47 S-O '63.

Vinogradov, V. V. [Plot and style; comparative-historical studies] Siuzhet i stil'; sravnitel'no-istoricheskie issledovaniia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 190 p.

Poetry of criticism. I. Grinberg. Znamia 33 no.9 213-216 S '63.

Remarks about a portrait. N. Slaviatinskii. Vop. lit. 7 no.9 177-180 S '63.

RUSSIAN LITERATURE—HISTORY AND CRITICISM (Continued)

Re'e of V I Lenin's book "Materialism and empirio criticism" in the struggle against decadent trends in th Russian literature of the early 20th century I L Aronets, O I Bliagoevchenskaia Nauch i up Zapor gos ped inst 7 210-223 '59

Self-sacrifice which didn't occur I Il'inskii Vop lit 7 no 8:131-138 Ag '63

Kaznelsov, M. M. [The Soviet novel, sketches] Sovetskii roman, ocherki Moskva, Izd-vo Akad. nauk SSSR, 1963 300 p.

Alekseev, M N [Springs gush forth] B'iut rodniki, Moskva, Sovetskaia Rossiia, 1963 195 p. (Literaturnaia Rossiia) (NN)

Truth of the times. V. Kamianov. Vop. lit. 7 no. 9: 202-213 S '63.

Kuznetsov, F. F. [What should I be; literature and the moral education of the person] Kakim byt', literatura i nravstvennoe vospitanie lichnosti. Moskva, Sovetskii pisatel', 1962, 241 p. (RPB)

World through the eyes of the young. N Rudin Smena 40 no 14 26-27 Jl '63

RUSSIAN LITERATURE—STUDY AND TEACHING

Let's awaken the thinking of students. V P Bogoroditskaia, Nach. shkola 21 no 6 51-54 S '61.

RUSSIAN NEWSPAPERS (see also subdivision under Donets Basin)

Karnaukh, G. P. [Along the path of the newspaper "Pravda"] Po puti gazety "Pravda" [L'vov] Izd-vo L'vovskogo univ., 1963, 165 p (MIC)

Leninist newspaper "Nasha Put'" M. Shkol'nik. Sov pech. no. 9 18-19 S '63.

The paths of the "Iskra." A. Mel'nikov Znan.-sila 38 no. 7 6-8 Jl '63.

Sixtieth anniversary of the second Congress of the Russian Social Democratic Party, the flame ignited by Iskra Sov. pech. no. 7 25-26 Jl '63.

Well done! Valuable initiative of our newspapers. Sov. deput. trud. no 6:95 Je '63

Well done! Valuable suggestions of Soviet newspapers. Sov. deput. trud. no. 9:91 S '63

RUSSIAN NEWSPAPERS—INDEXES

[Chronicle of newspaper articles] Let. gazet. sl. no. 9 '63.

RUSSIAN NEWSPAPERS—SECTIONS, COLUMNS, ETC.

"Workers" pages in newspapers. Part. zhizn' no. 20 71-77 O '63.

RUSSIAN PERIODICALS—INDEXES

[Chronicle of periodical articles] Let. zhur. sl. no. 38 '63.

RUSSIAN PLAIN see East European Plain

RUSSIAN POETRY

In search of Boyan. N. Natanov. Znan.-sila 38 no. 3:42-45 Mr '63.

Kushtum, N.A., ed. [Ural Poetry Day] Den' ural'skoi poezii [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962 127 p. (MIC)

RUSSIAN POETRY—HISTORY AND CRITICISM

Always ancwt (remarks of a poet). L. Ozerov. Vop lit. 7 no. 8 51-70 Ag '63.

Hit the target! (remarks on publicist lyrics). Al. Mikhailov. Vop. lit. 7 no. 9:23-28 S '63.

It is time for maturity. V. Gelideko. Smena 40 no. 16: 18-19 Ag '63.

Legibility is necessary. V. Gusev. Vop. lit. 7 no. 9: 213-218 S '63.

Prokushev, Iu. L. [Poetry of the October Revolution] Poezila Oktiabria. Moskva, Izd-vo "Znanie," 1963 45 p (Novoe v zhizni, nauke, tekhnike. VI Seriia Literatura i iskusstvo, no 15)

Right to inspiration. A. Makarov. Znamia 33 no. 9:188-189 S '63.

Roll call of the times. E. Naumov. Znamia 33 no 9: 217-219 S '63.

Studies on the poetry of the 1910's. N. R. Mazepa. Rad. lit. 7 no. 5:150-152 S-O '63.

Ozerov, L. A. [Work of the poet] Rabota poeta; kniga statei. Moskva, Sovetskii pisatel', 1963. 334 p.

RUSSIAN POETRY—TRANSLATIONS INTO ROMANCE LANGUAGES

Translation of Maiakovskii's poetry into Romance languages. V. A. Shvachkin. Uch. zap. Perm. gos. un. 23 no. 2, 212-231 '62.

RUSSIAN SATELLITES see Communist Countries

RUSSIAN SOCIAL DEMOCRATIC PARTY (see also subdivision under Astrakhan, Dnepropetrovsk, Turkmenistan)

Zinov'ev, M. N. [The Bolshevik party in the Revolution of 1905-1907] Partiia bol'shevikov v revoliutsii 1905-1907 godov. Moskva, Gospolitizdat, 1963 15 p (Metodicheskie sovety propagandistam i samostoiatel'no izuchaiushchim istoriiu KPSS)

Ziobin, V. I. [The Bolshevik party during the years of the new revolutionary movement 1910-1914] Partiia bol'shevikov v gody novogo revoliutsionnogo pod"ema (1910-1914), lektsii dlia studentov-zaochnikov gosudarstvennykh universitetov [Moskva] Izd-vo Moskov gos. univ., 1962 61.

First program of the Bolshevik Party on the social rights of workers. V. Karavaev Okhr. truda i sots. strakh. 6 no. 7 2-4 Jl '63.

Alekseev, A. G. [From the party of the workers' class to the party of all the people] Ot partii rabochego klassa—k partii vsego naroda Leningrad, Gb-vo "Znanie," RSFSR, 1963. 55 p

The great Lenin's party V A Radus-Zenkovich. Shkola int no 4 5-6 Jl-Ag '63

Literature dedicated to the 60th anniversary of the Second Congress of the Russian Social Democratic Party Part. zhizn' no 13 76-77 Jl '63

Role of the Committee for the Convocation of the Second Congress of the Russian Social Democratic Party T N Stepanenko Ukr ist zhur 7 no 4 85-89 Jl-Ag '63

Sixtieth anniversary of the Second Congress of the Russian Social Democratic Workers' Party. Zdrav. Ros Feder 7 no 9 3-6 S '63

Under the banner of Lenin M Holenko Nauka i zhyttia 13 no 7 1-2 Jl '63

V I Lenin on the establishment of the Marxist party of Russian revolutionary workers and the basic phases of its history and development O T Rybchenko Ukr ist zhur 7 no 4 13-21 Jl-Ag '63

RUSSIAN SOCIAL DEMOCRATIC PARTY—CONGRESSES

The 60th anniversary of the Second Congress of the Russian Social Democratic Party M. Lopatkin Sov potrebkoop. 7 no 7 1-2 Jl '63.

RUSSIANS—CRANIOLOGY see subdivision under Transbaikalia

RUSTAVELI, SHOTA, fl 1190

Beridze, V. M. [Studies on Rustaveli] Rustvelologicheskie etiudy Tbilisi, Akad. nauk Gruzinskii SSR, 1961 318 p (MH)

RUSTAVI—INDUSTRIAL HYGIENE

The only one in the world. B. Zolotov Okhr. truda i sots. strakh. 6 no 9:6-7 S '63

RUSTAVI—PIPE MILLS

The only one in the world. B. Zolotov. Okhr. truda i sots. strakh. 6 no 9 6-7 S '63.

RUSTAVI—SINTERING

Sintering high-basicity mixtures at the Rustavi metallurgical plant D A Rukhadze, N. N Gorderiani Stal' 23 no. 6:490 Je '63

RUSTS (FUNGI)

Breeding sunflower for resistance to rust. G. V. Pustovoit. Zashch. rast. ot vred. i bol. 8 no. 9 10-11 S '63.

RUTHENIUM

Mechanism underlying high-temperature volatilization of ruthenium coprecipitated with various substances. IU N Golovanov and others. Atom. energ. 15 no 3: 219-223 S '63.

RUTHENIUM OXIDE

Reaction of ruthenium tetraoxide with ammonia A. N. Riabov, A. B Nikol'skii Zhur. neorg. khim 8 no. 9: 2213 S '63.

RUZAYEVKA (SARATOV PROVINCE)—WALL NEWSPAPERS

The daily wall newspaper. E. Ballasnikov. Part. zhizn' no. 18 65 S '63.

RYAZAN—ARCHITECTS

Vagner, G. K [Ryazan artists and architects of long ago] Starye khudozhniki i arkhitektory Riazani. [Riazan'] Riazanskoe knizhnoe izd-vo, 1960 68 p illus (MICROFILM)

RYAZAN—ARTISTS

Vagner, G. K. [Ryazan artists and architects of long ago] Starye khudozhniki i arkhitektory Riazani [Riazan'] Riazanskoe knizhnoe izd-vo, 1960, 68 p illus (MICROFILM)

RYAZAN—EDUCATION, PRESCHOOL

We would like to tell about it. N. Rusanova, IU. Liakhovskaia. Doshk. vosp. 36 no. 8 12-13 Ag '63.

RYAZAN—ELECTRIC LAMPS

Do not stop with the achievement. A. I. Lysova. Za indus. Riaz. no. 2:9-10 D '61

RYAZAN—ELECTRIC POWER PLANTS

Automation of operating processes of boiler units at the Novo-Riazan Thermal-Electric Power Station IU. N. Novo-Riazan, G. I. Mamaev, Za indus. Riaz. no. 2, 35-39 D '61

RYAZAN—ELECTRONIC COMPUTERS

Mechanic V. V. Gorenkov. Sh. V. Monastyrskii Za indus. Riaz no. 2:10-11 D '61

RYAZAN—LOADING MACHINERY

On a count of 1961 V D Borzov. Za indus. Riaz. no. 2: 11-12 D '61.

RYAZAN—HISTORY

How Russian chroniclers described the destruction of Riazan by Batu A. G Fuzhum. Vest. Mosk. un. Ser. 9 Ist. 18 no 2 55-70 Mr-Ap '63.

RYAZAN—MACHINE-TOOL INDUSTRY

For present and future plants. I N. Sysoev. Za indus. Riaz. no. 2:10-12 D '61.

RYAZAN—NONFERROUS METAL INDUSTRIES

We do not receive complaints. N. M. Vil'mov. Za indus. Riaz. no. 2:12-14 D '61.

RYAZAN PROVINCE—CEMENT INDUSTRIES

Great life of the "Spartak" plant M. M. Bocv, O. G Fedotova Za indus. Riaz no. 2 27-29 D '61.

RYAZAN PROVINCE—CONSTRUCTION INDUSTRY

Build rapidly, inexpensively, and well. S. G. Vlasov. Za indus. Riaz no. 2:21-26 D '61.

Industrial structures in industrial building. V. V. Budanova. Za indus. Riaz no 2 32 D '61.

Rapid construction of apartment houses. M. S. Bernas. Za indus. Riaz. no. 2 29-31 D '61.

RYAZAN PROVINCE—HOSPITALS, GYNECOLOGIC AND OBSTETRIC

Some problems of the organization of obstetrical aid for the rural population IA S Mindlin Zdrav Ros Feder 7 no 9 26-28 S '63

RYAZAN PROVINCE—INDUSTRIAL MANAGEMENT

Introduced and technically substantiated norms for the expenditure of materials A. V Buzin. Za indus. Riaz. no. 2:22 D '61.

Speed up the fulfillment of the decisions of the 22d Congress of the CPSU on overall mechanization and automation of production processes. I. A. L'vov Za indus Riaz. no 2 33-35 D '61.

RYAZAN PROVINCE—INDUSTRIAL MANAGEMENT—FINANCE

Introduction of new equipment and expansion of industrial production using State Bank credits. L. P. Zhdeleva, Za indus Riaz no 2:19-21 D '61.

RYAZAN PROVINCE—INDUSTRIAL WASTES

Industrial units for utilizing waste gases and solutions. I. A. Grinazov Za indus. Riaz. no. 2:41-45 D '61.

RYAZAN PROVINCE—INDUSTRIES

Enterprises of the Economic Council at the Exhibition of Achievements of the National Economy of the U. S. S. R A. A. Erokhin. Za indus. Riaz. no 2:69 D '61.

At the threshold of the fourth year of the seven-year plan. A. M. Borisov. Za indus. Riaz. no. 2:5-8 D '61.

RYAZAN PROVINCE—POTATO HARVESTING MACHINERY

Continuous potato harvesting. N. I. Timofeev. Za indus. Riaz. no. 2,67-68 D '61

RYAZAN PROVINCE—TECHNICAL SOCIETIES

Functions of technical councils should be transferred to initial organizations of scientific and technological societies. V. S. Ilidin. Za indus Riaz no. 2:63 D '61.

RYAZAN PROVINCE—TECHNOLOGICAL INNOVATIONS

The most important condition for technical development. B. N. Kudinov. Za indus. Riaz. no. 2:17-18 D '61.

RYAZAN PROVINCE—ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS

Use of ultrasonic techniques in the industry of the Ryazan Economic Region. G. A. Manzhos. Za indus. Riaz. no. 2, 61-63 D '61.

RYAZHSK DISTRICT—SOCIAL GROUP WORK

Spiritual life in collective farm villages A. Baskakov. Sov. deput. trud. no. 6:9-14 Je '63

RYBAK, NATAN SAMUILOVYCH, 1913-

Kobylets'kyi, IU. S. [Natan Rybak; an account of his life and works] Natan Rybak, krytyko-biohrafichnyi narys. Kyiv, Radians'kyi pys'mennyk, 1963 124 p (CaOTU)

RYE—VARIETIES see subdivision under Ukraine

RYKALIN, NIKOLAI NIKOLAEVICH, 1903-

N. N. Rykalin is 60 years old. Avtom svar. 16 no. 9:93 S '63.

N. N. Rykalin, on his 60th birthday. Svar. proizv. no. 9 45 S '63.

RYL'SKYI, MAKSYM, 1895-

"...Our song was born of purity." Vladimir Prikhodko. Znamia 33 no.9 204-207 S '63.

SABBATH (JEWISH LAW)

Leisure in chains. M. Altshuler. Nauka i zhizn' 4 no.3 65-70 My '63.

SACROCOCCYGEAL REGION—INNERVATION

Transverse connections of the sacral section of the sympathetic trunk. G.G. Dmitrovskaia. Vop. morf. periferich. sist. no.6:71-79 '63.

SACROCOCCYGEAL REGION—SURGERY

Some data on the distribution of pilonidal sinuses and their treatment. S.Z. Ogurtsian. Zhur. eksp. i klin. med. 3 no.1:87-92 '63.

SADOVA VISHNYA—ANTIQUITIES

Results of the study of the early Russian site of Zamchisk in Sadova Vishnya, Lvov Province in 1957 - 1959. O.O. Ratych. Mat. i issl. po arkheol. Prikarp. i Vol. no.1:106-119 '62.

SAFETY BELTS

Improvement of the snap hooks of body belts. V.S. Lomin. Energetik 11 no.8:33 Ag '63.

SAILORS (NAVY)—RECREATION

Meetings on the way. Revmira Sokolova. Sov. voin. 45 no.18:41 S '63.

SAINTS—CONTROVERSIAL LITERATURE

Liubov, I.V. [Secret of a silver sepulchre] Taina serebrianoi grobnitsy. [Lipetsk] Lipetskoe knizhnoe izd-vo, 1963. 37 p.

SAKHALIN

Teplinskii, M.V. [Sakhalin journeys] Sakhalinskie puteshestviia. Iuzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1962. 64 p. (NIC)

SAKHALIN—BOTANY

Notes on the expedition to regions of Khabarovsk Territory and to the southern regions of Sakhalin. N.V. Vlasogurova. Trudy Alma-At. bot. sada 7:139-148 '63.

SAKHALIN—FOREST FIRES—PREVENTION AND CONTROL

From the practices in controlling forest fires in Sakhalin. P. Shchetinskii. Les. khoz. 16 no.3:12 Mr '63.

SAKHALIN—FORESTS AND FORESTRY—VALUATION

A reference book on the evaluation of forests in Sakhalin. G.I. Starikov. Les. prom. 40 no.3:22 Mr '63.

SAKHALIN—POTATO LATE BLIGHT

How to prevent the spreading of Phytophthora infection. M.V. Bordukova, B.A. Zaikin, E.V. Glinka. Zashch. rast. ot vred. i bol. 8 no.8:48-49 Ag '63.

SAKHALIN—SALMON

Materials on the biology of young Oncorhynchus masu (Brevoort) in some rivers of Sakhalin. S.P. Volovik. Vop. ikht. 3 no.3:508-512 '63.

SAKI DISTRICT—PEDDLERS AND PEDDLING

In the steppes of the Black Sea region. S. Makarov. Sov. potrebkoop. 7 no.7:11-14 Jl '63.

SALAIR RIDGE—GEOLOGICAL TIME

Age of complex metal deposits in the Salair Ridge and some characteristics of their distribution [with summary in English]. E.G. Distanov. Geol. i geofiz. no.8:38-54 '63.

SALAIR RIDGE—GEOLOGY, STRATIGRAPHIC

New data on the stratigraphy of Middle Cambrian sediments in the Salair Ridge. V.A. Astashkin. Trudy SNIIGGIMS no.24:87-91 '62.

SALAIR RIDGE—ORE DEPOSITS

Age of complex metal deposits in the Salair Ridge and some characteristics of their distribution [with summary in English]. E.G. Distanov. Geol. i geofiz. no.8:38-54 '63.

SALAIR RIDGE REGION—GEOLOGICAL TIME

Age of the Tomskozavod series. V.G. Zinchenko. Mat. po geol. Zap. Sib. no.63:149-153 '62.

SALAIR RIDGE REGION—OSTRACODA, FOSSIL

Age of the Tomskozavod series. V.G. Zinchenko. Mat. po geol. Zap. Sib. no.63:149-153 '62.

SALASPILS (CONCENTRATION CAMP)

Sausnis, K., ed. [Salaspils, the death camp; reminiscences] Salaspils naves nometne, atmiņu krajums. Riga, Latvijas valsts izdevnieciba, 1962. 278 p. [In Latvian]

SALINE AND ALKALI SOILS
(see also subdivision under Caspian Sea region)

Determination of the depth of bedding of a crystalline basement from the surface of saline soils. G.V. Bogomolov. Dokl. AN BSSR 7 no.7:461-466 Jl '63.

SALINE WATERS see subdivision under White Russia

SALIVA

Determination of the extent of a lesion of the facial nerve by the saliva radioindication method [with summary in English]. F.G. Umanskii, M.A. Shuster, L.A. Iudin. Med. rad. 7 no.12:21-25 D '62.

SALIVARY GLANDS

Secretory salivation as a conditioned motor reflexes in rabbits. M.A. Ogandzhanyants. Zhur. eksp. i klin. med. 3 no.2:17-21 '63.

SALLER, KARL, 1902-

Professor K. Saller's 60th birthday. V.V. Bunak. Vop. antr. no.13:148 '63.

SALMON see subdivision under Sakhalin

SALMONELLA

Antigenic connections in Shigella and Salmonella. Part 3. Use of serum-treated antigens for a study of the genetic connections in the family of intestinal bacteria. I.I. Pers. Zhur. mikrobiol. epid. i immun. 40 no.1:49-54 '63.

Antigenic properties of deoxyribonucleic acid in Salmonella typhimurium No. 70. V.D. Timakov, and others. Zhur. mikrobiol. epid. i immun. 40 no.1:5-14 '63.

Evaluation of the virulence and immunogenicity of Salmonella and Shigella vaccine strains by determination of the median dose (50%). E.N. Melikova, I.G. Vasil'eva. Zhur. mikrobiol., epid. i immun. 40 no.1:92-98 '63.

Preparation of monoreceptor phage II H serums for the identification of Salmonella. A.S. Zuev. Zhur. mikrobiol., epid. i immun. 40 no.1:66-69 '63.

Rapid method for detecting Salmonella in the organs and tissues of dead animals [with summary in English]. P.I. Pritulin. Veterinariia 39 no.9:79-82 S '62.

Rapid methods for detecting Salmonella in milk [with summary in English]. I.I. Arkhangel'skii, V.M. Kartashova. Veterinariia 39 no.9:71-78 S '62.

SALMONELLA INFECTIONS

Antibiotic therapy for young farm animals with salmonellosis and colibacillosis. I.I. Kotenko. Veterinariia 39 no.11:69-71 N '62.

SALOL CRYSTALS

Mechanism of the growth of salol crystals from the melt. D.E. Ovsienko, G.A. Altunov. Kristallografiia 8 no.5:706-709 S-O '63.

SALT

For you, housekeeper. Koop. Kazakh. 6 no.3:64 Je '63.

SALTING-OUT

Influence of covalence of the interaction of a salting out cation with water molecules on the effectiveness of salting out. O.IA. Samoilov, R.F. Golovatenko, V.I. [Ashkinchev]. Radiokhimiia 5 no.1:100-104 '63.

Salting out in the extraction of manyl nitrate from aqueous solutions. R.F. Golovatenko, Zhur. neorg. khim. 8 no.10:2305-2309 O '63.

SALTS

Change of the type of singular star of quinary systems when a sulfate ion is substituted for halides. V.I. Posypaiko. Zhur. neorg. khim. 8 no.9:2178-2183 S '63.

Phase transitions in the systems $TiCl_4$ - $POCl_3$ - $AlCl_3$ ($NbCl_5$, $TaCl_5$) [with summary in English]. B.A. Volotovich, A.S. Bakumovskaia. Dop. AN URSR no.8:1068-1072 '63.

SALTYKOV, ALEKSANDR DIMITRIEVICH, 1806-1859

Russian Indian.... V. Vladimirov. Ogonek 41 no.21:24 My '63.

SALUZIDE

Treatment of lupus erythematosus with resochin and saluzide. N.V. Demenkova. Vest. derm. i ven. 37 no.2:80-82 F '63.

SALVAGE
(see also subdivision under Great Britain)

The problems of salvage; some remarks relating to the proposed code of maritime law. V.M. Raikher. Inform. sbor. TSNIMF no.49, Mor. pravo i prak. no.9:27-33 '60.

SAMARKAND—BAKERIES

At the Samarkand Bakery Combine. Z.M. Munirov. Khleb. i kond. prom. 7 no.8:31 S '63.

SAMARKAND—COINS, ORIENTAL

A Samarkand fels of Ishāq Ibn Ahmad. I. Dobrovol'skii. Epig. Vost. no.15:88-89 '63.

SAMARKAND PROVINCE—CRANIOLOGY

Skulls from the Zoroastrian ossuary in Frinkent near Samarkand. G.B. Turkevich. Trudy Inst. etn. 82:154-168 '63.

al-SAMARQANDĪ, SHAMS AL-DIN MUHAMMAD IBN ASHRAF, fl. 1291

Basic propositions by Shams al-Din Muhammad ibn Ashraf al-Husaini al-Samarqandi [extract, translated from the Arabic]. Ist.-mat. issl. no.14:598-602 '61.

Proofs of Euclid's Fifth Postulate in works by Thābit Qurrah al-Harrānī and Shams al-Din al-Samarqandī. B.A. Rozenfel'd, A.P. IUshkevich. Ist.-mat. issl. no.14:587-592 '61.

SAMGORA REGION—HONEY PLANTS

Study of the secretion of nectar by basic honey plants; possibilities for its use by bees in the Samgora region. Georgian S.S.R. N.A. Mshvidobadze. Shor. trud. Gruzinsk. sel'skokhoz. inst. 32:169-186 '61.

SANATORIUMS
(see also subdivision under Odessa)

Volunteer aids. M. Kommisarova. Sov. profsoiuzy 1 no.16:20-22 Ag '63.

SANCTIONS (LAW)

"Sanctions in Soviet law" by O.F. Leist. Reviewed by Kozlov. Vest. Mosk. un. ser. 10 Pravo 18 no.4:71-75 Jl-S '63.

SAND, FOUNDRY

Mechanized removal of sand mixture from molding machines. G.N. Pronin, A.F. Kudriavtsev. Lit. prom. no.8:36-37 Ag '63.

SAND, GLASS—ANALYSIS

Rapid determination of iron oxides and aluminum in sand. K.M. Puntikova, P.A. Sazonova, K.I. Begtina, Stek. i ker. 20 no.10:40-41 O '63.

SAND AND GRAVEL INDUSTRY
(see also subdivision under Ukraine)

Dredging machine operations in the production of raw materials. F. TSeitlin. Rech. transp. 22 no.9:18 S '63.

Dressing of gravel by the jigging method. M.I. Nerovich, I.A. Kasabov. Stroi. mat. 9 no.9:5-6 S '63.

SAND AND GRAVEL PLANTS

Designing plants for the sand and gravel industry. I.V. Dobrynin, I.IA. Levit. Prom. stroi. 40 [i.e. 41] no.7:20-22 Jl '63.

SAND FLIES see subdivision under Tashkent

SAND FLIES AS CARRIERS OF DISEASE
(see also subdivision under Karshi District)

Biological characteristics of a vaccine strain of the pappataci fever virus passaged through the organism of a sand fly. E.V. Finogenova. Trudy TashNIIVS 5:28-36 '62.

Infection of sand flies by the pappataci fever virus in an experiment. E.V. Finogenova. Trudy TashNIIVS 5:20-27 '62.

SAND-LIME PRODUCTS

Replace large-block apartment houses with large-panel ones. V. Ivanov, A. IAkushev, B. Kishev. Zhil. stroi. no.6:4-7 '63.

SANDSTONE see subdivision under Crimea

SANDSTONE—TESTING

Change in the physical properties of sandstones under action of pressure from all sides. V.M. Dobrynin. Trudy MINKHiGP no.41:253-273 '63.

SANDWICH CONSTRUCTION

Stability of a freely supported sandwich plate subjected to bending in two directions. V.P. Karnozhitskii. Izv. vuz. zhur. 3 no.1:183-186 '63.

SANGI, VLADIMIR

A word about those born in the 20th century. Anatolii Petrov. Mol. komm. no.6:123-126 Je '63.

SANITARY ENGINEERING—EQUIPMENT AND SUPPLIES

Lobachev, P.V., and E.L. Lobachev. [Study of materials used in sanitary engineering] Materialovedenie (po sanitarnoi tekhnike). Moskva, Gosstroizdat, 1963. 187 p.

SANITARY ENGINEERING—RESEARCH see subdivision under Moscow

SANITARY ENGINEERING—TECHNOLOGICAL INNOVATIONS

Dubrovkin, S.D. [Innovations in sanitary engineering work] Novoe v sanitarno-tekhnicheskikh rabotakh [Moskva] Moskovskii rabochii, 1963. 84 p.

SANTONIN

Biology of flowering and selection of santonin-rich forms of wormwood in the trans-Ili region. E.A. Belova. Trudy Alma-At. bot. sada 7:100-107 '63.

SAPOZHOK DISTRICT—CATTLE—DISEASES AND PESTS

Methods for trichophytosis control. E.G. Dokudovskii. Veterinariia 39 no.11:32-35 N '62.

SAPOZHOK DISTRICT—RINGWORM

Methods for trichophytosis control. E.G. Dokudovskii. Veterinariia 39 no.11:32-35 N '62.

SARANSK—ARCHITECTURE

Voronin, I. D., V. P. Ostroumov, and I. M. Chelmakin. [Saransk, the capital of the Mordvinian A.S.S.R., an historical and architectural essay] Saransk — stolitsa Mordovskoi ASSR, istoriko-arkhitekturnyi ocherk Saransk, Mordovskoe knizhnoe izd-vo, 1960 36 p illus

[MICROFILM]

SARANSK—HISTORY

Voronin, I. D., V. P. Ostroumov, and I. M. Chelmakin. [Saransk, the capital of the Mordvinian A.S.S.R., an historical and architectural essay] Saransk — stolitsa Mordovskoi ASSR, istoriko-arkhitekturnyi ocherk Saransk, Mordovskoe knizhnoe izd-vo, 1960 36 p illus

[MICROFILM]

SARATOV—CHEMICAL INDUSTRIES

Expansion of the Saratov Hydrolysis Plant. I. A. Naumets, Gidroliz. i lesokhim. prom. 16 no. 6 25-26 '63.

Transforming words of the posters. I. A. Filipchenko. Agitator no. 20 28-31 O '63.

SARATOV—MILITARY EDUCATION

With cadets at the Saratov academy. V. Nesterov, Voen. vest. 43 no. 9 62-64 S '63.

SARATOV—SOAP INDUSTRY

Proposals of the efficiency promoters of the Saratov Oils and Fats Combine. V. M. Lychkin and others. Masl.-zhir. prom. 29 no. 8 30 Ag '63.

SARATOV PROVINCE—FOOD INDUSTRY—FINANCE

Issuing credit for the expansion and mechanization of trade and state delivery organizations. V. Lapaksin. Den. i kred. 21 no. 10 63-64 O '63.

SARATOV PROVINCE—GRAIN ELEVATORS

Issuing credit for the expansion and mechanization of trade and state delivery organizations. V. Lapaksin. Den. i kred. 21 no. 10 63-64 O '63.

SARATOV UNIVERSITY

The bridges of friendship. Mykola Bazylivs'kyi. Ukraina no. 22:1 S '63.

SARI'AN, MARTIROS SERGEEVICH, 1880-

Burden of the earth. M. S. Sar'ian. Ogonek 41 no. 41: 8-9 O '63.

SARMATIANS see subdivision under Stanislav Province

SASTROAMIDJOJO, ALI, 1903-

People and events. Ali Sastroamidjojo, Frederick James Erroll. Nov. vrem. 21 no. 37 15 S '63.

SATIRE

On a "gay" wave. V. Volkov. Sov. pech. no. 10 29-30 O '63.

SATIRE, UKRAINIAN

History of Soviet Ukrainian satire. V. O. Doroshenko. Rad. lit. 7 no. 5:147-149 S-O '63.

Some characteristics of Ukrainian satire during the Revolution of 1905-1907. M. L. Honcharuk. Rad. lit. 7 no. 4:112-124 Jl-Ag '63.

SATIRISTS see subdivision under Buryat A.S.S.R.

SAUDI ARABIA—INVESTMENTS, AMERICAN

Almost incredible. B. Bulatov. Az. i Afr. segodnia no. 10 58-59 O '63.

SAUDI ARABIA—PETROLEUM INDUSTRY

Almost incredible. B. Bulatov. Az. i Afr. segodnia no. 10 58-59 O '63.

SAUDI ARABIA—POLITICS AND GOVERNMENT

Last monarchies on the Arabian Peninsula. A. Vasil'ev. Mezhdunar. zhizn' 10 no. 9:143-145 S '63.

SAUSAGES

Chirintsikov, V. I., and A. S. Bujanova. [Stuffing and tying of sausage] Shpitsevanie i viazka kolbas. Moskva, Pishchepromizdat, 1963. 46 p. (Biblioteka molodogo rabochego)

SAVVINO REGION (MOSCOW PROVINCE)—STURGEONS

Characteristics of the rearing and winter upkeep of sterlet in ponds. F. M. Sukhoverkhov, V. M. Koroleva, A. S. Pisarenkova. Trudy VNIPRKH 8:180-189 '56.

SAWFLIES—BIOLOGICAL CONTROL see subdivision under White Russia

SAWING

(see also subdivision under Sotrina region)

Semiautomatic line for firewood sawing. L. V. Trukhtenkov. Les. prom. 40 no. 3:12-14 Mr '62

SAWMILLS

About errors in the book "Guide for the foremen of a sawmill," by A. G. Sharin. Der. prom. 12 no. 6 26-27 Je '63.

Mechanized tank of a sawmill. Der. prom. 12 no. 9:20 S '63.

Urgent problems in sawmilling for export purposes. I. Poloka, P. Mokretsov, G. Kokarev. Les. prom. 41 no. 7 25-26 Jl '63.

SAWMILLS—BIBLIOGRAPHY see Bibliography—Sawmills

SAWMILLS—EQUIPMENT AND SUPPLIES

New machinery produced by the "Sevzavmash" Kommunar" Plant. Les. prom. 40 no. 3:2 of cover Mr '62

SAWS

Attachment to the TsPA machine for sawing veneer. G. M. Iralin. Der. prom. 12 no. 10 20 O '63.

SAYAN MOUNTAIN REGION—GEOLOGICAL TIME

Age of the "Bazaikha" Cambrian fauna complex. L. I. Koptev. Trudy SNIIGGIMS no. 21 35-37 '60.

SAYAN MOUNTAIN REGION—GEOLOGY, STRATIGRAPHIC

Correlation of Cambrian sediments in the western part of the Altai-Sayan fold area. M. K. Vinkman, A. V. Gintsinger. Trudy SNIIGGIMS no. 21 58-78 '62.

Scheme of the stratigraphy of Lower Cambrian and the lower part of Middle Cambrian sediments in the Altai-Sayan fold area. M. K. Vinkman and others. Trudy SNIIGGIMS no. 24 23-34 '62.

SAYAN MOUNTAIN REGION—PALEONTOLOGY, STRATIGRAPHIC

Biostratigraphic scheme of Lower Cambrian sediments in the Altai-Sayan fold area. A. A. Predtechenskii, A. P. Shcheglov. Trudy SNIIGGIMS no. 21 10-22 '62.

SAYAN MOUNTAINS—GEOLOGY, STRATIGRAPHIC

Upper Devonian Carboniferous volcanism in the Altai-Sayan fold area. V. M. Semikov. Trudy SNIIGGIMS no. 24 156-160 '62.

SAYAN MOUNTAINS—GEOLOGY, STRUCTURAL

Zonenshain, L. P. [Tectonics of the Western Sayan Mountains] Tektonika Zapadnogo Sayana. Pod red. A. A. Bogdanova. Moskva, Gosgeoltekhizdat, 1963. 110 p.

SAYAN MOUNTAINS—ORE DEPOSITS

Intrusive complexes of the northwestern part of the Eastern Sayan Mountains and their metallogenic role. A. D. Shelkovnikov. Trudy SNIIGGIMS no. 21 161-169 '62.

SAYAN MOUNTAINS—ROCKS, IGNEOUS

Intrusive complexes of the northwestern part of the Eastern Sayan Mountains and their metallogenic role. A. D. Shelkovnikov. Trudy SNIIGGIMS no. 21 161-169 '62

SAYLYUGEM RANGE—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Devonian red beds in the Saylyugem Range. A. I. Rodygin. Mat. po geol. Zap. Sib. no. 63:103-115 '62.

SCAFFOLDING see subdivision under Sverdlovsk Province

SCALP—DISEASES

Spontaneous recovery from scalp microsporia caused by Microsporum lanosum. I. S. Popov. Vest. derm. i ven. 37 no. 2 48-51 F '63.

Treatment in mycoses of the scalp with 4% epilin plaster [with summary in English]. L. I. Pandeev, I. T. Artemyeva. Vest. derm. i ven. 37 no. 2 78-80 F '63.

SCANDINAVIAN STUDIES—CONGRESSES

Academic conference on Scandinavian studies. E. D. Zhitnitskaia, L. P. Serebriannyi. Izv. AN SSSR, Ser. geog. no. 5:152-154 S-O '63.

SCARLET FEVER

C-reactive protein in patients with scarlet fever. A. I. Ivanov, P. M. Pashinin. Pediatriia 42 no. 1:47-48 Ja '63.

Changes in the cardiovascular system of children with a history of uncomplicated scarlet fever [with summary in English]. R. P. Baraseva. Pediatriia 42 no. 1:7-11 Ja '63.

Disorder in kidney function following changes in the urine during scarlet fever [with summary in English]. Z. G. Bulatkina, E. I. Pal'vik. Pediatriia 42 no. 1:12-15 Ja '63.

"Scarlet fever as a streptococcal infection" by L. L. Bogdanov. Reviewed by L. K. Korovitskii. Vrach. delo no. 7:152 Jl '63.

SCATTERING (PHYSICS)

Analytic properties of the forward scattering amplitude in nonlocal theory [with summary in English]. L. V. Prokhorov. Zhur. eksp. i teor. fiz. 45 no. 3:791-796 S '63.

Factorization of scattering amplitudes of particles with spins in a Regge pole [with summary in English]. D. V. Volkov. Zhur. eksp. i teor. fiz. 45 no. 3:742-745 S '63.

Resonance reflection of γ-rays from the surface of a crystal [with summary in English]. M. I. Podgoretskii. Zhur. eksp. i teor. fiz. 45 no. 3:780-782 S '63.

Scattering amplitude in quasi-classical approximation. Iu. G. Pavlenko. Vest. Mosk. un. Ser. 3: Fiz., astron. 18 no. 3:70-74 My-Je '63.

SCHIZOPHRENIA

Melekhov, D. E. [Clinical foundations for the prognosis of working ability in schizophrenia] Klinicheskie osnovy prognoza trudosposobnosti pri shizofrenii. Moskva, Medgiz, 1963. 197 p.

(DNLM)

Treatment of schizophrenia patients persistently refusing food. R. I. Gol'dshtein. Vrach. delo no. 9 147-148 S '63.

SCHOOL DISCIPLINE

Leichenkov, T. D. [School discipline and teachers' exactingness] Distsiplina v shkole i trebovatel'nost' uchitelia. Moskva, Uchpedgiz, 1963. 62 p.

SCHOOL EXCURSIONS

(see also subdivision under Ukraine)

Acquainting children with construction work. V. Dutko. Doshk. vosp. 36 no. 9 31-35 S '63.

Connection between kindergartens and schools. N. Shinkarenko. Doshk. vosp. 36 no. 9, 29-31 S '63.

Excursions into a forest. M. Pochynok. Doshk. vykh. 21 no. 5 28-30 My '63.

Excursions of evening school and correspondence students to production plants. A. N. Sviridov, A. P. Maslov. Sred. spets. obr. 10 no. 9 39-44 S '63.

How a loaf of bread grew up in the field. A. Kozhukhova. Doshk. vosp. 36 no. 7:93-94 Jl '63.

Let's teach them to love their hometown. V. Trenina. Doshk. vosp. 36 no. 7:50-51 Jl '63.

Mathematical excursions in primary grades. B. I. Druzi. Rad. shk. 12 no. 5:55-57 My '63.

Tourist excursion of students. R. I. Isurina. Biol. v shkole no. 3:65-67 My-Je '63.

SCHOOL HYGIENE

In the Ministry of Education of the R. S. F. S. R. Doshk. vosp. 36 no. 7:26-28 Jl '63.

SCHOOL LIBRARIES

The library as a center of ideological and political life. V. Stozharova. Shkola-int. no. 1 20-23 Jl-Ag '63

SCHOOL MUSIC—INSTRUCTION AND STUDY

New features in singing lessons. V. Belobrodova. Shkola-int. no. 1 65-67 Jl-Ag '63

SCHOOL SPORTS

Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut fizicheskogo vospitaniia i shkol'noi gigieny. [Track and field sports; a program for sports sections of the physical culture collectives of eight-year and secondary schools] Legkaia atletika, programma dlia sportivnykh sektsii kollektivov fizicheskoi kul'tury vos'miletnikh i srednikh shkol. Moskva, Izd-vo "Fizkul'tura i sport," 1963. 57 p.

SCHOOL SUPERVISION see subdivision under Ukraine

SCHOOLCHILDREN—FOOD

Guard children's health. P. Lebedeva. Doshk. vosp. 36 no. 7:101-105 Jl '63.

Let's give tasty food to children. V. Vedenеev. Semia i shkola 18 no. 5 35-36 My '63.

Milk products in students' rations. IA. Solovichik. Shkola-int. no. 1 68-70 Jl-Ag '63

SCHOOLHOUSES

(see also subdivision under Ukraine)

Capacity of the combined preschool institutions. P. Smirnova. Doshk. vosp. 36 no. 7:10-12 Jl '63.

SCHOOLS—FIRES AND FIRE PREVENTION

A friend of children. V. Voronin. Pozh. delo 9 no. 9:9 S '63

Take care, friend! I. Druzi. Doshk. vosp. 36 no. 7:106-107 Jl '63.

SCHOOLS—FURNITURE, EQUIPMENT, ETC.

(see also subdivision under Ukraine)

Demonstration stand. V. M. Zasukhin, O. I. Borobets'. Rad. shk. 42 no. 5:92 S '63.

SCHUBERT, FRANZ PETER, 1797-1828

Krauklis, G. V. [Piano sonatas by Schubert; guide] Fortepiannye sonaty Shuberta, putevoditel'. Moskva, Muzgiz, 1963. 118 p. (Biblioteka slushatelia konsertov)

SCIATIC NERVE—WOUNDS AND INJURIES

Bone dystrophy in the extremities of rabbits induced by partial resection of the femoral or sciatic nerve. T. M. Kapustina. Ortop., travm. i protez. 24 no. 2:14-18 F '63.

SCIENCE

Theory and experiment in contemporary science. P. Kopnin. Polit. samoobr. 7 no. 10:60-67 O '63.

SCIENCE—BIBLIOGRAPHY see Bibliography—Science

SCIENCE—INFORMATION SERVICES

Main trends in science information services of large reference libraries. M. I. Levin. Trudy [Len. i publ. bibl. 11:63-72 '63.

SCIENCE—MISCELLANEA

In all the world. Znan.-sila 38 no. 3:22-23 Mr '63

"Science marches on" by Oleg Pisarzhevskii. Reviewed by A. Glukhov. Znan.-sila 38 no. 3:17 Mr '63.

SCIENCE—PERIODICALS

With increased attention. Nauka i zhizn' 30 no.5 35 My '63.

Myth and reality. Nauka i zhizn' 30 no.9 69 S '63.

SCIENCE—STUDY AND TEACHING

[illegible] the role of general [illegible] in the formation of [illegible] Sov.pedag. 27 no.8 3- Ag '63.

Let's train [illegible] from their childhood. K.B. Sviridov. Pol'sh. 42 no.5 14-16 My '63.

SCIENCE—TERMINOLOGY

[illegible] of scientific and technological terminology in the development of scientific information work. O.I. [illegible], Vest. AN SSSR 33 no.4 8-11 '63.

SCIENCE—YEARBOOKS

Chernovitz. Universitet. [Science yearbook for 1957] Nauchnyi ezhegodnik za 1957 god. Chernovtsy, Chernovitskii gos. univ., 1958. 522 p.

SCIENCE AND COMMUNISM see Communism and science

SCIENCE CLUBS

Our club "KSN" [Club of scientific cooperation]. I. Glan. Smena 40 no.14 30-31 Jl '63.

SCIENCE FICTION

The incredible in daily life. H. Wells. Vop. lit. 7 no.9 171-176 S '63.

Who did he steal the radioactive cobalt? Oleg Pisarzhevskii. Nauka i zhizn' 30 no.5 50-51 My '63.

SCIENCE NEWS

Abroad. Nauka i zhizn' 30 no.9 52-53 S '63.

Brief notes on various things. Semlia i shkola 18 no.9 42 S '63.

From the original texts. A.I. Berg. Ogonek 41 no.21; 18-19 My '63.

In the whole world. Znan.-sila 38 no.7 22 Jl '63.

A little about many things. Znan.-sila 38 no.3;38-39 Mr '63.

SCIENTIFIC APPARATUS AND INSTRUMENTS

Science and life (to be continued). V. Emel'ianov. Nauka i zhizn' 30 no.9 19-21 S '63.

SCIENTISTS, AMERICAN

A defender of the bomb. Iu. Sheinin. Mezhdunar. zhizn' 10 no.10 125-127 O '63.

SCINTILLATION COUNTERS

Apparatus for detecting coincidences of relativistic charged particles. N.B. Pakhomova and others. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no.4 89-98 '62.

Calculation of pulse amplitude distributions and counting efficiencies for a fast neutron scintillation detector. V.G. Zolotukhin, G.G. Doroshenko, B.A. Efimenko. Atom. energ. 15 no.3 194-200 S '63.

Determination of the functional state of the thyroid gland with the DSU-61 type diagnostic scintillation apparatus. V.N. Slavnov, T.P. Sivachenko. Med. rad. no.1 36-38 '63.

Multicomponent radiometric analysis of rock samples with the LSU-5k scintillation counter "Laura." A.L. Lakubovich, E.I. Zaitsev, V.V. Anosov. Atom. energ. 15 no.3 224-230 S '63.

Some characteristics of α-particle counting by type I diamonds. F.A. Afanas'eva, E.A. Konorova. Fiz. tver. tela 5 no.9;2556-2560 S '63.

Use of scintillation counters in the radioisotope method of measuring the wear of toothed wheels. L.I. Tishchenko. Mekh. i avtom. v gor. prom. no.3 128-140 '63.

SCINTILLATION SPECTROMETRY

Egorov, Iu.A. [Scintillation method of gamma-ray and fast-neutron spectrometry] Stsintillatsionnyi metod spektrometrii gamma-izlucheniia i bystrykh neitronov. Moskva, Gosatomizdat, 1963. 304 p.

Scintillation methods for studying (γ, P) reactions. V.G. Shevchenko, B.A. Iur'ev. Vest. Mosk. un. Ser. 3 Fiz., astron. 18 no.5;11-17 S-O '63.

Use of oxadiazole derivatives as scintillation activators in various solvents. L.M. Kutsyna and others. Opt. i spektr. 15 no.3;438-440 S '63.

SCLERODERMA

Two cases of surgical treatment of pes equinus developing from scleroderma. G.L. Edel'shtein, M.F. Tukubaeva. Ortop., travm. i protez. 24 no.2;71-72 F '63.

SCOTT, SIR WALTER, 1771-1832

Interrelation of conflict and plot in the historical novels of W. Scott written from 1810 to 1820, "Waverley," "Puritans," and "Rob Roy." A.A. Bel'skii. Uch. zap. Perm. gos. un. 23 no.2;5-25 '62.

SCOURING COMPOUNDS

Synthetic preparations for the degreasing of metals. E.G. Kachanov, A.I. Stanishevskii, N.P. Kalutskaia. Masl.-zhir. prom. 29 no.8 24-25 Ag '63.

SCRAPERS

Determination of efficient parameters for the technological layouts of the operation of wheeled scrapers. P.T. TSarenshchikov. Izv. vys. ucheb. zav., gor. zhur. 6 no.8 151-160 '63.

Increasing the efficiency of scrapers with inclined tanks. A.N. Putemkhin. Mekh. stroi. 20 no.9 7-9 S '63.

Operating self-propelled D357G scrapers on heavy ground. O.A. Bard, shev. Mekh. stroi. 20 no.9 19-20 S '63.

SCREENS (MINING)

Dynamic analysis of an oscillating screen in an inclined plane. A.P. Diomidov, V.I. Melkikh. Izv. vys. ucheb. zav., gor. zhur. 6 no.3 173-179 '63.

SCREW-CUTTING MACHINES

Universal rotary screw-cutting machine. IA.S. Goldman, B.I. Iseis. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no.8 32-34 '63.

SCREW THREAD ROLLING

Rolling pipe thread. A.I. Fridland. Standartizatsiia 27 no.9 14-16 S '63.

SCREWDRIVERS

Screwdriver for wheel nuts. V. Svichkarev. Avt. transp. 41 no.10 25 O '63.

SCRUBBER (CHEMICAL TECHNOLOGY)

Intensification of the process of benzene recovery. I.M. Khanin and others. Koks i khim. no.9 40-43 '62.

Study of the processes of physical absorption and chemisorption in a rotary-type apparatus. R.Sh. Safin, A.M. Nikolaev, N.M. Zhavoronkov. Trudy KKHTI no.30 341-351 '62.

SCULPTURE, ANCIENT see subdivision under Kirghistan, Rumania

SCULPTURE, FRENCH

Zaretskaia, Z.V., and N.K. Kosareva. [French sculpture from the 17th to the 20th century] Frantsuzskaia skul'ptura XVII-XX vekov. Leningrad, Izd-vo Gos. Ermitazha, 1963. 163 p. [Text in Russian and French]

SCULPTURE, GREEK

Kolpinskii, Iu.D. [Sculpture of ancient Hellas] Skul'ptura Drevnei Ellady. Moskva, Izd-vo Akad. khudozh-stv SSSR, 1963. 22 p., illus.

SCULPTURE, TURKIC

Iconography of ancient Turkic sculptures. A.IA. Sher. Izv. AN Kir. SSR, Ser. obshchestv. nauk 5 no.1;45-57 '63.

SEA ANEMONES

Damselfish and actinia. I. Akimushkin. Nauka i zhizn' 30 no.9,89 S '63.

SEA BUCKTHORN see subdivision under Tuva A.S.S.R.

SEA ICE

Peschanskii, I.S. [Study of ice and ice technology] Ledovedenie i ledotekhnika. Leningrad, Izd-vo "Morskoi transport," 1963. 345 p.

SEALING (TECHNOLOGY)

Determining geometrical dimensions of the elements of rubber ring sealings of hydraulic and pneumatic units. L.G. Fortinov. Izv. vys. ucheb. zav., av. tekh. 6 no.3 100-112 '63.

SEALS (NUMISMATICS)

Kamentseva, E.I., and N.V. Ustiugov. [Russian sphragistics and heraldry] Russkaia sfragistika i geral'dika. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 222 p.

SEAMANSHIP

Greater attention to boat handling. V.P. Zaitsev. Mor. sbor. 46 no.8;68-69 Ag '63.

SEAWATER

Conference on the protection of seawater and coastal areas from pollution. Mor. flot 23 no.10;45 O '63.

Ocean water as a product of the volcanic activity. K.K. Zelenov. Biul. Vulk. sta. no.34;51-55 '63.

SEAWATER—ANALYSIS

Separation of radioactive cesium from seawater. Part I: Separation of cesium as a compound with zinc, copper, and nickel ferrocyanides. V.P. Shvedov, L.M. Ivanova, V.I. Zharikov. Radiokhimiia 5 no.2;182-185 '63.

Separation of radioactive cesium from seawater. Part 2: Separation of cesium as a compound with alkaline earth ferrocyanides. L.M. Ivanova, V.P. Shvedov. Radiokhimiia 5 no.2;186-189 '63.

SEBACEOUS GLANDS—DISEASES

Seborrhea and its complications. IU.F. Korolev. Med. sestra 22 no.8;14-18 Ag '63.

SECHENOV, IVAN MIKHAILOVICH, 1829-1905

Hundredth anniversary of the "Brain reflexes." V.P. Dulenko. Biol. v shkole no.3;70-73 My-Je '63.

SECONDARY ELECTRON EMISSION

Akishin, A.I. [Ion bombardment in a vacuum] Ionnaia bombardirovka v vakuume. Moskva, Gosenergoizdat, 1963. 143 p.

Energy distribution of secondary electrons [illegible] electrons generated by soft X-rays. [illegible] P.V. Melnik. Uch. zap. Tver. tela 5 no.9;111-[illegible]

Secondary electron emission from alkali films [illegible] motnova. Uch. zap. Tver. tela 5 no.9;115-[illegible]

SECTS
(see also subdivision under Georgia)

Those who disappeared without trace. S. Il'in. Nauka i rel. 1 no.5 60-61 My '63.

SECURITY, INTERNATIONAL see subdivision under Europe

SEDIMENTARY ROCKS See Rocks, Sedimentary

SEDIMENTS (GEOLOGY)—ANALYSIS see subdivision under Polesye

SEDIMENTS (GEOLOGY)—RADIOACTIVE PROPERTIES see subdivision under Kuma Valley, Terek Valley

SEED POTATOES see subdivision under Moldavia

SEED PRODUCTION
(see also subdivision under Archangel Province, Germany, East; Khakass Autonomous Province)

Eliminate the loss of cones in logging operations. I.T. Volchal'. Les. khoz. 16 no.3;63-64 Mr '63.

Producing heterotic tomato seeds without castration [with summary in English]. A.A. Mikheeva, L.V. [illegible]rova. Izv. TSKHA no.2;34-38 '63.

Role of the growing conditions in [illegible] and seed production. N.I. Orlovskii. Vest. sel'skokh. nauki 8 no.3;140-141 Mr '63.

A valuable manual on forest seed production. I.V. Gribanov. Les. khoz. 16 no.7;100-01 Jl '63.

SEEDS

Spruce seed reserves in the litter. S.P. Rich[illegible]. Les. khoz. 16 no.7;97 Jl '63.

SEEDS—CLEANING

Cleaning and grading small seeds in the field by discharge. A. Basov, T. Lukienko. Tekh. sovet. v sel. 23 no.3;70-72 Mr '63.

Machines for flaxseed cleaning. M.G. Gitsevich. Mekh. i sel'khozmash. 33 no.4;23-25 Ap '63.

Pneumatic ChSP make seed cleaner. IA.I. Kaz[illegible] others. Mash.-zhil. prom. 29 no.6;21-[illegible]

SEEDS—DISINFECTION

Disinfecting lupine seeds immediately after [illegible] A.I. Zolotarev. Zashch. rast. ot vred. i bol. [illegible] 23-24 Ag '63.

Disinfecting medicinal plant seeds. N.I. [illegible] V.I. Nosyrev. Zashch. rast. ot vred. i bol. [illegible] S '63.

Disinfecting winter wheat seeds. M.M. [illegible] Zashch. rast. ot vred. i bol. 8 no.8;30-31 Ag '63.

Need for quality control in seed disinfection. A.I. [illegible]skii, K.I. Rodina. Zashch. rast. ot vred. i bol. 8 S '63.

Seed disinfectants (continuation). L.I. Andreeva. Zashch. rast. ot vred. i bol. 8 no.9;28-29 S '63.

Seed disinfectants. L.I. Andreeva. Zashch. rast. ot vred. i bol. 8 no.8;30-31 Ag '63.

Semidry method for disinfecting barley seeds. S.I. Allmuratov. Zashch. rast. ot vred. i bol. [illegible] Ap '63.

SEEDS—GRADING

Cleaning and grading small seeds in the field by discharge. A. Basov, T. Lukienko. Tekh. sovet. v sel. 23 no.3;70-72 Mr '63.

Seed quality. A.K. Medvedovskii. Zemle[illegible] [illegible] 68-69 Ag '63.

SEEDS—MORPHOLOGY

Studying the seeds of monocotyledonous plants with caryopsis of corn as a model. V.I. Kvantaliani. Biol. v shkole no.3;38 My-Je '63.

SEGEZHA—WOODPULP INDUSTRY—EQUIPMENT AND SUPPLIES

Testing of an experimental system for high-speed gas purification apparatuses in the lime recovery [illegible] the Segezha Central Paper Combine. V.F. Mikhai[illegible] V.A. Bushmelev, A.I. Yorl. Trudy L.[illegible] 93 '62.

SEISMIC PROSPECTING
(see also subdivision under Azerbaijan; West Siberian Plain; White Russia)

Accuracy of determining the depth of penetration [illegible] ray with Chibisova's formula. A.G. Averbukh. Izv. AN SSSR. ser. geofiz. no.37;64-68 '63.

Combination grouping of receivers with an optimum covering of the bases. L.V. Petrov. Prikl. geofiz. no.37;14-39 '63.

Estimation of the effect of accidental time shifts between seismic signals on the effectiveness of grouping. IU.P. Lukashin. Prikl. geofiz. no.37;40-47 '63.

General equation of a hodograph of short refracted waves. E.V. Riazanova. Prikl. geofiz. no.37;9-13 '63.

SEISMIC PROSPECTING (Continued)

Hodograph of reflected waves for an arbitrary section. V. O. Uryson. Prikl. geofiz. no. 37 44-55 '63.

Kazakov, A. T. [Methods and equipment for blasting operations in seismic prospecting] Metodika i tekhnika vzryvnykh rabot pri seismorazvedke. Izd 2, perer i dop. Moskva, Gostoptekhizdat, 1963. 282 p.

Some possibilities of using correlated reception in the reflected wave method. IU. P. Lukashin. Prikl. geofiz. no. 31:56-63 '63.

Study of seismic waves by combined vertical and horizontal profiling. E. I. Gal'perin, A. V. Frolova. Izv. AN SSSR, Ser. geofiz. no. 9:1307-1323 S '63.

Using the results of seismic prospecting for paleotectonic concepts. V. R. Shevchenko. Geol. nefti i gaza 7 no. 8:55-58 Ag '63.

SEISMIC WAVES

Appearance of loops on the hodographs of leading waves. V. V. Trigubov. Geol. i geofiz. no. 7:103-109 '63.

Study of transformed reflected waves in media with weak differential velocities. I. S. Berzon, L. I. Ratnikova, M. I. Rats-khidzgiia. Izv. AN SSSR, Ser. geofiz. no. 9:1293-1306 S '63.

SEISMOLOGICAL RESEARCH see subdivision under Antarctic Regions

SEISMOLOGY see subdivision under Baikal Lake region; Soviet Central Asia

SEISMOMETERS

Apparatus for correlated recording of seismic vibrations and results of its use. V. A. Grodzenskii, E. P. Vishniakov, IA. P. Malovitskii. Prikl. geofiz. no. 37:87-94 '63.

Long-period magnetron seismograph. E. M. Linikov. Izv. AN SSSR, Ser. geofiz. no. 9:1357-1360 S '63.

SEISMOMETRY

Determination of the true ground movement and its spectrum on a seismogram. E. F. Savarenskii, S. A. Fedorov, B. V. Gogichaishvili. Izv. AN SSSR, Ser. geofiz. no. 9:1340-1347 S '63.

Practice of using the seismoacoustic method to study the stress state of a coal massif. IU. G. Spitsyn. Sbor. DonUGI no. 20:53-61 '63.

Use of directed sources for detecting transformed $S_{12}P_{21}$ sliding diffracted head waves and $S_{12}P_1$ sliding diffracted waves. V. I. Meshbei, I. M. Muzyka. Izv. AN SSSR, Ser. geofiz. no. 9 1324-1339 S '63.

Using seismoacoustic apparatus to study the dynamics of the stress state of a coal seam. IU. G. Spitsyn, IU. R. Reznik, L. S. Chursin. Sbor. DonUGI no. 20:61-67 '63.

SELENATES

Approximate calculation of the heats of formation of selenates. N. M. Selivanova. Zhur. neorg. khim. 8 no. 9:2024-2028 S '63.

SELENIUM—METALLURGY

Hydrometallurgical processing of fused sodium matte from sodium sulfate smelting of cupellation dusts. I. R. Polyvianyi, N. A. Militina. Trudy Inst. met. i obog. AN Kazakh. SSR 6:64-71 '63.

Separation of selection from tellurium by distillation. L. A. Nisel'son, A. I. Pustil'nik, L. A. Soshnikova. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no. 2:79-85 Mr-Ap '63.

SELENIUM CRYSTALS

Experimental study of the zone structure of hexagonal selenium and tellurium crystals. V. V. Sobolev. Dokl. AN SSSR 151 no. 6:1308-1310 Ag '63.

SELF-GOVERNMENT (IN EDUCATION)

Student council is a great power. G. G. Davtian. Vest. vys. shkoly 21 no. 9:26-28 S '63.

SELIGER LAKE REGION—GUIDEBOOKS

[Lake Seliger] Ozero Seliger. [Kalinin, Kalininskoe oblastnoe knizhnoe izd-vo, n.d.] 25 p. illus.

SEMANTICS

Approach of a typology of the semantics of natural languages. V. A. Moskovich. NTI no. 8:21-23 '63.

SEMEN

New method for determining the resistance of semen. I. V. Smirnov, V. I. Postavnaia. Zhivotnovodstvo 24 no. 5:70-71 My '62.

SEMEN—MICROBIOLOGY

Detection of Mycobacterium paratuberculosis in the sperm of bulls. I. I. Lukashev, V. I. Rotov, O. I. Rozhniatovskaia. Veterinariia 39 no. 9:28-30 S '62.

SEMEN—PRESERVATION

Equipment for semen freezing. F. I. Ostashko. Zhivotnovodstvo 24 no. 5:67-70 My '62.

SEMEN—SPECTRA

Diagnosis of sperm stains by the spectrographic method. N. M. Gubin. Sud.-med. ekspert. 6 no. 3:10-13 Jl-S '63.

SEMICARBAZONES

Mössbauer's spectra of complex compounds of iron with diacetylthiosemicarbazone oxime. A. V. Ablov and others. Dokl. AN SSSR 151 no. 6:1352-1355 Ag '63.

SEMICONDUCTORS

Certain properties of semiconductors with narrow forbidden zones. V. L. Bonch-Bruevich. Fiz. tver. tela 5 no. 9:2714-2717 S '63.

Method of measuring electric conductivity for the study of sintering processes in alumina-containing mixtures. N. M. Dicbot, E. I. Khazanov. Izv. SO AN SSSR no. 7, Ser. khim. nauk no. 2 54-61 '63.

SEMICONDUCTORS—ACOUSTIC PROPERTIES

Ultrasound propagation in semiconductors. V. I. Pustovoit. Fiz. tver. tela 5 no. 9:2490-2500 S '63.

SEMICONDUCTORS—DIPOLE MOMENTS

Microwave analogs of the Farady, Cotton-Mouton, and Kerr effects in semiconductors. A. B. Roitsin. Fiz. tver. tela 5 no. 9 2395-2401 S '63.

SEMICONDUCTORS—ELECTRIC PROPERTIES

Theory of current instability in semiconductors and semimetals. L. E. Gurevich, I. V. Ioffe. Fiz. tver. tela 5 no. 9:2671-2681 S '63.

SEMICONDUCTORS—THERMAL PROPERTIES

Aliev, M. I. [Thermal conductivity of semiconductors] Teploprovodnost' poluprovodnikov. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 145 p.

Comments on P. V. Gul'tiaev and A. V. Petrov's article "Heat capacity of certain semiconductors." E. N. Khabarov. Fiz. tver. tela 5 no. 9:2711-2712 S '63.

SEMICONDUCTORS, EFFECT OF RADIATION ON

Impurity photoconductivity in germanium irradiated by fast electrons. R. IU. Khansevarov. Fiz. tver. tela 5 no. 9:2704-2706 S '63.

SEMIGORODNAYA REGION—TIMBER

Stimulating the output of industrial lumber at the Semigorodnaya Logging Camp. V. Kharevich. Les. prom. 41 no. 8:27-28 Ag '63.

SEMIOLOGY (COMMUNICATION)

What the semioticians talk about.... A. Kondratov. Znan.-sila 38 no. 3:10-13 Mr '63.

SEMIPALATINSK PROVINCE—PEDDLERS AND PEDDLING

Blank spots on the map are obliterated. S. IArullin. Koop. Kazakh. 6 no. 3 41-45 Je '63.

SEMIPALATINSK PROVINCE—PINE—DISEASES AND PESTS

Biological method for controlling the pine moth Dendrolimus pini in the strip pine forests of Semipalatinsk Province. V. P. Kirillov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 7:83-86 Jl '63.

SEMIPALATINSK PROVINCE—TENT CATERPILLARS—BIOLOGICAL CONTROL

Biological method for controlling the pine moth Dendrolimus pini in the strip pine forests of Semipalatinsk Province. V. P. Kirillov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 7:83-86 Jl '63.

SENIAVIN, DMITRII NIKOLAEVICH, 1763-1831

Admiral D. N. Seniavin. A. Basov. Voen.-ist. zhur. 5 no. 8:126-128 Ag '63.

SENILE PSYCHOSIS

Comparative data on the excretion of 17-ketosteroids in women with a presenile psychosis and a climacteric syndrome [with summary in English]. S. I. Ochan, N. I. Ignatova, M. V. Shukhgalter. Vrach. delo no. 9:76-80 S '63.

SENTENCES (CRIMINAL PROCEDURE)

Judicial errors in the imposition of penalty. E. Cherniakskii, V. Zubanov. Sov. iust. no. 15:11-13 Ag '63.

SEPARATION (TECHNOLOGY)

Separation of lubricants aboard ship. V. Podosinnikov. Rech. transp. 22 no. 9:30-31 S '63.

Vacuum-thermal separation of cesium and potassium fluorides. A. S. Mikulinskii and others. Izv. SO AN SSSR no. 7, Ser. khim. nauk no. 2 105-107 '63.

SEPARATORS (MACHINES)

Experimental operation of DSG-25 separators. IU. P. Shilov, L. S. Batikov. Gidroliz. i lesokhim. prom. 16 no. 6:28 '63.

Power consumption by an industrial hydrocyclone during the classification of pyrite ores. IU. I. Nikitin, V. V. Kliachin. TSvet. met. 36 no. 9:16-21 S '63.

[Power engineering processes in cyclone smelting] TSiklonnye plavil'nye energo-tekhnologicheskie protsessy; trudy nauchno-tekhnicheskogo soveshchaniia, provedennogo Moskovskim energeticheskim institutom v marte 1962 g. Nauchn. redaktor N. A. Semenenko. Moskva, Metallurgizdat, 1963. 119 p.

SEQUENCES (MATHEMATICS)

Sets of convergence and divergence of functional sequences. I. P. Kornfel'd. Izv. vys. ucheb. zav., mat. no. 4:79-88 '63.

Universal sequences of functions. D. Men'shov. Dokl. AN SSSR 151 no. 6:1283-1285 Ag '63.

SERAKHS DISTRICT—TICKS

A new species of argasid ticks (subfamily Argasinae, family Argasidae), Argas hoklemischevi n. sp. [with summary in English] M. V. Pospelova-Shtrom, I. S. Vasil'eva, L. L. Semashko. Med. parazit. i parazit. bol. 32 no. 2 61-65 Ja-F '63.

SERBIA—CHURCH LANDS

History of the landed property of churches and monasteries in Serbia, Macedonia, and Zeta in the second half of the 14th century. E. P. Naumov. Sred. vek no. 23:134-148 '63.

SERBIAN EPIC POETRY see EPIC POETRY, Serbian

SERDOBOL'SKII, IVAN PAVLOVICH, 1893-1963

Ivan Pavlovich Serdobol'skii, obituary. Pochvovedenie no. 9 112 Agfie S) '63.

SEREBRYANYE PRUDY—DISTILLING INDUSTRIES—BY-PRODUCTS

Growing of fungous amylase in the Serebryanye Prudy Distillery. T. T. Lunkova. Spirt. prom. 29 no. 6 33-34 '63.

SERFDOM

(see also subdivision under Armenia)

"Development of serfdom in Russia in the second half of the 17th century" by A. G. Man'kov. Reviewed by A. G. Zadera, A. P. Pronshtein. Vop. ist. 38 no. 9:116-118 S '63.

SERGEEV, FEDOR ANDREEVICH, 1883-1921

Glorious anniversary. V. P. Lukin. Ukr. ist. zhur. 7 no. 4 155 Jl-Ag '63.

SERIES

Expansion in Neumann type series of original functions defined by Laplace transforms. V. M. Amerbaev. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2 78-97 '63.

Number of transpositions in the minimal decomposition of a substitution. M. E. Nemenman, M. S. Margolin. Vestsi AN BSSR, Ser. fiz.-tekh. nav. no. 3:132-134 '63.

Sets of convergence and absolute convergence of power series with two variables. V. A. Beliaev. Mat. sbor. 62 no. 1 39-52 S '63.

Solution of the inverse problem by the series-expansion method. A. P. Bazzhin, A. A. Gladkov. Inzh. zhur. 3 no. 3:517-518 '63.

SERIES, DIRICHLET'S

Theory of universal Dirichlet series. N. S. Chashchina. Izv. vys. ucheb. zav., mat. no. 4:165-167 '63.

SERIES, TAYLOR'S

Successive remainders of Taylor series [with summary in English]. IU. A. Kazmin. Vest. Mosk. un. Ser. I Mat., mekh. 18 no. 5:35-46 S-O '63.

SEROLOGY

Brief news. N. M. Ovchinnikov, E. P. Lesnikov. Vest. derm. i ven. 37 no. 2 91-94 F '63.

Serological variants of the dysentery bacillus Shigella boydii 103. M. E. Lipkin. Zhur. mikrobiol., epid. i immun. 40 no. 1 48-51 '63.

SERPUKHOV—CARRIAGES AND CARTS

Technical control division acts in an amateur way. L. Bochko. Okhr. truda i sots. strakh. 6 no. 7:34-35 Jl '63.

SERPUKHOV—TRANSPORTATION, AUTOMOTIVE

Method of working in brigades is efficient. N. Bolotn'kov. Avt. transp. 41 no. 5:6-7 My '63.

SERUM

(see also subdivision under Udmurt A. S. S. R.)

Electrophoretic study of antitoxic Diaferm 3 serums additionally treated with aluminum hydroxide. V. V. Budylina, Z. I. Sosina. Zhur. mikrobiol., epid. i immun.

SERUM DIAGNOSIS (Continued)

Testing the scolex precipitation reaction in echinococcosis of farm animals. V. T. Ramazanov. Vest. sel'khoz. nauki [Tadzhik.] 6 no. 7-69-72 Jl '63.

SERUM THERAPY

Clinical data on the effectiveness of the therapeutic use of antigrippin in children and adults. P. P. Shubalova and others. Vrach. delo no. 9 111 Jl '63.

Experimental therapy of thermal burns of the upper respiratory tracts and the lungs [with summary in English] P. N. Lobov and others. Pat. fiziol. i eksp. terap. no. 1 21-28 Ja-F '63.

SERVICE INDUSTRIES
(see also subdivision under Kazakhstan, Kharkov, Kharkov Province, Kursk, Latvia, Lvov, Virgin Territory, Zaporozh'ye Province)

True stories. L. Davidov. Mest. prom. i khud. promys. 4 no. 1-5 Ap '63.

SERVICE INDUSTRIES—FINANCE see subdivision under Moldavia

SERVICE STATIONS—EQUIPMENT AND SUPPLIES

Automatic device preventing fuel overflow in filling motor vehicles. I. Shamovich, B. Mednik. Avt. transp. 41 no. 9 23 S '63.

SERVOMECHANISMS

New method for realizing feedback in a servosystem by the second derivative with respect to the time of the angle of rotation of the tracking axis [with summary in English]. V. S. Nedachi, V. V. Shervashidze. Avtomatika 8 no. 4 11-16 '63.

SETS, THEORY OF see Aggregates

SEVAN LAKE REGION—COBALT

Nickel and cobalt potentials of ultrabasic intrusive rocks on the northeastern coast of Lake Sevan. S. B. Abovian. Zap. Arm. otd. Vses. min. ob-va no. 2 81-87 '63.

SEVAN LAKE REGION—NICKEL ORES

Nickel and cobalt potentials of ultrabasic intrusive rocks on the northeastern coast of Lake Sevan. S. B. Abovian. Zap. Arm. otd. Vses. min. ob-va no. 2 81-87 '63.

SEVAST'IANOV, IVAN VASIL'EVICH, 1920-

Mikhailova, A. A. Ivan Vasil'evich Sevast'ianov. Leningrad, Khudozhnik RSFSR, 1962. 55 p. (Teatral'nye khudozhniki RSFSR)
(MH)

SEVASTOPOL—SIEGE, 1942

In Icmeged Sevastopol. L. Vysokoostrovskii. Sov. pech. no. 10 40-41 O '63.

[Akovleva, T. I., N. V. Shebek, and S. M. Voitenko. [Sapun-gora; a guide through the reservation] Sapun-gora, putevoditel' po zapovedniku. Simferopol', Krymizdat, 1963. 86 p.

Zhilitlov, E. I. [We held Sevastopol] My otstaivali Sevastopol'. Izd. 2., ispr. i dop. Moskva, Voenizdat, 1963. 254 p. (Vuennye memuary)

SEVASTOPOL—WORLD WAR, 1939-1945—MUSEUMS

[Akovleva, T. I., N. V. Shebek, and S. M. Voitenko. [Sapun-gora, a guide through the reservation] Sapun-gora, putevoditel' po zapovedniku. Simferopol', Krymizdat, 1963. 86 p.

SEVASTOPOL, BATTLE OF, 1944

[Akovleva, T. I., N. V. Shebek, and S. M. Voitenko. [Sapun-gora, a guide through the reservation] Sapun-gora; putevoditel' po zapovedniku. Simferopol', Krymizdat, 1963. 86 p.

SEVEROURAL'SK REGION—MINE HOISTING—EQUIPMENT AND SUPPLIES

Tower headframes with multirope machines for Severoural'sk bauxite mines. V. V. Deviatkin, A. I. Merkulov. Gor. zhur. no. 9 32-35 S '63.

SEVEROURAL'SK REGION—PENTAMERIDAE, FOSSIL

Paleontological classification in S. M. Andronov's work "Some representatives of the Devonian family Pentameridae from the surroundings of Severoural'sk." A. N.

Designing of crank and rocker mechanisms for the thread feeders of sewing machines. A. I. Komissarov. Izv. vys. ucheb. zav., tekh. leg. prom. no. 2 168-178 '63.

SEWING MACHINES—TESTING

Study of the heating of a sewing machine needle depending on its shape. G. V. Gamulin. Izv. vys. ucheb. zav., tekh. leg. prom. no. 1 140-141 '63.

SEX—CAUSE AND DETERMINATION

Sex determination in amphibians [with summary in English]. D. N. Rott. Biul. MOIP Otd. biol. 68 no. 1 128-133 Ja-F '63.

SEX HORMONES see Hormones, Sex

SEX IN PLANTS see Plants, Sex in

SHAARTUZ DISTRICT—COOPERATIVE SOCIETIES

Public property should be under lock and key. A. Gafurzhanov. Sov. potrebkoop. 7 no. 7 5 Jl '63.

SHABALIN, ALEKSANDR OSIPOVICH

Shabalin's style. Voen. znan. 39 no. 9 12 S '63.

SHAFT SINKING
(see also subdivision under Karaganda Basin; Krivoy Rog Basin, Pechora Basin)

Shaft sinking by means of lowering the water level. K. G. Kassimov. Shakht. stroi. 7 no. 10 26-30 O '63.

SHAFT SINKING—EQUIPMENT AND SUPPLIES
(see also subdivision under Germany, West, Idaho)

Assembling a mine headframe at the side of a shaft and then moving it into place. A. M. Gut. Shakht. stroi. 7 no. 7 19-21 Jl '63.

The KPSh-2 unit for sinking shaft necks. M. N. Iuzhakov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9 17-18 '63.

SHAFTING

Overheating of radial packings of rotating shafts. V. T. Vasilenko. Izv. vys. uchcb. zav., av. tekh. 6 no. 3 51-56 '63.

SHAFTING—VIBRATIONS

Effect of controlling the pitch of a propeller on torsional vibrations in marine diesel engine shafts. V. Z. Karas'. Sudostroenie 29 no. 8 39-43 Ag '63.

SHAKHBAZIAN, STEPAN, 1883-1923

Stepan Shakhbazian [in Armenian with summary in Russian]. R. G. Abachatrian. Ist.-filol. zhur. no. 2 41-56 '63.

SHAKHRISTAN DEPRESSION—WATER RESOURCES DEVELOPMENT

Possibility of obtaining additional water resources in the Shakhristan Depression deep horizons. K. G. Ganiev. Uzb. geol. zhur. 7 no. 4 83-86 '63.

SHAKHTY DISTRICT—LABOR COURTS

Why doesn't the executive committee of our district show concern for fellow workers' courts? A. Kuvylin. Sov. iust. no. 16 17 Ag '63.

SHAMUILOV, BORIS NATANOVICH, 1880?-1962

Obituaries. Vest. derm. i ven. 37 no. 1 93-94 Ja '63.

SHAW, GEORGE BERNARD, 1856-1950

"Heartbreak house" and Shaw's crisis of Fabianism. L. B. Kantorovich. Uch. zap. Perm. gos. un. 23 no. 2, 26-39 '62.

SHCHELYKOVO—MOTION-PICTURE AUDIENCES

Shagalova speaks in a deep voice. S. Rozov. Isk. kino 33 no. 8 114-115 '63.

SHCHERBAKOV, VASILII KUZ'MICH, 1903-

V. K. Shcherbakov; on his 60th birthday and 35th anniversary of his educational work. M. V. Kostenko and others. Elektrichestvo no. 8 93-94 Ag '63.

SHCHERBAKOVITE

...the crystallography of minerals in the ...cherbakovite series. T. A. IAkovlevskaia, ... Dokl. AN SSSR 151 no. 6 1413-1415 Ag ...

...IANN CHRISTOPH FRIEDRICH, VON,

...nification of Schiller's "Wallenstein." ...va. Uch. zap. Perm. gos. un. 23 no. 2 ...

...NICS)

...the problem of the bulging of an infinite ...ing. V. G. Tret'iak. Izv. vys. ucheb. zav., ... no. 3 51-53 '63.

...ition in a shear line field. E. M. Makushok. ... 7 no. 8 531-533 Ag '63.

...EMICAL INDUSTRIES

...ary of the Shebekino Chemical Combine. ...ov. Masl.-zhir. prom. 29 no. 9 39-42

SHEBELINKA REGION—GAS, NATURAL

Geological conditions governing the formation of Shebelinka gas field. I. S. Romanovich. Geol. ... 7 no. 8 21-30 Ag '63.

SHEEP see subdivision under Georgia, Kazakhstan, Mangistauskiy District, Ust'Urt

SHEEP—DISEASES AND PESTS

A case of sheep poisoning on Solonchak soils. P. ... Gutsalov. Veterinariia 39 no. 9 58 S '62.

Causes of the birth of abnormal, dead and weak lambs. K. M. Kurnosov. Veterinariia 39 no. 1 ... N '62.

Disturbance of the urine-secreting function of the sheep in different pathological states of the ... B. K. Pitskhelauri. Shor., trud. Gruz. zoovet. ... nauch.-issl. inst. 12:163-180 '61.

SHEEP—ECONOMIC ASPECTS see subdivision ... Kazakhstan

SHEEP BREEDING

Improving the Caucasian sheep. N. V. Lemeshev. Zhiv. otnovodstvo 24 no. 5:61-66 My '62.

SHEET-METAL WORK

Semiautomatic stamping line at the Gorkii Auto Plant. K. M. Spiridonova, G. N. Sergeev. Tekh. i nauch.-ekon. inform. GOSNIITI no. 3 102-106 '63.

Malov, A. N. [Technology of cold stamping] Tekhnologiia kholodnoi shtampovki. Izd. 3., pererab. Moskva, Gos. izd., 1963. 563 p.

SHESTALOV, IUVAN N.

A word about those born in the 20th century. Ist. Petrov. Mol. komm. no. 6:123-128 Je '63.

SHEVCHENKO, TARAS, 1814-1861

Naukove tovarystvo imeni Shevchenka. [In memory of Taras Shevchenko on the centenary of his death] (U stolittia smerty Tarasa Shevchenka, dopovidi ... delphia, Naktadom Osrodku pratsi Naukovoho t-va im. Shevchenka, 1962. 77 p. (Bibliotek... znavstva, no. 9) [In English and Ukrainian]
(MH)

Vladych, L. V. ["Picturesque Ukraine" by Taras Shevchenko] "Zhivopysna Ukraina" Tarasa Shevchenka. Kyiv, Mystetstvo, 1963. 124 p.

Study of Shevchenko at a new stage. M. Farbar. Vop. lit. 7 no. 8 193-209 Ag '63.

T. Shevchenko tradition in the work of A. Dovzhenko. V. V. Pashchenko. Rad. lit. 7 no. 5:130-... S '63.

Hnatiuk, M. F. [T. H. Shevchenko's poem "Haidamaky." Poema T. H. Shevchenka "Haidamaky." Kyiv, Derzh. vydav. Ukrainy, 1963. 171 p.

Kiasyts'kyi, D. F. [Taras' country] Tarasova ... Kyiv, Molod', 1962. 80 p.
(MH)

The 12th Conference on T. H. Shevchenko. Mat. po ... lit. 7 no. 3:157-158 My-Je '63.

Unfading traditions. IE. S. Shabliovs'kyi. Rad. lit. ... no. 4:140-142 Jl-Ag '63.

SHEVCHENKO, TARAS, 1814-1861—BIBLIOGRAPHY
see Bibliography—Shevchenko, Taras, 1814-1861

SHEVCHENKO, TARAS, 1814-1861—TRANSLATIONS—CZECH

"Taras Shevchenko among the Czechs and Slovaks" Mykhailo Mol'nar. Reviewed by Irena Subota. Rad. lit. 7 no. 4:147-149 Jl-Ag '63.

SHEVCHENKO, TARAS, 1814-1861—TRANSLATIONS—SLOVAK

"Taras Shevchenko among the Czechs and Slovaks" Mykhailo Mol'nar. Reviewed by Irena Subota. Rad. lit. 7 no. 4 147-149 Jl-Ag '63.

SHEVIAKOV, LEV DMITRIEVICH, 1869-1963

Lev Dmitrievich Sheviakov. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no. 4:1-2 Jl-Ag '63.

SHIELDING (RADIATION)

Calculating the passage of neutrons through a plane ethylene layer. S. M. Ermakov, V. G. Zolotukhin, P. Petrov. Atom. energ. 15 no. 3 253-255 S '63.

SHIGELLA

Antigenic connections in Shigella and Salmonella. I. Use of sound-treated antigens for a study of the ... connections in the family of intestinal bacteria. I. ... Pers. Zhur. mikrobiol., epid. i immun. 40 no. ... '63.

Comparative study of the antigenic and immunogenic properties of atypical and typical dysenteric bacilli. Report No. 2. M. L. Kuz'minova. Trudy Tashkentsk... 8:72-76 '62.

Directed change in the properties of dysentery (Flexner and f types) and intestinal bacteria within the body of a rabbit. A. A. Abidov. Trudy Tashkentsk... 5:85 '62.

Evaluation of the virulence and immunogenicity of Shigella and Shigella vaccine strains by determining the median dose (50%). E. N. Melikova, I. G. Vasil'... Zhur. mikrobiol., epid. i immun. 40 no. 1 92-98 ...

SHIGELLA (Continued)

Specific serovariants of the dysentery bacillus Shigella [illegible] M. E. Lapkin. Zhur. mikrobiol., epidem. i immun. 40 no. 1:48-51 '63.

Specific bacterial keratoconjunctivitis. A. A. Abidov. Trudy TashNIIVS 5:77-86 '62.

Sensitization in Flexner's (types c and f) dysenteric bacteria under the influence of extracts prepared from the contents of the large intestine of patients with acute dysentery. A. A. Abidov. Trudy TashNIIVS 5:91-100 '62.

SHIMANKO, ISAAK IL'ICH, 1886?-1962

Obituaries. Vest. derm. i ven. 37 no. 1:93-94 Ja '63.

SHIP MODELS—RADIO CONTROL

Veselovskii, A. I., and Katin, L. N. [Radio-controlled ship models] Radioupravliaemaia model' korablia. Moskva, Izd-vo DOSAAF, 1963. 80 p.

SHIP MODELS—TESTING

[illegible] Pavlenko on the experimental shipbuilding [illegible] L. V. Gius. Sudostroenie 29 no. 8:16-19 Ag '63.

Calculating the rolling of ships using the nomograms of a series of model experiments. V. V. Lugovskii, Iu. N. Feddeev. Sudostroenie 29 no. 8:26-30 Ag '63.

SHIP PROPULSION

Device to determine the momentum of a ship. N. Solarev. Rech. transp. 22 no. 9:31-32 S '63.

SHIP PROPULSION, ELECTRIC

Using magnetic amplifiers in automatic control systems of electric propeller drives. B. N. Oreanov, E. B. Aizenshtok, B. A. Trofimov. Sudostroenie 29 no. 8:46-49 Ag '63.

SHIP TRIALS

Operational qualities of the motorship "Professor Kel'tsev." N. Komissarov. Rech. transp. 22 no. 9:12-14 S '63.

Investigating properties of the main geared turbine unit and the inherent properties of the steamer "Sergei Botkin." V. M. Golovizmin. Inform. sbor. TSNIIMF no. 41:1-kh, 3 appendices. Morskoi flota no. 2:36-45 '59.

SHIPBUILDING
(see also subdivision under Leningrad; Nikolayev, Ukraine)

Applications in shipbuilding of the All-Union State Standards, GOST 9235-59. A. S. Kiriakumov. Sudostroenie 29 no. 8:61-64 Ag '63.

Fifth Congress of the Scientific Technological Society of the Shipbuilding Industry. Sudostroenie 29 no. 8:77 Ag '63.

Principle for the efficiency of ship repairs in the design of the ships. M. Sisiukin. Mor. flot 23 no. 10:38 O '63.

Akademiia nauk SSSR. Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii. [The shipbuilding industry of capitalist countries] Sudostroitel'naia promyshlennost' kapitalisticheskikh stran. Moskva, Izd-vo Akad. nauk SSSR, 1963. 471 p.

SHIPBUILDING—BIBLIOGRAPHY see Bibliography—Shipbuilding

SHIPBUILDING—PERIODICALS

Stand for the readers of our journal. Sudostroenie 29 no. 8:78 Ag '63.

SHIPBUILDING—TECHNOLOGICAL INNOVATIONS

Conducting in 1963 an All-Union inspection on the carrying out of plans for scientific research and introducing the achievements in science and technology into the national economy. Sudostroenie 29 no. 8:77 Ag '63.

SHIPPING—ABSTRACTS

[Water transportation] Ref. zhur.: Vod. transp. no. 10 O '63.

SHIPPING—CONGRESSES

International maritime conventions. Mor. flot 23 no. 10:39 O '63.

SHIPS

Basic problems of socialist property rights on seagoing vessels in the U. S. S. R. A. L. Kolodkin. Inform. sbor. TSNIIMF no. 58. Mor. pravo i prak. no. 12:3-12 '61.

SHIPS—FIRES AND FIRE PREVENTION

Duel in the hold. L. Kakushkin. Pozh. delo 9 no. 7:19 Jl '63.

From the practice of the Bureau of Average Adjusters attached to the All-Union Board of Trade. R. R. Oberg. Inform. sbor. TSNIIMF no. 67. Mor. pravo i prak. no. 11:65-71 '61.

Know ship firefighting tactics. V. Kritskii. Mor. flot 23 no. 10:27-28 O '63.

SHIPS—HYDRODYNAMICS

Calculating the rolling of ships using the nomograms of a series of model experiments. V. V. Lugovskii, Iu. N. Feddeev. Sudostroenie 29 no. 8:26-30 Ag '63.

Stabilization of ships on rough seas. A. N. Shmyrev. Mor. sbor. 46 no. 8:74-78 Ag '63.

SHIPS—MAINTENANCE AND REPAIR
(see also subdivision under Khabarovsk)

Improve efficiency conditions for the repair of marine systems and mechanisms. Iu. Mitrushkin. Mor. flot 23 no. 10:35-37 O '63.

Improve the maintenance of the fleet. V. Trofimov. Rech. transp. 22 no. 8:28-29 Ag '63.

Improve the planning and accounting of operations in Repair and Maintenance Bases. F. Kabalnik. Rech. transp. 22 no. 8:21-24 Ag '63.

Maintenance of the motorship "Mamadysh." N. Vakulov, A. Sergeev. Rech. transp. 22 no. 8:40 Ag '63.

Prepare for the winter overhaul in an exemplary manner. K. Naidenko. Rech. transp. 22 no. 8:3-4 Ag '63.

Provide for the efficiency of ship repairs in the design of the ships. M. Sisiukin. Mor. flot 23 no. 10:38 O '63.

SHIPS—NATIONALITY

Nationality of seagoing vessels in international law. Remigiusz Zaorski. Inform. sbor. TSNIIMF no. 72 Mor. pravo i prak. no. 16:18-24 '62.

SHIPS—WELDING

Application of butt welds on a permanent steel padding. G. A. Belichuk. Sudostroenie 29 no. 8:52-54 Ag '63.

SHKAPOVO REGION—PETROLEUM PRODUCTION

Development of the layer D_1 in the Shkapovo oil field. S. O. Akoplan and others. Neftepromysl. delo no. 6:4-8 '63.

SHNAIDER, IULIIA IULIIVNA, 1860-1947

Knysh, Ilona. [Three contemporaries, 1860-1960, on the centenary of the birth of Uliana Kravchenko, Mariia Bashkirtseva, and Marika Zan'kovets'ka] Try tovarystvi, 1860-1960, do storichchia narodyn Uliany Kravchenko, Marii Bashkirtsev, Marii Zan'kovets'koi. [Winnipeg, National Publishers, 1960?] 320 p. illus. [With summary in English]
(MiD) (InU)

SHOCK

Significance of changes in cerebral blood circulation in the development of disorders in nervous activity during a traumatic shock [with summary in English]. V. K. Kulagin. Pat. fiziol. i eksp. terap. 7 no. 2:26-30 Mr-Ap '63.

Technique of administration of aid and treatment in crush injuries of both shins and severe shock. I. P. Pan'kina. Ortop., travm. i protez. no. 1:62-64 '63.

SHOCK ABSORBERS

Elements in the theory of the operation of a spring-mounted hydraulic shock-absorbing apparatus in the capacity of a shock absorber for the automatic coupling of a mine car. M. N. Popov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 8:90-93 '63.

Shock absorber of a new design. V. I. Bulatov. Put' i put. khoz. 7 no. 9:38 '63.

SHOCK WAVES

Theory of waves moving in nonstationary media. L. A. Ostrovskii. Prikl. mat. i mekh. 27 no. 5:921-929 S-O '63.

SHOE INDUSTRY
(see also subdivision under Virgin Territory)

Exchange of experience among shoe factories. V. V. Klichevskaia. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:78-79 '63.

SHOE MACHINERY

Bellless drive for the IUP machine for milling sole curtailments. A. IAshcheva. Za indus. Riaz. no. 2:59-60 D '61.

SHOE MANUFACTURE

Foot deformation in the metatarsus-phalanx joint during the raising of the heel. A. N. Kalita, T. S. Kochetkova, Iu. P. Zybin. Izv. vys. ucheb. zav., tekh. leg. prom. no. 2:75-82 '63.

Method for evaluating efficiency in the utilization of sole leather. S. I. Kul'chitskii. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:67-74 '63.

SHOLOKHOVSKIY—SOCIAL GROUP WORK

One evening. P. Koveshnikov. Sov. deput. trud. no. 9:78-80 S '63.

SHOOTING

Reliable help to the trainer. I. Rabinovich. Voen. znan. 39 no. 9:38 S '63.

SHOOTING, MILITARY

Consultation on shooting. Voen. vest. 43 no. 9:76-77 S '63.

Russia (1923- U.S.S.R.) Ministerstvo oborony. [Manual on musketry, light antitank grenade thrower] Nastavlenie po strelkovomu delu; ruchnoi protivotankovyi granatomet (RPG-2). Izd. 2., ispr. i dop. Moskva, Voenizdat, 1961. 96 p.

Russia (1923- U.S.S.R.) Ministerstvo oborony. [Manual on musketry, 7.62-mm Degtiarev light machine gun] Nastavlenie po strelkovomu delu, 7,62-mm ruchnoi pulemet Degtiareva (RPD). Izd. 2., ispr. i dop. Moskva, Voenizdat, 1961. 152 p.

Shooting in an inhabited locality. N. Zatsarinnyi. Voen. vest. 43 no. 9:104-106 S '63.

SHOOTING CONTESTS

At a judges' seminar. E. Khotimskii, V. Ilushin. Voen. znan. 39 no. 9:28 S '63.

SHORE PROTECTION

At the borders of Neptun's kingdom. V. Bolshakov. Nauka i zhizn' 30 no. 5:51 My '63.

SHOULDER JOINT—DISLOCATION

Habitual subluxation of the shoulder. Iu. M. Sverdlov, A. A. Arenberg, R. E. Zhitnitskii. Ortop., travm. i protez. 24 no. 2:68-71 F '63.

Posterior dislocation of the shoulder combined with fracture of the anatomical neck in electrical trauma. L. T. Shkurenko. Ortop., travm. i protez. no. 1:65-67 '63.

SHOULDER JOINT—WOUNDS AND INJURIES

Treatment of lesions of the shoulder joint. I. L. Krupko. Ortop., travm. i protez. no. 1:3-10 '63.

SHOVELS

A useful improvement. A. P. Lavrent'ev. Les. khoz. 16 no. 3:60 Mr '63.

SHPAKOVSKIY DISTRICT—COOPERATIVE SOCIETIES

Activists prevent shortcomings. A. Manchenko. Sov. potrebkoop. 7 no. 9:14 S '63.

SHREWS see subdivision under Oka Valley

SIBERIA

Tale about the land of Siberia. A. Nikanorov. Kul't. i zhizn' 7 no. 8:40-41 '63.

SIBERIA—AFFORESTATION

"Artificial afforestation in Siberia" by V. V. Ogievskii. Reviewed by G. P. Sannikov. Les. khoz. 16 no. 3:89 Mr '63.

SIBERIA—BOOTS AND SHOES

Types of footwear of the peoples of Siberia. G. M. Vasilevich. Sbor. Muz. antr. i etn. 21 3-64 '63.

SIBERIA—COAL

Interrelation of petrographic ingredients and germanium in Siberian coals. S. N. Riabchenko, V. I. Alekhina, D. M. Litsin. Izv. Sib. otd. AN SSSR no. 2:122-124 '62.

SIBERIA—CONSTRUCTION INDUSTRY—INDUSTRIAL CAPACITY

Influence of organizational and technological factors on the capacity of housing construction combines. V. Pushkarev, D. Odintsov. Ekon. stroi. no. 9:47-49 S '63.

SIBERIA—DANALITE

Danalite from the deposit of the cassorite-quartz-sulfide formation in Siberia. E. I. Dolomanova, V. A. Moleva. Trudy Min. muz. no. 14:215-218 '63.

SIBERIA—DESCRIPTION AND TRAVEL

Sayan notes (to be continued). Boris Polevoi. Znamia 33 no. 9:99-129 S '63.

SIBERIA—DISCOVERY AND EXPLORATION

Obruchev, V. A. [My journeys through Siberia] Moi puteshestviia po Sibiri. Moskva, Izd-vo Akad. nauk SSSR, 1963. 287 p.

SIBERIA—ELECTRIC POWER PLANTS

Conference on the electrification of Siberia and the development and unification of its power systems. Iu. P. Grachev. Izv. Sib. otd. AN SSSR no. 2:131-132 '62.

SIBERIA—ELECTRIFICATION

Conference on the electrification of Siberia and the development and unification of its power systems. Iu. P. Grachev. Izv. Sib. otd. AN SSSR no. 2:131-132 '62.

SIBERIA—EXTINCT ANIMALS

Riddle of life. Znan. ta pratsia no. 3:30 Mr '63.

SIBERIA—FORESTRY RESEARCH

Solve in a comprehensive way the problems of wood technology. A. I. Larionov. Les. prom. 40 no. 3:26-27 Mr '62.

SIBERIA—FORESTS AND FORESTRY

Books written by Siberian authors. Les. khoz. 16 no. 7:91-92 Jl '63.

SIBERIA—GEOLOGY

Progress of the geological study of Siberia during the last 50 years and some current problems relative to further studies. V. A. Obruchev. Och. po ist. geol. znan. no. 12:100-115 '63.

Study of the geology of Siberia during the post-Obruchev period. M. S. Nagibina. Och. po ist. geol. znan. no. 12:116-123 '63.

SIBERIA—GEOLOGY, STRUCTURAL

Results of the tectonic regionalization and classification of basic Post-Triassic structures in Siberia and the Far East (with summary in English). K. V. Bogolepov. Geol. i geofiz. no. 4:64-76 '63.

SIBERIA—GRAIN—VARIETIES

Developing varieties of spring crops by directed conditioning. G. P. Vysokos. Vest. sel'khoz. nauki 8 no. 3:53-56 Mr '63.

SIBERIA—HYDROELECTRIC POWER STATIONS

Sayan power (to be continued) Boris Pole.ol. Znamia 33 no.9 92-129 S '63.

SIBERIA—JOURNALISM

The day letters [about] the North V. Murav'ev Sov. pech. no.7 40-43 Jl '63

SIBERIA—LARCH

Cultures of Siberian larch on turfy-podzolic soils. V.N. Gabeev. Iz. Sib. otd. AN SSSR no.3 105-109 '62

SIBERIA—MOTOR VEHICLES—MAINTENANCE AND REPAIR

Some economic problems in the repair of motor vehicles in Siberia and the Far East G. Zakharov Avt. transp. 41 no.10 26-27 O '63.

SIBERIA—PEGMATITES

Association of ilmenorutile with monazite in the pegmatites of Siberia. V.A. Kornetova. Trudy Min. muz. no.14 96-107 '63

New variety of aeschynite with a high tantalum content from granite pegmatites of Siberia V.A. Kornetova, V.B. Alekandrov, M.E. Kazakova Trudy Min. muz no.14 108-121 '63.

SIBERIA—PLANTS, PROTECTION OF

Planovo-metodicheskoe soveshchanie po zashchite rastenii zony Urala i Sibiri, Novosibirsk, 1960. [Conference on the planning and methods of plant protection in the Ural Mountain and Siberian zones] Materialy. [Novosibirsk] Novosibirskoe knizhnoe izd-vo,

[Pt. 1.] 1961. 179 p.

[DNAL MICROFILM]

SIBERIA—RAILROADS—TRACK

Continuous rail tracks make their appearance in Siberia. Put' i put. khoz. 7 no.9 33 '63.

SIBERIA—RASPBERRY BREEDING

Obtaining economically valuable raspberry hybrids by the method of remote hybridization. I.M. Petrakhliev Vest. sel'khoz. nauki 8 no.3 141-143 Mr '63.

SIBERIA—VETERINARY MEDICINE

Veterinary medicine in Siberia during the first years of Soviet rule A.N. Sikorskii Veterinariia 39 no.11 80-82 N '62

SIBERIA—WHEAT

Observations on winter wheat sown in winter. V.P. Maksimenko Vest sel'khoz nauki 8 no.3 56-57 Mr '63

SIBERIA—WHEAT—CLEANING

A seed separator is necessary. M. Karsaev. Tekh. v sel'khoz. 23 no.3 78 Mr '63.

SIBERIA—WHEAT—VARIETIES

Transforming the heredity of wheat by directed conditioning. S.T. Bogomiagkov. Vest. sel'khoz. nauki 8 no.3:65-66 Mr '63

SIBERIA—WOOD RESEARCH

Solve in a comprehensive way the problems of wood technology. A.I. Larionov. Les. prom 40 no.3:26-27 Mr '63.

SIBERIA, EASTERN—COOPERATIVE SOCIETIES

Encounter with history. E. Kanevskii. Sov. potreb. koop. 7 no.7 58-59 Jl '63.

SIBERIA, EASTERN—CORALS, FOSSIL

Sokolov, B.S., and Iu.I. Tesakov. [Paleozoic Tabulata in Siberia; Ordovician and Silurian Tabulata in the eastern part of Siberia] Tabulaty paleozoia Sibiri; tabulaty ordovika i silura vostochnoi chasti Sibiri. Moskva, Izd-vo Akad. nauk SSSR, 1963. 188 p. illus.

SIBERIA, EASTERN—ECONOMIC GEOGRAPHY

[Eastern Siberia; economic geography] Vostochnaia *Sibir', ekonomiko-geograficheskaia kharakteristika.* Moskva, Geografizdat, 1963. 885 p

SIBERIA, EASTERN—GRANITE—MAGNETIC PROPERTIES

Data on the magnetic stability of granitoid rocks in the northeast. D.M. Pecherskii. Geol. i geofiz. no.4 3-23 '63.

SIBERIA, EASTERN—INSECT TRAPS

New models of traps for horseflies and black flies [with *summary in English]* V.V. Vladimorova, A.A. Potapov. Med. paraz. i paraz. bol. 32 no.1 83-87 Ja-F '63.

SIBERIA, EASTERN—INSECTS, INJURIOUS AND BENEFICIAL—CONTROL

New models of traps for horseflies and black flies [with summary in English]. V.V. Vladimorova, A.A. Potapov. Med. paraz. i paraz. bol. 32 no.1 83-87 Ja-F '63.

SIBERIA, EASTERN—MILLET

Shortened daylight periods in growing foxtail millet as a method for developing early ripening varieties. P.L. Goncharov. Vest. sel'khoz. nauki 8 no.3:113-115 Mr '63.

SIBERIA, EASTERN—PROSPECTING—GEOPHYSICAL METHODS

Limiting the effect of seasonality on geophysical prospecting in western Siberia. V.E. Tishchenko Izv. vys. ucheb. zav., neft' i gaz 4 no.3 119-123 '61.

SIBERIA, WESTERN—ARCHAEOCYATHIDAE

Early forms of archaeocyathids. K.V. Radugin, Mat. po geol. Zap. Sib. no.63:7-10 '62.

Szecyathus Vol. and Lucyathus Vol. genera A.S. Bolatinov. Mat. po geol. Zap. Sib no.63 14-15 '62.

SIBERIA, WESTERN—BOTANY

Krylov, P.N. [Flora of Western Siberia; a manual for the identification of West Siberian plants] Flora Zapadnoi Sibiri rukovodstvo k opredeleniiu zapadno-sibirskikh rastenii Tomsk, Izd-vo Tomskogo univ

Vol 12 [(Supplement)] (Dopolnitel'nyi)

Pt.1 Sost L.P. Sergievskaia 1961 [3071] - 3255

SIBERIA, WESTERN—BRACHIOPODA, FOSSIL

Cambrian brachiopods of Western Siberia. N.A. Akeatina Mat. po geol. Zap. Sib. no.63:66-70 '62

SIBERIA, WESTERN—DIATOMS

A new species of the genus Melosira Ag. from Western Siberia. A.P. Shpichevskii. Bot. mat. Otd. spor. rast. 16:32-35 '63.

SIBERIA, WESTERN—FROZEN GROUND

Installation of pile foundations in winter. A. Obolonin. Zhil. stroi. no.6 28-29 '63.

SIBERIA, WESTERN—HYDATIDS

Experimental study of alveococcosis (alveolar echinococcosis) in man [with summary in English] N.P. Lukashenko. Med. parazi. i paraz. bol 32 no.1.101-108 Ja-F '63.

SIBERIA, WESTERN—LANDFORMS

Genesis of marginal formations and the glacial relief in the northwestern part of Western Siberia. S.A. Strelkov. Trudy Kom. chetv. per 21 118-125 '63.

SIBERIA, WESTERN—MILIOLIDAE, FOSSIL

New representatives of Miliolidae from Upper Jurassic and Lower Cretaceous sediments in Western Siberia. F.S. Putria. Geol. i geofiz. no.4 100-108 '63.

SIBERIA, WESTERN—MORAINES

Genesis of marginal formations and the glacial relief in the northeastern part of Western Siberia S.A. Strelkov. Trudy Kom. chetv. per. 21 118-125 '63.

SIBERIA, WESTERN—POTAMOGETONACEAE, FOSSIL

Some new species of the genus Potamogeton L. V.P. Nikitin. Mat. po geol. Zap. Sib no.63 208-216 '62.

SIBERIA, WESTERN—SOILS

"Dzharyk" soils. N.N. Bolyshev. Pochvovedenie no.9: *39-48 Ag[illegible] S] '63.*

SIBERIA, WESTERN—SUNFLOWER SEED

Preliminary drying of sunflower seeds on growing plants in Siberia. M.E. Pedenko. Zemledelie 26 no.8 84-85 Ag '63.

SIBERIA, WESTERN—TILLAGE

Performance of bog rototillers and ways for their improvement. V.P. Romanenko. Trakt. i sel'khozmash. 33 no.4:34-35 Ap '63.

SIBERIA, WESTERN—WATER, UNDERGROUND—THERMAL PROPERTIES

Thermal waters of the West Siberian artesian basin and their practical use. G.P. Bogomiakov, V.A. Nudner. Razved. i okh. nedr 29 no.9:45-49 S '63.

SIBERIAN PLATFORM—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Silurian sediments in the Siberian Platform. S.P. Mikutskiy, V.U. Petrakov. Mat po geol. Zap. Sib. no.63:94-102 '62.

SICILY—MAFIA

An operation against the Mafia. I. Trofimova. Nov. vrem. 21 no.38:20-21 S '63.

SIERRA LEONE—LABOR AND LABORING CLASSES

Working and living conditions of African workers [with English summary in insert]. L. Elenin. Az. i Afr. seg. *no.10 26-28 O '63.*

SIGHT SINGING

Baraboshkina, A.V. [Method for teaching solfeggio in children's music schools] Metodika *prepodavaniia* sol'fedzhio v detskoi muzykal'noi shkole. Pod red. L.N. Raabena Leningrad, Muzgiz, 1963. 41 p. (V pomoshch' pedagogu muzykanty)

SIGNALS AND SIGNALING

Good method for field training of signalmen. V. Tolstyi. Voen. vest. 42 no.11:94-95 N '62.

SIKHOTE-ALIN' RANGE—VOLCANOES

Hawaiian type Neogene Volcano in the Sikhote-Alin' Range. V.G. Plakhotnik. Biul. Vulk. sta. no.34:46-50 '63.

SIKKIM—PRINCESS'S

Love by order of the [illegible] no.10,58 O '61.

SILANE

Effect of sulfuric acid on the [illegible] trimethylchlorosilane and [illegible] A.G. Ivanetsova, V.I. Ivanov [illegible] 21 '63.

Reaction mechanism under [illegible] dichlorosilanes. V.A. Gorin [illegible] SSSR 151 no.6 1329-1331 [illegible]

Zonal melting and control of [illegible] dimethyldichlorosilane. [illegible] Plast. massy no.10 [illegible]

SILICA

Chromatography of heavy [illegible] Dushina, V.B. Alekovskii. [illegible] 2194-2197 S '63.

SILICATES

Determination of ultramicro [illegible] dium, and thorium [illegible] from the same batch. [illegible] Z.N. Simoniak. Radiokhimiia [illegible]

Methods of raising the [illegible] treated materials. [illegible] mat. 9 no.9:10-1[illegible] '63.

Silicate materials from [illegible] tov, N.D. Klochkov, [illegible]

Silicate products for rural [illegible] Stroi. mat. 9 no.9 18-[illegible]

Dabushkin, V.I., and O.P. Mchedlov-Petrosian. [Determination of silicate water-resistant products] [illegible] Izdeliia Kiev, Gosudarstvennyi [illegible]

SILICATES—ABSORPTION AND [illegible]

Study of the metamict [illegible] infrared spectroscopy. M.V. Ab[illegible] Trudy Min. muz. no.[illegible]

SILICON

Silicon reduction from [illegible] in English]. V.I. Lovyagin, [illegible] AN URSR no.8:1019-1021 '63.

Silicon reduction in an [illegible] Dashov. Izv. AN SSSR, Otd. [illegible] no.4:54-58 Jl-Ag '63.

SILICON—TESTING

Anisotropy of the microhardness [illegible] lova, V.M. Rybak. [illegible] S '63.

SILICON-ALUMINUM ALLOYS [illegible] Al alloys

SILICON COMPOUNDS

Synthesis of some fluoroorganic [illegible] K.M. Berdichevskaia, V.[illegible] Dokl. AN SSSR 151 no.[illegible]

SILICON ORGANIC COMPOUNDS

Atoms close the ranks. [illegible] no.15:26 Ag '63.

Heat-resistant glass textolite [illegible] A.M. Chernikova. Plast. mass. [illegible]

SILK MANUFACTURE

(see also subdivision under [illegible])

Chernyi, M.D. [Reeling and [illegible] nie i shelkoki uchenie. Pod red. [illegible] skva, Gizlegprom, 1963. 519 p.

SILKWORMS see subdivision under [illegible]

SILKWORMS—DISEASES AND PESTS

Variability of the form of nuclear [illegible] worm Bombyx mori L. as a [illegible] ment [with summary in English]. [illegible] Dop. AN URSR no.9:1110-1113 [illegible]

SILOXANES

Radiation vulcanization of heteros[illegible] Averl'ianov and others. [illegible] '63.

Synthesis of polyalkyl siloxanes. M.[illegible] Zhinkin, M.V. Sobolevskii. Plast. [illegible] '63.

SILUMIN—METALLOGRAPHY

Mechanism of the formation of [illegible] structure of silumin. I.A. [illegible] 8 no.9:2128-2131 S '63.

SILVER

Antibacterial properties of silver-[illegible] by means of an ionizer. S.S. [illegible] nok, E.P. Podrushniak. Vrach. delo [illegible] '63.

SILVER CATALYSTS

Catalytic activity of silver obtained [illegible] decomposition of silver oxalate. [illegible] Braniteskii. Dokl. AN BSSR 7 [illegible]

SILVER HALIDES

Reciprocal system consisting of chlorides and bromides of lithium and silver. A. G. Bergman, A. S. Arabadzhan Zhur. neorg. khim. 8 no. 9:2148-2150 S '63

SILVER OXALATE

Catalytic activity of silver obtained in the photochemical decomposition of silver oxalate V. V. Sviridov, G. A. Brantskii. Dokl. AN BSSR 7 no. 6 387-390 Je '63

SILVER PLATING

Reversal of current during the electrodeposition of silver. R. S. Salfullin. Trudy KKHTI no. 30:259-264 '62.

SILVERSMITHING see subdivision under Jogjakarta, Indonesia

SIMFEROPOL'—CLERKS (RETAIL TRADE)

"Thank you for not forgetting us...." S. Makarov. Sov. profsoiuz. 19 no. 16:16-17 Ag '63.

SIMILITUDE, THEORY OF

Polisar, G. L. [Modeling] Modelirovanie. Moskva, Voenizdat, 1963. 119 p.

SINHALESE POETRY—HISTORY AND CRITICISM

The people's life is the main topic. Z. Matiushina. Az. i Afr. seg. no. 9:48 S '63.

SINTERING
(see also subdivision under Rustavi)

Changes in the mineralogical composition of Kerch sinters depending on its basicity V. P. Kossova, N. E. Komarova. Stal' 23 no. 6:491-493 Je '63

Composition of the ore part of magnetite ore sinters. T. IA. Malysheva, A. D. Rakcheev. Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 2:13-16 Mr-Ap '63.

Effect of the sintering temperature on the mineralogical composition of sinter and its metallurgical properties. V. M. Zudin and others. Stal' 23 no. 6 481-485 Je '63.

Investigating the sintering of metals [with summary in English]. L. N. Poliakov, G. N. Malik. Poroshk. met. 3 no. 4 6-16 Jl-Ag '63.

Partial replacement of coke breeze in the sinter charge by peat coke. S. N. Bogopol'skii and others Stal' 23 no. 9 781-785 S '63.

Use of chalk lime for the intensification of the sintering process. A. V. Rostomberskii, A. I. Soldatkin, N. P. Zaporozhets. Metallurg 8 no. 8:5-6 Ag '63.

SINTERING—EQUIPMENT AND SUPPLIES

Device for continuous evaluation of sinter quality in a sintering machine. A. A. Volkov. Sbor. trud. TSNIICHM no. 30:33-38 '63.

SIPHONS

Some problems of inadequate performance of siphon units in water supply lines. M. M. Bairamov and others. Za tekh. prog. 3 no. 9:35-37, 16 S '63.

SIRISENA, LALITHA, 1920-

The people's life is the main topic. Z. Matiushina. Az. i Afr. seg. no. 9:48 S '63.

SIRIUS—SPECTRA

Quantitative analysis of the atmosphere of Sirius. Part 2. Detailed chemical analysis of the atmosphere [with summary in English]. A. A. Boiarchuk. Izv. Krym. astrofiz. obser. 29:219-238 '63.

SKALON, VASILII MIKOLAEVICH, 1903-

Vasilii Nikolaevich Skalon; on his sixtieth birthday. K. F. Elkin, M. A. Shargaev. Biul. MOIP. Otd. biol. 68 no. 5: 113-114 S-O '63.

SKALOZUBOVA, ANNA NIKOLAEVNA, 1902-

Results of the creative ties of science with production, on A. N. Skalozubova. V. P. Maksimenko. Vest. sel'khoz. nauki 8 no. 3:155-156 Mr '63.

SKIN

Effect of castration on the regenerative and protective function of the skin in animals [with summary in English]. K. A. Kalantaevskaia. Vest. derm. i ven. 37 no. 2 3-6 F '63.

Histogenesis of the skin of sperm whale and fin whale. V. E. Sokolov. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 5:20-24 S-O '63.

Paste for discoloring dyes on the skin. M. I. Khesin, S. M. Melnik, M. S. Kogan. Vest. derm. i ven. 37 no. 2:85-86 F '63.

SKIN—DISEASES
(see also subdivision under Crimea; Leningrad, Kanayskiy District)

Case of Leiner's desquamative erythroderma successfully treated by compound therapy using prednisolone. A. N. Durmin, IU. P. Epshtein. Pediatriia 42 no. 1:81-82 Ja '63.

Clinical aspects and pathogenesis of Gianotti-Crosti syndrome [with summary in English]. L. Botanov, B. Bianov, I. Dimitrova. Vest. derm. i ven. 37 no. 2:14-17 F '63.

Cobalt and nickel in radiation dermatitis. A. T. Sosnovskii, Z. I. Orlova, N. Z. IAgovdik. Vrach. delo no. 9: 155-156 S '63.

Contact allergic dermatitis in men caused by the use of contraceptives. I. E. Andreichuk. Vest. derm. i ven. 37 no. 1:81-82 Ja '63.

Cutaneous respiration in normal conditions and in some skin diseases [with summary in English]. N. A. Pilipgina. Vest. derm. i ven. 37 no. 2:7-11 F '63

Dermatitis caused by poison sumac [with summary in English]. G. A. Sturua. Vest. derm. i ven. 37 no. 2 51-53 F '63.

Dermatitis in workers handling aminazine. P. I. Kholodii. Vrach. delo no. 7:150 Jl '63

Determination of incapacity for work and rational job placement of patients with chronic dermatoses. IU. I. Faer, M. IU. Gol'denberg Vest. derm. i ven. 37 no. 1 70-72 Ja '63.

Duhring's herpetiform dermatitis and its treatment in children [with summary in English]. A. V. Khamaganova, A. A. Androsova. Vest. derm. i ven. 37 no. 2 39-43 F '63.

Etiology and pathogenesis of dermatoses caused by mosquito bites [with summary in English] S. I. Furmanov. Vest. derm. i ven. 37 no. 2:45-48 F '63.

Experience in the use of fraction 2 of the ASD preparation for external treatment. M. G. Lysaia. Vest. derm. i ven. 37 no. 1 81 Ja '63.

Functional state of the liver in some dermatoses following treatment with corticosteroid hormones. R. G. Gabitova. Vest. derm. i ven. 37 no. 2 26-31 F '63.

Influenzal eruptions [with summary in English]. R. G. Akimochkina. Vest. derm. i ven. 37 no. 2 36-38 F '63.

Necrobiosis lipoidica [with summary in English]. A. I. Brezhenko. Vest. derm. i ven. 37 no. 2:17-21 F '63.

Prevention of skin diseases in agricultural workers. K. L. Golshmid. Med. sestra 22 no. 8, 19-23 Ag '63.

Prophylaxis for suppurative skin diseases. M. D Bagnova. Med. sestra 22 no. 8:55-56 Ag '63.

Result of dispensary treatment of patients with recurrent pyodermitis. N. I. Cherotlanko. Vrach delo no. 7, 126 Jl '63.

Subcorneal pustular dermatosis. E. A. Grebenkina Vest. derm. i ven. 37 no. 1, 28-30 Ja '63.

Subcorneal pustular dermatosis (Sneddon-Wilkinson disease) [with summary in English]. V. I. Samtsov. Vest. derm. i ven 37 no. 1 22-26 Ja '63.

Successes of soviet public health service in the control of skin and venereal diseases. A. A. Studnitsin. Med. sestra 22 no. 8 10-13 Ag '63.

Some recent data on the use of vitamins in dermatoses. A. A. Studnitsin, P. E. Maslov. Vest. derm. i ven. 37 no. 2:31-34 F '63.

Use of corticosteroids in infectious dermatoses and venereal diseases; a review. N. A. Ivanov. Vest. derm. i ven. 37 no. 2:56-60 F '63.

Xeroderma pigmentosum. M. G. Gulbis, S. A. Latkovska. Pediatriia 42 no. 1:75-78 Ja '63.

SKIN—TUBERCULOSIS

On the effect of vitamin D_2 on the human sexual function [with summary in English]. L. I. Gokinaeva. Akush. i gin. no. 2, 18-20 '63.

SKIN GRAFTING

Immunotherapy and dermatoplasty in combined burns [with summary in English] M. A. TSukerman and others Pat. fiziol. i eksp. terap 7 no. 1 19-23 Ja-F '63.

SKOPIN—EMPLOYEES, DISMISSAL OF

Readers relate, advise and criticize. Sov. profsoiuz 19 no. 16, 38-39 Ag '63.

SKOPIN—GLASS FACTORIES

At the Skopin Glass Factory. A. Kas'ianov. Za indus. Riaz. no. 2:14-16 D '61.

Innovator N. A. Malikov. I. F. Rotov. Za indus. Riaz. no. 2:53 D '61.

SKOPIN—RAILROADS, INDUSTRIAL—TRACKS

Welding and electric buildup of rails on approaches to industrial enterprises. P. I. Trushin. Za indus. Riaz. no. 2:23 D '61.

SKOVORODA, GRIGORII SAVVICH, 1722-1794

A Ukrainian conference devoted to G. Skovoroda. I. I. Rad. lit. 7 no. 4:163 Jl-Ag '63.

SKRIABIN, KONSTANTIN IVANOVICH, 1878-

Popovskii, M. A. [Swept cobweb] Razorvannaia pautina. Moskva, Izd-vo "Sovetskaia Rossiia," 1963. 131 p. (Gordost' sel'skokhoziaistvennoi nauki)

SKULL—DISEASES

Troell-Junet syndrome. A. P. Kalinin, M. I. Belabolkin. Vrach. delo no. 9:145-147 S '63.

SKULL—FRACTURE

Mechanism of the formation of annular fractures of the bones at the skull base. V. G Koshkalda, A. B. Raukhverger. Sud.-med. ekspert. 6 no. 3:52-53 Jl-S '63.

SLABS

Concerning a mixed problem of the theory of round slabs. N. T. Glazunova. Trudy NPI 130:61-62 '63.

Problem of axisymmetrical bending of slabs. N. T. Glazunova. Trudy NPI 136:39-50 '63.

SLAG

Boundary of the spontaneous slaking of slag in the system $CaO - MgO - Al_2O_3 - SiO_2$. I. I. Gul'tiai, G. A. Sokolov. Izv. AN SSSR Otd. tekh. nauk. Met. i gor. delo no. 4:65-69 Jl-Ag '63.

Depletion of waste slags from shaft furnace smelting of oxidized nickel ores in electric crucibles. I. D. Reznik and others. TSvet. met. 36 no. 9, 32-38 S '63.

Pneumatic apparatus for introducing admixtures into slag melts. IU. M. Bratchenko, V. D Gritsenko. Mekh. stroi. 20 no. 10:27 O '63.

Shrinkage of slag melts I IA. Chernlavskii Lit. proizv. no. 8 24-26 Ag '63.

Slag depletion in tubular rotary furnaces. A. K. Kir'lanov and others. TSvet. met. 36 no. 9:29-32 S '63.

Slag removal during smelting. B. A. Rogulev. Metallurg 8 no. 8 17 Ag '63.

Use open-hearth furnace slags in precast reinforced concrete construction. D. R. Shkatulov. Stroi. mat. 9 no. 9:19-21 S '63.

SLAG—ANALYSIS

Efficient analysis of nickel compounds in waste slags from the smelting of nickel. A. N. Vol'skii, R. A. Agracheva, E. M. Sergievskaia. Izv. AN SSSR Otd. tekh. nauk Met. i gor. delo no. 4:70-80 Jl-Ag '63.

SLAG—CONGRESSES

Conference on the use of blast-furnace slag Stroi. mat. 9 no. 8 40-41 S '63.

SLAG—TESTING

Effect of chromium oxides on the viscosity and conductance of melts in the system silicon oxide - magnesium oxide - aluminum oxide. R. A. Liutkov, L. M. TSylev. Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 2:59-66 Mr-Ap '63.

SLAG—THERMAL PROPERTIES

High temperature microscopy for the determination of melting and crystallization temperatures of slags. Sh. Temesi. Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 2:67-72 Mr-Ap '63.

SLAG—THERMODYNAMIC PROPERTIES

Kinetics of melt formation of the cupola slag type. P. M. Shumgyin, V. N. Borisenkov. Lit. proizv. no. 8 22-24 Ag '63.

SLAUGHTERING AND SLAUGHTERHOUSES

Construction of slaughtering centers. V. Klimenov. Sov. potreb. koop. 7 no. 7 47-49 Jl '63.

SLAUGHTERING AND SLAUGHTERHOUSES—HYGIENIC ASPECTS

Veterinary and sanitary inspection of meat and the hygiene of local slaughterhouses. T. S. Suntsova. Veterinariia 39 no. 9:83-86 S '62.

SLAVE TRADE

Fifty dollars for a pound of live weight. F. Rakovskii. Mol. komm. no. 6:110-113 Je '63.

SLAVERY see subdivision under Brazil, United States

SLAVERY AND SLAVES IN LITERATURE see subdivision under Rome

SLAVIC LANGUAGES

Vinogradov, V. V. [Distinctions in the development pattern of Slavic literary languages before and during their national periods] Razlichiia mezhdu zakonomernostiami razvitiia slavianskikh literaturnykh iazykov v donatsional'nuiu i natsional'nuiu epokhi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 33 p. (V Mezhdunarodnyi s"ezd slavistov doklady Sovetskoi delegatsii). [With summary in French]

Martynov, V. V. [Slavic-Germanic lexical contacts from earliest times; about the land of origin of the Slavs] Slaviano-germanskoe leksicheskoe vzaimodeistvie drevneishet pory; k probleme prarodiny slavian. Minsk, Izd-vo Akad. nauk BSSR, 1963. 248 p.

SLAVIC LANGUAGES—WRITING

A conference on the 1100th anniversary of Slavic writing. V. I. Krekoten'. Rad. lit. 7 no. 5:155-157 S-O '63.

SLAVIC LITERATURE—HISTORY AND CRITICISM

Akademiia nauk SSSR. Institut russkoi literatury. [History of Russian-Slavic literary ties in the 19th century] Iz istorii russko-slavianskikh literaturnykh sviazei XIX v. Moskva, Izd-vo Akad. nauk SSSR, 1963. 374 p.

SLAVIC STUDIES

International Congress of Slavists, 5th, Sofia, 1963. [History, folklore, and art of the Slavic peoples; reports of the Soviet delegation] Istoriia, fol'klor, iskusstvo slavianskikh narodov; doklady sovetskoi delegatsii. Moskva, Izd-vo Akad. nauk SSSR, 1963, 509 p. [With summaries in French, German and English]

Korotiuk, V. D., and others. [Slavic studies in the Soviet Union; a brief review of literature for 1945-1963] Sovetskoe slavianovedenie; kratkii obzor literatury 1945-1963 gg. Moskva, Izd-vo Akad. nauk SSSR. 1963. 62 p. (V mezhdunarodnyi s"ezd slavistov)

SLAVS
(see also subdivision under Canada, United States)

Ancient slavs and their origin, the problem of Slavic ethnogen. V. P. Petro. Ukr. ist. zhur. 7 no. 4 100-11 Ja-Ag '63

History of political contacts among Slavic peoples in the 18-20's and the early 1840's. V. D. Dmitr. Ukr. ist. zhur. 7 no. 1 76-79 Ja-Ag '63

Martynov, V. V. [Slavic-Germanic lexical contacts from earliest times, about the land of origin of the Slavs] SlavIano-germanskoe leksicheskoe vzaimodeistvie drevneishei pory, k probleme prarodiny slavian. Minsk, Izd-vo Akad. nauk BSSR, 1963. 248 p.

Some problems concerning the cultural contacts of southern slavs with the Ukraine in the 1870's. Ph. Kirsto. Ukr. ist. zhur. 7 no. 1 73-75 Ja-Ag '63

Akademiia nauk SSSR. Institut slavianovedeniia. [Studies on German relations with the Slavs] SlavIano-germanskie issledovaniia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 412 p.

SLAVS, EASTERN

Lineage of Tsvetsy settlements (conclusion). G. Fedorov. Nauka i zhizn' 30 no. 9 90-94 S '63.

SLAVUTA—GROCERY TRADE

Slavuta cooperative societies. P. Kozak. Sov. potrebkoop. 7 no. 9 12-13 S '63

SLEEP

Demidova, A. M. [Sleep and dreams] Son i snovidenia. Moskva, Medgiz, 1963. 29 p. (Nauchno-populiarnaia meditsinskaia literatura)

SLIDE RULE

Target designation by a prepared reading. I. Lukhodel. Voen. vest. 42 no. 11:76-77 N '62.

SLOPES (PHYSICAL GEOGRAPHY)

Balance profile and regular slope regime. A. S. Dzerdzeevskii. Izv. AN SSSR. Ser. geog. no. 5 29-35 S-O '63.

SLOVENIA—HISTORY

"History of the Slovenian people" [in Slovenian] by B. Grafenauer. Vols. 1-5. Reviewed by I. V. Chukhlina. Vop. ist. 38 no. 9 158-163 S '63.

SLUGS (ZOOLOGY)—EXTERMINATION see subdivision under Ulan-Ude region

SLUICE GATES

Construction of bottom floodgates on pond fish farms. M. A. Brudastova. Trudy VNIPRKH 8 202-205 '36.

SLUTSK DISTRICT—AGRICULTURAL ADMINISTRATION

Work of the party committee of the Slutsk Collective and State Farm Production Administration of the White Russian S.S.R. Part. zhizn' no. 20 24-27 O '63.

SMALLPOX see subdivision under Uzbekistan

SMELA REGION—PETROLOGY

Are relationships of veinstones of the Smela massif [with summary in English]. IU. V. Kononov, V. K. Riabchun. Dop. AN URSR no. 8:1113-1118 '63

SMELTING FURNACES

[Power engineering processes in cyclone smelting] Tsiklonnye plavil'nye energo-tekhnologicheskie protsessy, trudy nauchno-tekhnicheskogo soveshchaniia, provedennogo Moskovskim energeticheskim institutom v marte 1962 g. Nauchn. redaktor N. A. Semenenko. Moskva, Metallurgizdat, 1963. 119 p.

Temperature boundary in the fields of application of electric power and natural gas in heating processes using pyrometallurgical and electric resistance furnaces. V. S. Nekrasov, IU. V. Smiak. Obshch. energ. no. 6, 83-88 '63.

Temperature boundary in the fields of application of electric power and natural gas in heating processes using pyrometallurgical furnaces and induction heating systems. IU. V. Smiak. Obshch. energ. no. 6:89-94 '63.

Using methods of linear programming in planning the charging of steel smelting furnaces. B. B. Rozin, L. M. Puchkov, V. P. Pervakov. Stal' 23 no. 9 845-847 S '63.

SMELTING FURNACES—COOLING

Chamotte crown with air cooling. A. A. Karpenko. Lit. proizv. no. 8:31 Ag '63.

SMELTING FURNACES—EQUIPMENT AND SUPPLIES

New design of the charge distributer. A. I. Dikalov, A. V. Leonova, D. A. Storozhik. Metallurg 8 no. 8 9-11 Ag '63.

SMIRNOV, SERGEI SERGEEVICH, 1915-

Legends are confirmed. Sov. voin. 45 no. 18:25 S '63.

SMOKING

Siedov, P. F. [Not smoking means preserving the health] Ne kurit' — berezhit' zdorov'ia. Kyiv, Derzh. med. vyd-vo URSR, 1963. 19 p. (DNLM)

SMOL'SKII, BEKIR MIKHAILOVICH, 1913-

Bekir Mikhailovich Smol'skii, on his 50th birthday and thirty years as a teacher. Inzh.-fiz. zhur. 6 no. 8 114-115 Ag '63.

SMUTS

Artificial infection by the vacuum method. A. P. Shestakova, Zashch. rast. ot vred. i bol. 8 no. 9:12 S '63.

Chemical control of common corn smut. N. I. Salunskaia and others. Zashch. rast. ot vred. i bol. 8 no. 4 21-22 Ap '63.

Consider the viability of spores. F. I. Sidenko. Zashch. rast. ot vred. i bol. 8 no. 8:45 Ag '63.

SNORING

How to get rid of snoring. A. S. Tokman. Nauka i zhizn' 30 no. 5:95 My '63

SNOW

Calculation of soil moisture under snow cover. V. N. Parshin. Meteor. i gidrol. no. 9 11-17 S '63

SNOWDROPS see subdivision under Caucasus

SOAKING PITS see Furnaces, Heating

SOAP INDUSTRY
(see also subdivision under Saratov)

Improve the technical and economic indices of the production of synthetic fatty acids. B. A. Brunshtein, V. I. Klimenko, S. F. Rubukhova. Masl.-zhir. prom. 29 no. 9:31-34 S '63.

SOAP INDUSTRY—ACCOUNTING

Improving the accounting in the glycerin manufacture. M. V. Fiodov. Masl.-zhir. prom. 29 no. 9, 29-31 S '63.

SOCCER

Meet "Squadra azzura." V. Dinov. Ogonek 41 no. 21: 28-29 My '63.

[Soccer today and tomorrow] Futbol segodnia i zavtra; sbornik statei. Moskva, Izd-vo "Fizkul'tura i sport." Moskva, 1963. 188 p.

SOCIAL CONFLICT see subdivision under United States

SOCIAL GROUP WORK
(see also subdivision under Ryazhsk District, Sholokhovskiy)

"Coefficient of efficiency" of our work. Ed. El'iashev. Mol. komm. no. 6 25-30 Je '63.

Current problems in the work of rural cultural centers. N. Sviridov. Sov. deput. trud. no. 9, 14-20 S '63.

A study group for activists. V. IAkubov. Sov. deput. trud. no. 9-60 S '63.

SOCIAL GROUPS

Psychologists have started investigating the problem how to form a spaceship crew. M. Novikov. Nauka i zhizn' 30 no. 9 39-41 S '63.

SOCIAL HISTORY

Lazebnyk, Ш. А. [Geneva diary] Zhenevs'kyi shchodennyk. Kyiv, Vyd-vo TsK LKSMU "Molod'" 1963. 173 p.

SOCIAL INSURANCE see Insurance, Social

SOCIAL PROBLEMS

Answering our readers' questions. Sov. iust. no. 17-29 S '63.

SOCIAL SCIENCE RESEARCH

How to plan the study of special problems in the field of social sciences. A. G. Zdravomyslov, V. A. IAdov. Vop. filos. 17 no. 8:71-83 '63.

An interuniversity conference in Ryazan. I. V. Tambovtsev. Vop. filos. 17 no. 8:163-166 '63.

SOCIAL SCIENCES

Our time and the social philosophy of the West. E. D. Modzhalevskaia and others. Vop. filos. 17 no. 8:37-47 '63.

[Social science; textbook for the graduating class of the secondary school and secondary special schools] Suspil'stvoznavstvo, pidruchnyk dlia vypusknoho klasu serednoi shkoly i serednikh spetsial'nykh navchal'nykh zakladiv. Kyiv, Radians'ka shkola, 1963. 360 p.

SOCIAL SCIENCES—AUDIO-VISUAL AIDS

Visual aids in the social science classes. N. M. Minzberg, P. S. Fedorenko. Rad. shk. 42 no. 9:22-30 S '63.

SOCIAL SCIENCES—BIBLIOGRAPHY see Bibliography—Social sciences

SOCIAL SCIENCES—STUDY AND TEACHING
(see also subdivision under Leningrad; Minsk)

Let's train good social science teachers. L. I. Kravtsova. Vest. vys. shkoly 21 no. 9 65-67 S '63.

Social science study rooms are an important section of ideological work. G. A. Borodach, IA. S. Shalavin. Srod. spets. obr. 10 no. 9:16-20 S '63.

Teaching a new course. Z. S. Holovaniva'kyi. Rad. shk. 42 no. 9:17-20 S '63.

SOCIAL SCIENCES—YEARBOOKS

Czernowitz. Universytet. [Science yearbook for 1957] Naukovyi ezhegodnik za 1957 god. Chernovtsy, Chernovitskii gos. univ., 1958. 522 p.

SOCIALIST COMPETITION
(see also subdivision under Azerbaijan, Donets Basin, Ukraine; Uzbekistan)

Brigade is headed by a leader. A. Nikolaev. Sov. Kazakh. 21 no. 4:59-60 Ap '63.

Communism is created by the work of millions. Let's learn to work and live the communist way (methodological advice). Kommun. Mold. 8 no. 7 30-39 '63.

Pechenkin, A. M. [From brigades to a communist labor enterprises] Ot brigad—k predpriatiiu kommunisticheskogo truda. IAkutsk, IAkutskoe knizhnoe izd-vo, 1963. 39 p.
[MICROFILM]

Generalize work practices and expand more widely movement for communist labor. A. P. Sergeev. Mekh. zhur. prom. 29 no. 8 4-7 Ag '63

Honorary title won by the collective. M. K. Ilich. Kaput. khoz. 7 no. 7 20 '63

Improve the system of issuing bonuses to enterprises in accordance with the results of socialist competition. L. Kovalev. Plan. khoz. 40 no. 10 15-19 O '63

In cooperation with industrial personnel. B. K. Ol'shanskii, N. P. TSatsorin. Vest. vys. shkoly 21 no. 9 67-68 '63.

Osokin, G. A. [In one line] Edinym strokoi. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1961. 23 p. (Rasskazyvaiut pionery budushchego)

New achievements of the collective of communist labor. S. A. Blumovich, R. A. Siller, P. P. Vasilchenko, Kaput. khoz. 7 no. 9 2-5 '63.

Participation of party members in the socialist labor movement. Part. zhizn' no. 20, 66-67 O '63.

Practice in organizing communist labor competition at the Nosenko Plant. S. Astakhov. Ekon. Rad. 10 no. 5:90-92 S-O '63

Relay of work valor. I. Leonov. Sots. trud. 8 no. 9 21 Jl '63.

The source of the strength of Soviet trade unions. F. zhizn' no. 18 3-7 S '63.

The story about a pennant. K. Raspevin. Mol. kom. no. 6:49-52 Je '63.

Toward further successes in work and education. O. Maksimov. Part. zhizn' no. 19 48-51 O '63.

Bublik, V. G. [Walk with us, comrades] Shagaite s nami, tovarishchi. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1960. 38 p. (Rasskazyvaiut pionery budushchego)

SOCIALIST PARTIES—CONGRESSES

Summing up the results of the Amsterdam Congress. B. Raiski, H. Shmitke. Nov. vrem. 21 no. 40 14-15 O '63.

SOCIALIST PROPERTY

Communal property. A. Motyiev. Sov. profsoiuz. 19 no. 16 32-35 Ag '63.

Mukhamedov, A. M. [Protection of people's property a sacred duty of every Soviet citizen] Okhrana sotsialisticheskoi sobstvennosti - sviashchennyi dolg kazhdogo sovetskogo grazhdanina. Ashkhabad, Ob-vo po raspr. polit. i nauchnykh znanii Turkmenskoi SSR, 1962. 40 p.
[MICROFILM]

SOCIALIST REALISM

One must create for the people. Aleksandr Vlasenko. Starsh.-serzh. no. 5:4-5 My '63.

Problems of socialist realism in the first volume of "Theory of literature," A. Mlasnikov. Vop. lit. 7 no. 9:41-54 S '63.

SOCIETY, PRIMITIVE

Kosven, M. O. [Family communes and patronymy] Semeinaia obshchina i patronimiia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 217 p.

SOCIOLOGY

The laws of social development. V. A. Perevianko. Nauch. zap. Zapor. gos. ped. inst. 7 287-295 '59

SOCIOLOGY, RURAL

Studying the cultural level and technical qualification of rural toilers. F. I. Il'iashenko. Vop. filos. 17 no. 8 84-91 '63.

SOCKEYE SALMON see subdivision under Alaska

SODIUM

Variety of altevardite containing sodium [with summary in English]. Z. M. Liashkevich. Min. sbor. no. 17 421-430 '62.

SODIUM BOROHYDRIDE

Reactions of sodium borohydride with solutions of cesium salts. K. N. Mochalov, T. I. Bashkirova. Trud. KKHTI no. 30 178-184 '62.

SODIUM CHROMATES

Sodium tri- and tetrachromates. Vikt. I. Spitsyn, N. Afonskii. Zhur. neorg. khim. 8 no. 10:2412-2413 '63.

SODIUM PHOSPHATE see subdivision under Khibiny Mountains

SODIUM TARTRATE

Solubility in the system PbO - $Na_2C_4H_4O_6$ - H_2O at 25°. E. S. Brulle. Zhur. neorg. khim. 8 no. 10:2390-2391 O '63.

SODIUM THIOSULFATE
Effect of intravenous injections of sodium hyposulfite solutions on the morphological blood composition in horses. A. I. Dar'chiashvili Shor. trud. Giruz zootekh.-vet. nauch.-issl. inst. 32:137-145 '61

SOGDIAN MANUSCRIPTS see MANUSCRIPTS, Sogdian

SOIL CONVERSATION
(see also subdivision under Ukraine)
Extent of the washing off of soil as related to the method of basic tillage. V. F. Trushin Zemledelie 25 no. 8:62-64 Ag '63.
Tasks in the control of soil erosion. S. S. Soholev. Zemledelie 25 no. 8:16-27 Ag '63.

SOIL CONSERVATION—CONGRESSES
Control of soil erosion as a nationwide concern. I. P. Vol'nchenko. Zemledelie 25 no. 8:7-15 Ag '63.
Session of the Lenin All-Union Academy of Agricultural Sciences. Zemledelie 25 no. 8:7 Ag '63.

SOIL CONSERVATION—LAWS AND LEGISLATION see subdivision under Ukraine

SOIL FAUNA
Zoological processes in the maturing of peat-manure composts [with summary in English]. N. M. Chernova. Pochvovedenie no. 9:95-102 Ag[i.e.S] '63.

SOIL FERTILITY
Mineral fertilizers and crops. I. Simagin Agitator no. 20:43-45 O '63.

SOIL FORMATION see subdivision under Kirov, Udmurt A. S. S. R.

SOIL FREEZING
Formation of ice walls by two rows of freezing columns. B. V. Bakholdin Shakht. stroi. 7 no. 7:14-16 Jl '63.
Man'kovskii, G. I., O. A. Dolgov, and N. N. Ershov. [Nomograms for calculating the freezing of rocks] Nomogrammy dlia raschetov zamorazhivaniia gornykh porod. Moskva, Institut gornogo dela, 1963. 50 p., charts

SOIL FUNGI
(see also subdivision under Bukovina, Khadyzhensk; Soviet Central Asia)
New soil fungi of the genus Aspergillus. O. P. Kamyshko. Bot. mat. Otd. spor. rast. 16:91-95 '63.

SOIL INOCULATION
Effectiveness of bacterial fertilizers for increasing the yield of corn grown for grain. A. Z. Geidarly. Trudy Azerb. nauch.-issl. inst. zem. 12:85-87 '62.

SOIL MECHANICS
(see also subdivision under Caucasus, Northern; Rostov Province)
Determining the boundary between the elastic and plastic zones in the sandy base of a rigid foundation. IA. K. Sladykh. Vestn. AN BSSR, Ser. fiz.-tekh. nav. no. 3:118-123 '63.
Device for the observation of soil heaving and sagging. G. P. Brodiuk. Put' i put. khoz. 7 no. 7:15 '63.
Dubrova, G. A. [Interaction of ground and structures; calculation of noncohesive ground loads on hydraulic structures taking deformations into consideration] Vzaimodeistvie grunta i sooruzhenii, raschety nagruzok ot nesviaznykh gruntov na gidrotekhnicheskie sooruzheniia s uchetom deformatsii. Moskva, Izd-vo "Rechnoi transport," 1963. 218 p.
Popova, Z. A. [Laboratory manual on soil science and geology] Laboratornyi praktikum po gruntovedeniiu i geologii. Moskva, Avtotransizdat, 1963. 125 p.
Mechanical similarities of solids and their application to the study of structural elements and seismic resistance of buildings. Report No. 8. A. G. Nazarov. Izv. AN Arm. SSR Ser. tekh. nauk 16 no. 4:3-14 '63.
Reviews and bibliography. Osn., fund. i mekh. grun. 5 no. 5:31-3 of cover '63.
Alyshev, I. F., and A. A. Sof'ina. [Testing the road properties of soils] Ispytanie dorozhnykh svoistv gruntov, posobie k laboratornym rabotam (dlia studentov lesoinzhenernogo fakul'teta). Leningrad, Vses. zaochnyi lesotekhnicheskii in-t, 1963. 56 p.

SOIL MICRO-ORGANISMS see subdivision under Murgab Oasis

SOIL MOISTURE
(see also subdivision under Virgin Territory)
Availability of soil moisture to plants. V. P. Panfilov. Izv. Sib. otd. AN SSSR no. 2:90-96 '62.
Calculation of soil moisture under snow cover. V. N. Parshin. Meteor. i gidrol. no. 9:11-17 S '63.
Mobile unit for determining the density and moisture of soil by the gamma and neutron methods. V. I. Kravchenko. Vest. sel'khoz. nauki [Kazakh.] 6 no. 8:76-83 Ag '63.
Observing soil moisture by the gamma-spectroscopic method using the M-30 radiometric apparatus [with summary in English]. I. P. Grechin, V. A. Emel'ianov, V. E. Zinkevich. Izv. TSKHA no. 2:222-225,

SOIL PERCOLATION
Principal equations of the percolation of a multiphase liquid. A. M. Gasanov Trudy Inst. mat. i mekh. AN Azerb. SSR 2:112-116 '63.

SOIL RESEARCH
Evaluation of the relative variation of the property under investigation and determination of the index of relative probable error. E. A. Dmitriev Vest. Mosk. un. Ser. 6, Biol., pochv. 18 no. 5:51-58 S-O '63.
Kachinskii, N. A. [Soil structure] Struktura pochvy; itogi i perspektivy izucheniia voprosa. [Moskva] Izd-vo Mosk. univ. 1963. 98 p.
Technique of preparing microsections of soils with an intact structure. K. N. Fedotov. Vest. Mosk. un. Ser. 6 Biol., pochv. 18 no. 5:68-73 S-O '63.

SOIL STABILIZATION
Binding the soil. R. Hebertovych Nauka i zhyttia 13 no. 7:46-47 Jl '63.
Effect of the artificial soil aggregation agent K-4 on gray desert soils having different degrees of dispersity. E. A. Aripov and others. Uzb. khim. zhur. 7 no. 1:35-40 '63.
Influence of electric discharges on sandy soils. L. A. D. Gil'man. Osn., fund. i mekh. grun. 5 no. 5:8-10 '63.
Study of the stability of cohesive soils with a universal geotechnical instrument. V. I. Savel'ev. Osn., fund. i mekh. grun. 5 no. 5:26 '63.
Treatment of creeping sections. N. M. Anichev. Put' i put. khoz. 7 no. 7:13-15 '63.
Treskinskii, S. A. [Roads on moving soils] Dorogi v podvizhnykh gruntakh. Moskva, Avtotransizdat, 1963. 143 p.

SOIL STABILIZATION—EQUIPMENT AND SUPPLIES
Solution for binding rocks. G. I. Man'kovskii and others. Gor. zhur. no. 9:75 S '63.

SOIL STABILIZATION—TESTING
Field experiments with sagging soils. L. A. Filipchuk, S. I. Muzyka. Osn., fund. i mekh. grun. 5 no. 5:10-13 '63.

SOIL STRUCTURE
Micromorphological studies on fossil soils [with summary in English]. T. D. Morozova. Pochvovedenie no. 9:49-56 Ag[i.e.S] '63.

SOILS see subdivision under Ingul Valley, Kazakhstan; Kopetdag; Moscow Province; Siberia, Western, United States

SOILS—ABSTRACTS
[Soil science] Ref. zhur.: Pochv. no. 20 O '63.

SOILS—BIBLIOGRAPHY see Bibliography—Soils

SOILS—CONGRESSES
On the forthcoming Eighth International Congress of Soil Scientists. S. V. Zonn. Izv. AN SSSR, Ser. geog. no. 5:133-134 S-O '63.

SOILS—MAPS
Gavrilluk, F. IA. [Field study and the mapping of soils] Polevoe issledovanie i kartirovanie pochv. Moskva, Vysshaia shkola, 1963. 234 p.

SOILS—NITROGEN CONTENT
Penetration of nitrogen into soil with precipitation and its removal from the soil with lysimeter water. M. A. Bobritskaia. Pochvovedenie no. 9:21-30 Ag[i.e.S] '63.

SOKAL' DISTRICT—SOCIAL LIFE AND CUSTOMS
New traits in the culture and mode of life of the collective farmers in the Sokal' District of Lvov Province. V. A. Matanchuk. Mat. z etn. ta mystetstvoznav. no. 7/8:21-30 '62.

SOKOLOV, NIKOLAI IL'ICH, 1907-
Life of Nikolai Il'ich Sokolov. V. A. Varsanof'eva. Nov. kar. i spel. no. 3:9-14 '63.
N. I. Sokolov as an investigator of karst. N. A. Gvozdetskii. Nov. kar. i spel. no. 3:15-18 '63.

SOLAR ENERGY
Measurement of radial flux by a temperature gauge fastened in the center of a thin round plate. G. N. Kostianoi. Trudy TSAO no. 45:61-72 '62.

SOLAR FLARES
Hard X rays from solar flares [with summary in English]. L. S. Levitskii. Izv. Krym. astrofiz. obser. 29:146-151 '63.
Nuclear processes in chromospheric flares [with summary in English]. B. M. Vladimirskii, A. B. Severnyi. Izv. Krym. astrofiz. obser. 29:80-85 '63.
Possible mechanism of the light emission of chromospheric flares [with summary in English]. E. E. Dubov. Izv. Krym. astrofiz. obser. 29:86-96 '63.
Radio frequency and X-radiation from solar flares [with summary in English]. A. K. Pankratov. Izv. Krym. astrofiz. obser. 29:160-174 '63.
Structure of solar magnetic fields and its variations in flare regions [with summary in English]. S. I. Gopasiuk and others. Izv. Krym. astrofiz. obser. 29:15-67 '63.
Use of radio astronomy in studying X-radiation from solar flares [with summary in English]. IU. I. Neshpor. Izv. Krym. astrofiz. obser. 29:152-159 '63.
X-radiation from flares originating behind the solar disc [with summary in English]. IU. I. Vinogradov, N. N. Firushev. Izv. Krym. astrofiz. obser. 29:110-115 '63.

SOLAR FLARES—SPECTRA
Metallic lines in flares [with summary in English]. N. N. Stepanian. Izv. Krym. astrofiz. obser. 29:68-79 '63.

SOLAR PLEXUS
Embryogenesis of the solar plexus in mammals. B. M. Kichina. Vop. morf. perif. nerv. sist. no. 6:88-97 '63.
Structure of the large splanchnic nerves and celiac ganglia of the solar plexus in white rat. P. I. Lobko. Vop. morf. perif. nerv. sist. no. 6:80-87 '63.

SOLAR RADIATION
Effect of solar radiation on the ozonosphere based on observation materials of the solar eclipse of February 15, 1961. A. S. Britaev, R. S. Stebleva. Trudy TSAO no. 45:38-43 '62.
Hard X rays from solar flares [with summary in English]. L. S. Levitskii. Izv. Krym. astrofiz. obser. 29:146-151 '63.
Radio frequency and X-radiation from solar flares [with summary in English]. A. K. Pankratov. Izv. Krym. astrofiz. obser. 29:160-174 '63.
Use of radio astronomy in studying X-radiation from solar flares [with summary in English]. IU. I. Neshpor. Izv. Krym. astrofiz. obser. 29:152-159 '63.
X-radiation from flares originating behind the solar disc [with summary in English]. IU. I. Vinogradov, N. N. Firushev. Izv. Krym. astrofiz. obser. 29:141-145 '63.

SOLAR RADIATION—PHYSIOLOGICAL EFFECT
Parfenov, A. P. [Effect of the lack of sunshine on man] Solnechnoe golodanie cheloveka. Leningrad, Medgiz, 1963. 191 p. (DNLM)

SOLDER AND SOLDERING
Pencil shaped soldering bit. A. Levin Nauka i zhizn' 30 no. 5:60 My '63.

SOLDIERS
Birches are smiling at us. L. Shapa Sov. voin 45 no. 18:6-7 S '63.
From the mail of a Soviet soldier. V. Ryl'nikov and others. Sov. voin 45 no. 17:36 S '63.
From the mail of the Soviet soldier. I. Vazhin, P. Vasil'ev. Sov. voin 45 no. 15:31 Ag '63.
Soldier is a proud name! Sov. voin 45 no. 17:41-42 S '63.

SOLDIERS—RECREATION
On behalf of women soldiers. Valentina Borisenkova and others. Sov. voin 45 no. 15:12-13 Ag '63.
Sunday of a soldier. N. Aleksandrova. Smena 40 no. 16:12-13 S '63.
Unabated attention to the organization of soldiers' time off. Komm. Vooruzh. Sil 3 no. 18:42-45 S '63.
We shall talk about soldiers' leisure. V. Krivkov and others. Sov. voin 45 no. 18:20-21 S '63.

SOLDIERS—RELIGIOUS LIFE see subdivision under Rome

SOLID FILM—OPTICAL PROPERTIES
Achromatism of the translucence or antitranslucence of absorbing films [with summary in English]. P. Kard. Izv. AN Est. SSR, Ser. fiz.-mat. i tekh. nauk 12 no. 2:115-122 '63.

SOLID OXYGEN
Neutron diffraction study of solid oxygen. R. A. Alikhanov. Zhur. eksp. i teor. fiz. 45 no. 3:812-814 S '63.

SOLID SOLUTIONS see Solutions, solid

SOLIDIFICATION
Shrinkage of slag melts. I. IA. Cherniavskii. Lit. proizv. no. 8:24-26 Ag '63.
Solidification of soluble polymers based on acrylic polyesters. T. E. Lipatova, V. A. Budnikova. Dokl. AN BSSR 7 no. 8:534-537 Ag '63.

SOLIDS
Generalization of the theoretical model of a solid body [with summary in English]. IA. S. Pidstrygach. Dop. AN URSR no. 8:1015-1018 '63.

SOLIDS—DENSITY
Mobile unit for determining the density and moisture of soil by the gamma and neutron methods. V. I. Kravchenko. Vest. sel'khoz. nauki [Kazakh.] 6 no. 8:76-83 Ag '63.

SOLOV'EV, IVAN IVANOVICH, 1903-
I. I. Solov'ev; on his 60th birthday. Elektrichestvo no. 8:94 Ag '63.

SOLUBILITY

Additional data on the solubility of tetrabutyl titanium oxalate. A. V. Grinberg, G. I. Petrenko. Prikl. khimiia 36 no. 3:616-620 '63.

Hydrogen solubility in liquid titanium. V. I. Latomskii, V. V. Kalinnik. Avtom. svar. 16 no. 9:31-35 S '63.

Preliminary data on the solubility of metallic sulfides in water under the conditions of increased temperature and pressure [with summary in English]. F. G. Smith Min. sb. no. 17:285-290 '62.

Solubility in the system $GeO_2 - H_2O - HCl - GeCl_4$. F. V. Ignatov. Zhur. neorg. khim. 8 no. 10:2384-2389 O '63.

Solubility in the system $PbO - Na_2C_4H_4O_6 - H_2O$ at 25°. F. S. Brunk. Zhur. neorg. khim. 8 no. 10:2390-2394 O '63.

Solubility, isotherm of the system $ZrOCl_2 - CaCl_2 - HCl - H_2O$ at 25°. I. G. Kamaeva, V. V. Serebrennikov. Zhur. neorg. khim. 8 no. 9:2151-2154 S '63.

Solubility of carbonic acid in some organic solvents at low temperatures. I. P. Usiukin, V. M. Shleidikov. Neftepererab. i neftekhim. no. 1:39-43 '63.

Solubility of gallium and iridium phosphides in germanium. V. M. Glazov, G. I. Mal'tsina. Zhur. neorg. khim. 8 no. 10:2372-2375 O '63.

Solubility of hydrocarbons in heavy water. A. N. Guseva, E. I. Parnov. Radiokhimiia 5 no. 4:507-509 '63.

Solubility of iron and aluminum chlorides in titanium tetrachloride. N. N. Ruban, V. D. Ponomarev, K. A. Vinogradova. Trudy Inst. met. i obog. AN Kazakh. SSR 6:22-24 '63.

Solubility of lithium carbonate in solutions of lithium chloride and nitrate at 25°. V. E. Plyushchev, L. V. Kurtova. Zhur. neorg. khim. 8 no. 10:2381-2383 O '63.

Studying the solubility of arsenic compounds in alkali sulfide solutions. M. Z. Malkin, I. R. Polyakovskaya. Trudy Inst. met. i obog. AN Kazakh. SSR 6:34-46 '63.

SOLUTION (CHEMISTRY)

Determining the region in which the composition of a three-component azeotrope is located in a concentration triangle [with summary in English]. M. Susarev, I. Kudriavtseva. Uch. zap. AN Est. SSR. Ser. fiz.-mat. i tekh. nauk 12 no. 2:212-217 '63.

SOLUTIONS, SOLID

Heat conduction and value of the Z efficiency of solid solutions in the systems $Bi_2Se_3 - Sb_2Te_3$ and $Bi_2Te_3 - Sb_2Se_3$. A. V. Ioffe, V. G. Kuznetsov, K. K. Palkina. Zhur. neorg. khim. 8 no. 9:2132-2135 S '63.

Lattice identity period and microhardness of solid solutions of indium and gallium phosphides. N. N. Sirota, V. V. Rozov. Dokl. AN BSSR 7 no. 7:446-448 Jl '63.

Role of diffusion in the replacement of minerals and the decomposition of solid solutions. B. V. Brodin. Trudy Min. muz. no. 14:79-95 '63.

SOLUTIONS, SOLID—ELECTRIC PROPERTIES

Electric conductivity and thermoelectromotive force of solid solutions in the systems $Bi_2Se_3 - Sb_2Te_3$ and $Bi_2Te_3 - Sb_2Se_3$. V. G. Kuznetsov, K. K. Palkina, A. V. Dmitrieva. Zhur. neorg. khim. 8 no. 9:2136-2139 S '63.

SOLVENTS

Nakhmanovich, B. M. [Preparation of solvents from corncobs] Poluchenie rastvoritelei iz kukuruznoi kocheryzhki. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1963. 53 p.

SOLZHENITSYN, ALEKSANDR ISAEVICH, 1918-

Reading Solzhenitsyn's book. V. Bukin. Nauka i rel. 4 no. 5:90-91 My '63.

SOMATOLOGY—CONGRESSES

Conference on the Physical Development of the Population of the U.S.S.R. D. I. Aron. Vop. antr. no. 13:151 '63.

SONAR

Use of the results of a sonar survey to determine the losses in dredging placer deposits. G. A. Krotov. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 3:39-45 '63.

SORGHUM—DISEASES AND PESTS

Nigrospora infection of sorgo. T. A. Kulik. Zashch. rast. ot vred. i bol. 8 no. 8:16-18 S '63.

SOROKI DISTRICT—MEDICINE, RURAL

Some problems in the organization of therapeutic aid for the population in a rural area of the Moldavian S.S.R., from therapeutic service data of Soroki district. P. A. Testemitsanu. Zdravookhranenie 6 no. 2:5-10 Mr-Ap '63.

SORPTION

Characteristics of the sorption of strontium 90 by active manganese dioxide. Iu. V. Egorov, E. I. Krylov. Radiokhimiia 5 no. 2:211-215 '63.

Effect of the mass of a collector (hydrated oxide) on the sorption of trace amounts of certain radioactive isotopes. Iu. V. Egorov, E. I. Krylov. Radiokhimiia 5 no. 2:205-211 '63.

Effect of pH on the sorption of Co^{60} by peat. A. I. Berdnikov, V. F. Oreshko. Radiokhimiia 5 no. 3:390-392 '63.

Sorption and desorption of vapors by wheat gliadin [with summary in English]. V. V. Ponomarev, T. I. Karetina. Koll. zhur. 25 no. 5:587-588 S-O '63.

Sorption of some elements by carboxyl cation exchangers. E. I. Kazantsev, A. N. Denisov. Zhur. neorg. khim. 8 no. 9:2198-2205 S '63.

SORTING DEVICES

From the editor's mail. Sots. trud. 8 no. 7:131-132 Jl '63.

SOSHKINA, ELIZAVETA DMITRIEVNA, 1880-1963

Elizaveta Dmitrievna Soshkina; obituary. T. A. DobrolIubova, N. V. Kabakovich. Paleont. zhur. no. 3:140-142 '63.

SOSIURA, VOLODYMYR, 1898-

Creative development of a poet. IE. IE. Radchenko. Rad. lit. 7 no. 4:43-55 Jl-Ag '63.

A little-known poem by V. Sosiura. M. F. Komarnyts'kyi. Rad. lit. 7 no. 5:131-132 S-O '63.

SOTRINA REGION—SAWING

Reconditioning a sleeper sawing machine. B. Deev. Les prom. 40 no. 3:31 Mr '62

SOUND

Miasnikov, L. L. [The inaudible sound] Neslyshimyi zvuk. Leningrad, Sudpromgiz, 1963. 110 p.

SOUND—APPARATUS

Resonance opticoacoustic chamber. A. A. Sivkov, N. E. Averianov. Opt. i spektr. 15 no. 3:434-436 S '63.

SOUND—RECORDING AND REPRODUCING

Methods for applying magnetic sound tracks to narrow films [with summary in English on p. 96]. G. V. Avilov. Tekh. kino i telev. 7 no. 9:72-78 S '63.

Andereg, G. F. [Regulation of motion-picture projecting and sound-reproducing apparatus] Regulirovka kinoproektsionnoi i zvukovosproizvodiashchei apparatury. Pod red. S. M. Provornova. Moskva, Izd-vo "Iskusstvo," 1963. 207 p. (Biblioteka kinomekhanika)

SOUND WAVES

Investigating the spectrum of the sound pressure in a rotary apparatus. A. A. Baram, O. A. Kokushkin. Trudy LTITSBP no. 11:209-211 '62.

Motion of a deformed body in an acoustic medium. L. I. Slepian. Prikl. mat. i mekh. 27 no. 5:918-923 S-O '63.

SOUTH AFRICA, REPUBLIC OF—COMMERCE—RUSSIA

Against misinterpretation and slander: To the wrong address. Nov. vrem. 21 no. 37:11 S '63.

SOUTH AFRICA, REPUBLIC OF—DEFENSES

Verwoerd "rescues" civilization [with English summary in insert]. I. Sivtsev. Az. i Afr. segodnia no. 9:23-25 S '63.

SOUTH AFRICA, REPUBLIC OF—ECONOMIC CONDITIONS

The Republic of South Africa. N. Pakhomov. Mezhdunar. zhizn' 10 no. 9:147-148 S '63.

SOUTH AFRICA, REPUBLIC OF—HINDUS

Like a hundred years ago. E. Glushchenko. Az. i Afr. segodnia no. 9:63 S '63.

SOUTH AFRICA, REPUBLIC OF—RACE DISCRIMINATION

Our commentaries. Nov. vrem. 21 no. 42:2-3 O '63.

Verwoerd "rescues" civilization [with English summary in insert]. I. Sivtsev. Az. i Afr. segodnia no. 9:23-25 S '63.

SOUTH AFRICA, REPUBLIC OF—RACE QUESTION

The Republic of South Africa. N. Pakhomov. Mezhdunar. zhizn' 10 no. 9:147-148 S '63.

New repressive measures in South Africa. Vsem. prof. dvizh. no. 7/8:47 Jl-Ag '63.

SOUTH AFRICA, REPUBLIC OF—TRADE UNIONS—OFFICERS

The W. F. T. U. challenges the credentials of the South African workers' delegate. Louis Saillant. Vsem. prof. dvizh. no. 7/8:45 Jl-Ag '63.

SOUTH CHINA SEA—TIDAL WAVES

Practice of computing a cotidal chart of the M_2 tidal wave in the South China Sea [with summary in English]. IU. N. Sergeev. Trudy Inst. okean. 66:66-78 '63.

SOUTH KAZAKHSTAN PROVINCE see Chimkent Province

SOUTH KAZAKHSTAN TERRITORY—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Is this mismanagement? B. Akubonek. Nar. khoz. Kazakh. 21 no. 7:17-20 Jl '63.

SOUTH KAZAKHSTAN TERRITORY—INDUSTRIAL MANAGEMENT

Increase the material self-interest of enterprises. Zh. Kozbagarov. Den. i kred. 21 no. 9:53-55 S '63.

SOUTH KAZAKHSTAN TERRITORY—ORE DEPOSITS

Chemical, mineralogical, and technological properties of rocks of the "Chetinskii" talc deposit. I. N. Babin, A. G. Shcheglov. Trudy Inst. met. i obog. AN Kazakh. SSR 6:100-110 '63.

SOUTH KOREA see Korea, South

SOUTHEAST ASIA COLLECTIVE DEFENSE TREATY

SEATO. A. Uglov. Mezhdunar. zhizn' 10 no. 10:141-144 O '63.

SOUTHEAST ASIA TREATY ORGANIZATION

On the road of neutrality [with English abstract in insert]. G. Sochevko. Az. i Afr. segodnia no. 9:3 S '63.

SOUVENIRS (KEEPSAKES) see subdivision trade under Abkhazia

SOVEREIGNTY

Guarantees for the sovereignty of the Soviet Union Republics. L. Stroitelev. Rad. prav. 30 My-Je '63.

SOVETSKIY DISTRICT (STAVROPOL TERRITORY) PRODUCE TRADE

How we organize the produce trade. P. Boshkareva. Sov. deput. trud. no. 6:26-27 Je '63.

SOVIET BLOC see Communist Countries

SOVIET CENTRAL ASIA—BENTONITE

Universal material. A. Gazirov, A. Pan. Priroda 52 no. 5:70-74 S '63.

SOVIET CENTRAL ASIA—CATTLE—DISEASES AND PESTS

Treatment of animals with theileriasis. V. I. Kal. Veterinariia 39 no. 8:28 S '62.

SOVIET CENTRAL ASIA—COTTON GROWING

Surface tillage before sowing. M. Akhmedjanov, G. Kim. Tekh. v sel'khoz. 23 no. 4:8-10 '63.

SOVIET CENTRAL ASIA—CULTURE

Role of the Russian intelligentsia in the development of the national culture of formerly backward peoples of the U.S.S.R. Sh. Batyrov. Izv. AN Turk. SSR, ser. obshchestv. nauk no. 2:3-11 '63.

SOVIET CENTRAL ASIA—ECONOMIC CONDITIONS

Economy of the republics of the Soviet East. G. Pashkov. Nar. khoz. Kazakh. 21 no. 4:72-76 Ap '63.

SOVIET CENTRAL ASIA—FOOD INDUSTRY

Produce more food products for the population. Sov. khoz. Uzb. 5 no. 9:54-55 S '63.

SOVIET CENTRAL ASIA—FRUIT, DRIED

Disinfecting dried fruits. G. I. Shchegoleva. Zashch. rast. ot vred. i bol. 8 no. 9:14-15 S '63.

SOVIET CENTRAL ASIA—FUEL

Fuel industry planning should be on a scientific basis. I. Minta. Nar. khoz. Uzb. 5 no. 9:59-62 S '63.

SOVIET CENTRAL ASIA—FUSULINIDAE

Solov'eva, M. N. [Stratigraphy and the zone of fusulinids of Middle Carboniferous sediments in Central Asia] Stratigrafiia i fuzulinidovye zony srednekamennougolnykh otlozhenii Srednei Azii. Moskva, Akad. nauk SSSR, 1963. 132 p. fold. diagrs. inserted. (Akademiia nauk SSSR. Geologicheskii institut. Trudy, no. 76)

SOVIET CENTRAL ASIA—GEOLOGY, STRATIGRAPHY

Solov'eva, M. N. [Stratigraphy and the zone of fusulinids of Middle Carboniferous sediments in Central Asia] Stratigrafiia i fuzulinidovye zony srednekamennougolnykh otlozhenii Srednei Azii. Moskva, Akad. nauk SSSR, 1963. 132 p. fold. diagrs. inserted. (Akademiia nauk SSSR. Geologicheskii institut. Trudy, no. 76)

SOVIET CENTRAL ASIA—HISTORY

Against the distortion of the history of Central Asia and Kazakhstan. V. M. Ustinov. Vop. ist. 38 no. 8:103 S '63.

SOVIET CENTRAL ASIA—INDUSTRIAL PLANTS DESIGN AND CONSTRUCTION

Build faster, cheaper and better. Nar. khoz. Uzb. 5 no. 9:18-24 S '63.

SOVIET CENTRAL ASIA—INSCRIPTIONS, ARABIC

Arabic inscriptions on the ceramic watering vessels of Central Asia from the 9th through the 14th centuries. O. G. Bol'shakov. Epig. Vost. no. 15:73-87 '63.

SOVIET CENTRAL ASIA—MANUFACTURES

Specialization gains new positions. Nar. khoz. Uzb. 5 no. 9:54 S '63.

SOVIET CENTRAL ASIA—MEAT INDUSTRY

Work of the meat industry of the Central Asian Economic Council. Iu. Mamadzhanov. Miasn. ind. SSSR 34 no. 6:28-30 '63.

SOVIET CENTRAL ASIA—METAL-CUTTING TOOLS—MAINTENANCE AND REPAIR

Specialization in the repair of metal-cutting equipment is a vitally important task. M. Targanskii, M. Shneiderman. Nar. khoz. Uzb. 5 no. 9:63-67 S '63.

SOVIET CENTRAL ASIA—POPLAR

Growing poplar timber in Central Asia. G. P. Ozolin. Les. khoz. 16 no. 7:51-54 Jl '63.

SOVIET CENTRAL ASIA—RIVERS

Shul'ts, V. L. [Rivers of Central Asia] Reki Srednei Azii. Leningrad, Gidrometeoizdat Pt. 1. 1963. 301 p.

SOVIET CENTRAL ASIA—ROCKS, IGNEOUS

Quantitative characteristics of igneous activity in Central Asia. K. L. Babaev. Uzb. geol. zhur. 7 no. 1:51-59 '63.

SOVIET CENTRAL ASIA—ROSES

History of rose culture in Central Asia and Kazakhstan. K. L. Sushkov. Trudy Alma-At. bot. sada 7 3-49 '63.

SOVIET CENTRAL ASIA—SEISMOLOGY

Session of the Council on Seismology of the Academy of Sciences of the U. S. S. R. held in Frunze, V. M. Arkhangel'skaia. Izv. AN SSSR. Ser. geofiz. no. 9:1394-1398 S '63.

SOVIET CENTRAL ASIA—SOIL FUNGI

Distribution of antibiotic-producing soil fungi in Central Asia as related to the altitude of the place [with summary in English] T. P. Suprun, O. P. Avraamova, Z. F. Bekker. Biul. MOIP. Otd. biol. 68 no. 1:84-92 Jl-Ag '63.

SOVIET CENTRAL ASIA—TECHNOLOGICAL INNOVATIONS

The main designing and technological organizations. Nar. khoz. Uzb. 5 no. 9:55 S '63.

SOVIET CENTRAL ASIA—THEILERIASIS

Treatment of animals with theileriasis. V. I. Kalinin. Veterinariia 39 no. 9:26 S '62.

SOVIET CENTRAL ASIA—WATER, UNDERGROUND

Mikhailov, I. E. [Underground water in the Bukhara-Karshi oil- and gas-bearing artesian basin] Podzemnye vody Bukharo-Karshinskogo neftegazonosnogo artezianskogo basseina. Leningrad, Gostoptekhizdat, 1962. 165 p. (Leningrad. Vsesoiuznyi geologicheskii institut. Trudy, vol. 84. Problema neftegazonosnosti Srednei Azii, no. 12)

SOVIET FAR EAST—FORESTS AND FORESTRY

Books written by Siberian authors. Les. khoz. 16 no. 7:91-92 Jl '63.

SOVIET FAR EAST—GRANITE—MAGNETIC PROPERTIES

Data on the magnetic stability of granitoid rocks in the northeast. D. M. Pecherskii. Geol. i geofiz. no. 4:3-23 '63.

SOVIET FAR EAST—HOG CHOLERA—PREVENTIVE INOCULATION

Vaccination of suckling piglets against hog cholera. M. P. Ten, V. F. Krivosheev. Veterinariia 39 no. 9:31 S '62.

SOVIET FAR EAST—MAGNETIC ANOMALIES

Nature of magnetic anomalies in the area of transition from the Asiatic continent to the Pacific Ocean. A. G. Gainanov, O. N. Solov'ev. Dokl. AN SSSR 151 no. 6:1399-1401 Ag '63.

SOVIET FAR EAST—MOLLUSKS, FOSSIL

Paleogene and Neogene fresh water mollusks in the southern part of the Soviet Far East [with summary in English]. S. M. Popova. Geol. i geofiz. no. 7:50-63 '63.

SOVIET FAR EAST—POLYPORACEAE

New genus and new species of Polyporaceae found in the Far East. A. S. Bondartsev, L. V. Liubarskii. Bot. mat. Otd. spor. rast. 16:125-133 '63.

SOVIET UNION see Russia

SOVIETS

(see also subdivision under Birobidzhan District; Cherkassy Province; Khakass Autonomous Province; Neklinovskiy District; Tatar A. S. S. R.; Uzbekistan; Vladimir Province; Vyshny Volochek District)

The guardians of law and order. I. Petrenko. Sov. deput. trud. no. 9:89 S '63.

How the work of the deputies of the soviets can be improved. Sov. deput. trud. no. 9:90-91 S '63.

Newly-elected members of the supreme soviets of the Union and Autonomous Republics and local soviets. Sov. deput. trud. no. 6:99-100 Je '63.

Old problems and new objectives of the district soviets. V. Osnovin, P. Seredin. Sov. deput. trud. no. 6:87-89 Je '63.

Public participation in the work of the soviets. P. Titov. Part. zhizn' no. 19:8-14 O '63.

Rural soviets and cultural work. P. Zhilin. Part. zhizn' no. 20 60-62 O '63.

Soviet and the services for our people. Sov. deput. trud. no. 6:3-6 Je '63.

Demochkin, N. N. [The Soviets of 1905 as organs of the revolutionary government] Sovety 1905 goda—organy revoliutsionnoi vlasti. Moskva, Gosiurizdat, 1963. 173 p.

SOWING

Denisov, P. V. [Seeding rates for grain crops and peas] Normy vyseva zernovykh kul'tur i gorokha. [Leningrad] Lenizdat, 1963. 53 p. (DNAL)

SOYBEAN—DISEASES AND PESTS see subdivision under Krasnodar Territory

SPACE BIOLOGY

Automatic control of algal cultures. G. A. Ivanov, I. V. Aleksandrova. Usp. sovr. biol. 56 no. 1 90-97 Jl-Ag '63.

Life in interplanetary space. G. M. Zigel'. Znan.-sila 38 no. 7:18-21 Jl '63.

Man makes space livable. V. V. Parin. Sov. Kras. krest 13 no. 2:20-21 Mr-Ap '63.

SPACE FLIGHT

Days that thrilled the world. Sov. pech. no. 7:17-20 Jl '63.

Mechanics of a space flight with low thrust. G. L. Grodzovskii, Iu. N. Ivanov, V. V. Tokarev. Inzh. zhur. 3 no. 3, 590-615 '63.

New stage of space conquest. N. Varvarov. NTO 5 no. 8:6-8 Ag '63.

SPACE LAW—CONGRESSES

Transform space into a zone of genuine peace. E. A. Korovin. Mezhdunar. zhizn' 10 no. 9 116-118 S '63.

SPACE MEDICINE

Adynamia in space flight. V. Lebedev. Av. i kosm. 46 no. 9:21-24 S '63.

Man makes space livable. V. V. Parin. Sov. Kras. krest 13 no. 2 20-21 Mr-Ap '63.

SPACE VEHICLES

(see also subdivision under United States)

Space systems for multiple use. V. Saginov. Av. i kosm. 46 no. 9:16-20 S '63.

SPACE VEHICLES—PROPULSION SYSTEMS

Mechanics of a space flight with low thrust. G. L. Grodzovskii, Iu. N. Ivanov, V. V. Tokarev. Inzh. zhur. 3 no. 3 590-615 '63.

SPACES, GENERALIZED

Classification of nonsingular gravitational fields by groups of homothetic motions. N. S. Lipatov. Uch. zap GGPI no. 41:67-76 '62.

Dynamic systems and one-parameter groups of operators in Frechet spaces. T. A. Zamanov. Trudy Inst. mat. i mekh. AN Azerb. SSR 4:104-126 '63.

Ergodic properties of geodesic flows on closed Riemannian manifolds of negative curvature. D. V. Anosov. Dokl. AN SSSR 151 no. 6:1250-1252 Ag '63.

Generalization of reductive homogeneous spaces. I. L. Kantor. Dokl. AN SSSR 151 no. 6:1268-1270 Ag '63.

An imbedding theorem. T. D. Venttsel'. Usp. mat. nauk 18 no. 3:149-153 My-Je '63.

Monomial subgroups of the motions of the biaxial parabolic-type B_3^{ν} space. N. V. Talantova. Trudy KAI no. 69:21-33 '62.

Non-negative eigenfunctions of the Beltrami-Laplace operator on symmetric spaces of non-positive curvature. F. I. Kapelevich. Dokl. AN SSSR 151 no. 6:1274-1276 Ag '63.

SPACESHIPS

Airplane and the cosmos. V. M. Miasishchev. Sov. voin 45 no. 15 26-28 Ag '63.

SPAIN—COLONIES—AFRICA see Africa—Spanish colonies

SPAIN—FEUDALISM

Development of feudal relations in Visigothic Spain, the growth of the power and political independence of the owners of large manorial estates [with summary in German]. A. R. Korsunskii. Sred. vek. no. 23:3-19 '63.

SPAIN—POLITICS AND GOVERNMENT

The people and the regime; correspondence on the situation in Franco's Spain. Bernardo Carlos. Nov. vrem. 21 no. 37,16-17 S '63.

SPAIN—STRIKES AND LOCKOUTS

The people and the regime; correspondence on the situation in Franco's Spain. Bernardo Carlos. Nov. vrem. 21 no. 37:16-17 S '63.

SPAIN—TRADE UNIONS—OFFICERS

For the recall of the Franco government delegation from the International Labor Organization Conference. Vsem. prof. dvizh. no. 7/8:48 Jl-Ag '63.

SPAIN—VISIGOTHS

Development of feudal relations in Visigothic Spain; the growth of the power and political independence of the owners of large manorial estates [with summary in German]. A. R. Korsunskii. Sred. vek no. 23:3-19 '63.

SPANISH AMERICA see Latin America

SPANISH LANGUAGE see subdivision under Latin America

SPANISH LANGUAGE—DICTIONARIES—RUSSIAN

[Spanish-Russian school dictionary; 6, 000 words] Ispansko-russkii uchebnyi slovar'; 6000 slov. Sostavili M. Gis-M. Gisbert, I. V. A. Nizskii. S prilozheniem svedenii po morfologii i grammaticheskikh tablits russkogo iazyka, sostavlennykh A. A. Zalizniakom. Izd 2., stereotipnoe. Moskva, Gos. izd-vo inostr. i natsional'nykh slovarei, 1963. 548 p.

SPARK PLUGS

New spark plug. V. I. Terekhin. Avt. prom. 29 no. 10:44 O '63.

SPARROWS—EXTERMINATION see subdivision under Krasnodar Territory

SPECIES

"The theory of species" by K. M. Zavadskii. Reviewed by E. M. Lavrenko. Bot. zhur. 48 no. 8 1217-1223 Ag '63.

SPECIFIC GRAVITY

Formulas for determining the specific gravity of type A_2X_3 and AX_3 crystals [with summary in English]. O. S. Povarennykh. Dop. AN URSR no. 8 1089-1092 '63.

SPECIFICATIONS

Moldavian S. S. R. Gosudarstvennaia planovaia komissiia. [Index of the technological specifications for the Republic, effective as of January 1, 1963] Ukazatel' respublikanskikh tekhnicheskikh uslovii; po sostoianiiu na 1 ianvaria 1963 goda. Kishinev, 1963. 81 p.

SPECTROGRAPH

Photoelectric adapter for the ISP-22 (ISP-26) spectrograph. N. V. Artsishevskaia, I. I. Erina, I. G. Streltsov. Avt. prom. 29 no. 10 34-36 O '63.

SPECTROMETER

Device for measuring spectral coefficients of radiation blackness. G. A. Beberskii. Izm. tekh. no. 8:35-36 Ag '63.

SPECTROPHOTOMETRY

Specificity of the spectrophotometric method of determining ethyl alcohol in the blood and urine of human corpses. I. S. Karandaev. Sud.-med. ekspert. 6 no. 3:18-22 Jl-S '63.

Spectrophotometric analysis of acid sulfite solutions. G. P. Arkhipov, I. E. Flis, K. P. Mishchenko. Trudy LTITSBP no. 11:128-133 '63.

Spectrophotometric method of analysis in an ultraviolet spectrum field in determining some air contaminants. M. D. Manita. Pred. dop. kontsent. atmosf. zagr. no. 7:117-125 '63.

Spectrophotometric method for studying the equilibrium of the dissociation of hypobromous acid in aqueous solutions. G. I. Pusenko and others. Trudy L.TITSBP no. 11:118-123 '62.

SPECTRUM, INFRARED

Rashkes, IA. V. [Principles of the use of infrared spectroscopy in organic chemistry] Ob osnovakh primeneniia infrakrasnoi spektroskopii v organicheskoi khimii. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1963. 62 p.

Gribov, L. A. [Theory of intensity in the infrared spectra of polyatomic molecules] Teoriia intensivnostei v infrakrasnykh spektrakh mnogoatomnykh molekul. Moskva, Izd-vo Akad. nauk SSSR, 1963. 151 p.

SPECTRUM, MOLECULAR see Molecular spectra

SPECTRUM, SOLAR

Distribution of energy in the solar spectrum and the absorption of radiation by ozone at heights of 15-50 km. L. A. Biriukova. Trudy TSAO no. 45:44-48 '62.

SPECTRUM, ULTRAVIOLET

Ultraviolet absorption spectra of the cerebrospinal fluid in neurological patients. M. M. Korin, V. A. Mashenkov, L. G. Pikulik. Dokl. AN BSSR 7 no. 7:498-500 Jl '63.

SPECTRUM ANALYSIS

(see also subdivision under Leningrad)

Application of the method of moments in the definition of spectra. L. P. Kazachenko. Dokl. AN BSSR 7 no. 6:378-381 Je '63.

Combustion of a proportioned quantity of matter in spectrum analysis using the photoelectric method. A. H. Nepokolchitskii, A. A. Iankovskii. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no. 3,124-127 '63.

[illegible]

[illegible] Ya. [illegible], 1828-1921

[illegible]

SPERM WHALE

[illegible]

SPHAGNUM

[illegible]

SPHENE

[illegible]

SPHINGIDAE

[illegible]

SPINAL ANESTHESIA

[illegible]

SPINAL CORD

[illegible]

SPINAL CORD—DISEASES

[illegible]

SPINE—ABNORMITIES AND DEFORMITIES

Pneumatic devices in a corset for the correction of lateral spinal curvatures; preliminary report. M. N. Polyakov. Ortop., travm. i protez. 24 no. 2 73-77 F '63.

[illegible]

SPINE—SURGERY

[illegible]

[Multivolume manual on surgery] Mnogotomnoe rukovodstvo po khirurgii. Moskva, Medgiz.
Vol. 4. Exerc., B. G., ed. [Neurosurgery, the sequelae of lesions of the central nervous system. Diseases of the spine, the spinal cord and its membranes. Diseases of the vegetative nervous system] Neirokhirurgiia, posledstviia porazhenii tsentral'noi nervnoi sistemy. Zabol. obolochek spinnogo mozga i ego obolochek. Zabolevaniia vegetativnoi nervnoi sistemy. 1963. 667 p. (DNLM)

SPINE—TUMORS

[illegible]

SPINEL GROUP—THERMAL PROPERTIES

[illegible]

SPINNING

[illegible]

SPINNING—BIBLIOGRAPHY see Bibliography—Spinning

SPINNING MACHINERY

[illegible]

SPINNING MACHINERY—MAINTENANCE AND REPAIR

Polyakinshi, A. A., and V. A. Gakel'. [Maintenance and repair of cotton-spinning machines] Remont mashin khlopchatobumazhnogo proizvodstva. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1963. 166 p.

SPINNING MACHINERY—TESTING

Comparing the technological efficiency of high-speed drawframes with a 6 mm and 9 mm diameter combs. Z. V. Ivanova, E. D. Aleksandrovich. Nauch.-issl. trud. TsNIILV 16 118-126 '63.

SPINOR ANALYSIS

Theory of a neutral vector field with spin 1 [with summary in English]. V. I. Ogievetskii, I. V. Polubarinov. Zhur. eksp. i teor. fiz. 45 no. 3:709-712 S '63.

SPLEEN

Effect of the spleen on the liver in some pathological states. L. I. Geller. Pat. fiziol. i eksp. terap. 7 no. 2 66-67 Mr-Ap '63.

Humoral influences of the spleen on the bone marrow in lesions caused by ionizing radiation and benzene [with summary in English]. L. I. Geller. Pat. fiziol. i eksp. terap. 7 no. 1 65-70 Ja-F '63.

SPLEEN—INNERVATION

Effect of the stimulation of the vascular receptors of the spleen by E. A. Asratian and A. P. Polosukhina's anti-shock fluids on blood pressure and respiration. Zh. B. Sal'dibaeva. Izv. AN Kazakh. SSR. Ser. med. nauk no. 1 7-11 '63.

SPLEEN—SURGERY

Splenectomy in patients with liver cirrhosis. A. F. Kemarskaia. Vest. khir. 90 no. 3 110-111 Mr '63.

SPLENIC VEIN see Splenoportography

SPLENIN

Use of splenin in the treatment of patients with chronic hepatitis and liver cirrhosis [with summary in English]. N. N. Spiridova. Vrach. delo no. 9:25-30 S '63.

SPLENOPORTOGRAPHY

Diagnosis of dilatation of the esophageal veins in portal hypertension [with summary in English]. M. A. Ashrapova, G. K. Kantsel'son. Vest. khir. 91 no. 8 31-36 Ja-F '63.

Portal hypertension of hepatic origin combined with thrombosis in the portal vein system [with summary in English]. L. S. Matveeva, V. P. Gorbatenko. Vest. khir. 91 no. 1 37-40 Ja-F '63.

SPLINTS (SURGERY)

Plaster and epoxide splints. I. M. Varshavskii. Ortop., travm. i protez. 24 no. 2 73 F '63.

Splint for the treatment of Volkmann's ischemic contracture of the wrist and fingers. P. IA. Fishchenko. Ortop., travm. i protez. no. 1 81-83 '63.

SPORANGIUM

Genesis of male sporangia in Gramineae and Dioscoreaceae [with summary in English]. T. B. Batygina and others. Bot. zhur. 48 no. 8:1108-1120 Ag '63.

SPORES (BOTANY)

Consider the viability of spores. E. I. Sidenko. Zashch. rast. ot vred. i bol. 8 no. 8 45 Ag '63.

SPORTS
(see also subdivision under Hungary; Moscow)

All-Union review of the Soviet physical culture movement. Teor. i prak. fiz. kul't. 26 no. 8:7-12 Ag '63.

Baptism of fire. V. Dalidzhiev. Smena 40 no. 15:30-31 Ag '63.

Educational significance of sports traditions. M. F. Terekhova. Teor. i prak. fiz. kul't. 26 no. 8:40-44 Ag '63.

Mosaic of Spartakiadas. Smena 40 no. 16 24-25 S '63.

Racism and the physical development of man. S. IA. Cailun. Teor. i prak. fiz. kul't. 26 no. 8 56-59 Ag '63.

Kulegshov, A. [Reactionary nature of bourgeois sports; a lecture] O reaktsionnoi sushchnosti burzhuaznogo sporta, lektsiia. Moskva, Izd-vo "Fizkul'tura i sport," 1963. 34 p. (Bibliotechka propagandista fizicheskoi kul'tury i sporta)

Salute to the Third Spartakiada of the peoples of the U. S. S. R. Teor. i prak. fiz. kul't. 26 no. 8:12 Ag '63.

Soccer players on wheels. A. Ivanov, IA. Klumkin. Ogonek 41 no. 41:26-27 O '63.

Soviet athletes' struggle for world championship in sports during the completion of the building of socialism in the U. S. S. R. (1946-1958). N. N. Bugrov. Teor. i prak. fiz. kul't. 26 no. 8:63-66 Ag '63.

Sports for the masses and the masters. A. Skvortsov. Voen. znan. 39 no. 9 3-4 S '63.

Sports of our tomorrow. A. Svetov. Znan.-sila 38 no. 3:36-37 Mr '63.

Surprises will be there! G. Elenskii. Smena 40 no. 15: 29-31 Ag '63.

Thirty-fifth anniversary of the [illegible]. Kiadv. A. B. Sundi. Teor. i prak. [illegible]. 13-17 Ag '63.

Under the flag of the Spartakiada. [illegible]. Znan. 39 no. 9 15-16 S '63.

A valuable study. I. G. Vinogradova. [illegible]. Kul't. 26 no. 8, 76 Ag '63.

Wings of sports. Smena 40 no. 15 [illegible]

SPORTS—EQUIPMENT AND SUPPLIES

Mechanic dynamometer MD-1. V. I. [illegible]. Izobretatel', Zh. Gobiki. [illegible]. Fiz. kul't. [illegible] no. 6:75 Ag '63.

Reflexometer with a plane screen and [illegible] ing the speed of motor reaction in athletes. Yu. Verkhade, IU. IA. Kiselev. Teor. i prak. [illegible] no. 8:37-39 Ag '63.

SPORTS—ORGANIZATION AND ADMINISTRATION
subdivision under Leningrad

SPORTS JOURNALISM

The journalist in the stadium. Sh. Mel'[illegible]. pech. no. 10 27-28 O '63.

SPORTS MEDICINE

[Medical observations on sportsmen in the process of training] Vrachebnye nabliudeniia za sportsmenami v protsesse trenirovki. Red. kollegiia: D. P. [illegible]. Moskva, Izd-vo "Fizkul'tura i sport," [illegible]. (DNLM)

Treatment of traumas of the locomotor apparatus by local injections of hydrocortisone. N. [illegible] nova, R. I. Merkulova. Ortop., travm. i [illegible] 43-48 '63.

SPORTS MEDICINE—CONGRESSES

First conference of the specialized commission on medicine. A. A. Sokolov. Teor. i prak. [illegible] no. 8:59-62 Ag '63.

Practical research conference on physiology of sports, medical control and medical [illegible]. A. A. Vozilla. Teor. i prak. fiz. kul't. [illegible] Ag '63.

SPORTS OFFICIATING

At a judges' seminar. I. Khottinskii, V. [illegible]. Znan. 39 no. 9 28 S '63.

SPRAY PAINTING, ELECTROSTATIC

Electric properties of paint materials and the conditions of their spraying in the electric field. Vladychina, S. N. Serebrinnikov, A. I. [illegible]. Lakokras. mat. i ikh prim. no. [illegible]

Experience in the use of the electrostatic spraying method for varnishing heat chairs in the Moscow Furniture Factory No. 5. R. L. Gorshunova. Lakokras. mat. i ikh prim. no. 4, 73-77 '63.

Use of slot sprayers for industrial painting in the field. V. L. Gots, O. B. Mal'ko, N. I. [illegible]. Lakokras. mat. i ikh prim. no. 1 [illegible] '63.

SPRAYING AND DUSTING EQUIPMENT
(see also subdivision under Yoshkar-Ola)

Aerosol generator mounted on a tractor. [illegible]. Zashch. rast. ot vred. i bol. 8 no. 4, 11 Ap '63.

Centrifugal atomizer with controlled dispersion. TSitsiv, B. V. Ilabakh. Zashch. rast. ot vred. i bol. no. 9:22-24 S '63.

Effective devices for the centrifugal dispersal of S. N. Ganz, I. E. Kuznetsov. Khim. sredstva [illegible] 1-6 S-O '63.

Liquid atomizers. A. I. Gugalo, A. A. [illegible]. Zashch. rast. ot vred. i bol. 8 no. 8:33-34 Ag '63.

Mechanized filling of orchard sprayers. IA. A. [illegible] khovych. Mekh. sil'. hosp. 14 no. 5:11 [illegible]

The modernized OV-3A vineyard sprayer. V. I. [illegible]. Trakht. i sel'khozmash. 33 no. 9:37 S '63.

New machinery for plant protection. G. P. [illegible]. Zashch. rast. ot vred. i bol. 8 no. 4:26 Ap '63.

The ORD diaphragm knapsack sprayer. V. V. [illegible]. Zashch. rast. ot vred. i bol. 8 no. 8:13-14 Ag '63.

The ORM knapsack bellows sprayer. V. V. [illegible]. Zashch. rast. ot vred. i bol. 8 no. 9:17-18 S '63.

Vineyard sprayers reconstructed by inventors and rationalizers. L. S. Nikolaenko. Zashch. rast. ot vred. i bol. 8 no. 9:24-25 S '63.

SPRAYING AND DUSTING IN AGRICULTURE
(see also subdivision under Krasnodar Territory)

Economic effectiveness of corn protection. M. A. [illegible] bov, V. G. Platonova. Zashch. rast. ot vred. i bol. no. 4:13 Ap '63.

Low-volume spraying of sugar beet and potato fields. IA. A. Meisakhovich. Zashch. rast. ot vred. i bol. no. 4:34-35 Ap '63.

Pyrotechnics in plant protection. N. N. Zaitlin. Zashch. rast. ot vred. i bol. 8 no. 9:60 S '63.

A simple method. S. P. Kochetov. Zashch. rast. ot vred. i bol. 8 no. 4:30 Ap '63.

Simple method of estimating. A. V. Dunikov, V. A. [illegible] nashevich. Zashch. rast. ot vred. i bol. 8 no. [illegible] S '63.

SPRAYING AND DUSTING IN AGRICULTURE (Continued)
Spraying herbicides by the method of lateral blasting. S. F. Prokopenko, V. S. Podshivalov, M. M. Kuz'mina. Zashch. rast. ot vred. i bol. 8 no. 4 36 Ap '63.

SPRAYING AND DUSTING IN AGRICULTURE—HYGIENIC ASPECTS
Kagan, IU. S. [Toxicity of phosphorus organic insecticides and work hygiene in their use] Toksikologiia fosfororganicheskikh inseknitsidov i gigiena truda pri ikh primenenii. Moskva, Medgiz, 1963. 324 p. (DNLM)

SPRAYING AND DUSTING IN AGRICULTURE—LABOR PRODUCTIVITY
Exemplary work norms in plant protection. A. P. Chernin. Zashch. rast. ot vred. i bol. 8 no. 1:39-41 Ap '63.

SPRAYING AND DUSTING IN FORESTRY
Using aerosols in forests of the taiga zone. G. V. Stadnitskii. Les. khoz. 16 no. 3:37-38 Mr '63.

SPRING BEAUTY
Morphology of pollen grains of the genus Claytonia Gronov. and related genera. L. A. Aleshina. Bot. zhur. 48 no. 8:1194-1199 Ag '63.

SPRINGS (MECHANISM)
Revising the standard for thrust rings. F. A. Moskalenko. Standartizatsiia 27 no. 9:16-17 S '63.

SPRUCE
(see also subdivision under Alma-Ata, Alma-Ata Province, Komi A.S.S.R.)
Role of the young spruce growth in the development of spruce hardwood stands. M. N. Prokop'ev. Le. khoz. 16 no. 3:8-11 Mr '63.
Spruce seed reserves in the litter. S. P. Uskov. Les. khoz. 16 no. 7:87 Jl '63.

SPYCHALSKI, MARIAN, 1906-
Marian Spychalski. Nov. vrem. 21 no. 42:4 O '63.

STABILITY
Application of the method of mixed matrices to the solution of problems of stability of rods during the action of leading loads. A. Kh. Vatul'ian. Trudy NPI 136:73-81 '63.
Stability of plane bending of thin-section rods. P. D. Mishchenko. Trudy NPI 136:57-62 '63.
Stability of rods during displacement. P. D. Mishchenko. Trudy NPI 136:85-88 '63.

STABILITY OF SHIPS
Applying the method of least squares in the experimental determination of initial stability. V. V. Ashik. Sudostroenie 29 no. 8:21-26 Ag '63.
Stabilization of ships on rough seas. A. N. Shmyrev. Sbor. stud. 16 no. 8:71-78 Ap '63.

STACHYBOTRYS
(see also subdivision under Khmel'nitskiy Province)
Stachybotryotoxicosis in swine. V. A. Koshevoi. Veterinariia 39 no. 9:32-33 S '62.

STAINS AND STAINING (MICROSCOPY)
Gramenitskii, F. M. [Vital staining of cells and tissues under normal conditions and in pathology] Prizhiznennaia okraska kletok i tkanei v norme i patologii. Leningrad, Medgiz, 1963. 149 p. (DNLM)

STALIN, IOSIF, 1879-1953
In the memorable role of protectors of the personality cult. B. Leibzon. Part. zhizn' no. 20:16-23 O '63.

STALINO see Donetsk

STALINO PROVINCE see Donetsk Province

STAMMERING
Prevention of stammering (to be continued). B. Drapkin, I. Gann. Nauka i zhizn' 30 no. 5:55-57 My '63.

STANDARDIZATION
(see also subdivision under Caucasus, Northern, Estonia, Europe, Eastern; Latvia)
Development of standardization is an important trend in technical progress. Vest. mashinostr. 43 no. 9:3-6 S '63.
Manual on standardization. A. A. Kokhtev. Standartizatsiia 27 no. 9:37-38 S '63.
Material responsibility for the violation of standards. B. L. Sokolov. Standartizatsiia 27 no. 9:47 S '63.
Recommendations of the International Standardization Organization. K. D. Nikonov. Standartizatsiia 27 no. 9:52-56 S '63.
Standardization and unification are the important conditions for the economy of communal labor. A. Viatkin. Sots. trud 8 no. 9:12-19 S '63.

STANDARDIZATION—BIBLIOGRAPHY see Bibliography—Standardization

STANDARDS, ENGINEERING
Foreign standards. Standartizatsiia 27 no. 9:60-64 S '63.

STANDARDS, MILITARY
Color-bearer. D. Akovlev. Voen. znan. 39 no. 9:10 S '63.

STANISLAV PROVINCE—ANTIQUITIES
Sarmatian burial near the Ostrovets village, Stanislav Province. M. IU. Smishko. Mat. i dosl. z arkheol. Prikarp. i Vol. no. 1:51-70 '62.

STANISLAV PROVINCE—SARMATIANS
Sarmatian burial near the Ostrovets village, Stanislav Province. M. IU. Smishko. Mat. i dosl. z arkheol. Prikarp. i Vol. no. 1:51-70 '62.

STAPHYLOCOCCAL DISEASE
Experimental subacute septic endocarditis [with summary in English]. N. N. Kuznetsovskii. Pat. fiziol. i eksp. terap. 7 no. 2:85-10 Mr-Ap '63.

STAPHYLOCOCCUS
Action of some antitumor antibiotics on the synthesis of nucleic acids in the cells of staphylococci [with summary in English]. A. V. Laiko. Antibiotiki 7 no. 7:601-605 Jl '62.
Problem of the synthesis of para-aminobenzoic acid by Mycobacterium tuberculosis and Staphylococcus albus [with summary in English]. I. M. Sovetova. Zhur. mikrobiol., epid. i immun. 10 no. 1:25-28 '63.

STARA PLANINA—FOREST SOILS
Characteristics of soils in the beech belt on the northern slope of the Stara Planina mountain range [with summary in English]. D. I. Popnikov, D. I. Gorelkov. Izv. TSKHA no. 2:79-84 '63.

STARCH
Certain data on the adsorption properties of starch [with summary in English]. V. I. Nazarov, T. I. Sukhorukova. Kolloid. zhur. 25 no. 5:578-580 S-O '63.
Technical and scientific conference. Spirt. prom. 28 no. 6:46 '62.

STARCH INDUSTRY—BY-PRODUCTS
Industrial plant for the production of feed biomycin. A. N. Vernyi, B. IA. Gofshtein. Spirt. prom. 29 no. 6:31-32 '63.

STARS—ATMOSPHERES
Atmospheres of class F stars. Part 4. Hydrogen lines [with summary in English]. M. E. Boiarchuk. Izv. Krym. astrofiz. observ. 29:230-250 '63.
Quantitative analysis of the atmosphere of Sirius. Part 2. Detailed chemical analysis of the atmosphere [with summary in English]. A. A. Boiarchuk. Izv. Krym. astrofiz. observ. 29:219-236 '63.

STARS—CATALOGS
Calculating the orientation elements of the fundamental catalogs from lunar observations [with summary in English]. D. P. Duma. Dop. AN URSR no. 9:1011-1015 '63.

STARS—OBSERVATIONS
(see also subdivision under Baku)
Comparison of the astroclimatic characteristics of two points. G. V. Akhundova and others. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 2:91-102 '63.

STARS—PROPER MOTION
Periodic motions of stars in heterogeneous ellipsoidal stellar systems [with summary in English]. V. K. Abalakin. Biul. Inst. teor. astron. 9 no. 3:204-212 '63.

STARS—RADIATION
Some processes of neutrino pair production in stars [with summary in English]. V. S. Pinaev. Zhur. eksp. i teor. fiz. 45 no. 3:548-554 S '63.

STARS—SPECTRA
More exact definition of the spectral pattern of OIII utilized in calculating its recombination spectrum in stars and nebulae. A. A. Nikitin. Dokl. AN SSSR 151 no. 6:1306-1307 Ag '63.
Quantitative spectral classification of "Metallic" stars [with summary in English]. I. M. Kopylov, T. S. Beliakina, E. A. Vitrichenko. Izv. Krym. astrofiz. obser. 29:181-218 '63.
Spectrophotometric study of Be stars with very thick envelopes [with summary in English]. A. A. Boiarchuk, I. I. Pronik. Izv. Krym. astrofiz. obser. 29:268-277 '63.

STARS, NEW—SPECTRA
Spectrophotometric study of Nova Herculis, 1960 II [with summary in English]. V. V. Prokof'eva, T. S. Beliakina. Izv. Krym. astrofiz. obser. 29:278-290 '63.

STARS, VARIABLE—SPECTRA
Spectrophotometric study of ε Aurigae during occultation, 1955-1957 [with summary in English]. I. M. Kopylov, R. N. Kumaigorodskaia. Izv. Krym. astrofiz. obser. 29:251-267 '63.

STARVATION
Change in the leucocyte count of the blood following a total prolonged alimentary starvation and subsequent feeding in man [with summary in English]. IU. L. Shapiro. Pat. fiziol. i eksp. terap. 7 no. 1:39-44 Ja-F '63.

STASHKOV, NIKOLAI IVANOVICH, 1907-1943
Secretary of an underground regional committee. Z. Politov. Mol. komm. no. 6:70-75 Je '63.

STATE FARMS
(see also subdivision under Kazakhstan; Kustanay Province, Kuybyshev Province, Turkmenistan, Zharminskiy District)
They were able to do it in Toida. N. Khabarova. Ogonek 41 no. 10:6-7 S '63.

STATE FARMS—ACCOUNTING
Accountant, buy this book! S. T. Grigor'ev. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7:15-16 Jl '63.
Business accounting on a state farm is the path to working without loss. N. V. Urkalov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7:25 Jl '63.
Zootechnical accounting where loose housing for cows is in effect. O. N. Kulikov, S. M. Lisovik. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7:6-10 Jl '63.

STATE FARMS—ACCOUNTING—PROBLEMS, EXERCISES, ETC.
Gubin, A. F., and D. S. Dashkovskii. [Problem in journal-voucher accounting on state farms] Zadachа po bukhgalterskomu uchetu v sovkhozakh po zhurnal'no-ordernoi forme schetovodstva. Moskva, Gosstatizdat, 1963. 67 p.

STATE FARMS—AUDITING AND INSPECTION see subdivision under Labinsk District

STATE FARMS—FINANCE
"Ust-Urt," a highly profitable farm. L. Korsunskii, D. Arimov. Nat. khoz. Uzb. 5 no. 9:40-45 S '63.
What prevents the state farm from working profitably. V. IA. Vorob'ev. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7:30-32 Jl '63.

STATE FARMS—MANAGEMENT
(see also subdivision under Kharkov Province, Yalutorovsk District)
Ready for publication. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7:46-47 Jl '63.

STAVROPOL—ECONOMIC CONDITIONS
Youth of an old town. Nikolai Koshelev. Kul't. i zhizn' 7 no. 11:14-15 '63.

STAVROPOL—RUBBER, SYNTHETIC
Flagship of large-scale chemistry. A. Pavorkov. Sov. voin 45 no. 18:16 S '63.

STAVROPOL TERRITORY—AGRICULTURE—STUDY AND TEACHING
Three-year plan of work training. V. D. Fateev. Shkola i proizv. 7 no. 9:20 S '63.

STAVROPOL UPLAND—GAS, NATURAL—GEOLOGY
Studying the Khadum horizon of the Stavropol Plateau; geotectonic conditions, lithofacies, and oil and gas potentials. B. K. Lotiev, M. N. Smirnova. Izv. vys. ucheb. zav., neft' i gaz 4 no. 3,9-12 '61

STAVROPOL UPLAND—PETROLEUM GEOLOGY
Studying the Khadum horizon of the Stavropol Plateau; geotectonic conditions, lithofacies, and oil and gas potentials. B. K. Lotiev, M. N. Smirnova. Izv. vys. ucheb. zav., neft' i gaz 4 no. 3:9-12 '61

STAVROPOL TERRITORY—ANTIBIOTICS
Producing native antibiotics by open submerged fermentation. A. I. Nefed'ev, N. E. Gavrish, V. D. Kolliada. Veterinariia 39 no. 11:72-73 N '62.

STAVROPOL TERRITORY—BANKS AND BANKING
From the practice of bank work with intercollective farm organizations. G. Uglanitsa, I. Artemenko. Den. i kred. 21 no. 10:52-56 O '63.

STAVROPOL TERRITORY—COLLECTIVE FARMS—INTERFARM COOPERATION
From the practice of bank work with intercollective farm organizations. G. Uglanitsa, I. Artemenko. Den. i kred. 21 no. 10:52-56 O '63.

STAVROPOL TERRITORY—VETERINARY MATERIA MEDICA AND PHARMACY
Producing native antibiotics by open submerged fermentation. A. I. Nefed'ev, N. E. Gavrish, V. D. Kolliada. Veterinariia 39 no. 11:72-73 N '62.

STAVROPOL TERRITORY—WEED CONTROL
Practices in weed control in Stavropol Territory. A. M. Parliuk. Zashch. rast. ot vred. i bol. 8 no. 4:47-48 Ap '63.

STEAM—COOLING
Processes and principles of the designing of injector-type steam coolers. B. N. Puganov, I. E. Semeovker. Teploenergetika 10 no. 9:35-39 S '63.

SPECTRUM ANALYSIS (Continued)

[illegible] Ogurtsov, V. L. Gavrilenko, [illegible] 150-2133 S '63

[illegible] F. Kuchaev, [illegible] Mekh. i elektrom. 2 fasc. [illegible] 3

On the [illegible] of spectral transitions in the [illegible] Bobashkin, M. Z. Kabo, [illegible] Opt. i spektr. 15 no. 3 432-434 S '63

SPERANSKII, ALEKSEI DMITRIEVICH, 1888-1961

[illegible] D. Speranskii [illegible] Pat. fiziol. i eksp. terap. 7 no. 6 91 N-D '63

SPERM WHALE

[illegible] sperm whale and fin whale. [illegible] Vest. Mosk. un-ta. Biol., pochv. 18 no. 5 20-21 S-O '63

SPHAGNUM see subdivision under Kenda-Sos'va Preserve

SPHENE see subdivision under Ulakhan-Betuotuya Valley

SPILLWAYS

[illegible] Dnepr-Dnestrovsk sluice-spillway. G. A. Arkhartsumian. Izv. AN Armyan. SSR. Ser. tekh. nauk 16 no. 4 41-43 '63

SPINAL ANESTHESIA

[illegible] the [illegible] of epidural anesthesia in [illegible] surgery. V. N. Medvedeva, Yaroshevskaia. [illegible] 2 26-31 '63.

SPINAL CORD

[illegible] changes of the central nervous system. I. V. [illegible] Pat. fiziol. i eksp. terap. 7 no. 1 79-81 Ja-F '63

SPINAL CORD—DISEASES

Pathological disorders in reflex nervous of the spinal cord [illegible] temporary occlusion of the abdominal aorta [illegible] [with summary in English]. G. G. Pyatkin [illegible]. Pat. fiziol. i eksp. terap. 7 no. 2 34-38 Mr-Ap '63

SPINE—ABNORMITIES AND DEFORMITIES

Pneumatic devices in a corset for the correction of lateral spinal curvatures; preliminary report. M. N. Poloskin. Ortop., travm. i protez. 24 no. 2 73-77 F '63.

Role of the [illegible] in the development of the spine. F. L. Velikii. Pediatriia 42 no. 1 66 Ja '63

SPINE—SURGERY

Hemangiomas of the spine. S. S. Sharmanian. Zhur. eksp. i klin. med. 3 no. 1 3-9 '63.

[Multi-volume manual on surgery] Mnogotomnoe rukovodstvo po khirurgii. Moskva, Medgiz.

Vol. 4. Egorov, B. G., ed. [Neurosurgery, the sequelae of lesions of the central nervous system. Diseases of the spine, the spinal cord and its membranes. Diseases of the vegetative nervous system] Mirokhirurgiia; posledstviia povrezhdenii tsentral'noi nervnoi sistemy. Zabolevaniia pozvonochnika, spinnogo mozga i ego obolochek. Zabolevaniia vegetativnoi nervnoi sistemy. 1963. 667 p.

(DNLM)

SPINE—TUMORS

Hemangiomas of the spine. S. S. Sharmanian. Zhur. eksp. i klin. med. 3 no. 1 3-9 '63

SPINEL GROUP—THERMAL PROPERTIES

Heat conductivity of chrome spinelide. I. I. Vishnevskii, A. S. Frenkel', V. N. Shtrpak. Fiz. tver. tela 5 no. 9 2691-2697 S '63.

SPINNING

Principles for the composition of blends in flax spinning. S. E. Lazarenia. Nauch.-issl. trudy TSNIILV 16 50-99 '63.

SPINNING—BIBLIOGRAPHY see Bibliography—Spinning

SPINNING MACHINERY

Continuous line for the preparation of short jute fibers for spinning. L. V. Zavialova. Nauch.-issl. trudy TSNIILV 17 98-113 '62

Double-layer elastic rubber coatings. V. N. Storozhenko, N. G. Kaipova. Tekst. prom. 23 no. 9 52-53 S '63

Galette disk pins made of high-alumina ceramics. T. M. Kulikova, G. V. Talaeva, S. P. Lipanskii. Khim. volok. no. 5 67-68 '63.

Machine for suction and recovery of caprolactam vapors. V. I. Rodionov. Khim. volok. no. 3 64-67 '63.

The PS-105-L ring spinner. S. V. Scholev. Byul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8 45-46 '63.

SPINNING MACHINERY—MAINTENANCE AND REPAIR

Polushkin, A. A., and V. A. Gakel'. [Maintenance and repair of cotton-spinning machines] Remont mashin khlopkopriadil'nogo proizvodstva. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1963. 166 p.

SPINNING MACHINERY—TESTING

Computing the technological efficiency of high-speed ring frames with 6 mm and 9 mm diameter combs. Z. A. Lisovik, K. D. Aleksandrovich. Nauch.-issl. trudy TSNIILV 16 118-126 '62.

SPINOR ANALYSIS

Theory of a neutral vector field with spin 1 [with summary in English]. V. I. Ogievetskii, I. V. Polubarinov. Zhur. eksp. i teor. fiz. 45 no. 1 709-713 S '63.

SPLEEN

Effect of the spleen on the liver in some pathological states. L. I. Geller. Pat. fiziol. i eksp. terap. 7 no. 2 66-67 Mr-Ap '63

Humoral influences of the spleen on the bone marrow in lesions caused by ionizing radiation and benzene [with summary in English]. L. I. Geller. Pat. fiziol. i eksp. terap. 7 no. 1 65-70 Ja-F '63

SPLEEN—INNERVATION

Effect of the stimulation of the vascular receptors of the spleen by F. A. Asratian and A. P. Polosukhin's anti-shock fluids on blood pressure and respiration. Zh. B. Nildabaeva. Izv. AN Kazakh. SSR. Ser. med. nauk no. 1 7-11 '63

SPLEEN—SURGERY

Splenectomy in patients with liver cirrhosis. A. F. Semashkina. Vest. khir. 90 no. 3 110-111 Mr '63

SPLENIC VEIN see Splenoportography

SPLENIN

Use of splenin in the treatment of patients with chronic hepatitis and liver cirrhosis [with summary in English]. N. N. Apletova. Vrach. delo no. 9 26-30 S '63

SPLENOPORTOGRAPHY

Diagnosis of dilatation of the esophageal veins in portal hypertension [with summary in English]. M. A. Ashinava, G. K. Kartskhia. Vest. rent. i rad. 38 no. 1 31-35 Ja-F '63

Portal hypertension of hepatic origin combined with thrombosis in the portal vein system [with summary in English]. L. S. Matveeva, V. P. Gorbatenko. Vest. rent. i rad. 38 no. 1 37-40 Ja-F '63

SPLINTS (SURGERY)

Plaster and epoxide splints. I. M. Varshavskii. Ortop., travm. i protez. 24 no. 2 73 F '63.

Splint for the treatment of Volkmann's ischemic contracture of the wrist and fingers. P. IA. Fishchenko. Ortop., travm. i protez. no. 1 81-83 '63

SPORANGIUM

Genesis of male sporangia in Gramineae and Ericaceae [with summary in English]. T. B. Batygina and others. Bot. zhur. 48 no. 8 1108-1120 Ag '63

SPORES (BOTANY)

Consider the viability of spores. E. I. Sidenko. Zashch. rast. ot vred. i bol. 8 no. 8:15 Ag '63.

SPORTS

(see also subdivision under Hungary, Moscow)

All-Union review of the Soviet physical culture movement. Teor. i prak. fiz. kul't. 26 no. 8:7-12 Ag '63.

Baptism of fire. V. Dairedzhev. Smena 40 no. 15:30-31 Ag '63.

Educational significance of sports traditions. M. I. Terekhova. Teor. i prak. fiz. kul't. 26 no. 8:40-44 Ag '63.

Mosaic of Spartakiadas. Smena 40 no. 18 24-25 S '63.

Racism and the physical development of man. S. IA. Chilin. Teor. i prak. fiz. kul't. 26 no. 8:56-59 Ag '63.

Kuleshov, A. [Reactionary nature of bourgeois sports; a lecture] O reaktsionnoi sushchnosti burzhuaznogo sporta, lektsiia. Moskva, Izd-vo "Fizkul'tura i sport," 1963. 34 p. (Bibliotechka propagandista fizicheskoi kul'tury i sporta)

Salute to the Third Spartakiada of the peoples of the U. S. S. R. Teor. i prak. fiz. kul't. 26 no. 8:12 Ag '63.

Soccer players on wheels. A. Ivanov, IA. Rumkin. Ogonek 41 no. 41:26-27 O '63.

Soviet athletes' struggle for world championship in sports during the completion of the building of socialism in the U. S. S. R. (1946-1958). N. N. Bugrov. Teor. i prak. fiz. kul't. 26 no. 8:63-66 Ag '63.

Sports for the masses and the masters. A. Skvortsov. Voen. znan. 39 no. 9:3-4 S '63.

Sports of our tomorrow. A. Svetov. Znan.-sila 38 no. 9:35-37 Mr '63.

Surprises will be there! G. Elenskii. Smena 40 no. 15: 29-31 Ag '63.

Thirty-fifth anniversary of the [illegible] Riada. A. B. Sunil. [illegible] 13-17 Ag '63.

Under the flag of the Spartakiads. [illegible] znan. 39 no. 9 15-16 S '63.

A valuable study. I. G. Vinogradov [illegible] kul't. 26 no. 8:26 Ag '63.

Wings of sport. Smena 40 no. 15 [illegible]

SPORTS—EQUIPMENT AND SUPPLIES

Mechanic dynamometer MD-1. [illegible] lezniakiem, Z. Gobilka. [illegible] no. 6:79 [illegible]

Reflexometer with a plane screen and [illegible] the speed of motor reaction. [illegible] Vaikhanu, IU. IA. Kruglov. [illegible] no. 8:37-39 Ag '63.

SPORTS—ORGANIZATION AND ADMINISTRATION

subdivision under Leningrad

SPORTS JOURNALISM

The journalist in the stadium. Sb. Moskva [illegible] pech. no. 10 27-28 O '63.

SPORTS MEDICINE

[Medical observations on sportsmen in the training] Vrachebnye nabliudeniia [illegible] protsesse trenirovki. Red. kollegiia [illegible] dr. Moskva, Izd-vo "Fizkul'tura i sport" (DNLM)

Treatment of traumas of the locomotor [illegible] leles by local injections of hydrocortisone, R. I. Merkulova. Ortop. [illegible] 43-48 '63

SPORTS MEDICINE—CONGRESSES

First conference of the Socialist countries' medicine. A. A. Sokolov. [illegible] no. 8:59-62 Ag '63.

Practical research conference on physical sports, medical control and medical [illegible] A. A. Vorob'ev. Teor. i prak. fiz. kul't. Ag '63.

SPORTS OFFICIATING

At a judges' seminar. B. Khotinskii. [illegible] znan. 39 no. 9 28 S '63.

SPRAY PAINTING, ELECTROSTATIC

Electric properties of paint materials [illegible] conditions of their spraying in the electric [illegible] Vladychina, S. N. Sorokin-Lantsov, A. [illegible] Lakokras. mat. i ikh prim. no. 1 [illegible]

Experience in the use of the electrostatic method for varnishing bent [illegible] in the furniture factory No. 5. R. I. Gorbunova. [illegible] ikh prim. no. 1 73-74 '63.

Use of slot sprayers for industrial painting in the field. V. I. Gots, O. B. Maul'ke, [illegible] kras. mat. i ikh prim. no. 1 62-66 '63.

SPRAYING AND DUSTING EQUIPMENT

(see also subdivision under Yoshkar-Ola)

Aerosol generator mounted on a tractor. [illegible] Zashch. rast. ot vred. i bol. 8 no. 10 [illegible]

Centrifugal atomizer with controlled [illegible] TSitsiev, B. V. Iakhakh. Zashch. rast. ot [illegible] no. 9:22-24 S '63.

Effective devices for the centrifugal dispersion. S. N. Ganz, L. D. Kuznetsov. Khim. [illegible] 4-6 S-O '63.

Liquid atomizers. A. I. Gugalo, A. A. [illegible] rast. ot vred. i bol. 8 no. 8:33-34 Ag [illegible]

Mechanized filling of orchard sprayers. [illegible] khovych. Mekh. sil'khozp. 13 no. 8:11 [illegible]

The modernized OV-3A vineyard sprayer. V. [illegible] Traktt. i sel'khozmash. 33 no. 9 37 S '63.

New machinery for plant protection. G. P. [illegible] Zashch. rast. ot vred. i bol. 8 no. 1:5 [illegible]

The ORD diaphragm knapsack sprayer. V. S. Zashch. rast. ot vred. i bol. 8 no. 8:11-13 [illegible]

The ORM knapsack hollow sprayer. V. V. [illegible] Zashch. rast. ot vred. i bol. 8 no. [illegible]

Vineyard sprayers reconstructed by rural [illegible] promoters. L. S. Nikolaenko. Zashch. [illegible] bol. 8 no. 9:24-25 S '63.

SPRAYING AND DUSTING IN AGRICULTURE

(see also subdivision under Krasnodar Territory)

Economic effectiveness of corn protection. [illegible] bov, V. G. Platonova. Zashch. rast. ot vred. [illegible] no. 4:13 Ap '63.

Low-volume spraying of sugar beet and potato [illegible] IA. A. Meisakhovich. Zashch. rast. ot vred. i [illegible] no. 4:34-35 Ap '63.

Pyrotechnics in plant protection. N. N. Zubkov. [illegible] rast. ot vred. i bol. 8 no. 9:29 S '63.

A simple method. S. P. Kochetov. Zashch. rast. [illegible] i bol. 8 no. 4:30 Ap '63.

Simple method of estimating. A. V. Tunikov, [illegible] nashevich. Zashch. rast. ot vred. i bol. [illegible] S '63.

SPRAYING AND DUSTING IN AGRICULTURE (Continued)

Spraying herbicides by the method of lateral blasting. S. F. Protopenko, V. S. Podshivalov, M. M. Kuz'mina. Zashch. rast. ot vred. i bol. 8 no. 1,36 Ap '63.

SPRAYING AND DUSTING IN AGRICULTURE—HYGIENIC ASPECTS

Kagan, Iu. S. [Toxicity of phosphorus organic insecticides and work hygiene in their use] Toksikologiia fosforoorganicheskikh insektitsidov i gigiena truda pri ikh primenenii. Moskva, Medgiz, 1963. 324 p. (DNLM)

SPRAYING AND DUSTING IN AGRICULTURE—LABOR PRODUCTIVITY

Exemplary work norms in plant protection. A. F. Chenkin. Zashch. rast. ot vred. i bol. 8 no. 4:40-41 Ap '63.

SPRAYING AND DUSTING IN FORESTRY

Using aerosols in forests of the taiga zone. G. V. Stadnitskii. Les. khoz. 16 no. 3:37-38 Mr '63.

SPRING BEAUTY

Morphology of pollen grains of the genus Claytonia Gronov. and related genera. L. A. Alekhina. Bot. zhur. 48 no. 8:1191-1196 Ag '63.

SPRINGS (MECHANISM)

Reviewing the standard for thrust rings. F. A. Moskalenko. Standartizatsiia 27 no. 6:16-17 S '63.

SPRUCE

(see also subdivision under Alma-Ata, Alma-Ata Province; Komi A. S. S. R.)

Role of the young spruce growth in the development of spruce-hardwood stands. M. N. Prokop'ev. Les. khoz. 16 no. 3:9-11 Mr '63.

Spruce seed reserves in the litter. S. P. Uslov. Les. khoz. 16 no. 7:87 Jl '63.

SPYCHALSKI, MARIAN, 1906-

Marian Spychalski. Nov. vrem. 21 no. 42:4 O '63.

STABILITY

Application of the method of mixed matrices to the solution of problems of stability of rods during the action of tracing loads. A. Kh. Vatulian. Trudy NPI 136:73-84 '63.

Stability of plane bending of thin-section rods. P. D. Mishchenko. Trudy NPI 136:57-62 '63.

Stability of rods during displacement. P. D. Mishchenko. Trudy NPI 136:85-88 '63.

STABILITY OF SHIPS

Applying the method of least squares in the experimental determination of initial stability. V. V. Ashik. Sudostroenie 29 no. 8:24-26 Ag '63.

Stabilization of ships on rough seas. A. N. Shmyrev. Mor. sbor. 46 no. 8:74-78 Ag '63.

STACHYBOTRYS

(see also subdivision under Khmel'nitskiy Province)

Stachybotryotoxicosis in swine. V. A. Koshevoi. Veterinariia 39 no. 9:32-33 S '62.

STAINS AND STAINING (MICROSCOPY)

Gramenitskii, E. M. [Vital staining of cells and tissues under normal conditions and in pathology] Prizhiznennaia okraska kletok i tkanei v norme i patologii. Leningrad, Medgiz, 1963. 149 p. (DNLM)

STALIN, IOSIF, 1879-1953

In the unenviable role of protectors of the personality cult. B. Leibzon. Part. zhizn' no. 20:16-23 O '63.

STALINO see Donetsk

STALINO PROVINCE see Donetsk Province

STAMMERING

Prevention of stammering (to be continued). B. Drapkin, I. Garn. Nauka i zhizn' 30 no. 5:55-57 My '63.

STANDARDIZATION

(see also subdivision under Caucasus, Northern, Estonia; Europe, Eastern, Latvia)

Development of standardization is an important trend in technical progress. Vest. mashinostr. 43 no. 9:3-6 S '63.

Manual on standardization. A. A. Kokhtev. Standartizatsiia 27 no. 9:57-58 S '63.

Material responsibility for the violation of standards. B. L. Sokolov. Standartizatsiia 27 no. 9:47 S '63.

Recommendations of the International Standardization Organization. K. D. Nikonov. Standartizatsiia 27 no. 9:52-56 S '63.

Standardization and unification are the important conditions for the economy of communal labor. A. Viatkin. Sots. trud 8 no. 8:12-18 S '63.

STANDARDIZATION—BIBLIOGRAPHY see Bibliography—Standardization

STANDARDS, ENGINEERING

Foreign standards. Standartizatsiia 27 no. 9:60-61 S '63.

STANDARDS, MILITARY

Color-bearer. D. IAkovlev. Voen. znan. 39 no. 9:10 S '63.

STANISLAV PROVINCE—ANTIQUITIES

Sarmatian burial near the Ostrovets village, Stanislav Province. M. IU. Smishko. Mat. i dosl. z arkheol. Prikarp. i Vol. no. 4:54-70 '62.

STANISLAV PROVINCE—SARMATIANS

Sarmatian burial near the Ostrovets village, Stanislav Province. M. IU. Smishko. Mat. i dosl. z arkheol. Prikarp. i Vol. no. 4:54-70 '62.

STAPHYLOCOCCAL DISEASE

Experimental subacute septic endocarditis [with summary in English] N. N. Kuznetsovskii. Pat. fiziol. i eksp. terap. 7 no. 2:38-40 Mr-Ap '63.

STAPHYLOCOCCUS

Action of some antitumor antibiotics on the synthesis of nucleic acids in the cells of staphylococci [with summary in English]. A. V. Laiko. Antibiotiki 7 no. 7:601-605 Jl '62.

Problem of the synthesis of para-aminobenzoic acid by Mycobacterium tuberculosis and Staphylococcus albus [with summary in English] I. M. Svetova. Zhur. mikrobiol., epid. i immun. 10 no. 1:25-28 '63.

STARA PLANINA—FOREST SOILS

Characteristics of soils in the beech belt on the northern slope of the Stara Planina mountain range [with summary in English]. D. I. Popazov, D. I. Gorelkov. Izv. TSKHA no. 2:72-81 '63.

STARCH

Certain data on the adsorption properties of starch [with summary in English]. V. I. Nazarov, I. I. Sukhorukova. Koll. zhur. 25 no. 5:578-580 S-O '63.

Technical and scientific conference. Spirt. prom. 29 no. 6:16 '62.

STARCH INDUSTRY—BY-PRODUCTS

Industrial plant for the production of feed biomycin. V. N. Vernyi, B. IA. Gofshtein. Spirt. prom. 29 no. 6:31-32 '63.

STARS—ATMOSPHERES

Atmospheres of class F stars. Part 1. Hydrogen lines [with summary in English]. M. I. Bolarchuk. Izv. Krym. astrofiz. obser. 29:239-250 '63.

Quantitative analysis of the atmosphere of Sirius. Part 2. Detailed chemical analysis of the atmosphere [with summary in English]. A. A. Bolarchuk. Izv. Krym. astrofiz. obser. 29:219-238 '63.

STARS—CATALOGS

Calculating the orientation elements of the fundamental catalogs from lunar observations [with summary in English]. D. P. Duma. Dop. AN URSR no. 6:1041-1045 '63.

STARS—OBSERVATIONS

(see also subdivision under Baku)

Comparison of the astroclimatic characteristics of two points. G. V. Akhundova and others. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekh. nauk no. 2:91-102 '63.

STARS—PROPER MOTION

Periodic motions of stars in heterogeneous ellipsoidal stellar systems [with summary in English]. V. K. Abalakin. Biul. Inst. teor. astron. 9 no. 3:204-212 '63.

STARS—RADIATION

Some processes of neutrino pair production in stars [with summary in English]. V. S. Pinaev. Zhur. eksp. i teor. fiz. 45 no. 3:548-554 S '63.

STARS—SPECTRA

More exact definition of the spectral pattern of OIII utilized in calculating its recombination spectrum in stars and nebulae. A. A. Nikitin. Dokl. AN SSSR 151 no. 6:1306-1307 Ag '63.

Quantitative spectral classification of "Metallic" stars [with summary in English]. I. M. Kopylov, T. S. Bellakina, L. A. Vitrichenko. Izv. Krym. astrofiz. obser. 29:181-218 '63.

Spectrophotometric study of Be stars with very thick envelopes [with summary in English]. A. A. Bolarchuk, I. I. Pronik. Izv. Krym. astrofiz. obser. 29:268-277 '63.

STARS, NEW—SPECTRA

Spectrophotometric study of Nova Herculis, 1960 II [with summary in English]. V. V. Prokof'eva, T. S. Bellakina. Izv. Krym. astrofiz. obser. 29:278-290 '63.

STARS, VARIABLE—SPECTRA

Spectrophotometric study of ϵ Aurigae during occultation, 1955-1957 [with summary in English]. I. M. Kopylov, R. N. Kumaigorodskaia. Izv. Krym. astrofiz. obser. 29:251-267 '63.

STARVATION

Change in the leucocyte count of the blood following a total prolonged alimentary starvation and subsequent feeding in man [with summary in English] IU. L. Shapiro. Pat. fiziol. i eksp. terap. 7 no. 1:39-41 Ja-F '63.

STASHKOV, NIKOLAI IVANOVICH, 1907-1943

Secretary of an underground regional committee. Z. Politov. Mol. kommunist no. 6:70-75 Je '63.

STATE FARMS

(see also subdivision under Kazakhstan, Kustanay Province, Kuybyshev Province, Turkmenistan, Zharminskiy District)

They were able to do it in Tolda. N. Khrabrova. Oponk 11 no. 10:6-7 S '63.

STATE FARMS—ACCOUNTING

Accountant, buy this book! S. T. Grigor'ev. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7:45-46 Jl '63.

Business accounting on a state farm is the path to working without loss. N. V. Ukhalov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7:25 Jl '63.

Zootechnical accounting when a loose housing for cows is in effect. O. N. Kulikov, S. M. Lisovik. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7:6-10 Jl '63.

STATE FARMS—ACCOUNTING—PROBLEMS, EXERCISES, ETC.

Gubin, A. F., and D. S. Dashkovskii. [Problem in journal-voucher accounting on state farms] Zadacha po bukhgalterskomu uchetu v sovkhozakh po zhurnal'no-ordernoi forme schetovodstva. Moskva, Gosstatizdat, 1963. 67 p.

STATE FARMS—AUDITING AND INSPECTION see subdivision under Labinsk District

STATE FARMS—FINANCE

"Ust-Urt," a highly profitable farm. L. Korsunskii, D. Azimov. Nar. khoz. Uzb. 5 no. 9:10-15 S '63.

What prevents the state farm from working profitably. V. IA. Vorob'ev. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7:20-22 Jl '63.

STATE FARMS—MANAGEMENT

(see also subdivision under Kharkov Province, Yalutorovsk District)

Ready for publication. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7:46-47 Jl '63.

STAVROPOL—ECONOMIC CONDITIONS

Youth of an old town. Nikolai Koshelev. Kul't. i zhizn' 7 no. 1:11-15 '63.

STAVROPOL—RUBBER, SYNTHETIC

Flagship of large-scale chemistry. A. Pavozkov. Sov. voin. 45 no. 18:16 S '63.

STAVROPOL TERRITORY—AGRICULTURE—STUDY AND TEACHING

Three-year plan of work training. V. D. Fateev. Shkola i proizv. 7 no. 9:20 S '63.

STAVROPOL UPLAND—GAS, NATURAL—GEOLOGY

Studying the Khadum horizon of the Stavropol Plateau, geotectonic conditions, lithofacies, and oil and gas potentials. B. K. Lotiev, M. N. Smirnova. Izv. vys. ucheb. zav., neft' i gaz. 4 no. 8:9-12 '61.

STAVROPOL UPLAND—PETROLEUM GEOLOGY

Studying the Khadum horizon of the Stavropol Plateau; geotectonic conditions, lithofacies, and oil and gas potentials. B. K. Lotiev, M. N. Smirnova. Izv. vys. ucheb. zav., neft' i gaz. 4 no. 8:9-12 '61.

STAVROPOL TERRITORY—ANTIBIOTICS

Producing native antibiotics by open submerged fermentation. A. I. Nefed'ev, N. E. Gavrish, V. D. Kollada. Veterinariia 39 no. 11:72-73 N '62.

STAVROPOL TERRITORY—BANKS AND BANKING

From the practice of bank work with intercollective farm organizations. G. Uglichitsa, I. Artemenko. Den. i kred. 21 no. 10:52-56 O '63.

STAVROPOL TERRITORY—COLLECTIVE FARMS—INTERFARM COOPERATION

From the practice of bank work with intercollective farm organizations. G. Uglichitsa, I. Artemenko. Den. i kred. 21 no. 10:52-56 O '63.

STAVROPOL TERRITORY—VETERINARY MATERIA MEDICA AND PHARMACY

Producing native antibiotics by open submerged fermentation. A. I. Nefed'ev, N. E. Gavrish, V. D. Kollada. Veterinariia 39 no. 11:72-73 N '62.

STAVROPOL TERRITORY—WEED CONTROL

Practices in weed control in Stavropol Territory. A. M. Parliuk. Zashch. rast. ot vred. i bol. 8 no. 4:47-48 Ap '63.

STEAM—COOLING

Processes and principles of the designing of injector-type steam coolers. B. N. Puganov, I. E. Semeovker. Teploenergetika 10 no. 9:35-39 S '63.

STEAM—THERMAL PROPERTIES

Comparison of a project on skeleton tables on water vapor using experimental thermal and calorific data. V. A Zagoruchenko Teploenergetika 10 no 9 54-57 S '63.

STEAM BOILERS see Boilers

STEAM BOILERS, MARINE see Boilers, Marine

STEAM TURBINES

Calculation of parameters and indices of a thermal network using a high-speed digital computer. F. A. Vul'man. Teploenergetika 10 no 9 2-5 S '63.

Calculation of the strength of turbine diaphragms. V. I. Rozenblium, V. S. Chernina Energomashinostroenie 9 no. 10:34-35 O '63.

Experimental study of a water-jet ejector. L. D Berman, G. I Efimochkin Teploenergetika 10 no. 9 9-15 S '63.

In the Technical Council of the State Production Committee on Power Engineering and Electrification of the U. S. S. R. Energetik 11 no 8 45-46 Ag '63.

Operation of condensate pumps. I. G. Kotel'nikov. Energetik 11 no. 8:14 Ag '63.

Start of steam turbines using steam with nominal and sliding parameters. E. R. Plotkin, M. A. Trubilov Teploenergetika 10 no 9 6-8 S '63.

Study of feed pump drive types of heat turbine systems with intermediate steam superheating. V. IA. Ryzhkin, E. P. Volkov, Elektrosta. 34 no. 9 70-74 S '63.

Use of electrical modeling in the determination of temperature fields in the components of steam and gas turbines. K. P. Seleznev, A. I. Taranin, V. A. Plekhanov. Energomashinostroenie 9 no. 10.1-5 O '63.

"Welded structures of steam and gas turbines" by V. N. Zemzin, L. D. Frenkel. Reviewed by M. N. Bushuev. Energomashinostroenie 9 no. 10.48 O '63.

STEAM TURBINES—EQUIPMENT AND SUPPLIES

Barometric vacuum gauge for measuring the pressure of spent steam of steam turbines. S. N. Fuks. Energetik 11 no. 8.14-16 Ag '63.

STEAM TURBINES, MARINE

Ermilov, V. G. [Operation and testing of marine steam-power plants] Tekhnicheskaia ekspluatatsiia i ispytaniia sudovykh parosilovykh ustanovok. Leningrad, Izd-vo "Morskoi transport," 1963. 270 p.

Reversing properties of the main geared turbine unit and the inertial properties of the steamer "Sergei Botkin" A. M. Goloviznin. Inform. sbor. TSNIIMF no 44 Tekh ekspl. mor flota no 2:36-45 '59.

STEAMPIPES

Decrease in the hydraulic resistance of the pipelines of boiler systems. A. G. Ryss. Energetik 11 no. 9.15 S '63.

Repair of the heat balloons of controllers in thermal networks. A. P. Kovalevskii. Energetik 11 no. 8:20 Ag '63.

STEBNIK—POTASH INDUSTRY—FINANCE

For the profitableness of the potash industry. IU. Falkin, IA. Khonikman. Ekon. Rad. Ukr. no. 5.126-127 S-O '63.

STEEL

Cavitational resistance of austenitic ferrite steel. I. N. Bogachev, R. I. Mints, IU. G. Veksler. Energomashinostroenie 9 no. 9 28-31 S '63.

Cold-rolled 0.35 mm. thick generator steel. A. A. Nefedov and others. Elektrichestvo no. 8:70-72 Ag '63.

Methods for removing deposits and corrosion resistance of 1Kh18N9T steel in an acidly media. D. IA. Kagan, L. S. Zhuravlev. Teploenergetika 10 no. 9:50-54 S '63.

Properties of various welded joints from 25-5 type ferrite-austenite steel and steels of austenite and perlite classes. I. A. Zaks. Energomashinostroenie 9 no. 10:30-33 O '63.

Review of D. A. Smolliarenko's book "Quality of carbon steel." N. A. Vecher and others. Stal' 23 no. 9.800-804 S '63.

STEEL—CORROSION

Effect of corrosion on the wear of rail steel. V. V. Dobrolubov. Vest. TSNII MPS 22 no. 6:60-62 '63.

STEEL—ELECTROMETALLURGY

Investigating the possibility of steel refining by liquid synthetic slags. G. S. Ershov, S. V. Mikhailkov. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2.33-39 Mr-Ap '63.

New developments in research. G. A. Khasin, V. N. Davidiuk. Stal' 23 no. 9:810 S '63.

Production of EI736 and EI961 steel by the electric slag remelting method. G. A. Khasin and others. Avtom. svar. 16 no. 9:78-81 S '63.

STEEL—FATIGUE

Dependence of the fatigue strength of steel on its properties and the residual stresses in hard-faced metal. M. M. Kobrin, L. I. Dekhtiar'. Avtom. svar. 16 no. 9:19-25 S '63.

Fatigue strength of electroplated steel. A. P. Grabovetskii. Metalloved. i term. obr. met. no. 10 39-41 O '63.

Fatigue strength of shafts following nitriding and straightening. I. V Kudriavtsev and others. Metalloved. i term. obr. met. no. 10 32-34 O '63.

STEEL—HARDENING

Factors affecting the hardenability of hypereutectoid alloyed steel. A. A. Gel'derberg, G. M Romashova. Vest. mashinostr. 43 no. 9.64-66 S '63

Geometric factor and the effect of peening on the hardening of metals. G. I. Pogodin-Alekseev. Metalloved. i term. obr. met. no. 9:51-53 S '63.

STEEL—HEAT TREATMENT

Combined isothermal treatment of low-alloy steel. A. A. Sazonova. Metalloved. i term. obr. met. no. 10 19-22 O '63.

Serviceability of the rail steel and ways to improve it. N. P. Shchapov, A. F. Zolotarskii, P. P. Sukanov. Vest. TSNII MPS 22 no. 6:3-7 '63.

STEEL—HYDROGEN CONTENT

Skines, P. V. [Hydrogen and flakes in large forgings] Vodorod i flokeny v krupnykh pokovkakh. Moskva, Mashgiz, 1963. 167 p.

STEEL—INCLUSIONS

Mechanism of the formation and distribution of oxide inclusions in ball-bearing steel S G. Voinov Stal' 23 no. 6:523-528 Je '63

STEEL—MAGNETIC PROPERTIES

Thermodynamic conditions for the interaction between nitrogen on one hand and silicon and aluminum on the other, in transformer steel. V. V. Averin, G. A. Garnyk, A. M. Samarin. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2.40-46 Mr-Ap '63.

STEEL—METALLOGRAPHY

Cellular structure of steel. IA. N. Malinochka. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor delo no. 4 100-104 Jl-Ag '63.

Depth and characteristics of changes in the structure of hardened alloyed steel caused by grinding. M. R. Besser, L. V. Baskov. Vest. mashinostr. 43 no. 9 67-69 S '63.

Diagrams of the isothermal decomposition of austenite in graphitizable steel. Zh. B. Zaborko, E. N Pogrebnoi Izv. AN SSSR. Otd. tekh. nauk Met. i gor delo no 4:112-116 Jl-Ag '63.

Structure of spring steel ingots and the segregation of impurities IA N Malinochka, G. Z Koval'chuk. Stal' 23 no 6 555-560 Je '63

STEEL—METALLURGY

Bornatskii, I. I. [Brief handbook for steelmakers] Kratkii spravochnik stalevplavil'shchika. Moskva, Metallurgizdat, 1962. 286 p.

Effect of the deoxidation of steel by aluminum on the process of its desulfuration. S. E. Volkov, A. M. Samarin. Izv. AN SSSR. Otd. tekh nauk. Met. i gor. delo no. 2:22-27 Mr-Ap '63.

New developments in research. V. I Prilepskii, R. Z. Ellmelakh. Stal' 23 no. 9:804 S '63.

Using cerium for the inoculation of structural and stainless steel and cast iron. N. V. Kels, A. I. Komissarov. Metalloved. i term. obr. met. no. 8:19-23 Ag '63.

Vacuum treatment of steel in the ladle with blowing by inert gases. N. M. Chuiko, V. B. Rutkovskii. Metallurg 8 no. 8:19-22 Ag '63.

Wear and reinforcement of frogs with a G13L steel core. R. Z. Kats. Vest. TSNII MPS 22 no. 6:11-14 '63.

STEEL—STANDARDS

[Quality and high-quality steels; sections and shaped rolled products and calibrated steel] Stal' kachestvennaia i vysokokachestvennaia, sortovoi i fasonnyi prokat i kalibrovannaia stal'. Izd. ofitsial'noe. Moskva, Standartgiz, 1963. 128 p. (SSSR. Gosudarstvennye standarty)

STEEL—SULFUR CONTENT

Reduction of sulfur content in electric steel. G. I. Antipenko. Metallurg 8 no. 8.13-14 Ag '63.

STEEL—TESTING

Failure of low-carbon and manganese steels. L. G. Achkasov, N. P. Shchapov. Metalloved. i term. obr. met. no. 9.28-32 S '63.

Investigating the erosion strength of steel hardened by electric spark treatment and subjected to grinding. V. V. Gavranek, D. N. Bol'shutkin, O. A. Volontsevich. Vest. mashinostr. 43 no. 9:62-64 S '63.

STEEL—WELDING

Welding carbon steel using a propane-butane mixture. S. A. Narskii, L. B. Vydrin. Svar. proizv. no. 9:34-35 S '63.

Welding pearlitic with austenitic steels in structures operating at high temperatures. IU. N. Gotal'skii, A. K. TSykulenko, B. N. Kushnirenko. Avtom. svar. 16 no. 9:13-18 S '63.

STEEL, HEAT RESISTANT—CORROSION

Akol'zin, P. A., and V. N. Gutiaev. [Corrosion cracking of austenitic steels in heat-power engineering equipment] Korrozionnoe rastreskivanie austenitnykh stalei v teploenergeticheskom oborudovanii. Moskva, Gosenergoizdat, 1963. 270 p.

STEEL, HEAT RESISTANT—ELECTROMETALLURGY

Electric slag remelting of heat-resistant, stainless steels V. V. Topilin and others Stal' 23 no. 9 805-807 S '63

STEEL, STAINLESS

Effect of certain alloying components on the properties of austenite stainless steels M Prazak, V Cihal, J. Mochura. Khim. mashinostr. no. 5:23-28 S-O '63

Increasing labor productivity in the production of stainless steel and alloys A Romanov. Metallurg 8 no 9 30-31 S '63

Pack rolling of two-layer stainless steel. L. V. Meandrov and others Biul. tekh.-ekon. inform. Gos nauch issl. inst. nauch. i tekh. inform. 16 no. 8:6-9 '63

STEEL, STAINLESS—CORROSION

Tufanov, D. G. [Corrosion resistance of stainless steels] Korrozionnaia stoikost' nerzhaveiushchikh stalei, spravochnik. Moskva, Metallurgizdat, 1963. 117 p.

Corrosion testing of the internal cavity of welded stainless steel pipes. V. B. Vladimirov, E. A. Suvorovskii, G. I. Agapov. Svar. proizv. no. 9 33-34 S '63.

STEEL, STAINLESS—METALLURGY

Chemical heterogeneity of structural and stainless steels treated with rare-earth metals. V. F. Popov, E. M Savitskii. Metalloved. i term. obr. met. no. 8.59-61 Ag '63.

Technology of making stainless, selenium-bearing, free-cutting steel. V. V. Nagovitsin, V. P. Taratynov. Metallurg 8 no 8 15-16 Ag '63

STEEL, STAINLESS—TESTING

Effect of additions of rare-earth metals and their oxides on the properties of certain stainless steels. T M. Belokov and others. Metalloved. i term. obr. met. no. 8 55-59 Ag '63.

Properties of Kh18N12M2T stainless steel containing rare-earth metal oxides. E. M. Savitskii and others. Metalloved. i term. obr. met. no. 8 33-38 Ag '63.

STEEL, STRUCTURAL

Increasing the bearing capacity of steel structures of a steel mill. A. M. IAkushev. Prom. stroi. 40 [i.e. 41] no. 7 40-43 Jl '63.

STEEL, STRUCTURAL—BRITTLENESS

Temper brittleness of structural steel with lanthanum. M. M. Shteinberg, V. A. Mirmel'shtein, E. S. Kodes. Metalloved. i term. obr. met. no. 8 5-10 Ag '63

STEEL, STRUCTURAL—METALLURGY

Chemical heterogeneity of structural and stainless steels treated with rare-earth metals. V. F. Popov, E. M. Savitskii. Metalloved. i term. obr. met. no. 8.59-61 Ag '63.

Rare-earth metals in structural steel. A. P. Gulliaev, E. A. Ul'ianin. Metalloved. i term. obr. met. no. 8 2-6 Ag '63.

STEEL, STRUCTURAL—STANDARDS

Applications in shipbuilding of the All-Union State Standard, GOST 9235-59. A. S. Krikunov. Sudostroenie 29 no. 8:61-64 Ag '63.

STEEL, STRUCTURAL—TESTING

Mechanical properties and the character of nonmetallic inclusions in alloyed structural steel with rare-earth metal additions. IU. V. Kriakovskii and others. Metalloved. i term. obr. met. no. 8.11-18 Ag '63.

Obtaining structural steels by powder metallurgy and the investigation of their properties [with summary in English]. B. A. Borok and others. Porosh. met. 3 no. 4 89-96 Jl-Ag '63.

STEEL ALLOYS—METALLOGRAPHY

Effect of tensile stress on martensite formation in low-alloy steel. Metalloved. i term. obr. met. no. 10 57-59 O '63.

STEEL ALLOYS—TESTING

Properties of 35GL steel with additions of rare-earth metals and boron. V. N. Polisadov. Metalloved. i term. obr. met. no. 8:54-55 Ag '63.

STEEL CASTINGS

Conditions of cooling and the structural characteristics of castings with internal cavities. B. L. Bogdanov. Lit. proizv. no. 8:18-20 Ag '63.

Unit for leaching out ceramics from precision steel castings. N. A. Volyntsev, I. Kh. Silina Mashinostroitel' no. 9:8 S '63.

STEEL INDUSTRY
(see also subdivision under Cherepovets; Ukraine)

For a further increase of labor productivity in ferrous metallurgy. S M Filippov. Metallurg 8 no. 9:1-3 S '63.

STEEL INDUSTRY—AUTOMATIC CONTROL
"Foreman" gets wiser before our eyes. L. Sharol', Znan.-sila 38 no. 3:24-27 Mr '63.

STEEL INDUSTRY — TECHNOLOGICAL INNOVATIONS
see subdivision under Magnitogorsk

STEEL INGOTS
Using trays with ceramic inserts for the top pouring of steel. G. S. Kolganov and others Stal' 23 no. 6 515-516 Je '63

STEEL PIPE see Pipe, Steel

STEPANAKERT—DESCRIPTION AND TRAVEL
Mountain garden. T. Airapetian. Ogonek 41 no. 40:26-27 S '63.

STEREOPHONIC SOUND SYSTEMS
Distortions resulting during the conversion of a two-channel stereophonic broadcast to single channel transmission. P. G. Tager. Radiotekhnika 18 no. 8 41-48 Ag '63.

STERILITY IN ANIMALS
(see also subdivision under Lvov)
Intrauterine infection of calves and the role of diplococci in the sterility of cattle. A. A. Uchaev. Veterinariia 39 no. 11,30-31 N '62

STEROID DRUGS
Intubated anesthesia conducted with steroid preparations [with summary in English]. T. M. Darbinian, N. M. Pripas. Eksper. khir. i anest. no. 1:50-56 '63.

STEROID HORMONES
Cardiovascular system in rheumatic patients treated with ACTH and steroid hormones [with summary in English]. G. S. Kozlov, E. L. Tynianova. Vrach. delo no. 7 12-16 Jl '63.

STEROIDS
Comparative data on the excretion of 17-ketosteroids in women with a presenile psychosis and a climacteric syndrome (with summary in English). S. I. Ochan, N. I. Ignatova, M. V. Shukhgaltei. Vrach. delo no. 9:76-80 S '63.

STOCK AND STOCKBREEDING
(see also subdivision under Kagarlyk District; Kazakhstan, Mongolia; Moscow; Turkmenistan)
Alliance between chemistry and stockbreeding. L. Bergel'son. Nauka i zhizn' 30 no. 9 2-5 S '63.

Semenchenko, Z. P. [Animal husbandry as a profitable activity] Tvarynnytstvo - prybutkova haluz' Kyiv, Derzhsil'hospvydav URSR, 1963. 34 p. (DNAL)

Kiev. Ukrains'ka Akademiia sil's'kohospodars'kykh nauk. [Biological principles underlying increase in the meat quality of farm animals] Biologicheskie osnovy povysheniia miasnykh kachestv sel'skokhoziaistvennykh zhivotnykh, materialy konferentsii. Kiev, 1962. 164 p. (DNAL)

Considering the economic return rate of feed as a factor in breeding work. I. I. Krivinskii. Zhivotnovodstvo 24 no. 5:81-82 My '62.

Possibilities for animal husbandry on the "Pobeda" State Farm. A. IA. Kogan, V. D. Filippov. Zhivotnovodstvo 24 no. 5:37-42 My '62.

STOCK AND STOCKBREEDING—CONGRESSES
Enlarged Plenum of the Coordination Council of the All-Union Academy of Agricultural Sciences in Orenburg. Zhivotnovodstvo 24 no. 5:85-86 My '62.

STOCK AND STOCKBREEDING—ECONOMIC ASPECTS
Let us manage all branches of animal husbandry prudently and economically. Zhivotnovodstvo 24 no. 5:3-6 My '62.

STOCK AND STOCKBREEDING—EQUIPMENT AND SUPPLIES
In the livestock section of the "Peremoga" State Farm. G. IUrchenko. Tekh. v sel'khoz. 23 no. 3:17-20 Mr '63.

Nosov, M. S., N. N. Oranskii, and V. A. Porfiiov. [Mechanization of work on livestock farms] Mekhanizatsiia rabot na zhivotnovodcheskikh fermakh. Pod obshchei red. V. S. Krasnova. Moskva, Proftekhizdat, 1963. 399 p. (DNAL)

Simple and reliable devices. V. A. Kolnash. Zhivotnovodstvo 24 no. 5:71-73 My '62.

STOCK AND STOCKBREEDING — FINANCE see subdivision under Brest Province

STOCK AND STOCKBREEDING—PERIODICALS
Conference of readers of the journal "Zhivotnovodstvo" in the Kuban. Zhivotnovodstvo 24 no. 5:89 My '62.

STOCK AND STOCKBREEDING—PRICES see subdivision under Ukraine

STOCK POISONING PLANTS
A case of sheep poisoning on Solonchak soils. IU. P. Gutsalov. Veterinariia 39 no. 9:56 S '62.

STOKLITSKAIA-TERESHKOVICH, VERA VENIAMINOVNA, 1885-1962
Vera Veniaminovna Stoklitskaia-Tereshkovich, 1885-1962. Sred vek no 23:300-301 '63.

STOMACH—BLOOD SUPPLY
Effect of experimental ligation of the main arteries of the stomach on its motor and secretory functions R. A. Bazilian. Zhur. eksp. i klin. med. 3 no. 2:33-39 '63

STOMACH—CANCER
Technique of liver resection (with summary in English) T. A. Grasmik Vest. khir. 90 no. 3 11-16 Mr '63

Total proteins and protein fractions of the blood serum and the nature of their changes under the influence of preoperative preparation in patients with cancer of the cardial section of the stomach and esophagus [with summary in English] M. D. Lapin Grud. khir. 4 no. 6 84-88 N-D '62

STOMACH—DISEASES
Recognition of shellac calculi of the stomach Vest. rent. i rad. 38 no. 1 67 Ja-F '63.

STOMACH—INFLAMMATION
Treatment of patients suffering from chronic gastritis with the slightly mineralized water of the Turgen' Spring. Kh. Sh. Omarova. Izv. AN Kazakh. SSR, Ser. med. nauk no. 2:85-89 '63.

STOMACH—RADIOGRAPHY
Result of the use of tannin in the roentgenological examination of the gastric mucosa (with summary in English) E. Kuus Vest. rent. i rad. 38 no. 1 32-34 Ja-F '63

STOMACH—SECRETIONS
Effect of experimental ligation of the main arteries of the stomach on its motor and secretory functions. R. A. Bazilian. Zhur. eksp. i klin. med. 3 no. 2:33-39 '63

STOMACH—SURGERY
Adaptability of the motor function of the small intestine following gastric resection [with summary in English]. I. L. Taget, M. B. Sneideris. Vest. rent. i rad. 38 no. 1:20-24 Ja-F '63

Case of faulty anastomosis during gastric resection. N. V. Koleiova. Vest. rent. i rad. 38 no. 1 70-71 Ja-F '63

Diagnosis of gallbladder diseases in gastrectomized patients by the jejunal catheterization method [with summary in English]. V. G. IAsnitskii. Vest. khir. 90 no. 3 61-71 Mr '63

Fivefold perforation of the stomach in a patient with peptic ulcer V. I. Demchuk Vest khir. 90 no. 3 106-107 Mr '63

New modification of closure of the duodenal stump S. I. Smelovskii. Eksper. khir. i anest. no. 1:39-40 '63.

Some pathological phenomena following gastric resection (with summary in English). O. V. Fil'ts. Vrach. delo no. 9 14-18 S '03.

STOMACH—TUMORS
Case of calcification of a benign gastric tumor. A. I. Kareva Vest. rent. i rad. 38 no. 1 66 Ja-F '63

Metastatic melanoma in the stomach. Vest. rent. i rad. 38 no. 1, 68-69 Ja-F '63

STONE, CAST
Determining certain physical and technical properties of cast stone. G. A. Rashin, N. A. Polkvoi. Stek. i ker. 20 no. 10:11-14 O '63.

STONE, CRUSHED
New technological processes for obtaining dressed rubble of local raw materials. I. P. Stabin, V. G. Shirman. Za indus. Riaz. no. 2:47-48 D '61.

STONE AGE see subdivision under Dniester Valley; Kupyansk District; Lipa (Dubno District); Malyye Gribovichi; Ustya Valley

STONE FRUIT BREEDING see subdivision Ala

STONE IMPLEMENTS see subdivision und

STONECUTTING
Fire as assistant to the stone cutter. V. M ta pratsia no. 3:11 Mr '63.

Moscow. Institut gornogo dela imeni A. A. [Hydraulic cutting of natural stone with water jets] Gidravlicheskoe rezanie prirodnogo kamnia tonkimi struiami vody vysokoi skorosti; otchet. Moskva, 1963. 50 p.

Second birth of a stone. Smena 40 no. 1

STONY TUNGUSKA VALLEY see Podkam Tunguska Valley

STOPING (MINING)
Davydov, N. I. [Industrial training of stop Proizvodstvennoe obuchenie gornorabochi zaboia. Moskva, Proftekhizdat, 1963.

STOPPING POWER (NUCLEAR PHYSICS)
Attenuation of a high-energy neutron flux in a shielding. M. M. Komochkov, B. S Sychev. Atom. energ. 15 no. 1: 325-327 O '63.

Deceleration and inelastic reflection of electrons in free thin copper films. I. R. Kanicheva, B. F. Barzdo Fiz tver. tela 5 no. 9:2561-2569 S '63

Effect of reflectors made from various materials on the number of neutrons captured in the uranium carbide shield of a fast reactor. V. I. Golubev and others. Atom. energ. 15 no. 4:327-328 O '63.

Effect of the shape of a shielding barrier on the attenuation of gamma rays from volume sources. D. P. Osanov. Atom. energ. 15 no. 4:331-332 O '63

Spread of the mean paths of charged particles in various substances [with summary in English]. Do In Seb. Zhur. eksp. i teor. fiz. 45 no. 3:787-790 S '63.

STORE FIXTURES
Simple, comfortable and graceful B. Shafer. Sov. torg. 36 no. 9 41-43 S '63.

STORES, RETAIL
(see also subdivision under Georgia)
The design was received, . . . and executed. A. Markushevich. Sov. torg 36 no. 9 35 S '63.

STRAIN GUAGES
Recording strain-gauge block. E. G. Bessmertnyi. Izm. tekh. no. 8:25-27 Ag '63.

STRAINS AND STRESSES
Calculation of a long cylindrical shell taking into account the displacement of the median surface. L. N. Vorob'ev. Trudy NPI 136:3-9 '63.

Concerning the compound stressed state of the bases of deep foundations. V. G. Berezantsev. Osn., fund. i mekh. grun. 5 no. 5,1-5 '63.

Determination of dynamic stresses in drill pipes. Z. G. Kerimov. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekh. nauk no. 2:125-129 '63.

Device for determining strain in ropes and flexible wires. P. E. Madrik, A. A. Shurygin. Gor. zhur. no. 9: 74 S '63

Dynamic stresses in hoisting cables. P. A. Zhuravlev, A. F. Zakharevich. Izv. vys. ucheb. zav., gor. zhur. 6 no. 3:121-128 '63.

Effect of the medium on the tensile strain of fabrics and its components. A. I. Kobliakov. Izv. vys. ucheb. zav., tekh. leg. prom. no. 2:3-10 '63.

Evaluation of the influence of an uneven contour upon the distribution of stresses in the vicinity of the development of a circular cross section. I. V. Baklashov. Osn., fund. i mekh. grun. 5 no. 5:23-25 '63.

Nature of the breaking down of a rock massif by the action of a cylindrical field of stresses in blasting. F. I. Kucheriavyi. Izv. vys. ucheb. zav., gor. zhur. 6 no. 3 50-63 '63

Problem of stresses in a long cylindrical shell. E. A. Liashenko. Trudy NPI 136:89-96 '63.

Refined formula for calculating the bending stresses in round-strand steel hoisting ropes M. F. Glushko Izv. vys. ucheb. zav.; gor. zhur. 6 no. 8 145-148 '63

Relationship between the conditions for using ropes and the selection of the optimum stretching force. N. K. Goncharenko, A. P. Petrov. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 8:149-153 '63.

Relationships between stresses and strains in initially isotropic inelastic bodies (geometrical aspect of the problem). V. V. Novozhilov. Prikl. mat. i mekh. 27 no. 5,794-812 S-O '63.

Some conformities between the stress functions in the axisymmetrical and plane problems of the theory of elasticity, and solution to the axisymmetrical problem for an infinite hollow heavy cone. A. IA. Aleksandrov. Izv. Sib. otd. AN SSSR no. 2:15-24 '62.

Stress and velocity fields due to the intrusion of a stamp into a plastic mass V. V. Sokolovskii Inzh. zhur. 3

STRATEGY
(see also subdivision under Germany)
[illegible] [Military strategy] Voennaia [illegible] 2 [illegible] dop Moskva, Voenizdat [illegible]

STRAUSS, FRANZ JOSEF
[illegible] Problems of economy [illegible] in 10 [illegible] 10 11-117 O '63

STRAW
[illegible] harvesting and chopping [illegible] Izd-vo sel'khoz-nauki [illegible]

STRAWBERRIES
[illegible] Strawberry [illegible] E.I. Savidova [illegible] 35-40 S '63.

STRAWBERRIES—VARIETIES
[illegible] different species and [illegible] Izv. SO AN SSSR no. 3 7-10 '62.

STRELTSOV CROSSING, MILITARY
[illegible] relief in the area of Streltsov crossing [illegible] Zhukov, V. Nechet, Voen. [illegible] 11 [illegible] '62

[illegible] Streltsov and others [illegible] 62-94 S '63.

STREAM MEASUREMENTS
[illegible] of the problem of evaluating the accuracy of [illegible] charge measurement in open channels and streams I. F. Shuvarov. Izm. tekh. no. 5 53-56 My '63

STREET CLEANING—EQUIPMENT AND SUPPLIES
Gusev, L. M. [Design of street-cleaning motortrucks] Raschet i konstruktsii podmetal'no-uborochnykh mashin Moskva, Mashgiz, 1963 203 p.

STRENGTH OF MATERIALS
[illegible] of the microhardness of silicon A. V. Sandu-[illegible], V. M. Rybak Fiz. i ter. tela 5 no. 9 2587-2590 S '63

[illegible] in fracture strength at repeated impact due to the use of hardening treatments M. IA. Shashin Vest. mashinostr. 43 no. 12 12-14 S '63

[illegible] method for solving the problem of durability and strength of [illegible] in the formation of metals and alloys in hot state S. S. Dzagar, P. S. Chepa Dokl. AN BSSR 7 no. 4 [illegible] Ja '63

Theory of the strength of plane-strained bodies. M. A. Ilyasov. Izv. vyz. zhur. 3 no. 1 186-194 '63.

Use of the statistical theory of dislocations in deriving the fundamental relations for strength curves. N. S. Akulov, A. N. Shvetsikh. Dokl. AN BSSR 7 no. 7 453-455 Jl '63.

STRENGTH OF MATERIALS—HANDBOOKS, MANUALS, ETC
Rubinin, M. V. [Manual for practical work on the strength of materials] Rukovodstvo k prakticheskim zaniatiiam po soprotivleniiu materialov 4 izd. [Moskva] Rostvuzizdat, 1963 488 p.

STREPTOCOCCAL INFECTIONS
Pathogenesis of mesillogenic intoxication [with summary in English]. N. A. Khanazarova. Zhur. ush., nos. i gorl. bol. 23 no. 4 58-63 Jl-Ag '63.

STREPTOMYCIN
[illegible] of phagocytic activity in experimental bone tuberculosis following the use of pyrogens and streptomycin [with summary in English] F. Kh. Kucherlavyi, T. B. Il'ina. Pat. fiziol. i eksp. terap. 7 no. 2 63-67 Mr-Ap '63.

STREPTOMYCIN—TOXICOLOGY
Determination of penicillin and streptomycin allergy using an internal rinsal test V. I. Andriute. Zdravookhranenie 6 no. 2 17-22 Mr-Ap '63

STRIKES AND LOCKOUTS
(see also subdivision under Enugu, Nigeria, France, Spain)
Peaceful coexistence and the class struggle. S. Ogurtsov. Agitator no. 20 11-14 O '63.

STRIKES AND LOCKOUTS—COAL MINING see subdivision under France

STRIKES AND LOCKOUTS—METAL INDUSTRIES see subdivision under Germany, West

STRIKES AND LOCKOUTS—METALWORKERS see subdivision under Germany, West

STRIKES AND LOCKOUTS—MINERS see subdivision under Swaziland

STRING QUARTETS
Named after Ludwig Beethoven. Mikhail Aleksandrov. Ogonek 41 no. 40-25 S '63.

STRIP MINING
Determination of the coefficients of overburden and volumes of work in a pit B. T. Rutkovskii. Gor. zhur. no. 9 16-20 S '63.

STRIP MINING—EQUIPMENT AND SUPPLIES
Andreev, A. V., I. L. Anchalov, and G. P. Kudinov. [Automatic control of open-pit mine transportation] Avtomatizatsiia kar'ernogo transporta. Moskva, Gosgortekhizdat, 1963. 253 p.

Putilov, M. G. [Open-pit mine haulage] Kar'ernyi transport. Izd. 2, perer. i dop. Moskva, Gosgortekhizdat, 1963 296 p.

Varshavskii, A. M., and M. G. Novozhilov. [Improving the conditions for exploiting heavy-duty, continuous striping machine units] Sovershenstvovanie rezhima ekspluatatsii moshchnykh vskryshnykh kompleksov nepreryvnogo deistviia. Moskva, Gosgortekhizdat, 1963 162 p.

STRITTMATTER, ERWIN, 1912-
L. Strittmatter's novel "The miracle worker", traditions of the educational and adventure-picaresque novel in the literature of the German Democratic Republic. [illegible] Uch. zap. Perm. gos. un. 23 no. 2 111-130 '62

STRONGYLOIDIASIS
Clinical and morphological characteristics of experimental strongyloidiasis in dogs [with summary in English]. A. I. Ishmukhametov. Med. parazit. i parazit. bol. 32 no. 1 108-113 Ja-F '63

STRONTIANITE see subdivision under Lvov Province

STRONTIUM ISOTOPES
Characteristics of the sorption of strontium 90 by active manganese dioxide. [illegible] V. I. Goro., I. I. Lavrov. Radiokhimiia 5 no. 2 211-215 '63.

Study of the behavior of Sr^{90} in melts by the method of isomorphic cocrystallization in the systems $PbCl_2$ - $SrCl_2$ - LiCl and $PbCl_2$ - $SrCl_2$ - NaCl. V. R. Klokman, N. S. Kolesnikova. Radiokhimiia 5 no. 3 284-290 '63.

STRONTIUM ISOTOPES—PHYSIOLOGICAL EFFECT
Influence of the inflammation of subcutaneous cellular tissue and sensitization on the distribution of Sr^{90} in the body [with summary in English]. V. S. Kalistratova. Med. rad. 7 no. 12 56-58 D '62.

STRUCTURAL ALUMINUM see Aluminum, Structural

STRUCTURAL GEOLOGY see Geology, Structural

STRUCTURES, THEORY OF
Iteration methods for the solution of geometrically nonlinear three-dimensional problems in structural mechanics. L. M. Stavraki. Prikl. mekh. 9 no. 5 513-519 '63

STRUVERITE see subdivision under Transbaikalia

STUDENT ACTIVITIES
(see also subdivision under Alma-Ata; Mongolia, Odessa; Ukraine; Virgin Territory)
In a school with longer hours. M. D. Kopanev. Nach. shkola 31 no. 9 68-72 S '63.
Let's be friends to older children! S. Zenenko. Semia i shkola 18 no. 5 2-4 My '63
Let's improve the forms of extracurricular work in schools. Z. P. Bobronikova, I. D. Nemtsev. Sov. pedag. 27 no. 8 20-24 Ag '63
A "Little Academy of Sciences" is very good! Znanie-sila no. 3,1 Mr '63
A longer school day is in the near future of general schools. E. Kostiashkin. Shkola i int. no. 4 39-42 Jl-Ag '63
Main result is maximal success of students in their studies. U. Dakatshian. Shkola i int. no. 4 36-38 Jl-Ag '63
School evening meetings and their role in the aesthetic training of grade 9-11 students. M. L. Kerles. Rad. shk. 42 no. 5 90-93 My '63.
Some prerequisites for the efficiency of students independent work in schools with longer hours. I. T. Prus. Rad. shk. 42 no. 5 82-86 My '63.

STUDENT EMPLOYMENT
Urzhinskii, K. P. [Procedure in the establishment of wage categories for workers and persons learning industrial practice (study) in enterprises] Poriadok ustanovleniia tarifnykh razriadov rabochim i litsam, prokhodiashchim proizvodstvennuiu praktiku (obuchenie) na predpriiatiiakh. Moskva, Gosiurizdat, 1962, 58 p. (Iuridicheskie konsul'tatsii dlia naseleniia v voprosakh i otvetakh)

Work norms for students. M. I. Rozenberg, G. S. Kriachuk. Shkola i proizv. 7 no. 9 47-50 S '63.

STUDENT TEACHING
(see also subdivision under Bukovina)
Students organize a workers faculty at a pedagogical institute. V. A. Gandel'man. Sov. pedag. 27 no. 8 94-100 Ag '63.

STUDENTS
Our international contacts are strengthening. V. N. IAkovishin. Vest. vys. shkoly 21 no. 9 47-48 S '63.
Reunion of A. S. Makarenko's students. V. Gutsevich. Prof.-tekh. obr. 20 no. 7-13 Jl '63.

STUDENTS, CUBAN see subdivision under [illegible]

STUDENTS, FOREIGN see subdivision under [illegible]

STUDENTS, UKRAINIAN
A "Little Academy of Sciences" [illegible] pratsia no. 3,1 Mr '63

STUDENTS' SOCIETIES see subdivision under [illegible] West

STUKOVENKOV, MIKHAIL IVANOVICH, [illegible]
Life and activities of Professor M. I. [illegible] derm. i ven. 37 no. 2 73-76 [illegible] '63.

STURGEONS
(see also subdivision under Azov, [illegible] Sea, Savvino region, Moscow Province)
Visceral apparatus of sturgeons as an organ [illegible] take of food. G. A. Grimm-[illegible]kh [illegible] zhiv. no. 38 97-109 '63

STYLE, LITERARY
Vinogradov, V. V. [Plot and style; comparative [illegible] studies] Siuzhet i stil'; [illegible] issledovanie. Moskva, Izd-vo Akad. [illegible] 190 p.

STYRENE
Experimental data on the hygienic importance of [illegible] pollution by styrene. [illegible] Shen [illegible] kontsent. atmosf. vozd. no. 7 [illegible]

Production of grafted copolymers. Graft copolymers of polyethylene terephthalate (lavsan) with [illegible] Kozliuk, K. K. Mozgova, S. P. Kravtsova, [illegible] no. 6 9-11 '63.

Synthesis of glycidyl methacrylate and [illegible] in solvents and their use as a base for [illegible] of protective coatings. M. I. Smirnova, [illegible] Lakokras. mat. i ikh prim. no. 3 10 [illegible]

STYRENE POLYMERS
Polymerization column for the production of styrene. G. V. Ishchenko. Pisl. tekh. [illegible] nauch.-issl. inst. nauch. i tekh. informatsii [illegible]

SUBCLAVIAN ARTERY—INNERVATION
Innervation of the subclavian artery [illegible] kov. Vop. morf. perif. nerv. sist. no. 3 [illegible]

SUBKHANKULOVO—PETROLEUM PIPELINES
The petroleum pipeline administration in the communist labor. O. P. Prokop'ev, V. [illegible] Neftianik 8 no. 2 5-7 F '63.

SUBMARINE BLASTING see Blasting, Submarine

SUBMARINE BOATS
Depths are subject to the strong. [illegible] znan. 39 no. 9 11-12 S '63.
Determining the elements of a submarine's [illegible] for aerial bombing in training airplane [illegible] Kurgel. Mor. sbor. 16 no. 11 [illegible] A [illegible]
Do the same thing. A. Molibog. Stroi [illegible] no. 5 29 My '63.
Submariners go to sea. B. Volokhov. [illegible] no. 10 8 S '63.

SUBMARINE DISASTERS
Training the personnel of a submarine [illegible] boat's power of survival. N. A. Dro[illegible] 46 no. 8 56-59 Ag '63.

SUBMARINE DIVING see Diving, Submarine

SUBMARINE GEOLOGY
(see also subdivision under Apsheron Peninsula)
Leont'ev, O. K. [Brief course in marine geology] Kratkii kurs morskoi geologii. [Moskva] [illegible] 1963 463 p.

SUBMARINE WARFARE
Kvitnitskii, A. A. [Fight with submarines; [illegible] foreign data] Bor'ba s podvodnymi lodkami [illegible] nym dannym). Moskva, Voenizdat, 1963 [illegible]

SUBSIDENCES (EARTH MOVEMENTS)
(see also subdivision under Lvov-Volyn' [illegible])
Rock displacement and loads on supports in [illegible] seam in Mosheinyi Mine (Kuznetsk [illegible] inclined layers with hydraulic filling. [illegible] Nauch. soob. IGD 20 47-49 '63.

SUBSTANCE (PHILOSOPHY)
Definition of the "volume" concept for [illegible] corpuscular nature. I. A. TSitsin. Vest. [illegible] Ser. Fiz., astron. 18 no. 5 94-97 S-O '63

SUBSTITUTION (CHEMISTRY)
Change of the type of singular star of quinary [illegible] when a sulfate ion is substituted for halide [illegible] paiko. Zhur. neorg. khim. 8 no. 9 2170-2[illegible]
Compensation effect and the kinetic scale of [illegible] in complex compounds of platinum. D. I. Ry[illegible] V. P. Kazakov. Izv. SO AN SSSR no. 2 [illegible] no. 3 20-28 '63.

SUBVERSIVE ACTIVITIES
Liakin, V. N., and others. [The enemy will not achieve his objective] Vrag ne dostignet tseli. [Leningrad] Lenizdat, 1963. 202 p.

SUCKER RODS

Efficiency of sucker rod-sleeves with pump piping. Sh. N. Mirs... Za tekh. prog. 3 no. 3 21-25 Mr '63.

SUCROSE

Synthesis of uridinediphosphoglucose analogs to take part in the biosynthesis of saccharose. N. D. Gabrichian, M. A. Nesterova, G. I. Zhdanov. Dokl. AN SSSR 151 no. 6 1343-1345 Ag '63.

SUDAN—RELATIONS (GENERAL) WITH RUSSIA

With their consulates. Kul't. i zhizn' 7 no. 1 13 '63.

SUDAN—TRADE UNIONS

Reorganization of trade unions in the Sudan. I. Mohamed Vall. Sov. profsoiuzy no. 7/8 3-4 Jl-Ag '63.

SUDRABKALNS, JANIS, 1894-

Sudrabkalns, Janis. [Collected works, literary criticism, free translations, and other works.] Kopoti raksti literari kritiski raksti, atdzejojumi u.c. Riga, Latvijas valsts izdevnieciba, Vol. 6 1962 736 p. [In Latvian]

SUGAR

Physicochemical properties of water-alcohol-sugar solutions. S. L. Kharin, V. I. TSelinskaia. Spirt. prom. 29 no. 6 8-11 '62.

SUGAR BEET BREEDING

Role of the growing conditions in sugar beet breeding and seed production. N. I. Orlovskii. Vest. sel'khoz. nauki 8 no. 9 140-141 Mr '63.

SUGAR BEETS

(see also subdivision under Cherkassy Province, Faleshty District, Leningrad; Ukraine, Zhashkov District)

The introduction of the SKRN-19A planter. V. Basin, S. Tolmachev. Tekh. v sel'kho. 23 no. 3 51-52 Mr '63.

Statistical modeling of the process of sowing sugar beet seeds. I. V. Verezin, S. V. Kardashevskii. Trakht. i sel'khozmash. 33 no. 9 30-31 S '63.

SUGAR BEETS—ANALYSIS see subdivision under Kazakhstan

SUGAR BEETS—CLEANING

Ways for reducing the damage to sugar beet roots caused by screw-type cleaners. V. O. Vasylenko, V. K. Sarapulov. Visnyk sil'hosp. nauky 6 no. 9 21-28 S '63.

SUGAR BEETS—DISEASES AND PESTS

Forecast for 1963. I. V. Popova, P. P. Makarenko. Zashch. rast. ot vred. i bol. 8 no. 1 43-46 Ap '63.

Low-volume spraying of sugar beet and potato fields. I. A. Meisakhovich. Zashch. rast. ot vred. i bol. 8 no. 3 34-35 Ap '63.

SUGAR BEETS—HARVESTING

Automatic device for driving a sugar beet combine. N. Nastenko, I. Vasilenko. Tekh. v sel'khoz. 23 no. 2 73-76 F '63.

Technological indices of the work of the top-removing apparatus of sugar beet harvesters. L. V. Pohorilyi. Visnyk sil'hosp. nauky 6 no. 9 29-33 S '63.

SUGAR BEETS—TRANSPORTATION

New method for sugar-beet transportation. V. Zlazev, D. Nakashidze. Avt. transp. 41 no. 5 10-11 My '63.

SUGAR BEETS AS FEED

(see also subdivision under Azerbaijan)

Efficient use of sugar beets in feeding swine. M. M. Karpus'. Visnyk sil'hosp. nauky 6 no. 9 90-92 S '63.

SUGAR IN THE BODY

Effect of prolonged use of easily absorbed carbohydrates (sugar) on the level of blood lipids in atherosclerosis [with summary in English]. A. M. Pleshkov. Terap. arkh. 35 no. 2 66-70 F '63.

SUGAR INDUSTRY

Vasilova, O. I. [Sugar industry of the member-countries of the Council for Mutual Economic Aid] Sakharnaia promyshlennosti' stran-uchastnits SEV. Moskva, TSentr. in-ta pishch. prom., 1963. 31 p. [MICROFILM]

SUGAR INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Ukraine

SUGGESTIVE THERAPEUTICS see Therapeutics, Suggestive

SUKEBATUR, 1893-1923

Formal meeting dedicated to the 70th birthday anniversary of D. Sukebatur. Sovr. Mong. 8 no. 2 4-5 F '63.

Historical documents and materials on D. Sukebatur. Sovr. Mong. 8 no. 2 6-7 F '63.

Our Sukebatur. B. Tudev. Sovr. Mong. 8 no. 2 1-3 F '63.

SUKHUMI—THEATER

In their own language. M. Mistakopulo, A. Danelian. Kul't. i zhizn' 7 no. 2 47 '63.

SULFAMATES

Rare-earth sulfamates. A. I. Mustaev, R. I. IAkovenko. Izv. AN Kir. SSR Ser. est. i tekh. nauk 5 no. 4 5-8 '62.

Tetravalent cerium sulfamate. A. I. Mustaev, R. I. IAkovenko. Izv. AN Kir. SSR Ser. est. i tekh. nauk 5 no. 1 9-11 '63.

SULFATES

(see also subdivision under Beregovo District)

Method for separating rare-earth elements based on the thermal dissociation of sulfates. S. V. Bleshinskii and others. Izv. AN Kir. SSR Ser. est. i tekh. nauk 5 no. 1 25-26 '63.

SULFIDES

Preliminary data on the solubility of metallic sulfides in water under the conditions of increased temperature and pressure [with summary in English]. I. G. Smith. Min. sbor. no. 16 285-290 '62.

Synthesis and properties of some aromatic mercaptans, sulfides, and sulfones. A. V. Kalabina, N. N. Vlasova, A. N. Mirskova. Izv. SO AN SSSR no. 7 Ser. khim. nauk no. 2 99-104 '63.

SULFIDES—METALLURGY

Dissolving indium and thallium sulfides in aqueous solutions of heavy metal sulfates. F. L. Shalavina, Z. D. Zhakipova. Trudy Inst. met. i obog. AN Kazakh. SSR 6 47-50 '63.

SULFITE LIQUOR

Intensification of the clarification of sulfite liquors in the causticizing shops of sulfate pulp factories. V. A. Glushovskii and others. Trudy LTIISBP no. 11 73-82 '62.

SULFITES

Spectrophotometric analysis of acid sulfite solutions. G. P. Arkhipov, L. I. Filg, K. P. Mishchenko. Trudy LTIISBP no. 11 128-133 '63.

SULFONATION

Shekhter, IU. N., S. E. Klein, and V. P. Kalashnikov. [Oil-soluble sulfonates; their production and uses] Maslorastvorimye sul'fonaty, proizvodstvo i primenenie. Moskva, Gostoptekhizdat, 1963. 124 p.

Sulfonation of alkyl aromatic hydrocarbons. S. I. Radzigol'd, M. I. Kon', T. V. Tomson. Masl.-zhir. prom. 29 no. 9 23-26 S '63.

SULFONES

Synthesis and properties of some aromatic mercaptans, sulfides, and sulfones. A. V. Kalabina, N. N. Vlasova, A. N. Mirskova. Izv. SO AN SSSR no. 7. Ser. khim. nauk no. 2 99-104 '63.

SULFONOL

Colloid chemical properties of solutions of sulfonol NP and its analogs and their detergent action [with summary in English]. S. A. Nikitina, V. A. Spiridonova. Kolloid. zhur. 25 no. 5 581-586 S-O '63.

SULFOXONIUM COMPOUNDS

Dimethylphenylsulfovonium salts. A. N. Nesmeianov, I. S. Isaeva, T. P. Tolstaia. Dokl. AN SSSR 151 no. 6 1339-1342 Ag '63.

SULFUR

(see also subdivision under Rostov region)

Effect of the sulfur present in active furnace black on the rate of decomposition of hydrogen peroxide. R. Z. Magarill, L. I. Aksenova. Kauch. i rez. 22 no. 8 21-27 Ag '63.

Lekae, V. M., and L. N. Elkin. [Modern methods of sulfur recovery from sulfur ores] Sovremennye sposoby polucheniia sery iz sernykh rud, uchebnoe posobie. Pod red. N. S. Ul'ianova. Moskva, Mosk. khimiko-tekhnologicheskii in-t im. D. I. Mendeleeva, 1961. 75 p.

SULFUR COMPOUNDS

Continuous method for removing unsaturated and sulfur-containing compounds from benzene with sulfuric acid. T. G. Pavlenko, V. E. Fal'kovskii, S. V. L'vov. Khim. i tekh. topl. i masel 8 no. 2 3-6 F '63.

SULFUR CRYSTALS—PHOTOELECTRIC PROPERTIES

Photoconductivity of sulfur single crystals at high hydrostatic pressures. N. A. Tikhomirova, V. M. Fridkin. Fiz. tver. tela 5 no. 9 2709-2711 S '63.

SULFUR ISOTOPES

Electron microscope study of the effect of radioactivity of elementary sulfur on the structure of its surface. L. I. Zemlianova and others. Radiokhimiia 5 no. 3 392-394 '63.

SULFUR TRIOXIDE

Preparation of stabilized sulfuric anhydride under pilot-plant conditions. S. N. Kondrat'ev and others. Trudy KKHTI no. 30 205-212 '62.

Vapor pressure, density, and viscosity of stabilized sulfur trioxide. S. N. Kondrat'ev, L. I. Kuznetsov-Fetisov, K. A. Zinkicheva. Trudy KKHTI no. 30 198-204 '62.

SULFURATION

Processing cobalt sulfide materials by hyrosulfatizing. P. A. Pazdnikov, R. A. Pavliuk. TSvet. met. 36 no. 5 41-45 My '63.

SULFURIC ACID

Effect of sulfuric acid on the product of cohydrolysis of trimethylchlorosilane and methylphenyldichlorosilane. A. G. Kuznetsova, V. I. Pravd. Plast. massy no. 10 17-21 '63.

Illarionov, V. V., and E. V. Gerbut, eds. [Vanadium catalysts for the manufacture of sulfuric acid by the contact process] Vanadievye katalizatory dlia kontaktnogo proizvodstva sernoi kisloty, sbornik statei. Moskva, Goskhimizdat, 1963. 73 p.

Providing for the durability of structural elements of shops in which sulfuric acids are liberated. B. I. Borisov. Prom. stroi. 40 [i.e. 41] no. 6 35-39 Je '63.

Pump for the transfer of sulfuric acid. V. I. Teterichkov, A. E. Volonkov. Khim. mashinostr., no. 5 7-8 S-O '63.

Relation between the critical concentrations in micelle formation and the detergency of the aqueous solutions of the mixture of primary and secondary alkyl sulfates. M. P. Bespiatov, Zh. IA. Leshchenko. Masl.-zhir. prom. 29 no. 9 19-22 S '63.

Studying the properties of individual alkyl sulfates and alkyl sulfites from synthetic aliphatic alcohols. V. A. Lesnus, A. M. Kalnoukh, Z. P. Dolmakhovskaia. Masl.-zhir. prom. 29 no. 8 20-21 Ag '63.

SUMMATION (LAW)

Closing speeches of defense lawyers in juvenile delinquency cases. V. Elesin. Sov. iust. no. 16 10-11 Ag '63.

SUMY PROVINCE—CORN (MAIZE)

Results of investigating cultivation practices for corn in Sumy Province. D. P. Tomashevskyi. Nauk. pratsi Ukr. nauk.-dosl. inst. zem. 12 91-94 '62.

SUMY PROVINCE—CORN (MAIZE)—FERTILIZERS AND MANURES

Methods for hill placement of fertilizers for corn. M. D. Khamin. Nauk. pratsi Ukr. nauk.-dosl. inst. zem. 12 101-104 '62.

Placement of fertilizers for corn at the time of planting. V. I. Ozerov. Nauk. pratsi Ukr. nauk.-dosl. inst. zem. 12 121-127 '62.

SUMY PROVINCE—HISTORICAL RESEARCH

A conference of the young historians of Sumy Province. O. M. Pilatova. Ukr. ist. zhur. 7 no. 1 158 Jl-Ag '63.

SUN—PROMINENCES

Altitude distribution of solar prominences [with summary in English]. S. O. Obashev. Izv. Krym. astrofiz. obser. 29 118-125 '63.

SUN—ROTATION

Reductions in measuring the speed of the sun's rotation. I. A. Aslanov. Izv. AN Azerb. SSR Ser. fiz.-mat. i tekh. nauk no. 2 81-90 '63.

SUNFLOWER BREEDING

Breeding sunflower for resistance to broomrape. V. S. Pustovoit, G. V. Pustovoit. Zashch. rast. ot vred. i bol. 8 no. 1 15-17 Ap '63.

Breeding sunflower for resistance to rust. G. V. Pustovoit, Zashch. rast. ot vred. i bol. 8 no. 9 10-11 S '63.

Present achievements of the study and further development of additional pollination with foreign pollen in sunflower breeding. L. A. Zhdanov. Vest. sel'khoz. nauki 8 no. 3 122-124 Mr '63.

SUNFLOWER SEED

(see also subdivision under Siberia, Western)

Effect of pinching off the heads and shading the plant at an early age on the absolute weight of sunflower achenes. V. K. Morozov. Vest. sel'khoz. nauki 8 no. 3 125-126 Mr '63.

SUNFLOWER SEED—DRYING

Changes in the acid number of oil and losses of dry matter during the drying of sunflower seeds with high oil content. V. M. Kopeikovskii, V. K. Kostenko. Masl.-zhir. prom. 29 no. 9 7-13 S '63.

SUNFLOWER SEED OIL

Expanding the processing of customers' sunflower seeds in the enterprises of the economic councils of the R. S. F. S. R. F. N. Minevich, E. A. Shmidt. Masl.-zhir. prom. 29 no. 9 26-28 S '63.

Viscosity of the micelles of sunflower seed oil in hexane. V. D. Kravchenko, F. S. Omel'chenko. Masl.-zhir. prom. 29 no. 8 13-14 Ag '63.

SUNFLOWERS

Sunflower as a crop to precede corn. L. P. Olefirenko. Zemledelie 25 no. 8 74 Ag '63.

SUNSPOTS

Relationship between cycles of solar activity and the intensity and frequency of inducing brief variations in the earth's electromagnetic field. V. A. Troitskaia, R. V. Shchepetnov. Prikl. geofiz. no. 37 95-101 '63.

"Worldwide sympathy." A. L. Chizhevskii. Nauka i zhizn' 30 no. 5 82-85 My '63.

SUNSPOTS—SPECTRA

[illegible] of [illegible] lines in sunspots, taking scattering and absorption into account [with summary in English] [illegible] Astron. zhur. 40 no.1 715-749 S '63.

SUPERCONDUCTIVITY

[illegible] of [illegible] in bismuth [illegible] metals [with summary in English] V. A. Abrikosov, Zhur. eksper. i teor. fiz. 45 no.4 715-749 S '63.

SUPERSONIC AERODYNAMICS see Aerodynamics, Supersonic

SUPERSONIC NOZZLES

Flow with friction and heat transfer in a conical nozzle [with summary in English] D. V. Fedorov, S. V. Shvab, Inzh.-fiz. zhur. 6 no.8 41-44 Ag '63.

Losses in supersonic nozzle caused by underexpanded condensing vapor. V. V. Gulyaev. Izv. vys. ucheb. zav.; aviats. tekh. 3 no.3 540-[illegible] '63.

SUPPURATION

Methodology of biomycin electrophoresis in the treatment of suppurative inflammatory processes, experimental research. V. A. Barsukov. Ortop., travm. i protez. 24 no.2 51-54 F '63.

SURFACE-ACTIVE AGENTS

Determining the content of "neutralized black contact" in [illegible] waters. B. I. Karapaev, I. I. Malfina. Neftepererab. i neftekhim., no.1 19-22 '63.

Effect of surface-active agents on the strength of structures to concentrated nonaqueous suspensions [with summary in English]. V. V. Konstantinova and others. Koll. zhur. 25 no.5 555-560 S-O '63.

Increasing the sedimentation stability of enamel paints containing barium and iron oxide reds by means of the application of surface-active agents. M. V. Sukhanova, G. G. Yasnikova. Laboratornaia prakt. issled. prom. no.4 26-28 '63.

Structure-mechanical properties of the adsorption layers of some surface-active compounds at the interfacial boundaries of their aqueous solutions with air and styrene [with summary in English]. L. A. Shits, A. A. Trapeznikov. Koll. zhur. 25 no.5 613-620 S-O '63.

Use of surface-active substances in boring prospecting wells in White Russia. E. A. Dziamianava. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no.3 76-79 '63.

SURFACE CHEMISTRY

Role of surface phenomena in powder metallurgy processes [with summary in English]. V. N. Eremenko, V. I. Nizhenko. Poroshk. met. 3 no.4 17-28 Jl-Ag '63.

Studying the electrochemical properties of tantalite surface during its interaction with certain flotation reagents. S. I. Pol'kin, T. B. Naifonov, R. Sh. Shafeev. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no.2 169-172 Mr-Ap '63.

SURFACE HARDENING

Carbon reduction in the surface layer of ball-bearing and tool steels. V. S. Mogil'chenko and others. Stal' 23 no.9 839-840 S '63.

Effect of work hardening on the fatigue resistance in ISKhNVA steel at high temperatures. I. V. Kudriavtsev, E. V. Rymynova. Metalloved. i term. obr. met. no.9 33-37 S '63.

Increasing the wear resistance of surfaces by burnishing. Iu. G. Proskuriakov, I. V. Pozdniakova. Vest. mashinostr. 43 no.9 52-56 S '63.

Surface hardening of the semiaxles of the rear axle of the MAZ-200 and MAZ-205 motortrucks. N. F. Andriushchenko and others. Avt. prom. 29 no.10 31-33 O '63.

SURFACE TENSION

Surface properties of Ni-Au-Al_2O_3 liquid alloys. V. N. Eremenko, V. I. Nizhenko. Zhur. neorg. khim. 8 no.9 2124-2127 S '63.

The surface tension of melts. O. K. Sokolov. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no.4 59-64 Jl-Ag '63.

SURFACES

Generalization of A. D. Aleksandrov's class of type T surfaces and one characteristic of convex closed surfaces. I. A. Danelich. Mat. sbor. 62 no.2 180-185 O '63.

Metric characteristics of some classes of hypersurfaces. V. L. Vedernikov. Izv. vys. ucheb. zav., mat. no.4 28-32 '63.

SURFACES (TECHNOLOGY)

Dependence of the contact fatigue strength of ShKh15 steel on phase transformations in the surface layer. G. T. Nazarenko. Metalloved. i term. obr. met. no.10 12-18 O '63.

Luminescence method for determining the actual contact area. S. M. Tagiev. Za tekh. prog. 3 no.9 19-21 S '63.

Using electron calculating machines in studying and designing the working surfaces of tillage machines. Iu. F. Novikov. Trakht. i sel'khozmash. 33 no.9 28-32 S '63.

SURFACES (TECHNOLOGY)—TESTING

Measuring the roughness of curvilinear surfaces. A. I. Kacheva, S. D. Kuznetsov, E. M. Turovskii. Izm. tekh. no.8 23-24 Ag '63.

SURFACES, ORTHOGONAL

Circles on affine planes with Euclidean orthogonality. V. P. Zarovnyi. Mat. sbor. 62 no.1 14-30 S '63.

SURGEONS see subdivision under Ukraine

SURGERY

(see also subdivision under Yekaterinoslav Government)

Volodin, Boris. [Silence! An operation is being performed!] Tikho! Idet operatsiia! Moskva, Izd-vo "Znanie," 1963. 95 p. (Prochti tovarishch!) (DNLM)

SURGERY—BIBLIOGRAPHY see Bibliography—Surgery

SURGERY—COMPLICATIONS AND SEQUELAE

Neurologic complications in plastic surgery on aortic coarctation [with summary in English]. L. G. Erokhina, B. D. Komarov. Grud. khir. 4 no.6 33-37 N-D '62.

Outcome of surgical injuries of the stapes in otosclerosis patients [with summary in English]. E. A. Evdoshchenko. Zhur. ush., nos. i gor. i bol. 23 no.4 26-33 Jl-Ag '63.

Some pathological phenomena following gastric resection [with summary in English]. O. V. Fiifts. Vrach. delo no.9 14-18 S '63.

SURGERY—CONGRESSES

On some achievements and further development of modern surgery (speech at the opening of the second All-Russian Congress of Surgeons on September 24, 1962). A. A. Vishnevskii. Eksper. khir. i anest. no.1 3-7 '63.

SURGERY, OPERATIVE

Use of ACTH and corticosteroid hormones in surgical intervention. A. T. Pulatov. Vest. khir. 90 no.3 117-125 Mr '63.

SURGERY, OPERATIVE—CONGRESSES

Minutes of the Pirogov Surgical Society for meetings Nos. 1302 and 1303. V. M. Sitenko and others. Vest. khir. 90 no.3 137-144 Mr '63.

SURGERY, PLASTIC

Colpopoiesis in congenital aplasia of the vagina by transplanting the peritoneum of the rudimentary formation. I. D. Arist. Akush. i gin. no.2 88-91 '63.

Plastic surgery of ventral hernias with a preserved heterogeneous peritoneum. Zdrav. Kazakh. 23 no.2 32-34 '63.

Preoperative determination of the length of the mobilized intestine necessary for the creation of a transpleural artificial esophagus [with summary in English]. I. V. Pshenichnikov, E. A. Pechatnikova. Eksper. khir. i anest. no.1 36-39 '63.

SURGERY, PLASTIC—CONGRESSES

Minutes of the Plastic Surgery Section of the Pirogov Surgical Society for meetings Nos. 5-6. V. G. Vainshtein and others. Vest. khir. 90 no.3 145-151 Mr '63.

SURGICAL DRAINAGE see Drainage, Surgical

SURGICAL INSTRUMENTS AND APPARATUS

Technique of pallidotomy using the stereoencephalotome designed by the Scientific Research Institute for Experimental Surgical Apparatus and Instruments. A. A. Volkov, S. L. Matsuk. Eksper. khir. i anest. no.1 12-18 '63.

Three-toothed clamp. E. N. Sautin. Ortop., travm. i protez. no.1 76 '63.

Use of electrical scissors for the opening of tuberculous caverns of the lungs. I. I. Usov. Grud. khir. 4 no.6 112-113 N-D '62.

SURGICAL SOCIETIES

Report on the work of the societies of traumatologists and orthopedists for October and November 1962. A. M. Belous. Ortop., travm. i protez. 24 no.2 89-94 F '63.

SURVEYING

Brief news. Geod. i kart. no.9 74-76 S '63.

Poltev, N. F. [Principles of the surveying of frozen ground (selected chapters)] Osnovy merzlotnoi s"emki (izbrannye glavy). Pod red. V. A. Kudriavtseva. [Moskva] Izd-vo Mosk. univ., 1963. 98 p.

Principles of the surveying work in a detailed prospecting of peat deposits with a small surface area. N. I. Medvedev. Torf. prom. 40 no.4 12-13 '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Rules SN 225-62 for engineering surveys for industrial construction] Instruktsiia po inzhenernym izyskaniiam dlia promyshlennogo stroitel'stva (SN 225-62). Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1962. 28 p. [MICROFILM]

Zentsov, A. S. [Geodesy in the construction of large hydroelectric power stations and their tunnels] Geodeziia pri stroitel'stve krupnykh gidroelektrostantsii i ikh tunnelei; iz opyta rabot. Moskva, Gosgeoltekhizdat, 1963. 223 p.

SURVEYING—BIBLIOGRAPHY see Bibliography—Surveying

SURVEYING—TECHNOLOGICAL INNOVATIONS

Results of the competition for the best [illegible] mote efficiency. Geod. i kart. no.1 [illegible]

SUSHCHENKO, IVAN

So much warmth and clarity. [illegible] Dnipro Vasyl'ovych. Zhivi! 7 no.2 24-25 '63.

SUSHKEVICH, ANTON KAZIMIROVICH, [illegible]

Anton Kazimirovich Sushkevich, obituary. [illegible] Ist.-mat. zbir. 3.3-6 '62.

SUSLIKS

Age of the colonies of lesser suslike in different zones as related to the distribution and [illegible] range of the species. S. N. Varshavskii. [illegible] Otd. biol. 68 no.5 3-14 S-O '63.

SUSPENSIONS (CHEMISTRY)

Effect of alkaline tanning materials on aqueous [illegible] pensions [with summary in English]. A. I. [illegible] V. IA. Zemlianskaia. Koll. zhur. 25 no.[illegible] '63.

Effect of surface-active agents on the structures in concentrated nonaqueous suspensions [with summary in English]. V. V. Konstantinova and others. Koll. zhur. 25 no.5 555-560 S-O '63.

SUTURES

Physical and biological strengthening of the [illegible] ture applied to the small intestine during [illegible] following surgery. A. A. Zapol'skaia. [illegible] 7 no.8 565-568 Ag '63.

Resection of lung tissue in tuberculosis with [illegible] the UKL-60 apparatus. V. Zhemetskii, A. [illegible] Grud. khir. 4 no.6 68-72 N-D '62.

Use of the S-shaped suture and hepatic [illegible] of the liver [with summary in English]. [illegible] Vest. khir. 90 no.3 54-58 Mr '63.

SUVOROV, ALEKSANDR VASIL'EVICH, [illegible]

ICONOGRAPHY, PORTRAITS

Pomarnatskii, A. V. [Portraits of A. V. Suvorov [illegible] raphic essays] Portrety A. V. Suvorova [illegible] grafii. Leningrad, Izd-vo Gos. Ermitazh, [illegible] 177 p. illus.

SVERDLOVSK—CHEMICAL MACHINERY

Equipment must be ready in time! M. Kovel'. [illegible] no.20 32-35 O '63.

SVERDLOVSK—CIVIC IMPROVEMENT

Ganov, P. G., and N. V. Semukhin. [Municipal [illegible] of Sverdlovsk today and tomorrow] Gorodskoe [illegible] stvo Sverdlovska segodnia i zavtra. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 71 p.

SVERDLOVSK—DIATHESIS

Practice in treating exudative diathesis in children; data of the Sverdlovsk Pediatric Railway Hospital. T. E. Bogulkina, O. A. Sinitsynskaia, A. D. [illegible] trits. 42 no.1 82-85 Ja '63.

SVERDLOVSK—FIREMEN

In the name of life. L. Kekkelev. Pozh. delo no.7 31 '63.

SVERDLOVSK—FIRST AID IN ILLNESS AND [illegible]

Continuity in the work of a first aid station and physicians. V. A. Fialko. Zdrav. Ros. Feder. 7 no.9 35-39 Ag '63.

SVERDLOVSK—MACHINERY INDUSTRY—ACCOUNTING

Accounting for reducing labor expenditure in [illegible] price. M. Musin. Sots. trud 8 no.9 [illegible]

SVERDLOVSK PROVINCE—CAVES

Activity of the Sverdlovsk Speleological Society. P. P. Rubel'. Nov. kar. i spel. no.3 85-88 '63.

SVERDLOVSK PROVINCE—FIRES AND FIRE PREVENTION

In the land of the Urals. G. Borisova. Pozh. delo no.9 3-5 S '63.

SVERDLOVSK PROVINCE—GRAIN—STORAGE

Mechanical ventilation of seeds. L. A. Arin. Zer. [illegible] 25 no.8 76-79 Ag '63.

SVERDLOVSK PROVINCE—LUMBER—TRANSPORTATION

Bucking tree-length logs at wood processing [illegible] A. I. Aizenberg. Les. prom. 41 no.8 3-6 Ag [illegible]

SVERDLOVSK PROVINCE—MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING

Training of students in the machinery industry. [illegible] Liberman. Shkola i proizv. 7 no.9 50-53 S [illegible]

SVERDLOVSK PROVINCE—POTATOES—STORAGE

Provide potato storage with a dependable temperature regulation. S. Dianov, N. Petrov. Sov. torg. 34 [illegible] 27-30 S '63.

SVERDLOVSK PROVINCE—SCAFFOLDING

Raise scaffolding of the Tagil Construction Trust. I. I Kazantsev. Prom. stroi. 40 [i e, 41] no. 7 38-40 Jl '63.

SVIRIDENKO, PAVEL ALEKSEEVICH, 1893 (?)

Fifty years in the service of plant protection. B. V. Dobrovol'skii. Zashch. rast. ot vred. i bol. 8 no. 9, 61 S '63.

SVYDNYTS'KYI, ANATOL', 1834-1871

Defense of a dissertation. L. Z. Moroz. Rad. lit. 7 no. 5:158 S-O '63.

SWAMPS

(see also subdivision under Estonia, Kazakhstan)

Prospective machines for draining and reclaiming swamps. V. Skotnikov, D. Petrovich. Tekh. v sel'khoz. 23 no. 2:36-43 F '63.

SWAZILAND—STRIKES AND LOCKOUTS—MINERS

The "operation" in Swaziland. V. Kadmin. Az. i Afr. segs. no. 9:57-58 S '63.

SWEDEN—PARTICLE BOARD

Production and processing of chipboards in Sweden V. V. Amaliitskii. Der. prom. 12 no. 6:27-31 Je '63.

SWEDEN—POWER ENGINEERING

Prospects of the growth of power engineering in Sweden until 1980. IU. K. Atom. energ. 15 no. 3, 271 S '63.

SWEDISH LANGUAGE—INFINITIVE

Infinitive of purpose in modern Swedish. A. A. Khadeeva-Rykova. Vop. filol. no. 1:151-173 '62.

SWIMMING

Firsov, Z. P. [Like a fish a water] Kak ryba v vode. 5., perer. izd. Moskva, "Fizkul'tura i sport," 1963. 76 p. (Sport detiam)

SWINDLERS AND SWINDLING

"Sickly" young man. M. Mironov. Okhr. truda i sots. strakh. 6 no. 7, 35 Jl '63.

SWINE

Ladan, P. E., and A. A. Eremeev. [Swine raising; a textbook of practical problems] Svinovodstvo, posobie k prakticheskim zaniatiiam. Moskva, Sel'khozizdat, 1963. 157 p.
(DNAL)

Mazurkevych, M. S. [Maintenance of swine in outdoor runs in summer field bases] Vil'no-vyhul'ne utrymanaia svynei v taborakh. [Kyiv] Kyivs'ke obl. knyzhkovo-gazetne vyd-vo, 1963. 16 p.
(DNAL)

Trevoga, I. A., and I. P. Shevchuk. ["Ventay -Zaria", a highly-profitable farm] "Ventay-Zaria" — vysokorentabel'noe khoziaistvo. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1961. 46 p.
(DNAL)

We are walking toward the cherished goal. M. V. Zabrodin. Zhivotnovodstvo 24 no. 5:7-9 My '62.

SWINE—ANATOMY

Laryngeal nerves in swine. I. S. Kvachadze. Sbor. trud. Gruz. zootekh. -vet. nauch. -issl. inst. 32:101-107 '61.

SWINE—DISEASES AND PESTS

(see also subdivision under Kharkov Province; Novoazovskoye District; Pankrushikha District; Ukraine)

Aspergillotoxicosis in swine. V. V. Zhuravlev. Veterinariia 39 no. 9:33-34 S '62.

Lymphadenosis in swine. M. A. Shneider. Veterinariia 39 no. 9:54-55 S '62.

Prophylaxis of anemia in suckling piglets. M. Dvorzhak. Veterinariia 39 no. 9:50-52 S '62.

Stachybotryotoxicosis in swine. V. A. Koshevoi. Veterinariia 39 no. 9:32-33 S '62.

Swine influenza control. I. P. Prokopov. Veterinariia 39 no. 11:44-46 N '62.

SWINE—FEEDING AND FEEDS

(see also subdivision under Ukraine)

Advanced methods for fattening swines. A. Shliapin, V. Volodin. NTO 5 no. 9:21-24 Ag '63.

Aureomycin preparation No. 2 for fattening pigs. O. A. Chafkina, K. A. Volobueva. Veterinariia 39 no. 9:58-60 S '62.

Increase the profitableness of swine fattening. M. Feigin. Obshchestv. pit. no. 8:45-48 Ag '62.

Protein rates for fattening swine [with summary in English]. A. S. Kairis. Izv. TSKHA no. 2:131-140 '63.

SWINE ERYSIPELAS

Bacteriolytic effect of penicillin on the agent of swine erysipelas. V. M. D'iachenko. Veterinariia 39 no. 11:74 N '62.

SWINE ERYSIPELAS—PREVENTIVE INNOCULATION

Immunization of pigs against plague and erysipelas by a mixture of two vaccines. V. I. Antonenko. Veterinariia 39 no. 11:46-47 N '62.

SWINE HOUSES AND EQUIPMENT

(see also subdivision under Ukraine)

Circular house for fattening swine. S. Averbukh, K. Pliskovskii. Tekh. v sel'khoz. 23 no. 2:25-28 F '63.

SYMBOLIC AND MATHEMATICAL LOGIC see Logic, Symbolic and Mathematical

SYMMETRY (BIOLOGY)

Dopenchuk, N. P. [Symmetry and asymmetry in living nature] Simmetriia i asimmetriia v zhivoi prirode. Kiev, Izd-vo Akad. nauk USSR, 1963. 174 p.

SYMPHONIC POEM

Popova, T. V. [The symphonic poem] Simfonicheskaia poema. Izd. 3., perer. Moskva, Muzgiz, 1963. 31 p. (Muzykal'nye formy i zhanry)

SYNTHETIC FABRICS

Please give me three meters of .... Zhen. mira no. 2: 32 '63.

Shaping of clothing elements made from "porolon." I. V. Orlov, A. N. Gerasimova. Izv. vys. ucheb. zav., tekh. leg. prom. no. 4 113-118 '63.

SYNTHETIC FABRICS—TESTING

Strength of cord subjected to repeated bending tests E. A. Nemchenko, N. V. Denisenko. Khim. volok no. 5 55-59 '63

SYNTHETIC PRODUCTS

Address to the workers of the chemical industry in the Yaroslavl Province. Lakokras. mat. i ikh prim. no. 4 1 '63.

SYNTHETIC RUBBER see Rubber, Synthetic

SYNTUL—FOUNDRIES

From manual stamping to conveyor production. IU. K. Golovitsyn. Za indus. Riaz. no. 2:42-43 D '61.

SYPHILIS

Abstracts. G. Egorov and others. Vest. derm. i ven. 37 no. 2, 89-90 F '63.

State of the properdin system in patients with syphilis [with summary in English]. I. IA. Shekhtmeister, I. L. Chertkov, V. P. Karpushkin. Vest. derm. i ven. 37 no. 1:62-65 Ja '63.

SYPHILIS—DIAGNOSIS

Role of mass serological examinations for the detection of latent syphilis [with summary in English]. M. P. Batunin, G. A. Berlin. Vest. derm. i ven. 37 no. 1 66-69 Ja '63.

Seroresistant syphilis. S. S. Gorbulev. Vest. derm. i ven. 37 no. 1, 58-61 Ja '63.

Use of the Treponema immobilization reaction for the diagnosis of syphilis [with summary in English]. S. G. Alieva, A. Kh. Abdullaev. Vest. derm. i ven. 37 no. 2: 60-65 F '63.

Wassermon test for sick persons and pregnant women. A. IA. Tikhonova, V. I. Pavlova. Vest. derm. i ven. 37 no. 1:69-70 Ja '63.

SYR DARYA DISTRICT (KYZL-ORDA PROVINCE)—COOPERATIVE SOCIETIES

What is the reason? The lack of control. R. Ishmeev. Koop. Kazakh. 6 no. 3:18-19 Je '63.

SYRIA—FOREIGN RELATIONS—ISRAEL

SYR DARYA VALLEY—GEOLOGY, STRATIGRAPHIC

Geomorphology and Quaternary sediments of Syr Daya region. V. M. Borovskii. Trudy Otd. geog. AN Kazakh SSR no. 10:54-86 '63.

SYR DARYA VALLEY—GEOMORPHOLOGY

Geomorphology and Quaternary sediments of the Syr Daya region. V. M. Borovskii. Trudy Otd. geog. AN Kazakh. SSR no. 10:54-86 '63.

SYRIA—FOREIGN RELATIONS—ISRAEL

For the 101st time. I. Sotnikov. Nov. vrem. 21 no. 38: 7-8 S '63.

SYRIA—RELATIONS (GENERAL) WITH ARMENIA

Armenian cultural contacts with Syria in the fourth and fifth centuries [in Armenian with summary in Russian]. G. G. Melkonian. Ist.-filol. zhur. no. 2:127-138 '63.

SYRINGES

An all-purpose valveless syringe for continuous injection and aspiration of liquids and gases. I. F. Lipnitskii. Grud. khir. 4 no. 6:111-112 N-D '62.

Syringe for general use. I. F. Lipnitskii. Eksper. khir. i anest. no. 1:83-84 '63.

SYSTEMS (CHEMISTRY)

Boundary of the spontaneous slaking of slag in the system $CaO - MgO - Al_2O_3 - SiO_2$. I. I. Gul'tiai, G. A. Sokolov. Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 4:85-90 Jl-Ag '63.

Change of the type of singular star of quinary systems when a sulfate ion is substituted for halides. V. I. Posypaiko. Zhur. neorg. khim. 8 no. 9:2178-2183 S '63.

Effect of chromium oxides on the viscosity and conductance of melts in the system silicon oxide - magnesium oxide - aluminum oxide. R. A. Liutikov, L. M. TSylev. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no. 2 59-66 Mr-Ap '63.

Equations for fusibility curves of simplest binary systems. Report No. 2. A. N. Kirgintsev, E. G. Avvakumov. Izv. SO AN SSSR no. 7, Ser. khim. nauk no. 2:8-19 '63.

Interaction between gallium, sodium, copper (I), and silver chlorides. P. I. Fedorov, V. M. IAkunina. Zhur. neorg. khim. 8 no. 9:2103-2105 S '63.

Investigating the high-temperature strength of alloys in the system $Ni_3Al - Ni_3Nb$. R. S. Mints, G. F. Beliaeva, IU. S. Malkov. Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 4 151-153 Jl-Ag '63.

Isomorphic mixability in the series $CaCO_3$-$MnCO_3$ [with summary in English]. V. I. Pavlishin, M. M. Slivko. Min. sbor. no. 16:445-449 '62.

On some cases of the formation of tetrahedral four-component systems [with summary in English]. A. S. Berezhnoi. Dop. AN URSR no. 8:1055-1057 '63.

Phase transitions in the systems $TiCl_4 - POCl_3 - AlCl_3$ ($NbCl_5$, $TaCl_5$) [with summary in English]. B. A. Voitovich, A. S. Barabanova. Dop. AN URSR no. 8:1068-1072 '63.

Physicochemical analysis of binary systems with exchange interaction. IU. IA. Fialkov, G. N. Feneriti. Zhur. neorg. khim. 8 no. 9:2168-2177 S '63.

Reciprocal system consisting of chlorides and bromides of lithium and silver. A. G. Bergman, A. S. Arabadzhan. Zhur. neorg. khim. 8 no. 9, 2148-2150 S '63.

Stable cross sections of the quaternary reciprocal system consisting of fluorides and chlorides of lithium, sodium, and potassium. A. G. Bergman, S. I. Berezina, E. L. Bakumskaia. Zhur. neorg. khim. 8 no. 9 2144-2147 S '63.

Systems RbCl - WCl_6, RbCl - WCl_5, CsCl - WCl_6, and CsCl - WCl_5. L. V. Vasil'kova, N. D. Zaitseva, V. A. Petrova. Zhur. neorg. khim. 8 no. 10:2369-2371 O '63.

Ternary reciprocal system consisting of fluorides and chlorides of lithium and potassium. S. I. Berezina, A. G. Bergman, E. L. Bakumskaia. Zhur. neorg. khim. 8 no. 9:2140-2143 S '63.

Thermodynamic analysis of solid-phase reactions in the system $SrCO_3 - SiO - SiO_2$. H. M. Matsveeu, M. A Matsveeu. Vestsi AN BSSR, Ser. fiz. -tekh. nav. no. 3: 59-62 '63.

TABLE ETIQUETTE

Table talk. Nauka i zhizn' 30 no. 9:41 S '63.

TABLE TENNIS

Ivanov, V. S., and V. V. Kollegorskii. [Table tennis] Tennis na stole. Izd. 2., ispr. i dop. Moskva, Izd-vo "Fizkul'tura i sport," 1963. 147 p.

TABLES

Improving the frames of round extension tables. A. M. Kuzina, I. M. Gorachek. Der. prom. 12 no. 10:14 O '63.

TABULATA see subdivision under Kazakhstan

TACTICS

Answer to a tactical problem published in No. 6, 1962. Voen. vest. 42 no. 11:38 N '62.

Answers to problems. Voen. vest. 43 no. 9:37 S '63.

Foreign language in tactical exercises. M. Bol'shakov. Voen. vest. 42 no. 11:82-83 N '62.

Independent actions of small units. L. Korzun. Voen. vest. 42 no. 11:20-22 N '62.

Methodological exercises with sergeants on tactics. Janos Vizi. Voen. vest. 42 no. 11:41-42 N '62.

"Tactics of small units in modern combat"; discussion of the article published in No. 2. M. Deshko, V. Vinnikov, N. Riabov. Voen. vest. 43 no. 9:34-36 S '63.

TAGANROG GULF—FISHERIES

Biological basis for efficient fisheries in the Taganrog Gulf of the Sea of Azov. A. N. Smirnov, V. M. Naumov. Vop. ikht. 3 no. 3:460-471 '63.

TAGIL REGION—LUMBERING

Tagil practices in logging operations with the protection of young growth. G. IAkovlev, V. Guslavskii. Les. prom. 41 no. 7:14-17 Jl '63.

TAILORS—DISEASES AND HYGIENE

Better hygiene conditions produce greater work output. Mest. prom. i khud. promys. 4 no. 4:16 Ap '63.

TAIROVA, KHAMROKH

Khamrokh Tairova, a construction engineer from a sunny country. A. Chekhovskaia. Zhen. mira no. 2:18-20 '63.

TAJIK POETRY—HISTORY AND CRITICISM

New day of Tajik poetry. A. Gordon. Znamia 33 no. 9: 222-223 S '63.

TAJIKISTAN—ALMOND BREEDING

Ways for developing new almond varieties in Tadzhikistan. A. A. IAdrov. Vest. sel'khoz. nauki 8 no. 3:89-91 Mr '63.

TAJIKISTAN—ECONOMIC POLICY
[illegible] Tajikistan, v sotsialisticheskom stroitel'stve Tadzhikistana. Zhenshchiny, no. 2 18-20 [illegible]

TAJIKISTAN—EDUCATION
[illegible] Tadzhikistan, 22 [illegible] 140 [illegible]

TAJIKISTAN—OILS AND FATS
[illegible] Tadzhikistan [illegible] V. I. Ternovoi, Maslo-[illegible]

TALASS VALLEY—ANTIQUITIES
Akademiia nauk Kirgizskoi SSR, Frunze. Institut istorii [Archeological monuments of the Talass Valley] Arkheologicheskie pamiatniki Talasskoi doliny. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 261 p.

TALC see subdivision under Ural Mountains

TALC—ANALYSIS
Chemical, [illegible] analysis of talc materials [illegible] talc deposit. P. V. Barsanov, [illegible] Inst. Prikl. Mineralogii. Trudy, no. 5, 1962. [illegible]

TALC—THERAPEUTIC USE
Results of [illegible] talc in combination with [illegible] [with summary in English] Sh. A. Fatkhutdinov. Vrach. delo, no. 9, 54-56 S '63.

TALES, AFRICAN
Akademiia nauk SSSR. Institut narodov Azii. [The legend of Lomo Fumu, folk tales of the peoples of Africa] Skazanie o Lomo Fumu, skazki narodov Afriki. Moskva, Izd-vo vostochnoi lit-ry, 1962. 391 p. (MH)

TALES, SIBERIAN
Mikhaylov-Sverbeyev, IV. [Tales of Mikhaich'a] Skazki Michel'a. [Paris, Russisches Wissenschaftliches Institut, 1961?] 151 p. (MiU)

TALYSH MOUNTAINS—FOREST REPRODUCTION
Natural regeneration of persimmon forests in Talysh. S. K. Averkiev. Les khoz. 16 no. 3:18-19 Mr '63.

TALYSH MOUNTAINS—PERSIMMON
Natural regeneration of persimmon forests in Talysh. S. K. Averkiev. Les khoz. 16 no. 3:18-19 Mr '63.

TAMAN—GLASS
Akademiia nauk SSSR. Institut arkheologii. [Pottery and glass of ancient Tmutarakan'] Keramika i steklo drevnei Tmutarakani. Moskva, Izd-vo Akad. nauk SSSR, 1963. 184 p.

TAMAN—POTTERY, ANCIENT
Akademiia nauk SSSR. Institut arkheologii. [Pottery and glass of ancient Tmutarakan'] Keramika i steklo drevnei Tmutarakani. Moskva, Izd-vo Akad. nauk SSSR, 1963. 184 p.

TAMAN PENINSULA—SARCOPHAGI
Second trip of the Taman sarcophagus. N. Platysheva. Nauka i zhizn' 30 no. 9:19-22 My '63.

TAMBOV—CHEMICAL MACHINERY
Work [illegible] of a factory party organization. A. Gorshkov, M. Galushko. Part. zhizn' no. 13 46-49 Jl '63.

TAMBOV—FIRES AND FIRE PREVENTION
The [illegible] came... N. Kazimin. Pozh. delo 9 no. 7 16 Jl '63.

TAMBOV—MACHINERY INDUSTRY
When workers lend their voluntary assistance. M. I. Malakhov. Mashinostroitel' no. 9 45 S '63.

TAMBOV—TECHNICAL SOCIETIES
Use advanced experience. M. Malakhov. NTO 5 no. 8: 54-55 Ag '63.

TAMBOV PROVINCE—PLANTS, PROTECTION OF
Enemies in Tambov. V. E. Savzdarg. Zashch. rast. ot vred. i bol. 8 no. 8:6-9 Ag '63.

TAMBOV PROVINCE—VETERINARY MEDICINE
Veterinarians of Tambov Province for the development of animal husbandry. M. F. Sokolov. Veterinariia 39 no. 9:5-9 S '62.

TANGANYIKA—MOTION PICTURES
"The promised land." Az. i Afr. seg. no. 10 46 O '63.

TANK CARS
Selecting the radiator type for the warming up of tank cars during the discharge of highly viscous goods. V. A. Lizunov. Vest. TSNII MPS 22 no. 6:62-63 '63.

TANK CARS—SAFETY APPLIANCES
Limiter of the filling of tank cars with petroleum products. I. M. Gavrilin. Za indus. Riaz. no. 2:49-50 D '61.

TANK TRUCKS
The PTS-1 single-axle tractor tank trailer. N. I. Polunin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:55-56 '63.

TANK TRUCKS—STANDARDS
Standardization of tanks mounted on motortrucks and trailers. I. Igiazarov, IU. Sokolov. Avt. transp. 41 no. 5:41-42 My '63.

TANK VESSELS
Heat conditions on tank vessels. G. Sizov, IU. Bibikov. Rech. transp. 22 no. 9:35-37 S '63.

"Sofila"-type tank vessel. N. A. Shabrov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:61-62 '63.

Twenty-ton capacity tank barge. V. P. Popov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:65 '63.

TANK VESSELS—CLEANING
New method for cleaning vessels for petroleum products. R. G. Babaev, P. D. Odarich. Za tekh. prog. 3 no. 3 43-44 Mr '63.

TANK WARFARE
Commander makes a decision on the march. Kh. Ismailov. Voen. vest. 42 no. 11:27-29 N '62.

Experience in methods and training periods. N. Fomin. Voen. vest. 42 no. 11:47-50 N '62.

From line to line. A. Shkulov. Voen. vest. 42 no. 11: 16-19 N '62.

From practice in working out a field exercise. M. Kolesnichenko. Voen. vest. 43 no. 9 48-51 S '63.

Heroes of one battle. V. Smirnov. Voen. vest. 43 no. 9 7-10 S '63.

Lessons of a "battle." G. Stampfler. Voen. vest. 42 no. 11:39-41 N '62.

Night operations know how to orient well. V. Vinnikov. Starsh.-serzh. no. 5:10-11 My '63.

Pursuit of the enemy by formations of armored combat vehicles. V. Fedorenko. Voen.-ist. zhur. 5 no. 8: 25-37 Ag '63.

Raid to the gulf. I. Kravchenko. Voen. vest. 43 no. 9 10-12 S '63.

Tank company in the forward detachment. L. Kozlovskii. Voen. vest. 42 no. 11:23-27 N '62.

Training in long-range shooting. V. Ivanisenko, N. Osinov. Voen. vest. 43 no. 9 106-109 S '63.

Training of driver-mechanics. V. Sedov, S. Ignat'ev, S. Roitberg. Voen. vest. 42 no. 11:57-59 N '62.

Training of tankmen in firing from concealed positions. A. Sysoev. Voen. vest. 42 no. 11:105-107 N '62.

TANKS
(see also subdivision under Vinnitsa Province)
Automatic control of tank filling and pump interlocking. V. A. Vukhsman, O. T. Molodetskaia. Mekh. i avtom. proizv. 17 no. 8:15-17 Ag '63.

Consultation. V. I. Titkov. Neftianik 8 no. 2:31 F '63.

TANKS (MILITARY SCIENCE)
Foreign military news. Voen. vest. 43 no. 9:123-124 S '63.

Main striking force of the land troops. Voen. vest. 43 no. 9 3-6 S '63.

New books on the military operations of Soviet tankmen. IA. Zimin. Voen.-ist. zhur. 5 no. 8:92-97 Ag '63.

New method of deactivating tanks. I. Sukhomlin, V. Pomaranchuk. Voen. vest. 42 no. 11:109-110 N '62.

Practical training as a basis of instruction. V. Poliakov. Voen. vest. 42 no. 11:53-54 N '62.

Rockets on armored cars. M. Novikov. Starsh.-serzh. no. 5:32-33 My '63.

Sighting from a tank with a reference mark for the burst. IU. Semenov, N. Romanov. Voen. vest. 43 no. 9:100-103 S '63.

The tank is a terrible weapon. N. Koroltkov. Voen. znan. 39 no. 9:5-6 S '63.

TANNING
Effect of alkaline tanning materials on aqueous clay suspensions [with summary in English]. A. K. Miskarli, V. IA. Zemlianskaia. Koll. zhur. 25 no. 5:572-577 S-O '63.

Investigating the counterflow tanning method. I. T. Shvaranda, M. P. Kotov, I. N. Brykalova. Izv. vys. ucheb. zav., tekh. leg. prom. no. 2:103-109 '63.

New methods for skin tanning. A. I. Meteikin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:43-45 '63.

Resistive force of the contact friction of chrome-vegetable and vegetable tanned leather for soles. V. N. TSvetkov, V. N. Glukhov. Izv. vys. ucheb. zav., tekh. leg. prom. no. 2:60-66 '63.

TANNING MATERIALS—TESTING
Method for determining the activity of tanning extracts. G. I. Fridiland, Z. S. Rozova, T. F. Semenova. Nauch.-issl. trudy TSNIILV 16.125-138 '62.

TANNINS
Result of the use of tannin in the roentgenological examination of the gastric mucosa [with summary in English]. E. Kuus. Vest. rent. i rad. 38 no. 1 32-34 Ja-F '63.

TANTALITE
Studying the electrochemical properties of [illegible] surface during its interaction with [illegible] reagents. S. I. Polkin, T. B. Naftanova, [illegible] Izv. AN SSSR. Otd. tekh. nauk. Met. i [illegible] 172 Mr-Ap '63.

TANTALUM
New variety of columbite with a high [illegible] from granite pegmatites of Siberia. V. [illegible] V. B. Aleksandrov, M. I. Kuz'mina. [illegible] no. 14 108-121 '63.

TANTALUM—SPECTRA
Spectral radiation coefficients of tantalum and niobium. B. A. Ishmatalev, L. P. [illegible] Rakov. Teplofiz. vys. temp. 1 no. 1 [illegible]

TANTALUM COMPOUNDS
Orthotantalates of lanthanum, [illegible] E. L. Krylov, M. M. Ilinova, [illegible] khim. 8 no. 10:2954-2957 O '63.

State of tantalum (V) in solutions of [illegible] hydrofluoric acid, and hydrogen peroxide [illegible] bivanates. Zhur. neorg. khim. 8 no. 10:2251-2254 O '63.

TAPEWORMS
(see also subdivision under Alma-Ata Province)
Resistance of the eggs of the dwarf tapeworm [illegible] mitkov. Zdrav. Kazakh. 24 no. [illegible]

Testing the scolex precipitation reaction [illegible] sis of farm animals. V. T. Ilinov [illegible] nauki [Kaz. akh.] 6 no. [illegible] '63.

TAR
Effect of tar substances on the thermal [illegible] fuels [in Azerbaijani with summary in Russian]. Mardanov, G. Z. Alekperov, I. [illegible] neft. khoz. 42 no. 1 34-36 Ja '64.

TAR—TESTING
Use of an ultrasonic viscosimeter to determine [illegible] cosity of tar solutions used to chemically [illegible] rocks. V. V. Davydov and others. Neftepromysl. [illegible] 122-126 '63.

TASHKENT—COMMUNIST PARTY OF THE [illegible] UNION
Such is the truth. IA. Pomenko. Part. zhizn' 51 S '63.

TASHKENT—CONSTRUCTION INDUSTRY
Urban development should have precise [illegible] slovtsev. Nar. khoz. U. b. 5 no. 9:[illegible]

TASHKENT—DIPHTHERIA
Clinical and epidemiological state of diphtheria [illegible] kent (1955-1956). S. B. Dubovinskii and others. Tashk. NIIVS 5:124-138 '62.

TASHKENT—PUBLISHERS AND PUBLISHING
Without due attention. G. Guzairov. Part. zhizn' 77-78 O '63.

TASHKENT—RAILROADS—EMPLOYEES
The role of trade-union organizations of the [illegible] Railroad in the struggle for the fulfillment [illegible] year plan ahead of schedule. D. Muminov. Tashk. politekh. inst. no. [illegible]

TASHKENT—SAND FLIES
Some biological regularities in the annual cycle [illegible] flies according to observations in Tashkent. [illegible] No. 1: Effect of precipitation on the number [illegible] flies. A. I. Lisova. Trudy TashNIIVS 5 [illegible]

Some biological regularities in the annual cycle [illegible] flies according to observations in Tashkent. [illegible] No. 2 Time of increase in the number of [illegible] A. I. Lisova. Trudy TashNIIVS 5:201-212 '62.

TASHKENT PROVINCE—COTTON—DISEASES AND PESTS
Harmfulness of spider mite to cotton. N. I. [illegible] Zashch. rast. ot vred. i bol. 8 no. [illegible]

TASHKENT PROVINCE—RED SPIDER
Harmfulness of spider mite to cotton. N. I. [illegible] Zashch. rast. ot vred. i bol. 8 no. [illegible]

TASHKENT REGION—ATMOSPHERE
Measurements of the local functions of aerosol [illegible] free atmosphere. E. A. Chalanova. Trudy [illegible] 49-60 '62.

TATAR A.S.S.R.—COSTS, INDUSTRIAL
Using the index of standard manufacturing [illegible] menov. Plan. khoz. 40 no. 10:36-40 O '63.

TATAR A.S.S.R.—HISTORY
Andrianov, N. A. [Reestablishment of the Soviet [illegible] and the consolidation of its power in the Tatar [illegible] 1918-1920] Vosstanovlenie Sovetskoi vlasti i [illegible] ee apparata v Tatarii, 1918-1920 godu. Kazan', [illegible] skoe knizhnoe izd-vo, 1962. 99 p. (MH)

TATAR A.S.S.R.—LABOR AND LABORING CLASSES—EDUCATION
Economic instruction in industrial plants. P. Taheev Prof.-tekhn. ob. 20 9-15 O '63.

TATAR A.S.S.R.—PETROLEUM PRODUCTION
Organize production on a new basis through the use of new equipment. A. I. Shvatin. Neftianik 8 no. 2:11-12 F '63.

TATAR A.S.S.R.—POPLAR
Practices in mechanized preparation of soils for planting large nursery saplings. M. A. Attikov. Les. khoz. 16 no. 7:34-36 Jl '63.

TATAR A.S.S.R.—SOVIETS
Our people advise and teach us. A. Absaliamov. Sov. deput. trud no. 1:15-17 Ja '63.

TATAR A.S.S.R.—TREE PLANTING
Practices in mechanized preparation of soils for planting large nursery saplings. M. A. Attikov. Les. khoz. 16 no. 7:34-36 Jl '63.

TATISHCHEV, VASILII NIKITICH, 1686-1750
Instructional source materials used in V. N. Tatishchev's Russian history." A. G. Kuchkin. Vop. ist. 38 no. 9:211-218 S '63.

TAXICABS see subdivision under Kaliningrad

TAYMYR NATIONAL AREA—CHIOLITE
Lower Chiolitus chiolites of the genus Torellella in the Anabar arch. V. A. Sysoev. Paleont. zhur. no. 3 49-55 '63.

TEA MACHINERY see subdivision under Azerbaijan

TEACHERS
(see also subdivision under Nezhin District)
Master worker in education. I. Gal'perina. Doshk. vosp. 36 no. 8:83-85 Ag '63.
Shepherds in Friendship street. V. Bulgakov. Doshk. vosp. 36 no. 8:80-83 Ag '63.
Teachers and public figures. I. Smolova, P. Gusarin. Doshk. vosp. 36 no. 6:75 S '63.
Their education. G. Shishkova. Doshk. vosp. 36 no. 7:95-100 Jl '63.
Who choose skills. A. Shpak. Doshk. vosp. 36 no. 8:75-76 S '63.

TEACHERS—LEAVES OF ABSENCE
Replies to our readers. Sov. profsoiuzy 19 no. 16:44-45 S '63.

TEACHERS—LEGAL STATUS, LAWS, ETC.
Retirement of several posts by pedagogical workers. IU. Vasil'ev. Sots. trud 8 no. 9:133-139 S '63.

TEACHERS—SALARIES, PENSIONS, ETC.
Replies to our readers. Sov. profsoiuzy 19 no. 16:41-45 Ag '63.

TEACHERS, TRAINING OF
(see also subdivision under Bataysk; Kiev; Kiev Province; Zhitomir Province)
Coordination of institutions of higher learning to teachers. M. V. Shchelkunov, A. B. Rapava. Vest. vys. shkoly 21 no. 9:75-76 S '63.

TEACHING
(see also subdivision under Ukraine)
All children can learn well. M. I. Kozenko. Nach. shkola 31 no. 9:81-86 S '63.
Dyminova, M. P. [Teacher's notebook] Zapiski uchitel'nitsy 3., ispr. i dop. izd. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962, 78 p. (Pedagogicheskie etiudy)
(NIC)
Independent work with textbooks. B. Sakharov. Shkola-int no. 4:51-53 Jl-Ag '63.
Main result is maximal success of students in their studies. Sh. Dzavakhishvili. Shkola-int no. 1:36-38 Jl-Ag '63.
Observations and experiments as a source of student educational activities. L. B. Lobinova. Rad. shk. 42 no. 5:33-36 My '63.
Pedagogical efficiency of the new system of classes. V. I. Chepelev, T. IA. Nesterenko, I. F. Teslenko. Rad. shk. 42 no. 9:31-38 S '63.
Talent to love people. V. Bocharova. Doshk. vosp. 36 no. 9:73-74 S '63.
Use of the practical experience of students in class. B. M. Shabnov, N. S. Korolev, M. L. Zhuravleva. Sred. spets. obr. 10 no. 9:33-39 S '63.
Words are convincing. S. I. Veksler. Rad. shk. 42 no. 9:13-16 S '63.

TEACHING MACHINES
Control machine OM-1. V. P. Puhanov, A. A. Neven. Rad. shk. 42 no. 9:47-50 S '63.

TECHNETIUM
Electromigration method for determining the physicochemical constants of the compounds in a state of extreme dilution. Part 2: Determination of the series of physicochemical values of Tc and Re compounds. V. P. Shvedov, K. V. Kotegov. Radiokhimiia 5 no. 3:374-378 '63.

TECHNICAL ASSISTANCE, AMERICAN see subdivision under India

TECHNICAL ASSISTANCE, RUSSIAN see subdivision under Afghanistan, India

TECHNICAL EDUCATION
(see also subdivision under Belgorod, India, Moscow, Ukraine)
From the pages of the press. Sred. spets. obr. 10 no. 9:62 S '63.
Let's give our land specialists with a wide range of professional qualifications, curricula on the automation of industry. I. I. Petrov. Vest. vys. shkoly 21 no. 9:11-15 S '63.
Toward new successes in the current school year. Sred. spets. obr. 10 no. 9:1-5 S '63.

TECHNICAL LIBRARIES
Experience with joint operations of the Central Library of Science and Technology and the technical libraries of the enterprises of the Lower Volga Economic Council. V. III. Sidorova. NTI no. 8:7 '63.

TECHNICAL SOCIETIES
(see also subdivision under Bulgaria, Kaliningrad Province, Krasnoyarsk Territory; Moscow, Ryazan Province; Tambov; Ukraine, White Russia)
Develop voluntary principles. IA. Kil'man. NTO 5 no. 8:53-54 Ag '63.
Improve the activity of organizations of scientific and technological societies. G. Zedginidze, Z. Lordkipanidze. NTO 5 no. 8:9-11 Ag '63.
More attention to new equipment. NTO 5 no. 8:37-38 Ag '63.
The most important section of our work. P. Kostenko. NTO 5 no. 8:51-52 Ag '63.
Toward the Third Congress of the Scientific and Technological Society of the Machinery Industry. N. S. Fedotenko. Mashinostroitel' no. 9:44 S '63.
Train a builder of communism in creative work. NTO 5 no. 8:2-5 Ag '63.

TECHNICIANS IN INDUSTRY
(see also subdivision under Europe, Eastern; Kazakhstan)
Establishing norms for the number of designers. I. Shchiklin. Sots. trud. 8 no. 7:113-119 Jl '63.
On the duty and honor of the Soviet engineer. P. Chernyshev. Sots. trud 8 no. 9:3-11 S '63.
Specialists and the technological progress. IU. I. Grachev, V. D. Filippov. Khleb. i kond. prom. 7 no. 9:19-21 S '63.

TECHNOLOGICAL INNOVATIONS
(see also subdivision under Chimkent Province; Karaganda Province; Leningrad; Ossetia, North, Ryazan Province; Soviet Central Asia, White Russia)
Abroad. Nauka i zhizn' 30 no. 5:58-59 My '63.
Abroad. Nauka i zhizn' 30 no. 9:52-53 S '63.
Adaptation fund and prices for new machinery. A. Gogoberidze, G. Ivanov. Plan. khoz. 40 no. 10:26-32 O '63.
All-Union inspection of the fulfillment of the plans for research work and of the utilization of the achievements of science and technology in the national economy. Spirt prom. 29 no. 6:13-16 '63.
Al'tov, G. [Ten per cent adventures] Desiat' protsentov prikliuchenii. Tambov, Tambovskoe knizhnoe izd-vo, 1962, 40 p. (Bibliotechka novatora, no. 3)
At various latitudes. Znan. ta pratsia no. 3:16-17 Mr '63.
Concerning the All-Union volunteer inspection of the carrying out of scientific research plans and the introduction of achievements in science and technology to the national economy. Lit. proizv. no. 8:42-43 Ag '63.
Credits for capital assets. N. Barkovskii. F. 21 no. 10:3-11 O '63.
Efficiency of credit for production mechanization expenditures. V. Ivanter. F. no. 10:27-34 O '63.
Every engineer and technician should have a creative plan. V. Aleksandrov. Mashin. 46 S '63.
[Find the logical way] Naiti razumnoe. T. skoe knizhnoe izd-vo, 1962, 16 p. (Bibl. novatora, no. 6)
From the Exhibition of the Achievements of Economy of the U. S. S. R. G. I. Dashevskoi, i term. obr. met. no. 10:23-31 O '63.
Important objective of the national economy. Avtom. proizv. 17 no. 9:1-3 S '63.
Improve the planning of technological progress. Plan. khoz. 40 no. 10:20-26 O '63.
In all the world. Znan.-sila 38 no. 3:22-23.
In the All-Union Council of the Scientific and Technical Societies. Khleb. i kond. prom. 7 no. 6:23.
In the whole world. Znan.-sila 38 no. 7:23.
Korneev, S. G. [Secrets of creative activity] Tvorchestva, Tambov, Tambovskoe knizhnoe izd-vo, 1962, 31 p. (Bibliotechka novatora, no. 5)
A little about many things. Znan.-sila 38 no. 3:22-23 Mr '63.
Russia (1923- U. S. S. R.) Gosudarstvennyi planovoi komitet. [Methodology for determining the economic efficiency of the introduction of new machinery, the mechanization and the automation of production processes into industry, adopted by the State Planning Committee of the U. S. S. R. December 9, 1961] Metodika opredeleniia ekonomicheskoi effektivnosti vnedreniia novoi tekhniki, mekhanizatsii i avtomatizatsii proizvodstvennykh protsessov v promyshlennosti, utverzhdeno Gosplanom SSSR 9 dekabria 1961. Moskva, Izd-vo Akad. nauk SSSR, 1962. 15 p.
Technical information. Okhr. truda i sots. strakh. 6 no. 9:30-35 S '63.
This can be used in your enterprise. Mashinostroitel' no. 9:25-26 S '63.
This could be used in your enterprise. Mashinostroitel' no. 8:18-19 Ag '63.

TECHNOLOGICAL INNOVATIONS—BIBLIOGRAPHY see Bibliography—Technological innovations

TECHNOLOGY—BIBLIOGRAPHY see Bibliography—Technology

TECHNOLOGY—INFORMATION SERVICES
Shekhurin, D. E. [Basic principles for the development of information in the Scientific Research Institute] Osnovnye printsipy razvitiia informatsii v NII, stenogramma doklada, prochitannogo v LDNTP na zaniatiiakh seminara rabotnikov sluzhb tekhnicheskoi informatsii. Leningrad, 1963. 33 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia Metodika postanovki nauchno-tekhnicheskoi informatsii i propagandy)

TECHNOLOGY—TERMINOLOGY
Significance of scientific and technological terminology in the development of scientific information work. O. I. Globachev. NTI no. 4:8-11 '63.

TECTONITE
Regular orientation of minerals in rocks; tectonites and pseudotectonites [with summary in English]. N. A. Eliseev. Min. sbor. no. 16:154-170 '62.

TEJAN-SIE, BANJA, 1917-
Raul Prebish. Banja Tejan-Sie. Nov. vrem. 21 no. 12:31 O '63.

TEKELI REGION (KAZAKHSTAN)—MINE TIMBERING
Sprayed concrete supports in the Tekeli Mine. V. S. Voronin. Shakht. stroi. 7 no. 10:13-16 O '63.

TELECOMMUNICATION
Along the paths of radiowaves. IU. Kalinin. Sem'ia i shkola 18 no. 8:41-43 Ag '63.
Better use of postal equipment in telecommunication enterprises. L. IA. Klobukov. Vest. sviazi 23 no. 9:19-20 S '63.
Improve the level of economic work in telecommunication. P. V. Kuznetsov, M. A. Kuznetsov. Vest. sviazi 23 no. 9:11-12 S '63.
Increasing the interference proofness of discrete telemechanical communications by means of a two-threshold receiver. M. S. Granovskii. Za tekh. prog. 3 no. 9:5-6 S '63.
Khanovich, I. G. [Potential interference rejection of telecommunication systems] Potentsial'naia pomekhoustoichivost' sistem sviazi, uchebnoe posobie. Leningrad, Leningr. elektrotekhn. in-t sviazi, 1962. 78 p.
Reliable helpers of the party. V. A. Savanchuk. Vest. sviazi 23 no. 9:13-15 S '63.
We are improving our service to the public. V. E. Zhavoronok. Vest. sviazi 23 no. 9:16-18 S '63.

TELECOMMUNICATION—ABSTRACTS
[Radio engineering and telecommunication] Ref. zhur.: Radiotekh. i elektrosviaz' no. 10 O '63.

TELEPHONE

Dzhurinskii, G. I. [Organization of long-distance telephone communications at enterprises] Organizatsiia mezhdugorodnoi telefonnoi sviazi na predpriiatiiakh; posobie dlia vypolneniia kursovogo proekta. Leningrad, Leningr. elektrotekhn. in-t sviazi, 1962. 71 p.

Garin, A. S., L. V. Prorodov, and M. M. Mogilevskii [Telephony] Telefoniia. Moskva, Vcenizdat, 1963. 397 p.

[Rural K-40/60 crossbar automatic telephone exchanges] Sel'skie koordinatnye ATS K-40/60; informatsionnyi sbornik. Moskva, Sviaz'izdat, 1963. 109 p., diagrs. (Tekhnika sviazi)

Telephone lines. V. Ilichev. Tekh. i ekon. inform. sviazi 23 no. 3:30-31 Mr '63.

Zapletin, V. V. [Electronic 20/100 automatic telephone exchange] Elektronnaia ATS-20/100, uchebnoe posobie. Leningrad, Leningr. elektrotekhn. in-t sviazi, 1962. 74 p.

TELEPHONE--EMPLOYEES

A commendable practice yields good results. L. M. Makolkin. Vest. sviazi 23 no. 9:26-28 S '63.

The orders of a crossbar manual telephone exchange. M. M. Zaremba. Vest. sviazi 23 no. 9:21-23 S '63.

TELEPHONE--EQUIPMENT AND SUPPLIES

Poliak, M. U., and L. N. Friman [KRR apparatus] Apparatura KRR; informatsionnyi sbornik. Moskva, Sviaz'izdat, 1963. 158 p. (Tekhnika sviazi)

TELEPHONE, AUTOMATIC

Rural electronic automatic telephone exchange. V. K. Kapron. Vest. sviazi 23 no. 9:5-7 S '63.

TELEPHONE LINES

Razumov, L. D. [Protection of municipal telephone lines of intrarecional telephone and wire broadcasting networks from electric current leakages of a.c. railroads] Zashchita linii gorodskikh telefonnykh setei, vnutriraionnoi sviazi i provodnogo veshchaniia ot vliianiia elektricheskikh zheleznykh dorog peremennogo toka. Moskva, Sviaz'izdat, 1963. 75 p. (Lektsii po tekhnike sviazi)

TELEPHONE LINES--MAINTENANCE AND REPAIR

Motor vehicle for emergency repair work in cable communication networks. E. V. Glazchinskii, N. P. Sadovnichii. Vest. sviazi 23 no. 9:7-8 S '63.

TELESCOPE

Shcheglov, P. V. [Electronic telescopy] Elektronnaia teleskopiia. Moskva, Fizmatgiz, 1963. 194 p.

TELESCOPE, REFLECTING

Investigating optimum parameters for the three-mirror astronomical objective. E. V. Lozovskaia, T. P. Goverdovskaia. Sbor. st. LITMO no. 47 98-103 '59.

Investigation of the Pichi's three-mirror telescope. N. V. Blinova, L. E. Sovz. Sbor. st. LITMO no. 47 91-97 '59.

TELEVISION

Abstracts section. Tekh. kino i telev. 7 no. 9 79-80 S '63.

Andreev, A. S. [Laboratory work on the principles of electronics and communications engineering] Laboratornye raboty po osnovam elektroniki i tekhniki sviazi. Moskva, Sel'khozizdat, 1963. 129 p.

Feature of television image conversion by different scanning techniques. K. V. Saprykin, L. A. Shparbert. Radiotekhnika 18 no. 8:35-40 Ag '63.

On the occasion of the 25th anniversary of electronic television broadcasting in the Soviet Union. G. V. Braude. Tekh. kino i telev. 7 no. 9 83-88 S '63.

Television systems are taught to identify simple contour drawings [with summary in English on p. 96]. Tekh. kino i telev. 7 no. 9 50-53 S '63.

TELEVISION--ANTENNAS

Samoilov, G. P. [Installation and operation of receiving television antennas] Priemnye televizionnye antenny, ikh ustroistvo i ekspluatatsiia. Moskva, Sviaz'izdat, 1963. 135 p. (Biblioteka "Televizionnyi priem," no. 6)

TELEVISION--EQUIPMENT AND SUPPLIES

Use of the PE-220 varnish for finishing television cases. A. V. Nikitin. Der. prom. 12 no. 6 19 Je '63.

TELEVISION--PICTURE TUBES

Kinescope electron beam deflection amplifier. V. G. Novik. Radiotekh. i elektron. 8 no. 10:1756-1763 O '63.

TELEVISION--RECEIVERS AND RECEPTION

Evaluating the quality of the television picture [with summary in English on p. 96]. M. V. Antipin. Tekh. kino i telev. 7 no. 9 7-13 S '63.

TELEVISION BROADCASTING
(see also subdivision under Kuybyshev Province)

Life and the blue screen. G. Sagal. Sov. pech. no. 10:25-26 O '63.

...Only the editors. I. Sokolov. Sov. pech. no. 8:40-41 Ag '63.

Technology of the air. K. Sergeichuk. Sov. pech. no. 8: 31 Ag '63.

TELEVISION BROADCASTING OF FILMS

Multiple-camera method for making television films. Tekh. kino i telev. 7 no. 9 95 S '63.

TELEVISION BROADCASTING OF NEWS

On the other side of the blue screen. G. Sagal. Sov. pech. no. 5 40-41 My '63.

TELEVISION INDUSTRY see subdivision under Germany, East

TELEVISION PLAYS

About a strong spirit. N. Ignat'eva. Isk. kino 33 no. 8: 92-93 '63.

TELLURIUM
(see also subdivision under Altai Mountains)

Products of the oxidation of Te by oxygen under pressure in aqueous solutions of KOH. B. N. Kulikovskii, Iu. N. Mikhailov, V. G. Trone. Zhur. neorg. khim. 8 no. 9 2088-2092 S '63.

TELLURIUM--METALLURGY

Hydrometallurgical processing of fused sodium matte from sodium sulfate smelting of cupellation dusts. I. R. Polyviannyi, N. A. Militutina. Trudy Inst. met. i obog. AN Kazakh. SSR 6 64-71 '63.

Separation of selection from tellurium by distillation. L. A. Nisel'son, A. I. Pustil'nik, L. A. Soshnikova. Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 2 79-86 Mr-Ap '63.

Treatment of alkali melts obtained in the smelting of tellurium-bearing materials. N. A. Militutina, I. R. Polyviannyi. Trudy Inst. met. i obog. AN Kazakh. SSR 6 72-76 '63.

TELLURIUM--OPTICAL PROPERTIES

Interpretation of the optical activity of tellurium. V. I. Vyshin. Vest. Mosk. un. Ser. 3: Fiz., astron. 18 no. 3:6-10 My-Je '63.

TELLURIUM CRYSTALS

Experimental study of the zone structure of hexagonal selenium and tellurium crystals. V. V. Sobolev. Dokl. AN SSSR 151 no. 6:1308-1310 Ag '63.

TELLURIUM ISOTOPES

Lifetime of the 0.570 Mev. level in the Te^{122} nucleus [with summary in English]. Iu. K. Shubnyi. Zhur. eksp. i teor. fiz. 45 no. 3:460-463 S '63.

TELLUROMETER

Genike, A. A. [Geodetic phase tellurometers] Geodezicheskie fazovye radiodal'nomery. Moskva, Gosgeoltekhizdat, 1963. 112 p. (Its Trudy, no. 164)

TEMPERATURE--MEASUREMENT

Ejector thermocouple. A. A. Madoian, L. G. Madoian. Energetik 11 no. 8:18-20 Ag '63.

Estimate of terms of second-order approximation in testing abrupt temperature changes. S. I. Gribkova, L. S. Sntemenko. Vest. Mosk. un. Ser. 3: Fiz., astron. 18 no. 3 11-17 My-Je '63.

Methods for measuring high temperatures using combustible thermocouples. A. I. Bannikov. Energ. i elektrotekh. prom. no. 3 46-50 Jl-S '63.

Methods of noncontact measurement of actual temperatures of heated bodies. A. N. Gordov. Teplofiz. vys. temp. 1 no. 1 149-155 Jl-Ag '63.

Thermocouples with electrodes from high-melting carbides for measuring temperatures up to 3000°C. A. D. Panasiuk, G. V. Samsonov. Teplofiz. vys. temp. 1 no. 1 136-140 Jl-Ag '63.

TEMPERATURE REGULATORS

Andreev, S. V., B. K. Martens, and A. N. Trushinskii. [Three-positional distance-type transistor temperature regulator] Trekhpozitsionnyi distantsionnyi poluprovodnikovyi termoregulator. Leningrad, 1963. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Pribory i elementy avtomatiki, no. 2)

Marine animals let designers "share" in their "experience". V. Bel'kovich, A. Iablokov. Nauka i zhizn' 30 no. 5:81-84c, 64b-c My '63.

TEMPORAL BONE--TUMORS

Eosinophilic granuloma of the temporal bone. M. K. Stoliarova, S. A. Kalish. Zhur. ush., nos. i gorl. bol. 23 no. 4:76-78 Jl-Ag '63.

TENDRIAKOV, VL.

Kitusov, B. N. [At the forefront; an essay on V. Tendriakov's creative work] Na perednei linii; ocherk tvorchestva V. Tendriakova. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 73 p.

TENNIS

Soiuz sportivnykh obshchestv i organizatsii SSSR. TSentral'nyi Sovet. Tennis. Moskva, Izd-vo "Fizkul'tura i sport," 1963. 94 p.

TENSIOMETERS

Analysis of some methods for [illegible] of tensiometer amplifier on the [illegible] A. E. Trop, V. M. Sakol'nik [illegible] zhur. 6 no. 1 163-172 '63.

TENT CATERPILLARS--BIOLOGY AT [illegible] subdivision under Chita Province, [illegible] Province

TENTS

It is light and waterproof. Tekh. i vooruzh. [illegible] zhizn' 30 no. 5:57 My '63.

TEPLOVKA RIVER--CHUM SALMON

Premature transition to active feeding [illegible] fall-spawning chum salmon (Oncorhynchus autumnalis Berg.) and its consequences in hatchery conditions. A. M. Kol'gunov. [illegible] no. 3 561-562 '63.

TEPLOVKA RIVER--FISH CULTURE

Premature transition to active feeding [illegible] fall-spawning chum salmon (Oncorhynchus autumnalis Berg.) and its consequences in hatchery conditions. A. M. Kol'gunov. [illegible] no. 3:561-562 '63.

TEREK VALLEY--CLAY--RADIOACTIVITY [illegible]

Radioactivity of clay rocks. Iu. I. Cherkis. MINKHiGP no. 41:34-40 '63.

TEREK VALLEY--ROCKS, SEDIMENTARY [illegible] ACTIVE PROPERTIES

Role of potassium in the radioactivity of [illegible] rocks of the Terek-Kuma Plain. Iu. I. [illegible] MINKHiGP no. 41:47-53 '63.

TEREK VALLEY--SEDIMENTS (GEOLOGY) [illegible] ACTIVE PROPERTIES

Natural radioactivity of the Mesozoic [illegible] Terek-Kuma Plain. Iu. I. Cherkis, [illegible] no. 41:21-33 '63.

TEREPHTHALIC ACID

Nitroalkyd resins. Report No. 4: Polyesterification [illegible] on terephthalic and isophthalic acids. [illegible] V. I. Burmistrov, L. K. Abramovich [illegible] no. 30:148-154 '62.

Stabilization of polyethylene terephthalate [illegible] (Sov. and others). Trudy KKHTI no. 30 [illegible] '62.

TERESHKOVA, VALENTINA VLADIMIROVNA

Valentina Tereshkova is a daughter of the [illegible] G. Kudriavtseva. Sov. profsoiuzy 19 [illegible] '63.

TERNOPOL' PROVINCE--CORN (MAIZE)

Main direction. G. Shevchuk. Part. zhiz' [illegible] Jl '63.

TERRAMYCIN

Antibiotic therapy for young farm animals [illegible] nellosis and colibacillosis. L. I. Kutenko. [illegible] 39 no. 11:69-71 N '62.

TERRESTRIAL MAGNETISM see Magnetism, [illegible]

TERRITORIAL WATERS

New regulations on the protection of [illegible] related to Soviet laws on territorial waters [illegible] lodkin. Inform. sbor. TsNIIMF no. 67, [illegible] prak. no. 14 3-8 '61.

Regulations on protection of the state [illegible] Union of Soviet Socialist Republics. Inform. sbor. TSNIIMF no. 67. Mor. pravo i prak. [illegible] '61.

Reservations of the Soviet Union to the [illegible] of 1958. Inform. sbor. TSNIIMF no. 67, [illegible] prak. no. 14, 49 '61.

TESTICLE--TUMORS

Morphological changes in sexual and [illegible] in tumors of the testicle [with summary in English]. K. P. Ganina. Vrach. delo no. 7:92-96 Jl '63.

TESTING--EQUIPMENT AND SUPPLIES

Instruments and systems for testing by the [illegible] electrohydrodynamic analogies and fields [illegible] application. N. I. Druzhinin. Trudy I. [illegible] no. 11:189-202 '62.

TESTING LABORATORIES--EQUIPMENT AND [illegible] PLIES

Improving the operation of laboratory [illegible] K. A. Shvetsova. Ogneupory 28 no. 9 [illegible]

TESTING MACHINES

Experimental determination of the flying [illegible] materials from a throwing machine. I. [illegible] Izv. vys. ucheb. zav.; mashinostr. no. 8 [illegible]

New design of jaws for the MIT flexibility [illegible] Poisakhov, L. N. Bykhovar, G. I. Lilia[illegible] 23 no. 9:77-79 S '63.

TETANUS

Clinical aspect and treatment of tetanus [with summary in English]. R. P. Naumova. Vrach. delo no. 3 [illegible] Jl '63.

TETANUS—MORTALITY
Causes of death in tetanus. G. A. Ivashkevich. Vrach. delo no. 7:101-104 Jl '63.

TETRACORALLA, FOSSIL
(see also subdivision under Moscow region)
Microstructure of the septal apparatus of some Silurian Tetracoralla. S. I. Strel'nikov. Paleont. zhur. no. 3:10-17 '63.

TETRACYCLINE
Tetracycline for the treatment of bronchopneumonia in calves. V. A. Lochkarev. Veterinariia 39 no. 11:72 N '62.
Transplacental toxic influence of antibiotics of the tetracycline group on the fetus of warm-blooded animals. A. I. Barkalaia. Akush. i gin. no. 2:8-11 '63.

TEXTBOOKS
Follow-up on our articles. Sred. spets. obr. 16 no. 9:63 S '63.
Kindergartens should have methodological literature and visual aids. V. Plakhtiuna. Doshk. vosp. 33 no. 9:81 S '63.

TEXTILE FABRICS
(see also subdivision under Kuban)
Investigating the causes of the transverse stripe formation in lock-knit warp fabrics and ways for its elimination. F. A. Moiseenko, V. A. Radzievskii. Izv. vys. ucheb. zav., tekh. leg. prom. no. 4:153-159 '63.

TEXTILE FABRICS—TESTING
Biological testing of textile fabrics for resistance to the action of fungi and bacteria. E. I. Liubimova, N. V. Rau. Nauch.-issl. trudy TSNIILV 17:140-153 '62.
Determining the crease resistance of a pile. K. V. Arosiavtsev, L. O. Mikhalovskaia. Standartizatsiia 27 no. 9:40 S '63.
Effect of the medium on the tensile strain of fabrics and its components. A. I. Kobliakov. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:3-10 '63.

TEXTILE FACTORIES
Building a cotton-spinning factory. A. S. Parkhomovskii. Prom. stroi. 40 [i.e. 41] no. 7:28-31 Jl '63.

TEXTILE FACTORIES—DESIGN AND CONSTRUCTION
see subdivision under Cheboksary

TEXTILE FIBERS—ELECTRIC PROPERTIES
Unit for determining the electric conductivity of textile fabrics. K. S. Tugeev, A. V. Morozov. Tekst. prom 23 no. 9:80-82 S '63.

TEXTILE FIBERS—STANDARDS
New state standard for short flax fibers and its economic importance. D. A. Nemtsov, IU. IA. Braslavskaia, L. I. Kul'pina. Nauch.-issl. trudy TSNIILV 17:58-64 '62

TEXTILE FIBERS—TESTING
"Manra" vibroscope for determining the thinness of fibers. L. A. Luvishis, L. N. Smolova. Tekst. prom. 23 no. 9:87-90 S '63.

TEXTILE FIBERS, SYNTHETIC
Coagulation processes occurring during carbochain fiber forming. B. E. Geller, S. Kamalov, F. M. Dautova. Khim. volok. no. 5:5-9 '63.
Complex purification of ventilation air and waste waters from synthetic fiber industries. B. IA. Barochina, S. M. Golland, S. B. Zakhar'ina. Khim. volok. no. 5:46-51 '63.
Composition and structure of phosphoric acid esters of polyvinyl alcohol fibers. L. A. TSeitlina, A. I. Meos, L. A. Vol'f. Khim. volok. no. 5:23-25 '63.
Economics of the use of synthetic fibers in the flax and hemp industry. B. L. Tregubova. Nauch.-issl. trudy TSNIILV 16:150-162 '62.
Effect of the properties of the polymer on the physicomechanical properties of polyacrylonitrile fibers. N. M. Beder, A. B. Pakshver. Khim. volok. no. 5:9-12 '63.
Effect of thermal treatment on the properties of polyvinyl alcohol fibers. L. E. Utevskii, K. E. Perepelkin. Khim. volok. no. 5:19-22 '63.
Manufacture of artificial blood vessels from synthetic fibers. Report No. 1. M. S. Genzer. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:130-137 '63.
Radiation grafting of vinyl monomers to polyolefin fibers. U Zhun-zhui [Wu Jung-jui] and others. Khim. volok. no. 5:12-15 '63.
Synthetic fibers. F. Chechik. Nauka i zhizn' 30 no. 5:24-25 My '63.
Thermoplasticization stretching of polyvinyl alcohol fibers. G. N. Afanas'eva and others. Khim. volok. no. 5:16-19 '63.

TEXTILE FIBERS, SYNTHETIC—BIBLIOGRAPHY
see Bibliography—Textile fibers, Synthetic

TEXTILE FIBERS, SYNTHETIC—ELECTRIC PROPERTIES
Investigating some factors which increase the wear resistance of electrostatic suede leather. Report No. 2. M. A. Samyshkina, I. V. Plotnikov, S. A. Pavlov. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 2:14-20 '63.

TEXTILE FIBERS, SYNTHETIC—TESTING
Determination of the specific volumes of synthetic fibers at elevated temperatures. N. V. Mikhailov, V. O. Gorbacheva, A. K. Ievleva. Khim. volok. no. 5:26-28 '63.

TEXTILE INDUSTRY
(see also subdivision under Cheboksary, Yaroslavl)
Economic aspect of the manufacture of polyvinyl chloride fibers. T. L. Bakumenko, V. F. Pikhman. Khim. volok no. 5:69-71 '63.
Economics of the use of synthetic fibers in the flax and hemp industry. B. L. Tregubova. Nauch.-issl. trudy TSNIILV 16:150-162 '62.
We should eliminate the conditions which contribute to the pilfering of socialist property in silk factories. I. Rumiantsev. Sots. zakon. 40 no. 8:48-50 Ag '63.

TEXTILE INDUSTRY—ELECTRIC EQUIPMENT
Calculation of 30-24 volt intrafactory trolley transportation networks. G. I. IAblokov. Prom. energ. 18 no. 10:38-40 O '63.

TEXTILE INDUSTRY—LABOR PRODUCTIVITY
see subdivision under Moscow Province

TEXTILE INDUSTRY—MANAGEMENT
Expand the use of work practices based on the new shift schedules. M. A. Kolbetskaia. Tekst. prom. 23 no. 9:37-40 S '63.

TEXTILE INDUSTRY—TESTING
Use of the International Tex System for the evaluation of the thinness of textile materials. A. I. Pavlov. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 4:175-177 '63.

TEXTILE MACHINERY
For a maximum utilization of the capacity of the AchV-V carding and knitting unit. I. M. Khatenever. Tekst. prom. 23 no. 9:23-25 S '63.
Information. Tekst. prom. 23 no. 9:95-96 S '63.
The LCh-2-L, LCh-3-L, LCh-4-L high-speed ribbon lapping machines. S. V. Sobolev. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:47-48 '63.
Lengthwise drawing of the yarn by the air flow. S. G. Popov, L. S. IAkovleva. Tekst. prom. 23 no. 9:82-86 S '63.
Machine for cleaning, padding and inspecting fabrics after washing. V. A. Chekmarev. Tekst. prom. 23 no. 9:75-76 S '63.

TEXTILE MACHINERY INDUSTRY
see subdivision under Kolomna (Moscow Province)

TEXTILE PRINTING
New development in equipment and technology of photo-transpositographic fabric printing. G. V. IAkichev. Tekst. prom. 23 no. 9:73-75 S '63.

TEXTILE WORKERS
see subdivision under Riga

THĀBIT IBN QURRAH AL-HARRĀNĪ, 830-901
Book on the proof of Euclid's famous postulate, belonging to Thābit ibn Qurrah al-Harrānī [translated from the Arabic]. Ist.-mat. issl. no. 14:503-597 '61.
Proofs of Euclid's Fifth Postulate in works by Thābit ibn Qurrah al-Harrānī and Shams al-Din al-Samarqandī. B. A. Rozenfel'd, A. P. Ushkevich. Ist.-mat. issl. no. 14:507-592 '61.

THALLIUM—METALLURGY
Selecting an adsorbent and a solution medium for the recovery of rhenium and thallium from lean solutions. K. B. Lebedev, T. Sh. Tlurekhodzhaeva. Trudy Inst. met. i obog. AN Kazakh. SSR 6:148-155 '63.

THALLIUM COMPOUNDS
Complex compounds of monovalent thallium with 1, 10-phenanthroline. F. IA. Kul'ba, V. E. Mironov, L. A. Anan'eva. Zhur. neorg. khim. 8 no. 10:2326-2328 O '63.
Complex compounds of thallium (III) wit[h] F. IA. Kul'ba, V. E. Mironov, O. S. And[reev]. neorg. khim. 8 no. 10:2323-2325 O '[63].

THALLIUM NITRITE
Differential thermal analysis of binary [sys]trites of thallium and alkaline earth m[etals]. tsenko, N. A. Brykova. Zhur. neorg. kh[im.] 2167 S '63.

THEATER
(see also subdivision under Czechoslo[vakia]; Poland; Sukhumi; Ukraine; Volgograd)
In Moscow and Leningrad. Miles Maili[ng]. zhizn' 7 no. 2:14-15 '63.
Litovskii, O. S. [Through the eyes of a [man]; notes of past years] Glazami sovreme[nika]; proshlykh let. Moskva, Sovetskii pis[atel']
Only one in the world. Valentina Roma[nova]. i zhizn' 7 no. 8:8-10 '63.

THEATER AUDIENCES
Kaftin, N. I. [The performance and the [spectator]; about the art of the theater] Spektakl' ob iskusstve teatra. Moskva, Izd-vo [Znanie]. 47 p. (Novoe v zhizni, nauke, tekhnik[e]. Pedagogika, no. 14)

THEATERS—DESIGN AND CONSTRUCTION
see subdivision under Baku

THEATERS—STAGE SETTING AND SCENERY
On positions of realism. I. Sumbatashvili. Sov. voin 45 no. 18:13 S '63.

THEILERIASIS
see subdivision under Soviet Central Asia

THELAZIASIS
Chlorophos in cattle thelaziasis. V. P. Meshchaninov, I. IA. Enilin. Veterinariia 39 no. 9:27-28 S '62.
Prophylaxis of thelaziasis. N. M. Golodovich. Veterinariia 39 no. 9:26-27 S '62.

THENARDITE
see subdivision under Kuchuk, Lake

THEODOLITES—ELECTRIC DRIVING
Electric drive for azimuthal rotation of a universal theodolite. N. A. Belianev. Geod. i kart. no. 9:30-34 S '63.

THEORY OF ERRORS
see Errors, Theory of

THERAPEUTICS, SUGGESTIVE
Slobodianik, A. P. [Psychotherapy, suggestion, hypnosis] Psikhoterapiia, vnushenie, gipnoz. Kiev, Gosmedizdat URSR, 1963. 348 p. (DNLM)

THERMAL ANALYSIS
Differential thermal analysis of binary systems of nitrites of thallium and alkaline earth metals. P. I. Protsenko, N. A. Brykova. Zhur. neorg. khim. 8 no. 9:2163-2167 S '63.
Interaction of niobium oxychloride with alkali metal chlorides and the thermal stability of pentachlorooxyniobates. I. S. Morozov, V. A. Krokhin. Zhur. neorg. khim. 8 no. 10:2376-2380 O '63.
Properties of thorium acetate. K. N. Kovalenko, D. V. Kazachenko, O. N. Samsonova. Zhur. neorg. khim. 8 no. 10:2222-2225 O '63.
Thermodynamics of dissociation of ferrous and manganous hydroxides. L. G. Berg, V. P. Kovyrzina. Zhur. neorg. khim. 8 no. 9:2041-2045 S '63.
Thermographic study of the system In - In_2O_3. R. A. Polovinkina, T. V. Zabolotskii. Izv. SO AN SSSR no. 7, Ser. khim. nauk no. 2:34-39 '63.
Thermogravimetric study of thorium thiocyanates. A. K. Molodkin, G. A. Skotnikova. Zhur. neorg. khim. 8 no. 9:2080-2087 S '63.

THERMAL STRESSES
Akol'zin, P. A., and V. N. Gulinov. [Corrosion cracking of austenitic steels in heat-power engineering equipment] Korrozionnoe rastreskivanie austenitnykh stalei v teploenergeticheskom oborudovanii. Moskva, Gosenergoizdat, 1963. 270 p.
Dependence of the fatigue strength of steel in its properties and the residual stresses in hard-faced metal. M. M. Kobrin, L. I. Dokhtiar'. Avtom. svar. 16 no. 9:19-25 S '63.
Effect of technological factors on the mechanical properties and tendency toward crack formation of the ML5 alloy. A. V. Kurdiumov, IU. V. Demin, G. S. Zhdanov. Lit. proizv. no. 8:17-18 Ag '63.
Flaking of chromium steel layers deposited on 55Kh and 60KhG steel. K. V. Bagrianskii, V. N. Kal'ianov, P. I. Lavrik. Avtom. svar. 16 no. 9:26-30 S '63.
Investigating temperature conditions in the operation of rolls on the 2500 MMK rolling mill. P. I. Polukhin and others. Stal' 23 no. 9:819-824 S '63.
Low-melting metal coatings on copper. N. V. Savchenko. Metalloved. i term. obr. met. no. 10:37-39 O '63.
Mechanism underlying the formation of an anomalous distribution of residual stresses following heat treatment of single crystals. B. A. Reznikov. Fiz. tver. tela 5 no. 9:2526-2529 S '63.
Pr[illegible] expansion of magnesium iron in permanent

[illegible] of some [illegible] Thermometer [illegible] G. Pri[illegible] Zh fiz khim 37 no 9 [illegible]

THERMOCOUPLES

[illegible] the temperature of wire during [illegible] IS.IBKHM [illegible] no 17-22 '63.

[illegible] thermal [illegible] M M Gratchkii, Lit [illegible] no, 29-44 '62

[illegible] E. M S [illegible]nthim, Zh [illegible] 4-15 D '61.

[illegible] plate [illegible] E I [illegible] no 1 141-144 [illegible]

THERMODYNAMICS

[illegible] friction [illegible] [Abstract only in English] D V Fedosov, S V, [illegible] Inzh-fiz zhur, 6 no 6 41-44 Je '63

Free energy of intermolecular reactions in liquids, V P Fr[illegible], L. Rudenko, L. SO AN SSSR no. 7, [illegible] no 2 87-7[illegible] '63

[illegible] of [illegible] transfer and frictional re[illegible] [illegible] compressible fluid of [illegible] properties in pipes B S. Petukhov, V [illegible] Problemy tep[illegible] no 1 85-101 Ji-A[illegible] '63

[illegible] matrix [illegible] the gauge composition [illegible] mixture in [illegible] tube, Z L Miro[illegible], [illegible] Teplofiz [illegible] temp 1 no 1 112-117 Ji-[illegible] '63.

THERMODYNAMICS—GRAPHIC METHODS

Representation of some thermal processes in a three-dimensional coordinate system, V. V. Filippov, Izv. [illegible] Khimiya, no. 6, 132-147 '63.

THERMOELECTRIC GENERATORS

[illegible] of the future B. Curtin [illegible] 23 no 10 33-34 O '63.

[illegible] a magnetohydrodynamic method for [illegible] thermal energy to electric power V V Gu[illegible] Liproelektrotekhnika 10 no 9 81-85 S '63

Selection [illegible] efficient cathode materials for a thermo[illegible] converter [with summary in English] V. A Gru[illegible] and others Poroshk. met 3 no 4 79-86 Jl-Ag '63

THERMOELECTRICITY

[illegible] phonon drag on the longitudinal thermoe[illegible] f[illegible] in semiconductors and semimetals in a longitudinal magnetic field P. S. Zyrianov, Fiz tver tela 5 no 9 2571-2579 S '63

Experimental testing of a thermoelectric effect, V. S. Snchelokurov, Shor. st LITMO no. 47 56-62 '59.

THERMOMETERS

Metal thermometer with a dial indicator N V. Kulikov, Avt. delo, 2[illegible] no 9 29-30 S '63

Thermistor thermometer with stabilized current supply, V. S. Bulychev, Izm. tekh no. 8 34-35 Ag '63.

THERMOMETERS AND THERMOMETRY, MEDICAL

Medical electrical thermometers Z Katona Nauka i zhizn' 30 no 5 17-18 My '63

THERMOPLASTICS

Flow of thermoplastic melts in a cylindrical pipe, V. H. Lyuvenov, Prikl. mekh. 9 no. 5 552-560 '63.

THERMOSTAT

Average specific heat capacity of thermostatic bimetals and alloys composing thermostat elements, A I. Minaev, V. V. Kerzhentsev, TSvet. met. 36 no. 5 67-75 My '63.

THIAMINE

Use of vitamins B_1 and B_{12} on patients with atherosclerosis under polyclinical conditions V.I Lopushanskii, [illegible] no. 7 149-150 Jl '63

ES

[illegible]n of cadmium by the pyridine-thiocyanate [illegible] T Marunina Trudy KKHTI no 30 193-

[illegible]l metal cations on the formation of thio[illegible]plexes of lead (II), V. E. Mironov, F. IA. Trifonov, Zhur. neorg khim. 8 no. 9 2113-

[illegible]fractions of some thorium thiocyanates, [illegible]in, G. A. Skotnikova. Zhur. neorg. khim. [illegible]10-2247 O '63.

[illegible]metric study of thorium thiocyanates, A. K. [illegible], A. Skotnikova. Zhur. neorg. khim. 8 no. 9 [illegible] '63.

[illegible]omplexes of vanadium (III) in methanol [illegible]ary in English], A. M. Golub, R. A. Kostrova, [illegible]R no. 8 1061-1064 '63.

[illegible]MERCURATES

[illegible]rcurate-radiometric method for determin[illegible]. Bleshinskii, A. G Nagaeva, V F Abra[illegible] Kar. SSR Ser. est i tekh. nauk 5 no 4

THIOLS

Synthesis and properties of some aromatic mercaptans, sulfides, and sultones, A. V. Kalabina, N N Vlasova, [illegible] N Mirskova. Izv SO AN SSSR no. 7, Ser. khim, nauk no. 2 99-104 '63.

THIOPHENE

Extraction of aromatic hydrocarbons with sulfolane, I S Vol'fson and others Khim i tekh topl i masel 8 no 2 6-9 F '63.

THORIUM

Extraction of thorium by means of benzohydroxamic acid, Abdel' Gavad Said, A. V. Lapitskii, N. P Rudenko, Radiokhimiia 5 no. 3, 290-294 '63.

Extraction of thorium with dibutylphosphoric acid from solutions in nitric acid, Z. A Sheka, E. I. Sinlavskaia, Radiokhimiia 5 no. 4 485-490 '63.

Preparation of carrier-free UX_1(Th234) by the extraction method, IU A Afanas'ev, A. I Riabinin, Radiokhimiia 5 no. 4 520-521 '63.

Total kinetic energy of U^{233} and Th^{232} fission fragments, S. S. Kovalenko, K. A. Petr[illegible], V. M Adamov, Atom energ. 15 no. 4 320-321 O '63.

Wash-out of thorium from strongly basic anion exchangers [illegible] I kazantsev, V. A kudusov. Radiokhimiia 5 no 2 231-236 '63.

THORIUM ACETATE

Properties of thorium acetate, K. N Kovalenko, D. V. Kazachenko, O. N. Samsonova. Zhur. neorg. khim. 8 no 10 2222-2225 O '63.

THORIUM COMPOUNDS

Complex formation of thorium with mandelic and [illegible]-hydroxyisobutyric acids A. V Lapitskii, I Geletsea[illegible], I. V. Mink, Radiokhimiia 5 no 2 240-258 '63

Molecular refractions of some thorium thiocyanates, A. K. Molodkin, G. A. Skotnikova. Zhur. neorg. khim. 8 no. 10 2240-2247 O '63.

Thermogravimetric study of thorium thiocyanates, A. K. Molodkin, G. A Skotnikova. Zhur. neorg. khim. 8 no. 9 2080-2087 S '63.

THORIUM ISOTOPES

Determination of the age of oceanic deposits by the ionium-protactinium method I. D Starik, A. N Elizarova, IU. V. Kuznetsov, Radiokhimiia 5 no 2 154-157 '63.

Determination of the isotopic composition of thorium in natural formations, N. G Sviomiatnikov and others Radiokhimiia 5 no. 2 164-170 '63

THREAD—TESTING

Changes occurring in the indices of the shaping of the shuttle stitch when using threads of various fiber compositions. I. V. Safronova Izv. vys. ucheb. zav., tekh leg. prom. no 4 119-128 '63.

Impact work needed for breaking as a characteristic of sewing threads I. V. Safronova. Izv vys. ucheb. zav., tekh. leg. prom. no 2 110-118 '63.

THRESHING MACHINES

Increasing the efficiency of the separator parts of threshing machines. S. R. Zargarian, G. P. Andrenko, Trakt. i sel'khozmash. 33 no. 5 24-26 My '63.

THROMBOSIS

Clinical aspects and surgical treatment of occlusion of the aorta and iliac arteries (Leriche syndrome), review of literature S V Ryneiskii, A A. Grinberg Grud khir 4 no 6 114-119 N-D '62.

Dynamics of the development of collateral blood circulation in thrombosis of the femoral artery, I. P Novikov. Eksper khir i anest. no 1 24-27 '63

Modern concepts on the pathogenesis of intravascular thrombus formation V. P. Baluda Pat. fiziol. i eksp. terap 7 no. 1 6-13 Ja-F '63

Portal hypertension of hepatic origin combined with thrombosis in the portal vein system [with summary in English] L S. Matveeva, V P Gorbatenko. Vest rent i rad 38 no 1 37-40 Ja-F '63

Thromboangiitis and phlebothrombosis in obliterating endarteritis. T. K. Kukeev. Zdrav. Kazakh 23 no 2 27-29 '63.

Thrombosis of the left coronary artery of the heart developing in acute hemorrhages. V. M. Shul'kin Sud-med. ekspert 6 no. 3 57 Jl-S '63.

THUNDERSTORMS see subdivision under Caucasus, Northern

THYMUS GLAND—TUMORS

Clinical anatomical diagnosis of thymoma, V. A. Bakhtiarov, V. M. Shadrina, L. F. Artemova. Grud. khir. 4 no. 6 102-104 N-D '62.

Two cases of giant tumors of the thymus gland in children [with summary in English], M. N Stepanova, V. A Odinokova. Pediatriia 42 no 1 62-63 Ja '63.

THYRATRONS

A wonderful tube. M. M. Kel'ner, Avtomatyka 8 no. 4 71-72 '63.

THYROID GLAND

Determination of the functional [illegible] with the DSU-61 type diagnostic [illegible] V N Slavnov, T. P Sivachenko [illegible] '63.

Distribution of iodine-131 in the thyroid [illegible] plasma, and the salivary gland in experimental poisoning in rats. M I. [illegible] Ser med, nauk no. 1 66-70 '63

Functional state of the thyroid gland in [illegible] history of myocardial infarct [with summary in English] E G Panamonova, K. M. Pronina [illegible] no. 2, 51-58 F '63.

Interrelations between the thyroid gland and [illegible] cortex in patients with leukoma in the central system, on the problem of neurohumoral [illegible] [Abstract only in English] G. D. Lebedinskii, [illegible] V. D. Gomcharov. Vrach delo no [illegible]

"Light" cells of the thyroid gland, N. [illegible] Dokl. AN SSSR 151 no 6, 1411-1414 [illegible]

Radiometric examination of the function [illegible] gland in diseases of the liver and [illegible] tary [Abstract only in English]. B B Rodionov and [illegible] 32-36 '63

Reaction of the thyroid gland in the initial [illegible] perimental lead poisoning. M. I. [illegible] Kazakh. SSR, Ser. med. nauk no [illegible]

THYROID GLAND—DISEASES

Diagnosis of atypical forms of thyrotoxicosis [illegible] of radioactive iodine. G. A. [illegible] Klin. med. 31 no. 1 57-63 '63.

"Radioactive iodine in the diagnosis and [illegible] thyroid gland diseases" by P. I. [illegible] Reviewed by M. S. Satonin. Med. [illegible] D '62.

THYROID GLAND—SURGERY

Autoradiography and surgical treatment of [illegible] nodular endemic goiter [with summary in English] M. M. Kovalev, A. P Krasovskii [illegible] Vrach. 71 S '63.

Surgical treatment of thyrotoxic goiter [illegible] clinical material G. D. [illegible] Zhur. [illegible] med. 3 no. 1 65-71 '63

THYROID GLAND—TUMORS

Some characteristics of thyroid tissue [illegible] selves in experimental [illegible] kov. Trudy Dushanbe med. in-st. 57 no. [illegible]

TIBIA—SURGERY

Treatment of complicated defects of the tibia [illegible] nov's shunt synosteosis V. A Dudin, Ortop. [illegible] protez. 24 no 2 63-64 F '63

TICKS

(see also subdivision under Krasnoyarsk Territory; Moscow; Saratov District)

Effect of repellents on the tick Ixodes [illegible] Krashkevich, T. N. Kiritsova. Vest. Mosk. [illegible] Biol., pochv. 18 no. 5 16-19 S-O '63.

Serdiukova, G. V. [Guide to the genera of [illegible] the U. S. S. R.] Opredelitel' rodov [illegible] fauny SSSR, Moskva, Izd-vo Akad. nauk [illegible] 18 p

TICKS—EXTERMINATION see subdivision under Uzbekistan

TICKS AS CARRIERS OF DISEASE

(see also subdivision under Europe, Krasnoyarsk Territory)

Factors determining tick infestation of differ[illegible] of hosts [with summary in English] [illegible] A. Zhmaeva Med. parazit. i parazit. bol. [illegible] F '63.

TIDES see subdivision under Australasia, Pacific [illegible]

TIEN SHAN—GLAUBERITE

Glauberite-bearing salt deposits in the central [illegible] Report No. 2. I. E. Batyrchanov. Izv. Akad. [illegible] est. i tekh. nauk 5 no. 1 85-89 '63.

TIEN SHAN—MINERAL WATERS

On the formation of the ion-salt and gaseous [illegible] of Dzhailash carbonated mineral waters V. [illegible] chenko, V. Kadyrov, K. Kaziev. Izv. AN [illegible] est. i tekh. nauk 5 no. 4 87-90 '63.

TIEN SHAN—PEGMATITES

Structure and genesis of chambered pegmatites [illegible] Maydantal. V. S. Polykovskii. Trudy Mosk [illegible] '63.

TIEN SHAN—PHYSICAL GEOGRAPHY

Methodology and methods for the comprehensive [illegible] geographical regionalization of the Tien Shan [illegible] Chupakhin. Trudy Otd. geog. AN Kazakh. SSR [illegible] 27 '63.

TIEN SHAN—ROCKS—ANALYSIS

Evolution of radioactivity and of general chemical [illegible] position of rocks in the Tien Shan northern [illegible] Krylov. Radiokhimiia 5 no. 2 171-182 '63

TIEN SHAN—ROCKS—ANALYSIS (Continued)
Isotopic composition of lead of the northern Tien Shan L. I. Atrashenok and others Radiokhimiia 5 no 2 180-184 '63.

TIFLIS—ELECTRONIC COMPUTERS
In the Tiflis Scientific-Research Institute of Instrument Manufacture and Means of Automatic Control G P Zedgenidze. Stal' 23 no. 6:500-518-528 Je '63

TIFLIS—GUILDS—FLAGS, INSIGNIA, ETC.
Banners of the Tiflis guilds. G V Dzhalabadze Mat po etn Gruz no. 12/13 381-386 '63

TIGER FISHES see subdivision under Tonkin, Gulf Of

TILES
Chemically stable asbestos ebonite tile. A. B. Derevicher, I. P. Pishchulin Stroi. mat. 9 no. 9:31 S '63

Glass facing tile. M. P. Latyntsev. Za indus. Riaz. no. 2:58-59 D '61.

Semidry pressing of cordierite shelf tiles. R. M. Zaionts, G. G. Ul'ianova. Stek. i ker. 20 no. 10 25-28 O '63.

TILES, ROOFING
Roof tiles from glass and sand. M. I. Babushkina and others Stroi. mat. 9 no. 9 30 S '63

TILLAGE
(see also subdivision under Kuban, Kursk Province; Rostov Province, Siberia; Ukraine; Volga Valley)

Fall tillage for spring crops S. A. Vorob'ev, IA. P. Gorbatskii Zemledelie 25 no. 8 27-36 Ag '63

Surface tillage before sowing. M. Akhmedzhanov, G. Kim. Tekh. v sel'khoz. 23 no. 3:8-10 Mr '63.

TILLAGE—EQUIPMENT AND SUPPLIES
The RP-2, rotary scarifier. A. N. Ustinov. Trakht. i sel'khozmash. no. 9 35-36 S '63.

TILLAGE—LABOR PRODUCTIVITY see subdivision under Ukraine

TIMAN RIDGE—OIL WELL LOGGING
Combined gas and core analysis logging of hydrocarbons and light inert gases in the Timan Ridge. I. V. Bukin. Trudy MGRI 39.101-111 '63.

TIMBER
(see also subdivision under Gorodnaya region)

Russia (1917- R. S. F. S. R.) Glavnoe upravlenie lesnogo khoziaistva i okhrany lesa [Timber stock of the R. S. F. S. R.; statistical abstract (based on the calculation of the timber stock as of January 1, 1961)] Lesnoi fond RSFSR; statisticheskii sbornik (po materialam ucheta lesnogo fonda na 1 ianvaria 1961 g.) Moskva, Goslesbumizdat, 1962 627 p
[MICROFILM]

TIME PERCEPTION
Effect of hearing on the rate of the motor reaction in man. A. O. Kostanian. Zhur. eksp. i klin. med. 3 no 1 79-85 '63.

TIME STUDY
(see also subdivision under Moscow Province)

Calculating the index of the labor intensity of machinery manufacturing. V. Novoselov. Sots. trud. 8 no. 7 105-112 Jl '63.

Lushnikov, V. N. [Labor consumption in lumbering production] Trudoemkost' lesoproduktsii. Novosibirsk, [Izd-vo Sibirskogo otd-niia Akad. nauk SSSR] 1963 181 p.

Korovina, Z. P. [Method of calculating the time expended per unit of production] Metodika raschetov trudoemkosti produktsii. Moskva, Ekonomizdat, 1963. 94 p.

Zanin, V. I. [Working time and labor productivity] Rabochee vremia i proizvoditel'nost' truda Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 114 p.

TIN ALLOYS
Making die-casting molds of tin alloys. A. M. Budkov, I. K. Butenko. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9:37-38 '63.

TIRASPOL'—PHARMACY
Results of the efforts of a Communist working collective K. G. Sedykin, V. I. Kant, P. M. Triapitsin. Zdravookhranenie 6 no 2, 3-5 Mr-Ap '63.

TIRASPOL'—PREGNANCY, EXTRAUTERINE
Extrauterine pregnancy according to 6-year data (1955-1960) of the maternity home of the City of Tiraspol'. A. A. Buchinskaia Zdravookhranenie 6 no. 2 11-13 Mr-Ap '63.

TIRES, RUBBER
New system for cooling the press molds in the autoclave method of vulcanization. E. M. Aristov Kauch i rez 22 no 8 46-48 Ag '63.

TIRES, RUBBER—MAINTENANCE AND REPAIR
Materials for repairing tires and norms for their expenditure. I. Ermakov. Tekh. v sel'khoz. 23 no. 2: 86-89 F '63.
Repairing tires by fastening a new tread. I. Ermakov. Tekh. v sel'khoz. 23 no. 3:63-66 Mr '63.

TIRES, RUBBER—REPAIRING
Sprayer with an attachment for internal roughing of tires IU Pantiukhin Avt transp 41 no 5 22-23 My '63

TISSUE CULTURE
Comparative study of the strains of a typical fowl plague (Newcastle disease) virus of varying virulence in chicken embryo tissue cultures [with summary in English] T. A. Bektemirov, I. M. Sokur. Vop. virus 8 no. 3:330-335 My-Je '63.

Determination of the activity of toxins of clostridium perfringens and clostridiums in tissue cultures E. M. Zemskov Zhur. mikrobiol. epid. i immun 10 no. 1 69-73 '63

Direct isolation of the measles virus in monostratal cultures of guinea pig kidney tissue and chicken embryo fibroblasts [with summary in English] L. IU Tatos Vop. virus. 8 no 3:318-322 My-Je '63

Isolation of the trachoma virus in a tissue culture, preliminary report. A. A. Dzhumambaeva, A. IU Bekleshova. Vop virus 8 no. 3:335-337 My-Je '63

Nutrient medium for human amnion cell culture on an aminopeptide-2 base T. N. Iskarishvili, S. A. Kibardin Vop virus 8 no 3:365-366 My-Je '63

Preparation of interferon from chicken fibroblast cultures treated with inactivated smallpox vaccine [with summary in English] O. N. Peterson, Li Ui-[illegible] Vop virus 8 no. 3:279-281 My-Je '63

Study of mumps viruses in some tissue cultures and their analysis in a neutralization reaction [with summary in English]. Vop. virus 8 no. 3:353-357 My-Je '63

Synthesis of antibodies in transplants and tissue culture. L. G. Prokopenko Usp sovr biol 56 no 1 14-55 Jl-Ag '63.

TISSUE EXTRACTS
Experience in the use of fraction 2 of the ASD preparation for external treatment. M. G. Lysaia. Vest. derm i ven. 37 no 1 81 Ja '63

Mechanism of the development of delayed allergic reaction [with summary in English] A. N. Gordienko, I. M. Bondarev Pat. fiziol. i eksp. terap. 7 no 1 52-56 Ja-F '63

TISSUE METABOLISM
Photoelectric registration of the intensity of tissue respiration under experimental conditions. K. P. Pananenko. Pat. fiziol. i eksp. terap. 7 no 2 72-73 Mr-Ap '63

TISSUES—TRANSPLANTATION
Synthesis of antibodies in transplants and tissue culture L. G. Prokopenko. Usp sovr. biol. 56 no 1 44-55 Jl-Ag '63

TITANIUM see subdivision under Kazakhstan

TITANIUM—CORROSION
Electrochemical behavior of titanium in hypochlorite solutions. I. M. Vorob'ev, I. F. Flis. Trudy LTI TSBP no. 11:103-110 '62.

TITANIUM—HYDROGEN CONTENT
Effect of hydrogen and addition elements on the porosity formation in titanium weldments. A. I. Gorshkov, F. E. Tretiakov. Avtom. svar. 16 no. 9 36-41 S '63.

Hydrogen solubility in liquid titanium. V. I. Lakomskii, N. N. Kalinnik Avtom. svar. 16 no. 9:31-35 S '63.

TITANIUM ALLOYS
Investigating power conditions for the cold rolling of a titanium alloy strip. V. I. Shilov, V. P. Korzh. Trudy Inst. met. UFAN SSSR no. 9:87-89 '62.

Plastic properties of certain titanium alloys. L. P. Odinokova, V. P. Korzh, V. I. Shilov. Trudy Inst. met. UFAN SSSR no. 9:107-110 '62.

Rolling of titanium alloy foil. V. I. Shilov, V. P. Korzh. Trudy Inst. met. UFAN SSSR no. 9 101-105 '62.

TITANIUM ALLOYS—CORROSION
Effect of zirconium and tin on the scale resistance of titanium. V. V. Glazova, N. N. Kunakov. Izv. AN SSSR, Otd. tekh. nauk, Met. i gor. delo no. 4:154-158 Jl-Ag '63

TITANIUM ALLOYS—ELECTROMETALLURGY
Batashev, K. P. [Electrochemical treatment of the surface of titanium and its alloys] Elektrokhimicheskaia obrabotka poverkhnosti titana i ego splavov; stenogramma lektsii. Leningrad, 1963. 29 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Zashchitnye pokrytiia)

TITANIUM ALLOYS—TESTING
Mechanical properties of solid solutions on the basis of alpha-titanium at temperatures of -196°. O. K. Belousov, I. I. Kornilov, V. S. Mikheev. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2:130-135 Mr-Ap '63.

Physical properties of alloys of the titanium corner in the system titanium - aluminum - tin. O. P. Ellutin and others. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2:136-140 Mr-Ap '63.

TITANIUM CHLORIDES
Some characteristics of the process of vapor-phase hydrolysis of titanium tetrachloride. L. N. Shchegtov. Zhur. neorg. khim 8 no 9 2016-2052 S '63

TITANIUM-NIOBIUM-CHROMIUM ALLOYS—METALLOGRAPHY
Solidus surface of the system Titanium - Niobium - Chromium. K. I. Shakhova, P. B. Budberg Izv. AN SSSR Otd. tekh. nauk Met. i gor. delo no 4:159-160 Jl-Ag '63

TITANIUM SULFATES—ANALYSIS
Photocolorimetric determining of chromium in the commercial solutions of titanium sulfate. M. IU. Dolmatova Lakokras. mat. i ikh. prim. no. 1 52-53 '63

TITANIUM-TIN ALLOYS—ELASTIC PROPERTIES
Elastic properties of titanium-tin alloys S. G. Fedotov, T. T. Nartova, E. P. Sinodova. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2 141-145 Mr-Ap '63

TITANIUM-TUNGSTEN-COBALT ALLOYS—TESTING
Dependence of the hardness of titanium-tungsten-cobalt hard alloys on temperature [with summary in English] V. B. Platov. Poroshk. met. 3 no 1 67-75 Jl-Ag '63

TITANIUM-ZIRCONIUM ALLOYS—METALLOGRAPHY
Investigating creep of alpha and beta modified titanium-zirconium alloys. K. A. Osipov, E. M. Mitoshkina, A. L. Sotnichenko. Izv AN SSSR. Otd. tekh. nauk. Met. i gor delo no. 2.146-152 Mr-Ap '63

TITRATION
Rapid volumetric analysis of zinc Report No 1 S. V. Bleshinskii, A. G. Nagaeva Izv. AN Kir. SSR Ser. est. i tekh. nauk 5 no. 4:45-49 '63.

Rapid volumetric analysis of zinc Report No 2 S. V. Bleshinskii, A. G. Nagaeva Izv. AN Kir. SSR Ser. est. i tekh. nauk 5 no. 4:51-56 '63

TIUFIAKOV, IVAN NIKOLAEVICH
Ural pathfinder; Ivan Tiufiakov's work O. Korfiakov. Sov. foto 23 no 5:18-19 My '63.

TKIBULI—COAL MINERS
Formation of the present-day labor supply in the Tkibuli coal industry [in Georgian with summary in Russian] G. N. Dzhabakishvili. Mat. po etn. Gruz. no. 12/13 403-409 '63

TOBACCO see subdivision under Kazakhstan

TOBACCO INDUSTRY—FIRES AND FIRE PREVENTION
Drying and processing of tobacco. I. Lukin Pozh. delo 9 no. 9:12 S '63

TOBILEVYCH, IVAN KARPOVYCH, 1845-1907
Karpenko-Karyi on a visit to Tolstoi. Leonid Stepanenko. Ukraina no. 22:5 S '63.

TOGO—AMATEUR THEATRICALS
They will be free! G. Grammatchikov. Az. i Afr. seg. no. 9:46 S '63.

TOGO—FOLK DANCING
They will be free! G. Grammatchikov. Az. i Afr. seg. no. 9:46 S '63.

TOILET PREPARATIONS
Consultation and advice. B. Gurevich. Sov. potreb. koop. 7 no. 7 62-63 Jl '63.

TOLERANCE (ENGINEERING)
Vasil'ev, IU. S., N. B. Sivokhina, and A. S. Bronzov. [Tolerable declination of boreholes from the design] Dopustimye otkloneniia stvolov skvazhin ot proekta Moskva, Gostoptekhizdat, 1963 152 p

TOLSTOI, LEV NIKOLAEVICH, 1828-1910
Karpenko-Karyi on a visit to Tolstoi. Leonid Stepanenko. Ukraina no. 22:5 S '63.

TOLSTOI, LEV NIKOLAEVICH, 1828-1910—HOMES AND HAUNTS
Yasnaya Polyana. Muzei-usad'ba L. N. Tolstogo. [Yasnaya Polyana. Park, house-museum and literary museum, guidebook] IAsnaia Poliana Zapovednik, dom-muzei, literaturnyi muzei, putevoditel'. [Tula] Tul'skoe knizhnoe izd-vo, 1963 157 p

TOLUIC ACID
New means for controlling bloodsucking insects. A. I. Cherepanov and others. Les. prom. 41 no. 6:12 Je '63.

TOLUIDINE
Chemicological detection of para-toluidine and meta-dinitrobenzene. G. B. Migachev, N. I. Kiiko. Sud.-med. ekspert. 6 no. 3:49-50 Jl-S '63.

TOMATO BREEDING
Producing heterotic tomato seeds without castration [with summary in English]. A. A. Makarov, T. V. Makarova. Izv. TSKHA no. 2:34-38 '63.

719 - 838 O - 64 - 22

TOMATOES—TRANSPORTATION

Water transportation of tomatoes. I. Varentsov. Rech. transp. 22 no. 9:16-17 S '63.

TOMSK—FIREMEN

The city can sleep in peace. L. Klepikov, G. Tarnarutskii. Pozh. delo 9 no. 7 15-16 Jl '63.

TOMSK—PEDIATRICS—STUDY AND TEACHING

History of the special departments of the pediatric faculty in the Tomsk Medical Institute. I. S. Vengerovskii. Pediatriia 42 no. 1:56-53 Ja '63.

TOMSK PROVINCE—ACCOUNTING

New technology and new accounting methods. B. I. Fofanov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7 11-12 Jl '63.

TOMSK PROVINCE—ALGAE

New and interesting forms of the genus Trachelomonas Ehr. from Tomsk Province. T. A. Safonova. Bot. mat. Otd. spor. rast. 16:27-31 '63.

TOMSK PROVINCE—DAIRYING—ACCOUNTING

The "Tomskiy" State Farm steps up its tempos. B. N. Sidorenko. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7 4-5 Jl '63.

TOMSK PROVINCE—IRON ORES

Gebler, I. V., and N. M. Smol'ianinova. [The problem of metallurgical fuel for the metallurgy of Tomsk Province iron ores] Problema metallurgicheskogo topliva dlia ispol'zovaniia zheleznykh rud Tomskoi oblasti [Tomsk] Izd-vo Tomskogo univ. 1959. 14 p. [MICROFILM]

TOMSK PROVINCE—LUMBERING

Advantages of narrow-strip logging operations. M. F. Petrov, A. I. TSekhanovskii. Les. khoz. 16 no. 8:67-69 Ag '63.

TOMSK REGION—GEOLOGY

Schistosity and sedimentation of rocks in the Basandayka series of the Lower Carboniferous in the Tomsk region. V. V. Khakhlov. Mat. po geol. Zap. Sib. no. 53:222-230 '62.

TONGA ISLANDS—POLITICS AND GOVERNMENT

Answers to readers' questions. The state of Tonga. A. U. Nov. vrem. 21 no. 40 31 O '63.

TONGUE—CANCER

New models of instruments for radioisotope treatment of cancer of the base of the tongue and the oral cavity [with summary in English] M. F. Vyrzhikovskaia, E. P. Kutinova. Med. rad. 7 no. 12:61-63 D '62.

TONGUE—INNERVATION

Transverse connections between the nerves of the tongue. S. A. Kozel. Vop. morf. perif. nerv. sist. no. 6:58-64 '63.

TONKIN, GULF OF—TIGER FISHES

Length, weight, age, and growth rate of Therapon theraps Cuv. et Val. in the Gulf of Tonkin (North Vietnam). Nguen-Van-Tkhai, A. D. Druzhinin. Vop. ikht. 3 no. 3: 564-567 '63.

TONSILS—ABSCESS

Penicillin treatment of paratonsillary abscesses. A. P. Ivanovskii. Zhur. ush., nos. i gorl. bol. 23 no. 4: 67 Jl-Ag '63.

TONSILS—DISEASES

(see also subdivision under Chelyabinsk)

Pathogenesis of tonsillogenic intoxication [with summary in English]. N. A. Khanazarova. Zhur. ush., nos. i gorl. bol. 23 no. 4 53-53 Jl-Ag '63.

Review of A. I. Piskun's book "Chronic tonsillitis." V. N. Shchechkin. Med. sestra 22 no. 8:61 Ag '63.

Use of citral in conjunction with retrotonsillary injections of novocaine with a 5% alcohol admixture in the treatment of chronic tonsillitis. A. B. Elkelis. Zhur. ush., nos. i gorl. bol. 23 no. 4:66-67 Jl-Ag '63.

TONSILS—MICROBIOLOGY

Change in the microflora of tonsils under the influence of conservative treatment. A. A. Kalantaevskaia, S. E. Taibagarov, L. S. Vul'kovskaia. Zdrav. Kazakh. 23 no. 2:67-69 '63.

TONSILS—SURGERY

Atelectasis of a lung following tonsillectomy. A. S. Shilovtseva. Zhur. ush., nos. i gorl. bol. 23 no. 4:82-83 Jl-Ag '63.

Simplified loop for tonsillectomy. A. G. Akopova, M. D. Kazhlaev. Zhur. ush., nos. i gorl. bol. 23 no. 4:93-94 Jl-Ag '63.

TOOL STEEL

Carbon reduction in the surface layer of ball-bearing and tool steels. V. S. Mogil'chenko and others. Stal' 23 no. 9 839-840 S '63.

TOOL STEEL—FINISHING

Wear resistance of cutting disks and its connection with the technology of their manufacture. V. A. Sologub. Stal' 23 no. 6:561-562 Je '63.

TOOL STEEL—HARDENING

Increasing the resistance of R18 steel by thermomechanical treatment. M. M. Snitkovskii, N. V. Egorov, I. A. Golomaziuk. Metalloved. i term. obr. met. no. 9 19-22 S '63.

TOOL STEEL—METALLOGRAPHY

Dilatometric investigation of secondary martensite transformation in high-speed cobalt steel. A. N. Popandopulo. Metalloved. i term. obr. met. no. 9:6-14 S '63.

Improving the structure of high-speed steel in ingots, rolled products and forgings. Iu. A. Geller. Stal' 23 no. 9 831-834 S '63.

Naphthalenelike fracture of high-speed steel. A. P. Guliaev, R. P. Leshchinskaia. Metalloved. i term. obr. met. no. 9:22-27 S '63.

Structural changes in the zones of wear of cutting edges in high-speed steel. L. B. Zhermunskaia. Metalloved. i term. obr. met. no. 9:14-18 S '63.

Technology of making stainless, selenium-bearing, free-cutting steel. V. V. Nagovitsin, V. P. Taratynov. Metallurg 8 no. 9:15-16 Ag '63.

TOOL STEEL—THERMAL PROPERTIES

Heat conductivity of high-speed steels. Iu. A. Geller, V. F. Moiseev, A. A. Koltunov. Metalloved. i term. obr. met. no. 9 2-7 S '63.

TOOL STEEL—WELDING

Automatic welding of 25KhSNVFA steel with simultaneous induction heating. K. V. Liubavskii and others. Svar. proizv. no. 9 4-7 S '63.

TOPAZ—THERMAL PROPERTIES

Alteration of topaz under the effect of heating from 20° to 1250° C [with summary in French]. Konstantin Kurilenko. Min. sbor. no. 16 395-399 '62.

TOPOGRAPHY—TABLES, ETC

Il'in, A. P. [Universal topographical tables] Universal'nye topograficheskie tablitsy. [Alma-Ata] Kazakhskii sel'khoz. in-t, 1962. 356 p.

TOPOL'NITSKII, NIKOLAI MIKHAILOVICH, 1904-1963

Nikolai Mikhailovich Topol'nitskii. Torf. prom. 40 no. 4:37 '63.

TOPOLOGY

Central limiting theorem for stationary processes induced by number-theoretic endomorphisms [with summary in English] Chan Ying Kh'en. Vest. Mosk. un. Ser. 1 Mat., mekh. 18 no. 5 28-34 S-O '63.

Close imbeddings. L. M. Gluskin. Mat. sbor. 61 no. 2: 175-206 Je '63.

Condensations on Euclidean spaces. V. V. Proizvolov. Dokl. AN SSSR 151 no. 6:1286-1287 Ag '63.

Existence of a closed convex surface with a given integral curvature topologically mapped onto a sphere. A. A. Zilberberg. Trudy Sekt. mat. i mekh. AN Kazakh. SSR 2:72-77 '63.

Highly and weakly infinite-dimensional spaces [with summary in English]. L. A. Tumarkin. Vest. Mosk. un. Ser. 1 Mat., mekh. 18 no. 5 24-27 S-O '63.

Locally bicompact biregular rings. L. A. Skornialov. Mat. sbor. 62 no. 1 3-13 S '63.

Natural mappings of functors in the category of topological spaces. Mat. sbor. 62 no. 3:160-179 O '63.

Some direct and inverse theorems on best approximation in the mean of functions of several variables, and theorems on imbedding with weight. A. S. Dzhafarov. Trudy Inst. mat. i mekh. AN Azerb. SSR 2:5-23 '63.

Some pathological properties of the inductive limits of B-spaces. B. M. Makarov. Usp. mat. nauk 18 no. 3: 171-178 My-Je '63.

TORQUE

Torque caused by the stretching of a double-twisted wire mine cable. L. I. Zhukov. Izv. vys. ucheb. zav., gor. zhur. 6 no. 3:84-92 '63.

TORQUE—MEASUREMENT

Determination of the value of maximum torque transmitted by carrier centers. G. V. Abashkin, I. B. Kulikova, D. N. Tomilina. Trudy Stud. nauch. ob-va LIET no. 3:28-38 '59.

Measurement of rolling moments. V. P. Korzh, D. I. Sularov. Trudy Inst. met. UFAN SSSR no. 9:61-62 '62.

Mechanical shunt. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 3:103-106 '61.

Pulse-type, phase shift torque meter. V. S. Kuz'menko, Sudostroenie 29 no. 8:49-51 Ag '63.

Selection and evaluation of slip rings for the measurement of torques of rotating shafts of various machinery. D. N. Efimov. Izm. tekh. no. 5:18-20 My '63.

TORSION

Bend and torsion of a flat, circular bar of great curvature with nonsymmetrical cross section. D. I. Chistov. Trudy NPI 136:111-123 '63.

Creep in the torsion of a circular conical rod made of material characterized by non-steady-state inhomogeneity. M. A. Zadoian. Dokl. AN Arm. SSR 36 no. 3. 153-156 '63.

TORSUEV, NIKOLAI ALEKSANDROVICH, 1902-

Nikolai Aleksandrovich Torsuev, on his 60th birthday. A. A. Anton'ev. Vest. derm. i ven. 37 no. 1 83-84 '63.

TOURISM

[For you, tourists] How to conduct observations of nature during a trip] Vam, turisty! Kak provodit' nabliudenila nad prirodoi v pokhode. Izd. 2., perer. i dop. [By] A. F. Davydov i dr. [Leningrad] Lenizdat, 1963. 280 p.

Time of general tourism. V. Sakk. Smena 40 no. 12: 8-9 Ag '63.

TOURISTS, FOREIGN

(see also subdivision under Leningrad)

Viktorov, B. A. [Spies disguised as tourists] Shpiony pod maskoi turistov. Moskva, Voenizdat, 1963. 53 p.

TOURISTS, RUSSIAN see subdivision under Mauritius

TOURMALINE

Chemical composition and isomorphous replacements in tourmalines [with summary in English]. M. M. Slivko. Min. sbor. no. 16:113-120 '62.

TOURNAMENTS

Age of maturity. M. Gusev. Pozh. delo 9 no. 9:17-18 S '63.

TOWING

(see also subdivision under Germany, East; Poland)

Polin, L. E. [From the Baltic to the Black Sea; the towing of a floating dock] Baltika - Chernoe more; perekhod plavuchego doka. Moskva, Izd-vo "Morskoi transport," 1963. 130 p.

Taking an unpowered vessel alongside a tug. A. G. Petrov. Mor. flot 23 no. 10:26 O '63.

TOXEMIA

Influence of drug-induced anesthesia and the action of caffeine on the effectiveness of antibiotics in experimental bacterial intoxications. V. N. Derkach. Farmakol. i toksikol. 6 no. 2 14-17 Mr-Ap '63.

TOXICOLOGY

(see also subdivision under Butenyne)

Amirov, R. O. [Increasing the resistance of the body to the action of toxic substances] Povyshenie ustoichivosti organizma k deistviiu toksicheskikh veshchestv, eksperimental'noe issledovanie. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 95 p. (DNLM)

TOXICOLOGY—ABSTRACTS

[Pharmacology, Toxicology] Ref. zhur.: Farm. Toks. no. 20 O '63.

TOXINS AND ANTITOXINS

Deoxyribonuclease activity in corynebacterium and its relation to toxigenicity. O. V. Messinova, D. V. Ilyashova, N. S. Shamsutdinov. Zhur. mikrobiol., epid. i immun. 40 no. 1:20-25 '63.

Determination of the activity of toxins of clostridium perfringens and cloedematiens in tissue cultures. F. M. Zemskov. Zhur. mikrobiol., epid. i immun. 40 no. 1 69-73 '63.

Effect of novocaine therapy on some indicators of detoxication processes in elderly and senile people. N. I. Strizhova-Satova. Vrach. delo no. 9:135-139 S '63.

Experimental study on polyvalent anaerobic toxoids. Part 4: Study of the immunological effectiveness of the toxoid in late revaccination [with summary in English] G. V. Vygodchikov and others. Zhur. mikrobiol., epid. i immun. 40 no. 1:127-132 '63.

TOXOPLASMOSIS

Case of development of a convulsive condition in a neonate. P. N. Tuliaganov. Pediatriia 42 no. 1:85-87 Ja '63.

Determination of C-reactive protein in toxoplasmosis under experimental and clinical conditions. V. I. Vashvili. Pat. fiziol. i eksp. terap. 7 no. 1:75-76 Ja-F '63.

Diencephalic lesion in toxoplasmosis. Kh. G. Yals. Vrach. delo no. 7:144-145 Jl '63.

Experience in the study of the complement fixation reaction with toxoplasmosis antigen in patients with neurofibromatosis. V. I. Kechker, N. S. Potekaev, R. Z. Nasyrmushkina. Vest. derm. i ven. 37 no. 1:56-58 Ja '63.

TOY INDUSTRY

Let's give attention to Soviet toys. A. Stoslitskaia. Doshk. vosp. 36 no. 7:100 Jl '63.

TOY THEATERS

For the tiny ones. T. Karamanenko. Doshk. vosp. 36 no. 8:112-114 Ag '63.

TOYS

The making of toys. A. Solov'eva. Doshk. vosp. 35 no. 9:32-34 S '63.

New toys. E. Kossakovskaia. Doshk. vosp. 36 no. 8 91-93 Ag '63.

TOYS (Continued)
Toys from natural material G Labunskaia, A. Efimova. Sovkola-int no. 4 61-64 Jl-Ag '63

"Zoological garden" IU Bugel'skii. Doshk. vosp. 36 no. 8 114 Ag '63

TRACE ELEMENTS
(see also subdivision under Armenia, Donets Basin)
Effect of prolonged application of organic and mineral fertilizers on the availability of trace elements in the soil [with summary in English] P. I. Nikishkina. Pochvovedenie no. 9 13-20 Ag[i.e.S] '63.

TRACE ELEMENTS—PHYSIOLOGICAL EFFECT
"Biotics" by A. I Venchikov Reviewed by V. V Alpatov Usp sovr biol 56 no 1 136-138 Jl-Ag '63.

TRACERS (BIOLOGY)
Use of the isotope method for the study of absorption from the digestive tract D E Grodzenskii, K. S. Zamychkina Med rad no 1 71-76 '63

TRACHEA—CANCER
Unusual case of primary cancer of the trachea. A. S. Kozhuk. Zdravookhranenie 6 no 2 60-61 Mr-Ap '63.

TRACHEA—SURGERY
Tracheostomy in the compound treatment of a severe injury. S. G. Girshin Ortop., travm i protez. 24 no 2 57-61 F '63.

TRACK ATHLETICS
Good start. M. Skoromnyi. Sov. voin 45 no. 18:42 S '63.

TRACTOR INDUSTRY
(see also subdivision under Chelyabinsk; Minsk)
Immediate tasks in the specialization of enterprises of the tractor industry. V. A. Grigorov. Trakht. i sel'khozmash. 33 no. 9 1-2 S '63.

TRACTORS
Kaloshin, A. I. [The "Belarus'" MTZ-5 tractor] Traktor "Belarus'" MTZ-5 Moskva, Proftekhizdat, 1963. 142 p.

Characteristics of the development of industrial tractors abroad V. D. Kovrigin Trakht. i sel'khozmash. 33 no. 9:43-45 S '63

Device for the utilization of tractors in loading and unloading operations. I. M. Vasil'chenko, V. A. Khodorevskii. Les. khoz. 16 no. 8 59-60 Ag '63.

Driving tractors by a sighting line. N. Kobchenko. Tekh. v sel'khoz. 23 no. 3:41-46 Mr '63.

Gel'man, B. M. [DT-54A tractor] Traktor DT-54A. Moskva, Proftekhizdat, 1963. 150 p.

For independent tractor brigades. M. Kovalenko. Mekh. sil'. hosp. 14 no. 4:18 Ap '63.

Khar'kovskii traktorosborochnyi zavod. [KhTZ-7 tractor; manual on its design, maintenance and operation] Traktor KhTZ-7, rukovodstvo po ustroistvu i ukhodu v ekspluatatsii. 3. izd., dop. i ispr. Pod obshchei red. S. A. Serikova. Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1955 194 p

New cab on a timber skidding tractor. E. I. Gol'dman, A. A. Lysechenko, A. V. Murav'ev. Les. prom. 41 no. 8:15-16 Ag '63.

The S-80 tractor in winter rafting. B. I. Balashov. Les. prom. no. 9 22 S '62.

Small-size tractors. I. A. Lavrov, V. K. Zhukov, L. F. Barannikov. Les. prom. 41 no. 3:12-14 Ag '63.

Timber skidding tractor in lumber chuting. Z. K. Mandych. Les. prom. 40 no. 3:20-21 Mr '62.

A useful book for machine operators. V. M. Sukharev. Trakt. i sel'khozmash. 33 no. 4:47-48 Ap '63.

Ways for increasing the duty of the T-16 self-propelled chassis. S. E. Libtsis, A. I. Vasernis. Trakt. i sel'khozmash. 33 no. 4:4-5 Ap '63.

TRACTORS—COLD WEATHER OPERATION
Calculating the process of heating a tractor engine. P. F. Boriskov. Trakt. i sel'khozmash. 33 no. 5:17-18 My '63.

Mechanized fueling and heating unit. A. Serov. Tekh. v sel'khoz. 23 no. 2:51-52 F '63.

Traction qualities of the T-40 and T-40A wheeled tractors in winter. IU. F. Malyshev. Trakt. i sel'khozmash. 33 no. 4:6-10 Ap '63.

TRACTORS—DESIGN AND CONSTRUCTION
(see also subdivision under Altai Territory)
Design characteristics of the new Soviet tractors. M. Penkin. Tekh. v sel'khoz. 23 no. 3:83-86 Mr '63.

Review of a textbook on the theory, design, and calculations of tractors. I. Tikhomirov. Trakht. i sel'khozmash. 33 no. 9:45-46 S '63.

TRACTORS—ECONOMIC ASPECTS see subdivision under Estonia

TRACTORS—ENGINES
Family of air-cooled tractor engines. E. A. Sarkisiants, L. IA. Bekritskii. Trakt. i sel'khozmash. 33 no. 5: 4-8 My '63.

Improving the apparatus for testing engines. M. G. Kruglov, IA. E. Egorov, V. P. Dmitriev. Trakt. i sel'khozmash. 33 no. 5:18-20 My '63.

Ariamonov, M. D., and G. P. Pankratov. [Theory and design of motor-vehicle and tractor engines] Teoriia, konstruktsiia i raschet avtotraktornykh dvigatelei. Moskva, Mashgiz, 1963. 520 p.

Wear resistance of parts of the D-54 hopped-up engines. F. Stradymov, V. Diadiushko. Tekh. v sel'khoz. 23 no. 2:57-58 F '63.

TRACTORS—ENGINES—OIL FILTERS
Practices in stamping the frame of an oil filter without interoperational annealing. IU. A. Averkiev. Trakt. i sel'khozmash. 33 no. 4:44-45 Ap '63.

TRACTORS—FUEL SYSTEMS
Adapting the engine of the "Belarus" tractor for operation with condensed fuels. N. P. Voznesenskii. Trakt. i sel'khozmash. 33 no. 4:17-19 Ap '63.

Improving the regulation of fuel pumps. G. Golubev. Tekh. v sel'khoz. 23 no. 2:71-72 F '63.

Increasing the stability of the regulation of fuel injectors. S. D. Aksenov. Trakt. i sel'khozmash. 33 no. 5: 20-21 My '61.

Method for thermal mass processing of camshafts. I. Sh. Svet. Trakt. i sel'khozmash. 33 no. 4:40-42 Ap '63.

Should it be done this way? N. Speransov. Tekh. v sel'khoz. 23 no. 2:61 F '63.

Some problems in the kinematics of axial piston pumps. K. I. Gorodetskii. Trakt. i sel'khozmash. 33 no. 6 8-11 My '63.

Starting carburetor engines on gasoline with the addition of oil. G. Gersh. Tekh. v sel'khoz. 23 no. 2:58-60 F '63.

TRACTORS—HYDRAULIC EQUIPMENT
Dismountable nozzles for elastic hoses. Z. Dagla. Tekh. v sel'khoz. 23 no. 2:79 F '63.

Hydraulic suspension systems of tractors for single machines or aggregates. V. Semenov. Tekh. v sel'khoz. 23 no. 3:86-89 Mr '63.

TRACTORS—LUBRICATION
Determining defects in the lubrication system of tractor engines. K. Pokkine. Tekh. v sel'khoz. 23 no. 3:71 Mr '63.

TRACTORS—MAINTENANCE AND REPAIR
(see also subdivision under Ukraine; Zaporozh'ye Province)
How to drill the bracket of a guide wheel. I. Negrutsa. Tekh. v sel'khoz. 23 no. 3:75-76 Mr '63.

How to make a reverse shaft. A. Kononov. Tekh. v sel'khoz. 23 no. 2:60 F '63.

In a leading region. IU. Laskov. Tekh. v sel'khoz. 23 no. 2:4-6 F '63.

Machine for riveting frames. A. P. Marchuk. Mekh. sil'. hosp. 14 no. 5:28-29 My '63.

[Mechanic for repairing motor vehicles and tractors] Slesar' po remontu avtomobilei i traktorov. [By] B. G. Baer i dr. Moskva, Mashgiz, 1963. 316 p.

Repairing the distributor cap and supports of tractor engines. A. Onishchenko. Tekh. v sel'khoz. 23 no. 3: 74 Mr '63.

Russia (1923- U.S.S.R.) Ministerstvo sel'skogo khoziaistva. [Technical maintenance of the KD-35, KDP-35, and T38 tractors] Tekhnicheskii ukhod za traktorami KD-35, KDP-35 i T38. Moskva, Biuro tekhn. informatsii GOSNITI, 1962. 153 p.

Who will operate reserve tractors? S. IAkimenko. Tekh. v sel'khoz. 23 no. 3:69 Mr '63.

TRACTORS—STARTING DEVICES
Methods for calculating the resistance moments and necessary power of electric starting systems. IA. A. Mendelevich. Trakt. i sel'khozmash. 33 no. 4:10-13 Ap '63.

TRACTORS—TESTING
Improvement of the SGU-2 stand. A. Gibert. Tekh. v sel'khoz. 23 no. 3:52-53 Mr '63.

TRACTORS—TRANSMISSION DEVICES
Boring holes in the body of the gearshift box. IU. Legotin. Tekh. v sel'khoz. 23 no. 2:69-71 F '63.

Gearbox, rear axle, and final drive of the DT-75 tractor. V. Gorozhankin. Tekh. v sel'khoz. 23 no. 3:33-39 Mr '63.

Results of testing tractors with automatic friction transmissions. V. A. Kamenetskii, I. A. Shnospitskii, L. G. Cheskrizov. Trakt. i sel'khozmash. 33 no. 5:11-14 My '63.

Using induction transducers for measuring displacements in the elements of the power transmission of a tractor. P. G. Efremenko, G. N. Shepelenko, M. N. Kodenko. Vest. mashinostr. 43 no. 8:32-34 S '63.

TRADE UNIONS
(see also subdivision under Africa; Armenia; Baltic States; Colombia; Japan; Korea, North; Mali; Nigeria; Sudan; White Russia)
Democratic trade-union rights are a vital question Louis Saillant. Vsem. prof. dvizh. no. 8:32-35 S '63

Education of man is our most important task. T. Nikolaeva. Sov. profsoiuzy 19 no. 16:1-3 Ag '63.

First experiment. A. Lisichenkov. Mest. prom. i khud. promys. 4 no. 4:22 Ap '63.

Fourth Plenum of the Central Committee of the Trade Union of Prospecting Workers. E. S. Krivenko, A. I. Smirnov. Razved. i okh. nedr 29 no. 9 57-61 S '63.

"History of the trade-union movement in foreign countries, from the 1760's to 1939." Reviewed by B. F. Pichugin. Vop. ist. 38 no. 9:123-125 S '63.

International workers' movement is on the upsurge Edwin Chlebown Vsem prof dvizh no 9 35-39 S '63

Let's carry out the decision of the party! Okh. truda i sots. strakh. 6 no. 7:1-3 Jl '63.

Raise the level of work in the communist training of workers. P. I. Shelakhin. Geod. i kart. no. 9:3-8 S '63.

The source of the strength of Soviet trade unions. Part. zhizn' no. 18:3-7 S '63.

Twelfth Plenum of the All-Union Central Council of Trade Unions. Okh. truda i sots. strakh. 6 no. 8 1-2 Ag '63.

Voice of the W. F. T. U. at the World Congress of Women. Vsem. prof. dvizh. no. 7/8 17-18 Jl-Ag '63.

TRADE UNIONS—CONGRESSES
(see also subdivision under Malagasy Republic)
In defense of transportation workers' vital interests. Satish Chaterjee. Vsem. prof. dvizh. no. 7/8 10-41 Jl-Ag '63.

TRADE UNIONS—FINANCE see subdivision under Oktyabr'skii District

TRADE UNIONS—HANDBOOKS, MANUALS, ETC.
[Trade-union group organizer's companion] Sputnik profgruporga... [By] N. P. Ogolev i dr. [Moskva] Profizdat, 1962. 288 p.

TRADE UNIONS—OFFICERS
(see also subdivision under Kaliningrad; South Africa, Republic of; Spain)
Orkin, G. A. [Control of volunteers over the work of public dining rooms] Obshchestvennyi kontrol' za rabotoi stolovykh. [Moskva] Profizdat, 1963. 77 p. (Bibliotechka profsoiuznogo aktivista, no. 11(59))

The trade-union committee is the organizer of competition A. Sargin. Sov. profsoiuzy 19 no 16.20-31 '63.

Volunteer aids. M. Kommisarova. Sov. profsoiuzy 19 no. 16:20-22 Ag '63.

Volunteer inspector's day. V. Titarenko. Sov. profsoiuzy 19 no. 16:12-13 Ag '63.

TRADEMARKS
[Bulletin on inventions and trademarks] Biul. izobr. i tov. znak. 40 nos. 1, 11-15 Ja, Je-Ag '63.

TRADEMARKS (INTERNATIONAL LAW)
Vsesoiuznaia torgovaia palata. Patentnyi otdel. Spravochnik o poriadke patentovaniia inostrannykh izobretenii i registratsii inostrannykh tovarnykh znakov v SSSR. General information on the procedure of patenting foreign inventions and of registering foreign trade marks in the USSR. Moskva, 1956. 8 p. [Text in Russian and English]

TRAFFIC ACCIDENT INVESTIGATION
Mechanism of the formation of annular fractures of the bones at the skull base. V. G. Koshkalda, A. B. Raukhverger. Sud.-med. ekspert. 6 no. 3:52-53 Jl-S '63

Symptom of pelvic compression in children and juveniles in an automobile accident trauma. V. S. Semennikov. Sud.-med. ekspert. 6 no. 3:22-24 Jl-S '63.

Unusual transpositions of internal organs in automobile accident injuries. V. V. Kozlov. Sud.-med. ekspert. 6 no. 3:51-52 Jl-S '63.

TRAFFIC ACCIDENTS
(see also subdivision under Moscow)
When a pedestrian is guilty. B. Kurinov. Za bezop. dvizh. 6 no. 7:6-7 Jl '63.

TRAFFIC ACCIDENTS—CASES
Following up our articles. Za bezop. dvizh. 6 no. 7:15 Jl '63.

Frankly,... V. Zhulev. Znan.-sila 38 no. 3:18-21 Mr '63.

TRAFFIC COURTS
Notes of a lawyer. M. Frenkel'. Za bezop. dvizh. 6 no. 7:11 Jl '63.

TRAFFIC POLICE see subdivision under Kiev

TRAFFIC REGULATIONS
Serlakov, I. M. [Laws of streets and roads] Zakony ulits i dorog. Izd. 2., perer. i dop. Moskva, Izd-vo DOSAAF, 1963. 83 p.

Our mailbox. Za bezop. dvizh. 6 no. 7:16 Jl '63.

Traffic regulations should be reviewed. M Tomushev. Avt. transp. 41 no. 5:45-46 My '63

TRAFFIC [illegible]

[illegible]

TRAFFIC SIGNS AND SIGNALS

[illegible]

TRAINING OF TEACHERS see Teachers, training of

TRANS-ILI ALATAU—GLACIOLOGICAL RESEARCH

[illegible]

TRANS-ILI ALATAU—PIKAS

[illegible]

TRANS-ILI ALATAU—WORMWOOD

[illegible]

TRANS-ILI ALATAU REGION—LANDFORMS

[illegible]

TRANSBAIKALIA—CRUSTACEA, FOSSIL

[illegible]

TRANSBAIKALIA—FUNGI

Fungi of Transbaikalia. B. A. Tomilin. Bot. mat. Otd. [illegible] 16:131-156 '63.

TRANSBAIKALIA—GEOLOGY, STRUCTURAL

[illegible]

Geotectonic relationship between the Cenozoic and Mesozoic troughs in eastern Transbaikalia and the fault systems of different ages [with summary in English]. V. [illegible]. Geol. i geofiz. no. 4:79-87 '63.

TRANSBAIKALIA—GRANITE

N. I. Mituk, M. P. Fishkin's article "New data on the geology and petrography of the Shtensk granitoid massif (eastern Transbaikalia)." B. V. Ivanov. Geol. i geofiz. no. 3:94-95 '63.

Staurolite an accessory mineral of granites. V. V. Shafer, S. D. Pajov, Z. F. Ovcharova. Trudy Min. muz. no. 14:209-214 '63.

TRANSBAIKALIA—OLD BELIEVERS

Anthropological research among the Russian Old Believers in Transbaikalia. G. M. Davydova. Trudy Inst. etn. [illegible]:67-87 '63.

TRANSBAIKALIA—RAILROADS—SAFETY MEASURES

[illegible]

TRANSCARPATHIA—GYPSUM

Mineralogy of gypsum anhydrite of sulfur deposits in Transcarpathia [with summary in English]. D. P. Bogdanovich. Min. sbor. no. 16:271-272 '62.

TRANSCARPATHIA—HISTORICAL RESEARCH

Discussing the results of historical research at the 17th Conference of Uzhgorod University. P. P. Hunudi. Ukr. ist. zhur. 7 no. 11:156-157 [illegible] '64.

TRANSCARPATHIA—JEHOVAH'S WITNESSES

[illegible]

TRANSCARPATHIA—JOURNALISM—RELIGION

[illegible]

TRANSCARPATHIA—LABOR AND LABORING CLASSES

New features of the mode of workers' life in Transcarpathia. S. V. Makarchuk. Mat. z etn. ta mystetstvoznav. no. 7/8 3-20 '62.

TRANSCARPATHIA—MANUSCRIPTS, UKRAINIAN

Old manuscripts and early printed books. B. A. Derkach. Rad. lit. 7 no. 3:139-140 My-Je '63.

TRANSCARPATHIA—MOUNDS

New materials on the study of the culture of Carpathian mounds in Transcarpathia. V. M. T'Syhylyk. Mat. z dosl. z arkheol. Prikarp. 1 Vol. no. 4:71-78 '62.

TRANSCARPATHIA—POULTRY—DISEASES AND PESTS

Chemical prophylaxis and treatment of chicken coccidiosis. A. E. Sabo. Veterinariia 39 no. 11:48-49 N '62.

TRANSCARPATHIA—SOCIAL LIFE AND CUSTOMS

New features of the mode of workers' life in Transcarpathia. S. V. Makarchuk. Mat. z etn. ta mystetstvoznav. no. 7/8 3-20 '62.

TRANSCAUCASIA—AESTHETICS

History of the aesthetic theories of Transcaucasian nations. G. Z. Apresian. Ist.-filol. zhur. no. 2:171-189 '63.

TRANSCAUCASIA—CAVE FAUNA

Biospeleological studies in western Transcaucasia carried out in the summer of 1960. S. I. Levushkin. Nov. kar. i spel. no. 3:66-68 '63.

TRANSCAUCASIA—LANDFORMS—MAPS

Practice in plotting a general landform map of Transcaucasia. N. A. Gvozdetskii. Mat. Kom. po land. kart. no. 2:5-18 '62.

TRANSDUCERS

Air-tight electric contact transducers. V. V. Gorlov. Avt. prom. 29 no. 10:37-39 O '63.

Increasing the service reliability of a transistorized contactless position pickup [with summary in English]. N. I. Preobrazhenskii, L. I. Komanov. Izv. TSKHA no. 2:166-172 '63.

Measurement of the temperature of the armatures of d.c. machines using Hall e.m.f. transducers. I. N. Bogatenko. Energ. i elektrotekh. prom. no. 3:52-54 Jl-S '63.

Using induction transducers in measuring displacements at high temperatures. M. I. Korsunskii, A. S. Lagunov, L. P. Balvel'. Izm. tekh. no. 8:16-19 Ag '63.

Using induction transducers for measuring displacements in the elements of the power transmission of a tractor. P. G. Efremenko, G. N. Shepelenko, M. N. Kodenko. Vest. mashinostr. 43 no. 9:32-34 S '63.

TRANSFORMATIONS (MATHEMATICS)

Analyticity of the kernel of an integral transformation. V. F. Leont'ev. Mat. sbor. 62 no. 1:31-38 S '63.

TRANSIENTS (ELECTRICITY)

[illegible] eddy currents on transients in electromagnets [illegible]sev. Elektrichestvo no. 9:33-37 S '63.

[illegible]. [Transients in long-distance power transmissions] *Perekhodnye protsessy v linliakh* [illegible] rotiazhennosti. Moskva, Gosenergoizdat, [illegible] p.

[illegible] of transient processes in electric networks [illegible]ed on the basis of Bessel's polynomials. A. A. Elektrosviaz' 17 no. 9:43-54 S '63.

[illegible] in electrical networks in mines. Kh. M. Zhe[illegible]. Elektrichestvo no. 9:55-60 S '63.

TRANSISTOR AMPLIFIERS

[illegible] A. A. Rizkin's article "Design of transistor amplifiers." V. Bykov. Elektrosviaz' 17 no. 9:[illegible] '63.

[illegible]aroslav. [Low-frequency transistor amplifiers] [translated from the Czech] Usilitel' nizkoi [illegible] s tranzistorakh. Izd. 2, perer. Moskva, [illegible]963. 319 p.

[illegible]rative amplifier using tunnel diodes. E. A. [illegible]. P. D. Berestnev. Radiotekhnika 18 no. 8:31-[illegible].

TRANSISTOR OSCILLATORS see OSCILLATORS, TRANSISTOR

TRANSISTORS

Growth of a p-n-p junction by alloying and its use in high frequency [illegible]. I. S. [illegible]. Radiotekhnika [illegible]tron. 8 no. 6:1795 O '63.

Internal oscillations in transistors with [illegible]. N. A. Shelkovnikov, I. D. Prokof'ev, [illegible]nov. Radiotekh. i elektron. 8 no. 10:[illegible] '63.

Properties of an electron-hole junction in the [illegible] the direction of large currents through the [illegible]. Radiotekh. i elektronika 8 no. 1:[illegible] '63.

Use of transistor diodes. V. [illegible]. Avtomat. i telemekh. na zheleznodorozhnom transporte i [illegible]tvovozd. obor. no. 11:10-11 N '61.

TRANSISTORS—TESTING

Transistor testing devices. S. Maslin. V pomoshch' radiolyubitelyu no. 12:21-30 '63.

TRANSITION METALS

Inoculating aluminum with transition metals. [illegible] mikhov, G. V. Samsonov. Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 2:96-98 Mr-Ap '63.

Microwave and paramagnetic resonance [illegible] hedral complexes of transition metals. [illegible] figuration taking. Inversion splitting. [illegible]. B. Bleaney, D. G. Ventner. J. Chem. Phys. [illegible] 2440 '63.

TRANSLATING AND INTERPRETING

"International key for translation." [In Hungarian] M. Gabor. Reviewed by I. A. Mel'chuk. Mashinn. perevody prikl. ling. no. 2:58-60 '59.

TRANSLATIONS—BIBLIOGRAPHY see Bibliography—Translations

TRANSONIC AERODYNAMICS see Aerodynamics, Transonic

TRANSPLANTATION (PHYSIOLOGY)

Mysteries and discoveries. Nauka i [illegible] My '63.

TRANSPORT WORKERS

In defense of transportation workers' [illegible]. Satish Chatterjee. Vnem. prof. dvizh. [illegible] Jl-Ag '63.

TRANSPORTATION

(see also subdivision under Volga-Vyatka [illegible] region)

Direct delivery of container cargo. N. [illegible] flot 23 no. 10:10-12 O '63.

Koldomasov, Iu. I. [Economic flow in the national economy of the U.S.S.R.] Ekonomicheskie svoistva [illegible]nom khoziaistve SSSR. Moskva, Ekonomizdat, [illegible] 430 p.

Russia (1917- R.S.F.S.R.) Ministerstvo kommunal'nogo khoziaistva. [New equipment for municipal services, city road and bridge system, transportation] Novaia tekhnika zhilishchno-kommunal'nogo khoziaistva, gorodskoe dorozhno-mostovoe [illegible]tvo i transport. Nauchno-tekhnicheskii informatsionnyi sbornik. Moskva, Izd-vo MKKh RSFSR. No. 2. 1963. 158 p.

Kharkovskii, E. M. [Present-day transportation] Sovremennyi transport. Moskva, Izd-vo "Znanie," (Narodnyi universitet kul'tury: Tekhnicheskoe [illegible]skii fakul'tet, no. 0)
No. 1. 1963. 36 p.

TRANSPORTATION—ABSTRACTS

[Industrial transportation] Ref. zhur.: Prom. transp. no. 10 O '63.

TRANSPORTATION—LAWS AND REGULATIONS

Amendment of transportation laws. Iu. S. T[illegible]. Sov. gos. i pravo no. 10:137-138 O '63.

Legal regulation of relations pertaining to the transportation of freight; apropos of the proposed new [illegible] of the R.S.F.S.R. L. M. Egorov. Inform. sbor. TSNIIMF no. 40. Mor. pravo i prak. no. 9:15-19 '63.

Let us fully protect the interests of the shippers of [illegible]. B. Riabinskii. Sov. tust. no. 15:16-17 Ag '63.

TRANSPORTATION, AUTOMOTIVE

(see also subdivision under Crimea; Cuba, [illegible] Province; Irkutsk Province; Ivanovo; Kiev; Kuybyshev; Moscow; Serpukhov)

Abroad. Avt. transp. 41 no. 9:60-62 S '63.

Information. Avt. transp. 41 no. 9:57-59 S '63.

Investigating interurban freight haulage on Kiev-[illegible] highway. I. Krivenko. Avt. transp. 41 no. 5:34-35 My '63.

Legitimate pride. I. TSellishchev. Avt. transp. 41 no. 6-7 S '63.

Objectives for the development of automotive transportation and the scientific and technical community. [illegible]plikov. Avt. transp. 41 no. 9:1-3 S '63.

Vigilant eye of the people. Avt. transp. 41 no. 10:1 O '63.

TRANSPORTATION, AUTOMOTIVE—ABSTRACTS
[Automotive and city transportation] Ref. zhur. : Avt. i gor. transp. no. 10 O '63.

TRANSPORTATION, AUTOMOTIVE—ACCOUNTING see subdivision under White Russia

TRANSPORTATION, AUTOMOTIVE—BIBLIOGRAPHY see Bibliography—Transportation, Automotive

TRANSPORTATION, AUTOMOTIVE—COST OF OPERATION
Establishment of gradual norms is the basis for planning transportation expenses. E. Aizenberg, G. Pakhomova. Avt. transp. 41 no. 5 31-32 My '63.
Methodology for calculating the costs of automotive freight transportation. A. V. Lebedinskii. Nauch. trudy KIIT no. 55 72-80 '62.

TRANSPORTATION, AUTOMOTIVE—FREIGHT
Using timetables in determining the number of trips. D. Rovenskii. Avt. transp. 41 no. 10 15-16 O '63.

TRANSPORTATION, AUTOMOTIVE—MANAGEMENT
Approximate solution of operational transportation problems. V. Baulin, S. Panov. Avt. transp. 41 no. 10 34-37 O '63.
From word to deed. G. Pavlenko. Avt. transp. 41 no. 5:33 My '63.
How to improve planning. Avt. transp. 41 no. 9 32-37 S '63.
Scientific technical conference on the improvement of the planning of automotive transportation. N. Semikin. Avt. transp. 41 no. 9 37-10 S '63.
Urged for the creation of a unified automotive transportation system. V. Lazaretov. Avt. transp. 41 no. 10. 33 O '63.

TRANSPORTER BRIDGES
Erection of the steel sections of a transporter bridge. S. Iu. Rabinovich, P. A. Tarushkin. Shakht. stroi. 7 no. 10 16-20 O '63.

TRANSPOSITION (MUSIC)
Rafalovich, O. V. [Transposition in a piano class] Transponirovanie v klasse fortepiano. Pod red. L. N. Raalena. Leningrad, Muzgiz, 1963. 35 p. (V pomoshch' pedagogu muzykantu)

TRAUMATISM
Freidlin, S. IA. [Prevention of traumatism and the organization of traumatological aid] Profilaktika travmatizma i organizatsiia travmatologicheskoi pomoshchi. 2. izd., ispr. i dop. Leningrad, Medgiz, 1963. 208 p. (DNLM)
Role of trauma in the pathogenesis of lupus erythematosus. I. E. Lelis. Vest. derm. i ven. 37 no. 1 15-18 Ja '63.
Unusual transpositions of internal organs in automobile accident injuries. V. V. Kozlov. Sud.-med. ekspert. 6 no. 4:51-52 Jl-S '63.

TRAVEL
Hosts welcome.... Ogonek 41 no. 22:25 My '63

TRAVELING-WAVE TUBES
Contribution to the theory of a nonuniform helical line. E. G. Solov'ev. Radiotekhnika 18 no. 7 20-24 Jl '63.
Excitation of a delay line by a periodic sequence of extended electron clots. G. F. Filimonov. Radiotekh. i elektron. 8 no. 10:1706-1711 O '63

TRAVERSES (SURVEYING)
Practice of using short-base parallactic traverse surveying. K. V. Gromov. Geod. i kart. no. 9 34-39 S '63.

TREATY OF RAPALLO see Rapallo, Treaty of

TREE FELLING
Felling trees with roots. I. V. Kosach'. Les. prom. 10 no. 9 2-3 of cover S '62.

TREE PLANTING
(see also subdivision under Tatar A.S.S.R.)
SKS-1 planter for large seedlings. M. F. Liutin, A. V. Nazarov. Trakt. i sel'khozmash. 33 no. 6:35 My '63.

TREES
(See also subdivision under Black Sea region; Ural Mountains)
A book on fast-growing tree species. P. P. Uzlumskii, N. V. Romoshov. Les. khoz. 16 no. 7:89-90 Jl '63.

TREGUBENKO, ALEKSANDR FEDOROVICH, 1903-1963
Aleksandr Fedorovich Tregubenko, an obituary. Stal' 23 no. 9 863 S '63.

TREMATODA
Simplified method for producing permanent microscope preparations of monogenean trematodes. A. Kh. Akhmerov, E. A. Bogdanova. Trudy VNIIPRKH 8:219-220 '56.

TREPCA—LUDLAMITE
Regular intergrowth of vivianite and ludlamite from the Stari TRG (Trepca) lead-zinc deposit. Twins of ludlamite [with summary in German]. L. Baric. Min. sbor. no. 16:391-396 '62.

TREPCA—VIVIANITE
Regular intergrowth of vivianite and ludlamite from the Stari TRG (Trepča) lead-zinc deposit. Twins of ludlamite [with summary in German] L. Baric. Min. sbor. no. 16:301-305 '62

TRET'IAKOV, IVAN POLIKARPOVICH
Stories by Ivan Tret'iakov. P. Matveev. Sov. voin. 15 no. 17 18 S '63.

TRIALET RANGE REGION—ARCHITECTURE, DOMESTIC
Dwellings and farm buildings in the Trialet Range. V. I. Tsilosani. Mat. po etn. Gruz. no. 13/14 301-317 '64

TRIALS (POLITICAL CRIMES AND OFFENSES) see subdivision under Germany, West

TRIANGULATION
Combined adjustment of a continuous 3d and 4th class triangulation net by Repsold's method. A. S. Stolypin. Geod. i kart. no. 9 47-50 S '63.

TRIANGULATION SIGNAL TOWERS
Erecting signal towers with a thumb grid. A. I. Pol'nikov. Geod. i kart. no. 9 48-10 S '63.

TRIAZINE
Free-radical polymerization of triazine cycles. A. N. Pravednikov and others. Dokl. AN SSSR 151 no. 6, 1317-1319 Ag '63.
New herbicide [translated from the Slovak]. J. Synak, J. Hinfar. Zashch. rast. ot vred. i bol. 8 no. 1:52-53 Ap '63.
Study of triazine derivatives as growth regulators in plants. Report No. IV: Effect of simazine and atrazine on the change in intensity of the photosynthesis and respiration of plants. S. M. Mashtakov, R. A. Prokhorchik. Dokl. AN BSSR 7 no. 6 418-421 Je '63.
Study of triazine derivatives as regulators of plant growth. V. Change in the photochemical activity of chloroplasts under the influence of simazine and atrazine. S. M. Mashtakov, R. A. Prokhorchik. Dokl. AN BSSR 7 no. 8 557-560 Ag '63.

TRICHINA AND TRICHONOSIS
Improvement of the method of trichinoscopy. A. S. Bessonov. Veterinariia 39 no. 9:62-65 S '62.
Simple method for trichinoscopy of pork [with summary in English]. O. V. Rybaltovskii, P. A. Vladimirova. Veterinariia 39 no. 9:66-67 S '62.

TRICHOCEPHALIASIS
Treatment of trichocephaliasis. I. V. Shevtsov. Veterinariia 40 no. 9:36 S '62.

TRICHOMONIASIS
(see also subdivision under Donetsk Province)
Answers to readers' questions. Zdravookhranenie 6 no. 2 61-62 Mr-Ap '63
New data on the epidemiology of trichomoniasis of the urogenital system. J. H. Teras, E. M. Rõigas, I. A. Laan. Akush. i gin. no. 2:111-115 '63.
Organization of detection of trichomonal infestation in men and women. Kh. S. Toroman, Z. S. Sakharova. Akush. i gin. no. 2:115-118 '63.
Role of swine trichomonads in the epizootiology of cattle trichomoniasis. B. A. Timofeev. Veterinariia 39 no. 9:37 S '62.

TRICHOMONOCIDE
Treatment of trichomoniasis with trichomoacid. IU. K. Skripkin, D. M. Goldberg, E. IA. Shenbaum. Vest. derm. i ven. 37 no. 2 87-88 F '63.

TRIGEMINAL NERVE
Connections between the facial nerve and the trigeminal nerve in man and some animals. A. T. Olashkevich. Vop. morf. porif. nerv. sist. no. 6:104-101 '63.

TRIGONOMETRY—TABLES, ETC.
Zhongolovich, I. D., and T. B. Sabanina. [Five-place tables of natural values of $\tan \frac{x}{2}$ and $\tan \frac{2x}{2}$]
Tablitsy natural'nykh znachenii $\operatorname{tg} \frac{x}{2}$ i $\operatorname{tg} \frac{2x}{2}$ s piat'iu znachashchimi tsiframi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 383 p.

TRILOBITES see subdivision under Altai Mountains; Gornaya Shoriya

TRIMETHYLAMINE
Interaction of cupric chloride and bromide with trimethylamine hydrochloride. L. A. Il'inkevich, G. A. Shagisultanova. Zhur. neorg. khim. 8 no. 10:2308-2313 O '63.

TRIOCTYLAMINE
Extraction of oxalic acid with trioctylamine. V. S. Smelov, A. V. Strakhova. Radiokhimiia 5 no. 4:509-511 '63.
Extraction of rhenium and molybdenum with trioctylamine from sulfuric acid solutions. A. A. Zaitsev and others. Zhur. neorg. khim. 8 no. 9:2184-2186 S '63.

TRITICUM-AGROPYRON HYBRIDS
Mycotrophy of Triticum-Agropyron hybrids [with summary in English]. L. M. Buleeva. Bot. zhur. 48 no. 8 1131-1137 Ag '63.

TRITIUM
Interaction of hot atoms of tritium with aliphatic alcohols in the liquid phase. An. N. Nesmeianov, TSzian Tai-wan [Chiang Tai-wang], E. S. Filatov. Radiokhimiia 5 no. 4 513-516 '63.
Interaction of tritium recoil atoms with halo derivatives of benzene. V. V. Pozdeev, An. N. Nesmeianov, B. G. Dzhantiev. Radiokhimiia 5 no. 3 395-397 '63.
Reactions of tritium recoil atoms in mixtures of cyclopentane with cyclohexane. E. N. Avdonina, An. N. Nesmeianov. Radiokhimiia 5 no. 4 511 '63.

TROCHOTRONS
Decade scaler in a trochotron. L. B. Golovanova, N. M. Khinstikov. Nauch.-tekh. sbor. Gos. izd-va lit. v obl. atom. nauki i tekh. no. 4 109-117 '62

TROITSK—DESCRIPTION
Voronov, P. S. [Socialist Troitsk] Troitsk sotsialisticheskii [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1962. 27 p. (Goroda Cheliabinskoi oblasti) (NIC)

TROITSKII, ALEKSEI ALEKSANDROVICH, 1866-1942
Chess. V. Lublinskii. Kult. i zhizn' 7 no. 2 18 '63.

TROLLEY BUSES
Markovnikov, V. L., and D. I. Perkis. [Textbook for trolley bus drivers] Uchebnoe posobie dlia voditelia trolleibusa. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 247 p.
[Technical handbook on electric city transportation in three volumes] Tekhnicheskii spravochnik po gorodskomu elektrotransportu v trekh tomakh. Redkollegiia V. N. Volochnev, A. N. Trofimov, M. N. Sipoliianskii. Moskva, Izd-vo M-va kommun. khoz. RSFSR.
Vol. 3 [Trolley buses] Trolleibus. Otv. red. A. N. Trofimov. 1963. 722 p.
Rebrov, S. A. [Tr-8 and Tr-9 trolley buses] Trolleibusy Tr-8 i Tr-9. Moskva, Izd-vo MKKh RSFSR, 1963. 139 p.

TROPICAL FRUIT see subdivision under Dnepropetrovsk

TROUT
Feeding rainbow trout with industrial waste. F. M. Sukhoverkhov, V. Kh. Afanas'ev, T. I. Trofimova. Trudy VNIIPRKH 8 190-197 '56.

TRUCIAL OMAN
British protectorates in the Persian Gulf region. IU. IUvsov, O. Gerasimov. Mezhdunar. zhizn' 10 no. 10 111-113 O '63.

TRUCK TRAILERS
Automatic coupler for transportation trucks. A. Shapovalov. Tekh. v sel'khoz. 23 no. 3:51-57 Mr '63.

TRUCK TRAILERS—BRAKES
Results of testing the brake systems in truck trailer trains. V. E. IAsenevich, M. K. Popylov, B. P. Chernykov. Trakht. i sel'khozmash. 33 no. 9 12-14 S '63.

TRUCK TRAILERS—TRANSPORTATION see subdivision under Caucasus, Northern

TRUFFLES see subdivision under Crimean Mountains

TRUPAK, NIKOLAI GRIGOR'EVICH, 1903-
Nikolai Grigor'evich Trupak, on his 60th birthday. Gor. zhur. no. 9 75-76 S '63.

TRUSSES
Method of evaluating the efficiency of new metal materials for trusses for industrial buildings. V. P. Sukhanov, S. A. Timashev. Sbor. trud. NII po stroi. ASIA [Sverd.] no. 8:128-135 '63.
Stresses in a statically undeterminable truss caused by its minimum weight under fixed loads. Report No. 2. K. Kh. Khuberian. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 1:15-22 '63

TRUSSES—ELASTIC PROPERTIES
Problem of determining the deflection of aluminum trusses. V. P. Sukhanov. Sbor. trud. NII po stroi. ASIA [Sverd.] no. 8:115-127 '63.

TRUSTS, INDUSTRIAL see subdivision under Great Britain

TRUTH
Working out of the theory of the explicitness of truth in V. I. Lenin's book "Materialism and empiric criticism." D. A. Korchevoi. Nauch. zap. Zapor. gos. ped. inst. 7 32-46 '59.

TRYPANOSOMA
Blepharoplast cytochemistry in Trypanosoma (Schizotrypanum) cruzi. V. D. Kalinikova, G. I. Roskin. Dokl. AN SSSR 151 no. 6:1437-1440 Ag '63.
Use of hemin and hemoglobin in media for the cultivation of Trypanosoma cruzi. N. N. Sukhareva-Nemakova. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 5:25-34 S-O '63.

TSEBRIKOVO—FARM MECHANIZATION

Accounting in the comprehensive servicing of collective farm machinery. V. F. Obshchii, Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7:13-14 Jl '63.

TSELINNYY KRAY see Virgin Territory

TSELINOGRAD—DISTRIBUTIVE EDUCATION

Excellent study is the goal. K. Vasil'ev, Koop. Kazakh. 6 no. 3 34 Je '63.

TSELINOGRAD—POLITICS AND GOVERNMENT

"Those who seek refuge from a thunderstorm." Sov. deput. trud. no. 9 81 S '63.

TSELINOGRAD PROVINCE—ECONOMIC GEOGRAPHY

Several problems in developing the economy of Tselinograd Province. V. P. Kostylko. Trudy Otd geog. AN Kazakh SSR no. 10:195-199 '63.

TSELINOGRAD PROVINCE—METAL CUTTING TOOLS

We are making subsidiary industries specialized. B. Khokhlin. Nar khoz. Kazakh 21 no. 4 56-58 Ap '63.

TSELINOGRAD PROVINCE—MOTION PICTURES IN AGRICULTURE

Third virgin land. B. Maevskii. Isk. kino 33 no. 8 110-112 '63.

TSIKHISDZIRI—ANTIQUITIES

Khoshtaria, N. V. [TSikhisdziri in the first centuries of the Christian era. TSikhisdziri v pervykh vekakh n. e. Tbilisi, Akad. nauk Gruzinskoi SSR] 1962. 46 p. 15 plates [In Georgian with summary in Russian] (MH)

TSIMLYANSK RESERVOIR—PIKE

Methods for censusing the pike (Esox lucius L.) in Tsimlyansk Reservoir. L. N. Domanevskii. Vop. ikht. 3 no. 3 513-521 '63.

TSIURUPA, ESFIR IAKOVLEVNA

Children and adults in the tales of E. TSiurupa. A. Uspenskaia. Doshk. vosp. 36 no. 8 106-107 Ag '63

TSOVINAR REGION—ANDESITES

Spherical inclusions in andesite-basalts of the Tsovinar region. A. A. Adamian. Zap. Arm. otd. Vses. min. ob-va no. 2:167-171 '63.

TSOVINAR REGION—BASALT

Spherical inclusions in andesite-basalts of the Tsovinar region. A. A. Adamian. Zap. Arm. otd. Vses. min. ob-va no. 2:167-171 '63.

TUAPSE—RAILROADS—EMPLOYEES

Propagandist in a dwelling. N. Sedlukha. Part. zhizn' no. 13:95 Jl '63.

TUBERCULOSIS

(see also subdivision under Crimea)

Aerosol therapy for patients with pulmonary tuberculosis [with summary in English]. N. M. Kulik Vrach delo no. 9:35-40 S '63.

Case of intra-uterine tuberculosis infection V. V. Zakrzhevskii Pediatriia 42 no. 1 86-88 Ja '63

Complication of pneumoperitoneum circumscribed by subdiaphragmatic peritonitis. A. I. Gerasimov, L. I. Gorovenko, P. I. Zhivatovskii. Vrach. delo no. 7:132-133 Jl '63.

Disorders of nitrogen metabolism in children with pulmonary and lymphatic node tuberculosis [with summary in English]. E. F. Shamrai, G. Kh. Dudchik. Vrach. delo no. 9 40-44 S '63.

Late results of thoracoplasty in tuberculous empyema [with summary in English]. N. V. Tatarskii. Vest. khir. 90 no. 3 35-41 Mr '63.

Shebanov, F. V., and A. D. Evdokimova. [Methodological manual in the conduction of practical work on tuberculosis in medical institutes] Metodicheskoe posobie k provedeniiu prakticheskikh zaniatii po tuberkulezu v meditsinskikh institutakh Moskva, Medgiz, 1963. 154 p. (DNLM)

Phase contrast microscopy for tuberculosis diagnosis [with summary in English]. I. K. TSellarius. Veterinariia 39 no. 9:71-74 S '62.

Single-stage bilateral partial resection of the lungs with subsequent thoracoplasty. A. Dzhunusbekov Zdrav. Kazakh. 23 no. 2:38-39 '63.

Successive bilateral partial resection in pulmonary tuberculosis. A. V. Novitskii. Grud. khir. 4 no. 6:77-79 N-D '62.

Use of dry plasma, BK-6, and hydrolysin L-103 in the compound treatment of pulmonary tuberculosis [with summary in English]. I. N. Lopatiuk. Vrach delo no. 7:76-79 Jl '63.

Use of electrical scissors for the opening of tuberculous caverns of the lungs. I. I. Usov. Grud. khir. 4 no. 6: 112-113 N-D '62.

TUBERCULOSIS—PREVENTION see subdivision under Russia, Northern

TUBERCULOSIS—PREVENTIVE INNOCULATION

Effect of revaccination and specific as well as nonspecific sensitization on the course of experimental tuberculosis. G. G. Karapetian Zhur. eksp. i klin. med. 3 no. 2 41-49 '63.

TUBERCULOSIS IN ANIMALS see subdivision under Kazakhstan

TUBES

Vafkin, IA. L., O. A. Pilatskovskii, and IU. I. Vashchenko. [Seamless tubes] Besshovnye truby, spravochnoe rukovodstvo dlia rabochikh. Moskva, Metallurgizdat, 1963. 179 p.

TUDOR, STEPAN, pseud. see Olinyk, Stepan, 1892-1941

TUGBOATS

First in the world paddle-wheel motor tugboat. S. Danilichev. Rech. transp. 22 no. 8 50 Ag '63.

TULAREMIA

Zmeev, G. IA. [Tularemia] Tulliaremiia. Leningrad, Medgiz, 1962. 15 p. (Nauchno-populiarnaia meditsinskaia literatura) (DNLM)

TUMORS

Comparative pathology of tumors in dogs (in Georgian with summary in Russian] V. K. Zhgenti, A. V. Dzhorbenadze. Sbor. trud. Gruz. zootekh.-vet. nauch.-issl. inst. 32:187-207 '61.

Effect of some high-molecular polypeptides on cultures of human tumor cells [with summary in English]. S. M. Navashin, I. P. Fomina. Antibiotiki 7 no. 7 594-597 Jl '62.

Method for cultivating tumor cells in vitro and its use for the primary selection of new antitumor antibiotics [with summary in English]. E. G. Tolopova. Antibiotiki 7 no. 7 598-601 Jl '62.

Some results of anesthesia in oncological surgery M. A. Aliev, G. G. Mitrofanov, A. A. Togaibaev Zdrav. Kazakh. 23 no. 2:15-18 '63.

TUNGSTEN—THERMAL PROPERTIES

Heat conductivity of tungsten in the 1600°-2960°C temperature range. O. A. Kraev, A. A. Stel'makh. Teplofiz. vys. temp. 1 no. 1:8-11 Jl-Ag '63.

TUNGSTEN CHLORIDES

Interaction of tungsten hexa- and pentachloride with sodium and potassium chlorides. I. V. Vasil'kova, N. D. Zaitseva, P. S. Shaplin. Zhur. neorg. khim. 8 no. 10: 2369-2374 O '63.

Synthesis and determination of the heats of formation of $KWCl_6$ and K_2WCl_7. N. D. Zaitseva. Zhur. neorg. khim. 8 no. 10:2365-2368 O '63.

Systems RbCl - WCl_6, RbCl - WCl_5, CsCl - WCl_6, and CsCl - WCl_5. I. V. Vasil'kova, N. D. Zaitseva, V. A. Petrova. Zhur. neorg. khim. 8 no. 10:2360-2371 O '63.

TUNGSTEN-MOLYBDENUM ALLOYS—THERMOELECTRIC PROPERTIES

Thermoelectric characteristics of sintered alloys based on tungsten and molybdenum. N. I Svede-Shvets and others. Sbor. trud. TSNIICHM no. 30:7-16 '63.

TUNGSTEN-RHENIUM ALLOYS—METALLOGRAPHY

X-ray investigation of the system tungsten - rhenium - carbon [with summary in English]. IU. B. Kuz'ma and others. Poroshk. met. 3 no. 4 40-48 Jl-Ag '63.

TUNGUSKA BASIN—PALYNOLOGY

Late Paleozoic vegetation in the northern part of the Tunguska floristic region. A. F. Dibner. Paleot. zhur. no. 3:108-112 '63.

TUNGUSKA VALLEY, PODKAMENNAYA see Podkamennaya Tunguska Valley

TUNNELING see subdivision under Lyubertsy

TUNNELS—DESIGN AND CONSTRUCTION

Designing tunnels for industrial precast concrete enterprises. S. I. Mal'ginov. Sbor. trud. NII po stroi. ASIA [Sverd.] no. 8:29-42 '63.

Russia (1923- U. S. S. R.) Ministerstvo putei soobshchenia. [Production norms for design, planning and surveying work paid according to piece rate wage system] Normy vyrabotki na proektnye i izyskatel'nye raboty, oplachivaemye sdel'no Moskva, Transzheldorizdat.

Pt. 18. [Railroads, bridges, tunnels] Zheleznye dorogi, mosty, tonneli.
Sec. 3. [Tunnels] Tonneli. 1954. 74 p.
Pt. 19. [Automobile roads, city transportation] Avtomobil'nye dorogi, gorodskoi transport. 1954 31 p.

TURBINES

Analysis of the power cycles of large steam and gas systems. M. P. Kaplan Energomashinostroenie 9 no. 9: 18-22 S '63.

Boundary conditions of heat transfer in turbines [with summary in English]. V. M. Kapinos. Inzh.-fiz. zhur. 6 no. 8-28-36 Ag '63.

Concerning A. V. Mazik's paper "Experimental study of the effect of the number of blades of the runner on the efficiency of a centripetal turbine" V. T. Mitrokhin. Teploenergetika 10 no. 9 92-93 S '63.

Energy losses due to leakage in a bandless turbine stage D. I. Morozov Energomashinostroenie 9 no. 9 14-18 S '63.

Improvement in the operation of the drive mechanism and the control valves of VK, VT and VPT turbines. Sh. L. Leizerovich. Energetik 11 no. 8 11 Ag '63.

Zarlankin, A. E., and A. N. Sherstiuk. [Low power Francis-type turbines] Radial'no-osevye turbiny nizkoi moshchnosti Moskva, Mashgiz, 1963. 247 p.

TURBINES—ABSTRACTS

[Turbine manufacture] Ref. zhur.: Turbostr. no. 10 O '63.

TURBOGENERATORS

Heating of a hydrogenerator rotor determined by additional losses. G. N. Ter-Gazarian. Elektrichestvo no. 8 37-42 Ag '63.

Venikov, V. A., and others. [Strong excitation control] Sil'noe regulirovanie vozbuzhdeniia. Moskva, Gosenergoizdat, 1963. 151 p.

TURBOMACHINES

Hydraulic system of control and protection of the OSPT-1150 turbine pump. I. A. Gutkin and others. Energomashinostroenie 9 no. 9 11-14 S '63.

Multipositional switch for studying temperature fields and stresses in the rotary parts of turbomachines. V. M. Gorelkin. Energomashinostroenie 9 no. 9 43-45 S '63.

TURBOMACHINES—FLUID DYNAMICS

Taking out sections in the plane of rotation of rotor blades of axial-flow compressors and turbines. G. A. Kuz'min. Trudy KAI no. 66:43-47 '61.

TURBULENCE

Determination of the coefficient of turbulent exchange in reservoirs and inland bodies of water based on their water and heat balances A. M. Mkhitarian Izv. AN Arm. SSR, Ser. tekh. nauk 16 no. 4 23-31 '63

Mechanism of combustion in a turbulent flow of a heterogeneous mixture. A. V. Talantov. Izv. vys. uchebn. zav. tekh. 6 no. 3 94-99 '63.

Turbulent characteristics of processes in the case of unsteady motion [with summary in English]. A. N. Shabrin. Dop. AN URSR no. 8:1030-1034 '63.

Variability of energy dissipation in a turbulent flow and the spectral distribution of energy. E. A. Novikov. Prikl. mat. i mekh. 27 no. 5, 944-946 S-O '63.

TURGAI GATES—IRON ORES

Youth of an ancient land. G. Maksimov [Un tekh.] no. 8-12-14 Ag '63.

TURICHIN, IL'IA

Read it to your children. V. Razova. Doshk. vosp. 3 no. 8 104-106 Ag '63.

TURKESTAN—ECONOMIC POLICY

The role of trade-union organizations of the Tashkent Railroad in the struggle for the fulfillment of the seven-year plan ahead of schedule. D. Mangel'din Trudy Tashk. politekh. inst. no. 26:113-122 '62

TURKESTAN—RAILROADS—EMPLOYEES

Number and structure of the railroad proletariat in central Turkestan. G. S. Kunavina. Trudy Tashk. politekh. inst. no. 26:79-95 '62.

Participation of the railroad workers in Turkestan in the struggle for the victory of the socialist revolution. I. G. Fedotov. Trudy Tashk. politekh. inst no. 26:97-112 '62.

The socio-economic premises of the victory of the October Revolution in Turkestan. V. A. Suvorov. Trudy Tashk. politekh. inst no. 26:5-78 '62.

TURKESTAN—REVOLUTION, 1917-1921

Participation of the railroad workers in Turkestan in the struggle for the victory of the socialist revolution. I. G. Fedotov. Trudy Tashk. politekh. inst no. 26:97-112 '62.

The socio-economic premises of the victory of the October Revolution in Turkestan. V. A. Suvorov. Trudy Tashk. politekh. inst. no. 26:5-78 '62.

[Struggle for Soviet Turkestan] Za Sovetskii Turkestan Pod red. A. I. Zeveleva. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1963. 599 p.

TURKESTAN—UIGURS—MARRIAGE CUSTOMS AND RITES

Marriage rites among the Uigurs of eastern Turkestan according to the works of Russian scholars of the second half of the 19th century. G. M. Iskhakov. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR 18:89-102 '63.

TURKESTAN DISTRICT—COOPERATIVE SOCIETIES

Abundant in some, while lacking in others. A. Salaev. Koop. Kazakh. 6 no. 3:20-21 Je '63.

TURKEY—COMMERCE—GERMANY

How clearing agreements helped fascist Germany to control the Turkish market. B. Bekiev. Izv. AN Turk. SSR, Ser. obshchestv. nauk no 1:3-15 '63

TURKEY—ECONOMIC CONDITIONS

Instability in Turkey. IU. Plotnikov. Nov. vrem. 21 no. 37:12-14 S '63.

TURKEY—FOREIGN RELATIONS

Gasratian, M. A., and P. P. Moiseev. [Turkey awaits changes] Turtsiia zhdet peremen. Moskva, Izd-vo vostochnoi lit-ry, 1963. 94 p.

TURKEY—HISTORY

'Struggle of the Ukrainian people against the aggression of Turks and Tatars in the second half of the 16th and the first half of the 17th century" by M A Alekberli Reviewed by O M. Apanovich Ukr ist zhur 7 no 4 150-152 Jl-Ag '63

TURKEY—INVESTMENTS, FOREIGN

The "eight" in Turkey. I. Il'in. Az. i Afr. seg. no. 9:58-59 S '63.

TURKEY—KURDS

Social and economic situation of the Turkish Kurds in the second half of the 19th century. Jalile Jalil Ist.-filol. zhur. no. 2:281-284 '63.

TURKEY—PETROLEUM INDUSTRY

The "eight" in Turkey. I. Il'in. Az. i Afr. seg. no. 9:58-59 S '63.

TURKEY—POLITICS AND GOVERNMENT

Consultations. Mezhdunar. zhizn' 10 no. 10:146-148 O '63.

Instability in Turkey. IU. Plotnikov. Nov. vrem. 21 no 37 12-14 S '63.

Gasratian, M. A., and P. P. Moiseev. [Turkey awaits changes] Turtsiia zhdet peremen. Moskva, Izd-vo vostochnoi lit-ry, 1963. 94 p.

TURKEY—POSTAGE STAMPS

A centenary. V. Lobyrev. Az. i Afr. seg. no. 10:64 O '63.

TURKIC LANGUAGES—GRAMMAR, COMPARATIVE

The gerund and its syntactic functions in the Turkic languages of the southwestern group. A. N. Baskakov. Trudy IIAL AN Turk. SSR no. 3:6-24 '59.

TURKIC LANGUAGES—GRAMMAR, COMPARATIVE—SYNTAX

Gadzhieva, N. Z. [Syntax of the complex subordinate sentence in Azerbaijani (from an historical point of view)] Sintaksis slozhnopodchinennogo predlozheniia v azerbaidzhanskom iazyke (v istoricheskom osveshchenii). Moskva, Izd-vo Akad. nauk SSSR, 1963. 216 p.

TURKIC SCULPTURE see Sculpture, Turkic

TURKMEN

New materials on the origin of the Turkmen. S. G. Agadzhanov. Izv. AN Turk. SSR, Ser. obshchestv. nauk no 2 12-26 '63.

TURKMEN LANGUAGE—DICTIONARIES

Great achievement of Turkmen linguists. N. A. Baskakov. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 4: 90-92 '63.

TURKMEN LANGUAGE—TERMS AND PHRASES

Formation of the new sociopolitical terms of the Soviet period by extending the meanings of old Turkmen words. M. S. Khanlanova. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 4:40-52 '63.

TURKMEN LANGUAGE—WORDS

Structural types of onomatopoeic words and their characteristics. M. Khudaikuliev. Trudy IIAL AN Turk. SSR no. 3:43-53 '59.

TURKMENISTAN—ANTIQUITIES

New data on remains of the nomadic population in southern Turkmenistan during the ancient epoch. A. M. Mandel'shtam. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 2:27-33 '63.

TURKMENISTAN—BOTANY—NOMENCLATURE

"Turkmen popular and scientific plant names" by V. V. Nikitin, E. B. Korbabaev. Reviewed by Z. B. Mukhammedova. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 2:95-96 '63.

TURKMENISTAN—BUDGET

Budgetary Committee of the Supreme Soviet of the Turkmen S. S. R. O. Amanov. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 4:74-78 '63.

TURKMENISTAN—COTTON BREEDING

Controlled transformation of heredity in fine-fiber cotton. I. K. Maksimenko. Vest. sel'khoz. nauki 8 no. 3: 126-128 Mr '63.

TURKMENISTAN—DESERT FLORA

Rodin, L. E. [Vegetation of the deserts of Western Turkmenia] Rastitel'nost' pustyn' Zapadnoi Turkmenii. Moskva, Izd-vo Akad nauk SSSR, 1963 309 p.

TURKMENISTAN—ECONOMIC CONDITIONS

In sunny Turkmenistan. Okhr. truda i sots. strakh 6 no. 7:15-16 Jl '63

Akademiia nauk Turkmenskoi SSSR, Ashkhabad. Institut istorii, arkheologii i etnografii. [Some problems in the history of the national economy of Turkmenistan] Nekotoryye voprosy istorii narodnogo khoziaistva Turkmenistana. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 134 p.

TURKMENISTAN—FARM MANAGEMENT

Akademiia nauk Turkmenskoi SSR, Ashkhabad. Institut ekonomiki. [Optimal size of cotton-growing collective farms and sheep-raising state farms and their sections in the Turkmen S. S. R.] Optimal'nye razmery khlopkosetushchikh kolkhozov, ovtsevodcheskikh sovkhozov i ikh podrazdelenii v Turkmenskoi SSR. Ashkhabad, Izdvo Akad nauk Turkmenskoi SSR, 1963 125 p.

TURKMENISTAN—GEOLOGY

Akademiia nauk Turkmenskoi SSR, Ashkhabad. Institut geologii. [Problems of the geology of Turkmenia] Voprosy geologii Turkmenii. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 146 p. illus.

TURKMENISTAN—INDUSTRIAL HYGIENE

In sunny Turkmenistan. Okhr. truda i sots. strakh. 6 no. 7 15-16 Jl '63.

TURKMENISTAN—LEGISLATORS

Members of the Supreme Soviet of the Turkmen S. S R O. Amanov. Izv. AN Turk. SSR, Ser. obshchestv nauk no. 4:16-21 '63.

TURKMENISTAN—NOMADS

New data on remains of the nomadic population in southern Turkmenistan during the ancient epoch. A. M. Mandel'shtam. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 2:27-33 '63.

TURKMENISTAN—NUTRITION

Nutrition as one of the factors of the national welfare. A. S. Remennik. Izv. AN Turk SSR, Ser obshchestv nauk no. 2 34-45 '63.

TURKMENISTAN—REVOLUTION OF 1905

Bolsheviks of Turkmenistan during the Revolution of 1905-1907. A. A. RoslIakov. Trudy IML, Turk fil. no 2:18-39 '56.

Chronicle of political events during the Revolution of 1905 in Turkmenistan. Trudy IML, Turk fil no 2:107-122 '56.

Early phase of the intensification of the revolutionary movement in Turkmenistan, January-May 1905. IU S Kuznetsov. Trudy IML, Turk fil. no. 2:40-50 '56

Establishment of the first soviets in Turkmenistan in 1905-1907. E. G. Kievskikh. Trudy IML, Turk fil no 2: 51-64 '56.

Mass political strikes in Turkmenistan in the autumn of 1905. V. G. Mel'kumov. Trudy IML Turk fil. no 2:65-85 '56.

Underground Social Democratic literature in Turkmenistan in 1905-1907. A. A. RoslIakov. Trudy IML Turk fil. no. 2:85-106 '56.

TURKMENISTAN—REVOLUTION OF 1905—BIBLIOGRAPHY

Bibliography. Trudy IML, Turk fil. no. 2:123-124 '56.

TURKMENISTAN—RUSSIAN SOCIAL DEMOCRATIC PARTY

Bolsheviks of Turkmenistan during the Revolution of 1905-1907. A. A. RoslIakov. Trudy IML, Turk fil. no 2,18-39 '56.

TURKMENISTAN—STATE FARMS

Labor agreements as the principal legal way to satisfy the manpower requirements of cotton-growing state farms. A. Igdyrov. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 4:25-33 '63.

TURKMENISTAN—STOCK AND STOCKBREEDING

How the economic effectiveness of stock farming is influenced by the size of stock-fattening yards. P. M. D'iakova. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 4:34-39 '63.

TURKSIB—INHALATION THERAPY

Treatment of chronic tonsillitis and diseases of the mucous membrane of the nose, the larynx, and the pharynx by means of inhalations in the "Turksib" sanatorium V. S. Moshkevich. Izv. AN Kazakh. SSR, Ser. med. nauk no. 1:53-57 '63.

TURNING

Effective method for machining holes. T. F. Terlikova, V. P. Monchenko. Trakt. i sel'khozmash. 33 no. 4:42-43 Ap '63.

Review of A. S. Azarov's book "Mechanization and automation of machining parts on lathes." G. N. Molchanov. Mekh. i avtom. proizv. 17 no. 8:56-57 Ag '63.

TURPENTINING

Intensification of oleoresin flow in pine tapping with sulfuric acid by the ascending method V F Bedenko. Gidroliz. i lesokhim prom 16 no. 6:10-11 '63.

Tapping with sulfuric acid by the descending method and spreading of the upper edge of the streak G. B Olovenikov. Gidroliz i lesokhim prom 16 no 6 16 '63.

TURPENTINING—TERMINOLOGY

Tapping terminology. A. V. Gordeev, A. N. Toburdanovskii. Gidroliz i lesokhim prom. 16 no. 6 17-18 '63

TURQUOISE see subdivision under Kazreti region

al-TUSI, NASIR AL-DIN, MUHAMMAD IBN MUHAMMAD, 1201-1274

Comments by Nasir al-Din Al-Tusi on Euclid's "Elements" in vol. I - III of "Tahlir Eglidis" [in Azerbaijani with summary in English]. K. M. Mamedov (Khalilami). Trudy Inst. mat. i mekh. AN Azerb. SSR 2:147-158 '63.

TUSSOCK MOTH

Effect of Dasychira albodentata on the multiplication of the tent caterpillar Dendrolimus sibiricus. N. V. Gorshkov. Les. khoz. 16 no. 6 47 Ag '63.

TUVA A. S. S. R. —SEA BUCKTHORN

Sea buckthorn, a pearl of Tuva. V. Pugachev. Les. khoz. 16 no. 7:38 Jl '63.

TUVA A. S. S. R.—VOLCANIC ASH, TUFF, ETC.

Ash tuffs in Middle Devonian sediments in the Tuz-Tag salt mine region (southern Tuva) G. N. Brovkov. Geol. i geofiz. no. 4:128-132 '63.

TUYMAZY REGION—OIL WELLS

First millionaire-oil well in Bashkiria. E. M. Khalilov, R. M. IUsupov. Neftepром. delo no. 6:8-10 '63.

TWAIN, MARK, pseud. see Clemens, Samuel Langhorne, 1835-1910

TWIST DRILLS

Chip-breaking drill. K. M. Stepanov. Stan. i instr. 34 no. 8:38-39 Ag '63.

2, 4-D

Effect of the herbicide 2, 4-D on the differentiation of cambium in the annual shoots of the black locust and the tree of heaven. V. G. Nikolaevskii. Bot. zhur. 48 no. 8:1201-1205 Ag '63.

Using the herbicide 2, 4-D in pastures. S. Z. Aliev, Zhivotnovodstvo 24 no. 5:23-24 My '62.

TYMPANAL ORGAN

Comparative evaluation of some methods of determining the hair function of the ear [with summary in English]. I. A. Golubchik. Zhur. ush., nos. i gorl. bol. 23 no. 4: 55-58 Jl-Ag '63.

TYMPANAL ORGAN—ABNORMITIES AND DEFORMITIES

Two observations of abnormal development of the middle ear. I. I. Zaritskaia. Zhur. ush., nos. i gorl. bol. 23 no. 4:70-73 Jl-Ag '63.

TYMPANAL ORGAN—SURGERY

Case of substituting polyethylene prosthesis for the stapes and the incus. I. I. Vendelovskii. Zhur. ush., nos. i gorl. bol. 23 no. 4:69-70 Jl-Ag '63.

Method of indirect mobilization of the stapes in otosclerosis. A. A. Kantor. Zhur. ush., nos. i gorl. bol. 23 no. 4:86-87 Jl-Ag '63.

Plastic surgery on the stapes in otosclerosis [with summary in English]. I. A. IAshan. Zhur. ush., nos. i gorl. bol. 23 no. 4:14-19 Jl-Ag '63.

Plastic surgery on the tympanal organ. G. A. Smirnov. Med. sestra 22 no. 8:43-49 Ag '63.

TYMPANIC MEMBRANE—SURGERY

Plastic surgery on the tympanic membrane by means of an autofibrin film in ambulant practice. V. IA Gapanovich. Vrach. delo no. 9:156-157 S '63.

TYPESETTING

Il'in, B. M. [Designs for tabular material in the preparation of manuscripts for typesetting] Raschet tablits pri podgotovke rukopisi k naboru; iz opyta raboty. Moskva, Nauchn. tekhn. ob-vo poligrafii i izdatel'stv, 1963. 48 p.

[MICROFILM]

TYPHOID FEVER

Rapid diagnosis of typhoid-paratyphoid diseases. S. P. Ivanova, V. G. Bocharishvili. Zhur. mikrobiol., epid. i immun. 40 no. 1 61-65 '63.

TYPHUS FEVER

(see also subdivision under Krasnoyarsk Territory)

Detection of antibodies to Rickettsia prowazekii by the luminescent-serological method. N. M Balaeva, M. IA. Korn, A. IA. Kul'berg Zhur. mikrobiol., epid. i immun 40 no 1 52-57 '63.

TYROL, AUSTRIA—DESCRIPTION AND TRAVEL

Along the Alpine roads. V. Mezentsov. Znan. -sila 38 no. 3:50-52 Mr '63.

[illegible]

UKRAINE—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

[illegible]

UKRAINE—AGRICULTURAL MACHINERY—TECHNOLOGICAL INNOVATIONS

[illegible]

UKRAINE—AGRICULTURAL MACHINERY INDUSTRY—COSTS

[illegible] agricultural [illegible] no. 5 26-31 [illegible]

UKRAINE—AGRICULTURE

[illegible] efforts of its careful [illegible] no. 214 S '63.

UKRAINE—AGRICULTURE—CONGRESSES

[illegible] A. A. Kasian- [illegible] '63

UKRAINE—AGRICULTURE—LABOR PRODUCTIVITY

[illegible] O. IU. T[illegible], M. P. P[illegible] Mekh. sil'.hosp. 14 no. 4 [illegible]

[illegible] Mekh. sil'.hosp. 14 [illegible]

UKRAINE—AGRICULTURE—STUDY AND TEACHING

[illegible] public-wide congress [illegible] students of the Ukraine [illegible]

Prief [illegible] M. Sitarchuk. Rad. sil. [illegible] no. 3 12-14 [illegible]

[illegible] agricultural workers. L. V. Andru- [illegible] 37-42 My '63.

[illegible] workers in student [illegible] My '63

UKRAINE—AGRICULTURE, COOPERATIVE

[illegible] in Ukrainian agriculture. [illegible] Development of the [illegible] farm system in the Ukr [illegible] P. M. Den[illegible] Ukr. ist. zhur. 7 [illegible] 110-140 Jl-Ag '63.

UKRAINE—ANTIQUITIES

[illegible] M. Haraieva. Znan. [illegible] My '63

UKRAINE—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

Types of apartments to be built in villages of the Ukrainian S. S. R. Z. Moiseenko, IU. Khokhol. Zhil. stroi. no. 6 10-12 '63.

UKRAINE—APPELLATE PROCEDURE

[illegible] strictly observe the procedural rules of taking appeal from judicial decisions and sentences. V. Zelenchuk. Rad. pravo no. 3 65-67 My-Je '63.

UKRAINE—ARBITRATION AND AWARD

[illegible] of arbitration agencies. Rad. pravo no. 3 131-13[illegible] My-Je '63

[illegible] in the work of arbitration agencies. A. Bulas. Rad. pravo no. 3 98-99 My-Je '63.

UKRAINE—ARTISTS—DICTIONARIES

Dictionary and reference book of the artists who worked in the Ukraine in the 11th to the 18th centuries. P. M. Zholto[illegible]. Mat. z etn. ta mystetstvozn. no. 7/8 [illegible] '62

UKRAINE—AUXILIARY POLICE

[illegible] experience of voluntary policemen. V. Ferkin and others. Rad. pravo no. 3 37-41 My-Je '63

UKRAINE—BANKS AND BANKING—ACCOUNTING

[illegible] planning the preparation of branch schedules. T. F. Chuhai[illegible]. Den. i kred. 21 no. 9 70-72 S '63.

UKRAINE—BARLEY

[illegible] results of transforming spring wheat and barley [illegible] S. Hulia[illegible]. Visnyk sil'hosp. nauky 6 no. 9 34-42 S '63

UKRAINE—BEEF CATTLE—FEEDING AND FEEDS

Summer fattening of young cattle on corn silage. I. L. Scher[illegible], V. M. Maksakov, N. I. Mosolov. Zhivotnovodstvo 24 no. 5 29-32 My '62.

UKRAINE—BESSEMER PROCESS

Ways of developing the converter method of steel making. N. Tarasov. Ekon. Rad. Ukr. no. 5 19-21 S-O '63.

UKRAINE—BUILDING MATERIALS INDUSTRY

Developing industry manufacturing structural elements and building materials. I. Semeniuk. Ekon. Rad. Ukr. no. 5 22-27 S-O '63

UKRAINE—CATTLE

Overall mechanization of work on cattle farms. I. P. Zherdov[illegible]. Visnyk sil'hosp. nauky 6 no. 9 119-121 S '63

UKRAINE—CEMENT INDUSTRIES

Clinker fools and scythes. G. Vladimirov. Ogonek 41 no. 40 2 of cover, 4-5 S '63.

UKRAINE—CHILDREN'S LITERATURE

Belles-lettres in educational work with children. T. Zaztanova, N. Krisina. Doshk. vykh. 21 no. 5 15-23 My '63

UKRAINE—CIVIL LAW

Important phase in the development of civil law. K. Zhurska. Rad. pravo no. 3:8-13 My-Je '63

UKRAINE—CLEANING AND DYEING INDUSTRY

Time does not wait. A. Suslov and others. Mest. prom. i khud. promys. 4 no. 4 13 Ap '63.

UKRAINE—CLIMBING PLANTS

Lianas for the steppe zone of the Ukraine. Z. I. Nevesenko. Nauch. zap. Dnepr. un. 78 39-51 '62.

UKRAINE—COAL

Coking coal resources of the Ukrainian S. S. R. B. A. Leites, I. F. Lozanov. Koks i khim. no. 8:3-6 '63.

UKRAINE—COAL MINES AND MINING

Developing communist labor forms in the coal mines of the republic. I. Kryzhko. Ekon. Rad. Ukr. no. 5 84-87 S-O '63.

UKRAINE—COLLECTIVE FARMS

Panchenko, M. P. [Reproduction of the social product on collective farms] Vidtvorennia suspil'noho produktu v kolhospakh. [Kyiv] Vyd-vo Kyivs'koho univ. 1963. 309 p.
(InU)

Scientific conference on the efficient size of collective farms in the Ukrainian S. S. R. O. O. Babii. Visnyk sil'hosp. nauky 6 no. 9 113-116 S '63

UKRAINE—COLLECTIVE FARMS—INTERFARM COOPERATION

Mertezov, T. O. [Development of interfarm production relations in the Ukraine] Rozvytok mizhkolhospnykh vyrobnychykh zv'iazkiv na Ukraini. Kyiv, Derzh. vyd-vo sil's'kohospodar'skoi lit-ry, 1961. 46 p.
(WU)

UKRAINE—COLLECTIVE FARMS—MANAGEMENT

Efficient size of collective farms in the Ukraine. N. Obraztsova. Ekon. Rad. Ukr. no. 5 123-126 S-O '63

UKRAINE—COMEDY FILMS

At any price. V. Sukharevich. Isk. kino 33 no. 8:81-83 '63

UKRAINE—COMMUNIST PARTY OF THE [illegible]

In the avantgarde of [illegible] [illegible]chenko. Rad. [illegible] no. 9:14 [illegible]

Participation of the Ukrainian [illegible] among the members [illegible] Party 1927 [illegible] no. 1 107-110 Jl-Ag '63

Bachyns'kyi, P. P. [Seventh Conference of the Communist Party of the Ukraine] [illegible] ferentsiia KP(b)U. Kyiv, Derzhpolitvydav, [illegible] (Z'izdy i konferentsii Komunistychnoi partii [illegible])

UKRAINE—COMMUNIST PARTY OF THE [illegible]—PARTY WORK

A discussion on the style and method [illegible] I. Rechmedin. Part. zhizn' no. 10 [illegible]

Reva, H. P. [Remove the weeds from our [illegible]] Bur'iany z nashoho polia. Kyiv, Derzh. [illegible] 1963. 28 p. (Moral'nyi kodeks budivnyka [illegible])

UKRAINE—COMMUNIST YOUTH LEAGUE

Il'chenko, IU. N. [A militant helper of the [illegible]] [illegible]vyi pomichnyk partii. Kyiv, Derzh. [illegible] URSR, 1963. 85 p.

UKRAINE—CORN (MAIZE)

Advanced practices. F. D. Popovych, [illegible] Nauk. pratsi Ukr. nauk-dosl. inst. zem. [illegible]

Carry out the intertillage of corn on time. IU. M. Polovyi. Mekh. sil'. hosp. 14 [illegible]

Corn as preceding crop to winter [illegible] Nauk. pratsi Ukr. nauk-dosl. inst. zem. [illegible]

Corn as a preceding crop to winter [illegible] steppe of the Ukraine. V. A. [illegible] Ukr. nauk-dosl. inst. zem. [illegible]

Effect of liming on the yield of corn [illegible] Minevych. Nauk. pratsi Ukr. [illegible] 111-120 '62

Effectiveness of various [illegible] 2,4-D and 2M-4[illegible] in weed control in corn fields. [illegible] O. S. Mel'nychuk. Nauk. pratsi [illegible] inst. zem. 12 153-156 '62

Growing corn in soil conserving crop [illegible] Danube valley. Nauk. pratsi Ukr. [illegible] 12 128-130 '62

Most important results of the study on [illegible] ces for corn in the Ukrainian forest-steppe. M. M. Bulhakova. Nauk. pratsi Ukr. [illegible] 12 5-10 '62

Practices in growing large corn crops [illegible] of the Ukraine. V. M. Bratchyk, V. I. [illegible] pratsi Ukr. nauk-dosl. inst. zem. [illegible]

UKRAINE—CORN (MAIZE)—ANALYSIS AND [illegible]

Composition and nutritive value of corn [illegible] steppe of the Ukraine. A. O. Sviatchuk, [illegible] strova, N. O. Vovk. Visnyk sil'hosp. nauky [illegible] 61 S '63

UKRAINE—CORN (MAIZE)—DISEASES AND [illegible]

Chemical control of common corn smut. N. I. [illegible] and others. Zashch. rast. ot vred. i bol. [illegible] Ap '63.

UKRAINE—CORN (MAIZE)—ECONOMIC ASPECTS

Analyzing the causes of various corn costs. P. P. Asmolov. Visnyk sil'hosp. nauky [illegible] S '63.

UKRAINE—CORN (MAIZE)—FERTILIZERS AND [illegible]

Effect of fertilizers on the yield of corn [illegible] and climatic conditions. O. P. Dobychenko. [illegible] Ukr. nauk-dosl. inst. zem. 12 31-50 '62

UKRAINE—CORN (MAIZE)—HARVESTING

Harvesting time for corn preceding winter [illegible] Pogorelov. Zemledelie 25 no. 8 73-74 [illegible]

UKRAINE—CRIMINAL INVESTIGATION

Cooperation between investigators and p[illegible] pretrial examination of criminal offen[illegible] Rad. pravo no. 3:47-51 My-Je '63.

How to induce the public to participate in the [illegible] against the violation of Soviet laws. P. [illegible] pravo no. 3:46-47 My-Je '63.

UKRAINE—CRUSHED STONE INDUSTRY

Efficient distribution of the production of [illegible] to be used in construction in the Ukraine [illegible] O. Davydenko, IU. Pysarev, Ekon. Rad. Ukr. [illegible] 71 S-O '63.

UKRAINE—DAIRYING—EQUIPMENT AND SUPPLIES

Comparative effectiveness of milking parlors. [illegible] Sushko. Mekh. sil'. hosp. 14 no. 8:26-[illegible] Ag [illegible]

Repairing milking pails. P. H. Hilyk. Mekh. sil'. [illegible] 14 no. 5:16 My '63.

UKRAINE—DESCRIPTION

Sylin, B. I. [Hello, Ukraine!] Zdrastui, Ukraino! [illegible] Derzh. vyd-vo obrazotvorchoho mystetstva i [illegible] lit-ry URSR, 1963. 1 v. (chiefly illus.)

UKRAINE—ECONOMIC CONDITIONS

The cause of the Great October Revolution is alive and victorious. Ukon. Rad. Ukr. no. 5 9-12 S-O '63.

"Struggle of the Communist Party of the Ukraine for the reconstruction of the Ukrainian national economy, 1921-1925" by V. Samotilov. Reviewed by M. A. Rubach, P. K. Stolan. Ukr. ist. zhur. 7 no. 1 140-142 Ja-Ag '63.

UKRAINE—ECONOMIC RESEARCH—CONGRESSES

Republic conference of research workers. Ekon. stroi. no. 9 55-57 S '63.

UKRAINE—EDUCATION

Educational life of the republic. I. I. Sobolev and others. Rad. shk. 42 no. 5 107-110 My '63.

Main task of schools is the training of new men. Rad. shk. 42 no. 9 3-9 S '63.

UKRAINE—EDUCATION, HIGHER

One hundred and fourty thousand best applicants. L. S. Cherednychenko. Ukraina no. 21 5 S '63.

UKRAINE—EDUCATION, PRESCHOOL

Every collective and state farm should have preschool institutions. A. H. Bondar. Doshk. vykh. 24 no. 5, 1-5 My '63.

In the Ministry of Education of the U. S. S. R. Doshk. vykh. 24 no. 8, 16-17 Ag '63.

UKRAINE—FARM MECHANIZATION

Increase the productivity of field work. O. F. Kalinov. Mekh. sil'. hosp. 14 no. 3:16-17 Ap '63.

On the busy spring days. Mekh. sil'. hosp. 14 no. 5:1-2 My '63.

Over-all mechanization of work on cattle farms. I. P. Zhernovoi. Visnyk sil'hosp. nauky 6 no. 9 119-121 S '63.

UKRAINE—FEEDING—EQUIPMENT AND SUPPLIES

Automatic control of feed distribution. V. M. Syniavs'kyi. Mekh. sil'. hosp. 14 no. 5:23-24 My '63.

UKRAINE—FEEDS

Put the planning of feed supply on a scientific basis. G. A. Bondarenko, A. N. Pilipenko. Zhivotnovodstvo 24 no. 5:79-81 My '62.

UKRAINE—FERMENTATION—EQUIPMENT AND SUPPLIES

Steam, air and water consumption in the Plakhtyanka and Nemeshaev plants of antibiotic feeds. V. V. Zvorykin. Spirt. prom. 28 no. 6:25-29 '62.

UKRAINE—FIELD CROPS

[Let the beautiful winter grain ear up in our fields; letters of scientific workers and specialists in agriculture] Khai kolosiat'sia polia chudesnoiu ozynynoiu, lyst naukovykh pratsivnykiv i spetsialistiv sil's'koho hospodarstva. Kyiv, T-vo "Znannia" Ukrains'koi RSR, 1963. 31 p. (DNAL)

Toward new labor achievements! Mekh. sil'. hosp. 14 no. 3:1-2 Ap '63.

UKRAINE—FOOD INDUSTRY—PERIODICALS

Periodical "kharchova promyslovist" ("Pishchevaia promyshlennost'"). G. I. Fertman, M. I. Shoikhet. Spirt. prom. 29 no. 5 11-13 '63.

UKRAINE—FOREIGN RELATIONS

"With the banner of peace through the flames of war, diplomatic activity of the Ukrainian S. S. R., 1917-1920" by I. S. Khmil'. Reviewed by D. M. Stasheva'kyi. Ukr. ist. zhur. 7 no. 4 119-115 Jl-Ag '63.

UKRAINE—FOREST INSECTS—EXTERMINATION

Chlorophos as a highly efficient preparation for controlling pests feeding on leaves. B. A. Areshnikov and others. Les. khoz. 16 no. 3:35-37 Mr '63.

UKRAINE—FORESTRY LAW AND LEGISLATION

We should ensure a strict observance of the laws on the conservation of soils and forests. V. Muntian. Rad. pravo no. 3 19-25 My-Je '63.

UKRAINE—GASTROENTERITIS

Studying the etiology and methods for the diagnosis of infectious gastroenteritis in swine. M. M. Soboliev. Visnyk sil'hosp. nauky 6 no. 9 108-111 S '63.

UKRAINE—GEOLOGY

[Study of the geology of the U. S. S. R.] Geologicheskaia izuchennost' SSSR. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR.

Vol. 31. [Ukrainian S. S. R. (western provinces); period 1951-1955] Ukrainskaia SSR (zapadnye oblasti); period 1951-1955.

No. 1. [Published studies and reviews] Opublikovannye raboty i obzornye glavy. 1963. 178 p.

Vol. 32. [Central and eastern provinces of the Ukrainian S. S. R.; period 1951-1955] Ukrainskaia SSR (tsentral'nye i vostochnye oblasti) period 1951-1955.

No. 1. [Published studies] Opublikovannye raboty. 1963. 326 p.

UKRAINE—GEOMORPHOLOGY

TSys', P. M. [Geomorphology of the Ukraine] Geomorfologiia URSR. [L'viv] Vyd-vo L'vivs'koho univ. 1962. 223 p. illus. maps. (NN)

UKRAINE—GERMAN OCCUPATION, 1941-1944

Kiev. Instytut istorii partii. [German Fascist occupation forces in the Ukraine] Nimets'ko-fashists'kyi okupatsiinyi rezhym na Ukraini, zbirnyk dokumentiv i materialiv. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1963. 486 p.

UKRAINE—GRAPES—VARIETIES

Effectiveness of applying controlled methods of developing new grape varieties in the southern Ukraine. E. N. Dokuchaeva. Vest. sel'khoz. nauki 8 no. 3. 60-61 Mr '63.

Dashkevich, A. V. [Guide to grape varieties] Opredelitel' sortov vinograda. Kiev, Gos. izd-vo sel'khoz. lit-ry Ukrainskoi SSR, 1963. 92 p. (DNAL)

UKRAINE—HAND WEAVING

Ornamental composition of Ukrainian folk weaving in the 19th and early 20th century. S. I. Sidorovych. Mat. i etn. ta mystetstvoznav. no. 7/8 39-71 '62.

UKRAINE—HANDICAPPED

Measures for the prevention of invalidism. A. P. Kotov. Vrach. delo no. 9 127-129 S '63.

UKRAINE—HISTORICAL RESEARCH

Defense of doctoral dissertations. S. O. Markhev. Ukr. ist. zhur. 7 no. 1 158-159 Jl-Ag '63.

UKRAINE—HISTORY

Knysh, Zynoviy. [Dissension; reminiscences and materials concerning the split in the Organization of Ukrainian Nationalists in 1940-1941] Rozbrat, spohady i materialy do rozkolu OUN u 1940-1941 rokakh. Toronto, Sribna Surma, [, 960] 431 p. (InU)

Serhiienko, H. IA. [The liberation movement in the Dnieper right-bank Ukraine in the late 17th and the early 18th century] Vyzvol'nyi rukh na Pravoberezhnii Ukraini v kintsi XVII i na pochatku XVIII st. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 210 p.

Myshko, D. I. [Socioeconomic conditions of the formation of the Ukrainian nation, the situation of the peasants and antifeudal movements in the Ukraine in the 15th and the first half of the 16th century] Sotsial'no-ekonomichni umovy formuvannia ukrains'koi narodnosti, stanovyshche selian i antyfeodal'ni rukhy na Ukraini v XV-pershii polovyni XVI st. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 291 p.

"Struggle of the Ukrainian people against the aggression of Turks and Tatars in the second half of the 16th and the first half of the 17th century" by M. A. Alekberli. Reviewed by O. M. Apanovich. Ukr. ist. zhur. 7 no. 4 150-152 Jl-Ag '63.

Fedenko, Panas. [The Ukrainian movement in the 20th century] Ukrains'kyi rukh 20 stolitti. London, Vyd-vo "Nashe slovo," 1959. 267 p. (NN) (WaU)

UKRAINE—HOP BREEDING

Economic, physiological, and biochemical characteristics of promising hop hybrids. L. P. Zhydko, V. M. Bondarenko. Nauk. pratsi Ukr. dosl. sta. khmel. no. 5 28-29 '61.

UKRAINE—HOUSING, COOPERATIVE

Development of cooperative housing construction in the Ukraine. P. Rudym. Ekon. Rad. Ukr. no. 5 121-123 S-O '63.

UKRAINE—INLAND WATER TRANSPORTATION

On small rivers of the Ukraine. I. Kotik. Rech. transp. 22 no. 9:14-15 S '63.

UKRAINE—INVESTMENTS, GERMAN

Kulinych, I. M. [The Ukraine in the predatory plans of German imperialism, 1900-1914] Ukraina v zahrabnytskykh planakh nimets'koho imperializmu (1900-1914 pp.). Kyiv, Vydavnytstvo AN URSR, [n. d.] 214 p.

UKRAINE—IRON INDUSTRY

Specialization and cooperation in the ferrous metallurgy of the Ukrainian S. S. R. M. Tereshchenko. Ekon. Rad. Ukr. no. 5 13-18 S-O '63.

UKRAINE—LABOR AND LABORING CLASSES

"Ukrainian workers and their revolutionary struggle in 1914-1917" by I. T. Shcherbyna. Reviewed by IU. I. Kirianov. Ukr. ist. zhur. 7 no. 4 147-149 Jl-Ag '63.

UKRAINE—LABOR PRODUCTIVITY

Labor productivity and potentials for increasing it in the industry of the Ukraine. IE. Liberman, V. Klochko. Ekon. Rad. Ukr. no. 5:119-120 S-O '63.

New books. Sots. trud 8 no. 9:168-169 S '63.

Scale of labor productivity. Ekon. Rad. Ukr. no. 5:127-128 S-O '63.

UKRAINE—LAW

Recent legislative enactments. Rad. pravo no. 3 136-137 My-Je '63.

UKRAINE—LAW—CASES

Decisions of the Supreme Court of the Ukrainian S. S. R. Rad. pravo no. 3 127-133 My-Je '63.

UKRAINE—LIMING OF SOILS

Effect of liming on the yield of corn in acid soils. S. M. Mineyev. Nauk. pratsi Ukr. nauk-dosl. inst. zem. 12 114-120 '62.

UKRAINE—LITERARY RESEARCH

Work of the I. H. Shevchenko Institute of Literature of the Academy of Sciences of the Ukrainian S. S. R. Rad. lit. 7 no. 3 151-156 My-Je '63.

UKRAINE—LUMBER—DRYING

Intensifying the drying of timber at the enterprises of the Ukraine. A. P. Dashkovskii. Der. prom. 12 no. 9 1-3 S '63.

UKRAINE—LUPINE

Biological nitrogen in agriculture. T. P. IUkhymchuk. Visnyk sil'hosp. nauky 6 no. 9 3-6 S '63.

UKRAINE—MACHINERY INDUSTRY—INDUSTRIAL CAPACITY

How to calculate the productive capacity of a machinery manufacturing enterprise. M. Prokopenko. Ekon. Rad. Ukr. no. 5 93-100 S-O '63.

UKRAINE—MANGANESE MINES AND MINING

New technological layouts for using the open-pit method to work Ukrainian manganese ore deposits. M. G. Novo. hilov and others. Gor. zhur. no. 9 12-16 S '63.

UKRAINE—MATHEMATICS

Study on the knowledge of mathematics among the population of Russia and the Ukraine. I. M. Gratsianos'ka. Ist.-mat. zbir. 3 28-36 '62.

UKRAINE—MEDICINE—STUDY AND TEACHING

Present status and means of improving the training of subprofessional medical personnel in the Ukrainian SSR. I. V. Shumada. Vrach. delo no. 9:3-8 S '63.

UKRAINE—MICA

Micas from some rocks of the Ukraine [with summary in English]. IU. Ir. Polovinkina, E. P. Sokolova. Min. sbor. no. 16:240-252 '62.

UKRAINE—MILK—COMPOSITION

Seminar on the increase of the butterfat content of cow milk. V. T. Leshchenko. Visnyk sil'hosp. nauky 6 no. 9 116-119 S '63.

UKRAINE—MINE HOISTING—EQUIPMENT AND SUPPLIES

Practice of constructing tower headframes with multirope hoists in the Ukrainian S. S. R. IU. T. Vodotyka. Shakht. stroi. 7 no. 10, 25-26 O '63.

UKRAINE—MINERALOGY

Determination of temperatures of mineral formation in the Nikitovka mercury deposit based on the inclusions in minerals [with summary in English]. L. I. Koltun, N. G. Golovchenko. Min. sbor. no. 16:407-410 '62.

UKRAINE—MOLE CRICKETS—EXTERMINATION

Mole cricket. A. A. Meikulov, G. IA. Ronginskaia. Zashch. rast. ot vred. i bol. 8 no. 8:42 Ag '63.

UKRAINE—MOTION PICTURES

Mr. Berest, you are lying! Nonna Kapel'gorodskaia, Nikolai Tritinichenko. Isk. kino 33 no. 8 96-100 '63.

UKRAINE—MUSHROOMS

Zerova, M. IA. [Edible and poisonous mushrooms of the Ukraine] Istivni ta otrutni hryby Ukrainy. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 200 p. (Akademiia nauk Ukrains'koi RSR. Seriia naukovo-populiarnoi literatury)

UKRAINE—MUSIC HALLS (VARIETY THEATERS, CABARETS, ETC.)

A variety show of young actors and circus performers. Kost' Volyns'kyi. Ukraina no. 22:6 S '63.

UKRAINE—OCEANOGRAPHIC RESEARCH STATIONS

Captains stationed in Blakitnaya Bukhta. T. Volyns'kyi. Znan. ta pratsia no. 3:6-7 Mr '63.

UKRAINE—ORE DRESSING

Mineral dressing in the Ukrainian S. S. R. I. N. Plaksin. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 4:15-21 Jl-Ag '63.

UKRAINE—PEASANTRY

Myshko, D. I. [Socioeconomic conditions of the formation of the Ukrainian nation, the situation of the peasants and antifeudal movements in the Ukraine in the 15th and the first half of the 16th century] Sotsial'no-ekonomichni umovy formuvannia ukrains'koi narodnosti; stanovyshche selian i antyfeodal'ni rukhy na Ukraini v XV-pershii polovyni XVI st. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 291 p.

UKRAINE—PRODUCTION

[illegible] [Technical progress in Ukrainian industry] [illegible] Ukrainy [illegible] Ukrains'kykh robitnykiv [illegible] Ukrainy, Kyiv, Vyd-vo Ukrains'kykh robitnykiv, 1963. 51 p.

UKRAINE—PINE—INSECT AND PESTS

[illegible] [illegible] Ukr. [illegible] 43-44 My-Je '63.

UKRAINE—POLICE

[illegible] [illegible] Rad. pravo no. 3:49-25 My-Je '63.

UKRAINE—POPLAR

[illegible] Lesn. khoz. 16 [illegible] Jl '63.

UKRAINE—POSTAGE STAMPS

[illegible] Catalog of foreign private stamp [illegible] countries, correspondence, revenue stamps, [illegible] relating to Ukraine, 1962. [Chicago] Ukrains'ka vil'na biblioteka, 49 p. illus. [Foreword by Iulian Maksymovych]

UKRAINE—POTATO BEETLE—BIOLOGICAL CONTROL

[illegible] for controlling the Colorado beetle. V. V. Telenga and others. Zashch. rast. ot vred. i bol. 8 no. 4:43-49 Ap '63.

UKRAINE—POULTRY

[illegible] system of keeping hens. F. O. Stolyarov, [illegible] Vinnyk sil'hosp. nauky 6 no. 9:103 S '63.

UKRAINE—RELATIONS (GENERAL) WITH CZECHOSLOVAKIA

Hnatiuk, M. M. [Czechoslovak-Ukrainian ties in contemporary folklore studies, 1918-1960] Chekhoslovats'ko-ukrains'ki vzaiemyny v suchasnii fol'klorystytsi (1918-1960). Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 86 p.

UKRAINE—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

Some problems concerning the cultural contacts of southern Slavs with the Ukraine in the 1870's. Kh. Khristov. Ukr. ist. zhur. 7 no. 4:73-75 Jl-Ag '63.

UKRAINE—RESEARCH, INDUSTRIAL

Ukraine. Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. [Technical progress and the institutions of higher learning] Tekhnicheskii progress i vuzy; sbornik statei. Khar'kov, Izd-vo Khar'kovskogo gos. univ. im. A. M. Gor'kogo, 1962. 128 p.

UKRAINE—RESTAURANTS, LUNCHROOMS, ETC.

Broad prospects. V. Liashko. Obshchestv. pit. no. 8:6 Ag '62.

UKRAINE—REVOLUTION, 1917-1921

"Development of the Soviet Ukrainian state during the civil war. November 1918-August 1919." Reviewed by D. S. Bel'dar, I. O. Hrek, R. D. Chaichuk. Ukr. ist. zhur. 7 no. 4:146-147 Jl-Ag '63.

UKRAINE—RYE—VARIETIES

Developing a double-harvest rye variety. M. A. Zelenskii. Vest. sel'khoz. nauki 8 no. 3:64-65 Mr '63.

UKRAINE—SAND AND GRAVEL INDUSTRY

Efficient distribution of the production of rock products to be used in construction in the Ukrainian S. S. R. O. Davydenko, IE. Pysarlev. Ekon. Rad. Ukr. no. 5:68-71 S-O '63.

UKRAINE—SCHOOL EXCURSIONS

Preparation for and conduct of excursions. M. F. Blashnin. Rad. shk. 42 no. 5:87-89 My '63.

Republic-wide conference of young tourists and local historians. [illegible] Rad. shk. 42 no. 9:112 S '63.

UKRAINE—SCHOOL SUPERVISION

In the avant-garde of pedagogical collectives. V. O. Bon[illegible] Rad. shk. 42 no. 5:103-108 My '63.

UKRAINE—SOCIAL LIFE AND CUSTOMS

Kravets', O. M. [M. M. Kotsiubyns'kyi on national customs] Kotsiubyns'kyi pro narodnyi pobyt. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 65 p.

UKRAINE—SOCIALIST COMPETITION

Success of the communist labor movement in the republic. A. Korostash. Ekon. Rad. Ukr. no. 5:79-83 S-O '63.

UKRAINE—SOIL CONSERVATION

Growing corn in soil conserving crop rotations. V. N. Dunaic'skyi. Nauk. pratsi Ukr. nauk-dosl. inst. zem. 12:128-130 '62.

UKRAINE—SOIL CONSERVATION—LAWS AND LEGISLATION

We should ensure a strict observance of the laws on the conservation of soils and forests. V. Muntian. Rad. pravo no. 3:19-25 My-Je '63.

UKRAINE—STEEL INDUSTRY

Specialization and cooperation in the ferrous metallurgy of the Ukrainian S. S. R. M. Tereshchenko. Ekon. Rad. Ukr. no. 5:13-18 S-O '63.

UKRAINE—STOCK AND STOCKBREEDING—PRICES

Prices for livestock products. I. Lukinov. Ekon. Rad. Ukr. no. 5:34-40 S-O '63.

UKRAINE—STUDENT ACTIVITIES

How to organize an evening dedicated to Shevchenko in a school. M. I. Dubyna. Rad. shk. 42 no. 9:79-85 S '63.

UKRAINE—SUGAR BEETS

Advanced technology for sugar beet growing. O. IU. Tkachenko, M. P. Petrenko. Mekh. sil'hosp. 14 no. 4:9-11 Ap '63.

UKRAINE—SUGAR INDUSTRY—TECHNOLOGICAL INNOVATIONS

Several problems of determining the efficiency of new machinery in industry. N. Pozhyvilova. Ekon. Rad. Ukr. no. 5:72-75 S-O '63.

UKRAINE—SURGEONS

On behalf of those who were restored to health. N. Momotenko. Ukraina no. 22:5 S '63.

UKRAINE—SWINE—DISEASES AND PESTS

Studying the etiology and methods for the diagnosis of infectious gastroenteritis in swine. M. M. Soboliev. Visnyk sil'hosp. nauky 6 no. 9:108-111 S '63.

UKRAINE—SWINE—FEEDING AND FEEDS

Efficient use of sugar beets in feeding swine. M. M. Karpus'. Visnyk sil'hosp. nauky 6 no. 9:90-92 S '63.

UKRAINE—SWINE HOUSES AND EQUIPMENT

A feed kitchen for each swine farm. O. S. Bolko. Mekh. sil' hosp. 14 no. 5:22-23 My '63.

UKRAINE—TEACHING

Practice of "beacon lights" should be disseminated among all schools. D. Morhun. Rad. shk. 42 no. 9:102-104 S '63.

Teachers of the Ukraine activate the educational process. G. P. Zakharevich. Sred. spets. obr. 10 no. 9:8-11 S '63.

UKRAINE—TECHNICAL EDUCATION

Ukraine. Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. [Technical progress and the institutions of higher learning] Tekhnicheskii progress i vuzy; sbornik statei. Khar'kov, Izd-vo Khar'kovskogo gos. univ. im. A. M. Gor'kogo, 1962. 128 p.

UKRAINE—TECHNICAL SOCIETIES

On the road of research and achievements. NTO 5 no. 8:28-30 Ag '63.

UKRAINE—THEATER

Places which Ukrainian theaters visited in the summertime. Ivan Kunytsia. Ukrainia no. 21:10 S '63.

UKRAINE—TILLAGE

Carry out the intertillage of corn on time and efficiently. IU. M. Pol'ovyi. Mekh. sil'. hosp. 14 no. 5:4-5 My '63.

UKRAINE—TILLAGE—LABOR PRODUCTIVITY

Establishing norms for plowing and intertillage. I. N. Zal'tsman. Mekh. sil'. hosp. 14 no. 5:20-21 My '63.

UKRAINE—TRACTORS—MAINTENANCE AND REPAIR

For perfect technology in the maintenance and care of agricultural machinery. F. P. Polupanov. Mekh. sil'. [illegible] no. 5:8-10 My '63.

[illegible]/EED CONTROL

[illegible]s of various 2, 4-D and 2M-4Kh salts and [illegible]eed control in corn fields. IU. H. Merezhyn-[illegible]. Mel'nychuk. Nauk. pratsi Ukr. nauk-dosl. inst. zem. 12:153-158 '62.

UKRAINE—WEED CONTROL—EQUIPMENT AND SUPPLIES

A new method for the placement of herbicides. P. T. Babiu, P. V. Savich. Mekh. sil'. hosp. 14 no. 4:15-16 Ap '63.

UKRAINE—WHEAT

Corn as preceding crop to winter wheat. [illegible] Nauk. pratsi Ukr. nauk-dosl. inst. zem. [illegible]

Corn as a preceding crop to winter wheat in the steppe of the Ukraine. V. A. Il'chenko. Ukr. nauk-dosl. inst. zem. [illegible]

Work results of transforming spring [illegible] winter crops. V. S. Huberman. Vir. [illegible] 6 no. 6:31-42 Je '63.

UKRAINE—WOMEN

[Women of Kiev] Kyianky. [Kyiv] Kyivs'ke [illegible] kovo-gazetne vyd-vo, 1963. 132 p.

UKRAINE—WOMEN AS TRACTOR OPERATORS

Twenty years on a tractor. H. A. Chir[illegible] sil'. hosp. 14 no. 4:3 Ap '63.

UKRAINE—WOMEN IN PUBLIC LIFE

Efforts of Ukrainian party organizations [illegible] role of women workers in public and [illegible] 1925. O. F. Bilinska. Ukr. ist. [illegible] Jl-Ag '63.

UKRAINE—WOOD-DECAYING FUNGI

The root fungus and measures for [illegible] Alekseev, M. R. Spokter, I. S. Dmuzdich [illegible] 16 no. 8:42-46 Ag '63.

UKRAINE—WORK CLOTHES

Let's put the work clothes industry [illegible] E. Efimenko. Okhr. truda i sotsstrakh. [illegible] 24 no. 31 '63.

UKRAINE—WORLD WAR, 1939-1945

Gryiev, A. N. [Beyond the Dnieper: liberation of right-bank Ukraine in January-April 1944] [illegible] osvobozhdenie Pravoberezhnoi Ukrainy v ianvare-aprele 1944 g. Moskva, Voenizdat, 1963. [illegible]

UKRAINE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Secretary of an underground regional committee. Z. Politov. Mol. kommunist no. 6:70-74 Je '63.

UKRAINE, WESTERN—ARMENIANS

"Fraternities of the brave" in the Armenian [illegible] of the Western Ukraine [in Armenian with [illegible] Russian]. V. R. Grigorian. Int. -bibl. chron. [illegible] 126 '63.

UKRAINE, WESTERN—PERIODICALS

Soviet literary works reprinted by West Ukrainian [illegible] papers and periodicals, 1921-1939. [illegible] Rit. 7 no. 5:132-139 S-O '63.

UKRAINIAN ACTRESSES see Actresses, Ukrainian

UKRAINIAN EMBROIDERY see Embroidery, Ukrainian

UKRAINIAN LANGUAGE—CHRESTOMATHIES AND READERS

[Ukrainian literature; a chrestomathy for [illegible] in secondary schools] Ukrains'ka literatura [illegible] matiia dlia X klasu serednoi shkoly. Vyd. 6. [illegible] Radians'ka shkola, 1962. 600 p.
(CaOTU)

What we expect from competitive readers. [illegible] nov. Rad. shk. 42 no. 5:50-60 My '63.

UKRAINIAN LANGUAGE—CONJUNCTIONS

Medvedev, F. P. [System of conjunctions in the Ukrainian language] Sistema spoluchnykiv v [illegible] s'kii movi; korotkyi narys. Kharkiv, Vyd-vo Khar[illegible] kivs'koho ordena Trudovoho Chervonoho Prapora derzh. univ. im. A. M. Gor'kogo, 1962. 87 p.
(CaOTU)

UKRAINIAN LANGUAGE—DICTIONARIES—FRENCH

[Ukrainian-French dictionary. About 50,000 [illegible] Ukrains'ko-frantsuz'kyi slovnyk. Uklaly O. [illegible] s'ka i L. A. Ivorova's'ka. Biyz'ko 50 000 slov. [illegible] "Radians'ka shkola," 1963. 630 p.
[MICROFILM]

UKRAINIAN LANGUAGE—DICTIONARIES—RUSSIAN

Akademiia nauk URSR, Kiev. Instytut movoznavstva. [Ukrainian-Russian dictionary] Ukrains'ko-rosiis'kyi slovar'. Glav. red. I. K. Kirichenko. Chleny red. kolehii: S. I. Golovashchuk i dr. Kiev, Izd-vo Akad. nauk URSR.
Vol. 6. T — IA. Red. toma: T. V. Zaitseva, [illegible] Levchenko. 1963. 618 p.

UKRAINIAN LANGUAGE—GRAMMAR

Vashchenko, V. S. [Ukrainian language] Ukrains'ka mova. 2., vypr. vyd. Kharkiv, Vyd-vo Kharkivs'koho derzh. univ. im. O. M. Gor'kogo, 1961. 340 p.
(NN)

UKRAINIAN LANGUAGE—PHONOLOGY

Zhylko, F. T. [Phonologic characteristics of Ukrainian as compared with other Slavic languages] Fonolohichni osoblyvosti Ukrains'koi movy v porivnianni z inshymy slov'ians'kymy. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 35 p. (V Mizhnarodnyi z'izd slavistiv. dopovidi Radians'koi delehatsii). [With summary in English]

UKRAINIAN LANGUAGE—PRIMERS see Primers, Ukrainian

UKRAINIAN LITERATURE

A textbook should have good form and substance. M. I. Mel'nyk. Rad. shk. 12 no. 6:88-90 S '63.

UKRAINIAN LITERATURE—BIBLIOGRAPHY see Bibliography—Ukrainian literature

UKRAINIAN LITERATURE—HISTORY AND CRITICISM

Doroshenko, V. V. [Manifesto of the "Russian Trio"; thoughts and slogans of "Rusalka Dnistrovala"] Manifest "Rus'koi Trittsi", dumky i klychi "Rusalky Dnistrovoi." Philadelphia, "Amerika," 1950. 20 p. (InU)

[Materials for studying the history of Ukrainian literature in five volumes] Materialy do vyvchennia istorii Ukrains'koi literatury v p'iati tomakh, posibnykh dlia filologichnykh fakul'tetiv universitetiv i pedagogichnykh institutiv. Kyiv, Derzh. uchbovo-pedagog. vyd-vo "Radians'ka shkola."

Vol 5 [Soviet literature] Radians'ka literatura. Book 1. Uporiadkuvaly A. O. Ishchuk, P. M. Sirenko, P. P. Kononenko. 1963. 591 p.

National and international features of Soviet literature. N. IF. Krutikova. Rad. lit. 7 no. 5:30-47 S-O '63.

A new approach to the history of Ukrainian literature. M. D. Rodko. Rad. lit. 7 no. 4:145-147 Jl-Ag '63.

New phase in the study of prerevolutionary Ukrainian literature. O. IE. Zasenko. Rad. lit. 7 no. 4:30-42 Jl-Ag '63.

Notes on the Ukrainian prose of 1962. K. P. Volyns'kyi. Rad. lit. 7 no. 3:9-29 My-Je '63.

O. I. Bilets'kyi's unknown study on successive periods in the history of Ukrainian literature. Submitted by M. D. Bernshtein. Rad. lit. 7 no. 3:111-134 My-Je '63.

Paths of the Ukrainian novel. M. O. Levchenko. Rad. lit. 7 no. 3:30-51 My-Je '63.

Problems of Ukrainian literature discussed in the Polish periodicals and newspapers of the first half of the 19th century. R. B. Kyrychiv. Rad. lit. 7 no. 3:83-94 My-Je '63.

Role of V. I. Lenin's book "Materialism and empiric criticism" in the struggle against decadent trends in the Ukrainian literature of the 20th century. F. T. Vashchuk. Nauch. zap. Zapor. gos. ped. inst. 7 194-209 '59.

Vass, I. I. [V. G. Belinskii and Ukrainian literature of the 1830's and 1840's] V. H. Belins'kyi i ukrains'ka literatura 30 — 40-kh rokiv XIX st. Kyiv, Derzhlitvydav URSR, 1963. 173 p.

UKRAINIAN LITERATURE—HISTORY AND CRITICISM—BIBLIOGRAPHY see Bibliography—Ukrainian literature—History and criticism

UKRAINIAN LITERATURE—TRANSLATIONS INTO CZECH

Ukrainian literature in Czech translations. Orest Zilyns'kyi. Rad. lit. 7 no. 4:79-92 Jl-Ag '63.

UKRAINIAN PERIODICALS

A conference of our readers. O. P. Kuz'menko. Rad. lit. 7 no. 4:157-158 Jl-Ag '63.

A discussion on the style and methods of party work. L. Rochnedin. Part. zhizn' no. 18:76-78 S '63.

Ivan Franko as the editor of the periodical "Literaturno-naukovyi visnyk." I. H. Batsula. Rad. lit. 7 no. 5:74-83 S-O '63.

UKRAINIAN POETRY

Korsuns'ka, B. L., ed. [Revolutionary poetry of the October Revolution, poetic creativity of the people] Revoliutsiina poeziia zhovtnia; poetychna tvorchist' narodnykh mas. Kyiv, Radians'kyi pys'mennyk, 1960. 427 p. (Biblioteka poeta) (NN)

UKRAINIAN SATIRE see Satire, Ukrainian

UKRAINIAN STUDIES see subdivision under Czechoslovakia

UKRAINKA, LESIA, 1871-1913

The fetters of groundless conjectures. O. F. Stavyts'kyi. Rad. lit. 7 no. 4:142-145 Jl-Ag '63.

A herald of freedom and the fraternal friendship of all peoples, on the 50th anniversary of Lesia Ukrainka's death. V. H. Sarbei. Ukr. ist. zhur. 7 no. 4:120-124 Jl-Ag '63.

Lesia Ukrainka in the reminiscences of her contemporaries. A. Deich. Vop. lit. 7 no. 8:209-212 Ag '63.

Militant and impassionate social and political writings. K. P. Kukhalashvili. Rad. lit. 7 no. 4:56-65 Jl-Ag '63.

An out-of-town session Lesia Ukrainka's homeland. B. L. Rad. lit. 7 no. 4:153-154 Jl-Ag '63.

Kostenko, A. L., ed. [Reminiscences of Lesia Ukrainka] Spohady pro Lesiu Ukrainku. Kyiv, Radians'kyi pys'mennyk, 1963. 518 p. (NN)

A Ukrainian conference devoted to Lesia Ukrainka's literary work. O. S. Rad. lit. 7 no. 4:154-155 Jl-Ag '63.

ULAKHAN-BOTUOBUYA VALLEY—ROCKS, IGNEOUS

Accessory sphene from metasomatic trap rocks in the Siberian Platform (Bol'shaya Botuobiya Valley). F. D. Nadezhdina, V. V. IUdina, N. I. Zabavnikova. Trudy Min. muz. no. 14 243-249 '63.

ULAKHAN-BOTUOBUYA VALLEY—SPHENE

Accessory sphene from metasomatic trap rocks in the Siberian Platform (Bol'shaya Botuobiya Valley). F. D. Nadezhdina, V. V. IUdina, N. I. Zabavnikova. Trudy Min. muz. no. 14 243-249 '63.

ULAN BATOR—AUTOMOBILES—MAINTENANCE AND REPAIR

We wish you new successes. R. Dash. Sovr. Mong. 8 no. 2:18 F '63.

ULAN BATOR—GREENHOUSES

There is eternal summer here. A. Geleg. Sovr. Mong. 8 no. 2:22 F '63.

ULAN-UDE REGION—FIELD CROPS—DISEASES AND PESTS

The field slug. V. V. Preobrazhenskii. Zashch. rast. ot vred. i bol. 8 no. 9:30 S '63.

ULAN-UDE REGION—SLUGS (ZOOLOGY)—EXTERMINATION

The field slug. V. V. Preobrazhenskii. Zashch. rast. ot vred. i bol. 8 no. 9:30 S '63.

ULCERS

Clinical aspects and treatment of ulcers caused by X rays. Liuben Metodiev Todorov. Med. rad. 7 no. 12: 28-32 D '62.

Treatment of trophic ulcers with cygerol. IU. K. Skripkin, G. IA. Sharapova, I. N. Vedrova. Vest. derm. i ven. 37 no. 1:77-78 Ja '63.

ULNA—DISLOCATION

Case of Galeazzi's fracture in a child. N. A. Liuboshits. Ortop., travm. i protez. no. 1:63-64 '63.

ULTRABASITE

Main problems in studying the massifs of ultrabasic alkali rocks and carbonatites. A. I. Ginzburg, E. M. Epshtein. Geol. mest. red. elem. no. 17:142-147 '62.

Precarbonatite metasomatic processes in ultrabasic alkali massifs. IU. B. Lavrenev, E. M. Epshtein. Geol. mest. red. elem. no. 17:27-37 '62.

ULTRASONIC TESTING

Ultrasonic testing of magnesium cast iron crank shafts. G. K. Bondiug. Lit. proizv. no. 8:29-30 Ag '63.

ULTRASONIC TESTING—EQUIPMENT AND SUPPLIES

Automatic machine for the ultrasonic control of welded pipe butt joints. N. V. Troitskii. Svar. proizv. no. 9: 38-39 S '63.

ULTRASONIC WAVES

Effect of ultrasonic waves on the isothermal decomposition of austenite in KhVG steel. E. G. Atzentson, L. V. Spivak. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2:124-129 Mr-Ap '63.

ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS (see also subdivision under Ryazan Province)

Effect of ultrasonic vibrations on the properties of concentrated acetone solutions of acetylcellulose. V. M. Averianova, S. A. Glikman. Khim. volok. no. 5:52-55 '63.

Forming cast metal-oxide compositions with the help of ultrasonic waves. G. I. Pogodin-Alekseev, K. F. Shchelokov. Lit. proizv. no. 8:26-27 Ag '63.

Health protection for workers during the industrial use of ultrasonic waves. Z. S. Lisichkina. Mashinostroitel' no. 8:44 Ag '63.

Industrial application of ultrasonic waves. I. P. Ten'gaeva. Trudy Stud. nauch. ob-va LIEI no. 3:22-27 '59.

Lashkov, A. S. [Ultrasonic investigation of the cavitation of hydraulic machinery] Ul'trazvukovoi metod issledovaniia kavitatsii gidravlicheskikh mashin; stenogramma lektsii. Leningrad, 1963. 32 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serila: Elektricheskie metody obrabotki materialov)

Liquefaction of varnishes by ultrasonic waves. G. B. Inozemtsev. Der. prom. 12 no. 9:16-17 S '63.

Lubianitskii, G. D. [Ultrasonic cleaning of parts] Tekhnologiia ul'trazvukovoi ochistki detalei. Leningrad, 1963. 16 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Serila: Elektricheskie metody obrabotki materialov, no. 6)

Nature of pulse ultrasonic effects on viscose and acetate fibers. V. T. Faerman. Khim. volok. no. 5:59-64 '63.

Semiautomatic program-controlled line for ultrasonic cleaning of parts. G. P. Kondrashova, B. N. Liamin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:27-29 '63.

Vechko, IU. I. [World of ultrasonics] Mir ul'trazvukov. Leningrad, Ob-vo "Znanie," RSFSR, 1963. 49 p.

ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT

Antigenic connections in Shigella and Salmonella. Part 3. Use of sound-treated antigens for a study of the genetic connections in the family of intestinal bacteria. I. G. Pers. Zhur. mikrobiol., epid. i immun. 40 no. 1 39-43 '63.

Changes in the blood sugar under the influence of ultrasonic waves. L. L. Kucherova, N. V. Penek. Vrach. delo no. 9:144-145 S '63.

Effect of the duration of the action of ultrasonic waves on the development of Azotobacter. O. I. Kolesnko, B. IA. El'bert, M. IA. Reznikov. Dokl. AN BSSR 7 no. 8 561-564 Ag '63.

ULTRASONIC WAVES—SPEED

Ultrasound propagation in semiconductors. V. I. Pustovoit. Fiz. tver. tela 5 no. 9 2490-2500 S '63.

ULTRASONICS

Marine animals let designers "share" in their "experience". V. Bel'kovich, A. Iablokov. Nauka i zhizn' 30 no. 5 61-64c, 64b-c My '63.

ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT

Information notes. Svetotekhnika 9 no. 9:21 S '63.

Principles of integral measurement of ultraviolet radiation. D. N. Lazarev. Svetotekhnika 9 no. 9:8-13 S '63.

ULTRAVIOLET SPECTRUM see Spectrum, Ultraviolet

UL'YANOVSK—AUTOMOBILE INDUSTRY WORKERS

According to the law and prompted by the conscience. N. Sarbaev, N. Machkasov. Sov. profsoiuzy 19 no. 16: 10-11 Ag '63.

UL'YANOVSK—GUIDEBOOKS

[Ul'yanovsk, the native city of V. I. Lenin; notable places] Ul'ianovsk - Rodina V. I. Lenina; pamiatnye mesta. [Ul'ianovsk] Ul'ianovskoe knizhnoe izd-vo, 1963. 220 p.

UL'YANOVSK PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

Schools for agricultural lecturers. I. Komissarov. Part. zhizn' no. 19:58 O '63.

UL'YANOVSK PROVINCE—EDUCATION, COOPERATIVE

Role of production instruction in the training of students. A. Bardinova, A. Troshin. Shkola i proizv. 7 no. 9 92-94 S '63.

UL'YANOVSK PROVINCE—VERTEBRATES

Gainiev, S. S. [Vertebrates of Ul'yanovsk Province] Pozvonochnye zhivotnye Ul'ianovskoi oblasti. Ul'ianovsk, Gos. pedagog. in-t, 1959. 74 p. [MICROFILM]

UNDERDEVELOPED AREAS

For the sake of life on earth. M. Kurgantsev. Az. i Afr. seg. no. 10:4-7 O '63.

Friendly aid to underdeveloped countries. D. Vovko. Ekon. Rad. Ukr. no. 5:114-118 S-O '63.

Geographical problems in the work of the United Nations conference on the use of scientific and technical knowledge for satisfying the needs of underdeveloped areas. I. P. Gerasimov, I. V. Komar. Izv. AN SSSR, Ser. geog. no. 5:127-132 S-O '63.

UNDERDEVELOPED AREAS—COOPERATIVE SOCIETIES

Cooperative movement [with English summary in insert]. L. Aleksandrovskaia. Az. i Afr. seg. no. 10:16-17 O '63.

UNDERDEVELOPED AREAS—ECONOMIC ASSISTANCE, AMERICAN

New battles around foreign aid. V. Koziakov. Mezhdunar. zhizn' 10 no. 10 113-114 O '63.

UNDERDEVELOPED AREAS—ECONOMIC CONDITIONS

Panorama. Az. i Afr. seg. no. 10:18-19 O '63.

Peoples choose their roads [with English summary in insert]. Az. i Afr. seg. no. 10:12-13 O '63.

UNDERDEVELOPED AREAS—ECONOMIC POLICY

The role of planning [with English summary in insert]. E. Bragina. Az. i Afr. seg. no. 10:14-16 O '63.

UNDERDEVELOPED AREAS—FOREIGN ECONOMIC RELATIONS—UNITED STATES

Aid and business [with English summary in insert]. M. Aleksandrov. Az. i Afr. seg. no. 9:21-22 S '63.

UNDERDEVELOPED AREAS—GOVERNMENT OWNERSHIP

The basis of industrialization [with English summary in insert]. O. Ul'rikh. Az. i Afr. seg. no. 10:13-14 O '63.

UNDERDEVELOPED AREAS—INVESTMENTS, AMERICAN

Chibrikov, G. G. [Contradictions between U. S. A. monopolies and underdeveloped countries on the basis of the exportation of capital] Protivorechiia mezhdu monopoliiami SShA i slaborazvitymi stranami na pochve vyvoza kapitala. [Moskva] Izd-vo Mosk. univ., 1963. 36 p.

UNDERDEVELOPED AREAS—INVESTMENTS FOREIGN

New forms, old essence [with English summary in insert] V. Fedorov. Az. i Afr. segl. no. 9 1-8 S '63.

UNDERDEVELOPED AREAS—POLITICS

An interesting discussion. K. Malakhovskii. Az. i Afr. segl. no. 10 10-11 O '63.

UNDERWATER ACOUSTICS

Bessonov, A. N., and others. [Underwater search] Podvodnyi poisk. Moskva, Voenizdat, 1963. 93 p. (Za voenno-tekhnicheskie znaniia)

UNDERWATER EXPLOSIONS

Iakovlev, B. G., and V. A. Veshnikov. [Explosion under water] Vzryv pod vodoi. Moskva, Voenizdat, 1963. 74 p.

UNDERWATER TELEVISION

Bessonov, A. N., and others. [Underwater search] Podvodnyi poisk. Moskva, Voenizdat, 1963. 93 p. (Za voenno-tekhnicheskie znaniia)

UNDULANT FEVER see Brucellosis

UNEMPLOYED see subdivision under United States

UNIFORMS, MILITARY

These are notable questions. Starsh. serzh. no. 5:33 My '63.

UNION OF SOVIET SOCIALIST REPUBLICS see Russia

UNITED NATIONS

Our commentaries. Nov. vrem. 21 no. 38:1-2 S '63.

Our commentaries. Nov. vrem. 21 no. 42:2-3 O '63.

UNITED NATIONS—COMMISSIONS

Geographical problems in the work of the United Nations conference on the use of scientific and technical knowledge for satisfying the needs of underdeveloped areas. I. P. Gerasimov, I. V. Komar. Izv. AN SSSR, Ser. geog. no. 5:127-132 S-O '63.

Vitally important problems. V. Nabokov. Vnesh. torg. 43 no. 9 16-18 '63.

Who is against reasonable proposals? [with summary in English, p. 61] I. Gurev. Vnesh. torg. 43 no. 9 13-15 '63.

UNITED NATIONS—VOTING

For the 101st time. I. Sotnikov. Nov. vrem. 21 no. 38 7-8 S '63.

UNITED STATES—ARMY—FOREIGN SERVICE

Beware, an American is coming! L. Eremeev. Sov. voin. 15 no. 18 15 S '63.

UNITED STATES—AUTOMATION—ECONOMIC ASPECTS

Unemployment is the number one problem in the U. S. A. John Dyer. Vsem. prof. dvizh. no. 9 3 9 S '63.

UNITED STATES—BALANCE OF PAYMENTS

Where is the "way out"? I. Mikusov. Mezhdunar. zhizn' 10 no. 9 111-112 S '63.

UNITED STATES—BALLISTIC MISSILES

Detection of ballistic rockets by means of infrared equipment (as revealed by foreign press data). V. I. Zhuravlev. Vest. protivovozd. obor. no. 11 25-28 N '61.

UNITED STATES—BEANS—HARVESTING

Mechanization of kidney bean harvesting in the U. S. A. Tekh. v sel'khoz. 23 no. 3:79-80 Mr '63.

UNITED STATES—CABINETWORK—QUALITY CONTROL

Use of light reflection in controlling the quality of polished and lacquered surfaces. IA. E. Vol'fkovich. Prom. energ. 18 no. 9 43 S '63.

UNITED STATES—CAPITAL

Dynamics and structure of capital equipment in the economy of the U. S. A. G. Shpil'ko. Mir. ekon. i mezhdunar. otn. no. 9 115-125 '63.

UNITED STATES—CAPITALISM

The ideological poverty of American capitalism. E. Bagramov. Mezhdunar. zhizn' 10 no. 9 40-48 S '63.

UNITED STATES—CARGO HANDLING

From the practice of U. S. courts. Inform. sbor. TSNIIMF no. 72, Mor. pravo i prak. no. 16 46 '62.

UNITED STATES—COMMERCE—RUSSIA

Commotion in Fountain Valley. A. Gutorovich, S. Danilov. Vnesh. torg. 43 no. 9:54-55 '63.

UNITED STATES—COPPER—METALLURGY

Matte blowing with a

UNITED STATES—CYBERNETICS

Instruction and research in the field of cybernetics at the University of Wisconsin in the U. S. A. V. V. Ideshcho. Avtomatyka 8 no. 1 81-84 '63.

UNITED STATES—DESCRIPTION AND TRAVEL

"Americans" by N. N. Mikhailov, Z. V. Kosenko. Reviewed by G. Bogoiavlenskii. Sem. i shkola 18 no. 5 35-36 My '63.

UNITED STATES—DISCRIMINATION IN EDUCATION

"Chance or a snowball in hell." I. M. Nov. vrem. 21 no. 42,17-18 O '63.

UNITED STATES—ECONOMIC CONDITIONS

Kirsanov, A. V. [The true face of the "American way of life"] "Amerikanskii obraz zhizni" bez prikras. Moskva, Ekonomizdat, 1963. 134 p.

The uneasy "boom." V. Perlo. Mezhdunar. zhizn' 10 no. 10 58-66 O '63.

UNITED STATES—ELECTRIC POWER

Correlation between the abundance of electrical equipment and labor productivity in the U. S. S. R. and the U. S. A. I. N. Bessonova, IU. V. Smiak. Ob. nauch. energ. no. 6 68-71 '63.

UNITED STATES—ELECTRIC POWER PLANTS

Equipment of new electric power plants in the U. S. A. N. IA. Turchin. Energomashinostroenie. 9 no. 9 46-48 S '63.

UNITED STATES—ELECTRICITY, INJURIES FROM

Statistics on fatal accidents in electrical systems in the U. S. A. in 1961. IA. E. Vol'fkovich. Prom. energ. 18 no. 10 42 O '63.

UNITED STATES—ELECTRONIC COMPUTERS

Effectiveness of automation and mechanization of management work by the use of electronic equipment in the U. S. A. F. M. Rusinov, E. P. Iupatov. Bibl. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9 89-91 '63.

UNITED STATES—ELECTRONICS IN MILITARY ENGINEERING

Goncharenko, M. N. [Automatic control in military science] Kibernetika v voennom dele. Moskva, Izd-vo DOSAAF, 1963. 343 p.

UNITED STATES—FARM MECHANIZATION

Mechanization of agriculture in the U. S. A. Trakt. i sel'khozmash. 33 no. 4 47 Ap '63.

UNITED STATES—FIRE CONTROL (GUNNERY)

Goncharenko, M. N. [Automatic control in military science] Kibernetika v voennom dele. Moskva, Izd-vo DOSAAF, 1963. 343 p.

UNITED STATES—FOREIGN ECONOMIC RELATIONS

Nosenko, O. E. [Dollar on the throne] Dolar na prestoli. [Kyiv] Kyivs'ke oblastne knyzhkovo-hazetne vyd-vo, 1963. 130 p.

UNITED STATES—FOREIGN ECONOMIC RELATIONS—EUROPEAN ECONOMIC COMMUNITY COUNTRIES

The dollar's ventures in Europe. N. Polianov. Mezhdunar. zhizn' 10 no. 10 86-93 O '63.

UNITED STATES—FOREIGN ECONOMIC RELATIONS—UNDERDEVELOPED AREAS

Aid and business [with English summary in insert]. M. Aleksandrov. Az. i Afr. segl. no. 9 21-23 S '63.

UNITED STATES—FOREIGN RELATIONS

Diplomatic war carried on by the United States for predominance at sea. B. A. Alekseev, L. A. Ivanashchenko. Mor. sbor. 46 no. 8:92-96 Ag '63.

U. S. A. policy in a changing world. B. Marushkin. Mezhdunar. zhizn' 10 no. 10:20-26 O '63.

UNITED STATES—FOREIGN RELATIONS—CUBA

Remember Playa Giron! I. Nemira. Mezhdunar. zhizn' 10 no. 10 109-110 O '63.

A year after. Nov. vrem. 21 no. 42:1-2 O '63.

UNITED STATES—FOREIGN RELATIONS—EUROPE, WESTERN

The "strategy of peace" and the "Atlantic community." A. Sovetov. Mezhdunar. zhizn' 10 no. 9:30-39 S '63.

U. S. A. and the "change of guards" in Europe. J. Berlioz. Mezhdunar. zhizn' 10 no. 9 127-130 S '63.

UNITED STATES—FOREIGN RELATIONS—GREAT BRITAIN

NATO and the national independence of Great Britain. [illegible] zhdunar. zhizn' 10 no. 10 44-50 O

N RELATIONS—RUSSIA

f Russian war vessels to Ameri- godovshchina pribytiia Rus- 1863-1963] Washington, Izd 3 63 p. ("Zarubezhnye zapi-

"The cold war; retrospect and prospect" [in English] F. I. Schuman. Reviewed by V. G. Polikarpov. Vop. ist. 38 no. 9 153-156 S '63.

UNITED STATES—FOREIGN RELATIONS—VIETNAM, SOUTH

Puppet regimes as a support of the United States in South Vietnam. F. Khalin. Mezhdunar. zhizn' 10 no. 9 149-150 S '63.

UNITED STATES—GLASS MANUFACTURE

Glass industry in the United States during 1962. Stek. i fer. 20 no. 10 13-15 O '63.

Sheet glass production by the floating ribbon method. Stek. i fer. 20 no. 10 15-16 O '63.

UNITED STATES—GRAIN—TRANSPORTATION

Transportation of grain in the United States. A. Rech. transp. 22 no. 9 57-58 S '63.

UNITED STATES—GUIDED MISSILES

Goncharenko, M. N. [Automatic control in military science] Kibernetika v voennom dele. Moskva, Izd-vo DOSAAF, 1963. 343 p.

UNITED STATES—INDIANS

"Where all the coal burned up...." Boris Strelkov. Ogonek 11 no. 11:20-23 O '63.

UNITED STATES—INDUSTRIAL ELECTRIC TRUCKS

Control of electric carts with load hoists without rheostats. IA. E. Vol'fkovich. Prom. energ. 18 no. 10 40-41 O '63.

UNITED STATES—INDUSTRIES—CLASSIFICATION

Grachev, N. G. [Classifications and indices of industrial structure] Klassifikatsii i pokazatelei struktury promyshlennosti. Moskva, Izd-vo Akad. nauk SSSR, 1963. 121 p.

UNITED STATES—INTERNAL COMBUSTION ENGINES

Rotary-piston engines of the Curtiss-Wright firm. O. D. Apazidi, A. M. Botko, A. V. Sharapov. Trakt. i sel'khozmash. 33 no. 5:45-46 My '63.

UNITED STATES—JUDICIAL ERROR

Crime and punishment in America. V. Kurnosov. Sots. zakon. 40 no. 8:73-74 Ag '63.

UNITED STATES—LABOR AND LABORING CLASSES

Main problems of the struggle of the proletariat in the U. S. A. I. Mikhailov. Mir. ekon. i mezhdunar. otn. no. 9 82-90 '63.

UNITED STATES—LABOR LAWS AND LEGISLATION

Labor laws and the exploitation of workers in capitalist countries. IUrgen Kuchinskii, Lotta Tsumpe. Okhr. truda i sots. strakh. 6 no. 8 45-46 Ag '63.

UNITED STATES—MACHINERY INDUSTRY

Structure of material expenditures in the machinery manufacturing of the U. S. A. L. Nochevkina. Plan. khoz. 40 no. 10 72-78 O '63.

UNITED STATES—MARITIME LAW

Decisions of U. S. courts. Inform. sbor. TSNIIMF no. 59, Mor. pravo i prak. no. 12:65-68 '61.

From the practice of U. S. courts. Inform. sbor. TSNIIMF no. 69, Mor. pravo i prak. no. 9 70-71 '60.

UNITED STATES—METAL-CUTTING TOOLS—COOLING

Electric coolers for cutters. V. A. Rodionov. Prom. energ. 18 no. 9 44-45 S '63.

UNITED STATES—MILITARY POLICY

A defender of the bomb. IU. Sheinin. Mezhdunar. zhizn' 10 no. 10 125-127 O '63.

Nosenko, O. E. [Dollar on the throne] Dolar na prestoli. [Kyiv] Kyivs'ke oblastne knyzhkovo-hazetne vyd-vo, 1963. 130 p.

UNITED STATES—MOTION PICTURES

Kulodiazhnaia, V. S. [Motion pictures of the United States, 1945-1960] Kino Soedinennykh Shtatov Ameriki, 1945-1960. Moskva, Vses. gos. in-t kinematografii, 1963. 50 p. (Istoriia zarubezhnogo kino)

UNITED STATES—NAVY

Diplomatic war carried on by the United States for predominance at sea. B. A. Alekseev, L. A. Ivanashchenko. Mor. sbor. 46 no. 8:92-96 Ag '63.

UNITED STATES—NEGROES—CIVIL RIGHTS

Against racial discrimination in the U. S. A. Vsem. prof. dvizh. no. 7/8 46-47 Jl-Ag '63.

Negroes in the U. S. A.; the struggle and its lessons. H. Winston. Mir. ekon. i mezhdunar. otn. no. 9:60-70 '63.

UNITED STATES—NEGROES—SOCIETIES, ETC.

Negro organization in the United States; information. L. Velichanskii. Nov. vrem. 21 no. 40 16-17 O '63.

UNITED STATES—ORE DRESSING

Iron ore dressing plants in the U S A and Canada. S N Zharev. Gor zhur, no. 9:70-71 S '64

UNITED STATES—PALEONTOLOGICAL SOCIETIES

Fifty-fourth annual conference of the American Paleontological Society. A. A. Shevyrev. Paleot. zhur. no. 3, 135-137 '63.

UNITED STATES—PETROLEUM—REFINING

Production costs of petroleum refining in the United States. P. Delabie. Nefteper. i neftekhim. no. 1:14-17 '63.

UNITED STATES—PETROLEUM CHEMICALS

News from abroad. Production of petroleum chemicals in 1962. (from "Petroleum refiner, no 1, 1962). Khim. i tekh. topl. i masel 8 no 2 71-72 F '63.

UNITED STATES—PLASTICS

Centrifugal casting of thermoplastics A. M. Skliarskii. Plast. massy no. 10 66-68 '63.

UNITED STATES—POLITICS AND GOVERNMENT

Anticommunism is a tool of the American reactionaries. IU. Igritskii. Polit. samoobr. 7 no. 10:68-71 O '63.

Consultations. Mezhdunar. zhizn' 10 no. 9:152-156 S '63.

Dulltriev, Boris. [The U. S. A.; danger from the right] SShA, opasnost' sprava. Moskva, Izd-vo In-ta mezhdunar otnoshenii, 1963 167 p.

UNITED STATES—POOR

"The other America" by Michael Harrington. Reviewed by A. Kirsanov. Polit. samoobr. 7 no. 10 133-136 O '63.

UNITED STATES—POWER TOOLS

Balancing device facilitating manipulations with hand tools. IA. E. Vol'fkovich. Prom energ. 18 no. 9:41 S '63.

UNITED STATES—PRESS

The dollar dictates. I. Davydov. Sov. pech. no. 5:58-60 My '63.

UNITED STATES—PROPAGANDA, ANTI-COMMUNIST

Anticommunism is a tool of the American reactionaries. IU. Igritskii. Polit. samoobr. 7 no. 10 68-71 O '63.

UNITED STATES—PROSPECTING

Searching for blind ore bodies in the U. S. A. L. B. Dralkin. Razved. i okh. nedr 29 no. 9 62-64 S '63.

UNITED STATES—RACE QUESTION

Beglov, S. I., V. V. Zhurkin, and M. G. Sturua. [Current problems of world politics; Quarterly international review, April-June, 1963] Tekushchie problemy mirovoi politiki. Ezhekvartal'noe mezhdunarodnoe obozrenie (aprel'-iun' 1963 g). Moskva, Izd-vo "Pravda," 1963. 54 p.

Brovchenkov, A. E. [Why couldn't the President sleep?] Pochemu ne spalos' prezidentu? Moskva, Gospolitizdat, 1963. 45 p. (Za dollarovym zanavesom)

Crimes of American racialists. Zh. U. Nov. vrem. 21 no. 28-14-15 S '63.

Flame of a Negro revolution. L. Velichanskii. Ogonek 41 no. 21:2-3 My '63.

Oppressive laws of race discrimination. V. IUrenko. Sov. pravo no. 3:124-126 My-Je '63.

Shadow of Birmingham. Boris Strel'nikov. Ogonek 41 no. 40:1 S '63.

UNITED STATES—REFRACTORIES INDUSTRY

Abstract. A. N. Goncharenko. Ogneupory 28 no. 9:431 '63.

Abstracts. S. V. Olchov. Ogneupory 28 no. 9:428-430 '63.

UNITED STATES—RELATIONS (GENERAL) WITH RUSSIA

One day and two answers of Roswell Garst. A. Serbin. Ogonek 41 no. 21:25 My '63.

UNITED STATES—RELATIONS (MILITARY) WITH LEBANON

In Beirut...; a letter from Lebanon. Mamdouh Zayat. Nov. vrem. 21 no. 42:15-16 O '63.

UNITED STATES—RELATIONS (MILITARY) WITH LATIN AMERICA

Military expansion of the U. S. A. in the countries of Latin America. Mezhdunar. zhizn' 10 no. 10,138-139 O '63.

UNITED STATES—REVOLUTION

New trends in studying the history of the American Revolution in the 18th century. N. A. Erofeev. Vop. ist. 38 no. 9:185 S '03.

UNITED STATES—ROCKETS IN TRANSPORTATION

Kangaroo man. Viktor Honcharenko. Znan. ta pratsia no. 3:12 Mr '63.

UNITED STATES—SLAVERY

Travinskii, V. M. [How millions of Negroes lost their lives] Kak pogibli milliony negrov Moskva, Sotsekgiz, 1963 246 p.

UNITED STATES—SLAVS

Solidarity of the Slavic population of America with the Soviet people during the Patriotic War A. M. Shlepakov Ukr. ist. zhur. 7 no. 4 50-56 Jl-Ag '64

UNITED STATES—SOCIAL CONDITIONS

Klisanov, A. V. [True face of the "American way of life"] "Amerikanskii obraz zhizni" bez prikras Moskva, Ekonomizdat, 1963 143 p.

UNITED STATES—SOCIAL CONFLICT

Legend about "cooperation" among the classes of the U. S. A. S. M. Askol'dova. Vop. ist. 38 no. 9:183-184 S '63.

Pavlov, V. P. [Critical evaluation of the theory of "class peace" in the U. S. A.] Kritika teorii "klassovogo mira" v SShA. Moskva, Sotsekgiz, 1963. 205 p.

UNITED STATES—SOILS

Grouping soils according to productivity and recommendations for their efficient use in the U. S. A. N. I. Afanas'ev Pochvovedenie no. 9,103-110 Sp[i e S] '63.

UNITED STATES—SPACE VEHICLES

Project of the X-20 "Dyna-Soar" rocket plane A. Chernyshev. Av. i kosm. 46 no. 9 91-94 S '63.

UNITED STATES—TREATIES—RATIFICATION

Consultations. Mezhdunar zhizn' 10 no. 9:152-156 S '63.

UNITED STATES—UNEMPLOYED

Unemployment is the number one problem in the U. S. A. John Dyer Vsem prof. dvizh no 9 3-9 S '63

UNITED STATES—WARSHIPS

Position of hydraulic detecting devices on modern American surface ships. G. P. Zlobin. Mor. sbor. 46 no. 8:87-89 Ag '63.

UNITED STATES—WORLD WAR, 1939-1945

American plans for the invasion of Japan in 1945. Voen.-ist. zhur. 5 no. 8:73-81 Ag '63.

UNITIZED CARGO SYSTEMS

Direct delivery of container cargo. N. Davydov. Mor. flot 23 no. 10:10-12 O '63.

UNITS

Introducing the international system of units in the U. S. S. R V. Korotkov. TSvet. met. 36 no. 5,90-92 My '63.

Introduction of the international system of units in the U. S. S. R. V. P. Korotkov Vest. elektroprom 34 no. 4:59-61 Ap '63.

Introduction of the international unit system in the U. S. S. R. V. P. Korotkov. Der. prom. 12 no. 4:13-14 Ap '63.

To readers attention. Izv. vys. ucheb. zav.; av tekh. 6 no. 3,129-130 '63.

Use of the International Tex System for the evaluation of the thinness of textile materials. A. I. Pavlov. Izv. vys. ucheb. zav., tekh. leg. prom. no. 4,175-177 '63.

UNIVERSITIES AND COLLEGES see subdivision under Mongolia

UNIVERSITIES AND COLLEGES—ADMISSION

Latvian S. S. R. Izglitibas ministrija. [Rules for admission to the institutions of higher education of the U. S. S. R. in 1963 and institutions of higher education of the Latvian S. S. R.] Uznemsanas noteikumi PSRS augstakajas macibu iestades 1963. gadam un Latvijas PSR Augstakas macibu iestades. Riga, Latvijas valsts izdevnieciba, 1963. 46 p. [In Latvian]

They don't need such certificates from the place of residence. Sov. deput. trud. no. 9:96 S '63.

UNJUST ENRICHMENT

Practice in the confiscation of houses, summer cottages, and other buildings constructed or bought on unearned income. Sov. iust. no. 17:7-9 S '63.

UNSATURATED COMPOUNDS

Onishchenko, A. S. [Diene synthesis] Dienovyi sintez. Moskva, Izd-vo Akad. nauk SSSR, 1963. 649 p.

Some unsaturated esters of phosphorous acid. P. A. Kirpichnikov, E. A. Krasil'nikova, I. E. Saratov. Trudy KKHTI no. 30:52-57 '62

UPITS, ANDREJS, 1877-

Writer and citizen. K. Kraulins. Kul't. i zhizn' 7 no. 8 32-33 '63.

URAL MOUNTAIN REGION—CATTLE—DISEASES AND PESTS

Some characteristics of the course of rabies in cattle. P. S. Lazarev and others. Veterinariia 39 no. 9:20-22 S '62.

URAL MOUNTAIN REGION—PHYSICAL GEOGRAPHY

Problems of the physical geography of the Urals. I. I. Kunitsyn. Lov. AN SSSR. Ser. geog. no. 5,150-151 S-O '64

URAL MOUNTAIN REGION—PINE

Conditions for the regeneration of pine in the central taiga zone. N. I. Mamonov. Les. khoz. 16 no. 8 30 Ag '63.

URAL MOUNTAIN REGION—PLANTS, PROTECTION OF

Planovo-metodicheskoe soveshchanie po zashchite rastenii zony Urala i Sibiri, Novosibirsk, 1960. [Conference on the planning and methods of plant protection in the Ural Mountain and Siberian zones] Materialy. [Novosibirsk] Novosibirskoe knizhnoe izd-vo.
[Pt. 1.] 1961. 179 p.
[DNAL MICROFILM]

URAL MOUNTAIN REGION—RABIES

Some characteristics of the course of rabies in cattle. P. S. Lazarev and others. Veterinariia 39 no. 9:20-22 S '62.

URAL MOUNTAIN REGION—ROCKS, SEDIMENTARY

Some results of the study of the lithology of Cretaceous sediments in the southern Ural Mountain region. K. Lukmanov. Uzb. geol. zhur. 7 no. 4 18-25 '63.

URAL MOUNTAINS—BAUXITE

"Triassic" bauxites on the eastern slope of the Urals. A. K. Gridovskii, A. K. Shurova. Dokl. AN SSSR 151 no. 6:1420-1423 Ag '63.

URAL MOUNTAINS—COPPER ORES

Zavaritskii, A. N. [Selected works] Izbrannye trudy Moskva, Izd-vo Akad. nauk SSSR
Vol. 4 1963 727 p.

URAL MOUNTAINS—ELECTRIC PROSPECTING

Results of work with electric shot-hole prospecting in the Southern Urals. N. S. Likhanov. Razved. i okh. nedr 29 no. 9 36-40 S '63.

URAL MOUNTAINS—FOREST INFLUENCES

Characteristics of the effect of larch on the mountain Podzolic soils in the Urals [with summary in English]. V. I. Tikhonov. Pochvovedenie no. 9:66-76 Ag[i e, S] '63.

URAL MOUNTAINS—LARCH

Characteristics of the effect of larch on the mountain Podzolic soils in the Urals [with summary in English] V. I. Tikhonov. Pochvovedenie no. 9 66-76 Ag[i e, S] '63.

URAL MOUNTAINS—MINE DRAINAGE

Shaft sinking by means of lowering the water level K. G. Kasatina. Shakht. stroi. 7 no. 10 26-30 O '63.

URAL MOUNTAINS—ORE DEPOSITS

Geological conjectures of Academician V. A. Obruchev on the occurrences of minerals in the Ural Mountains. V. A. Adamchuk Och. po ist. geol. znan. no. 12 74-78 '63.

URAL MOUNTAINS—PODZOL

Characteristics of the effect of larch on the mountain Podzolic soils in the Urals [with summary in English] V. I. Tikhonov Pochvovedenie no. 9:66-76 Ag[i. e. S] '63.

URAL MOUNTAINS—PORPHYRITES

Formation of talc on pyroxene porphyrites in the Southern Urals I. E. Kuznetsov Vest. Mosk. un. Ser. 4. Geol 18 no. 4 51-55 Jl-Ag '63

URAL MOUNTAINS—TALC

Formation of talc on pyroxene porphyrites in the Southern Urals. I. E. Kuznetsov. Vest. Mosk. un. Ser. 4 Geol 18 no. 4 51-55 Jl-Ag '63

URAL MOUNTAINS—TREES

Developing fast-growing tree species in the Central Urals. N. A. Konovalov. Les. khoz. 16 no. 7:55-58 Jl '63.

URAL MOUNTAINS—WOODY PLANTS

Scientific conference on the ecology and physiology of woody plants of the Urals held on March 1-6, 1963. P. I. Gorchakovskii, B. P. Kolesnikov Bot. zhur. 48 no. 8: 1242-1244 Ag '63.

URANIUM

(see also subdivision under Polesye)

Akademiia nauk SSSR. Institut geokhimii i analiticheskoi khimii. [Essential features of uranium geochemistry] Osnovnye cherty geokhimii urana. Pod red. A. P. Vinogradova. Moskva, Izd-vo Akad. nauk SSSR, 1963. 360 p.

Effect of iron minerals contained in ores on uranium oxidation in acid media. G. M. Alkhazashvili, G. M. Nesmelnova, L. N. Kuz'mina. Atom. energ. 15 no. 4: 313-317 O '63.

URANIUM (continued)

Microfo... of uranium [with summary in English]. V. I. Geras'ko... Mineralogiia, no. 1: 343-352 '62

Pr... ... fluorine-fr... ...yl(IV)-34) and the extrac... ... H... ... I. F. Tikhom... Radiok... ... no. 3 ... '63.

URANIUM CHLORIDE

... ...ium chloride from chloride melts. I. F. ... ... I. P. Popova, A. F. Tikhonov. Atom. energ. ... 3:6-17 O '63.

URANIUM COMPOUNDS

... ...ssoft of mixed precipitates of water in the system ... ...p $UO_2(NO_3)_2 - M(NO_3)_n - H_2O$ at 25° C. M. A. ... ... F. Sokolova, V. F. Filippova. Radiokhimiia ... no. 1:71-77 '63.

... ...ion of uranium (IV) from nitric acid media by ... ...ethylphosphate. A. P. Smirnov, A. S. ... ... Zhur. neorg. khim. 8 no. 10 ... 2400 O '63.

URANIUM COMPOUNDS—ABSORPTION SPECTRA

... ...shift of bands in the absorption spectra of U(IV) during ... ...fluoride complex formation. V. M. Vdovenko, G. A. ... ... Radiokhimiia 5 no. 4 ... 313 '63.

URANIUM ISOTOPES

Channeling effects in the energy dependence of the mean ... ...energy of U^{233} fission fragments. V. N. Okolo... ... G. N. Smirenkin, Atom. energ. 15 no. 3:250-253 ... '63.

Kinetic energy and angular distribution of the fragments of U^{233} fission by neutrons and photons. B. A. Bocha... ... A. P. Komar, V. I. Fadeev. Atom. energ. 15 ... 3:191-194 S '63.

... ...neutrons from U^{233} fission by 15 Mev neutrons. ... P. P. Manichev. Atom. energ. 15 no. 4:321-322 O ... '63.

Radiochemical study of the yields of elements of the ... ...rium group in U^{233} photofission. K. A. Petrzhak, ... V. Solodkii. Atom. energ. 15 no. 4:308-313 O ... '63

... ...ield kinetic energy of U^{233} and Th^{232} fission fragments. ... S. Fomichenko, K. A. Petrzhak, V. M. Adamov... Atom ... energ. 15 no. 4:320-321 O '63.

URANYL COMPOUNDS

Inner-complex compounds of uranyl with tridentate li... ...gands. V. V. Zelentsov. Zhur. neorg. khim. 8 no. 10: ... 2413-2415 O '63.

Interaction of carbonate and fluoro groups in the inner sphere of uranyl complexes. I. I. Chernyaev and others. Zhur. neorg. khim. 8 no. 10:2232-2239 O '63.

URANYL COMPOUNDS—ABSORPTION SPECTRA

Mirror symmetry and the nature of electron absorption spectra of uranyl compounds. A. V. Sviatchanka, D. S. Umreiko. Vestsi AN BSSR Ser. fiz.-tekh. nav. no. 3 ... 37-44 '63.

URANYL NITRATE

Salting out in the extraction of uranyl nitrate from aqueous solutions. R. T. Golovatenko. Zhur. neorg. khim. 8 no. 10:2396-2399 O '63.

URANYL NITRATE—ABSORPTION SPECTRA

Infrared absorption spectra of uranyl nitrate and complexes with neutral addends. V. M. Vdovenko, D. N. Suglobov, V. A. Krasil'nikov. Radiokhimiia 5 no. 3 ... 311-319 '63

URANYL OXALATES

Additional data on the solubility of tetravalent uranium oxalate. L. A. Grinberg, G. L. Petrzhak. Radiokhimiia 5 no. 3:319-329 '63.

UREA

Ammonia-thiourea complexes of nickel. A. V. Babaeva, Kh. U. Bramov, G. G. Afanas'eva. Zhur. neorg. khim. 8 no. 9:2065-2068 S '63.

Complex formation in the system lithium sulfate - urea - water. B. Sulaimankulov, G. V. Naumova. Zhur. neorg. khim. 8 no. 9:2211-2213 S '63

Reaction of urea with sodium and potassium halides. Report No. 2. A. G. Bergman, K. Nogoev. Izv. AN Kir. SSR, Ser. est. i tekh. nauk 5 no. 4:59-67 '63.

Reaction of urea with sodium and potassium halides. Report No. 3. A. A. Bergman, K. Nogoev. Izv. AN Kir. SSR, Ser. est. i tekh. nauk 5 no. 4:69-77 '63

Structure of a complex formed by the interaction of diesel fuel and carbamide aqueous solution. Z. V. Basyrova, B. V. Klimenok. Izv. vys. ucheb. zav., neft' i gaz 4 no. 3:61-66 '61.

UREA AS FEED

Means of feeding carbamide (urea). Nauka i zhizn' 30 no. 9:6 S '63.

URETERS—INNERVATION

Sensory innervation of ureters. F. B. Kheifman. Vop. morf. perif. nerv. sist. no. 6:93-109 '63.

URETHANES

Synthesis and investigation of hydrophilic polyester urethanes for the manufacture of artificial leather with high hygienic properties. S. L. Polinskii, I. V. Plotnikov, S. V. Pavlov. Izv. vys. ucheb. zav., tekh. leg. prom. no. 4:54-64 '63.

URETHRA—DISEASES

Behçet's syndrome; a case report. N. E. Komarover, E. D. Ozhelas, A. M. Paikin. Vest. derm. i ven. 37 no. 2:84-85 F '63.

Treatment of nongonorrheal urethritis in men [with summary in English]. I. D. Kuznetsov, V. I. Zablotskii. Vrach. delo no. 7:71-75 Jl '63.

URIDINEDIPHOSPHOGLUCOSE

Capacity of uridinediphosphoglucose analogs to take part in the biosynthesis of saccharose. N. D. Gabrielian, M. A. Nozhkova, G. L. Zhdanov. Dokl. AN SSSR 151 no. 6:1453-1455 Ag '63

URINARY ORGANS—DISEASES

Use of the thermoelectric method in the diagnosis of diseases of the urinary organs. V. N. Skliar, V. A. Pirogov. Vrach. delo no. 9:142-143 S '63

URINARY ORGANS—SURGERY

Methods for preparing an intestinal transplant before its insertion into the urinary tract. I. IU. Savchuk. Zdravookhranenie 6 no. 2:36-38 Mr-Ap '63

URINE—ANALYSIS AND PATHOLOGY

Disorder in kidney function following changes in the urine during scarlet fever [with summary in English]. Z. G. Bulatkina, E. I. Tal'vik. Pediatriia 42 no. 1:12-15 Ja '63.

URINE—SECRETION

Disturbance of the urine-secreting function of kidneys in sheep in different pathological states of the organism. B. K. Pitskhelauri. Sbor. trud. Gruz. zootekh.-vet. nauch.-issl. inst. 32:163-180 '61

URMI VALLEY—GEOLOGY, STRATIGRAPHIC

Devonian sediments of the Kur-Urmi interfluve (central Amur Valley). V. V. Bobylev. Trudy MGRI 39:35-44 '63.

UROLOGY

New data on the epidemiology of trichomoniasis of the urogenital system. J. H. Teras, E. M. Rõigas, I. A. Laan. Akush. i gin. no. 2:111-115 '63.

Organization of detection of trichomonal infestation in men and women. Kh. S. Torosian, Z. S. Sakharova. Akush. i gin. no. 2:115-118 '63.

UROPEPSIN

Twenty-four-hour fluctuations of uropepsin in ulcer patients [with summary in English]. L. M. Kaskevich. Vrach. delo no. 9:18-21 S '63.

URSALL

Treatment of chronic ulcers of the lower extremities with ursall ointment derived from Allium ursinum. M. M. Levin. Vest. derm. i ven. 37 no. 2:82-83 F '63.

UST'-KAMENOGORSK—FIRES AND FIRE PREVENTION

Permanent watch. F. Karbushev. Pozh. delo 9 no. 9:27 S '63.

UST'-KAMENOGORSK—PLASTERING

Brigade is headed by a leader. A. Nikolaev. Nar. khoz. Kazakh. 21 no. 4:59-60 Ap '63.

UST'-KIL'MEZ'—LUMBER—TRANSPORTATION

The attack was successful. D. Ukhtomskii. Ogonek 41 no. 40:8 S '63.

UST'-LABINSK REGION—PLANTS, PROTECTION OF

With the initiators of a nation-wide competition. V. E. Savzdarg. Zashch. rast. ot vred. i bol. 8 no. 4:1-4 Ap '63.

UST'-TSIL'MA—IMPLEMENTS, UTENSILS, ETC.

Wooden utensils of Ust'-Tsil'ma; based on collections of Leningrad museums. N. I. Gagen-Torn. Sbor. Muz. ant. i etn. 21:65-77 '63.

UST-URT—SHEEP

"Ust-Urt," a highly profitable farm. L. Korsunskii, D. Azimov. Nar. khoz. Uzb. 5 no. 9:40-45 S '63.

USTYA VALLEY—STONE AGE

Monuments of the culture of the pottery ornamented with dotted lines in the Ustya Valley. I. K. Sviesnikov. Mat. i issl. z arkheol. Prikarp. i Vol. no. 4:44-53 '62.

USTYIANOVYCH, KORNYLO MYKOLAIOVYCH, 1839-1903

Nanovs'kyi, IA. I. Kornylo Kykolaiovych Ustyianovych. Kyiv, Mystetstvo, 1963. 43 p. illus.

UTERUS—ABNORMITIES AND DEFORMITIES

A case of uterus unicornis in a cow. V. G. Chiradze. Sbor. trud. Gruz. zootekh.-vet. nauch.-issl. inst. 32:181-182 '61.

UTERUS—CANCER

Colposcopy in the diagnosis of early ... the cervix uteri. M. P. Amal'... ... no. 6:42-44 Mr-Ap '63

Diagnosis and therapy of choriepithelio... M. S. Klein. Akush. i gin. no. ... '63

Fluorescence-morphological method ... the diagnosis of uterine cancer [in ... Ilish]. B. I. Zheleznov. Akush. i gin. ...

Late results of surgical and combined ... sarcoma of the uterus. I. M. Stafe... ... no. 2:132-133 '63.

Rare case of tuberculosis and cancer of ... Shelentova, A. S. Frakova. Akush. i gin. ... '63.

Tables for the calculation of the intensity ... in combined radiotherapy of malignant ... cervix uteri [with summary in English]. ... nov. Med. rad. 7 no. 12:11-16 D '62.

UTERUS—DISEASES

Treatment of erosion of the cervix uteri ... tin by various methods of local coagulation. Akush. i gin. no. 2:83-86 '63.

UTERUS—RADIOGRAPHY

Abramova, M. M. [Atlas of hysterosalpho... Atlas gisterosal'pingografii. Moskva, ... 124 p.
(DNLM)

UTERUS—SURGERY

Surgical treatment of pathological ... uteri. L. I. Shiffinger. Akush. i gin. ...

UTERUS—TUBERCULOSIS

Rare case of tuberculosis and cancer ... Shelentova, A. S. Frakova. Akush. i gin. ... '63.

UTERUS—TUMORS

Tumors of the round uterine ligaments. ... Akush. i gin. no. 2:127-128 '61.

UZBEKISTAN—ANIMALS AS CARRIERS OF ... SIS

Wild goats and rams in captivity as carriers ... sis. N. I. Kobiakova. Veterinariia 39 ... N '62.

UZBEKISTAN—ARCHITECTURE

Akademiia nauk Uzbekskoi SSR, Tashkent. ... stvoznaniia. [Art of the architects of Uzbekistan] ... Iskusstvo zodchikh Uzbekistana. Tashkent, ... Akad. nauk Uzbekskoi SSR, 1962. 276 p.
(Mil)

UZBEKISTAN—CAPITAL INVESTMENTS

The policy toward improving the efficiency ... investments. Nar. khoz. Uzb. 5 no. ...

UZBEKISTAN—COCCIDIOSIS

Wild goats and rams in captivity as carriers ... sis. N. I. Kobiakova. Veterinariia 39 ... N '62.

UZBEKISTAN—COOPERATIVE SOCIETIES

What we are going to tell our friend about. ... khanov. Sov. potreb. koop. 7 no. 9:11-13 ...

UZBEKISTAN—COTTON BREEDING

Role of the temperature and light factors ... formation of the nature of cotton. ... sel'khoz. nauki 6 no. 3:126-131 Mr '63.

UZBEKISTAN—COTTON-PICKING MACHINERY

When will the mechanization of cotton harvesting be completed? B. Daniatchikov, V. Sadykov. ... 5 no. 9:34-39 S '63.

UZBEKISTAN—ECONOMIC CONDITIONS

Abdushukurov, R. Rh. [The October Revolution ... prosperity of the Uzbek socialist nation, ... rapprochement with the other nations of the ... Oktiabr'skaia revoliutsiia, rastsvet Uzbekskoi ... sticheskoi natsii i sblizhenie ee s natsiiami ... Tashkent, Gos. izd-vo Uzbekskoi SSR, 1962. ...

In the factories and fields of Uzbekistan. ... sots. otrakh. 6 no. 7:8-10 Jl '63.

UZBEKISTAN—ECONOMIC POLICY

The national economy should develop harmo... khoz. Uzb. 5 no. 9:11-16 S '63.

UZBEKISTAN—FARM MANAGEMENT

For a flexible and cheap administrative ... collective and state farms. Nar. khoz. Uzb. ... 10 S '63.

UZBEKISTAN—FEEDS

Develop flour and feeds as well as the ... industries. Z. TSunts, I. Postolov. Nar. ... no. 9:50-53 S '63.

UZBEKISTAN—FEEDS—ECONOMIC ASPECTS

The feed productivity of land is the criterion. ... khonov, A. Lazur'evskaia. Nar. khoz. Uzb. ... 40 S '63.

UZBEKISTAN—FLOUR

Develop flour and feeds as well as the combined feeds industries. Z. TSunts, I. Postolov. Nar. khoz. Uzb. 5 [illegible] 50-53 S '63

UZBEKISTAN—GEOLOGY, STRUCTURAL

Some characteristics of the recent tectonics of the Bukhara-Karshi system of structures. O. A. Ryzhkov. Uzb. geol. zhur. 7 no. 4 44-46 '63.

UZBEKISTAN—GRAPES—DISEASES AND PESTS

Ascigerous stage of Uncinula necator. Burr. U. U. Rasulov. Zashch. rast. ot vred. i bol. 8 no. 8:29-30 Ag '63.

UZBEKISTAN—HEALTH RESORTS, WATERING PLACES, ETC.

Promoting man's health. V. Talbushevich, R. Sagatov. Nar. khoz. Uzb. 5 no. 9 77-79 S '63.

UZBEKISTAN—INDUSTRIAL HYGIENE

Raising the quality of production. A. Bratilov. Okhr. truda i sots. strakh. 6 no. 7 11 Jl '63.

UZBEKISTAN—INDUSTRIES

The national economy should develop harmoniously. Nar. khoz. Uzb. 5 no. 9:11-16 S '63

UZBEKISTAN—LAND TENURE

"Agrarian policy of the Soviet regime in Uzbekistan, 1917-1920" by R. Kh. Aminova. Reviewed by A. I. Zevelev. Vop. ist. 38 no. 9:103-105 S '63.

UZBEKISTAN—MEAT

The feed productivity of land is the criterion. [A. Tikhonov, A. Lazurevskaia. Nar. khoz. Uzb. 5 no. 9:16-19 S '63.

UZBEKISTAN—METAL INDUSTRIES

Socialist property is sacred and inviolable. A. Gotgilf, P. Kim. Nar. khoz. Uzb. 5 no. 9 75-76 S '63

UZBEKISTAN—MILDEW

Ascigerous stage of Uncinula necator. Burr. U. U. Rasulov. Zashch. rast. ot vred. i bol. 8 no. 8:29-30 Ag '63.

UZBEKISTAN—NATIONALITIES

Akhushukurov, R. Kh. [The October Revolution, the prosperity of the Uzbek socialist nation, and its rapprochement with the other nations of the U. S. S. R.] Oktiabr'skaia revoliutsiia, rastsvet Uzbekskoi sotsialisticheskoi natsii i sblizhenie ee s natsiiami SSSR. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1962. 726 p.

UZBEKISTAN—OIL SANDS

Reservoir properties of terrigenous sediments of the Cretaceous of the Southern Mubarek structure. Z. S. Ibragimov, S. P. Korsakov. Uzb. geol. zhur. 7 no. 4: 39-43 '63.

UZBEKISTAN—PETROLEUM

Physicochemical properties of oxidized bitumens from South Uzbekistan oil. P. P. Dmitriev, D. Mattiakubov. Uzb. khim. zhur. 7 no. 4 71-78 '63.

UZBEKISTAN—PETROLEUM PIPELINES—TECHNOLOGICAL INNOVATIONS

Wonderful petroleum pipelining. A. Bronshtein. Nar. khoz. Uzb. 5 no. 9:56-58 S '63.

UZBEKISTAN—PLANTS, PROTECTION OF

Organization of work as the main factor. Z. M. Tkacheva. Zashch. rast. ot vred. i bol. 8 no. 9:3-4 S '63.

UZBEKISTAN—PUBLIC HEALTH—BIBLIOGRAPHY

Uzbek S. S. R. Ministerstvo zdravookhraneniia. Gosudarstvennaia nauchno-meditsinskaia biblioteka. [Public health in Soviet Uzbekistan; bibliographic index of literature from 1917 to 1959] Zdravookhranenie Sovetskogo Uzbekistana; bibliograficheskii ukazatel' literatury, 1917-1959. Sost. K. G. Shishova. Tashkent, 1961. 213 p.

UZBEKISTAN—RESTAURANTS, LUNCHROOMS, ETC.

Expansion of the restaurant network is a decisive factor. T. Takhirova. Obshchestv. pit. no. 8:3-5 Ag '62.

UZBEKISTAN—RETAIL TRADE

Unused possibilities. N. Supotnitskii. Sov. potreb. koop. 7 no. 9:19-22 S '63.

UZBEKISTAN—ROADS—MAINTENANCE AND REPAIR

Territorial road-maintenance sections. M. D. Krutsyk. Avt. dor. 26 no. 9:3-4 S '63.

UZBEKISTAN—SMALLPOX

Study of immunity to smallpox vaccine in Uzbekistan; state of immunity to smallpox vaccine following the Great Patriotic War. V. G. Baglikova, S. G. Ostrovskaia, S. I. Nesmelianova. Trudy TashNIIVS 5:37-46 '62.

UZBEKISTAN—SOCIAL CONDITIONS

Trip through Soviet Asia. Moses Mabida, Mahendra Sen. Vsem. prof. dvizh. no. 9 24-25 S '63.

UZBEKISTAN—SOCIALIST COMPETITION

In the factories and fields of Uzbekistan. Okhr. truda i sots. strakh. 6 no. 7 8-10 Jl '63

UZBEKISTAN—SOVIETS

We should help and advise the new deputies of the soviets. I. Tokhtakhodzhaeva. Sov. deput. trud. no 6:39-45 Je '63

UZBEKISTAN—TICKS—EXTERMINATION

Ixodid tick control. U. IA. Uzakov. Veterinariia 39 no. 9:68-70 S '62.

UZBEKS—CRANIOLOGY

The craniological characteristics of Uzbeks. V. V. Ginzburg. Trudy Inst. etn. 62,96-121 '63.

UZHGOROD—CRIME PREVENTION

Effective form of crime prevention. IU Bulatenko. I. Lendiel. Rad. pravo no. 3,114-115 My-Je '63

VACATIONS, EMPLOYEES

Ways of vacation assignments. N. Efremova. Okhr truda i sots. strakh. 6 no. 7:29-31 Jl '63.

VACCINATION

Apparatus for using automatic control in the continuous innoculation of animals. B. K. Baikov, V. I. Shul'gin. Pred. dop. kontsent. atmosf. zagr. no. 7,99-104 '63.

Experimental study on polyvalent anaerobic toxoids. Part 1. Study of the immunological effectiveness of octatoxoid in late revaccination [with summary in English]. G. V. Vygodchikov and others. Zhur. mikrobiol., epid. i immun. 40 no. 1 127-132 '63

Study of immunity to smallpox vaccine in Uzbekistan; state of immunity to smallpox vaccine following the Great Patriotic War. V. G. Baglikova, S. G. Ostrovskaia, S. I. Nesmelianova. Trudy TashNIIVS 5 37-46 '62.

VACCINES

Biological characteristics of a vaccine strain of the pappataci fever virus passaged through the organism of a sand fly. E. V. Finogenova. Trudy TashNIIVS 5:28-36 '62.

Evaluation of the virulence and immunogenicity of Salmonella and Shigella vaccine strains by determination of the median dose (50%). E. N. Melikova, I. G. Vasil'eva. Zhur. mikrobiol., epid. i immun. 40 no. 1 92-98 '63.

Possibility of using the brain of a ram for the preparation of an antirabic vaccine. Report No. 1. S. S. Maksumov. Trudy TashNIIVS 5,15-19 '62.

Use of the hemagglutination inhibition reaction for the study of the immunogenic characteristics of formalized vaccines against tick-borne encephalitis. D. K. L'vov, V. A. Zaklinskaia. Vop. virus. 8 no. 3:360-361 My-Je '63.

VACCINIA

Preparation of interferon from chicken fibroblast cultures treated with inactivated smallpox vaccine [with summary in English]. O. N. Peterson, Li IUi [Li Yi]. Vop virus. 8 no. 3:279-281 My-Je '63.

VACUUM APPARATUS

Akishin, A. I. [Ion bombardment in a vacuum] Ionnaia bombardirovka v vakuume. Moskva, Gosenergoizdat, 1963. 143 p.

Shumskii, K. P. [Vacuum apparatus and control instruments in chemical machinery manufacture] Vakuumnye apparaty i pribory khimicheskogo mashinostroeniia. Moskva, Mashgiz, 1963. 556 p.

Standard coiled continuous vacuum apparatus. A. IA. Chernoivannik. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 9'64-69 '63.

VACUUM METALLURGY

Conference on smelting in vacuum arc and induction furnaces. A. A. Veitman. Izv. AN SSSR, Otd. tekh. nauk. Met. i gor. delo no. 2:173-174 Mr-Ap '63.

Desulfuration of ball-bearing steel in a vacuum induction furnace. B. V. Linchevskii. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 2:28-32 Mr-Ap '63.

Effect of vacuuming on the composition and properties of cast copper. V. L. Ziazev, I. N. Tanutrov. TSvet. met. 36 no. 5,30-34 My '63.

Properties of vacuum-refined ShKh15 steel. K. A. Radiukin, V. Z. TSeitlin. Metalloved. i term. obr. met. no. 10:9-12 O '63.

Space metallurgy. E. Iodko. Znan.-sila 38 no. 7:27 Jl '63.

Vacuum treatment of steel in the ladle with blowing by inert gases. N. M. Chuiko, V. B. Rutkovskii. Metallurg 8 no. 8:19-22 Ag '63.

VACUUM TECHNOLOGY

Automatic equipment for vacuuming mold cavities for die casting. A. B. Ainbinder, A. T. Eremenko, V. S. Mel'nikov. Lit. proizv. no. 8:7-8 Ag '63.

Die casting with the use of vacuum. A. IA. Ioffe. Lit. proizv. no. 8:2-3 Ag '63.

Effect of vacuuming mold cavities on the properties of die cast castings. R. M. Kallish. Lit. proizv. no. 8:14-16 Ag '63.

VAGINA—ABNORMITIES AND DEFORMITIES

Colpopoiesis in congenital aplasia of the vagina by transplanting the peritoneum of the rudimentary formation. I. D. Arist. Akush. i gin. no. 2 88-91 '63.

VAGINA—BLOOD SUPPLY

Blood vessels of the vagina from the viewpoint of aging. V. A. Gevorkian. Eksper. khir. i anest. no 1:27-31 '63

VAGINA—FOREIGN BODIES

Foreign bodies in the vagina in girls. E. N. Turanova. Akush. i gin. no. 2,136-139 '63.

VAGINA—TUMORS

Myoma of the vagina. S. N. Kheifets. Akush. i gin. no. 2:133-134 '63.

VAGINAL SMEARS

Effect of androgens on the cytological picture of vaginal smears. M. G. Arsen'eva. Akush. i gin. no. 2 72-76 '63.

Fluorescence-morphological method of examination in the diagnosis of uterine cancer [with summary in English]. B. I. Zheleznov. Akush. i gin. no. 2 76-80 '63.

VAGUS NERVE

Distribution of myelinated fibers in the stem of the vagus nerve and its branches in the postfetal life in man. R. M. Petrova. Vop. morf. perif. nerv. sist. no. 6:171-183 '63.

VALGA—BAKERIES—MANAGEMENT

Economic bureau in a bread plant. S. Timokhin. Sov. potreb. koop. 7 no. 7 18-19 Jl '63.

VALINE—PHYSIOLOGICAL EFFECT

Effect of valine on the biosynthesis of aurantin [with summary in English]. M. V. Nefelova. Antibiotiki 7 no. 7, 617-622 Jl '62.

VALKI DISTRICT—JUSTICE, ADMINISTRATION OF

Work of a standing committee of socialist legality. O. Novak. Rad. pravo no. 3 35-36 My-Je '63.

VALUE

Mendel'son, A. S. [Value and price; a theoretical study] Stoimost' i tsena, teoreticheskii ocherk. Moskva, Ekonomizdat, 1963. 118 p.

VALVES

Packing materials for shut-off valve insert on oxygen cylinders. E. V. Gekker. Svar. proizv. no. 9:26-27 S '63.

VALVES—TESTING

Performance of the rubber and metal valves. L. F. Shurgal'skii. Kauch. i rez. 22 no. 8 14-18 Ag '63.

VAN ALLEN RADIATION BELTS

Electrons with more than 1600 Kev of energy in the earth's radiation belts. A. I. Ershkovich. Izv. AN SSSR. Ser. geofiz. no. 9 1457-1461 S '63.

VANADIUM CATALYSTS

Illarionov, V. V., and E. V. Gerburt, eds. [Vanadium catalysts for the manufacture of sulfuric acid by the contact process] Vanadievye katalizatory dlia kontaktnogo proizvodstva sernoi kisloty; sbornik statei. Moskva, Goskhimizdat, 1963. 73 p.

VANADIUM CHLORIDES

Interaction of vanadium trichloride with sodium, potassium, and rubidium chlorides. S. A. Shchukarev, I. L. Perfilova. Zhur. neorg. khim. 8 no. 9:2106-2108 S '63.

VANADIUM COMPOUNDS

Thiocyanate complexes of vanadium (III) in methanol [with summary in English]. A. M. Golub, R. A. Kostrova. Dop. AN URSR no. 8:1061-1064 '63.

VANADIUM SALTS

Application of the method of oscillographic polarography with sinusoidal voltage to the study of the processes of oxidation and reduction of vanadium on a mercury dropping electrode. V. I. Gorokhovskaia. Trudy KKHTI no. 30:185-192 '62.

VAPOR-LIQUID EQUILIBRIUM

Conditions for the formation of nitrides and the solubility of nitrogen in iron alloys with aluminum, titanium and vanadium. A. N. Morozov, V. F. Isaev, L. G. Korolev. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no. 4:141-144 Jl-Ag '63.

Methodology of determining pressure by inclusions in quartz. V. S. Polykovskii and others. Trudy MGRI 39:92-100 '63.

VAPOR PRESSURE

Vapor pressure and the dissociation of copper and bismuth sulfides. R. A. Isakova, V. N. Nesterov, A. S. Shendiapin. Trudy Inst. met. i obog. AN Kazakh. SSR 6 156-159 '63.

Zirconium tetrafluoride vapor pressure. N. P. Galkin and others. Zhur. neorg. khim. 8 no. 9:2021-2023 S '63.

VAPE[illegible] (BIOLOGY)
[illegible] project [illegible] of director, (Flower's [illegible] Tash.NIIVS 5 66-93 [illegible]
[illegible] Tash.NIIVS 5 94-100 '62
Variation in [illegible] of extracts prepared from the [illegible] of patients with acute dysentery, A. A. Abdu[illegible] Trudy Tash.NIIVS 5 101-104 '62

VARNISH AND VARNISHING
[illegible] Der. prom. 12 no. 11-12 S '63.
[illegible] Der. prom. 12 no. 8 10-13 Ag '63.
[illegible] Der. prom. 12 no. 9 6-7 Je '63.
[illegible] Der. prom. 12 no. 9 16-17 S '63.
[illegible] Der. prom. 12 no. 9 6-7 Je '63.
[illegible] Der. prom. 12 no. 6 19 Je '63.

VASIL'CHENKO, STEPAN VASIL'OVYCH, 1878-1932
[illegible] Ukrainian botanist. V. P. Olinyk. R. i bl. 7 no. 3 152-171 S-O '63.

VAVILOV, NIKOLAI IVANOVICH, 1887-1943
[illegible] botanist, agronomist, and traveler, [illegible] no. 2 25 S '63.

VECTORCARDIOGRAPHY
Vectorcardiographic indicators in hypertension [with summary in English] N. F. Dcincko Vrach. delo no. 7 41-47 Jl '63.

VEDRO, ADOLF JOHAN, 1890-1944
Tunson, H. Adolf Vedro. Tallinn, Eesti Riiklik Kirjastus 1963. 149 p. [In Estonian]

VEGETABLE GARDENING
(see also subdivision under Kiev, Moscow Province, Poltava Province)
Let us produce adequate amounts of potatoes and vegetables. Pert. i uzun' no. 11 28-29 O '63.
The SKB-6 seedling planting machine. A. P. Solomakhin. Mekh. sel'khoz. 14 no. 4 38 Ap '63.

VEGETABLE HYBRIDIZATION see Hybridization, Vegetable

VEGETABLE JUICES
Rapid method for the refractometric determination of native proteins in vegetable juices. A. S. Vecher, O. K. Vanil'kevich. Dokl. AN BSSR 7 no. 7 481-484 Jl '63.

VEGETABLES
Brezhnev, D. D. [Fresh vegetables in summer and winter] Svezhie ovoshchi letom i zimoi. Moskva, Sel'khozizdat, 1963. 117 p.

VENCLOVA, ANTANAS, 1906-
Coming from the people and going to the people. Z. Baltrėnas. Znanie 38 no. 9 204-209 S '63.

VENEERS AND VENEERING
(see also subdivision under Moscow)
Attachment to the TsPA machine for sawing veneer. G. M. Lipkin. Der. prom. 12 no. 10 20 O '63.
Mathematical method for determining the output of veneer sheets from birch raw material. V. N. Kurilov. Der. prom. 12 no. 10 9-10 O '63.
Protecting veneer raw material from cracking and decay. V. I. Kostomarov, S. I. Gurkova, F. I. Chunikova. Der. prom. 12 no. 10 21-23 O '63.
Size and direction of the bending of small-diameter blocks in peeling. V. I. Nikolaev. Der. prom. 12 no. 9 4 to 5 '63.

VENEREAL DISEASES
(see also subdivision under Leningrad)
Successes of soviet public health service in the control of skin and venereal diseases. A. A. Studnitsyn. Med. sestra 22 no. 8 10-13 Ag '63.
Use of corticosteroids in infectious dermatoses and venereal diseases, a review. N. A. Ivanov. Vest. derm. i ven. 37 no. 2 56-60 F '63.

VENEREOLOGY
Review of the collection of scientific papers "Present problems of dermatology and venereology." V. P. Dolgov. Vest. derm. i ven. 37 no. 1 85-86 Ja '63.

VENEREOLOGY—CONGRESSES
"Transactions of the Fifth All-Union Congress of Dermatovenereologists." S. Arkhangel'skii. Vest. derm. i ven. 37 no. 1 85 Ja '63.

VENOM—PHYSIOLOGICAL EFFECT
Search of a method of obtaining anavenin of Echis for hyperimmunization of animals. A. S. Sadykov. Trudy Tash.NIIVS 5 149-158 '62.

VENTILATION—EQUIPMENT AND SUPPLIES
Pashkov, L. D. [Industrial methods for the installation of ventilation systems.] Industrial'nye metody ustroistva ventilatsionnykh sistem. Leningrad, Gosstroizdat, 1963. 126 p.
Ventilation systems of booths for industrial painting by the jet flow coating method. A. G. Shapoval'lants, N. A. Masliaev. Lakokras. mat. i ikh. prim. no. 4 66-68 '63.

VENUS (PLANET)
Konopleva, V. P. [Planet Venus.] Planeta Venera. Kiev, Izd-vo Akad. nauk USSR, 1963. 69 p. (Nauchno-populiarnaia literatura)

VENUS (PLANET)—SPECTRA
Presence of oxygen in the atmosphere of Venus [with summary in English] V. K. Prokof'ev, N. N. Petrova. Izv. Krym. astrofiz. obser. 29 3-14 '63.

VEPS UPLAND REGION—LANDFORMS—MAPS
Landform map of the Veps Upland and adjacent territories. Z. V. Dashkevich. Mat. kom. po land. kart. no. 1 17-25 '61.

VERDI, GIUSEPPE, 1813-1901—BIBLIOGRAPHY see Bibliography—Verdi, Giuseppe, 1813-1901

VERNADSKII, VLADIMIR IVANOVICH, 1863-1945
Geograficheskoe obshchestvo SSSR. [Materials on the Academic session devoted to the 100th anniversary of Academician V. I. Vernadskii's birth] Materialy k Nauchnoi sessii, posviashchennoi 100-letiiu so dnia rozhdeniia akademika V. I. Vernadskogo; soderzhanie dokladov. Leningrad, 1963. 59 p.
Vladimir Ivanovich Vernadskii; on the centenary of his birth. Radiokhimiia 5 no. 2 149-153 '63.

VERNALIZATION
Characteristics of the development of new forms of [illegible]om winter wheat. N. A. Toporina. Vest. [illegible]ki 8 no. 3 70-72 Mr '63.
[illegible]nsformation of hereditary winter varieties [illegible]arieties and vice versa. A. A. Avakian. [illegible]nauki 8 no. 3 13-19 Mr '63.
[illegible]n winter wheat sown in winter. V. P. [illegible] Vest. sel'khoz. nauki 8 no. 3 56-57 Mr [illegible]

[illegible]bdivision under Ul'yanovsk Province

[illegible]IRPLANES
[illegible]ane; stabilization and flying control. [illegible]sm 46 no. 9 62-67 S '63.

[illegible]DR NIKOLAEVICH
[illegible]nger Aleksandr Vertinskii; artist, [illegible] Pevets Aleksandr Vertinskii; [illegible]itor. [Leningrad, 1962?] 9 l.

[illegible]rout formation in the yellow vetch and their growth depending on the [illegible] N. Egorova. Biul. MOIP. Otd. biol. [illegible] '63.

VETCH—HARVESTING
[illegible] They harvested vetch and [illegible] [illegible]ch. O. V. Morenets, [illegible] Mekh. sel'khoz. [illegible] '63.

VETCHLING
Rhythm of seasonal sprout formation in [illegible] time and tuberous vetch and their growth [illegible] height of the cut. V. N. Egorova. Biul. [illegible] 68 no. 5 59-65 S-O '63.

VETERANS—EMPLOYMENT
[illegible] for the benefit of society. G. Ba[illegible] no. 11 19 N '63.

VETERINARY ANATOMY
Columnar cells of the cerebral epithelium [illegible] sh. E. Chkhartishvili. Trudy Gruz. [illegible] nauch.-issl. vet. nauch.-issl. inst. 12 15-20 '61.

VETERINARY EMBRYOLOGY
Comparative embryogenesis of the [illegible] animals. Sh. E. Chkhartishvili. Trudy Gruz. [illegible] zootekh.-vet. nauch.-issl. inst. [illegible]

VETERINARY HYGIENE
(see also subdivision under Volchikhinskii District)
"Veterinary sanitary specialists with higher [illegible] the technology of animal products." [illegible] V. P. Korzhavaev and I. A. P'[illegible] patents [illegible] view. Veterinariia 39 no. 11 84-86 N '62.

VETERINARY LABORATORIES not subdivided as Kiev

VETERINARY MATERIA MEDICA AND PHARMACY
(see also subdivision under Moscow Province, Stavropol Territory)
Chemical prevention of Hemosporidia infection in southern Kazakhstan. I. I. Kurdybaev, [illegible] nauki (Kazakh.) 6 no. 7 61-64 Jl '63.
Effect of intravenous injections of sodium [illegible] solutions on the morphological blood [illegible] horses. A. I. Darchiashvili. Trudy Gruz. [illegible] vet. nauch.-issl. inst. 12 137-145 '61.

VETERINARY MEDICINE
(see also subdivision under Buddhists, Kazakh [illegible] Novosibirsk Province; Siberia, Tambov Province)
Antibiotic therapy for young farm animals with [illegible] nellosis and colibacillosis. I. I. Kotenko. Vet. 39 no. 11 69-71 N '62.
Book reviews and bibliography. Veterinariia [illegible] 91-94 S '62.
Effectiveness of colimycin and mycerin in [illegible] nal diseases of calves and piglets. V. F. Kuz[illegible] others. Veterinariia 39 no. 11 67-68 N '62.
From the work experience of veterinarians [illegible] shunskiy State Poultry Farm. P. I. Gerasimov [illegible] narila 39 no. 8 11-14 S '62.
A glorious historical date. Veterinariia 39 no. 11 [illegible] N '62.
In the Ministry of Agriculture of the [illegible] narila 39 no. 11 88-89 N '62.
In the Soviet Union. Veterinariia 39 no. 11 [illegible] '62.
Information and brief news. Veterinariia [illegible] 96 S '62.
Russian veterinary medicine in the [illegible] M. G. Tarshis. Veterinariia 39 no. 11 [illegible]

VETERINARY MEDICINE—BIBLIOGRAPHY see Bibliography—Veterinary medicine

VETERINARY MEDICINE—TERMINOLOGY
Correct use of special terms and expressions [illegible] ture. F. K. Borisovich. Veterinariia 39 no. 11 [illegible] N '62.
Terms for indicating the relation of the number [illegible] animals to those susceptible and diseased. [illegible] Veterinariia 39 no. 11 14-15 N '62.

VETERINARY MICROBIOLOGY
Rapid method for detecting Salmonella in the [illegible] tissues of dead animals [with summary in [illegible] P. I. Pritulin. Veterinariia 39 no. 6 [illegible]

VETERINARY OBSTETRICS
Removal of the placenta in cows. S. P. Vinogra[illegible] Veterinariia 39 no. 11 69-61 N '62.

VETERINARY PHYSIOLOGY
Conference on some regularities in the individual [illegible] ment of farm animals. S. N. Bogolubskii. [illegible] biol. 56 no. 1 139-143 Jl-Ag '63.

VIBRATION
Forced vibrations of a system with n degrees of [illegible] F. F. Simakov. Izv. vys. ucheb. zav., mashinostr. [illegible] 123-131 '63.
Vibration of a body above the interface of two [illegible] V. S. Voitsenia. Prikl. mat. i mekh. 27 no. 5 [illegible] S-O '63.

VIBRATION—PHYSIOLOGICAL EFFECT

Andreeva-Galanina, E. TS., and V. G. Artamonova [Expertise on work capacity in vibration diseases] Ekspertiza trudosposobnosti pri vibratsionnoi bolezni. Leningrad, Medgiz, 1963. 177 p. (Biblioteka prakticheskogo vracha)
(DNLM)

VIBRATION (MARINE ENGINEERING)

Development of A. N. Krylov's ideas in the field of ship vibration. V. S. Chuvikovskii, V. A. Postnov. Sudostroenie 29 no. 9:21-24 Ag '63.

Vibration of marine machine assemblies under the effect of noncoaxial shafts. V. S. Kravchenko. Sudostroenie 29 no. 8:54-60 Ag '63.

VIBRATORS

Designing resonance vibratory machines with nonlinear (nonsymmetrical) resilient couplings, taking into account the starting conditions. B. I. Kriukov, I. F. Goncharevich. Mekh. i avtom. v gor. prom. no. 3 231-242 '63.

Means of increasing the transportation speed and the coefficient of efficiency of vibration conveyors having a mechanical vibrator with direct action. E. U. Zharikov. Trudy NPI 136:125-131 '63.

VIDEO TAPE RECORDERS AND RECORDING

Noise and impurities of magnetic tapes and ways for their control [with summary in English] J. Carles. Tekh. kino i televid. 7 no. 9 21-24 S '63.

VIETNAM, NORTH—ART INDUSTRIES

Wonderland. O. Popova. Mest. prom. i khud. promys. 4 no. 4:34-35 Ap '63.

VIETNAM, NORTH—COURTS

Judicial system of the Democratic Republic of Vietnam. V. Lesnoi. Sov. just. no. 17:21-22 S '63.

VIETNAM, NORTH—FORESTS AND FORESTRY

In the forests of the democratic Vietnam. M. T. Lavrov. Les. khoz. 16 no. 8 89-93 Ag '63.

VIETNAM, NORTH—PLANT QUARANTINE

In the Democratic Republic of Vietnam. M. T. Lavrov. Zashch. rast. ot vred. i bol. 8 no. 4:50-52 Ap '63.

VIETNAM, SOUTH—FOREIGN RELATIONS—UNITED STATES

Puppet regimes as a support of the United States in Asia; South Vietnam. T. Khalin. Mezhdunar. zhizn' 10 no. 9 149-150 S '63.

VIETNAM, SOUTH—LABOR AND LABORING CLASSES

Main tasks of the workers of South Vietnam. Tran Hoai Nam. Vsem prof. dvizh. no. 9 21-23 S '63.

VIETNAM, SOUTH—MILITARY ASSISTANCE, AMERICAN

Executioners of freedom. O. Aleksandrovskii. Sov. voin. 45 no. 17:19 S '63.

VIETNAM, SOUTH—POLITICS AND GOVERNMENT

Convulsions of a doomed regime. F. Khalin. Mezhdunar. zhizn' 10 no. 10 117-118 O '63.

Light from the liberated districts [with English summary in insert]. I. Shcheglov. Av. i Afr. seg. no. 9:30-32 S '63.

Our commentaries. Nov. vrem. 21 no. 37:5 S '63.

VIETNAM, SOUTH—SOCIAL CONDITIONS

Light from the liberated districts [with English summary in insert]. I. Shcheglov. Av. i Afr. seg. no. 9:30-32 S '63.

VIKINGS

"The age of the vikings" [in English] by P. H. Sawyer. Reviewed by D. A. Avdusin. Vop. ist. 38 no. 9:163-165 S '63.

VILLA, FRANCISCO, 1877-1923

In the footsteps of Villa and Zapata. A. Pavlenko. Nov. vrem. 21 no. 38:25-26 S '63.

VILLAGES

Town meetings. V. Stepanov. Sov. deput. trud. no. 6: 91-92 Je '63.

VILYUCHINSKIY VOLCANO—GEOLOGY

Vilyuchinskiy Volcano in the Kamchatka Peninsula, some information on its geology. S. E. Apreikov. Biul. Vulk. sta. no. 34:41-47 '63.

VILYUY VALLEY—WHITEFISHES

Characteristics of the biology of the whitefish Coregonus peled (Gmelin) from lakes of the Vilyuy lowland. D. L. Verglinskii. Vop. ikht. 3 no. 3:477-480 '63.

VINNITSA—NURSES AND NURSING

They are from the 13th auditorium. G. Drobchak. Sov. Kras. krest 13 no. 2:15-16 Mr-Ap '63.

VINNITSA PROVINCE—CORN (MAIZE)

Corn in the crop rotations of the collective farms of Vinnitsa Province. V. K. Blazheva'kyi. Nauk. pratsi Ukr. nauk-doslid. inst. zem. 12:20-23 '62.

VINNITSA PROVINCE—CORNCOBS AS FEED

Mechanizing the processing of corncobs for cattle feeding. V. S. Kharchenko, M. IE. Okhmush. Mekh. sil'. hosp. 14 no. 4:23-25 Ap '63.

VINNITSA PROVINCE—PUBLIC PROSECUTORS

Disseminating and bringing into practice the progressive experience. S. Vyshneve'kyi. Rad. pravo no. 3:51-54 My-Je '63.

VINNITSA PROVINCE—TANKS

Reduction of discharge and storage losses of petroleum products. I. F. Shapovalov. Neftianik 8 no. 2:29-30 F '63.

VINYL ALCOHOL POLYMERS

Composition and structure of phosphoric acid esters of polyvinyl alcohol fibers. L. A. TSeitlina, A. I. Meos, L. A. Vol'f. Khim. volok. no. 5 23-25 '63.

Effect of thermal treatment on the properties of polyvinyl alcohol fibers. L. E. Utevskii, K. E. Perepelkin. Khim. volok. no. 5 19-22 '63.

Thermoplasticization stretching of polyvinyl alcohol fibers. G. N. Afanas'eva and others. Khim. volok. no. 5:16-19 '63.

VINYL COMPOUND POLYMERS

Economic aspect of the manufacture of polyvinyl chloride fibers. T. L. Bakumenko, V. F. Fikhman. Khim. volok. no. 5 69-71 '63.

VIRGIN TERRITORY—AFFORESTATION

Growing pine from seed on stony lands in the Virgin Territory. A. P. Unovidov. Les. khoz. 16 no. 3:28-32 Mr '63.

VIRGIN TERRITORY—BOOKSELLERS AND BOOKSELLING

A travel pass for life. B. Krasnov. Koop. Kazakh. 6 no. 3, 25-29 Je '63.

VIRGIN TERRITORY—JOURNALISM

Pulse of the Virgin Territory. M. Khurin. Sov. pech. no. 9:8-10 S '63.

VIRGIN TERRITORY—PINE

Growing pine from seed on stony lands in the Virgin Territory. A. P. Unovidov. Les. khoz. 16 no. 3:28-32 Mr '63.

VIRGIN TERRITORY—RESTAURANTS, LUNCHROOMS, ETC.

New development in the life of the virgin-land farmers. V. Kuntukhov. Koop. Kazakh. 6 no. 3:47-50 Je '63.

VIRGIN TERRITORY—SERVICE INDUSTRIES

New development in the life of the virgin-land farmers. V. Kuntukhov. Koop. Kazakh. 6 no. 3 47-50 Je '63.

VIRGIN TERRITORY—SHOE INDUSTRY

Origin of the "commodity fear." K. Mishin. Koop. Kazakh. 6 no. 3 18-20 Je '63.

VIRGIN TERRITORY—SOIL MOISTURE

Methods for accumulating moisture in the Virgin Territory. N. M. Bakaev. Zemledelie 25 no. 8, 51-61 Ag '63.

VIRGIN TERRITORY—STUDENT ACTIVITIES

The young technicians of the Virgin Territory. IA. Mustafin. IUn. tekh. 7 no. 9:44-45 Ag '63.

VIRGIN TERRITORY—WEED CONTROL

Herbicides in the Virgin Territory. P. P. Kolmakov, P. V. Shin. Zashch. rast. ot vred. i bol. 8 no. 4:18-19 Ap '63.

VIRGIN TERRITORY—WHEAT—VARIETIES

Controlled transformation of heredity in field crops in the Virgin Territory. V. P. Kuz'min. Vest. sel'khoz. nauki 8 no. 3:136-138 Mr '63.

VIROLOGY

Editors' notes. Vop. virus. 8 no. 3:375 My-Je '63.

VIROLOGY—ABSTRACTS

Abstracts of articles submitted to the editors. A. I. Spitsa and others. Vop. virus. 8 no. 3:367-372 My-Je '63.

VIRUS RESEARCH

Chemical purification of the foot-and-mouth disease virus by organic solvents. O. P. Silin and others. Visnyk sil'hosp. nauky 6 no. 9:104-107 S '63.

Comparative study of the effect of the new preparation dietetracycline and other antibiotics on the trachoma virus [with summary in English]. Z. V. Ermol'eva and others. Vop. virus. 8 no. 3:343-340 My-Je '63.

Diagnosis and differential diagnosis of influenza in children [with summary in English]. M. D. Sukhareva, N. M. Zlatkovskaia. Pediatriia 42 no. 1:32-37 Ja '63.

Isolation and study of the agent of benign lymphoreticulosis in man (cat scratch disease); preliminary report [with summary in English]. V. I. Chervonskii, I. I. Terskikh, A. IU. Bokleshova. Vop. virus. 8 no. 3:264-268 My-Je '63.

Immunogenesis of cystic lymphadenopathy in rats caused by Rous sarcoma virus. Report No. 1. V. S. Shapiro, T. D. Morgunova. Vop. virus. 8 no. 3:346-348 My-Je '63.

Quantitative regularities in the regulation of synthesis in the virus-cell system. A. IA. Raikhrud. Vop. virus. 8 no. 3:325-329 My-Je '63.

Simplified method for deriving clones from single cells of continuous cell strains. V. I. Gavrilov, R. G. Zmieva. Vop. virus. 8 no. 3 361-364 My-Je '63.

Study of infectious RNA formed in insects infected by the nuclear polyhedrosis virus [with summary in English]. S. M. Gershenzon and others. Vop. virus. 8 no. 3:337-343 My-Je '63.

Study of the reactivation of DNA- and RNA-containing viruses [with summary in English]. V. I. Chernos, IU. Z. Gendon. Vop. virus. 8 no. 3 268-275 My-Je '63.

VIRUSES

Experimental study of the antitumor action of some substances of natural origin [with summary in English]. Z. V. Ermol'eva and others. Antibiotiki 7 no. 7 571-581 Jl '62.

VISCERA

Determining the freshness of secondary meat products and their sanitary evaluation. P. S. Burtikashvili, A. G. Makharadze, E. S. Useinashvili. Sbor. trud. Gruz. zootekh.-vet. nauch.-issl. inst. 32 129-136 '61.

VISCERA—DISEASES

Functional diseases of the internal organs. V. E. Levi. Med. sestra 22 no. 9:7-12 S '63.

VISCOELASTICITY

Propagation of spherical waves in a viscoelastic medium. V. N. Kukudzhanov. Inzh. zhur. 3 no. 3 472-481 '63.

VISCOSE

Purification of waste waters from the production of viscose. S. N. Linevich. Trudy NPI 138:11-17 '63.

Retention of carbon disulfide, hydrogen sulfide and zinc in the purification by flotation of the waste waters of viscose production. A. L. Matsnev. Trudy NPI 138:19-25 '63.

Structural properties of viscose and their effect on the quality of cord fiber. V. A. Miagkov, E. A. Nikonova, E. A. Paksheer. Khim. volok. no. 5:35-39 '63.

VISCOSIMETER

Use of an ultrasonic viscosimeter to determine the viscosity of tar solutions used to chemically reinforce rocks. V. V. Davydov and others. Nauch. soob. IGD 20:122-126 '63.

VISCOSITY

Interaction of heat and hydrodynamic fields in a flow having varying viscosity. A. Sh. Asaturian, B. A. Tonkoshkurov, V. I. Chernikin. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 3:67-73 '61.

VISIBILITY see subdivision under Baltic Sea

VISIGOTHS see subdivision under Spain

VISION RESEARCH

Interchangeability of cortical representation of the right and left eye during work requiring great stress of the visual analyzer. A. A. Zubkov, G. G. Rud'. Zdravookhranenie 6 no. 2:38-41 Mr-Ap '63.

VISITORS, CANADIAN

Doctor R. W. Boyle, Canadian geochemist, visits the U. S. S. R. O. A. Bogatikov, I. D. Riabchikov. Izv. AN SSSR. Ser. geol. 28 no. 9:119-120 S '63.

VITAMIN THERAPY

Some recent data on the use of vitamins in dermatoses. A. A. Studnitsin, P. E. Maslov. Vest. derm. i ven. 37 no. 2:31-34 F '63.

Treatment of psoriasis with a complex of vitamins acting on hematopoiesis [with summary in English]. M. I. Lipskaia. Vest. derm. i ven. 37 no. 2, 34-36 F '63.

VITAMINS

Conference on the production of biomycin and vitamin concentrates. A. M. Makukhina. Spirt. prom. 29 no. 6:36-39 '63.

First experience in the production of biomycin-vitamin preparations for livestock breeding. IA. A. Nagornyi. Za indus. Riaz. no. 2:64-67 D '61.

Physiologically active substances of organic fertilizers. A. V. Manoryk, V. P. Vasyl'chenko, S. M. Malychenko. Visnyk sil'hosp. nauky 6 no. 9, 49-55 S '63.

Seventy years later. A. Alekseev. Nauka i zhizn' 30 no. 5:92-95 My '63.

VITAMINS—A

Vitamin A value of milk as related to cow feeding. IE. I. Hertsen. Visnyk sil'hosp. nauky 6 no. 9:93-98 S '63.

VITAMINS—C see Ascorbic acid

VITAMINS—D

On the effect of vitamin D_2 on the human sexual function [with summary in English]. L. I. Gokinaeva. Akush. i gin. no. 2:18-20 '63.

710 - 838 O - 64 - 23

VITAMIN —[illegible] Bibliography

VITEBSK—IRON AND STEEL WORKERS—EDUCATION AND TRAINING

[illegible] Sb [illegible]

VITE CULTURE

[illegible] Krasnodar Territory, Rostov Province)

[illegible] Komm. [illegible]

VITICULTURE—LIBLIOGRAPHY see Bibliography—Viticulture

VITICULTURE—LABOR PRODUCTIVITY see subdivision under Crimea

VITILIGO

Multivitamine therapy of disseminated forms of vitiligo, and algomelanoses and their results [with summary in English] I. N. Vinokurov, F. K. Reznikov, P. S. Chernova Vest. derm. i ven. 37 no. 1:42-45 Ja '63.

VIVIPARITY see subdivision under Trepela

VLADIMIR GOVERNMENT—HISTORY—SOURCES

Vladimir (Province) Otdelenie gosudarstvennyi arkhiv [Vladimir Government Home Guard in the Patriotic War of 1812] Vladimirskoe gubernskoe opolchenie v Otechestvennoi voine 1812 g.; dokumenty i materialy [Vladimir] Vladimirskoe knizhnoe izd-vo, 1963. 91 p.

VLADIMIR PROVINCE—DISTRIBUTIVE EDUCATION

[illegible] Sb. [illegible] prof. rasp. 7 no. 7:42-43 Jl '63.

VLADIMIR PROVINCE—LUMBERING

[illegible] Mechanized cleaning of cleanings. Iu. Belov. Les. prom. 41 no. 7:24 Jl '63.

Conveyor-chain scraper sets for production lines at the Ardrevesstroi Logging Camp. V. E. Sadykhan. Les. prom. 41 no. 7:6-7 Jl '63.

VLADIMIR PROVINCE—SOVIETS

How to strengthen the budgets of rural soviets. V. Demchenko. Sov. deputatov no. 9:39-41 S '63.

VLADIMIR-VOLYNSKIY, BATTLE OF, 1941

Platonov, V. V. [They received the attack first] Oni pervymi prinialí udar. Moskva, Voenizdat, 1963. 143 p. (Istoricheskie proshloe nashei Rodiny)

VLADIMIR-VOLYNSKIY DISTRICT—POTATO BEETLE—EXTERMINATION

Eliminating perennial foci of the Colorado beetle. N. P. Dibrivnyi, G. N. Zhigaev, I. V. Kovtun. Zashch. rast. ot vred. i bol. 8 no. 7:47 S '63.

VLADIVOSTOK—FURNITURE INDUSTRY

From work practices of the Vladivostok Furniture Factory. V. F. Pozdnyakov. Der. prom. 12 no. 4:22-23 Ap '63.

VOCATIONAL EDUCATION

(see also subdivision under Golitsyno, Moscow Province; Lithuania, Moscow)

Conference on the vocational and technical training of students. I. Kireenov. Sov. pedag. 27 no. 8:153-154 Ag '63.

For the rational organization of lessons. B. Uspenskii. Prof.-tekhn. obr. 20 no. 7:21 Jl '63.

Kagan, V. M., and M. P. Martynov. [Vocational instruction in a school and its connection with general subjects] Professional'noe obuchenie v shkole i ego sviaz' s obshcheobrazovatel'nymi predmetami, iz opyta raboty shkoly No. 187 Moskvy. Moskva, Uchpedgiz, 1963. 47 p.

[Labor education of the rising generation] Trudovoe vospitanie podrastaiushchego pokoleniia, [sbornik]. Moskva, Izd-vo Sovetskaia Rossiia, 1963. 197 p. (Bibliotechka "V pomoshch' sel'skomu klubnomu rabotniku" no. 8)

Let's raise the training of personnel to the level of new tasks. G. Zelenko. Prof.-tekh. obr. 20 no. 7:1-6 Jl '63.

Methodological commissions and sections in operation. I. Moskalev. Prof.-tekh. obr. 20 no. 7:28-29 Jl '63.

Methodology of the industrial training of turners. M. V. Gumerov. Shkola i proizv. 7 no. 9:42-47 S '63.

News from schools. Prof.-tekh. obr. 20 no. 7:32 Jl '63.

On the occasion of a seminar. Z. Koliadenko. Prof.-tekh. obr. 20 no. 7:27 Jl '63.

Statement of work for the production instruction of students. M. M. Zhidelev, I. S. Figurov. Shkola i proizv. 7 no. 9:37-42 S '63.

This is your younger comrade. V. Rozhkov. Prof.-tekh. obr. 20 no. 7:10-11 Jl '63.

We have to know the past in order to appreciate the future. Prof.-tekh. obr. 20 no. 7:8-9 Jl '63.

VOCATIONAL EDUCATION—AUDIO-VISUAL AIDS

We increase the productivity of educational work. G. Ushakov, Prof.-tekh. obr. 20 no. 7:22-23 Jl '63.

VOCATIONAL EDUCATION—RESEARCH see subdivision under Kirov Province

VOCATIONAL GUIDANCE

Educational interests and the choice of an occupation. I. O. Nevskyi. Rad. shk. 42 no. 5:22-25 My '63.

Paths that our children choose. G. Trofimovich. Semlia i shkola 18 no. 5:17-18 My '63.

System of vocational guidance for the eight-year school students. A. N. Volkovskii. Sov. pedag. 27 no. 8:79-87 Ag '63.

What can you do? D. Sokol'skii. IUn. tekh. 7 no. 8:46 Ag '63.

VOLCANIC ASH, TUFF, ETC. see subdivision under Tuva A.S.S.R.

VOLCANOES

(see also subdivision under Sikhote-Alin' Range)

Ocean water as a product of the volcanic activity. K. K. Zelenov. Biul. Vulk. sta. no. 34:51-55 '63.

Zavaritskii, A. N. [Selected works] Izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR. Vol. 4. 1963. 727 p.

VOLCHKI DISTRICT—VETERINARY HYGIENE

Our experience in animal husbandry. V. N. Emel'ianov. Veterinariia 39 no. 9:9-11 S '62.

VOLGA-BALTIC SEA WATERWAY

First ship for the Volga-Baltic Sea Waterway. P. Vyshkind. Rech. transp. 22 no. 9:10-11 S '63.

Photographic story on the Volga-Baltic Sea Waterway. A. Pozdnev. Rech. transp. 22 no. 9:40-42 S '63.

Volga-Baltic Sea Waterway. V. Korolev. Rech. transp. 22 no. 9:38-39 S '63.

VOLGA HYDROELECTRIC POWER STATION (LENIN)

Experience in the operation of the turbine equipment in the V. I. Lenin Volga Hydroelectric Power Station. E. P. Shtern. Energomashinostroenie 9 no. 10:24-27 O '63.

Krasil'nikov, G. A. [Oil and water cooling of the transformers of the V. I. Lenin Volga Hydroelectric Power Station] Masliano-vodianoe okhlazhdenie transformatorov Volzhskoi TES imeni V. I. Lenina. Moskva, Gos. energ. izd-vo, 1960. 46 p.

Venikov, V. A., and others. [Strong excitation control] Sil'noe regulirovanie vozbuzhdeniia. Moskva, Gosenergoizdat, 1963. 151 p.

VOLGA RESERVOIR—BREAM

Causes of a smaller catch of bream in the Moscow Sea. K. P. Prokhorova. Trudy VNIPRKH 8:259-262 '56.

VOLGA-URAL REGION—MAGNETIC PROSPECTING

Geological nature of magnetically disturbing masses in the eastern Volga-Ural oil-bearing region. M. A. Aizenberg. Prikl. geofiz. no. 37:129-134 '63.

VOLGA VALLEY—CLAY—ANALYSIS

Chemicomineralogical changes in Jurassic and Cretaceous clays of the middle Volga Valley as a result of their weathering. S. D. Voronkevich. Vest. Mosk. un. Ser. 4 Geol. 18 no. 4:69-71 Jl-Ag '63.

VOLGA VALLEY—GEOMORPHOLOGY

Basic characteristics of the morphostructure of the lower Volga Valley. A. TSygankov. Trudy VNIING no. 1:141-176 '62.

VOLGA VALLEY—TILLAGE

Effectiveness of planning fall-plowed fields in the trans-Volga steppe region. V. G. Uzun. Zemledelie 25 no. 8:37-41 Ag '63.

VOLGA VALLEY—WEATHERING

Chemicomineralogical changes in Jurassic and Cretaceous clays of the middle Volga Valley as a result of their weathering. S. D. Voronkevich. Vest. Mosk. un. Ser. 4 Geol. 18 no. 4:69-74 Jl-Ag '63.

VOLGA-VYATKA ECONOMIC REGION—CLOTHING INDUSTRY

Visiting session of the Scientific Council for the Light Industry at the Volga-Vyatka Economic Council. N. A. Timokhin, I. G. Barinov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:70-72 '63.

VOLGA-VYATKA ECONOMIC REGION—LEATHER INDUSTRY

Visiting session of the Scientific Council for the Light Industry at the Volga-Vyatka Economic Council. N. A. Timokhin, I. G. Barinov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:70-72 '63.

VOLGA-VYATKA ECONOMIC REGION—TRANSPORTATION

Organization of the operations of various types of transportation in the Volga-Vyatka Economic Region. E. E. Rubinchik. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 8:74-75 '63.

VOLGODONSK—MACHINERY [illegible]

Experience in using collective [illegible] Avt. transp. 41 no. 5:7-8 My '63.

VOLGOGRAD—AMATEUR THEATRICALS

Engineer Zhukov plays the [illegible] Ogonek 41 no. 21:15-16 My '63.

VOLGOGRAD—FISHERIES—[illegible]

Common sturgeon, starred sturgeon, salmon. Vanda Beletskaia. [illegible] My '63.

VOLGOGRAD—GAS APPLIANCES

Man is surrounded by attention. [illegible] truda i byta, strakh. 6 no. [illegible]

VOLGOGRAD—INDUSTRIAL HYGIENE

Man is surrounded by attention. [illegible] truda i byta, strakh. 6 no. [illegible]

VOLGOGRAD—LUBRICATION AND [illegible]

Results of field and laboratory [illegible] ilcating oil. L. S. Zelenetskii [illegible] MPS no. 6:217-135 '61.

VOLGOGRAD—PETROLEUM [illegible]

Industrial practice of oil production [illegible] skaya petroleum. B. V. Il'in, [illegible] Nefteper. i neftekhim. no. 1:[illegible]

VOLGOGRAD—THEATER

Engineer Zhukov plays the [illegible] Ogonek 41 no. 21:15-16 My '63.

VOLGOGRAD PROVINCE—GAS, [illegible]

Formation of oil and gas pools in the [illegible] of Volgograd Province. A. [illegible] VNIING no. 1:210-273 '62.

VOLGOGRAD PROVINCE—GEOLOGY [illegible]

Lithology and lithofacies of Jurassic [illegible] Volga Valley portion of Volgograd [illegible] Smirnov. Trudy VNIING no. 1:111-12[illegible]

Stratigraphic scheme of Permian [illegible] in the Volga Valley portion of Volgograd [illegible] A. V. Ilranov, O. B. Kotat, V. V. [illegible] VNIING no. 1:91-110 '62.

Stratigraphy and lithology of Cretaceous [illegible] Volgograd Province. A. S. Mikhin. Trudy VNIING no. 1:38-90 '62.

Stratigraphy of Devonian sediments in [illegible] swell and the Terekinskaya Depression [illegible] and others. Trudy VNIING no. 1:[illegible]

Tectonic pattern and regional [illegible] the Volga portion of Volgograd [illegible] Trudy VNIING no. 1:3-16 '62.

VOLGOGRAD PROVINCE—INDUSTRIAL TECHNICAL INNOVATIONS

Volgograd (Province) Obiasnenie [illegible] promyshlennosti. [Collection of [illegible] change of production and technology [illegible] enterprises of the Volgograd Province [illegible] of Local Industry] Sbornik po obmenu [illegible] tekhnicheskim opytom predpriiatii [illegible] Obmensipoma (mart 1962 g.). [Volgograd] [illegible] skoe knizhnoe izd-vo, 1962. 31 p.

[Microfilm]

VOLGOGRAD PROVINCE—OIL [illegible]

Paleozoic waters of Volgograd [illegible] and others. Trudy VNIING no. 1:[illegible]

VOLGOGRAD PROVINCE—OIL SANDS [illegible] PROPERTIES

Using large electric probes to study [illegible] ments of Volgograd Province. A. [illegible] Zalutskii. Trudy MINKHiGP no. 1:[illegible]

VOLGOGRAD PROVINCE—PETROLEUM [illegible]

Formation of oil and gas pools in the [illegible] of Volgograd Province. A. G. Gabrielyants [illegible] VNIING no. 1:248-273 '62.

Geochemistry of Lower and Middle [illegible] and bitumens in the deposits of Volgograd [illegible] R. A. Tverdova and others. Trudy [illegible] 247 '62.

VOLKOVYSK—EFFICIENCY, INDUSTRIAL

Labor sentry. A. Brul. Mest. prom. [illegible] no. 1:21 Ap '63.

VOLOGDA PROVINCE—FARM PRODUCE [illegible]

Molochnoye (Vologodskaya oblast') Vologodskii [illegible] nyi institut. [Scientific Conference on the [illegible] search work for the period from 1958 [illegible] konferentsiia po itogam nauchno-issledovatel'skikh raboty za 1958-1959 gg.; tezisy dokladov [illegible] Vologodskoe knizhnoe izd-vo, 1960. 1:4 [illegible]

[Microfilm]

VOLOGDA PROVINCE—LANDFORMS

Landform map of Vologda Province. O. N. Sokolova, N. N. Pavlova, Z. V. Dushkevich. Mat. [illegible] no. 1:10-16 '61.

VOLTAGE REGULATORS

Automatic voltage regulation in the feed centers of power distribution networks. I. N. Aleksandrov, V. G. Pekelis. Elek. sta. 34 no. 9 31-34 S '63.

Investigating the balancing process in an automatic rectangular-crossbar a.c. compensator. A. M. Melik-Shakhnazarov, T. M. Aliev, I. L. Shain. Za tekh. prog. 3 no. 9 1-5 S '63.

Nomographs for calculating voltage regulators having stabilizing tubes. A. I. Il'enkov. Izm. tekh. no. 5 38-40 My '63.

Transistor voltage stabilizer with a general minus lead. B. P. Silutanov. Izm. tekh. no. 5 37 My '63.

VOLTMETER

Using silicon voltage stabilizing tubes in rated voltage voltmeters. N. V. Martynenko. Izm. tekh. no. 8 39-41 Ag '63.

Vakser, E. B. [Electronic d.c. voltmeters] Elektronnye vol'tmetry postoiannogo toka. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 103 p.

VOLUMETRIC APPARATUS

New volumenometer. N. A. Shipilin. Izm. tekh. no. 5 14-15 My '63.

VOLYN' PROVINCE—AGRICULTURAL IMPLEMENTS

Dissemination of the use of traction tillage implements on the farms in Volyn' in the early 20th century. M. P. Koval'skii. Mat. i dosl. z arkheol. Prikarp. i Vol. no. 4 92-105 '62.

VOLYN' PROVINCE—BRONZES

Metal buckles and ornaments from the upper stratum of an ancient site in the Zimna village, Volyn' Province. V. V. Aulikh. Mat. i dosl. z arkheol. Prikarp. i Vol. no. 4 92-105 '62.

VOLYN' PROVINCE—CORN (MAIZE)—FERTILIZERS AND MANURES

Effect of fertilizers on the yield of corn in Volyn' Province. Kh. S. Spivak. Nauk. pratsi Ukr. nauk.-dosl. inst. zem. 12 105-107 '62.

VOLYN' PROVINCE—POTTERY, SLAVIC

New Slavic and early Russian monuments on the territory of Volyn'. P. S. Bahrii. Mat. i dosl. z arkheol. Prikarp. i Vol. no. 4 120-130 '62.

VOLYNSKII, NIKOLAI VLADIMIROVICH

Communication protects the expert. P. Faingersh. Sov. torg. 45 no. 15-34 Ag '63.

VOLYNS'KYI, PETRO KOSTIANTYNOVYCH, 1803-

P. K. Volyns'kyi's 70th birthday. P. I. Orlyk. Rad. lit. 7 no. 3 156-157 My-Je '63.

VOLZHSK REGION—CHEMICAL PLANTS

The giant near Volzhsk City. P. Filiutovich. Agitator no. 20 50-52 O '63.

VORONEZH—BOOK INDUSTRIES—ACCOUNTING

Badly and not on time. A. A. Pishchura. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 7 19 Jl '63.

VORONEZH—RUBBER INDUSTRY WORKERS—DISEASES AND HYGIENE

Sanitary conditions of work in the shops of the Voronezh Synthetic Rubber Plant. S. I. Zazymkin. Kauch. i rez. 22 no. 6 50-52 Ag '63.

VORONEZH PROVINCE—AGRICULTURE—STUDY AND TEACHING

Our personnel consists of school graduates. V. M. Panomarev. Shkola i proizv. 7 no. 9 20-21 S '63.

VORONEZH PROVINCE—DAIRYING—EQUIPMENT AND SUPPLIES

The "herringbone" arrangement for milking parlors of the Voronezh Economic Council. K. Skriabin. Tekh. v sel'khoz. 23 no. 3 78 Mr '63.

VORONEZH PROVINCE—EDUCATION, PRESCHOOL

In Voronezh Province. L. Muzhelevskaia. Doshk. vosp. 25 no. 8 13-16 Ag '63.

VORONTSOVKA REGION (KRASNODAR TERRITORY)—CAVES

Vorontsovka karst cave. B. L. Solov'ev. Nov. kar. i spel. no. 3 57-61 '63.

VORONTSOVKA REGION (KRASNODAR TERRITORY)—KARST

Vorontsovka karst cave. B. L. Solov'ev. Nov. kar. i spel. no. 3 57-61 '63.

VOROSHILOVGRAD see Lugansk

VOROSHILOVGRAD PROVINCE see Lugansk Province

VOVCHEK, VLADIMIR ANTONOVICH, 1906-1963

Vladimir Antonovich Vovchek; obituary. Geod. i kart. no. 9 72-73 S '63.

VOYAGES AND TRAVELS

Glushchenko, I. E. [Countries, meetings, scientists, notes of a biologist] Strany, vstrechi, uchenye, zapiski biologa. Moskva, Izd-vo Akad. nauk SSSR, 1963. 447 p.

VUL, BENTSION MOISEEVICH, 1903-

B. M. Vul; on his 60th birthday and 35th anniversary of his scientific work. N. P. Bogoroditskii and others. Elektrichestvo no. 8 95 Ag '63.

VULCANIZATION

Behavior in the stretching of natural rubber vulcanizates with p-tert-butyldimethylolphenol [with summary in English]. V. A. Shershnev, L. V. Ginzburg, B. A. Dogadkin. Koll. zhur. 25 no. 5 626-627 S-O '63.

Dielectric properties of unfilled vulcanizates of various structures [with summary in English]. B. A. Dogadkin and others. Koll. zhur. 25 no. 5 515-518 S-O '63.

Molecular sieves and problems of rubber vulcanization. G. A. Blokh and others. Izv. vys. ucheb. zav., tekh. leg. prom. no. 4 46-53 '63.

Radiation vulcanization of heterosiloxane rubber. S. V. Averianov and others. Kauch. i rez. 22 no. 6 1-8 Ag '63.

Vulcanization of chloroprene rubber with epoxy resins. N. D. Zakharov, G. A. Maiorov. Kauch. i rez. 22 no. 8 8-11 Ag '63.

Vulcanizing action of some derivatives of dithiocarbamic acid. A. E. Grinberg and others. Kauch. i rez. 22 no. 8 32-35 Ag '63.

VULCANIZATION—EQUIPMENT AND SUPPLIES

New system for cooling the press molds in the autoclave method of vulcanization. E. M. Aristov. Kauch. i rez. 22 no. 8 16-18 Ag '63.

Programming regulators for ebonite vulcanization. G. A. Openov, N. F. Shishkov. Kauch. i rez. 22 no. 8 46-49 Ag '63.

Studying the effect of the design features on the operative properties of the membranes of molder-vulcanizers. Z. M. Solov'eva. Kauch. i rez. 22 no. 8 40-46 Ag '63.

VYATKA UVAL—KARST

Data on the study of karst phenomena within the boundaries of the Vyatka Uval obtained in the summer of 1960. A. V. Stupishin. Nov. kar. i spel. no. 3 30-34 '63.

VYCHEGDA RIVER—RAFTS

Mechanization of winter rafting. Iu. Rentov. Les. prom. 40 no. 9 19-21 S '63.

VYSHNIY VOLOCHEK DISTRICT—SOVIETS

When we come to a meeting. N. Pokrovskaia. Sov. deput. trud. no. 9 33-37 S '63.

VYSHNEVYYE MOUNTAINS—ZIRCON

Typomorphism of zircon from alkali rocks in the Vyshnevyye and Il'men Mountains. E. B. Khalezova. Trudy Min. muz. no. 14 182-200 '63.

VYSHNIA, OSTAP, pseud. see Hubenko, Pavlo Mykhailovych, 1889-1956

VYTEGRA DISTRICT—FIRES AND FIRE PREVENTION—INSPECTION

Volunteer inspectors. K. Zaitseva. Pozh. delo 9 no. 9 5 S '63.

WADEITE see subdivision under Kola Peninsula

WAGE PAYMENT SYSTEMS

First experiment. A. Lisichenkov. Mest. prom. i khud. promys. 1 no. 1 22 Ap '63.

The theory and practice of wages during the building of communism. R. Batkaev. Plan. khoz. 40 no. 10 85-89 O '63.

WAGES

(see also subdivision under Great Br.)

An hourly-bonus wage system in experiment. I. Andrianov. Sots. trud. 8 no. 9 39-41

In the State Committe on Problems of Labor of the Council of Ministers of the U.S.S.R. All-Union Central Council of Trade Unions. 8 no. 7 141-145 Jl '63.

In the State Committee on Problems of Labor of the Council of Ministers of the U.S.S.R. Union Central Council of Trade Unions. no. 9 145-147 S '63.

Urzhinskii, K. P. [Procedure in the establishment of wage categories for workers and personnel in industrial practice (study) in enterprises] Poriadok ustanovleniia tarifnykh razriadov rabochim i sluzhashchim proizvodstvennuiu praktiku na predpriiatiiakh. Moskva, Gosiurizdat (Iuridicheskie konsul'tatsii dlia nasele-niia, 1 otvetakh)

WAGES—AUTOMOBILE INDUSTRY WORKERS

Using electronic computers in analyzing vehicle and tractor plants. V. V. Lukin. Avt. prom. 29 no. 10 2-4 O '63.

WAGES—BAKERS

Response to P. A. Plavskii's letter "Transfer to the hourly bonus wage system." V. Muravlev and others. Khleb. i kond. prom. 7 no. 9 10-11 S '63.

WAGES—CHEMICAL WORKERS

For the efficient utilization of wage systems in the chemical industry. M. Naumenko, N. Dolektorskii. Sots. trud. 8 no. 7 127-130 Jl '63.

WAGES—CLOTHING WORKERS

Material stimulation of the manufacture of new articles. N. Shelnastin. Sots. trud. 8 no. 7 133-139 Jl '63.

WAGES—CONSTRUCTION WORKERS

Give more attention to introducing and improving a material incentive system. Ekon. stroi. no. 10 3-6 O '63.

New principles of planning wage funds and improving wage methods. B. Ionas, I. Al'tshuller, N. Fomichev. Ekon. stroi. no. 10 65-66 O '63.

Piecework-bonus wage system for construction workers. Iu. Pak. Ekon. stroi. no. 10 7-12 O '63.

Problems of material encouragement of construction workers. Ekon. stroi. no. 9 54-55 S '63.

Procedure for paying wages and issuing bonuses to individual categories of workers in construction. Ekon. stroi. no. 10 69-71 O '63.

Using the piecework-bonus wage system for construction workers. V. Klarin, P. Silov. Ekon. stroi. no. 10 58-65 O '63.

We are discussing the problems of the material incentives of construction workers. Ekon. stroi. no. 10 17-58 O '63.

WAGES—GRAIN TRADE

Wages for workers in the enterprises and organizations of the grain trade system. A. Chudakov. Sots. trud. 8 no. 9 139-142 S '63.

WAGES—LUMBERING

Changes in the regulations on the bonus system. M. M. Borodin. Les. khoz. 16 no. 9 66-67 My '63.

Funds for material stimulation of lumbermen. A. L. Lurie. Les. prom. 11 no. 8 25-27 Ag '63.

New system for rewarding loggers. Iu. Pak, K. Ippolitov. Les. prom. 11 no. 8 9-10 Ag '63.

WAGES—LUMBERMEN

New development in issuing bonuses to lumbering industry workers. K. Ippolitov. Sots. trud. 8 no. 7 120-126 Jl '63.

WAGES—MINERS

Bergauz, L. A. [Guide for workers employed in underground operations of ferrous metallurgy enterprises] Pamiatka dlia rabochikh, zantatykh na podzemnykh rabotakh predpriiatii chernoi metallurgii. Moskva, Gosgortekhizdat, 1962. 203 p. (Organizatsiia i oplata truda)

WAGES—OIL INDUSTRIES

Need for an amendment of the present wage system for maintenance and repair workers. I. Sh. Siganov. Mash.-zhir. prom. 29 no. 9 34-35 S '63.

WAGES—PETROLEUM WORKERS

Mashinskii, I. A., and V. I. Sopin. [Technical standards and wages in petroleum refinery and petroleum chemical plants] Tekhnicheskoe normirovanie i zarabotnaia plata na neftepererabatyvaiushchikh i neftekhimicheskikh predpriiatiiakh, spravochnaia kniga 2, dop. i perer. izd. Moskva, Gostoptekhizdat, 1963. 232 p.

WAGES—RAILROADS

"Wages of railroad workers" by A. F. Kachalkin. Reviewed by Iu. M. Basov, M. I. Chedeeva. Zhel. dor. transp. 45 no. 5 93-95 My '63.

WAGES—RUBBER INDUSTRY WORKERS

WALLS

Thermotechnical properties of single-layer ceramic panels. P. P. Borin, R. F. Birling, V. R. Khlevchak. Stroi. mat. 9 no. 9 27-29 S '63.

WALLS—THERMAL PROPERTIES

Insulating properties of exterior walls of large-panel buildings. V. Kamenskii. Zhil. stroi. no. 6 23-25 '63.

WALNUT

Effect of the seed position in soil on the formation of the root system and stem of walnut seedlings [with summary in English]. I. M. Ivanko. Bot. zhur. 48 no. 8 1121-1130 Ag '63.

WAR—ECONOMIC ASPECTS see subdivision under France, Korea, South

WAR AND COMMUNISM

The main problem of the 20th century. A. Ermonskii, D. Melnikov, and V. Talenskii. Mezhdunar. zhizn' 10 no. 6 10-20 S '63.

A profession of adventurism and fatalism. Sovremennik. Nov. vrem. 21 no. 37 3-5 S '63.

WAR AND RELIGION

Onyshchenko, O. S. [Christian bell ringers of atomic war] Khrystyans'ki dzvonari atomnoi viiny. Kyiv, Derzhpolitvydav URSR, 1963. 38 p.

WAR AND SOCIALISM

Russia (1923- U.S.S.R.) [Declaration of the Soviet government] Zaiavlenie Sovetskogo pravitel'stva. Moskva, Politizdat, 1963. 63 p. ["Pravda," September 21-22, 1963]

The imperialists of our times. I.U. Popov. Part. zhizn' no. 18 21-27 O '63.

The revolutionary process and peaceful coexistence. A. Bovin. Nov. vrem. 21 no. 42:5-8 O '63

WAR CRIMES see subdivision under Germany

WAR POETRY

Right to inspiration. A. Makarov. Znamia 33 no. 9 188-193 S '63.

WAREHOUSES

Overhead storage facilities with the use of push conveyors. M. A. Rikman. Mekh. i avtom. proizv. 17 no. 8 35-39 Ag '63.

Savings potentials in the warehouse supply of the national economy. A. Agre. Plan. khoz. 40 no. 10 45-50 O '63.

WAREHOUSES—STANDARDS

Standardizing storehouses of ore preparation enterprises of ferrous metallurgy. V. S. Terekhov, S. I. Naimark. Prom. stroi. 40 [i. e. 41] no. 6 12-16 Je '63.

WARPING MACHINES

Calculating yarn warping for machines with a Sh-608 bobbin holder. G. I. Arish. Tekst. prom. 23 no. 9 62-65 S '63.

WARSAW PACT, 1955

A nonaggression pact will be an important step toward relaxation of tension. G. Tunkin. Mezhdunar. zhizn' 10 no. 10 11-13 O '63.

WARSHIPS see subdivision under United States

WART-HOG DISEASE see African swine fever

WASHING MACHINES—REPAIRING

First aid to a washing machine. D. Lepaev. Nauka i zhizn' 30 no. 9 106-108 S '63.

WASTE, DISPOSAL OF see Industrial wastes

WASTE PRODUCTS

[illegible] AS CARRIERS OF DISEASES

[illegible]ds in the infestation of domestic ducks by [illegible]. A. Kotel'nikov. Veterinariia 39 no. 9:[illegible]

[illegible] water hammer in pipelines. R. E. [illegible] N. Arm. SSR. Ser. tekh. nauk 16 no. 4:70-[illegible]

[illegible]cness of general automatic control [illegible]er-heating boilers operating on gas, [illegible]tomatiz. otop. kot. no. 3:158-164 '63.

[illegible]ODY

[illegible]ges in extracellular water in the course [illegible]ness. Stanislav Kostmider, Edmund [illegible]ad. no. 1, 54-58 '63

[illegible]ISM

[illegible] [Physiology of the water-salt metabolism] Fiziologiia vodno-solevogo obmena. Leningrad, Medgiz, 1963. 310 p.

WATER—COMPOSITION see subdivision under Polesye

WATER—DENSITY

Anomaly of the ρ - T-diagram for water in the low temperature range. V. V. Sychev. Inzh.-fiz. zhur. 6 no. 8 116-117 Ag '63.

WATER—LAWS AND LEGISLATION

Koretskii, V. I. [Structure and content of the water rights codes of the Union Republics] O strukture i soderzhanii respublikanskikh vodnykh kodeksov. Dushanbe, Tadzhikskii gos. univ., 1962. 48 p.

WATER—MICROBIOLOGY see subdivision under Dnieper Valley,

WATER—PURIFICATION

Antibacterial properties of silver-treated water obtained by means of an ionizer. S. S. Diachenko, V. IA. Pochinok, E. P. Podrushniak. Vrach. delo no. 7 109-113 Jl '63.

Zel'dovich, R. N. [Manual on technical and economic estimations in selecting water-treating methods] Posobie po tekhniko-ekonomicheskim raschetam pri vybore metodov ochistki vody. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 85 p.

WATER—THERMAL PROPERTIES

Experimental study of the enthalpy of water and steam at temperatures up to 300° C and pressures up to 500 kg./cm^2. A. E. Sheindlin and others. Teploenergetika 10 no. 9 76-80 S '63.

Experimental study of the heat capacity c_v of water and water vapor at supercritical parameters of state. Kh. I. Amirkhanov, A. M. Kerimov. Teploenergetika 10 no. 9 61-66 S '63.

Experimental study of the heat capacity of water at high temperatures. A. M. Sirota, B. K. Malitsev, A. IA. Grishkov. Teploenergetika 10 no. 9:57-60 S '63.

Experimental study of the heat transmission coefficient of water vapor at temperatures up to 650° C and pressures 1,500 kg/cm^2. Teploenergetika 10 no. 9 71-76 S '63.

Experimental study of the specific volume of water at temperatures ranging from 374.15 to 500° C and pressures up to 600 kg./cm^2. Teploenergetika 10 no. 9: 66-71 S '63.

WATER, UNDERGROUND

(see also subdivision under Gazli region; Karakata Depression, Soviet Central Asia; Western Dvina Valley)

Lebedev, A. V. [Methods for studying the balance of ground waters] Metody izucheniia balansa gruntovykh vod. Moskva, Gosgeoltekhizdat, 1963. 191 p.

Possibility of the study of the submarine discharge of karstic waters by electric logging. I. A. Brashnina. Nov. kar. i spel. no. 3, 62-65 '63.

Similarity between underground and surficial river streams. M. Sheiban, I. Fiman. Nov. kar. i spel. no. 3 80-81 '63.

Using a curve of ground water level fluctuations in determining insufficient saturation of rocks at points of equal infiltration feed. P. A. Kiselev. Dokl. AN BSSR 7 no. 6 401-404 Je '63.

WATER, UNDERGROUND—ANALYSIS see subdivision under Lovozero Tundras

WATER, UNDERGROUND—COMPOSITION

Practice of using the vector method of representing water analyses in hydrogeology. L. A. Shimanovskii. Razved. i okh. nedr 29 no. 9 55-57 S '63.

WATER, UNDERGROUND—THERMAL PROPERTIES see subdivision under Siberia

WATER BEETLES—PARASITES see Parasites—Water Beetles

WATER METERS

Nomograph for calculating the measuring [illegible] of gas and water meters. A. I. Bendik. [illegible] no. 5 58-59-60 My '63.

Nomograph for calculating the measuring [illegible] of gas and water meters. A. I. Bendik. [illegible] no. 5 59-60 My '63.

Using sluice gates as watermeters in [illegible]. M. S. Zamenhof. Visnyk silʹhosp. nauky [illegible] S '63

WATER PIPES

Sirotkin, V. P. [Layout and design of water [illegible] water-pipe systems] Skhemy i konstruktsii [illegible] vodoprovodnykh setei. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 240 p.

WATER PLANTAIN

Some data on the embryology of Alisma [illegible] L. [with summary in English]. L. V. [illegible] Savich. Biul. MOIP. Otd. biol. 68 no. [illegible] '63.

WATER RESOURCES DEVELOPMENT [illegible] under Azerbaijan, Shakhtistan Depression

WATER SUPPLY—HYGIENIC ASPECTS

Rozental'd, A. S. [Water and health, hygiene of water supply] Voda i zdorov'e; gigiena vodosnabzheniia. Leningrad, Medgiz, 1963. 29 p. (Nauchno-populiarnaia meditsinskaia literatura)

WATER VAPOR

Hydrogen oxidation reaction in the atmosphere of [illegible] V. V. Podgaetskii. Avtom. svar. 16 no. [illegible]

Sorption and desorption of vapors by wheat gluten [with summary in English]. V. V. Tolmachev, I. [illegible] Koll. zhur. 25 no. 5:582-588 S-O '63.

WATER VAPOR—MEASUREMENT

Determining water vapor content of mixtures of [illegible] thermic gases. V. A. Petrushkov. Izmer. tekh. no. 11:160-164 '62.

WATER VAPOR—THERMODYNAMIC PROPERTIES

Thermodynamic properties of water vapor at [illegible] peratures. V. V. Ilyakov. Teplofiz. vys. temp. no. 1:64-72 Jl-Ag '63.

WATER-WORKS INTAKES see Intakes (Hydraulic engineering)

WATERPROOFING

"Fiberplast," a roofing and waterproofing [illegible] Kheifets. Stroi. mat. 9 no. 9:25-27 S '63.

WAVE EQUATIONS

Some mixed problems for a biharmonic wave [illegible] I. N. Veleshkevich. Vestn. AN BSSR, Ser. fiz.-[illegible] no. 3:11-21 '63.

WAVE FUNCTIONS

Asymptotic behavior of the wave function of a [illegible] neutral and charged particles. R. N. [illegible] AN SSSR, Ser. fiz. 27 no. 8:1013-1017 Ag '63.

Computation of collisions of slow electrons with [illegible] gen atoms using the method of trial functions. [illegible] Murav'ev. Izv. AN SSSR, Ser. fiz. 27 no. 8:1027-1029 Ag '63.

General method for the derivation of trial wave functions. V. D. Kamenetskii, V. T. Murav'ev. Izv. AN SSSR, Ser. fiz. 27 no. 8:1027-1029 Ag '63.

Minimization of the mean square error of the wave function and the calculation of matrix [illegible] S. I. Vetchinkin. Opt. i spektr. 15 no. 3, [illegible] '63.

Theory of nonradiative transitions in [illegible] crystals. L. S. Kukushkin. Opt. i spektr. [illegible] 374 S '63.

WAVE GUIDES

Contribution to the theory of a nonuniform [illegible] E. G. Solov'ev. Radiotekhnika 18 no. 7 [illegible]

Effect of dissipation losses in a resonator [illegible] of the band filter frequency characteristic [illegible] Radiotekh. i elektron. 8 no. 10:1671-1677 [illegible]

Ferrite switches. V. I. Vol'man. Radiotekh. [illegible] no. 8:24-30 Ag '63.

H-shaped metal dielectric wave guide with [illegible] plates. IU. D. Deniskin. Radiotekhnika [illegible] Jl '63.

Resonant ferrite valve in a round wave guide. [illegible] Kozyrev. Radiotekhnika 18 no. 7:34-37 Jl '63.

Self-adjoint operator method in the theory of [illegible] M. S. Livshits, V. V. Nikol'skii, V. G. [illegible] tekh. i elektron. 8 no. 10:1709 O '63.

Simulation of E-type fields in waveguides using [illegible] duced current technique. V. A. Sedin, V. [illegible] Radiotekh. i elektron. 8 no. 10:1743-1749 [illegible]

WAVE MECHANICS

Propagation of spherical waves in a viscoelastic [illegible] V. N. Kukudzhanov. Inzh. zhur. 3 no. 3:[illegible]

WAVE MECHANICS (Continued)
Wave propagation in an elastic rod in the presence of a nonlubricated friction. L. V. Nikitin. Inzh. zhur. 3 no. 1 126-130 '63.

WAVES
(see also subdivision under Atlantic Ocean)
Experience in using electronic computers for the determination of the elements of waves by the stereophotogrammetric method A. A. Rogozin Meteor. i gidrol. no. 9 42-45 S '63.
Resistance to the motion of rafts in rough waters. M. M. Solodukhin. Les. prom. 40 no. 3:17-18 Mr '62.

WEATHER CONTROL
Methodology of dispersing clouds over large areas. V. I. Belyaev, I. S. Pavlova, V. M. Riabov. Izv. AN SSSR ser. geofiz. no. 9 1410-1416 S '63.

WEATHER FORECASTING
Boundary value problem of forecasting atmospheric pressure fields, using the complete system of hydrodynamic equations. V. M. Berezin. Vest. Mosk. un-ta Ser. 3; Fiz., astron. 18 no. 5:28-31 S-O '63.
Long-term forecasting and arctic navigation. Iu. Arshenevskii. Mor. flot 23 no. 10 18-19 O '63.
Physical mechanism of the long-range weather changes. A. S. Monin Meteor. i gidrol. no. 8 43-46 Ag '63.

WEATHER SIGNALS
Storm and strong wind warning signals have to be changed. A. Skofenko. Mor. flot 23 no. 10 24-25 O '63.

WEATHER TELEGRAPHY
Simple control of aerological telegrams. L. S. Gandin Meteor. i gidrol. no. 9 31-33 S '63.

WEATHERING see subdivision under Volga Valley

WEDGES
General solution of the plane problem for a wedge. V. V. Abel'. Inzh. zhur. 3 no. 3:575-578 '63.

WEED CONTROL
(see also subdivision under Kol'badzhai District, Stavropol Territory; Ukraine, Virgin Territory, Yemel'yanovo District)
Controlling Aeropilon picris. M. IA. Berezovskii and others. Zashch. rast. ot vred. i bol. 8 no. 9:45-47 S '63.
Eradication of Agropyron repens. R. G. Koptelova. Zashch. rast. ot vred. i bol. 8 no. 9:13-14 S '63.
Spraying herbicides by the method of lateral blasting. S. F. Prokopenko, V. S. Podshivalov, M. M. Kuz'mina. Zashch. rast. ot vred. i bol. 8 no. 4:36 Ap '63.
Weed control in oil flax fields. N. P. Shcherbinin. Zashch. rast. ot vred. i bol. 8 no. 4:23-24 Ap '63.

WEED CONTROL—BIOLOGICAL CONTROL see subdivision under Kirghizistan

WEED CONTROL—EQUIPMENT AND SUPPLIES see subdivision under Ukraine

WEED KILLERS see Herbicides

WEIGHING MACHINES
(see also subdivision under Kokchetav)
Electronic digital printing device for automating fuel weighing operations. A. N. Komarov. Elek. sta. 34 no. 9 65-70 S '63

WEIGHT LIFTING
Analysis of the movement of the crossbar in completing the jerk and lift to the chest. R. A. Roman. Teor. i prak. fiz. kul't. 26 no. 8, 72-74 Ag '63.
Champion and a son of a champion. Leonid Gorianov. Smena 40 no. 16 26-27 Ag '63.

WELDING
Building-up by welding should be used in production. V. Volodin. NTO 5 no. 8:43-44 Ag '63.
Consultations on questions asked in our readers' letters. G. IA. Kerzhner and others. Svar. proizv. no. 9, 46 S '63.

WELDING—BIBLIOGRAPHY see Bibliography—Welding

WELDING—EQUIPMENT AND SUPPLIES
Cold welding of contact wires; mobile unit. N. N. Pankratov. Elek. i tepl. tiaga 7 no. 9:11-12 S '63.
Riabokon', N. G. [Mechanization and the automatic control of technological processes in welding] Mekhanizatsiia i avtomatizatsiia tekhnologicheskikh protsessov svarochnogo proizvodstva; elementy avtomatiki. Moskva, Mashgiz, 1963. 275 p.

WELDING—HANDBOOKS, MANUALS, ETC.
Lakedemonskii, A. V., and V. E. Khriapin. [Welder's handbook] Spravochnik patal'shchika. Izd. 2., perer. Moskva, Mashgiz, 1963. 440 p.

WELDING—TESTING
Automatic machine for the ultrasonic control of welded pipe butt joints. N. V. Troitskii. Svar. proizv. no. 9 38-39 S '63.
Checking the compactness of welded joints with helium leak detectors. P. A. Orekhov, V. I. Kuzushkin. Svar. proizv. no. 9 32-33 S '63.
Compressed air leak-proof testing of closed structures. V. I. Sokolov. Svar. proizv. no. 9 21-24 S '63.
Effect of hydrogen and addition elements on the porosity formation of titanium weldments. A. I. Gorshkov, F. E. Trefilakov. Avtom. svar. 16 no. 9 36-41 S '63.
Resistance of welded joints with a soft heat zone to impact tension. O. A. Hakshi, A. N. Monoshkov. Svar. proizv. no. 9 8-10 S '63.
Sensitivity of control methods to the tightness of weld joints. A. A. Trushchenko. Avtom. svar. 16 no. 9 86-91 S '63.

WELDING, GAS see Gas welding and cutting

WELDING RESEARCH
In the Coordinating Council on Welding. Avtom. svar. 16 no. 9, 94-95 S '63.

WELLS, HERBERT GEORGE, 1866-1946
"Lenin was the greatest man," says Wells. G. Mendeleevich. Kul't. i zhizn' 7 no. 4:3-4 '63.

WENDIC LITERATURE—HISTORY AND CRITICISM
History of Lusatian literature. K. K. Trofymovych Rad. lit. 7 no. 4 149-151 Jl-Ag '63.

WEST GERMANY see Germany, West

WEST KAZAKHSTAN PROVINCE—NEMATODA
Use of phenothiazine in Haemonchus infection of pregnant sheep E. S. Remizov Veterinariia 39 no. 11 39 N '62

WEST KAZAKHSTAN PROVINCE—PARASITES—SHEEP
Use of phenothiazine in Haemonchus infection of pregnant sheep E. S. Remizov. Veterinariia 39 no 11:39 N '62.

WEST SIBERIAN ECONOMIC REGION—LABOR PRODUCTIVITY
Utilize more fully potentials for increasing labor productivity. N. Dybenko. Sots. trud. 8 no. 7, 22-29 Jl '63

WEST SIBERIAN PLAIN—BOTANY, ECONOMIC
"Useful plants of western Siberia" by V. I. Vereshchagina, K. A. Sobolevskaia, A. I. IAkubova. Reviewed by L. A. Utkin. Izv. Sib. otd. AN SSSR no. 2 127-128 '62.

WEST SIBERIAN PLAIN—ENGINEERING GEOLOGY
Regionalization of the southwestern part of the West Siberian Plain for purposes of engineering geology V. T. Trofimov. Vest. Mosk. un. Ser. 4 Geol. 18 no. 1 36-41 Jl-Ag '63

WEST SIBERIAN PLAIN—FORAMINIFERA, FOSSIL
New information on Senonian Foraminifera complexes in the eastern regions of the West Siberian Plain [with summary in English]. V. M. Podobina. Geol. i geofiz. no. 7:40-49 '63.

WEST SIBERIAN PLAIN—GEOLOGY, ECONOMIC
Geology and mineralogy of Mesozoic and Cenozoic sediments in the Yenisey trough and an estimation of their possible reserves. V. A. Kashtanov, A. V. Gol'bert. Geol. i geofiz. no. 4 88-98 '63.

WEST SIBERIAN PLAIN—GEOLOGY, STRATIGRAPHIC
Concerning F. G. Gurari, I. I. Nesterov, M. IA. Rudkevich's article "Stratigraphy of Mesozoic and Cenozoic sediments in the West Siberian Plain." N. N. Rostovtsev. Geol. i geofiz. no. 4, 122-123 '63.
Lower boundary of the Quaternary system in the southern part of the West Siberian Plain. V. A. Martynov. Trudy SNIIGGIMS no. 24:182-197 '62.

WEST SIBERIAN PLAIN—MICROTHYRIACEAE, FOSSIL
New Tertiary Microthyriaceae of the West Siberian Lowland. P. N. Golovin, P. A. Popov. Bot. mat. Otd. spor. rast. 16:88-91 '63.

WEST SIBERIAN PLAIN—MOISTURE
Natural moistening balance of the West Siberian Plain and the problem of the lower Ob' Valley. V. S. Mezentsev. Izv. AN SSSR, Ser. geog. no. 5:45-50 S-O '63.

WEST SIBERIAN PLAIN—SEISMIC PROSPECTING
Seismic sounding by reflected waves for purposes of regional geological studies [with summary in English]. N. N. Puzyrev and others. Geol. i geofiz. no. 8:55-67 '63.

WESTERN DVINA RIVER—ICE ON RIVER, LAKES, ETC.
Influence of the Kegums Hydroelectric Power Station on the time of freezing and opening of the Western Dvina River. L. I. Glazacheva. Meteor. i gidrol. no. 8:38-42 Ag '63.

WESTERN DVINA VALLEY—WATER, UNDERGROUND
Hydrogeological zoning of large river basins according to the conditions of the formation of subsurface flow into the rivers (as exemplified by the Western Dvina River basin). I. S. Zaitsev, A. P. Lavrov. Dokl. AN BSSR 7 no. 8:548-551 Ag '63.

WESTERN EUROPE see Europe, Western

WHEAT
(see also subdivision under Kirovabad region, Komi A.S.S.R.; Kuban, Moscow Province; Nakhichevan A.S.S.R., Russia, Northern, Siberia, Ukraine, White Russia)
Change of the biological and economic characters in winter wheat varieties during their transformation into spring varieties. F. IA. Fedotov. Vest. sel'khoz. nauki 8 no. 3:50-52 Mr '63.
Characteristics of the development of new forms obtained from winter wheat. N. A. Toporina. Vest. sel'khoz. nauki 8 no. 3, 70-72 Mr '63.
Controlled transformation of heredity as a method for developing parent material in breeding winter wheats. M. L. Kravchenko Vest. sel'khoz. nauki 8 no. 3 82-86 Mr '63.
Controlled variability of wheat induced by the culture of isolated embryos. N. A. Sobolev. Vest. sel'khoz. nauki 8 no. 3 106-109 Mr '63.
Developing winter-hardy winter wheats and cold-resistant corn. V. N. Orlov. Vest. sel'khoz. nauki 8 no. 3 86-88 Mr '63.
Effect of frost on the formation of reproductive organs in spring wheat [with summary in English] L. R. Petrova, S. N. Drozdov. Bot. zhur. 48 no. 8 1097-1107 Ag '63
Effect of soil composition on the development of the traits of winter-hardiness in winter wheat. T. E. Dan'shin. Vest. sel'khoz. nauki 8 no. 3 93-95 Mr '63.
Intravarietal selection as a way for controlling the heredity of plants. M. M. IAkubisiner. Vest. sel'khoz nauki 8 no. 3 109-111 Mr '63.
Obtaining diversified forms of plants by sowing unripe seeds. B. D. Fainbron. Vest. sel'khoz. nauki 8 no. 3 116-118 Mr '63.
Significance of light at temperatures below freezing point in increasing the frost resistance of wheat. N. P. Panchenko Vest. sel'khoz. nauki 8 no. 3 38-40 Mr '63
Transforming winter wheat by directed conditioning of plants with loosened heredity. I. D. Nechiporchuk. Vest. sel'khoz. nauki 8 no. 3, 79-80 Mr '63.

WHEAT—CLEANING see subdivision under Siberia

WHEAT—DISEASE AND PEST RESISTANCE
Artificial infection by the vacuum method. A. P. Shestakova. Zashch. rast. ot vred. i bol. 8 no. 9, 42 S '63.

WHEAT—DISEASES AND PESTS
(see also subdivision under Kabardino-Balkar A.S.S.R.)
Disinfecting winter wheat seeds. M. M. TSymbal. Zashch. rast. ot vred. i bol. 8 no. 8:20-21 Ag '63.

WHEAT—FERTILIZERS AND MANURES
(see also subdivision under Kukhta District)
Effect of compound organic-mineral trace element fertilizers on the yield of winter wheat. IU. K. Kakhramanov. Trudy Azerb. nauch.-issl. inst. zem. 12:33-36 '62.
Effect of high fertilizing rates on the formation and performance of the photosynthetic apparatus in winter wheat plants [with summary in English]. V. I. Lukianiuk, I. I. Vasilenko. Izv. TSKHA no. 2:7-18 '63.

WHEAT—VARIETIES
(see also subdivision under Astrakhan-Bazar District; Azerbaijan; Kuybyshev Province, Moscow, Siberia; Virgin Territory)
Developing winter wheat varieties by conditioning. V. N. Remeslo. Vest. sel'khoz. nauki 8 no. 3, 24-29 Mr '63.
Transforming spring wheats into more yielding winter forms. I. E. Driga. Vest. sel'khoz. nauki 8 no. 3 81-82 Mr '63.

WHEAT BREEDING
Controlled transformation of heredity in plants and hybridization. T. IA. Zagrubaiło. Vest. sel'khoz. nauki 8 no. 3:29-31 Mr '63.

WHITE RUSSIA—AGRICULTURE—AUDITING AND INSPECTION
Work of State Bank branches under the new conditions of agricultural administration. V. Bliznets. Den. i kred. 21 no. 10:43-49 O '63.

WHITE RUSSIA—AUDITING AND INSPECTION
Public control is an effective control. S. Prityiskii. Sov. profsoiuzy 19 no. 16:4-6 Ag '63

WHITE RUSSIA—BANKS AND BANKING
Work of State Bank branches under the new conditions of agricultural administration. V. Bliznets. Den. i kred. 21 no. 10:43-49 O '63.

719 - 838 O - 64 - 24

WHITE SEA—COD FISH

[Yearly differences in the feeding habits of Eleginus navaga (Pallas) of the White Sea] L. A. Kuderskii, A. M. Anukhina. Vop. ikht. 3 no. 3:522-535 '63.

WHITE RUSSIA—COMMUNIST PARTY OF THE SOVIET UNION

Kolesnich, I. I. [The party organization in White Russia during the first years of the New Economic Policy, 1921-1924] Partiinoe stroitel'stvo v Belorussii v pervye gody NEPa, 1921-1924 gg. Pod red. M. E. Shkliara. Minsk, Izd-vo M-va vysshego, srednego, spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 106 p. (MIC)

WHITE RUSSIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Issues in the theory and methods of party work. Partiinoe stroitel'stvo no. 8:24-28 Ag '63.

We should always try to improve the party guidance of administrative agencies. B. Shumilin. Sots. zakon. 40 no. 8:16-20 Ag '63.

WHITE RUSSIA—CRIMINAL PROCEDURE

[Commentaries to the criminal procedure code of the White Russian S.S.R.] Ugolovno-protsessual'nyi kodeks Belorusskoi SSR kommentarii. Pod obshchei red. S. T. Shardyko, G. F. Basova. Minsk, Gosizdat BSSR, 1963. 314 p.

WHITE RUSSIA—DRAINAGE

Errors in determining the areas and some other characteristics of drainage basins. A. R. Bulauko, V. V. Dirda. Vestsi AN BSSR Ser. fiz.-tekh. nav. no. 3:113-117 '63.

WHITE RUSSIA—ECONOMIC CONDITIONS

In White Russia. S. Putiaev. Okhr. truda i sots. strakh. 6 no. 7:4-7 Jl '63.

WHITE RUSSIA—FARM MECHANIZATION

We have raised the cultural level and technical qualifications of rural toilers. N. Shito. Komm. Bel. 37 no. 8:46-51 Ag '63.

WHITE RUSSIA—FOREST MANAGEMENT

Possibilities in increasing the productivity of forests in White Russia. S. T. Moiseenko. Les. khoz. 16 no. 7:9-11 Jl '63.

WHITE RUSSIA—FREIGHT AND FREIGHTAGE

Ushkevich, E. P., A. K. Vorobei, and A. M. Trushin. [Centralized freight transportation; experience of railroad and automotive transportation in White Russia] TSentralizovannye perevozki gruzov, opyt zheleznodorozhnogo i avtomobil'nogo transporta Belorussii. Moskva, Transzheldorizdat, 1963. 66 p.

WHITE RUSSIA—FUEL

Securing peat fuel for the rural population of the White Russian S.S.R. K. P. Kunitskii. Torf. prom. 40 no. 6:33-35 '63.

WHITE RUSSIA—GEOLOGY, STRUCTURAL

Effect of teutonics on relief formation and the distribution of rivers in the region of the Mikashevichi-Zhitkovichi shelf and some characteristics of its development. Z. A. Harelik. Vestsi AN BSSR Ser. fiz.-tekh. nav. no. 3:66-75 '63.

WHITE RUSSIA—HISTORY

A book on the glorious history of the revolutionary struggle. V. Meleshko, D. Rozenshein. Komm. Bel. 37 no. 8:73-76 Ag '63.

WHITE RUSSIA—INDUSTRIAL HYGIENE

In White Russia. S. Putiaev. Okhr. truda i sots. strakh. 6 no. 7:4-7 Jl '63.

WHITE RUSSIA—INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

Operation planning by construction stages of industrial projects. V. Anufriev, G. Zubatkin, B. Simanovskii. Ekon. stroi. no. 10:39-47 O '63.

WHITE RUSSIA—INDUSTRIES

Some problems concerning the economic development of our republic. S. Malmin. Komm. Bel. 37 no. 8:34-40 Ag '63.

WHITE RUSSIA—OXYTROPIS

First find of Oxytropis pilosa L. in White Russia. D. K. Ges', N. V. Kozlovskaia. Dokl. AN BSSR 7 no. 8:552-553 Ag '63.

WHITE RUSSIA—PINE—DISEASES AND PESTS

Biological method for controlling the pine sawflies Diprion pini and Clipuia pallida. B. V. Ryvkin. Les. khoz. 16 no. 7:82-84 Jl '63.

WHITE RUSSIA—POLITICS AND GOVERNMENT

We should always try to improve the party guidance of administrative agencies. B. Shumilin. Sots. zakon. 40 no. 8:16-20 Ag '63.

WHITE RUSSIA—PROSPECTING

Use of surface-active substances in boring prospecting wells in White Russia. E. A. Dziamianava. Vestsi AN BSSR Ser. fiz.-tekh. nav. no. 3:76-79 '63.

WHITE RUSSIA—PUBLISHERS AND PUBLISHING

We shouldn't forget our readers. M. Demidenko. Komm. Bel. 37 no. 8:59 Ag '63.

WHITE RUSSIA—RIVERS

Effect of teutonics on relief formation and the distribution of rivers in the region of the Mikashevichi-Zhitkovichi shelf and some characteristics of its development. Z. A. Harelik. Vestsi AN BSSR Ser. fiz.-tekh. nav. no. 3:66-75 '63.

WHITE RUSSIA—SALINE WATERS

Physicochemical characteristics of certain natural waters and salines of White Russia. M. I. Pastuk. Vestsi AN BSSR Ser. fiz.-tekh. nav. no. 3:63-65 '63.

WHITE RUSSIA—SAWFLIES—BIOLOGICAL CONTROL

Biological method for controlling the pine sawflies Diprion pini and Clipuia pallida. B. V. Ryvkin. Les. khoz. 16 no. 7:82-84 Jl '63.

WHITE RUSSIA—SEISMIC PROSPECTING

Possibility of mapping the crystalline basement of the central White Russian S. S. R. by the correlation refracted wave method. G. G. Stadnik, Iu. N. Stadnik. Dokl. AN BSSR 7 no. 7:467-469 Jl '63.

WHITE RUSSIA—TECHNICAL SOCIETIES

Increased authority. N. Khrestin. NTO 5 no. 8:31-32 Ag '63.

WHITE RUSSIA—TECHNOLOGICAL INNOVATIONS

Muravtsev, A. A., and V. N. Chertetsov. [Initiative of Leningrad workers is spreading throughout the country; fair of innovations in White Russia] Pochin leningradtsev rasprostraniaetsia po strane, o iarmarke novatorskikh predlozhenii v Belorussii. Leningrad, 1963. 9 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serila. Obmen opytom nauchno-tekhnicheskoi informatsii i propagandy)

WHITE RUSSIA—TRADE UNIONS

Public control is an effective control. S. Prityts'kii. Sov. profsoiuzy 19 no. 16:4-6 Ag '63.

WHITE RUSSIA—TRANSPORTATION, AUTOMOTIVE—ACCOUNTING

For the title of "an outstanding accounting team." S. Izrailevich. Avt. transp. 41 no. 10:10 O '63.

WHITE RUSSIA—WHEAT

Biological and economic characteristics of new forms of winter wheats developed by transforming spring varieties. A. Z. Latypov. Vest. sel'khoz. nauki 8 no. 3:77-79 Mr '63.

WHITE RUSSIAN LANGUAGE—MORPHOLOGY

Akademiia nauk BSSR, Minsk. Instytut movaznaustva. [Grammar of the White Russian language] Gramatyka Belaruskai movy. Minsk, Vyd-va Akad. navuk BSSR. Vol. 1. [Morphology] Marfalogiia. [By] M. H. Bulakhavyi i inshyia. 1962. 537 p.

WHITE RUSSIAN NEWSPAPERS

Follow-up of articles published in our periodical. Komm. Bel. 37 no. 8:80 Ag '63.

WHITE SEA—FISHES—FOOD

Yearly differences in the feeding habits of Eleginus navaga (Pallas) of the White Sea. L. A. Kuderskii, A. M. Anukhina. Vop. ikht. 3 no. 3:522-535 '63.

WHITE SEA—PINK SALMON

"Potential" and "final" fecundity of fishes as exemplified by pink salmon (Oncorhynchus gorbuscha (Walb.)) acclimatized in the basins of the White and Barents Seas. G. M. Persov. Vop. ikht. 3 no. 3:490-496 '63.

WHITEFISHES see subdivision under Vilyuy Valley

WHITEWASHING

How to mechanize the whitening of the roofs of greenhouses. B. V. Latenko. Mekh. sil'. hosp. 14 no. 5:13 My '63.

WHOLESALE TRADE—ACCOUNTING

Simplifying the accounting in the wholesale business. M. Zuev. Sov. potreb. koop. 7 no. 9:41-43 S '63.

WHOLESALE TRADE—EXHIBITIONS see subdivision under Alma-Ata

WHOOPING COUGH

Effect of gamma globulin treatment on the clinical course of whooping cough and the indices of nonspecific immunity [with summary in English]. S. R. Iholan. Pediatriia 42 no. 1:22-26 Ja '63.

WHOOPING COUGH—PREVENTIVE INOCULATION

Characteristics of some indices of immunity in relation to the age and state of health of children following vaccination with polyvalent [illegible]. Reznik. Pediatriia 42 no. 4:18-[illegible] Jl '63.

WILDLIFE CENSUS

Akademiia nauk SSSR. Institut geografii. [Methods and methods for censusing birds and injurious [illegible]. Organizatsiia i metody ucheta ptits i vrednykh [illegible]. Moskva, Izd-vo Akad. nauk SSSR, 1963. 255 p.

WILLOWS

(see also subdivision under Khibiny Mountains)

Changes in the growth of buds in dioecious [illegible] willow Salix acutifolia L. E. G. Minina. [illegible] Biul. MOIP Otd. biol. 68 no. 5:51-60 [illegible].

WINCHES

Modernization of the reversing gear of the [illegible]. A. I. Kovrigin. Les. prom. 10 no. 9:10-12 [illegible].

Self-propelled winch. A. D. Mikhailov. [illegible] no. 9:14 S '63.

WIND TUNNELS

Transient processes during the gain and [illegible] sure in the stilling chamber of a wind tunnel with a heater. A. L. Iskra. Inzh. zhur. 3 no. 1:[illegible].

WINDBREAKS, SHELTERBELTS, ETC.

(see also subdivision under Kazakhstan)

Design of tree belts. E. P. Savinov, N. N. [illegible], P. I. Shul'ga. Put' i put. khoz. 7 no. 7:31 [illegible].

Modification of the design of protective tree [illegible]. Besedovskii. Put' i put. khoz. 7 no. 9:31 [illegible].

Results of the testing of experimental plow [illegible]. Matiakin. Put' i put. khoz. 7 no. 9:43-44 [illegible].

WINDING MACHINES

Methodology for designing the automatic [illegible] winding chenille on a bobbin. L. I. Krasnoperova. [illegible] vys. ucheb. zav.; tekh. leg. prom. no. 4:[illegible].

WINDMILLS see subdivision under France

WINDOWS

Shop for the production of glued bars for the [illegible] window and door sets. V. P. Kruglov, N. [illegible]. Der. prom. 12 no. 6:14-15 Je '63.

Window ventilation of rooms. V. Gusman, V. [illegible]. Zhil. stroi. no. 6:29-31 '63.

WINDS

(see also subdivision under Arctic regions; Barents Sea; Japan Sea region; Pacific Ocean)

Airplane apparatus for measuring the vertical [illegible]. L. A. Pakhomov. Trudy TSAO no. 11:91 [illegible].

Calculating the fluctuations of the horizontal [illegible] the wind in the free atmosphere based on [illegible] observations. V. A. Patsanova. Trudy [illegible] 85 '62.

Changes of jet streams in connection with the [illegible] of cyclones on February 13-17, 1961. M. A. [illegible] skii. Meteor. i gidrol. no. 8:21-31 S '63.

Influence of the wind velocity on the amount of [illegible] tion being measured. A. P. Braslavets. Meteor. i gidrol. no. 8:54-56 Ag '63.

Movement of cold air masses along mountain [illegible]. V. A. Khalkechev, L. N. Chitman. Izv. AN SSSR. Ser. geofiz. no. 9:1399-1409 S '63.

Solving the problem of the effect of hills on the [illegible] movement of a cold layer of air. E. H. [illegible]. Izv. AN SSSR. Ser. geofiz. no. 9:1417-1423 S '63.

Some characteristics of the mountain-valley [illegible]. M. A. Petrosiants, S. G. Chanyshova. Meteor. i gidrol. no. 9, 3-10 S '63.

Some problems of the theory of local winds. [illegible]. Meteor. i gidrol. no. 8:11-20 Ag '63.

WINE AND WINE MAKING see subdivision under Azerbaijan; Georgia

WIRE—TESTING

New developments in research. S. I. Petrukhin. [illegible] 23 no. 9:840 S '63.

Using a generator with a bypass diode to determine the thickness of the zinc covering of a steel wire. [illegible]. Pogrebisov, I. I. Minenkov. Trudy NPI 137 [illegible] '63.

WIRE BROADCASTING see subdivision under Moscow Province

WIRE DRAWING

Devices for measuring the temperature of wire during drawing. N. I. Svedo-Shvets, N. A. Bondar', V. N. Shashkov. Sbor. trud. TSNIICHM no. 36:17-22 [illegible].

Effect of surface treatment and the conditions of [illegible] plating on the quality of steel wire coatings. [illegible] kolov and others. Stal' 23 no. 9:850-857 S '63.

WIRE DRAWING (Continued)

Experimental investigation of the process of carbon steel wire drawing on a high-speed direct flow machine V. I. Orinichev. Stal' 23 no 6 507-508 Je '63

Increasing the diameter of steel rods for wire drawing G. M. Fomin and others Metallurg 8 no. 8 24-26 Ag '63

New developments in research. V. U. Voloshchuk and others. Stal' 23 no. 9 858 S '63.

WIRE INDUSTRY—EQUIPMENT AND SUPPLIES

Grooving the new semicontinuous wire rod mill intended for the rolling of copper rod. M. I. Bolshinov, N. V. Litovchenko, V. A. Kurdiumova. TSvet. met. 36 no. 9 70-75 S '63.

WIRE ROPE

Allowable wear of a hoisting cable in the fastening section. I. F Liulkevich. Trudy NPI 137:55-61 '62

Analytical determination of the calculated geometric parameters of tangential wire strands. N. E Markman. Izv. vys. ucheb. zav., gor. zhur. 6 no. 8 140-144 '63.

Decrease in the static reserve of the stability of hoisting cables with an increase in the mine depth. G. P Kshnin. Trudy NPI 137:3-10 '62.

Device for determining strain in ropes and flexible wires P. E. Madzig, A. A. Shurygin. Gor. zhur no 9 74 S '63

Distribution of forces among the ropes of a multirope hoist in fastening them jointly to the vehicles. Iu. P. Shabanov-Kushnarenko, N. A. Shmatkov. Izv. vys. ucheb zav ; gor. zhur. 6 no. 8:120-128 '63.

Dynamic stresses in hoisting cables P A Zhuravlev, A. F Zakharevich. Izv vys. ucheb zav., gor zhur 6 no. 3:121-128 '63

Integrodifferential equations of the fluctuations of a mine rope with varying length. A. A. Chizh. Izv. vys. ucheb. zav. ; gor. zhur. 6 no. 3:134-139 '63.

Refined formula for calculating the bending stresses in round-strand steel hoisting ropes. M F Glushko Izv. vys. ucheb. zav. ; gor zhur. 6 no. 8:145-148 '63

Relationship between the conditions for using ropes and the selection of the optimum stretching force. N. K. Gonchar enko, A. P. Vetrov. Izv. vys. ucheb. zav. ; gor. zhur. 6 no. 8:149-153 '63.

Some problems in the theory of multilayer winding of ropes onto mine hoist drums. Iu. E. Pochtovenko. Izv. vys. ucheb. zav., gor. zhur. 6 no. 8:102-110 '63.

Tabulating cable functions $\mathfrak{D}_n(t)$. M. L. Stepanov. Mekh. i avtom. v gor. prom. no. 3:155-162 '63.

Torque caused by the stretching of a double-twisted wire mine cable. L. I. Zhukov Izv vys ucheb zav , gor zhur. 6 no. 3:84-92 '63.

WIRE ROPE—STANDARDS

Steel ropes. N. S. Miroshnichenko. Standartizatsiia 27 no. 9 37-38 S '63.

WIRE ROPE—TESTING

Device for measuring rope torsion in hoisting machinery. S. F. Chukmasov, A. I. Roslik. Vest. mashinostr. 43 no. 9 31-32 S '63.

WIRE-ROPE INDUSTRY

Bukshtein, M. A. [Manufacture of steel wire rope] Proizvodstvo stal'nykh kanatov. Moskva, Metallurgizdat, 1963. 330 p.

WIREWORMS—EXTERMINATION

Hill placement of hexachlorocyclohexane in soils. A. M. Ishmaev. Zashch. rast. ot vred. i bol. 8 no. 4:19-20 Ap '63.

Questions and answers. Zashch. rast. ot vred. i bol. 8 no. 4:38 Ap '63.

WISCONSIN—BOTANY—ECOLOGY

Use of the principle of vegetational continuum in studying the vegetation of Wisconsin (USA). T. A Rabotnov. Biul. MOIP. Otd. biol. 68 no. 1, 147-151 Ja-Ag '63

WOMEN

(see also subdivision under Algeria; Germany, West; Kenya; Ukraine)

Letters to the editor. Zhen. mira no. 2:8 '63.

March 8, A source of energy and inspiration. Barbara Kaufmann. Zhen. mira no. 2:4-5 '63.

Emel'ianova, E. D. [Work of the Communist Party among working women during the period of reconstruction] Rabota Kommunisticheskoi partii sredi trudiashchikhsia zhenshchin v vosstanovitel'nyi period. Smolensk, Smolenskii gos. pedagog. in-t, 1961. 33 p. (Mil)

WOMEN—CONGRESSES

Forum of women from the whole world. A. Mlynek. Deshk. vosp. 39 no. 8 4-6 Ag '63.

Greeting the forthcoming World Congress of Women. Zhen. mira no. 2:8 '63.

"If we want, life will triumph!" Semlia i shkola 18 no. 9:24 S '63.

In anticipation of the women's congress. Ol'ga Khvalebnova. Kul't. i zhizn' 7 no. 4:9-10 '63.

A meeting of the Council of the Women's International Democratic Federation on preparations for the World Congress of Women. Zhen. mira no. 2:8 '63.

They are our future; the World Forum of Women. Nina Bogomolova. Zhen. mira no. 2:20-21 '63.

To the women of all continents Kul't i zhizn' 7 no. 8 12 '63

Voice of the W. F T.U. at the World Congress of Women. Vsem. prof dvizh no. 7/8:17-18 Jl-Ag '63.

WOMEN—EMPLOYMENT

(see also subdivision under Germany, East)

International tribune of the working women Louis Saillant. Vsem. prof. dvizh. no 9 1-2 S '63

Notes on books. G. IAmenfeld. Sov. profsoiuzy 19 no. 16 16 Ag '63

Replies to our readers. Sots. trud 8 no. 9:143-144 S '63.

There is still time to begin anew.... V. Shugaev. Smena 19 no. 15, 3 Ag '63.

To win their full right to work. Eliza Uris. Zhen. mira no. 2:13-17 '63.

We want to participate in the promotion of a lasting peace Vsem prof dvizh no 9 29 S '63

Ivanova, Z. P., ed. [Women and labor] Zhenshchina i trud Moskva, Ekonomizdat, 1963 94 p (K Vsemirnomu kongressu zhenshchin)

WOMEN—RIGHTS OF WOMEN

(see also subdivision under Indonesia; Iraq, Israel, Rhodesia, Southern, Rumania)

We continue our struggle. T. Anisimova. Sov. just no. 15 6-7 Ag '63.

WOMEN—SOCIETIES AND CLUBS

(see also subdivision under Odessa)

Let's strengthen the unity of women in their struggle for peace and independence! Kul't. i zhizn' 7 no. 8 16, 27 '63.

WOMEN AND PEACE

They are greeting us. Isaac T. A. Wallace Johnson. Zhen. mira no. 2:2 '63.

To the women of all continents. Kul't. i zhizn' 7 no. 8: 12 '63.

We continue our struggle. T Anisimova. Sov. just. no. 15 6-7 Ag '63.

WOMEN AS JUDGES

For the happiness of our people. A Simonov. Sov. just. no. 16, 15 Ag '63.

WOMEN AS LAWYERS

The call of her heart. A. Gorin. Sov. just. no. 17:19-20 S '63.

WOMEN AS TRACTOR OPERATORS see subdivision under Ukraine

WOMEN IN AERONAUTICS

Her predecessors. Znan.-sila 38 no 7, 5 Jl '63.

WOMEN IN PUBLIC LIFE see subdivision under Ukraine

WOOD

Diffusion into cell walls of wood. Iu. M. Ivanov. Trudy Inst. lesa i drev. 65:3-10 '63.

Improving the quality of raw materials for the hydrolysis industry P N. Klinsov Gidroliz i lesokhim. prom. 16 no. 6 24-25 '63

WOOD—CHEMISTRY

Complete chemical processing of vegetable tissues Gidroliz. i lesokhim. prom. 16 no. 6:30-32 '63.

Heat conductivity of semiprocessed chemical products of wood. M. I. Mashkovich, A. I. Firsov Gidroliz. i lesokhim. prom. 16 no. 6 22-23 '63.

WOOD—ELASTIC PROPERTIES

Studying the effect of temperature and moisture on the indices of the rheological properties of birch wood. B. N. Ugolev, V. I. Pimenova. Der. prom. 12 no. 6:10-12 Je '63.

WOOD—MOISTURE

Characteristics of the distribution of moisture in various parts of wood of the stem of Siberian pine. L. N. Isaeva. Trudy Inst. lesa i drev. 65:77-82 '63.

Estimating the protective properties of varnish coverings against the deformation of wood. Iu. M. Ivanov. Der. prom. 12 no. 9:3-5 S '63.

WOOD—PERMEABILITY

Testing the permeability of pine wood to nitrogen and antiseptic solutions. V. A. Bazhenov, E. V. Kharuk. Trudy Inst. lesa i drev. 65:20-47 '63.

WOOD—TESTING

Effect of the habitat conditions of Schrenk spruce on the physical and mechanical properties of wood. A. D. Shevchenko. Vest. sel'khoz. nauki [Kazakh.] 6 no. 7: 80-83 Jl '63.

Physical and mechanical properties of pithy wood. N. L. Leont'ev. Der. prom. 12 no. 4:15-16 Ap '63.

WOOD—THERMAL PROPERTIES

Averaging the effective thermal coefficients of wood. B. S. Chudinov. Trudy Inst. lesa i drev. 65:49-65 '63.

Calculating the processes of complete and incomplete defrosting of wood. B S Chudinov. Trudy Inst. lesa i drev. 65:66-76 '63

WOOD, COMPRESSED

Structure and characteristics of biaxially compressed wood. G. V. Ilar, A V Kytmanov, O. A. Petrova. Trudy Inst. lesa i drev. 65:83-90 '63.

Utilization of the waste of compressed laminated wood for the production of wood press particles. L. S. Asotskii, S. N. Miroshnichenko. Der. prom. 12 no. 6 13 Je '63.

WOOD AS FUEL see subdivision under Kirishi region

WOOD CARVING

Wooden utensils of Ust'-Tsil'ma; based on collections of Leningrad museums. N. I. Gagen-Torn. Sbor. Muz. ant. i etn. 21:65-77 '63.

WOOD CARVING, RUSSIAN see subdivision under Bogorodskoye (Moscow Province)

WOOD-DECAYING FUNGI

(see also subdivision under Latvia, Ukraine)

Biology of Laetiporus sulphureus (Bull.) Bond. et Sing [with summary in English]. P. A. Suvorov. Biul. MOIP. Otd. biol. 68 no 5 66-77 S-O '63

Chemical control of the stem pests of Dahurian larch. A. S. Isaev. Trudy Inst lesa i drev. 65:105-117 '63.

Interrelations of some species of house fungi in a mixed culture. I. A. Petrenko. Trudy Inst. lesa i drev. 65 95-104 '63.

WOOD FINISHING

Conference on the introduction of new, modern materials for furniture finishing. A. S. Glebov. Der. prom. 12 no 6 24-25 Je '63.

"Encasing" method for the finishing of panel furniture with polyester varnishes R. B. Mandel', M. D. Lerman, V. V. Semashin. Lakrokras. mat. i tekh. prim no 4 46-47 '63

Experience in the use of the electrostatic spray painting method for varnishing bent chairs in the Moscow Furniture Factory No. 5 R. I. Gorbunova. Lakokras. mat i tekh. prim. no 4 73-74 '63

Finish and ornamental materials from polyester glass reinforced plastic materials. A. N. Orlov. Der. prom. 12 no. 4:21-22 Ap '63.

Labkovskii, S. S. [Finishing particle boards with polyvinyl chloride films] Otdelka struzhechnykh plit polivinilkhloridnymi plenkami Moskva, TSentr in-t tekhn informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1963 55 p (Derevoobrabotka)

[MICROFILM]

Line for imitation finishing of furniture panels. I D. Ishin. Der. prom. 12 no. 6 17-18 Je '63.

Thermal resistance of printed colors in imitation finishing of sheet materials by the hot method. V. A. Bogdanov. Der. prom. 12 no. 4:10 Ap '63.

WOOD FLOUR—STANDARDS

A new standard for wood flour. V. S. Mel'nikov. Der. prom 12 no. 4:12 Ap '63.

WOOD RESEARCH see subdivision under Siberia

WOOD-USING INDUSTRIES

(see also subdivision under Perm Province)

Possible development of industrial processing of wood. P. V. Vasil'ev. Les. prom. 41 no. 9:22-25 Ag '63.

WOOD-USING INDUSTRIES—FIRES AND FIRE PREVENTION

Vitamin meal. P. Bakin. Pozh. delo 9 no. 9 11-12 S '63.

WOOD WASTE

Estimating wood waste as a secondary raw material. G. M. Benenson. Les. prom. 40 no. 3:23-24 Mr '62.

WOOD WASTE—PRICES

For uniform calculated prices of waste. F. Varaksin, M. Kuklin. Les. prom. 40 no. 9 26-28 S '62.

WOODEN BEARINGS

Semiautomatic line for machining halfs of wooden bearings V. G. Dolzhenko. Biul. tekh.-ekon. inform Gos nauch.-issl. inst. nauch. i tekh inform 16 no 8:34-36 '63.

WOODPULP

Behavior of cellulose fibers in beating. N. P Perekal'skii, V. F. Filatenkov. Trudy LTITSBP no. 11:5-12 '62.

Bisulfite high-yield woodpulp and semichemical woodpulp obtained with soluble bases. N. A. Galeeva. Trudy LTITSBP no. 11:68-72 '62.

Development of plasticity in fibers during beating and the effect of pulp stock plasticity on its sheet formation properties. Report No. 1. V. P. Alikin, N. P Perekal'skii. Trudy LTITSBP no. 11:13-17 '62.

WOODPULP (Continued)

Studying the process of woodpulp grinding by the alternate pressure method. P. Perekal'skii, B. P. Mikin. Trudy LTITSBP no. 11:15-29 '62.

Use of optical and electron microscopes for studying bleached commercial pulps. L. F. Akim, L. IA. Zhukova, P. I. Gorshin. Trudy LTITSBP no. 11:54-59 '62.

WOODPULP INDUSTRY

Barmov, N. A. [Manual for the operator of acid preparation plants in sulfite pulp mills] Posobie kislotchiku sul'fitno-tsellyulozhnogo proizvodstva. Moskva, Goslesbumizdat, 1963. 155 p.

Utilization of fast-growing species in the pulp and paper industry. P. Kutcinskova. Les. khoz. 16 no. 7:66-68 Jl '63.

WOODPULP INDUSTRY—EQUIPMENT AND SUPPLIES
(see also subdivision under Segezha)

Classification of conical beaters. I. L. Shil'nikov. Trudy LTITSBP no. 11:27-33 '62.

Electrostatic device for the continuous measurement of stock concentration in the production lines of woodpulp and paper industries. N. P. Perekal'skii, S. I. Emel'yanov. Trudy LTITSBP no. 11:203-205 '62.

Investigating the process of pulp beating in a conical mill. Report No. 1. N. P. Perekal'skii, I. L. Shil'nikov. Trudy LTITSBP no. 11:34-42 '62.

[Technology and equipment of the papermaking and printing industry] Ref. zhur.: Tekh. i obor. bumagodel. i poligr. proizv. no. 20 O '63.

WOODWORK

Pneumatic frame for assembling sectional wooden constructions. A. N. Semianov. Der. prom. 12 no. 9:22-23 S '63.

Repairing contour-pressed rollers. L. N. Fedotova. Der. prom. 12 no. 4:29-30 Ap '63.

Vacuum planning of scantling parts on jointing machines. V. F. Vigodskii. Der. prom. 12 no. 4:4-6 Ap '63.

WOODWORK—STUDY AND TEACHING

Woodwork. V. Tamm, G. Fabrichnova. Doshk. vosp. 36 no. 7:43-49 Jl '63.

WOODWORKING INDUSTRIES
(see also subdivision under Czechoslovakia, Margelan)

Results of the contest for the best scientific and technological work among collectives and members of the Scientific and Technical Division. Der. prom. 12 no. 9:24-25 S '63.

Some results and tasks of research on wood processing. M. I. Saltykov. Der. prom. 12 no. 4:1-3 Ap '63.

Standard designs of the State Institute for Design and Planning in the Lumber, Timber-Floating, and Woodworking Industries. N. A. Borisov. Les. prom. 41 no. 7:31 Jl '63.

Uspisskii, P. P. [Study of materials used in the woodprocessing industries] Materialovedenie derevoobrabatyvaiushchikh proizvodstv. Moskva, Goslesbumizdat, 1962. 279 p.

Tasks of engineers and technicians in the light of the decisions of the 22d Congress of the CPSU. Les. prom. 40 no. 3:1-2 Mr '62.

WOODWORKING INDUSTRIES—BIBLIOGRAPHY see Bibliography—Woodworking industries

WOODWORKING INDUSTRIES—ECONOMIC ASPECTS

About the brochure "Financial plan of a woodworking enterprise." N. M. Al'terman. Der. prom. 12 no. 9:27 S '63.

WOODWORKING MACHINERY

Analyzing the performance of the automatic feeders of circular sawing, milling, and jointing machines. M. D. Shapiro, V. I. Evstiukhin. Der. prom. 12 no. 10:15-17 O '63.

Calculating the size of the chips in wood chipping. N. P. Rushnov. Gidroliz i lesokhim. prom. 16 no. 6:13-15 '63.

Effect of some factors on the wear resistance of woodcutting knives. O. M. IAkovleva. Der. prom. 12 no. 4:11 Ap '63.

Guiding nozzle for the SVPA drilling and grooving machine. N. V. Modin, A. A. Alekseev. Der. prom. 12 no. 6:9-10 Je '63.

Knives with glued-in hard-alloy blades. I. P. Zakharenko, I. Kh. Chepovetskii, D. A. Sirota. Der. prom. 12 no. 6:23-24 Je '63.

Pneumatic clamps of drilling machines. V. N. Grigor'ev. Der. prom. 12 no. 9:21 S '63.

The ShOS openside tenon-cutting machine with conveyor feeder. M. M. Gorelik, V. S. Borisenko. Der. prom. 12 no. 9:13-15 S '63.

Sharpening hard-alloy wood-cutting instruments with diamond rings. B. N. Bakul', I. P. Zakharenko, I. Kh. Chepovetskii. Der. prom. 12 no. 9:8-9 S '63.

Semiautomatic drilling and grooving machine. A. I. Vorob'ev. Der. prom. 12 no. 4:27-28 Ap '63.

Textbook on the assembly, operation, and repair of woodworking equipment. M. M. Tendler. Der. prom. 12 no. 10:26 O '63.

The TR5-100 chipper. Der. prom. 12 no. 1:3 of cover Ap '63.

WOODWORKING MACHINERY—MAINTENANCE AND REPAIR

Standards in the planned system of preventive maintenance. G. V. Shchugov. Der. prom. 12 no. 6:16 Je '63.

WOODY PLANTS
(see also subdivision under Dnepropetrovsk; Ural Mountains)

A valuable manual on forest seed production. L. N. Gribanov. Les. khoz. 16 no. 7:90-91 Jl '63.

WOOL

From the editor's mail. Sots. trud. 8 no. 7:131-132 Jl '63.

WOOL—CLEANING

New method for wool scouring. G. M. Polotovskii. Tekst. prom. 23 no. 9:90 S '63.

New method of tagging and removing vegetable impurities from the eastern coarse and medium coarse wool. I. M. Orlov. Tekst. prom. 23 no. 9:41-44 S '63.

WOOL—GRADING

Fine sheep wool. E. K. Deikhman, V. N. Deev, O. V. Kochetova. Standartizatsiia 27 no. 9:41-46 S '63.

WOOL INDUSTRY—FINANCE see subdivision under Bryansk Province

WORK

Book on the beauty of creative work. L. Kraichik, V. Ptingel. Sots. trud. 8 no. 9:155-157 S '63.

Daily observations of nature and work activities of man. E. A. Valer'ianova. Nach. shkola 31 no. 9:88-89 S '63.

Meditation at the Wall of Communards. V. Ermilov. Ogonek 41 no. 21:4-5 My '63.

Work as a means of training. Z. Leont'eva. Doshk. vosp. 36 no. 7:38-41 Jl '63.

WORK—CONGRESSES

The Fourth All-Union Conference on Labor Physiology. N. Kalinina. Sots. trud. 8 no. 9:147-148 S '63.

WORK CLOTHES
(see also subdivision under Ukraine)

Work clothes for rafters. A. F. Pervov, V. F. Sukmanov. Les. prom. 41 no. 6:32 Je '63.

WORKBOATS

The attack was successful. P. Ukhtomskii. Ogonek 41 no. 40:6 S '63.

WORKS COUNCILS
(see also subdivision under Great Britain)

Work of a factory committee on industrial safety. Okh. truda i sots. strakh. 6 no. 8:40-44 Ag '63.

WORLD FEDERATION OF TRADE UNIONS—CONGRESSES

The W. F. T. U. challenges the credentials of the South African workers' delegate. Louis Saillant. Vsem. prof. dvizh. no. 7/8:15 Jl-Ag '63.

WORLD POLITICS

Advice on methods. M. Medvedev. Mezhdunar. zhizn' 10 no. 9:157-159 S '63.

Starushenko, G. B. [Against the export of counterrevolution] Protiv eksporta kontrrevoliutsii. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. VII Seriia: Mezhdunarodnaia, no. 16)

Brief news on international events. Nov. vrem. 21 no. 37:32 S '63.

Brief news on international events. Nov. vrem. 21 no. 38:32 S '63.

Brief news on international events. Nov. vrem. 21 no. 40:32 O '63.

Brief notes on international events. Nov. vrem. 21 no. 42:32 O '63.

Beglov, S. I., V. V. Zhurkin, and M. G. Sturua. [Current problems of world politics; Quarterly international review, April-June, 1963] Tekushchie problemy mirovoi politiki. Ezhekvartal'noe mezhdunarodnoe obozrenie (aprel'-iiun' 1963 g.). Moskva, Izd-vo "Pravda," 1963. 54 p.

First time in history. Kul't. i zhizn' 7 no. 8:2-3 '63.

Israelian, V. L., ed. [From the history of international relations] Iz istorii mezhdunarodnykh otnoshenii. Moskva, Izd-vo IMO, 1963. 183 p.

In defense of civilization. Abd al-Wahhab al-Bayaty. Az. i Afr. segodnia no. 10:37 O '63.

In various languages. A. Solodovnikov. Mezhdunar. zhizn' 10 no. 10:77-85 O '63.

International notes. Nov. vrem. 21 no. 42:21-23 O '63.

International notes. Nov. vrem. 21 no. 37:22-23 S '63.

International notes. Nov. vrem. 21 no. 39:22-24 S '63.

International notes. Nov. vrem. 21 no. 41:22-24 O '63.

"International relations after the War." Vol. I (1945-1949). Reviewed by M. I. Il'in. Nov. vrem. 21 no. 9:118-121 S '63.

Let's live in peace and friendship. N. Popova. Pod. i zhil. no. 2:[illegible]

Make the most of the first [illegible]. Mezhdunar. zhizn' 10 no. 10:[illegible]

Methodical advice. M. Medvedev. Nov. vrem. no. 10:148-149 O '63.

The national liberation movement of [illegible]. G. Starushenko. Mezhdunar. [illegible] 3:10 O '63.

Peaceful coexistence and the class [illegible]. Agitator no. 20:11-13 O '63.

Triumph of the ideas of the Great Oct[illegible]. S. Levitin. Polit. samoobr. 7 no. 10:[illegible]

World politics and the struggle of [illegible]. Popin, V. Sukhodev. Mir. ekon. i m[illegible] no. 9:3-11 '63.

WORLD WAR, 1939-1945
(see also subdivision under Borisov, [illegible] Dnieper River, Donets Basin, Europe, [illegible] France, Japan; Kiev; Latvia, Lithuania, [illegible] Rovno Province, Sevastopol, Ukraine, [illegible]

Birth of a partisan song. Oktiabr' [illegible] no. 5:41-45 My '63.

Chronicle of outstanding victories. Al. Al[illegible] Voen. vest. 43 no. 11:129-132 N '63.

Early period of the Great Patriotic War. A. Tarasov. Voen.-ist. [illegible]

Heroism and skill of antiaircraft gunners. Vest. protivovozd. obor. no. 11:15 N '63.

Ideological and political work of the [illegible] in front-line areas in the winter of [illegible]. Voen.-ist. [illegible]

Legends are confirmed. Sov. voin. 15 [illegible]

New books on the military operations [illegible] IA. Zhukin. Voen.-ist. [illegible]

A new book on the Second World War. [illegible] Voen. ist. zhur. 5 no. 8:88-92 Ag '63.

Pursuit of the enemy by formations of [illegible] vehicles. V. Fedorenko. Voen. [illegible] 95-97 Ag '63.

War of the whole people. 1941-1945. [illegible] no. 5:5, 6, 9, 11, 13 My '63.

WORLD WAR, 1939-1945—AERIAL OPERATIONS

Flight above an airport. A. Ge[illegible]. Vest. protivovozd. obor. no. 11:79 N '63.

WORLD WAR, 1939-1945—ART AND [illegible]

Suzdalev, P. K. [Soviet artists during the [illegible] War and in the initial postwar years] Sovetskoe iskusstvo v period Velikoi Otechestvennoi voiny i [illegible] poslevoennye gody. Moskva, Izd-vo "Sovetskii khudozhnik," 1963. 63 p. illus.

[War artists from the M. B. Grekov Studio of the Great Patriotic War, reminiscences, documents, letters] Voiny-khudozhniki Studii imeni M. B. Grekova na frontakh Velikoi Otechestvennoi. Vospominaniia, dnevniki, dokumenty, pis'ma. Leningrad, Khudozhnik RSFSR, 1962. [illegible]

WORLD WAR, 1939-1945—ATROCITIES

Open letter to the Mayor of Lyons, [illegible] others. Nov. vrem. 21 no. 41:[illegible]

WORLD WAR, 1939-1945—CAMPAIGNS

Military calendar. Voen. znan. [illegible]

WORLD WAR, 1939-1945—DIPLOMATIC [illegible]

Israelian, V. L., ed. [From the history of international relations] Iz istorii mezhdunarodnykh [illegible] skva, Izd-vo IMO, 1963. 183 p.

The U. S. S. R. and the neutral states of [illegible] World War. A. S. Kim. Vop. ist. [illegible] '63.

WORLD WAR, 1939-1945—NAVAL OPERATIONS, SUBMARINE

Tarskii, IU. S. [Submarine watch] [illegible] Moskva, DOSAAF, 1962. 77 p.

WORLD WAR, 1939-1945—PERSONAL NARRATIVES
(see also subdivision under Europe, [illegible]

Zarubin, S. M. [Along the trail of a [illegible] er, a documentary tale] Tropoi [illegible] tal'naia povest'. [Moskva] Molodaia [illegible] 175 p.

Explosion at night. N. Alekmankov. [illegible] no. 5:16-17 My '63.

Shutov, S. F. [Red arrows] Krasnye strely. [illegible] Voenizdat, 1963. 269 p. (Voennye [illegible]

Reward posthumously to the living. [illegible] 15 no. 18:11-15 S '63.

[War artists from the M. B. Grekov Studio of the Great Patriotic War, reminiscences, documents, letters] Voiny-khudozhniki [illegible] Grekova na frontakh Velikoi Otechestvennoi. Vospominaniia, dnevniki, dokumenty, pis'ma. Leningrad, Khudozhnik RSFSR, 1962. 367 p. [illegible]

WORLD WAR, 1939-1945—PERSONAL NARRATIVES, GERMAN

The SS today. D. B. Mezhdunar. zhizn' 10 no 10 115-143 O '63

WORLD WAR, 1939-1945—SUBMARINE

Bykhovskii, I. A. [Heroic "Pantera"] Geroicheskaia "Pantera." [Leningrad] Lenizdat, 1963 292 p.

WORLD WAR, 1939-1945—TRANSPORTATION

Kumanev, G. A. [Employees of Soviet railroads during the Great Patriotic War, 1941-1945] Sovetskie zheleznodorozhniki v gody Velikoi Otechestvennoi voiny (1941-1945) [Moskva] Izd-vo Akad. nauk SSSR, [1963] 321 p.

WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Homeland of heroes. G. Shpieregen. Sem'ia i shkola 13 no. 9:20-21 S '63.

WORMS, INTESTINAL AND PARASITIC

(see also subdivision under Amur River; Kazakhstan; Omsk Province; Russia, Northwestern)

Effect of dairy products on the intestinal helminths in swine. A. I. Chubis, IA. S. Kamyshanskii. Vest. sel'khoz. nauki [Kazakh.] 6 no. 8 59-64 Ag '63.

Effectiveness of piperazine salts in group dehelminthization of swine. G. J. Plaan. Veterinariia 39 no. 9: 34-36 S '62.

L. Shimanenko, V. A. [Helminthic diseases and their prevention] Glistnye zabolevaniia i ikh preduprezhdenie. Moskva, Medgiz, 1963. 31 p. (Nauchno-populiarnaia n editsinskaia literatura) (DNLM)

Role of wild birds in the infestation of domestic ducks by helminths. G. A. Kotel'nikov. Veterinariia 39 no. 9: 33-36 S '62.

WORMWOOD see subdivision under Trans-Ili Alatau

WOUNDS—TREATMENT

Co-prevention of complications and treatment of minor injuries in the Karabulak sugar factory. P. A. Iskanak. Zdrav. Kazakh. 23 no. 2:72-73 '63

WRAPPING MACHINES

Automatic dishributing device for the automatic caramel wrapping machines. D. S. Polunovskii. Khleb. i kond. prom. 7 no. 6 34-35 Je '63.

Using the PZA semiautomatic machine for wrapping chocolate bars. G. N. Korovianskaia. Khleb. i kond. prom. 7 no. 6:38 Je '63.

WRESTLING

[Classic and free style wrestling; contest rules] Klassicheskaia i vol'naia bor'ba, pravila sorevnovanii. 2., izd. Moskva, Izd-vo "Fizkul'tura i sport," 1963. 71 p.

WRIST—FRACTURE

Fractures of the navicular bone of the wrist. Z. K. Bashurov. Ortop., travm. i protez no 1 34-38 '63

WRITING—IDENTIFICATION

Temlin, V. V. [Physiology, pathology and medicolegal expertise on hand writing, on medicolegal identification of persons by their handwriting] Fiziologiia, patologiia i sudebnomeditsinskaia ekspertiza pis'ma, k sudebnomeditsinskomu otozhdestvleniiu lichnosti po rukopisnomu tekstu. Moskva, Medgiz, 1963. 234 p.

WRITING, GOTHIC

Nomenclature of so-called "Gothic writing" in the manuscripts of the 13th-15th centuries [with summary in French] V. I. Romanova. Sred. vek. no. 23 40-43 '63.

WULFENITE CRYSTALS—GROWTH

Crystallization of wulfenite ($PbMoO_4$) under hydrothermal conditions. L. I. Dem'ianets, L. S. Garashina, B. N. Litvin. Kristallografiia 8 no 5:800-803 S-O '63

X-RAY CRYSTALLOGRAPHY

Analysis of Laue's interference function. IU. A. Bagriatskii. Kristallografiia 8 no. 5 706-710 S-O '63

More precise definition of certain formulae and concepts in the theory underlying Fourier's analysis of the profile of X-ra. interferences. V. V. Kukol'. Kristallografiia 8 no 5 812-813 S-O '63

Optical relation between mosaic blocks measured by the X-ray diffraction method. I. A. Zazovskaia, O. N. Shivran. Kristallografiia 8 no 5 747 S-O '63

Shape effect in X-ray scattering by single crystals of supersaturated solid solutions of (K, Na)Cl in process of decomposition. R. A. Zvinchuk, A. M. Elistratov. Kristallografiia 8 no 5 715-723 S-O '63

X-ray analysis of microquantities of minerals [with summary in English]. Vl. A. Kaluzhnyi, Z. I. Iorysh. Min. sbor. no. 17:403-407 '62.

X-RAY DIFFRACTION EXAMINATION

Dependence of the substructure on nonuniform concentration in alloys. V. G. Liutsau, B. M. Rovinskii. Kristallografiia 8 no 5 742-746 S-O '63

Effect of the conditions of producing thin cadmium sulfide films on their crystalline structure. E. V. Shalimova and others. Kristallografiia 8 no 5 771-777 S-O '63

X-ray diffraction study of the surface layer of some heat resistant alloys after heat treatment in various gas media. V. V. Zhukov, A. A. Nilov. Trudy KAI no. 66 111-116 '61.

X-RAY SPECTROSCOPY

Nonmetallic inclusions in binary nickel alloys with aluminum, manganese and silicon. V. A. Urazova, O. V. Diamant, Sui IUi-tszian' [Sui Yu-chien]. Izv. AN SSSR Otd. tekh. nauk, Met i gor. delo no. 4:145-150 Jl-Ag '63

On certain results of an X-ray spectrum analysis of cerium and lanthanum hydrides. F. L. Vainshtein and others. Dokl. AN SSSR 151 no. 6:1360-1363 Ag '63.

Radicals of the formula (Si_mO_n) and their X-ray emission spectra Si_{Ka}, brief comments [with summary in French]. Konstantin Kuritenko. Min. sbor. no 16:45-47 '62

Theory of a two-crystal spectrometer. D. I. Lainer, R. L. Petrusevich, S. Sh. Shil'shtein. Kristallografiia 8 no 5 711-714 S-O '63

X RAYS—DIFFRACTION

Simplified method for determining the position of the maximum of the true profile of the broadened X-ray diffraction line of a crystal. V. V. Kukol'. Kristallografiia 8 no 5 813-814 S-O '63

X RAYS—EQUIPMENT AND SUPPLIES

Device for double contrast radiography in examinations of the cardial region of the stomach. E. M. Byshevskii. Vest. rent. i rad. 38 no. 1 60 Ja-F '63.

Lengthening the slit mechanism in the G-55 fluorograph. F. P. Savochenko. Vest. rent. i rad. 38 no 1 61-62 Ja-F '63.

Scattering screen for radiographs on the operating table. M. S. Stafilevskii. Vest. rent. i rad. 38 no. 1 59-60 Ja-F '63

Use of an FKG-1 fluorographic photographic camera for operation with nonperforated film. V. A. Novikov. Vest. rent. i rad. 38 no 1 60-61 Ja-F '63

X RAYS—PHYSIOLOGICAL EFFECT

Clinical aspects and treatment of ulcers caused by X rays. Lluben Metodiev Todorov. Med. rad. 7 no. 12: 28-32 D '62.

X RAYS—SAFETY MEASURES

Gavrilov, G. F., V. S. Bezel', and B. L. Dvinlaninov. [Safety measures in X-ray defectoscopy] Bezopasnost' raboty rentgenologa pri defektoskopii. Moskva, Mashgiz, 1963 77 p. (Biblioteka kontrolera — mashinostroitelia, no. 8)

X RAYS—SCATTERING

Characteristics of the thermal vibration spectrum. V. I. Borisov, D. Z. Vintaikin, L. P. Potapov. Fiz. tver. tela 5 no. 9:2530-2537 S '63.

X RAYS—THERAPEUTIC USE

Protein fractions of the blood serum and the state of the connective tissue of the skin in eczema patients receiving teleroentgenotherapy. G. M. Beliaev. Vrach delo no. 9:88-93 S '63.

XANTHOTOXIN

Meladinine therapy of disseminated forms of vitiligo, and alopecia areata and universalis [with summary in English]. I. N. Vinokurov, E. K. Roznikov, P. N. Chernova. Vest. derm. i ven. 37 no. 1:42-46 Ja '63.

XEROGRAPHY

Electrographic copying and reproducing machines. D. L. Kazachkov. Mekh. i avtom. proizv. 17 no. 9 44-47 S '63.

XYLENE

Influence of certain factors on froth-forming process during the oxidation of p-xylene. T. P. Burmistrova, N. N. Terpilovskii, V. V. Nesmelov. Trudy KKHTI no. 30 289-295 '62.

YACHTS AND YACHTING

Best yachtsmen on a raid. V. Chebotarev. Sov. voin 45 no. 17:44-45 S '63.

YAKUTIA—BORING MACHINERY

Drilling with diamond-impregnated bits in Yakutia. A. N. Vasil'ev. Trudy MGRI 39:128-131 '63.

YAKUTIA—DIAMONDS

Burenkov, M. I. [Fate] Sud'by. Moskva, Izvestiia, 1962. 132 p. (MH)

Using three-roller bits in drilling with scavenging in prospecting for indigenous diamond deposits in Yakutia. I. P. Elmanov. Trudy MGRI 39:112-120 '63.

YAKUTIA—GEOLOGICAL SURVEYS

Pechenkin, A. M. [From brigades to a communist labor enterprises] Ot brigad—k predpriiatiiu kommunisticheskogo truda. IAkutsk, IAkutskoe knizhnoe izd-vo, 1963 39 p.

[MICROFILM]

YAKUTIA—GEOLOGICAL TIME

Igneous activity and ore formation in northeastern Yakutia in the light of absolute age data. N. I. Nenashev. Izv. AN SSSR, Ser. geol. 28 no. 9:6-17 S '63.

YAKUTIA—KIMBERLITE

Connection between the chemical and mineralogical composition of kimberlites. I. P. Ilupin. Trudy MGRI 39 73-76 '63.

Use of magnetic prospecting for mapping various types of kimberlites in the pipes of complex structure. D. L. Savrasov, I. P. Ilupin. Geol. i geofiz. no. 8 96-100 '63.

YAKUTIA—MAGNETIC PROSPECTING

Use of magnetic prospecting for mapping various types of kimberlites in the pipes of complex structure. D. L. Savrasov, I. P. Ilupin. Geol. i geofiz. no. 8:96-100 '63.

YAKUTIA—ORE DEPOSITS

Igneous activity and ore formation in northeastern Yakutia in the light of absolute age data. N. I. Nenashev, Izv. AN SSSR, Ser. geol. 28 no. 9:6-17 S '63.

YAKUTIA—ROCKS, IGNEOUS

Igneous activity and ore formation in northeastern Yakutia in the light of absolute age data. N. I. Nenashev. Izv. AN SSSR, Ser. geol. 28 no. 9 6-17 S '63.

YAKUTIA—THERMAL WATERS—ANALYSIS

Nakhot thermal mineral springs in southern Yakutia. S. M. Lotiev. Geol. i geofiz. no. 8:109-113 '63.

YALUTOROVSK DISTRICT—STATE FARMS—MANAGEMENT

The trade-union committee is the organizer of competition. A. Sargin. Sov. profsoiuzy 19 no. 16:29-31 Ag '63

YARN

Bleaching of cotton yarn and yarn products with sodium chloride. V. M. Bel'tsov and others. Tekst. prom. 23 no. 9:70-73 S '63.

Trends in the efficient utilization of combing for short flax fibers and wastes. S. V. Tarasov and others. Nauch.-issl. trudy TSNIILV 16 99-117 '62.

YAROSLAVL—TEXTILE INDUSTRY

The new schedule has totally justified itself. M. Mogutnov, S. Karasev. Sots. trud 8 no. 9 85-86 S '63

YAROSLAVL PROVINCE—COOPERATIVE SOCIETIES

We don't need papers but tangible work. S. Zharkov. Sov. potreb. koop. 7 no. 9 36-38 S '63.

YAROSLAVL PROVINCE—PUBLIC HEALTH—CONGRESSES

Seventh Congress of the Medical Workers of Yaroslavl Province. IU. N. Verkhovskii. Zdrav. Ros. Feder. 7 no. 8:47 Ag '63

YAROSLAVL PROVINCE—RETAIL TRADE—FINANCE

But there were possibilities.... V. Letavin. Sov. potreb. koop. 7 no. 7 26-28 Jl '63.

YAROSLAVL PROVINCE—RIVERS

Dependence of the minimum discharge from physicogeographical conditions of river basins. V. L. Rokhmistrov. Meteor. i gidrol. no. 9:31-38 S '63.

YASENOV—SOCIAL LIFE AND CUSTOMS

Socialist changes in the mode of life of the workers in Yasenov village, Oleshko District, Lvov Province. V. P. Vas'kiv. Mat. z etn. ta mystetstvoznav. no. 7/8: 31-36 '62.

YASNAYA POLYANA—GUIDEBOOKS

Yasnaya Polyana. Muzei-usad'ba L. N. Tolstogo. [Yasnaya Polyana. Park, house-museum and literary museum; guidebook] IAsnaia Poliana. Zapoverdenik, dom-muzei, literaturnyi muzei; putevoditel'. [Tula] Tul'skoe knizhnoe izd-vo, 1963 157 p.

YEAST

Activitation of pure yeast culture by biogenetic stimulators. S. S. Novakovskaia. Khleb. i kond. prom. 7 no. 6:13-16 Je '63.

Nonsugars of molasses and their role in the preparation of yeast. L. D. Belova. Khleb. i kond. prom. 7 no. 9: 14-16 S '63.

Some characteristics of yeast cell multiplication under the conditions of continuous fermentation. M. T. Denshchikov, S. S. Rylkin, A. IU. Zhvirblianskaia. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom no. 9 22-32 '62.

Studying the flocculation capacity of yeast under the conditions of continuous fermentation. M. T. Denshchikov, S. S. Rylkin, A. IU. Zhvirblianskaia. Trudy TSentr. nauch.-issl. inst. piv., bezalk. i vin. prom. no. 9:32-39 '62.

YEVPATORIYA—HEALTH RESORTS, WATERING PLACES, ETC.

Grigor'ev, V. N., and I. S. Severnov. [The resort of Yevpatoriia, its raps and rest at the resort of Yevpatoriia] Kurort Evpatoriia, lechenie i otdykh na Evpatoriiskom kurorte. Simferopol', Krymizdat, 1963. 130 p. (DNLM)

YOSHKAR-OLA—SPRAYING AND DUSTING EQUIPMENT

Yoshkar-Ola Repair Plant. V. P. Bastrakov. Zashch. rast. ot vred. bol. 8 no. 8 32 Ag '63.

YOUNG COMMUNIST LEAGUE see Communist Youth League

YOUTH
(see also subdivision under France)

Causes of the origin and manifestation of religious beliefs among adolescents. G. G. Bykova. Sov. pedag. 27 no. 8 31-40 Ag '63.

History of services to youth in the Leningrad Public Library. V. V. Efimova. Trudy [Len.] publ. bibl. 11: 3-10] '63.

Let us respect the feelings of youth. Konstantin Lapin. Semia i shkola 18 no. 9 11-12 S '63.

[The relay race is on] Estafeta v dorozi. Kyiv, Vyd-vo TsK LKSMU "Molod," 1963. 209 p.

Ten, -four years, is it too much or not enough? Tursunoi Akhunova. Mol. Komm. no. 6 3-7 Je '63.

YOUTH—EMPLOYMENT

[Labor rights of young specialists] Trudovye prava molodykh spetsialistov. Moskva, Gosiurizdat, 1963. 55 p. (Iuridicheskie konsul'tatsii dlia naselenia v voprosakh truda)

YOUTH—INTERNATIONAL COOPERATION

Rapids on the river of friendship. V. Shevchenko. Smena 40 no. 15:12-13 Ag '63.

YOUTH IN LITERATURE

Simplicity" or "complexity?" N. V. Alekseieva. Rad. lit. 7 no. 4:3-16 Jl-Ag '63.

YTTRIUM COMPOUNDS

Complex formation of yttrium with ethylenediaminetetraacetic acid. I. V. Tananaev, G. S. Tereshin. Zhur. neorg. khim. 8 no. 10:2258-2270 O '63.

YTTRIUM ISOTOPES—PHYSIOLOGICAL EFFECT

Comparative distribution of colloid solutions of radioactive yttrium salts in animals during intra-abdominal administration [with summary in English] M. A. Volkova, S. G. Pel'man, S. L. Dertilova. Med. rad. 7 no. 12 3-7 D '62.

YTTRIUM ISOTOPES—THERAPEUTIC USE

Radiometry of granules of activated yttrium [with summary in English]. N. G. Morozova, F. M. Llass. Med. rad. 7 no. 12:59-61 D '62.

YUGOSLAVIA—FOREIGN ECONOMIC RELATIONS

Visiting the Yugoslav industrial plants. Iu. Zhilin, V. Zagladin. Nov. vrem. 21 no. 42:24-26 O '63.

YUGOSLAVIA—FOREIGN RELATIONS—RUSSIA

The new and the old. Nov. vrem. 21 no. 37 1-2 S '63.

YUGOSLAVIA—INDUSTRIES

Visiting the Yugoslav industrial plants. Iu. Zhilin, V. Zagladin. Nov. vrem. 21 no. 42, 24-26 O '63.

YUGOSLAVIA—MANUFACTURES

Citizens of Kiev become acquainted with Yugoslav manufactures. Vs. Vedin. Vnesh. torg. 43 no. 9 10-11 '63.

YUGOSLAVIA—MAPS

From the pages of the Geographical Atlas of Yugoslavia. N. F. Leont'ev. Geod. i kart. no. 9 58-62 S '63.

YUZHNOURAL'SK—CONSTRUCTION WORKERS

Happiness of working families. Aleksandr Shmakov. Kul't. i zhizn' 7 no. 2:27-28 '63.

ZAILIYSKIY ALATAU see Trans-Ili Alatau

ZAN'KOVETS'KA, MARIIA KOSTIANTYNIVNA, 1860-1934

Knysh, Irena. [Three contemporaries, 1860-1960; on the centenary of the birth of Uliana Kravchenko, Mariia Bashkirtseva, and Mariia Zan'kovets'ka] Try rovesnytsi, 1860-1960, do storichchia narodyn Uliany Kravchenko, Marii Bashkirtsev, Marii Zan'kovets'koi. (Winnipeg, National Publishers, 1960?] 320 p. illus. [With summary in English]
(MiD) (InU)

ZAPATA, EMILIANO, 1879 (ca.) - 1919

In the footsteps of Villa and Zapata. A. Pavlenko. Nov. vrem. 21 no. 38 25-29 S '63.

ZAPOROZH'YE—METALWORK

At the "Zaporozhstal'" plant. F. A. Ksenzuk and others. Stal' 23 no. 6:554-562-572-575 Je '63.

ZAPOROZH'YE—RESTAURANTS, LUNCHROOMS, ETC.

Matter of paramount importance. D. Arkad'ev. Obshchestv. pit. no. 8,7 Ag '62

ZAPOROZH'YE—ROADS

Work of snow-protection planting on roads in Zaporozh'ye. I. IA. Moroz. Avt. dor. 26 no. 9 12 S '63.

ZAPOROZH'YE—ROLLING MILLS

Slabbing mill operations in the Zaporozhstal' plant. F. Dolmatov, A. Komanovskii. Metallurg 8 no. 9:28-30 S '63.

ZAPOROZH'YE PROVINCE—POLITICS AND GOVERNMENT

Mass control is the most important factor in the present-day work of the soviets of workers' deputies. M. Bubchakchaiskyi. Rad. pravo no. 3 30-33 My-Je '63.

ZAPOROZH'YE PROVINCE—SURVEYING

Subject to public control. [illegible] 41 31 '64

ZAPOROZH'YE PROVINCE—TRACTORS—MAINTENANCE AND REPAIR

Specialization of workshops for repair of particular type. H. M. IAro[illegible] 11 no. 5:26-27 My '63.

ZELINSKII, NIKOLAI DMITRIEVICH

Outstanding scientist and citizen. [illegible] neft'i gaz 6 no. 3 71 '63.

ZEOLITES

Adsorption of dyes by synthetic [illegible] L. N. Mikhnovich, N. [illegible] no. 5:567-571 S-O '63.

Molecular sieves and problems of [illegible] G. A. Bukh and others. Izv. vys. ucheb. zav.; neft' i gaz prom. no. 1 46-53 '63.

ZERNOVOY—FARM MECHANIZATION

Factory on a combine? I. Efimov. [illegible] no. 5 34-38 My '64.

ZEYA-BUREYA PLAIN—GEOLOGY

Tectonics of the Zeya-Bureya Plain. [illegible] Geol. i geofiz. no. 7:85-100 '63.

ZHARMINSKIY DISTRICT—COOPERATIVES

The cooperative came into existence [illegible] farms. P. Shumskii. Koop. i kol. [illegible] '63.

ZHARMINSKIY DISTRICT—STATE FARMS

The cooperative came into existence [illegible] farms. P. Shumskii. Koop. i kol. [illegible] '63.

ZHASHKOV DISTRICT—SUGAR BEETS

Proper care, large crops. P. I. [illegible] Bashkvi, M. V. Kutsarukha. Mekh. [illegible] 6-7 My '63.

ZHDANOV—IRON AND STEEL PLANTS

The "Azovstal'" plant is 30 years old. [illegible] Metallurg 8 no. 8 1-4 Ag '63.

ZHITKOVICHI REGION—ROCKS

Rocks of the Gvirach series in the [illegible] crystalline basement of the Zhitkovichi Region (Russian S. S. R.). A. M. Pap. Dokl. AN SSSR 148 no. 5 1102-1105 Ag '63.

ZHITOMIR PROVINCE—CORN (MAIZE)

Results of growing corn in the Polesye Province. D. K. Vulovenko. Sad. i ogorod. inst. zem. 12 62-73 '62

ZHITOMIR PROVINCE—HOPS

Growing high-quality hop seedlings of the [illegible] variety in Polesye. D. A. Harbuzova. Nauk. zap. Ukr. dosl. stn. khmel. no. 5:9-15 '61

ZHITOMIR PROVINCE—HOPS—FERTILIZERS AND MANURES

Using manganese fertilizers for hops. [illegible] Nauk. pratsi Ukr. dosl. stn. khmel. [illegible]

ZHITOMIR PROVINCE—HOPS—VARIETIES

Introduction of the Clone 18 variety of [illegible] Harbuzova, H. P. Sharonina. Nauk. pratsi Ukr. dosl. stn. khmel. no. 5:16-19 '61.

ZHITOMIR PROVINCE—TEACHERS, TRAINING OF

In the Ministry of Education of the Ukrainian [illegible] Rad. shk. 42 no. 6:108-111 N '63.

ZHUKOVSKII, PETR MIKHAILOVICH, 1893

The 75th birthday of Petr Mikhailovich Zhukovskii. Biul. MOIP, Otd. biol. 68 no. 3:141-142 [illegible]

ZHVANETS—RESTAURANTS, LUNCHROOMS, ETC.—EMPLOYEES

Love of occupation. A. Vasil'ev. Obshch. pit. no. 7:16-17 Jl '63.

ZIMOVNIKI DISTRICT—LUNGWORMS

Treatment of sheep infected with Dictyocaulus [illegible] Vodolazhko. Veterinariia 30 no. 11 40 N '63.

ZIMOVNIKI DISTRICT—PARASITES—SHEEP

Treatment of sheep infected with Dictyocaulus [illegible] Vodolazhko. Veterinariia 30 no. 11 40 N '63.

ZINC

Intermetallic compound of zinc with [illegible] berg, V. E. Gordovskykh. Zhur. neorg. [illegible] 2355-2360 O '63.

ZINC—ANALYSIS

Rapid volumetric analysis of zinc. [illegible] Bleshinskii, A. G. Nugaeva. Izv. AN Kirg. SSR. Ser. tekh. nauk 5 no. 4:35-49 '63.

ZINC—ANALYSIS (Continued)

Rapid volumetric analysis of zinc Report No. 2 S V. Bleshinskii, A. G. Nagaeva, Izv AN Kir SSR Ser est i tekh. nauk 5 no 4 51-58 '63.

Tetheyanatomercurate-radiometric method for determining zinc. S V. Bleshinskii, A. G Nagaeva, V. F. Abramova. Izv. AN Kir. SSR, Ser., est i tekh. nauk 5 no 4 27-33 '63.

ZINC—ELECTRIC PROPERTIES

Current-voltage investigation of the anodic behavior of zinc in aqueous solutions G S Vozdvizhenskii, E D Kochmas Trudy KKHTI no 30 240-252 '62

ZINC CRYSTALS

Formation of semiconducting films of zinc telluride on zinc single crystals in reactive diffusion. N N. Sirota, N N Korsun' Dokl AN BSSR 7 no. 6 373-375 Je '63

ZINC IN THE BODY

Zinc content in the blood and plasma of children with pneumonia. E. S. Gorden. Dokl. AN BSSR 7 no. 8:569-571 Ag '63.

ZINC ISOTOPES—PHYSIOLOGICAL EFFECT

Effect of prolonged internal irradiation with radioactive zinc on the biochemical activity of the rabbit brain. V.G Ovakimov. Med rad no 1 45-46 '63

ZINC ORES
(see also subdivision under Kirghizistan)

Flotation of oxidized zinc minerals V M Arashkevich, M N. Belov. Izv. vys ucheb zav., gor zhur 6 no. 3:180-186 '63.

ZINC PLATING

Effect of surface treatment and the conditions of zinc plating on the quality of steel wire coatings. N. V. Sokolov and others. Stal' 23 no. 9 856-857 S '63.

ZINC SULFIDE

Interaction of zinc sulfide with sodium plumbite. E. I. Ponomareva and others. Trudy Inst. met. i obog. AN Kazakh. SSR 6 30-33 '63.

ZININ, NIKOLAI NIKOLAEVICH, 1812-1880

Contribution of N. N. Zenin to the development of the chemistry and technology of oils and fats. A. S. Khrucheyich. Masl.-zhir. prom. 29 no. 9:16-17 S '63.

ZIRCON see subdivision under Il'men Mountains, Vyshevyye Mountains

ZIRCONIUM

Effect of zirconium on the grain size of magnesium alloys with 4.5% of Zn. V. M Babkin. Metalloved. i term. obr. met. no. 9:56-57 S '63.

ZIRCONIUM—ELECTROMETALLURGY

Hafnium behavior in the electrolytic production of zirconium from chloride-fluoride melts. L. E. Ivanovskii, O. S. Petunev. TSvet. met. 36 no. 9:65-69 S '63.

ZIRCONIUM BORIDES

Preparing zirconium boride [with summary in English]. V. I'. Funke, S. I. Udovskii Porosh met. 3 no. 4 49-53 Jl-Ag '63.

ZIRCONIUM CHLORIDES

Vibrational spectra of zirconium complexes with organophosphorus derivatives. Part 2 Complexes of zirconium tetrachloride. G. P. Nikitina, M F Pushlenkov. Radiokhimiia 5 no. 4 456-464 '63.

ZIRCONIUM COMPOUNDS

Complex oxalates of zirconium. G. S. Bochkarev, L. M. Zaitsev, V. N. Kozhenkova. Zhur. neorg. khim. 8 no. 10:2248-2253 O '63.

ZIRCONIUM COMPOUNDS—SPECTRA

Vibrational spectra of zirconium complexes with organophosphorus derivatives. Part I Spectra of extracts from hydrochloric and nitric acid solutions. G P. Nikitina, M. F. Pushlenkov. Radiokhimiia 5 no. 4 436-445 '63.

ZIRCONIUM FLUORIDES

Zirconium tetrafluoride vapor pressure. N. F. Galkin and others. Zhur. neorg. khim 8 no. 9 2021-2023 S '63.

ZIRCONIUM ISOTOPES

Certain characteristics of the behavior of zirconium 95 in carrier-free solutions. L. N. Pankratova, L. G Vlasov, A. V. Lapitskii. Radiokhimiia 5 no. 4:510-520 '63.

ZIRCONYL CHLORIDES

Solubility isotherm of the system $ZrOCl_2$ - $CaCl_2$ - HCl - H_2O at 25°. I. G. Kamaeva, V. V. Serebrennikov. Zhur. neorg. khim. 8 no. 9:2151-2154 S '63.

ZIZIPHORA

Content of cholesterol in the blood serum of rabbits with a myocardiac infarct and the effect of Ziziphora preparations on the level of this sterol. Sh Zh Zhangozin. Izv. AN Kazakh. SSR, Ser med. nauk no. 2,17-25 '63.

Some data on the chemical study of Ziziphora bungeana. A. G. Patagutin. Izv. AN Kazakh. SSR. Ser., med. nauk no. 2 27-29 '63

Study of the toxicity of a glucoside isolated from the herbage of Ziziphora Bunge. Report No. 1. T. A. Suldakhanova. Izv. AN Kazakh. SSR. Ser. med. nauk no. 1:20-22 '63.

ZONE MELTING

Electric slag remelting of heat-resistant, stainless steels V. V Popilin and others. Stal' 23 no 9 805-809 S '63

Induction zone melting of high-melting rare metals. O. P Lokshin, I. K. Berlin, N V. Prusakova. TSvet. met. 36 no 9:59-65 S '63.

Investigating the possibility of steel refining by liquid synthetic slags G. S Ershov, S V Mikhalikov. Izv AN SSSR. Otd. tekh. nauk. Met. i gor delo no 2 33-39 Mr-Ap '63.

Production of EI736 and EI961 steel by the electric slag remelting method G A. Khasin and others Avtom. svar. 16 no. 9 78-81 S '63.

Zone melting as an auxiliary method in the analysis of phase diagrams V. I Korol'kov, G. V Nikitina, V N Romanenko Izv AN SSSR Otd tekh nauk Met. i gor delo no 1:95-99 Ja-Ag '63

ZOOLOGY see subdivision under Khasrov Region

ZOOLOGY—CONGRESSES

Lietuvos TSR Zoologu Konferencija 2d. [Summaries of reports of the Second Zoological Conference of the Lithuanian S S. R.] Tezisy dokladov Vilnius, Akad. nauk Litovskoi SSR 1962 157 p

ZOOLOGY—STUDY AND TEACHING

Club of young zoologists in a Pioneer camp A I. Nikishov. Biol v shkole no. 3 59-63 My-Je '63

ZORINA-TARASOVA, ANNA IL'INICHNA, 1888-1963

Anna Il'inichna Zorina-Tarasova, obituary. Doklk. vosp. 36 no. 9:82-83 S '63.

ZUGDIDI DISTRICT—MOSSES

Leptobarbula Schimp., a new genus in the U. S. S. R. I. V. Dylevskaia. Bot mat. Otd. spor. rast 16:199-202 '63.

ZUTIS, JANIS, 1893-1962

Janis Zutis, 1893-1962. Sried vek no 23:302 '63

ZVENIGORODKA DISTRICT—CANCER—DIAGNOSIS

Organization of the execution of oncological preventive examinations and improvement of the health of women under conditions prevailing in a rural district. N S. Mamchenko. Akush. i gin. no. 2 106-108 '63.

ZWICKAU, EAST GERMANY—AUTOMOBILES

New make of the trabant automobile Avt transp 41 no 5:60 My '63

Monthly Index *of* Russian Accessions

Volume 16, No. 11 February 1964

THE LIBRARY OF CONGRESS
WASHINGTON : 1964

INTRODUCTORY NOTE

The MONTHLY INDEX OF RUSSIAN ACCESSIONS* is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Whenever possible, publications printed in other languages spoken in the Soviet Union are also included.

The MONTHLY INDEX consists of three parts. Part A lists monographic literature, but no accessions published earlier than 1954 are included. To facilitate the use of this INDEX by readers who are not thoroughly familiar with the Russian language, the title in the original language in Part A is preceded by its English translation in brackets.

Part B lists Russian periodicals received, but excludes accessions printed earlier than 1954. Certain Soviet periodicals are being translated into English from cover to cover and published regularly in translation in the United States and other English-speaking countries. A list of such translated periodicals, their publishers, subscription prices, etc., is given at the end of each issue of the *Monthly Index*. In Part B such periodicals are indicated by an asterisk before the periodical title.

Part C provides subject analysis of the monographic titles listed in Part A and of the articles appearing in the periodicals enumerated in the *List of Periodicals Indexed and Abbreviations Used* at the beginning of Part C. The number and letter in parentheses following each abbreviation indicate the class and subclass in which the periodical appears in Part B. For the convenience of readers desiring to examine only monographs or periodical articles, the monographs are printed in slightly heavier type than the periodical articles. The titles of monographs are given both in the original language and in English translation, whereas titles of periodical articles are given in English translation only.

Sample title: Some data on lung-to-heart reflexes in amphibians. A. E. Alekseev. Biul. eksp. biol. i med. 54 no. 12: 18–22 D '62.

Explanation: An article with title given above in English translation, written by A. E. Alekseev, will be found in the December 1962 issue of *Biulleten' eksperimental'noi biologii i meditsiny*, vol. 54, no. 12, pages 18–22.

A cumulative list of periodicals included in the current volume appears in number 12 of that volume. This list is arranged by subject; the symbols of American libraries other than the Library of Congress, known to have files of such periodicals, follow each title.

Except in Part C, the material is divided into 17 subject classes and is arranged alphabetically within each class. In addition, for the convenience of the reader, the serials listed in Part B are divided within each subject class into several subclasses. All entries are transliterated according to the usual Library of Congress system except that ligatures are omitted. Unless otherwise indicated, all listed items are represented in the collections of the Library of Congress. Symbols representing other libraries indicate when items are available in those libraries. Curves ( ) around a symbol indicate that at the time of receipt the material was available in another library but not in the Library of Congress.

Cumulative author, subject, and periodical location indexes to the first four volumes of the MONTHLY INDEX are available as separate publications. Beginning with Volume 5, an author index to the monographs, and a periodical location index for the entire volume are furnished as appendices to the first two issues of the following volume.

Orders for microfilm or photostat copies of the listed items that are in the collections of the Library of Congress may be placed with the Photoduplication Service, Library of Congress, Washington, D. C. 20540

The MONTHLY INDEX OF RUSSIAN ACCESSIONS is for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402

Price of single copies varies; subscription price, $12.00 a year domestic, $16.00 a year foreign. Price of Cumulative Index to Volumes 1–3, $1.50; to Volume 4, $0.60.

L. C. card, 48–46562

*Volumes 1–10 (No. 9), 1948–1957, issued under title *Monthly List of Russian Accessions.*

SYMBOLS OF LIBRARIES REPORTING RECEIPT OF PUBLICATIONS

AAP	Auburn University, Auburn, Ala.
AMAU	Air University Library, Maxwell Air Force Base, Montgomery, Ala.
AU	University of Alabama, University
AzU	University of Arizona, Tucson
C	California State Library, Sacramento
CCC	Honnold Library, Claremont, Calif.
CFS	Fresno State College, Fresno, Calif.
CL	Los Angeles Public Library
CLCM	Los Angeles County Museum Library, Los Angeles
CLL	Los Angeles County Law Library, Los Angeles
CLM	Los Angeles County Medical Association, Los Angeles
CLSU	University of Southern California, Los Angeles
CLU	University of California at Los Angeles
CMthL	University of California, Lick Observatory, Mount Hamilton
CPT	California Institute of Technology, Pasadena
CSf	San Francisco Public Library
CSfA	California Academy of Sciences, San Francisco
CSfU	University of San Francisco, San Francisco
CSmH	Henry E. Huntington Library, San Marino, Calif.
CSt	Stanford University Libraries, Stanford, Calif.
CSt-H	— The Hoover Institution on War, Revolution, and Peace
CSt-L	— Lane Medical Library
CStbS	University of California, Santa Barbara Library, Goleta
CStmoR	Rand Corporation, Santa Monica, Calif.
CU	University of California, Berkeley
CU-A	— University of California, Davis
CU-B	— Bancroft Library, Berkeley
CU-E	— East Asiatic Library, Berkeley
CU-M	— Medical Center, San Francisco
CU-Riv	— College of Arts, Letters and Science, Riverside
CU-S	— Scripps Institution of Oceanography, La Jolla
CaAEU	University of Alberta, Edmonton, Canada
CaBVa	Vancouver Public Library, Vancouver, Canada
CaBVaU	University of British Columbia, Vancouver, Canada
CaBViPA	Provincial Archives, Victoria, Canada
CaMWM	Medical Library of the University of Manitoba, Winnipeg, Canada
CaOKQ	Queen's University, Kingston, Canada
CaOL	London Public Library, London, Canada
CaOOA	Public Archives Library, Ottawa, Canada
CaOOAg	Department of Agriculture, Main Library, Ottawa, Canada
CaOLU	University of Western Ontario, London, Canada
CaOOF	Department of Finance Library, Ottawa
CaOOG	Geological Survey of Canada, Ottawa, Canada
CaOOGB	Geographical Branch, Department of Mines and Technical Surveys, Ottawa, Canada
CaOOH	Laboratory of Hygiene, Ottawa, Canada
CaOOM	Bureau of Mines Library, Ottawa
CaOON	National Research Council, Ottawa, Canada
CaOONM	National Museum, Ottawa, Canada
CaOOS	Dominion Bureau of Statistics, Ottawa, Canada
CaOOU	University of Ottawa, Ottawa, Canada
CaOTM	Library, Meteorological Branch, Air Services, Dept. of Transport, Toronto, Canada
CaOTR	Royal Canadian Institute, Toronto. (Collection included with CaOTU)
CaOTU	University of Toronto, Toronto, Canada
CaQMAI	Arctic Institute of North America, Montreal, Canada
CaQMBM	Bibliothèque de la Ville de Montréal, Collection Gagnon, Montreal
CaQMM	McGill University, Montreal, Canada
CaQMU	La Bibliothèque de l'Université de Montréal, Montreal
CaSSU	University of Saskatchewan, Saskatoon, Canada
CoBBS	U. S. National Bureau of Standards, Boulder Laboratories, Colorado
CoD	Denver Public Library
CoDM	Medical Society of the City and County of Denver
CoFS	Colorado State University, Fort Collins
CoU	University of Colorado, Boulder
CtHT	Trinity College, Hartford, Conn.
CtU	University of Connecticut, Storrs
CtW	Wesleyan University, Middletown, Conn.
CtY	Yale University, New Haven
CtY-L	— Law Library
CtY-M	— Medical School Library
DAIA	American Institute of Architects Library, Washington, D. C.
DAL	U. S. Army Library, Pentagon Building
DBC	U. S. Bureau of the Census Library
DBS	U. S. National Bureau of Standards Library
DC	U. S. Department of Commerce Library
DCU	Catholic University of America Library, Washington, D. C.
DDC	Dominican House of Studies, Immaculate Conception Convent Library, Washington, D. C.
DDO	Dumbarton Oaks Research Library of Harvard University, Washington, D. C.
DFR	Board of Governors of the Federal Reserve System
DI	U. S. Department of the Interior Library
DI-GS	— Geological Survey Library
DM	U. S. Bureau of Mines Library. (Library integrated with DI)
DN	U. S. Department of the Navy Library
DN-HO	— Naval Oceanographic Office Library
DN-Ob	— Naval Observatory Library
DN-RL	Naval Research Laboratory Library, Anacostia Station, Washington, D. C.
DNAL	National Agricultural Library
DNIH	National Institutes of Health Library, Bethesda, Md.
DNLM	U. S. National Library of Medicine
DNW	U. S. National War College Library, Fort McNair
DP	U. S. Patent Office Library
DS	U. S. Department of State Library
DSC	Scottish Rite Supreme Council Library
DSI	Smithsonian Institution Library, Washington, D. C.
DSI-AO	— Astrophysical Laboratory Library
DSI-E	— Bureau of American Ethnology Library
DSI-M	— National Museum Library
DWB	U. S. Weather Bureau Library
DeU	University of Delaware, Newark
FMU	University of Miami, Coral Gables, Fla.
FTaSU	Florida State University, Tallahassee
FU	University of Florida, Gainesville
GAT	Georgia Institute of Technology, Atlanta
GEU	Emory University, Atlanta
GU	University of Georgia, Athens
I	Illinois State Library, Springfield
IArg	Argonne National Laboratory, Argonne, Ill.
IC	Chicago Public Library
ICA	Art Instit
ICAC	American
ICF	Chicago N
ICJ	
ICMILC	
ICN	
ICU	
ICU-Y	
ICarbS	
IEN	
IEN-M	
IHi	
IU	

SUPT. OF DOCS.

IaAS	Iowa State University of Science and Technology, Ames
IaU	State University of Iowa, Iowa City
IdNTS	National Reactor Testing Station, Technical Library, Phillips Petroleum Company, Idaho Falls, Idaho
IdU	University of Idaho, Moscow
In	Indiana State Library, Indianapolis
InIA	Indiana Academy of Science Library, Indianapolis
InLP	Purdue University, Lafayette, Ind.
InNd	University of Notre Dame, Notre Dame, Ind.
InU	Indiana University, Bloomington
KAS	St. Benedict's College, Atchison, Kan.
KMK	Kansas State University, Manhattan
KU	University of Kansas, Lawrence
KU-L	— School of Law Library
KU-M	— Medical Center Library, Kansas City
KyU	University of Kentucky, Lexington
LNHT	Howard-Tilton Memorial Library of Tulane University, New Orleans, La.
LU	Louisiana State University, Baton Rouge
MA	Amherst College, Amherst, Mass.
MB	Boston Public Library
MBA	American Academy of the Arts and Sciences, Boston
MBAt	Boston Athenaeum, Boston
MBM	Boston Medical Library, Boston
MBN	Boston Society of Natural History, Boston
MBU	Boston University
MBdAF	U. S. Air Force Cambridge Research Center, Bedford, Mass.
MCM	Massachusetts Institute of Technology, Cambridge, Mass.
MH	Harvard University, Cambridge, Mass.
MH-A	— Arnold Arboretum, Jamaica Plain
MH-AH	— Andover-Harvard Theological Seminary Library
MH-BH	— Blue Hill Meteorological Observatory, Milton, Mass.
MH-BL	— Biological Laboratories Library
MH-C	— Chemistry Library
MH-F	— Farlow Reference Library
MH-FA	— Fogg Art Museum Library
MH-G	— Gary Herbarium Library
MH-GM	— Gordon McKay Library
MH-HY	— Harvard-Yenching Institute (Chinese-Japanese Library)
MH-L	— Law School Library
MH-M	— Schools of Medicine, Public Health and Dental Medicine, Boston
MH-Mi	— Mineralogical Library
MH-O	— Astronomical Observatory, the Phillips Library
MH-P	— Peabody Museum Library
MH-PR	— Physics Research Library
MH-SD	— Graduate School of Design Library
MH-Z	— Museum of Comparative Zoology Library
MMeT	Tufts University, Medford, Mass.
MNS	Smith College, Northampton, Mass.
MWelC	Wellesley College, Wellesley, Mass.
MWhB	Marine Biological Laboratory, Woods Hole, Mass.

s
more

MiU-L	— Law Library
MnSJ	James Jerome Hill Reference Library, St. Paul
MnU	University of Minnesota, Minneapolis
MnU-B	— Bio-Medical Library
MnU-L	— Law Library
MoFC	Central College, Fayette, Mo.
MoKL	Linda Hall Library, Kansas City
MoRM	University of Missouri School of Mines and Metallurgy, Rolla
MoS	St. Louis Public Library
MoSB	Missouri Botanical Garden, St. Louis
MoSU	St. Louis University, St. Louis
MoSW	Washington University, St. Louis
MoU	University of Missouri, Columbia
MsSM	Mississippi State University, State College
MsU	University of Mississippi, Oxford
MtBC	Montana State College, Bozeman
MtU	Montana State University, Missoula
N	New York State Library, Albany
NB	Brooklyn Public Library
NBB	Brooklyn Museum Libraries, Brooklyn
NBC	Brooklyn College, Brooklyn
NBG	Brooklyn Botanic Garden, Brooklyn
NBM	Academy of Medicine of Brooklyn Library, Brooklyn
NBSU-M	State University of New York, College of Medicine Downstate Medical Center Library, Brooklyn
NBuB	Buffalo Society of Natural Sciences, Buffalo
NCH	Hamilton College, Clinton, N. Y.
NCorniC	Corning Glass Works Library, Corning, N. Y.
NCsC	Carnegie Institution, Department of Genetics, Cold Spring Harbor, N. Y.
NIC	Cornell University, Ithaca, N. Y.
NIC-A	— State Colleges of Agriculture and Home Economics
NN	New York Public Library
NNA	American Geographical Society, New York
NNBG	New York Botanical Garden, Bronx Park, New York
NNC	Columbia University, New York
NNC-L	— Law Library
NNC-M	— Medical Library
NNC-T	— Teachers College Library
NNCC	Chemists' Club, New York
NNCoCi	College of the City of New York, New York
NNCorM	Cornell University Medical College Library, New York
NNE	Engineering Societies Library, New York
NNF	Fordham University, New York
NNIS	Library for Intercultural Studies, New York
NNJ	Jewish Theological Seminary of America, New York
NNM	American Museum of Natural History, New York
NNMM	Metropolitan Museum of Art Library, New York
NNNAM	New York Academy of Medicine, New York
NNPH-O	Institute of Ophthalmology, Presbyterian Hospital, New York
NNR	Russell Sage Foundation, College of the City of New York
NNRI	Rockefeller Institute for Medical Research, New York
NNU	New York University Libraries, New York
NNU-H	— University Heights Library
NNU-W	— Washington Square Library
NNUN	United Nations Library, New York
NPV	Vassar College, Poughkeepsie, N. Y.
NRE	Eastman Kodak Company, Rochester, N. Y.
NRU	University of Rochester, Rochester, N. Y.
NSyU	Syracuse University, Syracuse, N. Y.
NUpB	U. S. Brookhaven National Laboratory, Upton, N. Y.
NYBT	Boyce Thompson Institute for Plant Research, Yonkers, N. Y.
NbU	University of Nebraska, Lincoln

NcD	Duke University, Durham, N. C.
NcGW	Woman's College of the University of North Carolina, Greensboro
NcRS	North Carolina State College of Agriculture and Engineering, Raleigh
NcU	University of North Carolina, Chapel Hill
NdU	University of North Dakota, Grand Forks
Nh	New Hampshire State Library, Concord
NhD	Dartmouth College, Hanover, N. H.
NjI	Irvington Free Public Library, Irvington, N. J.
NjMuA	Air Reduction Company, inc., Central Research Department Library, Murray Hill
NjMuB	Bell Telephone Laboratories, Murray Hill, N. J.
NjN	Newark Public Library, Newark, N. J.
NjP	Princeton University, Princeton, N. J.
NjR	Rutgers University, New Brunswick, N. J.
NmUpU	New Mexico State University of Agriculture, Engineering and Science, University Park
NvU	University of Nevada, Reno
O	Ohio State Library, Columbus
OCH	Hebrew Union College, Cincinnati
OCLloyd	Lloyd Library and Museum, Cincinnati
OCU	University of Cincinnati, Cincinnati
OCl	Cleveland Public Library
OClBHS	Benedictine High School, Cleveland
OClCS	Case Institute of Technology, Cleveland
OClJC	John Carroll University, Cleveland
OClM	Cleveland Medical Library
OClMA	Cleveland Museum of Art
OClW	Western Reserve University, Cleveland
OCoB	Battelle Memorial Institute, Columbus
ODW	Ohio Wesleyan University, Delaware, Ohio
OHi	Ohio State Historical Society, Columbus
OO	Oberlin College, Oberlin, Ohio
OOxM	Miami University, Oxford, Ohio
OSte	Carnegie Library, Steubenville, Ohio
OU	Ohio State University, Columbus
OUCA	Chemical Abstracts, Ohio State University, Columbus
OkS	Oklahoma State University, Stillwater
OkU	University of Oklahoma, Norman
OrCS	Oregon State University, Corvallis
OrPR	Reed College, Portland, Ore.
OrU	University of Oregon, Eugene
P	Pennsylvania State Library, Harrisburg
PBL	Lehigh University, Bethlehem, Pa.
PBm	Bryn Mawr College, Bryn Mawr, Pa.
PHC	Haverford College, Haverford, Pa.
PLF	Franklin and Marshall College, Lancaster, Pa.
PP	Free Library of Philadelphia
PPAN	Academy of Natural Sciences, Philadelphia
PPAmP	American Philosophical Society, Philadelphia
PPC	College of Physicians of Philadelphia
PPDrop	Dropsie College for Hebrew and Cognate Learning, Philadelphia
PPF	Franklin Institute, Philadelphia
PPPM	Philadelphia Museum of Art
PPT	Temple University, Philadelphia
PPUC	Union Library Catalogue of the Philadelphia Metropolitan Area, Philadelphia
PPWI	Wistar Institute of Anatomy and Biology, Philadelphia
PPiCI	Carnegie Institute of Technology, Pittsburgh
PPiU	University of Pittsburgh, Pittsburgh
PRosC	Rosemont College, Rosemont, Pa.
PSC	Swarthmore College, Swarthmore, Pa.
PSt	Pennsylvania State University, University Park
PU	University of Pennsylvania, Philadelphia
PU-BZ	— Botany-Zoology Library
PU-El	— Moore School of Electrical Engineering Library
PU-FA	— School of Fine Arts Library
PU-Math	— Mathematics-Physics Library
PU-Mu	— University Museum Library
PU-Penn	— Penniman Library of Education
PU-Sc	— Towne Scientific School Library
RPB	Brown University, Providence, R. I.
RU	University of Rhode Island, Kingston
TCU	University of Chattanooga, Chattanooga, Tenn.
TNJ	Joint University Libraries (Vanderbilt University, George Peabody College for Teachers, and Scarritt College), Nashville, Tenn.
TONS	Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn.
TU	University of Tennessee, Knoxville
TxCM	Agricultural and Mechanical College of Texas, College Station
TxDaM	Southern Methodist University, Dallas
TxHR	Rice Institute, Houston
TxLT	Texas Technological College, Lubbock
TxU	University of Texas, Austin
ULA	Utah State University of Agriculture and Applied Science, Logan
ViBlbV	Virginia Polytechnic Institute, Blacksburg
ViU	University of Virginia, Charlottesville
ViU-L	— Law Library
ViW	College of William and Mary, Williamsburg
VtMiM	Middlebury College, Middlebury, Vt.
VtU	University of Vermont and State Agricultural College, Burlington
WAP	Institute of Paper Chemistry, Appleton
WHi	State Historical Society of Wisconsin, Madison
WU	University of Wisconsin, Madison
WaU	University of Washington, Seattle
WvU	West Virginia University, Morgantown

MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

VOLUME 16, NO. 11 FEBRUARY 1964

TABLE OF CONTENTS

Part A—Monographic Works

Page

1. General 3245
2. Bibliography 3245
3. Philosophy & Religion 3245
4. History 3246
5. Social Sciences 3247
6. Political Science 3249
7. Law 3250
8. Education 3250
9. Music, Theater & Motion Pictures 3251
10. Fine Arts 3251
11. Language, Literature & Folklore 3252
12. Geography & Geology 3260
13. Science 3261
14. Medicine 3263
15. Agriculture 3264
16. Technology 3264
17. Military & Naval Sciences 3269

Part B—Periodicals

1. General
   - a. Scholarly journals 3270
   - b. Popular magazines 3273
2. Bibliography
   - a. Bibliography 3275
   - b. Libraries & library science 3275
   - c. Printing & the book trade 3275
3. Philosophy & Religion
   - a. Philosophy 3276
   - b. Religion 3276
4. History
   - a. General 3277
   - b. Archaeology & antiquities 3280
5. Social Sciences
   - a. Commerce 3280
   - b. Economics 3281
   - c. Finance 3281
   - d. Labor 3283
   - e. Sociology 3284
6. Political Science 3284
7. Law 3288
8. Education
   - a. General 3289
   - b. Physical education & games 3291

9. Music, Theater & Motion Pictures — Page
a. Motion pictures — 3291
b. Music — 3292
c. Theater — 3292
10. Fine Arts
a. General — 3292
b. Architecture — 3293
11. Language, Literature & Folklore
a. Language — 3293
b. Literature & folklore — 3294
12. Geography & Geology
a. Ethnology — .....
b. Geography — 3296
c. Geology & paleontology — 3298
13. Science
a. General — 3300
b. Astronomy — 3304
c. Biology — 3304
d. Chemistry — 3308
e. Mathematics — 3312
f. Physics — 3314
14. Medicine
a. General — 3319
b. Gynecology, obstetrics & pediatrics — 3321
c. Neurology & psychiatry — 3322
d. Ophthalmology & otorhinolaryngology — 3323
e. Pathology & therapeutics — 3323
f. Pharmacy & materia medica — 3324
g. Public health & nursing — 3325
h. Surgery & dentistry — .....
i. Venereology & dermatology — 3325
15. Agriculture
a. General — 3326
b. Animal industry — 3328
c. Forestry — 3330
d. Plant culture — 3330
16. Technology
a. General — 3332
b. Aeronautics — 3335
c. Chemical technology — 3336
d. Civil & construction engineering — 3341
e. Electrical engineering — 3345
f. Industries & trades — 3348
g. Mechanical engineering — 3351
h. Mining & metallurgy — 3357
17. Military & Naval Sciences
a. Military science — 3362
b. Naval science — 3364

Part C—List of Periodicals Indexed and Abbreviations Used — 3366
Subject Index to Monographs and Periodicals — 3373

Periodicals Available in English Translation Cover-to-Cover.

1. GENERAL

AKADEMIIA NAUK SSSR. Dal'nevostochnyi filial, Vladivostok. [Abstracts of reports at the Fifth Conference of Young Specialists] Tezisy dokladov na V Nauchnoi konferentsii molodykh spetsialistov. Vladivostok, Akad. nauk SSSR, 1962. 72 p.
(MH)

[ENCYCLOPEDIC DICTIONARY IN TWO VOLUMES] Entsiklopedicheskii slovar' v dvukh tomakh. Glav. red. B. A. Vvedenskii i dr. Moskva, Sovetskaia entsiklopediia.
Vol 1. A - Masvaron [1963] 656 p.

[IN THIS BOOK ARE GIVEN THE ANSWERS TO THE QUESTIONS: 1. Are there intelligent beings on other planets? 2. What significance has the Kuban-Kalaus Irrigation and Water-Supply System for Stavropol? 3. What is travertine? How is it formed and for what purposes is it used?] V etoi knige dany otvety na voprosy. 1. Est' li razumnye sushchestva na drugikh planetakh? 2. Kakoe znachenie imeet dlia Stavropolia Kuban'-Kalausskaia obvodnitel'no-orositel'naia sistema? 3. Chto takoe travertin, kak on obrazuetsia i v chem ego poleznost'? [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1960. 32 p. (Sprashivai - otvechaem)
[MICROFILM]

2. BIBLIOGRAPHY

AKADEMIIA NAUK SSSR. Fundamental'naia biblioteka obshchestvennykh nauk. [History of Bulgaria up to September 9, 1944. Literature, art, science, a bibliography of literature from 1945-1958. Istoriia Bolgarii do 9 sentiabria 1944. Literatura, iskusstvo, nauka; ukazatel' literatury 1945-1958. Sost. N. V. Busse, D. D. Ivanov i V. V. Noskova. Pod red. D. D. Ivanova. Moskva, Izd-vo Akad. nauk, 1963. 307 p.
(MiU)

AKADEMIIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. Nauchno-pedagogicheskii arkhiv. [Dissertations defended in the Institutes of the Academy of the Pedagogical Sciences of the R. S. F. S. R. from 1944 to 1961] Dissertatsii zashchishchennye v institutakh Akademii pedagogicheskikh nauk RSFSR za 1944-1961 gg. Moskva, Akad. pedagog. nauk RSFSR, 1962. 163 p.
(MH)

BELARUSKAIA KNIZHNAIA PALATA. [Books of the White Russian S. S. R., a classified bibliography, 1956-1960] Knihi Belaruskai SSR, zvodnaia bibliiagrafiia, 1956-1960. Minsk, Redaktsyina-vydavetski addzel knizhnai palaty pry Dziarzh. bibliiatetsy BSSR imia U. I. Lenina, 1963. 143 p.

BUK, V. N. [Alphabetical catalog of out-of-print publications; a bibliographical manual for organizations and enterprises of the book trade] Alfavitnyi spravochnik ustarevshikh izdanii, bibliograficheskoi posobie dlia organizatsii i predpriiatii knizhnoi torgovli. Moskva, Izd-vo vses. knizhnoi palaty, 1960. 342 p.
(NNC)

CHITA. OBLASTNAIA BIBLIOTEKA IMENI A. S. PUSHKINA. [Transbaikalia, our dear region; aids for libraries' work with regional literature] Krai nash rodnoi - Zabaikal'e; v pomoshch' rabote bibliotek s kraevedcheskoi literaturoi. Chita, 1961. 63 p.
[MICROFILM]

GORGIDZE, G. G., and G. A. KARTOZIA. [Dictionary of library terms] Slovar' bibliotechnykh terminov. Tbilisi, Akad. nauk Gruzinskoi SSR, 1962. 202 p.
(MH)

GRIGOR'EV, IU. V. [F. F. Reuss, 1778-1852; an account of his life and works] F. F. Reiss, 1778-1852, ocherk zhizni i deiatel'nosti. Moskva, Izd-vo Vses. knizhnoi palaty, 1963. 104 p. (Deiateli knigi)

[KAZAKHSTAN, a bibliography for 1955] Kazakhstan; bibliografiia za 1955 god. [Alma-Ata, Gos. respublikanskaia biblioteka Kazakhskoi SSR im. A. S. Pushkina, 1960] 341 p.

LENINGRAD (Province) Gosudarstvennyi arkhiv Oktiabr'skoi revoliutsii i sotsialisticheskogo stroitel'stva. [Brief guidebook to the collections of the State Archives on the October Revolution and Socialist Construction] Kratkii putevoditel'. Pod red. P. V. Vinogradova. Leningrad, 1962. 182 p. illus.
(MH)

LIETUVOS TSR MOKSLU AKADEMIJA, Vilna. Centrine biblioteka. [Manuscript collections; a brief survey of manuscripts dating from the 11th to the 20th century in the Central Library of the Academy of Sciences of Lithuania] Rankrasciu rinkiniai, Lietuvos TSR Mokslu akademijos Centrines bibliotekos XI-XX amziu rankrasciu fondu trumpa apzvalga. Vilnius, 1963. 289 p. [In Lithuanian with summary in Russian]

[LITERATURE ON VORONEZH PROVINCE, 1957-1959, bibliography] Literatura o Voronezhskoi oblasti za 1957-1959 gody; ukazatel' literatury. [Voronezh] Voronezhskoe knizhnoe izd-vo, 1961. 251 p.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. [Library and bibliographical classification; schedules for research libraries] Bibliotechno-bibliograficheskaia klassifikatsiia; tablitsy dlia nauchnykh bibliotek. Moskva. No. 20. [Section] Sh. Philology. Belles lettres] [Razdel] Sh. Filologicheskie nauki. Khudozhestvennaia literatura. 1963. 203 p.

NEMCHENKO, V. V., and N. IA. SYTINA. [Cataloging of special kinds of technical literature] Opisanie spetsial'nykh vidov tekhnicheskoi literatury, metodicheskoe i prakticheskoe posobie. Moskva, Izd-vo Vses. knizhnoi palaty, 1963. 94 p.

PETROVSKAIA, M. F. [Classification of documentary materials in Soviet archives] Sistematizatsiia dokumental'nykh materialov v sovetskikh arkhivakh. Pod red. A. V. Chernova. Moskva, Mosk. gos. istoriko-arkhivnyi in-t, 1959. 75 p.
(NjR)

RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie po rasprostraneniiu pechati. [Classified catalog of foreign newspapers and magazines for the year 1964] Katalog zarubezhnykh gazet i zhurnalov na 1964 god, tematicheskii. Moskva, 1963. 270 p.
_____ [Supplement] Dopolnenie. 16 p.

SBITNEV, S. A., and P. A. PARAKHIN. [Building a reference and information collection with a mechanized retrieval system] Sozdanie spravochno-informatsionnogo fonda s sistemoi mekhanizirovannogo poiska informatsii; opyt raboty TsBTI Kuzbasskogo sovnarkhoza. Moskva, Gos. nauchno-issl. in-t nauchnoi i tekhn. informatsii, 1963. 15 p. (Metodicheskie materialy, no. 1)

SIMON, K. R. [History of foreign bibliography] Istoriia inostrannoi bibliografii. Moskva, Izd-vo Vses. knizhnoi palaty, 1963. 735 p.

ZHUKOVSKAIA, L. P. [History of Slavic and Russian paleography in prerevolutionary Russia and in the U. S. S. R.] Istoriia slaviano-russkoi paleografii v dorevoliutsionnoi Rossii i v SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 141 p.
(NUC)

mii

3. PHILOSOPHY & RELIGION

ANASTASII, Metropolitan. [Pastoral epistles, orations, and speeches of His Eminence, Metropolitan Anastasii, Head of the Russian Church abroad, a jubilee volume on the 50th anniversary of his Episcopacy, 1906-1956] Arkhipastorskiia poslaniia, slova i rechi vysokopreosviashchennieishago mitropolita Anastasiia, Pervoierarkha Russkoi zarubezhnoi tserkvi, iubileinyi sbornik ko dniu 50-letiia Arkhierieiskago sluzheniia, 1906-1956. Jordanville, N. Y., Holy Trinity Monastery, 1956. 262 p.
(IaU)

BELEN'KII, M. S. [What is the Talmud] Chto takoe Talmud. Moskva, Izd-vo Akad. nauk SSSR, 1963. 140 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

BIRIUK, A. IA. [Thoughts on Catholicism and the Orthodox Church] Razmyshleniia o katolitsizme i pravoslavii. Sao Paulo, 1962. 99 p.
(MH)

DMITRIEVA, N. A. [The image and the word] Izobrazhenie i slovo. [Moskva, Iskusstvo 1962.] 313 p. plates
(MH)

EL'CHANINOV, A. V. [Writings] Zapisi. Izd. 3., dop. Paris, YMCA Press [c1962] 165 p.
(NNC)

EVSIKOV, I. F., and V. K. KNIAZIUK. [Public property is your wealth] Obshchestvennoe dostoianie - tvoe bogatstvo. Moskva, Gospolitizdat, 1962. 68 p. (Moral'nyi kodeks stroitelia kommunizma)
(MH)

FILONOVICH, P. E. [Communist ethics, a popular essay] O kommunisticheskoi morali, populiarnyi ocherk. Moskva, Politizdat, 1963. 255 p.

IAKOVLEV, E. G. [Aesthetic perception and religion] Esteticheskoe poznanie i religiia. Moskva, Vysshaia shkola, 1962. 63 p. (Materialy k lektsiiam po filosofii)
(MH)

[IN WHOM DO YOU TRUST? A selection of antireligious folklore texts] Kelle peale sa loodad? Valimik usu ja kiriku vastaseid rahvaluuletekste. Tallinn, Eesti Riiklik Kirjastus, 1963. 196 p. [In Estonian]

KASENOV, B. K. [Dialectics of the individual, the particular, and the universal in K. Marx's "Das Kapital"] Dialektika odinichnogo, osobennogo i vseobshchego v Kapitale K. Marksa. Moskva, Vysshaia shkola, 1963. 59 p. (Materialy k lektsiiam po filosofii)
(MH)

KHARKOV. UNIVERSYTET. [Social consciousness and its forms] Suspil'na svidomist' i ii formy; lektsii z kursu istorychnoho materializmu. Kharkiv, M-vo vyshchoi i seredn'oi spetsial'noi osvity URSR, 1961. 162 p.
(ICU)

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshaia partiinaia shkola. [Program for studying the moral code of the builders of communism; for seminars and study groups as well as for individual study of this theme according to the system for political education] Programma po izucheniiu moral'nogo kodeksa stroitelia kommunizma; dlia kruzhkov, seminarov i zanimaiushchikhsia po individual'nym planam v sisteme politicheskogo prosveshcheniia. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 15 p.

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshaia partiinaia shkola. Kafedra dialekticheskogo i istoricheskogo materializma. [Dialectical materialism] Dialekticheskii materializm. Pod red. A. D. Makarova, A. V. Vostrikova, E. N. Chesnokova. Izd. 2. Moskva, Izd-vo VPSh, 1962. 471 p.
(WU)

KOPNIN, P. V. [Hypothesis and the knowledge of reality] Gipoteza i poznanie deistvitel'nosti. Kiev, Gos. izd-vo polit lit-ry, 1962. 179 p.
(InU)

KORIUN, Bp., fl. 445-451. [Life of Mesrop. Translated from the Armenian] Zhitie Mashtotsa. Predisl. K. A. Melik-Ogandzhaniana. Kommentarii Sh. V. Smbatiana. Erevan, Aipetrat, 1962. 162 p. port. fold. map.
(NNC)

[OLD BELIEVER CHURCH CALENDAR FOR 1963] Staroobriadcheskii tserkovnyi kalendar' na 1963 god. [Moskva] Staroobriadcheskaia arkhiepiskopiia Moskovskaia i vseia Rusi, [n. d.] 66 p.

OVSIANNIKOV, M. F., and Z. V. SMIRNOVA. [Essays on aesthetic theories] Ocherki esteticheskikh uchenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 430 p.

ROZENTAL', M. M., and P. F. IUDIN, eds. [Philosophical dictionary] Filosofskii slovar'. Moskva, Politizdat, 1963. 544 p.

RZAKULIZADE, S. D. [Sociopolitical, and philosophical ideas of Khagani Shirvani] Obshchestvenno-politicheskie i filosofskie vzgliady Khagani Shirvani. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 110 p.
(NjP)

SHOKHIN, K. V. [Essay on the development of aesthetic thought in Russia, Old Russian aesthetics from the 11th to the 17th century] Ocherk razvitiia esteticheskoi mysli v Rossii; drevnerusskaia estetika XI-XVII vekov. Moskva, Vysshaia shkola, 1963. 114 p.
(NIC)

ZAKLADNAIA, V. M., and O. P. TSELIKOVA. [Already today...] Uzhe segodnia... [Moskva] Mosk. rabochii, 1963. 133 p.

4. HISTORY

AFONIN, S. G. [Three missions; a partisan's notebook] Tri zadaniia, zapiski partizana. Saransk, Mordovskoe knizhnoe izd-vo, 1962. 134 p.
(NIC)

AKADEMIIA NAUK SSSR. Mikhail Nikolaevich Tikhomirov. Vstup. stat'ia V. I. Shunkova. Bibliografiia sostavlena R. I. Gorlachevoi. Moskva, 1963. 71 p. (Materialy k biobibliografii uchenykh SSSR. Seriia istorii, no. 6)

AKADEMIIA NAUK SSSR. Institut Afriki. [African collection] Afrikanskii sbornik. Moskva, Izd-vo vostochnoi lit-ry.
Vol. 1. Lutskii, V. B., ed. [History] Istoriia. 1963.
(MH)

AKADEMIIA NAUK SSSR. Institut etnografii. [Ancient and medieval sources for the ethnography and history of the peoples of Africa south of the Sahara] Drevne i srednevekovye istochniki po etnografii i istorii narodov Afriki iuzhnee Sakhary. Moskva, Izd-vo Akad. nauk SSSR, 1960- 1 v.
(MiU)

AKADEMIIA NAUK SSSR. Institut istorii. [The peasant movement in Russia at the end of the 19th and the beginning of the 20th century] Krest'ianskoe dvizhenie v Rossii v XIX-nachale XX veka. Glav. red. N. M. Druzhinin. Moskva, Izd-vo sotsial'no-ekon. lit-ry [1959]-1962. 6 v.
(NN)

AKADEMIIA NAUK URSR, Kiev. Instytut istorii. [Historical contacts of the Slavic peoples; papers for the Fifth International Congress of Slavists] Istorychni zv'iazky slov'ians'kykh narodiv; zbirnyk statei do V mizhnarodnoho kongresu slavistiv. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 281 p.

AKADEMIIA NAUK URSR, Kiev. Instytut istorii. [Studies on the social and economic history of the pre-revolutionary Ukraine] Narysy z sotsial'no-ekonomichnoi istorii Ukrainy dozhovtnevoho periodu. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 166 p.

ARUTIUNOV, G. A. [The labor movement in Transcaucasia during the period of the new revolutionary upsurge] Rabochee dvizhenie v Zakavkaz'e v period novogo revoliutsionnogo pod'ema, 1910-1914 gg. Moskva, Akad. nauk SSSR, 1963. 401 p.
(MH)

BAIDZHANOV, RAUF. [Development of Marxist historical science in Uzbekistan, 1917-1924. Razvitie marksistskoi istoricheskoi nauke v Uzbekistane, 1917-1924 gg. Tashkent, Gosizdat UzSSR] 1962. 172 p. [In Uzbek]
(MH)

BARNAVELI, T. V. [Inscriptions on historical monuments in Kakhetia] Nadpisi na istoricheskikh pamiatnikakh Kakhetii. Tbilisi, Akad. nauk Gruzinskoi SSR, 1962. 167 p. [In Georgian]
(MH)

BELIAEVSKII, V. A. [Role of the Cossacks in the Second World War and their tragic fate, 1939-1945] Vtoraia Mirovaia voina; rol' kazachestva v etoi voine i tragediia takovogo, 1939-1945 g. g. S predisl. V. D. Merzheevskogo. São Paulo, 1963. 104 p.

BEYHAQI, ABU AL-FAZL MOHAMMAD EBN HOSEYN. [History of Mas'ud from 1030 to 1041] Istoriia Mas'uda 1030-1041. Vstup. stat'ia A. K. Arendsa. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962. 745 p.
(NNC)

BLANK, A. S. [The "Free Germany" National Committee as the center of the antifascist action of German patriots, 1943-1945] Natsional'nyi komitet "Svobodnaia Germaniia" tsentr antifashistskoi bor'by nemetskikh patriotov, 1943-1945 gg. Vologda, Vologodskoe knizhnoe izd-vo, 1963. 91 p.
[MICROFILM]

BONCH-BRUEVICH, V. D. [Selected works in three volumes] Izbrannye sochineniia v trekh tomakh. Red. kollegiia: N. A. Smirnov i dr. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 3. [Reminiscences about V. I. Lenin, 1917-1924] Vospominaniia o V. I. Lenine, 1917-1924 gg. 1963. 444 p.

BRASHINSKII, I. B. [Athenians and the Northern Black Sea region from the sixth to the second century B. C.] Afiny i Severnoe Prichernomor'e v VI-II vv. do n. e. Moskva, Izd-vo Akad. nauk SSSR, 1963. 174 p.

[BY THE GRACE OF GOD..., an album of photographs] Bozhiею milostiu..., al'bom fotografii. [Paris] 1957. 129 p. (chiefly illus.)
(MH)

[DEMOCRATIC REPUBLIC OF VIETNAM. Translated from the Vietnamese] Demokraticheskaia Respublika V'etnam. Moskva, Gospolitizdat, 1963. 148 p.
(CSt-H)

DVORIANOV, N. V., and V. N. DVORIANOV. [In the home-front areas of the Kolchak Army] V tylu Kolchaka. Moskva, Sotsekgiz, 1963. 174 p.

ERSHOV, D. A. Mariia Il'inichna Ul'ianova. Ul'ianovsk, Ul'ianovskoe knizhnoe izd-vo, 1963. 1963. 133 p.

GAGARIN, A. P. [The struggle to establish the Soviet regime in Ukhnov County] Bor'ba za ustanovlenie Sovetskoi vlasti v Ukhnovskom uezde. [Smolensk] Smolenskoe knizhnoe izd-vo, 1958. 75 p.
(MH)

GAVRILOV, IU. A. [Stories about Patrice Lumumba] Rasskazy o Patrise Lumumbe. [Moskva] Izd-vo "Detskii mir," 1963. 1 v. (Geroicheskie biografii)

KAMENEV, S. S., [Notes on the civil war and the organization of the armed forces] Zapiski o grazhdanskoi voine i voennom stroitel'stve; izbrannye stat'i. Sost.: N. S. Kameneva, L. M. Spirin, P. P. Chernushkov. Moskva, Voenizdat, 1963. 261 p.

KAMENTSEVA, E. I., and N. V. USTIUGOV. [Russian sphragistics and heraldry] Russkaia sfragistika i geral'dika. Moskva, Vysshaia shkola, 1963. 222 p.

KHARKOV, UNIVERSITET. [Students' Summary Conference Marking the 86th Anniversary of the Birth of Vladimir Il'ich Lenin; abstracts of reports] Itogovaia studencheskaia nauchnaia konferentsiia, posviashchennaia 86-i godovshchine so dnia rozhdeniia Vladimira Il'icha Lenina; tezisy dokladov. Khar'kov, Izd-vo Khar'kovskogo univ., 1956. 373 p.
(MH)

KHMYROV, A. P. [How victory was forged; Communists of Novorossiisk during the years of the Great Patriotic War] Tak kovalas' pobeda, kommunisty Novorossiska v gody Velikoi Otechestvennoi voiny, istoricheskii ocherk. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1962. 95 p.
(MH)

KRASNIKOVA, A. V. [At the dawn of the Soviet regime, Bolsheviks of Petrograd during the first months of proletarian dictatorship, Nov. 1917-July 1918] V zare Sovetskoi vlasti; bol'sheviki Petrograda v pervye mesiatsy proletarskoi diktatury, noiabr' 1917-iiul' 1918 g. [Leningrad] Lenizdat, 1963. 205 p.
(CSt-H)

LIPETSK (Province) Oblastnaia biblioteka. [Literature on Lipetsk Province published in 1957] Literatura o Lipetskoi oblasti za 1957 god. Lipetsk, Leninskoe znamia, 1959. 200 p.
(NNC)

MARCHENKO, I. E., comp. [Anthology on the history of White Russia] Khrestomatiia po istorii BSSR. Pod red. I. S. Kravchenko. Minsk, Uchpedgiz BSSR.
Vol. 2. 1962.
(MH)

MEDNIKOV, A. M. [Berlin notebook, stories of battles in Berlin] Berlinskaia tetrad', rasskazy o boiakh v Berline. Moskva, Sovetskii pisatel', 1962. 352 p.
(MH)

NAHAIEVS'KYI, ISYDOR. [The old Ukraine in the light of historical monuments] Starodavnia Ukraina v svitli istorychnykh pam'iatnykiv. Yorkton, Sask., 1961. 216 p. illus. (Biblioteka Lohosu, t. 29)
(InU)

NEVLER, V. E. [Echo of Garibaldi's battles] Ekho garibal'diiskikh srazhenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 121 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

NOVAK, T. F. [AL (as told to Anatolii Stas')] Al. [Literaturnyi zapys Anatolila Stasia] L'viv, Knyzhkovo-zhurnal'ne vyd-vo, 1962. 220 p.

NÚÑEZ JIMÉNEZ, ANTONIO. [Republic of Cuba, an historical sketch. Translated from the Spanish] Respublika Kuba; istoricheskii ocherk. Moskva, Sotsekgiz, 1963. 134 p.
(CSt-H)

ORESHNIKOV, S. M. [Kostroma people, sketches] Liudi zemli kostromskoi, ocherki. [Kostroma] Kostromskoe knizhnoe izd-vo, 1960. 137 p.
(KU)

PAVLOV, IA. K. [The Great October Socialist Revolution and the solution of the national problem of Chuvashia, 1917-1925] Velikaia Oktiabr'skaia sotsialisticheskaia revoliutsiia i razreshenie natsional'nogo voprosa Chuvashii, 1917-1925 gg. Pod red. T. G. Gusova. Cheboksary, Chuvashskoe gos. izd-vo, 1957. 185 p.
(CSt-H)

PETROV, A. I. [On enemy shores] U vrazheskikh beregov. [Murmansk] Murmanskoe knizhnoe izd-vo, 1963. 60 p.
(NIC)

RZAEV, D. A. [Falsifiers of the history of Soviet Central Asia] O fal'sifikatorakh istorii Sovetskoi Srednei Azii. Frunze, Kirgizgosizdat, 1962. 44 p.
(MH)

SEMENOV, V. F. [Album on the history of the Middle Ages] Al'bom po istorii srednikh vekov, posobie dlia uchitelei i studentov. Moskva, Gos. uchebno-pedagog. izd-vo, 1960. 343 p. (chiefly illus.)
(IaU)

SEROVA, N. V. Vasilii Serov. [Izd. 2. ?] Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1961. 66 p.
(InU)

SHAMSHIEV, T., comp. [Men of Panfilov in battle; reminiscences] Panfilovtsy v boiakh; sbornik vospominanii. Frunze, Kirgizskoe gos. izd-vo, 1962. 131 p.
(NIC)

SHMELEV, N. A. [Eyes to the colors] Ravnenie na znamia. Ufa, Bashkirskoe knizhnoe izd-vo, 1962. 130 p.
(MH)

STASHEVS'KYI, D. N. [For peaceful relations with the capitalist world, 1921-1924] Za myrni vidnosyny z kapitalistychnym svitom; 1921-1924 rr. Kyiv, Derzhpolitvydav URSR, 1963. 57 p. (Ukraina na mizhnarodnii areni)

SUMBATZADE, A. S. [The Kuba uprising of 1837] Kubinskoe vosstanie 1837 g. Baku, Akad. nauk Azerbaidzhanskoi SSR, 1961. 121 p. [In Azerbaijani] (MH)

SVIATCHENKOV, V. D. [Stronger than steel, more powerful than fire, a narrative about partisans] Krepche stali, sil'nee ognia; partizanskaia byl'. [Smolensk] Smolenskoe knizhnoe izd-vo, 1962. 297 p. (NIC)

TERESHCHATOV, V. I. [Nine hundred days behind enemy lines] 900 dnei v tylu vraga. [Kalinin] Kalininskoe knizhnoe izd-vo, 1962. 216 p. (MH)

TIFLIS. MUZEI GRUZII. Urbnisskaia istoriko-arkheologicheskaia ekspeditsiia, 1954- Urbnisi. Tbilisi, Akad. nauk Gruzinskoi SSR. [In Georgian with summary in Russian]
Vol. 1 Dzhavakhishvili, A. I., and L. I. Glonti [Archaeological excavations conducted from 1954 to 1961 on the site of Kvatskhelebi (Tvlepiakokhi)] Arkheologicheskie raskopki, provedennye v 1954-1961 gg. na selishche Kvatskhelebi (Tvlepia-kokhi). 1962., plates.
(MH)

TSORAEV, M. M. [Uprising of the Kabardian and Balkar peasants in 1913] Vosstanila kabardinskikh i balkarskikh krest'ian v 1913 godu. Pod red. T. Kh. Kumykova. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1963. 58 p.

TUVINSKAIA KOMPLEKSNAIA ARKHEOLOGO-ETNOGRAFICHESKAIA EKSPEDITSIIA, 1957-1958. [Transactions of the Tuvinian Joint Archaeologic-Ethnographic Expedition, 1957-1958] Trudy. Leningrad, Izd-vo Akad. nauk SSSR.
Vol. 1. [Materials on the archaeology and ethnography of western Tuva] Materialy po arkheologii i etnografii Zapadnoi Tuvy. 1960-
WaU

[V. I. LENIN AND SOME PROBLEMS IN THE THEORY AND PRACTICE OF BUILDING COMMUNISM. Commemorative 75th anniversary of V. I. Lenin's meeting with the students of Kazan University] V. I. Lenin i nekotorye voprosy teorii i praktiki stroitel'stva kommunizma. K 75-letiiu uchastiia V. I. Lenina v skhodke studentov Kazanskogo universiteta. [Kazan'] Izd-vo Kazanskogo univ. 1962. 203 p.
(NIC)

VIHALEM, P. [Elections in bourgeois Estonia] Valimised kodanlikus Eestis. Tallinn, Eesti Riiklik Kirjastus, 1963. 175 p. [In Estonian]

[VILLAINOUS OBJECTIVES AND VILLAINOUS MEANS; documentary materials on the policy of fascist Germany in the occupied part of the U. S. S. R., 1941-1944] Prestupnye tseli - prestupnye sredstva; dokumenty ob okkupatsionnoi politike fashistskoi Germanii na territorii SSSR, 1941-1944 gg. Moskva, Gospolitizdat, 1963. 323 p.

VODOLAGIN, M. A. [Stronghold on the Volga] Volzhskaia tverdynia. Moskva, Sovetskaia Rossiia, 1962. 100 p. (MH)

VOITSENKO, OL'HA. [The annals of Ukrainian life in Canada] Litopys ukrains'koho zhyttia v Kanadi. Winnipeg, Vydavnycha spilka tryzub.
Vol. 2. [Period of growth and differentiation; postwar years, 1919-1924] Doba rostu i dyferentsiiatsii; roky pislia 1-oi svitovoi viiny 1919-1924. 1963. 395 p.

[YOUNG PEOPLE STEPPING INTO LIFE] Noored astuvad ellu. Tallinn, 1963. 78 p. [In Estonian]

6. SOCIAL SCIENCES

AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze. Otdelenie obshchestvennykh nauk. [Materials on the history and economic conditions of Kirghizia] Materialy po istorii i ekonomike Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 148 p.

AKADEMIIA NAUK SSSR. Institut istorii. [History of socialist teachings] Istoriia, sotsialisticheskikh uchenii; sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1962. 468 p.
(CaAEU)

AKADEMIIA NAUK SSSR. Institut istorii. [The German labor movement in recent times] Germanskoe rabochee dvizhenie v novelshee vremia; sbornik statei i materialov. Moskva, Izd-vo Akad. nauk SSSR, 1962. 312 p.
(NNC)

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Institut ekonomiki i organizatsii promyshlennogo proizvodstva [Economic problems of mastering new enterprises] Ekonomicheskie voprosy osvoeniia novykh predpriiatii. Pod obshchei red. V. S. Sominskogo. Novosibirsk, Izd-vo Sibirskogo otd-niia, 1963. 231 p.

ALEKSANDROV, M. A. [Economic expansion of the U. S. A. in India (1947 to 1961)]. Ekonomicheskaia ekspansiia SShA v Indii (1947-1961). Moskva, Izd-vo vostochnoi lit-ry, 1963. 127 p.

ALLAKHVERDIAN, D. A. [Finance during the period of the building of communism] Finansy v period stroitel'stva kommunizma. Moskva, Gosfinizdat, 1963. 111 p.

ARKHANGEL'SKII, N. A., ed. [Study of manufactured goods; concise course] Tovarovedenie promyshlennykh tovarov; kratkii kurs. [By] P. R. Abramov i dr. Izd. 2., perer. Moskva, Gostorgizdat, 1963. 768 p.

ASTASHKEVICHER, E. T. [Accounting and the analysis of the administrative operations of a machinery manufacturing enterprise] Bukhgalterskii uchet i analiz khoziaistvennoi deiatel'nosti mashinostroitel'nogo predpriiatiia. Moskva, Mashgiz, 1963. 459 p.

BADIR'IAN, G. G., ed. [Economics, organization and planning of agricultural production] Ekonomika, organizatsiia i planirovanie sel'skokhoziaistvennogo proizvodstva. Moskva, Ekonomizdat, 1963. 607 p.

BAKBERGENOV, S., comp. [Beacons, a collection of essays about heroes of the seven-year plan. Mataki, sbornik ocherkov o geroiakh semiletki. Alma-Ata, Kazgoslitizdat] 1962 284 p. [In Kazakh]
(MH)

BARSUKOV, N., ed. [The party's struggle for a great upsurge in the national economy and for the completion of the building of socialism, 1953-1958; questions and answers] Bor'ba partii za moshchnyi pod"em narodnogo khoziaistva, za zavershenie stroitel'stva sotsializma, 1953-1958 godu, konsul'tatsii, metodicheskie sovety. [Moskva] Mosk. rabochii, 1963. 157 p. (V pomoshch' izuchaiushchim istoriiu KPSS)
(MH)

BELIKOV, A. M. [Economics of coal preparation and utilization] Ekonomika obogashchenila i ispol'zovaniia uglei. Moskva, Gosgortekhizdat, 1963. 111 p.

BEZRUKIKH, P. S., and N. N. IVANOV, eds. [Organization of standard accounting in enterprises] Organizatsiia normativnogo ucheta na predpriiatiiakh, sbornik statei. Moskva, Gosfinizdat, 1963. 193 p.

ČERNIANSKY, VILIAM. [Economics of socialist foreign trade. Translated from the Czech] Ekonomika sotsialisticheskoi vneshnei torgovli. Moskva, Vneshtorgizdat, 1963. 183 p.

CHESHIKHIN, G. V., and V. P. TROITSKII. [Agricultural regional planning and use of lands] Sel'skaia raionnaia planirovka i ispol'zovanie zemel'. Moskva, Ekonomizdat, 1962. 205 p.
(MH)

CHESTNYI, M. G. [Methods of calculating public utility rates] Metodika rascheta tarifov na kommunal'nye uslugi. Moskva, Izd-vo M-va kommunal'nogo khoziaistva RSFSR, 1962. 49 p.
(MH)

CHETVERIKOV, N. S. [Statistical and stochastical studies] Statisticheskie i stokhasticheskie issledovaniia. Moskva, Gosstatizdat, 1963. 299 p.

CORNU, AUGUSTE. [Karl Marx and Friedrich Engels, their lives and work. Translated from the German] Karl Marks i Fridikh Engel's, zhizn' i deiatel'nost'. Moskva, Izd-vo inostr. lit-ry, 1959- 7 v.
(OU)

DANILOV, V. P., ed. [Studies on the history of the collectivization of agriculture in the Union Republics] Ocherki istorii kollektivizatsii sel'skogo khoziaistva v soiuznykh respublikakh. Moskva, Gospolitizdat, 1963. 558 p.

DAVYDOV, B. I., and B. IA. ROGINSKII. [Using linear programming in the economics and operation of the merchant marine] Primenenie lineinogo programmirovaniia v ekonomike i ekspluatatsii morskogo transporta. Moskva, Izd-vo "Morskoi transport," 1963. 94 p. (Ekonomika i ekspluatatsiia morskogo transporta)

DELIMOV, A. I. [Economics and the production planning of wood-fiber and particle boards] Ekonomika i planirovanie proizvodstva drevesno-voloknistykh i struzhechnykh plit. Moskva, Goslesbumizdat, 1963. 140 p.

[ECONOMY OF SVERDLOVSK PROVINCE, statistical abstract] Narodnoe khoziaistvo Sverdlovskoi oblasti, statisticheskii sbornik. [Sverdlovsk] Gosstatizdat, 1962. 230 p.

EGOROV, IU. V. [The crisis of world capitalism, a manual for students of the program of the CPSU, a bibliography of recommended literature] Krizis mirovogo kapitalizma, v pomoshch' izuchaiushchim programmu KPSS, rekomendatel'nyi ukazatel' literatury. Leningrad, Gos. publichnaia biblioteka, 1962. 90 p.
(MiU)

ERIVAN. VYSTAVKA DOSTIZHENII NARODNOGO KHOZIAISTVA ARMIANSKOI SSR. [Dairy industry of the Armenian S. S. R. during the last forty years] Molochnaia promyshlennost' Armianskoi SSR za 40 let. [Erevan] Armianskaia SSR Sovet narodnogo khoziaistva, 1961. 17 p.
[MICROFILM]

ERMOLAEV, I. D. [Objective principles of the economic policy of the Communist Party in the struggle to build communism] Ob"ektivnye osnovy ekonomicheskoi politiki Kommunisticheskoi partii v bor'be za postroenie kommunizma. Astrakhan', Volga, 1961. 84 p.
(MH)

[FINANCE OF INDUSTRY AND CONSTRUCTION] Finansy promyshlennosti i stroitel'stva. [By] I. D. Sher i dr. Moskva, Gosfinizdat, 1963. 288 p.

FIRSOV, A. A. [The Republic of Guinea, its economy and foreign trade] Gvineiskaia Respublika, ekonomika i vneshniaia torgovlia. Moskva, Vneshtorgizdat, 1963. 46 p.

[THE 40th ANNIVERSARY OF THE BURYAT A. S. S. R., articles] Sorok let Buriatskoi ASSR; sbornik statei. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963. 137 p.

GORELIKOV, S. G. [Iraq; economic geography] Irak, ekonomiko-geograficheskaia kharakteristika. Moskva, Geografizdat, 1963. 223 p.

GRIGOR'EV, N. [The housing problem will be solved] Zhilishchnaia problema budet reshena. [Moskva] Moskovskii rabochii, 1963. 71 p. (V pomoshch' agitatoru i propagandistu)

GRIGOROVSKII, V. E. [Development of social relations in rural areas] O razvitii obshchestvennykh otnoshenii v derevne. [Leningrad] Lenizdat, 1962. 57 p. (Reshenila XXII s"ezda KPSS, v zhizn'!)
(MH)

GROMYKO, G. L. [Brief course in statistics; a textbook for students in departments of geography at State universities] Kratkii kurs statistiki; uchebnoe posobie dlia studentov geograficheskikh fakul'tetov gosudarstvennykh universitetov. Moskva, Izd-vo Mosk. univ., 1963. 240 p.
(DBC)

[HOW WE RAISE THE ECONOMY OF OUR COLLECTIVE FARMS] Kak my podnimaem ekonomiku nashikh kolkhozov. 2. izd., perer. i dop. Moskva, Sel'khozgiz, 1957. 203 p. (Kolkhoznaia ekonomicheskaia biblioteka, no. 6)

[illegible] [Trudy [illegible] Znanie [illegible] [illegible]

[INDUSTRIAL ORGANIZATION AND PLANNING IN THE [illegible] INDUSTRY] Organizatsiia [proizvodstva planirovanie [illegible] i promyshlennosti [R.] [illegible] Moskva, Gos. izd-vo tekhnicheskoi [illegible] 1963 [illegible] p

[INTERNATIONAL YEARBOOK politics and economics, [illegible] Mezhdunarodnyi ezhegodnik, politika i ekonomika, [illegible] Moskva, Politizdat, 1963 [illegible] p

[KEBEDOV, A. A., ALIEVA, V. I., and [illegible] POZALIEV] [Labor movement in Asia and Africa] [illegible] Azii i Afriki Moskva, Izd-vo [illegible], 1963 [illegible] p, [illegible] zhizni, nauke, [illegible] Kratkie [illegible], no. 10)

[KIEV. INSTITUT ISTORII PARTII] [The movement of [illegible] workers of communist labor in the Ukraine, 1959-1961 documents and materials] [illegible] Kollektiv [illegible] kommunisticheskogo truda na Ukraine 1958-1961 gg, sbornik dokumentov i materialov. Kiev, Gos. izd-vo polit. lit-ry USSR, 1962 [illegible] p

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA [illegible] partiinaia shkola [Finance and credit in the U.S.S.R.] Finansy i kredit SSSR, uchebnoe posobie. Moskva, Izd-vo VPSh i AON, 1962. 253 p. (CtoTU)

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshaia partiinaia shkola. [Program on trade economics for schools of economics, study groups and seminars of the party educational system] Programma po ekonomike torgovli dlia ekonomicheskikh shkol, kruzhkov i seminarov sistemy politicheskogo prosveshcheniia. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 29 p.

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshaia partiinaia shkola. Kafedra sovetskoi ekonomiki. [Program for the course in fundamentals of socialist industrial economics for workers studying in elementary economic clubs and schools with industrial training] Programma po osnovam ekonomiki sotsialisticheskoi promyshlennosti dlia rabochikh, zaniamiushchikhsia v nachal'nykh ekonomicheskikh kruzhkakh i shkolakh proizvodstvennogo obucheniia. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 15 p.

KOVEV, V. D., and S. M. RUCHIN. [Organization of accounting at enterprises, practices of the Gorky Automobile Plant] Organizatsiia ucheta na predpriiatii, opyt Gor'kovskogo avtozavoda. Moskva, Gosfinizdat, 1962. 77 p. (MiU)

KOSTIUKHCI, D. I. [Foreign economic policy of the U.S.A.] Vneshneekonomicheskaia politika SShA. Moskva, Sotsekgiz, 1963. 343 p.

KOVALENKO, M. I. [Thoughts of a collective-farm chairman] Dumy predsedatelia kolkhoza. Moskva, Sel'khozizdat, 1962. 141 p.

KOVALEV, N. G., ed. [Africa in figures, a statistical manual] Afrika v faktakh, statisticheskii spravochnik. Moskva, Sotsekgiz, 1963. 568 p.

KRAPCHIN, L. P. [Economics of the treatment of Krasnoyarsk coals by the briquetting and semicoking methods] Ekonomika pererabotki krasnoiarskikh uglei metodami briketirovaniia i polukoksovaniia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 80 p.

KUGEL', S. A. [Laws of the change in the social structure of the society during the transition to communism] Zakonomernosti izmeneniia sotsial'noi struktury obshchestva pri perekhode k kommunizmu. Moskva, Ekonomizdat, 1963. 132 p.

KURITSYN, I. V. [Labor productivity in repair and construction work, methods for measurement and planning] Proizvoditel'nost' truda na remontno-stroitel'nykh rabotakh, metodika izmereniia i planirovaniia. Moskva, Izd-vo M-va kommunal'nogo khoziaistva RSFSR, 1963. 58 p.

KUTS, V. I., and C. K. LEONOVA. [Analysis of the economic activity of enterprises in the sugar industry] Analiz khoziaistvennoi deiatel'nosti predpriiatii sakharnoi promyshlennosti. Moskva, Pishchepromizdat, 1962. 177 p. (Ekonomika i organizatsiia pishchevoi promyshlennosti)
(MH)

KUZNETSOV, G. A. [Organization of farm areas and the utilization of land on state farms in virgin lands] Organizatsiia territorii i ispol'zovanie zemel' v tselinnykh sovkhozakh. Moskva, Ekonomizdat, 1963. 219 p.

LENINGRAD. PUBLICHNAIA BIBLIOTEKA. [Peace, work, communism, discussion of books] Mir, trud, kommunizm, besedy o knigakh. Leningrad, 1963. 5 nos. in v.
No. 4
[Towards Lenin's principle of national control] Za leninskii printsip narodnogo kontrolia. 18 p.
[Fascism as an enemy of mankind] Fashizm - vrag chelovechestva. 14 p.
[The main road to the development of agriculture] Glavnyi put' razvitiia sel'skogo khoziaistva. 14 p.
[The voice of the world's youth] Golos iunosti mira. 15 p.
[The truth of life is the essence of art] Pravda zhizni - sushchnost' iskusstva. 15 p.

LENINGRAD. UNIVERSITET. [History of the laboring class in Leningrad] Istoriia rabochego klassa Leningrada, sbornik statei. [Leningrad]
Vol. 1. 1962.
(MH)

LENINGRADSKII DOM NAUCHNO-TEKHNICHESKOI PROPAGANDY. Nauchno-tekhnicheskaia biblioteka. [Mechanization and automation of engineering, technical and managerial operations in industry; bibliography] Mekhanizatsiia i avtomatizatsiia inzhenerno-tekhnicheskogo i administrativno-upravlencheskogo truda v promyshlennosti, bibliograficheskii ukazatel'. Pod red. R. I. Kats. Leningrad, 1961. 27 p.

LESHKEVICH, V. V. [The Far East, an account of its economic geography] Dal'nii Vostok, ekonomiko-geograficheskii ocherk; posobie dlia uchitelia. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1963. 182 p. Illus., maps.
(NN)

LUK'IANOV, IU. A. [If a man has stumbled] Esli chelovek ostupilsia. Leningrad, Ob-vo po raspr. polit. i nauchn. znanii RSFSR, 1962. 54 p.
(NIC)

LYSOV, V. F. [Organization and planning of business accounting within production units of a collective farm] Organizatsiia i planirovanie vnutrikhoziaistvennogo rascheta v kolkhoze. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 159 p.
(MH)

[MANUAL ON THE PURCHASING OF AGRICULTURAL PRODUCTS] Dovidnyk po zakupkakh sil'skohospodar'skoi produktsii. Kyiv, Derzhsil'hospvydav URSR, 1962. 214 p.

MARX, KARL, and FRIEDRICH ENGELS. [Collected works] Sochineniia. Izd. 2. Moskva, Gospolitizdat. Vol. 30. 1962. 736 p.

MERKULOV, A. P. [Labor and automation] Trud i avtomatika. Moskva, Profizdat, 1963. 129 p.
(NIC)

MITINA, S. I., and L. S. VEKSLER. [Method for determining the number of production personnel for long-distance telephone enterprises] Metodika opredeleniia chislennosti proizvodstvennogo shtata predpriiatii mezhdugorodnoi telefonnoi sviazi. Moskva, Sviaz'izdat, 1963. 38 p. (Lektsii po ekonomike sviazi)

MOROZOV, N. P. [History of the development of petroleum transportation on the Volga (prerevolutionary period)] Voprosy istorii razvitiia nefteperevozok na Volge (dorevoliutsionnyi period); uchebnoe posobie dlia studentov po kursu istorii tekhniki. Gor'kii, Gor'kovskii in-t inzhenerov vodnogo transp., 1963. 34 p.

[MICROFILM]

MOSCOW. AKADEMIIA OB[illegible]. [Problems of the international liberation movement] Voprosy mezhdunarodnogo osvoboditel'nogo dvizheniia, sbornik statei. Moskva, [illegible] KPSS, 1961. [illegible] p.

MOSCOW. ENERGETICHESKII INSTITUT. [Economics and organization of electronic vacuum devices] Ekonomika i organizatsiia elektrovakuumnogo proizvodstva. Doktorovich, Raul Emmanuilovich. No. 2. 1962. 60 p.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. [Bibliography of material and technical literature and bibliography of recommended literature] Bibliografiia materialno-tekhnicheskoi literatury i rekomendatel'nyi ukazatel' literatury. 179 p.

MOSCOW. UNIVERSITET. [Lectures for workers' evening faculties] [The struggle to strengthen the union of the workers and peasantry] Bor'ba KPSS za [illegible] chego klassa i krest'ianstva. Izd-vo Mosk. univ. 1963. [illegible] p.
(MH)

MUMINOV, IBRAHIM. [The development of social and philosophic thought in Uzbekistan in the 19th and the beginning of the 20th centuries] Uzbekistonda ijtimoiy va falsafiy tafakkur tarikhidan, XIX asrning oxiri va XX asr boshlari. Toshkent, O'zbekiston davlat nashriyoti, 1960. 200 p.
(RPB)

NEMCHINOV, V. S. [On farming and administration of the national sovereign enterprises] O khozyaistvovanii i upravlenii gosudarstvennymi sovkhozami. [1964] 73 p. (Obozrenie nauchnogo upravleniia i planirovaniia, no. 1)

[OPEN HEART] Raspakhnutoe [illegible]. "Pravda," 1963. 79 p. (Biblioteka "Pravdy," no. 9)

[OUR FRIENDSHIP IS [illegible]] [illegible] Druzhba mitsnishe vikl[illegible] URSR, 1962. 78 p.

[OUTLINE OF THE HISTORY OF [illegible] TARIAT, 1861-1917] Ocherki [illegible] proletariata; 1861-1917 [g.]. [illegible] Moskva, Sotsekgiz, 1963. [illegible] p.

PAVLOV, I. S. [Communism and [illegible]] Kommunizm i [illegible] Ob-vo po raspr. polit. i nauchn. znanii. 47 p.
(MH)

PETROV, V. A. [Detailed operational planning by the use of punched [illegible] tal'noe operativno-proizvodstvennoe [illegible] ispol'zovaniem setevo-[illegible] stenogramma doklada na Vse[illegible] po mekhanizatsii inzhenernogo [illegible] truda v promyshlennosti i [illegible] 1963. 28 p. (Leningradskii [illegible] skoi propagandy. Seriia: Mekh[illegible] i upravlencheskogo truda)

PISKUNENKO, I. [Business accounting in collective farms] Khoziaistvennyi raschet v kolkhozakh. Kishinev, Izd-vo sel'khoz. lit-ry, 1962. 170 p.
(MiU)

POKLAD, I. I., ed. [A course in [illegible] bukhgalterskogo ucheta, 2.] [illegible] Gosfinizdat, 1963. 488 p.

POLONSKII, A. M. [Mechanizing [illegible] output and wages of a combine [illegible] fibers] Mekhanizatsiia ucheta [illegible] platy na kombinate iskusstvennogo [illegible] Gosstatizdat TsSU SSSR, 1961. 78 p.
(WU)

PRAVDA. [The Buryat sings of happiness; through the pages of the newspaper "Pravda"] Buriat poet o schast'e, po stranitsam gazety "Pravda." Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962 66 p.
(MH)

RADUKHIN, V.I. [Sorter of written correspondence] Sortirovshchik pis'mennoi korrespondentsii Izd 2, perer i dop. Moskva, Sviaz'izdat, 1963 155 p (Posobiia dlia sviazistov massovykh professii)

RASSHIRENNAIA SESSIIA NAUCHNOGO SOVETA PO PROBLEMAM TSENOOBRAZOVANIIA. 1st, 1962. [The essential social labor expenditures, costs and profitableness] Obshchestvenno neobkhodimye zatraty truda, sebestoimost' i rentabel'nost', materialy Pod red V. P. D'iachenko. Moskva, Izd-vo Akad. nauk SSSR, 1963 422 p.

REZNIK, I. S. [Present state, efficiency, and outlook for the mechanization of design and construction work] Sostoianie, effektivnost' i perspektivy mekhanizatsii proektno-konstruktorskikh rabot, stenogramma doklada na Vsesoiuznom soveshchanii po mekhanizatsii inzhenernogo i upravlencheskogo truda v promyshlennosti i stroitel'stve, Leningrad, 1963. 22 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Mekhanizatsiia inzhenernogo i upravlencheskogo truda)

ROSTOV-ON-DON. GOSUDARSTVENNAIA NAUCHNAIA BIBLIOTEKA IMENI K. MARKSA. [Learn to live and work the communist way, two rounds of reading aids for participants of the movement for communist labor] Uchit'sia zhit' i rabotat' po-kommunisticheski, dva kruga chtenila v pomoshch' uchastnikam dvizhenila za kommunisticheskii trud. Rostov-na-Donu, 1961. 17 p
[MICROFILM]

RUSSIA (1917- R. S. F. S. R.) TSentral'noe statisticheskoe upravlenie. [The R. S. F. S. R. in 1962, a concise statistical abstract] RSFSR v 1962 godu, kratkii statisticheskii sbornik. Moskva, Gosstatizdat, 1963. 236 p
(CStmoR)

RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie geodezii i kartografii [Atlas of the U. S. S. R. for secondary schools; the course in economic geography] Atlas SSSR dlia srednei shkoly; kurs ekonomicheskoi geografii. [Moskva, 1960] 50 p. (chiefly col. maps)
(NcD)

RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie grazhdanskogo vozdushnogo flota. [All line schedules of international flights from October 1, 1955, to May 14, 1956] Raspisanie dvizhenila samoletov po mezhdunarodnym vozdushnym liniiam s 1 oktiabria 1955 g. po 14 maia 1956 g. Moskva, Redaktsionno-izdatel'skii otdel Aeroflota, 1955. 30 p.

RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie grazhdanskogo vozdushnogo flota. [Dispatchers' timetable for international air traffic effective from April 1, 1963 to October 31, 1963 (Moscow time)] Raspisanie (dispetcherskoe) dvizhenila samoletov na mezhdunarodnykh vozdushnykh liniiakh s 1 aprelia 1963 goda po 31 oktiabria 1963 goda (Vremia moskovskoe). Moskva, Redaktsionno-izdatel'skii otdel Aeroflota, 1963. 14 p.

SAKHAROV, V. A. [Volunteer council at a hospital] Obshchestvennyi sovet pri bol'nitse. [Moskva] Profizdat, 1963. 78 p

SAMEDOV, V. IU. [Dissemination of Marxism-Leninism in Azerbaijan] Rasprostranenie marksizma-leninizma v Azerbaidzhane. Baku, Azerbaidzhanskoe gos. izd-vo, 1962. 762 p
(NNC)

SHCHUKIN, A. G., and B. IA. SHKOL'NIKOV. [Technical, industrial and financial plan of enterprises of local importance] Tekhpromfinplan predpriiatii mestnogo znacheniia. Moskva, Ekonomizdat, 1963. 295 p

SHEVIAKOV, F. N. [Technological progress and production structure, the role of technological progress in the structural changes of production] Tekhnicheskii progress i struktura proizvodstva; rol' tekhnicheskogo progressa v strukturnykh sdvigakh promyshlennosti. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. III Seriia Ekonomika, no 15)

SLUTS'KYI, O. B. [The laboring class in the Ukraine in the struggle to lay the foundation of the socialist economy] Robochii klass Ukrainy v bor'be za sozdanie fundamenta sotsialisticheskoi ekonomiki, 1926-1932 gg. Kiev, Akad. nauk Ukrainskoi SSR, 1963 501 p
(MH)

[SOVIET TRADE ECONOMICS] Ekonomika radians'koi torhivli, pidruchnyk [By] G. S. Grigor'ian ta inshi. Kyiv, Derzhpolitvydav URSR, 1962. 500 p.

[STATE SOCIAL INSURANCE, a collection of official materials] Gosudarstvennoe sotsial'noe strakhovanie, sbornik ofitsial'nykh materialov [Moskva] Profizdat, 1963. 366 p

STENDE, Selekcijas un izmeginajumu zonala stacija [For the workers in the fields] Darbu kopejiem, raksti un raksti. Riga, Latvijas valsts izd-ba, 1962. 295 p. [In Latvian with summaries in Russian]
(MH)

STIBIC, V. [From mechanization to automation of office procedures. Translated from the Czech] Ot mekhanizatsii upravlencheskikh rabot. Moskva, Mashgiz, 1963. 296 p.

[STORIES ABOUT TRADE-UNION ACTIVISTS] Rasskazy o profsoiuznykh aktivistakh. Moskva, Profizdat, 1963 79 p (Bibliotechka profsoiuznogo aktivista, no 14(62))

[STRUGGLE OF THE PARTY FOR THE COMPLETION OF THE SOCIALIST RECONSTRUCTION OF THE NATIONAL ECONOMY Victory of socialism in the U. S. S. R., 1933-1937] Bor'ba partii za zaversheniе sotsialisticheskoi rekonstruktsii narodnogo khoziaistva Pobeda sotsializma v SSSR, 1933-1937 gody, konsul'tatsii, metodicheskie sovety [Moskva] Mosk. rabochii, 1963. 134 p. (V pomoshch' izuchaiushchim istoriiu KPSS).

SYZGANOV, A. N. [Control of agricultural traumatism, methodological instructions for rural medical personnel] Bor'ba s sel'skokhoziaistvennym travmatizmom, metodicheskie ukazaniia sel'skim meditsinskim rabotnikam, Izd 2, Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 32 p
(DNAL)

[THOSE WHO LOOK FORWARD (WHAT ARE THE BRIGADES OF COMMUNIST LABOR)] Vperedsmotriashchie (chto takoe brigady kommunisticheskogo truda) [n. p.] 1962 18 p.
[MICROFILM]

[TIMETABLE FOR PASSENGER TRAINS (ABRIDGED), effective as of May 26, 1963] Raspisanie dvizhenila passazhirskikh poezdov (kratkoe); vvedeno s 26 maia 1963 goda. Moskva, Transzheldorizdat, 1963 277 p 1 fold. map.

[TIMETABLE FOR PASSENGER TRAINS, summer 1957] Raspisanie dvizhenila passazhirskikh poezdov, leto 1957 goda. Moskva, Transzheldorizdat, 1957. 223 p.

TITOV, B. A. [Analysis of the financial operation of an industrial enterprise] Analiz finansovoi deiatel'nosti promyshlennogo predpriiatiia. Moskva, Ekonomizdat, 1963. 82 p. (V pomoshch' propagandistam i slushateliam seti partiinogo prosveshcheniia)

TOMSKII, V. A. [Economic dispute of the two world systems] Ekonomicheskii spor dvukh mirovykh sistem. Moskva, Izd-vo "Znanie," 1963. 45 p. (Novoe v zhizni, nauke, tekhnike. III Seriia: Ekonomika, no. 17)

ULEDOV, A. K. [Soviet public opinion] Obshchestvennoe mnenie sovetskogo obshchestva. Moskva, Sotsekgiz, 1963. 391 p.

VACHEISHVILI, ALEKSANDR [Improvement of the cultural and technical level of the working class in the U. S. S. R. K voprosu povysheniia kul'turno-tekhnicheskogo urovnia rabochego klass v SSSR,] Tbilisi, 1962. 137 p. [In Georgian]
(MH)

ZELENOVA, N. G. [Tenth Congress of the Party and its decisions Transition to the New Economic Policy; lecture] X s"ezd partii i ego reshenila. Perekhod k novoi ekonomicheskoi politike; lektsiia. [Moskva] Izd-vo Mosk. univ., 1963 62 p.

ZUBKOV, A. I., and B. B. GORIZONTOV. [Industrial centers of the Krasnoyarsk Territory] Promyshlennye uzly Krasnoiarskogo kraia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 110 p.

6. POLITICAL SCIENCE

[ADMINISTRATIVE AND TERRITORIAL DIVISIONS OF THE UNION REPUBLICS (THE U. S. S. R.) AS OF APRIL 1, 1963] Administrativno-territorial'noe delenie Soiuznykh Respublik (SSSR) na 1 aprelia 1963 goda. Izd. 12 Moskva, Izd-vo "Izvestiia Sovetov deputatov trudiashchikhsia SSSR," 1963. 575 p.

AIDIT, D. N. [Selected works, articles and speeches. Translated from the Indonesian] Izbrannye proizvedenila, stat'i i rechi. Moskva, Izd-vo inostr. lit-ry, 1962 782 p.

AKADEMIIA NAUK SSSR. Institut gosudarstva i prava. [Congresses of the Soviets of the Soviet Union and the Union and Autonomous Soviet Socialist Republics, 1917-1937, documents in seven volumes] S"ezdy Sovetov Soiuza SSR, soiuznykh i avtonomnykh sovetskikh sotsialisticheskikh respublik; sbornik dokumentov v semi tomakh, 1917-1937 gg. Moskva, Gosiurizdat,
Vol. 4 Pt 2. [Congresses of the Soviets of the Autonomous Soviet Socialist Republics of the R. S. F. S. R., 1923-1937, collected documents] S"ezdy Sovetov avtonomnykh sovetskikh sotsialisticheskikh respublik, vkhodiashchikh v RSFSR, sbornik dokumentov, 1923-1937 gg. 1963. 806 p.

BEZRODNYI, IE. F. [Latin America fights] Latyns'ka Amerika boret'sia. Kyiv, [Radians'ka Ukraina] 1963. 55 p
(CaOTU)

BLATIN, M. A. [The mission of the Communist Youth League] Komsomol'skoe poruchenie [Moskva] Molodaia gvardiia, 1963. 46 p. (Komsomol'skomu aktivistu)

GERMANY (Democratic Republic, 1949) Ministerium für Auswärtige Angelegenheiten, [White book on the aggressive policy of the Federal Republic of Germany. Translated from the German] Belaia kniga ob agressivnoi politike pravitel'stva Federativnoi Respubliki Germanii. Moskva, Gos. izd-vo politicheskoi lit-ry, 1959. 230 p.
(WaU)

GORBUNOV, G. I., comp. [Always be prepared] Vsegda gotov. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1962 81 p. (40 let pionerskoi organizatsii)
(MH)

GREN, V. G. [Along the road of courage] Dorogoi muzhestva Petrozavodsk, Gos. izd-vo Karel'skoi ASSR, 1962. 62 p.
(MH)

[IMPROVE THE FORMS AND METHODS OF PARTY WORK, practices of party organizations in Kursk Province] Sovershenstvovat' formy i metody partiinoi raboty, iz opyta partiinykh organizatsii Kurskoi oblasti. [Kursk] Kurskoe knizhnoe izd-vo, 1962. 207 p.
(CSt-H)

KHANENKO, V. S. [What are the responsibilities and rights of a member of the CPSU] Kakie neset obiazannosti i kakie imeet prava chlen KPSS. Moskva, Gospolitizdat, 1963. 76 p. (Bibliotechka molodogo kommunista)

KHRUSHCHEV, N. S. [The national liberation movement; from addresses of 1956-[illegible]] tel'nom dvizhenii, iz vy[illegible] skva, Izd-vo lit-ry na i[illegible]

KHUDAIBERDIEV, IA. [Th[illegible] cal and organizational co[illegible] Party of Turkmenistan] [illegible]nyn resmileshdirilmegi [illegible] pugtalandyrylmagy (1924-iylyn dekabry) Ashgabat neshirlaty, 1958. 186 p.
(WaU)

KIEV. INSTYTUT ISTORII Party, the inspirer and [illegible]ment of the Ukrainian pe[illegible] the U. S. S. R.] Kommun[illegible]vitel' i organizator ob"[illegible] skogo naroda za obrazov[illegible] tov i materialov. Kiev, 1962. 452 p
(InU)

KOMMUNISTICHESKAIA P[illegible] [Statute. Approved by th[illegible] Ustav. Utverzhden XXII[illegible] 1963. 111 p.

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. 9-e ekstr. S"ezd, mart-aprel', 1920 [Ninth Congress of the Russian Communist Party (Bolsheviki), March-April, 1920, minutes] Deviatyi s"ezd RKP (b), mart-aprel' 1920 goda, protokoly. Moskva, Gos. izd-vo polit. lit-ry, 1960. 650 p. (Protokoly i stenograficheskie otchety s"ezdov i konferentsii Kommunisticheskoi partii Sovetskogo Soiuza)
(LaP)

LENIN, V. I. [About the norms of party life and principles of party leadership] Lenin o normakh partiinoi zhizni i printsipakh partiinogo rukovodstva. Moskva, Gospolitizdat, 1963. 500 p.

LIMONOV, NOVOMIR. [People of a working city, sketches] Liudi rabochego goroda, ocherki. Kishinev, Kartia moldovenaske, 1962. 40 p.
(MH)

MANASOV, M. A. [The struggle of Communist Parties in capitalist countries for the unity of the working class] Bor'ba kompartii kapitalisticheskikh stran za edinstvo rabochego klassa. Moskva, Vysshiia shkola, 1963. 78 p.
(CStmoR)

MAZUROV, V. M. [Establishment of an antipopular regime in South Korea, 1945-1950] Sozdanie antinarodnogo rezhima v iuzhnoi Koree, 1945-1950. Moskva, Izd-vo vostochnoi lit-ry, 1963. 193 p.

MOSCOW. AKADEMIIA OBSHCHESTVENNYKH NAUK. [Program for studying the history of the CPSU, for clubs, seminars, and individual students within the system of political education] Programma po izucheniiu istorii KPSS dlia kruzhkov, seminarov i zaniamiushchikhsia po individual'nym planam v sisteme politicheskogo prosveshcheniia. Moskva, Sotsekgiz, 1963. 61 p.

MOSCOW. VSESOIUZNYI INSTITUT IURIDICHESKIKH NAUK. [Development of the Marxist-Leninist theory of the state and law by the 22d Congress of the CPSU] Razvitie marksistsko-leninskoi teorii gosudarstva i prava XXII s"ezdom KPSS. Pod red. N. G. Aleksandrova i S. N. Bratusia. Moskva, Gosiurizdat, 1963. 301 p.

POZHARSKAIA, L. I. [Path to the hearts] Put' k serdtsu. [Leningrad] Lenizdat, 1963. 33 p. (Iz opyta propagandy i agitatsii)

[PROGRAM FOR STUDYING THE INTERNATIONAL POSITION AND FOREIGN POLICY OF THE U. S. S. R., PRACTICE IN THE BUILDING OF SOCIALISM IN THE COUNTRIES OF PEOPLE'S DEMOCRACY, AND FOR *STUDYING THE WORLD COMMUNIST, WORKERS'*, DEMOCRATIC, AND NATIONAL LIBERATION MOVEMENTS, FOR GROUPS, SEMINARS, AND INDIVIDUAL PLAN STUDENTS] Programma po izucheniiu mezhdunarodnogo polozheniia i vneshnei politiki SSSR, opyta sotsialisticheskogo stroitel'stva v stranakh narodnoi demokratii, mirovogo kommunisticheskogo, rabochego, demokraticheskogo i natsional'no-osvoboditel'nogo dvizheniia, dlia kruzhkov, seminarov i zaniamiushchikhsia po individual'nym planam. Moskva, Sotsekgiz, 1963. 31 p.

[PROGRAM FOR THE COURSE "FUNDAMENTALS OF MARXISM-LENINISM", for clubs, seminars and political self-education] Programma kursa "osnovy marksizma-leninizma", dlia kruzhkov, seminarov i politicheskogo samoobrazovaniia. Moskva, Sotsekgiz, 1963. 53 p.

RUSSIA (1923- U. S. S. R.) Verkhovnyi Sovet. Informatsionno-statisticheskii otdel. [Administrative and territorial divisions of the Union Republics; a supplement to the 1958 edition] Administrativno-territorial'noe delenie Soiuznykh Respublik; dopolnenie k spravochniku vypuska 1958 goda. Moskva, Izd-vo "Izvestiia Sovetov deputatov trudiashchikhsia SSSR," 1959. 53 p.
(CStmoR)

SHABAD, B. A. [Political philosophy of present-day imperialism, critical evaluation of its principal concepts] Politicheskaia filosofiia sovremennogo imperializma, kritika osnovnykh kontseptsii. Moskva, Izd-vo IMO, 1963. 245 p.

TAMM, ILMAR. [Supreme Soviet of the Estonian S. S. R.] Eesti NSV Ulemnoukogu. Tallinn, Eesti Riiklik Kirjastus, 1963. 105 p. [In Estonian]

TARANOV, A. P. [Soviet deputy] Radians'kyi deputat. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1959. 58 p.
(MH-L)

TOMSK. UNIVERSITET. Ekonomiko-iuridicheskii fakul'tet. [Problems of economics, state, and law in the decisions of the 22d Congress of the CPSU, reports, May 1962] Voprosy ekonomiki, gosudarstva i prava v resheniiakh XXII s"ezda KPSS, doklady, mai 1962 g. Tomsk, Izd-vo Tomskogo univ. 1962. 111 p.

[WE ARE THE STATE] Gosudarstvo, eto my. Moskva, Sovetskaia Rossiia, 1963. 78 p.
(MH)

ZAITSEV, V. S., A. A. TIMOFEEVSKII, and P. G. NOVIKOV. [The second phase, the CPSU in the struggle for the building of socialism] Na vtorom etape; KPSS v bor'be za postroenie sotsializma. Moskva, Izd-vo "Znanie," 1963. 72 p. (Novoe v zhizni, nauke, tekhnike. I Seriia. Istoriia, no 15-16)

ZAKHAROV, D. P. [Inculcate progressive practice more widely] Shire vnedriat' peredovoi opyt. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1961. 40 p.
(NIC)

ZEMLIANKO, D. A. [Allow a wide road for voluntary participation] Obshchestvennym nachalam — shirokuiu dorogu. Moskva, Politizdat, 1963. 59 p. (Voprosy partiinogo stroitel'stva)

7. LAW

AZERBAIJAN. Laws, statutes, etc. [Statute on elections to province (Nagorno-Karabakh Autonomous Province), district, city, village, and settlement soviets of workers deputies in the Azerbaijan S. S. R. Adopted by decree of the Presidium of the Supreme Soviet of the Azerbaijan S. S. R., December 23, 1954. As amended by the decrees of the Presidium of the Supreme Soviet of the Azerbaijan S. S. R., December 29, 1956, January 13, 1959, January 11, 1961, January 8, 1962 and January 4, 1963] Polozhenie o vyborakh v oblastnoi (Nagorno-Karabakhskoi avtonomnoi oblasti), raionnye, gorodskie, sel'skie i poselkovye Sovety deputatov trudiashchikhsia Azerbaidzhanskoi SSR. Utverzhdeno Ukazom Prezidiuma Verkhovnogo Soveta Azerbaidzhanskoi SSR ot 23 dekabria 1954 g. S izmeneniiami, vnesennymi Ukazami Prezidiuma Verkhovnogo Soveta Azerbaidzhanskoi SSR ot 29 dekabria 1956 g. 13 ianvaria 1959 g., 11 ianvaria 1961 g., 8 ianvaria 1962 g. i 4 ianvaria 1963 g. Baku, Azerneshr, 1963. 27 p.

IURCHENKO, A. K. [Problems of the Soviet patent law] Problemy sovetskogo izobretatel'skogo prava. [Leningrad] Izd-vo Leningr. univ., 1963. 179 p.

KAZAKH S. S. R. Laws, statutes, etc. [Code of criminal procedure of the Kazakh S. S. R.] Ugolovno-protsessual'nyi kodeks Kazakhskoi Sovetskoi Sotsialisticheskoi Respubliki. Alma-Ata, Kazakhskoe gos. izd-vo, 1960. 147 p.
(MH-L)

KLIMKA, ALFONSAS. [Soviet socialist justice] Tarybinis socialistinis teisetumas. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1963. 73 p. [In Lithuanian]

KOMI A. S. S. R. Laws, statutes, etc. [Statute on elections to the Supreme Soviet of the Komi A. S. S. R.; adopted by decree of the Presidium of the Supreme Soviet of the Komi A. S. S. R., December 12, 1950. With amendments and supplements introduced by decrees of the Presidium of the Supreme Soviet of the Komi A. S. S. R., December 10, 1954, January 3, 1959, and January 11, 1963] Polozhenie o vyborakh v Verkhovnyi Sovet Komi ASSR; utverzhdeno Ukazom Prezidiuma Verkhovnogo Soveta Komi ASSR ot 12 dekabria 1950 g. S izmeneniiami i dopolneniiami vnesennymi Ukazom Prezidiuma Verkhovnogo Soveta Komi ASSR ot 10 dekabria 1954 goda, 3 ianvaria 1959 goda i 11 ianvaria 1963 goda. Syktyvkar, Komi knizhnoe izd-vo, 1963. 18 p.
[MICROFILM]

KUDRIAVTSEV, V. N. [Theoretical principles of the determination of the criteria of criminal offenses] Teoreticheskie osnovy kvalifikatsii prestuplenii. Moskva, Gosiurizdat, 1963. 323 p.

LITHUANIAN S. S. R. Laws, statutes, etc. [Statute on elections to the people's courts in the city districts of the Latvian S. S. R., adopted by Decree of the Presidium of the Supreme Soviet of the Latvian S. S. R., October 22, 1960] Polozhenie o vyborakh raionnykh (gorodskikh) narodnykh sudov Latviiskoi SSR; utverzhdeno Ukazom Prezidiuma Verkhovnogo Soveta Latviiskoi SSR ot 22 oktiabria 1960 goda. Riga, Latviiskoe gos. izd-vo, 1963. 22 p.

MASEVICH, M. G. [Basic rights and duties of parents and children in the Soviet family] Osnovnye prava i obiazannosti roditelei i detei v sovetskoi sem'e. Alma-Ata, [Ob-vo rasprostraneniia politicheskikh i nauchn. znanii Kazakhskoi SSR], 1963. 37 p.
(MH-L)

MOKÁ, GEORGE. [Legal nature of decisions of the General Assembly of the United Nations] Pravovaia priroda reshenii Generalnoi Assamblei Obedinennykh Natsii. Leningrad, Gos. izd-vo polit. i nauchn. literatury, 1963. 15 p. (Materialy k sodeistviiu nauchnomu issledovaniiu sovetskikh nauk. Nauchnyi rukovodstvo kafedroi mezhdunarodnogo prava Moskovskogo gos. univ. imeni M. V. Lomonosova). Moskva, Mosk. univ. 1962. 15 p.
[MICROFILM]

RUSSIA (1923- U. S. S. R.) Laws, statutes, etc. [Collected laws on inventions and efficiency proposals] Sbornik zakonodatel'stva ob izobretatel'stve i ratsionalizatsii. Izd. 2., ispr. i dop. Moskva, 1963. 314 p.

RUSSIA (1923- U. S. S. R.) Laws, statutes, etc. [Commentary to the 1960 Code of Civil Procedure of the R. S. F. S. R.] Kommentarii k grazhdanskomu protsessual'nomu kodeksu RSFSR 1960 g. Leningrad, Izd-vo Leningr. univ., 1962. 307 p.
(MH)

STETSENKO, V. S. [The role of the state in the building of communism] Rol' gosudarstva v stroitel'stve kommunizma. Kyiv, Vyd-vo polit. lit-ry URSR, 1960. 65 p.
(MH-L)

SUKIASIAN, A. G. [Socio-political system of Armenia in the period of early feudalism, third through the ninth century A. D.] Obshchestvenno-politicheskii stroi i pravo Armenii v period rannego feodalizma; III-IX vv. n. e. Leningrad, Izd-vo Leningr. gos. univ., 1963. 623 p.

TANASEVICH, V. G. [Audit and accounting in the investigation of cases of embezzlement of state and public property; a methodical manual] Bukhgalterskaia ekspertiza pri rassledovanii khishchenii gosudarstvennogo i obshchestvennogo imushchestva, metodicheskoe posobie. Minsk, Gos. izd-vo Latskovskii. Moskva, Gos. izd-vo, 1963. 150 p.
(MH-L)

[TRIAL OF O. V. PEN'KOVSKII, SOVIET CITIZEN AN AGENT OF THE ENGLISH AND AMERICAN INTELLIGENCE SERVICES, AND OF THE ANTI-SOVIET SPY-CONSPIRATOR, A CITIZEN OF GREAT BRITAIN, MAY 7-11, 1963] Sudebnyi protsess po delu o shpionskom delu agenta angliiskoi i amerikanskoi razvedok - grazhdanina SSSR Pen'kovskogo O. V. i inostrannogo poddannogo Velikobritanii V. Vinna. Sverdlovsk, Sverdlovskaia oblastnaia Mala 1963 goda. Moskva, Politizdat, 1963. 287 p.

ZIVS, S. L. [The ideological power of the struggle against the distortion of the problems of the state and law by the ideologists of anti-communism] Ideinaia nishchetа antikommunizma v osveshchenii ego ideologami antikommunizma. Moskva, Izd-vo Moskovskogo gosudarstva i prava. Moskva, 1963. 128 p.

8. EDUCATION

DRYKIN, A. T., IU. A. IPPOLITOV, and A. I. SMOLIANINOV. [Preparation of judges for gymnastics competitions] Podgotovka sudei po gimnastike. Moskva, Gos. izd-vo "Fizkul'tura i sport," 1963. 187 p.

[EUREKA! Higher school for all] Evrika! Vysshaia shkola dlia vsekh. [n. p.] 1962. 18 p.
[MH-BUS]

FOKIN, E. V. [Game of the goalkeeper] Igra vratarem. 3. Izd., ispr. i dop. Moskva, Izd-vo "Fizkul'tura i sport," 1963. 81 p.

[HANDBOOK FOR THOSE ENTERING INSTITUTES OF HIGHER LEARNING OF THE U. S. S. R. IN 1963] Spravochnik dlia postupaiushchikh v vysshie uchebnye zavedeniia SSSR v 1963 g. Moskva, Vysshaia shkola, 1963. 142 p.

[HANDBOOK FOR THOSE ENTERING LENINGRAD UNIVERSITY IN 1963, information on the University, entrance regulations and entrance examinations] Spravochnik dlia postupaiushchikh v Leningradskii universitet v 1963 godu; svedeniia ob universitete, pravila priema i programmy vstupitel'nykh ekzamenov. [Leningrad] Izd-vo Leningr. univ. 1963. 150 p.

ANKOVSKAIA, A V., and Z E. KRYLOVA. [How to organize "ABC" instruction of six-year-olds in the family; instructions for parents] Kak organizovat' v sem'e obuchenie rebenka shesti let po "Azbuke", ukazaniia dlia roditelei Izd 3. Moskva, Gos. uchebno-pedagog. izd-vo, 1962 31 p.
(OU)

SAEV, P. O. [Bibliography of Soviet literature on problems of the physical development and physical education of children and adults] Bibliograficheskii ukazatel' literatury po voprosam fizicheskogo razvitiia i fizicheskogo vospitaniia detskogo i vzroslogo naseleniia Alma-Ata, M-vo zdravookhraneniia Kazakhskoi SSR 1957. 153 p.
(MH)

KAIROV, I. A. [The new program of the CPSU and the tasks assigned to educational science] Novaia Programma KPSS i zadachi pedagogicheskoi nauki. Moskva, Akad. pedagog. nauk RSFSR, 1963. 94 p.
(MH)

KOLESNIKOVA, N. A., and P. F. MIKHALEV. [It is better to start today] Luchshe nachat' segodnia. Moskva, Detgiz, 1963. 92 p.

KONOV, I. I. [Game of the forwards] Igra napadaiushchikh Moskva, Izd-vo "Fizkul'tura i sport," 1963. 79 p.

LENIN, V. I. [Lenin on education and training] Lenin o vospitanii i obrazovanii. Moskva, Uchpedgiz, 1963. 675 p.
(MH)

MIAGCHENKOV, N. I. [Refereeing of wrestling competitions] Sudeistvo sorevnovanii po bor'be. Moskva, Izd-vo "Fizkul'tura i sport," 1963. 94 p.

MOROZ, B. P. [Develop strength] Razvivaite silu 4., dop. izd. Moskva, Izd-vo "Fizkul'tura i sport," 1963 128 p.

RAU, E. F. [Training of preschool children with hearing defects] Vospitanie detei doshkol'nikov s nedostatkami slukha. Moskva, Medgiz, 1959. 30 p. (Sovety roditeliam)

RAU, F. A., and E. F. RAU. [Training a deaf child in the family] Vospitanie glukhogo rebenka v sem'e. Izd. 2. Moskva, Uchpedgiz, 1958. 64 p.

RUSSIA (1917- R. S. F. S. R.) Programmo-metodicheskoe upravlenie. [Questions for graduation examinations in the eight-year school course for the 1962-1963 school year] Bilety dlia vypusknykh ekzamenov za kurs vos'miletnei shkoly na 1962/63 uchebnyi god. [Moskva] Uchpedgiz, 1963. 27 p.

SAMUILENKOV, D. F. [Skill, pedagogical tact, and authority of the teacher] Masterstvo, pedagogicheskii takt i avtoritet uchitelia. Izd. 2., ispr. i dop. [Smolensk] Smolenskoe knizhnoe izd-vo, 1961. 212 p.

SHEVIAKOV, L. D. [How to work on a dissertation] Kak rabotat' nad dissertatsiei. Izd. 3., perer. Moskva, Izd-vo Akad. nauk SSSR, 1954. 31 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)
(ICMILC)

UMREIKO, S. A., ed. [Prominent Russian pedagogue; a collection of articles on the pedagogical legacy of N. K. Krupskaia] Vydaiushchiisia sovetskii pedagog; sbornik statei o pedagogicheskom nasledii N. K. Krupskoi. Minsk, Gos. uchebno-pedagog. izd-vo, 1961. 122 p.
(CtY)

[WHAT ARE YOU DOING THIS EVENING? How the Soviet man rests] Chto ty delaesh segodnia vecherom? Kak otdykhaet sovetskii chelovek. [n. p.] 1962. 15 p.
[MICROFILM]

9. MUSIC, THEATER & MOTION PICTURES

ASAF'EV, B. V. [Musical form as a process] Muzykal'naia forma kak protsess. Leningrad, Muzgiz. Books 1-2. 1963. 378 p

BERKOV, V. O., and V. PROTOPOPOV. [Golden Cockerel; an opera by N. A. Rimskii-Korsakov] Zolotoi petushok; opera N. A. Rimskogo-Korsakova. Izd. 2., Moskva, Muzgiz, 1962. 55 p. (Putevoditel' po operam)
(MH)

BIRMAN, S. G. [Career of an actress] Put' aktrisy. Moskva, Vserossiiskoe Teatral'noe ob-vo, 1962. 200 p.

BLAGOI, D. D. [Skriabin's Etudes] Etiudy Skriabina. Moskva, Muzgiz, 1963 62 p. (Biblioteka slushatelia kontsertov)

BLOK, V. B. [Stanislavskii's method and problems of dramaturgy] Sistema Stanislavskogo i problemy dramaturgii Moskva, Vseros. teatral'noe ob-vo, 1963. 193 p.

BORODIN, A. P. [Prince Igor] Kniaz' Igor'. Moskva, Gos. muzykal'noe izd-vo, 1961 101 p (Opernye libretto)
(MdBJ)

FINK, L. A. [Actors of our theater, studies and characterizations] Aktery nashego teatra, etiudy i kharakteristiki. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1962. 125 p.
(NIC)

ISAZADE, A. [Instrumental works by composers of Soviet Azerbaijan, for bowed stringed instruments] Instrumental'noe tvorchestvo kompozitorov Sovetskogo Azerbaidzhana, dlia struno-smychkovykh instrumentov. Baku, Akad. nauk Azerbaidzhanskoi SSR, 1961. 146 p. [In Azerbaijani]
(MH)

IUR'EV, IU. M. [Memoirs] Zapiski. Red. i vstup. stat'ia E. M. Kuznetsova, Leningrad, Iskusstvo. (Teatral'nye memuary)
Vol. 1. 1963. 668 p.

KATONOVA, S. V. [S. Prokof'ev's ballets] Balety S. Prokof'eva. Moskva, Sovetskii kompozitor, 1962. 28 p. (V pomoshch' slushateliam narodnykh universitetov kul'tury. Besedy o muzyke)
(MiU)

KEL'BERG, A. V., comp. [Composers of Soviet Kazakhstan] Kompozitory Sovetskogo Kazakhstana, sbornik statei. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. lit-ry, 1958. 233 p.
(WaU)

KHERSONSKII, KH. N. [Boris Shchukin, an actor's career] Boris Shchukin, put' aktera. Moskva, Gos. izd-vo "Iskusstvo," 1954. 273 p.

KHRABROVITSKII, D. IA. [Clear sky; a motion-picture story] Chistoe nebo; kinoroman. Moskva, Iskusstvo, 1963. 117 p. (Biblioteka kinodramaturgii)
(MH)

KHUCHUA, P. V. [The Z. Paliashvili State Lenin Theater of Opera and Ballet in Tiflis] Tbilisskii ordena Lenina Gosudarstvennyi teatr opery i baleta im. Z. Paliashvili. Tbilisi, Izd-vo "Khelovneba," 1962. 106 p.

KIRSHON, V. M. [Articles and speeches on drama, theater, and motion pictures. V. M. Kirshon's plays on the stage. Reminiscences about V. M. Kirshon] Stat'i i rechi o dramaturgii, teatre i kino. P'esy V. M. Kirshona na stsene. Vospominaniia o V. M. Kirshone. Pod obshchei red. komissii po literaturnomu nasledstvu V. M. Kirshona, A. V. Karaganov i dr. Moskva, Iskusstvo, 1962. 293 p.
(NIC)

LEONOVA, M. F. [Symphonic works by R. M. Gliere, symphonies, one-movement compositions, concertos] Simfonicheskie proizvedeniia R. M. Gliera; simfonii, odnochastnye sochinenila, kontserty. Spravochnik-putevoditel'. Moskva, Sovetskii kompozitor, 1962. 114 p.
(MH)

LEPIN, A. IA. [If the accordion could; songs with accordion accompaniment] Esli b garmoshka umela; pesni s soprovozhdeniem balalaika dat, 1963, 157 p.

[MASTERS OF THE SOVIET BALLET ings] Mastera sovetskogo baleta; a Red, E. I. Kopelian. Leningrad, Kh
Vol. 1. 1963.
(NNC)

MNATSAKANOVA, E. A. [Azerbaijani Azerbaidzhanskaia narodnaia muzyk Sovetskii kompozitor, 1963. 28 p. fol'klornaia biblioteka liubitelei mu

PARKHOMENKO, L. O. Kyrylo Hryho Kyiv, Derzh. vyd-vo "Mystetstvo,"

PECHERSKII, P. L. [Janis Iovans' Eighth Symphony, interpretation] Vos'maia simfoniia IAnisa Ivanova, poiasnenie Moskva, Sovetskii kompozitor, 1961. 30 p.
(MH)

POPOVA, T. V. [Suite] Siuita Moskva, Muzgiz, 1963 71 p (Muzykal'nye formy i zhanry)

RIMSKII-KORSAKOV, N. A. [Complete collected works] Polnoe sobranie sochinenii Moskva, Muzgiz.
Vol. 5. [Literary works and correspondence] Literaturnye proizvedeniia i perepiska. Tom podgotovlen A. S. Liapunovoi. 1963 590 p.

ROITERSHTEIN, M. I. [Violin concerto by T. N. Khrennikov, an analysis] Skripichnyi kontsert T. N. Khrennikova, poiasnenie. Moskva, Sovetskii kompozitor, 1962, 18 p.
(MH)

ROMADINOVA, D. G. [O Taktakishvili's opera "Mindia," interpretation] Opera O Taktakishvili "Mindiia," (poiasnenie). Moskva, Sovetskii kompozitor, 1963. 61 p.

SHEIN, S. F. [A. G. Rubinstein's "Demon"] Demon A. G. Rubinshteina. 2.izd. Moskva, Muzgiz, 1961. 77 p. illus. (Putevoditel' po operam)
(MH)

SHILOV, A. V. [From the history of the first Soviet songs, 1917-1924] Iz istorii pervykh sovetskikh pesen, 1917-1924. Moskva, Sovetskii kompozitor, 1963 59 p (V pomoshch' slushateliam narodnykh universitetov kul'tury)

SHILOV, G. E. [Simple gamut, the structure of the musical scale] Prostaia gamma, ustroistvo muzykal'noi shkaly. Moskva, Fizmatgiz, 1963. 18 p. (Populiarnye lektsii po matematike, no. 37)

SHNEERSON, G. Aram Khachaturian Moskva, Sovetskii kompozitor, 1960. 42 p. (V pomoshch' slushateliam narodnykh universitetov kul'tury. Besedy o muzyke)
(TxFTC)

TOPORKOV, V. O. [Four essays on K. S. Stanislavskii] Chetyre ocherka o K. S. Stanislavskom. Moskva, Sovetskaia Rossiia, 1963. 45 p.
(NIC)

VAISYTE, IRENA [Training an actor to perform creatively] Formirovanie tvorcheskogo kharaktera aktera. Moskva, Vserossiiskoe teatral'noe ob-vo, 1961 196 p.
(MiU)

ZAL'TSER, S. D. A. A. Briantsev. Moskva, Vseros. teatral'noe ob-vo, 1962. 290 p.
(MH)

ZARIPOV, R. KH. [Cybernetics and music] Kibernetika i muzyka. Moskva, Izd-vo "Znanie," 1963. 61 p. (Novoe v zhizni, nauke, tekhnike IX Seriia: Fizika i khimiia, no. 18)

10. FINE ARTS

ABDULLAEV, M. G. [With the eyes of a Baku resident; travel notes] Glazami bakintsa, putevye zametki. Baku, Azerbaidzhanskoe izd-vo dotsk i iunosheskoi lit-ry, 1962, 138 p. illus.
(MH)

AMIRANASHVILI, SH. IA. [History of Georgian art] Istoriia gruzinskogo iskusstva. Moskva, Izd-vo Iskusstvo, 1963 459 p. illus.

CHEGODAEV, A D [Antoine Watteau] Antuan Vatto Moskva, Gos izd-vo iskusstva, 1963 31 p 53 plates

CHUIKOV, S A. [Semen Chuikov, selected works] Semen Chuikov izbrannye proizvedeniia Moskva, Izd-vo Akad khudozh SSSR, 1963 23 p 54 plates

[CONCISE ENCYCLOPEDIA OF ART. Art of countries and peoples the world over Architecture, painting, sculpture, graphic arts, decorative art] Kratkaia khudozhestvennaia entsiklopediia Iskusstvo stran i narodov mira Arkhitektura, zhivopis', skul'ptura, grafika, dekorativnoe iskusstvo. Red kollegiia N V Baranov i dr Moskva, Gos nauchn izd-vo "Sovetskaia entsiklopediia"
Vol 1 [Australia - Egypt] Avstraliia - Egipet 1962 604 p. (Entsiklopedii, slovari, spravochniki)

DAVYDOVA, A S. Kramskoi Moskva, Iskusstvo, 1962 109 p plates
(MH)

DEMOSFENOVA, G L Viktor IAkovlevich Konovalov. Moskva, Sovetskii khudozhnik, 1962 90 p

EESTI NSV KUNSTNIKUD SUURES ISAMAASOJAS, 1941-1945 [Artists of the Estonian S S R. during the Great Patriotic War, 1941-1945] Khudozhniki Estonskoi SSR v Velikoi Otechestvennoi voine, 1941-1945 Tallinn, Eesti NSV Kunst, 1963. 247 p [Text in Estonian and Russian]

FEKHNER, M V. Kolomna Moskva, Gosstroiizdat, 1963 141 p (Arkhitektura gorodov SSSR)

GALERKINA, O. I., and F. L. BOGDANOV. [Indic art, the ancient period and Middle Ages] Iskusstvo Indii, v drevnosti i srednie veka. Moskva, Izd-vo Akad nauk khudozhestv SSSR, 1963 66 p illus. (Biblioteka po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodeiatel'nosti i shkol'nykh bibliotek)

GERTSENBERG, V R. Boris Ivanovich Prorokov. Leningrad, Khudozhnik RSFSR, 1962 44 p. illus. (Narodnaia biblioteka po iskusstvu)
(MH)

GRABOVSKII, I A., and I N DNESTROV [Pereyaslav-Khmel'nitskii, an essay on its architectural history] Pereiaslav-Khmel'nitskii, arkhitekturno-istoricheskii ocherk Pod red I. A. Grabovskogo. Kiev, Izd-vo Akad arkhit USSR, 1954 79 p illus
(MiU)

IUFEROVA, A A. Isaak Il'ich Levitan Leningrad, Khudozhnik RSFSR, 1962. 38 p plates. (Narodnaia bibliotechka po iskusstvu)
(MH)

KAGANOVICH, A. L. [Anton Losenko and Russian art of the middle of the 18th century] Anton Losenko i russkoe iskusstvo serediny XVIII stoletiia Moskva, Izd-vo Akad khudozh SSSR, 1963 318 p

KAMENSKII, V A. [Leningrad today and tomorrow] Leningrad segodnia i zavtra. Leningrad, Lenizdat, 1962 117 p.
(MH)

KAPLANOVA, S. G. Danil Iakovlevich Cherkes. Moskva, Sovetskii khudozhnik, 1962. 90 p illus. plates
(MH)

KASIIAN, VASYL'. [Art of the graphic drawing] Mystetstvo grafiky. 2., dopovnene vydannia. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1963. 43 p. (Bibliotechka z pytan' mystetstva)

KAUFMAN, R. S. Arkadii Aleksandrovich Plastov Moskva, Iskusstvo, 1962. 20 p. 27 col. plates (Sovetskie khudozhniki) [With summaries in German, English and French]
(MH)

KHAIT, V. L., and O. N. IANITSKII. [Oscar Niemeyer] Oskar Nimeier. Moskva, [Gosstroiizdat] 1963. 155 p.

KIL'CHEVSKAIA, E. V. [Decorative art in Kubachi aul] Dekorativnoe iskusstvo aula Kubachi Moskva, Gos. izd-vo mestnoi promyshl. i khudozh. promyslov RSFSR, 1962. 83 p. illus. plates.
(MH)

KOROL', I G., and V P SVITKO. [Kindergartens and day nurseries, their design and construction] Dytiachi sadky ta iasla dlia sela, proektuvannia i budivnytstvo. Kyiv, Derzhbudvydav URSR, 1961. 74 p. (Sil's'komu budivnytstvu)

KOROVIN, S A Sergei Alekseevich Korovin. Moskva, Gos izd-vo izobraz iskusstva, 1961. 1 v. (chiefly illus.)
(WU)

KRAVCHENKO, K. Sergei Timofeevich Konenkov Moskva, Iskusstvo, 1962 163 p. plates.
(NN)

KURIL'TSEVA, V. V. [Artists of the Soviet Ukraine, painting, sculpture, and drawing] Khudozhniki Sovetskoi Ukrainy, zhivopis', skul'ptura, grafika. [Moskva, Sovetskii khudozhnik, 1962] [4] l. plates in portfolio
(MiU)

LEBEDEV, IU. [The art of tropical West Africa] Iskusstvo Zapadnoi tropicheskoi Afriki. Moskva, Izogiz, 1962. xiii, 24 p. of illus
(IEN)

LEONT EVA, G. K. Leonid Vasil'evich Kabachek. Leningrad, Khudozhnik RSFSR, 1963. 52 p. illus. plates.
(MH)

LEVENFISH, E. G. Konstantin Apollonovich Savitskii, 1844-1905. Leningrad, Iskusstvo, 1959. 173 p.
(MH)

LOBANOVS'KYI, B. B. Dmytro Mykolaiovych Shavykin. Kyiv, Derzh vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1962 29 p. illus. plates.
(MH)

MIKENAITE, A. M. Katilliute. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1963. 27 p. illus [In Lithuanian and Russian]

MOSCOW. GOSUDARSTVENNYI MUZEI IZOBRAZITEL'NYKH ISKUSSTV. [The art of antiquity; a catalogue] Antichnoe iskusstvo, katalog. Moskva, Izd-vo "Iskusstvo," 1963. 169 p. illus.

MOSCOW INSTITUT ISTORII ISKUSSTV. [Contemporaneity and aspects of art] Vidy iskusstva i sovremennost' Moskva, Iskusstvo, 1962. 198 p. illus. (Its Voprosy estetiki, no. 5)
(MH)

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT KHUDOZHESTVENNOI PROMYSHLENNOSTI. [Sapozhok folk weaving] Sapozhkovskoe narodnoe tkachestvo Moskva, Vses. kooperativnoe izd-vo, 1960. 38 p. chiefly illus.
(Cty)

NIKITINA, IU. I. [St Antonius Cathedral, an architectural monument of the 12th century] Antonievskii sobor - arkhitekturnyi pamiatnik XII veka. [Novgorod] "Novgorodskaia pravda," 1962. 22 p. illus.
(DDO)

ONUFRIEVA, S. A. Aleksandr Nikolaevich Kirchanov, Kemerovo Leningrad, Khudozhnik RSFSR, 1962. 28 p. illus. (Khudozhniki rossiiskoi federatsii)

PAVLOV, I. N. [Life of a Russian engraver] Zhizn' russkogo gravera. [3., pere izd.] Red, i vstup. stat'ia M. P. Sokol'nikova. Moskva, Akad. khudozh. SSSR, 1963. 301 p. illus. plates.
(MH)

PAVLOVSKII, B. V. Aleksandr Gavrilovich Vlaznikov. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 52 p. illus. (Khudozhniki Sverdlovska)
(MH)

PAVLOVSKII, B. V. [Cast-iron pavillion, Kasli'nskii Factory, 1900] Chugunnyi pavil'on, Kaslinskii zavod, 1900 god Sverdlovsk, Sverdlovskaia kartinnaia galereia, 1961. 16 p. illus., plates.
(MH)

PAVLOVSKII, B. V. [Prerevolutionary "Pravda" on the fine arts] Dooktiabr'skaia "Pravda" ob izobrazitel'nom iskusstve. Leningrad, Khudozhnik RSFSR, 1962. 90 p. illus.
(NIC)

PUGACHENKOVA, G. A. [Art of Afghanistan; three studies] Iskusstvo Afganistana; tri etiuda, Moskva, Iskusstvo, 1963. 246 p.

RIGA. VALSTS LATVIEŠU UN KRIEVU MUZEJS. [Latvian painting] Latviešu glezniecība Rīga, Latvijas valsts izd-ība, 1963 [14] p. portfolio [Text in Latvian, Russian, English, German]

ROGACHEVSKII, V. M Vasilii Ivanovich [Leningrad] Leningradskii khudozhnik, 1[illegible] plates.
(MH)

ROITENBERG, O. O. [Haifa] Gal'in Moskva, 1957 60 p [32] plates.
(MH)

SAVINSKII, V. E [Drawings and watercolors] akvareli Leningrad, Khudozhnik RSFSR, [illegible]

SKULME, OTO. Oto Skulme. Rīga, Latvijas valsts izdevniecība, 1962 [6] p plates. [In Latvian, Russian]
(MH)

SOIUZ KHUDOZHNIKOV RSFSR. [illegible] nie. [Boris Nikolaevich Firmolaev, [illegible] ibition] Boris Nikolaevich Firmolaev [illegible] ki. Leningrad, 1961 25 p illus.
(MH)

SOKOLOVA, T. M. [Halls of the Winter Palace Hermitage, brief historical and architectural Zaly Zimnego dvortsa i Ermitazha, kratkii arkhitekturnyi ocherk. Leningrad, [illegible] tazha, 1963 1 v. (chiefly illus. [Text in Russian French]

SURIKOV, V. V. Surikov. Moskva, [illegible] brazitel'nogo iskusstva, 1963 13 p plates

TALLINN. POLUTEHNILINE INSTITUUT. [Details of the design of industrial buildings] Tööstushoonete projekteerimise juhendmaterjale. Koost. Kh. P. Otloot. Tallinn, 1962 [illegible] tektuury, razdel III A)

TIKHANOVA, V. A. Ara Sarkisian. Moskva, Iskusstvo khudozhestv SSSR, 1962. 130 p. illus. plates
(MH)

TIKHANOVA, V. A. Valentin TSanevich Sokolov Sovetskii khudozhnik, 1956. 64 p., plates
(MH)

VENETSIANOV, A. G. [Aleksei Gavrilovich Venetsianov; reproductions of his works] Aleksei Gavrilovich Venetsianov; reproduktsii. [Moskva, Izd-vo sovnarkhoz, 1962] 1 v. (chiefly illus.) [illegible] by I. Klavdieva]
(MiU)

VIPPER, B R [Essays on the golden age of Dutch painting] Ocherki gollandskoi zhivopisi, [illegible] rastsveta, 1640-1670. Moskva, Izd-vo [illegible] 1962. 516 p illus.
(NjP)

ZHADOVA, L. A. [Contemporary painting, [illegible] Sovremennaia zhivopis' Uzbekistana [illegible] Gosizdat UzSSR, 1962. 110 p. illus.
(MH)

ZHURAVLEVA, E. V. Valentin Alekseevich [illegible] Leningrad, Khudozhnik RSFSR, 1963. [illegible] (Narodnaia bibliotechka po iskusstvu)
(MH)

ZOLOTOV, IU. K. [Fragonard] Fragonar. [illegible] Iskusstvo, 1960. 34 p., plates.
(MH)

ZONOVA, O. [Art treasures of the Moscow [illegible] Icons, murals, and miniatures, an album] [illegible] zhestvennye sokrovishcha Moskovskogo [illegible] Ikony, stennaia zhivopis' miniatury. Moskva, 1963. 21 p. illus. 60 plates. [Text in Russian English, French, and German]
(MH)

11. LANGUAGE, LITERATURE & FOLKLORE

ABDULLAEV, VAKHID. [Messenger of [illegible] Pravda, 1912-1962] Glashatai kommunizma [illegible] 1912-1962. [By] Vakhid Abdullaev i Tabbar [illegible] Tashkent, 1962. 173 p. [In Uzbek]
(MH)

ABDULZHALILOV, F. A. [On the banks of the Aksu, a tale. Translated from the Nogai] Na beregu Aksu, povest. Cherkessk, Karachaevo-Cherkesskoe knizhnoe izd-vo, 1962 86 p.
(NNC)

ABRAMOV, F. A. [Brothers and sisters, Fatherless, Once there was a little salmon, stories] Bratʹia i sestry, Bezottsovshchina, Zhila - byla semuzhka; rasskazy. [Leningrad] 1963. 412 p. [Cover title Povesti. Rasskazy]
(MH)

AFANAS'EV, A. P. [Pidgeon aeriodhome, verse] Golubinyi aeriodhom, stikhi. Uzhgorod, Zakarpatskoe oblastnoe knizhno-gazetnoe izd-vo, 1963 73 p.
(MH)

AGAEV, A. G. [Suleiman Stal'skii, his life and works] Suleiman Stal'skii, zhizn' i tvorchestvo [Makhachkala] Dagestanskoe knizhnoe izd-vo, 1963 226 p.

AGEEV, N. E. [Spring starts; verse and poems] Rodnikovye zvezdy, stikhi i poemy. [Moskva] Molodaia gvardiia, 1963. 101 p.
(MH)

AIBEK, pseud. [Works. Translated from the Uzbek] Sochineniia. Tashkent, Gos. izd-vo khudozh lit-ry UzSSR [Author's real name Musa Tashmukhammedov.]
Vols. 1-2. 1962-
(NNC)

AKADEMIIA NAUK SSSR. Biblioteka. [A. N. Ostrovskiĭ's library (A description)] Biblioteka A. N. Ostrovskogo (Opisanie). Leningrad, 1963. 272 p.

AKADEMIIA NAUK SSSR. IAkutskiĭ filial, Yakutsk. Institut lazyka, literatury i istorii. [Dialectological materials on the dialects of the Evenki in the Yakut A. S. S. R.] Dialektologicheskie materialy po govoram evenkov IAkutskoĭ ASSR. Moskva, Akad. nauk SSSR.
Vol. 1. 1962.
(MH)

AKADEMIIA NAUK SSSR. Institut istorii. [Folk tales about God, saints, and priests, Russian, White Russian and Ukrainian] Narodnye skazki o boge, sviatykh i popakh; russkie, belorusskie, ukrainskie. Moskva, Izd-vo Akad. nauk SSSR, 1963. 229 p.

AKADEMIIA NAUK SSSR. Institut mirovoĭ literatury. [History of French literature] Istoriia frantsuzskoĭ literatury. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 4. 1917-1960 gg. 1963. 644 p.

AKADEMIIA NAUK SSSR. Institut russkogo lazyka. [Orthographic dictionary of the Russian language; approximately 104,000 words] Orfograficheskiĭ slovarʹ russkogo lazyka. Okolo 104 000 slov. Izd. 5., ispr. i dop. Moskva, Gos. izd-vo inostr. i natsionalʹnykh slovareĭ, 1963. 1040 p.

AKADEMIIA NAUK SSSR. Institut russkogo lazyka. [Slavic linguistics, a bibliographic index to the literature published in the U. S. S. R. from 1918 to 1960] Slavianskoe lazykoznanie, bibliograficheskiĭ ukazatelʹ literatury, izdannoĭ v SSSR s 1918 po 1960 gg. Moskva, Izd-vo Akad. nauk SSSR
Pts. 1-2. 1963

AKADEMIIA NAUK SSSR. Institut russkoĭ literatury. [History of the Russian novel] Istoriia russkogo romana. Moskva, Izd-vo Akad. nauk SSSR, 1962. 2 v.
(CaAEU)

AKADEMIIA NAUK TURKMENSKOI SSR. Ashkhabad. Institut lazykoznaniia. [Orthographic dictionary of the Turkmen language, 80,000 words] Orfograficheskiĭ slovarʹ Turkmenskogo lazyka, 80 000 slov. Pod red. M. IA. Khamzaeva. Ashkhabad, Izd-vo Akad. nauk Turkmenskoĭ SSR, 1963. 1073 p.

AKHMAD, SAID. [Tulips in the river's reflection, stories. Translated from the Uzbek] Tiulʹpany na rechnoĭ gladi, rasskazy. Tashkent, Goslitizdat UzSSR, 1961 53 p. (Novye rasskazy)
(MH)

AKSENOVA, E. M. [For the good and the diverse; the creative individuality of the writer] Za khoroshikh i raznykh; o tvorcheskoĭ individualʹnosti pisatelia. [Vladimir] Vladimirskoe knizhnoe izd-vo, 1961. 118 p.
(NNC)

ALEKSIN, A. G. [A letter to you] Vam pisʹmo. Moskva, Znanie, 1962. 89 p. (Prochti, tovarishch)
(MH)

ALMATINSKAIA, A. V. [Oppression, a novel] Gnet, roman. Tashkent, Gos. izd-vo khudozh lit-ry UzSSR.
Vol. 3 [In the great battle] V bitve velikoĭ. 1962 1 v.
(NNC)

ALTAN"LY, A. [To thee, O Party, verse. Tebe, partiia; stikhi. Tashkent, Goslitizdat, UzSSR] 1962. 127 p. [In Tatar]
(MH)

ANDERSEN, HANS CHRISTIAN. [Thumbelina. Translated from the Danish] Diuimovochka. Moskva, Gos. izd-vo detskoĭ lit-ry, 1960 31 p. (Moi pervye knizhki)
(MiDW)

ANDRIIEVS'KYI, VIKTOR. [From the past] Z mynuloho. Vyd. 2. New York "Hoverlia," 1963.
(WaU)

ANTONOV, S. F. [In one night, stories] V odnu noch', rasskazy. Moskva, Znanie, 1963 95 p. (Prochti, tovarishch)
(MH)

ARDENS, N. N. [The creative career of L. N. Tolstoĭ] Tvorcheskiĭ putʹ L. N. Tolstogo. Moskva, Izd-vo Akad. nauk SSSR, 1962 676 p.
(CaAEU)

ARZHAK, NIKOLAI. [Hands. Man from the Moscow Institute of Scientific Profanation, stories] Ruki. Chelovek iz MINAPA rasskazy. Washington, [B. Filipoff] 1963. 38 p.

ASANOV, N. A. [Wind from the sea, a novel] Veter s moria, roman. [Moskva] Molodaia gvardiia, 1955 388 p.
(OU)

ASTAPENKOVA, T. S. [Diverse roads] Raznye dorogi. [Murmansk] Murmanskoe knizhnoe izd-vo, 1963. 54 p.
(MH)

BABAEV, KAKADZHAN. [Idioms in the Turkmen language. Idiomy v turkmenskom lazyke. Ashkhabad, Turkmenskiĭ gos. univ. im. A. M. Gorʹkogo,] 1962. 190 p. [In Turkmen]
(MH)

BABYSHKIN, OLEH. [Lesia Ukrainka's dramaturgy] Dramaturgiia Lesi Ukrainky. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoĭ lit-ry, 1963 404 p.
(NN)

BAIKABULOV, BARAT. [Samarkand lines. Samarkandskie stroki. Tashkent, Goslitizdat UzSSR] 1962. 46 p. [In Uzbek]
(MH)

BALODIS, ANDREJS. [Maturity, verse] Briedums, dzeja. Riga, Latvijas valsts izdevnieciba, 1963. 116 p. [In Latvian]

BARANOV, I. A. [How the shaman stole the sun] Kak shaman solntse ukral. IUzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1960. 53 p. illus.
(NhD)

BARSKII, L. M., comp. [Moldavian sho lated from the Moldavian] Moldavskaĭ Kishinev, Kartia moldovenieske, 196
(MH)

[THE BEAUTY OF THE EARTH; Tatar s lated from the Tatar] Krasa Zemli; s rasskazov. Kazan', Tatarskoe knizh 98 p.
(MH)

BEDNIAKOV, A. S., and A. S. MATIICHI sian language; a textbook for non-Rus schools] Russkiĭ lazyk, uchebnoe pos skikh pedagogicheskikh uchilishch. Iz Moskva, Gos. ucheb.-pedagog. izd-vo Pt. 1. [Vocabulary, phonetics, and Leksika, fonetika i morfologiia.
(NNC)

BELIAEV, A. R. [Collected works] Sobr [Moskva] Molodaia gvardiia.
Vol. 1. [Island of Lost Ships. Prof head] Ostrov Pogibshikh Kora professora Douelia. 1963. (P fantastika, puteshestviia.
(MH)

BELIAEV, A. R. [Man-amphibian, science fiction novels] Chelovek-amfibiia, nauchno-fantasticheskie romany. [Moskva] Molodaia gvardiia, 1961. 599 p.
(NNC)

BELIAEV, A. R. [The man who found his face, a fantastic novel] Chelovek, nashedshiĭ svoe litso, fantasticheskiĭ roman. [Tiumenʹ] Tiumenskoe knizhnoe izd-vo, 1959. 155 p.
(CoU)

BELIAEV, V. N. [Good evening, a tale and stories] Dobryĭ vecher, povestʹ i rasskazy. Leningrad, Sovetskiĭ pisatelʹ, 1963. 213 p.
(IaU)

BELOUSOV, V. N. [I do not speak about that; stories] IA ne o tom, rasskazy. [Briansk] Briianskiĭ rabochiĭ, 1963. 119 p.
(MH)

BELOZEROV, V. V. [Cold miles, verse] Studenye mili, stikhi. [Murmansk] Murmanskoe knizhnoe izd-vo, 1963 38 p.
(MH)

BLINOV, A. D. [I cannot remain alone, a tale] Ne mogu ostavatʹsia odin, povestʹ. Moskva, Sovetskaia Rossiia, 1963 76 p.
(MH)

BLINOV, I. IA. [Expressive word of a literature teacher] Vyrazitelʹnoe slovo uchitelia — slovesnika. Moskva, Uchpedgiz, 1963. 69 p.

BOL'SHAKOV, G., comp. [Proverbs of various peoples] Poslovitsy raznykh narodov. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1959 279 p.
(OCI)

BOL'SHAKOV, L. N. [Olia-Oliushka, a true story] Olia-Oliushka, povestʹ-byl'. [Moskva] Molodaia gvardiia, 1963. 42 p.
(MH)

BONDAR, V. T. [Sun over the clouds; verse] Sontse nad khmaramy; poezii. Kyiv, Derzhlitvydav 1963. 109 p.
(MH)

BORISOV, I. B. [Good luck, verse and poems. Translated from the Yiddish] Dobryĭ chas, stikhi i poemy. Moskva, Sovetskiĭ pisatelʹ, 1962. 150 p.
(MH)

BORNHOHE, EDUARD. [Stories and travel notes] Jutud ja reisikirjad. Tallinn, Eesti Riiklik, Kirjastus, 1962. 417 p. (His. Tecsed) [In Estonian]
(MH)

BORODICH, D. comp. [White Russian stories] Belorusskie rasskazy. [Moskva, Sovetskiĭ pisatelʹ, 1962] 595 p.
(MH)

BOTVINNIK, I. P. [The ringing ravine] Zveniashchaia padʹ. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1962. 49 p. (Bibliotechka dalʹnevostochnogo rasskaza)
(MH)

BOTVINNIK, SEMEN, ed. [Poetry day; Il'i Leonid Ageev, and others] Denʹ poezii; '

722-705 O - 64 - 2

BUSUIOK, AURELIU [Verse. Translated from the Moldavian] Stikhi Kishinev, Kartia moldovenieske, 1963 56 p
(MH)

[CARICATURES, PARODIES, EPIGRAMS] Sharzhi, parodii, epigramy [Kyiv, Radians'kyi pys'mennyk, 1960] 128 p.
(CoU)

CHEKHOV, A. P. Vishnevyi sad The cherry orchard Edited with notes and vocabulary by J M C Davidson. London, Bradda Books [c1962] 110 p. (Library of Russian classics)
(CLU)

CHENDEI, IVAN. [Campfires are not dying out; stories] Kostry ne gasnut, rasskazy. [Moskva] Molodaia gvardiia, 1962. 228 p.
(MH)

CHEREMISIN, B. P. [Faith, a tale] Vera, povest' Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1962. 66 p
(MH)

CHEREPAKHOVA, E. M. [There are no others] Chuzhikh net. Moskva, Znanie, 1963. 94 p. (Prochti, tovarishchi!)
(MH)

CHEREVYCHNYI, D. S. [Warm attitude] Dushevnyi pidkhid. Kyiv, Derzhlitvydav URSR, 1963. 60 p.
(MH)

CHERNYI-DIDENKO, IU., pseud. [Controlled areas, a tale] Kontrol'naia polosa, povest'. Kyiv, Derzhlitvydav, 1962. 197 p. [Author's real name: Viacheslav Lukich Didenko]
(MH)

CHIKOV, A. F. [Tomtitmouse, verse] Sinitsa, stikhi. Moskva, Sovetskii pisatel', 1962 59 p.
(MiU)

CHIRVA, F. E. [The way through the night, a novel] Put' cherez noch', roman Alma-Ata, [Kazgoslitizdat] 1963. 371 p.

CHORNOBRYVETS', IVANNA. [Stream of life, short stories] Z potoku zhyttia, noveli. Munich, 1963. 163 p
(CoU)

CHURKIN, A. D. [Verse, songs, and poems] Stikhi, pesni, poemy. [Leningrad] Lenizdat, 1963. 207 p
(MH)

CHURKIN, M. ed. [White Russian folk songs] Belaruskiia narodnyia pesni Minsk, Dziarzhaunae vydevetstva BSSR, 1959. 135 p.
(OCI)

[CLEAR DISTANCES, verse] IAsnye dali, stikhi. [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1962. 78 p.
(NIC)

CUSACK, DYMPHNA. [Hot summer in Berlin. Translated from the English] Zharkoe leto v Berline. Moskva, Goslitizdat, 1963. 103 p. (Roman-gazeta, 18(294))

CVIRKA, PETRAS. [Song, a story] Daina, apsakymas. Vilnius, Valstybine grozines literaturos leidykla, 1963. 26 p. [In Lithuanian]
(MH)

DALETSKII, P. L. [On the hills of Manchuria; a novel] Na sopkakh Man'chzhurii; roman. Leningrad, Sovetskii pisatel', 1962. 2 v.
(WU)

DAMDINOV, NIKOLAI. [The father's name, a poem. Translated from the Buryat] Imia ottsa; poema. Moskva, Sovetskii pisatel', 1962. 69 p.
(MH)

DEICH, A. I. [Poetic world of Heinrich Heine] Poeticheskii mir Genrikha Geine. Moskva, Goslitizdat, 1963. 444 p.

DEICH, A. I. [The rockcrusher] Lomikamen', Moskva, Gos. izd-vo detskoi lit-ry, 1962. 220 p.
(CaAEU)

DOKU ATIS. [Selected works] Izlase. Riga, Latvijas valsts izdevnieciba, 1963. 517 p. [In Latvian]

DOKUSOV, A. M. [N. V. Gogol's St Petersburg stories, a lecture] Peterburgskie povesti N. V. Gogolia, lektsiia Leningrad, Leningradskii gos. pedagog. in-t, 1962. 53 p
(MH)

DOSTOEVSKII, F. M. [Brothers Karamazov, a novel in four parts with an epilogue] Brat'ia Karamazovy, roman v chetyrekh chastiakh s epilogom. Moskva, Goslitizdat
Vol. 1 Pts. 1-2 1963 396 p
Vol. 2. Pts. 3-4 1963. 500 p.

DOVZHENKO, A. P. [Tale of the fiery years, a scenario] Povest' plamennykh let, kinostsenarii. Moskva, Iskusstvo, 1963 213 p. (Biblioteka kinodramaturgii)
(CaOTU)

DUDIN, M. A. [To general delivery, lyrics] Do vostrebovaniia, lirika. [Leningrad, Lenizdat, 1963] 250 p.
(NIC)

DUGINETS, A. M. [Difficult happiness, a tale] Trudnoe schast'e, povest'. Moskva, Sovetskaia Rossiia, 1963 100 p (Korotkie povesti i rasskazy)
(MH)

DZHAPARIDZE, R. A. [Soldier's widow. Translated from the Georgian] Vdova soldata, roman. Tbilisi, Izd-vo soiuza pisatelei Gruzii "Zaria Vostoka," 1958. 317 p.
(NNC)

DZIUBA, I. M. ["Ordinary man" or petit bourgeois? Literary criticism] "Zvychaina liudyna" chy mishchanyn? Literaturno-krytychni statti. Kyiv, Radianskyi pys'mennyk, 1959. 277 p.
(InU)

EFIMTSOV, T. I [Cloudburst, verse] Liven', stikhi Moskva, Sovetskaia Rossiia, 1963. 62 p.

EGLE, KARLIS. [Rudolfs Blaumanis in his contemporaries' memoirs] Rudolfs Blaumanis laika biedru atmiņas. Riga, Latvijas valsts izd-ba, 1962. 259 p. [In Latvian]
(MH)

EL'KIN, A. A. [Nightingale dawn, verse, poems] Solov'inyi rassvet; stikhi, poemy. [Tula] Tul'skoe knizhnoe izd-vo, 1962. 76 p.
(NIC)

ELOVSKIKH, V. I. [Anxious evenings, stories] Trevozhnye vechera, rasskazy. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1961. 105 p.
(KU)

ERKHOV, E. I. [Guests of the sun, verse] V gostiakh u solntsa, stikhi. [Tomsk] Tomskoe knizhnoe izd-vo, 1963 75 p
(MH)

EVSTIFEEV, N. A. [A polar spring] Poliarnaia vesna. Moskva, Sovetskii pisatel', 1962. 109 p.
(MH)

FADEEV, A. A. [Young Guards, a novel] Molodaia gvardiia, roman. [Moskva] Pravda, 1962. 583 p.
(MiU)

FAIKO, A. M. [Man with a portfolio; a play in 5 acts] Chelovek s portfelem, drama v 5 aktakh. Moskva, Soiuz sovetskikh pisatelei SSSR, 1954. 116 p.
(CaOTU)

FEDOROV, V. I. [Mars over Kozachiy Bor, tales] Mars nad Kozach'im Borom; povesti. Moskva, Molodaia gvardiia, 1963. 190 p.
(MH)

[FOR HIGH PRINCIPLES IN LITERATURE AND ART; according to materials from the foreign press] Za vysokuiu ideinost' v literature i iskusstve; po materialam, zarubezhnoi pechati. Moskva, Izd-vo inostr. lit-ry, 1963. 527 p.

[FRIENDSHIP HAS JOINED US FOREVER, essays] DRUZHBAI Z'IADNANY MY NAZAUZHDY; narysy. Minsk, Dziarzh. vyd-va BSSR, 1963. 386 p.
(NN)

GAETSKII, IU. A. [Toward the distant morning; a tale about Belinskii] K dalekomu utru, povest' o Belinskom, Moskva, Gos. izd-vo detskoi lit-ry, 1958. 364 p.
(MiDW)

GAIDAENKO, I. P., and I. I. RIADCHENKO. [Captain know no rest, a play] Kapitany ne znaiut pokoiu, drama. Kyiv, Derzhlitvydav, 1963. 73 p
(MH)

GAISAR'IAN, S. Z [Sayat-Nova, notes on the life and works of the great Armenian poet] Sayat-Nova, ocherki o zhizni i tvorchestve velikogo armianskogo [illegible] Moskva, Izd-vo "Znanie," 1963 31 p. (Novoe v zhizni, nauke, tekhnike. VI Seriia: Literatura i iskusstvo, no 17)

GALASZCZUK, BILL. [Articles, stories, and verse] Stat'i, razskazy i stikhi. Toronto, 1962. 131 p

GARIN, F. A. [Flowers on tanks, a tale] Tsvety na tankakh, povest'. Moskva, Sovetskaia Rossiia, 1963 307 p
(MH)

GAUSTOV, I. [Lilac torch] Sirenevyi fakel Sverdlovsk Knizhnoe izd-vo, 1962. 72 p.
(MH)

[GAY STORIES] Veselye rasskazy, sbornik Moskva, Gos. izd-vo detskoi lit-ry, 1962. 157 p. (Shkol'naia biblioteka dlia nerusskikh shkol)

GEKHT, S. G. [The heart's duties, stories] Dolgi serdtsa, rasskazy. Moskva, Sovetskii pisatel', 1963. 298 p.
(MH)

GEL'MOND, S. I. [Incandescence; verse from the Yiddish] Nakal, stikhi. Moskva, Sovetskii pisatel', 1963. 73 p

GEORGIEVSKAIA, S. M. [Silver word, tales. Translated from the English] Serebrianoe slovo, povesti. Tatarsk, Moskva, Sovetskii pisatel', 1962. 401 p.
(NIC)

GOGOL', N. V. [The inspector general, a comedy in five acts] Revizor, komediia v piati deistviiakh Moskva, Detgiz, 1963. 157 p illus. (Shkol'naia biblioteka)

GOLOSOVKER, IA., tr. [Lyric poets of ancient Hellas and Rome. Translated from the Greek and Latin] Poety-liriki drevnei Ellady i Rima. Moskva, Goslitizdat, 1963. 238 p.

GOLOVENKO, R. V. [The face of the earth, verse] Litso Zemli, stikhi. Kiev, "Molod'," 1961. 78 p
(NIC)

GOLOVIN, N. I. [Machines go forward] Mashiny idut vpered. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1962. 38 p. (Bibliotechka dal'nevostochnogo rasskaza)
(MH)

GOLOVKO, O. F. [Radio on a pine tree, verse] Radio na sosne; stikhi. [Tomsk] Tomskoe knizhnoe izd-vo, 1963. 69 p.
(MH)

GONCHAROV, I. A. [A common story, a novel] Obyknovennaia istoriia, roman. Moskva, Pravda, 1963 277 p.
(NjP)

GORBUNOVA, E. N. [Problems in the theory of realistic drama, the unity of dramatic action and character] Voprosy teorii realisticheskoi dramy, o edinstve dramaticheskogo deistviia i kharaktera. Moskva Sovetskii pisatel', 1963. 500 p

GORDIN, A. M. [Pushkin Memorial Preserve] Pushkinskii Zapovednik. Leningrad, Izd-vo "Iskusstvo," 1963. 302 p. illus.

GORELIK, L. G. [Pay attention; satire and humor] Obratite vnimanie; satira i iumor. [Stratov] Saratovskoe knizhnoe izd-vo, 1963. 62 p.
(MH)

GORGONIEV, IU. A. [Category of the verb in modern Khmer] Kategoriia glagola v sovremennom khmerskom iazyke. Moskva, Izd-vo vostochnoi lit-ry, 1963 120 p.

GORNO-ALTAYSK. Nauchno-issledovatel'skii institut istorii, iazyka i literatury. [Collection of articles on Altai literature. Sbornik statei po altaiskoi literature. Gorno-Altaisk, Gorno-Altaiskoe knizhnoe izd-vo] 1962. 213 p. [In Oirat]
(MH)

GRANDE, B. M. [Course in Arabic grammar from a comparative-historical perspective] Kurs arabskoi grammatiki v sravnitel'no-istoricheskom osveshchenii Moskva, Izd-vo vostochnoi lit-ry, 1963. 593 p.

GRIBOEDOV, A. S. [Woe from wit, a comedy in four acts in verse] Gore ot uma, komediia v chetyrekh deistviiakh v stikhakh Leningrad, Gos. izd-vo detskoi lit-ry, 1962. 167 p.
(NNC)

GROSSMAN, L. P. Dostoevskii. Moskva, Izd-vo TsK VLKSM "Molodaia gvardiia," 1962. 542 p. (Zhizn' zamechatel'nykh liudei. Seriia biografii, no 24(357))

GULIAM, KHAMID. [Torch, a novel. Translated from the Uzbek] Svetoch; roman. Tashkent, Goslitizdat UzSSR.
Vol 2. 1962.
(MH)

GUMMEL', P. N. [Permit me to introduce; feuilletons and fables] Razreshite predstavit', fel'etony [i] basni [Rostov-na-Donu, Rostovskoe knizhnoe izd-vo, 1962] 113 p. illus.
(MH)

GUREVICH, G. I. [On a transparent planet; science-fiction tales] Na prozrachnoi planete, nauchno-fantasticheskie povesti. Moskva, Geografizdat, 1963. 397 p. (Puteshestvii i priklIuchenii)

GURO, V. K. [Vera Chistiakova; a tale] Vera Chistiakova; povest'. [Smolensk] Smolenskoe knizhnoe izd-vo, 1962. 139 p.
(MH)

HAIDARIVS'KYI, VASYL'. [The world is so beautiful..., a story] A svit takyi harnyi .. opovidannia. Buenos Aires, Vyd-vo IU. Serednlaka, 1962. 238 p.
(CoU)

HALAN, ANATOL'. [Charming wife, stories] Charivna druzhyna; novell. Buenos Aires, 1957. 142 p.
(CoU)

HAŠEK, JAROSLAV. [Humorous sketches. Translated from the Czech] Umoreski. [Saratov] Saratovskoe knizhnoe izd-vo, 1960. 64 p.
(CoU)

HEINE, HEINRICH. [Collected works] Sobranie sochinenii. [Leningrad] Gos. izd. khudozh. lit-ry
Vol. 3. Romansero, Pozdnie poemy, i stikhotvoreniia. Romancero, Late poems, and poetry. 1957. 354 p.
(ND)

HERTZEN, A. I. [Collected works in 30 volumes] Sobranie sochinenii v tridtsati tomakh. Moskva, Izd-vo Akad. nauk SSSR
Vol 27. [Letters, 1860-1864] Pis'ma 1860-1864 godov.
Book 1. 1963. 405 p.

HIKMET, NAZIM. [Romance. Translated from the Turkish] Romantika. Moskva, Goslitizdat, 1963. 70 p. (Roman-gazeta, no. 19(295))

HREBINKA, IE. P. [Fables] Baiky. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962. 53 p.
(CaOTU)

IACHMENEVA, E. S. [Honey year; stories] Medovyi god; rasskazy. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963. 147 p.
(MH)

IAKOVLEVA, T. M. [The image of the poet; Pushkin in I. A. Novikov's historical novel] Obraz poeta; Pushkin v istoricheskom romane I. A. Novikova. Tbilisi, Izd-vo Soiuza pisatelei Gruzii, 1962. 131 p.
(NIC)

IBRAGIMOV, MIRZA. [Selected works. Izbrannye sochineniia. Baku. In Azerbaijani]
Vol. 2. 1954.
(MH)

IL'IASOV, IA. KH. [The path of anger, Sogdiana; tales] Tropa gneva, Sogdiana, povesti, 2, izd. Tashkent, Goslitizdat UzSSR, 1963. 451 p. [Cover title:Sogdiana]
(MH)

IL'IN, O. I. [Maiakovskii's heroic satire] Geroicheskaia satira Maiakovskogo. [Saratov] Saratovskoe knizhnoe izd-vo, 1962. 119 p.
(MH)

INIUL'SKYI, PETRO. [Echo, Fidelity, Behind the mountains, tales] Vidhomin, Virnist', V Zahir'i; povisti. Kyiv, Derzhlitvydav, 1963. 315 p.
(MH)

IROSHNIKOVA, I. [Fox brush, stories and sketches] Lisii khvost, rasskazy i ocherki. [Moskva] Moskovskii rabochii, 1961. 131 p.
(KU)

IUGOV, A. K. [The warriors, an epic in two books] Ratoborsty, epopeia v dvukh knigakh. Moskva, Sovetskii pisatel', 1962. 593 p.
(NN)

IVANOV, V. N. Val'ka. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1961. 45 p. (Bibliotechka Dal'nevostochnogo rasskaza)
(MH)

IZIUMSKII, B. V. [A sea for the bold, a novel] More dlia smelykh, roman. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1962. 254 p.
(MH)

KABAKOV, M. V. [The romantics] Romantiki [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1961. 94 p.
(KU)

KAMALOV, KHISAM. [Cherry mountain, verse. Translated from the Tatar] Vishnevaia gora, stikhi. Moskva, Sovetskii pisatel', 1963. 62 p.
(MH)

KAMIANSKII, V. K. [Stars do not fade, a tale] Zvezdy ne merknut; povest' [Kalinin] Kalininskoe knizhnoe izd-vo, 1962. 122 p. illus.
(WU)

KARAPYSH, B. T. [Today we aren't on parade, a tale] S'ohodni my ne na paradi; povist'. [Kyiv, Molod', 1963] 243 p.
(MH)

KARATAEV, G. G. [Clouds; selected verse] Oblaka, izbrannye stikhi. [Krasnoiarsk] Krasnoiarskoe knizhnoe izd-vo, 1963. 114 p.
(MH)

KARATEEV, M. D. [Karach-Murza; Tver' against Moscow, an historical novel of the time of the reign of Dmitrii Donskoi (14th century)] Karach-Murza, Tver' protiv Moskvy, istoricheskii roman epokhi kniazhenila Dmitriia Donskogo (XIX vek) Buenos Aires, 1962. 399 p. maps, tables.
(WaU)

KATKOV, N. I. [One step from greatness, humorous sketches, scenes, and satirical monologues] V odnom shage ot velikogo, iumoreski, stsenki, satiricheskie monologi. [Penza] Penzenskoe knizhnoe izd-vo, 1962. 61 p.
(MH)

KAVERIN, V. A. [Selected works] Izbrannoe. [Moskva] Moskovskii rabochii, 1963. 559 p.
(NN)

KEMPE, MIRDZA. [Fierce blaze] Skaudra liesma. Riga, Latvijas valsts izd-ba, 1961. 94 p. [In Latvian]
(MH)

KERBABAEV, B. M. [Nebit-Dag; a novel. Translated from the Turkmen] Nebit-Dag, roman. Moskva, Sovetskii pisatel', 1963. 462 p.
(MH)

KETLINSKAIA, V. K. [Courage; a novel] Muzhestvo; roman. [Smolensk] Smolenskoe knizhnoe izd-vo, 1962. 673 p.
(NNC)

KHAMAEV, TSYREN-DONDOK. [Good soul; stories. Dobraia dusha, rasskazy. Ulan-Ude, Buriatskoe knizhnoe izd-vo] 1962. 108 p. [In Buriat]
(MH)

KHAVRONINA, S. [Speak Russian] Govorite po russki. Moskva, Izd-vo lit-ry na inostr. iazykakh. 1961. 218 p. [Cover title: Russian as we speak it]
(OCIW)

KHAZANOVICH, IU. IA. [One's own name] Svoe imia. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 384 p.
(NIC)

KHOMENKO, NADIIA. [Happiness is nearby; a tale] Khodyt' shchastia nedalechko; povist'. Kyiv, Vyd-vo TsK LKSMU "Molod'," 1960. 283 p.
(WaU)

KHOR'KOV, P. [On behalf of a generation, a romantic tragedy] Ot imeni pokoleniia, romanticheskaia tragediia. [Minsk, Gosizdat BSSR, 1962] 127 p.
(MH)

KHUDAIKULOV, MUKHTAR. [Cliff and boulder; fables and satiric verse. Skala i glyba, basni i satiricheskie stikhi. Tashkent, Goslitizdat UzSSR,] 1962. 45 p. [In Uzbek]
(MH)

KHUSNI, FATYKH, pseud. [A boy, a bucket, a grandmother, stories. Translated from the Tatar] Mal'chik, vedro, babushka, rasskazy. Moskva, Sovetskaia Rossiia, 1962. 52 p. (Korotkie povesti i rasskazy)
(MH)

KHUZIEV, GALI. [Life is not given twice, verse and poems. Zhizn' daetsia ne dvazhdy, stikhi i poemy. Kazan', Tatknigoizdat] 1962. 174 p. [In Tatar]
(MH)

KIAULEIKIS, L. [Without a mask; feuilletons] Be kaukes, feljetonai. [Vilnius, Grozines literaturos leidykla, 1963]. 115 p. [In Lithuanian]

KIEV. NAUKOVO-DOSLIDNYI INSTYTUT PEDAGOGIKY [Methodology of teaching the Ukrainian language in secondary schools] Metodyka vykladannia ukraïns'koi movy v seredni shkoli. Za red. S. Kh. Chavdarova i V. I. Masal's'koho. Kyiv, Radians'ka shkola, 1962. 371 p.

KIEV. UNIVERSYTET. [Taras Shevchenko, on the centenary of his death] Taras Shevchenko; do 100-richchia z dnia smerti. [Kyiv] 1961. 237 p.
(CoU)

KIRSENTALE, INGRIDA. Ernests Efents-Klusais. Riga, Latvijas PSR Zinatnu akad., 1962. 171 p. [In Latvian]
(MH)

KLAUS, L. N. [They let the heart speak, verse] Serdtsu dali slovo, stikhi. Tashkent, Goslitizdat, UzSSR, 1962. 61 p. (Moia pervaia knizhka)
(MH)

KLIMENCHENKO, IU. D. [Unlowered flag] Nespushchennyi flag. Moskva, Morskoi transport, 1962. 168 p.
(MH)

KLIMOV, G. A. [Draft of a unified phonetic transcription for the Caucasian languages] O proekte edinoi foneticheskoi transkriptsii dlia kavkazskikh iazykov. Moskva, Akad. nauk SSSR, 1962. 29 p.
(MIU)

KLIPEL', V. I. [Fellow travelers, a tale] Poputchiki, povest'. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1963. 85 p.
(MH)

KOGINOV, IU. I., and E. V. IAKOVLEV. [Eighth day, a true story] Vos'moi den', dokumental'naia povest'. Moskva, Sovetskaia Rossiia, 1963. 110 p.
(MH)

KOLEVSKI, V. [The poem "All right!" by Maiakovskii] Poema Maiakovskogo "Khorosho!" Sofiia, Izd-vo Bolgarskoi Akad. nauk, 1958. 213 p.

KONFERENTSIIA PISATELEI CHECHENO-INGUSHETII. 2d, Groznyi, 1961. [Abridged verbatim report of the Second Conference of Chechen-Ingush Writers] Sokrashchennyi stenograficheskii otchet. [Groznyi] Checheno-Ingushskoe knizhnoe izd-vo, 1961. 196 p.
(MH)

KONFERENTSIIA PO MASHINNOMU PEREVODU, 1958. [Abstracts of the Conference on Machine Translation] Tezisy. Moskva, I-i Mosk. gos. pedagog. in-t inostr. iazykov, 1958. 117 p.

KONOVALOV, G. I. [The sources; a novel] Istoki; roman. Izd. 2., ispr. i dop. [Saratov] Saratovskoe knizhnoe izd-vo, 1961. 423 p.
(MH)

KORABLINOV, V. A. [Mysterious canopy of the woods] Lesov tainstvennaia sen'. [Voronezh] Voronezhskoe knizhnoe izd-vo, 1962. 280 p.
(NIC)

KORNILOV, B. P. [Verse and poems] Stikhotvoreniia i poemy. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 204 p.
(NIC)

GOGOL', NIKOLAI MIKHAILOVICH. [Here the rye bread smells ... Iz publichnykh besed (Smolensk)] Smolenskoe knizhnoe izd-vo, 1962. 103 p.
(MH)

GORSKAS, KOSTAS. [To the friendship of literatures] Tarybinės literatūros studijos, straipsniai, prancūzų, vokiečių, skandinavų literatūros bruožai. Vilnius, Valstybinė grožinės literatūros leidykla, 1962. 1 v. [In Lithuanian]
(MH)

GORELOV, I. N. [Russian folklore studies in Siberia during the 19th and the beginning of the 20th century] Russkaia fol'kloristika Sibiri XIX - nachala XX v. Tomsk, Izd-vo Tomskogo universiteta, 1962. 347 p.
(RPB)

GOSTILKOV, M. V. [Road toward the sun] Doroga k solntsu. Moskva, Sovetskaia Rossiia, 1963. 500 p.
(MH)

GOZLOVSKAIA, M. S. [Happiness right beside you, a tale] Schast'e riadom s toboi, povest'. Minsk, Gosizdat BSSR, 1964. 167 p.
(MH)

GRAFSKII, P. D., and V. A. LIVAEV. [Russian literature, a textbook for the 8th grade in non-Russian secondary schools] Russkaia literatura, uchebnik dlia VIII klassa natsional'noi srednei shkoly. Izd. 3, Moskva, Gos. uchebno-pedagog. izd-vo, 1961. 303 p.
(TsMH)

GRAKOVSKII, V. I. [The letters of Sasha Bunin, a tale] Pis'ma Sashi Bunina, povest'. [Vladimir] Vladimirskoe knizhnoe izd-vo, 1962. 140 p.
(UU)

GRASSOV, P. V. [From the two-headed eagle to the red banner, a novel in four volumes] Ot dvuglavogo orla k krasnomu znameni, roman v chetyrekh tomakh. New York, Vsesibirskoe izd-vo, 1960. 4 v.
(OCl)

GRIBAUSKAS, JONAS. [Don't be sad, little birch] Neliudek berzely. [Vilnius, Valstybine grozines literatūros leidykla, 1961] 216 p. [Publ. under his pseud. Jonas Aistis. In Lithuanian]

GUBENKO, VASYL'. [Love is difficult, a novel] Trudna liubov, roman. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962. 164 p.
(NN)

KULAGIN, V. A. [Supports, verse] Opory, stikhi. [Kalinin] Kalinskoe knizhnoe izd-vo, 1963. 63 p.
(MH)

KUPRIAKOV, N. I. [Look people in the eyes] Smotri liudiam v glaza. [Murmansk] Murmanskoe knizhnoe izd-vo, 1963. 46 p. (Biblioteka korotkogo rasskaza)
(MH)

KURIASHOU, F. I. [Mikhas' Lyn'kou, an account of his life and works] Mikhas' Lyn'kou, narys pra zhyshchitse i tvorchasts'. Minsk, Dziarzh. vyd-va BSSR, 1961. 240 p.
(InU)

KULYK, P. M., and O. M. MASIUKEVYCH. [Collection of exercises on style for secondary schools, teachers' aid] Zbirnyk vprav z stylistyky dlia seredn'oi shkoly, posibnyk dlia vchyteliv. Vyd. 2., vypravlene i dop. Kyiv, Radians'ka shkola, 1963. 330 p.

KUNDZIŅŠ, FARLIS. [Outline history of the Latvian theater] Latvijskij teatr, ocherk istorii. Pod obshchei red. Georga Goiana. Moskva, Iskusstvo, 1963. 229 p.

KURBANSAKHATOV, MUKHAMMED. [Works of Rakhmet Seidov] Tvorchestvo Rakhmeta Seidova. Red. M. I. Bogdanova i T. Durdyev. Ashkhabad, Izd-vo Akad. nauk TSSR, 1963. 146 p. [In Turkmen]

KURZENKOV, S. G. [Special assignment, stories about fliers] Osobое zadanie, rasskazy o letchikakh. Moskva, Izd-vo "Sovetskaia Rossiia," 1963. 119 p.

KUSHCHANOV, MATIAKUB. [Life and mastery] Zhizn' i masterstvo. Tashkent, Goslitizdat UzSSR, 1962. 200 p. [In Uzbek]
(MH)

KUSTOV, P. P. [The White Sea region, a book of verse] Belomor'e, kniga stikhov. Moskva, Sovetskii pisatel', 1963. 150 p.
(MH)

KVIATKOVSKII, E. V. [Literature of the motherland, manual and anthology for classes 7 and 8 in evening schools] Rodnaia literatura, uchebnik-khrestomatiia dlia 7-8 klassov vechernikh (smennykh) shkol. Izd. 2. Moskva, Gos. uchebno-pedagog. izd-vo, 1962. 332 p.
(CaAEU)

KVIN, L. I. [The city does not sleep, a novel] Gorod ne spit, roman. Barnaul, Altaiskoe knizhnoe izd-vo, 1963. 522 p.
(MH)

JANSONS, ALBERTS. [Prophet of Epicurus] Epikura pravietis. 2 izd. [Riga, Latvijas valsts izdevnieciba, 1962] 136 p. [In Latvian]
(MH)

JÓKAI, MÓR. [Sons of a man with a stony heart, a novel. Translated from the Hungarian] Synov'ia cheloveka s kamennym serdtsem, roman. Ashkhabad, Turkmenskoe gos. izd-vo, 1961. 617 p.
(NNC)

JUOZENAS, L. [The first sin, feuilletons] Pirmoji nuodeme, feljetonai. [Vilnius, Valstybine grozines literatūros leidykla, 1963.] 98 p. [In Lithuanian]

LARIOKHINA, N. M., ed. [Stories of Soviet writers, Russian language chrestomathy for foreigners] Rasskazy sovetskikh pisatelei, khrestomatiia po russkomu iazyku dlia inostrantsev. [Moskva] Izd-vo Mosk. un-ta, 1963. 140 p.

LASMANIS, IMANTS. [Roads cross the horizon, verse] Celi skersо horizontu; dzeja. Riga, Latvijas valsts izdevnieciba, 1962. 69 p. (Jauno vards) [In Latvian]

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINĀTNU AKADEMIJA. Valodas un literaturas instituts. [History of Latvian literature in six volumes] Latviesu literaturas vesture sesos sejumos. Riga, Latvijas PSR Zinatnu akad. Izdevnieciba. [In Latvian]
Vol. 1. [Latvian folklore. Literature up to the middle of the 19th century] Latviesu folklora, Literatura lidz 19. gs. vidum. 1959. 642 p.

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINĀTNU AKADEMIJA. Valodas un literaturas instituts. [Spelling and pronunciation of foreign names in the Latvian literary language] Noradijumi par citvalodu ipasvardu pareizrakstibu un pareizrunu latviesu literaraja valoda. Riga, Latvijas PSR Zinatnu akademijas izdevnieciba. [In Latvian]
Vol. 9. Ceplitis, L., comp. [French names] Francu valodas ipasvardi. 1963. 96 p.
Vol. 10. Rage, S. [Finnish names] Somu valodas ipasvardi. 1963. 52 p.

LAVRETSKII, A., pseud. [Aesthetic views of Russian writers] Esteticheskie vzgliady russkikh pisatelei, sbornik statei. Moskva, Goslitizdat, 1963. 301 p. [Author's real name I. M. Lavretskii]

LAVRISHCHEV, T. T. [Joy comes again, stories] Radost' prikhodit snova, rasskazy. Krasnoiarsk, [Krasnoiarskoe knizhnoe izd-vo] 1963. 172 p.
(MH)

LAZAROVÁ, K. [Hornets' nest, a novel. Translated from the Slovak] Osinoe gnezdo, roman. Moskva, Izd-vo inostrannoi lit-ry, 1956. 494 p.
(MiDW)

LAZHECHNIKOV, I. I. [Works in two volumes] Sochineniia v dvukh tomakh. Moskva, Goslitizdat, 1963. 2 v.

LE, IVAN, pseud. [History of joy, a novel. Youth's right, a tale. Stories] Istoriia radosti, roman. Pravo molodosti, povest'. Rasskazy. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 573 p. [Author's real name I. L. Molsia]
(NN)

LEBEDENKO, A. G. [The first "Ministerskaia" School. Face to face] Pervaia Ministerskaia. Litsom k litsu. Moskva, Goslitizdat, 1963. 837 p.

LEBEDEV, V. A. Kryl'ia Burevestnika. Moskva, Molodaia gvardiia, 1963. 414 p.
(MH)

LEM, STANISLAW. [Limfater's formula. Translated from the Polish] Formula limfatera. Moskva, Izd-vo "Znanie," 1963. 71 p.

LENINGRAD. UNIVERSITET. [From the history of words and dictionaries; studies on lexicology and lexicography] Iz istorii slov i slovarei, ocherki po leksikologii i leksikografii. [Leningrad] 1963. 182 p.

LERMONTOV, M. IU. [Verse. A tale. Ashik-Kerib] Stikhi. Skazka. Ashik-Kerib. Moskva, Gos. izd. detskoi lit-ry M-va prosv. RSFSR, 1959. 64 p. (Shkol'naia biblioteka)
(JCarbS)

LERMONTOV, M. IU. [Verse, poems] Stikhotvoreniia i poemy. Moskva, Detgiz, 1963. 251 p. (Shkol'naia biblioteka dlia nerusskikh shkol)

LEVITSKII, L. A. [Konstantin Paustovskii; an analysis of his works] Konstantin Paustovskii, ocherk tvorchestva. Moskva, Sovetskii pisatel', 1963. 105 p.

[LIBRARY OF THE WORKS OF SOVIET WRITERS FOR FIVE VOLUMES, supplement to the periodical "Rasskazy molodezhi"] Biblioteka proizvedenii sovetskikh pisatelei v 5 tomakh, prilozhenie k zhurnalu "Rasskazy molodezhi." Moskva, Molodaia gvardiia.
Vol. 2. Shevtsov, I. M. [The world is not without good people, a novel] Svet ne bez dobrykh liudei, roman. 1963. 452 p.

LIDIN, V. G. [Patter of rain, stories] Shum dozhdia, rasskazy. Moskva, "Sovetskaia Rossiia," 1963. 324 p. (Kratkie povesti i rasskazy)
(CtY)

[LITERARY LEGACY] Literaturnoe nasledstvo. Otv. redaktor I. I. Anisimov. Moskva, Izd-vo Akademii nauk SSSR.
Vol. 70. [Gor'kii and Soviet writers, unpublished correspondence] Gor'kii i sovetskie pisateli, neizdannaia perepiska. 1963. 744 p.

[LITERARY MOSCOW, a literary collection of Moscow writers] Literaturnaia Moskva, literaturnyi sbornik Moskovskikh pisatelei. Pod red. M. I. Aligera i dr. Moskva, Goslitizdat.
No. 2. 1956. 795 p.

[LIVING FLAME, verse] Zhivoe plamia, stikhi. [Lipetsk] Lipetskoe knizhnoe izd-vo, 1963. 63 p.
(MH)

LIVS, EGONS. [Men of the high seas, short stories and essays] Selgas viri, stasti un telojumi. Riga, Latvijas valsts izdevnieciba, 1962. 95 p. [In Latvian]

LOBANOV, M. P. [Heart of the writer, a word about literature] Serdtse pisatelia; slovo o literature. Moskva, "Sovetskaia Rossiia," 1963. 240 p. (Literaturnaia Rossiia)
(NIC)

LOKTIUKHOV, M. G. [End of a career, humorous stories] Konets kar'ery, iumoristicheskie rasskazy. Moskva, Sovetskaia Rossiia, 1962. 101 p. (Korotkie povesti i rasskazy)
(MH)

LOSKUTOV, M. P. [Tracks in the sand, selected works] Sledy na peske, izbrannye proizvedeniia. Moskva, Sovetskii pisatel', 1959. 414 p.
(IEN)

LUTSIV, LUKA. [Markian Shashkevych, a biographical characteristics of his work with a supplement containing all the original works of the poet] Markiian Shashkevych; biohrafiia i kharakterystyka tvorchosty z dodatkom usikh oryginal'nykh tvoriv poeta. New York, Svoboda, 1963. 116 p.
(CaOTU)

LVOV. UNIVERSYTET. [Ivan Franko; articles and materials] Ivan Franko, statti i materialy. [Lviv] 1960.
Vol. 7-8.

LYTVYNETS', M. I. [Other people's weddings, a novel in verse] Chuzhe vesillia, roman u virshakh. Kyiv, Molod', 1963. 140 p.
(MH)

[MACEDONIAN-RUSSIAN DICTIONARY. 30,000 words] Makedonsko-russkii slovar', 30 000 slov. Sost. D. Tolovskii i V. M. Illich-Svitych pod red. N. I. Tolstogo. S prilozheniem kratkogo grammaticheskogo spravochnika, sostavlennogo V. M. Illich-Svitychem. Moskva, Gos. izd-vo inostr. i natsional'nykh slovarei, 1963. 576 p.

MADASON, I. N., comp. [Proverbs and sayings of the Buryat people. Poslovitsy i pogovorki buriatskogo naroda. Ulan-Ude, Buriatskoe knizhnoe izd-vo] 1957. 401 p. [In Buryat]
(MH)

MAILIN, BEIMBET. [Collected works. Sobranie sochinenii] Alma-Ata, Kazgoslitizdat. In Kazakh]
Vols. 1-3. 1960-
(MH)

MAKHMUDOV, SHAMIL'. [Sun on the road, verse Translated from the Tatar] Solntse na doroge, stikhi. Moskva, Sovetskii pisatel', 1962. 82 p.
(MH)

MAKSIMOV, V. I. [Little Anna, verse] Annushka; stikhi. [Penza] Penzenskoe knizhnoe izd-vo, 1962. 20 p.
(MH)

MAKULU, ABBAS PANAKHI. [Sattar Khan, a novel. Translated from the Azerbaijani] Sattar-Khan, roman. Redaktsiia i primechaniia L. Klimovicha Moskva, Sovetskii pisatel', 1963. 2 v.
(NNC)

MALENOV, B. [Influence of oral folk compositions on professional poetry. O vliianii ustnogo narodnogo tvorchestva na professional'nuiu poeziiu. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR,] 1960 182 p. [In Kirgiz]
(MH)

MALYSHKO, ANDRII. [Works in five volumes] Tvory v p'iaty tomakh. Kyiv, Derzh. vyd-vo khudozh. lit-ry.
Vol 1-4 1962-63.
(NN) (NNC)

MANOLOVA, V. P. [Transformations of syntagmas of the Russian language of the type S + S, S + P + S, V + S, V + P + S] Transformatsii sintagm russkogo iazyka tipa S + S, S + P + S, V + S, V + P + S. Moskva, Institut tochnoi mekhaniki i vychislitel'noi tekhniki Akad. nauk SSSR, 1962. 51 p. (Elektronnye vychislitel'nye mashiny) [With summary in English]
(MH)

MARIAMOV, A. M. [Called by the revolution, Vsevolod Vishnevskii, his era and his work] Revoliutsiei prizvannyi, o Vsevolode Vyshnevskom, ego vremeni i ego tvorchestve. Moskva, "Iskusstvo," 1963. 350 p.
(CUY)

MARINSKII, V. D. [You are listening, O Earth, verse] Ty slyshish', Zemlia; stikhi. Stavropol', Knizhnoe izd-vo, 1962. 131 p.
(MH)

MARKHASEV, L. S. [Leading role] Glavnaia rol'. [Leningrad] Lenizdat, 1962. 92 p. (Nashi sovremenniki)
(NIC)

MARKOV, A. IA. [Ermak; poems] Ermak; poemy. Moskva, Sovetskii pisatel', 1962. 102 p.
(CaAEU)

MATSAKOV, I. M. [Aksen Susecv; an account of his life and works] Aksen Suscev; kritiko-biograficheskii ocherk. Elista, Kalmytskoe gos. izd-vo, 1962. 41 p.
(MH)

MATUSHEVS'KYI, IU. [A war of mushrooms and beetles] Vilna hrybiv z zhukamy. New York, Knyhospilka, 1959. 7 p.
(OCI)

MAZURKEVYCH, O. R., and M. A. IAKYMENKO. [The study of P. A. Hrabove'kyi's works in schools] Vyvchennia tvorchosti P. A. Hrabova'koho v shkoli. 2. vyd., pererer. Kyiv, "Radians'ka shkola," 1962. 157 p. illus.
(NN)

MEFIKOVICH, A. A. [Belokamenka dawns; verse] Belokamenskie rassvety; stikhi. [Murmansk] Murmanskoe knizhnoe izd-vo, 1963. 61 p.
(MH)

MEL'NIKOV, I. I. [Campfires on thawed patches] Kostry na protalinakh. Moskva, Voenoe izd-vo M-va oborony Soiuza SSR, 1961. 93 p.
(KU)

MERAS, I. [The earth is always alive, short stories] Zeme visada gyva; noveles. Vilnius, Valstybine grozinos literaturos leidykla, 1963. 146 p. [In Lithuanian]

MIACHIN, IU. I. [The magician retires; a tale] Koldun ukhodit na pensiiu, povest'. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 53 p.
(MH)

MIAKHAI, RYHOR. [My great and quiet ocean] Vialiki mol i tsikhi akian. Minsk, Dziarzh. vyd-va BSSR, 1954. 141 p.
(NN)

MIEZELAITIS, EDUARDAS. [Self-portrait, Aerial sketches. Two books] Autoportretas, Avinesklzai Dvi knygos. Vilnius [Grozines literatuos leidyklа] 1962 294 p. [In Lithuanian]
(MH)

MIKHAILOV, V. D. [Special necessity] Osobaia neobkhodimost'. Riga, Latviiskoe gos. izd-vo, 1963.
257 p
(MH)

MIKHEEVA, E. V. [Kolycheva spring] Kolychevskaia vesna [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1961. 97 p.
(MH)

MIN, E. M. [Short stories] Korotkie rasskazy. [Leningrad] Lenizdat, 1963. 100 p.
(MH)

MINIAILO, V. O. [Sky-blue dream, humorous tales and stories] Blakytna mrilia, humorystychni povisti ta opovidannia. Kyiv, Derzhlitvydav, 1963. 347 p.
(MH)

MITSKEVICH, K. M. [Collected works] Zbor tvorau. Red. kolegiia: V. Barisenka i dr. Minsk, Dziarzh. vyd-va BSSR. [Publ. under his pseud. IAkub Kolas]
Vols. 1-6. 1961-1962
(NNC)

MITSKEVICH, K. M. [Verse] Stikhotvoreniia [Moskva, Gos. izd-vo khudozh. lit-ry, 1962] 479 p [Publ. under his pseud. Kolas IAkub]
(NNC)

MKRTCHIAN, L. M. [Avetik Isaakian and Russian literature] Avetik Isaakian i russkaia literatura. Erevan, Armianskoe gos. izd-vo, 1963 242 p.

MOKRIIEV, IU. O. [Sava and his glory, a satiric comedy] Sava i joho slava, satyrychna komediia. Kyiv, Derzhlitvydav, 1963. 89 p.
(MH)

MONASTYREV, V. A. [Northeaster, stories and tales] Nord-Ost, rasskazy i povesti. [Moskva] Molodaia gvardiia, 1963. 206 p
(MH)

[MORNINGS OF A NIGHTINGALE, lyrics] Ranky solov'ini, liryka. Kyiv, Derzhlitvydav, 1962. 191 p.
(MH)

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Otdel spravochno-bibliograficheskoi i informatsionnoi raboty. [Bibliography of bibliographies on linguistics, annotated classified bibliography of Soviet publications] Bibliografiia bibliografii po iazykoznaniiu, annotirovannyi sistematicheskii ukazatel' otechestvennykh izdanii. Moskva, 1963. 411 p.

MOZHAIKO, F. K. [Ordinary fellow, stories] Obyknovennyi paren'; rasskazy. [Cheliabinsk] Chelinbinskoe knizhnoe izd-vo, 1963. 94 p.
(MH)

MUKANOV, SABIT. [Baluan-Sholak, a tale. Translated from the Kazakh] Baluan-Sholak, povest'. Moskva, Sovetskii pisatel', 1962. 187 p.

MURADIAN, V. A. [Heroes do not die, a true story] Geroi ne umiraiut, dokumental'naia povest''. Frunze, Kirgizizgosizdat, 1962. 156 p illus.
(MH)

[MY FRIENDS, verse] Moi druz'ia, stikhi. [Tomsk] Tomskoe knizhnoe izd-vo, 1963. 69 p.
(MH)

NAPOL'NOVA, T. V. [Studying the spelling of verbs in eight-year schools] Izuchenie pravopisaniia glagola v vos'miletnei shkole. Moskva, Izd-vo pedagog. nauk RSFSR, 1963. 108 p. (Pedagogicheskaia biblioteka uchitelia)

NEFEDOV, P. P. [Lyric diary; verse] Liricheskii dnevnik, stikhi. [Magadan] Magadanskoe knizhnoe izd-vo, 1962. 95 p.
(NIC)

NIKIFOROV, A. M. [Swan lake; verse and poems] Lebiazh'e ozero; stikhi i poemy. [Moskva] Moskovskii rabochii, 1963. 114 p.
(NIC)

NIKITIN, P. A. [Blue cowwheat] Ognetsvety. [Moskva] Moskovskii rabochii, 1962 111 p
(NIC)

NIKOLAEVA, GALINA. [Man is not without his miracles, stories and a tale] V cheloveke ne bez chuda, rasskazy i povest'. Moskva, "Sovetskaia Rossiia," 1963
214 p
(NN)

NIKOL'SKII, V. A. [Teaching of literature in secondary schools, teacher's aid] Prepodavanie literatury v srednei shkole, posobie dlia uchitelia. Izd 2, dop Moskva, Uchpedgiz, 1963 289 p

NILIN, P. F. [Through the cemetery; a tale] Cherez kladbishche, povest'. Moskva, Sovetskii pisatel', 1962. 187 p.
(MH)

NOVIKOV-PRIBOI, A. S [People and the sea, selected works] Liudi i more, izbrannoe Moskva, Voenizdat, 1963 707 p

NOVOKSHENOV, N. S. [First snow, verse] Pervoputok, stikhi. [Dnepropetrovsk] Dnepropetrovskoe knizhnoe izd-vo, 1963 51 p
(MH)

NURMAKHANOV, KALZHAN. [Traditional friendship Traditsionnaia druzhba Alma-Ata, Kazgoslitizdat] 1962. 158 p. [In Kazakh]
(MH)

ORLOV, S. S. [Without a song a man is gloomy] Cheloveku kholodno bez pesni. [Vologda] Vologodskoe knizhnoe izd-vo, 1962 182 p
(KU)

[OUR COMRADES] O nashikh tovarishchakh. [Voronezh] Voronezhskoe knizhnoe izd-vo, 1962 79 p.
(MH)

PARKER, DOROTHY. [Black and white, stories Translated from the English] Chernoe i belое, rasskazy Moskva, Izd-vo "Pravda," 1963. 47 p. (Biblioteka "Ogonek," no 42)

PASHKOV, IU. V. [Bridge of seven flowers] Semitsvetnyi most. [Smolensk] Smolenskoe knizhnoe izd-vo, 1962. 124 p.
(NIC)

PASSEK, T. P. [From years of long ago, reminiscences] Iz dal'nikh let; vospominaniia. [Moskva] Goslitizdat, (Seriia literaturnykh memuarov)
Vols. 1-2. 1963.

PERMIAK, E. A. [Tales] Skazki. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1962 231 p
(MH)

PERVOMAIS'KYI, L. S. [Instead of verse about love] Zamist' virshiv pro kokhannia. Kyiv, Derzh vyd-vo khudozh lit-ry, 1962. 465 p.
(CaOTU)

[PHANTASTIC STORIES OF 1962] Fantastika, 1962 god [Sost K. Andreev. Moskva] Molodaia gvardiia, 1962. 479 p
(NNC)

PILIAR, IU. E. [People remain people, a novel] Liudi ostaiutsia liud'mi, roman. Moskva, Molodaia gvardiia, 1963. 333 p
(MH)

PINCHUK, S. P. [Vasyl' Kozachenko, a literary criticism of his work] Vasyl' Kozachenko; literaturnokrytychnyi narys. Kyiv, Radians'kyi pys'mennyk, 1963. 109, [5] p
(CaOTU)

PIRUMOVA, N. I. [Aleksandr Hertzen, his life and work] Aleksandr Hertsen, zhizn' i delatel'nost'. Moskva, Gos. uchebno-pedagog. izd-vo, 1962 103 p.
(CaAEU)

POLDNEVA, A. A. [Torches, plays] Fakely, p'esy. Syktyvkar, Komi knizhnoe izd-vo, 1963 91 p.
(MH)

POLEVOI, B. N. [On the wild shore, a novel] Na dikom brege, roman. Moskva, Sovetskii pisatel', 1963.
611 p.
(MH)

POLIAKOV, N. V. [Natasha, verse] Natasha; stikhi. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 116 p.
(MH)

POMERANTSEV, V M [Werewolf, a tale] Oborotni, povest' Moskva, Znanie, 1963 78 p (Prochti, tovarishch!)
(MH)

POMERANTSEVA, E V, and S I MINTS, comps [Russian folk poetry, an anthology] Russkoe narodnoe poeticheskoe tvorchestvo, khrestomatiia i Uchebnoe posobie dlia vuzov Izd 2, ispr i dop Moskva, Gos uchebno-pedagog izd-vo, 1963 575 p
(NIC)

POLUPUDNEV, V M [By the Pontus Euxinus, a historical novel in two volumes] U ponta Evksinskogo, istoricheskii roman v dvukh tomakh Moskva, Sovetskii pisatel', 1961-1962 2 v
(NNC)

POPOV, V F [Steel and slag Steel began to bubble] Stal' i shlak Zakipela stal' Moskva, Izd-vo "Sovetskaia Rossiia," 1962 825 p
(NNC)

[PORTUGUESE-RUSSIAN SCHOOL DICTIONARY, 5,600 words] Portugal'sko-russkii uchebnyi slovar', 5600 slov Sost S M Starets, i N IA Volnova Pod red A Terres S prilozheniem morfologicheskikh tablits russkogo iazyka, sost A A ZaliznIakom Moskva, Gos izd-vo inostr i natsional'nykh slovarei, 1963 605 p
[MICROFILM]

POZDNEEV, A A [Letter without stamps, a story] Pis'mo bez marki, rasskaz Moskva, Voennoe izd-vo M-va oborony SSSR, 1960 39 p (Biblioteka soldata i matrosa)

POZOISKII, S I [Lev Tolstoi and the church] Lev Tolstoi i tserkov' [Tula] Tul'skoe knizhnoe izd-vo, 1963 89 p

PREIIS, EDGARS [People on two banks, short stories] Divu krastu laudis, stasti Riga, Latvijas valsts izdevnieciba, 1962 104 p [In Latvian]

PRIVAL'SKII, V. M. [We grew up in fiery times] Vyrosli my v plameni Moskva, Znanie, 1963 79 p. (Prochti, tovarishch')
(MH)

PROKOF'EV, A.A., and R.I FAINBERG, eds. [White Russian poets of the 19th and beginning of the 20th century] Belorusskie poety XIX-nachala XX veka, Moskva, Sovetskii pisatel', 1963. 461 p. (Biblioteka poeta. Bol'shaia serila. 2. Izd.)

PRONIAKIN, IU F. [We are cadets, Sergei, a tale] My kursanty, Sergei! Povest' Moskva, Voenizdat, 1963. 153 p

PRUT, I L [Plays] P'esy. Moskva, Sovetskii pisatel', 1963. 285 p
(MH)

PUSHKIN, A.S. Boris Godunov. [Moskva, Detgiz, 1960] 189 p illus (Shkol'naia biblioteka)
(NjP)

PUSHKIN, A.S. [On literature] O literature. Moskva, Gos. izd-vo khudozh lit-ry, 1962 589 p
(CaAEU)

PUSHKIN, A.S. [Tale about a priest and his worker Balda] Skazka o pope i o rabotnike ego Balde. Moskva, Izd-vo "Sovetskaia Rossiia," 1959. 13 p. illus.
(MWelC)

RABINOWITZ, SHALOM. [History for children. Translated from the Yiddish] Istorita dlia detei. Moskva, Gos. izd-vo detskoi lit-ry, 1956. 174 p. (Shkol'naia biblioteka) [Author's pseud Sholom Aleikhem]
(NcD)

RABINOWITZ, SHALOM [Wandering stars. Translated from the Yiddish] Bluzhdaiushchie zvezdy. Stalinabad, Tadzhikgosizdat, 1961 577 p [Published under his pseud. Sholom Aleikhem]
(NNC)

RADZHABI, TULKUN. [Types, satiric verse. Tipy, satiricheskie stikhi. Tashkent, Goslitizdat UzSSR] 1962 14 p. [In Uzbek]
(MH)

RASHIDOV, SHARAF. [Stronger than a storm, a novel. Translated from the Uzbek] Sil'nee burl, roman. Moskva, Gos. izd-vo khudozh. lit-ry, 1961. 300 p.
(NjP)

[READER AND DECLAIMER, stories and verse by Donets writers] Chets-deklamator; rasskazy i stikhi donetskikh pisatelei Stalino, Knizhnoe izd-vo, 1961. 187 p
(NNC)

RECHIN, BORIS [Choice of destiny; tales] Vybor sud'by; povesti. Stavropol', Knizhnoe izd-vo, 1962 186 p.
(NIC)

REDIN, E I. [Princess frog, a Russian fairy tale] TSarevna-liagushka, russkaia skazka Moskva, Gos izd-vo detskoi lit-ry, 1958. 46 p. illus
(IU)

RINK, IGOR'. [Second reconnaissance, verse, poems] Vtoraia razvedka; stikhi, poemy. Moskva, Sovetskii pisatel', 1962 78 p
(MiU)

RISS, O. V. [Scouts of the printed word, on accuracy in publishing and the struggle with errors] Dozornye pechatnogo slova, o tochnosti izdaniia i bor'be s oshibkami Moskva, Izd-vo "Iskusstvo," 1963. 157 p.

ROMANOV, N.R. [Chuvash proverbs, sayings, and riddles] Chuvashkie poslovitsy, pogovorki i zagadki. Cheboksary, Chuvashskoe izd-vo, 1960. 358 p. [In Chuvash and Russian]
(MH)

ROSHKA, V. [Ode to enthusiasm.] Oda entuziazmu. Kishinev, Kartia moldovenlaske. 1962. 77 p.
(MH)

ROZITIS, PAVILS. [Works] Raksti. Riga, Latvijas valsts izd-ba, 1961-62 5 v [In Latvian]
(MH)

RUBTSOV, A. B. [History of Russian drama at the end of the 19th and the beginning of the 20th century] Iz istorii russkoi dramaturgii, kontsa XIX-nachala XX veka. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR. Pt 2, 1962.
(NN)

RUDNEV, D. M. Johannes Lauristin. Tallinn, Eesti Riiklik Kirjastus, 1962. 348 p. illus [In Estonian]
(MH)

[RUNNING START, verse by young poets] Razbeg; stikhi molodykh poetov. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1962. 86 p.
(MH)

RUSSIA (1923- U.S.S.R.) Uchebno-metodicheskoe upravlenie po vuzam. [Russian language for foreign students, methodological articles on the use of audio-visual aids in teaching the Russian language to foreign students] Russkii iazyk dlia studentov-inostrantsev, sbornik metodicheskikh statei po ispol'zovaniiu tekhnicheskikh sredstv pri obuchenii russkomu iazyku studentov-inostrantsev. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 223 p.

[RUSSIAN PROVERBS AND SAYINGS] Russkie poslovitsi i pogovorki. [Leningrad] Lenizdat, 1956. 422 p.

SAFAROV, NAZIR. [Golden moon, stories. Translated from the Uzbek] Zolotoi mesiats, rasskazy. Tashkent, Goslitizdat UzSSR, 1961. 44 p. (Novye rasskazy)
(MH)

SAVEL'EV, V.S. [Golden horn] Zolotaia pora. [Saratov] Saratovskoe knizhnoe izd-vo, 1963. 67 p.
(MH)

SAVITSKII, V. I. [The field of battle; verse] Pole boia, stikhi. Moskva, Voen. izd-vo M-va oborony SSSR, 1963. 51 p.
(NN)

SAVYTS'KA, IVANNA. [Three fairy tales] Try kazochky. New York, Woodside Litho and Printing Corp., 1961. 16 p.
(OCI)

SAZHIN, P.A. [Lilac; a novel] Siren'; roman. Moskva, Sovetskii pisatel', 1962. 270 p.
(MH)

SEDOV, I.P. [Beard in capron; humorous stories] Boroda v kaprone, iumoristicheskie rasskazy. [Penza] Penzenskoe knizhnoe izd-vo, 1962. 98 p.
(MH)

SEITAKOV, BEKI. [Living tribute, a tale. Translated from the Turkmen] Zhivaia dan', povest'. Ashkhabad, Turkmenskoe gos. izd-vo, 1962. 150 p
(NNC)

SEMENOV, A. I [Pink ermine; northern stories] Rozovyi gornostai, severnye rasskazy. Moskva, Znanie, 1963. 93 p. (Prochti, tovarishch!)
(MH)

SEMPER, JOHANNES. [Works] Teosed. Tallinn, Eesti Riiklik Kirjastus. [In Estonian]
Vol. 2. [Step by step, a novel] Kivi kivi pealt, roman. 1963. 317 p.

SERGIEVICH, D. G. [We serve the motherland, stories] My sluzhim Rodine; rasskazy. Moskva, [Voen izd-vo] 1962. 253 p.
(NNC)

SERGO, HERMAN. [Ripples and surges, tales and sketches] Pinnavirvendus ja pohjalainet, jutud ja olukirjeldusi. Tallinn, Eesti Riiklik Kirjastus, 1962. 245 p. illus. [In Estonian]
(MH)

SEVERNYI, PAVEL. [Manchurian taiga hustlers, a tale] Shumit taiga Man'chzhurii, povest'. Moskva, Gos. izd-vo detskoi lit-ry, 1960. 174 p. (Dlia srednego vozrasta)
(MiDW)

SHAGDAROV, L. SH. [Figurative words in the present day Buryat language] Izobrazitel'nye slova v sovremennom buriatskom iazyke. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 149 p.
(MH)

SHAKH, STEPAN. [Father Markiian Shashkevych and the Galician renaissance, a jubilee publication on the 150th anniversary of the birth of the poet] O Markiian Shashkevych ta halits'ke vidrodzhennia; iuvileine vydannia u 150-littia narodyn poeta. Paris, 1961. 229 p. illus. (Vydannia Ukrains'koho khrystyians'koho rukhu, no. 2)
(CaOTU)

SHAKH, STEPAN. [The 150th anniversary of the birth of Father Markiian Shashkevych, the 1961 jubilee] U 150-littia urodyn o. Markiiana Shashkevycha, 1961 rik iuvileiv. Munich, Khrystianskyi holos, 1961. 143 p. illus.
(CaOTU)

SHAMRAI, A. P. [Selected articles and studies] Vybrani statti i doslidzhennia. Kyiv, Derzhlitvydav UR R, 1963. 317 p.

SHAPOSHNIKOVA, S. S. [The parachute did not open, stories] Parashut ne raskrylsia; rasskazy. Kishinev, Kartia moldovenlaske, 1962. 185 p.
(MH)

SHCHELOKOV, IU. M. [Birch sap, verse] Berezovyi sok, stikhi. [Tula] Tul'skoe knizhnoe izd-vo, 1962. 79 p.
(MH)

SHEVCHENKO, O. F. [Lightning; verse] Molniia, stikhi. [Voronezh] Voronezhskoe knizhnoe izd-vo, 1963. 64 p.
(MH)

SHEVCHENKO, T. H. [Taras Shevchenko; his artistic legacy] Taras Shevchenko; mystetska spadshchyna Red. kollegiia: O. I. Bilets'kyi i dr. Kyiv, Vydavn Akad. nauk URSR, 1961- 4 v.
(NcD)

SHILLER, F. P. [Heinrich Heine] Genrikh Geine. Moskva, Goslitizdat, 1962. 366 p.
(MH)

SHKERIN, M. R. [The Soviet character; literary criticism] Sovetskii kharakter; literaturno-kriticheskie stat'i. Moskva, Sovetskii pisatel', 1963. 293 p.

SHPAKOVSKII, A. I. [On the paths of life and thought verse] Na putiakh zhizni i mysli. Washington, 1962. 62 p.

SHTEINMAN, Z. IA. [...plus a smile; satiric sketches and feuilletons] ...plius ulybka; satiricheskie kartinki i fel'etony. Moskva, Sovetskii pisatel', 1963. 199 p.

SHUBIN, E. P. [Basic principles of the methods of teaching foreign languages] Osnovnye printsipy metodiki obucheniia inostrannym iazykam. Moskva, Uchpedgiz, 1963. 189 p.

SHUMOV, M I [Baked apples, a tale] Pechenye iabloki, povest' Minsk, Gosizdat BSSR, 1963. 196 p
(MH)

SHVELIS, I A. [Budimir, verse] Budimir, stikhi [Riga] Latvijas rabochii, 1962. 32 p.
(MiC)

SIAK-BELGIN, KHASYR. [Fate of a hero, a poem. Translated from the Kalmyk.] Sud'ba geroia, poema [Perev. s kalmytskogo] Kalmytskoe izd-vo, 1962. 87 p
(MH)

SIMANENKOV, I K. [Creators of joy, verse] Tvortsy radosti, stikhi Petrozavodsk, Kareľskoe knizhnoe izd-vo, 1963. 62 p.
(MH)

SIMONAITYTE, IEVA [And this is the way it was. Translated from the Lithuanian] .. a bylo tak Vilnius, Gos. izd-vo khudozh lit-ry Litovskoi SSR, 1963 398 p

SIMONOV, K M [Son of an artilleryman] Syn artillerista Moskva, Gos izd-vo detskoi lit-ry, 1956. 14 p
(NjP)

SIRMBARDIS, JANIS. [Spire swords; poems] Asmu zobeni, dzejoli, Riga, Latvijas valsts izdevnieciba, 1962 69 p [In Latvian]

SIZOV, N. T. [Restless hearts, a tale] Serdtsa bespokoiny e, povest', [Moskva] Molodaia gvardiia, 1962. 152 p
(MH)

SKALBE, ARVIDS [Anvil] Kalums. Riga, Latvijas valsts izdevnieciba, 1963. 129 p [In Latvian]

SLAVEIKOV, PENCHO. [Dream of happiness, selected verse and poems. Translated from the Bulgarian] Sun o schast'e; Izbrannye stikhotvoreniia i poemy [Moskva], Gos. izd-vo khudozh. lit-ry, 1962] 167 p.
(CtY)

SLAVUTYCH, IAR [Oasis, a fifth collection of verse] Oazy, p'iata zbirka poezii Edmonton, Slavuta, 1960 63 p.
(CABVaU)

SLOBODIUK, B.I. [Aquiline heart, stories about the famous sailor Petr Koshka] Orlinoe serdtse; rasskazy o slavnom matrose Petre Koshke. Moskva, Voenizdat, 1963. 80 p. (Biblioteka soldata i matrosa)

SLOVO O POLKU IGOREVE [The lay of Igor's host Translated by V. A. Zhukovskii] Slovo o polku Igoreve Moskva, Gos. izd-vo khudozh lit-ry, 1963 45 p. illus

SNIHUR, S.O. [The flame, a play] Polum'ia, drama. Kyiv, Derzhlitvydav, 1963 85 p.
(MH)

SOBOLEVA, T. P. [A. S. Pushkin's tale "Dubrovskii"] Povest' A. S. Pushkina "Dubrovskii" Moskva, Izd-vo Akad. nauk RSFSR, 1963. 115 p. (Pedagogicheskaia biblioteka uchitelia)
(CaOTU)

SOELSEPP, VENDA. [The road is open everywhere] Igal pool on vaba soll. Tallinn, Eesti Riiklik Kirjastus, 1963. 13 p. [In Estonian]

SOIUZ PISATELEI SSSR. Iaroslavskoe otdelenie. [Man walks the earth, present-day belles lettres] Chelovek idet po zemle, o sovremennoi khudozhestvennoi literature [Iaroslavl'] Iaroslavskoe knizhnoe izd-vo, 1962 106 p.
(NIC)

SOKOLOV, A. N., ed. [Against bourgeois and revisionist concepts of the history of Russian literature] Protiv burzhuaznykh i revizionistskikh kontsepsii istorii russkoi literatury. [Moskva] Izd-vo mosk. univ., 1963. 121 p.
(NjR)

SOKPAKBAEV, BERDYBEK. [Journey into childhood, a tale. Translated from the Kazakh] Puteshestvie v detstvo, povest. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. lit-ry, 1962. 165 p.
(NNC)

SOLZHENITSYN, ALEKSANDR. [Two stories] Dva rasskaza. [London] Flegon Press [1963?] 55 p.
(MH)

SPIRKIN, A G., ed [In the world of wise thoughts aphorisms] V mire mudrykh mysliei, sbornik aforizmov Izd 2 Kniga sostavlena po materialam, predstavlennym S Kh. Karlnym Moskva, Znanie, 1962 356 p.
(M.H)

[THE SPRING, verse] Rodnik, stikhi [Orel] Orlovskoe knizhnoe izd-vo, 1960. 75 p
(KU)

STAKHOVSKII, N N [Textbook of Russian for secondary special schools] Uchebnoe posobie po russkomu iazyku dlia srednikh spetsial'nykh uchebnykh zavedenii [L'vov] Izd-vo L'vovskogo univ , 1963 210 p

STENVALL, ALEKSIS. [Seven brothers. Translated from the Finnish] Semero brat'ev Moskva, Gos. izd-vo khudozh. lit-ry, 1961 329 p. [Publ. under his pseud. Aleksis Kivi]
(CtY)

STOLIAROV, V. A. [The horizon, verse] Gorizont, stikhi [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1963 145 p
(MH)

STROKOVSKII, N. M. [Dreams on the road, lyric tales and stories, From travel diaries] Mechty na dorogakh, liricheskie povesti i rasskazy. Iz putevykh dnevnikov. Kiev, Radians'kyi pysmennyk, 1963 320 p.
(MH)

STRUTINSKII, N. V [Along the road of immortality, a documentary tale] Dorogoi bessmertiia, dokumental'naia povest', L'vov, Knizhno-zhurnal'noe izd-vo, 1962. 240 p

SUKHOV, N. V. [Tale of the Don. Natasha's pity] Donskaia povest' Natashina zhalost'. Moskva, Sovetskii pisatel'. 1963. 206 p

SUKONTSEV, A., and I. SHATUNOVSKII. [Feuilletons] Fel'etony [Moskva] Pravda, [1962] 215 p.
(MH)

SVETLOV, M. A. [Verse] Stikhotvoreniia. Moskva, Goslitizdat, 1963. 278 p.
(MH)

SVYDNYTS'KYI, ANATOL'. [The Liuborats'kyis, a family chronicle] Liuborats'ki, simeina khronika. London, Nakladom Ukrains'koi vydavnychoi spilky, 1956. 236 p.

[TALKA, writings of literature and art] Talka, literaturno-khudozhestvennyi sbornik. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1962 73 p.
(MH)

TALYBY, MYRAT [Selected works] Sailanan eserler Chapa talialan S. Durdyev. Ashgabat, TSSR Ylymlar akademiiasynyn neshiriaty, 1963. 170 p. [In Turkmen]

TARADANKIN, A. K. [Border strip, a tale about the defenders of the Soviet borders] Pogranichnaia polosa, povest' o zashchitnikakh sovetskikh rubezhei Moskva, Izd-vo "Sovetskaia Rossiia," 1963. 183 p.

TARAN-ZAICHENKO, P. V. [Georg Buchner; on the 150th anniversary of his birth] Georg Biukhner, k 150-letiiu so dnia rozhdeniia. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhniku, VI Seriia: Literatura i iskusstvo, no. 16)

TARASOVA, G. A., and L. N. BYKOVA. [Structure of an algorithm of an independent analysis of the English language] O struktury algoritma nezavisimogo analiza angliiskogo iazyka, Moskva, In-t tochnoi mekhaniki i vychislitel'noi tekhniki Akad. nauk SSSR, 1962. 31 p. (Elektronnye vychislitel'nye mashiny) [With summary in English]
(MH)

TARNOVSKII, L. [A. I. Hertzen's literary criticism] Literaturno-kriticheskaia deiatel'nost' A. I. Gertsena, lektsiia po kursu "Russkaia literatura" dlia studentov zaochnogo otdeleniia. Leningrad, Leningr. vysshaia shkola profdvizheniia VTSSPS, 1961. 26 p.
(RPB)

TARNOVS'KYI, M. IU. [Day begins uneasily; a novel] Den' pochynavsia nespokiino, roman Kyiv, Derzhlitvydav, 1963. 380 p.
(MH)

TATARSKII, A. I. [Persistent rays (Operation Yak-double-Z), a romantic comedy] Upriamye luchi (Operatsiia IAk-dobl'-zet), romanticheskaia komediia. Moskva, Iskusstvo, 1962. 86 p.
(MH)

TAZOV, V. I. [My homeland, lyrics] Rodina moia, liriki [Smolensk] Smolenskoe knizhnoe izd-vo, 1961 58 p
(KU)

TELEUKE, VIKTOR [Unrest Bespokoistvo Kishinev, Kartia moldovenaske,] 1963. 149 p [In Moldavian]
(MH)

TETTSOEV, T. G. [My Ossetia, verse. Translated from the Ossetic] Moia Osetiia, stikhi. Moskva, Sovetskii pisatel', 1962. 57 p.
(NNC)

TILVYTIS, TEOFILIS. [Songs at the cost of life] Daina gyvybes kaina Vilnius, Valstybine grozines literaturos leidykla, 1962 100 p. [In Lithuanian]
(MH)

TIMOFEEV, L. I., and M. P. VENGROV. [Concise dictionary of literary terms, textbook for secondary-school students] Kratkii slovar' literaturovedcheskikh terminov, posobie dlia uchashchikhsia srednei shkoly Pod obshchei red L. I. Timofeeva Izd 4, ispr. i dop Moskva, Uchpedgiz, 1963 192 p.

TITOV, V. S. [Roads, sketches] Dorogi, ocherki Moskva, Sovetskii pisatel', 1963. 342 p
(NIC)

TKACH, D. V. [The arena, a novel] Arena, roman. [Moskva] Molodaia gvardiia, 1963. 284 p.
(MH)

TKACHENKO, K. A [Stories] Rasskazy Frunze, Kirgizskoe gos. izd-vo, 1962. 100 p.
(NIC)

TOBILEVYCH, I. K. [Master; a comedy in 4 acts] Khaziain, komediia v 4 deiakh. Kyiv, Derzh vyd-vo khudozh lit-ry, 1959. 114 p
(WaU)

TOLOEV, ZH. [Some problems of socialist realism in Kirghiz dramaturgy] Kyrgyz dramaturgiiasyndagy sotsialistik realizm metodunun ailym maseleleri. Frunze, Kyrgyz SSR Ilimder Akademiiasynyn basmasy, 1963. 82 p. [In Kirghiz]

TOLSTOI, L. N. Ispoved'. Confession London, Bradda Books, 1963. 94 p.
(MiU)

TROFIMOV, F. A. [Our stars over us, a tale] Nad nami nashi zvezdy, povest' Petrozavodsk, Kareľskoe knizhnoe izd-vo, 1962. 173 p.
(MH)

TROFIMOV, P. T. [Bumpy roads] Ukhabistye dorogi. [Cheboksary, Chuvashknigoizdat, 1962] 214 p.
(MH)

TSAREV, A. I., ed [Places forever sacred] Mesta, sviashchennye navek. [Ul'ianovsk] Ul'ianovskoe knizhnoe izd-vo, 1962. 46 p.
(MH)

TSYGAL'NITSKII, E. M. [Sea gulls over Baikal] Chaiki nad Baikalom. Moskva, Sovetskaia Rossiia, 1963. 70 p. (Poeticheskaia Rossiia)
(MH)

TSYGAL'NITSKII, E. M. [TSyrempil Ranzhurov, a folktale] TSyrempil Ranzhurov; narodnoe skazanie. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 37 p.
(MH)

TURSUNZADE, MIRZO. [Selected works] [Izbrannye proizvedeniia]. Dushanbe, Tadzhikgosizdat, [In Tajik]
Vol 2 1962.
(MH)

[UKRAINIAN FOLKTALES AND FABLES] Ukrainskie narodnye skazki i basni [L'vov] L'vovskoe knizhno-zhurnal'noe izd-vo, 1963 231 p.

[UKRAINIAN POPULAR PROVERBS AND SAYINGS, the pre-October period] Ukrains'ki narodni prysliv'ia ta prykazky, dozhovtnevyi period. Kyiv, Derzhlitvydav, 1963 790 p

[UKRAINIAN SATIRE AND HUMOR OF THE 19th AND THE BEGINNING OF THE 20th CENTURY; tales and stories] Ukrainskaia satira i iumor XIX-nach. XX veka, povesti i rasskazy. Moskva, Goslitizdat, 1963. 494 p.

UKRAINKA, LESIA. [Selected works] Vybrane. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1963. 547 p
(NN)

[GERMANSKAIA FILOLOGIIA I SLAVISTIKA] [Collection of articles and studies] Sbornik statei. Kyiv, Vyd-vo Akademii nauk Ukrains'koi RSR, 1963. 445 p.

[GRIN, V. A.] [Sonnets, verse] Sonety; verse, stikhi. Moskva, Sovetskii pisatel', 1962. 150 p.
(MH)

GVAROVA, V. M. [To Shevchenko's Kiev; a guidebook] Tuda, gde Shevchenko v Kieve; putevoditel'-spravochnik. [Kyiv] Kiev. gos. kul'turno-prosvetitel'nyi izd-vo, 1962. 80 p. illus.
(CtOTU)

UZIN, V. S. [Social questions in the drama of Cervantes and Lope de Vega] Obshchestvennaia problematika dramaturgii Servantesa i Lope de Vega. Moskva, Vysshaia shkola, 1963. 93 p. (V pomoshch' student-filologu)

VAISBERG, I. [Master, a tale] Khoziain, povest. Vil'nius, Gos. izd-vo khudozh. lit-ry Litovskoi SSR, 1963. 103 p.
(NIC)

VALEEV, RUSTAM. [Loyalty] Vernost'. [Chelyabinsk] Chelyabinskoe knizhnoe izd-vo, 1960. 105 p.
(NIC)

VARNO, VLADIMIR. [The earth and the people, sketches] Zemlia i liudi; ocherki. Minsk, Gos. izd-vo BSSR, Red. khudozh. lit-ry, 1963. 154, 163 p.
(NIC)

VERNE, JULES. [Captain Grant's children. Translated from the French] Deti kapitana Granta. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. lit-ry, 1955. 615 p.
(MiDW)

VODOPIANOV, M. V. [Arctic flyer] Poliarnyi letchik. Moskva, Detgiz, 1955. 286 p.

VOSTRYSHEV, I. V. [In the winter in Podlipki] Zimoi v Podlipkakh iz derevenskikh zapisok. Moskva, Sovetskii pisatel', 1963. 184 p.

VOZNESENSKII, A. A. [Three-cornered pear. 40 lyrical digressions from the poem] Treugol'naia grusha. 40 liricheskikh otstuplenii iz poemy. [Moskva, Sovetskii pisatel', 1962] 108 p.
(MH)

VSEROSSIISKOE TEATRAL'NOE OBSHCHESTVO. [A. N. Ostrovskii, articles and materials] A. N. Ostrovskii, sbornik statei i materialov. Moskva, 1962. 485 p.
(MiU)

VUITSIK, V. A. [Good-bye birds! A tale] Do svidan'ia ptitsy! Povest'. [Magadan, Magadanskoe knizhnoe izd-vo, 1963] 106 p.
(MH)

VYSHNIA, OSTAP, pseud. [Cherry smiles] Vyshnevi usmishky. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1932. 335 p.
(C4OTO)

[WORKER AND POET, verses of the young] Rabochii-poet, stikhi molodykh. Barnaul, Altaiskoe knizhnoe izd-vo, 1963. 57 p.
(MH)

ZABILA, NATALIA, ed. [Ivan, the hero, Ukrainian fairy tales] Ivan-bogatyr', ukrainskie volshebnye skazki. Kiev, Gos. izd-vo detskoi lit-ry USSR, 1960. 73 p., illus.
(N D)

ZABILA, VIKTOR. [Viktor Zabila, Mykhailo Petrenko, verses] Viktor Zabila, Mykhailo Petrenko; poezii. Kyiv, Radians'kyi pys'mennyk, 1960. 214 p.
(Bibliioteka poeta)
(WaU)

ZARECHNAIA, S. A. [Tale of seven days] Povest' o semi dniakh. Moskva, Gos. izd-vo polit. lit-ry, 1963. 78 p.
(CSt-H)

ZHILINSKII, A. P., and V. P. NEVSKII. [Your sons shall return, a tale about Latvian riflemen] Tvoi syn'ia vernutsia, povest' o latyshskikh strelkakh. Riga, Latvijskoe gos. izd-vo, 1963. 316 p.

ZHUKOV, V. S. [Oriole; verses, a poem, and translations] Ivolga; stikhotvoreniia, poema, perevody. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1962. 135 p.
(NIC)

ZHUKOVSKII, V. A. [Ballads and tales] Ballady i povesti. Moskva, Gos. izd-vo Detskoi lit-ry, 1961. 94 p. (Shkol'naia biblioteka)
(LNHT)

ZHURAVLEV-PECHORSKII, V. [Between dawns, lyrics] Mezhduzor'e, liriki. Syktyvar, Komi knizhnoe izd-vo, 1962. 87 p.
(NIC)

ZIEDONIS, IMANTS. [Dynamite of the heart] Sirds dinamits. Riga, Latvijas valsts izdevnieciba, 1963. 134 p. [In Latvian]

ZORIN, MIKHAIL, and IDA SHUL'KINA. [Day comes early, a novel] Den' nastupaet rano, roman. Moskva, Vses. uchebno-pedagog. izd-vo pri Oftekhizdat, 1961. 308 p.
(KU)

ZUBERT, E., ed. [Legends and tales of the Indians of Latin America] Legendy i skazki indeitsev Latinskoi Ameriki. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 301 p.
(NN)

12. GEOGRAPHY & GEOLOGY

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Komissiia po publikatsii inostrannykh istochnikov o Gruzii. [Gueldenstaedt's trip though Georgia] Puteshestvie Gul'denshtedta po Gruzii. Nemetskii tekst s gruzinskim perevodom izdal i issledoval G. Gelashvili. Tbilisi, Izd-vo AN Gruzinskoi SSR. [Parallel texts in German and Georgian]
Vol. 1. 1962. 364 p.

AKADEMIIA NAUK SSSR. [Present-day American ethnography, theoretical trends and tendencies] Sovremennaia amerikanskaia etnografiia, teoreticheskie napravleniia i tendentsii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 287 p.

AKADEMIIA NAUK SSSR. Natsional'nyi komitet geologov. [Problems of geology at the 21st session of the International Geological Congress] Problemy geologii na sessii Mezhdunarodnogo geologicheskogo kongressa. Moskva, Izd-vo Akad. nauk SSSR, 1963. 446 p.

BOGDANOV, D. V. [Geography of the blue continent] Geografiia golubogo kontinenta. *Moskva*, Izd-vo Akad. nauk SSSR, 1963. 74 p. (Akademiia SSSR. Nauchno-populiarnaia serila)

DAMINOVA, A. M. [Rock-forming minerals] Porodoobrazuiushchie mineraly. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 174 p.

[FUNDAMENTALS OF PALEONTOLOGY, *manual for* paleontologists and geologists of the U. S. S. R. in 15 volumes] Osnovy paleontologii, spravochnik dlia paleontologov i geologov SSSR v piatnadtsati tomakh. *Glav. red. IU. A. Orlov.* Moskva, Izd-vo Akad. nauk SSSR.
[Vol. 15] [Gymnosperms and angiosperms] Gologemennye, pokrytosemennye. Pod red. V. A. Vakrameeva, G. P. Radchenko, A. L. Takhtadzhiana. 1963. 742 p.

GIAEVER, JOHN. [Maudheim, two years in the Antarctic. The Norwegian-British-Swedish Scientific Expedition, 1949-1952. Translated from the Norwegian] Modkheim, *dva goda v Antarktike, Nauchnaia Norvezhsko-britansko shvedskaia ekspeditsiia, 1949-1953 gg.* Moskva, Gos. izd-vo geogr. lit-ry, 1958. 254 p.
(WaU)

[HYDROLOGICAL YEARBOOK] Gidrologicheskii Ezhegodnik. Leningrad, Gidrometeoizdat.
1958. Vol. 6. [Basin of the Kara Sea (western part)] Bassein Karskogo moria (zapadnaia chast')
Nos. 0-3 [Ob' River and its basin to the estuary of the Irtysh River] Reka Ob' i ee bassein do ust'ia r. Irtysha. *Pod red.* M. K. Khrapovitskoi, Zh. S. Popovoi, L. N. Rybalkinoi. 1963. 319 p.
1959. Vol. 6. [Basin of the Kara *Sea (western* part)] Bassein Karskogo moria (zapadnaia chast')
Nos. 4-9. [Basins of the Irtysh and Ob' rivers below the estuary of the Irtysh River *and the* rivers of Ob' Bay westward to the frontier with the Barents Sea] Basseiny r. Irtysh, Ob' nizhe *ust'ia* r. Irtysha i rek Obskoi guby k zapadu do granitsy s Barentsevym morem. Pod red. O. A. Kulika. 1963. 371 p.
1960. Vol. 3. [Basins of the rivers of the Caucasus] Basseiny rek Kavkaza.
Nos. 2, 4 [Basins of the rivers of *western* Transcaucasia] Basseiny rek Zapadnogo Zakavkaz'ia. Pod red. T. N. Dzhaparidze. 1963. 287 p.

IARALOV, IU. S. [Tri pian] Erevan. Mo[illegible] lit-ry na inostr. iazykakh, 1960. [illegible] p. ill.
(WaU)

KHOKHLOV, N. P. [Jambo kompol Iramu Ba[illegible] M. Butler] Jambo Konpol Rika, Latvijas [illegible] izdevnieciba, 1963. 81 p. [In Latvian]

KONKASHPAEV, G. K. [Dictionary of geographical names] Slovar' kazakhskikh geograficheskikh nazvanii. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 164 p.

KUTOLIN, V. A. [Trap rock formation in the Basin] Trappovaia formatsiia kotloviny [illegible] IU. A. Kuznetsov. Novosibirsk, Izd-vo sibirskogo otd-nila AN SSSR, 1963. 146 p. (Trudy Instituta geologii i geofiziki)

LAZARENKO, E. K. [Fundamentals of geography] Osnovy geneticheskoi mineralogii. [illegible] vo L'vovskogo univ., 1963. 109 p.

LEBEDEV, L. G., and V. G. MIRSALOV. [Aerial fatilities] Na vozdushnykh shlitolakh. Moskva, Izd-vo "Znanie," 1963. 126 p. (Prochti i rasskazhi drugu)

LENINGRAD. GOSUDARSTVENNYI GIDROLOGICHESKII INSTITUT. [Study of unsteady flow on the [illegible] under winter and summer conditions] Issledovanie neustanovivshegosia dvizheniia vody na [illegible] zimnikh i letnikh usloviiakh. Pod red. [illegible] Ueva, I. V. A. Urvaeva. Leningrad, Gidrometeoizdat, 1963. 256 p.

LIETUVOS TSR MOKSLU AKADEMIJA. Vilnius. [illegible] jos ir geografijos institutas. [Problems of [illegible] Lithuania] Voprosy geologii Litvy. Pod red. [illegible] Grigialisa i V. N. Karataitite-Talimaite. Vilnius, [illegible] 623 p. [In Russian with summaries in Lithuanian and English]

LIETUVOS TSR MOKSLU AKADEMIJA. Vilnius. [illegible] kalbos ir literatūros institutas. [Name studies in the lakes of the Lithuanian S. S. R.] Lietuvos TSR [illegible] ezeru vardynas. Vilnius, Valstybine politines [illegible] siinos literatūros leidykla, 1963. 276 p. [In Lithuanian]

MIAZGOWSKI, B. [Morocco, the red land. A translation from the Polish] Marokko. [illegible] zemlia. Moskva, Izd-vo vostochnoi lit-ry, 1963. 103 p. illus. (Puteshestviia po stranam i [illegible])

MOSKVA. Mosrow. Moskva, Izdatel'stvo [illegible] chiefly illus.) 1 v.

NEAGU, FLNUȘ. [Danube delta] Delta Dunarii. [illegible] rest, Izd-vo "Meridiane," 1963. 179 p. illus. ([illegible] i pozarii Rumynii)

NURLYBAEV, A. N. [Granitoids of the Paleozoic sive complexes of the northwestern part of the [illegible] Balkhash region (central Kazakhstan)] Granitoidy paleozoiskikh intruzivnykh kompleksov severo-[illegible] nogo Pribalkhash'ia (Tsentral'nyi Kazakhstan). Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963.

OPOCHINSKAIA, G. A., and K. V. ZHILKOVSKAIA. [Basic characteristics of the development of the territory of the U. S. S. R. in the Quaternary, [illegible] cial epoch] Osnovnye zakonomernosti razvitiia [illegible] rody territorii SSSR v chetvertichnom [illegible] vom periode-antropogene). Pod red. G. I. [illegible] Moskva, Mosk. gos. univ. im. M. V. Lomonosova.
Pt. 2. [Bibliography, 1940-1960] Bibliografiia 1940-1960 gg.
No. 1. 1962. 251 p.

PETRESCU, IOAN. [Danube delta, its beginning and development. Translated from the Rumanian] Del'ta Dunaia; proiskhozhdenie i razvitie. Red. perev. [illegible] IA. D. Nikiforova. Moskva, Izd-vo inostr. lit-ry, [illegible] 277 p. illus., fold. maps.
(LaU)

[POCKET MANUAL OF A TOURIST] Karmannyi spravochnik turista. [Moskva] Profizdat, 1963. 256 p.

POGULIAEV, D. I., and A. A. SHOST'INA. [Natural physicogeographical (natural) regions of Smolensk Province] Prirodnaia i fiziko-geograficheskaia [illegible] nye) raiony Smolenskoi oblasti. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 127 p.

POPOV, IU. N. [Triassic Ammonoidea of the [illegible] ern U. S. S. R.] Triasovye ammonoidei Severa [illegible] SSSR. 1961. 1 v.
(LaU)

REINSALU, ARMULT. [Tallinn, a guidebook] Tallin, putevoditel'. Tallin, Estonskoe gos. izd-vo, 1963. 93 p., 1 fold. map

RUSSIA (1923- U.S.S.R.) Glavnoe upravlenie geodezii i kartografii. [World atlas] Atlas mira. Moskva, 1962. 128 p. (chiefly col. maps)
(CSt-mar)

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi geologicheskii komitet. [Problems of magmatism, metamorphism, and ore formation] Voprosy magmatizma, metamorfizma i rudoobrazovaniia. Moskva, Gosgeoltekhizdat, 1963. 214 p.

[RUSSIAN DRESS FROM 1750 TO 1917 IN 5 PARTS, materials for the staging of Russian plays from the time of Fonvizin to Gor'kii] Russkii kostium 1750-1917 v piati vypuskakh, materialy dlia stsenicheskikh postanovok russkoi dramaturgii ot Fonvizina do Gor'kogo. Moskva, Vserossiiskoe teatral'noe ob-vo.
No. 2. [Russian dress from 1830 to 1850] Russkii kostium 1830-1850. Pod red. V. Ryndina. 1961. 182 p.

SAMSONOV, S. K. [Paleogeography of western Turkmenia in the Post-Khvalynian time, based on analysis of floral data] Paleogeografiia Zapadnoi Turkmenii v novokaspiiskoe vremia, po dannym floristicheskogo analiza. Moskva, Izd-vo Akad. nauk SSSR, 1963. 124 p.

SEMENOV, A. I. Cherskii. Moskva, Molodaia gvardiia, 1962. 253 p. [Publ. under his full name: A. Aidan-Semenov]
(CtY)

SERGEEV, I. V. [The mystery of geographical names] Taina geograficheskikh nazvanii. Moskva, Detgiz, 1963. 236 p.

SHASHKOV, N. IA. Usman'. [Lipetsk] Lipetskoe knizhnoe izd-vo, 1962. 42 p. (Goroda nashei oblasti)
(MH)

[STRATIGRAPHY OF THE U.S.S.R. IN FOURTEEN VOLUMES. LOWER PRE-CAMBRIAN] Stratigrafiia SSSR v chetyrnadtsati tomakh. Nizhnii Dokembrii. Glavnyi redaktor D. V. Nalivkin. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geologii i okhrane nedr.
Pt. 1. [Asiatic part of the U.S.S.R.] Aziatskaia chast' SSSR. Otvetstvennyi redaktor toma S. V. Obruchev. 1963. 396 p.

[SUDOMA UPLAND; geological and geomorphological outline] Sudomskaia vozvyshennost'; geologo-geomorfologicheskii ocherk. [By] S. S. Shul'ts i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 116 p. ——— ——— ——— [5 fold. diagrs.]

TAKHAEV, KH. IA., and I. I. PARKHOMENKO. [Ufa, capital of Bashkiria] Ufa - stolitsa Bashkirskoi ASSR. Ufa, Bashkirskoe knizhn. izd-vo, 1961. 126 p. illus., maps.
(CSt-H)

TROSHIN, A. K. [Ivan Evstaf'evich Vlasov, a Russian voivode and mineralogist of the 17th century] Ivan Evstaf'evich Vlasov - voevoda-rudoznatets XVII v. Moskva, Izd-vo Akad. nauk SSSR, 1963. 46 p. (Nauchno-biograficheskaia seriia)

VAGNER, N. P. [Blue lands, travel sketches, meditations, stories] Golubye zemli, putevye zarisovki, razdum'ia, rasskazy. Moskva, Goslitizdat, 1963. 477 p.

VOLOKHOV, I. M., and V. M. IVANOV. [Lysaya gabbro-pyroxenite-dunite intrusive complex in the Western Sayan Mountains] Lysogorskii gabbro-piroksenit-dunitovoi [sic] intruzivnyi kompleks Zapadnogo Saiana. Otv. red. IU. A. Kuznetsov. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 99 p. (Trudy Instituta geologii i geofiziki)

VOLYNCHIKOV, N., S. NIKITINA, and P. CHERMENSKII. [Lebedyan] Lebedian', [Lipetsk] Lipetskoe knizhnoe izd-vo, 1962. 35 p. (Goroda nashei oblasti)
(MH)

[WELCOME TO THE U.S.S.R.!] Dobro pozhalovat' v SSSR! [n.p. n.d.] 1 v.
[MICROFILM]

ZABELIN, I. M. [Physical geography and the science of the future] Fizicheskaia geografiia i nauka budushchego. Moskva, Geografgiz, 1963. 111 p.

ZAKARAIA, P. P. [Fortifications of Kakhetia] Fortifikatsionnye sooruzheniia Kakhetii. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1962. 214 p. [In Georgian with summary in Russian]

ZONAL'NOE SOVESHCHANIE PREDSTAVITELEI KAFEDR GEOGRAFII PEDAGOGICHESKIKH INSTITUTOV SIBIRI, 1st. [Ways to improve professional training in geography of the students of the natural history and geography department of pedagogical institutes] Puti uluchsheniia professional'noi podgotovki po geografii studentov estestvenno-geograficheskogo fakul'teta pedagogicheskikh institutov, trudy. Novosibirsk, Novosibirskii gos. pedagog. in-t, 1960. 104 p.

ZOTOV, A., and others. [Cities of the Fergana Valley, concise reference] Goroda Ferganskoi doliny, kratkii spravochnik. Perev. 2. izd. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1963. 157 p.

[ZVENIGOROD. Tourist base, tourist marches and excursion routes] Zvenigorod. Turbaza, marshruty turistskikh pokhodov i ekskursii. [Moskva, Profizdat, 1963] 23 p.

13. SCIENCE

AFANAS'EV, D. IA. and others, comps. [Russian-Ukrainian dictionary of botanical terminology and nomenclature] Russko-ukrainskii slovar' botanicheskoi terminologii i nomenklatury. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1962. 340 p.
(NN)

AKADEMIIA NAUK SSSR. [Development of Soviet science] Razvitie sovetskoi nauki. Moskva, 1961. 15 p. (Vystavka dostizhenii narodnogo khoziaistva SSSR)

AKADEMIIA NAUK SSSR. [Exploration of outer space by Soviet scientists] Issledovaniia kosmosa sovetskimi uchenymi. Moskva, 1961. 13 p. (Vystavka dostizhenii narodnogo khoziaistva SSSR)

AKADEMIIA NAUK SSSR. Il'ia Nestorovich Vekua. Vstup. stat'ia I. I. Daniliuka. Bibliografiia sostavlena G. N. Finashinoi. Moskva, 1963. 45 p. (Materialy k biobibliografii uchenykh SSSR. Seriia matematiki, no. 9)

AKADEMIIA NAUK SSSR. Institut nauchnoi informatsii. [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Institut nauchnoi informatsii Akademii nauk SSSR. Moskva, [1963] 31 p.

AKADEMIIA NAUK SSSR. Institut teoreticheskoi astronomii. [Ephemerides of minor planets for 1964] Efemeridy malykh planet na 1964 god. 16. god izd. Moskva, Izd-vo Akad. nauk SSSR, 1963. 152 p. [In Russian and English]

AKADEMIIA NAUK SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. [Dickson Island] Ostrov Dikson. Moskva. (Its: Materialy ionosfernykh issledovanii)
Sept. - Oct. 1957, 1962. 37 p.
Nov. - Dec. 1957. 1962. 27 p.
Jan. - Feb. 1958, 1962. 31 p.
Mar. - Apr. 1958, 1962. 35 p.
Sept. - Oct. 1958, 1962. 35 p.

AKADEMIIA NAUK SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. [Kheysa Island] Ostrov Kheisa. Moskva. (Its: Materialy ionosfernykh issledovanii)
Sept. - Oct. 1958, 1962. 31 p.
Nov. - Dec. 1958, 1962. 27 p.
Mar. - Apr. 1959, 1962. 33 p.
May - June 1959, 1962. 31 p.
Aug. - Sept. 1959, 1962. 39 p.

AKADEMIIA NAUK SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. Murmansk, Moskva. (Its: Materialy ionosfernykh issledovanii)
July - Aug. 1957, 1960. 47 p.
Jan. - Feb. 1958, 1960. 71 p.
May - June 1958, 1960. 79 p.
July - Aug. 1958, 1960. 76 p.
Nov. - Dec. 1958, 1960. 73 p.

AKADEMIIA NAUK SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. Rostov. Moskva. (Its: Materialy ionosfernykh issledovanii)
July - Dec. 1957, 1962. 76 p.
Jan. - Mar. - Apr. 1958, 1962. 63 p.
May - June 1958, 1962. 58 p.
Sept. - Oct. 1958, 1962. 60 p.
Nov. - Dec. 1958, 1962. 59 p.
Jan. - Mar. 1959, 1962. 96 p.
Apr. - May 1959, 1962. 61 p.
June - Aug. 1959, 1962. 61 p.
Sept. - Oct. 1959, 1962. 62 p.
Nov. - Dec. 1959, 1962. 61 p.

AKADEMIIA NAUK SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. Simferopol' Moskva. (Its: Materialy ionosfernykh issledovanii)
Sept. - Oct. 1957, 1962. 67 p.
March - April 1958, 1962. 79 p.

AKADEMIIA NAUK SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. Sverdlovsk Moskva. (Its: Materialy ionosfernykh issledovanii)
Nov. - Dec. 1957, Jan. - Feb. 1958. 1962. 63 p.
Mar. - Apr. 1958. 1962. 62 p.

AKADEMIIA NAUK SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. [Tikhaya Bay] Bukhta Tikhaia, Moskva. (Its: Materialy ionosfernykh issledovanii)
Sept. - Oct. 1957, 1962. 30 p.
May - June 1958, 1962. 35 p.

AKADEMIIA NAUK SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. [Tiksi Bay] Bukhta Tiksi. Moskva. (Its: Materialy ionosfernykh issledovanii)
Apr. - May 1958, 1962. 39 p.
July - Aug. 1958, 1962. 43 p.
Sept. - Oct. 1958, 1962. 35 p.
Nov. - Dec. 1958, 1962. 27 p.
Feb. - Mar. 1959, 1962. 37 p.
Apr. 1959, 1962. 19 p.
July - Aug. 1959, 1962. 39 p.
Sept. - Oct. 1959, 1962. 37 p.
Nov. - Dec. 1959, 1962. 34 p.

AKADEMIIA NAUK SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. Tomsk, Moskva. (Its: Materialy ionosfernykh issledovanii)
July - Oct. 1957, 1962. 57 p.
Nov. - Dec. 1957, 1962. 55 p.
Jan. - Feb. 1958, 1962. 59 p.
Mar. - Apr. 1958, 1962. 59 p.
May - June 1958, 1962. 62 p.
July - Aug. 1958, 1962. 67 p.
Sept. - Oct. 1958, 1962. 59 p.
Nov. - Dec. 1958, 1962. 57 p.
Feb. - Mar. 1959, 1962. 59 p.
Apr. - May 1959, 1962. 63 p.
June - July 1959, 1962. 67 p.
Aug. - Sept. 1959, 1962. 63 p.
Oct. - Dec. 1959, 1962. 83 p.

AKADEMIIA NAUK SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. [Yakutsk] IAkutsk. Moskva. (Its: Materialy ionosfernykh issledovanii)
Sept. - Dec. 1958, 1960. 67 p.

AKADEMIIA NAUK SSSR. Komitet po meteoritam. [Sikhote-Alin' iron meteoritic shower] Sikhote-Alinskii, zheleznyi meteoritnyi dozhd'. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 2. 1963. 370 p. illus.

AKADEMIIA NAUK SSSR. Mezhduvedomstvennyi geofizicheskii komitet. VII razdel programmy MGG: Kosmicheskie luchi. [Articles] Sbornik statei. Moskva, Izd-vo Akad. nauk SSSR.
No. 1. [Variations of cosmic rays below ground, at sea level, and in the stratosphere] Variatsii kosmicheskikh luchei pod zemlei, na urovne moria i v stratosfere. 1959. 56 p.
No. 2. [Variations of cosmic rays and solar corpuscular streams] Variatsii kosmicheskikh luchei i solnechnye korpuskuliarnye potoki. 1960. 143 p.

AKADEMIIA NAUK URSR. Kiev. Instytut hidrobiologii. [Problems of the ecology and cenology of the aquatic organisms of the Dnieper River] Pytannia ekologii i tsenologii vodnykh organizmiv Dnipra. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 40 p.

AKADEMIIA NAUK URSR. Kiev. Instytut kibernetyky. [Computer mathematics and technology] Obchysliuval'na matematyka i tekhnika. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 128 p.

AKADEMIIA NAUK URSR. Kiev. Instytut matematyky. [Bibliography of Ukrainian mathematical works, 1917-1960] Ukrains'ka matematychna bibliografiia 1917-1960. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 381 p.

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Institut matematiki. [Problems of computer mathematics] Voprosy vychislitel'noi matematiki. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1963. 167 p.

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Institut matematiki. [Studies on differential equations] Issledovaniia po differentsial'nym uravneniiam. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1963. 204 p.

ALEKSAKHIN, R. M. [Radioactive contamination of soil and plants] Radioaktivnoe zagryaznenie pochvy i rastenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 130 p.

AMOSOV, N. M. [Cybernetics and medicine] Kibernetika i meditsina, rasshirennaia stenogramma lektsii prochitannoi v Tsentral'nom lektorii Vsesoiuznogo obshchestva "Znanie." Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no. 17)

BELOZERSKII, A. N. [Nucleic acids and their biological significance] Nukleinovye kisloty i ikh biologicheskoe znachenie; rasshirennaia stenogramma lektsii prochitannoi v Tsentral'nom lektorii Vsesoiuznogo obshchestva "Znanie." Moskva, Izd-vo "Znanie," 1963. 62 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no. 15-16)

BUBELEV, F. G. [Conformal mapping of a Lobachevskii plane on a Euclid's strip and its application to the kinematics of relativistic particles] Primenenie konformnogo otobrazheniia ploskosti Lobachevskogo na ploskuiu polosu k kinematike relativistskikh chastits. Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1963. 30 p., fold. diagrs. (Summary in English, in insert)

CHIKIN, L. A. [Programming for electronic digital computers] Programmirovanie dlia elektronnykh tsifrovykh vychislitel'nykh mashin, spravochno-metodicheskoe posobie. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1963. 64 p.

DAVYDOV, M. M. [Catching muskrats with creels] Otlov ondatry mordami (vershami). Moskva, Izd-vo TSentrosoiuza, 1963. 53 p.

DOBROTIN, N. A. [Cosmic rays] Kosmicheskie luchi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 125 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

DZHELEPOV, B. S., L. K. PEKER, and V. O. SERGEEV. [Decay schemes of radioactive nuclei at A ≥ 100] Skhemy raspada radioaktivnykh iader A ≥ 100. Moskva, Izd-vo Akad. nauk SSSR, 1963. 1058 p.

EIGENSON, M. S. [Sun, weather, and climate] Solntse, pogoda i klimat. Leningrad, Gidrometeoizdat, 1963. 273 p.

ELTON, C. S. [The ecology of invasions by animals and plants. Translated from the English] Ekologiia nashestvii zhivotnykh i rastenii. Pod red. i s predisl. N. P. Naumova. Moskva, Izd-vo inostr. lit-ry, 1960. 228 p. illus., maps.
(ViU)

GAMMERMAN, A. F., M. D. SHUPINSKAIA, and A. A. IATSENKO-KHMELEVSKII. [Healing plants, medicinal plants of our country] Rastenita-iseliteli, lekarstvennye rastenita nashei Rodiny. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 422 p.

GAVRILOVA, M. K. [Radiation climate of the Arctic] Radiatsionnyi klimat Arktiki. Pod red. M. I. Budyko. Leningrad, Gidrometeoizdat, 1963. 225 p.

[GEOBOTANICAL MAPPING] Geobotanicheskoe kartografirovanie 1963. Moskva, Izd-vo Akad. nauk SSSR, 1963. 69 p.

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Moskovskii filial. Fenologicheskaia komissiia. [Seasonal development of nature in the central provinces of the European part of the R. S. F. S. R. in 1960] Sezonnoe razvitie prirody tsentral'nykh oblastei Evropeiskoi territorii RSFSR 1960 g. Leningrad, 1962. 53 p.

GORBACHEV, S. V., ed. [Laboratory work in physical chemistry] Praktikum po fizicheskoi khimii. [By] O. A. Burmistrova i dr. Moskva, Vysshaia shkola, 1963. 553 p.

GREGUSS, PAL. [A guide to the wood analysis of gymnosperms based on microscopic data. Translated from the Hungarian] Opredelitel' drevesiny golosemennykh po mikroskopicheskim priznakam. [Moskva] Izd-vo Mosk. univ. 1963. 183 p. 7 diagrs. insert.

GUBANOV, A. I. [Quantum-electron theory of amorphous conductors] Kvantovo-elektronnaia teoriia amorfnykh provodnikov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 249 p.

IERUSALIMSKII, A. M. [Descriptive geometry] Nachertatel'naia geometriia. Pod red. N. N. Ivanova. 2. izd., perer. s prilozheniem sbornika uprazhnenii. [Iaroslavl'] Rosuzizdat, 1963. 247 p.

——— Ivanov, N. N., I. S. Khramova. [Exercises in descriptive geometry] Sbornik upraznenii po nachertatel'noi geometrii. 55 p.

[INTERACTION OF THE SCIENCES IN THE STUDY OF THE EARTH] Vzaimodeistvie nauk pri izuchenii Zemli. Moskva, Izd-vo Akad. nauk SSSR, 1963. 323 p.

ITO, KIYOSHI. [Probabilistic processes. Translated from the Japanese] Veroiatnostnye protsessy. Pod red. E. B. Dynkina. Moskva, Izd-vo inostr. lit-ry. No. 2. 1963. 135 p.

KEDROV, B. M. [Object and relationship of the natural sciences] Predmet i vzaimosviaz' estestvennykh nauk. Moskva, Izd-vo Akad. nauk SSSR, 1962. 409 p. (Dialekticheskii materializm i sovremennoe estestvoznanie)
(MiU)

KHASKIN, A. M., S. A. VOEVODSKII, and Z. IA. KRASNITS. [Drawing course for technical correspondence schools] Kurs cherchenila dlia zaochnykh tekhnikumov. Kiev, Gostekhizdat USSR.
Pt. 1. 1963. 271 p.

KHOMCHENKO, G. P. [Handbook on chemistry for students enteing institutions of higher learning] Posobie po khimii dlia postupaiushchikh v vuzy. [Moskva] Izd-vo Mosk. univ., 1963. 270 p.

KISSIN, V. E. [Higher mathematics] Vysshaia matematika. Moskva, M-vo vysshego i srednego spetsial'nogo obrazovaniia RSFSR.
Pt. 3. [Integral calculus] Integral'noe ischislenie. 1961. 271 p.

KOBAKHIDZE, D. N. [Structural characteristics of insect communities of some natural zones of the Georgian S. S. R.] Strukturnye osobennosti entomokompleksov nekotorykh landshaftnykh zon Gruzinskoi SSR. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR. 1963. 90 p.

KOMENDANTOV, G. L. [Physiological fundamentals of fatigue] Fiziologicheskie osnovy utomleniia. Moskva, TSentr. in-t usovershenstvovaniia vrachei, 1963. 82 p.

KOMPANEETS, A. S. [Shock waves] Udarnye volny. Moskva, Fizmatgiz, 1963. 90 p.

KONDRAT'EV, E. V., and E. E. FRIDENBERG. [Hydrolysis] Gidroliz, uchebnoe posobie. 2. izd. Moskva, Mosk. in-t stali i splavov. 1962. 15 p.
[MICROFILM]

KONSTANTINOV, A. P. [Evaporation in nature] Isparenie v prirode. Leningrad, Gidrometeoizdat, 1963. 589 p.

KOROBOV, N. M. [Number-theoretical methods in approximation analysis] Teoretikochislovye metody v priblizhennom analize. Moskva, Fizmatgiz, 1963. 224 p. (Biblioteka prikladnogo analiza i vychislitel'noi matematiki)

KOZYR', I. V. [Methods of teaching human anatomy and physiology] Metodika prepodavaniia anatomii i fiziologii cheloveka. Izd. 2., perer. i dop. Moskva, Uchpedgiz, 1960. 286 p.
(CLU)

KRANDIEVS'KYI, V. S. [Ostracoda in the Silurian sediments of Podolia] Fauna ostrakod siluriiskikh vidkladiv Podillia. Kyiv, Vyd-vo AN URSR, 1963. 147 p.

KRASNOSEL'SKII, M. A., and others. [Vector fields on a plane] Vektornye polia na ploskosti. Moskva, Fizmatgiz, 1963. 245 p.

KRYLOV, B. L. [Fundamentals of operational calculus] Osnovy operatsionnogo ischisleniia; uchebnoe posobie dlia aviatsionnykh institutov. Izd. 2., perer. Kazan', Kazanskii aviatsionnyi in-t, 1961. 50 p.
[MICROFILM]

KRYLOVA, M. D. [Phage typing of bacteria] Fagotipirovanie bakterii. Moskva, Medgiz, 1963. 199 p.

KUSHCHENKO, V. S. [Problems with solutions for competitive examinations in mathematics] Sbornik konkursnykh zadach po matematike s resheniiami. Leningrad, Sudpromgiz, 1963. 691 p.

LABINSKAIA, A. S. [Laboratory manual on microbiological research methods] Prakticheskoe rukovodstvo po mikrobiologicheskim metodam issledovaniia. 2d. Moskva, Medgiz, 1963. 462 p.

LANDAU, L. D., and A. I. KITAIGORODSKII. [Physics for all; motion, heat] Fizika dlia vsekh, dvizhenie, teplota. Moskva, Fizmatgiz, 1963. 300 p.

LAPINS, I. [Biology and parasites of small forest mammals of the Latvian S. S. R.] Biologiia i parazitofauna melkikh lesnykh mlekopitaiushchikh Latviiskoi SSR. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1963. 134 p.

LATENKO, I. V. [Analogue multiplication devices] Analogovye mnozhitel'nye ustroistva. Kiev, Gostekhizdat USSR, 1963. 193 p.

LEBEDEV, N. N. [Special functions and their applications] Spetsial'nye funktsii i ikh prilozheniia. Izd. 2., perer. i dop. Moskva, Fizmatgiz, 1963. 358 p.

LEBEDEV, T. S., and D. V. KORNIETS. [Heat of the earth] Teplo Zemli. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963. 63 p. (Nauchno-populiarnaia literatura)

LEONT'EVA, L. P. [Old age retreats] Stareboi'nye internaty. Alma-Ata, Kazgosizdat, 1963. 197 p.

LESNIAK, A. [Stories of footprints] Skazy zolotoi pustyni. Alma-Ata, Kazakhskoe gos. izd-vo, 1963. 132 p.

LEUKHINA, G. N., and O. A. SEMENOVA. [Climatic description of the plains and foothills in southern Tajikistan] Klimaticheskoe opisanie ravnin i predgorii IUzhnogo Tadzhikistana. Leningrad, Gidrometeoizdat, 1963. 82 p.

LEVIN, V. E. [Nuclear reactors] Iadernye reaktory. [Moskva] Gosatomizdat [1963]. 303 p.

MATVEEV, V. M. [Differential equations] Differentsial'nye uravneniia; metodicheskoe posobie dlia [illegible]. [Leningrad] Izd-vo Leningr. univ., 1963. 114 p.

MEZHDUNARODNAIA KNIGA, Moscow. [New Soviet books from the Hydrometeorology Publishing House (1961)] Sovetskie novye knigi Gidrometeoizdata 1961 g. Moskva, [1960?] 96 p. (Katalog dlia zakazok, no. 3)

MEZHVUZOVSKAIA NAUCHNAIA KONFERENTSIIA PO VOPROSAM ISPARENIIA, GORENIIA I GAZOVOI DINAMIKI DISPERSNYKH SISTEM, 3d, 1962. [Papers of reports of the Interuniversity Scientific Conference on Problems of Evaporation, Combustion, and Gas Dynamics of Disperse Systems] Tezisy dokladov. Odessa, Odesskii gos. univ., 1962. 26 p.
[MICROFILM]

MOSCOW. NAUCHNO-TEKHNICHESKOE OBSHCHESTVO RADIOTEKHNIKI I ELEKTROSVIAZI. [Cybernetics and electronic computer technology; materials of the 16th Conference of Science and Technology, April 17-21, 1961] Kibernetika i elektronno-vychislitel'naia tekhnika, po materialam XVI Nauchno-Tekhnicheskoi Konferentsii 17-21 aprelia 1961 g. Moskva, Gosenergoizdat, 1963. 137 p.
(CSimoR)

NAGORNYI, A. V., V. N. NIKITIN, and I. N. BULAEVA. [Problems of aging and longevity] Problemy starenila i dolgolotiia. Pod obshchei red. V. N. Nikitina. Moskva, Medgiz, 1963. 754 p.

NARETS, L. K. [New problems in the statics, dynamics and stability of beams arising in connection with the appearance of computers of continuous and discrete action] Novye voprosy statiki, dinamiki i ustoichivosti balok, voznikaiushchie v sviazi s poiavleniem vychislitel'nykh mashin nepreryvnogo i diskretnogo deistvila; uchebnoe posobie. Tallinn, Tallinnskii politekhn. in-t, 1963. 87 p.

NAUCHNAIA SESSIIA GEL'MINTOLOGOV RESPUBLIK ZAKAVKAZ'IA PO VOPROSAM GEL'MINTOFAUNY I BOR'BY S GEL'MINTOZAMI CHELOVEKA, SEL'SKOKHOZIAISTVENNYKH ZHIVOTNYKH I RASTENII, Tiflis, 1961. [Materials of the Scientific Session of Helminthologists of the Transcaucasian Republics on Problems of Helminthofauna and Control of Helminthiasis in Man, Farm Animals and Plants] Materialy. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 220 p.

NIKITIN, E.M [Theoretical mechanics for technical schools] Teoreticheskaia mekhanika dlia tekhnikumov. Izd 3., perer. Moskva, Fizmatgiz, 1963. 518 p.

NIKOL'SKII, G.V. [Ecology of fishes] Ekologiia ryb. Moskva, Vysshaia shkola, 1963. 367 p

PARNO, I.K. [The derivative and its application to the study of functions, subject from the course "Algebra and elementary functions" for the 11th grade of secondary schools] Proizvodnaia i ee primenenie k issledovaniiu funktsii, tema iz kursa "Algebra i elementarnye funktsii" XI klassa srednei shkoly. Posobie dlia uchitelia. Kishinev, Gos. izd-vo "Kartia moldovenisske," 1963. 96 p.

PASYNSKII, A.G. [Colloid chemistry] Kolloidnaia khimiia. Pod red V.A.Kargina. 2, izd. Moskva, Vysshaia shkola, 1963. 296 p

POGOSOV, G.S., D.D.SAKHAROVA, and TS.IA.SHEIN, comps. [Manual for the solution of problems in theoretical mechanics] Posobie po resheniiu zadach teoreticheskoi mekhaniki. Moskva, Mosk. in-t khimicheskogo mashinostroeniia, 1963.
Sec.1. [Statics] Statika. 49 p.
Sec.2. [Kinematics] Kinematika. 71 p.

POKROVSKII, G.I., and L.I.SLABKII. [Physics in technology] Fizika v tekhnike. Moskva, Voenizdat, 1963. 83 p. (Nauchno-populiarnaia biblioteka voennogo izdatel'stva)

POPOV, M.G. [Principles of florogenesis] Osnovy florogenetiki. Moskva, Izd-vo Akad. nauk SSSR, 1963. 133 p.

POPOVSKII, A.D. [Laws of life] Zakony zhizni. Moskva, Sovetskii pisatel', 1963. 881 p.
(NN)

PRISHIVALKO, A.P. [Reflection of light from absorbing media] Otrazhenie sveta ot pogloshchaiushchikh sred. Minsk, Izd-vo Akad. nauk Belorusskoi SSR, 1963. 420 p

ROZANOV, IU.A. [Stationary random processes] Statsionarnye sluchainye protsessy. Moskva, Fizmatgiz, 1963. 284 p. (Teoriia veroiatnostei i matematicheskaia statistika)

RUDNEV, F.F., and P.A.NOVIKOV. [Vorgol cliffs] Vorgol'skie skaly. [Lipetsk Lipetskoe knizhnoe izd-vo, 1962. 23 p.

RUDO, N.M. [Laboratory balances and precise weighing] Laboratornye vesy i tochnoe vzveshivanie. Moskva, Standartgiz, 1963. 149 p.

SALGANSKII, A.A., and others [Askaniya-Nova Zoological Garden; acclimatization of ungulates and ostriches] Zoopark "Askaniia-Nova," opyta akklimatizatsii dikikh kopytnykh i strausov. Kiev, Gossel'khozizdat, USSR, 1963. 305 p.

SHAKHPARONOV, M.I. [Methods of studying the thermal motion of molecules and the structure of liquids] Metody issledovaniia teplovogo dvizheniia molekul i stroeniia zhidkostei. [Moskva] Izd-vo Mosk. univ. 1963. 280 p.

SHAROV, ALEKSANDR. [First battle; a tale about virologists] Pervoe srazhenie, povest' o virusologakh. 3. izd. [Moskva] Molodaia gvardiia, 1963. 252 p.

SKRIABIN, K.I., and others. [Development of helminthological science and practice in the U.S.S.R.] Stroitel'stvo gel'mintologicheskoi nauki i praktiki v SSSR. Moskva, Izd-vo Akad. nauk SSSR,
Vol. 2. 1963. 415 p.

STOROZHENSKII, A.I. [Results of the observations of the Odessa Magnetic Observatory for 1960] Rezul'taty nabliudenii Odesskoi magnitnoi observatorii za 1960 g. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963, 122 p. [Text in Russian, Ukrainian and English]

SULTANOVA, R.M. [A guide to annual direct-seeded flowering plants] Opredelitel' odnoletnikh gruntovykh tsvetochnykh rastenii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 59 p.

SUVOROV, I.F. [Brief course in higher mathematics for schools of economics] Kratkii kurs vysshei matematiki dlia ekonomicheskikh vuzov. Moskva, Vysshaia shkola, 1961. 435 p.
(OkS)

TSESEVICH, V.P. [How and what to observe in the sky, handbook for the organization and conducting of amateur scientific observations of heavenly bodies] Chto i kak nabliudat' na nebe, rukovodstvo k organizatsii i provedeniiu liubitel'skikh nauchnykh nabliudenii nebesnykh svetil Izd. 3 Moskva, Fizmatgiz, 1963. 451 p.

VESELOVSKAIA, T.K., and I.V.MACHINSKAIA. [Problems and exercises in organic chemistry] Zadachi i upr.azhneniia po organicheskoi khimii. Pod red. V.N.Belova. [Petrozavodsk] Rosvuzizdat, 1963. 154 p.

VSESOIUZNOE NAUCHNOE METEOROLOGICHESKOE *SOVESHCHANIE*, Leningrad, 1961. [Transactions of the All-Union Scientific Meteorological Conference] Trudy. Leningrad, Gidrometeoizdat.
Vol.7. [Physics of the surface layer] Fizika prizemnogo sloia. Pod red *D.L.Laikhtmana*. 1963. 319 p.

ZABELLO, Z.I., and M.Z.PEKKER. [Expediency in the plant kingdom] Tselesoobraznost' v rastitel'nom mire. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 101 p.

ZHITOMIRSKAIA, O.M., and I.G.SABININA. [Climatic description of the Usuri] Klimaticheskoe opisanie Ussuriia. Leningrad, Gidrometeoizdat, 1963. 57 p.

14. MEDICINE

AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow. [Intrauterine infection] Vnutriutrobnaia infektsiia. Pod red. S.M.Bekkera. Leningrad, Medgiz, 1963. 247 p.
(DNLM)

AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow. Institut gerontologii i eksperimental'noi patologii. [Mechanisms of aging] Mekhanizmy starenila Kiev, Gos. med. izd-vo USSR, 1963. 490 p.
(DNLM)

AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow. Institut onkologii. [Thirty years' work of the Institute of Oncology of the Academy of Medical Sciences of the U.S.S.R., 1926-1956. Results of clinical, research, and organizational work] Tridtsat' let deiatel'nosti instituta onkologii Akademii meditsinskikh nauk SSSR, 1926-1956. *Itogi kliniko-lechebnoi*, nauchno-issledovatel'skoi i organizatsionnoi raboty. Pod red. A.I. Serebrova, S.A.Kholdina, i A.V.Chaklina. [Leningrad] Akademiia med. nauk SSSR, 1956. 247 p.
(WaU)

ANOSOV, N.N., and B.S.VILENSKII. [Ischemic insultus; thrombosis of the cerebral vessels] Ishemicheskii insul't; tromboz sosudov golovnogo mozga. Leningrad, Medgiz, 1963. 286 p.
(DNLM)

[BE HAPPY! CARE FOR THE HEALTH OF THE SOVIET FAMILY] Chelovek, bud' schastliv! Zabota o zdorov'e sovetskoi sem'i. [n.p.,] 1962. 13 p.
[DNLM MICROFILM]

DOROFEEVA, A.I. [Rational nutrition of children] Ratsional'noe pitanie detei. Leningrad, Medgiz, 1963. 38 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

DYMSHITS, L.A. [Prevention of shortsightedness in children] Profilaktika blizorukosti u detei. Leningrad, Medgiz, 1963. 44 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

FRIDKIN, V.IA. [Anatomicofunctional foundations of the X-ray picture of the lungs] Anatomo-funktsional'nye osnovy rentgenologicheskogo izobrazheniia legkikh. Moskva, Medgiz, 1963. 189 p.
(DNLM)

FROL'KIS, V.V., and others. [Coronary blood circulation and experimental myocardial infarct] Koronarnoe krovoobrashchenie i eksperimental'nyi infarkt miokarda, Kiev, Gosmedizdat USSR, 1962. 464 p.
(DNLM)

[HANDBOOK ON PREPARED DRUGS] Spravochnik po gotovym lekarstvennym formam. Sost. A.I.Palin, R.M.Lisitskii, R.IA.Kholshtein. Otv. red. T.P. Klimovich, A.P.Semiletova. Riga, Glav. aptechnoe upr. M-va zdravookhraneniia Latviiskoi SSR, 1962. 390 p. [Cover title: Spravochnik dlia vrachei]
(DNLM)

IVANOV, N.A. [Treatment of some dermatoses with corticosteroids] Lechenie kortikosteroidami nekotorykh dermatozov Leningrad, Medgiz, 1963 181 p
(DNLM)

KANTOROVICH, L.I. [Blood transfusion in obstetric practice] Perelivanie krovi v akusherskoi praktike Pod red L.S.Persianinova. Minsk, Gosizdat BSSR, 1963. 154 p.
(DNLM)

KHMEL'NITSKII, O.K. [Pathomorphogenesis of visceral candidiasis] Patomorfogenez visiseral'nogo kandidoza Leningrad, Medgiz, 1963. 100 p
(DNLM)

LEVIN, G.S., and A.IU.TILIS. [Blood and blood substitutes in the struggle for human life] Krov' i krovezameniteli v bor'be za zhizn' cheloveka. Tashkent, Medgiz, UzSSR, 1962 55 p (Nauchno-populiarnaia literatura)
(DNLM)

MOSCOW. GOSUDARSTVENNAIA NAUCHNAIA MEDITSINSKAIA BIBLIOTEKA. [Scientific medical literature of the U.S.S.R., index of books and articles for the second half of 1960] Nauchnaia meditsinskaia literatura SSSR; ukazatel' knig i statei za vtoroe polugodie 1960 g. Sost. Bibliograficheskim otdelom GTsNMB. Pod red. N.S.Korsakovoi Moskva, Medgiz, 1963. 749 p

MOSCOW (Province) Oblastnoi nauchno-issledovatel'skii institut akusherstva i ginekologii. [Author's abstracts of scientific papers completed in 1961] Avtoreferaty nauchnykh rabot, vypolnennykh v 1961 g. Red. kollegiia: O.D.Matspanova i dr. Moskva, 1962. 118 p. [Cover title: Voprosy akusherstvo-ginekologicheskoi pomoshchi, no. 1]
(DNLM)

[MULTIVOLUME MANUAL ON INTERNAL DISEASES] Mnogotomnoe rukovodstvo po vnutrennim bolezniam. Moskva, Medgiz.
Vol 9. [Diseases of the kidneys] Bolezni pochek Red. toma E.M Tareev 1963 383 p.
(DNLM)

[MULTIVOLUME MANUAL ON PATHOLOGICAL ANATOMY] Mnogotomnoe rukovodstvo po patologicheskoi anatomii. Otv. red. A.I.Strukov. Moskva, Medgiz.
Vol. 1. [History of pathological anatomy, pathological anatomy of the endocrine glands, skin, ear, and eye] Istoriia patologicheskoi anatomii, patologicheskaia anatomiia zabolevanii endokrinnykh zhelez, kozhi, ukha i glaza. Red. toma P.P. Dvizhkov i dr. 1963. 670 p.
(DNLM)

NAUCHNAIA KONFERENTSIIA PO RESPUBLIKANSKOI PROBLEME "OKHRANA ZDOROV'IA DETEI I PODROSTKOV." [Problems in protecting the health of children and adolescents] Voprosy okhrany zdorov'ia detei i podrostkov, materialy. Pod red. D.N. Kaliuzhnogo i S.S. Poznanskogo. Kiev, Gosmedizdat USSR, 1963. 219 p.
(DNLM)

NAUCHNO-TEKHNICHESKOE OBSHCHESTVO RADIOTEKHNIKI I ELEKTROSVIAZI IM. A.S.POPOVA. [Electronics in medicine] Elektronika v meditsine, sbornik materialov. Riga, TSentr. biuro tekhn. informatsii Latviiskoi SSR, 1962. 260 p.
(DNLM)

NESTEROV, A.I. [Rheumatic fever] Revmatizm Moskva, Medgiz, 1963. 40 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

NESTEROVA, A.P., and V.A.OLENEVA. [Therapeutic nutrition in peptic ulcer] Lechebnoe pitanie pri iazvennoi bolezni. Moskva, Medgiz, 1963. 70 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

ORENBURG. GOSUDARSTVENNYI MEDITSINSKII INSTITUT. [Nineteenth Scientific Session of the Orenburg State Medical Institute] XIX Nauchnaia sessiia. Orenburg, 1962. 144 p.
[DNLM MICROFILM]

PAVLENKO, S.M. [Natural science fundamentals of medical genetics] Estestvennonauchnye osnovy meditsinskoi genetiki. Moskva, Medgiz, 1963. 45 p
(DNLM)

PODOL'NYI, S.A. [Municipal polyclinic] Gorodskaia poliklinika. Moskva, TSentr. in-t usovershenstvovaniia vrachei, 1963. 259 p. (Znachnoe usovershenstvovanie)
(DNLM)

RABINOVICH, A S [Take care of your teeth, advice to parents and educators] Sokhranaite zuby, sovety roditeliam i vospitateliam Moskva, Medgiz, 1963 22 p (Nauchno-popliarnaia meditsinskaia literatura) (DNLM)

ROMM, S Z , and A M VAINSHTEIN [Take care of your hearing] Beregite slukh Leningrad, Medgiz, 1963 40 p (Nauchno-populiarnaia meditsinskaia literatura) (DNLM)

[SOME PROBLEMS OF NEUROPATHOLOGY AND PSYCHIATRY, materials of the scientific and practical conference of neuropathologists and psychiatrists of the city of Kazan] Nekotorye voprosy nevropatologii i psikhiatrii, materialy nauchno-prakticheskoi konferentsii nevropatologov i psikhiatrov gor Kazani Kazan', Kazanskoe nauchn ob-vo nevropatologov i psikhiatrov gor Kazani Kazan', Kazanskoe nauchn ob-vo nevropatologov i psikhiatrov, 1963 77 p [DNLM MICROFILM]

[TECHNIQUE AND METHODS OF ELECTROENCEPHALOGRAPHY] Tekhnika i metodiki elektroentsefalografii [By] IU G Kratin i dr Moskva, Izd-vo Akad. nauk SSSR, 1963 312 p.

VENKEI, T , and J SUGÁR. [Malignant tumors of the skin, early diagnosis, pathohistology and treatment] Zlokachestvennye opukholi kozhi, rannaia diagnostika, patogistologiia i lechenie Budapest, Izd-vo Akad. nauk Vengrii, 1962 341 p illus. (DNLM)

ZARETSKII, V. V [Electrokymography] Elektrokimografiia Moskva, Medgiz, 1963 290 p (DNLM)

15 AGRICULTURE

ABAEV, N A [Development of cotton growing in Soviet Turkmenistan] Razvitie khlopkovodstva sovetskogo Turkmenistana Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 167 p (DNAL)

AKADEMIIA NAUK URSR Kiev. Botanychnyi sad [Biological problems of acclimatized plants] Pytannia biologii aklimatyzovanykh roslyn. Kyiv, Vyd-vo Akad nauk Ukrains'koi RSR, 1963 90 p. (DNAL)

ANDREEVA, G. A [Recommendations for controlling the principal pests and diseases of corn] Rekomendatsii po bor'be s osnovnymi vreditelimi i boleznami kukuruzy Moskva, Izd-vo sel'khoz lit-ry, zhurnalov i plakatov, 1963 26 p. (DNAL)

ANDRIANOV, V N , and IU A. SEMENIAK. [Efficient electric drive for cream separators] K voprosu o ratsional'nom elektroprivode molochnykh separatorov, nauchnoe soobshchenie Moskva, Otdel tekhn. informatsii VIESKha. 1962 41 p [MICROFILM]

BEREZOVSKII, A. A. [Preparing and using combined silage] Prigotovlenie i ispol'zovanie kombinirovannogo silosa Moskva, Sel'khozizdat, 1963. 77 p. (DNAL)

CHAILAKHIAN, M KH. [Story about plant gibberellins] Povest' o gibberellinakh rastenii. Moskva, Izd-vo "Znanie," 1963 46 p (Novoe v zhizni, nauke, tekhnike V Serila Sel'skoe khoziaistvo, no 17)

DAVYDOV, I. S. [Economic effectiveness of machinery for harvesting cotton] Ekonomicheskaia effektivnost' mashin na uborke khlopka Tashkent, Gos. izd-vo UzSSR, 1962. 84 p. (DNAL)

ELAGIN, I N. [Recommendations for cultivating sorghum] Rekomendatsii po vozdelivaniiu sorgo. Moskva, Izd-vo sel'khoz lit-ry, zhurnalov i plakatov, 1963 33 p. (DNAL)

GRUZDEVA, G. N , ed. [Regionally adapted varieties and hybrids of corn] Raionirovannye sorta i gibridy kukuruzy. [Moskva? Otdel informatsii i pechati VINKh SSSR, 1962?] 62 plates (in portfolio) (DNAL)

IAKOVLEV, V. IA. [Chemical composition and nutritive value of the grass stand of pastures and hayfields in the upland Tien Shan] Khimicheskii sostav i pitatel'nost' travostoia pastbishch senokosov syrtov Tian'-Shania. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 114 p. (DNAL)

[INTENSIVE PRODUCTION ON EACH FARM] Kazhdomu khoziaistvu - intensivnoe proizvodstvo [Smolensk Smolenskoe knizhnoe izd-vo, 1962] 55 p. (Sel'skokhoziaistvennyi universitet na domu) (DNAL)

INTERNATIONAL HORTICULTURAL CONGRESS, 16th, Brussels, 1962 [Reports of the Soviet scientists] Doklady sovetskikh uchenykh Moskva, M-vo sel'skogo khoz SSSR, 1962. 402 p. [With summaries in English] (DNAL)

KONFERENTSIIA PO SEL'SKOKHOZIAISTVENNOI I POCHVENNOI MIKROBIOLOGII, Tashkent, 1961. [Soil and agricultural microbiology] Pochvennaia i sel'skokhoziaistvennaia mikrobiologiia, materialy. Tashkent, Izd-vo Akad nauk Uzbekskoi SSR, 1963. 330 p (DNAL)

KOSSOV, E G., and V V. MIL'SHTEIN. [Raising the young of semi-migratory fish] Vyrashchivanie molodi poluprokhodnykh ryb Moskva, Pishchepromizdat, 1958 76 p. (NUC)

MAKSIMOV, S A. [Weather and agriculture] Pogoda i sel'skoe khoziaistvo Leningrad, Gidrometeoizdat, 1963 201 p (DNAL)

MILLER, E. E [The setting of technical standards in the fishing industry] Tekhnicheskoe normirovanie v rybnoi promyshlennosti Moskva, Pishchepromizdat, 1961, 256 p, illus. (WaU)

MOSCOW VYSTAVKA DOSTIZHENII NARODNOGO KHOZIAISTVA SSSR, 1962. [Sugar beets as feed for cattle] Sakharnaia svekla na korm skotu, tematicheskii sbornik Moskva, [Sel'khozizdat,] 1962. 114 p. (DNAL)

[NEW DEVELOPMENTS IN DAIRY CATTLE BREEDING] Novoe v molochnom zhivotnovodstve. [Moskva] Mosk rabochii, 1963. 102 p. (DNAL)

OGIEVSKII, V.V., and N S.POPOVA [Forest nurseries and plantations] Lesnye pitomniki i kul'tury. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1954. 331 p. (Uchebniki i uchebnye posobiia dlia sel'skokhoziaistvennykh tekhnikumov) (WU)

OZHIN, F V [Artificial insemination of sheep] Iskusstvennoe osemenenie ovets. Moskva, Izd-vo M-va sel' khoz. RSFSR, 1962. 106 p. (DNAL)

PRIANISHNIKOV, D. N. [Selected works in three volumes] Izbrannye sochineniia v trekh tomakh. Moskva, Sel'khozizdat
Vol. 1 [Agricultural chemistry] Agrokhimiia. 1963 735 p
Vol 2. [Specialized agriculture (field crops)] Chastnoe zemledelie (rastenitia polevoi kul'tury) 1963. 712 p.
(DNAL)

SMIRNOV, T. E. [Where bogs used to be] Tam gde byli bolota Moskva, Izd-vo sel'khoz.lit-ry, zhurnalov i plakatov, 1963. 102 p. (DNAL)

SMIRNOV, V I [Installation and design of electrically heated greenhouses] Ustroistvo i raschet parnikov s elektricheskim obogrevom, Moskva, Otdel tekhn. informatsii VIESKha, 1958. 87 p. [MICROFILM]

SPIRIDONOV, P.V. [Operation of a machine and tractor pool on collective cotton farms] Ekspluatatsiia mashinno-traktornogo parka v khlopkovodcheskikh khoziaistvakh. Tashkent, Gos. izd-vo UzSSR, 1962. 78 p. (DNAL)

STUDENCHESKAIA NAUCHNAIA KONFERENTSIIA PO ITOGAM RABOTY ZA 1961 GOD, 1962. [Abstracts of the reports of the Student Scientific Conference on Work Results for 1961] Tezisy dokladov, Gorki, Belorusskaia sel'skoz. akad., 1962, 65 p. [DNAL MICROFILM]

SVERDLOVSK. URAL'SKII NAUCHNO-ISSLEDOVATEL'-SKII INSTITUT SEL'SKOGO KHOZIAISTVA. [Reports and communications of the Ural Scientific Research Institute of Agriculture; plant growing] Doklady i soobshcheniia...; rastenievodstvo. Pod obshchet red. M. D. Vasil'eva. Sverdlovsk, 1959, 138 p. (DNAL)

TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MEKHANIZATSII I ELEKTRIFIKATSII SEL'SKOGO KHOZIAISTVA NECHERNOZEMNOI ZONY SSSR [Transactions of the Scientific conference of 1962] Trudy nauchnoi konferentsii 1962 Pod red M. E. Matsepuro, I V V. Katys, [et al.] Gos. izd-vo sel'khoz. lit-ry BSSR, 1963 [illegible] (DNAL)

VLASIUK, P. A., and A. V. MANORIK. [Fungicides and pesticides] Obogashchennye komposty. Kiev, Izd-vo sel'khoz. lit-ry Ukrainskoi SSR, 1961. 204 p. (WU)

VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT SAKHARNOI SVEKLY. [Sugar beets] Sakharnaia svekla. Moskva, Sel'khozizdat, 1964. [illegible] p (DNAL)

ZHURBITSKII, Z. I. [Physiological and agrochemical principles underlying the use of fertilizers] Fiziologicheskie i agrokhimicheskie osnovy primeneniia udobrenii Moskva, Izd-vo Akad. nauk SSSR, 1964. 272 p (DNAL)

ZUBETS, V. M., ed. [The Minsk Swamp Experiment Station is 50 years old] Minskoi bolotnoi opytnoi stantsii 50 let. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 204 p (DNAL)

16. TECHNOLOGY

ABRAMOV, L. M., and L. M. ZHURAVSKII [Use of plastics in the manufacture of textile machinery] Primenenie plastmass v tekstil'nom mashinostroenii iz opyta proizvodstva priadil'nogo oborudovaniia Moskva, Mashgiz, 1963. 114 p.

AKADEMIIA KOMMUNAL'NOGO KHOZIAISTVA [illegible] tortila telemekhaniki. [Use of dispatcher [illegible] automatic control in municipal water works] [illegible] nye skhemy dispetcherizatsii i avtomatizatsii g[illegible] skikh vodoprovodov. Moskva, Izd-vo M-va kh[illegible] khoz, RSFSR, 1963. 97 p. diagrs. tables.

AKADEMIIA KOMMUNAL'NOGO KHOZIAISTVA [illegible] gradskii nauchno-issledovatel'skii institut [A[illegible] piesi issued reinforced-concrete roof [illegible] for the general repair of apartment houses] Al[illegible] predvaritel'no napriazhennykh zhelezobe[illegible] struktsii krysh dlia kapital'nogo remonta zhilykh domov. [Leningrad] 1962. 8, 58 p. diagrs

AKADEMIIA NAUK SSSR. [Soviet man in space] [illegible] skii chelovek v kosmose. Moskva, 1963 [illegible] stavka dostizhenii narodnogo khoziaistva [illegible]

AKADEMIIA NAUK SSSR. Institut istorii [illegible] i tekhniki. [History of technology, a bibliography, [illegible] 1951-1955] Istoriia tekhniki, bibliograficheskii [illegible] tel' 1951-1955. Pod red. V. V. Danilevskogo [illegible] Izd-vo Akad. nauk SSSR, 1962. 390 p. (NJP)

AKADEMIIA NAUK SSSR. Komitet nauchno-tekhnicheskoi terminologii. [Hydraulic drive] Gidroprivod Moskva, Izd-vo Akad. nauk SSSR.
Pt. 1. [Hydrodynamic transmissions (basic concepts, elements of hydrodynamic transmissions, hydraulic couplings, hydrodynamic transformers). Terminology] Gidrodinamicheskie peredachi (osnovnye poniatiia, elementy gidrodinamicheskikh peredach, gidromuftovaia peredacha, gidrodinamicheskie transformatory) Terminologiia. 1963, 24 p. (Sborniki rekomendatsii terminov, no. 63)

AKADEMIIA NAUK BSSR, Minsk, Fiziko-[illegible] Institut. [Physics of heat in foundry practice] Teplofizika v litejnom proizvodstve. Pod red. A I Veinika. Minsk, Izd-vo Akad. nauk BSSR, 1963 535 p.

AKADEMIIA STROITEL'STVA I ARKHITEKTURY [illegible] Institut stroitel'nykh konstruktsii. [Seismic stability of precast large-panel buildings] Seismostoikost' sbornykh krupnoelementnykh zdanii. Pod [illegible] red. S. V. Poliakova. Moskva, Gosstroiizdat, 1963 205 p.

[ALBUM OF RECOMMENDED NEW CONSTRUCTION EQUIPMENT] Al'bom novoi stroitel'noi tekhniki rekomenduemoi k vnedreniiu. Moskva, Gosstroiizdat
No. 7. [Sanitary equipment] Sanitarno-tekhnicheskoe stroitel'stvo. 1963. 94 p.

ALEKSANDROV, M. A. [Economic aspects of the use of turbodrills] Ekonomika ekspluatatsii turbobur[illegible] Moskva, Gostoptekhizdat, 1963. 94 p.

ALEKSANDROVA, A. T., and others. [Equipment for working high-melting metals in the manufacture of electron vacuum devices] Oborudovanie dlia obrabotki tugoplavkikh metallov v elektrovakuumnom proizvodstve. Moskva, Gosenergoizdat, 1963. 79 p.

ALEKSEEV, A. P., and E. E. CHEKMENEV. [Electrical machinery with carburetor engines] Elektroagregaty s karburatornymi dvigateliami. Moskva, Mashgiz, 1963. 294 p.

ALESHIN, P. A. [New technology and equipment for wool and worsted manufacture] Novaia tekhnologiia i oborudovanie sherstotkatskogo proizvodstva. Moskva, Gizlegprom, 1963. 194 p.

ANTSUPOV, P. A. [Volunteer offices of technical information] Obshchestvennye biuro tekhnicheskoi informatsii. [Lipetsk] Lipetskoe knizhnoe izd-vo, 1963. 18 p.

ANUCHKIN, M. P. [Stability of welded pipelines] Prochnost' svarnykh magistral'nykh truboprovodov. Moskva, Gostoptekhizdat, 1963. 195 p.

ARENSON, R. I. [Oil-field machinery and mechanisms] Neftepromyslovye mashiny i mekhanizmy. Moskva, Gostoptekhizdat, 1963. 436 p.

ARKHIPOV, B. A., and others. [Wood processing at the Bratsk Woodworking Combine] Podgotovka drevesiny na Bratskom lesopromyshlennom komplekse. Moskva, Tsentral'nyi nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniia po lesnoi, tsellulozno-bumazhnoi derevoobrabatyvaiushchei promyshl. i lesnomu khoz., 1963. 22 p.

[MICROFILM]

ARTSYBASHEV, V. A. [Concise manual for determining the density of rocks and ores by the method of gamma ray attenuation] Kratkoe rukovodstvo po opredeleniiu plotnosti porod i rud metodom oslableniia gamma-luchei. Moskva, Gosgeoltekhizdat, 1963. 57 p.

AVAEV, S. A., and others. [Automatization of technological processes in the cotton industry] Avtomatizatsiia tekhnologicheskikh protsessov khlopchatobumazhnoi promyshlennosti. Pod obshchei red. S. A. Avaeva. Moskva, Gizlegprom, 1963. 279 p.

AVROV, P. IA., and L. G. KOSMACHEVA. [Geological structure and prospects for finding oil and gas in the Ural Mountain portion of Aktyubinsk Province and the western part of the Mugodzhar Hills] Geologicheskoe stroenie i perspektivy neftegazonosnosti Aktiubinskogo Priural'ia i Zapadnogo Primugodzhar'ia. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 162 p.

BADALOV, A. F. [Protection from heat radiation] Zashchita ot teplovykh izlucheniĭ. Moskva, Metallurgizdat, 1963. 56 p. (Bibliotechka po okhrane truda v metallurgii)

BABKOV, V. F., ed. [Survey and design of airports] Izyskaniia i proektirovanie aerodromov. [By] A. Moglievskii i dr. Izd. 2. Moskva, Avtotransizdat, 1963. 703 p.

BASHNEFT', OB"EDINENIE. [Experience in equipping oil fields of Bashkiria to be exploited without derricks] Opyt ustroistva neftianykh promyslov Bashkirii dlia bezvyshechnoi ekspluatatsii. [n. p.] 1963. 23 p. (Vystavka dostizhenii narodnogo khoziaistva SSSR)

BATASHOV, N. N., E. M. KURNEV, and P. F. OSIPOV. [Preparation, treatment, and cleaning of clay solutions, practices of petroleum workers in Kuybyshev Province] Prigotovlenie, obrabotka i ochistka glinistykh rastvorov; opyt neftianikov Kuibyshevskoi oblasti. Moskva, Gostoptekhizdat, 1963. 80 p. [Cover title: Prigotovlenie glinistykh rastvorov]

BELAN, F. I. [Feed water purification] Vodopodgotovka. Izd. 2., perer. Moskva, Gosenergoizdat, 1963. 319 p.

BEN', T. G., I. V. ZDORNOV, and I. S. KAGAN. [Economical rolled sections] Ekonomichnye profili prokata. Moskva, Metallurgizdat, 1963. 163 p.

BESPALOV, N. G., and V. A. SHILOV. [Reinforced automatic coupling system] Usilennoe avtostsepnoe ustroistvo. Pod red. I. N. Novikova. Moskva, Transzheldorizdat, 1963. 28 p. (Dostizheniia nauki i tekhniki v proizvodstvo)

BETEKHTIN, G. A., and V. P. NOVIKOV. [Use of removable twine healds in the handlooming of rugs] Primenenie s"emnykh nitianykh galev i remiza v ruchnom kovrotkachestve. [Moskva] Gosmestpromizdat, 1962. 5p.

[MICROFILM]

BIKKE, R. P., and A. I. VOROB'EV. [Decoration and serving of food] Oformlenie i otpusk blud. Moskva, Gostorgizdat, 1963. 135 p. (Biblioteka povara)

BIRGER, I. A. [Residual stresses] Ostatochnye napriazheniia. Moskva, Mashgiz, 1963. 231 p.

BRUK, V. A., V. V. GARSHENIN, and A. I. KURNOSOV. [Manufacture of transistor devices] Proizvodstvo poluprovodnikovykh priborov. Moskva, Proftekhizdat, 1963. 295 p.

BURKOVSKII, E. S., and others. [Signaling of damages in overhead electric-power distribution networks] Telesignalizatsiia povrezhdenii v vozdushnykh raspredelitel'nykh setiakh, energetika. Riga, TSentr. biuro tekhn. informatsii, 1962. 10 p. (Listok tekhnicheskoi informatsii)

BURMAZOV, V. A. [Manual for the operator of the KKU-7, 5 and KKU-10 gantry cantilever cranes] Rukovodstvo mashinistu kozlovykh konsol'nykh kranov KKU-7, 5 i KKU-10. Moskva, Goslesbumizdat, 1963. 138 p.

BURSHTEIN, I. E. [High-production methods of gear chamfering] Vysokoproizvoditel'nye metody zubozakruglenila. Moskva, Mashgiz, 1963. 173 p.

BYKHOVSKII, IA. L. [Principles of the theory of high-frequency telecommunication using overhead power transmission lines] Osnovy teorii vysokochastotnoi sviazi po linifam elektroperedachi. Moskva, Gosenergoizdat, 1963. 182 p.

BYLLO, G. I., and others. [Technical information; production on movable stands of prestressed reinforced-concrete beams, transportable in one piece, with a span of 33, 5 m, for railroad loads] Tekhnicheskaia informatsiia; izgotovlenie na podvizhnykh stendakh tsel'noperevozimykh zhelezobetonnykh predvaritel'no napriazhennykh balok proletnykh stroenii proletom 33, 5 m pod zheleznodorozhnuiu nagruzku (opyt Mostootriada-10 ordena Lenina Mostotresta). Moskva, Orgtransstroi, 1963. 20 p.

[MICROFILM]

CHERKASSKII, E. B., and B. V. ALEKSEEV. [Utilization of stationary diesel engines at grain elevators and grain-receiving stations] Ekspluatatsiia statsionarnykh dizelei na elevatorakh i khleboprieminykh punktakh. Pod red. I. L. Krapivnera. Moskva, Zagotizdat, 1962. 162 p.

CHERNENKO, L. D., and IA. G. SHTEPAN. [Mechanization of hoisting and conveying in industrial enterprises abroad] Mekhanizatsiia pod"emno-transportnykh rabot promyshlennykh predpriiatii, zarubezhnyi opyt. Kiev, In-t tekhn. informatsii, 1963. 304 p.

CHIRKIN, A. P., and I. I. REZNIK. [Diesel-engine fuel systems] Dizel'naia toplivnaia apparatura, spravochnik. Moskva, Mashgiz, 1963. 169 p.

CHIRKOV, IA. N. [Ribbed reinforced-concrete floors and roofs] Zhelezobetonnoe rebristoe perekrytie; uchebnoe posobie po kursovomu proektirovaniiu. Leningrad, Leningr. politekhn. in-t, 1962. 167 p.

CHKALOVA, O. E., comp. [Our Chka
Nash Chkalov, sbornik vospominanii
dlia gvardiia, 1963. 302 p.

CHUDNOVSKII, A. F. [Use of transis
Primenenie poluprovodnikov v sel's
Leningrad, Leningr. dom nauchno-t
1963. 47 p. (Serila: "Poluprovodnik

CHUKAEV, D. S. [Electrical equipme
establishments] Elektricheskoe obo
priiatii obshchestvennogo pitaniia,
dat.
Pt. 1. 1963. 232 p.

[CORROSION AND IRRADIATION] Kor
nie. [By] V. V. Gerasimov i dr. M
dat, 1963. 267 p.

DANCHICH, V. V., and V. D. ALEKSE
temporary supports during horizont
mining operations] Opyt primenent
krepi pri provedenii gorizontal'nykh
gornykh vyrabotok; obzor. Moskva
tekhn. informatsii ugol'noi promysl
(Serila: "Tekhnika bezopasnosti i g
delo.")

[M

DANILEVICH, IA. B., and E. G. KASHARSKII. [Additional losses in electrical machines] Dobavochnye poteri v elektricheskikh mashinakh. Moskva, Gosenergoizdat, 1963. 213 p.

DAVANKOV, A. B. Grigorii Semenovich Petrov. Moskva, Izd-vo Mosk. khimiko-tekhnologicheskogo in-ta, 1959. 31 p.

[MICROFILM]

DAVIDOVICH, P. IA., E. S. KORENTSVIT, and A. M. LUCHSHEV. [Earthwork and preparatory operations in the construction of pipelines] Zemlianye i podgotovitel'nye raboty na stroitel'stve magistral'nykh truboprovodov. Moskva, Gostoptekhizdat, 1963. 148 p.

DEBIE, N. G. [Petroleum chemical technology, processes of petroleum chemical synthesis. Translated from the Rumanian] Neftekhimicheskaia tekhnologiia, protsessy neftekhimicheskogo sinteza. Pod red. I. B. Rapoporta. Moskva, Gostoptekhizdat, 1963. 531 p.

DEMURA, M. V. [Horizontal settling tanks] Gorizontal'nye otstoiniki. Kiev, Gosstroizdat USSR, 1963. 53 p.

DENSHCHIKOV, M. T. [Present-day state of the brewing industry in Czechoslovakia] Sovremennoe sostoianie pivovarennoi promyshlennosti Chekhoslovakii. Moskva, Pishchepromizdat, 1963. 139 p.

DOBRIAKOVA, L. I., and others. [Industrial finishing of buildings] Industrial'naia otdelka zdanii. Moskva, Gosstroizdat, 1963. 106 p.

DOBRYNIN, E. M., and P'ANG CHUNG-CHÊNG. [Problems of dynamic precision of devices for the automatic checking of dimensions] Voprosy dinamicheskoi tochnosti priborov avtomaticheskogo kontrolia razmerov. Moskva, Mashgiz, 1963. 247 p.

DONCHENKO, A. S. [Cast stones in industry] Kamennoe lit'e v promyshlennosti. Alma-Ata, Kazgospolitizdat, 1962. 24 p.

DROZDOV, N. G., and N. V. NIKULIN. [Study of electric engineering materials] Elektrotekhnicheskoe materialovedenie. 2., perer. i dop. izd. Moskva, Proftekhizdat, 1963. 349 p.

[ELECTRICIAN'S MANUAL IN TWO VOLUMES] Spravochnik elektrotekhnika v dvukh tomakh. Pod obshchei red. A. D. Smirnova. Moskva, Gosenergoizdat.
Vol. 2. No 1. [High-voltage apparatus] Apparatura vysokogo napriazheniia. 1963. 104 p.

ERMAKOV, A. P., and A. G. SYRMAI. [Atomic energy and transportation] Atomnaia energiia i transport. Moskva, Izd-vo Akad. nauk SSSR, 1963. 119 p. (Akademiia nauk SSSR. Nauchno-populiarnaia seriia)

FEDOROV, S. A. [Deepening of mine shafts] Uglubka stvolov shakht. Izd. 3., perer. i dop. Moskva, Gosgortekhizdat, 1963. 245 p.

GAGARIN, IU. A. [Road into space; story of an astronaut-flier of the U. S. S. R.] Doroga v kosmos; rasskaz letchika-kosmonavta SSSR. Moskva, Detgiz, 1963. 303 p. illus.

GALOCHKIN, N. P. [Electric p

GERASIMOV, S. M., I. N. MIGULIN, and V. N. IAKOVLEV. [Fundamentals of the theory and design of transistor circuits] Osnovy teorii i rascheta tranzistornykh skhem. Moskva, Izd-vo "Sovetskoe radio," 1963. 663 p.

GORELOVA, G. I., V. I. REMIZOV, and P. N UKHIN [Principles of radio engineering and radio-television systems] Osnovy radiotekhniki i kinoradiooustanovki. Moskva, Izd-vo "Iskusstvo," 1963. 294 p.

GORIZONTOVA, E. A. [Processing of poultry in the enterprises of the German Democratic Republic] Pererabotka ptitsy na predpriiatiiakh GDR. Moskva, TsINTIpishchprom, 1963. 13 p.
[MICROFILM]

GOSUDARSTVENNYI KOMITET PO ELEKTROTEKHNIKE PRI GOSPLANE SSSR. [Regulations for the manufacture of explosionproof electrical equipment] Pravila izgotovleniia vzryvozashchishchennogo elektrooborudovaniia. Izd. 2., dop. Moskva, Gosenergoizdat, 1963. 93 p.

GOSUDARSTVENNYI PROEKTNO-KONSTRUKTORSKII I NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PO OBOGASHCHENIIU I BRIKETIROVANIIU UGLEI. [Technological trends in coal preparation] Tekhnicheskie napravleniia obogashcheniia uglei. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1963. 120 p.

GURBO, A. I., and others. [How to make children's clothes at home] Kak samim sshit' detskuiu odezhdu. Minsk, Gos. izd-vo BSSR, 1959. 288 p.
(OCl)

GUTKIN, L. S., V. L. LEBEDEV, and V. I. SIFOROV. [Radio receiving devices] Radiopriemnye ustroistva. Pod red. V. I. Siforova. Moskva, Sovetskoe radio.
Pt. 2. 1963. 399 p.

[HANDBOOK FOR MECHANICAL ENGINEERS IN SIX VOLUMES] Spravochnik mashinostroitelia v shesti tomakh. Red. sovet: N. S. Acherkan i dr. Moskva, Mashgiz.
Vol. 5. Book 1. Pod red. E. A. Satel'. Izd. 3., ispr. i dop. 1963. 451 p.

[HANDBOOK ON MUNICIPAL ELECTRIC NETWORKS AND SUBSTATIONS] Spravochnik po gorodskim elektricheskim setiam i podstantsiiam. [By] V. B. Atabekov i dr. Moskva, Izd-vo MKKh RSFSR, 1963. 550 p.

IAKOVLEV, V. F. [Measurement of strains and stresses in machine parts] Izmerenie deformatsii i napriazhenii detalei mashin. Izd. 2., ispr. i perer. Moskva, Mashgiz, 1963. 191 p.

IBRAGIMOV, M. I. [Creative search] Tvorcheskie poiski. Iuzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1963. 19 p. (Shkola peredovogo opyta)
[MICROFILM]

IGNATOV, A. A., and V. I. VLASOV. [Clutches, brakes, and control mechanisms for crank press forging machines] Mufty, tormoza i mekhanizmy upravleniia krivoshipnykh kuznechno-pressovykh mashin. Moskva, Mashgiz, 1963. 446 p.

IL'IN, A. P. [Tables of elevation for use in the topographic levelling of the surveying base] Tablitsy prevyshenii k topograficheskomu nivelirovaniiu s"emochnogo obosnovaniia. Alma-Ata, Kazakhskii sel'khoz. in-t, 1961. 200 p.

ILISAVSKII, IU. V. [Transistor tensiometers] Poluprovodnikovye tenzometry. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1963. 40 p. (Serila: "Poluprovodniki," no. 6)

[IN THE MAIN DIRECTION] Na glavnom napravlenii. [By] A. N. Dudko i dr. [Moskva] Moskovskii rabochii, 1963. 164 p.

INTERNATIONAL ELECTROTECHNICAL COMMISSION Mezhdunarodnyi elektrotekhnicheskii slovar'. International electrotechnical vocabulary. Moskva, Fizmatgiz.
Group 11. Staticheskie preobrazovateli. Static convertors. 1963. 75 p.

IVAKHNENKO, A. G. [Self-teaching systems with positive feedback] Samoobuchaiushchiesia sistemy s polozhitel'nymi sviaziami; spravochnoe posobie. Kiev, Izd-vo AN USSR, 1963. 327 p.

IVANOV, K. V. [Technological and hydraulic calculations in water-supply systems] Tekhnologicheskie i gidravlicheskie raschety po vodosnabzheniiu. Minsk, Izd-vo M-va vysshego srednego spetsial'nogo i professional'nogo obrazovaniia BSSR
Pt. 1. [Water-supply network and its structures] Vodoprovodnaia set' i sooruzheniia na seti. 1963. 300 p.

KAGAN, V. N., and V. I. SHCHUKIN. [Gas welding and cutting in construction] Gazovaia svarka i rezka v stroitel'stve. Moskva, Gosstroiizdat, 1963. 113 p.

KALININ, A. G. [Deflection of boreholes] Iskrivlenie burovykh skvazhin. Moskva, Gostoptekhizdat, 1963. 307 p.

KANTSEPOL'SKII, A. S. [Album of Persian lamb and krimmer skins] Al'bom karakulia i smushki. Moskva, Zagotizdat, 1962. 157 p. illus.

KAPLAN, A. B. [Cybernetics in railroad transportation] Kibernetika na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1963. 66 p. (V pomoshch' izuchaiushchim ekonomiku zheleznodorozhnogo transporta)

KARPOV, B. D. [Work hygiene in industrial painting] Gigiena truda pri malliarnykh rabotakh. Leningrad, Medgiz, 1963. 38 p. (Nauchno-popularnaia meditsinskaia literatura)

KASHIRINA, V. M. [Manufacture of meat products in Czechoslovakia] Proizvodstvo miasnykh produktov v Chekhoslovakii. Moskva, TsINTIpishcheprom, 1963. 47 p.
[MICROFILM]

KATKOV, F. A. [Theoretical principles of remote control] Teleupravlenie; osnovy teorii. Kiev, Gostekhizdat USSR, 1963. 231 p.

KAZACHKOV, D. L. [Mechanization of the preparation and copying processes of technical documentation] Mekhanizatsiia izgotovleniia i razmnozheniia tekhnicheskoi dokumentatsii. Leningrad, 1963. 34 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Serila: Mekhanizatsiia inzhenernogo i upravlencheskogo truda, no. 2)

KHRIZMAN, S. S. [Digital measuring instruments] TSifrovye izmeritel'nye pribory. Kiev, Izd-vo Akad. nauk USSR, 1963. 86 p. (Spravochnaia serila po novoi tekhnike)

KOBRINSKII, N. E., and V. D. PEKELIS. [Faster than thought] Bystree mysli. [Moskva] Molodaia gvardiia, 1963. 469 p.

KOROBCHENKO, A. A. [Krasnoyarsk Sea; a popular sketch] Krasnoiarskoe more, populiarnyi ocherk. [Krasnoiarsk] Krasnoiarskoe knizhnoe izd-vo, 1961. 40 p.
(WaU)

KOROSTASHEVSKII, R. V., and A. M. ZAITSEV. [Antifriction bearings used in airplane construction] Aviatsionnye podshipniki kacheniia. Pod red. R. V. Korostashevskogo. Moskva, Oborongiz, 1963. 330 p.

KOROTEN, I. M., and G. F. SGIBNEV. [Specialist in the heat treatment of metals] Termist. Moskva, Profizdat, 1963. 279 p.

KORSHUN, L. L., and others. [Finishing veneerless particle boards] Otdelka nefanerovannykh struzhechnykh plit. Moskva, TSentr. nauchno-issledovatel'skii in-t informatsii i tekhniko-ekon. issledovanii po lesnoi tsellIulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoz. 1963. 22 p. (Derevoobrabotka)
[MICROFILM]

KOS'KOV, B. I., and K. P. PAVLOV. [Manual for the realization of plans and building of towns and settlements] Rukovodstvo po perenosu proektov planirovki i zastroiki gorodov i poselkov v natury. 2. izd., ispr. i dop. Moskva, Gosgeoltekhizdat, 1963. 261 p.

KRASNOIARSKII, V. V., R. P. NOSOV, and G. IA. FRENKEL'. [Corrosion and the protection of metal parts of hydraulic engineering structures] Korroziia i zashchita metallokonstruktsii gidrotekhnicheskikh sooruzhenii. Moskva, Gosenergoizdat, 1963. 198 p.

KREMLEVSKII, P. P. [Flowmeters] Raskhodomery. Izd. 2., perer. i dop. Moskva, Mashgiz, 1963. 655 p.

KUCHERUK, V. V. [Removal of dust from ventilation air] Ochistka ventiliatsionnogo vozdukha ot pyli. Moskva, Mashgiz, 1963. 142 p.

KUGENEV, P. V. [Dairying] Molochnoe delo. Moskva, Sel'khozizdat, 1963. 318 p. (Uchebniki i uchebnye posobiia dlia sel'skokhoziaistvennykh tekhnikumov)

KUKHARKIN, E. S., and B. V. SESTRORETSKII. [Electrical strength of wave guides] Elektricheskaia prochnost' volnovodnykh ustroistv. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 451 p.

KULAGIN, M. I., and others. [Rail corrugation] Volnistyi obraznyi iznos rel'sov. Pod red. E. V. Ovechinikova. Moskva, Izd-vo kommun. khoz. RSFSR, 1963. 177 p.

KUMSKOV, A. I., and A. N. POKALIUK. [Fuel and combustion processes] Toplivo i protsessy gorenila. Moskva, Transzheldorizdat, 1963. 191 p.

KUTOVSKII, M. IA., and V. IA. LIVSHITS. [Recovery of organic solvents in dyeing with nitrocellulose enamel dyes] Rekuperatsiia organicheskikh rastvoritelei pri okraske nitroemaliami; stenogramma lektsii. Leningrad, 1962. 35 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serila: Zashchitnye pokrytiia)

LENINGRAD VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PO MASHINAM DLIA PROMYSHLENNOSTI STROITEL'NYKH MATERIALOV. [Reports on the technical level of the manufacture of reinforced-concrete products] Sbornik dokladov ob urovne tekhniki proizvodstva zhelezobetonnykh izdelii. Informatsionnyi material. Leningrad, Otdel tekhn. informatsii.
No. 3. 1959. 81 p.
[MICROFILM]

LEONT'EV, N. N. Vasilii Zakharovich Vlasov. Moskva, Gosstroiizdat, 1963. 73 p.

LEV, A. IU. [Wire broadcasting amplifiers] Usiliteli provodnoi sviazi. Moskva, Sviaz'izdat, 1963. 312 p.

LEVIN, M. I. [Cybernetics in our lives] Kibernetika vkhodit v zhizn', beseda o knigakh. Nauchn. red. L. P. Kraizmer. Leningrad, Publichnaia biblioteka, 1962. 15 p. (Na temy dnia, no. 4)

LEVIN, S. I. [Prevention of breaks and the repair of underwater pipelines] Preduprezhdenie avarii i remont podvodnykh truboprovodov. Moskva, Gostoptekhizdat, 1963. 183 p.

LEVINA, G. S. [Modern unit of the Groznyy Cracking Plant] Peredovaia ustanovka Groznenskogo krekingzavoda. Moskva, TsNIITEIneftegaz, 1963. 19 p.

LIPKOV, I. A. [Technology of the manufacture of knit goods] Tekhnologiia trikotazhnogo proizvodstva. Izd. 2., perer. i dop. Moskva, Gizlegprom, 1963. 450 p.

LISETSKII, N. L. [High-power gas turbines] Gazovye turbiny bol'shoi moshchnosti. Pod red. L. A. Shubert. Shubina. Moskva, Mashgiz, 1963. 89 p.
[MICROFILM]

LIVSHITS, N. A., and V. N. PUGACHEV. [Probability theory in the analysis of automatic control systems] Veroiatnostnyi analiz sistem avtomaticheskogo upravleniia. Moskva, Izd-vo "Sovetskoe radio."
Vol. 2. [Nonlinear systems. Discrete systems] Nelineinye sistemy. Sistemy diskretnogo deistviia. 1963. 482 p.

LOGINOV, V. S. [Nonmetal gas pipelines] Nemetallicheskie gazoprovody. Moskva, Gostoptekhizdat, 1963. 238 p.

MAKOVETSKII, P. S. [From coal, petroleum, and gas] Iz uglia nefti i gaza. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963. 106 p. (Nauchno-popularnaia literatura)

MALININ, R. M. [Output transformers] Vykhodnye transformatory. Moskva, Gosenergoizdat, 1963. 31 p. (Massovaia radiobiblioteka. Spravochnaia serila, no. 471)

SEV, V.F. [Impulsive speed variators] Impul'-nye variatory. Izd. 2., ispr i dop Moskva, Shgiz, 1963 276 p.

AL FOR ELECTRICIANS OF INDUSTRIAL ENTER-SES] Spravochnik elektrika promyshlennykh pred-ati. Sost L.B Geller Minsk, Gos. izd-vo R, 1963. 567 p

UAL ON LABOR PROTECTION, SAFETY ENGI-ERING AND INDUSTRIAL HYGIENE IN THE FOOD DUSTRY, collection of decrees, regulations and ons in three volumes] Spravochnik po okhrane da, tekhnike bezopasnosti i proizvodstvennoi sanita v pishchevoi promyshlennosti, sbornik postanovi, pravil i norm v trekh tomakh. Moskva, khchepromizdat.
Vols. 2-3. 1963.

NEV, M.M., and others. [Theory of mechanisms machines and machine parts] Teoriia mekhanizmov i mashin. [Vladimir] Rosvuzizdat, 1963. 416 p

OV, L., R.BIKKE, and M.RKLITSKII [Fish hes] Rybnye bliuda. Moskva, Gos. izd-vo torgovoi ry, 1958. 143 p. (Biblioteka povara) (WaU)

EEV, B.V. [Drying walls by electroosmosis] hka sten metodom elektroosmosa. Kiev, Gos-oizdat USSR, 1963. 74 p.

EEV, L.T., and P.I.SMIRNOV. [Principles of ation meteorology] Osnovy aviatsionnoi meteorolo-. Odobreno Glavnym Shtabom Voenno-Vozdushnykh v kachestve uchebnogo posobiia dlia kursantov atsionnykh uchilishch i shkol VVS Sovetskoi Armii. skva, Voenizdat, 1955. 334 p.

CHUKOV, A.E., V.V.OVSEENKO, and N.P.PUT-C. [Preliminary planning of electric power transmission line routes] Predvaritel'nye izyskaniia trass li elektroperedachi. Moskva, Gosenergoizdat, 63. 222 p.

RESPUBLIKANSKAIA NAUCHNAIA SESSIIA PO VOENIIU PUSTYNNYKH TERRITORII SREDNEI I I KAZAKHSTANA, Ashkhabad, 1962. [Materials sented at the Interrepublic Scientific Session on the claiming of the Desert Areas of Central Asia and zakhstan] [Materialy dolozhennye na sessii] khabad, Izd-vo Akad. nauk TSSR,
[Book 1.] [Natural conditions, animal husbandry, and feed supply of the desert] Prirodnye usloviia, zhivotnovodstvo i kormovaia baza pustyn', 1963. 485 p.
[Book 2.] [Land and water resources of the desert and their utilization] Zemel'no-vodnye resursy pustyn' i ikh ispol'zovanie, 1963. 178 p.

EVA, A.L. [Built-in furniture] Vstroennaia el'. Moskva, Goslesbumizdat, 1963. 143 p.

ILOV, V.V. [Prestressed concrete structures, ory, design and selection of sections] Predvaritel'-napriazhennye zhelezobetonnye konstruktsii, teoriia, chet i podbor sechenii. Moskva, Gosstroiizdat, 3. 606 p.

AILOVICH, A.M. [Lecture on a course in "Boiler stems", boiler equipment] Lektsiia po kursu otel'nye ustanovki"] armatura kotel'nykh agregatov. skva, Vses. zaochnyi energ. in-t, 1962. 72 p. [MICROFILM]

ANOVSKII, V.N. [Electromagnetic defectoscopy constant and variable fields] Elektromagnitnaia ektoskopiia v postoiannom i peremennom pole. ar'kov, Izd-vo Gos. univ. 1963. 57 p.

ASHEVSKAIA, A.V. [Automation of radio measments] Avtomatizatsiia radiotekhnicheskikh izmeii. Moskva, Redaktsionno-izdatel'skii otdel EIS,
Pt. 2. [Antenna measurements] Antennye izmerenila, 1963. 34 p. [MICROFILM]

N'KII, V.D. [Designs and estimates in the conuction of means of transportation] Proekty i smety ransportnom stroitel'stve. Moskva, Transzheldorat, 1963. 58 p. (V pomoshch' izuchaiushchim okretnuiu ekonomiku)

I TRAKTORNYI ZAVOD. [The "Belarus'" Z-50 tractor] Traktor "Belarus'" MTZ-50; ovodstvo po ekspluatatsii i ukhodu. Minsk, Gos. vo sel'khoz. lit-ry BSSR, 1963. 368 p. diagr.

MIRZOEV, S.M. [Multipurpose attachments with interchangeable parts used in the manufacture of machinery] Universal'no-sbornye prisposobleniia v mashinostroenii Minsk, Gos izd-vo BSSR, 1963. 137 p.

MITROVICH, V.P. [Study of friction between polyamides and steel] Issledovanie trenila poliamidov po stali. Moskva, Izd-vo Akad. nauk SSSR, 1963. 94 p

MOGIL'NYI, I.M. [Mechanical drawing] Tekhnicheskoe cherchenie. Izd. 7., perer Moskva, Mashgiz, 1963 320 p.

MORAVSKII, V.E. [Condenser discharge welding] Svarka akkumulirovannoi energiei Kiev, Gostekhizdat, USSR, 1963. 207 p.

MOSCOW, GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT LITEINOGO MASHINOSTROENIIA I LITEINOI TEKHNOLOGII [Foundry equipment, a catalog] Liteinoe oborudovanie, katalog. Moskva, Mashgiz, 1963. 242 p.

MOSCOW INSTITUT GORNOGO DELA IMENI A.A. SKOCHINSKOGO. [Mechanical properties of rocks] Mekhanicheskie svoistva gornykh porod. Moskva, Izd-vo Akad nauk SSSR, 1963. 169 p.

MOSCOW, INSTITUT GORNOGO DELA IMENI A.A. SKOCHINSKOGO. [Ore dressing and coal preparation] Obogashchenie rud i uglei. Moskva, Izd-vo Akad, nauk SSSR, 1963. 210 p.

MOSCOW, INSTITUT GORNOGO DELA IMENI A.A. SKOCHINSKOGO, [Rock pressure and the lining of vertical shafts] Gornoe davlenie i krep' vertikal'nykh stvolov. Pod red. L.D. Shevinkova. Moskva, Gosgortekhizdat, 1963. 211 p.

MOSCOW, INZHENERNO-EKONOMICHESKII INSTITUT. [Fundamentals of building, masonry and facing work] Osnovy stroitel'nogo proizvodstva, kamennye i oblitsovochnye raboty. Uchebnoe posobie po kursu "Tekhnologiia stroitel'nogo proizvodstva." Moskva, 1962. 174 p.

MOSCOW, TSENTRAL'NYI INSTITUT INFORMATSII TSVETNOI METALLURGII. [Possible areas for the use of scandium] Vozmozhnye oblasti primeneniia skandiia. Moskva, 1963. 47 p. (Metallurgiia redkikh metallov)
[MICROFILM]

MOSCOW, TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII LEGKOI PROMYSHLENNOSTI. [Improving the cementing process of assembly in shoe manufacture] Sovershenstvovanie kleevykh metodov krepleniia v obuvnom proizvodstve. Moskva, 1963. 52 p.
[MICROFILM]

MOSCOW, TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PISHCHEVOI PROMYSHLENNOSTI. [Technological information; advanced practices of Leningrad Bakery No. 16] Tekhnicheskaia informatsiia; peredovoi opyt Leningradskogo khlebozavoda, no. 16 [Moskva, 1963] 25 p.
[MICROFILM]

MOSCOW, VSESOIUZNAIA VYSTAVKA KHUDOZHESTVENNOI FOTOGRAFII, 1960. Dni i liudi. Times and people. Moskva, Iskusstvo, 1962. 1 v. chiefly illus. [Cover title: Semiletka v deistvii] (MH)

MOSCOW, VSESOIUZNYI NAUCHNO-SKII INSTITUT ELEKTRIFIKATSII KHOZIAISTVA. [Zaporozh'ye Bran Scientific Research Institute of Agr cation] Zaporozhskii filial VIESKh, Zaporozh'e, o. Khortitsa, 1961. 16 [M

MOSCOW, VSESOIUZNYI NAUCHNO-SKII INSTITUT GIDROGEOLOGII I GEOLOGII. [Problems of regional geology] Voprosy regional'noi inzl Moskva, 1963. 85 p. [MI

MOSCOW, VSESOIUZNYI NAUCHNO SKII INSTITUT MEKHANIZATSII S ZIAISTVA. [Results of research v the working speed of tractor-driver 9-15 km per hour] Itogi nauchno-i rabot po povysheniiu rabochikh sko traktornykh agregatov do 9-15 km/ 1963. 194 p.
[

MOSCOW VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'-SKII INSTITUT POD"EMNO-TRANSPORTNOGO MASHINOSTROENIIA [New and proposed hoisting and conveying machines and mechanisms] Novye i perspektivnye pod"emno-transportnye mashiny i mekhanizmy Moskva,
Nos 2-3. 1960. 237 p
[MICROFILM]

MOSCOW, VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'-SKII INSTITUT POLIGRAFICHESKOI PROMYSHLENNOSTI. [Technological instructions for photoengraving processes] Tekhnologicheskie instruktsii po fotocinkografskim protsessam Moskva, Izd-vo "Iskusstvo," 1963. 223 p.

MOSCOW, VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'-SKII INSTITUT ZERNA I PRODUKTOV EGO PERERABOTKI. [Methodological instructions on determining the technological characteristics of wheat] Metodicheskie ukazaniia po opredeleniiu tekhnologicheskikh svoistv zerna pshenitsy Moskva, 1963. 60 p. [MICROFILM]

MOSCOW, VSESOIUZNYI PROEKTNO-IZYSKATEL'SKII I NAUCHNO-ISSLEDOVATEL'SKII INSTITUT "GIDROPROEKT" IMENI S.IA. ZHUK. [Volga Hydroelectric Power Station (22d Congress of the CPSU), album of engineering drawings] Volzhskaia gidroelektrostantsiia imeni XXII s"ezda KPSS, al'bom chertezhei Moskva, Gosenergoizdat,
Pt. 2 [Organization and the carrying out of installation and construction operations] Organizatsiia i proizvodstvo stroitel'no-montazhnykh rabot. 1963 74 p.

MOSCOW, VSESOIUZNYI PROEKTNO-TEKHNOLOGICHESKII INSTITUT. [Mastering the founding of crankshafts from cast iron with spheroidal graphite] Osvoenie otlivki kolenchatykh valov iz chuguna so sferoidal'nym grafitom, opyt Kolomenskogo parovozostroitel'nogo zavoda im. Kuibysheva. Moskva, Mashgiz, 1954. 15 p. (Obmen tekhnicheskim opytom, no. 13)

MOSKOVSKII AVTOMOBIL'NYI ZAVOD. [Catalog of parts for the ZIL-130 and ZIL-130G two-axle motor-trucks the ZIL-130Al tractor, the ZIL-130V1 saddle tractor, the ZIL-MMZ-555 dump truck, and the ZIL-130B chassis for the ZIL-MMZ-554 dump truck] Katalog detalei dvukhosnykh avtomobilei ZIL-130 i ZIL-130G, avtomobilia-tiagacha ZIL-130Al, sedel'nogo tiagacha ZIL-130V1 avtomobilia-samosvala ZIL-MMZ-555 i shassi ZIL-130B dlia avtomobilia-samosvala ZIL-MMZ-554. Moskva, Mashgiz, 1963. 265 p.
___ ___ ___ [Album of drawings] Al'bom figur. 80 p.

MOSTKOV, M.A. [Elements of the theory of water supply] Elementy teorii vodosnabzheniia. Tbilisi, Izd-vo Akad nauk Gruzinskoi SSR, 1963. 139 p

MURAV'EV, K.N., and I.K.MURZIN. [Repair of machine tools] Remont metallorezhushchikh stankov, Izd. 3., perer. i dop. Moskva, Mashgiz, 1963. 302 p.

MUTSENEK, K.IA., and E.Z.ROZENTAL'. [Use of magnetic methods in assembly work] Primenenie magnitnykh metodov pri sborke izdelii. Leningrad, 1963 16 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Mekhanicheskaia obrabotka metallov, no. 11)

NAMIOT, A.IU., and M.M. BONDAREVA. [Solubility of gases in water under pressure] Rastvorimost' gazov

A Po

OVE Hoyle Sno, S P [Safety measures in ammonia ... refrigerator plants] Tekhnika bezopasnosti ... prakticheskoe posobie po ... Moskva, Gostorgizdat, 1963. 104 p.

ORLOV, V. V., and I. V. YAKOVLEV. [Simple transistor testers] Prostye ... pribory, dlia ... Moskva, Gosenergoizdat, 1963. 63 p. (Massovaia radiobiblioteka, no. 477)

OVODOV, V. S. [Semi-mechanized filter for rural water supply] Vodoochistitel'naia malomekhanizirovannaia ustanovka ... Moskva, Selkhozgiz, 1963. 94 p.

PARSEV, V. G. [Mechanization and automation of installation and assembly operations in the radio industry] Mekhanizatsiia i avtomatizatsiia montazhno-... v radioelektronnom proizvodstve. Leningrad, Lenizdat, 1963. 64 p. (Seriia: Polupravodniki, no. 11)

[MICROFILM]

PASYNKOV, V. V., and IU. T. OKUNEV. [Nonlinear semiconductor resistors (varistors)] Nelineinye poluprovodnikovye soprotivleniia (varistory). Leningrad, Lenizdat, 1963. 34 p. (Seriia: Poluprovodniki, no. 11)

PAVLYUCHENKO, V. D., and others. [Reliability of radio electronic [portion]. Nadezhnost' radioelektronnoi apparatury. Pod obshchei red. A. S. Grunicheva. Moskva, Izd-vo Sovetskoe radio, 1963. 143 p.

PERM. POLITEKHNICHESKII INSTITUT. Kafedra giroskopicheskikh priborov i ustroistv. [Physical fundamentals of inertial navigation, manual for students specializing in "Gyroscopic instruments and devices"] Fizicheskie osnovy inertsial'noi navigatsii, posobie dlia studentov spetsial'nosti "Giroskopicheskie pribory i ustroistva." Perm'.
Pt. 2. 1963. 55 p.

[MICROFILM]

PETROV, D. A., ed. [New data on the production of single crystals of semiconductors. Translated from the English] Novoe v poluchenii monokristallov poluprovodnikov, sbornik statei. Moskva, Izd-vo mostr. lit-ry, 1962. 259 p.

PLATETSKII, D. G. [Manual for the lathe operator in a repair shop] Spravochnik tokaria remontnoi masterskoi. 2 izd., perer. i dop. Moskva, Izd-vo MSKh RSFSR, 1963. 247 p.

[POLISH-RUSSIAN POLYTECHNICAL DICTIONARY] Pol'sko-russkii politekhnicheskii slovar'. Moskva, Fizmatgiz, 1963. 515 p.

POPOV, A. N., and others. [New building materials, facts and figures] Novye stroitel'nye materialy, tsifry i fakty. Moskva, Izd-vo "Znanie," 1963. 44 p. (V pomoshch' lektoru)

POPOV, S. A. [Structural elements of aluminum alloys] Stroitel'nye konstruktsii iz aliuminievykh splavov. Moskva, Izd-vo Vysshaia shkola," 1963. 226 p.

PORWIT, M., and L. SIEDLECKA, eds. [Concise Polish-Russian and Russian-Polish polytechnical dictionary] Kratkii pol'sko-russkii i russko-pol'skii politekhnicheskii slovar'. Warsaw, Wydawnictwa naukowo-techniczne, [c1963]. 226 p.

PRIKLONSKAIA, N. V., and A. S. SKACHKOV. [Rapid methods of rubber compounding] Skorostnye metody prigotovleniia rezinovykh smesei. Moskva, Goskhimizdat, 1963. 419 p.

[PRINCIPLES OF THE DESIGN OF SELF-TEACHING SYSTEMS] Printsipy postroeniia samoobuchaiushchikhsia sistem. Kiev, Gostekhizdat USSR, 1963. 117 p.

PROLYGIN, A. P. [Electrical apparatus of electrified city transportation] Elektricheskie apparaty gorodskogo elektrifitsirovannogo transporta. Moskva, Gosenergoizdat, 1963. 175 p.

PRUSENKO, V. S. [Multicircuit pneumatic systems for automatic control of thermal processes] Mnogokonturnye pnevmaticheskie *sistemy avtomaticheskogo* regulirovaniia teplovykh protsessov. Moskva, Gosenergoizdat, 1963. 127 p. (Biblioteka po avtomatike, no. 77)

PRUSLIN, Z. M. [Two-electrode tube, manual on a course in "Electronic and transistor devices" (no. 2 of the section "Electronic devices")] Dvukhelektrodnaia lampa. Uchebnoe posobie po kursu "Elektronnye i poluprovodnikovye pribory" (vtoroi vypusk po razdelu "Elektronnye pribory"). Moskva, Vses. zaochnyi elektrotekhnicheskii in-t sviazi, 1963. 46 p.

PUGACHEV, V. S., ed. [Principles of automatic control] Osnovy avtomaticheskogo upravleniia. Moskva, Fizmatgiz, 1963. 646 p.

RABINOVICH, S. G., and A. P. SKVORTSOV. [Preparation of formwork in industrial construction] Opalubochnye raboty v promyshlennom stroitel'stve. Moskva, Gosstroizdat, 1963. 311 p. (Serija prakticheskikh posobii po povysheniiu masterstva v promyshlennom stroitel'stve)

[RADIOELECTRONICS IN THE NATIONAL ECONOMY OF THE U. S. S. R.] Radioelektronika v narodnom khoziaistve SSSR, sbornik trudov nauchno-tekhnicheskikh konferentsii NTOR i E imeni Popova, Kuibyshev, Kuibyshevskii elektrotekhn. in-t sviazi, 1962. 165 p.

RIAZANOV, IU. A. [Design of automatic control systems] Proektirovanie sistem avtomaticheskogo regulirovaniia. Moskva, Mashgiz, 1963. 310 p.

ROITER, I. M. [Bread making] Khlebopekarnoe proizvodstvo, tekhnologicheskii spravochnik. Izd. 3., perer. i dop. Kiev, Gostekhizdat USSR, 1963. 489 p.

ROSTOV-ON-DON. INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. [Materials of the 30th Scientific and Technical Conference of the Institute. Departments: Chemistry section] Materialy XXX Nauchno-tekhnicheskoi konferentsii kafedr instituta, sektsiia khimii. Rostov-na-Donu, In-t inzhenerov zhel.-dor. transp., 1962. 10 p.

ROZANOV, L. N., and others. [Method for rating producible and prospective reserves of oil and gas in platform areas as exemplified by the studies carried out in the Bashkir A. S. S. R.] Metodika otsenki perspektivnykh i prognoznykh zapasov nefti i gaza platformennykh oblastei (na primere Bashkirskoi ASSR). Moskva, Gostoptekhizdat, 1963. 81 p.

RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie vagonnogo khoziaistva. [Instructions for the car inspector; superseding Instructions for the car inspector TSV/1773 of December 14, 1953] Instruktsiia osmotrshchika vagonov, v otmenu Instruktsii osmotrshchiku vagonov TsV/1773 ot 14 dekabria 1953 g. Moskva, Transzheldorizdat, 1963. 86 p.

RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie vagonnogo khoziaistva. [Uniform technological process and organization of wheel pair repair in car depots and car-wheel repair shops] Edinyi tekhnologicheskii protsess i organizatsiia remonta kolesnykh par v vagonnykh depo i vagonokolesnykh masterskikh. Moskva, Transzheldorizdat, 1963. 62 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.
- Pt. 1. Sec. D, ch. 1. [Railroads, materials and products] Zheleznye dorogi, materialy i izdeliia (*SNiP I-D. 1-62*). *1963.* 16 p.
- Pt. 1. Sec. V, ch. 12. [Metals and metal products] Metally i metallicheskie izdeliia (SNiP I-V. 12-62). 1963. 38 p.
- Pt. 2. Sec. A, ch. 1. [Specifications for construction designs, general part] Normy stroitel'nogo proektirovaniia, obshchaia chast' (SNiP II-A. 1-62). 1963. 18 p.
- Pt. 2. Sec. D, ch. 10. [Pipelines, specifications for designs] Magistral'nye truboprovody; normy proektirovaniia (SNiP II-D. 10-62). 1963. 29 p.
- Pt. 2. Sec. G, ch. 2. [Interior water pipes of industrial and auxiliary buildings of industrial enterprises, design standards] Vnutrennii vodoprovod proizvodstvennykh i vspomogatel'nykh zdanii promyshlennykh predpriiatii; normy proektirovaniia (SNiP II-G. 2-62). 1963. 16 p.
- Pt. 2. Sec. G, ch. 3. [Water supply, specifications for design] Vodosnabzhenie, normy proektirovaniia (SNiP II-G. 3-62). 1963. 94 p.
- Pt. 2. Sec. G, ch. 11. [Gas delivery, internal gas equipment, specifications for designs] Gazosnabzhenie, vnutrennee gazooborudovanie, normy proektirovaniia (SNiP II-G. 11-62). 1963. 16 p.
- Pt. 2. Sec. M, ch. 4. [Underground workings of enterprises for mining minerals, norms for planning] Podzemnye gornye vyrabotki predpriiatii po dobyche poleznykh iskopaemykh; normy proektirovaniia (SNiP II-M. 4-62). 1963. 51 p.
- Pt. 2. Sec. P, ch. 1. [Warehouses, and ... for general purposes, design and ... skie zdaniia i sooruzheniia obshchego ... nia, normy proektirovaniia (SNiP II-P. ... 1963. 7 p.
- Pt. 3. Sec. I, ch. 3. [Construction of ... ment systems, regulations for ... acceptance of work] Sooruzheniia ... sistem, pravila organizatsii stroitel'stva, ... vodstva rabot i priemki v ekspluatatsiiu (... III-I. 3-62). 1963. 18 p.
- Pt. 3. Sec. I, ch. 6. [Electrical systems ... tions for organizing and carrying out ... acceptance of the work] Elektrotekhnicheskie ustroistva, pravila organizatsii i proizvodstva rabot, priemka v ekspluatatsiiu (SNiP III-I. ... 1963. 134 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi ... po delam stroitel'stva. [Inter-republic technical specifications for ... soluble silicate potash (... lump) *for silicate paints (MRTU 7-10-63)*; ... potash glass (technical potash silicate) for ... paints (MRTU 7-10-63).; pigment portland ... paints (MRTU 7-10-63)] Mezhrespublikanskie ... cheskie usloviia. Silikat kaliia vodorastvorimyi ... kat gliby) dlia silikatnykh krasok MRTU 7-10-63; ... steklo zhidkoe kaliinoe (silikat kaliia ... khaet ... dlia silikatnykh krasok MRTU 7-10-63; ... nala chast' silikatnykh krasok MRTU 7-10-63. Moskva, Gosstroizdat, 1963. 27 p.

RUSSIA (1923- U. S. S. R.) Ministerstvo stroitel'stva elektrostantsii. [The Bratsk Hydroelectric Power Station] Bratskaia gidroelektrostantsiia. Moskva, 1962. 1 v.

[MICROFILM]

RYS'KOVA, Z. A. [Electric transformers for contact type electric welding machines] Transformatory ... kontaktnykh elektrosvarochnykh mashin. Moskva, Gosenergoizdat, 1963. 212 p.

RYVKIN, S. M. [Photoelectric phenomena in semiconductors] Fotoelektricheskie iavleniia v poluprovodnikakh. Moskva, Fizmatgiz, 1963. 494 p. (Problemy poluprovodnikov i poluprovodnikovykh priborov.)

RYZHKIN, V. IA., I. I. KIPRITSKAIA, and V. N. ... SOV, eds. [Thermal electric power plant, ... charts] Teplovaia elektricheskaia stantsiia ... tablitsy. [n. p.] Gosenergoizdat, 1963. 20 ... in portfolio.

SAKHAROV, M. D. [Machine production of ... Mekhanizatsiia proizvodstva okonnykh ... skva, Gosteshizdat, 1963. 106 p. (Nauchno-... dniat' peredovoi opyt v proizvodstva.)

SAMKNULO, G. M. [Economic efficiency of ... new technology] Ekonomicheskaia effektivnost' ... vnedrenia novoi tekhniki; stenogramma ... Leningrad, 1963. 36 p. (Leningradskii ... nauchno-tekhnicheskoi propagandy. Seriia: ... obrabatyvaiushchaia promyshlennost')

SAVENKO, V. G. [Application of the Hall effect ... communication] Primenenie effekta Kholla v ... sviazi. Moskva, Sviaz'izdat, 1963. 112 p.

SEMENOV, V. S. [Design, installation, and ... remote-control systems in petroleum production] Proektirovanie, montazh i ekspluatatsiia ... cheskikh sistem v neftedobyche. Kuibyshev, ... skoe knizhnoe izd-vo, 1963. 151 p.

SHAL'NOV, A. P. [Construction of underground ... gas pipe lines] Stroitel'stvo podzemnykh ... gazoprovodov. Izd. 2., perer. Moskva, ... kommun. khoz. RSFSR, 1963. 302 p.

SHCHERBAKOV, V. G. [Biochemistry and ... cial study of oil raw materials] Biokhimiia i ... denie maslichnogo syr'ia. Moskva, Pishchepromizdat, 1963. 351 p.

SHEKALOV, A. A. [New alloys for cast ... nets] Novye splavy dlia litykh postoiannykh ... Leningrad, 1963. 17 p. (Leningradskii dom ... tekhnicheskoi propagandy. Obmen peredovym ... Seriia: Metallovedenie i termicheskaia obrabotka ... no. 3)

SHEPELEV, A. M. [Plastering] Shtukaturnye ... Izd. 4., perer. i dop. Moskva, Profizdat, 1963. 318 p.

SHER, IU. M., ed. [Containers for shipment] Tara ... naia tara. [By] V. I. Shkul'tin i dr. Moskva, Goslesbumizdat, 1963. 436 p.

SLONIMSKII, L. N. [Electrification of peat enterprises] Elektrifikatsiia torfopredpriiatii Izd 2., perer i dop. Moskva, Gosenergoizdat, 1963 399 p.

SMIRNOV-ALIAEV, G. A., and D. A. VAINTRAUB [Cold stamping in the manufacture of instruments] Kholodnaia shtampovka v priborostroenii Izd 2., perer i dop. Moskva, Mashgiz, 1963 4.4 p.

SOBOLEVSKII, A. G. [What is a magnetic amplifier?] Magnitnyi usilitel' — chto eto takoe? Moskva, Gosenergoizdat, 1963 44 p (Massovaia radiobiblioteka, no 482)

SOCHIVKO, V. P. [Pattern recognizing devices, survey of Soviet and foreign literature] Opoznaiushchie ustroistva, obzor otechestvennoi i zarubezhnoi literatury [Leningrad] Sudpromgiz, 1963. 78 p.

SONIN, V. K., and E. K SONIN. [Apparatus for visual testing of radio amateur equipment] Pribory dlia vizual'noi proverki radiolubitel'skoi apparatury. Moskva, Gosenergoizdat, 1963. 69 p (Massovaia radiobiblioteka, no. 483)

TANATAR, D. B [Diesel engines, their arrangement and design] Dizeli, kompanovka i raschet. Izd. 3., perer. i dop. Leningrad, Izd-vo "Morskoi transport," 1963. 439 p.

TBILISSKII ELEKTROVOZOSTROITEL'NYI ZAVOD. [The VL8 electric locomotive, book of instructions] Elektrovoz VL8, instruktsionnaia kniga. Moskva, Transzheldorizdat, 1963 301 p
——— ——— ——— Diagrs.

TOROPOV, N. A., and V. P. BARZAKOVSKII. [High-temperature chemistry of silicate and other oxidic systems] Vysokotemperaturnaia khimiia silikatnykh i drugikh okisnykh sistem. Moskva, Izd-vo Akad. nauk SSSR, 1963. 257 p.

TSENTRAL'NYI INSTITUT TEKHNICHESKOI INFORMATSII I EKONOMICHESKIKH ISSLEDOVANII PO LESNOI, BUMAZHNOI I DEREVOOBRABATYVAIUSHCHEI PROMYSHLENNOSTI. [Intensifying the production processes at hydrolytic and wood chemistry enterprises] Intensifikatsiia proizvodstvennykh protsessov na gidroliznykh i lesokhimicheskikh predpriiatiiakh. Moskva, 1963. 45 p. (Gidroliz i lesokhimiia)
[MICROFILM]

VASHITOV, G. G. [Effective means for solving the production problems in nonuniform oil-and water-bearing layers by the finite difference method] Effektivnye sposoby resheniia zadach razrabotki neodnorodnykh neftenosnykh plastov metodom konechnykh raznostei Moskva, Gostoptekhizdat, 1963. 215 p.

VAVILOV, A. A., and A. I SOLODOVNIKOV. [Experimental determination of the frequency characteristics of automatic-control systems] Eksperimental'noe opredelenie chastotnykh kharakteristik avtomaticheskikh sistem Moskva, Gosenergoizdat, 1963. 261 p.

VEL'IASHEV, L. N., and S. M KRAVCHENKO. [Design and repair of office typewriters] Konstruktsiia i remont kantseliarskikh pishushchikh mashin. Moskva, Gosbytizdat, 1963. 198 p.

VENDEL'SHTEIN, B. IU. [Album of nomograms and charts for interpreting the data of geophysical methods for studying wells] Al'bom nomogramm i paletok dlia interpretatsii dannykh geofizicheskikh metodov issledovaniia skvazhin. Pod red. V. N. Dakhnova. Moskva, Gostoptekhizdat, 1963. 61 p.

VERSTIN, G. I., and V. V. PUKHOV. [Building schools and preschool institutions in rural areas] Stroitel'stvo shkol i doshkol'nykh uchrezhdenii v sel'skoi mestnosti. Moskva, Gosstroiizdat, 1963. 191 p.

VIL'KEVICH, B. I [Electrical network of the TE3 diesel locomotive] Elektricheskaia skhema teplovoza TE3 Izd 2, dop. Tashkent, Gos Izd-vo UzSSR, 1963. 134 p

VINOGRADOVA, M. B., and A. A. SEMENOV [Principles of the theory of tropospheric propagation of ultrashort radio waves] Osnovy teorii rasprostraneniia ul'trakorotkikh radiovoln v troposfere Moskva, Izd-vo Akad. nauk SSSR, 1963. 188 p

VIROZUB, I. E., and A. S. EREMENKO. [Jet engines] Reaktivnye dvigateli. Kiev, Izd-vo Akad nauk Ukrainskoi SSR, 1963. 80 p (Nauchno-populiarnaia literatura)

VISHNITSKII, A. L. [New developments in dimensional electric-machining of metals] Novoe v razmernoi elektroobrabotke metallov, obzor Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962 92 p.

VLADIMIROVA, M. G., and L. I. GREKHOVA. [Harmful substances and the control of their content in the air of gold-recovery plants] Vrednye veshchestva i kontrol' soderzhaniia ikh v vozdukhe zolotoizvlekatel'nykh fabrik i zavodov. Moskva, Gosgortekhizdat, 1963. 43 p.

VOEVODA, D. K., and M. M. POMERANTSEV. [Self-loaders and their performance at lower timber landings and timber transshipment bases] Avtopogruzchiki, ikh rabota na nizhnikh lesnykh skladakh i lesoperevalochnykh bazakh. Moskva, Goslesbumizdat, 1962. 53 p

[VOLGA HYDROELECTRIC POWER STATION, a technical report on the design and construction of the Volga Hydroelectric Power Station (Lenin), 1950-1958, in two volumes] Volzhskaia gidroelektrostantsiia, tekhnicheskii otchet o proektirovanii i stroitel'stve Volzhskoi GES imeni V. I. Lenina, 1950-1958., v dvukh tomakh Moskva, Gosenergoizdat,
Vol. 1. [Description of the structures of the hydraulic development] Opisanie sooruzhenii gidrouzla. Redaktory toma N. A. Malyshev i G. L. Sarukhanov. 1963. 511 p.

VORNOVITSKII, I. N., and I. M. VAGAPOV. [High-duty electrodes for arc welding] Vysokoproizvoditel'nye elektrody dlia dugovoi svarki. Moskva, Mashgiz, 1963. 102 p.

VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT OKHRANY TRUDA [Safety engineering and dust-removing ventilation of draw frames for flax spinning] Tekhnika bezopasnosti i obespylivaiushchaia ventiliatsiia na lentochnykh mashinakh l'nopriadil'nogo proizvodstva Ivanovo, 1963, 15 p.
[MICROFILM]

VSESOIUZNYI ZAOCHNYI ELEKTROTEKHNICHESKII INSTITUT SVIAZI. [Applications of dynamic load compressors] Primenenie szhimatelei dinamicheskogo diapazona, uchebnoe posobie dlia slushatelei fakul'teta usovershenstvovaniia. Moskva, 1962. 52 p.

ZISLIN, S. G., and others. [Atlas of chassis designs for the GAZ-51A, GAZ-63, GAZ-63A motortrucks and GAZ-51P, GAZ-63P, GAZ-63D saddle tractors] Atlas konstruktsii shassi avtomobilei GAZ-51A, GAZ-63, GAZ-63A i sedel'nykh tiagachei GAZ-51P, GAZ-63P, GAZ-63D, Izd. 2., perer. i dop. [Leningrad] Mashgiz, 1963. 286 p

ZONAL NAIA NAUCHNO-TEKHNICHESKA TSHIA PREPODAVATELEI FIZIKI, ME I OBSHCHETEKHNICHESKIKH DISTSII GICHESKIKH INSTITUTOV SIBIRI I UI 1962. [Abstracts of reports of the Zo Technological Conference of Teachers Methodology of Physics, and General jects in the Pedagogical Institutes of S Ural Mountain Region] Tezisy dokladc Novosibirskii gos. pedagog. in-t, 1962

17. MILITARY & NAVAL SCIENCES

ARISTOV, IU. K. [Auxiliary mechanisms on ships] Sudovye vspomogatel'nye mekhanizmy Izd 2., ispr. i dop. Pod obshchei red. I. I Krakovskogo Moskva, Izd-vo "Rechnoi transport," 1963 290 p.

BASIN, A. M., and I IA MINIOVICH [Theory and design of propellers] Teoriia i raschet grebnykh vintov Leningrad, Sudpromgiz, 1963 759 p

BOCHKAREV, K. S., I. P PRUSANOV, and A. A BABAKOV [The program of the CPSU on the defense of the socialist fatherland] Programma KPSS o zashchite sotsialisticheskogo Otechestva Moskva, Voenizdat, 1963 141 p

DRAGOLIUBOV, PETR. [General TSvialko Radoinov Translated from the Bulgarian] General TSvialko Radoinov. Moskva, Voenizdat, 1963. 94 p

EPISHKIN, M. P [Take a hero as your example] Voz'mi sebe v primer geroia. Moskva, Voenizdat, 1963 60 p (Molodomu soldatu i matrosu o voinskoi sluzhbe)

IANOVSKAIA, ZH. [Academician of the science of ships] Akademik korabel'noi nauki Leningrad, Gos. Izd-vo detskoi lit-ry, 1955. 163 p.
(MiDW)

KHANIN, L [Sons of Tartary are heroes of the Soviet Union] Geroi Sovetskogo Soiuza — syny Tatarii Kazan', Tatarskoe knizhnoe Izd-vo, 1963 679 p

KIUPAR, I. I. [Guidance of antiaircraft rockets] Navedenie na tsel' zenitnykh raket. Moskva, Voenizdat, 1963. 88 p. (Za voenno-tekhnicheskie znaniia)

KRAVCHUK, I. I., and B. G. MOROKHIN. [Professional training of first-class seamen] Proizvodstvennoe obuchenie matrosov I-go klassa. Izd. 2., dop. i perer. Moskva, "Morskoi transport," 1963. 215 p.

KRYLOV, A. N. [My recollections] Moi vospominaniia. [Moskva] Izd-vo Akad nauk SSSR, 1963. 379 p

LESNEVSKII, S. A. [The Polish Army] Voisko Pol'skoe Moskva, Voenizdat, 1963. 103 p.

LUCHININOV, S. T. [Young modelmaker and shipbuilder] IUnyi modelist-korablestroitel' Leningrad, Sudpromgiz, 1963 191 p.

MIKHAILOV, E. P. [Demolition techniques] Podryvnoe delo Moskva, Voenizdat, 1963. 120 p. (Biblioteka serzhanta)

PALLER, A. M., and V. F. SOKOLOV. [Shipfitter] Sudovoi sborshchik. Leningrad, Sudpromgiz, 1963. 327 p.

PEREGUDOV, K. V. [Combat readiness. What does it mean?] Boevaia gotovnost'. Chto eto znachit? Moskva, Voenizdat, 1963. 58 p. (Moludomu soldaty i matrosu o voinskoi sluzhbe)

STEPANENKOV, R. V. [Efficient ballasting of a tank [illegible] Ratsional'naia ballastirovka tankera] Moskva

An asterisk (*) appearing before a periodical title indicates that it is available in full English translation. For publishers of such translated periodicals, their subscription prices, etc, see listing at end of this issue.

1. GENERAL

a. SCHOLARLY JOURNALS

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia. Obshchestvennye nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin Social Sciences] Erivan, no 7, July 1963

Table of contents translated:

Asatrian, M.V. - Forms of practical use of objective laws. p. 3.

Aslanian, A.G. - From the history of the idea of progress in Russia. p. 35.

No.9, Sep. 1963.

Table of contents translated:

Gevorkian, G.A. - The probability category and modern "physical idealism." p.3.

Barseglan, Kh.A. - "Dissemination of Marxism-Leninism in Azerbaijan" by V.IU.Samedov. p.87.

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Izvestiia. Seriia fiziko-matematicheskikh i tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Bulletin. Series in the Physical, Mathematical, and Technological Sciences]. Baku, no.3, 1963.

Table of contents translated:

Mamedov, R.G. - Certain classes of functions defined on $(-\infty, \infty)$. p.3.

Shamiev, F.G. - Designing annular plates of minimum weight. p.13.

Klimanova, T.M. - Unitary semielliptic spaces. p.21.

Sabziev, N.M. - Approximation of periodic functions by trigonometric polynomials in a generalized Lebesgue space. p.31.

Rakhmanov, P.A. - Transverse impact against a flexible membrane situated in a resistant medium. p.41.

Askerov, T.M. - Use of the "Ural-1" electronic digital computer in solving a problem concerning the supply of material and technical resources within the system of the National Economy Council of the Azerbaijan S.S.R. p.51.

Makhmudov, IU.A., Alamov, F.A., Badalov, T.A. - Device for manual feeding of numbers into a digital computer with automatic conversion from the decimal to the binary number system. p.59.

Gashimzade, F.M. - Energy spectrum of holes in semiconductors structured as chalcopyrite. p.67.

Abdullaev, G.B., and others. - Selenium photoelements with saturation current. p.77.

Alieva, T.D., Khalilov, A.Kh. - Effect of certain activating and nonactivating additions on the formation and breakdown of trapping centers in

on

ir

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Izvestiia. Serita obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Bulletin. Series in the Social Sciences]. Baku, no 4, 1963

Table of contents translated:

Seidov, Imran. - Demian Bednyi. p.9.

Agaeva, A. - Heroic labor of the collective farmers of Turkmenistan in the period of the Great Patriotic War. p.19.

IUsufbeili, T.G. - Shakespeare's plays on the stage of the Azerbaijani Drama Theater, 1920-1933. p.29.

Musaev, M.A. - Commerce between Baku city and Iran from the 1830's to the 1860's. p.41.

Tagieva, Z. - Forming of lexical homonyms in the Azerbaijani language. p.53.

Gulizade, M. - Fuzuli and Uzbek literature. p.63.

Gadzhiev, A.G. - Literary characteristics of Farrukhi Yazdi's poetry. p.81.

Arrowheads from the ancient site of Baba-Dervish. p.81.

Ramazanov, K.T. - Etymology of the "aba" affix. p.99.

Gadzhinskii, D.D. - Letters of Azerbaijan workers to V.I.Lenin. p.115.

Nadzhafov, N. - Art of the countries and peoples of the world. p.119.

Ragimov, M. - Some notes on the study of the history of the Turkmen language. p.123.

Guseinov, B.M. - An all-Union conference on Iranian philology. p.129.

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Soobshcheniia [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Reports]. Tiflis, vol.30, no.5, May 1963.

Table of contents translated:

Kupradze, V.D., Aleksidze, M.A. - Approximate method for solving certain boundary value problems. p.529.

Inasaridze, Kh.N. - Theory of extensions in categories. p.537.

Kvantaliani, K.I. - Boundary value problems for small-parameter integrodifferential equations. p.545.

Kostanashvili, N.I., and others. - Transverse momentum of charged Σ-hyperons generated by 9 Bev. protons in a photographic emulsion. p.553.

Chanturishvili, L.S., Khvitia, G.P. - Field of a point source in a space represented by three sectors. p.559.

Eristavi, D.I., Brouchek, F.I. - Method of ion exchange separation and concentration of boron in its determination in natural waters. p.565.

Kobuladze, O.T. - Change in the amount of proteins and starch in the grain of Italian millet under the influence of agrotechnical background and zonality. p.573.

TSulaia, M.F., Gagulashvili, A.D., Maisaia, V.R. - Some biochemical changes in the cerebrospinal fluid under the influence of craniocerebral trauma. p.579.

Zurabashvili, Z.A. - Histochemistry of the central nervous system under the effect of aminazine and tofranil in an acute experiment. p.583.

Piradashvili, N.Z. - Change in some blood enzymes in malignant neoplasms. p.591.

TSkhovrebashvili, Sh.A. - Determining the number of basic stages of level areas in mountain regions. p.595.

Dzhanelidze, A.I. - Orogenic cycles. p.601.

Khmaladze, I.I. - Conglomerates from the crystalline shale formation of the Dzirula massif. p.607.

Lolashvili, O.I., Rurua, G.B. - Electric modeling of an isostatic network during pure compression or tension from external forces. p.611.

Kakushadze, A.M., Mskhiladze, G.G. - Designs for a sloping cylindrical shell on an elastic foundation. p.617.

TSkhvirashvili, D.G., Galustashvili, V.V. - Passing of weak mineral acids to saturated water vapor. p.625.

Matikashvili, T.I. - Equalizing the movement in a ventilation system with two fans operating in parallel. p.631.

Gegenava, G.V., Otkhmezuri, L.T. - Nature of the action of a combined mixture of petroleum oil and thiophos. p.637.

Kobakhidze, D.N. - A new subspecies of the pale scorpion (Toxochernes panzeri caucasicus Kobakhidze, ssp.n.) from the Caucasus. p.645.

Narikashvili, S.P., Moniava, E.S. - Effect of the stimulation of the reticular formation on the response activity of the cerebellum. p.651.

Chikovani, K.S. - Some peculiarities of the changes in muscular tonus and voluntary movements in the localization of a dyshematogenic process in the brain stem. p.657.

Machabeli, M.S., and others. - Indices of the blood coagulation system in healthy dogs. p.663.

Eristavi, K.D., and others. - Fibrinolytic effect of the enzyme ficin from the sap of the fig tree. p.667.

Litanishvili, V.B. - Changes of some biochemical indices in the blood of patients with circulatory insufficiency. p.671.

Malashkhia, IU.A. - Development of some neurologic syndromes in chronic tonsillitis and the methods of their treatment. p.679.

Abramishvili, G.V. - Notes on the dating of the mural painting of the Alent Zion. p.685.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Vestnik [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Journal]. Alma-Ata, vol.18, no 4(205), April 1962.

Table of contents translated:

Tolybekov, S.E. - Creation of the material and technical base of communism in the U.S.S.R. and the objectives of the economic development of Kazakhstan. p.3.

Petrov, G.N. - Some urgent objectives of Kazakhstan water resources development. p.13.

Ponomarev, V.D., and others. - Nepheline rocks of the Virgin Territory as a comprehensive raw material for the production of aluminum oxide, soda products and cement. p.23.

Suleimenov, B.S. - History of the agrarian movement of Kazakh peasants in the years of the first Russian revolution. p.32.

Ermolaev, K.F. - Correlation between the stratigraphic and tectonic control in the Leninogorsk ore zone. p.40.

IArin, L.P. - Ershin, Sh.A. - Aerodynamics of a turbulent diffusion flame in a wake current. p.46.

Khasanov, B. - Metaphores and metaphoric combinations in the Kazakh language. p.52.

Volkovich, K.V. - History of the origin of multieared wheat. p.61.

Narvait, G.E., and others. - Methods of studying the primary halo of dispersed uranium and admixture elements in hydrothermal deposits. p.69.

Balbaeva, Z.A. - Materials on the nematode fauna of winter wheat in Alma-Ata Province. p.79.

Andrei Ivanovich Bezsonov; obituary. p.84.

Drawing closer of nationalities and strengthening friendship among the peoples of the U.S.S.R. p.85.

New books. p.88.

Vol.19, no.9(222), Sep. 1963.

Table of contents translated:

To the Central Committee of the Communist Party of the Soviet Union; to Comrade Nikita Sergeevich Khrushchev. p.3.

Satpaev, K.I. - Ways of improving the scientific work of the Academy of Sciences of the Kazakh S.S.R. p.5.

Baishev, S.B. - Put science at the service of the ideological education of the people. p.20.

Baikonurov, O.A. - Draft of the statutes of the Academy of Sciences of the Kazakh S.S.R. p.36.

For the further development of science in Kazakhstan p.41.

Decision of the general meeting of the Academy of Sciences of the Kazakh S.S.R. on the basis of the reports of Comrades Satpaev and S.B. Baishev. p.45.

Draft of the new statutes of the Academy of Sciences of the Kazakh S S R p 17
Begizbaev, A B - Conditions of synonymity of causal relationships. p 49
TSeft, A.L., Azerbaeva, R.G., Adilova, A.A. - Behavior of selenides and tellurides of certain metals during hydrochloric leaching p.58
Lyndaev, A. - History of the building of the Karaganda Metallurgical Plant, 1856-1962. p.65.
Zhalaev, N. - Propagation of plane traveling shock waves of loading and loading-unloading in models simulating deformations of soils. p.78
Chugaikin, O.N., Pushkareva, Z.V., Krylov, E.I. - Reactions and derivatives of quinaldine p.81.
Peskenko, G.A., Mailybaev, E.A. - Efficient length of stoping with regard to the dust factor in the panel-pillar system of working. p.93.

AKADEMIIA NAUK KIRGHZSKOI SSR, Izvestiia Serii estestvennykh i tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE KIRGHIZ S.S.R. Bulletin Series in the Natural and Technological Sciences] Frunze, vol 4, no.10, 1962 Vodnoe khoziaistvo [Water Resources management]
Table of contents translated:
Kalashov, M.M. - Methods for working up observation data on the loss of water in periodically operated canals. p.5
Kapilinskii, M.I. - Effect of the curve of moisture distribution in the zone of aeration on some calculation parameters. p.23.
Kostiuk, V.I. - Water balance of the Panfilovskoye Irrigation System p.31
Nazarov, M.I. - Effect of irrigation by the mineralized water from Lake Issyk-Kul' on the yield of farm crops p.69
Nazarov, M.I. - Uniformity of the distribution of irrigation water and the effect of wind on the size of the area covered by long-range sprinklers. p.79
Slavina, K.I. - Method of determining the maximum economically justified capacity of irrigation systems under conditions of unregulated streamflow p.87.
Slavina, K.I. - Approximate estimation of damage caused by a deficiency of water in the irrigation of farm crops p.99

Vol.5, no.1, 1963. Gornoe delo,obogashchenie i metallurgiia [Mining, ore dressing, and metallurgy]
Table of contents translated:
Nikolai Vasil'evich Demenev; on his 60th birthday. p.5.
Baranov, E.G., Tangaev, I.A., IAkovleva, N.A. - Study of the process of the displacement of ores and rocks in blasting under conditions of complex deposits. p.7.
IAlymov, N.G. - Selecting the means of breaking in a system with shrinkage stoping. p.25.
Frantsenko, I.N. - Improving systems for developing mining areas in lit-par-lit working of thick coal seams in Kirghiz mines. p.35.
Ulakbaev, S.U. - Using the coefficient of side thrust to determine the stability of the slope of a pit side. p.17.
Tartikovskii, B.N., and others. - Improving mining technology using a transporter system of mining with continuous machine units p.51.
Atkinov, I.T. - Studying the properties of grouts. p.93.
Kolodeshin, V.V. - Remote control of bunker filling and automatic elimination of ore sticking. p.77.
Kurmanaliev, T.I. - Analysis of the flotation of molybdenite at the Aktyuz ore dressing plant. p.85.
Frilman, IA.D., Drachevskaia, R.K., Dolgashova, N.V. - Adsorption of cadmium and zinc from ammonium iodide solutions on a cation exchanger. p.97.
Shestakova, V.A. - Studying the potentials of copper, cadmium, and zinc in a sulfuric acid zinc electrolyte. p.103.
Shestakova, V.A. - Study of the causes of reverse cadmium dissolution during the refining of zinc solutions by cementation. p.113.
Drachevskaia, R.K. - Interrelation of the extent of the surface, the potentials, and the activity of cementation powders. p.121.
Fridman, IA.D., Sarbaev, Dzh.S. - Stability of mixed thiogenate halo compounds of cadmium in solutions. p.125.

Vol.5, no.3, 1963. Gidrotekhnika [Hydraulic engineering].
Table of contents translated:
Artamonov, K.F. - Hydraulic engineering laboratory of the Institute of Power and Water Management of the Academy of Sciences of the Kirghizistan S.S.R. p.5.
Krochkin, A.N. - Some problems of the morphometry of mountain rivers of Kirghizistan. p.13.
Talmaza, V.F. - Problem of the transportation capacity of rivers in mountain and piedmont regions. p.27.
Artamonov, K.F., and others. - Water intakes for mountainous sections of rivers. p.53.
Artamonov, K.F., Ramazan, M.S., Satarkulov, S.S. - Improved gratings of water intakes. p.71.
Artamonov, K.F., and others. - Experiment with filtering rock-fill dams in Kirghizistan. p.79.
Grebennikov, L.S., Kostiuchenko, L.V. - Filtration of rock-fill dams on the Shamsi and Alamedin Rivers. p.103.
Grebennikov, L.S. - Influence of the rise of ground water on filtration through a rock-fill dam. p.115.
Kostiuchenko, L.V., Kroshkin, A.N. - Brief information about some natural fill in the mountain rivers of Kirghizistan. p.119.
Artamonov, K.F., Vysochanskii, B.L. - Regulating rock-fill installations. p.129.
Satarkulov, S.S. - Selection of the angle of offtake in double-side water intake. p.141.
Ramazan, M.S. - Using a water intake with a surface water retaining culvert. p.147.

AKADEMIIA NAUK SSSR Vestnik [ACADEMY OF SCIENCES OF THE U.S.S.R. Journal] Moscow, vol 33, no 10, Oct 1963
Table of contents translated:
Scientific profile of the establishments of the Academy of Sciences of the Ukrainian S.S.R. p.3
Mathematical methods in economics and planning. Organization of a Central Institute of Mathematical Economics of the Academy of Sciences of the U.S.S.R. p.9
Glushkov, V.M. - Economics and automation. p.11.
Leibkind, IU.R. - Modeling of economic systems. p.15
Pleskov, IU.V. - Electrochemistry of semiconductors p.18
Gerasimov, I.P., and others. - Physical geography and its position in the system of sciences of the earth p.24.
Savitskii, E.M., Kopetskii, Ch.V., Burkhanov, G.S. - Refractory metals and their role in modern technology. p.29
Korshak, V.V., Mozgova, K.K. - Graft copolymers. p.37.
Toropov, N.A. - Sitalls, a new inorganic material in modern technology p.43.
Akhmedshafin, U.M. - Prognostic maps of artesian and ground waters of Kazakhstan p.47.
Ivanov, V.I. - Humic fertilizers produced from Khaziz coals. p.52.
Rabinovich, P.H. - Seasonal fluctuation of the development of soil bacteria. p.54.
Zaimanzon, I.M., Tal', A.A. - New applications of pneumatic control. p.58.
Kolenko, E.A. - Semiconductor thermostat for laboratory uses. p.63.
Karataev, V.I. - Two-stage magnetic mass spectrometer for analyzing minor impurities. p.65.
Sharapov, N.I., Prokopenko, A.I., Tikhomirov, G.N. - Experimental production of white Chinese wax. p.67.
Academician A.IU.Ishlinskii, on his 50th birthday. p.68.
Blagonravov, A.A. - Session of the Committee for the Exploration of Outer Space, held in Warsaw. p.70.
Mikhailov, A.A., Nemiro, A.A. - Symposium on astronomy, held in Paris. p.73.
Borisevich, E.S. - Our visit to U.S seismologists. p.75.
Zelenov, K.K. - Soviet geologists in Indonesia. p.80.
Contacts between U.S.S.R. and U.S. scientists, on the 100th anniversary of the National Academy of Sciences of the United States. p.86.
Kudriavtsev, L.D. - Second International Symposium on the Theory of Graphs p.91.
Prokof'ev, V.K., Sobolev, V.M. - Twelfth Colloquium on Infrared Spectroscopy of Celestial Bodies p.92.
TSetlin, B.L. - International Conference on the Use of Powerful Radiation Sources in Industry. p.93.
Chelnokhin, A.B. - Colloquium on the Use of Mathematical Methods in Economic Research. p.94.
Tkachuk, L.G. - Conference of the Committee on Magmatism and Petrology. p.95.
Olenov, IU.M. - Symposium on Histochemistry and Cytochemistry p.96.
Andreev, A.F., Fal'kovskii, L.A. - All-Union Conference on Low Temperature Research. p.99
Borziak, P.G., Sarbei, O.G., Tomchuk, P.M. - Symposium on Hot Electrons, held in Kiev. p.100.
Feigel'son, E.M. - Conference on Actinometry and Atmospheric Optics, held in Moscow. p.102.
Kotok, E.B. - Conference on the Calculation of Stellar Models, held in Riga. p.103.
Chebotarev, G.A., Efremov, IU.N. - Plenums of the Committees of the Astronomical Council. p.105.
Rakovskii, E.E. - Conference on Methods of Concentration of Elements in Analytic Chemistry. p.107.
Mikhlin, E.D. - Joint Conference of the Academy of Sciences of the U.S.S.R., the All-Union Academy of Agricultural Sciences, and the Ministry of Agriculture of the U.S.S.R. on Biologically Active Preparations in Cattle Breeding p.109.
Abdullaev, G.B., Talibi, M.A. - Conference on the Study of Selenium and Tellurium, held in Baku. p.113.
Stul'nikov, N.P. - Conference on Gas Turbines, held in Leningrad. p.114.
Tsirkunchikov, M.K. - Use of explosions in the national economy, a conference of the Scientific Council. p.115.
Shcherbakov, D.I. - V.A.Obruchev, eminent scientist and explorer, on the 100th anniversary of his birth. p.116
Conference on the 100th anniversary of the revolt in White Russia and Lithuania. p.119.
New scientific laboratories. p.120.
Changes in the organizational structure of establishments of the Academy of Sciences p.120.
Expeditions undertaken by Latvian scientists p.121.
Valuable aquisition by the Anthropological and Ethnological Museum. p.122.
New books p.123

AKADEMIIA NAUK SSSR Sibirskoe otdelenie Izvestiia [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department Bulletin] Novosibirsk, no 1, 1963 Seriia obshchestvennykh nauk [Series in the Social Sciences], no 1.
Table of contents translated.
To the reader. p.3
Trudenskii, G.A. - Development of the economic research in Siberia. p.5.
Nekrasov, N.N. - Basic problems of the distribution of the productive forces of Siberia and the Far East p.12
Sominskii, V.S. - Economic problems concerning the first stage of operation of new enterprises. p.22.
Pervushin, V.A. - Basic stages and development rate of the productive forces in Siberia. p.29.
Nikolaeva, K.E. - Perfection of the personnel structure and the organizational problems of production. p.36
Zakharina, D.M. - Improving the utilization of labor resources in the Krasnoyarsk Territory. p.47.
Fridovskii, G.K. - Distribution of new enterprises in the South-Yenisey industrial district p.55.
Kuznetsov, IU.A. - Plotting the optimal power balance by considering the rate of gas consumption by means of electronic computers. p.60.
Kulakov, N.N. - Economic effectiveness of increasing the reliability of radioelectronic equipment. p.72
Okladnikov, A.P., Larichev, V.E. - Archaeological research in Mongolia during the years of 1961-1962, a brief review of the results achieved by the Soviet-Mongolian Expedition for Study of the Stone Age in Central Asia. p.78
Gromyko, M.M. - Characteristics of the agrarian relations on the state owned lands of Western Siberia in the 30's to the 80's of the 18th century. p.90.
Avrorin, V.A. - Languages of the peoples of Siberia in the period of the large-scale building of communism. p.102.
Malinovskii, L.V. - Meeting of the United Academic Council of Economic Sciences of the Siberian Branch of the Academy of Sciences of the U.S.S.R. p.113.
Mozhin, V.P., Orlov, V.P. - Conference on the use of mathematical methods in planning. p.115.
Gorlushkin, L.M. - Results of the Coordinating Conference of the Historians and Archivists of Siberia and the Far East. p.119.

ASHKHABAD. TURKMENSKII GOSUDARSTVENNYI UNIVERSITET. Uchenye zapiski [TURKMENIAN STATE UNIVERSITY. Studies], No. 9, pt. 4, 1962.
Contents Rustamov, I.G. [Vegetation in the middle and lower part of the western Uzboy] Rastitel'nost' srednei i nizhnei chasti Zapadnogo Uzboia. 160 p

EESTI NSV TEADUSTE AKADEEMIA Toimetised. Füüsika-matemaatika ja tehniliste teaduste seeria. Izvestiia Akademii nauk Estonskoi SSR Seriia fiziko-matematicheskikh i tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R. Bulletin Series in the Physical, Mathematical, and Technical Sciences] Tallinn, vol.12, no 3, 1963
Table of contents translated
Rebane, K., Rebane, T. - Theory of Raman scattering of light by molecules. p 227
Ulm, S. - Interpolation analogue of the method of gradients. p.238.
Khanko, P. - The quasi-nonepetitional nature of relay-contact networks. p.244.
Leppik, K. - Correction of equidistant curves in numerically controlled milling machines. p.263.
Männil, A., Nigul, U. - Stressed states of an elastic plate during the propagation of sinusoidal bending waves p.273.
Nigul, U. - Roots of Lamb's equation describing the deformation of a plate antisymmetric relative to its middle surface. p.284.
Kaar, R., Kirret, O., Shvindlerman, G. - Studying the activity of catalysts on the basis of bicyclopentadiene compounds of titanium in the polymerization of ethylene. p.295.
Rang, H. - Some preparations from hexachlorocyclopentadiene. p.301.
Rang, H. - Polychlorination of the pentene-pentane fraction of shale-oil gasoline. p.307.

Sustav, M., Kudinovskaia, L. - Definition of the concentration correction of the temperature shift in a thermal ionization system. p. 312
Kappel, I., Fomina, A. - Determination of the nitrogen in the organic matter of Dictyonema shale. Part 2. p. 320
Rubel, M. - Use of sequential tests in determining fossil brachiopods. p. 327
Lee, A. - Granulometric and mineralogical composition of loess of the Tsiskh shore and the Ulgase and Mardia members. p. 334
Petrs, R. - Problem of currents generated in the teeth of the short-circuited rotor of an asynchronous motor. p. 339
Moroz, A. - Flexural members from shale-ash cellular concrete with stressed reinforcement. p. 344
Academician Karl Orviku on his 60th birthday. p. 349
Mürisepp, P. - All-Union Conference on the History of Physics and Mathematics [in Estonian]. p. 352
Kristoffel, N. - International Conference on the Dynamics of the Crystal Lattice, held at Copenhagen [in Estonian]. p. 352

LENINGRAD. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT IMENI A I GERTSENA. Uchenye zapiski [A. I. HERTZEN STATE PEDAGOGICAL INSTITUTE. Studies]. Vol. 231, 1962

Contents [Historical lexicology of the Russian language.] Voprosy istoricheskoi leksikologii russkogo iazyka. Pt. I. 263 p.

LENINGRAD. UNIVERSITET. Uchenye zapiski [UNIVERSITY Studies] No 310, 1962. Seriia geologicheskikh nauk [Series in the Geological Sciences], no. 12. Voprosy litologii i paleogeografii [Problems of lithology and paleogeography]

Table of contents translated

Vassoevich, N. B. - In memory of Professor L. B. Rukhin. p. 5
Shvanov, V. N., Golovenok, V. K. - Lev Borisovich Rukhin's works on paleogeography. p. 14
Popov, V. I. - Significance of L. B. Rukhin's research in the study of facies and formations. p. 22
Khain, V. E. - Lev Borisovich Rukhin's works on tectonics. p. 27
Rukhin, L. B. - Facies and formation series and their relationship with island arcs. p. 32
Rukhina, E. V., Kashik, D. K., Diufur, M. S. - Determination of the shape of sand grains by the use of a vibroseparator. p. 55.
Shvanov, V. N., Markov, A. B. - Correlation of the results of granulometric analyses of sand rocks in thin-sections, loose preparations, or by the use of the sieve method. p. 68
Pustovalov, L. V. - Basic principles in the classification of sedimentary rocks. p. 81
Kossovskaia, A. G. - Classification of sand rocks based on mineralogical composition. p. 111
Verzilin, N. N. - Classification of mixed sedimentary rocks. p. 123
Golovenok, V. K. - Cemented gravel. p. 131
Rukhina, E. V. - Subdivision of morainal sediments based on lithological indications. p. 139
Shutov, V. D. - Specific features of the progressive epigenesis in platform areas. p. 147
Shvanov, V. N. - Early Cretaceous paleogeography of western Tajikistan. p. 161
Kakhanova, L. P. - Paleogeography of the Tajik Depression and its margins in the Alay time. p. 180
Konditerov, V. N. - Petrographic characteristics and conditions governing the formation of Bukhara layers in the Badkhyz Preserve. p. 201
Verzilin, N. N. - Conditions governing the formation of Lower Cretaceous red beds in the southwestern spurs of the Gissar Range and possibilities of the presence of oil producing rocks among them. p. 212
Lebedeva, A. I. - Secondary alterations in Ancient Paleozoic arenaceous-argillaceous sediments in the northwestern part of the Russian Platform. p. 224
Kukharenko, A. A. - Lithology and conditions governing the formation of the Asha series in the western slope of the Central Urals. p. 245
List of Professor L. B. Rukhin's published works. p. 275.

LENINGRAD. UNIVERSITET. Vestnik [UNIVERSITY Review] Vol. 18, no. 16, 1963. Seriia fiziki i khimii [Series in Physics and Chemistry], no. 3

Table of contents translated

Sergei Aleksandrovich Shchukarev; on his 70th birthday. p. 5.
Rebane, T. K. - Variational method for calculating molecular magnetic susceptibility. p. 7.
Labzovskii, L. N. - Pair correlations of electrons in the theory of many-electron systems. Part I. p. 12.
Zhilich, A. G., Makarov, V. P. - Theory of excitons of large radius in crystals with degenerate bands. p. 22.
Starostin, N. V. - Origin of new lines in the adsorption spectrum of copper oxide crystals. p. 38.
Adamov, M. N., Pupitsyn, I. F. - Use of the free electron method in studying the effect of hyperconjugation. p. 41.
Ledovskaia, E. M. - One-center approximation in calculating water molecules. p. 47.
Kiselev, A. A. - Formula describing the energy of a many-electron system with one vacant site. p. 51
Lizeeva, G. S., Petrov, A. A., Fedorov, V. V. - Spectroscopic determination of the isotopic composition of nitrogen. p. 56.
Zhiglinskii, A. G., Kochemirovskii, A. S. - Spectrum analysis of boron isotopes. p. 62
Novikova, G. F. - Formation and melting of guttapercha crystals as observed under a microscope. p. 69
Lin Guan-tsan [Ling Kuang-ts'ang], Fridrikhsberg, D. A. - Study of surface conductance depending on temperature, solution composition and its concentration. p. 77.
Lin Guan-tsan [Ling Kuang-ts'ang], Fridrikhsberg, D. A. - Study of electrokinetic potential depending on temperature, solution composition, and its concentration. p. 88
Nazarov, A. A., Shul'ts, M. M., Storonkin, A. V. - Thermodynamic properties of the system AgCl - NaCl - $PbCl_2$. Part 2. Activities and activity coefficients of components of a system for the solid phase of variable composition. p. 91.
Kravtsov, V. I., Zverevich, G. V. - Galvanostatic study of the processes of electrodeposition and anodic solution of zinc in zinc perchlorate solution. p. 103.
Pal'chevskii, V. V., Smolinkov, B. S. - Change of electronic absorption spectra under the effect of some indifferent substances added. Part I. Spectra of solvated anions. p. 110
Paramonova, V. I., Mosevich, A. N., Zonov, Iu. G. - Determination of the exchange constants of some anions on anion exchangers. p. 115
Borisova, N. P., Bolacheva, L. P. - Determination of the structure of polymers by the MO LKAO method. p. 120
Labzovskii, L. N. - Variational calculation of the correlation energy of a many-electron system. p. 127
IAkovleva, M. S., Arina, S. M. - Thermodynamics of ferrous oxide. p. 130.
Shchukarev, S. A., Smirnova, E. K., Vasil'kova, I. V. - Thermographic analysis of the system RbCl - $NbOCl_3$ and CsCl - $NbOCl_3$. p. 132
Poliachenok, O. G., Novikov, G. I. - Thermodynamic study of di- and trichlorides of rare-earth elements. p. 133
TSerkovnitskaia, I. A., E Zhu-ts'iu [Yeh Ju-chiu]. - Amperometric determination of thorium by means of thoron. p. 135.

Vol. 18, no. 17, 1963. Seriia ekonomiki filosofii i prava [Series in Economics, Philosophy, and Law], no. 3.

Table of contents translated

Shirokorad, L. D. - The basic economic law of "socio-economic formations". p. 5.
Chufin, G. I., Tul'panov, S. I. - Some features of economic planning in Indonesia and Pakistan. p. 16.
Babintseva, N. S. - The theory of "reciprocal development" and "combined integration." p. 32.
Sipovskaia, I. V. - Uniform statistical indicators of the work of the different means of transportation. p. 45.
Rozhin, V. P. - Marxism and concrete sociological studies. p. 55
Brodskii, I. N. - Causation and information. p. 67.
Vekker, L. M. - Simulation of sensory functions. p. 77.
Smirnov, V. T. - Correlation of the rules of Soviet labor and civil law on the liability of workers and employees. p. 85.
Syroedov, N. A. - Legal consequences of the compulsory acquisition of land for public or communal purposes. p. 93.
Abdullaev, N. D. - Enactment of Soviet laws in the light of the philosophical categories of necessity and chance. p. 103.
IAvich, Iu. N. - Legal forms of the participation of trade unions in the implementation of rules on liability for work injuries. p. 105
Vavilov, K. K. - Evaluating the respective significance of the harmful social effects of a crime and the "especial dangerousness" of its perpetration when releasing him from punishment. p. 110.
Terlizhenko, I. N. - Methodological principles of the correlation analysis of the factors which determine the cost of production on collective farms. p. 112.
Fedoseev, A. A. - Characteristics of the legal acts of economic councils. p. 117.
Ponomareva, I. G. - The nature and structure of productive forces. p. 121.
Erivantsev, N. A. - Critical evaluation of the bourgeois "theories" of imperialism in the work of a Hungarian scholar. p. 126.
Sivov, V. A. - A useful study of the city soviets. p. 128.
Eliseeva, O. A., Solodnikov, M. I. - [illegible] retical conference at the Faculty of [illegible] Leningrad University. p. 133.
I. F. Rybakov, obituary. p. 136.

Vol. 18, no. 18, 1963. Seriia geologii i geografii [Series in Geology and Geography], no. 3.

Table of contents translated

Blank, M. IA. - Revision of some facies of the Turnitella in the northern margin of the Basin. p. 5.
Gillarova, M. A. - Karelian basal formation (the Proterozoik) in the Tardanovo-Sandal area in the Karelian A.S.S.R. p. 17.
Kozlova, E. V., Simarina, V. S. - [illegible] and iodine in the underground waters of in Tajikistan and the northern Caspian [illegible]. p. 28.
Kusnar', L. V. - Some Aviculopecten (Mollusca) from bonniferous sediments in southern Kazakh
Metallova, V. V., Lainberg, L. S. - Study of [illegible] netic properties of trap rocks in the [illegible] of the Siberian Platform. p. 46.
Miklukho-Maklai, A. D. - Basis for the [illegible] of Carboniferous and Permian systems [illegible] graphic distribution of fusulinids in Upper [illegible] Zok sediment of the Russian-Chinese [illegible] sian-Sinian biostratigraphic [illegible]. p. [illegible]
Pritulkin, A. A. - Some problems of the [illegible] petrology of granitoids in the Lao Mountains (North China). p. 54.
Abramova, T. G. - Zoning of bogs in [illegible] its importance for agriculture as [illegible] studies in the Karelian Isthmus. p. 63
Bulnitskii, V. Kh. - Antarctic shelf [illegible] ology, internal structure, and origin. p. 82
Il'ina, L. S. - Some problems in classification [illegible] lation of dry steppes in the trans-Ural [illegible] the Or' Valley. p. 102.
Maksimov, E. V. - Morphological types of [illegible] northern Tien Shan and their origin. p. 110
Skarlygina, M. D. - Vegetation of the floodplain [illegible] the lower reaches of the Salgir and [illegible] of the Crimean portion of the Sivash [illegible]
Sokolov, D. P. - Using the method of [illegible] measuring the runoff caused by [illegible] water of the Fedchenko Glacier. p. 133
Filenko, R. A. - Characteristics of moisture [illegible] farm lands in Vologda Province. p. 151
Saldov, A. - History of the geographical [illegible] Zeravshan trough in the pre-evolutionary [illegible]. p. 158.
Verzilin, N. N. - Angular and stratigraphic [illegible] formity between the Cretaceous and [illegible] sediments in northern Fergana. p. 164.
Eskin, F. I. - Effect of the hull of a ship on [illegible] ings made by the electromagnetic method [illegible] uring the velocities of currents. p. 169.
Mazurov, G. P. - Formation of the [illegible]. p. 169.
Novikov, E. A. - New data on the age of [illegible] holes in the Caspian steppes. p. 172.
Kamentsev, I. E. - Interesting reports [illegible] raphers. p. 174.
O. A. Konstantinov's 60th birthday. p. [illegible]

Vol. 18, no. 19, 1963. Seriia matematiki [illegible] astronomii [Series in Mathematics, Mechanics, and Astronomy], no. 4.

Table of contents translated

Baiban, M. B. - Analogies of Fichtenholz's [illegible] problem. p. 5.
Bibikov, IU. N. - Study of a dissipative system of second order. p. 14.
Gavurin, M. K. - The value of information. p. 27
Kumit, A. A. - Theory of errors in the [illegible] method. p. 35.
Petrov, V. V. - Limit theorems for large [illegible] when Cramer's condition is not observed. p. 49.
Ramm, A. G. - Study of the scattering [illegible] tain infinite domains. Part 2. p. 69.
Sofronov, E. T. - Stability of the undisturbed [illegible] of a system of three equations in a [illegible] case. p. 77.
Aleshkov, IU. Z. - Optimal placement of [illegible] trajectory corresponding to the required [illegible] of launching. p. 85.
Maslova, N. B. - System of equations describing [illegible] viscous fluid in the special theory of relativity. p. 92.
Mel'nikov, G. I. - Approximate integration [illegible] equations of undisturbed motion in the case of a singular root. p. 112.
Tovstik, P. E. - Normal degeneration and [illegible] value problems. p. 124.
Mel'nikov, O. A., Zhuravlev, S. S. - Photoelectric spectrophotometry of H and K Ca II lines in the center of the disc and mean values for the whole disc (total solar flux). p. 135.
Kagan, A. M. - Some statistical problems related to a certain type of observation. p. 142.

Klaitsya, S.S. - More accurate estimate of the least mean number of comparisons necessary for complete ordering of a finite set. p. 143
Ladneva, L.A. - Determining the effective rate of dissociation of diatomic molecules p. 146.
Lenskoi, D.N. - Representation of prime numbers by polynomials in two indeterminates. p. 150.
Miroshin, R.N. - Dissipation of atoms of a gas on a rough wall formed by unevennesses of two scales. p. 154.

SOVETSKAIA ANTARKTICHESKAIA EKSPEDITSIIA, 1955-1958 Informatsionnyi biulleten' [SOVIET ANTARCTIC EXPEDITION, 1955-1958. Information Bulletin] Leningrad, no. 35, 1962

Table of contents translated

Voronov, P.S., Korotkevich, E.S. - Speed of the recent uplift of the Budd Coast of eastern Antarctica p. 5
Vladimirov, O.K., Karasik, A.M., Malaykin, A.M. - Magnetic susceptibility of rocks of individual nunataks on the Queen Mary Coast and the Wilhelm II Coast. p. 11.
Kulbom, N.N. - Core from the area of Peter I Island p. 14.
Kutkin, V.M. - Change in the accumulation of snow in Antarctica in recent decades. p. 18.
Serlapov, S.T. - Meridional circulation over Antarctica and its connection with planetary circulation. p. 23.
Shchelokov, A.I. - Interception layer in the lower atmosphere over Mirnyy (according to 1961 data) p. 26
Shliakhov, V.I. - Establishment of an airborne observatory. p. 28.
Loginov, V.G. - Study of the flow of icebergs away from the shores of Antarctica p. 31
Dobrovin, L.I. - Brines in shelf ice. p. 35.
Moiseev, B.S. - Results of visual observations of aurora. p. 39.
Smirnov, V.B. - Airborne observations of the drift of nonuniformities in the E Layer in Antarctica p. 43.
Korovalov, G.V. - Observations of birds in Queen Maud Land p. 45.
Lazarev, G.E. - Methods of determining heights in Antarctica. p. 49.
Korotkevich, E.S. - Atlas of Antarctica. p. 56
By radio from Antarctica. p. 59.
Bardin, V. - Grooves in rocks. p. 63
Faregol'ts, I. - Antarctic research planned by the U.S.A. in 1962. p. 65.
Bibliography. p. 69.

TIFLIS UNIVERSITET. Trudy [UNIVERSITY Transactions] Vol. 101, 1962 Serlia lazykov i literatury Zapadnoi Evropy [Series on the languages and literatures of Western Europe].

Table of contents translated

Khaviasi, G. - Philosophical roots of early German romanticism. p. 5.
Revishvili, Sh I. - Development of the aesthetic views of Marx and Engels in the "Holy family" p. 43.
IAnkeshvili, M.V. - A. Naida's structural analysis p. 63.
Orlovskaia, N.K. - Georgian theme in the works of Carlo Goldoni. p. 81.
Purtseladze, V.V. - Auxiliary verbs in German p. 97
Natadze, M. - Shakespeare's stylistic use of tropes in his early comedy "Two gentlemen of Verona." p. 113.
Panchulidze, D. - Aleksandr Chavchavadze and French literature. p. 123.
Kakabadze, N. - Antithesis of the artist and the burgher in the works of Thomas Mann. p. 139.
Charkhalashvili, Z.D. - "Book of songs" by Heinrich Heine and German romanticism. p. 163.
Dzhinoria, O.G. - F.G. Klopstock's "The Messiah." p. 183.
Oragvelidze, G. - Rhythmic translation of Malakovskii's poetry into French. p. 207.
Bichiashvili, TS.N. - Aspects of exercises in German vocabulary in grade 6 of the Georgian secondary school. p. 225.

b. POPULAR MAGAZINES

AMERIKA; illiustrirovannyi zhurnal [AMERICA ILLUSTRATED] Published by the United States Information Agency. Washington, D.C., no. 87, 1963.

ANGLIIA [ENGLAND]. London, nos. 3-8, 1963

AZIIA I AFRIKA SEGODNIA [ASIA AND AFRICA TODAY] Issued by Institut narodov Azii and Institut Afriki Akademii nauk SSSR [Institute of the Peoples of Asia and the Institute of Africa of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 11, Nov. 1963.

Table of contents translated

Galurev, B. - Peace, independence, and socialism. p. 2.
Turzun-zade, Mirzo - Complete isolation. p. 5.
Stepanov, E. - Solidarity despite those who try to break our unity. p. 7.
Communism means peace p. 9
Beknazar-Iuzbashev, B. - African volcanoes and Peking firecrackers. p. 10.
IAsnev, IU - The tenth anniversary of Cambodian independence p. 14.
Our panorama of international events. p. 16.
Andreev, M. - Great achievement of the Indonesian people. p. 18.
Akhmedzianov, A. - We have met the new India p. 20
Onan, E. - Nigeria has broken the "iron curtain." p. 22.
Kopalin, V. - West Irian has emerged from darkness p. 24.
Bystroletov, D - Katanga in 1937 p. 28
Kolesnichenko, T. - Katanga in 1963. p. 32.
An endless red banner is flying over our heads, verse. p. 35
Kuzgantsev, M. - Honest ancestors and dishonest descendants. p. 36
Malov, A. - "Abstract art for abstract people" p. 38
Petrenko, Oles' - Self-invited guests, novelle. p. 39
Komarovskii, G. - The golden calf rules the screen p. 44
Iiva, Dominique - Water and tears, a story [translated from the Tamil] p. 47
Davidson, Basil - Black mother, excerpts from a book [translated from the English] p. 50.
Artistry and friendship, paintings by Walter Womacka. p. 51.
Pilliatskin, B. - The echo of Brazzaville events p. 55
Zubrov, B - Creation of a foreign country p. 56
Grishin, A - "Floating arsenals" of the Pentagon. p. 56.
Bukatov, B. - The same thing again. p. 57.
Nikolaev, M. - High price. p. 58.
Lafe, G. - Lenin at foreign policy. p. 59.
Akhmedov, G. - Dull slanderer. p. 60.
Galybin, A - What is right in Michael Edwards' remarks? p. 61.
Kalinnikova, E. - Back from a world of delusions. p. 62.
Bogdanov, I. - After a visit to India. p. 63.
Koneev, L. - New face of the sphinx. p. 64

DADZIS [THISTLE] Riga, nos. 21(165), 23(167)-24(168), 1963 [In Latvian]

KAPKAN, chuvashskii satiricheskii zhurnal [TRAP, Chuvash Satirical Magazine] Cheboksary, vol. 23, no 18, Oct 1963 [In Chuvash]

KIRPI [IIRGEHOG]. Baku, no. 20(272), Oct 1963 [In Azerbaijani]

KROKODIL [CROCODILE]. Issued by gazeta [Newspaper] "Pravda" Moscow, vol. 12, nos. 32(1718)-33(1719), Nov. 1963.

KUL'TURA I ZHIZN' [CULTURE AND LIFE]. Issued by Soiuz sovetskikh obshchestv druzhby i kul'turnoi sviazi s zarubezhnymi stranami [Union of Soviet Societies for Friendship and Cultural Relations with Foreign Countries] Moscow, vol. 7, no. 10, 1963

Table of contents translated

Karasev, V. - I am the State! p. 2
Stuma, Melor, - Great success of the people of good will p. 5.
Mezentsev, S. - Genuinely of the people. p. 7
Patolichev, N.S. - We will trade with everybody! p. 9.
Kamenetskii, E. - At the edge of the earth. p. 17.
Leont'ev, B. - Yugoslavia builds communism. p. 22.
Mattalogava, E.A. - Shoulder to shoulder. p. 25.
Kumaramangalam, S. Mohan. - Simple and swift p. 27
The will of all Japanese women. p. 29.
Monalevich, IU. - Scientist who is one of the people. p. 30.
Shemiakin, G.A. - Useful and beautiful. p. 33.
Ponevezhskaia, G. - Sacred resolution of a hero. p. 40.
Shakhov, A.A. - Outer space on earth. p. 41.
Razorenova, M - It awakened the artist in him. p. 45.
Important problems of our day. p. 46.

KULTUUR JA ELU [CULTURE AND LIFE] Issued by Eesti NSV Kultuuriministeerium and Eesti NSV Ametiühingute Noukogu [Ministry of Culture of the Estonian S.S.R. and the Council of Trade Unions of the Estonian S.S.R.]. Tallinn, vol. 6, nos. 11-12, Nov - Dec, 1963. [In Estonian]

LIESMA [FLAME]. Issued by Latvijas LKJS Centrala komiteja [Central Committee of the Lenin Communist Youth League of Latvia]. Riga, nos. 11-12, Nov. - Dec, 1963. [In Latvian]

MEDENIET ZHENE TURMYS [CULTURE AND LIFE]. Issued by Ministerstvo kul'tury Kazakhskoi SSR [Ministry of Culture of the Kazakh S.S.R.]. Alma-Ata, nos. 10-11, Oct.-Nov. 1963. [In Kazakh]

MUSHTUM [PUNCH]. Tashkent, vol. 41, nos. 11(653), 18(660), June, Sep. 1963. [In Uzbek]

NOORUS [YOUTH] Issued by Eestimaa Leninliku Kommunistliku Noorsoouhingu Keskkomitee [Central Committee of the Lenin Communist Youth League of Estonia] Tallinn, vol. 18, no. 11(205), Nov. 1963. [In Estonian]

NOVAIA KOREIA [NEW KOREA]. Published by Izdatel'stvo literatury na inostrannykh iazykakh [Foreign-Language Publishing House]. Pyongyang, no 10(187), 1963.

OGONEK [THE LITTLE LIGHT] Moscow, vol 41, no. 33(1886), Aug. 1963

Table of contents translated

Glezos, Manolis. - Word for my friends. p. 8
Viktorov, V - Following the javelin p 8
Pimenov, V - Life of a communist on stage p. 12.
Angarskaia, M. - Vitamins for the soil p. 12.
Mikhalev, P., Bochinin, A. - Invitation to swimming. p. 14
Dolgopolov, Igor' - Meeting with Delacroix p. 16
Nikolaev, R - Mysteries of the Kirghiz burial mounds p. 17.
Pastukhov, N. - Return of Rodrigos. p. 23.
Zubkov, IU. - It is Sholokhov. p. 25.
Semenov, IUhan. - Execution of the white ataman p. 26.
Serbin, Aleksandr. - Vesnpém in three planes. p. 28

Vol. 41, no. 36(1889), Sep. 1963.

Table of contents translated

Golikov, A. - Friendship strengthened by blood. p. 6.
Dmitriev, E. - Sport of the brave celebrates its 40th anniversary. p. 6.
Coubard, Jacque. - False reasons and worthless arguments. p. 8.
Serbin, A. - Agony of a dictator. p. 8.
Kuprin, O. - Main spring in his breast. p. 9.
Bykov, Nikolai. - Bratsk galaxy. p. 16.
Knorring, O. - Warmth of kind hearts. p. 18.
Sturkov, A. - Son of a marshal. p. 22.
Shergova, Galina. - Khanadil's first dream. p. 26.
Osipova, L. - Sprouts. p. 28.
Morozova, V., Kuz'min, B. - Three hundred thousand in a boot. p. 30.

Vol. 41, no. 37(1890), Sep. 1963.

Table of contents translated.

Pitkordonnyi, D., Grigor'ev, A. - No, they are not taken into consideration! p. 2.
Lerov, L. - Where the sun will rise. p. 3.
Voskresenskii, Evgenii - It is worth thinking about, Ch'in-hsiang! p. 6.
Velichanskii, Leonid. - We want freedom, work and equality right now! p. 7.
Nikol'skii, N. - On the track of "34." p. 13.
Kornilov, IUrii. - Gagarin from Venchi. p. 14.
Meskhi, Ila. - We need you, mountains! p. 16.
Rudin, V. - People, laws and countries. p. 17.
Ovchinnikov, V. - Robbed souls. p. 18.
Pavlov, V. - Conscience of an engineer. p. 23.
TSitovich, G. - Let's help the teachers. p. 20.
Elenskii, G. - The hammer is in orbit. p. 28.

Vol. 41, no. 38(1891), Sep. 1963.

Table of contents translated

Knorring, O. - Kolomna plant centennial. p. 2.
Grigor'ev, IUrii. - Bitter fruit of ignorance. p. 2.
Lebedinskaia, L., Kotov, I. - Escape. p. 4.
Popovkin, E. - Successful day. p. 5.
Tests are delayed again. p. 7.
Substance of life. p. 8.
Plastun, M. - Imagination of an electronic brain. p. 13.
Kafanova, L. - Girls will come back to their "aul." p. 14.
Lavrik, Mikhail. - Somewhere there, across the pass. p. 16.
Nikolai Bykov. - Eternal fire. p. 17.
Chumak, P. - When the sky is yellow. p. 18.
Polekhin, A. - Saturday in school. p. 24.
Ocheretin, V. - Children and garages. p. 25.
IAnkovskii, I.V. - Meetings on the roads of the revolution (to be concluded). p. 26.
Nikolaev, M. - Good morning. p. 29.

Vol. 41, no. 39(1892), Sep. 1963.

Table of contents translated:

Kuprin, V. - "Naryn" means sunny. p. 2.
Shaikin, V. - Grain mounds. p. 6.
Popova, El'vira - Younger sister of the Tret'iakov Gallery. p. 8.
Tolchenova, N. - From the same root. p. 14.
Rylenkov, N. - Key and shield. p. 16.
Anfilov, Gleb - A step to the sun. p. 17.
Aleksandrov, M. - Jump across bad weather. p. 22.
Serbin, Aleksandr - We won't let the provocators in. p. 25.
Priester, Eva - "Main thing is that we have started." p. 26.
Golikov, Aleksei, Kas'ian, Ivan - Reporting from weightlessness. p. 28.
Desiatnikov, Vladimir - Second birth. p. 29.

OTVETY NA VOPROSY TRUDIASHCHIKHSIA [REPLIES TO WORKERS' QUESTIONS] Moscow, no 1(146), Jan 1963

Table of contents translated

Ternovoi, O. - Victories in space are forged on earth. p 2.
Akmambeto , G - Characteristic features of our time. p. 11
Mnasak, M. - Latin America and the socialist countries. p 20
Kapranov, I. - Disinterested friendly assistance is mutually profitable cooperation. p. 28.
Kondrat'ev, V. - What did the transoceanic 'benefactors" bring to Greece? p. 37.
Mikhailov, K. - Pakistan. p. 45.
Alekseev, V - The decree on separation of church and state, and of school and church. p. 50.
Index of articles which appeared in the monthly 'Otvety na voprosy trudiashchikhsia" during 1962 p. 61

PERETS' [PEPPER] Issued by Vydavnytstvo [Publishing House] "Radians'ka Ukraina " Kiev, vol. 23, nos. 19(510)-20(511), Oct. 1963

PILT JA SONA [PICTURE AND WORD] Tallinn, vol 18, nos 10(208)-11(209), Oct -Nov. 1963 [In Estonian]

PIONEER [PIONEER] Issued by ELKNU Keskkomitee and Eesti NSV Pioneerorganisatsiooni Noukogu [Central Committee of the Lenin Communist Youth League of Estonia and the Council of the Pioneers of the Estonian S S. R.] Tallinn, vol. 21, no 11(253), Nov 1963. [In Estonian]

PIONER [PIONEER] Erivan, nos 8,10, Aug., Oct 1963 [In Armenian]

PIONER [PIONEER], Issued by the Central Committee of the Turkmenistan Communist Youth League of Lenin, Ashkhabad, nos 7-8, 10, July-Aug., Oct. 1963 [In Turkmen]

PIONER [PIONEER] Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol. 40, no. 11, Nov. 1963

PIONERIIA [PIONEERS]. Issued by TSentral'nyi komitet Leninskoho komunistychnoho soiuzu molodi Ukrainy and Respublikans'ka Rada Vsesoiuznoi pioners'koi organizatsii imeni V.I Lenina [Central Committee of the Ukrainian Communist Youth League of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, vol. 41, no 11(480), Nov. 1963.

POL'SHA [POLAND] Warsaw, no. 10(110), 1963.

RABOCHE-KRESTIANSKII KORRESPONDENT [WORKERS' AND PEASANTS' CORRESPONDENT] Published by Izd-vo [Publishing House] "Pravda," Moscow, no. 10, Oct. 1963.

RODNYE DALI [BELOVED VISTAS]. Hollywood, Calif , vol 10, nos. 113, 117, Aug., Dec. 1963.

ROVESNIK [CONTEMPORARY]. Issued by TsK VLKSM and Komitet molodezhnykh organizatsii SSSR [Central Committee of the All-Union Communist Youth League of Lenin and the Committee of Youth Organizations of the U. S. S. R.] Moscow, no. 9(15), Sep. 1963.

SEL'SKAIA MOLODEZH' [RURAL YOUTH]. Issued by TsK VLKSM [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 30, no. 11, Nov. 1963.

SHMEL' [BUMBLEBEE]. Alma-Ata, vol. 8, no. 10(93), Oct. 1963.

SLUOTA [THE BROOM] Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania], Vilnius, nos. 21(220)-22(221), Nov. 1963. [In Lithuanian]

SOTSIALISTYCHNA KUL'TURA [SOCIALIST CULTURE]. Organ of Ministerstvo kul'tury URSR [Ministry of Culture of the Ukrainian S. S. R.]. Kiev, no. 10, Oct. 1963.

SOVETSKII SOIUZ [SOVIET UNION]. Moscow, no. 8(162), 1963.

Table of contents translated:

Observer's notes. p. 2.
Voice of your daughters, our planet. p. 4.
From the pages of the press. p. 8.
Rehearsal in a laboratory and recheck in space. p. 9.
Bread and salt. p. 12.
In brief. p. 14.
In a rural store. p. 16.
Kraminov, D. F. - World on thirty-two pages. p. 20.
Drutianov, V., Rybchinskii, IU - Factory, people and aesthetics. p. 22.
Fesenkov, Vasilii, and others - Is the meeting of two civilizations possible? p. 26.
We greet you, earth. p. 28.
Bergol'tsev, L., Kitorov, V - From the private life of a lion. p 30.
About everything. p. 32.
Kropivnitskii, S., Kolodnyi, A. - Severodonetsk, the city of sports p 34.
At the seashore. p. 38
Our interviews. p 40
Apenchenko, IU - Measurement of the present day. p 41.
Everybody should be beautiful. p. 44.
Lunacharskaia, Irina, Golovanov, IAroslav - Physicists report. p 46
Kotlet, IU - Abbas and his friends. p 48
Inventions, discoveries and hypotheses. p 52.
Sports p 53.
Third Moscow festival. p. 54.

No. 9(163), 1963

Table of contents translated:

Notes of an observer. p. 1.
Good beginning. p. 2.
Kotlet, IU. - Deeds follow words. p. 5.
Apenchenko, IU. - Siberia again and oil again. p. 10.
At a Moscow student desk. p. 13.
Made in India. p. 14.
Ruikovich, V., Moev, V. - Agenskalns pines. p. 14.
Markish, D. - Kachkanar, the city of enthusiasts. p. 18.
Behind the facets of crystals. p. 22.
Tunnel under the clouds. p. 22.
From the whole world. p. 23.
About everything. p. 24.
If I could do everything.... p. 26.
"Leningradets" runs south. p. 28.
Theaters, theaters, theaters. .. p. 33.
Main match of the season p. 36.
Sergeev, IU. - Poetry of reinforced concrete. p. 40.
Dikov, E. -Through the barrier of silence. p. 44.
Ten minutes of art. p. 46.
Brief notes. p. 50.
Builders from 46 countries. p. 52.
Forum of the writers of Europe. p. 53.
Sports. p. 54.

No. 10(164), 1963.

Table of contents translated

Notes of an observer. p. 1.
Politics, events and contacts. p. 2
Peace, freedom and socialism. p. 4.
Welcome, honorable comrade harvest! p. 6
We, the students of various continents...." p. 8.
On the tracks of a vanished house. p. 12.
Simakov, V. - Flower parade at the walls of the Kremlin. p. 18
Kushnerovskaia, Galina. - Friendship with life. p. 20.
Brief notes. p. 24.
Dolgopolova, M. - "Siluet"; fall motifs. p. 26.
Russov, Anatolii. - I was entrusted with. .. p. 28.
Trade Unions of the U. S. S. R. p. 30.
Breath of the earth. p. 32.
Litvinova, L. - Denis Diderot. p. 34.
About everything. p. 36.
Russian autumn. p. 38.
Letters about beauty. p. 40.
Gaisar'ian, Suren. - Sayat'-Nova. p. 42.
Vladimirov, D. - Three operations. p. 42.
Lebedinskii, A. - What humanity has escaped from. p. 44.
Khalipa, IA. - In the best light. p. 44.
Andreev, L. - Return of Vladimir D. p. 46.
Moev, V. - Meeting of the seas. p. 50.
Inventions, discoveries and hypothesis. p. 52.
Naidich, L. - Address, "Jewel Island." p. 53.
Our guests. p. 54.
Egorov, V. - Triumph of the Soviet giants. p. 55.

SOVREMENNAIA MONGOLIIA [CONTEMPORARY MONGOLIA]. Ulan Bator, vol. 8, no. 6(65), July [i. e. June], 1963.

Table of contents translated:

IU. TSedenbal's answers to the questions of a Reuther Agency correspondent. p. 1.
Dolzhin, T. - Children are our future. p. 2.
Sangidanzan, D. - Constitution of the Mongolian People's Republic. p. 4.
Choizhilzhav, B. - Three years have passed. p. 5.
Zorig, D. - Everything for man. p. 6.
TSend-Aiushch, D. - Courage. p. 8.
We build socialism side by side with friends. p. 9.
Lkhamsuren, Ch. - Lop-eared kid. p. 10.
In a rural school. p. 12.
Erdene, S. - Senior blacksmith. p. 14.
Enkhe, L. - S. IA. Marshak in Mongolia. p. 16.
Dovchin. - From the history of studying fossil animals in Central Asia. p. 18.
Legzhima, I. - Excursion to a museum. p. 20.
Across our land. p. 22.

UKRAINA [THE UKRAINE] Published by Vydavnytstvo "Radians'ka Ukraina" [Publishing House "Radians'ka Ukraina"]. Kiev, no. 13(292), July 1961

Table of contents translated

Podolian, Mykola. - Kiev, our heroic city, verse. p. 1.
Kuslian, Halyna, Skrypnyk, Mariia, Shvets', Anna. In the Land of our fathers. p. 2
Letskan, Leonid, Sunkin, M M. - Performances, meetings, and impressions. p. 4
Heroic deeds of the Soviet people p. 6.
This is the only reasonable way. p. 6.
Tsekota, Viktor - He who moves the mountains p 7
Il's'kyi, Kh. - The Second Moscow Festival p. 8
Kizub, Kost'. - A "field teacher." p. 9.
P'ianov, Volodymyr. - The bard of our time p 11
Viktorov, B. - Oleksandr Mamaykin discovered p. 12.
Ivanchenko, P. - Ent to your pleasure! p 13
News stories of the periodical "Ukraina." p 14.
Polianovs'kyi, Mykh. - All the Ventriloquists were motion-picture actors. p. 15.
Olihnyk, V. - A museum in the village of Tsvit p. 15.
Levchenko, M. - The hero of this play is the Soviet people. p. 16.
Volivach, Valentyn. - Wind from the Past. p. 18
Brodovs'kyi, B. - T. Shevchenko's unknown letter p. 18.
Kholodnyi, M. - There is a painter in the city of Mirgorod. p. 19.
Burkatov, B. - A thorough characterization of two ages. p. 20.
Romanika, Mykola. - A book by a great aphorist p. 20.
Riaboklinch, Ivan. - Strange events, a story. p 21
Krotevych, Ievhen. - Mykola Vilalliovych Lysenko p. 25.
Our guests. p. 26.
Diachenko, Oleksandr. - Petro Pavch, on his 75th birthday. p. 27.
Faktorovych, M. - Presents from Repin p. 27
Interesting discoveries. p. 30.
Tsynkovs'kyi, I. - Dreams; a song. Music by O. Pashlash. p. 31.
Sosnova'kyi, B. - A settlement without a population. p. 32.

No. 21(300), Nov 1961

Table of contents translated

Pryliuk, Dmytro. - Glowing lights of our life p. 2.
Servile, Michel de. - Greetings from the Ukraine p. 4.
Andriushchenko, Mykola. - Beautiful, fine, and fearless. p. 5.
Forever! p. 6.
Danylov, O. - The titan of Russian literature p. 7.
Voron'ko, Platon. - I see the new summits, verse p. 9.
Romanika, Mykola. - The beauty of work. p 9
Uhliarenko, Petro. - A heart operation, a story p. 11.
IEremenko, V. - Angola is breaking its chains p. 14.
Lemeshko, K. - Heroic deeds of our time, performance of the future. p. 16.
Osypov, Oleksandr. - Man and the conquest of outer space. p. 17.
Kashtanov, V. - For you, things which the viewers cannot see. p. 18.
Kolobkova, M. - Their pens and brushes. p. 21
Sydorenko, Kost'. - Vice-chairman of a collective farm in charge of medicine. p 21.
Roslyk, Mykhailo. - Contemporary of Lesia Ukrainka p. 22.
Kravchenko, IEvhen. - Love and sour milk, a humorous story. p. 23.
Putra, Andrej. - A dream which came true [translated from the Slovak]. p. 25.
Kuperman, I., Bars'kyi, IU. - On 100 squares. p. 27.
Luk'ianenko, O. - From silver to gold. p. 28
At the break of dawn. p. 30.
Nikitnshenko, Sevir. - Klitochka; a story. p. 31

No. 19(322), Oct. 1962.

Table of contents translated:

Zaglada, N. G. - Our friend the agronomist. p 2.
Mykhal'chuk, M. - Keep away from Cuba! p 2.
Vladro, Sh. - Fifteen Sergeev-TSenskii Streets. p 3
Shykan, V. - Our country's heart of steel. p 4
Nidze, Mykhailo. - Remaining aggressors are fearful p. 6.
Zhurakhovych, Semen. - Blue evening, a story. p 9
Zaslavs'kyi, I. - A "palace" on Khortitsa Island p. 10.
Zhukovs'kyi, V. - Close to the invisible border line p. 12.
Korotiukov, O. - The 30th Pierre. p. 14.
Kavets'kyi, R, IE. - Cancer is losing its ground. p. 15.

Chernyi, Volodymyr. - At the crossroads of Asia. p.16.
Lavrenko, F. - Now it's the volleyball p 18.
Honchrenko, V. - Pilots of tiny airplanes. p. 19.
Vu Bok Ai. - Fish, a story [translated from the French]. p 21.
Bilkun, Mykola. - He came from the midst of the people and he works for them. p. 24.
Poltoran, Mykola - A proud person, a story. p. 26.
New scientific discoveries and technological innovations. p. 26.
Khandros, Borys. - The Tendra Peninsula. p. 27.
Zherko, H. - First map of the Dnieper p 28
Voronko, Platon. - When I come back to Kiev, verse. p. 29.
Kolesnyk, V. - Humorous stories of young writers. p. 31.

URAL'SKII SLEDOPYT [URAL PATHFINDER]. Issued by Sverdlovskoe otdelenie Soiuza pisatelei and Sverdlovskii otkom VLKSM [Sverdlovsk Branch of the Association of Writers and the Sverdlovsk Province Committee of the All-Union Communist Youth League of Lenin]. Sverdlovsk, no. 10, Oct. 1963.

UZBEKISTON [UZBEKISTAN]. Tashkent, vol. 22, no 7(259), July 1963.

Table of contents translated:
To the stars! p. 1.
Decision of the plenum of the Central Committee of the CPSU. p. 2.
Kulikov, V.N. - "White gold" territory. p. 5.
Akhmedova, N. - In the shady lanes of a park. p. 7.
Teplinkov, A. - From whatman paper to a conveyer. p. 8.
Berezniak, B. - Hardening of steel. p. 9.
Sharman, M. - Glory in work and in sports. p. 10.
Koditov, IU. - "Blue fire" marches north. p. 13.
Poltkin, D. - "From spring to spring." p. 14.
Poet Uigun relates. p. 20.
Blok, A. - Homeland or death! p. 26.

ZA SYNIM OKEANOM [BEYOND THE BLUE OCEAN]. New York, vol. 6, no. 3/4, Apr.-May 1963.

ZHIZN' SLEPYKH [LIFE OF THE BLIND]. Organ of TSentral'noe pravlenie Vserossiiskogo obshchestva slepykh [Central Administration of the All-Russian Society of the Blind]. Moscow, vol. 40, no. 8/9, Aug.-Sep. 1963.

ZVAIGZNE [THE STAR]. Riga, vol. 14, nos. 21(319)-24(322), Nov.-Dec. 1963. [In Latvian]

2. BIBLIOGRAPHY

a. BIBLIOGRAPHY

AKADEMIIA NAUK SSSR Biblioteka. Novye inostrannye knigi, katalog novykh postuplenii.... [ACADEMY OF SCIENCES OF THE U. S. S. R. Library. New Foreign Books; Catalog of New Accessions....]. Leningrad, nos. 1(128)-8(135), 1963. Ukazatel' k nos. 1(112)-12(127), 1962 [Index to nos. 1(112)-12(127) for 1962]

GOSUDARSTVENNAIA KNIZHNAIA PALATA UZBEKSKOI SSR. Knizhnaia letopis' [STATE BOOK CHAMBER OF THE UZBEK S. S. R. Book Chronicle]. Tashkent, nos. 1-3, Jan.-Mar. 1959.

INFORMATSIONNYI UKAZATEL' BIBLIOGRAFICHESKIKH SPISKOV I KARTOTEK, SOSTAVLENNYKH BIBLIOTEKAMI SOVETSKOGO SOIUZA [INFORMATION INDEX OF BIBLIOGRAPHICAL LISTS AND CARD FILES, COMPILED BY THE LIBRARIES OF THE SOVIET UNION]. Issued by Gosudarstvennaia biblioteka SSSR [State Library of the U. S. S. R.]. Moscow, vol. 7, no. 10, Oct. 1963.

JAUNAS GRAMATAS [NEW BOOKS]. Riga, no. 10(64), Oct. 1963. [In Latvian]

KNIZHNAIA LETOPIS' [BOOK CHRONICLE]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos. 45-47, 1963.
——————Dopolnitel'nyi vypusk [Supplementary Issue], no. 10, 1963.

LATVIJAS PSR PRESES HRONIKA. LETOPIS' PECHATI LATVIISKOI SSR [CHRONICLE OF PUBLICATIONS OF THE LATVIAN S. S. R.]. Issued by Latvijas PSR gramatu palata [Book Chamber of the Latvian S. S. R.]. Riga, no. 9, Sep. 1963.

LETOPIS' GAZETNYKH STATEI [CHRONICLE OF NEWSPAPER ARTICLES]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no. 10, 1963.

LETOPIS' RETSENZII [CHRONICLE OF REVIEWS] Published by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no. 4, 1963.

LETOPIS' ZHURNAL'NYKH STATEI [CHRONICLE OF PERIODICAL ARTICLES] Published by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos. 30-43, 1963.

LITERATURA O ZAPADNOI SIBIRI, 1960. [LITERATURE ON WESTERN SIBERIA, 1960]. Issued by Novosibirskaia oblastnaia biblioteka [Novosibirsk Province Library]. Novosibirsk, no 2, 1962.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 1: Fiziko-matematicheskie, khimicheskie i gcologo-geograficheskie nauki; tekhnika i tekhnicheskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, Chemical, Geological, and Geographical Sciences; Technology and Technological Sciences]. Vol. 8, nos. 30-33, Oct.-Nov. 1963.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 2: Biologicheskie, meditsinskie i sel'skokhoziaistvennye nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological, Medical, and Agricultural Sciences]. Vol. 6, nos. 30-33, Oct.-Nov. 1963.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 3: Obshchestvennye nauki, khudozhestvennaia literatura, iskusstvo [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art]. Vol. 6, nos. 30-33, Oct.-Nov. 1963.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Knigi 1953 goda, rekomendatel'nyi ukazatel' literatury dlia bibliotek [PUBLIC LIBRARY. Books of the year 1953; Index of Recommended Literature for Libraries]. No. 12, 1954.

NAUJOS KNYGOS [NEW BOOKS]. Vilnius, no. 5(29), Sep.-Oct. 1963. [In Lithuanian]

NOVAIA LITERATURA O NAUKE I NAUCHNO-ISSLEDOVATEL'SKOI RABOTE ZA RUBEZHOM [NEW LITERATURE ON SCIENCE AND RESEARCH ABROAD]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 7-9, 1963.

NOVAIA LITERATURA PO BOLGARII [NEW LITERATURE ON BULGARIA]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 8/9, 1963.

NOVAIA LITERATURA PO GERMANSKOI DEMOKRATICHESKOI RESPUBLIKE [NEW LITERATURE ON THE GERMAN DEMOCRATIC REPUBLIC]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 7-9, 1963.

NOVAIA LITERATURA PO IUGOSLAVII [NEW LITERATURE ON YUGOSLAVIA]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 9, 1963.

NOVAIA LITERATURA PO POL'SHE [NEW LITERATURE ON POLAND]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 7/8-9, 1963.

NOVAIA LITERATURA PO VENGRII [NEW LITERATURE ON HUNGARY]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 8-9, 1963.

NOVAIA SOVETSKAIA I INOSTRANNAIA LITERATURA PO STRANAM ZARUBEZHNOGO VOSTOKA [NEW SOVIET AND FOREIGN LITERATURE ON THE COUNTRIES OF THE NON-SOVIET EAST]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 9, 1963.

NOVAIA SOVETSKAIA LITERATURA O NAUKE I NAUCHNO-ISSLEDOVATEL'SKOI RABOTE V SSSR [NEW SOVIET LITERATURE ON SCIENCE AND GENERAL RESEARCH IN THE U. S S. R.]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U S. S. R.] Moscow, no 10, 1963.

NOVYE KNIGI; bibliograficheskii ezhenedel'nik [NEW BOOKS, Bibliographical Weekly]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, vol. 8, nos. 45-48, Nov. 1963.

NOVYE KNIGI SSSR [NEW BOOKS OF THE U. S. S. R.]. Issued by Vsesoiuznoe ob"edinenie "Mezhdunarodnaia kniga" [All-Union Association "International Book"]. Moscow, nos 44-46, Nov. 1963.

NOVYE KNIGI ZA RUBEZHOM PO OBSHCHESTVENNYM NAUKAM; ekonomika, filosofiia, istoriia, mezhdunarodnye otnosheniia [NEW FOREIGN BOOKS ON THE SOCIAL SCIENCES, Economics, Philosophy, History, International Relations]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 6, no. 11, Nov. 1963.

SOVETSKAIA BIBLIOGRAFIIA [SOVIET BIBLIOGRAPHY]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no. 5(81), 1963.

Table of contents translated:
Serebrennikov, A.I. - Current problems of State bibliography and the statistics of the press. p. 3.
Levina, S.S. - Natural sciences, self-education, and the bibliography of recommended literature. p. 14.
Vitchevskaia, G.E. - The fortieth anniversary of the journal "Bibliotekar'." p. 26.
Filimonov, M.R., Maslov, D.P. - Bibliographical work of the library of Tomsk University. p. 31.
Pshedetskii, M.I. - Problems in the description of publications of the Russian Social Democratic Party and their representation in the alphabetic catalog. p. 37.
Vvedenskii, T.A. - Practices in using foreign bibliographical information. p. 43.
Morgenshtern, I.G. - Problems in the subject bibliography of belles lettres. p. 46.
Bespalov, M.N. - Timely bibliographical manual. p. 60.
The bibliographical series "Books about nature and her laws." p. 63.
Sadof'ev, A.F. - The publication "Living nature." p. 65.
Chernak, A.IA. - The publication "Physics and chemistry." p. 68.
Kaufman, I.M. - Tables of Russian bibliography. p. 72.
Mil'man, L.M. - Bibliography of the literature about rare alkali metals. p. 77.
Kondrat'eva, IU.G. - Timely bibliographical publication. p. 79.
Malkovich, L.I. - Bibliography of literature on motion pictures. p. 81.
Kaplan, E.I. - Catalog of amateur radio equipment. p. 84.
Kats, R.S., Komskaia, M.S. - "Clays of the Ukraine." p. 86.
Orlov, N.N. - Annual catalog of the State Scientific and Technical Publishing House of Literature on Machinery. p. 87.
Osipova, I.P. - Handbook on magnetic tapes. p. 88.
IAkhina, I.N. - Guide to "Studies." p. 90.
New volume of the "Chronicle of periodical publications of the U.S.S.R." p. 92.
Kanevskii, B.P. - Problems of bibliography and documentation in the Arab countries. p. 93.
Kuryleva, T.E. - Guide to current British periodicals. p. 102.
Dreizenshtok, I.B. - New abstract journal in the U.S.A. p. 104.
Brief news. p. 105.

b. LIBRARIES & LIBRARY SCIENCE

BIBLIOTEKAR' [THE LIBRARIAN]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, no. 9, Sep. 1963.

Table of contents translated:
Kamshalov, A. - Educate active builders of communism. p. 1.
Zubov, IU. - Reliable compass. p. 4.
Shunkov, V. - Program of our activities. p. 7.
Kondakov, I. - The plenum imposes a responsibility. p. 8.
Shchukina, Z. - Let us spare no efforts. p. 14.
Voronova, T. - The principle of party participation in the work of libraries. p. 17.
Cherdzhieva, R. - Approach each reader skillfully. p. 21.
Voroshchagin, N. - In the library of the trawler fleet. p. 23.
Zelepuza, M. - In step with collective-farm members. p. 26.

Lobotskaia, E. - Make patent literature available to farm mechanics. p.28.
Veitsman, V. - Striding into tomorrow. p.30.
Chapygina, I. - Librarian's diary. p.33.
Kuznetsov, E. - Shelves for children's libraries. p.37.
Mavricheva, K. - What's preventing us? p.39.
Marchenko, M. - For public libraries. p.43.
Vasilenko, M. - How they made a library. p.44.
Shikov, V. - For themselves. p.45.
Mantsonov, A. - Reference work in regional studies. p.46.
Tlangiriadov, Z. - In a region of incalculable wealth. p.48.
Kuluzova, L. - Our slogan today know more than yesterday. p.50.
Grzhibovskia, O. - New team p.52.
Zarubina, M., and others. - Develop interlibrary loans. p.54.
Kuznetsova, N. - Make active use of the collections. p.56.
Amirian, A. - Save the people's pennies. p.57.
Oven, O. - This is not practicable. p.58.
Kurbatova, V. - Such courts are necessary. p.59.
Kalnacha, B. - Noted Latvian librarian. p.60.
Letters to the editor. p.61.
New books. p.63.

No.10, Oct. 1963.

Table of contents translated

Publisher and the library. p.1.
Semichastnyi, M. - Triumph of the Lenin principles of ideological work. p.4
In close contact with life. p.9.
Slukhovskii, M. - How it began. p.14.
Readers about our periodical. p.15.
Malakhov, A. - On the Virgin Territory. p.20.
Samsonov, V. - Greater exactingness. p.22.
Konakh, A., Khoroshaeva, L. - Library distinguished for its work. p.24.
Kivkutsan, V. - Books at the place of work. p.26.
IAkovleva, T. - Giving one's attention to the lumbermen. p.29
Golub, A. - Gratitude of the readers. p.30.
Materials on posters. p.32.
Nevskaia, O. - That they may grow up worthy of a great era. p.34.
Man'ko, I. - It helps to study the social sciences. p.36.
Davidenko, T. - From the Pioneer laws to the moral code. p.38.
Shitunova, L. - For the new man. p.41.
Stel'mekh, V. - Invading the remotest hiding places. p.45.
Dobrynina, N. - Here they love Russian literature. p.45.
IAkovleva, V. - The active group is the support of the library. p.47.
Kulikov, A. - Young booklovers. p.48.
Semenov, M. - It is necessary to know in order to do propaganda work. p.49.
Mar'in, P. - Our basic library. p.52.
Firsov, G. - Cataloging of periodical publications. p.53.
Durovcik, S. - Centenary of Matica slovenska. p.55.
Zakharova, L. - Formalism hides books. p.58.
Kustov, K. - Approaching the problem with concrete proposals. p.59.
Ivanova, S. - Concerning a remark. p.60.
Papendiki, B. - More on the "Unified rules." p.61

BIBLIOTEKI SSSR [LIBRARIES OF THE U.S.S.R.]. Issued by Gosudarstvennaia biblioteka SSSR imeni V.I.Lenina [Lenin State Library of the U.S.S.R.]. Moscow, no 23, 1963. Opyt raboty [Work experience].

Table of contents translated:

Vaneev, A.N. - Organizing the study and the dissemination of the practices of public libraries in the R.S.F.S.R. p.3.
Kuzhel'kova, E.I. - Bring library books to every worker. p.19.
Zotova, R.Z. - Making books available to every family, every worker, and every employee. p.30.
Bakusheva, N.I., Zhestianikova, L.L. - At the service of agricultural science and production; the 125th anniversary of the Leningrad Division of the Central Agricultural Library. p.38.
Kernes, I.V., Rubenau, L.S. - Organization of work with the public in the Leningrad Public Library. p.53.
Kovalenok, L.V., Smirnova, N.A. - Setting work norms in public libraries of the R.S.F.S.R. p.65.
Voronova, T.V. - Use of the sampling method in library statistics. p.86.
Birzovich, V.L., Kleinman, G.A., Loskhina, E.I. - Recataloging and reclassifying library collections; practices of the Moscow University Library. p.96.
Zmeeva, N.IA. - System of training personnel and improving qualifications in the service department of the Leningrad Public Library. p.114.
Abramov, K.I. - First illegal workers' library in St. Petersburg. p.125.

INFORMATSIIA O BIBLIOTECHNOM DELE I BIBLIOGRAFII ZA RUBEZHOM, sbornik materialov [INFORMATION ABOUT LIBRARY WORK AND BIBLIOGRAPHY ABROAD, Materials]. Moscow, Jan.-June, 1963.

3. PHILOSOPHY & RELIGION

a. PHILOSOPHY

KNIGA, issledovaniia i materialy [THE BOOK, Studies and Papers]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, vol. 8, 1963.

Table of contents translated

Nemirovskii, E.L. - Accounts of the historiography of early Russian printing p.5
Boiarskii, V.A. - Popular scientific publications of the Academy of Sciences of the U.S.S.R. p.45
Komkov, G.D. - Soviet book publishing during the Great Patriotic War p.66
Rakovich, A.I. - Promoting books in White Russia p.82
Lapshin, M.A. - Author, editor, and book, an editor's notes p.102.
Kuznetsov, E.D. - The design of children's books before the revolution, 1901-1917 p.135
Shitsgal, A.G. - Russian Dicot types, characteristics of design and their application to Russian books before and after the revolution p.168.
Kudriavtsev, I.M. "Publishing" activity of the Ambassadorial Department, history of the Russian manuscript book in the second half of the 17th century p.179
Simmons, J.S.G. - Some early printed Cyrillic books in Dublin p.245
Klepikov, S.A. - Publications of the Novgorod-Severski printing house and the false Chernigov publications of 1674-1679 p.255
Markushevich, A.I. - Sources for the Amsterdam publication "Simvoly i emblemata" (1705) p.279
Isaevich, IA.D. - Early printed Cyrillic books in collections of the Polish People's Republic (Warsaw, Krakow, and Breslau). p.291
Knizhnik-Vetrov, I.S. - N.P. Poliakov, publisher democrat of the 1860's p.297
Nazarov, A.I. - Books in present-day bourgeois society p.315
Berkov, P.N. - The private libraries of three Russian writers (Lomonosov, Pushkin, M. Gor'kii). p.349.
Aref'eva, E.P. - N.A. Rubakin, the book collector, and his libraries in the Soviet Union p.377.
Fridkes, L.M. - Are "Chekhov's Complete Works" really complete? A newly found text p.403
Golubeva, O.D. - The Writers' Publishing Association, 1911-1914 p.410.
Breitburg, S.M. - Maksim Gor'kii's book debut according to unpublished materials p.431
Klevenskii, M.M. - Russian books in the collections of the Moscow Public Library p.456
Chronicle of bookstore p.473.
In memory of N.N.Kukharkov. p.488.

RASPROSTRANENIE PECHATI [DISTRIBUTION OF PUBLICATIONS]. Issued by Glavnoe upravlenie Soiuzpechati Ministerstva sviazi SSSR [Main Administration for the Distribution of Printed Matter of the Ministry of Communications of the U.S.S.R.]. Moscow, no. 10, Oct. 1963.

SOVETSKAIA KNIZHNAIA TORGOVLIA [SOVIET BOOK TRADE]. Organ of Ministerstvo kul'tury SSSR and TSentral'nyi soiuz potrebitel'skikh obshchestv SSSR [Ministry of Culture of the U.S.S.R. and the Central Union of Consumers Societies of the U.S.S.R.]. Moscow, vol 15, no. 10, Oct. 1963.

Table of contents translated:

More books for rural workers. p.1.
Trokhimenko, S. - Make greater use of public initiative p.3.
Resources, experience, and life. p.6.
Appeal of the participants in the All-Union Congress of Workers in the Book Trade of Consumer Cooperatives. p.11.
In the Central Union of Consumers' Cooperatives. p.13.
The greater the knowledge, the firmer the step. p.15.
Mikova, A. - In the drive for the distribution of books among the masses. p.17.
Zasukha, A. - Booklovers. p.19.
Raskin, L. - The rural reader is waiting for these books. p.20.
Gliteva, P. - Don't rest on your laurels. p.22.
Moiseev, S. - Improve the publication of agricultural books. p.23.
Skatova, V. - Our first. p.26.
Barnikov, V. - Wholesale operations of consumer cooperatives. p.27.
Gorlov, A. - New equipment for rural stores. p.29
Matorov, S. - Take political books to the people. p.31
Borovkova, V. - For the school year. p.34.
Party and government control in action. p.34.
Sergeev, N. - Best "Military Books" bookstores. p.
Abakumov, V. - After the Plenum of the Central Committee of the CPSU. p.36.
Chernaia, A. - Plan and people. p.40.
Letters to the editor. p.41.
Uzbakhanov, N. - In the wonderful world of books. p.43.
New publications. p.45.
Legal advice. p.46

NOVAIA SOVETSKAIA LITERATURA PO FILOSOFII [NEW SOVIET LITERATURE ON PHILOSOPHY]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 8-9, 1963.

VOPROSY METODIKI PREPODAVANIIA MARKSISTSKO-LENINSKOI FILOSOFII V VUZAKH [METHODOLOGICAL PROBLEMS IN TEACHING THE MARXIST-LENINIST PHILOSOPHY IN THE INSTITUTIONS OF HIGHER LEARNING]. Issued by Kafedra dialekticheskogo i istoricheskogo materializma Instituta povyshenia kvalifikatsii prepodavatelei obshchestvennykh nauk Moskovskogo gosudarstvennogo universiteta [Department of Dialectical and Historical Materialism of the Institute for Raising the Qualifications of Teachers of Social Sciences of the Moscow State University]. Moscow, no 1, 1963.

Table of contents translated

Krasin, IU.A., Shtraks, G.M. - Some methodological problems concerning the teaching of dialectical and historical materialism in the institutions of higher education p.3.
Meizon, L.S. - Recommended methods for an introductory lecture and student conferences on F. Engel's work "Ludwig Feuerbach and the death of classical German philosophy." p.30.
Chudinov, E.M. - Recommended methods for a lecture on "Dialectical materialism and present-day natural sciences." p.54.
Malyshev, I.V. - Recommended methods for a lecture on "Common people as the decisive force of social development; role of the individual in history." p.71.
Davidovich, V.E. - Recommended methods for a lecture on "Society and the individual, all-round development of the individual." p.97.
Stulov, N.G. - Some methodological problems in lecturing on "Social psychology and its role in social development." p.113.
Batenin, S.S. - Recommended methods for conferences on and examinations in dialectical and historical materialism. p.134.
Aznaurov, A.A. - Methodological problems in the organization of independent work by students. p.150.
Erunov, B.A. - Discussing the problems of historical materialism at student conferences. p.164.
Dudel', S.P. - Test papers on Marxist-Leninist philosophy in the correspondence institutions of higher education. p.179

b. RELIGION

BRATSKII VESTNIK [HERALD OF BROTHERHOOD]. Issued by Vsesoiuznyi sovet evangel'skikh khristian-baptistov [All-Union Council of Evangelical Christians and Baptists]. Moscow, no.4, 1963.

Table of contents translated:

Christian theses of peace. p.3.
Communiqué of the committee "Peace and Disarmament" of the Christian Peace Conference. p.4.
Zhidkov, IA.I. - Journey to Warsaw. p.8.
Mitskevich, A.I. - Visit to the United States of a delegation of church officials from the U.S.S.R. p.9.
Karev, A.V., Mitskevich, A.I. - Congress of Baptist of the German Democratic Republic in Leipzig. p.15.
Konoplev, N.P. - Apostle Peter. p.18.
What does the Bible tell (to be continued). p.24.
Mitskevich, A.I. - Thoughts from the Acts of the Apostles. p.35.
Karev, A.V. - Joshua, son of Nun (conclusion). p.38.
Somov, K.V. - Church of Christ and its clergy. p.53.
Bible passages requiring clarifications. p.66.
Zhidkov, IA.I. - Visiting parishes of Evangelical Christians and Baptists in Kiev and Kharkov. p.73.
Motorin, I.I. - In Central Asia. p.75.
Shmits, K. - Life and activity of Baptists in Latvia. p.79.

NAUKA I RELIGIIA [SCIENCE AND RELIGION]. Issued by Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii [All-Union Society for the Dissemination of Political and Scientific Knowledge]. Moscow, no. 2, Feb. 1963.

Table of contents translated:

The party program is a guide to action; the 22nd Congress of the CPSU and the tasks of atheistic propaganda (to be continued). p.3.

Every intellectual should be a promoter of atheism. p. 15
Bolenkin, D - The assault upon the depths of the earth p. 19
Karpasov, I - The invisible city of Kitezh p. 22.
Jaroszewski, Tadeusz. - The struggle cannot be weakened. p. 28.
Jurin A - Angels sowing death p 29
Chistikov, A - The "blessed meekness" thirsts for blood. p 34
Facts are revealing p. 37.
Rankovich, A. - Christian sacraments. p. 38.
Volchanin, A - The Rasputin movement. p. 40
Kogan, R - Secular or ecclesiastical education? p. 44
Rukhov, S. - Undefeated passion p. 47.
Religion and church abroad. p. 49.
Pirogov, E. - A sign of the decline of faith p. 51.
Putintsev, V. - "Kolokol" sounds the alarm p. 55.
Miroshnikh, Emel'ian - . . Let the darkness disappear! p. 59.
History of the "Great Jihad." p 63.
Svetov, A - They overlooked something. p. 65
The people on religion p 67
Olshanskii, A. - Old Voronikha and the angel. p. 68.
Wise thoughts p. 76
Rafiushkii, M. - Marx and Engels on Islam p 77.
Kosmapov, F. - Thanks to people. p. 81.
Karasev, N - A serious warning p 82
Murachev, I. - Liudmila Prudnikova's victory. p. 85.
Why? p 87
Animism. p 88.
Shishakov, V - A predecessor of "Bezbozhnik." p. 90
Semenov, M. - The light of knowledge and the "light" of faith. p 92.
Lebin, V - If you look for God you won't find anything p. 93.
New books. p. 94.
Questions and answers. p 95.
In memory of Archibald Robertson (1886-1961). p. 96

Vol. 4, no 8, Aug. 1963.
Table of contents translated.
Frantsov, IU - The new stage of atheistic education.
Grishus, V. - How we work with believers. p. 5.
Nosikov, L - Is the teleology in live nature a work of God? p. 9.
Moiseev, I - A present-day theologian and the problem of teleology. p. 16
Kondratov, A. - The anatomy of creation. p. 20.
Gordienko, N - The Orthodox Church and the social ideals of communism. p. 23.
Aleksandrov, IU. - Candle trade. p. 28
Semenov, A. - In the country of birch islands. p. 32.
Kuznetsov, I. - The guard of the dictators of Venezuela. p. 37.
Gorshin, S. - Historical truth and the "honor of the sultans" p. 41.
Religion and church abroad. p. 41.
Kichanova, L. - What the Vatican bells announce. p. 46.
Samel'nikov, I. - Joannes Chrysostomus. p. 49.
Nosov, E. - Shut up; a story. p 54.
Al'tshuler, M. - Love your neighbor, but do not overheat the food p 62.
Grudinin, N - Do you love your children? p. 66.
Evdin, P. - Uncle IAkov. p. 69.
Skaripov, U. - Incomprehensible complacency. p. 73.
They "helped" Sergei. p. 75.
Freedom of conscience. p. 78.
An artist and atheist. p. 81.
Anniversaries. p. 85.
The Orthodox Church calendar through the eyes of an atheist. p. 86.
Lazarev, I. - Shadows of the past. p. 88.
Martianov, B. - A chrestomathy on atheism. p. 89.
Lukachevskaia, L. - For young readers. p. 91.
Questions and answers. p. 95.

NOVAIA SOVETSKAIA I INOSTRANNAIA LITERATURA PO VOPROSAM RELIGII I ATEIZMA [NEW SOVIET AND FOREIGN LITERATURE ON THE PROBLEMS OF RELIGION AND ATHEISM]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 7, 1963.

ORTHODOX EASTERN CHURCH, RUSSIAN. Patriarch. Zhurnal Moskovskoi Patriarkhii [Journal of the Moscow Patriarchate]. Moscow, no. 8, Aug. 1963.
Table of contents translated:
Solemn celebration of the 50th anniversary of the episcopacy of His Holiness Patriarch Aleksii. p. 3.
Greetings received by His Holiness Patriarch Aleksii on the occasion of the 50th anniversary of his episcopacy. p. 6.
Election of Pope Paul VI. p. 9.
Easter greetings from the Coptic Patriarch. p. 10.
Leonti, Bishop, Taras'ev, V. - Celebrations of the 50th anniversary of the episcopacy of His Holiness Patriarch Aleksii in parishes abroad (in Damascus and Belgrad). p. 11.
Komarov, K. - Celebration of the holiday of Slav Apostles at the Trottse-Sergieva Monastery and in Moscow theological schools. p. 12.
Rusakov, M. T. - End of the academic year in theological schools in Leningrad p 13.
Kravchenko, A. N. - End of the academic year in the Odessa Theological Seminary. p 15.
Visit to Helsinki of the ecclesiastical superintendent of patriarchal parishes in Finland p. 16.
Agafangel, Hieromonk. - Patron Saint day at the Russian Orthodox Church Mission in Jerusalem. p. 17.
News from the Argentinian diocese. p 19.
News from the dioceses. p 20
Aleksii, Hieromonk. - Hermit and Superior Stefan (Iazarev), obituary. p. 20.
Professor Nikolai Ivanovich Murav'ev; obituary. p 22
Gnedich, P. - Sermon for the 12th week after Pentecost p. 24.
Timofeev, G. - Sermon for the Assumption. p 26
Parfiskii, L. N - God's tolerance towards man is a summons for a dialogue and a work for securing human existence in the atomic age. p 29.
Sokolovskii, P - Celebrations of the anniversary of Cyril and Methodius in Czechoslovakia. p. 35.
Aleksii, Archimandrite. - Gerasim Masaira, Metropolitan of Beirut. p. 36.
Preobrazhenskii, S. - For the Fourth Universal Conference "Faith and Church Organization." p. 41.
Vvedenskii, V. - Transfiguration of our Lord. p. 47.
Komarov, K. - Slav apostles Saint Cyril and Methodius. p. 49.
Nekrasov, V. - Saint Orthodox Grand Duke Alexander Nevski. p. 56.
Zabolotskii, N - Theology of Saint Gregorius Palamas. p. 62.
Roads to the knowledge of God. p. 71.
Vladimirov, V. - "Studii Teologice," journal of the Rumanian Patriarchate, nos. 3-4, 1962 p. 74.
Talin, V. - "TSerkoven Vestnik," journal of the Bulgarian Orthodox Church, for the second half of 1962. p. 77.
Petros, Petr. - "An-Nima," journal of the Antioch Orthodox Church, January-April 1963. p. 79.

PRAVOSLAVNYI UKRAINLTS', THE ORTHODOX UKRAINIAN. Issued by Ukraina'ka Pravoslavna TSerkovna Rada [Ukrainian Autocephalous Orthodox Church in the U. S. A.] Chicago, no. 90, Apr.-June 1963.

RUSSKO-AMERIKANSKII PRAVOSLAVNYI VESTNIK. THE RUSSIAN AMERICAN ORTHODOX MESSENGER. Organ of Mitropolichii okrug Russkoi Pravoslavnoi TSerkvi v Amerike [Metropolitanate of the Russian Orthodox Church in America]. New York, vol. 59, nos. 4, 12, Apr., Dec, 1963.

VECHNOE [THE ETERNAL]. Paris, no. 12(192), Dec. 1963.

4. HISTORY

a GENERAL

AFRIKANSKII SBORNIK [AFRICAN PAPERS]. Issued by Institut Afriki Akademii nauk SSSR [Institute of Africa of the Academy of Sciences of the U. S. S. R.] Moscow, no. 1, 1963 Istoriia [History].
Table of contents translated.
Potekhin, I. I. - Present-day study of African history and its principal objectives. p. 3.
IAstrebova, I. P. - Race discrimination as a factor which determines the policy of the Republic of South Africa. p. 24.
Pokrovskii, A. S. - Situation of the African workers of South African mining. p. 41.
Kim, L. I. - How the peoples of the western Cameroons tried to prevent the seizure of land by German and English settlers. p. 74.
Entin, L. M. - French imperialism and the "rejuvenated" Commonwealth. p 94.
Sharevskaia, B. I. - Has the Catholic Church in the Congo ceased to serve colonialism? p. 113.
Churakov, M. - Arrests of Russian revolutionary sailors in Egypt in 1907 and 1913. p. 130.
Subbotin, V. A. - Anglo-French confrontation in Fachoda in 1898. p. 143
Nersesov, G. A. - Russian archival materials and the information of the Russian press on the French invasion of Tunisia in 1881. p. 170.
Orlova, A. S. - Sources for the history of the social system of the peoples of the Great Rift Valley. p. 231.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut istorii, arkheologii i etnografii. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S S R. Institute of History, Archaeology, and Ethnography. Transactions]. Alma-Ata, vol. 17, 1963 Istoriia bor'by za vlast' Sovetov v Kazakhstane [History of the struggle for Soviet rule in Kazakhstan]
Table of contents translated:
Preface. p. 3.
Rusakov, I. V. - The Second Peasant Congress of Semirech'ye Province. p 5.
Nurpeisov, K - United Congress of the Soviets of Semipalatinsk Province and its role in the establishment of the unified organs of province administration p. 22.
Baikenov, M - Role of the employees of Kazakhstan railroads in the establishment and consolidation of the Soviet regime, 1917-1918 p 63.
Elagin, A. S. - Transition from revolutionary committees to the soviets in Kazakhstan in 1920. p 87
Tiepov, S. - First steps of the Soviet regime in the Mangyshlak Peninsula, April-December 1920. p. 115.
Kim Syn Khva. - English aggression against Soviet Turkestan according to the documentary materials of the intelligence service of the Denikin Army. p. 124.
Galaktionov, N. T., Kovazhenko, A. I., Tasymov, N. - The Red Guards of Perovsk. p. 135.
Bukatnikov, S. R. - Through cold and heat. p 138.
Kozlukov, P. D. - From the front to the factory, and again we left to fight. p 140
Dubskii, P. G. - Power of the honest word p. 142.
Kislov, A. L. - Everyday life on the front. p. 143
Shevchenko, F. M. - Nikolai Fedorovich Seliverstov, our brave commanding officer p 144.
Dzhursunbekov, A. - For the rule of the soviets. p 147
Takabaev, Rakhim. - At the call of the Bolsheviks. p. 149
Kuseubaev, Kilibai. - We shall never forget the years of militant struggle. p. 150
A. I. Astrakhantsev, a brave commissar p. 152.
Ruseiskii, P. I. - How railroad employees struggled against the White Guards. p. 154.
Kalashnikov, G. S. - Pages out of the past. p. 156.
Konfushkhin, P. I - Who were the members of our county's soviet? p. 158.
Lomanov, P. V. - Young communards. p. 159.
Lazarev, V. L. - Early phase of cultural development in a remote county. p. 160.

AKADEMIIA NAUK SSSR. Institut istorii. Srednie veka [ACADEMY OF SCIENCES OF THE U. S. S. R. Institute of History. The Middle Ages]. Moscow, no 24, 1963.
Table of contents translated:
Dantilov, A. I - Marxist-Leninist theory of reflection and historical science. p. 3
Gurevich, A. IA - Norwegian border in the 11th and 12th centuries (to be concluded) p. 24.
Kotel'nikova, L. A. - Ground rent in Tuscany in the 11th-13th century, based on the material of the Lucca region. p. 55.
Bessmertnyi, IU. L. - Social significance of the new forms of land tenure in the rural regions of the Rhineland in the 12th and 13th centuries. p. 87.
Svanidze, A. A. - Some characteristics of the development of Stockholm guilds in the late 14th and the 15th century. p. 118.
Smirin, M. M. - Social struggle in the mining regions of Saxony in the late 15th and the early 16th century and during the Great Peasant War. p. 137.
Volodarskii, V. M. - Humanistic views of Ulrich von Hutten. p. 160.
Wielgosz, Z. - History of the large landed estates of the Cistercian Order in the Lebus region from the 13th through the first half of the 16th century [translated from the Polish]. p. 185.
IAstrobitskaia, A. L. - Some forms of early capitalist relations in the German printing industry from the second half of the 15th to the middle of the 16th century. p. 199.
Khomentovskaia, A. I. - Historical data on the books and libraries mentioned in the testaments of the Italian humanists and scholars of the Renaissance period, 1320-1574. p. 217.
Miroslav Hroch. - Economic contacts between Western and Eastern Europe in the decisive period of the Thirty Years' War [translated from the German]. p. 235.
Polišensky, J. - "The Bohemian problem" and political contacts between Western and Eastern Europe in the early phase of the Thirty Years' War [translated from the German]. p. 240.
Liublinskaia, A. D. - East German students of the Middle Ages study the uprisings of the 14th century in European cities. p. 259.
Zhitomirskaia, S. V. - Publication of the new sources of French history in the 16th century. p. 269.
Bernadskaia, E. V. - "Acts of the Cremona region collected by the Academy of Sciences of the U. S. S. R." p. 272.
Ivashin, I. F. - "T. N. Granovskii's lectures on the history of the Middle Ages." p. 276.
Gutnova, E. V., Mironova, L. A., Sokolov, V. S. -

An important source for the history of Poland in the early feudal period p 281.
Kisielova, L I - "Handwriting instruction in medieval universities"[in French] by I Hajnal. p 283
Zaborov, M.A - "Bibliography of the Crusades" [in German] by H.E Mayer p 290
Hyd'kin, B I - "History of the Italian population Vol 3. Population of the Republic of Venice, the Duchy of Milan, Piedmont, Genoa, and Sardinia, the entire population of Italy" [in German] by Karl Julius Beloch. p 297
Freidenberg, M M - "Archaeology and history of the barbarian colonization of the regions inhabited by the southern Slavs from the fourth through the early seventh century" [in Serbo-Croatian] by Jovan Kovačević p 298

Osipova, T S - Articles on the history of the Middle Ages published in 1959-1961 in "Irish historical studies." p 299
Asinovskaia, S.A - Materials of P.N Kudriavtsev's archives p.303
Frolova, L.I - Soviet studies on the history of the Middle Ages published in 1961. p.313.
To the readers of "Srednie veka." p 328

AKADEMIIA NAUK SSSR Institut istorii Vestnik drevnei istorii [ACADEMY OF SCIENCES OF THE U S S R Institute of History. Review of Ancient History] Moscow, no 3(86), 1963 Sistematicheskii ukazatel' za 1947-1950 gg [Classed Index for 1947-1950]

Table of contents translated
Historical studies and ideology. p 3
Struve, V.V. - Community, the temple, and the palace p 11.
IAkovkina, N.B. - Rights and structure of communal self-government in Ugarit p 35
Koshelenko, G.A. - Internal political struggle in Parthia. p.56.
Golenko, K.V - More about the coins ascribed to Saumacus p.69.
Utchenko, S L - Political parties in Rome p.82
Pavlovskaia, A I - Polybius' information on slavery in the third and second centuries B C. p.95.
Borshch, I.E. - Slaves and slavery in "Oeconomics" and "Memorabilia" by Xenophon p.107.
Abaev, V.I. - The fifth column of the Behistun inscription of Darius I and an antidaevan inscription of Xerxes. p.113.
Amusin, I.D., Gel'tser, M L. - An inscription from "Mesad Hashavyahu" p.118.
Korovina, A K. - Ancient Tiramba. p 126.
TSvetaeva, G.A - Recent discovery of a marble ephebic head made by a sculptor of the Polyclitus school p 131.
Golovachev, I.F. - Small and medium land tenure in Roman Africa during the first three centuries of the Roman Empire p.136
Shtaerman, E.M - "Studies on the sociopolitical history of Asia Minor from the first through the third century; self-governed rural communes" by E.S. Golubtsova. p.154.
Krugilkova, I.T - "Villas of the Roman epoch in the Balaton Lake region" [in Hungarian] by Edit B. Thomas. p.158.
Lur'e, S.IA. - "Kadmos, Zeitschrift fuer vor-und fruegriechische Epigraphic," nos.1-2, 1962. p 159.
El'nitskii, L.A. - A new comprehensive study on the history of governmental administration in ancient Rome. p.163.
Kudishchin, V I. - "Land tenure in the Italy of the Trajan epoch" [in Italian] by Vito Antonio Sirago. p.177.
A G Bokshchanin's 60th birthday. p.184.
Sidorova, N.A. - Our trip to Cyprus. p.185.
S.I.Sobolevskii; obituary. p.194.
Elamite economic documents from Susa. Transcription, translation, and comments by IU.B.Usilov (conclusion). p.199

AKADEMIIA NAUK SSSR. Institut narodov Azii. Kratkie soobshchenila [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Peoples of Asia. Brief reports]. Moscow, no.56, 1963. Mezhdunarodnye otnosheniia [international relations].

Table of contents translated
Fridman, L.A. - Foreign monopolies in Egyptian industry (to the Second World War). p.3.
Avetian, A.S. - Penetration of the imperialist states into the mining industry of Turkey, 1913-1914. p.35.
Potakhveriia, B.M. - Turkish-American dissentions on the problem of the development of the Turkish economy. p.40.
Dzhalile Dzhalil. - Kurds and the Russo-Turkish War of 1877-1878. p.54.
Bobilkov, D.R. - The French railroad concession in Ethiopia. p.60.
Kuz'min, S.A. - "Colombo Plan" and the problems of Afro-Asian economic cooperation. p.75.
Lopatov, V.V. - Development of economic relations between Australia and the countries of southeastern Asia and the Far East. p.83.
Vorontsov, V B - The struggle for Thailand during the period of the war in the Pacific, 1941-1945. p 96.
Khuseinov, S.S. - History of the Soviet-Chinese relations in 1917 p.107
Baryshnikov, V N. - The role of the Liao Wen-i group in the aggressive plans of the United States in Taiwan p.119
Gurevich, B P. - Russian policy on the opium question in the period of the Anglo-Chinese War, 1839-1842 p.133.

Nikiforov, V.N. - Anatolii IAkovlevich Kantorovich, a Soviet political scientist p 143

No 64, 1963 Istoriia stran Dal'nego Vostoka [History of the Far East].

Table of contents translated
Podpalova, G.I. - Aleksandr L'vovich Gal'perin. p.3.
Gal'perin, A.L - Development of economic contacts and the history of international relations in the Far East in the modern period, from the 18th through the early 20th century. p.9.
Bednik, I IA. - Attitudes of Japanese ruling groups toward the Chinese People's Republic and the theory of "two Chinese states." p.21.
Vasilevskaia, I I. - Japanese relations with South Korea. p 36.
Vorontsov, V.B. - U.S. plans in the decisive period of the war in the Pacific. p.49.
Budkevich, S.L. - Failure of a Japanese diplomatic scheme, June-December 1941 p 60
Navlitskaia, G.B. - Abrogation of the Anglo-Japanese Alliance and the Four-Power Treaty, 1921. p.75.
Nikiforov, V.N - Two sources of the bourgeois revolutionary movement in China, based on the reminiscences of Ch'en Shao-po. p.80
Iofan, N.A. - History of Japanese feudal wars and mass movements in the middle of the 16th century, "ikkō ikki" in Mikawa Province. p.102.
Gluskina, A.E. - Japanese works devoted to the great authors of Russian literature, notes on Gogol'. p.108.
Tiagai, G.D. - Source materials of Moscow and Leningrad archives as a source for the Korean history of the 19th century. p.115.
Latyshev, I.A. - Political program of Japanese monopolists and its economic background. p.126.

No.66, 1963 Srednevekovaia i novaia istoriia Kitaia [Medieval and modern history of China].

Table of contents translated
Ermachenko, I.S. - Markets of Changan, the western capital of the Han Empire. p.3.
Lapina, Z.G. - A reform proposed by Fan Chung-yen in 1043-1044. p.10.
Borovkova, L.A. - A group led by Kuo Tz'u-hsing and Chu Yuon-chang in the early phase of the uprising of the "red armies," 1352-1356. p 22.
Fomina, N.I. - Mainstay of the struggle against the Ch'ing Dynasty in the middle of the 17th century p.38.
Ipatova, A.S. - History of the liberation struggle of the Chinese people against English colonizers during the first "Opium War." p.59
Kaliuzhnaia, N M. - Chinese movement against Christian missionaries in 1886-1893, p.69.
Borokh, L.N - Unsuccessful uprising in Kuang-chou in 1895. p.82.
Grigor'ev, A.M. -History of the Chinese revolutionary press, 1901-1904. p.94.
Chudodeev, IU.V. - Struggle of the rival groups of the Chinese ruling class on the eve of the Revolution of 1911; the crisis of "upper circles." p.105.
Monina, A.A. - Campaign for the boycott of Japanese merchandise in 1915. p.117.
Vinogradova, T.V. - Organization of Chinese studies in Japan. p.126.

ISTORICHESKII ARKHIV [HISTORICAL ARCHIVES]. Issued by Institut istorii Akademii nauk SSSR [Institute of History of the Academy of Sciences of the U.S.S.R.] Moscow, vol.8, no.2, Mar.-Apr. 1962.

Table of contents translated:
Podol'skii, S.S. - K S.Stanislavskii's correspondence with V I.Nemirovich-Danchenko, 1902-1917. p.3.
Garov, P.IA., Romanovskii, D.V. - Verbatim report of a conference of nonparty delegates to the Ninth All-Union Congress of the Soviets. p.59.
Turkan, G.A. - IA.E.Rudzutak's report on the Genoa Conference. p.80.
Zalunina, K.N., Kazakov, A.IA - Work of the underground organizations of the Bolsheviks in Siberia, 1918-1919. p.96.
Sidorov, A.L. - Preparations of the prerevolutionary government for the First World War. p.120.
Baboreko, A.K., Teleshov, A.N. - I.A.Bunin's letters to N.D.Teleshov, 1941-1947. p.156.
Krasin, L.B. - Brief reminiscences on V.P.Nogin. p.168.
Swierczewski, K. - From the history of international solidarity in the struggle against fascism. p.171.
Ivnitskii, N.A - Critical evaluation of historical sources concerning the early stage of over-all collectivization, Autumn 1929-Spring 1930. p.191.
Bushkanets, P.G. - Unknown pages of the history of the Shlisselburg Fortress p.204
Kolesnev, I V., and others. Our readers' opinions of the articles published in this periodical p.211
Gol'tsin, G M., Zhuchko, B I. Documentary materials relating to monopolistic capital in the Russian petroleum industry. p.214
Dolinin, N. - New edition of Kornilov's "Course in modern chronicle" p.220
Gorbunov, G.IA - A few words about the [illegible] O.A. Varentsova p.224
Martin, IU.G. - Friedrich Wolf's letter to Sergei Eisenstein, 1938 p.225
Artamenko, T.P. - New documentary data showing the number and composition of the [illegible] tionary military units of Petrograd in [illegible] p.226
Solomina, V. - Reaction of Archangel workers to events of 1912 in the Lena Valley p.227
Mirofanov, V.M. - A new document about the situation of Baku petroleum workers [illegible] 20th century p.228
Malevanov, N A., Kuz'mina, M A. Archive biography of Dimitrii Rogov p.230
Mallushin, G G. - The birthdate of I P Belov, a revolutionary poet. p.231
Altshuller, R.E. - Denis Davydov's [illegible] p.232.
Raikhtsaum, A.L. - History of Russian-[illegible] contacts with Turkey. p.242.
Linkov, IA.I. - History of the "Land and Liberty Group in the 1860's. p.235.
A party in honor of our historians and archivists p.238.

KALENDAR' ZNAMENATEL'NYKH I PAMIATNYKH DAT [CALENDAR OF SIGNIFICANT AND MEMORABLE DATES]. Issued by Izdatel'stvo "Sovetskaia Rossiia" and Gosudarstvennaia publichnaia istoricheskaia biblioteka RSFSR ["Soviet Russia" Publishing House and the State Public Historical Library of the RSFSR] Moscow, vol.9, no.11, Nov 1963

Table of contents translated
The Great October Socialist Revolution. p.4.
Soviet Police Day. p.15.
World Youth Day. p.19.
M.P. Lazarev. p.23.
November (1962) plenum of the Central Committee of the Communist Party of the Soviet Union. p.31.
Artilleryman's Day. p.31.
Mongolian People's Republic. p.35.
Friedrich Engels. p.40.
Socialist Federative Republic of Yugoslavia. p.[illegible]

LITOPYS VOLYNI. VOLHYNIAN CHRONICLE [illegible] Instytut dosliidiv Volyni u Winnipegu [Research Institute of Volyn in Winnipeg]. Winnipeg, vol.[illegible] 1963.

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MUZEEVEDENIIA. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF MUSEUM ORGANIZATION. Transactions]. [Vol.6], 1961. Voprosy raboty [illegible] literaturnogo profilia [Work of literary [illegible]

Table of contents translated
Levina, IU.I. - Principal types of museums [illegible] and their role in literary display. p.[illegible]
Muza, E.V. - Work practices of displaying [illegible] manuscripts in the A.S.Pushkin State [illegible] p.20.
Bushkanets, E.G. - Studies conducted in the [illegible] Museum of the Tatar A.S.S.R. on the literary past of the local area. p.35.
Viese, S. - Collecting literary materials. p.41.
Vinogradova, K.M. - State Literary Museum, 1931-1960. p.51.
Chernyshevskaia, N.M., Lazerson, B.I. - Activities of the residence-museum of N.G.Chernyshevskii in Saratov. p.94.
Pigarev, K.V. - "Muranovo" house of poets [illegible] past and at present. p.106.
Il'in, L.A. - Broadening academic work in museums. p.116.
Ezhova, V.K. - Methods and practices of [illegible] literary museums. p.122.
Loshchinin, N.P. - Academic work of literary museums. p.142.

NARODY AZII I AFRIKI; istoriia, ekonomika, kul'tura [PEOPLES OF ASIA AND AFRICA; History, Economics, Culture]. Issued by Institut narodov Azii and Institut Afriki Akademii nauk SSSR [Institute of the Peoples of Asia and Institute of Africa of the Academy of Sciences of the U.S.S.R.]. No.5, 1963.

Table of contents translated
Ideological struggle and the objectives of the Soviet students of the Orient. p.3.
Pavlov, V.I., Rod'ko, I.B. - Leninist alliance of world socialism with the national liberation movement. p.10.
Cox, Idris. - Africa's struggle for economic progress p.22.
Andreev, M.A. - Obstacles to the development of the state sector of Indonesian industry. p.34.

Latyshev, I.A. - Organizations of Japanese monopolists and their political influence. p.42.
Baryshnikov, V.F. - Uganda on her new course. p.55.
Miller, A.F. - Formation of Kamal Ataturk's political views. p.65.
Belen'kii, A.B. - The Russian Revolution and the Indonesian left-wing Social Democrats. p.86.
Kostin, IU. - Imperialist intervention in the "events of May 4, 1919." p.97.
Tingal, G.D. - The Korean peasant uprising in 1811-1812. p.108.
Semanov, V.I. - Historical foundation for the division of the history of literature into successive periods. p.118.
Nikiforova, I.D., Pallevskaia, IU.V. - New horizons of African literature. p.135.
Sazanova, N.M. - Some remarks on the division of Hindi literature into successive periods. p.141.
Moskalev, A.A. - Tonal contrasts and the classes of tonal systems in the Chinese dialects. p.145
Zlatoverkhova, V.G. - Russian scientific transliteration of Burmese words. p.151.
Lisevich, I.S. - First translation of Chinese fiction into Russian p.157.
Mashtakova, K.A. - Books on India in V.I. Lenin's study room and apartment in the Kremlin. p.159.
Israelian, V., Ovseenko, I. - Early history of the Leninist policy of friendship with the peoples of the Orient. p.162.
Efimov, S.E. - In defense of colonialism; a review of the periodical "Africa." p.169.
Zand, M.I., Semenov, I.V. - The East in volume 1 of the "Brief encyclopedia of literature." p.175.
Kheifets, A.N. - Asia and Africa in volume 9 of "World history." p.185
Kollontai, V.M. - "U.S. neocolonialism and the underveloped countries of Asia" by R.A. Ul'ianovskii. p.189.
Kokorin, O.I. - "Fascist ideology of colonialism and the Second World War [in German] by Horst Kühne. p.192.
Simonia, N.A. - "The decline of constitutional democracy in Indonesia" [in English] by H. Feith. p.195.
Chernov, A.P. - "Neocolonialism, facts and economic theories" [in Rumanian] by I. Anghel, St. Ungureanu. p.200.
Tiurin, V.A. - "Malayan and world history" [in English] by E.H. Dance, G.P. Dartford. p.203.
Bellis, V.M. - "Classified information on the Caspian Sea region and Eastern Europe; Gurgan and the Volga Valley in the ninth and tenth centuries" by B.N. Zakhoder. p.207.
Rabinovich, I.S. - "Collected works of the Russian students of India." p.210.
Vil'chevskii, O.I. - "Descriptive catalog of the Leningrad collections of Kurdish manuscripts" by M.B. Rudenko. p.213.
Gordon, L. - "Labor laws of India" by M.N. Egorova. p.216.
Sakhaimuradov, A.M. - "History of the trade-union movement and labor laws of the United Arab Republic" [in Arabic] by M.F. Amin. p.218.
Hesse, K. - "Assistance to underdeveloped countries" [in German]; book review. p.219.
Gann, L., Duignan, P. - "White settlers in tropical Africa" [in English]; book review. p.220.
Algardi, Z. - "Petroleum on the road to Damascus" [in Italian]; book review. p.221.
Lazarev, M.S. - "Bahrein; from the history of the Persian Gulf region" by V.L. Bodianskii. p.222.
Bachinskii, N., Bretanitskii, L. - "Architectural ornament of Uzbekistan" by L.I. Rempel'. p.224.
Vorozheikina, Z.N. - "The Diwan" [in Persian] by Auhad Anvari. p.226.
Kalinnikova, E.IA. - "Indian writing in English" [in English] by K.R. Srinivasa Iyengar. p.227.
Kolovskii, G.G., Polonskaia, L.R. - A conference of the United Nations on scientific and technical assistance to underdeveloped areas. p.230.
Polskhverdia, B.M. - On a visit to Turkish scholars. p.233.
Ivanov, A.A. - Papers on the problems of the Orient delivered at a session of the Hermitage. p.236.
Serova, O.V. - Thirty years of the study of Oriental problems. p.238.
Brief news. p.239.
The most important works of I.I. Potekhin; on his 60th birthday. p.243.
The most important works of A.IU. Shpirt; on his 60th birthday. p.249.
Staroslov, L.N. - A portrait of Nazim Hikmet. p.251.
In memory of William Du Bois. p.265.

NOVAIA I NOVEISHAIA ISTORIIA [MODERN AND RECENT HISTORY]. Issued by Institut istorii Akademii nauk SSSR [Institute of History of the Academy of Sciences of the U.S.S.R.]. Moscow, no.5, 1963.

Table of contents translated:

Historical science is an ideological weapon in the struggle for communism. p.3.
Nemes, Dezso. - Some problems of the building of Communism in Hungary. p.10.
Riverend, Julio, Le. - First reactions of the Cuban People to the Great October Socialist Revolution. p.22.
Petrov, I.P. - Reformist theory and the practice of the Swedish Social Democrats. p.26.
Nitobuag, E.L. - The Negro problem in the U.S.A. p.41.
Mikhailov, K. - Anglo-American intervention and the suppression of the Greek democratic movement, 1946-1949. p.56.
Vlaskin, A.G. - How Russia supported the German liberation movement, December 1812-May 1813. p.69.
Participation of Russian military units in the liberation of Germany from the yoke of Napoleon. p.83.
Seleznev, K.L. - F. Engels' notes on his trip to Sweden and Denmark. p.93.
Dzerzhinskaia, S.S. - Excerpts from my reminiscences (to be continued). p.97.
Ioffe, A.E. - Lenin's diplomacy in action p.115.
Lebovich, M.F. - A periodical devoted to the history of the Hungarian Socialist Workers' Party. p.125.
Sovostianov, G.N. - "Diplomatic struggle of the U.S.A. for dominion of the sea and the rivalry of imperialist states" by Z.M. Solontsov. p.133.
Ignat'ev, A.V. - "Bourgeois historiography of the First World War; origin of the war and the international relations of 1914-1915" by K.B. Vinogradov. p.135.
Erusalimskii, A.S. - "Revolutionary crisis of 1923 in Germany and the Hamburg uprising" by D.S. Davidovich. p.137.
Tatarinova, K.N. - "Mass emigration and the class struggle in England, 1825-1850" by N.A. Erofeev. p.141.
Kostiushko, I.I. - New studies on the history of revolutionary contacts between the Russian and Polish peoples. p.144.
Kunina, D.A., Rabkin, E.L. - "Near-contemporary history of Germany, 1917-1962" [in French]. p.148.
Kon, I.S. - "Dimensions of historical consciousness" [in French] by R. Aron. p.152.
Vinogradov, K.B. - "The Belgian Congo and German Weltpolitik, 1894-1914" [in French] by J. Willequet. p.154.
Koval', P.D. - A new study on Georgi Dimitrov. p.158.
Galkin, A.A. - History of the revolutionary struggle of the German proletariat. p.159.
Zuev, F.G. - We should show the true face of the reactionary "Ostforschung." p.161.
Bisk, I.IA. - Important source for the history of the German labor movement. p.162.
Filatov, G.S. - History of the resistance movement in Italy. p.163.
Suni, L.V. - Role of the Finnish proletariat in the events of 1917 and 1918. p.165.
Polikov, V.G. - Events in the Congo and the role of the United Nations. p.166.
Stetskevich, S.M. - History of the Polish Socialist Party. p.168.
Olteanu, O. - Glorious page of the Rumanian labor movement. p.168.
IAz'kova, A.A. - The 15th anniversary of the Rumanian People's Republic. p.169.
Dodolev, M.A. - Atrocities of Italian fascists in 1922. p.170.
Sivachev, N.V. - Franklin D. Roosevelt's "New Deal" in the interpretation of an English periodical. p.170.
Tarasov, V.B. - U.S. bourgeois historians on the problems of Latin America. p.171.
Books, documentary materials, and articles on modern and near-contemporary history published in 1962 in the U.S.S.R. p.173.
Plenary session of the Central Committee of the CPSU in June 1963 and the objectives of Soviet science; the general session of the Academy of Sciences of the U.S.S.R. p.179.
Alpatova, G.M., Danilov, V.A., Rakhshmir, P.IU. - A theoretical conference on the history of the labor and democratic movement. p.181.
Chernov, A.B. - Discussing the "Outline history of the German labor movement." p.183.
Varshavskii, A.V. - The Publishing House of Socio-economic Literature will publish these studies in 1964. p.185.
Defense of doctoral dissertations. p.186.

NOVAIA INOSTRANNAIA LITERATURA PO ISTORII, ARKHEOLOGII I ETNOGRAFII [NEW FOREIGN LITERATURE ON HISTORY, ARCHAEOLOGY, AND ETHNOGRAPHY]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 7/8-9, 1963.

NOVAIA SOVETSKAIA LITERATURA PO ISTORII, ARKHEOLOGII I ETNOGRAFII [NEW SOVIET LITERATURE ON HISTORY, ARCHAEOLOGY, AND ETHNOGRAPHY]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 7-9, 1963.

VOPROSY ARKHIVOVEDENIIA [PROBLEMS OF ARCHIVES] Issued by Glavnoe arkhivnoe upravlenie pri Sovete Ministrov SSSR [Main Archives Administration, Attached to the Council of Ministers of the U.S.S.R.] Moscow, vol 8, no 2, Apr.-June 1963

Table of contents translated

Problems in the development of the theory of Soviet archival science. p.3.
Belov, G.A. - Microphotocopying of documentary materials. p.13.
Voronin, E.P., Nasin, I.S. - The work of the Central State Archives of Military History in using documentary materials, present state and future development. p.25.
Strel'skii, V.I. - Heraldry and sphragistics in the work of historians; according to materials in Ukrainian archives and other institutions. p.31.
Anikeev, V.V. - Work of the secretariat of the Central Committee of the Russian Social Democratic Party in Smol'nyy. p.36.
Gavrilov, A.N., Kozlov, V.S. - Problems in acquiring documentary materials for the Central State Archives of the R.S.F.S.R. p.38.
Sol'skii, D.I., Sokova, A.N. - The use of registration cards in archives of institutions. p.43.
Zhuravleva, Z.A. - Collecting documents from private sources is every archive's task p.48.
Badaeva, O.M. - New materials on the history of the party organization in the provinces. p.49.
Loshchinin, N.P. - In Lermontov's Pyatigorsk. p.52.
Komissarova, M.I., Rubanovich, I.I. - The story of the people; through the halls of the Pavlograd People's Historical and Revolutionary Museum. p.55.
Koroleva, A.S. - School of courage and bravery; the "Molodaia Gvardiia" State Museum in Krasnodon. p.61.
Sharonov, F.I. - Cost accounting and acquisitions in State archives. p.64.
Pankratova, S.D. - Cataloging of documentary materials in archives of White Russia. p.66.
Chabrov, G.N. - Giving a special course on the sources for the history of Central Asia. p.69.
Nikitina, O.F. - Exhibitions in our archives. p.71.
Livshits, IA.Z. - Improving the qualifications of clerical workers in State organs. p.75.
Rybakov, IU.IA. - Conference of the Students' Society of the Moscow State Historical and Archival Institute. p.77.
Avtokratova, M.I. - Cataloging of documentary materials. p.79.
Dudarenko, M.L. - Punched-card cataloging of archival documents and the use of the punched-card technique for information retrieval. p.86.
Letters of the party's glory and immortality. p.92.
Chumachenko, E.G. - V.O. Kliuchevskii on Russian writers. p.99.
Malitikov, A.S. - Basic rules for organizing the documentary part of the clerical work of archives, organizations, and enterprises of the U.S.S.R. p.102.
Zhogin, V.N., Nikitina, V.G. - Transactions of the Central State Archives of Moldavia. p.104.
Reikhberg, G.E. - Interesting publication. p.107.
Modushevskaia, O.M. - Problems in the study of source materials in "L'histoire et ses methodes." p.109.
Notes. p.116.
Dmitriev, S.S. - Concerning Academician N.M. Druzhinin's letter. p.121.
Polovinkin, L.A. - Joint work of archives and museums. p.124.
News. p.125.
Academician M.N. Tikhomirov's 70th birthday. p.133.

VOPROSY ISTORII [PROBLEMS OF HISTORY]. Issued by Otdelenie istoricheskikh nauk Akademii nauk SSSR [Department of History of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 38, no.10, Oct. 1963.

Table of contents translated:

Viatkin, R.V., Tikhvinskii, S.L. - Some problems of historical science in the People's Republic of China. p.3.
Ivanov, V.P., Moruchkov, S.A. - Development of the Leninist principles of the party control of governmental agencies. p.21.
Kladivova, Vlastimila. - Comparative study of the socialist reorganization of agriculture in the U.S.S.R. and Czechoslovakia. p.37.
Shunkov, V.I. - Some problems in the history of Siberia. p.60.
Rosenfeld, Guenter. - Scientific and cultural contacts of the U.S.S.R. with the Weimar Republic. p.71.
Fursenko, A.A. - Business history in the service of American monopolies. p.84.
Mochul'skii, N.F. - Political struggle in England against the introduction of compulsory military service in 1939. p.95.
Illeritskaia, E.V. - An information conference of the historians of socialist countries. p.104.
Karakekov, D.K., Feodaeva, F.Z. - Scholarly research of the historians of Daghestan University. p.107.
Avrekh, A.IA. - On some methods of historical studies. p.110.

[illegible]
[illegible] [illegible] [illegible] - 'World history' Vol 9, 1[illegible]

Gitel'man, D I - Recent historical studies on the friendship and fraternal cooperation of Soviet peoples p 120

[illegible] [illegible] - Workers of the White Russian SSR in the postwar period, 1945-1950' by I E Stepanenko p 140

[illegible], A L - 'V I Lenin's everyday work in the field of foreign relations, 1917-1920' by M.I. Ulyanova p 152

Rastianni, S M - An important publication of the sources of history p 134

Rubin, V A, Bibin, V IA - Studies on the history of laboring classes in prerevolutionary Kazakhstan by E Dil'mukhamedov, F Maldybaev p 139.

Shteyer, S I, Lukach, G I - 'Early history of the Russian labor movement' by O.D. Sokolov, p.141

Shvidze, Z L - 'Revolutionary work of Georgian publicists in the 1870's, based on new archival materials [in Georgian]' by P K Ratiani p 142.

Sidel'nikov, M S - Muridism in the Caucasus' by N A Smirnov p 144

Smirnov, N N - Peasant unrest and the peasant problem in Russia in the late 18th and the first quarter of the 19th century' by J J Kabakova p 147

Sorokin, V G - 'Anglo-Russian relations and the problems of the Mediterranean region, 1798-1807' by A M Stanislavskaya p 149

[illegible] p 151

History articles published in Soviet periodicals, p 153

Rozov, A I - Scholarly research of a group for the study of German relations with the Slavs p 157.

Brief notes p 159

Mudrunk, K L - 'A Marxist study of the Cuban Revolution' by French historians, p 162

Dorokhenko, V V - "Grain trade in the Baltic Sea region in the 17th century [in German]' by A Soom, p 171.

Zaitsev, M A - 'The Crusades, a documentary survey [in Russian]' by I A Izmailov p 174

Historical articles in periodicals published in socialist countries p 176

Troitskaya, V A - Ethiopia observed, a periodical p 179

Vinogradov, K B - Interpretation of German policy during the European War of 1914-1918 in West German historiography p 182

Ivanov, I V - Methodological problems of the study of social psychology p 183

Ushin, G V - Special aspects of the socioeconomic development of Morocco and neocolonialism. p 185

Vizzini, F F - In defense of Sacco and Vanzetti. p. 186.

Smirnov, V P - Role of the Resistance Movement in the liberation of France p 188

Ivanov, V A - New methodology of the history of southeastern Asia p 189

Weihmann, V S - A way of West German penetration into India p 190

Arkhipov, V M - After in nationalism and the national liberation movement. p 191

Dolunsch, M IA - Who after all will save Latin America? p 192

Ivanova, R M - Formation of bourgeois ideology. p 194

Alsen, G I - Against a falsification of relations between the Bulgarian and Greek peoples. p 195.

Feldman, V P - Discoveries' of a West German scholar. p 196

Gel'fand, M L - A new theory of the role of barter in the Neolithic period p 197

Foreign reviews of Soviet historical studies p. 198.

Shevchenko, A IA - Publications of the "École Française d'Extrême-Orient p. 199.

Brief notes, p 202.

Smirnov, A V. - Rapid development of the movement of inventors and efficiency experts in the heavy machinery industry of the U.S.S.R. p 205.

Polubolarinova, M.D. - Glass bracelets from ancient Novgorod. p 164.

Ryndina, N V - Production technique of the 10th to 15th century Novgorod jewelers p.200

Medvedev, A F. -The Near Eastern and the Golden Horde glazed pottery from the archaeological excavations in Novgorod. p.269.

Lunina, S A. - The second Nerevskiy treasure of 10th century Cufic coins. p.287

List of abbreviations. p.332

SOVETSKAIA ARKHEOLOGIIA [SOVIET ARCHAEOLOGY]. Issued by Institut arkheologii Akademii nauk SSSR [Institute of Archaeology of the Academy of Sciences of the U.S.S.R.] Moscow, vol 7, no 3, 1963.

Table of contents translated

Chernysh, F K - T S Passek's sixtieth birthday. p 5

Kushnareva, K.Kh., Chubinishvili, T.N - Historic significance of the southern Caucasus in the third millenium B.C. p 10

Kozhin, P.M - Chronology of spheric amphoras of the Fatianovo burial grounds. p 25

Shchepinskii, A.A. - Art monuments of the epoch of early metal in the Crimea. p. 38.

Chlenova, N L - Monuments of the Karasuk-Tagar transition period in the Minusinsk Basin. p. 48.

Rosen-Przeworska, I. - Relations between Celts and Scythians. p 67.

Levenok, V P. - Yukhnovo culture, its origin and development. p. 79

Berezovets, D.T. - Dating of the Chernyakhov culture p 97

Sedov, V V - Dregovichi. p 112.

Vilinbakhov, V.B. - The Baltic Sea-Volga route p 126.

Schmiedehelm, M Kh. - Some results of the archaeological research in Soviet Estonia p. 136.

Chernykh, E N - Investigation of copper and bronze articles by the method of spectrum analysis. p 145

Abidullaev, O.A. - Some results of the investigations of the Kyul'-Tapa Hill in Azerbaijan. p 157.

Kukhovskii, V F. - The Chuiachiki barrow in Chuvashia. p 169.

Akimova, M S. - Skulls from the Chuiachiki barrow in Chuvashia p. 178.

Khalikov, A Kh - Stele with pictures of arms of the early Iron Age. p 180

Brashinskii, I B - The earliest proxeny in Olbia. p. 191.

Chulanov, IU G. - The ancient site of Akhsyket p 197

Karlov, N.N - A hand ax from the middle Dnieper Valley. p 207.

Astakhov, S.N. - A late paleolithic site near Fedyayevo village on the Angara. p. 209.

Petrichenko, N F. - Bila, a late paleolithic site on the Ptut. p 215.

Piaslov, N.D - A paleolithic site of the Yugino Culture in the Azov Sea region. p. 218.

Pukhod'ko, I P - A stele with the image of a griffin from Phanagoria. p 221.

Sokolov, G I - A plaster portrait from Kerch p.222.

Rozenfel'dt, R L. - The ancient site of Pevkin Bugor. p 224.

Shavkunov, E V., Argudiaeva, IU V - A third century vessel of the Kokuiyo period p. 228

Atacv, D.M. - Temporal pendants with a tetrakaidecahedron. p 231.

Kabanov, S.K. - Burial of a soldier in the Kashka-Darya Valley p 236.

Runich, A.P - Catacomb burial grounds in the Kislovodsk region. p 241.

Fedorov-Davydov, G.A., Valner, I.S. - An inscription and drawing on a bone from Novy Saray, p. 246.

Language characteristics of the [illegible] om Novyy Saray p. 246.

Two inscriptions of the Moscow [illegible] 49.

"Outline of the archaeology of [illegible] T.A. Buniatov. p 253.

ome problems concerning the Neo- [illegible], p 257.

'A history of metals"[in English] p. 265.

vernors of the Duchy of Novgorod" [illegible] p 272.

History of the Khazars" by M.I. [illegible] 279.

and others. - "Arkheologicheskii Slavic antiquities." p. 284

nanian-Soviet seminar on the problems of archaeology. p 291.

e exhibition "Gold and silver of [illegible], 295

r to A.IA. Briusov. p. 312.

S. Bashkirov; obituary. p. 316.

5. SOCIAL SCIENCES

a. COMMERCE

BIULETEN' INOSTRANNOI KOMMERCHESKOI INFORMATSII, prilozhenie [BULLETIN OF FOREIGN COMMERCIAL INFORMATION, Supplement] [illegible] Nauchno-issledovatel'skii koniunkturnyi institut [Scientific Research Institute of Economic [illegible] Moscow, no 8, Oct 1963

Contents. [Economic conditions of the countries of Southeastern Asia in 1961-1963] [illegible] polozhenie stran IUgo-Vostochnoi Azii v [illegible] 1962 gg 75 p.

No 9, Oct 1963

Contents. [Economic conditions of the countries of the Near and Middle East in 1961-1962] [illegible] micheskoe polozhenie stran Blizhnego i Srednego Vostoka v 1961-1962 gg 63 p.

NOVYE TOVARY, informatsionnyi biulleten' [NEW GOODS, SUPPLY GOODS, Information Bulletin] [illegible] 1963.

SOVETSKAIA POTREBITEL'SKAIA KOOPERATSIIA [SOVIET CONSUMER COOPERATION] [illegible] TSentral'nyi soiuz potrebitel'skikh obshchestv [Central Union of Consumers Societies of the U.S.S.R.] Moscow, vol. 7, no. 8, Aug [illegible]

Table of contents translated

Editorial For the victory of communist [illegible]

Bezelianskii, Ri. - On the right course, p 7

Shvarts, D. - Beacon lights the way. p 9

Kuprianova, Z - Useful conversation p. 11.

Shnaider, B., Kravtsov, V. - Canned food from by-products. p. 14

Ushinov, A - We improve service industries [illegible]

Korotaev, A. - Mobile mushroom cooking [illegible]

Editor's mail. p. 22.

Sheviakov, G. - There is no time to be lost [illegible]

Burmistrov, V. - Alarming symptoms p. 28

Shevchenko, D. - Economic advantages of large cooperative societies. p. 30.

Shuliak, P. - Planning should have an economic [illegible] p. 32.

Shapiro, B - Let's reduce shortages. p. 34

Pisarenko, N. - Hidden potentialities for [illegible] expenditures on state deliveries of wool [illegible]

Heavy hoe materials of a surprise inspection [illegible]

Captives of bad management, materials of [illegible] inspection. p. 44.

Glikin, IA - Operational law of cooperative [illegible] p. 46

Zhilov, I. - Cooperative bakeries. p. 49.

Dneprovskii, S - Cooperators of the Vladimir [illegible] p. 53.

Murashov, N. - Under the heel of monopolists [illegible]

Consultation and advice. p. 59.

Criticism and bibliography. p. 61.

Page of satire and humor. p. 63.

Vol. 7, no. 11, Nov. 1963.

Table of contents translated

Editorial Under the canopy of the October Revolution banners. p. 1.

Belokhonov, A. - Cooperators are faithful helpers. p. 5.

Dzhublin, German. - Party work. p. 9.

Shkabel'nikova, Z. - The all-Union inspection of public dining rooms is in progress. p. 12

Kostylev, N. - We are introducing progressive forms p. 16.

Kruzhkovskaia, L., Gulianeva, K. - Ways to improve the shoe trade. p. 18.

Letavin, V. - The instructor's routine. p. 21

Teder, A., Ratushnyi, A. - Good tradition. p. 23

Shlaen, Z. - Benefits of semifinished products [illegible] p. 25

Diplomas and medals of the exhibition. p. 29

Kravtsova, A. - After the reconstruction p. 32

Eidlina, S., Kaganovskii, I. - Peoples stores are gaining momentum. p. 33.

Platonov, G. - What do the figures tell? p. 36.

Krivobokova, R. - First steps. p. 38.

The editor's mail. p. 40.

Zerkalov, S., Sof'in, M. - Competition in the struggle formalism. p. 42.

Demko, V. - Is this the way to carry out plans? p. 45

Chelyrev, V. - Let beacons light everywhere. p. 47

Bunkaev, I. - Save every kilogram of provisions p. 48.

Price of indifference, inspection materials. p. 44.

Korostik, P. - With the help of the activist group p. 52.

Buchkin, B., Smotrina, N. - Marketing costs and cooperative society. p. 55.

Bakatin, A. - Consultation and advice. p. 62.

SOVETSKAIA TORGOVLIA [SOVIET COMMERCE]. Issued by Gosudarstvennyi komitet po torgovle pri Sovete ministrov SSSR [State Committee for Commerce, Attached to the Economic Council of the U.S.S.R.]. Moscow, vol. 36, no. 8, Aug. 1963.

Table of contents translated

Mirskov, S. - For communist labor. p. 1.
Kosmina, R. - Commerce should have modern administrative equipment. p. 5.
Gimmel'fab, A. - Location of warehouses in cities. p. 9
Vostokov, S. - Liability in self-service stores. p. 13.
Bogdanov, I. - Let's analyze the financial indices of a branch of trade. p. 17.
Skrypka, K. - Let's improve the bonus system for wholesale trade workers. p. 20.
Mikarenko, A. - Mechanization of credit sales accounting. p. 21.
Smorodin, M. - Let's properly organize the delivery records of fruit and vegetables. p. 24.
Ostanovskii, T., Solov'ev, B. - Design of radio apparatus. p. 26.
Abramovich, G., Ilchenkov, I. - Sewers of Chelyabinsk. p. 29.
Godin, L. - Members of the Communist Youth League run this store. p. 31.
Kolkov, F. - These girls help the steelworkers of "Mignitka." p. 32.
Egorov, P. - Our practice. p. 33.
Moroz, I., Shevchenko, V. - First graduation. p. 34.
Maistrenko, S., Mironova, L. - Reconstruction and building of vegetable warehouses. p. 36.
Kolesnik, A., Ogneva, O., Fuenshtein, D. - Accelerated ripening of tomatoes. p. 37.
Strikunov, I. - Footgear out of synthetic materials. p. 40.
Tulinkankhodzhaev, A., Fuks, G. - Corrections dictated by life. p. 41.
Makarova, K., Mesenginel, M. - Planning should be well-founded. p. 42.
Radinbeili, F. - This is not the limit. p. 42.
Potskhishvili, T., Sharotan, A. - Cooperative mercantile buildings. p. 44.
Kinel', V. - Substations combined with commercial enterprises. p. 47.
Korkhila, P. - Department store of the tractor plant workers in Minsk. p. 50.
Gorstich, P. - "Snowflake," a counter and show case. p. 51.
Zarinenskii, IU. - Lighting engineering at the service of advertising. p. 53.
Rusina, A. - Fall 1963. p. 54.
Dissertations on the study of commodities. p. 57.

*VNESHNIAIA TORGOVLIA [FOREIGN TRADE] Organ of Ministerstvo vneshnei torgovli SSSR [Ministry of Foreign Commerce of the U.S.S.R.]. Moscow, vol. 43, no. 10, 1963.

Table of contents translated

Pilipkin, N. - A powerful accelerator of economic progress. p. 3.
Ivanova, A. - The German Democratic Republic is gaining strength and developing. p. 6.
Negowski, Yan. - The foreign trade of Poland in 1962. p. 8.
Kiratsov, P. - Machinery manufacturing in People's Bulgaria. p. 9.
Abramov, F. - Pseudo-scientific studies of bourgeois economists. p. 13.
Marav'ev, N. - The 35th international fair auction in Leningrad. p. 18.
Adov, L. - Australian foreign trade at its present stage. p. 19.
Kaplun, T. - For developing international cooperative trade. p. 23
Rubin, Ernesto. - Such contacts are extremely useful. p. 26.
Kahama, George Clement. - We are satisfied with our visit to Russia. p. 27.
Pochkaeva, M., Andreev, D. - Problems that worry mankind. p. 28.
Bvulia, L. - Forge shop of socialist industry. p. 32.
Kuz'mina, N., Sapozhnikova, N. - Soviet exhibitions in Africa. p. 36.
Babadzhanian, A. - From the Urals to the Adriatic. p. 40.
Arkhipov, V. - Filmstrips for foreign viewers. p. 44.
Kostenko, V. - To scores of foreign countries. p. 45.
Fil'shtinskii, S. - West German monopolies are against the industrialization of the developing countries. p. 46.
Gorodisskii, M. - Patenting in international trade. p. 48.
Drozdov, V. - Foreign exchange and financial problems of modern capitalism. p. 50.
Trade agreement between the U.S.S.R. and the Kingdom of Libya. p. 53.
Announcements. p. 56.

b ECONOMICS

AKADEMIIA NAUK TADZHIKSKOI SSR, Dushanbe. Otdel ekonomiki. Trudy [ACADEMY OF SCIENCES OF THE TAJIK S.S.R. Department of Economics. Transactions], Dushanbe, vol. 6, 1960.

Contents Amanullaev, F. [Developing agriculture on the collective farms in the Soviet Pamirs] Razvitie sel'skogo khoziaistva kolkhozov Sovetskogo Pamira. 84 p.

Vol. 12, 1963

Contents Kovezluk, I. O. [Economic bases of the system of agricultural management on the collective farms of the Gissar Valley] Ekonomicheskie osnovy sistemy vedenila sel'skogo khoziaistva v kolkhozakh Gissarskoi doliny. 96 p.

DUSHANBE. UNIVERSITET. Uchenye zapiski [UNIVERSITY Studies] Vol. 23, 1959. Kafedra politicheskoi ekonomii. Trudy [Department of Economics. Transactions], no. 1

Table of contents translated

Dadabaev, R. - Alliance between the working class and the peasantry is the decisive force in the building of socialism and communism. p. 3.
Troitskaia, M.P. - Marxism-Leninism on the non-capitalist development paths of underdeveloped countries and peoples. p. 29.
Luk'ianchikova, A.I. - The economic law of the steady growth of labor productivity, its effect and utilization in collective farm production. p. 47.
Li, V.G. - Utilizing material and manpower resources in collective farm production. p. 79.
Usmanov, O. - General features of a contract according to Soviet civil law. p. 120.

EKONOMIKA SEL'SKOGO KHOZIAISTVA [ECONOMICS OF AGRICULTURE] Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.] Moscow, vol. 31, no. 9, Sep. 1963

Table of contents translated

Editorial: A great tenth anniversary. p. 1
Ezhevskii, A. - Mechanization is the main force in developing agriculture. p. 11.
Shurygin, V. - Potentials for an upsurge in stockbreeding in Orenburg Province. p. 20.
Romanchenko, A. - Economics of grain production. p. 27.
Smirnov, K. - Size and composition of the rural population of the U.S.S.R. p. 41.
Sokolov, I. - Following the path indicated by the party. p. 46.
Chepel', IA. - Economic efficiency of high-speed grain harvesting. p. 52.
Kogan, E. - Technological planning charts. p. 56.
Aldoshin, I. - Using high-power tractors in the Virgin Territory. p. 65.
Andrienko, L. - Production of pulse crops in the Ukraine. p. 69.
Business accounting within individual production units and progressive wage forms. p. 77.
Methodology for establishing the optimal size of state farms and their sections. p. 88.
Khairullin, Sh., Artemov, N. - Economic efficiency of supplementary tillage of fall-plowed fields. p. 104.
Faktor, G. - Modern America's Achilles' heel. p. 110
Cheshkov, A. - Introduce the work practice of V. Perevitskii's and V. Svetlichnyi's mechanized sections. p. 118.
Klots, E. - Student training should be improved to meet the demands of the June Plenum of the Central Committee of the CPSU. p. 124.

Vol. 34, no. 10, Oct. 1963.

Table of contents translated

Editorial: Improve the role of economists of production administrations. p. 1.
Shcherbina, B. - Potentials for increasing agricultural production and reducing its cost in Tyumen' Province. p. 8.
Solov'ev, V. - Organization and the economics of swine raising state farms in the Kuban. p. 18.
Slobodin, V. - Expenditure analysis for cultivating field crops on the state farms of the Virgin Territory. p. 26.
Dubrova, P. - Economics of fruit culture. p. 37.
Likubenko, P. - Advantages of the stack ensilaging method. p. 51.
Bormotov, A., Krekker, A., Lobkov, I. - Intensive methods for fattening young cattle. p. 55.
Tarasevich, V., Blankman, IA. - Utilize capital investments better. p. 64.
Mkrtumian, G. - KKP-1,8 hemp harvester. p. 71.
Bapaev, B. - Rice is a high yield and profitable culture. p. 74.
Berezin, V. - Potentials for increasing potato production in the Komi A.S.S.R. p. 79.
Pozdniakov, V. - Ways to eliminate seasonal factors in the utilization of labor. p. 83.
Churakov, V. - Machine operators: the uncovering potentials for increasing labor productivity. p. 88.
Cheremushkin, S. - More on the criteria for the economic valuation of land. p. 93.
Khishimdzhinov, M. - Economic valuation of irrigated lands. p. 97.
Borodina, A. - Economic bureau staffed with volunteers on a state farm. p. 102.
Model statute on the collective and state farm economist of the Azerbaijan S.S.R. p. 103
Zelentsov, V. - In the land of the building of socialism. p. 107.
Malakhov, O., Shumantev, V. - Planning agricultural regions. p. 112
Konovalov, L. - Efficiency of deep and improved till tillage. p. 113.
Klots, E. - Plant growing bases of the agriculture of Abkhazia. p. 114
S.Ch. International symposium on the problems of the economic valuation of land. p. 117.
Anisimov, N. - Increasing labor productivity and reducing the cost of agricultural products in the trans-Ural region. p. 119.
Tsvetkova, A. - Conference on working out organizational and economic plans for model farms. p. 125.
Shilin, B. - Produce more and cheaper livestock products. p. 126.

LIETUVOS TSR MOKSLU AKADEMIJA, Vilna. Ekonomikos institutas. Darbai. Trudy Instituta ekonomiki Akademii nauk Litovskoi SSR [ACADEMY OF SCIENCES OF THE LITHUANIAN S.S.R. Institute of Economics. Transactions] Vilnius, vol. 11, no. 1, 1963 [In Russian and Lithuanian]

MIROVAIA EKONOMIKA I MEZHDUNARODNYE OTNOSHENIIA [WORLD ECONOMICS AND INTERNATIONAL RELATIONS] Issued by Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii Akademii nauk SSSR [Institute of World Economics and International Relations of the Academy of Sciences of the U.S.S.R.] Moscow, no. 10, 1963.

Table of contents translated

Fadeev, N. - The members of the Mutual Economic Assistance Council are strengthening economic cooperation. p. 3.
Galkin, A. - Man and weapons in modern war. p. 16.
Lemin, I. - Foreign policy of the United States: Crisis of the postwar course and the conflict of opposing trends. p. 27.
Rodriguez, E. - Upsurge of the peasant movement in Latin American countries. p. 41.
Sheinin, IU. - State monopoly capitalism and scientific and technological progress. p. 55.
Nesterov, S. - Maneuvers of American imperialism in Southeastern Asia. p. 66
Sergeeva, Natal'ia, and others. - Current problems of world politics. p. 78.
Kiselev, V. - The working class and national liberation revolutions. p. 93.
Lenin, P. - The chemical industry of the United States. p. 99.
Dedov, A. - A comeback in the world. p. 107.
Arkad'ev, N. - Real possibilities. p. 115.
Maklianskii, B. - Revenge of the "steel kings." p. 117.
Tivanov, V. - Military expenditures in the German Federal Republic. p. 120.
IUr'ev, N. - A "Marshal Plan for the Congo." p. 122.
Trigubenko, M. - Passing the buck.... p. 124.
Brief news. p. 127.
Kogan, M. - The "Tanganyika Concession." p. 130.
Kanapa, Zh. - Maurice Thorez. p. 135.
Zarina, L., Oskolkova, O. - Shripad Armit Dange. p. 137.
Borisoglebskii, IU. - Agostino Neto. p. 138.
Vasil'ev, S. - Giovanni Leone. p. 139.
Pletnev, E. - Anxieties of "Little Europe's" bourgeois. p. 141.
Shakhov, G. - Barry Goldwater, first among the "possessed." p. 144
Butov, A., Dubson, B. - From revisionism to treason. p. 148.
Volkov, M. - The Tories in power. p. 150.
Volkov, M. - Condition and struggle of the French agricultural proletariat. p. 153.
New books published abroad. p. 155.

MOSCOW. UNIVERSITET. Vestnik. Seriia 8. Ekonomika, filosofiia [UNIVERSITY. Review. Series 8. Economics, Philosophy] Vol. 18, no. 4, July-Aug. 1963

Table of contents translated

Azarova, M.M. - The most important, the main thing. p. 3.
Zaitsev, V.P. - Process of combining intellectual and physical work in production operations, using the example of Gorkiy Province industry. p. 13
Zakhmatova, M.P. - Aggression of private capital of the U.S.A. in Western Europe. p. 27.
Objective truth in criminal procedure:
Starchenko, A.A. - Methodological problems of legal procedure. p. 38.
Strogovich, M.S., and others. - Statements. p. 50.

Zhibinov, A K. - Specialization of metal-cutting workshops is the important condition for reducing cutting tool costs. p 77.
Zaitseva, Z. N. - Generalizing role of the word. p 86.
The Lomonosov lectures
Filin, N. - In the Economics Faculty. p. 90.
Droban, A - In the Philosophy Faculty. p. 92.
Agzamov, P., Shubenkova, E., Bodrilin, A. - Developing the theory of a socialist all-people's state. p. 93.
Collapse of the world system of colonialism. p. 95.
Volkov, F., Vlasov, A. - Practical training of economics students. p 99

Vol. 18, no. 5, Sep.-Oct. 1963.
Table of contents translated.
Shagalov, G. L. - Problems of the economic effectiveness of foreign trade. p. 3.
Podkovyrov, N. A. - Improving the organization of labor and production in the auxiliary work of industrial enterprises. p. 18.
Andrievskaia, V. A. - Government purchases serve the interests of American monopolies. p. 28.
Nechiporenko, L. A. - Struggle of the Australian Marxists for the creative application of Marxist-Leninist theory and against bourgeois ideology and reformism. p. 42.
Malyshev, B. T. - I. M. Sechenov on vital function, on the centenary of the publication of his most important work "Brain reflexes." p. 52.
Kovacs, Lazlo - Anti-Darwinism and socio-Darwinism in the service of Hungarian reactionaries; the late 19th and the early 20th century. p. 63.
Smirnov, F. N. - Philosophical views of A. P. Kunitsyn. p. 74.
Chesnokov, G. D. - Critical evaluation of A. Toynbee's philosophy of history. p. 86.
Labor turnover and economic theory. p. 95.

MOSCOW VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT EKONOMIKI SEL'SKOGO KHOZIAISTVA. Doklady i soobshchenila [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF AGRICULTURAL ECONOMICS. Reports and Papers]. No 15, 1963.
Table of contents translated:
Pentiuk, M. V. - Produce more meat and cheaper. p. 3.
Burlakov, N. M. - Economic evaluation of the meat quality of cattle. p. 17.
Kliukov, V. F. - Collective farm specialization in cattle fattening. p. 32.
Petiaev, S. S. - Practice in swine fattening. p. 41.
Grushetskii, L. A. - For profitable meat production in Uzbekistan. p. 46.
Butrimenko, V. P. - Organization of meat production on the "Komsomolets" State Farm, Kalmyk A. S. S. R. p. 56.
Polovenko, I. S - Stable feed supply is the basis for developing stockbreeding. p. 63.
Nikol'skaia, L. P. - Reducing expenditures for corn ensilage and the preparation of straw for feeding. p. 76.
Ivanov, A. S., Svobodin, V. A. - Method for calculating the efficient structure of planting forage crops. p. 80.
Goriachkin, M. I. - Farm mechanization is the main potential for increasing labor productivity in stockbreeding. p. 91.
Shliakhtin, V. I. - Work organization on farms with loose housing for cattle. p. 100.
Mynnikov, N. S. - Ways to reduce costs for swine production on the collective farms of Voronezh Province. p. 110.
Sakatunov, S. V. - Optimum time for raising ducklings for meat. p. 120.
Isaenko, N. P., Kniazev, N. K. - Concentration of milk production on the state farms of Moscow Province. p. 128.
Chinarov, I. I - Influence of cow's productivity on reducing milk costs and increasing labor productivity on a farm p 68
Fedichkin, A. G - Ways to reduce swine costs on the state farms of the Kuban. p. 81.
Soroka, A. M., Chernobrovkin, V. I. - Potentials for reducing the cost of swine p 93.
Tlapkin, N. T. - The cost structure of mutton. p. 106.
Basiuk, F. T. - Poultry cost analysis. p 112.
Amirov, A. S - Efficiency of various methods for keeping chickens at the Baku Poultry Plant. p. 118.
Shchanin, I. V. - Planning the feed base. p. 128.
Sokolov, A. V. - Feeding cattle with corn is most profitable. p. 140.
Ul'iankin, I. P, Mal'tsev, G. D - Comprehensive mechanization and progressive work technique are the bases for increasing labor productivity in swine raising p. 148
Solov'eva, V. P, Mel'nova, N. K. - Collective and state farms leading in milk production. p. 160.
Labenets, V. F. - Problem of paramount importance. p. 168.

NARODNOE KHOZIAISTVO KAZAKHSTANA [THE NATIONAL ECONOMY OF KAZAKHSTAN]. Issued by Gosplan Kazakhskoi SSR [State Planning Commission of the Kazakh S. S. R.]. Alma-Ata, vol. 21, no. 8, Aug. 1963
Table of contents translated:
Editorial: Save time and strengthen labor discipline. p. 3.
Builders of central Kazakhstan are uncovering potentials. p. 7.
Orlov, A. - What do figures tell. p 8.
Chekhlov, P. - Over-expenditures which are passed over. p. 12.
Liokal, P. - When the economy was consumed by laggers. p. 16.
Geller, L. - Our practice of primary planning. p. 17.
Semenov, I. - An economist or a counter? p 20.
Kravchenko, I. - They saved a kopeck but wasted a rouble. p. 21.
Mironenko, N. - Time limit and overhead costs. p. 23.
Grunskii, I. - There are potentials but no results. p. 25.
Abramov, G. - With a stroke of the pen. p. 27.
Shchavelev, A. - Important method of administration. p 28.
The party guidance of production. p. 33.
Shakin, A. - Valuable food products are not utilized. p. 34.
Il'in, S., Polner, L. - Keep it up! p. 36.
Kondin, S. - Economics of geological surveys. p. 43.
Sukhova, L. - Regulate cement transportation. p. 46.
Kudriashov, P. - Routine of the Temir-Tau chemical workers. p. 48.
Oleinikov, A. - Study and work walk side by side. p. 51.
Voronina, A. - Our controller is the conscience. p. 52.
Suleimanov, M. - The title has been awarded, what next? p. 54.
Nigel, F. - On the canal route today. p. 58.
Fridliand, A. - There should be no clinches in planning. p. 64.
Ishmukhamedov, N. - Painful problems. p. 66.
Nasybulina, L. - Several problems in improving the wholesale trade. p. 69.
Shevtsov, N. - Promotion. p. 73.
Ivanov, K. - Minor metallurgy. p. 75.
Petrov, I. - Hardening of steel parts. p. 77.
Follow-up of our materials. p. 79.

NARODNOE KHOZIAISTVO UZBEKISTANA [THE NATIONAL ECONOMY OF UZBEKISTAN]. Issued by Gosudarstvennaia planovaia komissiia Soveta Ministrov Uzbekskoi SSR [State Planning Commission of the Cou[illegible]isters of the Uzbek S. S. R.]. Tashkent, [illegible]ly 1963.
[illegible]ontents translated
[illegible] Soviet flight in outer space. p. 3.
[illegible]ard the common aim. p. 5.
[illegible] nature and incalculable resources.
[illegible]conomy of the Central Asian Economic [illegible]ehensively. p. 10.
[illegible]vement is the main criterion of tech[illegible]gress. p. 16.
[illegible]d its possibilities. p. 20.
[illegible]ibility and durability. What is needed to [illegible]. p. 29.
[illegible]sed aloud. pp. 29, 31, 32, 33, 34.
Borisov, P. - Two words about the furniture. p. 36.
[illegible]nic point of view. p. 41.
[illegible] - A Kayrakum carpetmaker. p. 44.
[illegible]ways with the collective. p. 52.
[illegible] generous heart never lacks warmth.
Forward toward communism under the [illegible]e Lenin Party. p. 60.
Zarva, V. - Protect the land from [illegible] p. 63.
Nogin, N. - Suggestions deserving [illegible] 66.
Gol'dshtein, L. - Potentials for increasing labor productivity on the Central Asian Railroad. p. 71.
Pilosov, A. - Silicate and calcium silicate obtained from the barchan sands and loess. p. 75.
Borukhov, M. - Isotopes are serving the national economy. p. 77.

Vol. 5, no. 10, Oct. 1963.
Table of contents translated:
Editorial: Disseminate a knowledge of economics among the masses! p. 3.
Berliand, A. - For a closer tie between political education and practice in the building of communism p. 7.
New books by Uzbekistan scholars. p. 12.
[illegible]ldashev, F. - Supply the province's economy with a uniform development plan. p. 13.
New city on the bank of the Aral. p. 14.
Altukhov, A. - There is a need for a specialized trust. p. 17.
Khmel'nitskaia, S. - We are responding with deeds p. 18.
Davydov, G. - Facilitate the development of large-scale chemistry in Uzbekistan. p. 19.
[illegible]Urits, A. - The raw materials base exists, let us build a combine. p. 22.
Elpatov, N. - More production with less equipment. p. 25.
Ostrovskii, G. - The construction industry should undergo comprehensive automation. p. 26.
Sabirov, Kh. - There is a need for a consolidated budget of Central Asian republics. p. 32.
Rakhimov, R., Tomchani, A. - Gas. p. 34.
Compaign for profitableness. p. 38.
Turuntaev, A. - Kara-Kalpak agriculture should become diversified. p. 47.
Sadykov, A., Turulov, A., Burtman, B. - Attention! Bagassel p. 49.
Furman, E., Popov, N. - Harmful haste. p. 50.
Ustimenko, Igor'. - At the source of a great gas stream. p. 54.
Alekseev, A. - Good friendship grows and strengthens. p. 60.
Braginskii, L., and others. - Kitchen boards and administrators without initiative. p. 61.
Anisimov, I. - Great possibilities of cooperative housing construction. p. 68.
Astaf'ev, I., Kovalerchuk, IA. - Judicial service in an enterprise. p. 70.
Polozhnov, F. - What hinders the training of academic personnel. p. 73.
Korobko, P. - Refrigerate fruit freight. p. 74.
A new housing block. p. 75.
Chernov, P. - In spite of facts. p. 76.
The oldest economics journal. p. 79.

NOVAIA INOSTRANNAIA EKONOMICHESKAIA LITERATURA [NEW FOREIGN ECONOMIC LITERATURE] Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 9, 1963.

REFERATIVNYI SBORNIK: EKONOMIKA PROMYSHLENNOSTI [JOURNAL OF ABSTRACTS: ECONOMICS OF INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 11, Nov. 1963.

VESTNIK STATISTIKI [STATISTICAL REVIEW]. Organ of TSentral'noe statisticheskoe upravlenie SSSR [Central Statistical Administration of the U. S. S. R.] Moscow, no. 9, 1963.
Table of contents translated:
Sdobnov, S. - Following the Leninist path; on the tenth anniversary of the September Plenum of the Central Committee of the CPSU. p. 3.
Vybornov, V. - Analysis of the economic efficiency of the reconstruction of operating enterprises. p. 13.
Petrakov, N. - Using correlation methods for studying the profit level in industry. p. 21.
Workers of government statistics join the communist labor movement. Kostin, N. - The Omsk statisticians are the initiators. p. 30.
Shashkin, P. - First results. p. 33.
Eidel'man, M. - Using mathematical methods in studying interbranch relations. p. 35.
Goncharov, N. - State farm statistics should have an orderly processing system. p. 51.
Ostapenko, V. - Uncover potentials for a better utilization of equipment. p. 53.
Kirtushkin, I. - Several survey results of mechanized laundries. p. 55.
Ippolitov, S. - Calculating the average length of the workday and the work week. p. 56.
Abramovich, K. - Forestry as a branch of material production. p. 58.
Maslov, P. - "Problem of optimal planning" by IA. P. Gerchuk. p. 60.
Vasiutin, A. - "Statistical yearbook of the People's Republic of Bulgaria for 1962." p. 62.
Statistical problems discussed in newspapers and journals. p. 67.

Kuin, S. - Conference of Central Statistical Administration Chiefs of the Union Republics p 69.
I V. - The fifth session of the Conference of Asian Statisticians. p. 71.
Sobennikova, L. - Interuniversity Academic Conference on the use of Electronic Calculating Machines in Accounting, Planning and Statistical Work. p. 73.
U.S.S.R. agriculture from 1953 through 1962. p. 79.

\. 10, 1963.
Table of contents translated·
Polarskii, A , Dzhaparidze, V. - Research tasks in using mathematical methods and electronic calculating machines. p 3.
Krasheninnikov, V.— Changes in the distribution and density of the population of the Ukrainian S. S. R. p. 16.
Solov, E - Ways to improve accounting on collective farms. p. 27.
Konson, A - Reliability indices of the operation of equipment p. 35
Korolkov, V. - Pattern of the formation of the sampling aggregate. p 42
Sovinskii, D. - First statistical study of the production costs of Soviet industry. p. 50.
Yavra, Z. - Birth dynamics in the Czechoslovak Socialist Republic. p. 53.
Makhov, G. - Procedures for converting corn cobs to grain corn. p. 61.
Smelev, G. - Improve the accounting for labor on collective farms. p. 67.
Vertikov, D , Bredov, V. - Militant aids of Soviet statisticians. p. 69.
Churkov, V - Machine accounting for the utilization of equipment. p. 70.
Loboda, V. - Valuable initiative. p. 71.
Fridʹeva, L., Baburin, V. - "Seasonal factors in the retail trade and consumption," edited by N. K. Druzhinin. p. 73.
Statistical problems discussed in newspapers and journals. p. 75.
The 11th Plenary Session of the Conference of European Statisticians. p. 77
Dzhagaspanian, A , Volkov, A. - Seminar on long-range estimates of the population, and the distribution and utilization of the labor supply in the Union Republics. p. 81.
Lukubovich, G. - Simultaneous census of the productive capacity of operating industrial enterprises. p. 87.
In the Presidium of the Supreme Soviet of the R.S.F.S.R. p. 87.
Expenditure of labor for agricultural production on collective and state farms. p. 88.
Distribution of collective farms according to the populated areas in the Union Republics for 1961. p. 94.
Number of the populated areas, branches and sections in state farms of the Ministry of Agricultural Production and State Deliveries in the Union Republics for 1963. p. 95.

d. LABOR

OKHRANA TRUDA I SOTSIAL'NOE STRAKHOVANIE [PROTECTION OF LABOR AND SOCIAL INSURANCE]. Issued by Vsesoluznyi TSentral'nyi Sovet Professional'nykh Soiuzov [All-Union Central Council of Trade Unions]. Moscow, vol. 6, no. 10, Oct. 1963.

Table of contents translated:

Romanov, N. N. - From congress to congress. p. 1.
Kropov, S. - From Moscow residents to the forum of trade unions. p. 6.
Latysheva, A. - Wings of a good initiative are getting stronger. p. 9.
Makeev, G. - Great power. p. 11.
Mikhailov, IU. - Coeval of October. p. 13.
Slonov, N. - Along the path of their fathers. p. 15.
Solodovnikov, I. - This is how they achieve success. p. 16.
Breerman, IA. - This is within the reach of everybody. p. 18.
Berg, A. - The youngest science. p. 20.
Letavet, A. - In the laboratories of an institute. p. 21.
Berkovich, D. - On the front line. p. 22.
Kouzov, P. - Aid for industries. p. 24.
Narin, V. - Our doctor. p. 26.
Evgen'eva, D. - Reliable assistants. p. 27.
Khmeleva, V. - On the "Mikhaylovskiy Pereval" State Farm. p. 30.
Community participation. p. 32.
How to organize control over the procurement of individual protective means for workers. p. 34.
Zhibrov, V. - Auditing the execution of the disbursement part of social insurance estimates. p. 36.
For the petroleum workers of Bashkiria. p. 39.
Youth of a hundred-year-old giant. p. 40.
Kronov, A. - Pearl of the Caucasus. p. 42.
Overpayments of state pensions should be returned in full. p. 44.
Under the yoke of capital. p. 45.

Vol. 6, no. 11, Nov. 1963.

Table of contents translated

Under the banner of October. p. 1.
Oparin, V. - Let's show more initiative! p. 3.
Shapovalov, G. - Man is at the center of attention. p. 4.
Chernyshev, L. - Thoughts on public health. p. 5.
Maksimov, M. - Our contribution to the Russian treasure chest. p. 7.
Monchenko, I. - Life is an examination. p. 8.
Kuz'mina, V. - Pledge is fulfilled. p. 9.
Kovaleva, T. - In the same ranks. p. 10.
Semenov, E. - Herald of the struggle for workers' interests. p. 11.
Karpushchenko, V. - If one compares.... p. 14.
Sinel'nikov, G. - In reliable hands. p. 15.
Davidenko, N. - We are facing great tasks. p. 16.
Brilukhanov, V. - Life dictates. p. 18.
IAkhnovich, D. - From overspending to economy. p. 21.
IAnbukhtin, R. - Good tradition is getting stronger. p. 24.
Fenchenko, P. - Without industrial accidents. p. 25.
Take care of your sight. p. 26.
Varshavskii, A. - Thanks to the party for its care. p. 30.
Kozlovskaia, A. - "Dynamo" in the past and at present. p. 31.
Efremova, N. - Forepost of health. p. 32.
Kaftanovskaia, A. - Don't limit the rights of working pensioners. p. 35.
Putinev, S. - One should carry things out rather than only make a note of it. p. 37.
Blinov, I. - When possibilities are not made use of. p. 39.
Baygin, K. - Granting payments in cases of temporary disability. p. 41.
TSeitlin, S., Borovskaia, E. - Committees on labor disputes. p. 42.
Blokhin, N. - Calculation of pensions on the basis of the highest wage. p. 44.
Determination of damages caused by maiming must be based on the tax-free average wage of the victim. p. 46.
Examination procedure for compensation cases resulting from damages sustained by railroad workers and employees in connection with their work. p. 47.

RABOTNITSA I SIALIANKA [THE WOMAN WORKER AND THE PEASANT WOMAN]. Issued by TSentral'ny Kamitet Komunistychnae partyi Belarusi [Central Committee of the Communist Party of White Russia]. Minsk, vol. 39, no. 7, July 1963.

Table of contents translated:

Usova, V. - Glorious and famous daughter of our country. p. 2 of cover.
Current problems of our party. p. 1.
A congress of hope, friendship, and unity. p. 2.
Peace, friendship, and unity! An appeal of the International Congress of Women. p. 3.
Fedasenka, Ul. - Daughter of the party. p. 6.
In memory of M. F. Muratova. p. 7.
Vakul'skii, N. - Shoulder to shoulder with other people. p. 8.
Vasilevskaia, Halina. - They will understand you. p. 9.
Rybak, Ales' - Hers is a heroic life too. p. 10.
Birchanka, Henadzii. - A wilding; a story. p. 12.
Balash, A. - Her birthday. p. 14.
Tymbikava, Kaiash. - "The thread of life." p. 16.
TSyvos, I. - Redoutable foils. p. 17.
Varno, Uladzimir. - Did she come to a sound decision? p. 20.
Aleksandrovskaia, L. P. - Nightingale of the Russian land. p. 21.
Malakovskii on his life and work. p. 22.
Slavina, L. S. - Why your children disobey your orders? p. 22.
Serdziukou, N. - They concern themselves with everything. p. 23.
Cookery. p. 24.

Vol. 39, no. 9, Sep, 1963.

Table of contents translated:

Peace, freedom and the happiness of all people. p. 2 of cover.
Mikhelkin, P. - New grain. p. 2.
Zviaruha, Paulina. - Experience is the most important factor. p. 3.
Kaurydskaia, A. M. - Their skillful hands. As told to Alena Vasilevich. p. 4.
Uhal'nik, Iryna - It's good to be at the forefront! p. 5.
Zhychka, Khvedar. - The hymns of labor. p. 7.
Dubouka, Uladzimir. - Donkey and camel; verse. p. 7.
Lukanskaia, E. - Trains race past their house. p. 8.
Katouski, I. - A letter carrier. p. 8.
Shleh, A., Kuchar, IA. - Family of the winged. p. 10.
Hrybouski, S. - Warmhearted people. p. 11.
Kachavy, M. - Good start. p. 12.
Husakova, M. - Friend and adviser. p. 13.
Bryl', IAnka. - Did this really happen? Excerpt from a novel. p. 14.
Vasilevskaia, Halina. - 'Sister Basysa." p. 19.
New motion pictures. p. 18.
Letters to the editor. p. 20.
Zhukouskaia, V. - Can the characters of parents be transmitted to their off-spring? p. 21.
Harbunova, Eleanora. - Artificial kidney. p. 22.
Good posture. p. 23.
Cookery. p. 24.

SOVETSKIE PROFSOIUZY [SOVIET TRADE UNIONS]. Issued by Vsesoluznyi TSentral'nyi Sovet Professional'nykh Soiuzov [All-Union Central Council of Trade Unions]. Moscow, vol. 19, no. 17(275), Sep, 1963.

Table of contents translated.

Bulgakov, A. - Important event in the life of Soviet trade unions. p. 1.
Baranova, N. - Profitable to everybody. p. 5.
Karpov, IA. - Place the delivery of equipment under public control. p. 7.
Sigorskii, V. - Communist labor research. p. 10.
Emel'ianov, A - The Ural gems; sketch. p. 14.
Makhova, K. - Help on the spot is the best training. p. 16.
Poroiskaia, L. - Your duty, teacher! p. 18.
Liutikov, V. - Behind the shield of average figures. p. 20.
Zavadskii, V. - Begin with the small. p. 22.
Lukin, V. - Arm in arm. p. 24.
Mishchenko, V. - A trade-union group on a farm. p. 25.
Margolin, L. - Trip into the heroic years. p. 28.
Giurov, Stoian. - We have a common aim and friendship eternal as life. p. 31.
Ardent desire of Austrian workers. p. 34.
Letters from the editor. p. 35.
Readers, relate, advise and criticize. p. 36.
Pasechnyi, P. - Mass participation plus skill. p. 38.
Lilental', A. - Chess is on the agenda. p. 41.
Korotkov, V. - Wages for vacation time. p. 43.
Replies to our readers. p. 45.
Frolova, K. - We love the trade-union book. p. 46.
Novikov, S. - When youth is maturing. p. 47.

Vol. 19, no. 19(277), Oct. 1963.

Table of contents translated·

Editorial: Following the Leninist principles. p. 1.
Makarov, I. - Develop the technical creativeness of the masses. p. 4.
Atapina, R., Ulganets, A. - Search for potentials in the working area. p. 6.
Erdman, I. - Answer for the job you are entrusted with. p. 9.
Shabashov, V., Ivannikov, G. - At the sources of the plan. p. 12.
Meshcheriakov, E. - Gift. p. 14.
Novitskii, D. - We are the bosses. p. 14.
Malinovskii, I. - Their demands are justified. p. 15.
Tarasov, V. - Schools of communist labor practice. p. 16.
Matveev, V. - Remove departmental barriers! p. 18.
Brekhov, I. - Plant committee, family and school. p. 20.
Dobrovolskis, P. - When the construction begins. p. 22.
Tukhtakhanova, Dil'bar. - The jug should not break. p. 25.
Kovadlo, M. - The Admiralteiskii brigade leader. p. 28.
Il'in, M. - Our Katia. p. 28.
Ponamarenko, B. - Confidence gained through work. p. 29.
Nikitin, S. - The heiress (sketch). p. 28.
Falatov, IU. - A very active woman. p. 31.
Kurdiumova, G. - As seen through comrades' eyes. p. 32.
Gorlachev, G. - With the warmth of your heart toward fellow man. p. 34.
Makukhin, E. - The floor belongs to the workers' meeting. p. 36.
Ernio, R. - Strengthen the international solidarity of workers. p. 40.
Kun, Vilem. - With full force. p. 41.
Gonatas, L. - The sacred duty of all men. p. 44.
Nikitinskii, V. - Concern for work and rest. p. 45.

Vol. 19, no. 20(278), Oct. 1963.

Table of contents translated:

Editorial: The banner of the October Revolution is the banner of communism. p. 1.
Klimenko, V. - Improve the work standards of primary organizations. p. 4.
Davranov, T. - At the frontier of heavy industry. p. 7.
Panoramas of our life; photoreport. p. 8.
Smirnov, I. - Path beyond the horizon. p. 10.
Stanilevich, V. - Labor guards are on the march. p. 14.
Didusenko, A., Nadezhdina, N., Segalov, V. - Plant's wings. p. 16.
TSingalenok, V. - From a design to the finished house. p. 21.
Gorbovskii, V. - Quantity plus quality. p. 22.
Chachin, V. - Alesha's happiness; sketch. p. 24.
Taletskii, V. - Roll-call of generations. p. 26.

Antonov, V., Kashkadamov, I. - Public participation is the real support p. 30.
Polynin, Viktor - Man and the meeting p 32
Letters from the editor p 33
Francbon, Benoit. - Our friendship became a tradition p 34
Nikitin, M. - To victory through unity p 36
Bruman, S. - Truth will tell p 38.
Sosnovskii, S. - Campaign against cotton dust. p 39
Vanhat, Ilkr. - Multiply the ranks of athletes. p. 40.
Ivanov, Andrei. - A pleasant encounter. p. 42.
Our consultations. p. 44.
Replies to our readers. p 47.

VSEMIRNOE PROFSOIUZNOE DVIZHENIE [WORLD TRADE-UNION MOVEMENT] Organ of Vsemirnaia federatsiia profsoiuzov [World Federation of Trade Unions] Moscow, no 10, Oct 1963

Table of contents translated

Editorial Hernio, Robert - The miners of Asturias are in the vanguard of the battle again p. 1
For the complete end of nuclear tests p 2
The World Federation of Trade Unions welcomes the Moscow Treaty p 3
Iscaro, Rubens - Argentina Week of protest against reaction p 4
Padilla, Luis - The trade-union movement in Uruguay is on the upsurge. p 9
Camp, George - "The strike in Georgetown" is a lie of the capitalist press p 10
Sisi, Mustapha - Workers' condition in the Congo p 16
Allen, Brian - Two new attempts to curb the wage increase p 19.
Wang Hsing-Hsueh, - At a tractor fractory. p 21.
V P - Against a price increase and for higher wages. p 22
Coleman, B - Disarmament will be only beneficial to the American workers p 24
Andreev, S - Soviet trade unions are for unity p. 28.
Resolution of the Secretariat of the World Federation of Trade Unions on postponing the Second International Trade-Union Conference on the Problems of Working Women p 30.
Teodorescu, Elena - For united action on behalf of women workers. p 30
Mohale, Tsabie - Miserable lot of South African women. p 32.
First woman astronaut appeals to our readers. p 36
The trade-union training school. p. 37.
The Danish people want peace p 40.
Solidarity of the World Federation of Trade Unions with the striking Spanish miners. p 42
The World Federation of Trade Unions supports the struggle of Asturian miners. p 42.
Against repressions in South Vietnam. p 43.
The International Trade-Union Committee for Solidarity with the Workers and People of South Vietnam will assemble for its first meeting in Hanoi on October 20 p. 43.

e. SOCIOLOGY

KAZACH'IA ZHIZN' [COSSACK LIFE]. Issued by Vtoroi otdel Kazach'e-amerikanskogo narodnogo soiuza [Second Division of the Cossack American National Alliance, Inc.]. Providence, R I., vol. 11, no. 125, July 1963.

KAZAKSTAN EIELDERI [KAZAKHSTAN WOMAN] Alma-Ata, no 11, Nov 1963. [In Kazakh]

PADOMJU LATVIJAS SIEVIETE [WOMAN OF SOVIET LATVIA]. Issued by Latvijas Komunistiskas partijas Centrala Komiteja [Central Committee of the Communist Party of Latvia] Riga, no. 11(135), Nov. 1963. [In Latvian]

SMENA [THE YOUNGER GENERATION]. Organ of TSentral'nyi komitet Vsesoiuznogo Leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol 40, no. 19, Oct 1963

Table of contents translated:

Lanin, Valerii. - Two birthdays. pp. 2 of cover, 1.
Khalt, Grigorii. - At the turn of the century. p. 2.
Morianov, I. - Course of famous captains. p. 4.
Kal'nik, S. - "...the brave fallen in action." p. 9.
Gasparian, A., Aksel'rod, L. - Heroes are always young. p. 10.
Krasutskii, I. - Oak leaves on the cockade.... p. 14.
Gilensen, V. - Mystery of "Cicero" (to be concluded). p. 18.
Sushkov, IU. - Vocations of a jet propeller. p. 22.
Semenov, Boris. - After a heroic deed. p. 24.
Liublinskii, V. - Chess. p. 27.
Golubev, P. - Every year in the fall.... p. 28.
Tartakovskii, Mark. - Yesterday, today and tomorrow. p. 30.

SOTSIAL'NOE OBESPECHENIE [SOCIAL SECURITY] Issued by Ministerstvo sotsial'nogo obespecheniia RSFSR [Ministry of Social Security of the R S F. S R.] Moscow, vol. 24, no 8, Aug. 1963

Table of contents translated

Ideological weapon of the party p 1
Shul'ina, M - Adviser and assistant. p 1
Belikov, M - There are also volunteer inspectors p. 6
Shushkalov, N. - Councils operate p 7
Efimov, S - Noble goal. p. 8
Trufimov, A - In the front lines p. 10
Khorosheva, P. - Our beacon lights. p 10.
Osipian, M - From urban section to rural section and from rural section to urban section p. 14.
Mishchenko, T - My working day p 15
Luk'ianova, V - So that everybody gets according to his work p 16
Tarashchenskii, A. - What is meant by the length of service on a collective farm p 18
Glinkova, L. - Active observation of invalids' health p 21
Zaria, K - Sharing our experience p. 22
Karaseva, N - Masters in their own house p 24
Novosel'tsev, I - Fellow workers' court in operation. p. 28
Polegen'ko, S - The collective is my support p 30
Petrov, N. - Training of personnel is an important task p 32
Markova, A - Old collective farm workers live here p 32
Lisitsyn, V, Polivarpov, K - Not everybody can be a tourist p 34
Sidel'nikov, V. - Profits, losses and "other" production p. 36
Semidetova, P - Mobile workshop. p 39
Nazarova, G - We improve technical and economic indices. p 42
Churina, N - Let's put the new and progressive features into practice. p. 43
Leont'ev, V - Slowly and badly p. 44
Rulev, N - Outstanding assistant p 46.
From the Board of the Ministry. p 48
TSederbaum, IU. - New features in the awarding of and accounting for bonuses in the computation and payment of pensions. p 50.
Questions and answers. p 55.
Smirnov, S - Applications and complaints p. 57
Derevnin, M. - Twelve days in Denmark. p. 59

Vol. 24, no. 10, Oct. 1963.

Table of contents translated:

Work program of trade-union organizations. p. 1.
Andreeva, N. - There is an unusual reception in the section today.... p. 4.
Sokolova, E. - We have 400 assistants. p. 7.
Leont'ev, V. - Courses and students. p. 10.
Gizatullin, N., Kul'bortaev, F. - There is not a hint of argument here,... p. 13.
Petrov, I. - Ancillary actions to be directed against concrete defendants. p. 16.
Gorbunov, A. - Economic significance of the pension law. p. 18.
Nosach, I. - We reduce morbidity and the number of accidents. p. 20.
Benshtein, I. - First steps. p. 22.
Ovchinnikov, A., Molochkova, Z. - Diagnosis of ulcers. p. 24.
Semidetova, P. - Suit No. 1493. p. 27.
Litvinov, I. - Youth starts an independent life. p. 30.
Voronezhskii, L. - Community and its public-spirited workers. p. 35.
Litvinov, A. - Every student is valuable. p. 39.
Dobrynina, N. - Always in the ranks. p. 41.
Rabinovich, A. - Let's introduce progress and improve quality. p. 42.
Khaitonskaia, L., and others - The problem is solvable. p. 44.
Four years have passed. p. 48.
Readers discuss, suggest and advise. p. 50.
From the Board of the Ministry. p. 52.
Questions and answers. p. 54.
New in legislation. p. 56.
Social insurance in capitalist countries. p. 60.

SOVET TURKMENISTANYNYN AIALLARY [SOVIET TURKMENISTAN WOMAN]. Organ of TsK KP Turkmenistana [Central Committee of the Communist Party of Turkmenistan]. Ashkhabad, nos. 9(123)-10(124), Sep.-Oct. 1963. [In Turkmen]

TARYBINE MOTERIS [SOVIET WOMAN]. Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, no. 11(143), Nov. 1963. [In Lithuanian]

UZBEKISTON SOTSIAL TA"MINOTI [SOCIAL SECURITY OF UZBEKISTAN]. Issued by Ministerstvo sotsial'nogo obespechenila Uzbekskoi SSR [Ministry of Social Security of the Uzbek S. S. R.]. Tashkent, no. 5(30), Oct. 1963. [In Uzbek]

6. POLITICAL SCIENCE

AGITATOR [AGITATOR] Issued by Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party, Soviet Union] Moscow, no 16, Aug

Table of contents translated

Sergeev, G., Burov, V. - The program [illegible] on the Volga River. p. 2
The strength of propaganda depends on party-ship. p. 3.
In the interests of all nations. p. 7
Zakolupin, N. - The road to prosperity, [illegible] anniversary of the September Plenum [illegible] tral Committee of the CPSU. p. 12
Teofanov, RI - A poet of a with [illegible] of a fighter? p. 16.
Krupka, I. - People's control in operation
Plaksin, S - Consolidation of economic [illegible] among fraternal nations p. 24
Grebnev, A. - The development of land [illegible] Rumania. p. 27
Korotkov, V. - Working Solidarity [illegible]
Razumov, V. - Dispute the [illegible] judices. p. 34.
Kashirskii, F - The book is a faithful [illegible] propagandist, consultation p. 36.
Manin, K. - What the example of the [illegible] vesting teaches us. p. 40.
Pravdin, D. - Income distribution and [illegible] p. 44.
Zapivalov, N., Shpil'man, K. - The [illegible] lands of Siberia p. 47.
Eloquent acknowledgements. p. 50
Raisa, P., Gorlushkina, A., Kuznetsov, [illegible] our families be happy! p. 53.
Isolated muses; a feuilleton. p. 58
Degonadze, R., and others. - Letters [illegible] comments. p. 60
Ioffe, M. - Let a fresh wind blow into [illegible] corners. p. 62

No 18, Sep 1963.

Table of contents translated

Editorial There shouldn't be any [illegible] p. 3
Kuskov, E. - A constituent part of the [illegible] movement. p. 7.
Gabunila, V. - Bloodcurdling crimes of the imperialists. 45th anniversary of the execution of [illegible] misaars. p. 13.
Lebedinets, I. - Encounters with Comm[illegible] p. 16
Shvili, V. - From the day of birth. [illegible]
Kral, Franz. - Along the way of progress [illegible] 14th anniversary of the German Democratic Republic. p. 23.
Moszinski, Jerzy. - Work with people [illegible] tion of success p. 26.
Let us reduce production costs! p. 29
Antonov, N. - The youth of an [illegible]
Glumakov, V. - At his post. p. 34.
Strekaleva, R. - A faithful friend of the [illegible] worker. p. 36.
Strashun, S., Lafer, IA. - Seeds [illegible] p. 39.
Pilazov, S. - If you find the way to the [illegible]
Pavlik, V. - In a young workers' [illegible]
Korobeinikov, V., Kozko, D. - Mechanized [illegible] brigades. p. 46.
Batkaev, R. - Workers' wages in industry [illegible] p. 49.
Pil'kevich, L. - Electronic machines in [illegible] economy. p. 53.
Riabova, N. - The activists of our club [illegible]
Answers to readers' questions. p. 57
Prishchepa, V., and others. - Letters, [illegible] comments. p. 59.
Denisov, E. - Leninist principles of [illegible]

KAZAKSTAN KOMMUNISI [COMMUNIST OF KAZAKHSTAN]. Issued by the Communist Party of Kazakhstan. Alma-Ata, vol. 43, no. 11, Nov [illegible] Kazakh]

KOMMUNIST [COMMUNIST]. Issued by the [illegible] Komitet Kommunisticheskoi partii Litvy [Central Committee of the Communist Party of Lithuania] Vilnius, vol. 40, no. 9(471), Sep. 1963.

KOMMUNIST [COMMUNIST]. Issued by the [illegible] Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party, Soviet Union]. Moscow, vol. 40, no 14, [illegible]

Table of contents translated

The Great October Revolution. p 3.
Marxism-Leninism is the backbone of the [illegible] communist movement. p. 13.
Morris, Leslie. - Philosophy of petty-bourgeois [illegible] lessness. p. 48.

Evdokimov, V. - Left-wing opportunism is the enemy of Marxism p. 51.
Korionov, V. - The duty of Communists and their historical responsibility. p. 68.
Nuriev, Z. - Development of the petrochemical industry and the practice of party organizations p. 78
Alisov, M. - Important problems concerning the production and marketing of farm produce. p. 88.
Alekseev, G. - Trade unions and industry. p. 96.
Kovalev, A. - The science of communism. p. 106.
Siforov, V., Novik, I. - Characteristics of present-day scientific knowledge. p. 114.
Israelian, V. - True face of the diplomacy of imperialism. p. 124.
New books. p. 128.

Vol. 40, no. 17, Nov. 1963.

Table of contents translated

Economic field is the most important sphere of the struggle for communism. p. 3
Marxist-Leninist program of the communist movement p. 12
Pishotin, M. - Development of democracy and the improvement of the state apparatus. p. 25
Chepiakov, V. - Imperialism of the 1960's p. 31
Bikkenin, N. - Leninist humanity of the Communists. p. 49
Mukashev, S., Smirnov, P., Cheliapov, I. - Study of the history of the CPSU and the development of Marxist-Leninist ideology. p. 59.
Barabash, IU. - On the battlefront. p. 68
Prokhorov, A. - Laser. p. 77.
Two neglected fields of sociological studies. p. 81.
Salamatov, I. - Let us equip our large-scale chemical industry with the first-class machinery. p. 87.
Smirnov, A. - Phosphatic materials are the most effective class of fertilizers. p. 93.
Kotushkin, V. - Foremen are the organizers of industrial operations and the educators of workers. p. 97
Closer to life and practice. p. 106.
There should be no repetition in the presentation of subject matter. p. 109
What textbooks we should publish. p. 111.
Seltaminov, O. - Soviet friendship with Czechoslovakia is indissoluble. p. 113.
Dorofeev, S. - Present-day paternalism. p. 119.
Vasil'ev, N. - Experiments with "people's capitalism" p. 125.
"Why do they publish such useless books?" p. 128.

KOMMUNIST BELORUSSII [COMMUNIST OF WHITE RUSSIA]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Belorussii [Central Committee of the Communist Party of White Russia]. Minsk, vol. 37, no. 9, Sep. 1963.

Table of contents translated:

Let us extend and develop the study of Marxism-Leninism in every possible way. p. 3.
A remarkable decade. p. 9.
The name of our great leader is immortal. p. 14.
Nesterovich, V. - Shock force of the ideological front. p. 19.
Martovitskii, V. - The party leads, directs, and guides us. p. 25.
Kliuev, A. - Let us build well-planned settlements. p. 33.
Pinkhasik, D. - Let us devote ourselves to the cause of the party and the idea of communism. p. 37.
Kalilets, G., Udalov, P. - Effective way to help our propagandists. p. 42.
Mitskevich, V. - Increased interest in political education. p. 46.
In the notebooks of propagandists. p. 49.
Orekhvo, N., Matsko, A. - An example of devoted service to our people. p. 53.
Gurinovich, A., Chernushchenko, G. - In a blind alley. p. 59.
Sinlakovich, G. - A problem of great importance. p. 65.
Skorobogatyi, V. - Half a century ago. p. 70.
Derozhkin, N., Rogozin, N. - A useful study. p. 73.
Dates, events, and people. p. 75.
A little about everything. p. 78.
Follow-up of articles published in our periodical. p. 80.

Vol. 37, no. 10, Oct. 1963.

Table of contents translated:

Under the banner of peace and friendship among nations. p. 3.
Babosov, E. - Indissoluble unity of the party and the Soviet people. p. 9.
Laschenko, I. - Our banner is socialist internationalism. p. 15.
Klishin, I. - The defense of Marxism-Leninism means its creative development. p. 22.
Our party should control the construction of large chemical plants. p. 28.
Semenikhin, G. - Mass control in practice. p. 32.
Boliavskii, P. - Knowledge should be proved by the results of its practical application. p. 39.
Dvinov, V. - Managers should be the educators of workers. p. 44.
New developments in ideological work. p. 48.
Napreev, G. - Our work is socially useful if it is honest and efficient. p. 50.
Tkachenko, V. - Eliminating the surviving traces of the social inequality of women. p. 55.
Simurov, A. - Hungary, the country of our friends. p. 60.
In the notebooks of propagandists. p. 64.
Zaleskii, A. - Documents which show their crime. p. 67.
Obukhov, B. - Problems of the development of the machinery industry. p. 71.
Dates, events, and people. p. 75.
Interesting events and useful information. p. 78.
We recommend these books to our readers. p. 79.
Follow-up of articles published in our periodical. p. 80.

KOMMUNIST MOLDAVII [COMMUNIST OF MOLDAVIA]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Moldavii [Central Committee of the Communist Party of Moldavia]. Kishinev, vol 8, no. 8, Aug. 1963.

Table of contents translated

Voronin, P. - Let us disseminate the experience and improve the work of the agencies of state and party control. p. 2.
Nechaenko, A. - We struggle for the steadfast progress of our industry. p. 11.
Galushkov, A. - Voluntary participation in work of party committees. p. 17.
Balan, G. - Sad results of an unprincipled attitude. p. 20.
Tilov, G. - Setting up standards for tractor work. p. 24.
Ponko, K. - Effective use of the natural resources of the Prut Valley. p. 29.
Kriventsev, M., Likerson, B. - Make fuller use of available materials and equipment. p. 33.
Artem'ev, E. - A way to improve our planning. p. 38
Shilintsev, N., Pomortsev, N. - Methodological advice on the subject "Scientific and religious ideology." p. 42.
Religion and churches in the service of imperialists, facts and figures. p. 58.
Kukain, M. - A permanent propaganda center p. 62.
Ul'ianov, V. - Outstanding military leader and statesman. p. 66
Makarchuk, K., Sharandak, A. - Here we see the bright lights of creative work. p. 68
Golubitskii, A. - If you give your word to your readers you should keep it. p. 72.
A proper way to help our propagandists. p. 78.
Party news p. 79.

Vol. 8, no. 10, Oct. 1963.

Table of contents translated

The backbone of organizational work. p. 2.
Lavrinchuk, G. - Efficient helpers of the party. p. 8.
Gavrilluk, V. - The socialist system is the decisive factor in the independent development of national states. p. 14.
Let us improve the guidance of the assistance groups and posts of the party control of industrial enterprises. p. 26.
Tomenko, I. - Problems of farming are their main consideration. p. 33.
Pushko, D. - Specialization of the individual branches of stockbreeding. p. 37.
Lazurievskii, G., Shamshurin, A. - Chemistry in the service of agriculture. p. 42.
Grishanov, L. - Ethical code and relations between the individual and society. p. 49.
Kaplunenko, F., Malinovskii, T. - Scientific and religious ideology. p. 60.
A review of the periodicals of our fraternal republics. p. 72.
New edition of V. I. Lenin's biography. p. 75.
Danilov, D. - A book of sketches on the Communists. p. 75.
Posters showing the achievements of the foremost farmers. p. 77.
Party news. p. 79.

KOMMUNIST UKRAINY [COMMUNIST OF THE UKRAINE]. Issued by TSentral'nyi Komitet Komunistychnoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 39, no. 9, Sep. 1963.

Table of contents translated:

Let us ensure the effectiveness and high standards of political education. p. 2.
Starushenko, G. - Against a revision of the general line of the communist movement. p. 10.
Koval', P. - Communist system is the decisive factor of social progress. p. 20.
Volovik, N., D'iachkova, N. - Social role of the mechanization and automation of Soviet industry. p. 28.
Ignatovskii, P. - Bankrupcy of the bourgeois "theories" of the stability of small-scale farming. p. 35.
IUrchuk, N. - Party guidance ensures the great achievements of Soviet literature and art. p. 43.
Chernov, A. - Our political influence should be all-embracing. p. 51.
Gurladi, N. - Our message should kindle the hearts. p. 58.
Solov'ev, K. - The whole party organization should be responsible for the behavior of each Communist. p. 64.
Kurochkin, P. - Two phases in the development of the communist socioeconomic formation. p. 71.
Viktorov, B. - How the Communists struggle for the economical and thrifty management of their industrial plant. p. 80.
Pozhivilova, N. - Economic studies on the effective use of new machinery in industrial enterprises. p. 84.
Party news. p. 88.
Tkachenko, K. - Interpretation of some problems of scientific communism in the decisions of the CPSU. p. 89.
Bachinskii, P., Shilan, K. - How the Communist Party of the Ukraine struggled for the restoration of the Ukrainian national economy. p. 91.
New books. p. 94.

Vol. 39, no. 10, Oct. 1963.

Table of contents translated

Inextinguishable light of the Great October Revolution. p. 2.
Pozniak, V. - Leninst rules of party life and the principles of party guidance p. 11.
Zlenko, A. - Soviets are the mass organizations of all Soviet people. p. 19.
Borisov, P. - Let us increase the output of the chemical industry. p. 26.
Belokolos, D. - We should strictly observe Leninist principles in training the officials of the party and the managers of industrial enterprises. p. 52.
Skudar', M. - Against the dogmatic interpretation of the dictatorship of the proletariat. p. 39.
Butenko, A. - The nature of left-wing opportunism. p. 45.
Chugunov, S. - Schools of communist labor. p. 54.
Gaevskaia, N. - We combine political training with general and technical education. p. 57.
Shumeiko, N. - Training centers on collective and state farms. p. 60.
Medianik, A. - Method of practical assignments. p. 65.
TSvelykh, P. - Economic and technical foundation of communism is the backbone of communist production relations. p. 69.
Tkachuk, V. - Hidden potentialities of the mean industry. p. 77.
Drokin, V., Kharchenko, A. - A "council of innovators." p. 81.
Semechev, V. - Let us improve the work of the Soviet press. p. 83.
Larin, G. - Agrarian reforms of the Great October Revolution. p. 87.
Kudin, V. - A book on aesthetic education. p. 90.
The world of socialism and the sphere of capitalism, facts and figures. p. 93.

KOMMUNIST UZBEKISTANA [COMMUNIST OF UZBEKISTAN]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan] Tashkent, vol. 35, no. 8, Aug. 1963.

Table of contents translated:

Let us spare no efforts in improving our ideological work. p. 3
Full and unanimous approval of the Leninist course of the Communist Party and the Soviet Government p. 14.
Lapkin, K. - A turning point in the development of Soviet agriculture p. 20
Brailov, A. - Noble duty of trade-union organizations p. 32
IUldashev, Sh. - We should have an ample number of workshops for the repair of agricultural machinery p. 41.
Rachinskii, A., Startsev, T. - Give constant attention to the reorganization of the intrafarm systems of irrigation and land reclamation. p. 48
Matykhin, V. - Managers of business enterprises should be good organizers and educators. p. 53.
Kuz'min, N., Plungian, R. - Vigorous work with agricultural personnel is the most important factor. p. 60.
Akhmedov, S. - Scientific and technical knowledge for everyone! p. 67.
Saidov, Kh. - Let us improve the work of the departments of social sciences in the institutions of higher education. p. 72.
Liakhovskii, M. - Rural Communists. p. 80.
Rakhmatov, I. - Assistance groups are the main support of the party committees which control the work of governmental agencies and industrial enterprises. p. 85.
Khanazarov, K. - An answer to the falsifiers of the history of Central Asia. p. 91.
New books and booklets. p. 96.

Vol. 35, no. 9, Sep. 1963.

Table of contents translated.

Let's give our country 3,566,000 tons of cotton. p. 3.
Give constant attention to political education! p. 14.

Khakimov, M. - The "state of all people" is a new phase in the development of the socialist state. p. 25.
Desiatchikov, B., Kallakin, P. - Let us improve the organization of industry in the Central Asian Economic Region. p. 33.
Mun'ko, N. - The gas industry as a factor in the development and distribution of the productive forces of Uzbekistan. p. 41.
TSamutali, A. - For the high effectiveness of investments on collective farms. p. 46.
Khafizov, N. - Make fuller use of the hidden potentialities of sericulture. p. 53.
Shchepotkina, V. - Our ideological work should be more efficient and militant. p. 61.
Blok, Evg. - Each party official should be a lecturer as well. p. 68.
Alecv, N. - In the right direction. p. 73
Dzhamalov, O., Blinder, I. - Formation of a single form of public property and its sources. p. 78.
Mogilevskii, V. - The first Marxist organization in Russia. p. 86.
Ferapontov, B. - The Uzbek Soviet Socialist Republic. p. 90.
New books and booklets. p. 95.

Vol 35, no. 10, Oct. 1963.
Table of contents translated
Development of the chemical industry is the problem of national importance. p. 3.
Iseev, G - A classic study of the policy of proletarian internationalism. p. 10.
Abdullaeva, R - Faithful and efficient helpers of the party p. 20.
Turakulov, IA. - For the development of biological science p. 27.
Petrov, N. - The most urgent and important problem of our time. p. 36.
Zubarev, G. - Make fuller use of potential ways to increase the productivity of labor in industrial enterprises. p. 43
Bakkov, I. - Irrigation is the most important means of the intensification of farming. p. 51.
A festival of socialist culture. p. 57.
Albek. - Literature which shows me a new world. p. 59.
IArmatov, K - We are the pupils of the skilled producers of Russian motion pictures. p. 61.
Akhmedov, R. - Our teachers and brothers. p. 62.
Karteva, B. - The marvel of Russian art. p. 64.
Abdullaev, A. - Theater of the living truth. p. 65.
Karamatov, F. - A fountain of musical culture. p. 66.
Izimbetov, T - Let us unmask the efforts of the Mohammedan clergy to find a place in our society. p. 68.
Abutalipov, Ch. - Results of the Leninist nationalities policy. p. 77.
Umetov, D. - A remarkable event in the history of the Kirghiz people. p. 83.
Sologubov, I. - Struggle for Soviet Turkestan. p. 94.

KOMMUNISTI TOCHIKISTON [COMMUNIST OF TAJIKISTAN]. Issued by the Central Committee of the Communist Party of Tajikistan, Dushanbe, vol. 28, no. 11, Nov. 1963. [In Tajik]

KUBANS'KYI KRAI [KUBAN REGION]. Toronto, vol. 12, no. 1, 1963.

MEZHDUNARODNAIA ZHIZN' [INTERNATIONAL LIFE]. Published by Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii [All-Union Society for the Dissemination of Political and Scientific Knowledge]. Moscow, vol. 10, no. 12, Dec. 1963.

Table of contents translated:

e economic

Moti, M. - Twentieth anniversary of the first treaty. p. 104
Kamynin, L. - A step toward a new policy p. 105.
Serbin, IU. - An example of good neighborly cooperation. p. 106.
Demidov, V - Metallurgy in the country of roses. p. 107.
Kozlakov, V. - "Explosive problem." p. 108.
Delnichenko, G. - An unsuccessful prelude. p. 110.
Baburov, V. - The hand of the monopolies. p. 110.
Kartsev, A. - The "ungrateful country." p. 111.
Vladimirov, A. - Clouds again ... p. 112.
Ushakov, O. - Expectations of the peoples were not gratified. p. 113.
Skorov, A. - Exchange of marionettes. p. 114.
Orekhov, F. - The Atlantic alchemists describe their disagreements. p. 116.
Tomashevskii, D. - Invariable faithfulness to Lenin's principles. p. 124.
Bzaev, K. - The economic "miracle" faded. p. 127.
Khanga, L., Meliklan, Ov. - Unity, peace, neutrality policy. p. 130.
Tarasov, V. - Decline of the era of Pan-Americanism. p. 133.
Kaliadin, A. - British business circles support the extension of trade with the U.S.S.R. p. 136.
Grigorian, D - Levelling of the economic development of Slovakia and the Czech areas of Czechoslovakia. p. 138.
Ievleva, T. - Lobbying in France. p. 139.
Alekseev, V. - Increased power of the monopolies in the German Federal Republic. p. 141.
Gerasimov, O. - Foreign military bases on the Arabian Peninsula. p. 142.
Chukanov, M. - Japan arms herself with rockets p. 143.
Consultation. p. 144.
Methodical advice. p. 149.
Index of articles and materials published in this periodical in 1963. p. 152.

MOLODOI KOMMUNIST [THE YOUNG COMMUNIST]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 10, Oct. 1963.

Table of contents translated:
Kamshalov, A. - Happy birthday! p 3.
Perventsev, Arkadii. - Bread. p. 9.
Dunenkov, M. - Authority of the headquarters. p. 14.
Butenko, A. - Marxism against opportunism. p. 11.
Verchenko, IU., Gusev, G. - Grades of maturity. p. 26.
Apresian, Z. - Who needs such happiness? p. 31.
Palant, M. - A 20-year-old army commander. p. 36.
Bykov, V. - Times are shaking hands. p. 39.
Skiba, I. - Characteristics of the new committees. p. 43.
Vol'fkovich, S., Bitenkin, D. - Chemistry and crops. p. 47.
Volodin, G. - The country of the lines of electric power transmission. p. 54.
Chekryzhova, R. - Youth and labor. p. 60.
Pinchuk, Martia. - We know him, our fathers know him, ... p. 65.
Drofenko, A. - Man should be happy. p. 67.
Khodanov, A. - Mother, Vika and generalissimo Suvorov, a feuilleton. p. 70.
Savel'ev, S. - Boris Gorbatov's youth. p 73.
Matsuk, V. - Following a black track. p. 80.
Alekseev, IU., Somov, G. - A letter from Tomsk. p. 85.
El'iashov, Ed. - A lace handkerchief, a chisel, and some other things. p. 91.
Korneshov, L. - Change from childhood. p. 98.
Kozbaev, Manash. - Her name is remembered. p. 104.
Amiantov, IU. - A staunch Bolshevik. p. 108.
- Crown and foundation. p. 107.
to imperialists covet youth, p. 111.
rt of truth and beauty. p. 118.
Way to the heart. p. 124.

komitet, Biulleten' [Executive
Nos. 11(521), 16(526)-19(528),

IMES], Moscow, vol. 21,

its translated:

p. 3.
Munich agreement in the light

ght, p. 7.
ian solidarity and the concept

se their wits. p. 11.
ises the current problems of
conomy, p. 12.
race and the American balance

Jackson, James. - Unity of the American Negroes. p. 16.
Rovinskii, L. - Those who march backwards. p. 18.
Fernandez, Ramon. - On the eve of Venezuelan elections. p. 19.
Notes on international events p. 21.
Kochin, A - A trip to the Nimba Mountain region p. 24.
Pin, Al'bert. - The landscape of Warsaw. p. 27.
Levina, Ksenila. - On trip to Ponza Island. p 29.
Our readers discuss the position of China. p. 30.
Josef Lenart. p. 31.
Leukos Geōrgiadēs. p. 31.
George Apedo-Ama. p. 31.
Chronicle of international events p. 32.

Vol. 21, no. 41(959), Oct. 1963.
Table of contents translated:
Our commentaries. p. 1.
Readers' comments: "From darkness to light." p. 3.
Darvasi, Istvan. - The building of socialism in Hungary and western propaganda. p. 4.
Grishechkin, K. - African prospects. p. 7.
People and events Carlos Sosa Rodriguez. p. 8.
Bochkarev, IU. - Military juntas again. p. 10.
Vol'skii, D. - The plot against Guiana. p. 11.
Sovremennik. - Defenders of the personality cult. p. 13.
Berezov, N. - The English Channel and politics. p. 16.
Ovchinnikov, V. - The fate of Kuniji Murakami. p. 18.
A letter from a Japanese prison. p. 19.
Space and good will: from the pages of the foreign press. p. 20.
Ginzburg, Lev. - Gestapo ghosts. p. 21.
International notes. p. 23.
Borovskii, V. - Volcano Valley (conclusion). p. 26.
Katuntseva, N. - A trip through Morocco. p. 30.
Brief news on international events. p. 32.

Vol. 21, no. 43(961), Oct. 1963.
Table of contents translated:
Our commentaries. p. 1.
Efimov, P - Seven-league strides. p. 4.
Osipov, V. - Autumn storms in Britain. p. 5.
Vol'skii, D. - Ceylon on the way to progress. p. 8.
Radin, V. - Tunisian flag over Bizerta. p. 9.
Grigoriarts, A. - At the Bonn Olympus. p. 10.
Aizman, IU. - What Kenya wants. p. 12.
V. B. - President Tito in America. p. 14.
IU. Z. - An abortive coup d'etat; from the pages of the foreign press. p. 15.
Trofimova, I. - The crime in Belluno. p. 16.
Gutierrez, Joaquin. - Let's talk about Hungary. p. 18.
Nikolaev, P. - The mistake of President Bosch. p. 20.
V. U. - Ignominious end. p. 22.
International notes. p. 23.
People and events: Edward Frederick Mutesa II. p. 25.
Gvozdev, IU. - The land of Eldorado. p. 26.
Ludwig Erhard. p. 28.
Leont'ev, B. - History and prelude; a book review. p. 29.
Akagi, Munenori. - Elinai Henry Gerhardsen. p. 31.
Brief notes on international events. p. 32

Vol. 21, no. 44(962), Nov. 1963.
Table of contents translated
Our laboring classes. p. 1.
The program of Moscow. p. 3.
New developments in the economic cooperation of socialist countries, our commentaries. p. 4.
Chibisov, N. - Role of the Algerian Revolution. p. 5.
Zimanas, G. - We talked about war and peace. p. 7.
Shishkin, G. - American business and the Soviet Union. p. 11.
Gusarov, E. - New machinations of imperialists in the Congo. p. 13.
Our interview with Raul Prebisch on the prospects for the International Conference on Trade and Employment. p. 15.
Goncharov, V. - Stormy autumn of French workers. p. 16.
Goméz, Manuel - Political situation in Peru. p. 18.
Berezhkov, V. - What they buy with their dollars. p. 20.
Linus Pauling. p. 21.
Tulasi Giri. p. 21.
Vladin, A. - India's contacts with the world socialist market. p. 22.
Dr. Du Bois' remarkable life. p. 23.
Notes on international events. p. 24.
Krivel', A. - In the Gobi Desert. p. 26.
V. U. - Fate of Hiawatha's descendants. p. 28.
Men'shikov, S. - Class mechanism of the "New Frontier." p. 29.
Chronicle of international events. p. 32.

Vol. 21, no. 45(963), Nov. 1963.
Table of contents translated:
Highroad of the human race. p. 1.

Pokrovskii, G.I. - New achievement in the conquest of outer space p. 4.
Our commentaries p. 5.
Leonidov, A. - Secret of our diplomacy. p. 7.
Kublitskii, G - Great secrets of V.I. Lenin's creative work. p. 11
Voronov, A. - The Congress of Soviet Trade Unions. p 13
Pszczulkowski, Edmund, and others.- Thoughts suggested by the anniversary of the October Revolution. p. 16.
Notes on international events. p. 21.
Ermakov, V., Kolosov, L. - Present-day problems and trying situation of Italian workers. p. 24.
The price of blood. p 26.
Bochkarev, IU. - Magicians from the newspaper "Progrès"; against misinformation and slander p 27.
Ardatovskii, V - De Gaulle's "atomic umbrella." p 29.
Wedekind, Kurt.- Kidnappers. p. 31
Chronicle of international events. p 32

PADOMJU LATVIJAS KOMUNISTS [COMMUNIST OF SOVIET LATVIA]. Issued by Latvijas Komunistiskas partijas Centrala Komiteja [Central Committee of the Communist Party of Latvia]. Riga, vol. 19, no. 11, Nov. 1963. [In Latvian]

PARTIINAIA ZHIZN' [PARTY LIFE]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol. 6, no. 2, Feb. 1963.

Table of contents translated:
Editorial. The experience of the advanced should be shared by all. p. 3.
In the Central Committee of the CPSU and the Council of Ministers of the U.S.S.R. p. 9.
Esenbaev, Z. - The feeling of responsibility for entrusted work. p. 14.
Abdurahiev, A. - All hidden potentialities must be brought into action. p. 19.
Gizatullin, G. - Nearer to life. p. 22.
Sharipov, N. - It shines always, its shines everywhere. p. 26.
Mirzaakhmedov, P. - Perfect machines must be given to cotton growers. p. 28.
In the Central Committee of the Communist Party of Uzbekistan. p. 31.
Dick, Evg. - The vanguard of Soviet people. p. 38.
Ivanov, Andrei. - The great mission of artists and writers. p. 45.
Tokhtakhodzhaeva, I. - Soviets are an all-embracing workers' organization. p. 51.
Tatzhiev, Z. - In the new election districts. p. 56.
Babaev, B. - A trustworthy stronghold of peace. p. 58.
Model preparation of agricultural machinery for sowing. p. 63.
Salikhov, D. - Active helpers of the party organizations. p. 66.
Matvienko, M. - A group of lecturers attached to the office of the house manager. p. 69.
Davidov, Kh. - In the community center of a residential block. p. 71.
Frolov, V., Agishev, A. - Along the right path. p. 73.
Tashturdiev, A. - Do not tolerate defects. p. 78.
Gazikulov, N. - It's a great pleasure to be a builder. p. 81.
IUsupov, T. - Communists are leading. p. 83.
Aleksandrova, A. - At head of the collective. p. 84.
Khodzhaev, S. - When you like your work. p. 85.
The fruits of unscrupulousness: Follow-up on a letter. p. 86.
Vysbedskii, M. - Heroes of the airways. p. 88.
Mikhailov, IU. - In step with life. p. 91.
Berezov, M. - "Ardent word." p. 92.
Textbooks for political education. p. 93.
An aid for district soviet deputies.' p. 94.
Party news. p. 95.
Intensify the promotion of legal studies. p. 96.

POLITICHESKOE SAMOOBRAZOVANIE [POLITICAL SELF-EDUCATION]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 7, no. 7, July 1963.

Table of contents translated:
Urgent tasks of ideological party work; resolution of the Plenum of the Central Committee of the CPSU based on the report of Comrade L. F. Il'ichev, Secretary of the Central Committee of the CPSU, adopted on June 21, 1963. p. 3.
Editorial: Political education of the masses. p. 15.
Shurygin, V. - You must fight for communism. p. 23.
Popov, G. - Advance only.... p. 25.
Barkauskas, A. - Against the remnants of religion. p. 27.
Gaganova, V. - Man gets educated in the collective. p. 29.
Shaposhnikova, A. - Communist labor and mode of life. p. 30.
Verchenko, IU. - Arm in arm. p. 32.
Mamzina, K. - Teach and educate in the workshop. p. 33.
Shchukina, Z. - The distinguished role of the librarian. p. 35.
A new remarkable victory of the Soviet people. p. 36.
Bibishev, V. - Chemistry at the service of the building of socialism. p. 38.
Panfilov, E. - The role of authority in society. p. 47.
Volin, M. - Turning point in the Russian and international labor movement. p. 57.
Platkovskii, V. - A party of great accomplishments. p. 68.
Communist Party of the Soviet Union; figures, facts, documents. p. 79.
Fediunin, I. P. - The "Exhibition of the Achievements of the National Economy" as a propagandist of advanced practice. p. 84.
Rusanov, E. - What is the economic significance of the reduction of labor turnover. p. 88.
Granov, V. - Crisis of imperialist policy. p. 92.
Akhmetov, K. - Education of a creative intelligentsia. p. 120.
Vorontsov, I., Prokhorov, V. - We are working at the place of the workers' residence. p. 108.
Domin, IU. - People's bookstores. p. 110.
Svechnikov, P. - What kind of visual aids do the propagandists need. p. 115.
Eligulashvili, G. - Some remarks on the seminar. p. 119.
Shishkin, A. - Moral education and life. p. 120.
Gents, N. - A two-sided impression. p. 122.
Pecheinikova, T. - They want to become good people. p. 122.
Blinov, I. - They direct the work of the seminar. p. 124.
Bondarenko, V. - More analysis and generalization. p. 125.
Dubrovinskii, V. - Evaluate, discuss, search. p. 126.
International significance of the experience of the CPSU. p. 128.
The CPSU is the party of all the Soviet people. p. 133.
Reorganization of the party guidance of the national economy is an important means for the successful fulfillment of the program of the building of communism. p. 138.
Brief news. p. 143.

Vol. 7, no. 9, Sep. 1963.
Table of contents translated:
Snastin, V. - On the eve of the school year in the system of political education. p. 3.
The all-Union conference as a seminar for ideological workers. p. 14.
Il'in, S. - Highly productive agriculture is a substantial part of the material and technological basis of communism. p. 22.
Khoteev, A. - Important conditions for increasing labor productivity. p. 32.
Podkorytov, G. - Interrelationship between the laws of materialistic dialectics and individual sciences. p. 38.
Mikhailov, IU. - In the advance guard of the struggle for a democratic France. p. 48.
Smirnov, G. - Union of the working class and peasantry under the conditions of the all-people's state. p. 58.
Bul'ba, T. - What shortening the period of construction means for the national economy. p. 63.
Veisman, A. - What is the situation of foreign workers in the German Federal Republic. p. 66.
Editorial: Propaganda of theory is creative work. p. 70.
Bobyleva, A. - There is an increasing interest in self-education. p. 75.
Poliakov, V. - Patriotic tradition is an effective means of education. p. 78.
Kalinkin, V. - You should know and love your factory. p. 82.
Zhilin, P. - Cultural relations between cities and villages. p. 87.
Readers' letters. p. 91.
Shpakov, IU. - A man remains on duty. p. 95.
Korytkov, N. - What the practice of propaganda seminars teaches us. p. 99.
Demichev, V. - Do not repeat old mistakes. p. 101.
Panfilova, T. - Inculcating convictions. p. 102.
Molotov, D. - Passionate words must reach the masses. p. 103.
Chebunin, N. - Family and school too. p. 104.
Zarechin, S. - Determine the aim of the lessons clearly. p. 105.
Usov, O. - More on the creative aspect of the work in seminars. p. 106.
Smirnov, A. - How V. I. Lenin's work "What is to be done" should be studied. p. 107.
Klimov, A. - Problems of political economy in the social science course. p. 115.
Deviatov, V., Tarasenko, A. - The greatest of all the people of our era. p. 123.
Cheremushkin, S. - New books on the differential land rent of collective farms. p. 132.
Bibliographical aids for propagandists and students of the system of political education p 136.
"Mezhdunarodnaia zhizn'," "Istoriia S.S.S.R.," periodical reviews p. 139.
Brief news. p 143.

Vol 7, no 11, Nov 1963
Table of contents translated
Communist attitude toward public wealth p 3
Kuskov, E - A great example of internationalism p 9.
Sarkisian, G - An important tool for raising the people's standard of living p 19.
Litunov, B - The role of chemistry in raising labor productivity. p 27.
Buzdalov, I., Gabidullin, V - The system of economizing and its realization in agriculture p. 35
Davis, Benjamin - A new stage of the Negro liberation movement in the United States. p 43
Shumilin, A - Practice and experiment in social life p. 50.
Semenov, L. - What is the Marxist-Leninist attitude toward compromises p 56
Vasil'ev, A - What is the "Peace Corps " p. 61
Dmitriev, S , Smirnov, IU. - Schools of communist labor p. 66
Maliavin, P. - Economic education of agricultural activists. p 70
Borisov, B. - The collective educates p 75
Eligulashvili, G - The party organization and propagandists. p. 80
Gurvich, E , and others. - Readers' letters p 83
Temirbekova, M - A good word p 86
Chagina, E , and others - A review of readers' letters. p 90
Zakharikov, A - Study of V. I Lenin's book "One step forward, two steps backward " p. 93
Todorskii, IU. - Study of the topic "Sociopolitical structure of socialism" in a social science course p. 100.
Moiseev, N. - The language used by a propagandist p. 107.
Nemchenko, V. - Change in the character of labor and the cultural and technological growth of the workers p 115
Aleksandrov, I , Soldatenko, E. - Immortal deeds of the people p 123
Mitrofanov, V , Samsin, A , Kerov, V. - Readers about books. p 130
Propagandist's bookshelf. p 138.
Brief news. p. 142
Follow-up on our articles p 144

RUSSIA (1917- R.S.F.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]. Moscow, vol. 7, nos. 42(264)-45(267), Oct.-Nov. 1963.

RUSSIA (1923- U.S.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]. Moscow, vol. 20, nos. 47(1186)-50(1189), Nov.-Dec. 1963.

RUSSKOE DELO. RUSSIAN CAUSE. Issued by Predstavitel'stvo rossiiskikh emigrantov v Amerike [Russian Immigrants' Representative Association in America]. New York, vol. 5, no. 12(60), Dec. 1963.

S NARODOM - ZA NAROD [WITH THE PEOPLE AND FOR THE PEOPLE]. Munich, no. 2, May 1963.

VOPROSY ISTORII KPSS [PROBLEMS OF THE HISTORY OF THE COMMUNIST PARTY OF THE SOVIET UNION]. Organ of Institut marksizma-leninizma pri TsK KPSS [Institute of Marxism-Leninism, Attached to the Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 7, no. 10, *Oct. 1963.*

Table of contents translated:
Mnatsakanian, M O. - Efforts of the CPSU to extend the rights of the Union Republics, 1953-1962. p. 3.
Nikiforov, IU.N. - How the CPSU has organized the construction of petrochemical plants in the Bashkir A.S.S.R. p. 16.
Kukin, D.M. - V.I. Lenin's efforts to preserve the state monopoly of foreign trade. p. 26.
Alakhverdov, G.G. - Leninist policy of peaceful coexistence in the time of the Genoa Conference, 1922. p. 41.
Ideological struggle against American "leftists" (from "Political affairs," no. 8, 1963). p. 57.
Sibilev, N.G. - Antisocialist program of the Socialist International. p. 69.
Platkovskii, V.V. - Studying the history of the great decade. p. 81.
Tvardovskaia, V.A. - Valuable monuments of Marxist propaganda. p. 91.
Amiantov, IU.N., Ostroukhova, K.A. - Historian, journalist, and the associate of V.I. Lenin; on the centenary of M.S. Ol'minskii's birth. p. 94.
Bednov, M.D. - Outstanding statesman and the leader of the Communist Party. p. 100.

[illegible] - 40th anniversary of the struggle for the [illegible] of Central Asian workers p 103

[illegible] E - Glorious traditions p 107

[illegible] p 111

Gri[illegible] V P, Pe[illegible] M I, Slashchov, V P - Ru[illegible] M[illegible] party organization struggled for [illegible] in Turkestan, 1920-1922 p 117

Vasil'chuk, V N, Ostro, V M - A [illegible] on the history of the Communist Party of Ukr[illegible] in Ukraine p 124

Mirzoyan, A I, Pri[illegible] K M - A study on the history of the [illegible] of the CPSU p 129

Fedin, A V - Work of the Bolshevik [illegible] in the rural areas of the Central Volga Valley during the First Russian Revolution p 132

Morozov, V A - Visit of friends and associates of [illegible] to the Urals p 134

Various items p 139

Articles on the history of communist parties published in foreign languages p 141

Soviet materials on various aspects of the history of the CPSU and the [illegible] Communist and labor movement published in August 1963 in periodicals, collections, and scholarly serials p 144

Chernyshov, V V - A congress which carried out Bolshevik decisions p 150

Tikhonov, S M - Publication of studies on the history of the Great Patriotic War p 152

A conference of the editorial office of our periodical, p 156

Briefly on p 157

7. LAW

MOSCOW UNIVERSITET Vestnik Seriia 10 Pravo [UNIVERSITY Review, Series 10 Law] Vol 18, no 1, Oct.-Dec. 1963

Table of contents translated

Ostroumov, S S - Historical premises of the bourgeois theories of criminal law p 3

Udovenko, P F - Right of private property in the "Basic Principles of the Civil Law of the U S S R and the Union Republics" p 12

Cristiakov, O I - Establishing the limits of autonomous territorial units, 1920-1922 p 20

Akhmedzhanov, U M - Problem of landed property rights in the Orient p 29

Gufeld, V E - Some aspects of present-day bourgeois political life p 38

Gendzekhadze, E N - Voluntary contracts for the insurance of privately owned animals p 48

Zhalpel'shin, D L - The Soviet constitutional law course, by A I Lepeshkin, vol 1, "The Soviet constitutional law course" by A I Lepeshkin and others, vol 2 p 54

Krivchenko, V V, Gabrichidze, B N - "Soviet administrative law, general part" p 65

Mukhamedov, R Kh - A study of the Czechoslovak socialist state p 71

Professor P N Galanza's 70th birthday p 79

RADIANS'KE PRAVO [SOVIET LAW] Organ of Verkhovnyi sud URSR [Supreme Court of the Ukrainian S S R] and others Kiev, no 4, July-Aug. 1963.

Table of contents translated

Glorious date, the 60th anniversary of the Second Congress of the Russian Social Democratic Party, p. 3.

Samoshchenko, I.S. - Forms of the execution of the functions of the Soviet state, p. 10.

Tarasukhin, S., Frolov, IU. - Factors which contribute to juvenile delinquency, p. 17.

Voronova, L. - Some procedural problems of formulating and adopting the budget of the Ukrainian S.S.R. p. 22.

Liashchenko, A. - Legal aid to the executive committees of rural soviets in their notarial functions, p. 26.

Biel's'kyi, B. - Workers of the Zaporozh'ye Electric Transformers Plant strictly maintain law and order, p. 28.

Abanin, R. - A concern for all people, p. 29.

Sakhartok, H., Artemov, V. - How the dwellers of residential blocks try to prevent criminal offenses, p. 33.

Ostapenko, V. - Voluntary policemen of a collective farm, p. 35.

Metel'ov, M. - Office of a house manager and its fellow workers' court, p. 35.

Kozorizos, V. - Public assistance to the public prosecutor of a district, p. 38.

Legal advice for voluntary policemen and the members of fellow workers' courts, p. 41.

Nadhornyi, H. - Procedural role of public prosecutors during the trial of criminal cases, p. 43.

Aleksandrov, IU. - Examining the place of a theft of socialist property, p. 47.

Skyba, D., Sehal, S. - The pilferers of socialist property received their just deserts, p. 51.

Diatlov, P. - Eviction from apartments in government-owned houses those persons who have their own houses, p. 55.

Kul'chyts'kyi, O., Dontsov, P. - Reparation for loss caused by the embezzlement and theft of socialist property, p. 57.

Tkachenko, V. - Let us try to prevent the violation of traffic laws, p. 61.

Eidel'naat, K. - Preparation and examination of materials on release on parole, p. 61.

Pushkin, O., Kras'ko, I. - The types of government-owned industrial enterprises, p. 70.

Tkach, An. - Legal regulation of social security payments to collective farmers, p. 77.

Voznuk, S. - Some suggestions concerning the amendment of family law, p. 83.

Dodin, IE. - How the violation of administrative regulations affects the determination of some classes of criminal offenses, p. 85.

IAchenin, E. - Determination of the extent of personal injury in the irremediable disfiguration of an injured person's face, p. 87.

Usatiuk, S. - Soviet public helps to control the examination of workers' complaints, p. 90.

Khurkin, V. - We should change the rules which regulate the execution of notarial functions, p. 91.

Raitses, K. - How trade unions help to organize a mass movement of inventors and efficiency promoters, p. 93.

Bulis, R. - Ensuring a strict observance of Soviet laws on collective farms, p. 96.

Pedan, O. - We have counseled collective farms in legal problems and managed their lawsuits in courts, p. 97.

IAroshyns'ka, L., Hurevych, IE. - Inheritance rights of heirs by operation of law in testate succession, p. 99.

Khersons'kyi, L. - Partition of unfinished buildings, p. 100.

Shepeleva, O. - People's assessors lend their assistance, p. 102.

Novykov, O., Korets'kyi, O. - Public participation in the work of a legal aid center, p. 103.

Kolmakov, V. - First Conference of the Criminalists of European Socialist Countries, p. 105.

Pliasun, IA. - National self-determination of Algeria, p. 108.

IU. V. - In the jungle of crime, p. 116.

Decisions of the Supreme Court of the Ukrainian S.S.R. p. 118.

Decisions of arbitration agencies, p. 125.

Recent legislative enactments, p. 128.

Davydovych, O. - "Communism and philosophy" by P. N. Fedoseev, p. 131.

Monastyrs'kyi, IE. - "Procedure in the examination of labor disputes in the U.S.S.R." by V. I. Smolianchuk, p. 133.

Luts', V. - "Commercial contracts in the U.S.S.R." by V. N. Mozheiko, p. 135.

Drizhchanyi, V. - "Problems of notarial law," p. 137.

Brief news, p. 142.

Legal advice, p. 144.

Brief review of a booklet, p. 145.

Materials for a dictionary of legal terms, p. 149.

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi arbitrazh. Sbornik instruktivnykh ukazanii [State Arbitration Commission. Collection of Rules] Moscow, no. 21, 1963.

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po voprosam truda i zarabotnoi platy. Biulleten' [State Committee on Problems of Labor and Wages. Bulletin] Moscow, no. 10, 1962.

Table of contents translated

Procedure for assigning workshops, work sectors, as well as other production subdivisions of an enterprise to the managerial, engineering and technical wage group. Explanation No. 20/23, September 3, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Secretariat of the All-Union Central Council of Trade Unions. p. 3.

Supplement to the No. 2 standard list of production processes of the chemical industry in which workers, engineers and technicians are paid according to the wage schedule established for harmful and difficult, and especially harmful and difficult working conditions. Regulation No. 246/19, July 31, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Secretariat of the All-Union Central Council of Trade Unions. p. 4.

Supplement to the list and the procedure for assigning fulling and felting industry enterprises and production processes to the managerial, engineering and technical wage group. Regulation No. 255/21, August 15, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Secretariat of the All-Union Central Council of Trade Unions. p. 5.

Introduction of the amendment to the [illegible] and occupation description of workers [illegible] the maintenance of machinery [illegible] loading- and unloading work. Regulation 21, August 16, 1962 of the State [illegible] Problems of Labor and Wages of the [illegible] Ministers of the U.S.S.R. and the [illegible] the All-Union Central Council of [illegible] p. 6.

Procedure for paying the total amount [illegible] leave to the navigating crews and [illegible] of river and marine transportation [illegible] navigating crews of the fishing [illegible] the time of their dismissal. Explanation 21, August 17, 1962 of the State Committee [illegible] Problems of Labor and Wages of the [illegible] Ministers of the U.S.S.R. and the Secretariat [illegible] the All-Union Central Council of Trade [illegible] p. 7

Supplement to the "Adoption of the regulations form wages for divers" No. [illegible] of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Secretariat of the All-Union Central Council of Trade Unions. Regulation No. [illegible] September 3, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Secretariat of the All-Union Central Council of Trade Unions. p. 8

Calculating the average earnings of workers [illegible] ceived bonuses for technological [illegible] pay for their vacations and annual [illegible] tion No. 18/22, August 20, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Secretariat of the All-Union Central Council of Trade Unions. p. 9.

Adoption of the procedure and system for [illegible] bonuses to drivers of automobiles, [illegible] trolleycars, electrical automobiles [illegible] other automotive and urban transportation [illegible] for prolonging the use of new and [illegible] Regulation No. 249/19, July 31, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Secretariat of the All-Union Central Council of Trade Unions. p. 10.

Applying total working time for various [illegible] of workers of seasonal public dining [illegible] of the Main Administration of Public Dining of the Moscow Executive Committee [illegible] No. 263/18, July 23, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Secretariat of the All-Union Central Council of Trade Unions. p. 16.

Granting leaves to students attending [illegible] of higher learning who alternate their [illegible] work in production. Explanation No. [illegible] 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. p. 21

SOVIETSKAIA IUSTITSIIA [SOVIET JUSTICE] Ministerstvo iustitsii and Verkhovnyi sud [illegible] istry of Justice and the Supreme Court of the R.S.F.S.R.] Moscow, no. 13, July [illegible]

Table of contents translated

An appeal of the Central Committee of the [illegible] Presidium of the Supreme Soviet of the [illegible] and the Government of the Soviet Union [illegible]

Plenary session of the Central Committee [illegible] and on objectives, p. 2.

Kudriavtsev, V. - Determination of [illegible] strictly conform to the precepts of [illegible] p. 5.

Mamiofa, I. - Examination of conflicts [illegible] inventors, p. 8.

Volkov, A. - Liability of purchasers for [illegible] of contracts for the delivery and purchase [illegible] cultural produce, p. 11.

Mamonov, S. - On the job training of [illegible] p. 13.

Sheifer, S. - Dismissal of a criminal [illegible]

Faustov, N. - Public participation in the trial [illegible] cases, p. 16.

Shchedrina, A. - Responsibility for the violation [illegible] dustrial safety rules, p. 19.

Ozols, S. - A people's judge, p. 21.

Smirnov, P. - If you are guilty you must [illegible] p. 22.

Fedorov, V. - Story of an "avenger," p. 24.

Matushevskii, K. - Legal consultants and [illegible] economic profitableness, p. 24.

Rybicki, Marjan - Administration of justice [illegible] Polish People's Republic in the period [illegible] development, p. 25.

E.S. - A precedent established by American [illegible] justice, p. 27.

Lashko, V. - We should individualize the treatment [illegible] convicts, p. 26.

Decree of the Presidium of the Supreme Soviet of the R.S.F.S.R. p. 28.
Stuarts, Kh. - "Liability for work injuries" by A.A. Maldanis, N.IU. Sergeeva. p. 29.
Answering our readers' questions. p. 30.
Decisions of arbitration agencies. p. 31.
Rabkin, I. - How would you call it, Comrade Khalturin? p. 32.

No. 19, Oct. 1963.

Table of contents translated:

Let us inculcate the noble principles of legal ethics in the personnel of the Soviet judicial system. p. 1.
Matshinov, G. - Labor disputes concerning the issuing of bonuses. p. 4.
Pilugin, V. - How the mixed brigades of governmental agencies and public-service organizations inspect the administration of justice. p. 6.
Gratsianov, A., Khaskel'berg, B. - Examination of disputes concerning the partition of property in the dissolution of marriages. p. 8.
Kokorev, L. - Evaluation and verification of the testimony of injured persons. p. 10.
Popov, E. - Preventing the violation of civil laws is an important part of court work. p. 12.
Basis, S. - Defense in cases concerning the fictitious transactions which lead to the pilfering of socialist property. p. 14.
Puzinetskii, V. - Appellate and review procedure in the reversal and correction of judicial sentences. p. 17.
Kopylovskaia, M., Shabanov, R. - We should regularize the imposition of administrative fines for the violation of forestry laws. p. 19.
Let us simplify the registration and certification of documents. p. 20.
Kolosov, B. - Legal documents should be written in a proper way. p. 21.
Osokin, N. - Some shortcoming in the examination of civil law cases by the courts of the Yakut A.S.S.R. p. 22.
Savvinov, V. Real source of some shortcomings in the work of the Presidium of the Supreme Court of the Yakut A.S.S.R. p. 23.
Urlias, IU. - Judicial system of the German Democratic Republic serves the building of socialism. p. 24.
We have been informed. p. 26.
Gurkov, A. - Racist justice. p. 27.
Answering our readers' questions. p. 30.
From the practice of notarial agencies. p. 31.
Decisions of arbitration agencies. p. 32.

SOVETSKOE GOSUDARSTVO I PRAVO [SOVIET STATE AND LAW]. Organ of Institut gosudarstva i prava Akademii nauk SSSR [Institute of State and Law of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 33, no. 10, Oct. 1963.

Table of contents translated:

Developing a communist attitude toward national property. p. 3.
Belykh, A.K. - The CPSU and the development of communist self-government. p. 23.
Objectives and successive periods in the history of the state and law of all Soviet people, a review of materials received by our periodical. p. 24.
Bakhovkina, L.N. - Legal regulation of production contacts between the Soviet state and collective farms. p. 33
Dosymbekov, S. - Problems concerning the rights of the Supreme Soviets of the Union Republics in the sphere of industrial and agricultural planning; based on the materials of the Kazakh S.S.R. p. 43
Vishniakov, V.G. - Experience in reorganizing the administration of business enterprises. p. 49.
Shaballov, V.I. - Work of local soviets in the sphere of public health administration. p. 54.
Rachkov, P.A. - Doctrine of historical materialism and the theory of the state and law. p. 58.
Dozortsev, V.A. - Legal problems in defending governmental interests in the field of patents abroad. p. 68.
Wittenberg, G.B. - Some problems of criminal law relating to public participation in the struggle against crime. p. 77.
Romanov, V.A. - Legal problems relating to the normalization of the situation in West Berlin. p. 87.
Shafir, M.A. - Historical role of the dictatorship of the proletariat. p. 98.
Pallashvili, A.IA. - Some timely problems relating to expert evidence in criminal procedure. p. 109.
Mel'nikova, E.D., Petukhin, I.L. - Multipurpose expertise in Soviet criminal procedure. p. 113.
Shikanov, V.I. - Admission and evaluation of the presumable findings of expert witnesses. p. 118.
Kalashnik, IA.M. - Medical and criminalistic evaluation of intoxication. p. 120.
Gavrilov, F.P., Finkel', N.K. - New phase in the development of patent laws in the Polish People's Republic. p. 126.
IUrburgskii, IU.V. - New developments in the organization of the work of people's assessors. p. 129.
Tuzmukhamedov, R.A., Larionov, A.L. - Onset upon the principle of national self-determination. p. 132.
Khomiakov, V.A. - Governmental and legal system of the Republic of Guinea. p. 137
Lazurenko, V.D. - German humanistic philosophers on war and eternal peace. p. 142
Mikhailov, B. - A conference of the students of international law. p. 147.
Gorskii, G.F., Krasikov, IU.A. - In the Faculty of Law of Voronezh University. p. 149
Filimonova, A.A. - A theoretical conference in Karaganda on the problems of corrective labor law. p. 150.
Vasil'ev, V., Taufanov, V.V. - Conferences of our readers in Kishinev and Voronezh. p. 152
Moskalenko, G.K. - Two books on trade unions. p. 155.
Malveev, G.K. - "Legal cooperation of socialist states." p. 157
IAkimovich, IA.V. - Development of the constitutions of socialist countries. p. 160.
Sidorov, N.A. - "Parliaments of bourgeois states" by B.S. Krylov. p. 163.
Brief reviews of new books. p. 166.
New Soviet legal studies published in June and July of 1963. p. 170.

8. EDUCATION

a. GENERAL

DOSHKIL'NE VYKHOVANNIA [PRESCHOOL EDUCATION]. Organ of Ministerstvo osvity URSR [Ministry of Education of the Ukrainian S.S.R.]. Kiev, vol. 24, no. 10, Oct. 1963

Table of contents translated

Il'chenko, M. - Let's inculcate educational experience in mass practice. p. 1.
Plotkina, I. - Study and generalization of progressive experience in preschool education. p. 5.
Lavrychenko, N. - Work of a methodological study room on the study and dissemination of progressive educational practices. p. 10.
Korol'kova, A. - Pedagogical lectures as a form of the dissemination of progressive practices. p. 15.
Kas'ianova, P. - She follows the command of her heart. p. 18.
Manulis, R. - Inculcating in children a careful attitude toward things. p. 19.
Hrudynina, T. - Development of a careful attitude toward things and toys. p. 24.
Puzyk, O. - Inculcating good behavior in children. p. 29.
Antonova, V. - At the October festival. Playing with flags. p. 35.
Volkina, T. - Song of the young astronauts. p. 38.
Poznans'ka, M. - About "ours." p. 40.
Pavkhomenko, V. - In stories and in life. p. 41.
Khalmovych, P. - Work of the methods association of music teachers. p. 43.
Pubacheva'ka, E. - Republic-wide seminar of methodists. p. 47.

DOSHKOL'NOE VOSPITANIE [PRESCHOOL EDUCATION]. Issued by Ministerstvo prosveshchenila RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 36, no. 10, Oct. 1963.

Table of contents translated:

Let's train a generation worthy of the October! p. 1.
Dziuba, M. - We are working on the "Kindergarten training program." p. 4.
Naumenko, T. - Coordination helps. p. 7.
Bogdanova, M. - Common task. p. 8.
Potapov, I. - Matter of honor. p. 9.
Kondrashov, F. - One more children's institution. p. 13.
Pronina, E. - Let everybody have a childhood. p. 14.
Denisenko, G. - It is worth our concern. p. 16.
Samonina, I. - In search of improvement. p. 18.
Zelenova, T. - Drawing from nature. p. 20.
Parafeeva, S. - Sense of touch in graphic activities. p. 25.
Val'ter, A. - The present day in children's drawings. p. 32.
Shashkova, L. - Alenushka's fairy tales. p. 38.
Khelfits, S. - Why children disobey? p. 47.
Iniutin, P. - Training in self-reliance. p. 51.
Maksimova, R. - Observing birds in autumn and winter. p. 52.
Bushanskaia, N. - Change in the basic movements of children during the summer period. p. 55.
Dybovskaia, G. - "All words bear the imprint of the event." p. 59.
Finkel'shtein, R. - Let's not look for easy ways. p. 65.
Vasil'ev, M. - Arguments against the strap. p. 68.
Lifshits, B. - Generation of tomorrow. p. 70.
Gromova, T. - This can be achieved by common effort. p. 71.
Shabkhi, Z. - In a friendly and cooperative fashion. p. 73.
To a young mother. p. 74.
Garmash, I. - The screen as a window to the world of beauty. p. 76.
Porikopaeva, E. - Every family should have the periodical "Doshkol'noe vospitanie." p. 77.
Kuz'mina, O., Solov'eva, A. - Every collective farm and every brigade should have a kindergarten. p. 78.
Vasil'eva, T. - Renowned defender of her homeland. p. 82.
Shlykova, G. - Great heart. p. 83.
Okunev, I. - Superstition is identical with religion. p. 85.
Bykov, B. - Kindergartens should have gardens. p. 86.
Blagoveshchenskaia, E. - Nature and children. p. 89.
Tetiurev, V. - Stories about nature. p. 91.
Nagaitseva, N. - Toys. p. 93.
What should not be. p. 95.
Smirnov, S. - Retirement pensions. p. 97.
Grimenysheva, N. - Editor's mail. p. 99.
Vozlinskaia, V. - Whooping cough. p. 100.
Ivanov, V. - Forming a collective in the kindergartens of Hungary. p. 102.
Outstanding worker of preschool education. p. 109.
Krasnopevtseva, M. - Books of L. Voronkova about collective farms and children. p. 110.
Lukachevskaia, L. - Books of our friends. p. 112.
Mikhailova, L. - New Year's festival. p. 115.

LITERATURA PO PEDAGOGICHESKIM NAUKAM I NARODNOMU OBRAZOVANIIU [LITERATURE ON THE PEDAGOGICAL SCIENCES AND PUBLIC EDUCATION] Oct.-Dec., 1962. Issued by Gosudarstvennaia biblioteka po narodnomu obrazovaniiu [State Library of Public Education]. Moscow, no. 4, 1963.

NARODNOE OBRAZOVANIE [PUBLIC EDUCATION] Issued by Ministerstvo prosveshchenila RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 10, Oct. 1963.

Table of contents translated

Let's inculcate a feeling for beauty, in the Bureau of the Central Committee of the CPSU for the R.S.F.S.R. p. 1
Editorial. Militant tasks of the Communist Youth League in schools. p. 3.
Afanasenko, E. - Decisions of the June Plenum of the Central Committee of the CPSU and the tasks of public education offices. p. 9.
Dugarov, S. - In the past forty years. p. 20.
Rovkova, T. - Children must speak correctly. p. 26.
Good initiative and useful deeds. p. 27.
Sitenov, V. - From our practice. p. 30.
Krylov, S. - Students and children. p. 35.
Orlovskii, B. - Training of primary grade teachers. p. 39.
Lushnikov, A. - Let's teach them communism. p. 41
Demidova, M., Petrova, Z. - Let's develop creative forces and abilities of students. p. 45.
Andrushchenko, M. - Where should we look for truth? p. 48.
Itel'son, L. - Scientific basis of didactics. p. 53.
Mikhailov, S. - Tractors and motor vehicles obey them. p. 58.
Pavlova, L. - On the wide Volga.... p. 59.
Azarov, IU. - Power of public influence. p. 62.
Koval'chuk, P. - Let's train a citizen. p. 68
Saklakov, P. - When success is achieved. p. 71.
Samodelova, G. - Oral magazine "Shkol'naia iunost'." p. 74.
Rybnikov, N. - Orchestra of folk instruments in a school. p. 76.
Solov'eva, E. - Contribution of painters to children. p. 78
Bondarovskaia, P. - People are growing. p. 80.
Gusev, A. - School and community. p. 82.
Glagolev, V. - Notes of an atheist. p. 85.
Mal'kovskaia, T. - Moral education of students. p. 88.
Kasimov, G. - For rural workers. p. 93.
Gmurman, V. - From the talks about him.... p. 96.
Popov, F. - What old snapshots brought back. p. 100.
Subbotina, Z., Kuznetskaia, L., Mashtakova, K. - Pedagogical library of N.K. Krupskaia. p. 101.
Ivanov, V. - Changes in the system of education in Yugoslavia. p. 105.
Ivanova, L. - Training through work. p. 109.
Borisoglebskii, L. - "Youth and hopelessness!" p. 112.
Every teacher should be armed with it. p. 113.
Lebedeva, E. - Among the new publications of pedagogical literature. p. 113.
Nefedova, I., Poluiaktova, Z., Sorokovoi, A. - How to develop interest in knowledge. p. 117.
New books of the State Publishing House for Children's Literature. p. 120.
Livanov, A. - Club of Young Inventors. p. 121.
Read it in the periodicals. p. 123.
In the Ministry of Education of the R.S.F.S.R. p. 124.
Khodakovskii, L. - Self-education of teachers. p. 124.

Mar'icheva, T. - New bookstore. p.126.
Noteworthy dates. p.127
Budarnyi, A. - Let's overcome students' failures! Insert.

PADOMJU LATVIJAS SKOLA [THE SCHOOL IN SOVIET LATVIA] Issued by LPSR Izglitibas ministrija [Ministry of Education of the Latvian S.S.R.]. Riga, no. 11, Nov. 1963 [In Latvian]

PEDAGOGIKA I NARODNOE OBRAZOVANIE V ZARUBEZHNYKH STRANAKH, sbornik referatov [PEDAGOGY AND PUBLIC EDUCATION ABROAD, Abstracts] Issued by Institut teorii i istorii pedagogiki Akademii pedagogicheskikh nauk RSFSR [Institute of the Theory and History of Pedagogy of the Academy of Pedagogical Sciences of the R.S.F.S.R.]. Moscow, no 3, 1962.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Biulleten' [Ministry of Higher and Secondary Specialized Education Bulletin]. Moscow, no. 11, Nov. 1963.

SEMIA I SHKOLA [FAMILY AND SCHOOL]. Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.] Moscow, vol. 18, no. 10, Oct. 1963.

Table of contents translated

Zhuravleva, M. - Communist Youth League, school and family. p.1.
Levshin, A. - Education and training are indivisible! p.2.
Savchenko, Georgii. - Our Valia. p.4.
Shurygina, A. - Thinking about past experiences. p.8.
Troinova, D. - Shine, school lights! p.9.
Aleksin, Anatolii, Voronkov, Konstantin. - Who made friends in Artek. p.10.
Moskvina, L. - You can't recognize Galia.... p.11.
Gromtseva, A. - In the first grade. p.12.
Levitov, N. - Technical abilities. p.15.
Sysoev, A. - With Young Friends of Border Patrols. p.16.
Ulanov, D.P. - Punishment is not omnipotent. p.17.
Tikhomirov, Oleg. - Grandfather and grandson. p.18.
For tots. p.20.
Morozov, M. - Rehabilitation. p.22.
Our best wishes to you, dear Elena Dmitrievna! p.23.
Il'in, P. - Shepherd from Nogay steppes. p.24.
Editor's mail. p.26.
Smirnov, F. - When autumn argues with winter. p.33.
Luk'ianov, B. - Let's feel and understand beauty. p.34.
Pashennaia, V. - Life teaches us to understand beauty. p.35.
Repin, Iu. - Courage hardened in struggle. p.36.
Osipova, N. - Students go to the front lines.... p.37.
New publications of the State Publishing House for Children's Literature. p.37.
Filippova, N. - Parents' committees in Poland. p.39.
Lifshits, Lazar'. - Two successes of a great life. p.40.
Beliakova, N. - Posture. p.42.
To the wide circle of readers. p.44.
Aleksandrov, B. - Plant a tree. p.45.
Litvinova, N. - Homemade toy theater. p.46.

Vol.18, no.11, Nov. 1963.
Table of contents translated:
Revolution is the youth of an era! p.1.
Kosareva, A. - We need true cooperation. p.2.
Krasevskii, B. - ...inger comrades. p.4.
...ass. p.7.
...he Smol'nyi.
...formations
...12.
...mory. p.14.
...le. p.16.
...ation in a
yearbook.
8.
...sponsibility?
p.32.

Beliakova, N. - Posture can be corrected. p.42.
Let's talk about language. p.44.
Aleksandrov, B. - Green friends in a room. p.45
Litvinova, N. - Let's prepare for Christmas. p.46.

SHKOLA I PROIZVODSTVO [SCHOOL AND INDUSTRY]. Issued by Ministerstvo prosveshchenila RSFSR po voprosam trudovogo vospitaniia politekhnicheskogo i proizvodstvennogo obrazovaniia [Ministry of Education of the R.S.F.S.R. on Problems in Labor Training Through the System of Polytechnic and Industrial Education] Moscow, vol.7, no.10, Oct. 1963.

Table of contents translated

Soviet schools and the creation of the material and technical base of communism. p.2.
IAsko, A.M., Bachinskaia, T.A. - Development of industrial training groups in schools. p.6.
Kozlovskii, B.A. - Experimental training workshop p.10.
Novoselov, V.F. - Public methodological committee p.12.
Golovnin, IU.M. - Industrial training in Kirov Province. p.15.
Shikhov, G.I. - Work of an experimental training workshop. p.17.
Pristiazhniuk, K.F. - Industrial training in the Ukraine p.19.
Sandomirskii, I.G. - Rights and duties of a master of industrial training. p.23.
Batyshev, S.IA. - Preparation of work areas and selection of training work. p.25.
Kolovanskii, P.B., Kondrashov, V.I. - Common work of a school and a department store. p.28.
Zhuravlev, N.A., Golubovskii, I.I. - Training of sales clerks. p.30.
Kletsen, S.V. - Production administration and work training of students. p.32.
Kirsanov, I.I. - Work training and school traditions. p.34.
Gordin, A.IU. - Productive work of students in eight-year schools. p.37.
Popov, P.A., Khechoev, S.E. - Socially useful work of students. p.43.
Chistov, V.I. - Master worker. p.45.
Filippova, V.S. - Young naturalists and technicians at the exhibition of Achievements of the National Economy of the U.S.S.R. p.47.
Pchel'nikov, T.S. - Studying the history of local industry. p.51.
Ermolaeva, V.I. - Experimental work in the Western Dvina River school. p.53.
Nam, G. - Let's show initiative. p.54.
Krasnov, N., Borisov, P. - Demonstration table p.55.
Serov, I.I. - Installing a lathe for woodwork. p.56.
Riabov, B.F. - Mechanical punch. p.58.
Abelian, G.A. - Sorghum, a crop of great possibilities. p.60.
Dyman, V.K. - Feeding of poultry. p.64.
Mzhel'skii, N.I. - Teaching the technology of metals. p.69.
Rostovtsev, A.N., Solov'ev, S.A. - Laboratory work on the technology of metals and other materials. p.72.
Kriuchkov, A.F. - Let's master the safe forms of training. p.78.
Gentsler, L.I. - Teaching the fundamentals of agriculture in a pedagogical institute. p.81.
Rakhmanin, I.A. - Procedure of wage payment for industrial training. p.84.
Dolenko, N.N. - Student brigades as a school for qualified personnel. p.86.
Matisen, V. - Cooperation between a school and an institute. p.88.
Sobolev, V. - Let's equip workshops with our own hands. p.89.
Akhmedov, S. - Production training in the schools of Turkmenistan. p.90.
Rezbaev, N. - In the schools of Bashkiria. p.91.
Zapevalov, M. - Let's train the students for creative work. p.92.
Genoholin, F. - Useful advice. p.93.
Karbushev, F. - Pensioners help a school. p.93.
Belousov, A. - Training of a student brigade for work. p.94.
Rudenko, Z. - Not a method but a means. p.94.
Noteworthy dates in science and technology. p.95.

SHKOLA-INTERNAT [BOARDING SCHOOL]. Issued by Ministerstvo prosveshchenila RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 5, Sep. - Oct. 1963.

Table of contents translated:

Let the beacon lights shine brighter! p.1.
Kondratenkov, A. - We are bringing up people with deep convictions. p.4.
Ivushkina, L. - Political training of students. p.8.
Suslovskii, I. - Atheistic training of students. p.11.
Fradkin, G. - All-embracing power of training. p.14.
Panforova, L. - Together with the family. p.17.
Il'chenko, E. - Students' leisure hours. p.18.
Sevriukov, G. - Play as a means of training. p.19
Guseva, T. - How I achieve complete success. p.20.
Kondrashov, V. - It is not only a matter of method p.21.
Ioffe, L. - From the practice of a methods association. p.28.
Gurevich, G. - Following the dynamic traditions of the Communist Youth League p.29.
Shitvindt, B. - Every teacher should help the Pio... movement. p.31.
Gordin, A. - For productive work in eight-year schools with longer hours p.34.
Markov, A. - Training in the communist attitude toward work. p.37.
Galynskii, L. - Let's consolidate the school work shops. p.38.
Kostina, G. - Persistence and work p.39.
Reshetnikov, F. - Artistic taste should be trained. p.40.
Andriushkevich, V. - Theater should serve the sch...'s p.43.
Goncharov, I. - Autumn strews gold...; a school party. p.45.
Khatko, M. - Singing lesson. p.46
Beloborodova, V. - New features in singing lesso... p.48.
Kalabalina, G. - Word "teacher" has a proud sound. p.50.
Belinskaia, T. - Everything must be beautiful in a teacher. p.51.
Golitsyn, S. - Most important thing is love for children. p.53
Mikhailov, V. - This cements a group. p.55
Kosarev, A., Umanskii, L. - We are for combin... detachments. p.56.
Krylov, E. - Alarming experiment. p.57.
Odisharila, E. - I am against it. p.58.
IAshchenko, M. - Planning of educational work. p.59.
Sherapov, V. - How do you conduct breaks between classes? p.63.
Groshenkov, S. - Physical education and sports days. p.64.
Shikheev, V. - Interior decorating of classrooms p.65.
Maritsinkovskii, I. - Types of boarding schools in England. p.69.
Ruchimskaia, E. - Anti-religious books for children p.73
Fedorov, N. - Useful talk about boarding schools p.74.
Exhibition of new school furniture. p.76.

SOVET MAKTABI [SOVIET SCHOOL]. Organ of Ministerstvo prosveshchenila Uzbekskoi SSR [Ministry of Education of the Uzbek S.S.R.]. Tashkent, no.9, Sep. 1963. [In Uzbek]

SOVET MEKTEBE [SOVIET SCHOOL]. Organ of Ministerstvo prosveshchenila Tatarskoi SSR [Ministry of Education of the Tatar S.S.R.]. Kazan, no 6, June 1963. [In Tatar]

VESTNIK VYSSHEI SHKOLY [REVIEW OF SCHOOLS FOR HIGHER EDUCATION]. Organ of Ministerstvo vysshego i srednogo spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U.S.S.R.]. Moscow, vol 21, no.10, Oct. 1963.

Table of contents translated

Let's combine communist ideas with communist activities. p.3.
Let's train engineers whose eyes are turned to the future.
Artobolevskii, I.I. - Let's lay a solid foundation of scientific and technical knowledge p.6.
Grigor'ev, A.M. - The engineer must be well versed in the systems of mechanics. p.12
Margulova, T.Kh. - Methodological work is particularly important today. p.17.
Education without interruption from work is improving
Zaglubotskii, P.M. - Industry as a reliable support for general technical faculties. p.21.
Butylin, A.M. - Admission of students to institutions of higher learning should be planned. p.23.
Dononina, V.V. - Students working on graduation projects bring to light economic potentialities of factories. p.25.
Programmed instruction is on the agenda
Voskresenskii, I.I., Voskresenskaia, K.V. - Practical exercises with the use of a programmed aid. p.27.
Dolitovskii, V.A., Sotnikov, E.M. - A special subject is studied in a new way. p.29.
Logashev, V.G. - Information theory and methodology of teaching. p.31.
Lutsik, V.F. - Working on physical education with employed students. p.34.
Denisov, B.A., Diner, I.IA. - Collective research and dissertation. p.36.
Bel'gard, A.L. - Common base of research and industrial practice. p.38.

Right way to science and practice
[Ashcheritsyn, P. I. - Republic-wide survey of student research papers. p. 41
Aliushin, P. V., Pantiukhov, N. D., Svechin, IU. K. - Active assistants in research. p. 43
Conferences of institutions of higher learning
Solov'ev, A. F. - Inspired educator, pedagogical legacy of I. N. Ul'ianov. p. 46.
Skobennikova, I. M. - Electronic computers in recording, planning, and statistics. p. 50.
Komarov, I. K. - Students at construction work in virgin lands. p. 53.
Kovalev, B. V. - Results of the small-scale athletic competitions of students. p. 56.
In the Central Committee of the Trade Union of Educational Workers of Higher Schools and Scientific Institutions, the Fifth Plenum of the Central Committee on the Training of Students. p. 57.
Loviagin, A. V., Chub, A. T. - Engineers should possess a thorough knowledge of mathematics. p. 59.
Kampe-Nemm, A. A. - Teaching the course "Mathematical machines and programming." p. 62.
Kokarev, N. A. - Let's vary the forms of the coordinating of research work. p. 65.
Buzuev, V. M. - Social sciences should have an information center. p. 69.
Chkheidze, G. M. - Let's make a thorough use of consultation possibilities. p. 71.
Vdovichenko, G. G., Klevtsov, A. I. - Elective course "Philosophical problems of natural history" in technical institutions of higher learning. p. 73.
Sakhautdinov, B. M. - How to improve the instruction on plant physiology given to future agronomists. p. 79.
Efimov, A. S. - Let's use more widely the practice of educational innovators. p. 80.
Tumanov, B. V. - Laboratory work on safety in electrical systems. p. 81.
Kuleev, B. V. - On the screen are student amateur motion pictures. p. 82.
In the interests of the further development of biological science. p. 84.
Creating joint social science sections at the councils on science and technology. p. 84.
Razumov, I. M. - Economic training of engineers in the German Democratic Republic. p. 85.
Facts and figures. p. 87.
Gotlober, D. A. - Book on the history of Soviet institutions of higher learning. p. 88.
Glagolev, A. A., and others. - Textbook on the linear algebra and programming course. p. 91.
Brief notes on books. p. 93.
Konokotin, E. O. - Compiling a "Pedagogical encyclopedia." p. 96.

b. PHYSICAL EDUCATION & GAMES

FIZICHESKAIA KUL'TURA V SHKOLE [PHYSICAL EDUCATION IN SCHOOLS]. Issued by Ministerstvo prosveshchenila RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, no. 11, Nov. 1963.

FIZKUL'TURA I SPORT [PHYSICAL EDUCATION AND SPORTS]. Organ of Soiuz sportivnykh tovarystv i organizatsii URSR [Union of Sports Associations and Organizations of the Ukrainian S. S. R.]. Kiev, no. 9, Sep. 1963. [In Ukrainian]

FIZKUL'TURA I SPORT [PHYSICAL EDUCATION AND SPORTS]. Organ of TSentral'nyi Sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Union of Sports Associations and Organizations of the U. S. S. R.]. Moscow, nos. 10(784)-11(785), Oct.-Nov. 1963.

SHAKHMATNYI BIULLETEN' [CHESS BULLETIN]. Organ of Shakhmatnaia federatsiia SSSR [Chess Federation of the U. S. S. R.]. Moscow, vol. 9, no. 11, Nov. 1963.

SHAKHMATY [CHESS]. Issued by Soiuz sportivnykh obshchestv i organizatsii and Shakhmatnaia federatsiia Latviiskoi SSR [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S. S. R.]. Riga, nos. 15(87), 17(89), 20(92), 22(94), Aug.-Nov. 1963.

SHAKHMATY V SSSR [CHESS IN THE U. S. S. R.]. Organ of Shakhmatnaia federatsiia SSSR [Chess Federation of the U. S. S. R.]. Moscow, vol. 40, nos. 10-11, Oct.-Nov. 1963.

SPORT V SSSR [SPORTS IN THE U. S. S. R.]. Issued by the Periodical "Sovetskii Soiuz" ["Soviet Union"]. Moscow, nos. 6-7, 1963.

SPORTIVNAIA ZHIZN' ROSSII [SPORT LIFE IN RUSSIA]. Organ of Vserossiiskii sovet Soiuza sportivnykh obshchestv i organizatsii [All-Russian Council of the Association of Sports Societies and Organizations]. Moscow, vol. 7, no. 8, Aug. 1963.

TEORIIA I PRAKTIKA FIZICHESKOI KUL'TURY [THEORY AND PRACTICE OF PHYSICAL CULTURE]. Organ of TSentral'nyi sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U. S. S. R.]. Moscow, vol. 26, no. 1, Jan. 1963.

Table of contents translated:
For friendship among nations, for progress in sports. p. 1.
Sports of the U. S. S. R. in figures. p. 5.
Frenkin, A. A. - Bourgeois sociology on the role of sports in a society. p. 7.
Mateev, D. - Problems of longevity. p. 11.
Ivanova, M. P. - Effect of hyperventilation and breath holding on the bioelectric activity of the brain. p. 19.
Il'in, E. P. - Functional asymmetry of legs. p. 22.
Gracevskaia, N. D., Kuz'mina, V. N. - Determining special training for soccer players by the repeated load method. p. 25.
Sivkov, I. K. - Change in the lactic acid content of the blood of skaters when racing. p. 31.
Tulupov, A. D. - Execution technique and methods of training for the backward somersault starting from a forward lean and landing upright. p. 34.
Vasil'ev, A. V. - Development of social principles in the activities of the Volunteer Sports Society "Trud." p. 36.
Pasukhina, E. I. - Activities in physical education and hygiene of the Volunteer Sports Society "Kalev." p. 41.
Gzovskii, B. M. - Radio information in skiing. p. 44.
Reshetnikov, N. V. - Physical education intermission for rolling mill operators. p. 46.
Silla, R. V. - Effect of systematic physical education on the mental ability of school children. p. 49.
Afanas'ev, N. I., Bol'shev, P. E. - Unified program for physical education. p. 53.
Zatsiorskii, V. M. - Scientific publications of 1962. p. 57.
Korytnikov, E. P. - Efficient distribution of efforts for distance skiing. p. 60.
Klubkov, L. M., Kuz'min, N. I. - Some problems of preparing skiing tracks. p. 63.
Krasil'nikov, E. N. - Tactical problems of distance speed skating. p. 66.
Sirotkin, IU. I. - Use of boxing exercises during the training period before the fight. p. 69.
Podskotskii, B. E. - Effect of crossbar exercises on the development of the foot in young people. p. 73.
Pendiurin, S. A. - Platform with a support for the feet for rope climbing. p. 74.
Bukin, IU. V. - Review of M. F. Ivanitskii's book "Human anatomy." p. 75.
Zhdanova, A. G. - Review of P. N. Bashkirov's book "Theory of the physical development of man." p. 77.
Plenum of the Scientific and Methodological Council. p. 78.

9. MUSIC, THEATER & MOTION PICTURES

a. MOTION PICTURES

ISKUSSTVO KINO [CINEMA ART]. Organ of Ministerstvo kul'tury SSSR and Soiuz rabotnikov kinematografii SSSR [Ministry of Culture of the U. S. S. R. and of the Association of Cinematographic Workers of the U. S. S. R.]. Moscow, vol. 33, no. 7, 1963.

Table of contents translated
Path of the party, path of the people; on the 60th anniversary of the Second Congress of the Russian Social Democratic Party. p. 1.
Petrov, F. N. - V. I. Lenin on realism. p. 2.
Krigei, Evgenii. - In the language of a film. p. 3.
Pogozheva, L. - Triumphant idea. p. 8.
Andreev, Boris. - Traditions and quests. p. 11.
Segel', IAkov. - Clarity of a dream. p. 13.
Rachuk, Igor'. - Artist and architect of life. p. 16.
Salynskii, Afanasii. - Principal success of art. p. 25.
Kokoreva, I. - Drowning in the "stream of life." p. 32.
Galanov, B. - The screenplay is not at fault! p. 38.
Il'f, Il'ia, Petrov, Evgenii. - Barracks; a comedy film. p. 39.
Davydov, I. - Footstep of a man; a motion-picture sketch. p. 57.
Polianovskii, Maks. - Two-thousand unknown motion-picture stills of Malakovskii. p. 63.
Lebedev, N. - When you think about children.... p. 66.
Goldovskaia, M. - Method for the sake of a method. p. 71.
TSarev, A. - First still. p. 72.
IAkovlev, A. - Something really creative. p. 73.
Mints, Klimentii. - Major key. p. 74.
Ibragimov, Azhdar. - Meeting in Sontay. p. 82.
Donskoi, Mark. - Word about a friend. p. 86.
Visiting Andrei Popov. p. 90.
Where is skill acquired? p. 93.
They propose to film. . p. 94.
Prizes awarded at Cannes. p. 95.
Mellakh, Mina. - Remarks about two artists. p. 96.
"Most political actor." p. 103
Gordanov, V. - Side by side with Andrei Moskvin p. 105.
Bogemskii, G. - Remarks about Italian motion pictures. p. 110
Kartseva, E. - Between a roaring lion and the Statue of Liberty. p. 121.
Sukharevskaia, Lidiia. - Meeting in Ghana. p. 130.
Suarez, Martinez. - New films and new names. p. 131
Nedelin, V. - "Inherit the wind." p. 134.
Lordkipanidze, N. - "Soldier's leave." p. 138.
Fiala, Milos - "Echelon from paradise." p. 140.
First International Ten-Day Festival of Motion-Picture Criticism. p. 141
Foreign humor p. 143
In foreign magazines. p. 145
Epshtein, I. - Only facts. pp. 147, 158.
From everywhere. pp. 148, 160.
Gurin, S. - In 450 films. p. 164.
Motion-picture schedule. p. 165.

RADIANS'KA SHKOLA [SOVIET SCHOOL]. Organ of Ministerstvo osvity Ukrains'koi RSR [Ministry of Education of the Ukrainian S. S. R.]. Kiev, vol. 42, no. 10, Oct. 1963.

Table of contents translated
Editorial: Let's improve the system of study and dissemination of progressive practice. p. 3.
Boiko, M. F. - Organizing the study, generalization and inculcation of progressive pedagogical practice. p. 10.
Honcharenko, S. U. - Development of the dialectical materialistic viewpoint in physics lessons. p. 18.
Platonova, E. M. - Creative work as a training for socially useful activities. p. 24.
Hryshai, I. IA. - Let's cherish and augment our school traditions. p. 29.
Mykhailykova, IE. - With the people and for the people. p. 32.
Tytov, H. IU. - Parent committee in a school for working youth. p. 35.
Pasichnyk, IE. A. - Following the path of Taras. p. 36.
Ovchynnykova, M. P. - Extracurricular work as an indispensable condition for the successful assimilation of a course. p. 42.
Makarenko, A. S., Naumenko, F. I. - Collective and individuality in the pedagogical system. p. 48.
Hokhlerner, M. M., Eiher, H. V. - Programming of the grammatical material in a foreign language. p. 51.
Kal'nenko, B. I., Komandyrov, A. H., Mykhailov, O. M. - Cybernetic machine for programmed instruction. p. 58.
Druz', B. H. - They became interested in the article. p. 64.
Mashbyts', IU. I., Bondarova'ka, V. M. - Main trends of programmed instruction abroad. p. 65.
Bocharova, S. P. - Development of a strong will in primary grade students during the process of work training. p. 73.
Zhavoronko, O. I., and others. - Results of the Second Congress of the Psychological Association. p. 79.
Bilash, P. K. - Subject system in primary grades is fully justified. p. 84.
Saktnovych, E. IU. - Manual training in the fourth grade with a subject system of teaching. p. 86.
Korsun, H. P., Naida, K. D., Levina, E. IU. - We are for it! p. 86.
Dubenko, H. A. - Teaching arithmetic in the fourth grade. p. 87.
Fedorienko, M. V. - Preparation and use of historic diagrams in the fourth grade. p. 90.
Chumachenko, M. M. - Comparison in the Russian language classes. p. 93.
Litians'kyi, V. V. - Let's improve the efficiency of manual training lessons. p. 97.
Didenko, L. I., Zel'dis, I. V. - Vocational training should have a technical basis. p. 100.
Bushok, H. F., Dudchenok, T. T. - Practical work on physics at a plant. p. 104.
Berezniak, IE. S. - Communists of the Ukraine in the struggle for school reorganization. p. 108.
In the Ministry of Education of the Ukrainian S. S. R. p. 110.

SOVETSKOE RADIO I TELEVIDENIE [SOVIET RADIO AND TELEVISION]. Issued by Gosudarstvennyi komitet po radioveshchaniiu i televideniiu pri Sovete Ministrov SSSR [State Committee on Radiobroadcasting and Television, Attached to the Council of Ministers of the U. S. S. R.]. Moscow, vol. 11, no. 6, June 1963.

[illegible]

[illegible] [ALL-UNION [illegible] FILMS] Issued by Vse-[illegible] [All-Union [illegible] Association] 'Sovet-[illegible], nos 2(69)-4(71), 7(74)-8(75), [illegible] 1963

SOV[ETSKII] EKRAN [THE SOVIET SCREEN] Organ of [illegible] and Soiuz rabotnikov [illegible] SSSR [Ministry of Culture of the U.S.S.R. [illegible] Motion-Picture Workers of the U.S.S.R.] [illegible], nos 20(164)-22(166), [illegible] 1963

Table of contents translated
[illegible] A. - What are [illegible] p 1
[illegible], IA[illegible] - The hour of truth [illegible] p 2
[illegible] - [illegible] everything [illegible] p 4
[illegible] - [illegible] on the air p 5
[illegible] A - [illegible] p 6
[illegible] - [illegible] p 6
[illegible] - [illegible] song p 7
[illegible] - [illegible] p 9
[illegible] - With disputed subjects p 10
[illegible], Kuzin, V - Toward a [illegible] p 11
[illegible] - [illegible] pamphlets p 12
[illegible] - [illegible] forward you will be [illegible] p 13
[illegible], A - The listener brings aid p 14
[illegible], D - On the screen is the lecturer, the test is unimportant p 16
[illegible], M - [illegible] little light p 17
[illegible], V, [illegible] - Do we speak correctly? p 19
[illegible], V - Drawings come to life on the screen p 20
Mark[illegible] - Improve the exchange of motion-picture materials p 21
[illegible] big and little p 22
Parasian, I - On the air with the writers p 24
[illegible] - [illegible] its own theater p 26
[illegible] V - Let's clear this up p 26
Dlugovskii, M - Who of us is right? p. 29.
Zubkov, G - What is "otrabotka?" p. 29.
Babenko, L. - The microphone is set up in the villages p 30
[illegible] - A [illegible] is born today p 32
[illegible] - At our microphone p 34
Heinz Adamec - Herald of progressive ideas. p 36
[illegible] - Recording of television programs p 38

TEKHNIKA KINO I TELEVIDENIIA [MOTION-PICTURE AND TELEVISION ENGINEERING] Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U S S R] Moscow, vol. 6, no. 3, Mar. 1962

Table of contents translated
Kub[illegible], P F - Television equipment of the Leningrad TV Station p 1
Zaks, A B - Adjustment of the reproduction of magnetic sound tracks without the use of a monitoring film p 12
A[illegible], M G, Khvostov, N.IA - Impulse demagnetization of the magnetic carrier p 16.
Gerasimova, O A - Methods and instruments for analyzing the frequency-contrast characteristics of photographic lenses p 22
Novakovskii, S V - Brightness, contrast and clarity of the image in the basic types of color television receivers p 33

Tolmachev, V B - Present-day systems of lighting equipment for television studios p 41.
Modestov, B N - Determining the light sensitivity of black-and-white reversal films p 49
Trofimenko, N T, Zaborovskii, B A - Notes on duping p 56.
Shor, M I - "Tekhkopir" is a rapid and convenient method for document duplication. p 60.
Gorokhov, P K - From the history of the invention of the iconoscope p 62
Novik, F S, Khazova, N V. - New state standard for motion-picture camera lenses for 16-mm. films p 67.
Sheifis, I I - New amplifier circuit for the viewfinders of television studio cameras p 70.
Anikeev, V, IAkovlev, A. - Amateur motion-picture studio in the Moscow Electric Bulb Factory p. 72.
Novik, F S., Shcheglov, M M. - Anamorphotic filming units and attachment lenses p 75.
Abstracts section p 83.
Scientific and technological news. p. 95.

Vol. 6, no. 8, Aug. 1962.

Table of contents translated
Krivosheev, M.I. - Control of the television channel by means of test lines. p.1.
Mitbreit, L.M., Sheifis, I.I. - Complete aperture compensator. p.12.
Gol'tsman, N.I., Khanukaev, D.R. - Effect of the screen curvature on the "participation effect" in panoramic motion pictures. p.21.
Klimenko, G K - Joining of the adjacent parts of the panoramic picture. p 26
Zhuravlev, V M., Kontsevich, A I. - Device for the visual observation of the polar directivity diagrams of microphones and loudspeakers. p 27
Vysotskii, M Z - Selecting the synchronization method for a nonperforated sound carrier. p.32.
Maslennikova, N.G., Kirillov, N.I. - Comparison study of the resolving power and graininess of black-and-white films processed with either conventional methods or coating with a developing solution. p.36.
Tikhonovich, S E., and others. - Use of phenidone in the film printing industry. p. 10.
Gol'din, A.A. - Allowance for irregularities in film transport in systems with continuous film movement p.47.
IUrukov, P A. - Memory characteristics of the LI-23 tube. p.52.
Bogdanov, G.M. - Synchronization systems of closed circuit television units. p.55.
Zharov, N.A. - Band spectrum dispersion light filter. p.62.
New state standard for magnetic tapes. p.65.
Kaibolotskii, S I. - Some problems of industrial esthetics in motion-picture equipment. p 67.
Belnev, IA.I. - Continuous printing of film test pieces by the lights of the standard color specifications p.69.
Beliaev, IA.I - Switcher for the blocking of the "Rodina" camera for one-shot pictures. p.69.
Beliaev, IA I - Improving the performance of the proportioning devices of developing machines. p.70.
Beliaev, IA.I - Mount for the "Lenar" variable focal length lens p 71.
Abramov, B. - Video tape recorder used in the Leningrad Television Station. p 71.
Mamusov, V I. - Timer for film sections. p.72.
Sverchinskii, M. - Basic trends in the development of the technology of Polish cinematography. p.73.
Pulat, F - Motion-picture engineering in Czechoslovakia during 1961. p 78.
Abstracts section. p 82.
Scientific and technological news. p.95

b MUSIC

MUZYKAL'NAIA ZHIZN' [MUSICAL LIFE]. Organ of Soiuz kompozitorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U.S.S.R. and the Ministry of Culture of the U.S.S.R.]. Moscow, vol 6, no 22, Nov. 1963.

c. THEATER

MOLODEZHNAIA ESTRADA [YOUNG PEOPLE'S STAGE]. Published by "Molodaia gvardiia" ["Young guard"]. Moscow, no 5(119), 1963.

SOVETSKAIA ESTRADA I TSIRK [SOVIET STAGE AND CIRCUS] Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.]. Moscow, nos. 2(71), 4(73), Aug.-Oct. 1963.

TASHKENT. TEATRAL'NO-KHUDOZHESTVENNYI INSTITUT Uchenye zapiski [THEATER AND ART INSTITUTE Studies] No 5, 1962.

Table of contents translated
Grigor'ev, M S - On revisionism in literature and art p.5
Kachanovskii, N.I - V I Lenin and some problems of aesthetics p.27
Salakhutdinov, Kh S - History of the Communist Party of Turkestan during the struggle with counter-revolutionaries in 1919 p 51.
Niiazov, P M - Society and the individual p.73
Fel'dman, IA S - Alim Khodzhaev, an etude for a monograph p.107
Fel'dman, IA.S - Production of Khamza's plays on the Russian stage p.133.
Khodzhaeva, L.A. - Nature of teaching stage dialogue in the section of musical drama p 149.
Kozhevnikov, Kh.M - Time to rehabilitate Aunt Maisara, remarks of a stage-director. p 173.
Babakhanov, A. - Battle songs by Khamza Khakimzade Niiazi p 165
Raskina, E S. - War novels by Konstantin Simonov. p.193
Grinberg, I S. - Chekhov's tale "Steppe" as appraised by Russian critics and writers. p.219
Okun', G B. - A M.Gor'kii the critic and West European literature of the 20th century. p 271.

TEATRAL'NAIA ZHIZN' [LIFE OF THE THEATER]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.] and others. Moscow, no. 23, Dec 1963.

10. FINE ARTS

a GENERAL

DEKORATIVNOE ISKUSSTVO SSSR [DECORATIVE [illegible] OF THE U.S.S.R.] Issued by Soiuz khudozhnikov SSSR [Association of Artists of the U.S.S.R.] Moscow, no. 10(71), Oct. 1963

ISKUSSTVO [ART]. Organ of Ministerstvo kul'tury [illegible] [Ministry of Culture of the U.S.S.R.] [illegible] Moscow, vol 26, no 6, 1963

Table of contents translated.
Consolidate the creative forces of Soviet [illegible] the basis of firm principles of socialist [illegible] p. 2.
Resolution of the Second All-Union Congress [illegible] ists p. 10
Administrative Board of the Union of Artists [illegible] U.S.S.R p. 18.
Plenum of the Administrative Board of the [illegible] Artists of the U.S.S.R. p. 18.
Shaposhnikov, F. - New kind of artist. p [illegible]
Ioganson, B - Time of great daring. p. [illegible]
Chekalov, A. - Is there an artistic image [illegible] art? p. 26
Shcherbakov, B - Vasilii IAkovlev p. [illegible]
Skuratov, I. - Artist of poetic talent. p [illegible]
Prokof'eva, N. - Acknowledgement of the [illegible] p. 43.
Zhukov, N. - In Italy. p. 49.
Kravchenko, K - Carl Milles. p. 56.
Gerlovina, L. - Graphic portraits by [illegible] p. 63.
Kuznetsov, B. - A Riabushkin's work on [illegible] p. 68.
Znamenskaia, N. - Frescoes of the [illegible] p. 71.
Kornilov, P - Page from the history of Soviet [illegible] arts. p. 72.
Looking over foreign periodicals... p 74
Brief notes. p. 78.

Vol. 26, no. 8, 1963.

Table of contents translated
Tomskii, N - The heroic in life is a source of [illegible] tion! p.2.
Shmidt, I. - Ekaterina Belashova. p 7.
Kuryshev, IU. - For vital art of the Soviet [illegible] p.15.
Komov, O. - Hero in the midst of life p [illegible]
Osmolovskii, IU. - Poetry of a native land [illegible]
Khachaturian, Sh. - Works by Akop Akopian [illegible]
Goncharov, I. - Fine arts group. p. 10.
Voronov, Nikita. - Artists from Halle. p. [illegible]
Matiushina, Z. - Art of Ceylon. p. 49
Guerrero, L. - Juan Castagnino. p.51.
Kozhina, E. - The painting "Freedom at the barricades" by Delacroix. p.55.
Grebeniuk, V. - The landscape painter [illegible] p.60.
Bel'skaia, T. - "School of the fine arts" and [illegible] artists. p.65.
Beda, G., Kriukov, R. - Sermon of subjecti[illegible] p.70.
Looking over foreign periodicals... p.73.
Brief notes. p.77

Vol. 26, no. 9, 1963.

Table of contents translated:
Korbel', L. - Broad perspectives. p.2.
Parsamian, R. - Sing to the beauty of our life! [illegible]
Skripkov, IA. - Moscow artists reorganize their work p.4.
Budrys, S. - Gediminas Jokubonis. p.6.
Shmarinov, D. - Lofty objectives of the Soviet [illegible] graving. p.13.
Il'ina, L. - Heroes of our times. p.24.
Gabibov, N. - At the Azerbaijani exhibition "[illegible] contemporary." p.28.
Telingater, S. - Composite photos by A.Zhit[illegible] p.36.
Urazova, L. - Artists of the "Zacheta" group. [illegible]
Bozhkov, A. - Thoughts about contemporary [illegible] garian art. p.47.
Matsa, I. - Against salon naturalism and eclecti[illegible] p.53.
IUvalova, E. - The Trebon Altar. p.59.
Kruglikova, I. - Excavations in Anapa. p.67.
Kiuru, E. - First book about Karelian art. p [illegible]
Karetnikova, I. - Interesting study. p.72.
Looking over foreign periodicals.... p.73.
Brief notes. p.78.

Vol. 26, no. 10, 1963.

Table of contents translated:
Umarov, A. - Ideological and artistic unity and national characteristics. p. 2.
Khalaminskii, IU. - Book illustration. p.8.

Nosruzova, D. - Works by P. Stosal. p. 19.
Vanslov, V. - Artists of musical Novosibirsk. p. 25.
Markushin, A. - Vladimir Bogatkin. p. 35.
Gorlov, D. - Animal artists of Moscow. p. 41.
Dreyerskiy, E. - Posters by V. Maiakovskii. p. 47.
Peterkova, Liudmila. - The Slovak Uprising of 1944 in fine arts. p. 54.
Gransberg, A. - Remarks about the art of Ghana. p. 55.
Vlasov, A.S. - Linear perspective in proportional compositions. p. 58.
Selinova, T. - Self-portrait by Ivan Argunov. p. 65.
Bashin, M. - "Art, aesthetics, life." p. 71.
Lubanov, V. - Book about V. Vasnetsov. p. 73.
Looking over foreign periodicals.... p. 74.
Brief notes. p. 77.

KHUDOZHNIK [ARTIST] Issued by Soiuz khudozhnikov RSFSR [Association of Artists of the R S F. S. R]. Moscow, nos. 1, 11, 1963.

Improve prefabricated housing construction. p. 5.
Rubanenko, B. - Major trends in industrial housing and mass public building construction. p. 7.
Khazanov, D - Modular system, unification and standard in architecture. p. 20.
Zmeul, S., Levontin, N. - Experimental construction of fully prefabricated buildings p 26.
Kolotilkin, B. - Using reserves for lowering the cost of housing construction p. 31.
On the eve of the 7th Congress of the I. U A. p. 34.
Nikolaev, I - Improve the training of architectural specialists. p. 41.
Perlin, V., Nagornskii, G - Problems of training architects in Siberia and the Urals p. 44
Lobanov, IU - Planning and development of Bulgarian Black Sea health resorts. p. 52
Tukalevskii, I - The boarding house "Dnepr." p 60.
The hotel "Abkhazia" in Tiflis. p. 63.
Restaurant on the Tiflis Reservoir. p 63
International competition for designing the Sofia terminal. p. 64

STROITEL'STVO I ARKHITEKTURA LENINGRADA [CONSTRUCTION AND ARCHITECTURE IN LENINGRAD]. Organ of Ispolnitel'nyi komitet Leningradskogo gorodskogo soveta deputatov trudiashchikhsia [Executive Committee of the Leningrad City Soviet of Workers' Deputies] and others. Leningrad, vol. 25, no. 7, *July 1963.*

Interests of the party are the interests of the people p. 1
Naumov, A I - In the Smol'nyy district p. 2.
Ass, L. E. - Greater initiative in creative pursuits. Concerning the experimental project of a microdistrict in Kuibishi. p. 7.
Platonov, G D. - Build taking into account the composition of families. p. 11.
Bol'shakov, D. I. - "Technological institute - Petrogradskaia." p 14.
Krakovich, A. A. - Instead of an estimate, an industrial calculation. p 17.
Filimonov, N V - For the industrialization of construction in villages p. 18.
Shutov, A F., Svarichevskii, N. G. - From three-dimensional elements. p. 22.
Liber, I S - Heating and ventilation in high-story houses. p. 25.
Karpinskaia, A. I., Nikanorov, P. A., Tsukerman, N. IA. - Sectional conduits for engineering systems. p 27.
Savinov, O A., Lavrinovich, E V., Braude, F. G. - For thin-walled products. p 29.
Kamenskii, V. A , Kuznetsov, A. I. - Andrei Andreevich Ol', p. 31.
Designing, erecting, and building. p. 34
In the Executive Committee of the Leningrad Soviet. p. 3 of cover.

11. LANGUAGE, LITERATURE & FOLKLORE

a. LANGUAGE

KALBOS KULTURA [SPEECH CULTURE]. Issued by Lietuvos TSR Moksli akademijos Lietuviu kalbos ir literaturos institutas [Institute of the Lithuanian Language and Literature of the Academy of Sciences of the Lithuanian S. S R.]. Vilnius, vol. 4, 1963. [In Lithuanian]

KEEL JA KIRJANDUS [LANGUAGE AND LITERATURE] Issued by Eesti NSV Teaduste Akadeemia and Eesti NSV Kirjanike Liit [Academy of Sciences of the Estonian S. S. R. and the Association of Writers of the Estonian S. S. R]. Tallinn, vol. 6, nos. 11-12, Nov. -Dec. 1963. [In Estonian]

MOSCOW. MOSKOVSKII GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT INOSTRANNYKH IAZYKOV. Uchenyi zapiski [MOSCOW STATE PEDAGOGICAL INSTITUTE OF FOREIGN LANGUAGES. Studies] Vol. 27, 1963. Voprosy germanskoi i romanskoi filologii [Problems of Germanic and Romance philology].

Vashunin, V. S. - Linguistic potentials. p. 3.
Kuspranskii, R. R. - Phonemes and their distinctive features. p. 23.
Popov, IU. B. - Syntactic theories of the 19th and beginning of the 20th century, from the history of grammatical thought in Germany. p. 44.
Andriushchenko, V. M. - Basic patterns of the simple and complex sentence, descriptive syntax of the works of T. Mintzer. p. 63.
Boev, O. D. - Communicative parts of complex sentences expressing causal relations in modern German. p. 114.
Burdina, Z. G. - Verbal combinations with the accusative case having no object in modern German. p. 157.
Kosov, V. G. - Interjections as a means of expressing the emotional and volitional functions of language, based on the German language. p. 168.
Lugovaia, A. L. - Some characteristics of the syntax of English technical literature. p. 213.
Rodova, L. N. - Structure of the complex sentence in French. p. 220.
Stepanova, A. N. - Indirect transition in modern French. p. 230.
Vlader, I. M. - Practice of classifying a word according to lexicon or style on the basis of differential features, based on the English language. p. 245.
Dzhikrevskaia, L. N. - Standards in language and style; based on the German language. p. 272.
Tarasov, E. F. - Description of functional styles, based on the German language. p. 295.

NOVAIA INOSTRANNAIA LITERATURA PO IAZYKOZNANIIU [NEW FOREIGN LITERATURE ON LINGUISTICS]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U S S R] Moscow, nos. 7-9, 1963.

NOVAIA SOVETSKAIA LITERATURA PO IAZYKOZNANIIU [NEW SOVIET LITERATURE ON LINGUISTICS]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R]. Moscow, nos. 7-9, 1963.

PREPODAVANIE AZERBAIDZHANSKOGO IAZYKA I LITERATURY, metodicheskii sbornik [TEACHING THE AZERBAIJANI LANGUAGE AND LITERATURE, Methodology]. Supplement to the Magazine "Azerbaidzhan Mektebi" Baku, no 3, 1963 [In Azerbaijani]

PSKOVSKIE GOVORY [PSKOV DIALECTS] Issued by Pskovskii gosudarstvennyi pedagogicheskii institut [Pskov State Pedagogical Institute]. Pskov, no. 1, 1962 Trudy Pervoi Pskovskoi dialektologicheskoi konferentsii 1960 goda [Papers of the First Pskov Dialectologic Conference held in 1960]

Foreward. p. 3
Zhukovskaia, Z. V. - Types of dialects to the south of Gdov. p. 5.
Gluskina, S. M. - Morphonologic studies of the sound "ch" in the Pskov dialects. p. 28.
TSareva, L. I. - "Akan'ye" and "iakan'ye" in the dialects of the southwestern part of Pskov Province. p. 58.
Gomonov, I. T. - Prepositions in the Pskov dialects. p. 77.
Nikitin, A. V. - Local toponyms such as "pod"yablon'ka" in the Pskov and Novgorod provinces. p. 96.
Geid, A. S. - Nouns with the suffixes "-ukh-a" and "-ush-a" in Russian dialects. p. 110.
Gomonova, K. A. - Pronominal adverbs indicating place, direction, and time in the Pskov dialects. p. 129.
Dmitrieva, L. K. - Meaning and genesis of participial forms; based on the modern Pskov dialects and Pskov Chronicles. p. 143.
Trubinskii, V. I. - Lexical basis of the predicate gerund in the Pskov dialects. p. 162
Bogorodskii, B. L. - On the term "sopets" or "sapets" meaning rudder or helm. p. 170.
Eremina, V. I. - Dialectologic study of flora in Pskov Province. p. 193.
Elina, V. N. - Lexicon describing the physical characteristics of man in the Pskov dialects. p. 202.
Sinitsa, A. I. - Lexicon of the dialect of Russian old timers living in the Preyl district of the Latvian S. S. R. p. 219.
Ivashko, L. A. - Remarks on phraseology; according to a card index for a Pskov regional dictionary. p. 238.
Larin, B. A. - Instructions of a Pskov regional dictionary. p. 252.
Chagisheva, V. I. - Dictionary for eastern Bryansk Province. p. 272.
Ragge, S. K. - Work on a Latvian regional dictionary. p. 281.
Fedorov, A. I. - Dialectal words in the first explanatory dictionaries of the Russian language. p. 295.
List of abbreviations. p. 310.

RUSSKII IAZYK V SHKOLE [RUSSIAN LANGUAGE IN SCHOOLS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, vol. 24, no. 5, Sep. -Oct. 1963.

Vinogradov, V. V. - Overcoming the consequences of the cult of personality in Soviet linguistics. p. 1.
Arbatskii, D. I. - Fluctuations in the number of nouns. p. 13.

Domin, IA. - Variant forms of the cases of nouns. p. 18.
Vinokur, T G. - Correct speech and stylistic selection, officialese and clichés p 23.
Rozenzon, L I - Conjunction "nevziraia na to, chto." p. 30
Napol'nova, T.V. - Training the students' interest in the study of grammar. p 33.
Zaitsev, M.V. - Connection between the Russian language classes and other subjects in a school. p. 37.
Nikitina, E I - Working on the balanced parts of a sentence in the fifth grade p. 40.
Lapteva, L.A. - Declension of participles. p. 46.
Lotarev, V.K - Purposeful review exercises. p. 49.
Voronin, M.T. - Stylistic exercises during the study of participial constructions. p. 53
Kazmin, V V , Rokhlin, A.S. - Construction of sentences according to given models as a form of exercise during the study of syntax. p 55
Tekuchev, A V - Problem of the Russian language lesson p. 59
Blinov, G.I. - Summarizing a lesson. p. 66
Panov, G.A - Games and materials on entertaining grammar. p. 71.
Literature on scheduled subjects. p. 74.
Editor's mail p. 75.
Orthography. p. 80.
Teaching of the Russian language in the institutions of higher learning. p. 102.
Ivanova, V.A. - Syntactic function of a noun related to a pronoun. p. 106.
Timofeev, K A - Place of infinitive sentences among single member sentences. p. 108.
Brief news. p. 110.
Bel'chikov, IU.A., Vomperskii, V.P - "Correctness of Russian speech"; use of dictionary and handbook p 113.
Brief notes on books. p. 119.
Consultation. p. 121.

UKRAINS'KA MOVA I LITERATURA V SHKOLI [UKRAINIAN LANGUAGE AND LITERATURE IN SCHOOLS] Issued by Ministerstvo osvity URSR [Ministry of Education of the Ukrainian S.S R.] Kiev, vol 13, no.1, Mar. 1963

Table of contents translated:

Let's train them by means of truth and beauty. p 3.
Shabliavs'kyi, IE, S. - National and international elements in literature. p. 8.
Zhylko, F. T. - Problems of Ukrainian linguistic geography p 18.
Lolevs'ka, V O - Studying "Pylypko," a story by A. Holovko, in the sixth grade. p. 25.
Dubyna, M I - Living sources of the work of Lesia Ukrainka. p. 30.
Kostenko, M. O - Studying M Stel'makh's novel "Right and wrong" in the 11th grade. p. 39.
Zhezheria, M A - System of written tests in grades 5-8. p. 48
Hryshchenko, M I. - Written tests on contemporary topics. p. 55
Shevchenko, M. T. - Independent works of students in connection with the study of antonyms and synonyms. p 59
Syinyk, M I. - Studying punctuation in grades 5-8 p 62.
Teslia, Oleksandr - Man for the people. p 66.
Zhyts'kyi, IE. I. - All depends on a teacher. p. 73.
Petrash, I. I - Efficient measures are needed p. 74.
From the editor. p. 76.
Bilets'kyi, F M. - "Typification in the literature of socialist realism" by Andrii Kostenko. p. 79
Rudenko, M. A. - "Studying Soviet Ukrainian literature in eight-year schools" by P. H. Morenets'. p. 82.
Works on linguistics and methodology of the language, short bibliography. p. 85.
Editor's mail. p 89.
Voinova, O T. - Studying grammar and expressive reading. p. 60
Tarasenko, M I - To make a wall newspaper interesting p 65.
Lytvynenko, Hryhorii. - Measure of human happiness p. 68.
Discussing Ukrainian orthography: Lyzanets', P M - Don't hurry p. 73.
Chepurnyi, H. A. - Score twice before you cut once. p. 74.
Humets'ka, L. L , Horkun, V. M - Some remarks on the discussion. p 75.
Editor's mail p. 77.
Let's cherish our language: Mykhailykova, IE. - For the variability of style! p. 80.
Pyrovarov, M. P. - "Traditions of T. H. Shevchenko in Ukrainian literature (pre-October period)" by I I Pil'huk p. 82.
Danylko, P. IU. - "Studying the works of Maksym Ryl's'kyi in schools" by V. M. Borshchevs'kyi. p 84.
Lutskevych, B. H., Savyts'ka, M. M , Mel'nyk, M I - Materials in aid to teachers for outlining Ukrainian language lessons in the 1962-1963 school year p 87.
Verbivets', M - What to read on the topic "Old Ukrainian literature " p. 92.
On the eve of the International Congress of Slavists p. 94
Hrytsan, V N. - Discussing the project of a new program in Ukrainian literature. p. 95.

b LITERATURE & FOLKLORE

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Institut literatury i iazyka Trudy [ACADEMY OF SCIENCES OF THE AZERBAIJAN S. S. R. Institute of Literature and Language Transactions]. Baku, vol. 17, 1963. IAzykovedcheskii sbornik [Philologic collection].

Table of contents translated:

Rustamov, R.A. - Archaic verbs in modern literary Azerbaijani, p. 5.
Dzhangirov, M. P. - From the history of complete sentences in literary Azerbaijani, p. 37.
Magerramova, R. Dzh. - Word formation in Sabir's satire. p. 48.
Abdullaev, A. Z. - Origin of the conjunction "ki" in Azerbaijani. p. 63.
Abdullaev, B. T. - Role of loan words in Azerbaijani synonymy. p. 75.
Adilov, M. I. - Some semantic groups of compound words formed from attributive word combinations of the first type. p. 84.
Ismailova, G. - Loan words and terms from Russian and other languages by means of the Russian which appeared in the Bolshevik press, 1903-1920. p. 94.
Ragimov, M. Sh. - Order of attributes in attributive word combinations of the first type. p. 106.
Alizade, A. Dzh. - Synonyms in the language of Kasym Bek Zakir's works. p. 113.
Shiraliev, M. Sh. - Results of a dialectologic expedition conducted by the Nizami Institute of Languages and Literature in the Kedabek and Dashkesan districts of the Azerbaijan S. S. R. p. 124.

AKADEMIIA NAUK SSSR. Izvestiia. Seriia literatury i iazyka [ACADEMY OF SCIENCES OF THE U. S. S. R. Bulletin. Series in Literature and Language] Moscow, vol 22, no. 5, Sep.-Oct. 1963.

Table of contents translated:

Urgent tasks of Soviet philology. p. 369.
Neupokoeva, I. G. - Principles for writing the history of world literature. p. 373.
Levin, V. I. - Aleksandr Blok's Poem "Twelve" as seen by the Soviet and the American scholar. p. 386.
[illegible] A. - Mladen Isaev and Soviet poetry.
, - Complex sentences without conjunc-
ssing cause and effect in Old Russian of
'th century. p. 403.
Some syntactic functions of the in-
, I. Hertzen's article "Public Li-
limir Government." p. 423.
letters written by N. F. Pavlov to
lination by these contemporaries
ages from correspondence with
,
levival of some unjustified hypothe-
Senkovskii. p. 432.
V. IUsupov's monograph "Intro-
r-Tatar epigraphy." p. 435.
st monument of Russian literature
terpreted by a contemporary Ger-
. 439.
o the centenary of the birth of A. S.
). 444.
/ edition of Pushkin's works.
omplex study of literary creation.
Academic session devoted to the history of Russian classical literature and its international ties. p. 451.
Session dedicated to the 80th anniversary of the birth of Dem'ian Bednyi. p. 453.
Joint academic session of the Department of Literature and Literature and the Department of Historical Sciences, Academy of Sciences of the U. S. S. R., devoted to the 1, 100th anniversary of Slavic writing. p. 455.
Fifteenth All-Union Pushkin Conference. p. 458.
Sergei Ivanovich Sobolevskii, an obituary. p. 462.

DNIPRO [DNIEPER]. Organ of TSentral'nyi komitet Leninskoho komunistychnoho soiuzu molodi Ukrainy [Central Committee of the All-Union Communist Youth League of the Ukraine]. Kiev, vol. 37, no. 9, Sep. 1963.

DON. Organ of Rostovskoe oblastnoe otdelenie Soiuza pisatelei RSFSR [Rostov Province Branch of the Association of Writers of the R. S. F. S. R.] Rostov-on-Don, vol. 7, no. 11, Nov. 1963.

DONBASS, literaturno-khudozhestvennyi i obshchestvenno-politicheskii al'manakh [DONETS BASIN, Literary and Sociopolitical Almanac]. Organ of Donetskoe otdelenie Soiuza pisatelei Ukrainy [Donetsk Branch of the Association of Writers of the Ukraine] Donetsk, no. 2(58), Mar.-Apr. 1962.

ENISEI, literaturno-khudozhestvennyi al'manakh [YENISEY; Literary Almanac] Organ of Krasnoiarskoe otdelenie Soiuza pisatelei RSFSR [Krasnoyarsk Branch of the Association of Writers of the R. S. F. S. R.]. Krasnoyarsk, vol. 3(36), 1962

IUNOST' [YOUTH]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U. S. S. R.] Moscow, vol. 9, no. 11, Nov. 1963.

JAUNIEJI; almanachas [YOUTH; an Almanac]. Organ of LTSR Rasytoju sajunga [Association of Writers of the Lithuanian S. S. R.]. Vilnius, vol. 11, 1963. [In Lithuanian]

LITERATURA SLAVIANSKIKH NARODOV [LITERATURE OF SLAVIC PEOPLES]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.] Moscow, no. 8, 1963.

Table of contents translated:

Kravtsov, N. I. - Socialist poetry of Bulgaria at the end of the 19th and beginning of the 20th century. p. 3.
Slakhcev, B. F. - Problems of dividing the history of literature into periods in the popular outline history of Polish literature. p. 53.
Kishkin, L. S. - Remarks on the study of Russian-Czech and Russian-Slovak literary ties. p. 70.
Zaitseva, A. A. - Jan Kollar and Russian-Czech literary ties in the first half of the 19th century. p. 77.
Doronina, R. F. - Aleksa Santic and Serbian democratic poetry at the end of the 19th and during the first two decades of the 20th century. p. 142.
Andreev, V. D. - Story of the creation of O. Kazelnov's novel "Daughter-in-law." p. 170.
Khorev, V. A. - W. Bronlowski and Soviet culture p. 177.
Shorkalmova, S. A. - For contemporaneity in poetry, remarks on the works of Miroslav Holub. p. 184.
Savitskii, V. D. - Quests and finds of our friends, remarks on contemporary Czechoslovak dramaturgy. p. 190.
Belza, I. F. - Literature and music; brief review of new works by Polish scholars. p. 210.
Smirnov, IU. I. - New recordings of Bulgarian folk songs made in the Soviet Union. p. 215.
Maiskov, G. - From the history of Latvian-Czech literary ties. p. 220.
Bogdanov, IU. V. - A book about the development of contemporary Slovak prose. p. 223.
Il'ina, G. IA. - The book "Croatian literature from 1914 to 1941" by Sima Vučetić. p. 228.
Ponomareva, N. N. - Chronicle of the life and works of Khristo Smirnenski. p. 232.
Gorskii, I. K. - New study of J. Slowacki's "Kordian." p. 233.
Prokof'eva, D. S. - Review of some of the recent works about J. I. Kraszewski. p. 237.
Porochkina, I. M. - "Early Czech literature." p. 241.
Titova, L. N. - Creative path of J. K. Tyl. p. 244.
Budagova, L. N. - New book about Nezval. p. 246.
Mal'dis, A. I. - From the history of the publishing activities of E. Orzeszkowa. p. 249.
Zlydnev, V. I. - At the Conference on Slavic Philology held in Leningrad. p. 251.
Zaitseva, A. A. - Works on foreign Slavic literatures published in the U. S. S. R. during 1961. p. 254.

LITERATURNAIA GRUZIIA [LITERARY GEORGIA]. Organ of Soiuz pisatelei Gruzii [Association of Writers of Georgia]. Tiflis, vol 7, no. 10, Oct. 1963.

LOOMING [CREATIVE WORK]. Issued by Eesti NSV Kirjanike Liit [Association of Writers of the Estonian S. S. R.]. Tallinn, no. 11, Nov. 1963. [In Estonian]

MOKSHA; literaturno-khudozhestvennaia i obshchestvenno-politicheskiai zhurnal [MOKSHA, Literary and Socio-political Almanac]. Saransk, no. 5, Sep.-Oct. 1963. [In Mordvinian]

MOLODAIA GVARDIIA; literaturno-khudozhestvennyi i obshchestvenno-politicheskii zhurnal [YOUNG GUARD; Literary and Sociopolitical Magazine]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 11, Nov. 1963.

MOSCOW. UNIVERSITET Vestnik. Serila 7: Filologiia, zhurnalistika [UNIVERSITY Review. Series 7: Philology, Journalism]. Vol. 18, no 5, Sep.-Oct. 1963.

Table of contents translated:

Prokhorov, E.P. - Journalism and its functions. p. 3.
Sharov, V.V. - Characteristics of I.I.Skvortsov-Stepanov's journalistic style. p. 19.
Smirnov, P.G. - Literary-criticism activities of M.S.Ol'minskii. p. 33.
Vomperskii, V.P. - K.A.Fedin's views on the culture of the Russian language. p. 39.
Kaidalova, A.I. - Grammatical characteristics of compound adjectives. p. 48.
Rozhnovskii, S.V. - Discussion on socialist realism in the press of the German Democratic Republic, 1945-1960. p. 59.
Orlov, IU.IA. - Influence of capital on the press in the Federal Republic of Germany. p. 72.
Zorbalas, S.D. - "Rizospastis," the central organ of the Communist Party of Greece, in the struggle against fascism and war from 1933 to 1936. p. 84.
Liubarov, P.E. - Relationship of the Third State Duma with the inquiries of the social-democratic faction regarding the persecution of "Pravda." p. 94.
Belko, K.G. - Keep in step with newspaper practices. p. 97.

NEVA. Organ of Soiuz pisatelei RSFSR and Leningradskoe otdelenie Soiuza pisatelei [Association of Writers of the R. S. F. S. R. and the Leningrad Branch of the Association of Writers]. Leningrad, no. 10, 1963.

NISTRUL [DNIESTER RIVER]. Organ of the Association of Soviet Writers of the Moldavian S. S. R. Kishinev, vol. 32, no. 11, 1963. [In Moldavian]

NOVAIA INOSTRANNAIA LITERATURA PO LITERATUROVEDENIIU [NEW FOREIGN LITERATURE ON THE STUDY OF LITERATURE]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 8-9, 1963.

NOVAIA SOVETSKAIA LITERATURA PO LITERATUROVEDENIIU [NEW SOVIET LITERATURE ON THE STUDY OF LITERATURE]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 8-9, 1963.

NOVYI MIR [THE NEW WORLD]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U. S. S. R.]. Moscow, vol. 39, no. 1, Jan. 1963.

Table of contents translated:

Lukonin, Mikhail. - Minutes of the century. p. 3.
Solzhenitsyn, A. - Two stories. p. 9.
Akhmatova, Anna. - From new verse. p. 64.
Ehrenburg, I. - People, years, life. Book 5 (to be continued). p. 67.
Volynskii, Leonid. - Through the night; on the story of a nameless grave. p. 113.
Kin, Viktor. - Lilie; from an unfinished novel about the First World War. p. 144.
Nash, Ogden. - Verse of various years. [Translated from the English by I. Komarova]. p. 153.
Zabelin, I. - Man of communism, nature, and sciences. p. 160.
Peshkin, I. - Operation "cold rolling." p. 186.
Bachelis, Tat'iana. - Stage-director Stanislavskii; on the 100th anniversary of his birth. p. 199.
Mann, IU. - Literary conventionality and time; about contemporary style. p. 218.
Biriukov, F. - "Iron stream" and its commentators, on the 100th anniversary of A.S.Serafimovich's birth. p. 236.
Grivnin, V. - Militant year. p. 245.
Starikova, E. - Farewell with youth. p. 249.
Chaikovskaia, O. - Stories of a young writer. p. 253.
Berzer, A. - From the best motives..., p. 257.
Gaevskii, V. - About Doroshevich and his feuilletons. p. 260.
Zingerman, B. - A book by a historian and critic. p. 262.
IAkovlev, A. - Population of our country. p. 267.
Lopatnikov, L. - On the road to a new science. p. 269.
Gutin, M. - This is really a feat. p. 273.
Kassil', G. - They risked their lives. p. 275.
Bel'skaia, A. - Manifesto of William Douglas. p. 278.
Brief book reviews. p. 281.
New books. p. 287.

Vol. 39, no. 2, Feb. 1963.

Table of contents translated:

Aleksandrov, V. - Manuscripts from the front. p. 3
Vorob'ev, Konstantin. - Killed near Moscow; a tale. p. 46.
Shukshin, V. - They are from Katun, stories. p. 76.
Ehrenburg, I. - People, years, life. Book 5 (to be continued). p. 107.
Gamzatov, Rasul. - New verses. [Translated from the Avaric by N. Grebnev]. p. 144.
Shchipachev, Stepan. - At night; verse. p. 149.
Voinovich, Vladimir. - Two stories. p. 150.
From verses of modern French poets. [Translated by M. Kudinov]. p. 198.
Sergeev, Vladimir. - Again in Chukchi. p. 202.
Zhukov, K. - Large buildings and great tasks, remarks on large-panel housing construction. p. 230.
Chudakova, M., Chudakov, A. - Art of the whole complex; remarks on the contemporary story. p. 239.
Anufriev, L. - Undisguised truths. p. 256.
Portnov, V. - From byliny of "those days." p. 258.
Kondratovich, A. - Two tales. p. 261.
Krasnov, P., Shevelev, V. - Books return to the formation. p. 264.
Poliakova, E. - "With a swift and fiery pen..." p. 268.
Kadishev, A. - People of a legendary epoch. p. 269.
Sharapov, IU. - A life given to the revolution. p. 272.
Chernlak, A. - Road to the wonders of technology. p. 274.
Inozemtsev, I. - Discoverers. p. 277.
Petrov, F. - Image of a great revolutionary. p. 280.
Brief book reviews. p. 282.
New books. p. 287.

OKTIABR' [OCTOBER]. Organ of Soiuz pisatelei RSFSR [Association of Writers of the R. S. F. S. R.]. Moscow, vol. 39, no. 12, Dec. 1962.

Table of contents translated

Chakovskii, Aleksandr. - Light of a distant star; a tale (conclusion). p. 3.
Al'birt, Iosif. - To Lenin's party; verse. Translated from the Yiddish by Pavel Panchenko. p. 69.
Beliaev, Mikhail. - Blacksmith; verse. p. 70.
Bykova, Elena. - Ordynka Street; a story. p. 71.
Antokol'skii, Pavel. - Newton; Myth, "I didn't know..."; verse. p. 77.
Khotimskii, Boris. - Fire department; a tale. p. 79.
Lednev, IUrii. - "Avrora"; Kaslinskiy castings; verse. p. 107.
Khelemskii, IAkov. - Pages from a new book; verse. p. 109.
Kirsanov, Semen. - Verse. p. 112.
Korolenko, V.G. - Teddy Bear is a thief, a fable. p. 115.
Henry, O. - Short dialogue about the behavior of a crowd. Translated from the English by Gr. Babenyshev. p. 117.
Sanin, Vladimir. - Scandal on the farm; a story. p. 119.
Lifshits, Vladimir. - Perhaps it will prove to be useful. p. 122.
Polotai, Nikolai. - Fox trot; a fable. p. 123.
Gubin, Andrei. - Flames and ashes. p. 124.
Trubnikova, Alla. - Crosses around necks...; report from a monastery cell. p. 132.
Shvarts, Anatolii. - Menacing element of immunity. p. 144.
Vasil'ev, Sergei. - Meetings with Fadeev. p. 151.
Gabrilovich, E. - World of thoughts and feelings. p. 157.
Palei, A. - Beauty of truth. p. 159.
Drobinskaia, M. - Poetry of the screen. p. 160.
Roshal', G. - Film holiday. p. 161.
Mordiukova, N. - My heroines. p. 161.
Antonova, T. - To fill man with enthusiasm. p. 162.
Makarova, I. - Awaiting roles. p. 163.
Dzigan, E. - Mission of the artist. p. 164.
Gladkovskaia, V. - Life is an inexhaustible source. p. 166.
Gromov, E. - Pathos of optimism. p. 166.
Radin, V. - To be carried away with the romanticism of a heroic deed. p. 169.
Parsadanov, N. - Trial by time. p. 170.
Rachuk, I. - New horizons. p. 172.
Geideko, V. - And man? p. 175.
Urban, A. - Verse and kilometers. p. 179.
Idashkin, IUrii. - Sources of a heroic deed. p. 182.
Siiaev, N. - Chernyshevskii, Antonovich, and their "self-invited chroniclers." p. 188.
Kozhevnikova, N., Sergovantsev, N. - Land of new addresses. p. 196.
Privalov, B. - Vital assertion. p. 205.
Vlasenko, A. - Poetry of a generous heart. p. 206.
Potapova, K. - Secret of originality. p. 208.
Bibliography. p. 210.
Contents of the periodical "Oktiabr'" for 1962. p. 217.

POD"EM [UPSWING] Issued by Voronezhskoe otdelenie Soiuza pisatelei RSFSR [Voronezh Branch of the Association of Writers of the R. S. F. S. R.]. Voronezh, no. 5, Sep.-Oct. 1963.

POLYMIA [FLAME] Organ of Saiuz pis'mennikau BSSR [Association of Writers of the White Russian S. S. R.]. Minsk, vol. 41, no. 10, Oct. 1963.

PRAPOR; literaturno-khudozhnii ta hromads'ko-politychnyi zhurnal [BANNER, Literary and Sociopolitical Magazine]. Issued by Spilka pys'mennykiv Ukrainy [Association of Writers of the Ukraine] Kharkov, no. 10, Oct. 1963.

PROSTOR [WIDE-OPEN SPACES]. Organ of Soiuz pisatelei Kazakhstana [Association of Writers of Kazakhstan] Alma-Ata, vol. 30, nos. 10-11, Oct.-Nov. 1963.

RADUGA [THE RAINBOW]. Organ of Pravlenie Soiuza pisatelei Ukrainy [Administration of the Association of Writers of the Ukraine]. Kiev, vol. 13, no. 11, Nov. 1963.

SHARK IULDUZI [STAR OF THE EAST]. Organ of the Association of Soviet Writers of Uzbekistan. Tashkent, vol. 31, nos. 10-11, Oct.-Nov. 1963. [In Uzbek]

SHARKI SURKH [THE RED EAST]. Organ of the Association of Writers of Tajikistan. Dushanbe, no. 9, Sep. 1963. [In Tajik]

SIBIRSKIE OGNI [SIBERIAN LIGHTS]. Organ of Soiuz pisatelei RSFSR and Novosibirskoe otdelenie Soiuza pisatelei [Association of Writers of the R. S. F. S. R. and the Novosibirsk Branch of the Association of Writers]. Novosibirsk, vol. 42, no. 10, Oct. 1963.

SOVET EDEBIIATY [SOVIET LITERATURE]. Organ of Soiuz pisatelei Tatarii [Association of Writers of Tataria]. Kazan, vol. 42, no. 10, Oct. 1963. [In Tatar]

SOVET EDEBIIATY [SOVIET LITERATURE]. Organ of Soiuz sovetskikh pisatelei TSSR [Association of Soviet Writers of the Turkmen S. S. R.]. Ashkhabad, nos. 7, 10, July, Oct. 1963. [In Turkmen]

SOVETAKAN GRAKANUTIUN [SOVIET LITERATURE]. Organ of the Association of Soviet Writers of Armenia. Erivan, no. 11, 1963. [In Armenian]

SUCHASNIST', literatura, mystetstvo, suspil'no zhyttia [OUR TIME; Literature, Art, and Social Problems]. Munich, vol. 3, no. 12(36), Dec. 1963.

URAL. Issued by Sverdlovskoe otdelenie Soiuza pisatelei RSFSR [Sverdlovsk Branch of the Association of Writers of the R. S. F. S. R.]. Sverdlovsk, vol. 6, no. 10, Oct. 1963.

VOZROZHDENIE [RENAISSANCE]. Paris, no. 143, Nov. 1963.

ZHOVTEN' [OCTOBER]. Organ of Spilka pys'mennykiv Ukrainy [Association of Writers of the Ukraine]. Lvov, vol. 13, no. 11, Nov. 1963.

ZHULDYZ [STAR]. Issued by Soiuz sovetskikh pisatelei Kazakhstana [Association of Soviet Writers of Kazakhstan]. Alma-Ata, nos. 11-12, Nov.-Dec. 1963. [In Kazakh]

ZVEZDA [THE STAR]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U. S. S. R.]. Leningrad, no. 7, July 1961.

Table of contents translated:

Kochetov, Vsevolod. - Secretary of the province committee; a novel (to be continued). p. 3.
Antonov, Ivan. - Golden ear of corn; Morning on the collective farm; Native land; verse. p. 73.

P 116-128

Chesov, Nikolai - A rose, Often do I see at day-break..., I don't have a party card, verse. p.74.
Estonia, Norma - From verse about Estonia. p.75.
Fedichev, Nikolai - Second Elagin Bridge, Chauffeurs, verse. p.77.
Gor, Gennadii - Annoying interlocutor, a science-fiction tale. p.76.
Simoflot, F. - Trial by glory. p.162.
Sorokin, A. - Rural chronicle, pages from the history of the "Rossiia" Collective Farm (to be continued) p.175.
Stolbinskii, IU - Flag officer of tankers. p.188.
Simonov, A. - University for neighbors p.189.
Arsenin, E - Eight hundred unforgettable meetings. p.190
Shtits, A - Airplane of poet Kamenskii p.191.
Levin, I - Hall a century in Smolnyy. p.192
Shcherbina, V. - The atomic age and literature, art and modern scientific thought. p.193.
Grinevskii, L - Muse in "Dunsturm" garb. p.202.
Knipfels, M. - F V Filchner's book "Through three wars" p.212
Shtemman, A. - The book "Ten thousand kilometers on bicycle" by D Dar, A El'fanov. p.213
Basalaev, I - V Shoshin's book "Nikolai Tikhonov." p.214
Bliokhin, S. - E.IA. Prilima's book "Shevchenko and Russian literature of the 19th century" p.215
Satire and humor. p.216

ZVEZDA VOSTOKA [STAR OF THE EAST] Organ of Soiuz pisatelei Uzbekistana [Association of Writers of Uzbekistan] Tashkent, vol.31, nos.10-11, Oct.-Nov. 1963

12. GEOGRAPHY & GEOLOGY

b GEOGRAPHY

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut geografii. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S S R [Institute of Geography Transactions] Tiflis, vol 11, 1960. Ekonomiko-geograficheskaia seriia, Verkhnyaia Imeretiia [Economic geography series Upper Imeretiya].

Table of contents translated

Gvelesiani, G.G. - General features of the economic geography of upper Imeretiya p.3.
Ukleba, D B - Natural conditions and resources of upper Imeretiya. p.43.
Antadze, K.D. - Upper Imeretiya, study in historical geography. p 79.
Dzhaoshvili, V.Sh. - Population and cities of upper Imeretiya. p.109.
Kakabadze, V.S. - Development and distribution of the industry of upper Imeretiya. p.151.
Devidze, N G. - Development and distribution of agriculture in upper Imeretiya. p 189.
Ukleba, D.B - Resorts and watering places of upper Imeretiya p.233.
Gumanidze, G L, Sharashidze, M.I. - Transportation, trade and inter regional relations. p.241.

Vol 15, 1961 Ekonomiko-geograficheskaia seriia Racha-Lechkhumi [Economic geography series Racha-Lechkhumi].

Table of contents translated

Nachkebia, N.V. - General features of the development and distribution of the economy of Racha-Lechkhumi. p 3.
Kobakhidze, E.D. - Natural conditions and resources of Racha-Lechkhumi. p.21
Antidze, K D. - Historicogeographical study of Racha-Lechkhumi p.53.
Dzhaoshvili, V Sh. -Population and the cities of Racha-Lechkhumi. p.81
Kakabadze, V S. - Distribution and development of Racha-Lechkhumi industry. p.117.
Devidze, N.G - Development and distribution of the agriculture of Racha-Lechkhumi. p.141.
Kvaronchkhiladze, P.I - Transportation and the intra-regional relations of Racha-Lechkhumi. p.175.
Nachkebia, N.V. - Inter regional differences of Racha-Lechkhumi. p.189.

AKADEMIIA NAUK SSSR. Institut okeanologii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Oceanography Transactions] Moscow, vol.59, 1962. Terpugovye ryby i vozmozhnosti ikh mezhokeanskoi transplantatsii [Hexagrammid fishes and possibilities for their interoceanic transplantation].

Table of contents translated:

Rutenberg, E P - Review of fishes of the family Hexagrammidae p.3.
Medveditsyna, A.V - Materials on Atka fish (Pleurogrammus monopterygius (Pallas). p.101.
Khashtorin, L.B. - Observations on greenling (Hexagrammidae, Pisces) of the Kurile Islands. p 104.
El'pina, B N - Materials on the spring Atka fish (Pleurogrammus azonus Jordan et Metz) in the southeastern part of the Tatar Strait p.110
Gorbunova, K.N. - Reproduction and development of fishes of the family Hexagrammidae. p 118.
Orlov, IU I , Polikashin, L V - Methods of collecting, transporting and completing the incubation of the eggs of the Atka fish p 183
Rass, T S - Greenling (Hexagrammidae, Pisces) and their introduction into the northern seas of the U.S.S R p 191.

Vol 71, 1963. Biologicheskie issledovaniia morei; plankton [Biological study of seas, plankton].

Table of contents translated

Bogorov, V G. - Petr Ivanovich Usachev. p 3
Semina, G.I - Phytoplankton along the 174° W longitudinal section in the central part of the Pacific Ocean Part 2 Amount of phytoplankton cells p.5.
Vinogradov, M.E., Voronina, N.M - Distribution of plankton in waters of the Pacific equatorial currents p 22
Geinrikh, A.K. - Filtering ability of copepods in boreal and tropical regions of the Pacific Ocean p 60.
Ponomareva, L A. - Availability of food organisms for fishes. p 72.
Birshtein, IA.A , Vinogradov, M.E. - Deep-sea pelagic amphipods of the Philippine Trench p.81.
Klumov, S.K - Feeding habits and helminths of whalebone whales (Mystacoceti) on the main whaling grounds of the world ocean. p.94.
Tarasevich, M N. - Materials on the feeding habits of sperm whales in the northern part of Kurile waters (Paramushir and Onekotan-Shiashkotan regions) p.195
Gudkov, V.M. - Characteristics of the pigmentation of sperm whales in the Far Eastern waters. p.207
Tarasevich, M.N - Biology of the bearded seal (Erignathus barbatus) p.223.

GEOGRAFIIA V SHKOLE [GEOGRAPHY IN SCHOOLS] Issued by Ministerstvo prosveshchenia RSFSR [Ministry of Education of the R.S.F.S R.] Moscow, vol 26, no.5, Sep.-Oct 1963

Table of contents translated.

Let's carry out the decisions of the plenum of the Central Committee of the CPSU. p.2.
Space is conquered by the brave. p.5.
Freikin, Z.G. - Irrigation farming of Central Asia and its geographical characteristics. p.7.
Zasukhin, A.A. - Geography of the foreign economic relations of the German Democratic Republic. p.16.
Gorskii, N.N. - The ocean as a reserve of natural resources. p.24.
Bogolavlenskii, G.P. - What can a geography course contribute to the aesthetic training of students. p.33.
Dvuchechenskaia, A.P. - Development of the cognitive activity and independence of students in geography classes. p.40.
Korinskaia, V.A. - *Geographical dictations as a means* of arousing the cognitive activity of students. p.43.
Kol'chenko, N.A. - On active participation of students during the geography classes in the schools for working youth. p.50.
Chuchulin, P.P. - In the school of high mastery. p.53.
Birlukov, V.V. - Drawing a step scale when surveying by eye. p.60.
Bortsov, N.P. - Pocket sundial with a concave dial plate. p.61.
Editor's mail. p.62.
Questions and answers. p.66.
Erdeli, V.G. - How to make a model of a volcano. p.67.
In the Soviet Union. p.70.
Abroad. p.73.
Brief news. p.85.
Book reviews. p.90.

MOSCOW. UNIVERSITET. Vestnik. Seriia 5. Geografiia [UNIVERSITY Review. Series 5 Geography]. Vol 18, no 5, Sep.-Oct 1963

Table of contents translated

Train the active builders of communism. p.3.
Shchukin, I.S. - On the so-called "periglacial" phenomena. p.7.
Averkiev, M.S., Riazanova, L.A. (Bilukova) - Solar radiation of the ideal atmosphere and the turbidity of the real one. p.14.
Makarov, IU.S. - Seaports of Indonesia. p.26.
Klige, R.K. - Characteristics of the *formation of the* minimum runoff of the rivers in the western part of the Northern Caucasus (*Kuban River basin*). p.32.
Leont'ev, O.K - *Shore types* and several development features of the Albanian coast. p.38.
Rozanov, A.S. - Map of the utilization *of the water* resources of Australia. p.45.
Chigir, V G - Dispersion of detrital [illegible] bergs and seafloor p.50
Spiridonov, A.I - Formation conditions [illegible] sediments on the hills and upland [illegible] glaciation area p.53
Kotenev, B.N - Geomorphology [illegible] Sea bottom p.60.
Sudakova, N G. - Diagenesis conditions [illegible] cities of loessial rocks. In the [illegible]
Saushkin, IU.G - An interesting [illegible] a geographical atlas of a collective [illegible] p.69
Zhakov, S.L - Significance of heat [illegible] in the formation of natural zones [illegible]
East, V.G - *Tables of the Ural* [illegible] p.73.
Rukhaidarov, V.L - Characteristics [illegible] runoff of small rivers in the Volga [illegible] *of Yaroslavl Province* p.77.
Artanova, A.K. - Aridity of the [illegible] continents in tropical and subtropical [illegible] p.75.
Klenov, V.I - Influence of river [illegible] preservation of terraces (small [illegible] p.78.
Obruchev, S.V. - Vladimir Afanas'evich [illegible] a geographer. p.79.

Baranskii, N.N., and others. - Professor Konstantinov's 60th birthday p.81
Komarov, N G - The present-day [illegible] plan Sea level problem. p.84
Galishina, L.I. - In the Academic Council [illegible] graphical Faculty. p.84.
Rozin, M.S. - "Historico-geographical [illegible] to the economic geography of [illegible] by I.A. Vilver. p.85.
Lymarev, V.I. - "Fundamentals of the [illegible] of sea coasts" by O.K Leont'ev [illegible]
Gvozdetskii, N.A. - A new fundamental [illegible] geology of the Caucasus. "Geological [illegible] the Caucasus" by I. E. Mikhnovskii, [illegible] p.87.

Baranskii, N.N. - "Geography and [illegible] by P.G. Kocheigin. Published in the [illegible] zapiski of the Kursk Pedagogical [illegible] Vol.16. p.88.

Vol.18, no.6, Nov.-Dec 1963

Table of contents translated

Efremov, IU K - Place of physical [illegible] other nature sciences p.3
Lukashova, I N - Zonal irrigation [illegible] for a map of the earth's landforms [illegible]
Markov, K.K. - Notes on higher [illegible] tion in France p.17
Blazhko, N I - Urban settlement [illegible] vets production-territorial complex [illegible]
Chernovalov, M.D - Physicogeographic [illegible] tion of the Stavropol Plateau in the [illegible] Kuban-Kalaussa irrigation system [illegible] p.
Aleksandrov, S M. - Abrasion [illegible] p.40
Buks, I.I. - Dynamics of the [illegible] Lena - Olenek interfluve p.
Shpolianskaia, N.A., Verkhovskaia [illegible] ence of the creek valley soil temperature [illegible] baikalia on their humidity p.
Gotovtsev, V V. - Mountain-valley winds [illegible] p.57.
Anan'ev, G.S - Permafrost relief [illegible] Transbaikalia p.63
Pshenin, G N - The regressive development [illegible] funnels, and the formation of [illegible] analysis of the vertical differentiation [illegible] slope relief p.67
Golubev, G.N. - Altitude belt influence [illegible] tion of river runoff p.72
Anuchin, V., and others. - Nikolai Vasil'evich [illegible] p.77
Morozov, N.V - Society and nature as part [illegible] single unit p.81
Saushkin, IU G. - Formation and development [illegible] "regional science" in the U.S.A. p.
Arkhangel'skii, V L. - Secular circulation [illegible] temperature in Barnaul and Novosibirsk [illegible] p.87.
Ovchinnikov, G.D - Study of the Northern [illegible] lakes. p.89.
Rakovskaia, E M - Exposition influences [illegible] ral slope complexes in the tundra-[illegible] Saylyugem Range p.90.
Karpov, N N., Mudrov, IU.V , Fedorov [illegible] - Valley occurrence conditions in the [illegible] part of central Transbaikalia p.92

Antonova, I.F. - Results of vocational [illegible] of the Geographical Faculty graduates [illegible] cow University. p.93.
Salishchev, K.A - Professor S.Radu, the [illegible] Prize laureate p.94.
Voronov, A.G. - Conference on the problem [illegible] logical mapping. p.94.
Saushkin, IU.G. - Natural resources of the [illegible] Union and their utilization and [illegible]

Sinelkin, IU G. - First Soviet textbook on biogeography p 97
Sinelkin, IU G. - Achievements of Soviet landform studies p 99
List of articles and materials published in the journal "Vestnik Moskovskogo Universiteta," geographical series, in 1963 p 100

OKEANOLOGIIA [OCEANOLOGY] Issued by Okeanograficheskaia komissiia Akademii nauk SSSR [Oceanographic Commission of the Academy of Sciences of the U S S R] Moscow, Vol 1, no 4, 1961.

Table of contents translated

Zaitsev, V.P. - Maritime fishery research from the "Perseĭ" to the "Severianin." p 369.
Muromtsev, A.M. - Development of maritime hydrometeorological research in the U.S.S.R. following Lenin's decree of March 10, 1921. p. 375
Zenkevich, L.A. - Problems involved in deep-sea research. p. 382.
Stepanov, V.N. - Annual variations of the temperature of surface waters in the world ocean and hydrological seasons. p 394.
Timofeev, V.T. - Flow of the Atlantic water and heat into the Arctic Basin p. 407.
Smetanina, N.S. - Heat content of Antarctic waters. p. 412.
Antonov, V.S. - Variations in the speed of ice drift in the Arctic Ocean p 418.
Soskin, I.M., Chernovskaia, E.N. - General characteristics of changes in the hydrological and hydrochemical conditions of the Baltic Sea during the past decade. p 426.
Volkov, P.A. - Significance of maximum bottom velocities for wave transformation in the shore zone. p. 432.
Strekalov, S.S. - Determining the analytical form of the energy spectrum of developed waves. p. 439.
Ivanenkov, V.N., Rozanov, A.G. - Hydrogen sulfide contamination of intermediate layers in the Arabian Sea and the Bay of Bengal. p. 443.
Zhukova, A.I., Fedosov, M.V. - Role of microorganisms in the upper layer of bottom sediments of a shallow sea in the transformation of organic matter. p. 450.
Udintsev, G.B. - Bottom configuration and tectonics in the Far Eastern seas and the adjacent regions of the Pacific Ocean. p 456.
Kovylin, V.M. - Results of seismic reflection work east of Africa in the region of Zanzibar Island and in the central part of the Indian Ocean. p. 466.
Shuliak, B.A. - Kinematics of the wave flux propagating over the ridged surface of the bottom p. 473.
Gelfrikh, A.K. - Seasonal phenomena in the plankton of the world ocean. Report No. 2 Seasonal phenomena in the plankton of low latitudes. p. 485.
Iesis, K.N. - Are there Pacific Littorina relicts in the White Sea? p 498.
Labzovskii, N.A. - Study of wind waves. p. 504.
Popov, B.A. - Improved technique of determining the mean wave length by the use of the shore-operated wave meter - perspectometer. p. 509.
Bortkovskii, R.S. - The technique of calculating the heat balance elements of the ocean surface. p. 512.
Tsyplukhin, V.F., Samarin, V.G., Sergeev, V.A. - Gradient measurements of pressure variations in the surface layer of the sea from a ship by the use of a wave measuring pole. p. 522
Kovyzh, V.V. - Errors of the electromagnetic current meter occurring during winds causing the drift of the ship. p. 531
Slomianko, P.I. - Use of luminescent sand in studying the work of jetties on the Polish coast of the Baltic Sea. p. 537.
Kryndin, A.N. - First cruise of the research ship "IU. M. Shokal'skiĭ" and its scientific results. p. 543.
Petelin, V.P. - Second Mediterranean oceanographic expedition of the research ship "Akademik S Vavilov." p. 549.
Stepanov, V.N. - Oceanographic work in the Rumanian People's Republic. p. 554.
Nefed'ev, V.P. - Present state of the study of Indonesian seas. p. 556.
Bushuev, A.V., Loshchilov, V.S. - "Album of ice formations in seas." p. 564.
Shpaĭcher, A.O. - "The Gulf Stream; a physical and dynamical description" [in English] by H. Stommel. p. 565.
Zenkovich, V.P., Mikhailov, V.N. - "Stability of coastal inlets" [in English] by P. Bruun, F. Gerritsen. p. 566.
Udintsev, G.E. - "The earth beneath the sea" [in English] by F.P. Shepard. p 569.
Evgenov, N.I., Kupetskiĭ, V.N. - Fiftieth work anniversary of the hydrographic expedition of the ships "Taymyr" and "Vaygach" in the Arctic Ocean (1910-1915). p. 571.

Vol. 3, no. 1, 1963

Table of contents translated

Timofeev, V.T. - Interaction of the waters of the Arctic Ocean with the waters of the Atlantic and Pacific Oceans p 569
Panov, V.V., Shpaĭkher, A.O. - Effect of the Atlantic Ocean waters on some characteristics of hydrological conditions in the Arctic Basin and adjacent seas. p. 579.
Zaĭtsevskiĭ, A.V. - Abyssal circulation of waters in the Indian Ocean p. 591.
Popov, B.G. - Surface currents in the Solomon Sea p. 599
Lavlov, IU M. - Trends and problems in studying seamounts p 606
Obukhov, L.F. - Gravitational waves on the surface of a viscous fluid with finite depth. p 619.
Zats, V.L. - Some characteristics of the roses of the storm wave energy on the southern coast of the Crimea. p 626.
Smirnov, K.M. - Ocean swell p 633
Rzhonsnitskiĭ, V.B. - Tidal power. p 638
Ovchinnikov, I.M., Plakhin, I.A. - Distribution of the Atlantic and Levantine waters in the Mediterranean Sea p 642.
Igorova, V.V., Zhelezova, V.A. - Specific density of the surface layer of the Mediterranean Sea based on observations made in the summers of 1959-1960 p 653
Popov, N.I., Orlov, V.M., Pchelin, V.A. - Strontium-90 in the waters of the Pacific Ocean p. 666
Kanaev, V.F. - Recent vertical movements on the bottom of the seas in the Far East. p. 669.
Goshchinova, I.I. - Changes in the moisture and specific gravity of the sediments of the Sea of Azov dependent on the hydrometeorological conditions and their biological significance. p 674
Volkov, P.A. - Hydraulic characteristics of shell sediments p 680.
Belaeva, T.V. - Composition and distribution of diatoms in the surface layer of the Pacific Ocean sediments p 681
Kabanova, N.I. - Materials on the ecology of Phaeocystis Pouchetii (Hariot) Lagerheim, 1893 (Chrysophyceae) p 697
Vollov, IU A. - Some problems concerning the methods of meteorological observations in the open sea. p. 706.
Simanin, V.G. - Experimental determination of the coefficients of added water mass and the submersion resistance of bodies p 714
Bogorodskiĭ, V.V. - Modern physical methods for measuring the thickness of sea ice p 720
Novikova, E.M. - Using radar for observing drift ice in the White Sea Strait. p 730.
Nikolaev, I.G., Pravotorov, I.A. - Using the hydrometeorological method for studying the dynamics of the coasts of reservoirs and seas p 739.
Zhitkovskiĭ, IU. IU. - Second Atlantic Expedition of the Academy of Sciences of the U.S.S.R. of the ships "Sergeĭ Vavilov" and "Petr Lebedev." p. 749
Ivanov, M.M. - Magnetic observations in the Pacific Ocean p 750.
Ivanov, M.M. - Conference on marine magnetic surveying p 752.
Fal'engol'ts, I.V. - Float for oceanographic research. p. 753.
Kol'man, O.V. - Survey of the Pacific Ocean by the U.S. Coast and Geodetic Survey p 754
Kol'man, O.V. - Fund of a new chain of submarine volcanoes p. 757.
Ieshevich, L.L. - Oceanographic vessels of the world p. 758.

Vol. 3, no. 5 1963

Table of contents translated

Bunkov, V.A. - Circulation of waters in the northern part of the Pacific Ocean p 761
Fedorova, Z.P. [Anikina, Z.S.] - Inflow of the Pacific Ocean water through the Bering Strait into the Chukchi Sea p 777
Popov, G.I. - Tsunami in the Pacific Ocean of May 1960 p 785
Vladimirtsev, IU A. - Intermediate layers in the ocean p 798
Ivanov, IU A. - Water masses and the distribution of oceanographic characteristics p 803
Lappo, S.S. - Deep currents in the northern part of the Atlantic Ocean p 808
Vaphiar, D.U., Shapkina, V.F. - Calculation of the elements of internal tidal waves and related periodic variations of the water temperature p 814
Bukhteev, B.G. - Determination of the length of an internal tidal wave by cinematic relations p 824
Bagrov, N.A. - Changes in the direction of wave movement caused by wind action p 829
Tsyplukhin, V.F. - Results of the instrumental study of the decay of waves with regard to ocean depth p 833
Matushevskiĭ, G.V., Strekalov, S.S. - Calculation of the two-dimensional energy spectrum based on data obtained from stereophotographic surveying of waves p 840
Tolmazin, D.M. - Wind tides in the northwestern part of the Black Sea p 848
Mikhno, M.F. - Study of the sedimentary layer in the Ionian and Tyrrhenian Seas by the seismic method p 853
Mukhina, V.V. - Biostratigraphic correlation of bottom sediments at Station No. 3809 in the equatorial zone of the Pacific Ocean p 861
Gorbunova, Z.N. - Montmorillonite minerals in the Pacific Ocean sediments p 870
Demin'eva, T.F. - Changes in the stocks of commercial fishes in the Baltic Sea under the influence of oceanographic factors p 876
Akhmadzhiev, G.V. - Materials on the changes in the Caspian Sea fauna p 886
Galkina, L.V., Podkhodova, L.E., Sheĭb, I.IA. - Kandla Bay and its inhabitants p 898
Sysoev, N.N. - Determination of the position of points of oceanographic observations p 907
Kolesnikov, A.G., and others - Deepwater autonomous turbulence meter, an instrument for recording the turbulent velocity fluctuations and the temperature of the ocean p 911
Alkalaev, S.A., Patrikeev, V.V. - Effect of luminophore and agaroid films on the hydrochemical and hydrometeorological properties of colored sands. p 921
Orlova, G.A. - Experience in the determination of the amount of sand sediments leaving along the coast p 21
Khrzanovskiĭ, G.G. - Origin of flooded sea terraces in the light of the hypothesis on the dynamics of the earth's axis rotation p 930
Solov'ev, B.S. - Brief review of the activities of the Second Indian Ocean Expedition of the Azov-Black Sea Fisheries Scientific Institute p 936
Staroborodov, P.I. - Conference on the joint studies of fauna and flora p 938
Fal'engol'ts, I.V. - Studies of the Indian Ocean p 940
Minevich, A.IA. - Study of the surface currents in the Chukchi and Bering Seas p 940
Kol'mats, O.V. - Aerial photogrammetric survey of tidal currents in the U.S.A. p 942
Fal'engol'ts, I.V. - Voyage of the icebreaker "Mga" in the Arctic waters p 943
Fal'engol'ts, I.V. - The forthcoming voyage of the hydrographic vessel "Pioneer" of the U.S. Coast and Geodetic Survey p 943
Ieshevich, L.L. - A flying oceanographic laboratory p 944
Brief news p 944
Ionin, A.S., Kaplin, P.A., Medvedev, V.S. - O.K. Leont'ev's book "Fundamentals of seashore geomorphology." p 946
Dubrovin, L.I., Sychev, K.A. - An obsolete manual p 949

PROBLEMY SEVERA [PROBLEMS OF THE NORTH] Issued by Komissiia po problemam Severa Soveta po izucheniiu proizvoditel'nykh sil Akademii nauk SSSR [Commission on the Problems of the North of the Council on the Study of Productive Forces of the Academy of Sciences of the U.S.S.R.] Moscow, no. 5, 1963. Ekonomika [Economics]

Table of contents translated

From the editors. p. 3.
Slavin, S.V. - Ways to improve the efficiency of developing the natural resources of the distant northern territories of the U.S.S.R., and research problems. p. 5.
Freidin, I.L., Monakhovich, L.S. - Several problems in developing the industry and transportation of the European part of the northern U.S.S.R. p. 19.
Gramik, G.I. - Main problems in developing the most important branches of industry in the northeastern U.S.S.R. p. 32.
Loginov, V.P. - Creating special mining machinery for the regions of the North. p. 47.
Mazurov, M.K. - Developing and distributing the mining and processing industries on the bases of Kola mineral resources. p. 56.
Monakhovich, L.S. - Interregional and intraregional economic relations of the Karelian A.S.S.R. p. 68.
Polikakov, E.A. - Methodology for selecting the optimum type of land transportation for the northeastern U.S.S.R. p. 84.
Korsak, V.K. - Means of trackless land transportation in the Far North. p. 107.
Zyrianov, G.A. - Developing productive forces in the northwestern part of British Columbia. p. 130.
Ovchinninskiĭ, N.V., Turkin, A.V. - Iron-ore base of the ferrous metallurgy of the northwestern U.S.S.R. p. 146.
Shakhtaĭ, F.V. - The Syktyvkar lumbering complex. p. 153.
Shapalin, B.F., and others. - In the Interdepartmental Committee on the Problems of the North. p. 161.

List of organizations whose representatives became members of the Interdepartmental Committee on the Problems of the North and its sections. p. 184.

REFERATIVNYI ZHURNAL' GEOGRAFIIA [JOURNAL OF ABSTRACTS GEOGRAPHY] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no. 11, Nov. 1963.

SIBIRSKII GEOGRAFICHESKII SBORNIK [SIBERIAN GEOGRAPHICAL PAPERS] Issued by Institut geografii Sibiri i Dal'nego Vostoka Sibirskogo otdeleniia Akademii nauk SSSR [Institute of Geography of Siberia and the Far East of the Siberian Department of the Academy of Sciences of the U.S.S.R.]. Moscow, no 2, 1963.

Table of contents translated:

Sochava, V. - Foreword. p.3.

Gerasimov, I. P. - Originality of the genetic types of Siberian soils. p.7.

Shilapnikov, A.A. - Practice in plotting a landform map of the Siberian portion of the Yenisey Valley. p.28.

Chekan, O.S. - Frost on the territory of Irkutsk Province. p.40.

Gotovin, V.V. - Effective summer temperatures on the territory of Amur Province. p.56.

Rakita, S.A. - Evaluating the amount and role of snow transfer on the formation of the snow cover in the northeastern U.S.S.R. p.60.

Kaftushin, V.M. - Physical geography of Bennet Island. p.69.

Bolarkin, V.M. - The Talovskoye peat bog and evaluating peat buoyancy. p.100.

Reimers, N.F. - Distribution and number of forest birds during winter in the southern part of central Siberia. p.110.

Mikhailov, IU.P. - Several problems in developing the natural resources of the Krasnoyarsk portion of the Angara Valley. p.135.

Shotskii, V.P., Grigor'eva, A.A. - Characteristics of the economic development of the southern taiga regions of Eastern Siberia. p.150.

Kazanskii, N.N. - Settlement of the middle Angara Valley in connection with the development of the region. p.170.

Starikov, V.N. - Population geography of Krasnoyarsk Territory. p.190.

Klepov, I.L. - Development and distribution of gold mining in the Far East before the Revolution and during the first years of the Soviet regime. p.206.

Sochava, V.B. - Page from the past of Russian geography; A.F. Middendorf's life and work. p.215.

Khlebovich, I.A. - Study of the medical geography of Siberia and the Far East during the prerevolutionary period. p.237.

Polevoi, B.P. - On the 1667 "printed" plan of Siberia. p.248.

c. GEOLOGY & PALEONTOLOGY

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku Izvestiia. Seriia geologo-geograficheskikh nauk i nefti [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Bulletin. Series in the Geological and Geographical Sciences and Petroleum] Baku, no.3, 1963.

Table of contents translated:

Ambartsumian, A.P., and others. - Analysis of the water encroachment of pools of the Sub-Kirmaki series in the southwestern wing of the Neftyanyye Kamni deposit in edge water flooding. p.3.

Akhundov, F.M. - Morphological differences between the Necromites Nestoris and the family Semantoridae (Mammalia, Pinnipedia). p.9.

Dzhafarova, Zh. - Fossil fishes of Shemakha District. p.15.

Kerimov, A.D. - Conditions governing the formation and distribution of barite and sulfide-barite deposits in Azerbaijan. p.21.

Azizbekov, R.Sh. - Petrochemical characteristics of dike formations of the adamellite intrusive of the Megri-Ordubad batolith. p.33.

Alizade, A. - Volcanic ash in the Tauzchay Basin. p.41.

Gasanov, R.K. - Morphological characteristics, mineralogy, and genesis of the gabbro-pegmatites of the Shakh-Dag Range (Lesser Caucasus). p.47.

TSepelev, N.S., Trubin, A.I. - X-ray examination of the mineralogical composition and genesis of clays in the variegated and lower coal-bearing series of the Tuar-Kyr region. p.59.

Bashindzhagian, I.S. - Determination of maximum molecular water capacity. p.71.

Ea'man, B.I., Gabuzov, G.G. - Technical conditions and design of a device for recording the temperature of drilling fluids at the bottom of a hole being drilled. p.75.

Shikhlinskii, E.M. - Heat balance in the Azerbaijan S.S.R. p.85.

Umarov, E. - Improvement of land drainage and prospects for the development of cotton growing in the Khorezm Oasis. p.105.

Gasanov, T.A. - Third Plenary Session of the Stratigraphic Commission on Jurassic Sediments in the U.S.S.R. [in Azerbaijani]. p.117.

*AKADEMIIA NAUK SSSR. Izvestiia. Seriia geologicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geological Series] Moscow, vol 28, no.10, Oct 1963

Table of contents translated

Sobotovich, E.V., and others. - Determining the age of ancient rocks by the lead-isochronous and isotope-spectrum strontium methods. p 3.

Lebedev, A.P., Bogatikov, O.A. - Plutonic analogies of trachybasalt formations as revealed by the study of the Kizir Massif (Eastern Sayan Mountains). p 15.

Bulina, L.V. - Structure of the basement in the southeastern part of the Siberian Platform. p 30.

Malov, V.D. - New data on the geology of the Agyrek Mountain region (northeastern part of central Kazakhstan). p.38.

Krut', I.V., and others. - Stratigraphic position and structure of the Karashay series in the Northern Caucasus. p.49.

Pol'ster, L.A. - Basic stages in the history of the geological development of the Kara-Bogaz-Gol (Gulf) region in the Mesozoic and Tertiary as related to oil and gas potentials. p.60.

Ostrovskii, I.A. - Concerning a feature of RT diagrams. p.79.

Zharikov, V.A., Diuzhikova, T.N., Maksakova, E.M. - Flow effect in electrolytic solutions p.81.

Smirnov, S.I. - Flow effect; concerning the hypothesis of Academician D.S. Korzhinskii and the results of his experiments. p.91.

Chernoberezhskii, IU.M. - Some remarks on V.A. Zharikov, T.N. Diuzhikova, E.M. Maksakova's article "Experimental and theoretical studies of the flow effect. Report No.1. Different flow rates of cations and anions." p.99.

On the tenth anniversary of D.S. Beliankin p.103.

Evgeniia Aleksandrovna Tolmacheva-Karpinskaia; obituary. p.104.

Literature on geology received by the library of the Department of Earth Sciences of the Academy of Sciences of the U.S.S.R. in July 1963. p.106.

Anikeeva, N.F. - Some problems of the Pre-Cambrian geology of the Voronezh Crystalline Shield p.117.

AKADEMIIA NAUK SSSR. Geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Geological Institute. Transactions]. Moscow, no. 82, 1963.

Contents: Maslov, V.P. [Introduction to the study of fossil charophytes] Vvedenie v izuchenie iskopaemykh kharovykh vodoroslei. 103 p.

AKADEMIIA NAUK SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Geology of Ore Deposits, Petrology, Mineralogy, and Geochemistry. Transactions]. Moscow, no.81, 1962. Metody khimicheskogo analiza mineralov [Methods of the chemical analysis of minerals].

Table of contents translated.

Sokova, K.P. - Methods of the analysis of monazite and its chemical composition. p.3.

Nesterova, IU., Arapova, G.A. - Methods of the chemical analysis of cassiterite. p.33.

Nesterova, IU.S., Arapova, G.A. - Chemical semimicroanalysis of cylindrite. p.36

Arapova, G.A., Nesterova, IU.S. - Polarographic method of the determination of oxidized and sulfide tin in siliceous rocks, sulfide ores, and minerals. p.39.

Burova, T.A. - Determination of the earth's acids in rocks and minerals. p.41.

Varshal, G.M. - Using urotropine in the precipitation of oxalates of some rare earth elements. p.43.

Moleva, V.A. - Role of water in silicates and aminosilicates and methods for determining it. p.47.

No. 83, 1963. Voprosy geologii i genezisa nekotorykh svintsovo-tsinkovykh mestorozhdenii Vostochnogo Zabaikal'ia [Geology and genesis of some lead-zinc deposits in eastern Transbaikalia].

Table of contents translated:

Preface. p.3.

Kozerenko, V.N. - Geological characteristics of the complex metal zone in the Argun Valley. p.7.

Radkevich, E.A. - Brief characterization of the complex metal belt in the Argun Valley. p.31.

Gorlov, N.V. - Geology of the Bazanovo-Akatuy ore region. p.39.

Pligina, D.B. - Geology of the Akatuy ore zone. p.48.

Aristov, V.V., Stankeev, E.A. - Algachi ore zone. p.48.

Arkhangel'skaia, V.V. - Lead-zinc deposits in the Klichka ore region. p.94.

Lobanova, G.M., Sanin, B.P. - Geology and composition of ores of the Savinskoye No.5 deposit. p.141.

Trofimov, N.N., Poliakova, O.N., Malinovskii, E.P. - Lead-zinc deposits of the Smirnovsko-Ecore field. p.161.

Chitaeva, N.A. - Geology of the Yavlenka ore field. p.202.

Zavorotnykh, I.R., Titov, V.N. - Geology of the deposits of the Pokrovsko-Gumulevskoye ore field. p.238.

Poliakova, O.P. - Lead-zinc deposits of the Kadaya ore field. p.265.

Kuznetsov, K.F. - Basic characteristics of the geology of the Nerchinskiy Zavod region. p.319.

Kuznetsov, K.F. - Ivanovskoye lead-zinc deposit. p.340.

Kulagashev, A.I. - Vozdvizhenka deposit. p.359.

Sholkin, K.D., Lenok, L.N. - Blagodatsk deposit. p.369.

Kuznetsov, K.F. - Yekaterino-Blagodatsk lead-zinc deposit. p.373.

Sholkin, K.D., Lenok, L.N. - Deposits of the Gorno-Zerentuy ore zone. p.392.

Dudin, M.R., Morozova, N.N., Gaibanov, B.V. - Shirokinskoye ore field. p.405.

Kormilitsyn, V.S. - Shilka zone of the lead-zinc deposits. p.431.

Timofeevskii, D.A. - Lead-zinc mineralization in gold ore deposits of eastern Transbaikalia. p.445

Dolomanova, E.I. - Lead-zinc mineralization in some cassiterite-quartz-sulfide deposits of eastern Transbaikalia. p.468.

Diuzhikin, A.V., Tikhonov, N.D., Zuev, V.N. - Lead-zinc mineralization in molybdenum deposits of eastern Transbaikalia. p.505.

Radkevich, E.A. - Position of lead-zinc mineralization in the general metallogenic plan of Transbaikalia. p.525.

Radkevich, E.A., Arkhangel'skaia, V.V., Poliakova, O.P. - Some problems of the genesis and characteristics of the distribution of lead-zinc deposits in eastern Transbaikalia. p.529.

Vol'fson, F.I. - Geologic structures of lead-zinc deposits in the Argun ore belt. p.541.

Kormilitsyn, V.S. - Hydrothermally alterated wall rocks of lead-zinc deposits in eastern Transbaikalia. p.551.

Dubinina, V.N., and others - Oxidation zone of lead-zinc and arsenic-lead-zinc deposits in eastern Transbaikalia. p.577.

Savadskii, O.A., Savadskaia, A.E. - Geochemical and geophysical studies in prospecting for lead-zinc deposits in eastern Transbaikalia. p.609.

Sanin, B.P., Svirskii, M.A. - Methods of prospecting for lead-zinc deposits in eastern Transbaikalia. p.630.

Literature. p.639.

AKADEMIIA NAUK SSSR. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Mineralogy, Geochemistry, and Crystallochemistry of Rare Elements. Transactions]. Moscow, no.7, 1961.

Table of contents translated:

Borodin, L.S. - Correlation of rare earth elements and some features of their distribution in cerium and cerium containing minerals. p.3.

Ivanov, V.V. - New data on the geochemistry of accessory elements in cassiterite-sulfide ores. p.20.

Beus, A.A. - Geochemistry of lithium in the processes of postigneous metasomatosis. p.50.

Beus, A.A. - Mechanism of the formation of idiomorphic crystals in the process of replacement. p.61.

Borisenko, L.F. - Find of scandium in the remains of Tertiary fish bones. p.65.

Agapova, L.I. - Distribution of lithium, rubidium and thallium in vein formations and circumveinal alternated rocks in the Pervomayskiy sector of the Dzhida deposit. p.71.

Sobolev, B.P. - Experimental study of geochemical conditions in the formation of beryllium containing willemite. p.79.

Tiutina, N.A., Aleskovskii, V.B. - Effect of soil acids on the migration ability of niobium. p.83.

Semenov, E.I., Tikhonenkov, I.P. - Low-temperature ramsayite. p.91.

Semenov, E.I., Kazakova, M.E. - Zirconium opals from alkali pegmatites. p.96.

Zhabin, A.G. - Catapleiite from the Vishnevyye Mountains. p.100.

Kalita, A.P., Bykova, A.V. - Tantalum betafite from pegmatites of the Lake Ladoga region. p.104.

Zhabin, A.G., Aleksandrov, V.B., Kazakova, M.E. - Aeschynite of hydrothermal genesis from the Vishnevyye Mountains. p.108.

Lebedeva, S.I., Razenkova, I.I. - Study of the microhardness of minerals of the columbite-tantalite isomorphous series. p.113.

Podporina, E.K. - Celestite in Tithonian sediments of the Kislovodsk region. p.118.

Semenov, E. I., Kazakova, M. E. - Hydrothorite in the pegmatites of the Lovozero alkali tundras. *p. 123.*

Khvostova, V. A., Bykova, A. V. - Accessory orthites in southern Yakutia. p. 130.

Feklichev, V. G. - Variation of striation on $(10\bar{1}0)$ prism faces of beryl crystals. p. 138.

D'iachkova, L. B. - Isomorphism of minerals in the Bi_2S_3-Bi_2Se_3 system; experimental study p. 150.

Liakhovich, V. V., Chervinskaia, A. D. - Accessory minerals in granitoids of the Tyrny-Auz deposit and their petrographic significance. p. 156.

Liakhovich, V. V., Noneshnikova, V. I. - Accessory minerals in granite intrusions of western Tuva and vein rocks associated with them p. 182

Liakhovich, V. V. - Accessory minerals and the absolute age of igneous rocks. p. 212

No. 15, 1963. Redkie elementy i aktsessornye minerały v ultraosnovnykh, shchelochnykh i kislykh porodakh [Rare elements and accessory minerals in ultrabasic alkali and acid rocks].

Table of contents translated:

Zolotarev, B. D. - Accessory minerals of ultrabasic and alkali rocks in some massifs of the Kola Peninsula. p. 3.

Borodin, L. S. - Perovskites in ultrabasic rocks of the Afrikanda Massif and some problems of the origin of this massif. p. 20.

Semenov, E. I., Kochemasov, G. G., Bykova, A. V. - Zirkelite and rosenbuschite from contact-metasomatic rocks in the Lovozero Tundras. p. 106.

Zhabin, A. G., and others. - New data on accessory davidite from the Vyshnevyye Mountains in the Ural Mountains and the so-called "ufertite" and "florutile." p. 110.

Feklichev, V. G. - Optical properties of eudialytes from the Khibiny Mountains and other places. p. 121.

Liakhovich, V. V. - Some characteristics of accessory zircon in granitoids. p. 136.

No. 17, 1963. Redkie elementy v osadochnykh i metamorficheskikh porodakh [Rare elements in sedimentary and metamorphic rocks].

Table of contents translated:

Serdiuchenko, D. P. - Formation and disintegration of orthite in metamorphic rocks. p. 3.

Semenov, E. I. - Rare elements in hydroxides of aluminum, iron, silicon, and manganese from the weathering surface and mineral formations deposited by hydrothermal solutions in alkali massifs. p. 15.

Burkov, V. V., Podgorina, E. K. - Morphology and genesis of strontium-bearing barite concretions in the Mangyshlak Peninsula. p. 33.

Bolko, T. F. - Searless Lake and its lithium- and tungsten-bearing brines. p. 47.

Kholodov, V. N. - Rare radioactive elements in phosphorites. p. 67.

Kolotukhina, S. E. - Concentration of rare earths in granite gneisses of the Archean basement in Africa. p. 109.

LENINGRAD. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GEOLOGII ARKTIKI. Sbornik statei po paleontologii i biostratigrafii [SCIENTIFIC RESEARCH INSTITUTE OF ARCTIC GEOLOGY. Papers on Paleontology and Biostratigraphy]. No. 31, 1963.

Table of contents translated:

Mironova, M. G. - Brachiopoda of Lower Carboniferous sediments in the Kolyma Valley. p. 5.

Sostpatrova, G. P. - Distribution of Foraminifera in Upper Paleozoic sediments of the Taymyr Peninsula. p. 52.

Rasskazova, E. S. - Coniferae in the Permian of the Turguska Basin. p. 72.

Barkova, M. V. - Some data on the palynological spectra of Karginskiy sediments in the Ust'-Port region. p. 79.

No. 32, 1963.

Table of contents translated:

Dibner, A. F. - Correlation of the key sections of Permian oil-bearing sediments in the Lena-Khatanga trough based on palynological data. p. 5.

Korotkevich, V. D. - Palynological characteristics of marine Jurassic and Lower Cretaceous sediments revealed by the boreholes in the Tyumyati and Ulakhan-Yuryakh areas (Lena-Olenek region). p. 24.

Milyshtein, V. E. - Problematic formations of the Kolosovskaya series in the Sinian system of the eastern and central Taymyr Peninsula. p. 37.

Shvedov, N. A. - New Early Triassic plants from the Noril'sk region. p. 59.

Pavlov, V. V. - Use of the combined method for paleobotanical characterization of Upper Mesozoic sediments in some regions of the Lena Basin. p. 68.

LENINGRAD VSESOIUZNYI GEOLOGICHESKII INSTITUT Trudy [ALL-UNION GEOLOGICAL INSTITUTE. Transactions]. Vol. 85, 1963. Materialy po obshchei i regional'noi tektonike [Materials on general and regional tectonics].

Table of contents translated:

Preface. p. 3.

Nekhoroshev, V. P. - Principal hypotheses of tectogenesis and their contradictions. p. 7.

Nekhoroshev, V. P. - Tectonic terminology. p. 27.

Labazin, G. S. - Geologic and metallogenic development of crustal mobile belts. p. 35.

Khoreva, B. IA. - Characteristics and types of shear zones. p. 53.

Masaitis, V. L., Staritskii, IU. G. - Special type of structures in the eastern part of Asia, Diwa, the third principal structural element of the continental crust. p. 63.

Gromov, IU. IA. - Marginal troughs of median massifs. *p. 91.*

Andreev, B. A. - Geological and geophysical characteristics of the arch uplift regions. p. 101.

Vardaniants, L. A. - Isotachs, equal-velocity lines of sedimentations, as a basis of the new type of tectonic studies, *p. 109.*

IAnov, E. N. - Intermontane depressions in the Altai-Sayan fold area and adjacent geosynclinal troughs. p. 119.

Simonenko, T. N., Tolstikhina, M. M. - Convergence of the Ural Mountains and the Russian Platform. p. 131.

Tikhomirov, N. I. - Intrusive complexes of Transbaikalia and tectonic conditions governing their formation. p. 137.

Itsikson, M. I., Muzylev, S. A. - Basic characteristics of the Riphean tectonics in the Far East; experience in representing the paleotectonic pattern. p. 149.

Vol 88, 1963 Problemia neftegazonosnosti Srednei Azii [Oil and Gas Potentials of Central Asia], no 13.

Contents. Baranova, Z. E., Burakova, A. T., Bekasova, N. B. [Stratigraphy, lithology, and flora of Jurassic sediments of the Tuarkyr region] Stratigrafiia, litologiia i flora iurskikh otlozhenii Tuarkyra. 231 p. plates

LENINGRAD. VSESOIUZNYI NEFTIANOI NAUCHNO-ISSLEDOVATEL'SKII GEOLOGORAZVEDOCHNYI INSTITUT. Trudy [ALL-UNION PETROLEUM (SCIENTIFIC RESEARCH) GEOLOGICAL PROSPECTING INSTITUTE. Transactions]. No. 121, 1958. Treshchinovatye porody i ikh kollektorskie svoistva; metody issledovanii [Fractured rocks and their reservoir properties; research methods].

Table of contents translated

Foreword. p. 3.

Smekhov, E. M., and others. - Methods of studying fractured rocks in connection with their reservoir properties. p. 7.

Kalacheva, V. N. - Some data on fractured rocks of the Lower Cambrian in the Irkutsk amphitheater and their reservoir properties. p. 67.

Romashova, M. G. - Results of studying macrofractured rocks according to data on the Novovoskresenskaya structure in Irkutsk Province. p. 115.

Dorofeeva, T. V. - Some data on Devonian fractured rocks in the southern Minusinsk Basin based on the materials on macrofractured rocks. p. 156.

Gromov, V. K. - Carbonate reservoir rocks in fields of the Kinzebulatovo type. p. 169

Gnid, L. P. - Results of the study of the lithology and petrography of Paleozoic fractured rocks in the Bashkirian part of the Ural Mountain region, the southern Minusinsk Basin, and the Irkutsk amphitheater. p. 187.

Romm, E. S. - Study of the fluid flow in fractured rocks in connection with their reservoir properties. p. 217.

No. 211, 1963.

Contents: Dvali, M. F. [Source beds and principles for their identification] Neftematerinskie svity i printsipy ikh diagnostiki. 378 p.

REFERATIVNYI ZHURNAL: GEOLOGIIA [JOURNAL OF ABSTRACTS: GEOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. *Moscow, no. 11, Nov. 1963.*

RENTGENOGRAFIIA MINERAL' NOGO SYR'IA [RADIOGRAPHY OF MINERALS] Issued by Komissiia po rentgenografii Akademii nauk SSSR [Committee on Radiography of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 2, 1962.

Table of contents translated:

Preface. p. 3.

Vishnevskii, I. I., Gavrish, A. M., Sukharevskii, B. IA. - Study of the stabilization and destabilization processes of the cubic modification ZrO_2. p. 5.

Sukharevskii, B. IA. - Characteristics of solid solutions between chrome spinellid and iron oxides. p. 11.

Ivoilov, A. S., Denisova, L. L. - X-ray method of determining the quartz content in mineral mixtures. p. 17.

Eliseev, E. N., Kavich, I. V., Mironchuk, M. G. - X-ray study of some aluminum silicate and sulfide minerals of the Norilsk deposit. p. 23.

Gadovich, N. V., Kukovskii, E. G., Ostrovskaia, A. B. - X-ray study of montmorillonite containing substitution cations. p. 36.

Organova, N. I. - X-ray studying of some natural *muscovite.* p. 41.

Arkhipenko, D. K., Grigor'eva, T. N., Kosals, IA. A. - Identification of micas. p. 46.

Sokolova, E. P. - Aluminiferous analogues of glauconite. p. 52.

Sokolova, E. P. - Vein bowlingite from olivine diabases and gabbro diabases of Tyumen' Province. p. 64.

Rautian, T. S. M. - Methods for studying the oriented aggregates of clay minerals using the X-ray diffraction analysis. p. 69.

Rautian, T. S. M., Kuftchitskii, L. I. - New experimental data on the study of the microaggregates of clay *minerals.* p. 75.

Sidorenko, G. A., Chernova, N. I. - X-ray studying of the bone phosphate of fossil fishes in the Soviet *Union.* p. 81.

Kondrat'eva, V. V. - New data on preobrazhenskite. p. 88.

Erenburg, B. G. - Standard X-ray diagrams of the individual carbonates of the calcite and dolomite group. p. 94.

Nudel'man, S. L., Frank-Kamenetskii, V. A. - Size of the unit cell of cooperite. p. 105.

Nudel'man, S. L. - Determination of the coordinates of atoms (ions) in a crystal lattice based on the X-ray powder pattern data. p. 108.

Vasil'ev, E. K., Boldakov, V. I. - Simple measurer of the X-ray powder patterns. p. 115.

SIBIRSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GEOLOGII, GEOFIZIKI I MINERAL'NOGO SYR'IA Trudy [SIBERIAN SCIENTIFIC RESEARCH INSTITUTE OF GEOLOGY, GEOPHYSICS, AND MINERAL RESOURCES. Transactions]. Leningrad, no. 26, 1963

Contents: [Geology and prospects for finding oil and gas in the northwestern part of the Siberian *Platform] Geologicheskoe stroenie i perspektivy* neftegazonosnosti severo-zapada Sibirskoi platformy. *183 p.*

UZBEKSKII GEOLOGICHESKII ZHURNAL [UZBEK GEOLOGICAL JOURNAL]. Issued by Akademiia nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S. S. R.]. Tashkent, vol. 7, no. 3, 1963.

Table of contents translated

Role of Professor Kh. M. Abdullaev, the corresponding member of the Academy of Sciences of the U. S. S. R., a member of the Academy of Sciences of the Uzbek S. S. R., in the development of the geology of Uzbekistan. p. 5.

Baimukhamedov, Kh. N., and others. - Geology and conditions governing the distribution of mineralization of some gold-ore deposits in Uzbekistan. p. 11.

Radzhabov, F. Sh., Mirkhodzhaev, I. M. - Water content and other volatile components of natural melts and their importance in igneous processes. p. 19.

Khamrabaev, I. Kh., and others. - Distribution of rare alkalies and thallium in the rocks and minerals of granitoid massifs in western Uzbekistan and the central part of the Chatkal-Kurama Ranges. p. 26.

Voronich, T. M. - Interrelationship of skarn and ore mineralization in some skarn-ore deposits in western Uzbekistan and the Chatkal-Kurama region. p. 35.

Kuchukova, M. S. - Age and ore potential of lamprophyres of the Chakyl-Kalyan Mountains. p. 41.

Borisov, O. M., Lordkipanidze, L. N. - Scale of crustal structures. p. 46.

Akhmedzhanov, M. A., and others. - Tectonic pattern of the Almalyk ore zone. p. 55.

Vol'fson, N. B., Garkovets, V. G. - New concepts of the structure and distribution of endogenetic mineralization in western Uzbekistan based on geophysical data. p. 62.

Akramkhodzhaev, A. M., Amirkhanov, Sh. Kh., Alaviddinov, D. - Using mass-spectrometric analysis *in petroleum geology.* p. 70.

IUr'ev, A. A. - Recent tectonic movements and the structure of the Pendzhikent intermontane trough in connection with prospects for finding oil and gas in it. p. 76.

Denisov, S. A., Dedy, V. IU. - Logs of open pits as a method for studying the geology of deposits. p. 83.

Gridnev, N. I. - All-Union Conference on the Stratigraphy and Correlation of Continental Mesozoic and Cenozoic sediments in the Soviet Part of Asia. p. 85.

Index to works by the associates of the Institute of Geology of the Academy of Sciences of the Uzbek S. S. R., 1937-1962 (continuation). p. 86.

13. SCIENCE

a GENERAL

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Doklad, [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Reports] Erivan, vol 36, no 4, 1963

Table of contents translated.

Nersesian, V.B. - A problem for differential functional equations. p.193.

Ter-Stepanian, G.I. - Graphic and graphic-analysis methods for chain nomograms with parallel scales. p.203.

Khachikian, E.E. - Study of nonlinear vibrations of structures during heavy earthquakes. p.211.

Mkhitarian, A.M. - Heat transfer in lakes. p.217.

Galstian, A.Sh. - Inactivation of enzymes in soil. p.223.

Kazarian, V.O., Karapetian, K.A. - Effect of photoperiodism on the change in the amino acid composition of the isolated leaves of perilla. p.233.

Karapetian, S.K., Nazarian, M.B. - Some biochemical displacements in the generative and endocrine organs occurring during removal of the cerebrium. p.237.

Babkhadzhian, O.G. - Representation of a visceral afferent system in the zone of the internal capsule. p.243.

Dolabchian, Z.L. - Vector study of the electric forces of the heart in hypertension. p.249.

Vol 37, no 1, 1963

Table of contents translated

Petrosian, A.V., Mnatsakanian, B.S., Bozoian, Sh.F. - Some properties of Hemming's code p.3.

Kocharian, N.M., and others - Dielectric loss, dielectric constant, and the effective dipole moment of polydimethylvinylethynylcarbinol p.7

Karapetian, N.K. - Methodology of determining the energy of earthquakes taking into account the frequency spectrum of seismic vibrations p.15

Kazarian, A.G., Shekhian, G.G. - Genesis of the pyrite deposits of the Armenian S.S.R. p.21

Karapetian, B.S., and others - Recent data on the mineralogy of enclosing rocks in the Kafan ore area p.25

Batsanian, S.I. - Correlation of the chemism of igneous rocks of various facies in the Armenian S.S.R. p.29

Shekhov, A.A., Nariman, S.G., Golubkova, B.M. - Change in the structure of chloroplasts under the influence of the temperature and radiation balance on Mount Agarats p.33.

Kazarian, V.O., Gabrielian, G.G. - Identity of amino metabolism in buckwheat plants during the formation of flowers and aerial bulbils p.39.

Rukhkian, V.A. - Robber flies of the genus Antiphrisson Loew (Diptera, Asilidae) in the Caucasus. p.43

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia Serii fiziko-matematicheskikh nauk [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin Series in the Physical and Mathematical Sciences] Erivan, vol 16, no 5, 1963

Table of contents translated:

Karapetian, S.E. - Projective differential geometry of a family of multidimensional planes. Part 2. p.3.

Tumarkin, G.Ts. - Properties of analytic functions representable by Cauchy-Stieltjes and Cauchy-Lebesgue type integrals. p.23.

Kirakosian, R.M. - Reducing the problem of creeping shells to an equivalent nonlinear-elastic problem. p.17.

Manukian, M.M. - Torsion of a sectional shaft of variable diameter in nonlinear creep. p.59.

Nersisian, E.M. - Entry of a cone into a noncompressible inhomogeneous liquid. p.83.

Petrosian, L.G. - Solution of the boundary layer equation. p.91.

Garibian, G.M., Karapetian, R.V. - Motion of a charge along the axis of an inhomogeneous cylindrical dielectric. p.99.

Saakhbazian, V.A. - Derivation and solution of a system of integral equations describing the amplitudes of τ^+ and τ^+ decays of K^+ mesons. p.107.

Arutiunian, F.R., Ananova, L.A., Grigorian, N.G. - Highly directional Cherenkov counter for relativistic particles. p.119.

Grinchenko, V.T., Ulitko, A.F. - Rigorous solution of the axially symmetric problem in the theory of elasticity for a circular rigidly clamped plate. p.125.

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Doklady [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Reports] Baku, vol.18, no.12, 1962

Table of contents translated:

Mamedov, R.G. - Direct and inverse theorems in the theory of approximation of periodic functions by m-singular integrals p.3.

Shevchenko, K.N., Mamedov, I.A. - Direction of the flow rate of a metal in strip rolling p.7

Khalilov, T.A. - Damping method and its use in the synthesis of automatic control systems p.13

Shakhtakhtinskii, T.N., Andreev, L.V. - Condensation of pentaerythritol with carbonyl compounds in the presence of the KU-2 cation exchanger. p.17

Trivus, N.A. - Calculation of the saturation pressure of undersaturated formation oils of Azerbaijan. p.23

Mamedaliev, Iu.G., Mamedov, Mageram., Akhmedov, I.M. - Condensation of hexachlorocyclopentadiene with diallyl phthalate p.29.

TSaturiants, A.B. - Possibility of the existence of a liquid condensate in the gas-condensation area of an untapped pool p.33.

Dzhalilov, K.N., Gadzhiev, M.A., Rustamov, IA.R. - Displacement of gas with an elastic fluid in an elastic layer p.37

Askerov, R.B. - Stratigraphic distribution of Upper Jurassic brachiopods in the Lesser Caucasus (Azerbaijan) p.41.

Iskendarov, I.Sh. - Water absorption by meadow-Sierozem soils, saturated with Ca and Na, in the Salany and Mugan Steppes p.45.

Akhund-zade, D.M. - Change in wood types and growing conditions in Azerbaijani forests p.51.

Novruzova, Z.A. - Effect of aridity on the structure of mechanical elements of the secondary xylem of some woody plants. p.59

Burchak-Abramovich, N.I., Gadzhiev, D.V. - Discovery of the beaver Castor fiber L. in Azerbaijan. p.63

Tagi-zade, T.A., Samedov, A.S., Mardaliy, A.S. - Pathogenic properties of Leptospira isolated in Azerbaijan p.69

Mutalibov, N.A. - New method of arteriography of subclavian and upper extremity arteries p.75

Tanzade, N.A. - Unknown materials on A.M.Mekhmandarov (1854-1929), one of the first Azerbaijani physicians. p.81.

Ali-zade, Zaida. - New finds at the walls of the Baku fortress p.89

* AKADEMIIA NAUK SSSR. Doklady [ACADEMY OF SCIENCES OF THE U.S.S.R. Reports] Moscow, vol 152, no 2, Sep 1963

Table of contents translated

MATHEMATICS

Dzvin, I.I. - Criteria for regular functions belonging to two classes of functions of two complex variables. p.255

Volk, V.IA. - Spectral resolution for a certain class of non-self-adjoint operators. p.259.

Il'in, V.P. - Some inequalities between the norms of partial derivatives of functions of several variables p.262

Leont'ev, A.F. - Completeness of the system $\{e^{\lambda_n z}\}$ in a closed strip p.268

Lomonosov, M.V. - Fundamental solutions to elliptic equations. p.269

Maslov, S.IU. - Rigorous representability of sets by calculi. p.272

Nechaev, V.I. - Group of nonsingular matrices over a finite field, and recurrent sequences. p.275.

Orevkov, V.P. - Constructive mappings of polyhedra. p.273.

Ramm, A.G. - Spectral properties of Schrödinger's operator in regions with infinite boundaries p.282.

Reshetniak, IU.G. - Stability in Liouville's theorem on conformal mappings of space. p.286.

Rubinshtein, G.Sh. - Dual extremum problems. p.288.

Slisenko, A.O. - Certain properties of arithmetic operations on duplexes. p.292.

Suvorov, G.D. - Univalent mappings of plane regions and generalized zero-measure sets of simple ends of the respective region. p.296.

CYBERNETICS AND REGULATION THEORY

Emel'ianov, S.V., Utkin, V.I. - Use of automatic regulation systems of variable structure for controlling objects whose parameters vary within a wide range. p.299.

TSypkin, IA.Z. - Stability of processes in nonlinear pulsed automatic systems. p.302.

MECHANICS

Bunatian, L.A. - Motion of a freely hung gyroscope on a nonstationary support, allowing for the masses of the gimbal rings. p.305.

PHYSICS.

Gross, E.F., Nedzvetskii, D.S. - Fine structure of the damping times for edge radiation bands in GaP crystals. p.308.

Fateeva, N.S., Vereshchagin, L.F., Kolotygin, V.S. - Optical method for determining the melting point of graphite as dependent on pressure up to 40,000 atm p.317.

Finkel'berg, V.M. - Virial expansion in the problem of electrostatic polarization of a system of many bodies. p.320

GEOPHYSICS

Stewart, R.W. - Coordination of the available experimental evidence on the spectrum and microstructure of locally isotropic turbulence p.324.

CRYSTALLOGRAPHY

Solov'eva, L.P., Belov, N.V. - Crystalline structure of hodgkinsonite $Zn_2Mn[SiO_4](OH)_2$. p.327

CHEMISTRY

Barv, A.A., and others. - Effect of bromine on the optical properties of purine and pyrimidine bases p.331

Ginzburg, L.V., Shershnev, V.A., Dogadkin, B.A. - Interaction of 2,6-dimethylol-4-tert-butylphenol with unsaturated elastomers. p.335

Zakharkin, L.I., Bilevich, K.A., Okhlobystin, O.IU. - Interaction of organomagnesium compounds with alkyl halides in a dimethoxyethane solution p.338.

Isaeva, Z.G., Andreeva, I.S. - Interaction of Δ^3-carene oxide with methyl alcohol in the presence of sodium methylate. p.342.

Shekhtova, N.A., Zhnov'ev, A.A., Mikheeva, V.I. - Melting diagram of the system Cl_2O_7-SO_3-H_2O in the region of high concentrations of perchloric and sulfuric acids p.346

PHYSICAL CHEMISTRY

Bagdasar'ian, Kh.S., Muromtsev, V.I., Shilov, V.Z.A. - Two-quantum photochemical reaction. Photolysis of a frozen solution of diphenylamine in ethyl alcohol p.349.

Buben, N.IA., and others. - Electron paramagnetic resonance spectrum of the cyclohexyl radical formed in the radiolysis of cyclohexane in the crystal state. p.352.

Vasil'ev, G.K., Skurat, V.E., Tal'roze, V.L. - Gas evolution kinetics in low-temperature radiolysis of paraffin and polyethylene. p.360

Volkov, V.M., Levin, A.A., Dimkin, M.I. - Comparative relative stability of isomers in $MX_{6-z}Y_z$ molecules p.359.

Gorfunova, N.A., Sokolova, V.I., TSian Bin-kai [Chiang Ping-hsi] - Dissolution of germanium in some ternary semiconducting compounds p.362

Dilung, I.I., Karpitskaia, V.E. - Photochemical oxidation of chlorophyll a in frozen solution p.367.

Egorov, B.N., Ruvich, G.B., Kryloy, B.G. - Phase transition of the second kind of 2,1,6-trihydroxynaphthol p.370.

Kremnev, L.IA., Nikitshechkina, L.A., Rusakova, A.A. - Stability of emulsions. p.372.

Mazilov, R.K. - Temperature dependence of proton magnetic relaxation times of protons and dipoles in aqueous solutions of Mn^{2+} ions p.375

Tabet, A.M., and others. - Charging conductivity of boride catalysts of Pt-group metals. p.378

IAkhnin, E.D., Taubman, A.B. - Adsorption of flocculation of dispersed quartz, and structure formation in solutions of rubber. p.382

CHEMICAL TECHNOLOGY

Bondareva, A.K., Grigor'eva, V.I., Tonkov, E.M. - Motion and mixing of solid particles in a fluidized bed. p.386

Kalmykova, E.E., Mikhailov, N.V. - Rheological properties of aqueous cement suspensions. p.389.

GEOLOGY

Bolkhovitina, N.A., and others. - Stratigraphy of continental Cretaceous sediments of the lower Amu Darya uplift (northeastern Aral Sea region) p.393.

Kornilov, N.A. - Redeposition of impregnated sulfides in the process of forming sulfide quartz nickel deposits. p.396.

Lazarev, G.E., Ushakov, S.A. - Gravity field and subglacial relief of the central part of eastern Antarctica. p.400.

Ruzhitskii, V.O. - Volcanic pipes in the Russian Platform. p.401

MINERALOGY:

Bud'ko, I.A., Kulagov, E.A. - Natural oxide of pyrite. p.408.

Sazonov, V.D. - Skolite formation in granitoids of the Gaymak-kan arsenic and complex ore deposit in the Karamazar Mountains. p.411

PETROGRAPHY:

Zhidkov, A.IA. - Unique deposit of pseudoleucite ultrapotassic syenite. p.414.

Sergeev, K.F. - Genesis of rocks in the spilite keratophyre formation of Paramushir Island (Kurile Islands). p.418.

LITHOLOGY

Kopysov, IU.G. - Composition of fractions from 0.001 mm of the noncarbonate part of marine clay rocks of the eastern section of the White Russian S.S.R. p.422.

GEOCHEMISTRY

Gusev, V.V. - Composition of arsenic compounds in Kerch ores. p.426.

Korzhinskii, D.S. - Thermodynamic potentials of open systems in which the acidity and redox potential are determined by external conditions p.430.

Kortsenshtein, V.N. - Origin of carbon dioxide in Lower Cretaceous gas pools of western Ciscaucasia p.434.

Sofiev, I.S., Gorlenko, I.A., Semasheva, I.N. - Some facts pertaining to the effect of the decomposition medium on the properties of the organic components of coal. p. 438.

Tatarova, A.A. - Effect of the concentration of cesium on its accumulation by plants. p. 441.

PALEONTOLOGY

Muslov, V.P. - Germination of the oospore in fossil charophytes and a new form genus. p. 443.

CYTOLOGY

Ivanovskaia, E.V., Prokof'eva, Z.D. - Polyteny in the nuclei of wheat antipods. p. 446.

GENETICS

Kanadze, I.I., Filatova, I.T. - RNA changes in the giant chromosomes of Chironomus dorsalis during metamorphosis and under experimental treatments. p. 450

MICROBIOLOGY

Krasil'nikov, N.A., Duda, V.I. - Transformations of the nuclear structures during sporulation in thermophile bacteria of the genus Clostridium. p. 454.

BIOPHYSICS

Zhuravlev, A.I., Korzhenko, V.P. - Chemiluminescence of lipids and the rate of growth of Pacific Ocean salmon. p. 457

Furumova, N.D., Pakulina, L.E. - Determination of the C^{14} concentration by the method of trace calculation. p. 461.

BIOCHEMISTRY

Andreev, A.K. - Muscle maltase in fishes. p. 464.

Bekina, R.M., Sisakian, N.M. - Activity of photosynthetic phosphorylation. p. 467.

Kazakova, T.B., Neifakh, S.A. - Mechanochemical activity and the permeability of the membranes of the mitochondrias of normal and tumoral cells. p. 471.

Makarevich, V.M., and others. - Effect of chlororganic insecticides on the processes of tissue respiration in the imagoes and larvae of houseflies and in the caterpillars of the lackey moth. p. 475.

Salimova, V.V. - Globulins in the seeds of the hyacinth bean (Dolichos Lablab L.) p. 479.

Emmanuel', N.M., and others. - Antileukemic effect of 2,6-di-tert.-butyl-4-methylphenol (ionol). p. 481

PLANT PHYSIOLOGY.

Ilenin, S.S., Moiseichenko, V.F. - Distribution of nutrients in fruit plants in the case of isolated nutrition of a single root. p. 485.

Udovenko, G.V., Ivanov, N.P. - Effect of the general level of mineral nutrition on the intensity of chloride uptake in plants. p. 489.

ZOOLOGY

Khalturin, D.K. - Significance of otoliths in the taxonomic analysis of fishes. p. 492.

EXPERIMENTAL MORPHOLOGY

Pavlova, V.F. - Effect of scleral pipalle on the development of vesicles in the eye of chick embryos. p. 494.

PHYSIOLOGY

Fedeleev, V.A. - Effect of calcium ion deficiency on the interoceptors of the small intestine. p. 497.

EMBRYOLOGY

Ginzburg, A.S. - Blocking mechanism of polyspermy in echinoderms. p. 501.

Vol. 152, no. 4, Oct. 1963.
Table of contents translated

MATHEMATICS

Arshon, I.S., Igilitskii, M.A. - Decrease of harmonic functions in a cylinder. p. 775.

Borisovich, Iu.G. - Use of Poincaré - Andronov's method in the problem of periodic solutions to differential equations with delayed arguments. p. 779.

Vasil'ev, F.P. - Use of the method of finite differences in solving Stefan's single-phase problem for a quasi-linear equation. p. 783.

Gorchakov, Iu.M. - Infinite groups of Frobenius. p. 787.

Dzhavadov, M.G. - Mixed problem for a hyperbolic equation with a small parameter at the higher derivatives. p. 790.

Efimov, B. - Metrizability and the Σ-product of bicompacta. p. 794.

Iliadis, S. - Some properties of absolutes. p. 798.

Krasnosel'skii, M.A. - Alternative principle of the existence of periodic solutions to differential equations with delayed arguments. p. 801.

Kuz'minov, V.I. - Test spaces. p. 805.

Lizorkin, P.I. - (L_p, L_q)-multipliers of Fourier integrals. p. 808.

Likhtman, A.I. - Normal divisors of the multiplicative group of a body. p. 812.

Liantse, V.E. - Solving certain boundary value problems by Fourier's method. p. 816.

Maslova, F.G. - A problem in the spectral theory of differential operators. p. 820.

Melamed, V.B. - Bifurcation points of a certain class of equations. p. 821.

Ofman, Iu. - Approximate realization of continuous functions by automatic machines. p. 823.

Ramazanov, M.D. - A boundary value problem. p. 827.

Romanovskii, A.V. - Finite groups with π-factorable subgroups. p. 831.

Slugin, S.N. - Use of the steepest descent method in a Hilbert modulus over a finite-dimensional complex K-space. p. 834

Fufaev, V.V. - Conformal transformations of cornered regions, and the differential properties of the solutions to Poisson's equation in cornered regions. p. 838.

Zieschang, H. - Classification of simple systems of curves on a double-loop surface of genus 2. p. 841.

CYBERNETICS AND REGULATION THEORY

Gel'fand, I.M., Platetskii-Shapiro, I.I., Tsetlin, M.L. - Certain classes of games and robot games. p. 845.

PHYSICS

Iordanskii, S.V., Kulikovskii, A.G. - Stability of higher correlation functions in a plasma. p. 849.

Kabalkina, S.S., and others. - New modification of Ag_2O with a laminar structure. p. 853.

Karkhanin, Iu.I., Vorob'ev, Iu.V. - Mechanism and kinetics of the electroluminescence of silver oxide. p. 855.

Komar, A.P., Bochagov, B.A., Fadeev, V.I. - Fission of Th^{232} nuclei by 14 Mev. neutrons and continuous spectrum photons with an energy of $E_{\gamma max}$ = 90 Mev. p. 858.

CHEMISTRY

Bol'shii, I.F., Shulkin, N.I., Shostakovskii, V.M. - Catalytic synthesis of $\sqrt{}$-ketocarboxylic esters by the method of conjugate hydrogenolysis. p. 862.

Bragin, O.V., and others. - Hydrogenolysis and reciprocal transitions of cis- and trans-1,2-dimethylcyclopentanes in the presence of rhodium, osmium, iridium, and palladium catalysts. p. 865.

Zefirov, N.S., Prikazchikova, L.P., IUr'ev, IU.K. - Stereochemistry of the addition of mercury salts to olefins studied by the use of the mercury salt of trinitromethane. p. 869.

Korshak, V.V., Sosin, S.L., Vasnev, V.A. - Synthesis of polymers from the nitriles of aromatic and fatty acids by polyrecombination reaction. p. 872.

Nesmeianov, A.N., and others. - Pentaethanodiferrocene. p. 875.

Nikishin, G.I., Mustafaev, R.I., Petrov, A.D. - Free radical addition of N-alkyl acetamides to methyl acrylate. p. 879.

Chernlaev, I.I., Babkov, A.V. - Synthesis of potassium cyanoplatinate. p. 882.

Shakhova, N.V., Alimarin, I.P., Zolotov, IU.A. - Coextraction of calcium and strontium with hydroxyquinolinates of certain elements. p. 884.

Shchegoleva, T.A., Sheludiakov, V.D., Mikhailov, B.M. - Nature of the coordination compounds formed by boron and diborane halides in other solutions. p. 888.

PHYSICAL CHEMISTRY

Al'tshuler, O.V., and others. - Possibility of chromatographic separation in gas-liquid columns without the use of an inert gas carrier. p. 892.

Balashova, N.A., Rashkov, St. - Effect of the electrolyte acidity on the properties of cobalt electrodeposits. p. 896.

Bialobzheskii, A.V. - Effect of neutron radiation on the corrosion behavior of aluminum in water. p. 899.

Vaisfel'd, N.M., Gorbachev, A.A., IUsim, L.M. - Crystallization of photosensitive glasses as dependent on the method of isolating the crystallization centers. p. 901.

Vannikov, A.V. - Rectifying effect in semiconductors. p. 905.

Varadi, E., TSvetkova, V.I., Chirkov, N.M. - Catalytically active particles in the $TiCl_4$ - Et_2AlCl system during the polymerization of ethylene. p. 908.

Doringin, B.V., Al'tshuler, M.A. - Ei physicochemical properties of entra the impregnation of porous bodies.

Matorina, N.N., and others. - Kinetic change processes in the presence of forming reagents. p. 915.

Sidorov, A.N., Vorob'ev, V.G., Tere Spectral study of the photoreduction phenylporphine. p. 919.

Sobolev, E.V., Aleksanian, V.T., Mi Vibration spectra of cyclopentadiene deuterocyclopentadienes. p. 923.

GEOLOGY.

Belov, A.A., Zalesskaia-Chirkova, E. Carboniferous continental sediments slope of the principal range of the C p. 927.

Bublichenko, N.L., Kozhemiako, M.N. of flyschoids and their genesis in the Altai. p. 931.

Vroneskii, V.A. - Results of a palynolo Quaternary and Upper Pliocene depo village of Zel'ma, Astrakhan Provin

Giterman, R.E., and others. - Featur tation cover of Kazantseva interglac p. 937.

Zubakov, V.A. - Time relations of glacial stages and interstadials of Last Glaciation (according to C^{14} data) p. 941.

Zubtsov, E.I., Zubtsova, E.I. - Pre-Cambrian granites and the Lower Paleozoic of the central Tien Shan. p. 945.

Lozhkin, A.V. - New palynologic data on the development of vegetation of the northeastern U.S.S.R. in the Quaternary. p. 949.

Luncva, O.I. - Pre-Cambrian conglomerates of the Kola Peninsula. p. 953.

Maksimov, E.V., Okhotnikov, V.N. - Number of ancient glaciers in the Kirghiz and Kungey Ala-Tau. p. 956.

Minchink, M.F., Khachatrian, R.O., Gromeka, V.I. - Permian arch of the sedimentary mantle of the eastern Russian Platform p. 960

Petrovskii, A.D. - Finds of Eifel fauna and general development features in the Devonian of the eastern and western slopes of the Southern Urals. p. 964.

Shteinberg, G.S., Zubin, M.I. - Depth of bedding of the magnetic chamber under Avacha Volcano. p. 968.

IUrovskii, L.A. - Correlation of Cretaceous and Paleogenic rocks in the region of the Sea of Azov. p. 972.

PETROGRAPHY

Podol'skii, IU.V. - Linear parageneses of the main rock-forming elements of rocks in spilite-keratophyre formations. p. 975.

GEOCHEMISTRY

Shmakin, B.M. - Wave of acidity of postmagmatic solutions in mica-bearing pegmatites. p. 979.

PALEONTOLOGY

Dorofeev, P.I. - Tertiary flora of Svetlogorsk, Kaliningrad Province. p. 983.

CYTOLOGY

Raikova, E.V. - Morphological and cytochemical changes in the oocytes of sterlet and sturgeon under the influence of the parasitism of Polypodium hydriforme Ussov (Coelenterata) p. 985.

HISTOLOGY.

Dziachkova, L.N. - Synaptology of the cerebral cortex of monkeys, electron microscopic study. p. 989.

GENETICS

Korpis, IU.IA., Logvinova, V.V. - Effect of adrenal gland hormones on the radiosensitivity of the chromosomal apparatus in the epithelial cells of the cornea of mice. p. 992.

ECOLOGY.

Orfeev, IU.V. - Adaptive role of herd behavior. p. 995.

MICROBIOLOGY.

Stefanov, S.B. - Fibrillar structure of the filiform bodies of the morbilliform virus in monkeys. p. 998.

BIOCHEMISTRY

Borisova, O.F., Kiselev, L.L., Tumerman, L.A. - Determining the degree of spiralization of transport RNA from the fluorescent properties of their complexes with acridine dyes. p. 1001.

Kochetkov, N.K., and others. - Primary structure of RNA. Specific splitting of ribonucleic acid. p. 1005.

PHYSIOLOGY

Monaenkov, A.M., Repin, IU.M. - Autoimmunological responses of the organism to the development and reversibility of compensatory variations in the heart. p. 1009.

Sovetov, A.N. - Posterior limbic cortex and interoceptive reflexes from the stomach and the intestines. p. 1012.

EMBRYOLOGY

Buznikov, G.A., Chudakova, I.V. - Serotonin in developing embryos of the sea urchin Strongylocentrotus drobachiensis. p. 1014.

Vol. 152, no. 5, Oct. 1963.
Table of contents translated.

MATHEMATICS.

722-705 O - 64 - 8

Iurin, G. V. - Deformation of complex structures on algebraic manifolds p 1316
Fomin, V. T. - Single-valued determinacy of orthoids with cuts p 1320
Khromov, A. P. - Expansion in eigenfunctions of ordinary differential operators with irregularly disintegrating boundary conditions p 1324.
Lisin, L. D. - Zeta functions on a group of unitary matrices p 1327.

CYBERNETICS AND REGULATION THEORY

Zaitlskii, V. A. - Minimization of the time measure of a many-layer cycle p 1329.

ASTRONOMY

Gurzadian, G. A. - Appearance of absorption lines of the Balmer hydrogen series in galactic spectra p 1331

PHYSICS

Gross, E. F., Nedzvetskii, D. S. - Generation of long-wave edge-luminescence bands in GaP crystals p 1335
Liamshev, L. M. - Sound diffusion by a cylindrical shell in a moving medium p. 1339.
Sobolev, V. V. - Complex structure of bands and excitons in cadmium selenide crystals. p. 1342
Fridkin, V. M., Bugrienko, V. I. - Electron mechanism underlying deviations from the law of reciprocal substitution in silver halide crystals p. 1346.

CRYSTALLOGRAPHY

Semiletov, S. A., Voronina, I. P. - Production, structure and some properties of single-crystal lead selenide films p. 1350.

CHEMISTRY

Ionin, B. I., Lebedev, V. B., Petrov, A. A. - Phosphinic acid esters with diacetylene radicals. p 1354.
Koton, M. M., Dukukina, L. F. - Polymerization capacity of tin-containing monomers. p. 1357.
Nesmeianov, A. N., Sazonova, V. A., Romanenko, V. I. - Alkylation of ferrocenylamine. p. 1358
Nikol'skii, B. P., Materova, E. A. - Ion exchange and the electrochemical properties of zirconyl phosphates p. 1360
Razuvaev, G. A., Bobinova, L. M. - Preparation and certain properties of the complex formed by methyl titanium trichloride and tetrahydrofuran. p 1363.
Rachinskii, V. V., Lur'e, A. A. - Precipitation isotherm. p. 1365.
Sokol'skaia, A. M., Reshetnikov, S. M., Sokol'skii, D. V. - Hydrogenation of unsaturated compounds in buffer solutions. p. 1369.
Terent'ev, A. P., and others. - Spectropolarimetric study of Schiff's bases in the furan series p. 1373
Tintakova, E. L., and others. - Cation activity of the components in a "cobalt" system and the nature of the end groups in a polymeric chain. p. 1376.
Toropov, N. A., Vasil'eva, V. A. - Phase relations in the system scandium oxide - aluminum oxide. p. 1379
Freidlin, L. Kh., Kaup, Iu. Iu. - Selectivity and stereospecificity in the processes of hydrogenation of acetylenic hydrocarbons on metal catalysts. p. 1383.
Khasin, A. V., Boreskov, G. K. - Isotopic exchange on platinum films p. 1387.

PHYSICAL CHEMISTRY.

Ablov, A. V., Bersuker, I. B., Gol'danskii, V. I. - Interpretation of the resonance absorption of γ-quanta by some complex iron compounds with allowance for the covalence of bonds and induction effects. p 1391.
Nikitin, F. E. - Bimolecular preassociation of polyatomic molecules. p 1395.
Kholmogorov, V. E., Baranov, E. V., Terenin, A. N. Role of the triplet state of aromatic amines in the photochemical reaction of dehydrogenation of alcohols at 77°K. p. 1399.
Eskin, V. E., Nesterov, A. E. - Scattering asymmetry
tuations in solutions
yers. p. 1403.

trochemical
tile, and
heir flotation

P. - Colloid
e blending of
lvent to produce

llin, S. G. -
leogene sedi-
ral Sea region.

gy of the
ama interfluve.

Pliocene
1420.
volcanism in
Mongolian

ion of Colchidite
uriformis.

Pokhlebkin, N. A. - Boundary of Kazan and Tatarian sediments and the division of Lower Ustia series in the northern part of the Russian Platform. p 1432.
Pchelkov, V. U. - New data on the stratigraphy of the Lower Paleozoic of the Turukhan region. p. 1436.
Soboleva, R. P. - Find of the Campanian Inoceramus in the Kyzylkum. p. 1439.
Shardanov, A. N., Shimanskii, A. A. - Age of igneous rocks in western Ciscaucasia. p. 1441.

LITHOLOGY

Eliseev, V. I. - Structure and facies division of proluvium as revealed by the studies of the Fergana Valley. p 1445

GEOCHEMISTRY

Vistelius, B. T. - Probability distribution functions of phosphorous concentration in granitoids in Switzerland, Guiana, and Equatorial Africa. p. 1449
Litvin, S. V. - Minor elements in Upper Carboniferous sediments of the Donets Basin and the Dnieper-Donets Lowland p. 1453

OCEANOGRAPHY:

Moskalenko, V. N. - New data on the structure of the sedimentary layer of the Mediterranean Sea. p. 1457.

CYTOLOGY

Shalumovich, V. N., Gabaeva, N. S. - Localization of nucleoproteids in the oocytes determination of the frog (Rana temporaria) by the methods of ultraviolet and luminescence microscopy. p. 1461.

ECOLOGY

Reshetnikov, IU. S. - Variation and polymorphism of whitefishes with respect to the characteristics of their feeding habits in the bodies of water of the North. p. 1465.

BIOCHEMISTRY

Koval'skii, V. V., Shumkova, I. A. - Adaptive variations in lactic phosphatases and the mammary glands in cows. p. 1467.
Naumova, I. B., Shabarova, Z. A., Belozerskii, A. N. - Structure of ribitolteichoic acid from Actinomyces streptomycini. p. 1471.

PLANT PHYSIOLOGY

Kulaeva, O. N., and others. - Reduction of the protein-nucleic acid metabolism in severed leaves during their senescence under the influence of kinetin. p. 1475.

EXPERIMENTAL MORPHOLOGY:

Voitkevich, A. A. - Symmetric disturbances in the anlagen of the lower extremities of the frog. p. 1479.

PHYSIOLOGY.

Meerson, F. Z., Repin, IU. M., Godin, V. P. - Role of correlation between the physiological function and genetic apparatus of the cell in the appearance and involution of myocardial hypertrophy. p. 1483.
Poskonova, M. A., Aleksandriuk, S. P. - Effect of adenine on the temperature inactivation of the action of the vagus nerve and acetylcholine. p. 1487.
Chudakova, I. V. - Postembryonic changes in the functional characteristics of the wing muscles of the Asiatic migratory locust. p. 1490.

PARASITOLOGY

Brzheskii, V. V. - Study of the development cycle of Taenia krabbei, a parasite of carnivorous animals and deer. p. 1491.
Index of articles in volume 152;
Classed index. p. I.
Alphabetic index. p. XIII.

AKADEMIIA NAUK URSR, Kiev. Dopovidi [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Reports], Kiev, no 12, 1961.

Table of contents translated

Otcharenko, F. D. - M. V. Lomonosov, the genius of the Russian nation. p. I.
Koval'chyk, I. M. - A theorem for Wiener's integrals. p. 1543
Timan, M. F. - Complete and partial moduli of the smoothness of functions of several variables. p. 1546.
Tynovs'kyi, A. A. - Quasi-L-analyticity of the class $C^{\omega}_{\{m\}}$. p. 1548.
Sobolevs'kyi, P. O. - A method of proving nonlocal existence theorems for parabolic equations. p. 1552
Antonov, A. M., Sidilar, M. M. - Determining the form of the shock wave in case of the flow of a gas stream around thin bodies. p. 1556.
Karpenko, P. D. - Determining the distribution of pressure on the profile during the flow of an incompressible fluid around it. p. 1560.
Panchenkov, A. M. - Hydromechanical characteristics of the wing near a solid boundary. p. 1566.
Ivashchenko, I. F. - Effect of the length of a rigid reinforcement on the erosive capacity of the stream in the erosion funnel below low-head gate dams. p. 1571.
Stepanov, A. IE. - Solution of a plane problem in the theory of elasticity by the use of electric model studies p. 1575.
Drahan, IA. P., Mykhailovs'kyi, V. M. - A case of the amplitude error of discretion p. 1578.

Leonov, M. IA., Rusynko, K. M. - [illegible] of brittle fatigue p. 1582.
Petrenko, I. P. - Investigating the stress [illegible] strength plastic subjected to repeated [illegible] axial loads. p. 1587.
Nazarchuk, M. M., Stel'makh, S. S. - [illegible] tween surface friction and heat exchange [illegible]
Hivnl', M. E. - Spectrum of the resonance [illegible] tion from a packet of layers p. 1591
Kravets', V. V., Kravchenko, I. M. - [illegible] model of the distribution of displacements [illegible] tudes in a vertically layered medium p. 1
Lebedlev, P. S., Sobalar, H. I. - Some [illegible] on the density of sedimentary rocks [illegible] outskirts of the Donets Basin. p. 1601
Polots'kyi, I. H., Tabachov, V. I. - Effect of [illegible] times and heat treatment of ultrapure [illegible] copper single crystals. p. 1605
Burkser, Ie. S., Koffova'ka, P. I. - Determination of the absolute age of rocks based on the [illegible] phiboles p. 1610
Kucherenko, M. T., Sokol'skaia, A. V. - [illegible] tics of carbonate concretions in upper [illegible] posits of the western regions of the Donets [illegible] p. 1614.
Volkov, M. H. - Compilation of a [illegible] for rivers of the middle Dnieper Valley, [illegible] tectonic interpretation. p. 1617.
Kratushkin, V. O. - Time of the formation [illegible] troleum deposit in the Borislav-[illegible] p. 1621.
Marchenko, F. IA. - Garnet containing [illegible] from pegmatites of the Sea of Azov [illegible]
Petrashkevych, M. I., Hurichev, A. I. - [illegible] middle Miocene stratigraphy of the [illegible] Depression p. 1629
Svystun, V. I. - Age-related variability of [illegible] the giant deer Megaloceros giganteus [illegible] p. 1634.
Puchkov, V. H. - Larvae of the subfamily [illegible] (Heteroptera, Lygaeidae) in the Ukrainian [illegible] p. 1636.
Epshtein, V. M. - A new species of fish [illegible] cola sp. n. (Hirudinea, Piscicolidae) [illegible] suppositions concerning its origin p. 1641

AKADEMIIA NAVUK BSSR, Minsk. Doklady [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Reports] Minsk, vol 7, no 4, April 1963

Table of contents translated

Supruncnko, D. A. - Order of the elementary [illegible] integral matrices. p. 231.
Aizenshtat, V. S. - Multiperiodic cyclic [illegible] p. 224.
Zalesskii, A. E. - Solvable subgroups of a [illegible] tive group of a locally finite algebra. p. 23
Shota, N. N., Makovetskaia, L. A. - Identification and microhardness of semiconducting [illegible] of InP - GaAs. p. 240.
Levashov, A. E., Ivanitskaia, O. S. - [illegible] to the covariant description of fields of [illegible] particles. p. 233.
Umreiko, D. S. - Effect of secondary processes on [illegible] law of luminescence damping of uranyl [illegible] p. 237.
Tomkin, A. G. - Solution of a Schrödinger [illegible] tion. p. 240.
Sovetdenko, V. P., Lozhechnikov, E. P. - [illegible] flow in rolling strips from metal powders [illegible]
Etroffov, B. V., Kravchuk, L. S. - Chromatographic determination of hydrogen in binary, [illegible] gases. p. 247.
Makhnach, A. S., Shovchenko, T. A. - Some [illegible] of the mineralogical composition of [illegible] salt deposits in the Pripet fault. p. 253.
Kiselev, P. A. - Movement of ground waters [illegible] interfluvial massif with a calculation of [illegible] from above in an inclined water-bearing [illegible] p. 256.
Lukashev, K. I., Khomich, A. A. - Formation of carbonates in present-day reservoirs in the [illegible] Russian lake region. p. 259.
Mironenko, A. V., Spiridonova, G. I., Mostar, I. A. - Change in the composition and content of [illegible] in the blue lupine (Lupinus angustifolius) [illegible] growth and development. p. 262.
Mashtakov, S. M., Volynets, A. P. - Interaction of gibberellic acid and the derivatives of [illegible] ic in flax plants. p. 266.
Ladyzhenskaia, K. I. - Materials on the [illegible] U. S. S. R. Pt. 3. A new genus of liverworts (Hepaticae Dum.) in the U. S. S. R. p. 270.
Volkova, L. V. - Significance of the stage of [illegible] feeding on the development of the larvae of [illegible] fish. p. 274.
Osipova, IA. K., Leonovich, A. L. - Effect of the cerebrospinal fluid and blood serum of patients with multiple sclerosis on the peroxidase of the spinal cord in rats. p. 277.
Savich, V. I. - Reciprocal interrelations of [illegible] antagonists under normal conditions and in the case of brain tumors. p. 280.

Vol. 7, no. 10, Oct. 1963.

Table of contents translated:

Krylov, V. I., IAnovich, L. A. - Convergence of the [illegible] nometric interpolation for analytic periodic functions. p. 649.

Lukomskaia, M.A., Shteinberg, N.S. - Relation between $\sum$ - integration and integration by conjugate variables. p. 653.
Grudo, E.I. - Derivation of zero-order solutions of first-order differential equations. p. 655.
Korolev, N.I. - Elastic equilibrium of a circular ring under the action of concentrated forces applied to one of the contours. p. 657.
Akulov, N.S., Mol'gui, M.A. - Electrostriction theory of phase transitions in barium titanate. p. 661.
Koren', N.N., Shirota, N.N. - Formation of Sb_2S_3, Sb_2Se_3, and Sb_2Te_3 films on antimony in the process of reactive diffusion. p. 666.
Slishkin, G.V. - Value function in multigroup age-diffusion approximation. p. 669.
Ivanov, A.P., Sherbaf, I.D. - Angular distribution of radiation in a medium illuminated by a narrow pencil of rays. p. 673.
Kruglik, G.S., Apanasovich, P.A. - Balance equations allowing for the collective properties of a system of identical particles. p. 677.
Serserdenko, V.P., Brekhov, K.V. - Extrusion of high-speed steel. p. 681.
Aleksandrovich, Kh.M., Pavlinchenko, M.M. - Effect of microscopic defects in natural potassium minerals on their gravity separation. p. 684.
Rakovskii, V.E., Pigulevskaia, L.V. - Evolution of the atmosphere, plants and fuel. p. 688.
Sterenko, Z.F. - Physical nature and the equations of mass transfer of the processes of photosynthesis, respiration and transpiration of plants. p. 693.
Konev, S.V., Saltoshenko, P.N. - Effect of urea on the accuracy of the luminescent express method for determining protein in milk. p. 696.
Mashtakov, S.M., Prokhorchik, R.A. - Stimulation of photosynthesis and the Hill reaction in the leaves of corn grown from seeds treated with simazine and atrazine. p. 700.
Ivashkevich, T.M., Kupervich, V.F., Shcherbakova, T.A. - Change in the composition of free amino acids in soil during the vegetation period. p. 704.
Ladyzhenskaia, K.I. - Materials on the bryoflora of the U.S.S.R. Pt. 4: A new genus of the liverwort Nechatoria Kamin. p. 708.
Leonov, V.A., Boiko, V.A. - Chromium content in the blood of children with leukemia. p. 711.
Borovik, E.A., Terent'eva, M.V. - Content of some microelements in the roe of the rainbow trout (Salmo irideus Gibbons). p. 714.

FAN VA TURMUSH [SCIENCE AND LIFE]. Issued by Akademiia nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, no. 9(79), Sep. 1963. (In Uzbek)

ISTORIIA I METODOLOGIIA ESTESTVENNYKH NAUK [HISTORY AND METHODOLOGY OF THE NATURAL SCIENCES]. Issued by Sektsiia istorii estestvoznaniia Uchenogo soveta po estestvennym naukam Moskovskogo gosudarstvennogo universiteta [Section of the History of the Natural Sciences of the Learned Council for the Natural Sciences of Moscow State University]. Moscow, no 2, 1963. Fizika [Physics].

Table of contents translated:
Predvoditelev, A.S. - Modern theory of space and time. Part I: Geometric space. p. 3.
Kozyrev, N.A. - Causative mechanics and the possibility of an experimental study of the properties of time. p. 95.
Terletskii, IA.P. - Significance and the further development of Boltzmann's cosmological conception. p 114.
Miakishev, G.IA. - Statistical laws as an expression of the necessary interrelations in nature. p. 121.
Guio, D.D. - From the history of the theory of the motion of energy. p. 135.
Sarangov, TS.S., Spasskii, B.I. - Role of analogy in the discovery of quantum mechanics. p. 183.
Kononkova, G.E. - Development of the theory of the generation of wind waves at the end of the 19th and in the first half of the 20th century. p. 209.
Verkhunov, V.M., Kolobov, N.V. - Meteorology and climatology at Kazan University in the last 150 years. p. 228.
Gvozdover, S.D. - Development of radio physics and electronics at the faculty of physics of Moscow University. p. 247.
Khrgian, A.Kh. - History of geophysics at Moscow University; on the 200th anniversary of its foundation. p. 264.
Nemchinova, N.M. - From the history of molecular acoustics. p. 279.
Bazarov, I.P. - Measure of mechanical motion. p. 284.
Vebras, E.A. - Scientific work of D.A. Gol'dgammer. p. 286.
IAkovlev, K.P. - First papers on radioactivity at the Institute of Physics of Moscow University during 1900-1930. p. 298.
Kononkov, A.F. - Physics department and study room at Moscow University in the 18th century. p. 308.
Sorokin, V.V. - Projects by M.F. Spasskii and others for setting up a meteorological and magnetic observatory at Moscow in the first half of the 19th century. p. 319.

MIR NAUKI [SCIENTIFIC WORLD]. Issued by the World Federation of Scientific Workers. London, no. 4, 1962.

Table of contents translated:
Powell, C.F. - Moscow Symposium on Higher Education. p. 1.
Wu Yang-ai - Achievements in the field of heart surgery in China. p. 6.
Christiansen, W.N. - Radio astronomic research on the structure of solar atmosphere. p. 8.
Arkobolevskii, I.I. - Important landmark in the development of Soviet-American relations. p. 15.
Carneiro, R.R. - Technical education in Brazil. p. 18.
Declaration of the Pugwash Conference. p. 20.
Wooster, W.A. - Seventh General Assembly of the World Federation of Scientific Workers. p. 21.
Offord, A.C. - World Congress on General Disarmament and Peace. p. 23.
Fudzito, Eganu, and others. - Declaration of the scientists' conference in Kyoto. p. 25.
Ness, A.R. - Book review. p. 27.
World Federation of Scientific Workers. Insert.

NAUKA I ZHYTTIA [SCIENCE AND LIFE] Published by Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR [Society for Dissemination of Political and Scientific Knowledge of the Ukrainian S.S.R.]. Kiev, vol. 12, no. 3(144), Mar. 1963.

Table of contents translated
Ovcharenko, F. - Frontline of science. p. 2.
Karbin, V. - Synthesis means creation. p. 4.
Krentsel', B. - Polyolefins take their place. p. 6
Akutin, M. - Score in favor of polyvinylchloride. p. 6.
Korotkov, A. - Synthetic rubber will replace the natural. p. 8.
Dolhoplosk, B. - Let's surpass the natural materials. p. 9.
Smyrnlahin, O. - On the border between two chemistries. p. 10.
Moralevych, IU. - Foam can be hard. p. 14.
Chornohorenko, V. - Metal plus polymer. p. 16.
IAsenev, O. - Properties by order. p. 18.
Davydov, O. - Ion exchange resins. p. 20.
Neimark, I. - Molecular sieves. p. 23.
Building "out of nothing." p. 24.
Frumkin, O. - Rebirth of electrochemistry. p. 26.
Davtian, O. - Electrochemical power engineering. p. 26.
Borisov, P. - Major chemical industrial complexes of the Ukraine. p. 30.
Alent'ev, O. - Golden bottom of Sivash. p. 34.
Polishchuk, O. - New developments in products of everyday use. p. 35.
TSypolovych, O. - Enzymes and the tomorrow of chemistry. p. 35.
Pshenychnyi, P. - Contribution of chemistry to stockbreeding. p. 38.
Butserova, M., Lobov, V. - What new achievements does science offer to agriculturists. p. 40.
Chernets'kyi, V. - At the frontier of life. p. 42.
Here is Ukrainian cellulose. p. 45.
Tarkova'ka, I. - The achievements of a young science, radiochemistry. p. 47.
It is interesting. p. 48.
Holovanov, IA. - The world behind lead glass. p. 49.
Pysarzheva'kyi, O. - Instant, stop. p. 51.
Ivanenko, S. - Daily train loads of soda. p. 54.
Onyshchenko, M. - Machinery for major chemical complexes. p. 55.
Pen'kovskyi, V. - An electron is looking for its partner. p. 56.
Diadiusha, H. - Grammar of the language of chemistry. p. 60.
Starodub, D. - News in photographic chemistry. p. 63.

NOVYE KNIGI ZA RUBEZHOM. Seriia A: Matematika, mekhanika, astronomiia, fizika, geofizika, khimiia, geologiia [NEW FOREIGN BOOKS. Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 16, no. 11, Nov. 1963.

PRIRODA [NATURE]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 52, no. 9, 1963.

Table of contents translated:
Fedoseev, P.N. - Philosophy and natural science. p. 3.
Kukarkin, B.V. - Tagged stars. p. 9.
Kozakov, L.A., Shial', V.A. - Stratosphere and mesosphere. p. 17.
Gladilin, K.L. - Plurality and specificity of enzymes. p. 22.
Alimarin, I.P. - Ultra substances. p. 27.
Truhaut, R. - Chemical admixtures in food and the danger of cancer. p. 32.
Znamenskii, IU.P. - Conditioned reflexes and the training of animals; in motion pictures and on a circus arena. p. 36.
Parnes, Z.N. - Aromatic compounds. p. 45.
Brezhnev, D.D. - Heterosis in vegetable crops. p. 50
Popov, I.A. - Let's stop the bogging up of the Colchis. p. 56
Uspenskii, S.M. - Snow goose. p. 56.
Brief notes on books. pp. 62, 85, 103, 119, 120.
Rozanov, B.G. - Termites of tropical Burma. p. 63.
Slysh, V.I. - Ionosphere of Venus Radar research. p. 68.
Svet, IA.M - Anniversary of the Pacific Ocean. p. 72
Fedorov, A.S. - Life dedicated to science The hundredth anniversary of the birth of Academician A.N. Krylov. p. 80.
Terekhov, P.G. - Outstanding Soviet physiologist, life and work of A.A. Ukhtomskii. p. 86
Davitashvili, L.Sh., Zakharieva-Kovacheva, K.R. - Mystery of a "stone forest" in Bulgaria. p. 90.
Murzaev, P.M. - Virgin sulfur of Australia. p. 92.
Popov, I.I. - First works of I.V. Kurchatov. p. 94.
Belevich, E.F. - New islands of the northern Caspian Sea. p. 95.
Al'shits, I.IA - Metal in a plastic coating. p. 97.
Rzaev, G.A. - Petroleum growth promoting substance. p. 97.
Ben'kovskii, L.M. - Wild rice on Sakhalin. p. 98.
Pleshakov, A.A. - Why did meadow grasses disappear? p. 99.
Dashzeveg, Dembereliin - Eggs of the dinosaurs. p. 100
Lavlova, Z.P. - Causes of bitter taste in cucumbers. p. 101.
Dokalskii, Gabriel'. - Venezuelan beauty. p. 102.
Magnetohydrodynamic generator with superconductive winding. p. 104.
Superstars and not supergalaxies. p. 104.
In search for the ways life originated. p. 104.
Lysenko, N.I. - Disintegration rate of the Crimean mountains. p. 105.
Zelenov, K.K. - Volcanoes of Indonesia. p. 105.
Size of world population. p. 106.
Vorob'ev, A.G., Smirnov, N.I. - Montgolfiers under present conditions. p. 107.
Massaev, K.V. - Chemical language of ants. p. 107.
Chuchkalov, B.S. - Medvezhiy glacier. p. 108.
White spots on the "blue continent." p. 110.
Poliakova, A.M., Smirnova, O.V. - New glue. p. 111.
Summer school for young astronomers and physicists. p. 111
Kokes, E.S. - Hunting with birds. p. 112.
Vereshchagin, N.K. - All-Union conference on the acclimatization of animals. p. 112.
A "convertible" seeder. p. 114.
Nesis, K.N., Starobogatov, IA.I. - Characteristics of fish behavior. p. 114.
Taranenko, N.F. - Green turtle in Kerch Straight. p. 115.
Chernov, A.A. - Micron. p. 115.
Zhuravel', P.A. - Clupeonella made its way to the Baltic Sea. p. 116.
Kozlov, V.V., Sulidi-Kondrat'ev, E.D. - Karst phenomena in the eastern Mediterranean region. p. 116.
Zilkevicius, V. - Anniversary of the Vilnius Astronomical Observatory. p. 117
Frankfurt, U.I - From Galileo to Einstein. p. 118.
Fomina, N.O. - Biology abroad. p. 119.
IAkovlev, A.A. - Tale about "old fourlegs." p. 121.
Paramonova, L.I. - Life of cephalopoda molluscs. p. 122.
Semikhatova, N.B. - Interesting recollections. p. 123.
What has the camera Lense "seen"? p. 124.
Gudimov, P.K. - Important but forgotten affairs. p. 125.
Krivolutskaia, G.O. - Volcanic ash shower. p. 126.
Dolgoshov, V.I. - Fluctification and range. p. 127.
Balbyshev, I.N. - On the Vuoksa River. p. 127.

ZN

Tikhov, I. - His reference itself p. 11
Kamenshchikova, M. - Without fulcrum, without scale, and without friction p. 11
Khlebnikova, IU. S. - The train does not stop p. 47
Romanova, V. - Present opinion p. 50.
Lukyanich, A. - End of a legend p. 52
Poll', P. - Some anthropomorphism and apparent depth p. 52
Rubinin, Ia. - From the biography of "Tsarevitsa" p. 54
Yanushev, V. - Salute p. 55
Petrenko, F. - Through a painter's eyes p. 56

b. ASTRONOMY

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Astrofizicheskii institut. Trudy. [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Astrophysical Institute. Transactions] Alma-Ata, Vol. 4, 1962. Rasseianie i poliarizatsiia sveta v zemnoi atmosfere [Scattering and polarization of light in the earth's atmosphere]

Table of contents translated

Introduction p. 3
Abdrakhmanov, I. I. - Sajsev's introductory address p. 5
Fesenkov, V. G. - Importance of atmospheric optics for astrophysics p. 6
Prokof'eva-Fesenkova, L. V. - Development of atmospheric optics in Kazakhstan. p. 14
Prokof'eva-Fesenkova, E. V. - Some data on the brightness of the sky p. 26.
Fotopova, T. P. - Study of aureoles near the sun p. 31.
Fedorov, M. G. - Brightness of sun aureoles near the sun p. 45.
Livshits, G. Sh. - Intensity of scattered atmospheric radiation p. 51
Livshits, G. Sh. - Determination of the indicatrixes of light scattering in the earth's atmosphere taking into account multiple scattering and pure absorption p. 57
Pavlov, F. L. - Photoelectric self-recording photometer of dry airglow and the indicatrix of scattered light in the earth's atmosphere including small angles of dispersion. p. 62
Kovaritskii, K. IA., Burkova, M. P., Gol'm, T. S. - Distribution of energy in the spectrum of total and diffuse radiation. p. 67
Zuev, V. E. - Effect of the temperature source on the significance of integral absorption functions of long-wave radiation in the surface layer of the atmosphere. p. 67.
Nikitin, Kh. I. - Simplified spectrometer for measuring spectral fluxes of diffuse radiation p. 72.
Feigel'son, I. M. - Interaction between the scattered and reflected dry airglow p. 74
Prokof'eva-Fesenkova, L. V. - Layer of the actual sky brightness p. 83
Mikhailov, M. S. - Horizontal fluxes of scattered radiation p. 89
Kondrat'ev, M. M. - Role of diffuse scattering in measuring the atmospheric transparency. p. 97.
Avaste, O. A. - Approximate solution of the problem of emission transfer at anisotropic scattering. p. 103
Tverskoi, B. D. - Calculation of the optical properties of aerosol p. 105
Khelevina, S. S. - Size-separating sampling device for aerosol from curvilinear flow. p. 108.
Iudakevich, F. F. - Computation of the distribution of the intensity and degree of polarization by twilight sky. p. 237
Parkina, A. kh. - Spectrophotometry of twilight sky. p. 241.
Resolutions of the conference p. 245
Participants of the conference p. 247.
Boiko, P. N., Kazachevskii, V. M. - Transparency of the atmosphere in the southern part of the Egyptian portion of the U. A. R. (Assuan) and in some places
...al transparency in the ...titute of the Academy ... R. p. 133.
... brightness of twi... p. 188.
Merzelishvili, T. G. - Study of the earth's atmosphere using the twilight method in the Abastumani Astrophysical Observatory. p. 211.
Fesenkov, V. G. - Twilight method for studying the optical properties of the atmosphere. p. 214.
Ditse, G. - Polarization of airglow during twilight as an indicator of the intrusion of cosmic dust. p. 236.
Kashina, V. I. - Dustiness of the surface layer of atmospheric air in the desert and semidesert regions of Central Asia and Kazakhstan p. 115.
Kozlova, K. I. - Preliminary results of the studies of astroclimate in Kazakhstan. p. 122.
Plaskovskaia-Fesenkova, E. V. - Determination of the atmospheric polarization considering multiple scattering. p. 133.
Toropova, T. P. - Measuring light polarization in fog. p. 144.
Boiko, P. N. - Effect of the properties of the underlying surface on the polarization of scattered light of the sky. p. 149
Stamov, D. G. - Special significance of the polarimetric method as compared to the actinometric and diaphanoscopic methods in determining and studying the turbidity of the earth's atmosphere p. 163.

Vol. 4, 1963. Issledovanie astroklimata i opticheskikh svoistv atmosfery v Kazakhstane [Study of the astroclimate and optical properties of the atmosphere in Kazakhstan].

Table of contents translated

Introduction. p. 3.
Dzhakusheva, K. G., and others. - Study of the astroclimate of the Alma-Ata region. p. 5.
Kozlova, K. I. - Results of studying the astroclimate of southern Kazakhstan. p. 49.
Torpova, T. P. - Calibration curves for determining the overall water vapor content of the atmosphere by the spectroscopic method. p. 69.
Kolomiets, G. K. - Brightness distribution over the daytime cloudless sky in the ultraviolet spectral region. p. 80.
Boiko, P. N., Khalitonova, G. A. - Polarization of the sky and atmospheric transparency. p. 85.
Pavlov, V. E. - Indicatrix of light scattering in the earth's atmosphere in the ultraviolet spectral region. p. 93.
Livshits, G. Sh. - Absorption of light in the atmosphere in the visual spectral region. p. 102.
Livshits, G. Sh. - Scattering of light in the atmosphere for an anisotropic underlying surface. p. 109
Livshits, G. Sh. - Calculating the intensity of light scattered in the atmosphere of the spherical earth. p. 114.

* ASTRONOMICHESKII ZHURNAL [ASTRONOMICAL JOURNAL] Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, vol. 40, no. 5, Sep.-Oct. 1963

Table of contents translated:

Baier, V. N., Khriplovich, I. B. - Neutrino radioactivity and its role in astrophysical processes p. 785.
Moroz, V. I. - Emission of Orion nebula in the 0.65-1.7μ wavelength range. p. 786.
Dibai, E. A. - Origin of cometary nebulae p. 795
Khromov, G. S. - Role of light pressure in the dynamics of planetary nebulae p. 799.
Doroshkevich, A. G., Zel'dovich, IA. B. - Development of perturbations of arbitrary form in a homogeneous medium with low pressure. p. 807.
Chebotarev, G. A. - Gravitational spheres of the planets, moon, and sun. p. 812.
Murasheva, M. S., Sitnik, G. F. - Absolute measurements of solar energy in the 3382-10000 Å spectral region p. 819.
Zheleznikov, V. V. - Frequency spectrum of the slowly varying component of solar radio emission. p. 829.
Pikel'ner, S. B., Gintsburg, M. A. - Mechanism of type-2 bursts of solar radio emission p. 842.
IAkovkin, N. A., Zel'dina, M. IU. - Spectrophotometric investigation of four bright prominences. p. 847.
Ruben, G. V. - Problem of boundary conditions on the surface of stellar models p. 855.
Gorbatskii, V. G., Nikitin, A. A. - Nitrogen and oxygen abundance in envelopes of novae. p. 865
Zasov, A. V. - Photometric distances to galaxies and the red shift p. 868.
Klimov, IU. G. - Screened galaxies and an experimental test of the general theory of relativity. p. 874.
Fesenkov, V. G. - Table for the reduction of photometric observations of zodiacal light for the effect of tropospheric scattering p. 882.
Kuprevich, N. F. - New data on the structure of the moon's surface p. 889.
Arkhipova, V. P. - Dispersion of absolute magnitudes of P Cygni-type stars. p. 897.
Sharov, A. S. - Revision of interstellar light absorption in the Galaxy. p. 900.
Straizhis, V. - Reddening lines in the U, B, V system p. 912.
Omarov, T. B. - Motion of two bodies with corpuscular radiation p. 921
Golovina, L. A. - Influence of atmospheric dispersion on photographic positions of stars. p. 929
Loginov, P. P. - Possible influence of lateral refraction on the results of observations. p. 944.
Sharov, A. S., Efremov, IU. N. - Brightness variation of the object identified with the radio source ZS 273. p. 950.
Orlov, M. IA., Rodrigues, M. G. - Spectrum of nova Hercules 1963. p. 952
Kuz'minykh, V. D., Sitnik, G. F. - Facula-photosphere contrast in the λ λ6700-21000 Å region. p. 954
Bespalov, A. V. - New determination of orbital elements of seven visual binaries Rst 2338, λ 143, I 83, h 4707, λ 264, R 297, Resell 321. p. 956.

LVOV. UNIVERSYTET. Astronomicheskii otdel. Trudy. TSirkuliar [UNIVERSITY. Astronomical Observatory. Transactions. Circular]. No. 39/40, 1963

Table of contents translated

Klimishin, I. A., Bazilevich, V. M. - Some problems of statistic processing of the catalog of stellar polarization of star light. p. 4.
Klimishin, I. A. - Calculating discontinuities in parameters at the front of a stellar shock wave. p. 11.
Klimishin, I. A. - Probability of a quantum transition in a medium with a moving boundary. p. 31.
Vavryniuk, R. F. - Observations of bright variable stars. p. 22.
Dul'tsev, A. T. - V 733 Aquilae. p. 11.
Kapko, IA. T. - V 336 Aquilae. p. 11.
Kapko, IA. T. - V 342 Herculis. p. 17.
Kapko, IA. T. - BE Monocerotis. p. 54.
Olinyk, G. T. - Observations of six minima of eclipsing variable stars. p. 60.
Fridel', IU. V. - Observations of BC Herculis. p. 70.
Fridel', IU. V. - AQ Lyrae. p. 73.
Kozak, P. P. - Investigating polarization characteristics of a solar telescope and diffraction spectrograph. p. 78.
Kozak, P. P., Kopystianskii, A. A. - Investigating the double-diffraction spectrograph at the Lvov Astronomical Observatory. p. 81.
Eigenson, M. S., Mandykina, T. L. - Structure of solar low-latitude active zones. p. 85.
Eigenson, M. S. - Anomaly of present weather conditions and the centennial cycle of solar activity. p. 92.
Eigenson, M. S. - Characteristics of the [illegible] on the earth. p. 95.

REFERATIVNYI ZHURNAL. ASTRONOMIIA (Otdel'nyi vypusk 51) [JOURNAL OF ABSTRACTS. Astronomy (Separate Issue 51)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 11, Nov. 1963

TASHKENT. ASTRONOMICHESKAIA OBSERVATORIIA. TSirkuliar [ASTRONOMICAL OBSERVATORY. Circular]. Nos. 319-322, Jan., May, July 1963

c. BIOLOGY

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Biologicheskie nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Biological Sciences] Erivan, vol. 16, no. 7, July 1963

Table of contents translated:

Karapetian, S. K. - Outstanding Soviet physiologist. p. 3.
Eganian, A. K. - Effect of some factors on the efficiency of azotobacterin. p. 11.
Aleksandrian, S. S. - Survival of facultative pathogenic and pathogenic bacteria in some peats of Ar... p. 27.
Mnatsakanian, A. A. - Effect of the amino alcohols of diethanolamine, choline and dimethylethanolamine on the secretion and chemistry of bile. p. ...
Afrikian, B. L., Manukian, S. A., Pchelintsev, ... - Effect of leaving grapevines uncovered in autumn on the carbohydrate metabolism in grape shoots. p. 41.
Arustamova, F. A. - Hypotensive effect of motherwort growing in Azerbaijan under conditions of chronic experimental hypertonia in animals. p. 47.
Volynskii, IU. D., and others. - Characteristics of the systolic phase of the right ventricle in patients with acquired heart defects. p. 53.
Grigorian, G. E. - Effect of the injury of the gray column of the spinal cord on motor and food-conditioned reflexes. p. 63.
Adamian, M. S. - Ecology of the nightingale Luscinia gutturalis Guer. in the Armenian S.S.R. p. ...
Melikian, N. M., TSovian, Zh. V. - Characteristics of the formation of the vegetative cones of the ... eyes in the Sevan region and the Ararat Valley. p. 85.
Golodets, R. G., Denisova, E. A., Ponizovskaia, ... - Fubromegan for the treatment of vascular ... disturbances in occupational diseases. p. 9...
Fortunatov, I. K. - "Forests of agricultural importance and their management" [in Armenian] by S. M. Marukian. p. 99.

AKADEMIIA NAUK SSSR. Izvestiia. Seriia biologicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Biological Series]. Moscow, vol. 28, no. 4, July-Aug. 1963.

Table of contents translated:

Skriabin, K. I. - Current problems of helminthological science and practice at the present stage of development p. 497.

Shikhobalova, N.P., Leikina, E.S. - Some problems of immunity in helminthology. p.504.
Nuzhdin, N.I., Dozortseva, R.L., Samokhvalova, N.S. - Dependence of the frequency of the formation of chromosome aberrations on radiation intensity and the physiological condition of barley seeds. p.514.
Shmidt, G.A. - Conditions and methods of the displacement in time of embryonal primordia. p.526
Belyi, N.D. - Reproduction of bream (Abramis brama (L.)) in reeds in the lower part of the Dnieper River p.547.
Shreder, V.N. - Biochemistry of nucleic acid metabolism of spermatozoa in relation to the problems of sex determination in mammals. p.555.
Zholkevich, V.N. - Some problems of bioenergetics. p.562.
Sanygin, G.A., Matveeva, N.M. - Protective effect of solutions during the freezing of plant tissues. p.574.
Filippov, L.A., Fulga, I.G. - Water balance of periodically fruiting apple trees. p.588.
Afanas'ev, P.V., IAkovlev, V.G. - Some problems of the theory of spot seeding. p.594.
Bogdanova, V.P. - Chemical composition of bark juice of the host plants of lac insects. p.605
Kocherezhkin, V.G. - For the further development of biological science and its better implementation in practice. p.613
Aleksandrov, V.IA. - Excitation of living cells as a displacement of the steady state of open systems p.621.
Leikina, E.S., Mozgovoi, A.A., Shumakovich, E.E. - Scientific Conference of the All-Union Society of Helminthologists. p.630.
Shcherbinovskaia, T.N. - Jubilee session of the General Assembly of the Department of Biological Sciences dedicated to the one-hundredth anniversary of the birth of Academician V.I. Vernadskii. p.635.
Bogdanov, A.A., Shakulov, R.S. - The 19th Bach Lecture. p.637
Shcherbinovskaia, T.N - A.N. Bach prize. p.638

Vol.28, no.5, Sep.-Oct. 1963.
Table of contents translated:
Pelve, IA.V. -V.I. Vernadskii and the study of the biological role of microelements in the life of plants, animals, and man. p.641.
Vlasiuk, P.A., and others. - Differential centrifugation of plant cell structures with regard to their microelement content. p.653.
Kuznetsov, S.I. - Biogeochemistry of sulfur. p.668.
Liubimov, V.I. - Fixation of molecular nitrogen by cell-free preparations from microorganisms. p.681.
Krasil'nikov, N.A., Melkumova, T.A. - Variability of nodule bacteria inside the nodules of leguminous plants. p.693.
Sokolova, V.E. - Toxicity of chlorogenic acid and its derivatives, caffeic and quinic acids, with respect to the fungus Phytophthora infestans. p.707.
Molotkovskii, IU.G., Moriakova, V.F. - Role of nucleic acids and protein in induced chlorophyll biosynthesis. p.719.
Glushchenko, G.I. - Some characteristics of the embryology of Scopolia carniolica. p.724.
Ushatinskaia, R.S., Petrova, D.V. - Physiological characteristics of Colorado beetle (Leptinotarsa decemlineata Say). p.735.
IUganov, E.M., Kas'ian, I.I., Astamolov, B.F. - Bioelectric activity of skeletal muscles under the conditions of alternating action of overloading and weightlessness. p.746.
Mishustina, N.E. - Characteristics of mineral nutrition in corn. p.755.
Mikhailova, L.N. - Electron microscope observations on the process of chondrogenesis during the regeneration of tubular bones. p.763.
Kocherezhkin, V.G. - Problems of chemicalization in animal husbandry. p.768.
Boris Konstantinovich Shishkin; an obituary. p.775.
Lychova, S.I. - Second Congress of the All-Union Microbiological Society. p.779.
Award of the I.I. Mechnikov Prize. p.781.
Award of the I.I. Mechnikov Gold Medal. p.782.

AKADEMIIA NAUK SSSR. Institut mikrobiologii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Microbiology. Transactions]. Moscow, no.11, 1961. Mikroorganizmy i effektivnoe plodorodie pochvy [Micro-organisms and the effect of fertility of soils].
Table of contents translated:
Mishustin, E.N. - Biological methods for increasing the effective fertility of soil. p.3.
Berezova, E.F. - Heterotrophic nutrition of plants. p.17.
Samtsevich, S.A. - Effect of environmental conditions on the interrelations between soil micro-organisms and higher plants. p.24.
Khristeva, L.A. - Physiological role of humic acids and some vitamins in the life of higher plants p.34
Nikitin, D.I. - Conditions determining the activity of the decomposition of humic acid by bacteria. p.41.

Rakhno, P.Kh. - Stimulating mixtures and their effect on soil micro-organisms and plants p.46.
Voznikovskaia, IU.M. - Stimulation of plant growth by epiphytic microflora p.56.
Firsanova, A.N. - Rhizosphere microflora in the ontogeny of agricultural plants p.63.
Rempe, E.Kh. - Effect of root microflora on the growth and development of plants p.71.
Obraztsova, A.A., Petrenko, M.B., Klishchevskaia, M.S. - Participation of rhizosphere micro-organisms in the nutrition and development of agricultural plants grown in deep Chernozem soil. p.81
Emtsev, V.T. - Biology of nitrogen-fixing bacteria of the genus Clostridium and the nutrition of plants p.91
Bernard, V.V. - Conditions for the viability of Azotobacter in turf-Podzolic soils. p.102.
Petrenko, G.IA. - Factors influencing the results of symbiotic interrelationships of Azotobacter with higher plants p.111
Shtina, E.A. - Participation of soil algae in the nutrition of plants. p.130.
Shemakhanova, N.M. - Importance of individual components of forest soil for the development of pine and oak seedlings. p.139.
Runov, E.V., Enikeeva, M.G. - Rhizosphere microflora of woody plants growing in Chernozem soils of the dry steppe. p.150
Kalnins, A. - Relationships of various nodule bacteria strains of clover in the rhizosphere during the formation of nodules. p.162.
Razumovskaia, Z.G., Fan' IU'-liu [Fan Yun-liu]. - Active and inactive nodules of legumes p.169.
Petrosian, A.P. - Species and characteristics of nodule bacteria found in the exposed soils of Lake Sevan. p.177
Zaremba, V.P. - Characteristics of the interrelationships of nodule bacteria with the microflora of sainfoin seeds. p.186.
IAkovleva, Z.M. - Some characteristics of nodule bacteria in symbiosis. p.196.
Klincare, A. - Interrelations between the nodule bacteria of alfalfa and micro-organisms in the rhizosphere of perennial grasses. p.202
Borodulina, IU.S. - Lyophilized cultures of nodule bacteria, their activity and virulency. p.211.
Geller, I.A., Dobrotvorskaia, K.M. - Phosphatase activity in the soils of sugar beet areas. p.215.
Naumova, A.N. - Mineralization of phosphorus organic compounds by rhizosphere and soil bacteria. p.222.
Gurfel', D.B. - Decomposition of sparingly soluble phosphorus compounds by bacteria from the genus Pseudomonas. p.233.
Menkina, R.A. - Role of Bacillus megaterium var. phosphaticum in the nutrition of plants. p.238
Kruglov, IU.V., Sirota, L.B. - Effect of root microflora on the uptake of phosphorus by plants. p.246.
Kudzin, IU.K., IAroshevich, I.V. - Mobilization of organic phosphates in Chernozem soils and the phosphorus nutrition of plants. p.252.
Tomashevskaia, E.G., Manzon, V.D. - Effect of micro-organisms on the solubility of phosphorite meal and the ammination of its phosphorus by plants. p.260.
Surman, K.I. - Decomposition of phosphorus compounds, sparingly available to plants, by silicate bacteria. p.269.
Panosian, A.K., Marshavina, Z.V., Arutiunian, R.Sh. - Effect of metabolites of some soil micro-organisms on the growth and development of plants p.275.
Smalii, V.T. - Formation of biologically active substances by the bacteria of wheat rhizosphere. p.284.
Gebgardt, A.G. - Role of micro-organisms in the accumulation of vitamins in soils and their absorption by plants. p.292
Bershova, O.I. - Effect of microelements on the formation of heteroauxin and the dehydrase activity of some rhizosphere micro-organisms. p.301.
Muromtsev, G.S. - Results of the investigation of the production and use of gibberellin. p.308.
Shkliar, M.Z. - Effect of the metabolic products of Fusarium moniliforme on the germination of seeds and the growth of plants. p.318.
Izrail'skii, V.P., Ryzhkova, A.S., Rozanova, L.I. - Effect of gibberellic acid on kidney beans treated with nitragin. p.327.
Khudiakova, IU.A., Zueva, I.N. - Absorption and activity of gibberellin in soils. p.335.
Afriklan, E.G., Bobikian, R.A. - Formation and distribution of vitamin B_{12} in soil. p.341.
Babaian, G.B., Karagulian, S.A. - Effect of fertilizers on the effectiveness of gibberellin. p.346.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Izvestiia [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Bulletin] Novosibirsk, no.8, 1963. Seriia biologo meditsinskikh nauk [Series in the Biological and Medical Sciences], no 2
Table of contents translated.
Kurentsov, A.I. - Problem of the Bering land bridge in zoogeography. p.3.
Sobolevskaia, K.A. - Pleogenetic method in plant introduction p.14.
P'iavchenko, N.I. - Methods for interpreting the spore-pollen spectra of Holocene p.25
Nomokonov, L.I. - Some methodological problems of biocenology. p.34
Al'tergot, V.F., Volgina, K.P., Andronova, M.P. - Transformation of phosphorus compounds in plants under the influence of high temperatures. p.44.
Isaeva, L.N. - Wood moisture of growing Siberian pine trees. p.51.
Nechaev, A.P., Nechaev, V.A. - Role of birds in spreading seeds of the Amur cork tree. p.55.
Chumakova, R.I. - Relation between bioluminescence and respiration in bacteria. p.62.
Maksimov, A.A., Nikolaev, A.S. - Zonal characteristics of the Ob' floodplain during spring and summer flood periods. p.68.
Solonevskaia, A.V. - Algae in the Ob' River and Novosibirsk Reservoir. p.79.
Levadnaia, G.D. - State of phytobenthos in Novosibirsk Reservoir under the conditions of a normal backwater level p.85.
Chernikova, Z.V. - Chemical nature of biologically active substances of Kaufmann-Wolff Epidermophyton. p.91.
Salganik, R.I., Trukhachev, A.A. - Effect of deoxyribonuclease on the multiplication of adenoviruses in tissue culture. p.95.
Morozkin, N.I., Khersonskaia, R.IA. - Clinic testing of deoxyribonuclease in adenovirus conjunctivitis p.102.
Alekseeva, G.V. - Acid mucopolysaccharides of embryonic connective tissue under conditions of the deficiency and excess of thyroid hormones in the organism of a chicken embryo p.108.
Shabalin, I.N. - Foliar feeding of irrigated spring wheat with nitrogen fertilizers in the Kulunda Steppe. p.113.
Vasil'chenko, G.V. - Snow and the wintering of roots of fruit and berry crops. p.116
Noskova, A.A. - Oligochaetes of the Posol'sk shoal of Lake Baikal. p.118.
Popova, N.K., Il'inchenok, R.IU., Sergievskii, V.S. - Role of monoamine oxidase inhibition in the antiarrhythmic effect of iprazid. p.121.
Sukhenko, F.T. - Proteolytic enzymes of Microsporum ferrugineum Ota 1922 and Microsporum lanosum Sabouraud 1907. Report No 3. p.123.
Buteiko, K.P., Demin, D.V. - Cross-correlation analysis of physiological functions. p.127.
Fedorov, A. - Soil quality and productivity increase of a farm. p.130.
Pobedimova, E.G., Sergievskaia, L.P. - In memory of Boris Konstantinovich Shishkin (1886-1963). p.132.
Iurlov, K.T., Zolotarenko, G.S. - Second Conference of the Zoologists of Siberia. p.134.
Popova, T.G., Kuminova, A.V. - Scientific Coordination Conference on the Studies of Vegetation of Siberia and the Far East. p.136.
Grinevich, M.A., Uvarova, N.I., IUdin, A.M. - Symposium on Eleutherococcus and ginseng. p.139.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Limnologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Limnological Institute. Transactions]. Moscow, vol.1(21), pt.2, 1963. Biologiia bespozvonochnykh Baikala, Tendipedidae, Cyclopoida [Biology of the invertebrates of Lake Baikal, Tendipedidae, Cyclopoida].
Table of contents translated.
Linevich, A.A. - Biology of biting midges of the family Tendipedidae. p.3.
Mazepova, G.F. - Biology of the pelagic crustacean Cyclops kolensis Lill. in Lake Baikal. p.49.

AKADEMIIA NAUK SSSR. Ural'skii filial. Sverdlovsk. Institut biologii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch. Institute of Biology. Transactions]. Sverdlovsk, no. 34, 1963.
Contents: Pavlinin, V.N. [Tobol'sk sable; its morphological outline, and the problem of interspecific hybridization] Tobol'skii sobol', areal, ocherk morfologii, problema mezhvidovol gibridizatsii. 111 p.

AKADEMIIA NAUK URSR. Kiev. Instytut zoologii. Pratsi [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Zoology. Transactions]. Kiev, vol.17, 1961.
Table of contents translated:
Preface. p.3.

Puchkov, V. H. - Predatory hemiptera of the U S S R useful for agriculture and forestry. p. 7.
Zelinska, L. M. - Injurious insects in the groves of the Black Sea Preserve. p. 19
Lobzynenko, V. M. - Ecologic and faunistic review and the local distribution of cicadas (Homoptera - Auchenorrhyncha) in the Ukrainian part of the Carpathians. p. 30.
Lobzynenko, V. M. - New species of the cicadas of the genus Psammotettix (Homoptera, Jassidae) from Solonchaks of the southern Ukraine. p. 51.
Mamontova-Solukha, V. O. - Plant lice of the genus Cavariella del Guercu (Homoptera, Aphidoidea) in the Ukrainian S.S.R. p. 54
Mamontova-Solukha, V. O. - New plant lice (Homoptera, Aphidoidea) in the U.S.S.R. and in the Ukrainian S.S.R. p. 66
Mamontova-Solukha, V. O. - New species of the plant lice Anthracosiphon galli sp. nov. (Homoptera, Aphidoidea) from the Ukrainian part of the Carpathians. p. 63.
Puchkov, V.H. - Leaf bugs (Heteroptera, Miridae) in Poltava Province. p. 71.
Puchkov, V. H. - Ecology of little-known hemiptera in the European part of the U.S.S.R. Report No. 2. p. 86
Ivermolenko, V.M. - Description of the male sawfly Fenella nigrita Westwood, 1814 (Hymenoptera, Tenthredinidae) from the juniper forests of the Ukrainian part of the Carpathians. p. 94.
Ivermolenko, V.M. - Feeding of the imago of the Adela sawfly Schizotenyx consobrina Klug (Hymenoptera, Tenthredinidae) with the juice of leaves and flowers of Ficaria verna Huds. p. 96.
Osynchuk, H. Z. - Studying fauna and ecology of bees in western Polesye of the Ukraine. p. 99.
Osynchuk, H. Z. - Distribution of bees (Apoidea) in different landscapes of the Ukrainian part of the Carpathians. p. 108.
Puchkova, L. V. - Leaf miners and gall insects in the middle Dnieper Valley. p. 118.
Puchkova, L. V. - Venation of posterior wings of water and shore bugs. p. 124.
Puchkova, L. V. - Statistical analysis in mowing and some other methods for determining the population of insects. p. 132

AKADEMIIA NAUK URSR, Kiev. Zoologichnyi muzei. Zhirnyk prats' [ACADEMY OF SCIENCES OF THE UKRAINIAN S S R. Zoological Museum. Collected Papers] Kiev, no 32, 1963. Materialy do vyvchennia fauny Ukrainy [Materials on the study of the Ukrainian fauna]

Table of contents translated

Pidoplichko, I.H. - Materials on the study of the fauna of lesser mammals based on regurgitated food remains. p. 3.
Sokur, I.T. - New materials on the study of the lesser mammals of the Ukraine. p. 29.
Markov, G., Tatarynov, K.A. - Mammals of Stara Planina and the Ukrainian Carpathians. p. 43.
Marysova, I.V. - Observations on the arrival of some species of birds in Ternopol' Province. p. 50.
Hlushchenko, V.V. - Characteristics of the distribution of blood parasites of birds with regard to the ecology of the hosts. p. 57.
Fedorenko, I.O., Sabinevs'kyi, B.V. - Bird lice of gulls nesting on islands of the Tendra Bay of the Black Sea. p. 64
Bilokrys, L.S. - Conditions governing the existence and development of mollusks in the Borysthenes Bay in the Sarmatian age. p. 73.
The brothers S.D. and O.D. Lubkin. p. 92.

JOURNAL].
shchestvo
48

Golubev, V.N. - Methods for determining the absolute yield of the aerial part of grasses in the meadow steppe. p. 1338.
Matienko, B.T. - Microcarpology of the gourd family; anatomy of the fruits of squirting cucumber and balsam apple. p. 1346.
Ivanskaia, E.N. - Mechanical principles of plant structure as exemplified by some alpine saxifrages. p. 1353.
Dar'ev, A.S. - Morphologic and anatomic structure of the cotyledons of some species of cotton. p. 1355.
Daletskaia, T.V. - Possible causes of the physiological dwarfishness of embryos. p. 1361.
Berkhin, IU.I. - Anatomy of the vegetative organs of two tetraploid species of wheat. p. 1368.
Kiseleva, K.V., Razumovskii, S.M. - Some principles of the distribution of the flora by plant communities. p. 1373.
Zhukova, G.IA. - Qualitative composition of the plastid pigment complex of the green embryos in horse beans. p. 1380.
Tolibekov, D. - Photochemical reaction of the transformation of xanthophylls in a reconstructed system. Report No. 2. p. 1383.
Khalin, G.A. - Effect of the conditions of hardening on the frost resistance of forage grasses. p. 1385.
Popova, T.A. - Phenological development of Liliiflorae in Central Kazakhstan. p. 1389.
Popov, A.A. - Microassociations in a cowberry-Polytrichum larch forest of the central Amur lowland. p. 1394.
Gorchakovskii, P.L. - "Fundamentals of the study of the ranges of plants, introduction to the chorology of plants" by A.I. Tolmachev. p. 1398.
Omarov, D.S. - IAroslav Ivanovich Prokhanov, on his 60th birthday. p. 1401.
Sokolov, V.S., Medvedev, P.F. - Seminar on new silage forage plants. p. 1404.

EESTI NSV TEADUSTE AKADEEMIA. Toimetised, Bioloogiline seeria. Izvestiia Akademii nauk Estonskoi SSR. Seriia biologicheskaia [ACADEMY OF SCIENCES OF HTE ESTONIAN S.S.R. Bulletin. Biological Series] Tallinn, vol. 12, no. 2, 1963.

IUNYI NATURALIST [YOUNG NATURALIST]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and Central Council of the All-Union Lenin Pioneers]. Moscow, no. 2, Feb 1963

Table of contents translated:

Zaglada, N. - Greatest honor on earth. p. 1.
Zaitsev, N. - Tracks in a desert. p. 3.
Stepanov, V.N., Kuloshina, Z.M. - In the travel rucksack of the detachment. p. 6.
Maleev, E.A. - Dragon from Komodo Island. p. 8.
Il'in, Viktor. - Secret of a green berry. p. 11.
Korneshov, L., Chashcharin, B. - Those who meet the sun. p. 13.
Solianik, IU. - Thus captains are born. p. 16.
IAkobi, V. - To fly like a bird. p. 20.
Elagin, Vladimir. - Snow-suckling pig or the story of melted snow. p. 22.
Sakharnov, S. - The world is great, the world is interesting: Piranha. p. 25.
Sumerel, E. - Timka's pigeons, a story. p. 26.
Fedotov, V. - On the White Sea. p. 28.
Our contest "Giant ear." p. 30.
Morozova, S. - Library for youth. p. 31.
Club of the young astronauts. p. 32.
It so happens that... p. 35.
Sushkina, N.N., Kachaev, IUrii. - A naturalist's notes. p. 36
Bobneva, N. - Treasure chest of Father Frost. p. 38.

LOODUSUURIJATE SELTS. Faunistilisi markmeid [NATURALISTS' SOCIETY. Faunistic Notes]. Tartu, no. 1/2, 1961. [In Estonian]

MOSCOW. UNIVERSITET. Vestnik. Seriia 6: Biologiia, pochvovedenie [UNIVERSITY. Review. Series 6: Biology, Soil Science]. Vol. 18, no. 6, Nov.-Dec. 1963.

Table of contents translated:

Tiuremnov, S.N. - Methods for studying vegetation. p. 3.
Ionova, V.A. - Methodology of studying the daily feeding periodicity of young fishes. p. 8.
Elizarov, IU.A. - Study of chemoreception in insects and ticks; electrophysiological study of chemoreception in ixodid ticks. p. 16.
Stroganova, N.S. - Characteristics of spermatogenesis in some bivalve mollusks (Unio, Anodonta, Mya). p. 25.

Sokolov, V.E., Volkova, O.V. - Morphological structure of the tongue of saiga. p. 35.
Artamonova, I.K. - Morphological and phytocenotical systematics of Poa longifolia Trin. p. 44.
Vasil'evskaia, V.D., Kautkova, V.A. - Mycorrhiza in the soils of Kaluga Province. p. 54.
Ogloezneva, V.V. - Effect of various factors on the yield and hardiness of alfalfa. p. 60.
Index of articles and materials published in the journal "Vestnik Moskovskogo universiteta, seriia 6, biologiia, pochvovedenie" for 1963. p. 74.

MOSKOVSKOE OBSHCHESTVO ISPYTATELEI PRIRODY. Trudy. Otdel biologicheskii [MOSCOW SOCIETY OF NATURALISTS' SOCIETY. Transactions. Biological Section]. Moscow, vol. 7, 1963. Pervichnye mekhanizmy biologicheskogo deistviia ioniziruiushchikh izlucheniia [Primary mechanisms of the biological action of ionizing radiations].

Table of contents translated

Korogodin, V. - Foreword. p. 5.
Tarusov, B.N. - Introductory remarks. p. 7.
Shekhtman, IA.L. - Direct and indirect effect of radiation on biological systems. p. 9.
Ardashnikov, S.N. - Relative role of the direct and "indirect" oxygen effect in the primary mechanism of the biological action of ionizing radiation. p. 15.
Manoilov, S.E. - Injury of metal-containing proteins as a primary manifestation of the biological action of penetrating radiation. p. 30.
TSeitlin, P.I., and others. - Study of the reactivity of DNA on the molecular level. p. 42
Shal'nov, M.I. - Correlation between the data of radiation chemistry of polynucleotides and their precursors and some radiobiological effects. p. 49
Pasynskii, A.G. - Discussion on papers read at sessions of the first day of the symposium. p. 57
Tarusov, B.N. - Kinetics of the primary cytological reactions of radiation injury. p. 66
Emanuel', N.M. - Role of free radicals in radiobiological processes and some new possibilities of developing means against radiation injury. p. 73
Kudriashov, IU.B., Mal'tsev, V. - Primary biochemical substances in radiation injury of animals, free radicals of oxidized oleic acid. p. 84.
Zhuravlev, A.I. - Lipid model of radiation injury and antiradiation prophylaxis. p. 93
Romantsev, E.F. - New data on the mechanism of protective action. p. 102.
Benevolenskii, V.N. - Development of radiation autolysislike process in radiation injury. p. 111
Burlakova, E.V., Parkhomenko, I.M. - Effect of autolytic processes on the electrical parameters of tissues in irradiated animals. p. 119.
Kriger, IU.A. - Radiation aftereffect in cells. p. 116.
Polivoda, A.I., Sekamova, E.N. - Localization of primary reactions of radiation injury in microscopic tissue structures. p. 123.
Khamaide, L.L., Mochalina, A.S. - Authoradiophylactic substances in internal and external irradiation of animals. p. 127.
Manoilov, S.E. - Discussion on papers read at sessions of the second day of the symposium. p. 132.
Astaurov, B.L. - Functional principle in the evaluation of the relative significance of radiation injuries of the nucleus and cytoplasm, and general theory of radiation sickness. p. 140
Timofeev-Resovskii, N.V. - Hit principle in radiobiology. p. 162.
Luchnik, N.V. - Interaction between ionizing radiations and living substance and the nature of reactions of the latent period. p. 174.
Korogodin, V.I. - Role of the ploidy factor in radiation injury of cells and some genetic effects of radiation. p. 181.
Vaiti, K.V. - Study of the successive effect of X rays and temperature on the frequency of mutations and roentgenomorphoses. p. 189.
Zakharov, I.A., Inge-Vechtomov, S.G. - Effect of X rays and high temperature on the cytogenetic process. p. 194.
Tikhomirova, M.M. - Study of the aftereffect of X rays on the primary nondisjunction of X chromosomes. p. 198.
Izmozherov, N.A. - Effect of polyploidy on the radiation injury of wheat cells. p. 203.
Poriadkova, N.A. - Mechanism of the moisture effect on the radiosensitivity of seeds. p. 207.
TSarapkin, L.S. - Effect of protective substances applied after radiation on the frequency of chromosome aberrations. p. 213.
Ardashnikov, S.N. - Discussion on the papers read at the sessions of the third day of the Symposium. p. 218.
Tarusov, B.N. - Closing remarks. p. 230.

PRIMENENIE MATEMATICHESKIKH METODOV V BIOLOGII [USE OF MATHEMATICAL METHODS IN BIOLOGY] Issued by Leningradskii gosudarstvennyi universitet [Leningrad State University] Leningrad, no. 2, 1963

Table of contents translated

In memory of L. S. Kaminskii p. 3
Terent'ev, P. V. - Third Conference on the application of mathematics in biology p. 5
Terent'ev, P. V. - Teaching biometry at the Leningrad University p. 12.
Rokitskii, P. F. - Measures for intensifying the biometric training of the students of biology at the White Russian State University. p. 18.
Polikarov, L. E. - Objectives and methods of teaching the elements of mathematical statistics to physicians of therapeutic and prophylactic institutions, experimenters, and workers of medical laboratories p. 21.
Kaminskii, I. S. - Russian biometric nomenclature (statistical terminology). p. 26

Smirnov, L. V. - Model study of biological phenomena p. 33.
Alekseeva, V. D. - Analysis of self-regulation phenomena in the phytocenosis as related to some theories of cybernetics. p. 37
Gurevich, B. Kh. - Behavior and cybernetics p. 47
Krushinskii, B. I., Makarov, P. O. - Problem of double signalization in the model study of nervous activity p. 52
Varshavskii, V. I. - Mathematical theory of neuronal networks p. 60.
Sokhikov, V. P. - Synthesis of perceptive units (perceptrons) and the physiology of sense organs. p. 67.
Neifakh, A. A. - Quantitative evaluation of the role of the "internal" and the "external" in the development p. 73.
Gubler, E. V. - Use of electronic computers in analyzing the pathological process in man p. 78
Shmidt, V. M. - Correlative structure of the characters of some species and forms of Odontites Zinn (Family Scrophulariaceae). p. 81
Paulina, F. I., Golubev, A. A. - Use of the method of correlative groups of isotopes for discovering the relation between the physicochemical properties of substances and their toxicity. p. 90.
Vasbin, I. N. - Correlative analysis of physiological processes. p. 94.
Chetsov, V. P. - Factor analysis and its use for studying the relation of some anthropometric characters of Russians and Buryats p. 100.
Zarubin, F. N., Kalinin, O. M., Taleva, T. A. - Theoretical information coefficient of correlations and its use in the statistical analysis of anthropometric data p. 107
Plamenitskii, T. I., Dol'nik, V. R. - Methods of quantitative evaluation of the mutual influence of various species of birds during migration. p. 110
Mchedlidze-Maklai, K. V. - Use of biometry in paleontology (study of fossil Foraminifera). p. 118.
Vel'dre, S. R. - Statistical verification of the counting method in the quantitative analysis of plankton samples. p. 124.
Vislov, A. V. - Development of aquatic phases and the formation of the prediapause state in female mosquitoes of the genus Culiseta. p. 132.
Zenov, A. I., Gulin, V. V. - Statistical regularities in the behavior of fishes. p. 140.
Ilev, V. S. - Parameters characterizing the levels of energy metabolism in animals p. 146.
Liubishchev, A. A. - Quantitative evaluation of similarity p. 152.
Kalinin, O. M. - Mathematical theory of marking. p. 161.
Urbakh, V. Iu. - Statistical method of erythrocytometry using an electronic device. p. 170.
Lushnik, N. V. - One of the possible applications of the theory of probability to radiation cytogenetics. p. 177.
Kaplan, B. G., Gurvich, V. E. - Multiple use of mathematical methods in the electrophoretic investigation of the protein composition of blood under normal and pathological conditions. p. 183.
Tarin, A. M. - Statistical methods for studying the speed of blood circulation. p. 191.
Butchenko, L. A., Vol'nov, N. I. - Statistical methods used in working out norms for the evaluation of the electric heart systole. p. 196
Zhvliuk, Iu. N., Frantsevich, L. I. - Mode of the dose-reaction" interdependence. p. 202.
Prozorovskii, V. B. - Analysis of the lethality curve and the simplest method of drawing a probit diagram. p. 206.
Lichnik, N. V., Livchak, IA. B. - Interpretation of the "time-effect" curves. p. 212
Leviant, S. M. - Methods for working out norms of the physical development of children. p. 225.
Plokhinskii, N. A. - Index of a breeding bull and the error of its representativeness. p. 230.
Grasimov, Iu. A. - Censusing moose in Moscow Province from an airplane and the verification of results by the methods of mathematical statistics. p. 234.

RADIOBIOLOGIIA [RADIOBIOLOGY] Issued by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.] Moscow, vol. 2, no. 6, 1962.

Table of contents translated

Polivoda, A. I., Sokamova, E. N. - Extremely weak luminescence (450-700 mμ) of surviving and homogenized liver tissue in normal conditions and following the action of ionizing radiation. p. 801.
Popov, A. S. - Oxidation of thymine and valine and radiation injury in Infusoria. p. 811.
Leonov, B. V. - Change in the antibodiative activity of tissue culture, strain Nor-2 after external gamma irradiation. p. 819.
Kolgodin, V. I., Karabtev, E. M. - Effect of the conditions of cultivation after radiation on the effectiveness of gamma irradiation of diploid and haploid yeast. p. 824.
Tambiev, A. Kh. - Recovery of yeast soon after irradiation. p. 831.

Elkina, N. I. - Proteins in the blood serum of rabbits and dogs affected by plutonium p. 834.
Shakhidzhanian, L. G. - Degree of contamination and the characteristics of the distribution of radioactive cesium in the body of man and domestic animals under natural conditions p. 838.
Shepshelevich, L. L., Rogacheva, L. S. - Distribution of radioactive vitamin B_{12} in the plasma and organs of rats in acute radiation sickness. p. 843.
Pushnitskii, A. D. - Effect of prolonged irradiation with Co^{60} on hemopoiesis, stimulated by loss of blood. p. 847.
Lagutina, N. IA. - Study of the blood coagulation system in acute radiation sickness after the transplantation of bone marrow. p. 855.

Nesterin, M. F., Smirnov, K. V. - Disorders and restoration of the activity of the digestive system in experimental radiation sickness. p. 859
Kashchenko, L. A. - Radiation injury of the mechanism of ovulation in frogs. p. 866.
Kauten, D. R., Lebedev, K. A., Stefani, D. V. - Production of homologous bone marrow chimeras in guinea pigs. p. 873.
Meizerov, E. S. - Effect of total chronic irradiation with Co^{60} on conditioned food reflexes in white rats p. 878.
Korchenkin, V. I., Raeva, N. V. - Electrocardiographic analysis of the reactivity of the heart to adrenaline in dogs after acute radiation sickness caused by total X-ray irradiation. p. 883.

Kalinina, N. A. - Reparative processes after X-ray irradiation in antenatal period of development. p. 891.
Smirnova, I. B., Shapiro, I. M. - Cytological analysis of changes in the epithelium of the mucous membrane of the small intestine of mice induced by total X-ray irradiation. p. 897.
Koretkova, V. P., Stashkov, A. M. - Chemical prophylaxis of radiation injuries in different species of animals. p. 903.
Tolkacheva, E. N., Bregadze, I. F. (Nenarokova). - Characteristics of the action of some protective substances in the irradiation of isolated cells in mammals p. 907.

Zherebchenko, P. G. - Radiation protection with indole, its derivatives and some other compounds in vitro. p. 912.
Revis, V. A. - Incorporation of methionine S^{35} into the proteins of bone marrow and spleen in acute radiation sickness and the effect of bone marrow transplantation on this process. p. 919.
Siui Chen'-Man' [Hsu Chen Wan], Khvostova, V. V. - Effect of fast neutrons on the development of winter wheat PPG-186. p. 926.
Berezina, N. M., and others. - Effect of ionizing radiation on morphological changes in plants. p. 931.
Gak, D. Z. - P^{32} accumulation in various components of a body of water. p. 938.

Khmeleva, N. N. - Accumulation of radioactive isotopes of strontium, calcium, yttrium and cerium in amphipods. p. 944.
Kholin, V. V., Luk'ianov, V. P., Barkova, A. M. - Determination of the integral absorbed dose in animals irradiated with X rays. p. 947.
Srb, V., Kvetina, IA. - Changes in the reactivity of an irradiated organism. p. 950.
Table of contents of the volume. p. 953.

REFERATIVNYI ZHURNAL: BIOLOGICHESKAIA KHIMIIA (Otdel'nyi vypusk 30i) [JOURNAL OF ABSTRACTS BIOCHEMISTRY (Separate Issue 30i)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 22, Nov. 1963.

REFERATIVNYI ZHURNAL. BIOLOGIIA [JOURNAL OF ABSTRACTS: BIOLOGY] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Moscow, no. 22, Nov. 1963.

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly, biologicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools, Biological Sciences] Moscow, no. 4, 1963.

Table of contents translated

Marxism-Leninism, the banner of Soviet science p. 7
Kasinova, V. B. - Transport of India ink particles into regenerating blastema in oligochaetes as related to the problem of neoblast migration. p. 11
Gudkova, L. S. - Relation between the length and the weight of the body in some higher crustaceans p. 13
Khomutov, I. P. - Gamasid mites of some rodents and entomophagous mammals in Bryansk Province p. 17.
Rubykh, L. V. - Fauna and ecology of mosquito larvae of the genus Aedes in Voronezh Province p. 20
Belianina, T. N. - Fecundity of Oncorhynchus keta in the Amur River. p. 24
Lavina, N. I., Denisov, V. P., Lebedeva, L. A. - Manifold differences in adjacent physiogeographical regions in the Stratos area of the trans-Volga region p. 31.
Dobrovina, V. P. - Ascorbic acid and glutathione content in the organism of Musca domestica L. in different stages of oogenesis. p. 39.
Udel'nov, M. G., Fedorova, A. P. - Work of the muscle trabecula as related to its initial length. p. 43.
Dobronravova, O. P. - Effect of temperature on the functional state of receptors in cold-blooded animals p. 49
Gusel'nikov, V. I., Do Kong Khun', Rychev, V. D. - Representation of visual, auditory and somatosensory analyzers in the telencephalon of the pigeon. p. 51
Fotiia, B. I. - Neural substratum of epileptiform audiogenic reactions in rats p. 62.
Rusin, V. IA. - Increase in the resistance of animals to overloads at great accelerations under the action of some stimulants, vitamins and hormone preparations p. 69.
Silant'eva, K. G. - Effect of rations with a different protein content and other nutritive substances on the secretory activity of the mammary gland in cows. p. 74.
Kriger, Iu. A., Valuson, A. A. - Change in the electric resistance of erythrocytes under the action of gamma rays. p. 80.
Fedorova, G. V. - Absorption and liberation of radiocarbon (C^{14}) by fishes p. 84
Shapiro, F. B., Zheltikova, N. N. - Functional state of testes in mice exposed to gamma irradiation during embryonal development p. 90.
Golova, T. P. - Fruit of wormwood occurring as weeds in the U. S. S. R. p. 95.
Kaden, N. N., Lanovaia, V. P. - Morphology of the gynoecium and the fruit of geranium p. 101.
Palamarchuk, I. A. - Structure of spikelet glumes and flowering glumes in male and female inflorescences of corn. p. 110.
Shatalina, M. S. - Characteristics of the distribution of rhododendrons in the Teberda Preserve p. 116
Khvalina, N. IA. - Vegetation of the Sakmara River basin in the second half of Upper Pleistocene. p. 122.
Sokolova, V. A. - Wooded-steppe vegetation in the southwestern part of Ryazan Province p. 127.
Troffimov, T. T. - New species of Sorbus for landscape gardening p. 132.
Garibova, L. V. - Physiology of nutrition of the cultivated mushroom Agaricus bisporus Lange. Report No. 1. Carbon nutrition p. 137.
Loginova, L. N. - Some characteristics of the respiration of semi-immersed plants p. 141
IAgodin, B. A. - Effect of manganese, cobalt, and zinc on the intensity of photosynthesis and chlorophyll accumulation in the leaves of tomatoes and cabbage. p. 146.
Andreenko, S. S., Alekhina, N. D., Shishova, E. D. - Effect of the pH of the medium on amino acid metabolism in corn plants. p. 152.
Cheremisinov, N. A., Vandysheva, N. I. - Effect of microelements on the growth, development, and disease resistance of corn. p. 157.
Satvev, U. Sh. - Effect of the methods of sowing on the yield, growth dynamics, and seed quality of forage beans. p. 159
Baranova, I. P., Egorov, N. S. - Effect of some organic acids as the only source of carbon and their combinations with hydrocarbons on the development of Actinomyces aureofaciens and chlortetracycline formation. p. 162.
Finogenova, T. V. - Vitamin B_{12} formation by proactinomyceles of the genus Nocardia. p. 167.
Skripnikov, IU. G. - Squash breeding and seed production. p. 170.
Vladimirskaia, E. M. - Relation between the productivity of farm animals and the sex ratio in their progeny. p. 174.

Mikle, S., Merku'eva, E. K. - Fetal hemoglobin in cattle. p. 178.

B 13 -131

Evstrat'eva, T. L., Vasil'eva, V. D. - Content of some microelements in complex Chernozem soils of the Kuban Valley. p. 182

Ul'yanchuk, I. S. - Humus of gray forest soils of the hardwood forest zone. p. 185

Korenevskaya, V. F., Filippova, L. S., Zvyagintsev, D. G. - Studies on the recultivation of lands pitted with quarries. p. 192.

Sokolova, L. M., Rychkov, G. V. - Determination of chloride ion in the soil by the polarographic method. p. 196

Lyubimov, B. G. - Introduction to biology, by V. I. Pursov. p. 198

Table of contents of the journal "Nauchnye doklady vysshei shkoly" (Scientific Reports of the Higher School), series "Biologicheskie nauki" for 1963. p. 202

SUKHUM BOTANICHESKII SAD. Trudy [BOTANICAL GARDEN. Transactions] No. 14, 1962

Table of contents translated

Vasil'ev, A. V. - Introduction of subtropical plants of northeastern China into eastern and western Georgia, plant introduction resources of the Tapa Shan. p. 3

Odishariya, F. IU. - Characteristics of the growth of species and their phenologic cycle. p. 27

Poliakovskii, A. A. - Pontic flora of Pitsunda. p. 37

Dzhaliashvili, K. I. - Study of the fungus diseases of Diphandrium macropodum Mig. in Sukhumi. p. 59

Vachadze, V. N. - Pests of the flowering plants of the Black Sea region of Georgia (Abkhazia) and their control. p. 67

Terchinskaya, T. N. - Annual lianas in vertical landscaping of the coastal belt of Abkhazia. p. 75

Medzmariashvili, I. D. - Study of the tuberous root of garden anemone. p. 85

IAbrova-Poliakovskaia, V. S. - Classification of garden chrysanthemums. p. 91

Ratiani, V. K. - Hornbeams of the Pliocene flora of the Kodor Range. p. 103

Chechua, T. A. - Some little-known flowering plants of the family Iridaceae. p. 113

Arkvab, K. P. - Growth and development of the vegetative organs of different forms of bay laurel. p. 115

IAkovlev-Poliakovskaia, V. - In memory of Mikhail Vasil'evich Kopylov. p. 125

UKRAINS'KYI BIOKHIMICHNYI ZHURNAL [UKRAINIAN BIOCHEMICAL JOURNAL]. Published by Instytut biokhimii Akademii nauk URSR [Institute of Biochemistry of the Academy of Sciences of the Ukrainian S. S. R.]. Kiev, vol. 34, no. 2, 1962

Table of contents translated

Lipkan, M. F., Barabol, V. A., Lukashova, R. H. - Changes in the amount of nucleic acids in the organs of rats under the influence of X irradiation and the prophylactic action of propyl gallate. p. 167

Kanchukh, A. A., Zaplatina, S. I., Basova, N. N. - Nucleoproteins of a virulent strain of the plague microbe. p. 176

Hulyi, M. F., and others. - Mechanism of enzyme activation with the interaction of purified proteins. p. 187

Martynenko, F. P. - Some properties of crystalline α-glycerophosphate dehydrogenase from rabbit muscles. p. 199.

Poliakova, N. M., Lishko, V. K. - Isolation and purification of brain proteinase. p. 208

Kotomichenko, M. A. - Change of tyrosine, tryptophan and histidine under the action of ionizing and light radiation. p. 217.

Kheruvimova, V. A. - Ammonia, glutamic acid and glutamine in the brain in ontogeny under the influence on the organism of oxygen under pressure. p. 230.

Haisyns'ka, M. IU., Utievs'kyi, A. M. - Effect of catechol amines on oxidative processes under normal conditions and in experimental hypertension. p. 237.

Makarevych-Hal'perin, L. M., Ushenko, S. N. - Effect of estrogens in the organism of ovariectomized animals on certain enzymes of carbohydrate metabolism. p. 245

Birenbaum, A. M. - Interaction of certain microelements (manganese, molybdenum, cobalt) and ascorbic acid in the organism of albino rats. p. 253.

Chechotkin, O. V. - Chemical composition of the tissues of hybrid chickens and chickens of the parent breeds of various ages. p. 262.

Popova, N. K. - Effect of muscular activity on the cholesterol content of the liver. p. 270.

Semenenko, H. I., Krasyl'nikova, L. O., Korzhenko, IU. P. - Amount of nucleic acids and some other phosphorous compounds in early and late varieties of spring wheat. p. 275.

Malashenko, IU. R. - Quantitative elution of paper chromatograms in glass capillary tubes. p. 286.

Belitser, V. A. - Macrostructure and denaturation of proteins. p. 290.

VSESOIUZNOE GIDROBIOLOGICHESKOE OBSHCHESTVO. Trudy [ALL-UNION HYDROBIOLOGICAL SOCIETY. Transactions]. Moscow, vol. 13, 1963. Gidrobiologicheskie raboty na vodoemakh Sovetskogo Soiuza [Hydrobiological studies in the bodies of water of the Soviet Union]

Table of contents translated:

Zenkevich, L. A., Reznichenko, O. G. - Petr Ivanovich Usachev (1892-1962). p. 5

Shcherbakov, A. P. - Plankton productivity in Lake Glubokoye. Report No. 3. Planktonic Protozoa. p. 13.

Vasil'eva, G. L., Kozhova, O. M. - Plankton of Irkutsk Reservoir. p. 25.

Shniagina, G. I. - Changes in the zooplankton of the Posol'sk shoal and adjacent shallows of Lake Baikal in May-August of 1960 and 1961. p. 56

Vershinin, N. V. - Noril'sk lakes and their bottom fauna. p. 63

Vengtinskii, D. L. - Studying the food supply of the whitefish Coregonus peled in the bodies of water of the Vilyuy Lowland. p. 73

Kosova, A. A. - Monodacna colorata Eichw. in the lower part of the Volga River. p. 84.

Mokeeva, N. P. - New data on the phytoplankton of the middle course of the Amur River. p. 90.

Gorbunov, K. V. - Dynamics of the development of microbiological processes in the bodies of water of the lower part of the Volga Delta. p. 94.

Ulonskii, S. N. - Development of phytoplankton in lakes and reservoirs of the Urals and the Ural region. p. 126.

Romanova, N. N. - Feeding habits and feeding relationships of bottom invertebrates in the northern part of the Caspian Sea. p. 146.

Zheltenkova, M. V. - Characteristics of the feeding habits and food relationships of fishes in the Sea of Azov before and after the regulation of the Don River. p. 178

Lyskova, V. N. - Feeding habits of three- and four-year-old whitefishes in Lake Baikal. p. 210.

Toporkov, I. G., Tugarina, P. IA. - Feeding habits of young whitefishes of Lake Baikal during their first two years. p. 217.

Volkova, L. A. - Materials on the biology of young whitefishes in Lake Baikal. p. 225

Antipova, N. L. - Fluctuations in the abundance of Melosh species in the plankton of Lake Baikal. p. 235.

Shkorbatov, G. L. - Acclimatization of coregonid fishes in the bodies of water of Kharkov Province. p. 242.

Toporkov, I. G. - Biology of young whitefishes of Lake Baikal. p. 255

Dul'keit, G. D. - Stocking with fish Lake Blandu-Kol' in the northeastern Altai. p. 267

Beklemishev, K. V. - Some hydrologic concepts used in studying pelagic populations of the oceans. p. 274.

ZHURNAL OBSHCHEI BIOLOGII [JOURNAL OF GENERAL BIOLOGY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 24, no. 1, Jan.-Feb. 1963.

Table of contents translated:

Graevskii, E. IA. - Theoretical aspects of chemical protection of mammals from ionizing radiations. p. 3.

Manukhin, B. N., Bulnikov, G. A. - Serotonin in the embryogenesis of marine invertebrates. p. 23.

TSinovskii, IA. P., Egina, K. IA., Strazdinia, A. A. - Utilization of morphological characteristics in the forecast of plant pests. p. 30.

Chilingarian, A. A., Magakian, IU. A. - Comparative study on the early stages in the development of Peking and Muscovy ducks and their hybrids. p. 43.

Matoushek, I., and others. - Preparation of immune serums for determining the group antigens in the blood of red and white cattle. p. 50.

Domareva, O. P. - Second International Congress on Radiation Research. p. 64.

Ginsburg, G. I. - Autoradiographic study on thymidine-H³ inclusion in the process of oogenesis. p. 71.

Zalkovskaia, N. E. - Effect of alkaloids on meiosis and fertilization of the ovule of sugar beets and the effectiveness of such actions in producing polyploids. p. 74.

d. CHEMISTRY

AKADEMIIA NAUK SSSR. Komissiia po analiticheskoi khimii. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Commission on Analytical Chemistry. Transactions]. Moscow, vol. 14, 1963. Ekstrakisionnye metody v analiticheskoi khimii [Extraction methods in analytical chemistry].

Table of contents translated:

Nazarenko, V. A. - Use of extraction for determining small amounts of elements. p. 3.

Rudenko, N. P. - Isolation of carrier-free [illegible] topes by extraction with organic solvents. p. 14

Alimarin, I. P., Zolotov, IU. A., Shcherbova, V. V. - On coextraction phenomenon. p. 23

Nikolaev, A. V. - Application of physical [illegible] analysis for extraction processes. p. 31

Komarov, E. V., Pushlenkov, M. F., Shorygin, [illegible] M. P. - Factors determining the distribution of inorganic acids between aqueous and organic phases. p. 47.

Krasnov, K. S., Rashkina, L. D., Matsnaeva, K. B. - Thermodynamics of the extraction of associates as exemplified by the extraction of triphenylmethane dye salts. p. 60

Mikhailov, V. A., Khar'chenko, S. K., Nesterova, [illegible] - Extraction equilibria and the theory of electrolyte solutions. p. 76

Iorish, M. V., Kurina, N. V. - Distribution [illegible] of electrolytes as a function of both the concentration of the activity coefficients of the ions. p. [illegible]

Markov, V. K. - Calculation of the volumes of elution agents and of the height of partition chromatographic columns (on the number of theoretical plates) for separation of substances by chromatography and extraction. p. 89.

Tananaiko, M. M. - Extraction of ferrous [illegible] (salts of organic bases with acid complexes of metals). p. 114

Zhivopistsev, V. P., and others. - Extraction and determination of some chloranilic acid derivatives of diantipyrylmethane. p. 133.

Nemodruk, A. A. - Extraction of uranium(VI) acetate with aniline and its solubility in [illegible] solvents. p. 141

Babko, A. K., Shevchuk, I. A., Bezlepkina, I. F. - Extraction of halide complexes of bismuth. p. 145

Poluektov, N. S., Ovchar', L. A. - Extraction of rare-earth elements as ternary anthraquinol complexes. p. 154.

Babenko, A. S., Tolmachev, V. N. - Comparative extractibility of nitrato-thiocyanate complexes of some metals. p. 160

Peshkova, V. M., Mel'chakova, N. V., Pen A. - Study of zirconium and hafnium complexes [illegible] with β-diketones by the partition method. p. [illegible]

Umatenko, IU. I., Vedash, N. P. - Manganese dithiocarbamate in nonaqueous solvents. p. [illegible]

Byr'ko, V. M. - Extraction of metal complexes of pyrazolidinethiocarbamates. p. 191.

Lavrukhina, A. K., Ilkhina, I. V., Khorol'skaia, Z. V. - Extraction of rare-earth elements [illegible] manium with 8-hydroxyquinoline. p. 207

Babko, A. K., Zharovskii, I. G. - Extraction [illegible] tometric analysis. p. 218.

Serdiuk, L. S., Stitch, U. F., Smirnova, V. N. - Extraction-photometric determination of [illegible] lanthanum with alizarin S. p. 371

Kristaleva, L. D., Kristalev, P. V. - Extraction-photometric determination of trace amounts of arsenic. p. 379.

Patel, P. N., Nemodruk, A. A., Davydov, A. V. - Automatic extraction-photometric method for determination of uranium. p. 391.

Skorokhod, O. R., Tishchenko, I. G., Nesterova, [illegible] - Extraction-photometric determination of [illegible] num by means of 2-(4-N-piperidino)-hexyl-4-hydroxytetrahydro-3-furanone. p. 399

Savostina, V. M., Peshkova, V. M. - Determination of small amounts of nickel and cobalt with [illegible] extraction. p. 398.

D'iachenko, N. P., Chulko, V. T. - Determination of ultrasmall zinc impurities in salts of [illegible] by the use of the dithizone method. p. 405

Strol'nikova, N. P. - Extraction of dithiophosphates in the analysis of various materials [illegible] the metallurgical production. p. 405

Grishina, O. N., and others. - Synthesis of [illegible] esters of alkylphosphinic acids and testing [illegible] extractive properties. p. 312.

* KINETIKA I KATALIZ [KINETICS AND CATALYSIS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 4, no. 4, July-Aug. 1963.

Table of contents translated

Vasil'ev, G. K., Tal'roze, V. L. - On the [illegible] the accumulation of stabilized radicals [illegible] p. 497.

Denisov, E. T. - Kinetics of consumption of an inhibitor introduced at the start of oxidation reaction. p. 508.

Kushner, V. P. - Use of radioactive mercury for investigating free radicals in solution. p. 517

Farberov, M. I., Mironov, G. S. - Industrial analysis of carbonyl monomers based on Mannich reaction. Part 3. Study of the kinetics of some [illegible] tial syntheses. p. 526.

Zaitsev, P. M., Tur'ian, IA. I., Zaitseva, Z. V. - Polarographic study of the kinetics and the mechanism of protolytic reactions underlying [illegible] aci-tautomeric conversions of nitrocyclohexane. p. 534.

dimov, B N., Fok, N.V., Voevodskii, V V. - Photochemical decomposition of alcohols at low temperatures. Kinetics of methyl alcohol decomposition. p 539.

dyrev, V.V., Medvinskii, A A - Possible quantum mechanical interpretation for the classification of thermal decomposition reactions in solids. p 549.

lin, IU.N., and others. - Formation of radicals in the radiolysis of solid organic substances. Part 2 Yield of radicals in benzene and biphenyl derivatives. p. 557.

lodets, G.I. - Entropy of an active complex in the hydrogenation of ethylene on metals p 561.

kin, M.I., Morozov, N.M., Shapatina, E N - Kinetics of ammonia synthesis reaction carried away from equilibrium. Part 2. p. 565.

simurskii, K.B., Morozova, R.P. - Induction period in homogeneous catalytic reactions involving hydrogen peroxide. p. 571

adev, N N., Gus'kov, K.A - Reactions involving α-oxides Part 3 Kinetics of secondary reactions in the interaction between ethylene oxide and acetic acid. p 581.

inskii, K.S , Kogan, G.A., Entelis, S.G. - Kinetics of styrene dimerization in aqueous sulfuric acid. Part 2 Kinetic regularities and the mechanism of styrene dimerization. p 589

rnov, V.A , Antipina, T.V. - Kinetics of cumene cracking on aluminum oxide activated with boron fluoride p. 595.

rlaev, I.IA., Gusakova, L.A. - Variations in the activity and composition of chromia-alumina catalysts during their regeneration. p. 601.

ydova, I.R., Kiperman, S.L., Nikolaeva, N.V. - Kinetics of isopropyl alcohol dehydrogenation in the liquid phase. Part I. p. 605.

inskii, N.G., and others. - Hydration of tertiary amylenes in the presence of a KU-2 cation exchanger and accompanying reactions. p. 614.

goraki, V.I., Kasatkina, L.A. - Influence of the conditions of zinc oxide preparation with indium and gallium additions and without them on the catalytic properties in the reaction of homomolecular exchange with oxygen isotopes. p. 620.

shtein, A.I., Shcheglova, G.G., Khomenko, A.A - Vapor-phase catalytic conversions of acetylene. Part 3: Kinetics and the mechanism of vapor-phase hydrochlorination of acetylene over catalysts such as chlorides of Hg (II), Cd, Zn, Bi. p. 625.

dbev, V.S., Kirgintsev, A.N., Panchenkov, G.M. - Equation for the output curve of equilibrium sorption in a continuous flow of the substance adsorbed by an adsorbent. p 635.

chkovskii, F.S., Shilov, A.E., El'terman, L.I. - Rate of reaction between ethyllithium and alkyl chloride as a function of C - Cl bond energy. p. 644.

lev, A.V., Nikitin, IU.S. - Effect of initial porosity on the nature of change in pore structure of aluminosilica gels and silica gels during their sintering p. 648.

dskii, A.M., Lavrovskii, K.P. - On the temperature limit for the effect of radiation on the rate of chemical transformations. p. 652.

ralova, G.A., and others. - Experimental evidence for branching in chain reactions involving molecular fluorine. p. 653.

IEV. UNIVERSITET. Trudy po khimii prirodnykh soedinenii [UNIVERSITY. Papers on the Chemistry of Natural Compounds]. No. 5, 1962

Table of contents translated:

nenko, V.G. - Nitrogen-containing substances in the fresh and dried vegetative matter of some plants. p. 3.

straub, I.A. - N-terminal amino acids of the globulins in some pea species. p. 15.

gina, R.I., Klimenko, V.G. - Variability in the content of proteins and nonprotein nitrogen-containing substances in seeds of some pea species in the process of ripening. p. 19.

nenko, V.G., Varenikova, T.V. - Variability of nitrogen-containing substances in the organs of peas in the process of ontogenesis. p. 27.

rak, M.N. - Variability of the chemical characteristics of the Caucasian mint (Mentha caucasica Brig) reproduced by seeds. p. 37.

ov, A.D. - Simple fraction collector with a time indicator. p. 45.

straub, I.A., Shutov, A.D. - Globulins in the seed of vetchling. p. 49

arte, V.S., Klimenko, V.G. - Study of salt-soluble proteins in the seeds of the millets Setaria moharium and S. italica by paper electrophoresis. p. 53.

zovikov, A.D. - Globulins in the seeds of broad bean (Vicia faba L.). p. 59.

nova, V.V., Berezovikov, A.D., Baranova, T.A. - Variability in the protein and nonprotein nitrogen content during the ripening of the seeds of some bean species. p. 63.

Alekseeva, M.V. - Study of salt-soluble proteins in the seeds of some representatives of Cucurbitaceae by paper electrophoresis. p. 69.

Gofman, IU.IA. - Suppression of the decomposition of bromophenol blue in a caustic soda solution. p. 75.

Gofman, IU.IA. - Determination of nitrogen by Kjeldahl micromethod. p. 79.

Gofman, IU.IA. - Multilayer holder for staining electrophoregrams. p. 85.

Isakova, R.S., Berezovikov, A.D. - Nitrogen-containing substances in the groats of tomato seeds. p. 87.

Nikolaev, A.G., Perebinos, S.M., Panutsa, L. - Variability of the chemical characteristics in Mentha sachalinensis. p. 93.

MOSCOW UNIVERSITET Vestnik Serila 2 Khimiia [UNIVERSITY Review Series 2: Chemistry]. Vol. 18, no 5, Sep -Oct. 1963

Table of contents translated:

Alimarin, I.P. - Latest advances in the determination of mixtures in pure substances. p. 3.

Adamenkova, M.D., Poltorak, O.M. - Catalytic properties of platinized silica gels as dependent on the conditions of their preparation. p. 12.

Tatevskii, V.M., Berdnikov, V.I. - Approximations in M.F. Mamotenko's formula for the energy of formation of bonds in a molecule adequately described by a single valence scheme. p. 17.

Kasimov, R.M., Akhadov, IA.IU., Shakhparonov, M.I. - Dielectric properties of acetone-nitrobenzene solutions in the superhigh-frequency range. p. 22.

Semiokhin, I.A., Lykova, L.K. - On certain properties of water-acetone solutions of potassium bicarbonate and carbon dioxide. p. 26.

Semiokhin, I.A., Lykova, L.K., Serenkova, A.G. - Use of water-acetone solutions of potassium bicarbonate for separating carbon isotopes. Part 2. p. 29.

Lapitskii, A.V., Bezrukov, V.I., Vlasov, L.G. - Interaction of potassium tantalate with salts of certain metals. p. 32.

Levina, M.E. - Phase transitions of sodium fluoberylates (Na_2BeF_4). p. 34.

Viting, L.M., Khominkov, K.G. - Interaction of ferrites with molten salts and metal oxides. p. 39.

Grigor'ev, A.T., Kuprina, V.V., Bernard, V.B. - Chromium-iron-cobalt alloy in the region of a chromium-based solid solution. p. 41.

Fadeeva, V.I., Alimarin, I.P., Ivanov, V.M. - Dissociation of chlorophosphonazo III of (2,7-bis)4-chloro-2-phosphonobenzolazo-(1,8-dihydroxynaphthalene-3,6-disulfonic acid. p. 44.

Efimov, I.P., and others. - Determination of the acid dissociation constants of β-diketones of the selenophene series. p. 49.

TSintsevich, E.P., Ivanov, V.M., TSabel', V.A. - Photometric determination of gallium in the presence of oxalate ions by means of 1-(2-pyridylazo)-resorcinol. p. 54.

Rudenko, A.P. - On the true and apparent activities of heterogeneous catalysts. p. 57.

Akimova, A.A., Akimova, L.N. - Behavior of some dipeptides in prolonged thermal extraction with organic solvents. p. 62.

Poddubnaia, N.A., Lavrenova, G.I. - Transformations related to the presence of a pyrimidine base in the albomycin molecule. p. 65.

Shvachkin, IU.P., Azarova, M.T., Rapanovich, I.I. - Interaction of uracil with derivatives of acrylic acid. p. 68.

Ivan Pavlovich Alimarin; on his sixtieth birthday. p. 70.

MOSCOW. VSESOIUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. Khimiia; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [ALL-UNION STATE LIBRARY OF FOREIGN LITERATURE. Chemistry, Classed Index of Articles in Foreign Periodicals]. No. 9(119), 1963.

UKRAINSKII KHIMICHESKII ZHURNAL [UKRAINIAN CHEMICAL JOURNAL]. Issued by Akademiia nauk URSR [Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 29, no. 8, 1963.

Table of contents translated:

Delimarskii, IU.K., Roms, IU.G. - Thermodynamic properties of $PbCl_2$ in ternary eutectic $PbCl_2$ - KCl - NaCl. p. 781.

Golub, A.M., Kostrova, R.A. - Thiocyanate complexes of chromium (III) in nonaqueous solutions. p. 784.

Golub, A.M., Samoilenko, V.M. - Effect of the nature of the solvent on the formation of thiocyanate complexes of tin (II). p. 789.

Gorenbein, E.IA., Sukhan, V.V., Abarbachuk, I.L. - Interaction of $SnBr_4$ with AlBr and of $SbCl_3$ with $AlCl_3$ in nitrobenzene as solvent. p. 797.

Krlukov, A.I., Nazarova, L.V. - Spectra and photochemistry of alcohol solutions of trivalent iron salts. Part 1: Absorption spectra of iron salts in methanol and ethanol. p. 806.

Krlukov, A.I., Nazarova, L.V , Dain, B.IA. - Spectra and photochemistry of alcohol solutions of trivalent iron salts Part 2 Photoreduction of iron (III) salts in alcohols. p. 812

Sheka, I.A., Lavrova, G.V - Determination of the number of electrons during indium reduction on a mercury electrode in citric acid solutions. p. 819.

Bernshtein, A.V., Barzam, V.I. - Effect of the electrokinetic properties of granite on the adhesion of bitumens p 824

Stukanovskaia, N.A., Golodets, G.I., Rzaev, P.B. - Analytical separation of a mixture of substances obtained in the catalytic oxidation of naphthalene. p. 827

Vlasiuk, N.V. - Overvoltage during electrolytic separation and solution of metals as a function of their physical properties. p. 828.

Kornev, K.A., Shrubovich, V.A., Cherniavskii, G.V. - Copolymerization of some derivatives of dihydronaphthalene and dihydroacenaphthene with maleic anhydride. p 840

Cherviakii, K.A., Zherebtsova, L.P., Korotun, L.S. - Kinetics of p-xylene catalyzed oxidation in the liquid phase. p. 842.

Serdiuk, L.S., Silich, U.F. - Reaction of yttrium with alizarin S and ammonia. p. 848.

Plainitskii, I.V., Khomenko, G.A. - Use of malic acid for masking the precipitation reactions of metal hydroxides and metal hydroxyquinolinates. p. 854.

Pavlinova, A.V., and others. - Rapid method for the volumetric determination of potassium p 857.

Gornyi, G.IA., Gavrilova, E.F. - Determination of the total content of rare earths in the presence of large amounts of other elements. p. 859.

Fortunatov, N.S., Slobtsov, L.E., Leont'eva, I.A - Countercurrent precipitation of copper germanate. p. 864.

Pavlenko, I.G., Griniuk, A.P. - Electrolytic treatment of lead in melts using a porous membrane. p. 868.

Gorenbein, E.IA., Fominskaia, A.A. - Molecular compounds of lithium halides with acetic acid. p. 874.

Serebriakova, T.I., Samsonov, G.V. - Boron thermal reduction method for obtaining borides. p. 876

Vas'ko, A.T. - Polarization during simultaneous electrodeposition of tungsten with other metals. p 878.

Ogniank, S.S. - Polarographic study of slags. Nickel and cobalt oxides. p. 881.

Gorodyskii, A.V., Panov, E.V. - Electric resonance in electrochemical cells. p. 883.

*ZHURNAL ANALITICHESKOI KHIMII [JOURNAL OF ANALYTICAL CHEMISTRY] Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 18, no. 7, July 1963.

Table of contents translated:

Poliak, E.A - Certain problems of the theory of titration. Report No. 2: Factors interfering with titrations in diluted solutions. p 788

Diatlova, N.M , Bikhman, B.I. - Complexons of certain metals with N,N,S-mercaptoethylaminotriacetic acid studied by the high-frequency titration method p. 796.

Ovechkin, G.V., Sandygailo, L.E. - Effect of the discharge energy and the plasma temperature on the relative intensity of the analytical pairs of lines of zinc and copper. p. 799

Baiandina, V.A., and others. - Quantitative evaluation of chromatograms with the aid of a detector of heat conductivity p. 808.

Vasilevskaia, A.E., Shcherbakov, V.P., Lovchenko, A.V. - Determination of small amounts of mercury in waters. p. 811.

Nikolaev, G.I , Aleskovskii, V.B. - Atomic-absorption micromethod for determining aluminum in pure metals and alloys. p. 816.

TSerkovnitskaia, I.A., E Zhu-TSziu [Yeh Ju-chiu] - Use of complexons for coulometric titration of thorium. p. 822

IAtsimirskii, K.B , Raizman, L.P. - Determination of zirconium and hafnium present together based on their catalytic action. p 829.

Gibalo, I.M., Alimarin, I.P., Davasdorzh, P. - Certain derivatives of dithiocarbamic acid as reagents for niobium. p. 835

Busev, A.I., Rudzit, G.P. - Complex diphenylguanidinium compounds of molybdenum with thioglycolic and thiomalic acids and their analytical application. p. 840.

Riabchikov, D.I., Borisova, L.V - Interaction of perrhenates with diphenylcarbazide and diphenylcarbazone. p. 851.

Mikhailova, Z.M., Mirskii, R.V., IArushkina, A.A. - Determination of bivalent and trivalent iron in difficultly decomposed rocks. p. 856.

Rudnev, N.A., Malofeeva, G.I. - Gravimetric determination of platinum, palladium, ruthenium, rhodium as $TlPtS_3$, $TlPd_2S_3$, $TlRu_2S_6$, $TlRh_2S_4$. p. 859.

Chepel', L.V., Chapyzhnikov, B.A., Viting, B.I - Radioactivation method for determining oxygen in some polymers. p 865.

Bel'kin, B. G., Bol'shakova, I. O. - Use of Warburg's manometric method for microdetermination of active hydrogen and catalytic hydrogenation p. 873

Terent'ev, A. P., Tubina, I. S. - Diazometric method of analysis. Report No. 2. Determination of phenols p. 880

Norkus, P. K. - Simultaneous determination of hypochlorite and chloramine T or chloramine B p. 884

Pohanish, N. G., Sekhniister, E. F. - Simple titrimetric methods for the determination of sorbic acid p. 888

Izbedeva, A. I., Pisarenko, I. S. - Microdetermination of methoxy groups in certain polyfunctional derivatives of xylitol and sorbitol p. 892

Bardyshev, I. I., Cherches, Kh. A., Meerson, L. A. - Quantitative analysis of resin acids p. 895

Tikhonov, V. N., Grachkina, M. IA. - Determination of sodium in chloride melts of the titanium production by a gravimetric zinc uranyl acetate method p. 900

Dolichman, E. N. - Determination of beryllium hydroxyfluoride and beryllium hydroxychloride in beryllium fluoride and beryllium chloride p. 903

Aleksandrov, A., Vasil'eva-Aleksandrova, P. - Photometric determination of bivalent tin with pirocatechol acid p. 905

Petrashen', V. I., Andrusimova, E. V., Agrinskaia, N. A. - "Analytical chemistry of molybdenum" by A. I. Busev p. 907

Zhukhovitskii, A. - "Gas chromatography in 1961" p. 908

Mikhail Tikhonovich Kozlovskii, on his sixtieth birthday p. 910

Vol 18, no. 9, Sep 1963

Table of contents translated

Babko, A.K., Danilova, V.N. - Methods for obtaining analytical uranium concentrates. p. 1036.

Tarasevich, N.I., Khlystova, A.D. - Effect of alkaline and alkaline earth metals on the background in the 3500 - 4200 A spectrum region. p. 1042.

Blank, A.B., Sizonenko, N.T., Bulgakova, A.M. - Extraction-photometric method for determining the sum of heavy metals by means of sodium diethyldithiocarbamate. p. 1046.

Smirnov, L.E., Natal'ina, V.N., Kuznetsov, R.I. - Rapid method for the determination of potassium in soil. p. 1051

Mustafin, I.S., Frumina, N.S., Agranovskaia, L.A. - Determination of gold in tungsten-based platings by means of variamine blue. p. 1054

Chupakhin, M.S. - Thermionic emission of lead on tungsten and rhenium p. 1059

Vdovenko, M.E. - Effect of the composition of a mixture of esters with ketones and alcohols on the separation of certain rare-earth elements by paper chromatography. p. 1063.

Butyushinskii, B. - Spectrophotometric study of the interaction of trivalent aluminum and hexavalent molybdenum ions with xylenol orange. Determination of aluminum and molybdenum in uranium. p. 1071

Stognii, N.I. - Determination of manganese dioxide in the presence of some reducing agents. p. 1075.

Kreimer, S.E., Tuzhilina, N.V., Lomekhov, A.S. - Use of C_7 - C_9 fatty acids for separating iron and copper from nickel. p. 1080.

Frantsevich-Zabludovskaia, T.F., Kalimanova, L.P., Sharafan, G.I. - Photometric determination of palladium. p. 1083.

Kuznetsova, N.N., Krauz, L.S. - Chemical-spectral method for determining impurities in metallic niobium p. 1090.

Busev, A.I., Babenko, N.L., Khoang Min'-tiau. - Extractive separation of selenium and tellurium and their subsequent photometric determination p. 1094.

Ganchev, N., Todorova, Cv. - Microquantitative determination of iodine ions and elementary iodine in iodine-iodide solutions p. 1134.

"Laboratory manual on the analysis of monomeric and polymeric organosilicon compounds" by A.P. Kreshkov and others. p. 1136.

Dedkov, Iu.M. - Conference on the methods of concentrating elements in analytical chemistry. p. 1138.

Nikitina, N.G., Rodin, S.S. - Moscow seminar on analytical chemistry. p. 1141

[ZHURNAL OBSHCHEI KHIMII [JOURNAL OF GENERAL CHEMISTRY] Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol 33, no. 8, Aug. 1963

Table of contents translated

June Plenum of the Central Committee of the CPSU and the objectives of science. p. I.

Mertslin, R.V., Tarasov, V.V., Nikurashina, N.I. - Characteristics of the layer separation field in ternary transition type systems. Part 3. p. 2435.

Mertslin, R.V., Nikurashina, N.I. - Characteristics of the layer separation field in ternary transition type systems. Part 4. p. 2440.

D'iakonov, I.A., Komendantov, M.I. - Reactions of aliphatic diazo compounds with unsaturated compounds. Part 23. Reaction of ethyl ester of diazoacetic acid with diphenylacetylene. p. 2448.

Mel'nikov, N.N., Khaskin, B.A., Shvetsova-Shilovskaia, K.D. - Organic insectofungicides. Part 70. Problem of thione-thiol isomerization of some esters of phosphorothioic and phosphorodithioic acids on their reaction with amines. p. 2456

Martynov, V.F., Belov, I.B. - Compounds containing a three-membered oxide ring. Preparation of N-substituted hydroxypyrazolidones. p. 2461.

Temnikova, T.I., Oshueva, N.A. - β-Hydroxy- and β-halocarbonyl compounds. Part 3. Preparation and study of some β-halocarbonyl compounds, analogs of neopentyl bromide. p. 2464.

Zagorevskii, V.A., Zykov, D.A. - Problem of the condensation of o-hydroxyacetophenone with diethyl oxalate. p. 2469.

Favorskaia, I.A., Gavrilovskaia, A.A. - Homologs of monovinylacetylene. Part 11. Dehydration of acetylenic alcohols 2,6-dimethyl-3-heptyn-5-ol, 2,2,6-trimethyl-3-heptyn-5-ol, and 2,2-dimethyl-5-ethyl-3-heptyn-5-ol. p. 2472.

Goncharova, I.N., Postovskii, I.IA. - Benzodiazine series. Part 4. Structure and hydrolysis of tetrazoloazidoquinazoline. p. 2475.

Sokolova, N.I., and others. - Aminoacyl derivatives of nucleosides. Part 6. Synthesis and properties of aminoacyl derivatives of deoxyribonucleosides p. 2480

Shvachkin, Iu.P., Syrtsova, L.A., Filatova, M.P. - Potential antimetabolites. Part 6. Synthesis of β-(4-hydroxy-2-pyrimidinyl)-alanine p. 2487.

Gracheva, E.P., and others. - Synthesis and transformations of substituted vinyl ethers. Part 13. Stereochemistry of the reaction of addition of thiols to tert-butylacetylene. p. 2493.

Gracheva, E.P., Laba, V.I., Shostakovskii, M.F. - Synthesis and transformations of substituted vinyl ethers. Part 14. Synthesis of α-tert-butylvinylalkyl sulfides and some of their properties. p. 2501.

Pudovik, A.N., Konovalova, I.V., Ishmaeva, E.A. - Reactions of the diene synthesis and addition of butadienephosphinic and butadienethiophosphinic esters p. 2509.

Laskina, E.D., Rudol'fi, T.A., Belov, V.N. - Coumarans, their synthesis and spectral studies. p. 2513.

Poliakova, A.A., Khmel'nitskii, R.A., Petrov, A.A. - Mass spectra and structure of organic compounds. ss spectra of some allene hydrocarbons idicals. p. 2518.

Lopatina, K.I. - Pyran series, ilated compounds. Part 3: -4-aminopiperidines. p. 2525

Ganushchak, N.I., Dombrovskii, of 1-arylbuten-2-yldiethylmalonic buten-2-ylacetic acids from s and sodium malonic ester,

Dombrovskii, A.V., Vislobitsitheses based on diene condensaethyl-4-arylanthraquinones,

ovskii, B.V., Mokhir, I.A. - f acetylenic synthesis. Part 2: and space configuration of rs of 1,3-dimethyl-4-acetyl-34.

d others. - Stereochemistry of is. Part 3: Space configuration mers of 1,2,5-trimethyl-4- l and their derivatives. p. 2540.

avlova, L.A., Venus-Danilova, ydrofurans. Part 11: 3,3-di- etylenyl-1-hydroxyphthalan.

Zapesochnaia, G.G., Sazycheva, I.A. skii, N.A. - Lipids. Part 20. anoic (lauric) acid p. 2547

Chistokletov, V.N., Tsvetkovskaia, A.I. A.A. - Addition of benzonitrile compounds. Part 4. Condensation of oxide with substances containing grouping. p. 2555.

Pudovik, A.N., Tarasova, R.I., Bel' Reactions of sodium diethyl thiophosphite with haloalkyl compounds. p. 2560

Nikitchenko, V.M., TSukerman, S.V. V.F. - Spectra and halochromism of and dinitro derivatives of the chalcone. p. 2563.

Slepteova, O.M., Grokhova, K.F., Kr Synthesis of unsaturated esters of acids. p. 2569.

Barkhash, V.A., Smirnova, G.P., Sta I.V. - Interaction of tetrahydrofurfuryl chloride in the presence of zinc dust p. 2570.

Prostakov, N.S., and others. - Synthesis of 2,5-dimethyl-4-alkylpyrazoles p. 2573.

Rubtsov, Iu.K., Magdesieva, N.N., Tu Synthesis of ω-(p-nitrobenzoyl) phene. p. 2577.

Rubtsov, Iu.K., Magdesieva, N.N., Ma Chemistry of selenophene. Part 11. alkylation of β-diketones of the p. 2578

Lavrushin, V.F., Dziuba, V.P. - α,β-unsaturated aromatic ketones analogs. p. 2581.

Grandberg, I.I., and others. - Pyrazole Chromatographic separation of and p. 2585.

Grandberg, I.I., and others. - Pyra Isopyrazole-pyrazole rearrangement

Vinokurov, V.G., and others. - Pyra Structure and tautomerism of hydroxy p. 2597

Zemzina, L.N., TSukervanik, I.P. - A aromatic compounds. Part V. Benzoylation, and acetylation of 2-methoxy p. 2605

Slovokhotova, N.A., and others. - Alkyl organotin salts of carboxylic acids.

Tkachenko, I.G., Dubel', O.N., Zol Oxides of some higher alkylchloramines

Prokhorova, V.A., Reikhsfel'd, V.O. silanes. Part 3. Synthesis hydrosilanes p. 2617.

Agafonov, I.L., Larin, N.V. - Cyclic acid esters under the effect of p. 2626.

Kuznetsov, E.V., Sorokina, T.V., Kaz Realkylation of bis- and tris(hydroxy phines. p. 2631.

Andrianov, K.A., Kurakov, G.A., Kl L.M. - Interaction of glycide ethers with organochlorosilanes. p. 2634.

Zhinkin, D.IA., Markova, N.V., Pol M.V. - Synthesis of mixed silazanes urated radicals at the silicon atom

IAkovlev, I.P. - Catalytic synthesis and ketones. Part 6: Synthesis of methyl propyl, and methyl phenyl p. 2640.

Shein, S.M., Ignatov, V.A. - Nucleophil tion in the aromatic series. Part 3. mechanism of the reaction of 1,2,4,5 benzene with sodium ethylate in an p. 2645.

Turitsyna, N.F., Il'inskaia, V.S. - Con p-dialkylaminobenzylidene derivatives 3-methyl-5-pyrazolone. p. 2650.

Turitsyna, N.F., Il'inskaia, V.S. - Synt substituted p-dialkylaminobenzaldehydes

Shokol, V.A., Derkach, G.I., Kisilenko, A.A. Ultraviolet and infrared spectra of dialkyl acylthioamidophosphoric and acylamidophosphoric acids and their derivatives. p. 2660.

Shein, S.M., Ignatov, V.A. - Nucleophil tion in the aromatic series. Part 4. mechanism of the reaction of 1,2,4,5 benzene with sodium alcoholates in an medium. p. 2667.

Levin, IA.A., Gul'kina, N.A., Kurkhtin, V.A. Condensed heterocycles. Part 3: Condensation of 3-amino-1,2,4-triazole with some β-keto esters. p. 2673.

Levin, IA.A., Kukhtin, V.A. - Condensed heterocycles. Part 4: Condensation of 3-amino-1,2,4-triazoles with diaceto- and dipropionitriles p. 2678.

Dubenko, R.G., Pel'kis, P.S. - Synthesis of derivatives of phenylthiocarbohydrazide-carbothiophenylamide. Part 2: Reaction of tives of phenylthiocarbazide-carbothiophenylamide with methylating agents and alkali. p. 2682

Ponomarev, A.A., Skvortsov, I.M., Kurkin 1-Azabicycles. Part 1: Hydroxymethylation compounds of the 1,2-dihydrodipyrrole series p. 2687.

Svein, S M., Ignatov, V.A. - Nucleophilic substitution in the aromatic series. Part 5 Kinetics of the reaction of 1, 2, 4, 5-tetrachlorobenzene with sodium alcoholates in a water-alcohol medium. p.2690.

Fabrichnyi, B.P., and others. - Synthesis of aliphatic amino acids from thiophene derivatives. Part 7 Preparation of some higher α-amino acids from 2-phenyl-4-thenyliden-5-oxazolones. p 2697.

Potapov, V.M., and others - Stereochemical studies Part 16 Optically active β-(3-indolyl) isopropylamine. p. 2702.

Zatsepina, N N., Tupitsyn, I.F., Efros, L.S. - Isotopic exchange of hydrogen in methyl derivatives of nitrogen heterocycles and their oxides. Part 1 α-picoline, quinaldine, and their N-oxide p.2705

Dokunikhin, N.S., Bystritskii, G.I. - Derivatives of benz[c, d] indoline. Part 9. 1-Amino-6-bromo- and 1-phenylamino-6-bromobenz [c.d] indolin-2-ones. p. 2712.

Dokunikhin, N.S, Bystritskii, G.I. - Derivatives of benz[c, d] indoline. Part 10· 1-Amino- and 1-arylaminobenz[c, d]indoline-2-thione. p. 2714.

Ermolaeva, V.G., Shchukina, M.N. - Pyridylthiazolylmethane series. Part 3· Synthesis and properties of 3-pyridyl-2'-thiazolylcarbinols p. 2716.

Lagupol'skii, L.M., Vishnevskaia, G.O., Kaganovskaia, M.I. - Analogs of syntomycin containing trifluoromethyl-, mercapto-, and trifluoromethylsulfoxyl groups. p. 2721.

Lutsenko, I.F., Baukov, Iu.I., Khasapov, B.N. - Esters of α-metalated carboxylic acids. Preparation of esters of trialkylstannyl- and trialkylgermanylacetic acid from esters of mercuri-bis-acetic acid. p. 2724.

Dokunikhin, N.S., Gaeva, L.A. - Derivatives of anthraquinone. Part 2 Mercuration and catalytic sulfonation of anthraquinone p. 2727

Rybalko, K.S. - Sesquiterpene lactones from whitish and Austrian wormwoods (Artemisia leucodes Ashrenk and A. austriaca Jacq.). p. 2734.

Nikonov, G.K., Ivashenko, A.A. - Chemical study of brimstoneswort (Peucedanum morisonii Bess). p. 2740

Nikonov, G.K., Veromei, R.K., Kuvaev, V.B. - Lactones from angelique fruits (Archangelica litoralis). p. 2744.

Salit, N.I., Sadykov, A.S. - Esters of citric and malic acids. p. 2746.

Kheifits, L.A., Shulov, L.M., Belov, V.N. - Terpene phenols. Part 12· Condensation of camphene and norbornene with p-cresol and transformations of condensation products. p. 2748.

Kheifits, L.A., Vitvezub, S.I. - Terpene phenols. Part 13· Condensation products of dihydrodicyclopentadiene with phenol. p. 2751.

Pudovik, A.N., Kuzovleva, R.G. - Reactions of nucleophilic reagents with vinylphosphinic and acetoxyvinylphosphinic acid esters. p. 2755.

Fedoseeva, N.V., Telesnina, T.R., Silaev, A.B. - Chemistry of polymyxin M. Part 7. Synthesis of peptides of L-α, γ-diaminobutyric acid. p. 2760.

Razuvaev, G.A., and others. - Reaction of diphenylmercury with toluene. p. 2764.

Zil'berman, E.N., Michurin, A.A. - Interaction of acid sulfate ester of β-hydroxypropionamide with alcohols. p. 2766.

Ol'dekop, Iu.A., and others. - Acyl peroxides. Part 2: Synthesis and properties of aliphatic nonsymmetrical diacyl peroxides with unbranched chains. p. 2771.

Matev, M.N. - New D-galactose formazans. p. 2775.

Kolosova, M.O., Stavrovskaia, V.I. - 2-Mercaptothiazole in the Mannich reaction. p. 2778.

Barmistrov, S.I., Ponomarev, N.V. - Alkylation of amines. Part 3 Alkylation of p-toluidine with isopropyl alcohol. p. 2785.

Durshtein, L.L., and others. - Structure of isomers of 1, 3, 5-tris(3, 3, 3-trifluoropropyl)-1, 3, 5-trimethylcyclotrisiloxane. p. 2789.

Andrianov, K.A., Khalduk, Ionel, Khananashvili, L.M. - Trisildiazoxane, a new inorganic heterocycle. p. 2790.

Zaigorodnii, V.S., Petrov, A.A. - Preparation of acetylenic tin hydrocarbons by the direct substitution of a tin-containing group for acetylenic hydrogen. p. 2791.

Favorskaia, T.A., Portnigin, Iu.M. - Synthesis of enyne hydrocarbons starting from acetylenic β-glycols. p. 2792.

Kostov, I., Ambrush, I. - Synthesis of 2-nitro-4-methoxyphenylalanine (methyl ether of 2-nitrotyrosine). p. 2792.

Dumitrescu, Z., Ambrush, I. - Selective protection of amino groups in 1, 5-diaminotetrahydronaphthalene. p. 2793.

Ioffe, B.V., Sergeeva, Z.I., Dervinskaite, K.M. - Aminonitrile cleavage of quaternary aldehyde hydrazonium salts. p. 2794.

Favorskaia, I.A., Auvinen, E.M. - Low-temperature diene synthesis. p. 2795.

Poliachenok, O.G., Novikov, G.I. - Saturated vapor pressure of metallic samarium. p. 2796.

Poliachenok, O.G., Novikov, G.I. - Dichlorides of rare earth elements. p. 2797.

Vol. 33, no 10, Oct 1963

Table of contents translated·

Galinker, I.S., Belova, N.A. - Thermal properties of aqueous solutions of cobaltous chloride in the range of temperatures up to 300° p 3119

Sergeeva, V.F., Rivina, E.A. - Effect of $C_5H_5NCH_3I$, $C_5NC_2H_5I$, and $C_5H_5NC_2H_5Br$ on the solubility of benzoic acid in water p 3122

Tuulmets, A.V., Parts, E.O., Ploom, L.R. - Thermal effects of the reaction of methyl- and ethyl magnesium bromide with some ketones p 3124

Mal, L.A. - Regularities in the change of acidity and basicity in the homologous series of α, ω -bifunctional compounds. Part 3 Dependence of the acidity of polar ω-substituted aliphatic n-carboxylic acids on the dielectric constant of the solvent p 3126.

Shvachkin, Iu.P., Berestenko, M.K - Potential antimetabolites. Part 9· Substituted pyrimidyl-4-alkanecarboxylic esters p 3132

Rabinovich, M.S., and others - Study of the precursors and fragments of antibiotics Part 9 Carbonyl and tricarboxylic derivatives of thioglycolic acid p 3135

Zonis, L.S., Khaletskii, A.M., Pesin, V.G. - Synthesis and study of 1-{p-(β-diethylaminoethoxyphenyl)-p-tolyl-2-p-chlorophenyl} ethanol p 3141.

Akopian, A.N., Aslamazian, V.S., Rostomian, I.M. - Chemistry of divinylacetylene and its halo derivatives. Part 14 Isomerization of trans-2, 3, 4, 5-tetrachloro-1, 3, 5-hexatriene to a cis-modification with subsequent dimerization, diene synthesis, and sulfone formation. p. 3143.

Alekseeva, L.V., Pushkareva, Z.V., Diul'dina, S.N. - Synthesis of p-bis (β -chloroethyl) aminobenzoyl derivatives of some amino acids p 3145

Shvetsova-Shilovskaia, K.D., Bolan, S.R., Mel'nikov, N.N. - Herbicides and plant regulators. Part 39 Synthesis of some new derivatives of urea containing a carboethoxy group. p 3147

Vladzimirskaia, E.V., Pashkevich, Iu.M. - Synthesis of thiazolidinone derivatives of biological interest. Part 15: Acidic properties of derivatives of 4-thiazolidinone and 4-thiazanone p. 3149

Ozol, IA.IA., Vanag, G.IA. - 2-Ethyleniminе-2-methyl-1, 3-indandione and its transformation products p 3154

Favorskaia, T.A., Samusik, B.N. - Acetylenic hydroxy acids, their synthesis and transformations Part 1: Synthesis of esters of acetylenic hydroxy acids starting from esters of pyruvic and diethylacetoacetic acids. p 3157.

Favorskaia, T.A., Tolstopiatov, G.M. - Synthesis and study of transformations of acetylenic α-glycols. Part 8: 3, 4, 5, 5-Tetramethyl-1-hexyne-3, 4-diol and 3-methyl-1-hexyne-3, 4-diol and their transformations under the effect of concentrated sulfuric acid p 3160.

Mamedov, Shamkhal., Agaev, A.S. - Glycol ethers and their derivatives. Part 58 Synthesis of β-bromoethyl-γ'-chloroalkyl ethers. p. 3166

Mamedov, Shamkhal., Pokonova, Iu.V - Glycol ethers and their derivatives Part 59· Alkoxymethyl ethers of 1, 4-butanediol. p 3171

Shavrygina, O.A., Makin, S.M - Chemistry of unsaturated ethers Part 17· Synthesis of acetals of aryl polyene aldehydes p. 3176.

TSukerman, S.V., and others. - Basicity and structure of α, β-unsaturated heterocyclic ketones. Part 1· Basicity of the thiophene analogs of chalcone. p. 3180.

TSukerman, S.V., and others. - Basicity and structure of α, β-unsaturated heterocyclic ketones. Part 2, Thiophene analogs of 1, 5-diphenylpentadienones. p. 3186.

Mukmeneva, N.A., Kirpichnikov, P.A., Pudovik, A.N. - Polyphosphites. Part 6· Interaction of diaryl phosphoryl chlorides with dihydroxy compounds p 3192.

Kamai, Gil'm, Mukmenev, E.T - Bicyclic diphosphites based on pentaerythritol p. 3197.

Pudovik, A.N., Gozman, I.P., Nikitina, V.I - Interaction of ketene with esters of α-hydroxy- and α-aminophosphinic acids p. 3201.

Lugovkin, B.P. - Condensation of 8-theobromine aldehyde with iodoalkylates of heterocyclic bases. p 3205

Grinev, A.N., Merentsev, A.S., Sibiriakova, D.V. - Antibiotics. Part 2: Oxidation products of the antibiotic heliomycin. p. 3207.

Shutov, G.M., and others. - Nucleophilic substitution of halogen for a nitro group in aromatic nitro compounds. Part 1· Interaction of tetranitro derivatives of benzene with halogen acids and phosphoryl chloride. p 3210

IAkhontov, L.N., Mastafanova, L.I., Rubtsov, M.V. - Wittig reaction used in the synthesis of 3-substituted quinuclidines. p 3211.

Petrov, A.A., Porfir'eva, Iu.I. - Direction of the addition of hydrogen halides to enyne hydrocarbons with conjugated and nonconjugated multiple bonds. p. 3215.

Pilugin, G.T., Shinkorenko, S.V. - Synthetic dyes. Part 32: Condensation of N-aryl quinaldinium salts with aromatic nitro compounds. p. 3223.

Pilugin, G.T., Opanasenko, E.P., Petrenko, O.E. - Synthetic dyes Part 33 Synthesis of 1-o-methoxyphenyl-7, 8-benzoquinaldinium perchlorate and its transformations p 3228

Ioffe, B.V., Zelenin, K.N. - Aminonitrile rearrangement and its use for preparative purposes p. 3231

Nikiforova, A.V., Moiseev, I.I., Syrkin, IA.K - Oxidation of alcohols with palladium salts in aqueous solutions p 3239

Kazitsyna, L.A., and others - Electron spectra of binary diazonium salts of bivalent copper and cobalt p. 3243

Mushkin, Iu.I., and others. - Infrared and ultraviolet spectra of some derivatives of terephthalic acid p 3249

Grebeniuk, A.D., IAgudaev, M.R - Infrared spectra of the condensation products of γ, γ, γ-trichlorocrotonic acid nitrile with benzene in the presence of aluminum chloride p 3253

Ogloblin, K.A., Samartsev, M.A - Reaction of nitrosyl chloride with unsaturated hydrocarbons Part 8 Reaction with 2-butene p 3257

Golodnikov, G.V., Shashurina, V.V - Catalytic dehydrogenation of γ-trialkylsilylpropyl alcohols Part 2 p 3262

Golodnikov, G.V., Markin, G.Kh - Synthesis and properties of trialkyl (p-bromophenoxy) silanes Part 4 p. 3265

Fromberg, M.B., Petrashko, Iu.K. - Synthesis of methylvinylhydroxysiloxanes with hydroxyl groups at a silicon atom p 3266

Morgunova, M.M., Zhinkin, D.IA., Sobolevskii, M.V - Reactions of polyalkylcyclosilazanes with carboxylic acids p 3269.

Fokin, A.V., Skladnev, A.A., Komarov, V.A - Acylating action of mixed anhydrides of fluorine-containing carboxylic acids p 3271

Zhivukhin, S.M., Dudikova, L.D., Kotov, A.M - Synthesis and study of polyorganostannanes p. 3274

Puzitskii, K.V., Eidus, IA.T., Riabova, K.G - Synthesis of derivatives of carboxylic acids from carbon monoxide, olefins, and acylable compounds. Part 10 Synthesis of carboxylic acid esters from unsaturated hydrocarbons, donors of hydride ions p 3278.

Eidus, IA.T., Kaal, T.A - Synthesis of derivatives of carboxylic acids from carbon monoxide, olefins and acylable compounds Part 11 Effect of the pressure of carbon monoxide on the course of the reaction of carbomethoxylation of isobutylene and isobutyl alcohol. p 3283.

Karlshin, A.P - Halogenanthanilones p 3290.

Prizhiialgovskaia, N.M., Shner, V.F., Belov, V.N. - Reduction of naphtholcarboxylic acids Part 9 Preparation of 6-bromo-2, 3-tetralone and methyl ester of 6-bromo-2, 3-tetralonecarboxylic acid p 3292

Volodina, M.A., and others - Synthesis and properties of pyrrolidines and pyrroles. Part 12 5-Phenylcyclopentane-2, 3-pyrroles and 5-phenylcyclohexane-2, 3-pyrroles p 3295

Gitis, Sh.S., Kaminskii, A.IA. - Reactions of aromatic nitro compounds Part 16· Preparation of the Janovsky reaction products p. 3297.

Gitis, S.S., Glaz, A.I., Kaminskii, A.IA - Reactions of aromatic nitro compounds. Part 17 Products of addition of alcoholates to dinitroanisole. p. 3301.

Kozlova, N.V., and others. - Synthesis and study in the 1, 3, 5-triazine series. Part 2: Interaction of cyanuric chloride with substituted anilines p 3303

Kobrina, L.S., IAkobson, G.G. - Aromatic nucleophilic substitution. Part 2· Pentachlorophenol, pentachlorothiophenol, and their methyl ethers p. 3309

Sazonova, V.A., Karpov, V.I Tetra (1-indolyl) boron salts. p. 3313.

Lovchenko, E.S., Sheinkman, I.E., Kirsanov, A.V. - N-dichlorophosphinylalkaniminosulfonic acid chlorides p 3315.

Kretov, A.E., Bespalyi, A.S - Derivatives of thiazolidine. Part 2 p. 3323

Kretov, A.E., Momsenko, A.P. - Reactions of cyanamide with aliphatic acid anhydrides. p. 3325

Mastriukova, T.A., and others - Hammett equation in the theory of tautomeric equilibrium Part 2: Tautomerism of α-arylsulfaminopyridines Potentiometric study. p 3328.

Mastriukova, T.A., and others - Hammett equation in the theory of tautomeric equilibrium. Part 2 Tautomerism of α-arylsulfaminopyridines Spectrophotometric study. p. 3336.

Chaman, E.S., Golovchinskaia, E.S. - Synthesis in the series of purine derivatives. Part 5· Synthesis of some C(8) -substituted derivatives of 9-methylpurine p 3342.

Pudovik, A.N., Muratova, A.A., Semkina, E.P - Reactions of dialkylphosphinic acid esters with trialkyl tin halides. p. 3350.

Pudovik, A N , Pudovik, M A - New method of synthesizing phosphinic and thiophosphinic acid esters Part 40 Addition of acid phosphites, diphosphites, phenylphosphine to unsaturated electrophilic reagents containing one or two double bonds p. 3353

Razuvaev, G A , and others - Oxidation of diphenylzinc and diphenylmagnesium p 3358

Zhurin, R.B., Rodicheva, D.I , Charlorlieskii, B A - Schiff bases, derivatives of N, N-diethyl-p-phenylenediamine p 3360.

Avakian S N , Zakarian, R.A - Complex compounds of nickel and cobalt with 1-dimethylamino-5-methyl-2-hexyn-5-ol p.3364

Fokin, A.V., Studnev, IU N , Skladnev, A.A - Reactions of 1, 1-difluoropolyfluoralkylmercaptans with phosphorus acid derivatives p 3366.

IAkobi, V A , and others - Catalytic oxidation with an ozone-oxygen mixture Part 1 Oxidation of 2, 2'-dibenzanthronyl p 3369

Sverdlov, E.D , and others - Reaction of thiourea with α-bromobutyric acid Part 2 Characteristics of the reaction taking place at low concentrations of initial substances. p. 3373

Etlis, V.S. - Reaction of ethylene monothiocarbonate with alkene oxides p 3378.

Martynov, I V , Krugliak, IU L., Makarov, S P - Halo-α-nitrocarboxylic acids Part 1 Derivatives of chloronitroacetic acid p 3382

Martynov, I V , Krugliak, IU L , Makarov, S.P - Halo-α-nitrocarboxylic acids. Part 2 Derivatives of fluorochloronitroacetic acid. p. 3384.

Martynov, I V., Krugliak, IU. L , Makarov, S P - Halo-α-nitrocarboxylic acids Part 3. Derivatives of α-nitroperfluorocarboxylic acids. p 3386

Martynov, I.V , and others - Halo-α-nitrocarboxylic acids. Part 4 Derivatives of fluorochloro- α-nitropropionic acids p. 3388.

Motornyi, S P. - New method of preparing N-perfluoroalkyl-N-methyl carbamates p 3391

Moldovanskaia, G.I., and others. - Terpene phenols. Part 14 Isobornylphenols and products of their transformation p 3392.

Kheifits, L.A., Gol'dovskii, A E - Terpene phenols Part 15 Transformations of products of condensation of norbornene with phenol. p 3399

Kucherova, N.F , Aksanova, L.A., Zagorevskii, V A. - Derivatives of indole. Part 12 Synthesis of derivatives of hydrothiopyrano-[4, 3-b]-indole S, S-dioxides p.3403

Kholodov, L E , IAshunskii, V G - Sydnones and sydnone imines Part 17 Opening of the ring of sydnone imines under the effect of hydrochloric acid p. 3409

Kaplan, S.Z., Zvantsova, A.S. - Derivatives of morpholine. Part 2 Interaction of morpholine with 3, 3-bis (chloromethyl) oxacyclobutane and 2, 2-bis (chloromethyl) trimethylene glycol p 3412

Sadykov, A.S., Karimov, M., Aslanov, Kh.A. - New synthesis of quinuclidine. p 3414.

Sadykov, A S., Karimov, M , Aslanov, Kh A - Synthesis on the basis of anabasine. Part 18 α-Quinuclidyl-β-pyridine p. 3417

Zil'berman, E N., Pyrialova, P.S. - Reduction of aliphatic nitriles under conditions of Stephen reaction p. 3420.

Begidov, S.Kh , Domareva, T.V., D'iakonov, I A. - Unsaturated hydrocarbons containing a cyclopropyl radical Part 1 1, 1-Dicyclopropyl-1, 3-butadiene, 2-cyclopropyl-2, 4-pentadiene, and 1, 1-dicyclopropyl-1-butene p. 3426

Shabarov, IU S., Donskaia, N A., Levina, R IA - Cyclobutanone in the synthesis of arylcyclobutanes. p. 3434.

Shusherina, N.P., and others. - Nitration and bromination of 6-phenyl-2-pyrone p 3434

Temnikova, T.I , Zhesko, T.E. - Condensation of α-methoxy-α-phenyl-β, β-dimethylethylene oxide with benzonitrile. p. 3436.

Temnikova, T.I , and others. - Interaction of α-oxybromides with Na derivatives of β-dicarbonyl compounds p 3436.

D'iakonov, I A., Domareva-Mandel'shtam, T.V , Razin, V V. - Reaction of diazoacetic ester with 1, 3-cyclohexadiene. p. 3437.

D'iakonov, I A , and others. - Reactions of diphenylmethylene and carbethoxycarbene with alkenylsilanes. p. 3438.

Zefirov, N.S., and others - Bromination of adducts of 2-methyl- and 2, 5-dimethylfuran with maleic anhydride. p. 3439.

Zefirov, N.S., and others. - Deamination of methyl-ester of exo-cis-2-amino-3, 6-endoxohexahydrophthalic acid p. 3440.

Pudovik, A.N., Gareev, R.D. - Reactions of carbethoxycarbene with unsaturated organophosphorus compounds. p. 3441.

Pudovik, A.N., Konovalova, I.V. - Transformations of allylphosphinic esters in the presence of sodium ethylate. p. 3442

Pudovik, A N., Aladzheva, I.M., IAkovenko, L.N. - Synthesis and rearrangement of diethylpropargyl phosphite. p. 3443.

Zhdanov, IU A , Borofeenko, G N , Uzlova, L A - New method of expanding the carbon chain of carbohydrates by means of Wittig reaction p 3444

Bogatskii, A.V., and others. - Synthesis and acid cleavage of methyl-α-methoxyethylacetoacetic ester p 3445

Ivanovskaia, L IU., Riabinin, A.A , Barabanova, L P - Ursolic acid in plants. p 3446.

Riabinin, A A., Belous, V N - Morolic acid in Pyracantha coccinea Roen p 3447

Ioffe, B V , Sergeeva, Z I , TSitovich, D.D - Propargyl rearrangement of a new type p 3448

Ioffe, B V , Tsitovich, D D - Synthesis of pyrazolines from acetylenic chlorides and hydrazine. p. 3449.

Voronkov, M G , Skorik, IU.I - Methylphenyldifluorosilane p 3450

*ZHURNAL STRUKTURNOI KHIMII [JOURNAL OF STRUCTURAL CHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 5, Sep -Oct. 1963.

Table of contents translated

Ryss, A I., Radchenko, I.V. - X-ray study of aqueous solutions of tetrafluoboric acid p 659.

Rivkind, A.I. - Nuclear relaxation and the structure of solutions of vanadyl salts. p 664.

Zaripov, M.M. - Times of paramagnetic relaxation of rare-earth ions in liquid solutions. p. 674.

Bushaeva, M.N., Samoilov, O.IA. - Effect of the stabilization of the structure on the coordination numbers of alkali metal cations in aqueous solutions. p. 682.

Pichakhchi, L.D., Ivanchenko, A.M. - Effect of an external electrical field on the frequency of nuclear quadrupole resonance. p. 687.

Bystrov, D.G. - Infrared spectra of ester complexes with electron-accepting metal halides. Part 2. p. 691.

Mikheeva, V.I , Maf'tseva, N.N. - Infrared absorption spectra of some simple hydrides. p. 698.

Lazarev, A.N., Tonisheva, T.F. - Vibrational spectra of silicates with the anions Si_4O_{12}. p 703.

Platenko, IU.A. - Quantitative relations in structures deriving from the fluorite type p. 708.

Van Shi-khua [Wang Shih-hua], Kovba, L.M., Spitsyn, V.I. - X-ray study of some binary oxides of uranium and vanadium. p. 714.

Bellaev, I.N , Filip'ev, V.S., Fesenko, E.G. - Preparation and structure of some tungstates of the type M_2WO_6. p. 719.

Babad-Zakhrapin, A.A. - Structure of the calcination products of some salts of 12-phosphotungstic acid. p. 724.

Volkov, V.M., Diatkina, M.E. - Determination of the most stable configuration of molecules by the method of maximum overlap. p. 728.

Zaitsev, V.M., Mokeeva, V.A. - Two-center integrals of the theory of molecules. p. 734.

Levin, A.A - Use of symmetry in the method of maximum overlap. p. 739.

Bokii, G.B., Smirnova, N.L. - Systematics of structural types. Part 1. p. 744.

Krivoshei, I.V. - Determination of the number of stereoisomers of complex compounds. p. 757.

Aleksandrov, N.M., and others. - Nuclear magnetic resonance of the crystal hydrates of uranyl nitrate. p. 762.

Grechishkin, V.S., Soifer, G.B. - Change of the multiplet nature of the nuclear quadrupole resonance spectrum in crystals of octachloronaphthalene. p. 763.

Bobovich, IA.S., Petrovskii, G.T. - State of titanium in the products of the complete crystallization of some systems. p. 765.

Kravchenko, V.B. - Crystal structure of $BaB_2O_4 \cdot 4H_2O$. p. 768.

Osipova, O.P., Struchkov, IU.T. - Space groups and unit cells of organic compounds. Part 1. Derivatives of ethanoanthracene, dodecahydrophenanthrene, and cyclohexene. p. 770.

Akopian, Z.A., Avoian, R.L., Struchkov, IU.T. - Space groups and unit cells of organic compounds. Part 2 Peri-disubstituted naphthalenes. p. 772.

Shustorovich, E.M. - Electronic structure and properties of cumulated systems. Part 2 Elasticity and energy spectrum of inorganic cumulenes. p. 773.

Nikitenkov, V.E. - Dependence of molecular refractions on the chemical structure of alkyl benzenes, the dimensions, and the numbers of substituents. p. 776.

Spiridonov, V.P., Rambidi, N.G., Alekseev, N.V. - Present-day state of gaseous electronography. Theory of scattering of electrons by molecules. p. 779.

Third All-Union Conference on the use of computers in the structural analysis of crystals. p. 799.

List of works published in 1961 containing new data on crystal structures. B. Inorganic compounds. p. 801.

e MATHEMATICS

AKADEMIIA NAUK SSSR. Izvestiia Seriia matematicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin Mathematical Series]. Moscow, vol. 27, no. 5, Sep -Oct. 1963

Table of contents translated.

Vinogradov, I.M. - Number of integral points in a sphere p 957

Mikhailov, L.G. - Generalized problem of the conjugation of analytic functions and its application p. 969.

Livshits, M S. - Linear physical systems linked with the outer world by communication channels. p. 1013

Vol'vachev, R T. - Sylow p-subgroups of a complete linear group p 1031

Eidus, D.M. - Some boundary value problems in infinite regions. p. 1055.

Kats, I.S - Multiplicity of the spectrum of a second order differential operator, and expansion in eigenfunctions. p. 1081.

Nikol'skii, S M. - Proof of uniqueness of the classical solution to the first boundary value problem for a general linear partial differential equation for a convex bounded region p 1113

Dziadyk, V.K. - Theory of approximation of analytic functions, continuous in closed regions, and S M. Nikol'skii's problem. p. 1135.

Skliarenko, E.G. - Bicompact expansions with paraform outgrowths, and cohomology groups. p 1165

Naimark, M.A - Unitary representations of solvable groups in spaces with indefinite metrics. p. 1181.

Vladimirov, V S. - Corrections to V.S. Vladimirov's article "Functions holomorphic in tubular cones" p 1186.

AKADEMIIA NAUK SSSR. Vychislitel'nyi tsentr. Sektor shchemtiia po vychislitel'noi tekhnike [ACADEMY OF SCIENCES OF THE U.S.S.R. Computation Center. Reports on Computer Technology]. Moscow, no. 2, 1963.

Contents: Liuskii, V.S. [Algorithmic design of digital computer devices] Algoritmicheskoe proektirovanie vychislitel'nykh tsifrovykh ustroistv. 132 p.

AKADEMIIA NAUK URSR, Kiev. Seminar po metodam matematicheskogo modelirovaniia i teorii elektricheskikh tsepei Matematicheskoe modelirovanie i elektricheskie tsepi [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Seminar on the Methods of Mathematical Modelling and the Theory of Electrical Networks. Mathematical Modelling and Electrical Networks]. Kiev, no. 1, 1963.

Table of contents translated

Pukhov, G E. - Reversible computing and solving units. p. 3

Pukhov, G.E. - Possibility of constructing a controlling mathematical machine using reversible computing and solving units. p. 8.

Zhuk, K.D. - Reversible functional converter. p 17

Zhuk, K.D. - Construction of n-dimensional servo-systems using reversible solving units. p. 17.

Pukhov, G.E. - Use of quasi-negative resistors for improving the operation of amplifiers in a reversible model of linear equations. p. 26.

Tokareva, O.N - Some problems concerning the solution of linear programming problems. p. 28

Vasil'ev, V V. - Stability of the operation of reversible linear converters connected to a complex linear d-c electric circuit. p. 33.

Pukhov, G.E. - Modeling of differential equations with boundary conditions by means of electronic analog computers p. 37.

Verlan', A.F. - Use of storage devices in solving problems by means of analog computers. p. 41

Ostapenko, V.N. - Solvability of problems by means of MPT-9 type electronic integrators. p 45

Grezdov, G.I. - Electric modeling of a certain nonlinear problem. p. 58.

Grezdov, G.I., Kosmach, IU.P. - Calculation of a spherical shell by analog computers with the aid of the electronic device "Iterator." p. 64.

Levin, A.G. - Developing an electric model of the equation describing vibrations of a beam. p. 73.

Vasil'ev, V.V. - Use of the method of determining unknowns in modeling three-dimensional free frames with reciprocally perpendicular rods. p. 79.

Zhivov, A.N. - Method for solving certain frame systems using the EMSS-7 electric model. p. 87.

Luzhin, O.V. - Electric modeling of beat beams of variable cross section. p. 92.

Tozoni, O.V. - Modeling the field of currents in a network of underground structures. p. 97.

Kolesnikov, E.V. - Inversion of boundary conditions of Neumann and Dirichlet problems for Laplace's equation. p. 114.

Nitsetskii, L.V. - Simplified extensions of circular models for the solution of Laplace's equation in infinite regions. p. 136.

Chadunelli, A.Sh. - Feasibility of a single universal group operation in the case of small-size digital computers. p. 147.

Pashko, D.I. - Complete set of devices for modeling research. p. 160.
Kallaev, A.V. - Digital integrators. p. 172.
Maksimovich, N.G. - Method for solving a system of algebraic equations for use in the design of electric circuits. p. 191.
Berkovskii, B.A. - Comprehensive method for calculating transients in electric circuits with distributed parameters containing concentrated nonlinear elements. p. 201.
Bondarenko, V.M. - Characteristics of circuits with controllable nonlinear resistors. p. 208
Parparo, V.I. - Practical method for analyzing linear circuits. p. 214.
Tuttin, A.A. - Determination and use of secondary parameters in the method of subsidiary circuits. p. 226
Shchemelinov, M.M., Vykhovanets, V.I. - Converting decimal integers into binary integers and binary fractions into decimal fractions p. 238.

ERIVAN VYCHISLITEL'NYI TSENTR. Trudy [COMPUTATION CENTER. Transactions]. No. 1, 1963. Matematicheskie voprosy kibernetiki i vychislitel'noi tekhniki [Mathematical problems of cybernetics and computer techniques]

Table of contents translated:

Kazarian, L.V. - John Roses formula in structures with relative pseudocomplements. p. 7.
Zaslavskii, I.D. - Some distinctions between fundamental and subordinate variables in mathematical logic languages. p. 13.
Ter-Zakharian, N.P. - Normalizability of graphical and schematic algorithms. p. 30.
Osipian, F.A. - Steady-state process in a simple discrete optimalizing system in the presence of random interference. p. 40.
Brutian, Kh.K. - Automatic increase of computational accuracy in a machine with a fixed point. p. 46
Petrosian, A.V. - Logical productiveness and efficiency of universal digital computers. p. 59.
Petrosian, A.V. - Optimum relationship between the volumes of various types of operational memory systems. p. 66.
Beletskii, M.I., Grigorian, V.M., Zaslavskii, I.D. - Axiomatic description of the order and control of words in certain types of sentences p. 71

MATEMATICHESKII SBORNIK [MATHEMATICAL REVIEW] Issued by Akademiia nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society]. Moscow, vol. 62(104), no. 3, Nov. 1963.

Table of contents translated:

Ulunovskii, M.A. - Stationary motions of affinely connected space. p. 249.
Ter-Krikorov, A.M., Trenogin, V.A. - Existence and asymptotic behavior of "isolated wave" type solutions to a class of nonlinear elliptic equations. p. 264.
Busarkin, V.M., Starostin, A.I. - Splittable locally finite groups. p. 275.
Zarelua, A.V. - Equality of dimensions. p. 295.
Gromov, V.P. - Completeness of systems of analytic functions in a region. p. 320.
Shul'geifer, F.G. - Structure of the ideals of an object in a category. Part 2. p. 335.
Teptin, A.L. - Theorems on difference inequalities for multiple-point difference boundary value problems. p. 345.
Valuise, I.I. - Left ideals of a semigroup of endomorphisms of free universal algebra. p. 371.

MATEMATIKA V SHKOLE [MATHEMATICS IN SCHOOLS]. Issued by Ministerstvo prosveshchenia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 5, Sep.-Oct. 1963.

Table of contents translated:

Communist education of students, the teacher's principal objective. p. 1.
Bukhovskii, M.L. - Cybernetics methods in medicine. p. 5.
Chetverukhin, N.F., Iliskevich, L.A. - Parameterization and its use in geometry. p. 15.
Ostrovskii, A.I. - Parameters. p. 23.
Raikov, D.A. - Teaching the fundamentals of mathematical analysis in secondary schools. p. 25.
Gel'fand, M.B. - Studying the subject "Power functions." p. 30.
Altukhov, B.N., Gromov, A.P. - A new student's textbook. p. 38.
Mikhkov, N.V. - Coordination of school courses of mathematics and geography. p. 40.
Zikrin, O.Z. - Linking the teaching of arithmetic and geography in the 5th grade. p. 42.
Apraksina, E.I., Shabalin, IA.P. - Linking the teaching of mathematics and geography in the 8th grade. p. 44.
Arsen'ev, P.V. - Use of geographical maps in a mathematics class. p. 46.
Ivanov, S.I., Deribin, V.M. - Interrelation of mathematics and physics in operations with denominate numbers. p. 48.
Kalishevskaia, V.A. - A new student's textbook on drawing. p. 50.
Beliaeva, E.S. - Tests for grade 6 and grade 7 students. p. 52.
Tiubetskoi, M.N. - Punched cards in mathematics classes p. 56.
Litvinov, N.N., and others. - Terminology and concepts of elementary algebra p. 59.
Depman, I.IA. - Solution of logical equations. p. 65.
Pogrebysskii, I.B. - Dmitrii Aleksandrovich Grave. p. 72.
Gasteva, S.A. - Sergei Evgen'evich Liapin, on his 70th birthday p. 74.
Korovkin, F.P. - Letter to the editor. p. 75.
Varga, T. - "Kozepiskolai matematikai," a Hungarian journal for students. p. 76.
Gaiduk, IU.M. - Results of modernization of the mathematics course in Swiss secondary schools. p. 77.
Mathematical calendar for the school year 1963-1964. p. 79.
Rotar', A.V. - Problems with contents derived from practical fields. p. 80.
Mikhailova, K.K., Ostrovskaia, M.S. - "Educational conferences" in Siberia. p. 83.
Gul', S.M. - "Educational conferences" in Moscow in 1963 p. 84.
IAkuba, E.G. - Theoretical and Practical Conference of Teachers of Rostov Province. p. 84.
Andronov, I.K., Bychkov, P.B. - Intercollegiate Conference on the History of the Physical and Mathematical Sciences. p. 85
Malinin, V.V. - Problems for grade 8 to 11 students. p. 87
Potapov, V.G., and others. - Selected problems and special methods for their solution. p. 87.
Solutions to the problems offered in No. 1 of the journal for 1963. p. 88.
Aleksandrov, I.D. - A simple solution. p. 95.

MATEMATIKA, periodicheskii sbornik perevodov inostrannykh statei [MATHEMATICS, Translations of Foreign Articles]. Published by Izd-vo inostrannoi lit-ry [Publishing House of Foreign Literature] Moscow, vol. 7, no. 6, Nov.-Dec. 1963

MOSKOVSKOE MATEMATICHESKOE OBSHCHESTVO. Trudy [MOSCOW MATHEMATICAL SOCIETY. Transactions]. Moscow, vol 12, 1963.

Table of contents translated

Mel'nikov, V.K. - Stability of the center during periodical perturbations. p. 3.
Zhelobenko, D.P. - Theory of linear representations of complex and real Lie groups. p. 53.
Shvedov, I.A. - Projection spectra. p. 99.
Vishik, M.I. - Quasi-linear strongly elliptic systems of differential equations of divergent form. p. 125
Vilenkin, N.IA. - Special functions related to representations of class 1 of groups of motions of spaces of constant curvature p. 185
Kats, G.I. - Ring groups and the duality principle. p. 259.
Vinberg, E.B. - Theory of uniform convex cones. p. 303.
Vinberg, E.B., Gindikin, S.G., Piatetskii-Shapiro, I.I. - Classification and canonic realization of complex homogeneous bounded regions. p. 359.
Gel'fand, I.M., Piatetskii-Shapiro, I.I. - Automorphic functions and the theory of representations. p. 389.
Golovin, O.N. - Polyidentical relations in groups and the determinable operations on a class of all groups. p. 413.
Kolmogorov, A.N. - Approximation of the distributions of sums of independent items by infinitely divisible distributions. p. 437.
Berezin, F.A. - Letter to the editor. p. 453.

*PRIKLADNAIA MATEMATIKA I MEKHANIKA [APPLIED MATHEMATICS AND MECHANICS]. Issued by Otdelenie tekhnicheskikh nauk Akademii nauk SSSR [Technological Sciences Department of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 27, no. 1, Jan.-Feb 1963.

Table of contents translated:

Lur'e, A.I. - Free fall of a material point in an artificial satellite cabin. p. 3.
Koshliakov, V.N., Liashenko, V.F. - On a certain integral in the gyrocompass theory. p. 10.
Pozharitskii, G.K., Rumiantsev, V.V. - The problem of the minimum in the theory of the stability of the motion of a solid body having a cavity filled with liquid. p. 16.
Tokarev, V.V. - Effect of random deviations from an optimal propulsion program on the motion of a body of variable mass with constant power consumption in a gravitational field. p. 27.
Lidskii, E.A. - Optimum control of systems with random properties. p. 33.
Vandakurov, IU.V. - Stability of a conducting plasma column in a magnetic field. p. 46.
Ladyzhenskii, M.D. - On a magnetohydrodynamic hypersonic flow past a wedge p. 55.
Golitsyn, G.S. - Determination of correlations in a locally isotropic turbulent flow p. 61.
Filippov, I.G. - Theory of the diffraction of weak shock waves by contours of arbitrary shape. p. 75.
Pataraia, A.D. - Propagation of a solitary wave in a plasma along a magnetic field. p. 85.
Zvolinskii, N.V., Rykov, G.V. - Reflection of a plastic wave from a barrier. p. 91.
Skulkin, V.A. - A model of a dynamically hardening continuum in Mises-Reiss's theory of plasticity p. 100.
Levitin, L.B., Skuridin, G.A., Stanlukovich, K.P. - Vibrations of an elastic inhomogeneous layer having a curvilinear boundary and situated on an elastic inhomogeneous half-space. p. 116
Chernyshev, G.N. - Action of concentrated forces and momenta on an elastic thin shell of arbitrary outline. p. 126
Bondar', V.D. - On the possibility of considering the deformed and stressed state of a medium as the initial state. p. 135.
Lekhnitskii, S.G. - Problem concerning elastic equilibrium of an anisotropic strip. p. 142.
Cherepanov, G.P. - Problem concerning the insertion of an indentor with crack formation. p. 150.
Rozenblium, V.I. - Approximate equations describing creep of thin-walled shells. p. 154.
Serebriakova, N.N. - Qualitative study of a system of differential equations in the theory of oscillations p. 160.
Domshlak, IU.I. - Asymptotic stability of the solution to a nonlinear parabolic system. p. 166.
Plotnikova, G.V. - Stability of periodic solutions to autonomous quasi-linear systems with a single degree of freedom. p. 168.
Arkhangel'skii, IU.A. - Algebraic integrals in the problem of the motion of a solid body in a Newtonian field of force. p 171
Beletskii, V.V. - A case of motion of a solid body about a fixed point in a Newtonian field of force. p. 175.
Kaufman, R.N. - A complete system of solutions to linearized Navier-Stokes equations and its application to boundary value problems involving flow past spheres. p 179.
Borisov, V.M., Shmyglevskii, IU.D. - Setting variational problems of gas dynamics. p. 183.
Gonor, A.L. - On three-dimensional bodies of minimum drag at hypersonic speeds. p. 185.
Sapunkov, IA.G. - Hypersonic flow past a circular cone at the angle of attack. p 190

REFERATIVNYI ZHURNAL' MATEMATIKA [JOURNAL OF ABSTRACTS: MATHEMATICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 11, Nov. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; matematika [Ministry of Higher and Secondary Specialized Education Bulletin of the Institutions of Higher Learning, Mathematics] Moscow, no 5(36), 1963.

Table of contents translated.

Berlinskii, A.N. - Behavior of integral curves on a plane in the large. p 3.
Bredikhina, E.A. - Summation of Fourier series of almost periodical functions with bounded spectra. p. 6.
Bugrov, IA.S. - Inequalities for harmonic polynomials. p. 12.
Vinokurov, V.R. - Approximation over an infinite interval of a system of linear integral Volterra equations by a system of algebraic equations. p. 24.
Girshovich, M.V. - Solvability conditions for second-degree construction problems on a Lobachevskii plane using a straightedge alone. p. 30.
Glebov, E.P., Potapenko, A.A. - Method of consecutive approximations. p. 39.
Karp, V.N. - Existence and uniqueness of the periodic solution to a certain nonlinear hyperbolic equation. p. 43.
Kalgorodov, V.R. - Classification of gravitational fields of general type by groups of motions. Part 5. p. 51.
Kikin, D.B. - Extremum properties of solutions to certain classes of second-order partial differential equations and their application to gas flows. p. 56.
Lesokhin, M.M. - Completeness of systems with external multiplication. p. 59.
Makeev, G.N. - Adjunction of a focal pair T and Φ to a given initial congruence. p. 63.
Novoselov, E.V. - Fundamentals of classical analysis and the theory of analytic functions in a polyadic region. p. 71.
Parkhomovskii, S.I. - Impact of a piecewise smooth contour in symmetric jet flow. p. 89.

Petrova, S. G. - Use of the method of least squares in solving a mixed problem in the theory of elasticity p. 97

Semenovich, A. F. - Constructions in a Lobachevskii plane with a straightedge and oricycle compass p. 101.

Serebriakova, V. S. - Evaluation of a region of existence of periodic solutions p. 105.

Skopets, Z. A., Asekritov, U. M. - Mapping of a space onto a plane by means of a cubic circle. p. 113

Tynianskii, N. T. - Homological properties of the arrangement of sets in polyhedra and manifolds described by sequences of strong and weak homology groups p. 117

Khustalev, A. F. - Boundary value problem for Poisson's equation. p. 129.

Chebotarev, G. N. - Rings of functions integrable with weight. p. 133.

Chekmarev, T. V. - Solution of a second-order hyperbolic differential equation by reducing it to a system of integral equations. p. 146

VOPROSY PITANIIA [PROBLEMS OF NUTRITION] Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.] Moscow, vol. 22, no. 1, Jan.-Feb. 1963

Table of contents translated.

Tolmacheva, A. E. - Development of the production of Kumiss. p. 3.

Nesterova, A. P. - Treatment of patients with peptic ulcers with antiulcer diets containing olive oil p. 8.

Brailski, Kh., Grüncharov, V., Mladenova, Z. - Effect of parsley juice and decoction on the secretory and motor functions of the stomach and the biliary secretion. p. 13.

Korobkina, G. S., and others. - Effect of diets of different qualitative composition on the clinical course of disease and lipid metabolism in patients with coronary atherosclerosis. p. 17.

Patrushev, V. I. - Effect of a salt-free diet on arterial pressure and mineral metabolism in hypertension. p. 22.

Velmov, I. B., Kruchakova, F. A., Podgaetskaia, M. G. - Riboflavin and 17-ketosteroid metabolism in patients with seborrhea. p. 28.

Gabovich, R. D., Malatruk, P. N. - Therapeutic and prophylactic nutrition at fluorine production plants p. 32.

Maksimov, V. V. - Twenty-four-hour energy expenditure of boarding school students in the performance of useful public service at Pioneer and Communist Youth League Camps. p. 38.

Abdulov, A. G. - Twenty-four-hour energy loss of workers engaged in drilling oil wells in the sea p. 43.

Shovkoplias, O. A. - Vitamin A content in the body of miners. p. 47.

Shishova, O. A. - Determination of the effect of vitamin B12 on the absorption of amino acid mixtures in the intestine. p. 50.

Lebedeva, Z. N. - Determination of the level of free amino acids in healthy people by the method of paper chromatography. p. 55.

Prostakishin, G. P., Shkodich, P. E. - Refractometric method of determining the dried defatted residue of milk. p. 57.

Bogoliubova, A. V. - Indicators of the freshness of milk mixtures for children (Cherny's mixture). p. 59.

Kalinkova, G. - Complexometric methods of determining the calcium and magnesium content in sheep's milk. p. 62.

Golutvina, M. M., Kazakova, T. A., Nikolaev, Iu. M. - Rapid method of determining the strontium-90 content in milk. p. 66.

Vylegzhanina, G. F. - Determination of DDT in food products by the use of the L. M. Kul'berg and E. I. Shim method. p. 69.

Abasov, I. T., Tagi-Zade, S. B. - Content of ascorbic acid and its components in gastric juice and plasma in case of peptic ulcers and stomach cancer. p. 72.

Selivanova, V. M. - Study of the effect of increased physical stress on the level of ascorbic acid excreted with the morning urine on an empty stomach. p. 75.

TSeitina, A. IA., Lapina, S. A., Arkad'evskii, A. A. - Effect of noise on vitamin C metabolism in experimental animals. p. 78.

Aptekar', S. G. - Factor III and selenium; a survey of literature. p. 83.

Grebennikov, E. P., Soroka, V. R., Sabadash, E. V. - Content of microelements in the milk of animals and humans. p. 87.

Solov'eva, E. I. - Content of manganese, nickel, and aluminum in preserved vegetables. p. 88.

Matorov, S. N. - Content of vitamin C in onions of the Romanovskii and Mstierskii varieties. p. 90.

Chaika, T. P. - Vitamin C activity in commercial vegetable products. p. 91.

Plotnikova, G. E. - Organization of nutrition for children in children's institutions. p. 92.

Al'terman, N. A. - Vitamin C nutrition for boarding school students in Donetsk. p. 93.

*ZHURNAL VYCHISLITEL'NOI MATEMATIKI I MATEMATICHESKOI FIZIKI [JOURNAL OF COMPUTER MATHEMATICS AND MATHEMATICAL PHYSICS] Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, vol. 3, no. 5, Sep.-Oct. 1963.

Table of contents translated:

Zhidkov, N. P. - Some remarks concerning the conditionality of systems of linear algebraic equations. p. 803.

Samarskii, A. A. - High-order correct schemes for the equation of multidimensional heat conduction. p. 812.

Khao Shou [Hao Shou] - Uniform difference schemes for a fourth-order equation with discontinuous coefficients. p. 841.

Vasil'ev, F. P. - Use of the method of finite difference in solving the single-phase Stefan problem. p. 861.

Vasil'ev, F. P., Uspenskii, A. B. - Use of the method of differences in solving the two-phase Stefan problem. p. 874.

Egorov, IU. V. - Some problems in the theory of optimum control. p. 887.

Dnestrovskii, IU. N., Kostomarov, D. P. - Stability of an inhomogeneous magnetized plasma. p. 905.

D'iachenko, V. F., Imshennik, V. S. - Incoming cylindrical shock wave in a plasma, taking the front structure into account. p. 915.

Adamskaia, I. A. - Writing a kinetic equation in spherical harmonics (curvilinear coordinates - axisymmetric case). p. 927.

Mikheiev, V. M. - Determining the function of maximum carry propagation length. p. 942.

Shafiev, R. A. - Modification of Chebyshev's method. p. 950.

Sveshnikov, A. G. - Methods for studying the propagation of electromagnetic oscillations in wave guides with anisotropic filler. p. 953.

Kravtsov, V. V. - High-frequency asymptotic behavior of a nonsteady-state diffraction problem (region of light) p. 955.

Petrov, A. A. - Approximate method for calculating the natural vibrations of a liquid in vessels of arbitrary shape and determining the Zhukovskii potentials for these vessels. p. 958.

Naumova, I. N. - Calculation of supersonic equilibrium air flows. p. 964.

Semendiaev, K. A. - "Numerical analysis" [in English] by N. Macon. p. 971.

Mikhlin, S. G. - "Boundary and eigenvalue problems in mathematical physics" [in English] by H. Sagan. p. 972.

Kamenskii, G. A. - "Sets, sequences, and mappings The basic concepts of analysis" [in English] by K. W. Anderson, D. W. Hall. p. 975.

F PHYSICS

*AKADEMIIA NAUK SSSR Izvestiia Seriia fizicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Physical Series]. Moscow, vol. 27, no. 10, Oct 1963 Materialy XIII ezhegodnogo soveshchaniia po iadernoi spektroskopii [Materials of the 13th Annual Conference on Nuclear Spectroscopy]

Table of contents translated

Andreev, V. N., Sirotkin, S. M. - Emission of long-range α-particles C $E_\alpha > 10$ Mev by Pu^{239} and Po^{210} nuclei. p. 1250.

Andreev, V. N., Sirotkin, S. M. - Multilayer ionization chamber for spectometric recording of rare events involving long-range α-particle emission. p. 1253.

Baskova, K. A., and others. - Radiations from W^{187} and Tl^{200} W^{187} (T = 24 hrs). p. 1258.

Vasil'ev, S. S., Shavtvalov, L. IA. - Gamma radiations from Au^{197} and the β^+-spectrum of O^{15}. p. 1261.

Malysheva, T. V., Nikitiuk, L. N., Khotin, B. A. - Recent data on Ir^{186}. p. 1263.

Malysheva, T. V., and others. - New neutron-deficient tungsten isotopes. p. 1264.

Kolesov, G. M., Malysheva, T. V., Nikitiuk, L. N. - Gamma radiation and conversion electron spectrum from Nd^{139}. p. 1267.

Moskaleva, L. P., Lavrukhina, A. K. - Angular and energy distributions of Na^{24} nuclei emitted during the irradiation of aluminum by 660 Mev. protons. p. 1270.

Matkhiz, Z., Neudachin, V. G., Smirnov, IU. F. - Amplification of E2 and E3 transitions in the nuclear p-shell as an indication of the spatial isolation of α-associations. p. 1273.

Sadykhov, F. S. - Effect of the finite nuclear dimensions on particle polarization in the case of pair formation and bremsstrahlung. p. 1277.

Dzhelepov, B. S., Tishkin, P. A., Shishelov, I. A. - Studying the decay scheme of Re^{184} by the method of e^-e^--coincidences. p. 1281.

Alkhazov, D. G., and others - Studying the Coulomb excitation of the first levels of even-even nuclei by measuring coincidences of gamma quanta and inelastically scattered ions p. 1285

Baktybaev, K. B., Bukat, G. M. - Alpha-decay systematism and reduced level widths of Po^{210} and Po^{212} nuclei p. 1297

Andreev, G. B., Deinego, A. S., Malakhov, I. IA. - Elastic proton scattering by Be^9 and Si^{11} nuclei p. 1305

Doroshenko, G. G., and others - Results of measurements of fast neutron spectra using the counting efficiency method p. 1308

Shevchenko, V. G., Udin, N. P., Iur'ev, B. A. - Quadrupole excitations of atomic nuclei p. 1313

Maksimov, M. Z. - Representation of the density of the nucleus and its potential by various analytic functions and their application in studying the interaction of particles with nuclei. p. 1319

Bibrash, B. L. - Superfluidity and excited states of spherical nuclei with odd atomic numbers p. 1327

Demikhanov, R. A., Dorokhov, V. V. Dzkuia, M. I. - Isotope masses and nucleon binding energies in the rare-earths region ($150 \leqslant A \leqslant 175$, $63 \leqslant Z \leqslant 73$) p. 1338

Gromov, K. IA., and others - Isomeric state of Nd^{139} p. 1357.

Vol 27, no 11, Nov, 1963. Materialy XIII ezhegodnogo soveshchaniia po iadernoi spektroskopii [Materials of the 13th Annual Conference on Nuclear Spectroscopy]

Table of contents translated

Alkhazov, D. G., Erokhina, K. I., Isenberg, I. Kh. - Coulomb excitation of levels in odd nuclei C 135-A 173. p. 1363.

Groshev, L. V., and others - Spectra of gamma rays and internal conversion electrons emitted in the capture of thermal neutrons by mercury nuclei. p. 1377.

Danagulian, A. S., Lebedev, N. A., Stuliachev, A. T. - Spectra of internal conversion electrons from a Gd fraction p. 1392

Dzhelepov, B. S., and others - Spectrum of internal conversion electrons emitted in Re^{184} decay p. 1394.

Bilukov, E. I., Shimanskaia, N. S. - Decay of Nd^{141} p. 1402.

Bilukov, E. I., Novikov, V. T., Shimanskaia, N. S. - Decay of Pr^{139} p. 1408.

Kul'chitskii, L. A., and others - Levels in the Er^{167} nucleus appearing in its photodisintegration. p. 1412.

Val'ter, A. K., and others - Study of the reaction Mg^{25} (p,γ)Al^{27} at proton energies ranging from 1.8 to 2 Mev. p. 1419.

Deviatko, IU. N., Lomonosov, V. V., Urin, M. G. - Excitation of vibration levels in β-decay of non-spherical nuclei p. 1427.

Tishchenko, B. I. - Electron scattering by nonspherical nuclei, taking mixed states into account. p. 1430.

Platov, N. I. - Splitting of levels in even-mass deformed nuclei. p. 1436

Smirnov, IU. F., Shitikova, K. V. - Genealogical coefficients in the translational-invariant shell model p. 1442.

Antuf'ev, IU. P. - Study of the reaction $Li^6(d,\alpha)He^4$ at deuteron energies ranging from 1 to 2.5 Mev. p. 1451

AKADEMIIA NAUK SSSR. Institut fiziki Zemli. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Physics of the Earth. Transactions]. Moscow, no. 23(190), 1962. Fizicheskie svoistva gornykh porod pri vysokikh davleniiakh [Physical properties of rocks under high pressures].

Table of contents translated:

Preface p. 3

Volarovich, M. P. - Study of the elastic properties of rocks under high confined pressures p. 7

Volarovich, M. P., Fang wei-Ch'ing. - Study of the elastic properties of rocks by the statistic and dynamic methods under high confined pressures. p. 19.

Stakhovskaia, Z. I. - Study of elastic and strength properties of rocks by the fold method under high confined pressure. p. 25

Tomashevskaia, I. S. - Study of the rigidity modulus and the strength of rock samples under high confined pressures by the torsion method p. 36

Volarovich, M. P., Tomashovskaia, I. S. - New method for determining the resistance of rocks to shear p. 43

Levykin, A. I. - Study of the absorption of elastic waves by rock samples under high confined pressures p. 50

Volarovich, M. P., Bondarenko, A. T., Gusev, K. F. - X-ray investigations of rock samples at high pressures and high temperatures p. 55

Volarovich, M. P., Galdin, N. E., Gusev, K. F. - X-ray study of quartz deformations in lectonites p. 60

Volarovich, M. P., Bondarenko, A. T., Parkhomenko, E. I. - Effect of pressure on the electric properties of rocks. p. 80.

Parkhomenko, E.I. - Use of ultrasonics in studying the electric properties of rocks p 91
Parkhomenko, E.I. - Types of symmetry of piezoelectric structures of rocks formed by piezoelectric minerals p 97.
Parkhomenko, E.I., Bondarenko, A.T. - Electric conductivity of rocks at high temperatures and one-sided pressure p 101

No 26(193), 1963. Seismicheskie pribory [Seismometric instruments]
Table of contents translated

Kirnos, D.P., Kolesnikov, Iu.A., Rykov, A.V. - Instrument analysis of seismograms p. 3
Kolesnikov, Iu.A., Pevsner, B.N., Solov'ev, V.N. - Apparatus for rewriting of seismograms p 16
Kolesnikov, Iu.A. - Use of regenerative vibrating filter for frequency analysis of seismic vibrations p. 25.
Kolesnikov, Iu.A., Rykov, A.V., Chermnykh, G.P. - Seismograms convertible into electric current p. 37.
Arkhangel'skii, V.T. - Method for increasing galvanometer and pendulum periods by interconnection of capacitances. p 42
Tokmakov, V.A. - Design of cylindrical magnetic systems with permanent magnets p. 52.
Fremd, V.M. - Apparatus with storage unit for recording heavy earthquakes. p 62
Sirani, I.B. - Accelerometers of high sensitivity p 72.
Preobrazhenskii, V.B. - Apparatus with magnetic memory for recording remote earthquakes p.78.
Rykov, A.V., Sidorov, I.B. - Highly sensitive capacitative seismograph with visible recording on heat-sensitive paper. p 85
Berlsevich, E.S., Knstorskii, S.A., Moslagina, M.S. - Seismic type OSB-VI oscillograph p 93
Kovrigina, V.I., Rozenberg, I.M. - Stand for determining the coordinates of earthquake epicenters. p. 98
Rozenberg, I.M. - Voltage converter for a synchronous hysteresis motor p.101.

No. 28(195), 1963. Voprosy inzhenernoi seismologii [Problems of Engineering Seismology], no. 8.
Table of contents translated:

Goriachev, A.V., and others. - Seismic microzoning of the Petropavlovsk-Kamchatskiy area. p. 3.
Vvedenskaia, N.A., and others. - Bulletin of strong earthquakes in the U.S.S.R. in 1960. p. 61.
Bune, V.I. - Basic seismic data used in detailed seismic zoning of the Vakhsh River Valley. p. 77.
Medvedev, S.V. - Deformations and stresses in the foundations of structures during strong earthquakes. p. 87.
Kats, A.Z. - Method of calculating the distance between seismic centers in seismic microzoning. p. 95.
Kirnos, D.P., Kolesnikov, Iu.A., Kogan, L.A. - Instrument determination of engineering spectra. p. 104.
Skorik, L.A. - Graphs of periodic repetitions during earthquakes of various intensities. p. 117
Kori, M.G. - Practical methods of calculating the main patterns of vibrations for systems with some degree of freedom. p. 120.
Medvedev, S.V., Sinitsyn, A.P. - Vibrations of arch dams under seismic loads. p. 126.
Kori, M.G. - Selection of dynamic equivalents for seismic activity with an intensity rating of 7. p. 135.
Puchkov, S.V. - Behavior of buildings, situated in various soils, during the passage of seismic waves. p. 141.

EESTI NSV TEADUSTE AKADEEMIA. Fuusika ja Astronoomia Instituut. Uurimused. Trudy Instituta fiziki i astronomii Akademii nauk Estonskoi SSR [ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R. Institute of Physics and Astronomy, Transactions], Tartu, no. 20, 1963.

*FIZIKA TVERDOGO TELA [SOLID STATE PHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 10, Oct. 1963.
Table of contents translated.

Veksler, V.I. - Secondary emission of excited cesium atoms in the bombardment of molybdenum by positive cesium ions. p. 2737.
Savchenko, M.A., Bar'iakhtar, V.G. - Theory of relaxation processes in antiferromagnetics with a helical structure. p. 2747.
Kulupin, Iu.A., IAtsenko, A.F. - Absorption spectrum of sodium nitrite crystals at 20°K. p. 2756.
Aleksandrov, A.P., and others. - Establishment of ferrite magnetization precession at high power levels. p. 2760.
Kunin, V.IA., Sedunov, Iu.N., TSikin, A.N. - Change of the type of conductivity of rutile ceramics and rutile single crystals in the process of electric aging. p. 2771.
Ignat'eva, M.I., Zavadovskaia, E.K., Melik-Gaikazian, I.IA. - Effect of divalent impurities on the radiation stability of alkali halide crystals. p. 2775.
Sheinkman, M.K. - Possible mechanism of recombinations on multiply charged centers in semiconductors. p. 2780.
Gurvich, Iu.A. - Cyclotron resonance on hot electrons. p. 2786.
Gavriliuk, V.M., Niumovets, A.G. - Surface diffusion of adsorbed atoms in an electric field. p. 2792.
Lung, I.G., Firsov, Iu.A. - Mobility of polarons of small radius at low temperatures. p. 2799.
Bollaks, B.I., Dzhafarov, T.D. - Effect of local electric fields on the diffusion of antimony in germanium. p. 2818.
Klyshko, D.N. - Second moment of electron paramagnetic resonance lines in ruby. p 2825.
Kogan, Sh.M. - Piezoelectric effect in nonuniform deformation and acoustic scattering of current carriers in crystals. p. 2829.
Amirkhanov, Kh.I., Bashirov, R.I., Ismailov, Z.A. - Hall effect in indium antimonide in high pulsed magnetic fields p 2832.
Demidenko, A.A. - Calculating the probability of photoexciton scattering on phonons. p. 2835.
Manulova, A.A. - Some characteristics of ferromagnetic resonance in yttrium garnet with conservation of domain structure. p 2847.
Efendiev, G.A., Ivanova, I.V. - Electron diffraction study of phase formation and phase transformations in thin Ni - Se films. p. 2854.
Pines, B.IA., Badtian, E.E., Khizhkovyi, V.P. - Kinetics of creep in single crystals of metals and alloys at high temperatures. p. 2859
Kolomoets, N.V., Lev, E.IA., Sysoeva, L.M. - Nature of current carriers in GeTe. p. 2871.
Eremenko, V.V., Bellaeva, A.I. - Characteristics of the absorption spectrum of manganese fluoride crystals. p. 2877.
Oksman, IA.A., Smirnov, V.N., Shmartsev, Iu.V. - Photodielectric effect in alloyed germanium. p. 2885.
Bonch-Bruevich, V.L., Rozman, R. - Theory of heavily alloyed semiconductors, band-to-band transitions. p. 2890.
Vinokurov, V.M., and others - Electron paramagnetic resonance of Gd^{3+} in CaF_2. p. 2902.
Korol'kov, V.I., Romanenko, V.N. - Concentration dependence of the segregation coefficient of some group III and V impurities of germanium. p. 2908.
Regel', A.R., Iagiev, B.G. - Temperature dependence of the effect of a strong electric field in polycrystalline selenium. p. 2914.
Turik, A.V. - Experimental study of the statistical distribution of domains in ferroelectric ceramics. p. 2922.
Uklanov, Iu.I., Mal'tsev, Iu.V. - Temperature dependence of the effective mass of electrons in semiconductors. p. 2926.
Valnshtein, E.E., and others. - Use of X-ray spectrum analysis in studying the valent state of manganese atoms in certain compound oxide semiconductors. p. 2935.
Kopvillem, U.Kh., Nagibarov, V.R. - Theory of the shape of optical and microwave absorption lines. p. 2940.
Slozov, V.V. - Photoeffect in a superconductor. p. 2951.
Slozov, V.V. - Analytical relationship between the mean value of a physical quantity in an external field and the corresponding quantity in temperature techniques. p. 2958.
Lobod', B.M., Mukha, L.IA. - Ferromagnetic resonance in single-crystal iron-yttrium garnet retaining its magnetic structure. p. 2963.
Genkin, G.M., Otmakhov, Iu.A., Rozenblium, E.A. - Theory of spin waves in antiferromagnetics. p. 2968.
TSiklis, D.S., Lesnevskaia, L.S. - Heating of bodies in an adiabatically compressed gas p. 2978.
Samoilovich, A.G., Nitsovich, M.V. - Rotating dipoles. p. 2981.
Stekhanov, A.I., Elinshberg, M.B. - Effect of local vibrations in the Raman effect in potassium chloride with lithium impurity
Romanov, Iu.A. - Plasma oscillations in a semiconductor body with p-n junction. p. 2988.
Berlaga, R.IA., and others. - Structural combination on a thermally oxidized silicon surface. p. 2990.
Dekhtiar, I.IA., Mikhalenkov, V.S. - Effect of the crystal lattice on the susceptibility of magnetic metals. p. 2997.
Glinchuk, K.D., Litovchenko, N.M. - Hole recombination on zinc atoms in germanium p. 3003.
Sidorov, V.I. - Electroconductivity at low temperatures in germanium doped with zinc. p. 3006.
Zyrianov, P.S. - Quantum Theory of Transport Phenomena in a Solid in an equilibrium electron-phonon system in a strong electric field. p. 3011.
Pokrovskii, V.N. - Simple derivation of the equation of state for polymers. p. 3018.
Dikhovskii, I.V. - Calculation of thermomagnetic coefficients in semiconductors p 3020
Nesmelova, L.I. - Relation between the field effect and the properties of a point contact. p. 3023.
IAfaev, N.R., Gan'f'lanov, N.S. - Electron paramagnetic resonance of Nb^{4+} ions in silicate glasses. p 3025.
Karpenko, B.V., Berdyshev, A.A. - Exchange interaction through current carriers in ordered semiconducting magnetic materials. p 3026
Sobolev, V.V. - Possibility of observing Bose-Einstein condensation of excitons in group $A^{II}B^{VI}$ crystals. p. 3028.
Shadlin, V.S., Gorodetskii, A.F. - Tensoresistance of polycrystalline germanium films. p. 3030.
Nasledov, D.N., Popov, Iu.G. - Photomagnetic effect in InSb at low temperatures. p 3031.
Stepanova, A.N., Givargizov, E.I. - Effect of alloying on the rate of growth of epitaxial germanium films p. 3034.
Laikhtman, B.D. - Determining the phonon spectrum from the cross section of incoherent neutron scattering on a crystal p. 3036.
Gendelev, S.Sh., Lapovok, B.L., Rubinshtein, B.E. Nickel ferrite single crystals with a narrow ferromagnetic resonance line. p. 3037.
Konorov, P.P., Romanov, O.V. - Physical properties of germanium surfaces in nitric acid solutions of different concentration. p. 3039.
Kurov, G.A. - Conditions of formation of epitaxial germanium films. p. 3041.
Beliaev, A.D., Malogolovets, V.G. - Effective cross section of electron capture by negative iron ions in germanium p. 4043.
Domanskaia, L.I., and others - Nernst-Ettingshausen effect in heavily alloyed n-type germanium. p. 3046.
Galkanov, V.V., Zilakhanov, U., Nasledov, D.N. - Electron-hole junctions in p-InSb. p 3048.

GEOFIZICHESKII BIULLETEN' [GEOPHYSICAL BULLETIN] Issued by Mezhduvedomstvennyi geofizicheskii komitet pri Prezidiume Akademii nauk SSSR [Interdepartmental Geophysical Committee, Attached to the Presidium of the Academy of Sciences of the U.S.S.R.]. Moscow, no 10, 1961.
Table of contents translated:

Soviet Geophysical Committee. p. 3.
Membership of the Interdepartmental Geophysical Committee under the Presidium of the Academy of Sciences of the U.S.S.R. p. 9.
Belousov, V.V. - Projects for future international cooperation in studying the earth. p. 18.
Regulations and bylaws of the International Union of Geodesy and Geophysics. p. 23.
Officers of the International Union of Geodesy and Geophysics and of the associations between 1960 and 1963. p. 32.
Study of the upper mantle and its effect on the development of the earth's crust. p. 34.
Observations during the period of minimum solar activity. p. 39.
Results of the IGY:
Meteors. p. 52.
Cosmic rays. p. 52.
Solar activity. p. 53.
Longitudes and latitudes. p. 54.
Gravimetry. p. 55.
Information:
From the Soviet Union. p. 57.
International scientific life. p. 59.
Abroad. p. 61.

*GEOMAGNETIZM I AERONOMIIA [GEOMAGNETISM AND AERONOMY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no 4. July-Aug 1963.

Zh[illegible] A. Romanov, A. P. - Absorption of ultrashort electromagnetic radiation by water vapors on [illegible] km in the upper atmospheric strata p. 667

Feldshtein, Kh. I., Severnyi, V. F. - Some results of [illegible] polar lights in the northern hemisphere during the IGY-IGC p. 679

Obridko, V. N. - Effects of solar flares in the ionosphere. I. Sudden frequency deviations p. 693

Fainberg, M. P. - Method for determining the drift velocity in the ionosphere p. 699

Fikhtel', M. D. - Nature of the winter anomaly in ionospheric absorption p. 705

Zhulina, E. M. - Declination of critical frequencies from the monthly median value on calm and disturbed days p. 707

Gabrielyan, Sh. G. - Gorbachev, V. A. - Competition of the lowest applicable frequencies and other short-wave communication quantities by means of electronic computers p. 711

Akasofu, S. I. - Classification of geomagnetic storms based on their energy characteristics p. 717

Il'yasov, I. A. - Magnetic activity at conjugate points p. 729

Tarkhov, F. N. - Geomagnetic field at Leningrad according to archeomagnetic data p. 728.

Fikhtel', B. M. - Main magnetic field of the earth. p. 734

Kolpashnikov, Yu. D. - Possibility of setting up a unified recording system for various quantities, p. 737

Kolotilov, N. G. - Magnetic three-component microvariation station for field observations p. 741.

Dorman, L. I., and others. - Effect of small bursts in the hard component of cosmic rays. p. 752.

Gul'elmi, A. V. - Group velocity of slow waves in a drifting magnetoactive plasma. p. 754.

Gurevich, M. A. - Low-frequency waves in a multicomponent plasma. p. 757

Andrianov, D. A. - Determination the altitude of point bodies from [illegible] photographs taken at Tiksi - Moiseevka p. 762

Pisarenko, V. F. - Properties of corpuscular radiation streams in regions of polar lights p. 764

Zagulova, V. A. - Lunar tidal variations of critical frequencies of the E-layer. p. 766.

Erukhimov, M. N. - Heating of the ionosphere by current systems p. 767

Kamenskaya, M. P., Mednikova, N. V. - Relation between geomagnetic and ionospheric disturbances at middle latitudes. p. 769.

Kendal, T. S. - Effect of horizontal gradients of electron concentration in the ionosphere on the magnitude of the maximum applicable frequency p. 772.

Vvedenskaya, I. S. - Use of characteristic functions in the processing of drift recordings. p. 775.

Chechkina, V. A. - Scattering on moving inhomogeneities in the ionosphere. p. 778

Kalmin, Yu. K. - Scattering cross section of a meteor track simulated by a point source of ionization p. 779.

Ivanov, M. M. - Relation between the magnetic field of the Atlantic Ocean and its floor profile. p. 781.

Fonarev, G. A. - Vertical electric currents in the sea. p. 784

Pushkov, N. V. - Second Assembly (at Rome) on the International Years of the Quiet Sun (IYQS). p. 786

Vol 3, no 5, Sep - Oct, 1963.

Table of contents translated

Nikol'skii, G. M. - Energy of short-wave solar radiation in the spectral region $\lambda \leq 1100$ Å p. 793.

Polyakov, S. M., Mikulov, A. E. - Electrophotometry of a selected region of the outer solar corona in the visible spectral region during the total solar eclipse of February 15, 1961. p. 803.

Vernov, S. N., and others. - Structure of the earth's radiation belts at an altitude of 320 km. p. 812.

Mikhailov, N. A., Mikhailova, E. E., Cherepovitskii, V. A. - Results of rad[illegible] artificial

Gershman, B. N. - Formation of ionospheric inhomogeneities in the F-layer p. 878.

Sprengel', K., Kushnerevskii, Yu. V. - Some properties of the inhomogeneities in the lower ionosphere as revealed by long-wave observations p. 887.

Kazimirovskii, E. S. - Horizontal drift of ionization inhomogeneities in the upper ionosphere. p. 902

Sukhanov, E. V. - Space-time distribution of the sporadic E_s-layer at high latitudes. p. 910.

Khocholava, G. M. - Anomalous absorption in the polar cap caused by intense chromospheric bursts. p. 914

Shitmamedov, M. - Anomalous values of the reflection coefficient p. 922.

Bilunelli, B. I. - Electric field of a polar magnetic disturbance. p. 926.

Chasovitin, Yu. K., Solchatova, L. IA. - Dependence of E_s-layer characteristics on the susceptibility of the receiving apparatus. p. 938

Afanas'eva, V. I. - Families of geomagnetic storms recorded during the Year of International Geophysical Cooperation. p. 948.

Afanas'eva, V. I. - Energy released in the magnetic storms of September 1957. p. 955.

Kashprovskii, V. E. - Correlation of the electroconductivity of soils and their physicochemical properties p. 961.

Rotanova, N. M. - Conductivity and size of the nonconducting layer in the case of a cylindrical model of the earth in application to D_{st}-variations p. 968

Morozov, V. M. - Some results of photoelectric observations of night airglow near λ 5700 Å. p. 976

Dorman, L. I., Shatashvili, L. Kh. - Lunar diurnal variation and the 27-day modulation of cosmic ray anisotropy. p. 979.

Medvedev, Yu. A. - Radio emission from a meteor trail. p. 991.

Sergeev, A. V. - Possible cause of PP type oscillations. p. 993.

Rodionov, IA. S. - Autocorrelation characteristics of critical frequency fluctuations and ionization density p. 995.

Kovalevskaia, E. M. - Use of electronic digital computers in calculating the maximum usable frequencies for communication between two points. p. 991.

Kokourov, V. D. - Relation between certain ionospheric characteristics and geomagnetic activity. p. 995.

Summaries of articles on geomagnetism and aeronomy published in "Izvestiia vysshikh uchebnykh zavedenii Radiofizika," vol. 5, no. 3, 1962. p. 997

KIEV UKRAINSKII NAUCHNO-ISSLEDOVATEL'SKII GIDROMETEOROLOGICHESKII INSTITUT Trudy [UKRAINIAN SCIENTIFIC RESEARCH HYDROMETEOROLOGICAL INSTITUTE. Transactions] No. 31, 1962. Voprosy fiziki atmosfery [Problems of atmospheric physics]

Table of contents translated:

Konstantinov, A. R. - Foundations of the semiempirical Prandl-Karman theory from the viewpoint of the structure of turbulent pulsation in the atmospheric surface layer. p. 3.

Konstantinov, A. R. - Effect of temperature stratification on evaporation intensity, turbulent heat exchange, and momentum. p. 17.

Tkachenko, A. V. - Determination of the coefficient of turbulence in the surface layer of the atmosphere. p. 36

Tkachenko, A. V. - Determination of the coefficients of turbulent viscosity in the boundary layer of the atmosphere. p. 40.

Tkachenko, A. V., Volevakha, N. M., Galadzhin, N. M. - Analysis of the hodograph of wind velocity in the boundary layer of the atmosphere. p. 48.

Shnaidman, V. A. - Determination of the characteristics of the set atmospheric turbulence in some layers of the free atmosphere. p. 54.

Goisa, N. I. - Some characteristics of diurnal and annual variations of the radiation balance of underlying surface and its components. p. 60.

Goisa, N. I. - Microclimatic variability of the radiation balance of underlying surface. p. 82.

Goisa, N. I. - Brief characterization of the albedo in the Ukraine. p. 93.

Konstantinov, A. R., Kudina, A. V. - Methods for the calculation of diurnal variations of evaporation from the surface of soil and snow based on the air temperature and humidity as measured at meteorological stations. p. 101.

Oleinik, R. N., Sakali, L. I. - Total evaporation in Moldavia and the Ukraine. p. 114.

Muchnik, V. M., Rud'ko, Yu. S. - Cooling and freezing processes of water drops. p. 133.

Polovina, I. P. - Some characteristics of clouds in relation to their precipitation. p. 145.

Polovina, I. P. - Dependence of the phase structure of St, Sc, and Ac clouds on the temperature. p. 158.

Prokh, L. Z. - Measurement methods of the temperature and air moisture of fog. p. 165.

No. 32, 1962. Voprosy sinopticheskoi meteorologii [Problems of synoptic meteorology].

Table of contents translated

Ponomarenko, I. N. - Some relations between air temperature and precipitation anomalies in the Ural and circulation factors. p. 3.

Gavrilenko, N. M. - Forecasting of the date of the passing of the mean diurnal air temperature [illegible] 0° during spring in the Ukraine. p. 18.

Il'inskii, O. K. - Possibility of the appearance of fogs during cold advection. p. 26.

Koshelenko, I. V. - Conditions governing the appearance of sea fog on the coast; reply to O. K. Il'inskii p. 29.

Khrianova, N. T. - Synoptic and climatic characteristics of fogs in the Nikolaev region. p. 3[illegible]

Zemliakova, V. I. - First autumn frosts in the Ukraine Province p. 41.

KISHINEV UNIVERSITET. Trudy po fizike poluprovodnikov [UNIVERSITY. Papers on Semiconductor Physics] No. 1, 1962.

Table of contents translated

Perlin, Yu. E., Chebun, A. G. - Theory of the [illegible] position of excited color centers in an electric field. p. 3

Pokatilov, E. P., Prepelitsa, B. V. - Effect of [illegible] ing on the electroacoustic effect in semiconductors with a single kind of current carriers p. 15

Kot, M. V., Simashkevich, A. V. - Effect of surface recombination on the cathodoluminescence of cadmium sulfide and cadmium selenide crystals. p. 19

Kot, M. V., Kretsu, I. V., Lebedev, P. I. - Electric properties of crystalline zinc antimonide alloyed with gallium p. 29.

Andronik, I. K., Kot, M. V., Shcherban, D. A. - Electric properties of single-crystal cadmium antimonide with various admixtures. p. 37

Kot, M. V., Shutov, S. D. - Anisotropy of the resistance and optical properties of antimony trisulfide crystals p. 47.

Kot, M. V., Shutov, S. D. - Some electric properties of antimony trisselenide with various admixtures p. 54.

Kasian, V. A., Kot, M. V. - Production technique, and electric properties of thin films of indium antimonide with highly mobile electrons p. 57.

Kot, M. V., Mishenskii, V. A. - Dependence of the electric properties of thin films of mercury selenide on their thickness. p. 70.

Kot, M. V., Maronchuk, Iu. E. - Dependence of the electric properties of thin films of mercury telluride on their thickness. p. 77.

Kot, M. V., Maronchuk, Iu. E. - Photoelectric properties of thin films of cadmium telluride [illegible]

Tyrziu, V. G., Tyrziu, M. P. - Some optical properties of thin films of the system Ga - Se. p. 93

Tyrziu, V. G., Tyrziu, M. P. - Some optical properties of thin films of the compound $GaSe_3$ [illegible]

Kot, M. V., Migal', V. P. - Some electric and optical properties of thin films of indium phosphide [illegible]

Kot, M. V., Simashkevich, A. V., Tyrziu, V. G. - Electric, optical, and photoelectric properties of thin films of the system ZnSe - CdSe p. 110

Kot, M. V., and others - Electric, optical, and photoelectric properties of thin films of the system *ZnTe - CdTe*. p. 121.

Kot, M. V., Maronchuk, Iu. E. - Electric, optical, and photoelectric properties of thin films of the system CdTe - HgTe. p. 131.

Rykov, V. I. - Interrelation between the heat of vaporization and the surface energy of certain metals p. 142.

Kot, M. V., Tyrziu, V. G. - Correction to the article "Optical properties of thin films of cadmium and zinc selenides and zinc telluride beyond the long-wave absorption boundary. p. 146.

* KRISTALLOGRAFIIA [CRYSTALLOGRAPHY] Journal by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 8, no. 3, May-June 1963.

Table of contents translated:

Zamorzaev, A. M. - Groups of symmetry and various kinds of antisymmetry. p. 307.

Liubimov, V. N., Zheludev, I. S. - Dipole and nondipole crystalline structures. p. 313.

Koptsik, V. A. - Polar-polar and polar-neutral crystalline structures. p. 310.

Zheludev, I. S., Liubimov, V. N. - Characteristic structural changes in phase transitions in antiferroelectric substances. p. 326.

Kashchiev, V. N. - Effect of spin-phonon interaction in ferromagnetics on the Debye-Waller factor. p. 333.

Brusentsev, F. A. - Analytic representation of X-ray atomic scattering factors in the form of a polynomial. p. 338.

Smirnova, N. L., Belov, N. V. - Structural group of quartz. p. 346.

Ismailzade, I. G. - X-ray diffraction study of some compounds of the composition: $A(B'_x, B''_{2-x})O_5$. $(A'O, 8, A''O, 4)Nb_2O_6$, and $(Ba_{0,4}Sr_{0,2}Ca_{0,4})TiO_3$ (A = Sr, Ba; B' = Fe, Mg; B'' = Nb, A' = La, Bi). p. 361.

Kupriianov, M. F., Filip'ev, V. S. - X-ray diffraction study of slight defects in complex perovskites. p. 358.
Ismailadze, I. G. - Recent data on the X-ray diffraction examination of phase transitions in sodium niobate. p. 363.
Gurskaia, G. V., Vainshtein, B. K. - Crystalline structure of hydrochloric l-phenylalanine and determination of its model. p. 368
Voronisova, L. G., Zvonkova, Z. V., Zhdanov, G. S. - Model of the structure of 3, 3'-diethylthiocarbocyanine chloride as determined by the statistical method. p. 374.
Novik, F. T., Rumsh, M. A., Zimkina, T. M. - Structure of CdTe layers grown by sublimation on the natural cleavages of NaCl, KCl, and KBr single crystals. p. 378.
Liashchenko, B. G., Sorokin, L. M. - Determining the position of carbon in cementite by the neutron diffraction method. p. 382.
Gabuda, S. P., and others - Position of hydrogen atoms in natrolite. p. 388.
Kitaigorodskii, A. I., Miasnikova, R. M., Samarskaia, V. D. - Mutual solubility of tolan and diphenyl mercury in the solid state. p. 393.
Fedorov, F. I. - Approximate theory of quasi-longitudinal elastic waves in crystals. p. 396.
Tiapunina, N. A., and others - Study of the dislocation structure and the multiplication of dislocations in cadmium crystals. p. 405.
Bengus, V. Z. - Interaction of dislocations in twinning calcite crystals. p. 413.
Berezhkova, G. V., Itozhanskii, V. N. - Mechanisms underlying the growth of ionic whiskers from solutions. p. 420.
Tropin, Iu. D. - Surface structure of iron whiskers. p. 427.
Gendelev, S. Sh. - Face morphology of yttrium-iron garnet crystals. p. 431.
Zhirnskaia, N. V., Kir'iashkina, Z. I., Maslov, V. A. - Growing single crystals of germanium-silicon alloys by the method of vertical zone recrystallization. p. 437.
Lube, E. L., Kheiker, D. M. - Automatic X-ray diffractometer with discrete recording and programmed control for the study of polycrystalline samples p. 440.
Nikitin, A. V., Simonov, V. I. - Effect of temperature corrections on the divergence factor in the structural analysis of crystals. p. 446.
Kriplakevich, P. I., Gladyshevskii, E. I. - Crystalline structure of compounds rich in beryllium in the systems Mo - Be and W - Be. p. 449.
Matiushenko, N. N., Tikhinskii, G. F. - Yttrium beryllide and compounds of the type ABe_{13}. p. 451
Kuz'min, R. N., Nikitina, S. V. - Structure of compounds of rare earth metals with antimony and bismuth of an AB composition. p. 453.
Fedulov, S. A., Venevtsev, Iu. N. - Transition region between the ferroelectric and paraelectric phases of the solid solutions (Pb, Ba) (Ti, Zr)O_3. p. 454.
Kostylev, S. A, Sherstiak, B. N. - Electron diffraction study of the structure of sublimated ZnS and ZnS - Mn films. p. 456.
Kalinkin, I. P., and others - Electron diffraction study of the structure of monocrystalline cadmium selenide films. p. 459.
Shalimova, K. V., Morozova, N. K., Soldatov, V. S. - Crystalline structure of zinc sulfide films. p. 461.
Iveronova, V. I., Katsnel'son, A. A. - Diffusion and double Bragg scattering by copper polycrystals. p. 463.
Grechushnikov, B. N., Distler, G. I., Petrov, I. P. - Fourier-spectrometer with filters. p. 465.
Grechushnikov, B. N., Distler, G. I., Petrov, I. P. - Fourier-spectrometer for studying the near infrared region of the spectrum. p. 468.
Petrov, N. S., Goncharenko, A. M., Sotskii, B. A. - Self-excitation of a plane-parallel anisotropic layer in the case of total reflection p. 471.
Chudinov, A. A. - Temperature dependence of ultrasound velocity in PbSe single crystals in the range 80° -640° K. p. 473.
Smagin, A. G., Nikol'skaia, V. I. - Effect of electrical precipitation on the damping decrement in quartz. p. 475.
Lainer, D. I., TSypin, M. I., Bai, A. S. - Structural correspondence between a metal and an oxide during the oxidation of titanium. p. 477.
Kuz'mina, I. P., Litvin, B. N. - Crystallization of cassiterite (SnO_2) under hydrothermal conditions. p. 478.
Melankholin, N. M. - Optical orientation crystalline plates in oblique cross sections. p. 480.
Beliaev, L. M., and others - Linear electrooptical effect in crystals of hexamethylenetetramine (urotropine) $C_6H_{12}N_4$. p. 482.
Bezirganian, P. A., Ninolan, Zh. O. - Width of diffraction maxima as dependent on the size of the crystal. p. 484.
Krylov, V. D. - Use of Fourier transforms of approximating functions in X-ray analysis of the fine crystalline structure of polycrystals. p. 486.
Pines, B. IA., Surovtsev, L. IA. - Determination of the dispersity and interdislocations of crystal lattices based on data of harmonic analysis of the shape of radiograph lines. p. 489.
Kovalenok, R. V., Smushkov, I. V. - Methodology and accuracy of harmonic analysis of the shape of interference lines. p. 494.

METEOROLOGIIA I GIDROLOGIIA [METEOROLOGY AND HYDROLOGY]. Issued by Glavnoe upravlenie gidrometeorologicheskoi sluzhby pri Sovete Ministrov SSSR [Main Administration of Hydrometeorological Service, Attached to the Council of Ministers of the U. S. S. R.] Moscow, no. 10, Oct. 1963.

Table of contents translated
Volynets, L. M., and others. - Radar observation as a method for studying the influence on supercooled strati p 3
Efimov, V. E., Lapcheva, V. F., Sulakvelidze, G. K. - Radar method for determining the seats of origin of hails. p 10.
German, M. A. - Turbulent exchange in clouds p. 15.
Znamenskaia, N. S. - Changes in the forms of bottom sand bars during the course of a flood. p. 22.
Zagorodnikov, A. A - Use of radar stations for the study of the atmospheric turbulence. p 28.
Novozhilov, N. I. - Turbulent inversion is a result of the mesojet action p. 33.
Kostaev, G. V. - Rate of runoff of surface water in drainage basins p. 36.
Esko, L. I., Elisseva, O. N. - Hydrological service of the Tartu station to commercial organizations. p 38.
Zlborov, V. S - Popularizers of hydrometeorological books. p 40.
Muchnik, V. M. - Radar detection of thunderstorms based on the data on the maximum intensity of rains. p. 42
Edel'shtein, K. K. - Improving the calculating method of deep flows measured by double floats. p. 43.
Logvinov, K. T. - Fourth Congress of the World Meteorological Organization p. 47.
Kulesh, N. P. - Graphical correlation. p. 51.
Dobryshman, E. M. - M. I. IUdin's "New methods and problems of short-range weather forecasting." p. 54.
Galgerov, S. S. - I. A. Khvostikov's "Physics of ozonosphere and ionosphere." p. 55.
Lebedeva, N. V. - A map indicating the number of days during which thunderstorms occur in the southern part of the Far East. p 56.
Literature on meteorology and hydrology published in 1962. p. 58.
In the Main Administration of the Hydrometeorological Service. p. 63.
In the institutions of the Hydrometeorological Service. p. 63.
Scientific-reference atlases of the republics and economic regions of the U. S. S. R. p. 64.
In foreign countries. p. 64.

No. 11, Nov. 1963.

Table of contents translated
Davitaia, F. F. - Forecasting method of the heat provision for the vegetative period p 3.
Ulanova, E. S. - Method for long-range forecasting of agrometeorological conditions governing the formation of the yield of winter wheat. p. 12.
Moiseichik, V. A. - Calculation of soil temperature change at different depths in the formation layer of the tillering node of winter crops. p. 21.
Mel'nik, IU. S. - Practice in the calculation on a rapid calculating machine the relationship between the yield of sunflower and the moistening conditions. p. 25.
Kel'chevskaia, L. S. - Agroclimatic indices of the growth of sugar beets. p. 28.
Shablevskaia, V. A. - Distribution of the solar radiation in corn plantings. p. 31.
Galvoronskaia, L. S. - Soil temperature during the winter in the orchards of Siberia and northern Kazakhstan. p. 35.
Meshchaninova, N. B. - Calculation of the irrigation standards and the effectiveness of irrigation based on agrometeorological data as revealed by the study in the Kulunda Steppe. p. 36.
Smirnova, S. I. - Meteorological effect of the irrigation on adjacent nonirrigated areas. p. 40.
Kirillicheva, K. V. - Optimal soil moisture and the yield of spring wheat in Western Siberia and the northern half of Kazakhstan. p. 43.
Snegirev, I. A. - Calculation of ground water movement. p. 47.
Chernyshev, A. A. - Velocity of the runoff of snow water in the forest and in the field. p 49.
Demediuk, N. S. - Mudflow in the Mogilev-Podol'skiy region. p. 51.
Konstantinov, A. R. - Climatological and hydrological research in the People's Republic of Poland. p. 53.
Moiseichik, V. A. - S. A. Vertigo and I. A. Razumov's book "Soil moisture and its role in agricultural production." p. 55.
Vemeri, V. A - Concerning the publication "Materials on the observations of lakes and reservoirs." p. 56.
Literature on meteorology and hydrology in 1962. p. 57.
In the Main Administration of the Hydrometeorological Service. p 62.
p. 62
Conferences, meetings, seminars. p 63.
In foreign countries. p. 64.

MOSCOW NAUCHNO-ISSLEDOVATEL'SKII INSTITUT AEROKLIMATOLOGII Trudy [SCIENTIFIC RESEARCH INSTITUTE OF AEROCLIMATOLOGY. Transactions] Moscow, no. 9, 1963. Voprosy aeroklimatografii Severnogo polushariia [Aeroclimatography of the Northern Hemisphere].

Table of contents translated
Khanevskaia, I. V - Distribution of temperature over the Northern Hemisphere in the summer. p. 3.
IAkovleva, T. A. - Distribution of relative humidity over the Northern Hemisphere p 30.
Moskaleva, I. M - Mean vertical cross section of the atmosphere along the latitude circle 65°N for January. p. 49
Bushkanets, G. S - Surface of the zero annual range of air density p. 64
Marchenko, A. S - Accuracy of mean climatic characteristics of wind. p. 77
Pashkova, Z. D, Khanevskaia, I. V - Objective criterion for the estimation of the anomalies of mean monthly temperature over the Northern Hemisphere. p 86.
Moskaleva, I. M, Khanevskaia, I. V - Methods for compiling maps of the relative intermonthly temperature differences over the Northern Hemisphere p 95.

MOSCOW. TSENTRAL'NYI INSTITUT PROGNOZOV. Trudy [CENTRAL WEATHER INSTITUTE. Transactions] No. 126, 1963. Voprosy chislennykh metodov v prognozov pogody [Problems of numerical methods in weather forecasting].

Table of contents translated
Belousov, S. L. - Practice in the operative precomputation of upper-air baric maps of three levels p 3
Mashkovich, S. A, Khelfets, IA. M - Practice in numerical forecasting of ground pressure for some days in advance p. 8.
Monakhov, V. M, Fuks-Rabinovich, M. S - Numerical forecasting of vertical currents for some days in advance on the basis of baroclinic lineal three-level model of the atmosphere p 20.
Silnikov, I. G. - Numerical forecasting of the geopotential on the mean level. p. 28.
Mashkovich, S. A - Taking into account the diabatic effects in numerical short-range pressure forecasting p. 38.
Purganskii, V. S. - Taking into account the effect of diabatic factors in short-range forecasting of geopotential fields on lower levels of the atmosphere p 47.
Chubukova, A. L. - Some results of the statistical processing of the characteristics of zonal atmospheric circulation in the Northern Hemisphere. p 55.
Khvedelidze, Z. V. - Forecasting the geopotential field on the mean level considering the effect of changeability of coriolis force and the presence of mountains. p 100.

*OPTIKA I SPEKTROSKOPIIA [OPTICS AND SPECTROSCOPY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 15, no. 4, Oct. 1963.

Table of contents translated:
Kaminskii, D. L., and others. - Hyperfine splitting of *the ground state of* Tu^{169}. p. 441.
Kagan, IU. M., and others. - Excitation of inert gases in a positive d-c discharge column at medium pressures. Part 3: Upper levels of neon and argon. p. 416.
Gorbacheva, N. S., Preobrazhenskii, N. G. - Asymmetric self-reversed contour of a spectral line as a source of information on the properties of a plasma. p. 453.
Gruzinskii, V. V, Borisevich, N. A. - Studying the excited states of vapors of molecules on the basis of a universal relation between the fluorescence and absorption centers. Part 2: Structured spectra. p. 457.
Prokof'eva, N. I., Sverdlov, L. M., Sushchinskii, M. M. - Calculation of the integral intensities and depolarization in the Raman spectra of cyclohexane and deuterocyclohexane. p. 464.
Mikhailov, G. P., Smolianskii, A. L. - Use of infrared spectra in the study of molecular interaction in polymers and their hydrated monomers. Part 1: Hydrated monomers and copolymers. p. 471.
Sil'd, O. I. - Theory of spectral bands of luminescence centers with a small radius. p. 478.

722-705 O - 64 - 6

Bakumenko, V. L., Kozina, G.S., Favorin, V.N. - Electroluminescent sublimated films of the luminophor ZnS-Cu, Mn. p.486.

Mikhal'chenko, G.A., Karpov, I.K. - Radioluminescence of activated lithium iodide single crystals. p.490.

Kilin, S.F., Rozman, I.M. - Radioluminescence of organic substances. Part 2: Duration of radiation in nonluminescent solvents. p.494.

Valeev, A.S. - Determining the optical constants of thin low-capture films. p.500.

Rubinov, V.M., Kizel', V.A. - Optical properties of concentrated solutions, melts, and films of dyes, Part 2. p.512.

Denisiuk, IU.N. - Optical properties of an object as mirrored in the wave field of the radiation scattered by it. p.522.

Sulfrin, K.S., Perel'man, A.IA. - Determining the spectrum of particles of a disperse system from its transparency characteristics. Part 1: Fundamental equation for determining the spectrum of particles. p.533.

Lukirskii, A.P., Savinov, E.P., Shepelev, IU.F. - Operation of echelette gratings with gold and titanium coatings in the wave length region 23.6 to 113 Å. p.543.

Kozyrev, B.P., Mezenov, A.V. - Experimental study of the transmission functions for air in the region of the rotational absorption bands for water vapor. p.549.

Maslov, P.G. - Theory of using dependent generalized coordinates in studying molecular vibrations. p.553.

Dubenskii, K.K., Maksakov, B.I., Razumova, T.K. - Zinc sulfide single crystals activated with samarium. p.555.

Filippov, O.K., IAroslavskii, N.G. - Transmission of long-wave infrared radiation (40-200 μ) by heated crystalline and molten quartz. p.558.

Tavger, B.A. - Franck-Condon principle for polyatomic molecules. p.561.

Mukhtarov, I.A. - Microwave spectrum of the $F_2C{=}CHF$ molecule. p.563.

Kotov, IU.I., and others. - Infrared absorption spectrum of deuterated hydrazine vapors. p.564.

Kovner, M.A., Krainov, E.P. - Vibrational analysis of the fluorescence spectra of a frozen solution of naphthalene in pentane and naphthalene vapors. p.565.

Kristofel', N.N., and others - Causes of the difference between the half-width of the absorption and emission bands of crystal phosphors. p.569.

Karlss, IA.E., Feofilov, P.P. - Absorption and emission of divalent holmium and erbium ions in crystals of the fluorite type. p.572.

Bakhshiev, N.G., Pilbytkova, N.N. - Spectroscopic method for determining the density and thickness of films of strongly absorbing substances. p.574.

REFERATIVNYI ZHURNAL: FIZIKA [JOURNAL OF ABSTRACTS, PHYSICS], Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 11, Nov. 1963

REFERATIVNYI ZHURNAL: GEOFIZIKA [JOURNAL OF ABSTRACTS: GEOPHYSICS], Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 11, Nov. 1963.

*REFERATIVNYI ZHURNAL: MEKHANIKA [JOURNAL OF ABSTRACTS: MECHANICS], Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 11, Nov. 1963.

Lopukhin, E.A - Basic method of the calculation of all components of the radiation balance of a cotton field. p.114.

Lopukhin, E.A. - Radiation balance of the cotton fields of some localities in Uzbekistan. p 117.

Beliaeva, I P. - Temperature conditions of a cotton field. p 146

TIFLIS NAUCHNO-ISSLEDOVATEL'SKII GIDROMETEOROLOGICHESKII INSTITUT. Trudy [HYDROMETEOROLOGICAL SCIENTIFIC RESEARCH INSTITUTE Transactions], Leningrad, no 10, 1962

Table of contents translated

Lezhava, G.P , Lominadze, V.P. - Development of hydrometeorological service and science in the 40 years of Soviet Georgia. p.3.

Napetvaridze, E A. - Circulation factors of the climate in Georgia. p 10.

Kvaratskhelia, I F. - Basic characteristics of the climate of the free atmosphere over the Georgian S.S.R. p.25.

TSutskiridze, IA.A. - Radiation factors of the climate in Georgia. p.71

TSertsvadze, Sh.I., Zaporozhskii, I.S - Some agroclimatic indicators of basic farm crops in Georgia. p.89.

Papinashvili, K.I. - Heavy precipitation in eastern Georgia and aerosynoptic conditions of their origin. p.101.

Lominadze, V.P. - Relationship between the types of synoptic processes and the upper tropospheric turbulence over Transbaikalia. p.113.

Gunila, S.U. - Vertical velocity of air motion over the Caucasus. p.117

Khmaladze, G.N. - Annual distribution of the runoff of Georgian rivers. p.121.

Germanishvili, V Sh. - Some characteristics of heat and ice conditions of the mountain rivers in Georgia. p.165.

Rostomov, G.T. - Calculation methods of the modulus of flow in drainage systems of the Kolkhida Lowland p.182.

Poklepa, V.F. - Short-range forecastings of the water discharge of Georgian rivers. p.194.

UKRAINS'KYI FIZYCHNYI ZHURNAL [UKRAINIAN PHYSICAL JOURNAL]. Issued by Viddil fizyko-matematychnykh nauk Akademii nauk URSR [Department of Physical and Mathematical Sciences of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 8, no. 8, Aug 1963

Table of contents translated

Akhiezer, I.A - Collective oscillations in a mixture of Fermi and Bose liquids. p.813.

Akhiezer, I.A. - Amplification of collective oscillations in quantum liquids. p.821.

Polovin, R.V. - Shock waves in a plasma in the absence of collisions. p.830.

Marushko, I.O. - Effect of anharmonic vibrations of the lattice on the intensity of the Mössbauer line. p.835.

Kondrat'ev, B.V. - Various methods for calculating dispersion in a helical wave guide with an anisotropic magnetodielectric medium. p.844.

Vodianitskyi, O.A. - Polarization energy losses of a charge moving along a circle in a medium with dispersion. p.855.

Hryshaiev, I.O., Il'in, O.H., Shenderovych, O.M. - Formation of short-front pulses of a magnetic field in inductor and deflector devices. Part 1. p.861.

Hryshaiev, I.O., Il'in, O.H., Shenderovych, O.M. - Formation of short-front pulses of a magnetic field in inductor and deflector devices. Part 2. p.869

...tistical properties of an elec... energy band. p.877.

...opy of the electric properties

...ura, S.V. - Electric properties of conducting compound

...and others. - Relationship ...agnetization and the param... in the superhigh-frequency

..., H.M. - Some luminescent ... dyes. p.900.

...mination of the radial distri... ecular-electron density in ... p.907.

...iers. - Optical properties of ...913.

...ncepts of negative absorption ...ture. p.915.

...lth of lines emitted by laser

...akov, V.O., Khotkevych, ... crystal lattice due to the ...ated in air. p.921.

* ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI [JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS] Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 45, no 4(10), Oct 1963.

Table of contents translated:

Petrash, G.G., Knlazev, I.N. - Pulsed radiation from a laser operating on neon and on a neon-helium mixture. p.633.

Nezlin, M.V., Solntsev, A.M. - Acceleration of ions in plasma beams. p.840.

Nemets, O.F., and others. - Elastic deuteron scattering on nitrogen, oxygen, and argon. p.850.

Mal'tseva, N.S., Mekhedov, V.N., Rybakov, V.N. - Secondary reactions of astatine production in Bi and Pb bombardment by 3-10 Bev. protons. p.852.

Kontukhov, V.K., Kulevskii, L.A., Prokhorov, A.M. - Ruby-operated laser with a generation length of $\sim$ 10 msec. p.857.

Perelygin, V.P., Tret'iakova, S.P. - Half life of a spontaneously fissioning isomer. p.863.

Chechernikov, V.I., and others. - Some magnetic properties of gadolinium single crystals. p.867.

Ratynskii, V., and others. - Gamma-ray spectra produced in resonance neutron capture. p.870.

Ignat'ev, K.G., Klipichnikov, I.V., Sukhoruchkin, S.I. - Spin dependence of the density of resonance levels. p.875.

Bogdankevich, O.V., and others. - Inelastic scattering of gamma quanta on Ag^{107} nuclei. p.882.

Berestovoi, A.M., Kaminker, D.M., Kondurov, I.A. - Measuring the lifetime of the levels of Eu^{152}, Ag^{110}, and Cs^{134} nuclei engendered in (n,γ) reactions. p.892.

Volkov, V.V., and others. - Two-neutron transfer reaction in the bombardment of $Zr^{90,92,94}$ isotopes by N^{15} ions. p.897.

Bredel', V.V., Gvozdev, B.A., Fomichev, V.A. - Relation of the cross sections of formation of Sc^{44}, Sc^{44m} isomer pairs in reactions involving heavy ions. p.901.

Pankratov, V.M., Serikov, I.N. - (He^3,α) reaction on C^{12} and Mg^{24} nuclei. p.910.

Batusov, IU.A., and others. - Use of Chew and Low's method in studying $\pi^+\pi^-$-interactions at low energies. p.913.

Stardubtsev, S.V., Begzhanov, R.B, Rokoyitskii, S.L. - Nature of highly excited levels in W^{182}. p.921.

Benetskii, B.A., Betin, IU.P., Gonzatko, IA. - Inelastic scattering of 14 Mev. neutrons on Mg^{24}. p.927.

Orlov, IU.F. - Motion of a charged particle in a helical cubic straight magnetic field. p.932.

Brown, M.A. - Renormalization constants and bound states in a nonrelativistic model in field theory. p.936.

Kaganov, M.I., Lifshits, I.M. - Non-threshold internal photoeffect in metals with intersecting bands. p.946.

Morozov, A.I., Solov'ev, L.S. - Typical structure of a toroidal magnetic field. p.955.

Strutinskii, V.M., Tiapin, A.S. - Quasi-static liquid-drop model of the nucleus as an approximation to the statistical model. p.960.

Oglevetskii, V.I., Polubarinov, I.V. - Interacting fields with spin 1 and symmetry properties. p.966.

Slutskin, A.A. - Motion of a one-dimensional nonlinear oscillator under adiabatic conditions. p.978.

Patashinskii, A.Z., Pokrovskii, V.L., Khalatnikov, I.M. - Quasi-classical scattering in a centrally symmetric field. p.989.

Korobkin, V.V., Uspenskii, A.V. - Theory of pulsations of the radiation from a ruby-operated laser. p.1003.

Andronov, A.A., Trakhtengerts, V.IU. - Instability of one-dimensional packets and the absorption of electromagnetic waves in a plasma. p.1009.

Rudik, A.P., Simonov, IU.A. - New method for studying the characteristics of Feynman diagrams. p.1016.

Berezhnoi, IU.A., and others. - Mechanism underlying total nuclear decay. p.1030.

Migdal, A.B., Larkin, A.I. - Phenomenological approach to the theory of the nucleus. p.1036.

Mur, V.D. - Asymptotic behavior of the total cross section of $\gamma\gamma$ - scattering at high energies. p.1051.

Silin, V.P. - Theory of oscillations of a weakly inhomogeneous plasma. p.1060.

Gel'fand, IU.A. - Space-time structure of the relativistic scattering matrix. p.1067.

Buss, F.G., Blank, A.IA., Kaganov, M.I. - Galvanomagnetic phenomena in a variable electromagnetic field. p.1081.

Vaks, V.G., Larkin, A.I. - Amplitude characteristics at $\ell = -1$ in the Bethe - Salpeter equations. p.1087.

Mikhailov, I.N. - Accuracy of the generalized Hartree-Fock method in nuclear physics. p.1102.

Korenman, G.IA., Eramzhian, R.A. - Angular distribution of recoil nuclei in the reaction $\mu^- + He^3 \to He^3 + \nu$. p.1111.

Gribov, V., Okun', L., Pomeranchuk, I. - Processes determined by fermion Regge poles. p.1114.

Volkov, V.A. - Nonrelativistic trajectories of Regge poles. Part 1. p.1123.
Greiser, A.I. - Electromagnetic emission of atomic electrons in β-decay. p.1133.
Gredin, IU.N., Dolginov, A.Z. - Multiple scattering theory. p.1136.
Dmitriev, N.A., Zel'dovich, IA.B. - Energy of random motion in the expanding universe. p.1150.
Demikhovskii, V.IA., Tavger, B.A. - Degree of magnetization of thin ferromagnetic films at low temperatures. p.1156.
Moshkalenko, S.A. - Phase transitions of the second kind during Bose - Einstein condensation of excitons in a deformed lattice. p.1159.
Vrana, V., Inopin, E., IUsef, M. - Electron scattering by nuclei according to the α-particle model of the nucleus. p.1164.
Malkuta, IU.M. - Regge trajectory for the positronium atom. p.1167.
Bystritskii, I., Zul'karneev, R. - Contribution of $^3P_2$, $^3F_2$-waves to meson production in pp-collisions at an energy of 660 Mev. p.1169.
Azhgirei, L.S., and others. - Phenomenological analysis of pp-interaction at 657 Mev. Part 1. p.1174.
Tsytovich, V.N. - Absorption of electromagnetic waves on neutrinos. p.1183.
Meshcheriakov, V.A., Nemenov, L.L., Solov'ev, L.D. - The $\pi^0\mu \to \pi\mu\gamma\gamma\eta$ reaction and the constants of photoproduction of π^0-mesons on π^0-mesons. p.1188.
Bilen'kii, S.M., Ryndin, R.M. - Relation between the total cross sections for the $1/2 + 1/2 \to 0+0$ reactions and the internal parities of particles. p.1192.
Stepanov, K.N. - Theory of high-frequency heating of a plasma. p.1196.
Solov'ev, L.D., IUshin, IU.IA. - Infrared characteristics of matrix elements in scalar electrodynamics. p.1202.
Khokhenberg, P. - Anisotropic superconductor with nonmagnetic impurities. p.1208.
IAkovlev, V.P. - Determination of nucleon-nucleon interaction from electron scattering on nuclei. p.1213.
Kheifets, S.A., Orlov, IU.F. - Theory of radiative damping of radial oscillations of an electron in a magnetic field. p.1225.
Kadomtsev, B.B. - Turbulent diffusion of a rarefied plasma in a high magnetic field. p.1230.
Gurevich, A.V., Pitaevskii, L.P. - Nonlinear effects in plasma resonance. p.1243.

Feinberg, E.L., Chernavskii, D.S. - Regge narrowing of the diffraction cone and the role of multiple-meson interactions. p.1252.
Dolgopolov, V.V., and others. - Experimental observation of Landau damping in a plasma. p.1260.
Kirilleva, L.F., and others. - Elastic scattering of protons on protons at small angles at energies of 6 and 10 Gev. p.1261.
Zaitsev, G.A. - Static skin effect in single-crystal cadmium specimens. p.1266.
Bekker, B.I., and others. - Measurement of the cross section of the $C^{12}(p,pn)C^{11}$ reaction at an energy of 9 Bev. p.1269.
Arutiunian, V.M., and others. - Light scattering on light. p.1270.
Karavets, V.P., and others. - Polarization in pp-scattering at an energy of 8.5 Bev. p.1272.
Levintov, I.I. - Calculating the real part of the scattering amplitude as the asymptotic behavior of the imaginary part varies according to a power law. p.1275.
Nikolaev, V.I., Shcherbina, IU.I., IAkimov, S.S. - Temperature study of Mössbauer spectra on Fe^{57} and Sn^{119} nuclei in the antiferromagnetic compound $FeSn_2$. p.1277.
Karnaukhov, V.A., and others. - Experimental observation of proton emission in radioactive decay. p.1280.

14. MEDICINE

a. GENERAL

AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow. Otdel nauchnoi meditsinskoi informatsii. Nauchnaia informatsiia [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R. Department of Scientific Medical Information. Scientific Information]. Moscow, no. 1, 1961. Nekotorye voprosy teoreticheskoi i klinicheskoi meditsiny [Some problems of theoretical and clinical medicine].

Table of contents translated:

Arshavskii, I.A., Enikeeva, S.I. - Characteristics of the development of thermoregulation reactions in newborn infants and the problem of the substantiation of the temperature and humidity regime required for them. p.3.
Gornak, K.A. - Collateral blood circulation in the heart in coronary atherosclerosis. p.5.
Bilibin, A.I., and others. - Means of expedient tetanus treatment. p.6.
Parin, V.V., Baevskii, R.M. - Ballistocardiography as a method of early detection of cardiovascular diseases. p.8.
Simakova, R.A. - Detection of ascorbic acid in the cells of rheumatic granuloma. p.10.
Spitkovskii, D.M., and others. - Obtaining a single-spiral deoxyribonucleic acid. p.11.
Bogolavlenskaia, N.V. - Simple method of quantitative determination of ribonucleic acid in tissue homogenates and extracts in the presence of acid-soluble nucleotides. p.12.
Klimov, V.IU., Chamova, K.G. - Study of the anaphylactogenic properties of deoxyribonucleic acids in tissues. p.13.
Veselkin, P.N., Moglilin, V.F. - Simultaneous dynamic study of juxtaposition of the data of direct and indirect calorimetry as a method of improving the accuracy of calculations of the overall balance of energy and detecting the qualitative disorders of the overall energy metabolism in pathological states. p.15.
Denisenko, P.P. - Some functional changes in the central nervous system and the reactivity of the organism occurring under the influence of central cholinolytics. p.16.
U Si-zhui [Wu Hsi-jui], Podlesnaia, A.I. - Sigetin, experimental and clinical data. p.18.
Smorodintsev, A.A., Luzianina, T.IA., Poliak, R.IA. - Virus-neutralizing activity, the nature and the properties of thermolabile substances of normal serums of different animals. p.19.
Novikova, N.A. - Effect of benzohexonium and dibazol on the development of experimental atherosclerosis in rabbits. p.20.
Magakian, G.O. - Universal mirror oscillograph for recording arterial pressure, the pulse, the plethysmogram and ballistocardiogram. p.22.
Morozkin, N.I., Khersonskaia, R.IA., Buslenko, A.I. - Clinical characteristics of sporadic cases of influenza. p.24.
Khersonskaia, R.IA. - Treatment of influenza and its complications. p.25.
Maksimovich, N.A., Petrovskaia, O.G. - Further study of viral inclusions in experimental influenza. p.25.
Demin, V.I., Sokolovskaia, A.P. - Importance of determining bile acids in blood serum for the diagnosis of aborted forms of hepatitis. p.26.
Gromashevskaia, L.L., and others. - Evaluation of some biochemical indicators in the diagnosis of aborted forms of infectious hepatitis. p.27.
Chapurskaia, N.A., and others. - Results of dispensary service for convalescents following infectious hepatitis. p.28.
Sokolovskaia, A.P., Chernova, I.A., Libova, E.E. - Epidemiology and clinical aspects of aborted and anicteric forms of infectious hepatitis. p.28.
Gaidamovich, S.IA., Duan Suan-myou [Tuan Suan-miao], Titova, N.G. - Detection of hemagglutinins of the Japanese and tick-borne encephalitis viruses in tissue culture. p.30.
Gaidamovich, S.IA., Obukhova, V.R., Mel'nikova, E.E. - Obtaining an antigen for the complement fixation reaction of tick-borne and Japanese encephalitis viruses from tissue cultures. p.31.
Terskikh, I.I., Bolotovskii, V.M., Kashin, I.V. - The IVK_2 aerosol chamber. p.33.
Nosik, N.N. - Effect of cortisone on antiviral immunity. p.34.
Chervonskii, V.I. - Indirect complement fixation reaction in the diagnosis of ornithosis in animals. p.35.
Orlova, N.N. - Vacuum insufflator with a filter for the insufflation of an anti-influenza serum and drugs in powder form. p.37.
Gause, G.F., and others. - Monomycin, a new antibacterial antibiotic. p.39.
Klosovskii, B.N., and others. - Etiology of phenylpyruvic oligophrenia. p.41.
Sazonova, N.S. - Functional disorders of the maternal hypophysis during pregnancy as an injurious factor in the development of children and particularly of their brain. p.41.
Kiseleva, Z.N., Mladkovskaia, T.B. - Permeability of the capillaries of the brain at different stages of embryonic development (in health and following suffocation). p.43.
Lebedev, B.V., Barashnev, IU.I. - Etiology of Down's disease. p.44.
Purin, V.R. - New method of measuring intracranial pressure in young children. p.45.
Perova, S.D., Tutaev, A.A. - Interrelations between ascorbic acid, proline and oxyproline in the metabolic processes of the connective tissue in children. p.46.
Zhukova, T.P. - Changes in the water content in brain tissues during pharmacologically induced sleep, a spastic attack and suffocation. p.47.
Grozdova, T.N. - Use of artificial ventilation of the lungs in treating asphyxia of newborn infants. p.50.
Glushkova, E.K. - Some hygienic problems of planning classrooms and the arrangement of furniture. p.52.
Shmidt, E.V., Dzhibladze, D.N. - Thrombosis of the extracranial and intracranial sections of the internal carotid artery. p.54.
Vereshchagin, N.V. - Role of lesions of the extracranial section of the vertebral arteries in cerebrovascular pathology. p.55.
Koltover, A.N., Liudkovskaia, I.G., Gannushkina, I.V. - Morphological changes in the brain in various localizations of the thrombus in the internal carotid artery. p.56.
Gannushkina, I.V. - Changes in the cerebral vessels in decreased blood circulation and the possibility of a reverse development of these changes. p.58.
Klosovskii, B.N., Shafranova, V.P. - Blood circulation of the brain following asphyxia in adult animals. p.60.
Lebedeva, N.V. - Clinical aspects and differential diagnosis of lateral and medial hemorrhages. p.61.
Stoliarova, L.G. - Use of native curariform preparations in spastic paresis in the restorative period following an attack. p.62.
Bein, E.S. - Study of the higher psychical functions and the problem of restoring speech in aphasia. p.63.
Popova, L.M. - Clinical aspects and treatment of respiratory paralysis in diseases of the nervous system of different etiology. p.65.
Popova, L.M. - Histopathology of the reticular formation in acute poliomyelitis. p.66.
Dubrovskaia, V.F. - Change in the gases of the blood in an apparatus treatment of patients with respiratory disorders. p.67.
Tobilevich, V.P. - Method of radiotherapy for cancer of the corpus uteri. p.69.
Ivanov, V.I., Pavlov, K.A. - Effect of diethanolamine-3,5-diiodo-4-pyridone-N-acetic acid (diodone) on the growth of experimental cancer in rabbits. p.71.
Dikun, P.P. - Some data on the study of cigarette filters. p.73.
Dikun, P.P. - Quantitative determination of 3,4-benzopyrene according to the fine structure of the fluorescence spectrum. p.74.
(DNLM)

KAZANSKII MEDITSINSKII ZHURNAL [KAZAN MEDICAL JOURNAL]. Organ of Ministerstvo zdravookhraneniia Tatarskoi ASSR and Sovet nauchnykh meditsinskikh obshchestv [Ministry of Health of the Tatar A.S.S.R. and the Council of Medical Societies]. Kazan, no. 1, Jan.-Feb. 1961.

Table of contents translated:

Volkova, I.N. - Scientific work of Academician K.M. Bykov; on the 75th anniversary of his birth. p.3.
Bykov, K.M. - From Harvey to the modern theory of blood circulation. p.6.
Ivanova, V.D., Tokareva, A.M. - Indications for intrathoracic operations and ligation of the internal thoracic artery in coronary insufficiency. p.11.
Erusalimchik, Kh.I. - Disturbance of cerebral circulation due to infarction of the myocardium (cerebrocardiac syndrome). p.16.
Bugoslavskaia, T.V., Prikhod'ko, G.M., Manullova, M.I. - Effect of reserpine on the course of nephritis and on renal function during the disease. p.20.
Miloslavskii, I.M. - Role of bronchography in the diagnosis of nonspecific pulmonary suppuration. p.22.
Izrailev, M.I. - Retrograde invagination in the small intestine into the stomach. p.26.
Sigal, I.Z. - Cases of thoracoscopy and thoracocautery in pulmonary tuberculosis. p.29.
Morozova, E.M. - Study of the etiology, pathogenesis and symptoms of arthrosis of large joints, spondylarthrosis, and spondylosis. p.33.
Kharitonov, I.F. - Clinical aspects of disorders of the motor function of the ureters. p.38.
Safina, L.G. - Malignant renal tumors in children. p.39.
Chernaia, V.V. - Role of modified anticoagulant activity of the blood in the mechanism of increased coagulability following an operation. p.42.
Zalovskaia, K.F. - Use of vitamin B_1 for expediting labor. p.44.
Zavershinskaia, L.I. - Diagnosis and treatment of vulvovaginitis in children. p.46.
Markov, A.IA. - Causes of and means for reducing newborn mortality. p.47.
Davydova, M.A. - Diagnosis of chorioma of the uterus. p.48.
Rodkina, R.A. - Relapses and metastases following treatment of cancer of cervix uteri of the first stage. p.51.
Kuryshova, K.A. - Treatment of amenorrhea, taking into consideration typological characteristics of the nervous system. p.54.
Fomin, K.F. - Compound treatment of lupus erythematosus. p.57.

Vetlugina, K. F. - Diagnosis of present-day mild forms of typhoid fever. p. 60.
Ivanov, A. A. - Hemorrhagic fever with renal syndrome in districts of the Kama Valley of the Tatar S. S. R. p. 63.
Stankovich, E. S. - Treatment of chronic alcoholism. p. 64.
Zaitsev, V. M. - Clinical aspects of atypical infarction of the myocardium. p. 66.
Mal'tsev, L. T. - Use of ACTH and adrenocortical hormones in therapeutic practice. p. 69.
Gefter, V. A. - Value of dynamic ballistocardiography in the treatment of certain heart diseases. p. 71.
Reinberg, G. A. - Some basic procedures in dermatoplasty. p. 72.
Medvedev, N. P. - Antitoxic function of the liver in pyoinflammatory processes in patients treated with penicillin. p. 74.
Morozov, V. G. - Perforation of "simple" ulcers of the small intestine. p. 75.
Aleeva, I. M. - X-ray diagnosis of fractures of the maxilla and adjacent regions of the skull. p. 77.
Rozhitskii, M. R. - Rare localizations of echinococci. p. 78.
Slidykov, E. N. - Case of prolapse of a ureterocele through the orificium urethrae externum. p. 80.
Rabinovich, E. Z. - Cervical pregnancy. p. 82.
Samitova, R. Sh., Krasnoshchekov, N. N. - Incidence of occupational diseases among workers at a fiber glass factory. p. 83.
Murugov, V. S. - Injuries among workers of the petroleum industry at Al'met'yevsk p. 85.
Krepysheva, A. N., Popova, E. L. - Records of the city of Kazan on the epidemiologic effectiveness of active immunization of children with killed polio vaccine. p. 87.
Anisimov, V. E. - K. S. D'iakonov's discovery of the lecithin-choline relation. p. 90.
Lorie, I. F. - Chronic pancreatitis. p. 92.
Ioffe, V. M. - Hazard of high-frequency currents and protective measures in industry; from records of the Industrial Hygiene Institutes of Socialist Countries, held in Moscow on October 18-21, 1961. p. 97.
Zaitsev, V. - Problems of renal pathology at the Twelfth All-Union Therapeutic Conference held at Erivan on October 5-7, 1960. p. 98.
Moskvina, T. N., Khakimova, A. M. - First All-Russian Congress of Hygienists and Sanitation Specialists, held at Omsk on October 6-10, 1960. p. 99.
Rozengarten, M. IU. - "Errors in surgical practice and their prevention" by N. I. Krakovskii and IU. IA. Gritsman. p. 101.
Busygin, N. V. - New ophthalmoscope. p. 103.
Shneider, M. S. - Discussion of the trypan blue skin test (Leshchinskii-Kavetskii's test), abstract. p. 105.
Shirianova, K. F., Maksimkina, A. P. - Case of complete congenital absence of the pericardium in a patient with pentalogy of Fallot, abstract. p. 105.
Arlevskii, I. P. - Case of an intermittent form of complete atrioventricular block in rheumatic endomyocarditis; abstract. p. 106.
Danovskii, L. V. - Lesion of the lungs in endarteritis obliterans; abstract. p. 107.
Zav'ialova, L. A. - Changes in the innervation of the bronchi in lung suppuration; abstract. p. 108.
Sheikman, M. B. - Changes in the proteins, lipoproteids and glucoproteids of blood serum, and the adrenocortical function in the sulfanilamide treatment of diabetes; abstract. p. 109.
Akzhigitov, G. N. - Diabetes insipidus following fracture of the basis cranii; abstract. p. 109.
Volkov, G. I. - Case of numerous foreign bodies in the stomach; abstract. p. 110.
Perevoshchikov, S. A. - Gastrolith formation following systematic drinking of shellac; abstract. p. 110.
Muradinov, E. M. - Metal fragment in the common bile duct from a wound received 18 years previously; [illegible] from [illegible], abstract. p. 111.
[illegible] outbreak of diphtheria in a village, abstract. p. 112.
Naumov, E. K., and others. - Fighting diphtheria in the country; abstract. p. 113.
Shamsutdinov, N. S. - Determining the toxigenicity of diphtheria bacilli using the so-called "manifestator pestis"; abstract. p. 113.
Titarenko, A. A. - Appendicitis in influenza patients; abstract. p. 114.
Alshibai, D. E. - Characteristics of the course of influenzal pneumonia in children; abstract. p. 114.
Skobnikova, V. K. - Anatomical changes of the brain in influenzal psychoses; abstract. p. 116.
Temkin, I. B. - Exercise therapy in the compound treatment of exacerbations of brucellosis; abstract. p. 116.
Matsievskii, V. A., Borzykh, P. L. - Efficacy of the combined treatment of protracted and chronic dysentery with antibiotics and immunogen; abstract. p. 117.
Skvortsov, F. T. - Determination of carboxyhemoglobin in dry blood spots; abstract. p. 118.
Troshin, V. D. - Infarction of the myocardium originating during an epileptoid fit, abstract. p. 119.
Kalikshtein, D. B., Guseva, L. L. - Oxyhemometric studies during exercise therapy in patients with postinsultus motor disorders, abstract. p. 119.

No. 2, Mar.-Apr. 1963.

Table of contents translated

Fatkullin, F. Kh. - Problems of tuberculosis control in the Tatar A. S. S. R. p. 3
Stepova, R. I. - Subcutaneous Koch tuberculin test in the differential diagnosis of tuberculosis p. 8.
Eliseeva, G. A., Rodionova, E. I. - Tracheobronchoscopy in tuberculosis. p. 12.
Avelina, E. P. - Study of the effectiveness of antituberculosis vaccination in young persons with a positive reaction to tuberculin. p. 15.
Mirimov, G. B. - Dynamic observation of tuberculomas of the lungs under dispensary conditions. p. 18.
Gil'iazutdinova, Z. Sh., Vinnikov, P. L., Gubaidullina, M. V. - Tuberculosis of femal genitalia. p. 22.
Klaramovich, N. I. - Technique of angiopulmonography p. 25.
Rytvinskii, S. S. - Changes in some indices of external respiration under the influence of aminazine and a neuroplegic mixture in pulmonary tuberculosis. p. 28.
Degtiareva, Z. Kh. - Treatment of bronchial asthma with hormone preparations. p. 33.
Simonenko, A. S. - Treatment of bronchial asthma by intratracheal administration of penicillin in a novocaine solution p. 35.
Avdonin, S. I. - Large-photograph fluorography of the accessory sinuses of the nose in a polyclinic, results of work during an influenza epidemic. p. 36
Alekseev, V. V. - Experience in the use of a polyvinyl chloride mask in ventral and recurrent inguinal hernias. p. 40
Alimov, Z. Z. - Significance of periappendicular changes in the development of early complications after appendectomy. p. 42.
Mustafin, M. A. - Staining of regional lymph nodes of the neck before their excision in cancer of the lower lip as a method of detection of metastases. p. 44.
Sadykova, M. K. - Basis for the use of nibufin for the removal of small ureterolithe. p. 47.
Latypov, A. L. - Pathogenesis of mottled osteoporosis p. 50.
Barskii, A. V. - Accelerated osteogenesis in incorrectly united and not united fractures. p. 52.
Bogdanovich, U. IA. - Treatment of malleolus fractures. p. 56.
Stepanova, T. I. - Treatment of sterility by Prof. V. V. Tret'iakov's method. p. 58.
Kurbatova, R. A., Beliaeva, V. A. - Procreative function of women after conservative myomectomy. p. 60.
Malkova, M. N., Ivanov, I. P., TSagiklan, N. A. - Clinical hematological characteristics of anemia in pregnant women. p. 61.
Manenkov, P. V., Lopeshkina, A. S. - Late pregnancy toxemias. p. 64.
Belogorskaia, E. V. - Experience in the use of the fluorescent antibody method in the diagnosis of colienteritis. p. 66
Zorin, A. B., Pisarev, IU. F. - Successful radical surgery in interventricular and interatrial septal defects. p. 69.
Tolkacheva, N. I., Serebriakova, L. N. - Two cases of intravital diagnosis of interventricular septum rupture following myocardial infarct. p. 70.
Arkhipov, E. P., Kuznetsov, G. M. - Use of N. G. Belen'kii's serum for hemostasis in surgical wounds. p. 71.
Krivorotova, M. M. - Undiagnosed foreign body in the bronchus leading to lung resection. p. 72.
Sigal, I. Z. - Pleurectomy in tuberculous pleural empyema of 25 years' duration. p. 73.
Eliashevich, B. L. - Tuberculosis of the thyroid gland. p. 75.
Mamontova, L. V. - Case of tuberculosis of the liver. p. 75.
Samoilov, G. S. - Repair of a large defect of the tibia in a fresh open fracture. p. 77.
Mamish, M. G., Akhunzianova, R. Kh. - Thiamine bromide in ulcers of the stomach and the duodenum. p. 79.
Molchanova, A. M. - Dystonia with painful manifestations of traumatic origin cured with a novocaine block. p. 80.
Sokolov, D. K. - Incidence of acute appendicitis in Kurgan Province. p. 81.
Zhuchkova, N. I. - Treatment of tuberculosis with Koch's tuberculin (1890-1891) and its criticism by Kazan physicians. p. 82.
Nepriakhin, G. G. - Scientific and civic activity of Professor N. M. Liubimov (1852-1906); on the 110th anniversary of his birth. p. 84.
Mikhelkin, V. IA. - Review of I. A. Gorokhover's book "Planning and expense analysis for the maintenance of a hospital and polyclinic." p. 87.
Kalinin, D. F., Romanova, R. M. - Review of H. F. Shul'ts, T. V. Meitsalova and L. L. Savel'eva's book "Textbook of the Latin language." p. 88.
Shulutko, L. I. - Second International Congress on Rehabilitation p. 89.
Medvedev, N. P., Shulutko, L. I. - Second All-Russian Congress of Surgeons. p. 93.

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA Eksperimentalas un klinikas medicinas instituts. Trudy Instituta eksperimental'noi i klinicheskoi meditsiny Akademii nauk Latviiskoi SSR [ACADEMY OF SCIENCES OF THE LATVIAN S S R Institute of Experimental and Clinical Medicine. Transactions]. Riga, no. 26, 1962.

LIKARS'KYI VISNYK. MEDICAL JOURNAL. Issued by Ukrains'ke likars'ke tovarystvo Pivnichnoi Ameryky [Ukrainian Medical Association of North America]. New York, vol. 10, no. 4(31), Oct. 1963.
(DNLM)

* MEDITSINSKAIA RADIOLOGIIA [MEDICAL RADIOLOGY] Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U. S. S. R.]. Moscow, vol. 8, no 2, Feb. 1963

Table of contents translated

Martirosov, K. S., Trachev, V. P. - Examination of the functional state of the liver with the aid of radioactive Rose Bengal. p. 3.
Sivachenko, T. P., Slavnov, V. N. - Functional state of the thyroid gland in thyrotoxicosis at various periods following radioactive iodine therapy p. 5.
Krongauz, A. N., Allev, B. M. - Influence of field dimensions on the effectiveness of the method of radiation in static distance X-ray and gamma therapy. p. 10
Vakhtel', V. S., Sinenko, L. F. - Effect of cystamine hydrochloride on the development and course of radiation sickness in patients subjected to roentgenoradiotherapy. p 13.
Bystrova, IU. A. - State of ocular accommodation in radiotherapy. p. 19.
Getter, L. I. - Case of radiation sickness caused by radioactive cesium. p. 23.
Muksinova, K. N. - Use of bone marrow suspension in superlethal radiation injuries. p. 25.
Bogatov, L. V. - Reaction of the blood system in dogs to massive hemorrhage in late periods following a chronic action of ionizing radiation. p. 28.
Gruzdev, G. P., and others. - Disorders in the processes of cell regeneration in the bone marrow of rats subjected to ionizing radiation. p. 35.
Ul'ianov, M. I., Sakharov, B. V. - Change in the pain-induced leucocytic reaction in radiation and combined radiation injuries. p. 42
Akoev, I. G., Lagun, M. A. - Decrease in the immunobiological resistance of the body as a manifestation of an irreversible component of radiation injury. p. 47.
Zaretskii, I. I., and others. - Experimental study of the combined action of antineoplastic antibiotics and X-ray irradiation in leukemias. p. 51.
Antipenko, E. N. - Residual phenomena and late sequelae of acute radiation sickness in man. p. 56.
Bochkarev, V. V., and others. - Determination of the dose of radiation from β-applicators. p. 66.
Vainberg, M. Sh., Vershinin, N. V. - Control of the Cs^{137} preparation in the γ-apparatus GUTR-Cs-400 p. 73.
Nadzharov, A. G., Rozin, D. L. - "Radiation therapy of breast cancer" by T. G. Larishchenko. p. 76.
Zedgenidze, G. A., Elashov, IU. G. - "Film defects in X-ray practice" by E. A. Zimmer. p. 78.
Zedgenidze, G. A., and others. - Tenth International Congress of Roentgenologists and Radiologists. p. 80.
(DNLM)

* MEDITSINSKII REFERATIVNYI ZHURNAL [MEDICAL ABSTRACTS]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U. S. S. R.]. Moscow, Razdel [Section] 1, vol. 7, nos. 9, 11, Sep., Nov. 1963. Razdel [Section] 2, vol. 7, nos. 9-10, Sep.-Oct. 1963. Razdel [Section] 3, vol. 7, no. 11, Nov. 1963. Razdel [Section] 4, vol. 7, nos. 9, 11, Sep., Nov. 1963. Razdel [Section] 5, vol. 7, no. 10, Oct. 1963. Razdel [Section] 6, vol. 7, no. 11, Nov. 1963. Razdel [Section] 7, vol. 7, nos. 9, 11, Sep., Nov. 1963. Razdel [Section] 9, vol. 7, no. 11, Nov. 1963. Razdel [Section] 10, vol. 7, nos. 9-10, Sep.-Oct. 1963.

MOSCOW. OBLASTNOI NAUCHNO-ISSLEDOVATEL'SKII KLINICHESKII INSTITUT. Trudy molodykh nauchnykh sotrudnikov [PROVINCE SCIENTIFIC RESEARCH CLINICAL INSTITUTE. Papers by Young Research Workers]. No. 1, 1959.

Table of contents translated

Introduction. p. 3.
Buachidze, O. Sh. - Injury of the knee joint menisci and their treatment. p. 5.
Buachidze, O. Sh. - Uncomplicated fractures of the spine and their treatment. p. 12.

Tsaturin, V.G. - Primary cancer of a bronchial stump following pneumonectomy due to tuberculosis. p. 18.
TSaturin, V.G. - Roentgenoanatomic substantiation of radiography of the pulmonary artery p 22.
Gurevich, B.F. - Pseudotraumatic cysts of the lungs. p 29
Krestovnikova, T.S. - Surgical treatment of "sandclock"type tumors in the spinal cord p. 35.
Shadin, M.IA - Osteosynthesis by means of a metallic bolt used in traumatology, orthopedia, and restorative surgery. p 39.
S.E.Shonosenko, V.M. - Several cases of dislocation of the semilunar bone. p. 43.
TSaturin, V.G. - Clinical use of arteriography p. 47.
Strukova, V.I. - Mechanical jaundice according to materials of the surgical clinics of the Moscow Provincial Scientific Research Clinical Institute. p 50.
Rogachikova, T.A. - Olfaction in patients following laryngectomy. p. 55.
TSukerberg, L.I. - Respiratory function of the larynx. p 58.
TSukerberg, L.I. - Respiration in patients following complete excision of the larynx due to cancer p. 61
Akhunova, A.M., Pinegina, N.L. - Primary suture in antrotomy in breast-fed infants and young children. p 65
Popova, A.I - State of the corneal nerves in burns of the eye. p. 70.
Kirillova, T.F. - Use of the gontioscopic method in a study of the state of the angle of the camera oculi anterior in glaucoma. p. 73.
Matveeva, N.A. - Change in the phagocytic activity of the leucocytes of peripheral blood in children under the influence of a tonsillectomy. p. 77.
Dedikova, L.A. - Conservative treatment of chronic tonsillitis in children. p. 82.
Chistiakova, V.I. - Clinical aspects and treatment of hypertrophy accompanied by frequent vomiting. p. 85.
Il'ich, O.V. - Conditioned reflex vomiting in children. p. 91.
Chistikova, V.I., Malinovskaia, T.N. - Change in some functions of the gastrointestinal tract in children's diseases. p 95.
Kotova, T.G., Lettes, F.L. - Pathogenesis of disorders in the physical development of children. p. 101.
Perkovich, E.A. - Roentgenological changes in the bones during the treatment of rickets in children based on adequate feeding. p. 107
Zakharova, T.N., Pavlovicheva, N.V. - Morphological changes in the tubular bones in rats in relation to the composition of their food ration in experimental prophylaxis and treatment of rickets. p. 110.
Chistikova, V.I. - Effect of a limited decrease of the protein content in the food ration on the development of a growing organism. p. 120.
Stepanova, K.V. - Anemia in children fed with goat's milk. p 123.
Stepanova, K.V. - Prof. Shcherbak's thermoregulating reflex in children with different diseases. p. 128.
Kuvaeva, K.V. - Diagnostic importance of the vascular formations of the skin (spider angiomas) in children. p. 133.
Artamonova, L.M. - Morphology of cystoid pneumatosis in the lungs of children. p. 136.
IUdin, IU.G. - Malignant tumors of the adrenal glands in newborn infants. p. 141.
Larchenko-Doron, N.T. - Pulmonary reflexes in the therapy of bronchial asthma. p. 143.
Alafanova, A.S. - Changes in the thermoregulating reflex in hypertension patients. p. 152.
Vil'dt, M.O. - Clinical aspects of periarteritis nodosa. p. 161.
Pichugin, V.A., Rubo-Gol'dman, L.L. - Treatment of diabetes insipidus by means of bitemporal diathermy of the brain; a preliminary report. p. 169.
Gatkina, M.F. - Some clinical electrocardiographic data on patients with obliterating endarteritis. p. 174.
Larchenko, N.T., IUdin, IU.G. - Lethal outcome in bronchial asthma. p. 178.
Akimova, A.N. - Chronic myeloid leukemia of a megakaryothrombocytic form. p. 182.
Vengerova, A.N. - Conductive vasomotor disorders in lesions of the spinal cord. p. 184.
Vengerova, A.N. - Segmental vasomotor disorders in diseases of the spinal cord. p. 187.
Dyshko, A.S. - Studies of the pathophysiology of the itching sensation. Report No. 1. p. 191.
Dyshko, A.S. - Pruritus provoked by conditioned reflexes. Report No. 2. p. 198.
Kheiod, K.N. - State of dispensary service for the rural population in Moscow Province; according to data of the annual reports for 1955-1956. p. 204.
Odinokova, V.A. - Morphological changes in the myocardium in thyrotoxicosis. p. 209.
Korshikova, M.A. - Changes in the heart in hypertension in the light of roentgenanatomical studies. p. 213.
Braude, V.I. - Cholecystitis and cholelithiasis. Report No. 1 p. 218.
Antipov, B.V. - Pseudomyxoma of the peritoneum. p 222.
Toropov, IU.M. - Method of implanting electrodes in the area of the aortal arch for the purpose of stimulating its reflexogenic zones under chronic experimental conditions. p 225.
Perestonin, S.A - Artificial blood circulation by means of the SB-3 automatic injector in an experimental exclusion of the heart. p. 229.
Podrabinek, P.A. - Data concerning the role of hemotonia in erythrocyte sedimentation reaction. p. 234.
Podrabinek, P.A - Relation between erythrocyte sedimentation reaction and the quantity of erythrocytes in the blood. p. 241.
Sokolov, V.I. - Transfusion of blood saturated with molecular oxygen in an experiment. p. 251.
Triantafillidi, I.G. - Surgical treatment of patients with otogenous thrombophlebitis p 260.
Triantafillidi, I.G. - Use of anticoagulants in septic thrombosis of the venous system in otorhinolaryngology. p. 266
Triantafillidi, I.G. - Use of the vagosympathetic blockade in otorhinolaryngological diseases and in otogenous sepsis. p. 276.
(DNLM)

REFERATIVNYI ZHURNAL: MEDITSINSKAIA GEOGRAFIIA (Otdel'nyi vypusk 36) [JOURNAL OF ABSTRACTS: MEDICAL GEOGRAPHY (Separate Issue 36)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 11, Nov. 1963.

SOVETSKOE MEDITSINSKOE REFERATIVNOE OBOZRENIE [ABSTRACTS OF SOVIET MEDICAL LITERATURE]. Predmetnyi i imennoi ukazatel' k sbornikam izdaniia 1955 g. [Subject and Author Index for 1955]. Moscow, no. 7, 1956.
(DNLM)

SVEIKATOS APSAUGA [HEALTH SERVICE]. Issued by LTSR Sveikatos apsaugos ministerija [Ministry of Health of the Lithuanian S.S.R.]. Vilnius, vol. 6, no. 11(65), Nov. 1963. [In Lithuanian]
(DNLM)

VESELIBA [HEALTH]. Issued by Latvijas PSR Veselibas aizsardzibas ministrija [Ministry of Health of the Latvian S.S.R.]. Riga, no 12(67), Dec. 1963. [In Latvian]

ZDRAVOOKHRANENIE [HEALTH SERVICE]. Organ of Ministerstvo zdravookhraneniia Moldavskoi SSR [Ministry of Health of the Moldavian S.S.R.]. Kishinev, vol. 6, no. 3, May-June 1963.

Table of contents translated.

Address of the participants of the Fifth Republic Conference of the Representatives of Preventive Medicine to all medical personnel of the Moldavian S.S.R. p. 3.
Chebaniuk, I.F. - Outpatient mortality in Kishinev in 1961; selective study. p. 5.
Onopriienko, M.G., Shinkariuk, V.G. - Artesian water in Moldavia and the sanitary and technical conditions of its use. p. 9
Kripa, G.M. - Nonoccupational injuries in adults according to data of the Kishinev Emergency Hospital. p. 12.
Chernetskii, O.E., Molovanova, A.Kh. - Statistical reports of the medical and obstetrical station. p. 14.
Goteeul, V.V. - Some indices of external respiration in rheumatism in children. p. 18.
Sergeev, V.M. - Clinical significance of the study of the functions of external respiration in surgery on the pleura. p. 24.
Spynu, A.V. - Circulating blood volume during chronic suppurative processes in the lungs. p. 27.
Revenok, N.D. - Observation on the effectiveness of the live measles vaccine developed by the Pasteur Institute of Leningrad. p. 30.
Kuznetsova, I.V. - State of the vascular and nerve apparatus of the tunica albuginea testis in varicocele. p. 33.
German, D.G. - Changes in the nerve cells of the pia mater of the spinal cord in closed injuries. p. 37.
Berezov, IU.E., Golonzko, R.R., IUpatov, S.I. - Roentgenological characteristics of by-pass anastomoses nonremovable in cancers of the esophagus and the cardial section of the stomach. p. 40.
Aizenberg, V.P., Shvarts, V.M. - Diagnosis of malignant tumors of the ovaries. p. 44.
Bronshtein, G.A. - Difficult intubation in intratracheal anesthesia. p. 47.
Kanonova, B.S., and others. - Late results of the treatment of tuberculous meningitis by a compound method in the Moldavian S.S.R. p. 49.
Bushmin, F.I. - Methodology of electrocardiography. p. 52.
Frenkel', V.Kh., Bronshtein, G.A., Kutsarov, I.Kh - Roentgenological diagnosis of splenic echinococcosis. p 56
Grossman, E.G. - Developmental anomaly of the pulmonary artery. p. 57.
Kessel', IU.R. - Subcapsular diphasic rupture of the liver p. 58.
TSybuliak, S.N - A case of balantidiasis with an unusual course. p. 59.
Grigor'eva, N.P., Zisman, I.F. - Sarcoma of the scrotum. p. 60.
Book reviews. p. 61.
Brief news. p. 63.

ZDRAVOOKHRANENIE ROSSIISKOI FEDERATSII [HEALTH SERVICE OF THE RUSSIAN FEDERATION]. Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 7, no. 10, Oct. 1963.

Table of contents translated.

Decade since the September (1953) Plenum of the Central Committee of the CPSU and the achievements in medical care for the rural population. p. 3.
Panikratov, K.D. - Standards for rendering urological aid to the urban population. p. 6.
Korol'kova, T.A. - Standards of physiotherapeutic service for the urban population at the existing level of the general incidence of disease and hospitalization. p. 12.
Afanas'eva, V.M. - Traumatism among the rural population of the Oboyan' District, Kursk Province, in 1961. p. 17.
Murav'ev, N.V. - Training head physicians of district hospitals to analyze the activities of therapeutic and prophylactic institutions. p. 20.
Kolfman, I.A. - Automatic installation for the control of the dispatcher's work at a first aid station. p. 22.
Kossaia, A.I., Grabovskaia, T.V. - Method of evaluating diagnoses made by first aid physicians. p. 23.
Sarkisov, M.A. - Problems of pediatric traumatism in first aid practice. p. 26.
Popov, S.N. - Some problems of primary specialization of radiologists at local bases. p. 28.
Savina, P.N. - Results of the work of a floating polyclinic rendering medical care to the population. p. 30.
Belitskaia, E.IA. - Statistical coefficients and their use in sanitary statistics. p. 32.
IAkubova, E.N. - Financial crisis in the hospitals of the Federal Republic of Germany. p. 36.
Bednyi, M.S. - Review of the book, "For the health of the working people." p. 40.
Tokunov, V.S. - Measures for the further improvement of antituberculosis treatment for the population of the R.S.F.S.R. and decrease in the incidence of tuberculosis. p. 43.
Aleksandrov, A. - Memorandum for supervisors, chairmen of local committees and bookkeepers of preventive medicine institutions. p. 44.
Andreev, I.Kh. - Nikolai Ivanovich Krakovskii; on his 60th birthday. p. 48.

Vol. 7, no. 11, Nov. 1963.

Table of contents translated:

Trofimov, V.V. - Status of the public health service of the R.S.F.S.R. and the tasks of its agencies for the next few years. p. 3.
Bogatyrev, I.D. - Method of determining the volume of work of medical institutions rendering dispensary service to the population (in accordance with the regulations of the new program of the CPSU). p. 10.
Popov, G.A. - Some new methodological techniques of planning public health service. p. 16.
Nesterov, V.A. - Study of cardiovascular diseases by the contingents of patients. p. 23.
Ponazdyr', K., Rozhkov, V. - Consolidation of rural district hospitals in Novosibirsk Province. p. 27.
Frolov, O.G. - Analysis of the causes of child mortality. p. 29.
Grazhul', V.S. - Problems of motherhood and childhood protection in capitalistic countries. p. 31.
Ivakina, V.N. - Fundamental indicators of the development of public health service at the beginning of 1963. p. 36.
Zabludovskii, P.E. - "Transactions of the Medicohistorical Conference of the Ural-Siberian Provinces." p. 40.
Orlov, G.A. - Concerning the organizing of laboratory work in sanitary epidemiological stations. p. 41.
Geizer, I.M. - A.P. Chekhov on instruction. p. 42.
Bednyi, M.S. - All-Russian Conference on Public Health. p. 44.

b. GYNECOLOGY, OBSTETRICS & PEDIATRICS

PEDIATRIIA [PEDIATRICS]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 42, no. 5, May 1963.

Table of contents translated:

Nosov, S.D. - "Urgent problems of clinical diagnosis of influenza and influenzalike virus infections in children. p. 3.

Sukhareva, M.E., and others.- Combination of virus infections. p.9.
Sun Lin'-Lin' [Sung Lin-lin] - Fluorescence method of rhinocytoscopic diagnosis of influenza in children. p.15.
Buzhievskaia, T.I. - Rhinocytoscopy in newborn infants as a method of early diagnosis of influenza. p.20.
Kolesnikov, G.F. - Characteristics of "minor" disease in a children's home caused by the Covsackie B1 virus. p.27.
Ganzburg, S.E. - Clinical characteristics of lesions in the nervous system caused by the ECHO type 9 virus. p.33.
Avanesova, A.G., Niscvich, N.I. - Role of enteroviruses in the etiology of intestinal diseases in children. p.36.
Manoim, I.M. - Differential diagnosis of serous (aseptic) meningitis of enteroviral etiology (with respect to S.E. Ganzburg's and V.I. Freidkov's article). p.40.
Denderskaia, S.M. - State of the hepatobiliary system in children after a mild and a moderately severe form of Botkin's disease. p.42.
Critsenko, A.N., and others.- Use of laboratory methods in the detection of aborted and anicteric forms of epidemic hepatitis in children. p.51.
IAblokova, M.L., and others.- Seroprophylaxis for Botkin's disease in children's institutions. p.54.
Speranskii, G.N., Rozental', A.S. - Classification of gastrointestinal diseases of small children. p.55.
Afanas'eva, A.P., and others - Etiological structure of intestinal infections in small children. p.57.
Davidov, V.P., Galaev, IU.V., Gubarev, E.M. - Some problems of the pathogenesis of intestinal diseases caused by coli infections in young children. p.63.
Alekseeva, O.N. - Clinical characteristics of dysentery in children during their first year of life. p.68.
IArovoi, L.V., and others.- Clinical and epidemiological characteristics of an outbreak of Q fever in children. p.73.
Abstracts. p.77.
Annotations. p.90.
Book reviews. p.93.
(DNLM)

c. NEUROLOGY & PSYCHIATRY

MOSCOW. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PSIKHIATRII Trudy [STATE SCIENTIFIC RESEARCH INSTITUTE OF PSYCHIATRY. Transactions]. Moscow, vol.38, 1963. Alkogolizm i alkogol'nye psikhozy [Alcoholism and alcoholic psychoses]

Table of contents translated.
Foreword p.3
Khodos, Kh.G. - Alcoholic polyneurites. p.11
Demichev, A.P. - Clinical aspects of the syndrome of acute cervical radiculitis in alcoholism p.24
Fel'dman, E.S - Forms and variations of acute alcoholic intoxication. p.38.
Khaletskii, A.M - Criteria for the evaluation of behavior during alcoholic intoxication. p.49.
Rakhal'skii, IU.E. - Alcoholism in young people. p.57.
Bonnevich, V.V., Gofman, A.G. - Changes in the forms of alcohol consumption in the dynamics of alcoholic disease. p.63.
Svinnikov, S.G. - Clinical characteristics of the alcohol abstinence syndrome. p.77.
Udintseva-Popova, N.V. - Clinical aspects and pathogenesis of the hangover syndrome. p.93.
Averbakh, IA.K. - Repeated abstinence [symptoms] in the clinical aspects of alcoholism. p.101
Rozhnov, V.P., Turova, Z.G., Gal'perina, L.E. Some neurodynamic and biochemical changes in chronic alcoholics under the influence of small doses of alcohol p.203
Demichev, A.P., Grigorovich, N.N - Data on pneumoencephalographic examination of chronic alcoholics p.211.
Baskina, N.F. - Some disorders of higher nervous activity in chronic alcoholism. p.230
Korolenko, T.S.P - Oxidizing processes in delirium tremens p.235.
Shapiro, IU.L., Gofman, A.G. - Change in the morphological composition of "white" blood in acute alcoholic psychoses. p.241
Dushenko, S.D - Pathologicoanatomical changes in the central nervous system and viscera in acute dichloroethane poisoning. p.249
Kamolov, Sh.K. - Level of the alcohol content in the blood in various stages of alcoholism. p.256.
Lukomskii, I.I - Principal problems in the treatment of chronic alcoholism. p.271
Strel'chuk, I.V. - Nervous mechanisms of the therapeutic effect of temposil (calcium carbamide citrate) in chronic alcoholism p.282
Segal, B.M., Averbakh, IA.K. - Experimental and clinical data on the testing of citamide (calcium carbamide citrate), a new preparation for the treatment of alcoholism. p.289.
Zenevich, G.V - Differentiation of outpatient treatment in alcoholism. p.295.
Zhuravleva, M.V., Pavlova, I.V., Svinnikov, S.G. - Results of active outpatient service for alcoholics in the collective of an industrial plant. p.302.
Bonnevich, V.V., Gofman, A.G., Shumskii, N.G. - Methodology of supporting antabuse treatment under the conditions of a psychoneurological dispensary. p.306.
Vol'f, M.Sh - Treatment of chronic alcoholism and prevention of relapses under dispensary conditions p.318.
Gal'perin, IA.G. - Organizing the treatment of chronic alcoholism under conditions of a specialized hospital ward p.326.
Svinnikov, S.G. - Role of preparations of the thiol series (unithiol, dicaptol) in the treatment of alcoholism p.331.
Kalinina, N.P. - Psychotherapeutic component in the treatment of acute alcoholic hallucinosis p.338.
Sokolova, B.V. - Complications in antabuse treatment. p.344.
Andreeva, V.S. - Characteristics of remissions in chronic alcoholism following a course of antabuse treatment p.355.
Kuznetsov, A.I - Results of using aminazine in alcoholic abstinence [symptom] and its effect on thermoregulating reactions. p.360.
Banshchikov, V.M. - Alcoholism and the organization of treatment of alcoholic diseases in the light of data from psychoneurological institutions of the R.S.F.S.R. p.371.
Simonov, P.K. - Principles of the organization of antialcoholism work in a network of somatic and psychoneurological institutions. p.377.
IAnushevskii L.K. - Results of antialcoholism work of the psychoneurological dispensaries of the City of Moscow. p.384.
Rapoport, A.M. - Problems of diagnosis and expertises on alcoholic intoxication in the U.S.S.R. and foreign countries p.390
Rybal'skii, M.I. - Compulsory treatment of chronic alcoholics p.400.
Shlishov, N.M. - Organization and effectiveness of the treatment of chronic alcoholics under conditions of a somatic hospital. p.409.
Timoshenko, V.Z. - Results of active prevention of alcoholism. p.415.
Orlovskii, L.V. - Methodology of antialcoholism p.41c.
Portnov, A.A. - Clinical, social roblems of alcoholism in V.M. orks. p.427.
S.S. Korsakov and the combat of p.434.
History of the study of clinical aspects oholism. p.442.

'ATOLOGII I PSIKHIATRII [JOURNAL IOLOGY AND PSYCHIATRY]. Issued bshchestvo nevropatologov i psikhia- Society of Neuropathologists and Moscow, vol.62, no.12, 1962.
ontents translated
, Popova, L.M., Kondkarian, O.A. - ior poliomyelitis. Report No.2. of subacute anterior poliomyelitis.
- Pathology of the connections of the r in the vascular foci of the brain.
leuronal structure of the cortical the auditory analysor in lower 777.
an, I., Sirakov, A. - Electrographic aluation of the muscle tonus. p.1784.
Person, R.S. - Study of electrical muscular activity of the fasciculan type (dermal derivation). p.1789
Akimenov, U.Sh. - Chronaximetric analysis of cortical neurodynamics in cerebral hemiparesis of vascular origin. p.1793
Gol'denberg, M.A - Reproduction of "psychopathological" syndromes in animals in connection with tofranil intoxication p.1799.
Grinshtein, V.IA., Ratenberg, N.S., Morozova, T.N. - Data of an experimental and clinical study of transamine, a new monoamine oxidase inhibitor. p.1806
Bundakova, E.A., Vedernikova, N.A., Kornilaeva, N.P - Antidepressive action of transamine, preliminary report. p.1813.
Kutin, V.P. - Effect of pirikhol on carbohydrate metabolism in schizophrenia patients and the possibility of its use in insulin therapy. Report No.1 p.1815
Il'luchenok, R.IU., Pastukhov, IU.F. - Electrophysiological study of the effect of pirikhol on the central nervous system. p.1821.
Savitskii, V.V. - Bioelectrical activity of the muscles and the temperature of the body in mental diseases with a catatonic syndrome p.1832.
Deglin, V.IA. - Electrical activity of the cerebral cortex of schizophrenia patients of preschool age. p.1837
Shternberg, E.IA., Leibovich, F.A., Korchinskaia, E.I. - Clinical and electroencephalographic studies of patients with Huntington's chorea and their relatives p.1843.
Lando, L.I. - Chromatographic study of the amino acids of blood serum in schizophrenia patients p.1855.
Maizelis, M.IA. - Penetration of radioactive phosphorus isotope into the cerebrospinal fluid in case of introduction through the mucosa of the nose in patients with schizophrenia and other mental diseases. p.1863.
Gindis, I.Z. - Transitory (pseudremission) states in schizophrenia. Report No.2. Prognostic importance of postinsulin transitory states p.1868.
Bondarev, V.N., Voltinskii, E.IA., Dedov, V.I. - Late results of prefrontal leukotomy according to clinical, X-ray and electroencephalographic data p.1874
Belov, S.V., Ziuzin, V.I. - In V.M. Bekhterev's Museum, on the 35th anniversary of V.M. Bekhterev's death. p.1879.
Shternberg, E.IA. - "The senile brain a clinical study" [in English] by R.S. Allison. p.1882
Mel'nikov, S.A., Shtul'man, D.R. - "Acute disorders in the cerebral blood circulation"; "Trudy" of the Institute of Neurology of the Academy of Medical Sciences of the U.S.S.R., No.1, p.1886.
Solomon Abramovich Rossin, on his 60th birthday and 35th anniversary of medical, scientific and civic activities. p.1889.
Izrail' Abramovich Berger. p.1890.
Feizullaev, A.V. p.1891.
Author index to vol.62. p.1892.
Subject index to vol.62 p.1902

Vol.63, no.2, 1963.
Table of contents translated:
Popov, N.A. - Clinical aspects of tumors of the spinal cord and the spine; about some difficulties and errors of diagnosis. p.161.
Pavlovskii, IA.M - Metastatic cancer of the brain with the primary source in the lungs and bronchi and the limits of surgical intervention. p.167.
Khokhlova, V.V. - Late metastasizing of medulloblastomas of the posterior cranial fossa in children. p.173.
Malysheva, T.S. - Importance of the study of unconditioned reflex salivation in differential diagnosis of tumors of the frontal lobe and posterior cranial fossa. p.177.
Lebedev, A.N. - Venography in tumors of the subcortical ganglia. p.181.
Likhterman, L.B. - Dynamics of the electroencephalogram in tumors of the septum pellucidum of the brain p.187.
Maiorchik, V.E., Gabibov, G.A. - Characteristics of local and general brain changes as reflected in the EEG in parasagittal arachnoid endotheliomas p.195.
Shmel'kin, D.G. - Disorders of bioelectrical activity in vascular tumors of the cerebral hemispheres. p.203.
Savenko, IU.S., Knitor, B.S. - Clinical aspects and histopathology of tuberous sclerosis. p.207.
Antonov, I.P., Sizonenko, T.P. - Some data on the state of the hematoencephalic barrier in cerebral cysticercosis. p.213
Chursina, A.I. - Some symptoms in the arm and shoulder girdle in patients with a tumor of the glomus jugulare. p.217.
Neimark, E.Z. - Bone xanthomatosis (Hand-Schueller-Christian disease) in an adult and neurological changes associated with it. p.220.

Vein, A.M., Grashchenkov, N.I. - Hypersomnia syndrome, classification, clinical aspects, pathogenesis, and treatment. p. 225.
Tonkonogii, I.M., TSukkerman, I.I. - Use of images distorted by fluctuations in the study of disorders of visual gnosia p. 236.
Gullamov, M.G. - Clinical aspects of Clérambault-Kandinsky syndrome of psychic automatism in alcoholic psychoses. p. 240
Pechernikova, T.P. - Pathological litigiousness in psychopathic personalities. p. 244.
Diefkher, V.M., Zolotnitskii, R.I. - Development of delirium in epilepsy. p. 251.
Lebova, L.P. - Effect of a brain injury on the course of schizophrenia. p. 254.
TSeitlin, V.L. - Mental disorders in systemic lupus erythematosus. p. 259.
Borinik, T.L., Kalandarishvili, A.S. - Some variants of remission in the clinical aspects of schizophrenia during aminazine therapy. p. 263.
Galenko, V.E., Kel'mishkeit, E.G. - Treatment of patients with a paranoid form of schizophrenia by means of stelazine. p. 269.
Pozdniakov, V.S. - Role of aminazine in the treatment of epilepsy. p. 276.
IAkson, Z.P. - Differential diagnosis of aminazine hepatitis and Botkin's disease. p. 280.
Zav'ialov, A.V. - Increasing the apomorphine effect with zinc or copper sulfates in the treatment of chronic alcoholism p. 284.
Krasik, E.D. - Secondary prophylaxis of schizophrenia in a provincial psychiatric neurological dispensary, a district hospital, and a rural medical center. p. 290.
Banshchikov, V.M., Stollarov, G.V. - Adrenaline metabolism and mental disorders. p. 295.
Galant, I.B. - True nature of febrile schizophrenia. p. 303.
Shchevskii, I. - "Method of experimental study of higher nervous activity in man" by V.K. Faddeeva p. 305.
Mirel'zon, L. - "Essays on gynecological psychiatry" by A.N. Molokhov. p. 306.
Mikhailov, A.K. - "Hypochondriac schizophrenia" by G.A. Rotshtein. p. 307.
Terpugov, E.A. - "Angiography in the diagnosis of tumors and vascular diseases of the brain" by M.D. Gal'perin. p. 308.
Terpugov, E.A. - "Tumors of the pineal gland" by A.P. Burlutskii. p. 309.
Zinov'ev, I.A. - "A.IA. Kozhevnikov and the Moscow school of neuropathologists" by IU.P. Lisitsyn. p. 310.
Strelitskin, A.K., and others. - Results of training psychiatrists at a local base in Ryazan Province. p. 313.
Lipunov, R.G. - Results of three years' work in two-stage service for patients in a Crimean provincial psycho-neurological clinical hospital. p. 314.
Dube, K.S. - Elimination of closed wards, experience of an Agra hospital. p. 316.
Ivan Borisovich Galant, on his 70th birthday. p. 319.

• ZHURNAL VYSSHEI NERVNOI DEIATEL'NOSTI [JOURNAL OF THE HIGHER NERVOUS FUNCTION]. Published by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 13, no. 5, Sep.-Oct. 1963.

Table of contents translated:

Voronin, L.G - Basic concepts of the materialistic teaching on cerebral activity. p. 763.
Anan'ev, B.G. - I.M. Sechenov's "Brain reflexes" and present-day psychology. p. 772.
Asratian, E.A - Tonic conditioned reflexes as a form of integrated brain activity. p. 781.
Teplov, B.M., Nebylitsyn, V.D. - Experimental study of the properties of the human nervous system. p. 789.
Rusinov, V.S - Electrophysiological study of excitation foci in the central nervous system. p. 798.
Sokolov, E.N - Orienting reflex as a cybernetic system. p. 816.
Airapet'iants, E.Sh., Batuev, A.S. - Sechenov's theory on reflex space perception and several ways of its modern development p. 831.
Bulygin, I.A. - Characteristics of cortico-subcortical mechanisms of interoceptive and exteroceptive reflexes p. 845.
Rotlbak, A.I. - Nature of cortical inhibition. p. 859.
Narikashvili, S.F., Moniava, E.S. - Effect of reticular stimulation on cortical responses arising during simultaneous peripheral stimulation of three afferent systems. p. 870.
Gershuni, G.V. - Evoked potentials and mechanisms of discrimination of an external signal. p. 882.
Serkov, F.N., Makul'kin, R.F. - Cerebral electrical activity following hemispherectomy. p. 891.
Karamian, A.I., Belekhova, M.G. - Functional evolution of the nonspecific thalmo-cortical system. p. 904.
Voronin, L.G, Kotliar, B.I. - Cortical electrical activity during the process of forming and reinforcing motor food and defense conditioned reflexes. p. 917.
Biiks, Z.N, Kosilov, S.A. - Physiological analysis of the formation of a lathe operator's working habits in school children p. 928
Aleksandrovskaia, M.M - Morphological changes in the animal brain following local introduction of strychnine. p. 939
Pavlova, B.V., Lange, K.A - Twentieth Conference on the Problems of Higher Nervous Activity p. 946

d. OPHTHALMOLOGY & OTORHINOLARYNGOLOGY

KIEV. UKRAINSKII EKSPERIMENTAL'NYI INSTITUT GLAZNYKH BOLEZNEI I TKANEVOI TERAPII Uchenye zapiski [UKRAINIAN EXPERIMENTAL INSTITUTE OF EYE DISEASES AND TISSUE THERAPY Studies]. Vol 5, 1962 Voprosy oftal'mologii i tkanevoi terapii [Problems of ophthalmology and tissue therapy]

Table of contents translated:

Puchkovskaia, N.A., Rukin, V.A. - The 25th anniversary of the Academician V.P. Filatov Institute. (1936-1961). p. 3.
Bushmich, D.G. - Contribution of Ukraine's ophthalmologists to the development of corneal transplantation. p. 14.
Barkhash, S.A., and others. - Causes of blindness; from data of the Ukrainian Scientific Research Institute for Eye Diseases and Tissue Therapy for the period 1946-1955. p 21
Puchkovskaia, N.A. - Complete transplantation of the cornea with the scleral margin in coarse cicatricial staphylomas and ectatic cataracts p. 26.
Milovanova, V.P. - Transplantation of the cornea in amblyopic eyes with cataracts in adult persons. p. 46.
Voino-IAsenetskii, V.V. - Role of immune and allergic reactions in the taking of a graft and conditions of their manifestation in keratoplasty. p. 52.
Voino-IAsenetskii, V.V. - Homoplastic transplantation of cartilage from the ear to the cornea. p. 73
Volokitenko, A.E. - State of the color field of vision in glaucoma. p. 81.
Shevalev, A.E., Belovodskaia, IA E. - Elastotonometric examinations in Urov disease. p. 91.
Kopp, O.P. - State of the ophthalmotonus regulation during the development of experimental arterial hypertension. p. 96.
Voino-IAsenetskaia, A.V. - Effect of epibulbar anesthesia on the action of miotics and mydriatics. p. 99.
Lipovetskaia, E.M. - Experimental analysis of the mechanism of phenamine test. p. 109.
Kuryshkin, P.M. - Clinical aspects and surgical treatment of tumors of the optic nerve. p. 113.
Got'man, V.P. - Surgical treatment of insufficiency of the conjunctival cavity in anophthalmia. p. 130.
Logeza, G.V. - Late results of surgical treatment of grave synechiae of the palpebral conjunctiva with the bulbar conjunctiva. p. 147.
Logeza, G.V. - Examination of the moisture in a conjunctival sac produced by surgery. p. 156.
Babanina, IU.D. - Experimental study of the mechanism of the formation of a chorioretinal commissure in connection with surgical treatment of retinal detachment. p. 162.
Pazhibyl'skaia, IA.A. - Significance of studying the optic functions of the organ of vision in its traumas. p. 172.
Pikalova, L.D. - Late results of surgical intervention in lamellar cataracts. p. 181.
Filippova, T.P. - Treatment of tuberculous eye diseases with streptomycin and phthivazide in combination with tissue therapy. p. 185.
Terent'eva, L.S. - Late results of t[illegible] sympathetic ophthalmia. p. 190.
Panfilova, G.V. - Late results of th[illegible] herpetic keratitis. p. 195.
Malinovskii, A.A. - Some physiolog[illegible] in progressive myopia. p. 198.
Cherikchi, L.E. - Stability of the th[illegible] in the treatment of eye diseases w[illegible] electrophoresis (results of late ob[illegible] p. 209.
Malkovich, R.S. - Improvement of P[illegible] and Baltin's modification. p. 216.
Zbandut, I.S. - Experimental data o[illegible] isolated cornea. p. 219.
Belovodskaia, IA.E. - Aseptic expe[illegible] in rabbits. p. 224.
Vyrlan, E.A. - Effect of tissue ther[illegible] state of patients and especially or[illegible] logical reactions of the cardiovas[illegible] systems. p. 230.
Muchnik, S.R., Shul'gina, N.S. - E[illegible] therapy on the course of experim[illegible] diabetes. p. 236.
Zholnerovich, L.S. - Effect of tissu[illegible] the cholinesterase activity of the[illegible] in herpetic keratitis. p. 246.
Chicalo, I.I., Solov'eva, V.P. - En[illegible] of the intestinal juice of dogs in p[illegible] ministration of aloe extract. p. 2
Zholnerovich, L.S. - State of some oxidizing enzymes of the brain in tissue therapy. p. 259.
Barg, TS.M., Karpova, E.P - Effect of injections of mercury preparations on the biological activity of the blood. p. 263.
Shchastnyi, D.S. - Effect of preliminary administration of tissue preparations on the permeability of cutaneous tissue to pyogenic microbes. p. 269
IAnyk, N.V. - Effect of biogenic stimulants on the multiplication of cells in tissue cultures. p. 275.
Shchastnaia, N.E. - Effect of tissue preparations on the growth of pneumococcus in a bacterial culture. p. 280.
Sysoev, A.F., Il'icheva, V.P. - Study of the chemical composition of extracts from tissues preserved at low temperatures (nitrous substances of the extracts). p 284
Shul'gina, N.S., Cherniak, S.S. - Biological activity of tissue preparations from various tissues of animal origin. p. 293.
Solov'eva, V.P., Manturo, N.A. - Biological activity of some mixtures of tissue preparations. p. 302.
Martsinkevich, L.A. - Dry preparations from preserved tissues. p. 307.
Adamanis, L.I. - Development of standards for peat distillate. p 313
Dragoli, A.L. - Some data on the formation of biologically active substances in plants. p. 322.
Shpik, N.I. - Effect of volatile fractions of the phytoncides of garlic on the respiration of isolated tissues. p. 329.
Ershkovich, E.G., Rukin, V.A. - Bibliographical index of scientific papers published during 25 years (1936-1961) by the Ukrainian Institute for Eye Diseases and Tissue Therapy. p 333.
(DNLM)

e. PATHOLOGY & THERAPEUTICS

ARKHIV PATOLOGII [ARCHIVES OF PATHOLOGY] Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, no 2, 1963

Table of contents translated

Nekachalov, V.V. - Characteristics of changes in organs and tissues following prolonged cortisone therapy. p. 3.
Vikhert, A.M., Serebrovskaia, IU.A., Tinlakov, IU.G. - Renin and the juxtaglomerular apparatus in experimental nephritis. p. 17.
Kovalevskii, G.V. - Shunting of the renal circulation in hemorrhage, an experimental study. p. 24.
Serov, V.V. - Pathogenesis of amyloid nephrosis in the light of experimental data. p. 33.
Braude, V.I. - Pathology of the kidneys in tuberculosis, autopsy findings. p. 47.
Meshkov, N.V., Glezer, I.I., Panov, P.V. - Changes in the kidneys following the action of diethyl mercury. p. 53.
Bagramian, E.R. - Reaction of the adrenal gland in hypophysectomized rats to unilateral adrenalectomy, administration of adrenaline, and irradiation. p. 59.
Beletskaia, L.V., Chzhan Ven'-lui [Chang Wên-yü]. - Utilization of filtrates of hyaluronidase-active strains of Streptococcus in histochemical practice. p. 66.
Lushnikov, E.F., Rabina, E.V. - Histochemical determination of the activity of some dehydrogenases in autopsy material. p. 70.
Nepomniashchikh, L.M. - Combined method of detection of deoxyribonucleic acid and acid mucopolysaccharides. p. 76.
Nep[illegible]

Stetkevich, A A , Tercent'ev, V F. - Data on allergic diagnosis of tick-borne encephalitis p 37.
Kuzina, A I., Mukharova, L. S - Natural tularemia foci in Kemerovo Province. p 13
Zykina, N A - Importance of the water factor in the distribution of tularemia in Altai Territory. p 48
Kuzina, A I. - Importance of the water factor in the distribution of tularemia in Kemerovo Province. p 53.
Brikman, B M. - Outbreak of tularemia spread through water. p 59
Zamotin, B A , Vladimirova, A I - Water factor in the distribution of leptospirosis in the Kuznetsk Basin p 61
Novikova, V.N., and others - Natural leptospirosis focus in Shegarskvi District, Tomsk Province p 65.
Chazova, G , Mastenitsa, E - Effect of some antibiotics on Leptospira p 70.
Mikhailova, T.N - Effect of digestive juices on pathogenic Leptospira p. 73.
Tripolitova, A A. - Role of some protective mechanisms of the organism in listeriosis p 79
Odintsov, IU. - Characteristics of the sensitivity of Listeria to some antibiotics. p 85.
Zaitseva, A , Akishina, V. - Determination of the sensitivity of Listeria to antibiotics by the method of paper disks p 88
Tiushniakova, M K , and others. - Some data on the incidence and foci of lymphocytic choriomeningitis in Tomsk Province. p 91
Mastenitsa, M.A., Korolenko, G.A. - Study of the etiological structure of influenza in Tomsk p 96.
Mastenitsa, M A., Korolenko, G.A , Belova, F S. - Materials on the study of the 1959 influenza outbreak in Tomsk p 101.
Mastenitsa, M.A , and others - Epidemiological and virological characteristics of the 1959 influenza outbreak in Prokop'yevsk. p. 106.
Korolenko, G A - Study of influenza in its foci. p. 111.
Vasil'eva, I P , Gerasimenko, A.P. - Epidemiological role of carriers of the diphtheria bacillus in relation to its toxigenicity p. 115
Vul'fson, E A. - State of immunity to diphtheria in urban children of Tomsk Province according to the Shick reaction p. 118
Vasil'eva, I.P., Gerasimenko, A.P. - Inoculation against diphtheria in the rural region of Tomsk p. 123
Tikhonova, L IA - Toxigenic properties of local strains of the diphtheria bacillus. p 125.
Sirotinina, I.R , and others - Sensitivity of local strains on the diphtheria bacillus to antibiotics. p. 130.
Khomullo, M I., Naumova, E.S., Bystritskaia, T.I - Etiological picture of bacterial dysentery in the City of Tomsk p. 132
Khomullo, M I., Bystritskaia, T.I - Sensitivity of dysentery bacteria to streptomycin, levomycetin and biomycin p. 136
Morozov, K.A. - Quick diagnosis used in sanitary expertise of water infected by pathogenic microbes or their toxins. p 140.
Vygodchikov, G V - Results of and prospects for active immunization with polyvalent preparations p 147
Trukhmanov, B G - Separation of antibodies in serums of horses immunized with polyvalent vaccines and the possibility of obtaining several serums from one horse p 155
Kleitman, E I - Effect of different polyvalent preparations on the functional state of the blood system Report No 2 Acute hematological reaction in guinea pigs to the introduction of compound bacterial preparations p 165
Trukhmanov, B.G., Tikhonova, L.IA. - Changes in the anaphylactic and immunological reactions in sensitized guinea pigs under supplementary action of cortisone. p 170
Tripolitova, A.A - Use of cortisone to decrease the resistance of white mice to Listeria p 178.
Mikhailova, T N - Leptospira infection in white mice treated with cortisone. p. 184.
Vasil'ev, N V. - Some results of the study of humoral antimicrobic factors in the human organism and in animals p. 190.
Usherenko, Kh. I. - Obtaining a polyvalent antigangrene serum p 195
Vasil'eva, O.A - Obtaining polyvalent diagnostic dysentery serums. p. 199
Vasil'eva, O.A. - Composition of the protein fractions of blood serum in rabbits under normal conditions and following hyperimmunization. p. 203.
Vasil'eva, O A. - Fractional composition of serum proteins in rabbits immunized with different antigens. p 208
Trukhmanov, B G., Maslianko, R.P. - Duration of the utilization of horses yielding therapeutic serums in different types of immunization. p. 214.
Rodiukova, E.N - Immunological characteristics of serum producing horses selected by the method of compound immunization. p. 222
Ron'zhina, S D - Experiment with preliminary preparatory immunization of horses in diphtherial hyperimmunization p. 226
Trukhmanov, B G - Test puncture as a method of early diagnosis of a rupture of the liver in horses yielding therapeutic serums p 231
Maslianko, R P - Experimental use of a test puncture for timely diagnosis of a liver rupture in horses in the practice of serum production p 237
Preger, S M , Dutova, A G - Purification and concentration of serums by the method of peptic digestion with hydrochloric acid p 242
Preger, S M , Turliantseva, N G , Dutova, A P. - Comparative characteristics of the method of freezing serums from pyrogen p. 246
Turliantseva, N G , Nevzorova, L I - Importance of some biological and ecological factors in testing the pyrogenic properties of serums on rabbits p 251.
Plakhova, N B , Mekhanikova, V G , Deeva, A.I - Obtaining gamma globulin from tick-borne encephalitis under industrial conditions p. 254
Deeva, A I. - Obtaining gamma globulin from blood clots p 256.
Tiushniakova, M K , Nebol'iubova, G E - Complement fixation reaction as a method of determining the specific activity of anthrax serum and gamma globulin. p. 261.
Burenkova, L.A. - Materials on the desiccation of agglutinative listeriosis serum p 266
Sukhova, N O - Obtaining a hemolytic serum by prolonged hyperimmunization of rabbits p 270
Nebol'iubova, G E. - Comparative study of dry antirabic vaccine prepared by different methods. p 275.
Boltukhina, V.I - Preservation of the properties of dry smallpox vaccine kept at various temperatures. p 281
Nebol'iubova, G E , Sokolova, N V - Means of the distribution of intestinal autoflora in acute radiation sickness caused by the action of a 25 Mev betatron p 285
Sal'nik, B IU , Serebrennikova, I A., Fedorova, T S - Effect of ultrasonic waves on the activity of some enzyme systems of erythrocytes in healthy people and in cancer patients p. 292
Trukhmanov, B G - Nature of the meningococcal toxin p. 297

VOPROSY KURORTOLOGII, FIZIOTERAPII I LECHEBNOI FIZICHESKOI KUL'TURY [PROBLEMS OF RESORT THERAPY, PHYSICAL THERAPY, AND EXERCISE THERAPY] Moscow, vol 27, no 4, July-Aug 1962

Table of contents translated:

Vinogradov, N.A., Kaplun, N.A. - Fundamental principles and new methods for the use of galvanic current and electrophoresis in compound treatment of cardiovascular diseases. p. 289.
Gurov, G.F. - Treatment of chronic coronary insufficiency with nicotinic acid by the electrophoretic method. p. 297.
Kircheva, S., and others - Nivaline electrophoresis; electrochemical, experimental, biochemical, and functional examinations. p. 299.
Barsukov, N.A. - Novocaine electrophoresis in the treatment of experimental wounds. p. 304.
Speranskii, N.I., Chernykh, G.A. - Sanatorium and health resort treatment of patients with a persistent form of hypertension. p. 307.
Kochnev, V.N. - Effectiveness of the treatment of hypertension with reserpine combined with other remedies in a balneological sanatorium. p. 311.
Bzhassu, K.I. - Effect of hydrosulfide baths of the Goryachiy Klyuch Health Resort on the cardiovascular system of children suffering from rheumatism. p. 313.
Kravchenko, G P., Lavrina, A.V. - Reaction of the cardiovascular system in patients with chronic gynecological diseases to the action of the balneological factors of the Sergiyevskie Mineral'nye Vody Health Resort. p. 316.
Mkrtchian, G.K. - Effect of an inductotherm on the state of the cardiovascular system in hypertension. p. 320.
Fedoseev, A.A. - Use of exercise therapy in coronary insufficiency. p. 325.
Riabukha, E.I. - Use of exercise therapy after a myocardiac infarct. p. 329.
Nogaller, A.M. - Cutaneous galvanic reflex and its use in clinical practice. p. 333.
Barabol, V.A. - Galvanoadrenaline and dionine tests in different physiological states of an organism. p. 339.
Akulova, R.F. - Practical evaluation of the method of arterial oscillography in balneotherapy for peripheral vascular diseases. p. 344.
Iosifova, E.V. - Physicochemical characteristics of the "blue" (nitrogen-methane) Matsesta Baths. p. 350.
Fatbushevich, V.M. - Avicenna and health resort treatment. p. 353.
Gol'dblat, V.I. - Use of physiotherapy in some cardiovascular diseases p. 356.
Rozhdestvenskii, A.I - Use of coniferous [illegible] baths at the Sergiyevskiye Mineral'nyye Vody Health Resort. p. 357.
Poroshin, A.F. - Method of exercise therapy in treatment of corpulence at a neurotic [illegible] p. 358.
TSarfis, P.G. - Essence and importance of the "neological reaction"; a topic for discussion. p. 360.
Zhilov, IU.D. - Joint irradiation with ultraviolet and infrared rays. p. 363.
Frank, M. - Balneological health resorts and sanatoriums of Hungary. p. 366.
Przherovskii, K. - Survey of the work of Polish-Slovak Research Institute of Physiotherapy, Balneology and Climatology for 1950-1961. p. 371
Przherovskii, K. - Problems of health resort and physiotherapy at the Czechoslovak Congress of Rheumatologists. p. 374.
IA.K. Muminov; on his 60th birthday. p. [illegible]
On the 40th anniversary of O.A. Shtolberg's [illegible] and scientific activities. p. 377.
Work of the White Russian Society of Physiotherapeutists and Specialists of Health Resort Treatment in 1961. p. 377.
Joint scientific session of the institutes of health resort treatment and physiotherapy of the Azerbaijan, Armenian, and Georgian Soviet Socialist Republics. p. 378.
Out-session of the Institute of Poliomyelitis of the Academy of Medical Sciences of the U.S.S.R. held in Odessa. p. 381.
(DNLM)

f. PHARMACY & MATERIA MEDICA

APTECHNOE DELO [PHARMACY] Organ of Ministerstvo zdravookhraneniia SSSR [Ministry of Health U.S.S.R.] Moscow, vol 12, no 5, Sep-Oct

Table of contents translated:

Murav'ev, I.A. - Prospects for pharmaceutical education. p. 3.
Panchenko, E.I., Sidorkov, A.M. - Some [illegible] improving the supply of medicines for [illegible] and prophylactic institutions. p. 9.
Kudrin, A.N., Mel'nichenko, A.K. - Develop[illegible] research concerning an increase in the [illegible] of prepared compound medicines. p. 14.
Gluzman, M.Kh., Bashura, G.S., Dubovenko, B.I. - Anomaly of the viscosity of polyethylene oxide and the effect of certain medicinal [illegible] p. 17.
Soboleva, L.D. - Electroconductivity of [illegible] lar drugs. p. 23.
Naumchik, G.N., Rozentsveig, P.E. - Study [illegible] essential oil of marsh cinquefoil. p. 21.
Perel'man, IA.M., Evstratova, K.I. - Potentiometric titration of mixtures of dibazol with papaverine, salsoline, salsolidine and dionine. p. 27.
Aliev, A.M. - Photocolorimetric determination of thiamine. p. 31.
Vaisman, G.A., Sade, E.G. - Fluorescence and [illegible] tographic analysis of some homeopathic [illegible] of plant origin. p. 36.
Supiun, P.P. - Iodochloronometric method of [illegible] ing pentoxyl and metacil. p. 40.
Bystrov, S.P. - Iodometric indicators. p. 44
Mikriukova, N.S. - Evidence of pachycarpine in the practice of forensic chemistry. p. 51.
Gubskii, I.M. - Pharmacists' attestation. p. [illegible]
Sholud'ko, V.M., and others. - First and [illegible] attestations of pharmacists in Odessa Province. p. 56.
Levinshtein, I.I. - Role and importance of [illegible] of pharmacy in the education and training of pharmacists. p. 59.
Koz'minykh, E.M. - Courses for the improvement of the qualification of pharmacists, instructors in pharmaceutical schools. p. 64.
Tusipkaliev, O. - Practice work of students of a medical institute in the technology of drug preparation conducted in pharmacies. p. 66.
Kadaev, G.N. - Practice training in pharmacy in higher pharmaceutical educational institutes. p. 68.
Riabtseva, V.G. - Practice work in pharmacy. p. 70.
Perel'man, IA.M. - Physicochemical methods for the analysis of pharmaceutical preparations. p. 71
Kudakova, N.A. - Review of T.I. Tol'tsman's book "Textbook on the organization of pharmaceutical service." p. 82.
Sidorkov, A.M., and others. - Review of T.I. Tol'tsman's book "Textbook on the organization of pharmaceutical service." p. 80.
Fil'kin, A.M. - Annotations of dissertations on pharmaceutical topics defended in 1962-1963. p. 88.
Sokolovskaia, S.M. - Some information concerning antibiotics. p. 93.
Anzhel Iosifovich Portnov. p. 94.

MOSCOW TSENTRAL'NYI APTECHNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Sbornik nauchnykh trudov. [CENTRAL PHARMACEUTICAL SCIENTIFIC RESEARCH INSTITUTE Papers]. Vol. 3, 1962.
Table of contents translated:
Mel'nichenko, A.K., Bobovich, IU.I., Kogan, A.P. - Optimal standards for the turnover of merchandise, the filling of prescriptions for outpatient polyclinics and some organizational forms for drug service to the population. p.5.
Kogan, A.P. - Specific fiscal economic activity of the pharmaceutical system and some aspects of its economics. p.20.
Gromova, N.M., Shmygina, L.M., Karikh, M.T. - Planning drugstores which operate on a business accounting basis. p.40.
Bul'tarova, Z.I., and others. - Study of the technological process of preparing injection solutions in pharmacies. p.53.
Bul'tarova, Z.I. - Apparatus for the filtration of solutions under a vacuum. p.65.
Sedova, K.D., Kuznetsova, V.S. - Preservation of concentrations used in pharmacies for burette installations. p.75.
Belova, O.I., Valentsova, K.I. - Tincture of Inonotus obliquus. p.86.
Martynova, V.A., Mel'nikova, G.K., Logintseva, G.A. - Development of rubber prescriptions and a study of their influence on formalin, hydrogen peroxide solutions, ammonia and potassium permanganate. p.94.
Kudakova, N.A., Martynova, V.A., Mogilevskaia, N.M. - Method of calculating the isotonic concentration of solutions of medicinal preparations. p.103.
Shilov, IU.M., Chichiro, V.E. - Color reactions to eucalyptic tincture. p.115.
Porukova, L.N. - Qualitative reactions to some sulfanilamide preparations. p.120.
Petrova, R.I. - Distinctive reactions of a series of alkaloids of the opium group. p.125.
Zorin, E.D. - Identification of platyphylline tartrate in medicinal mixtures. p.129.
Poliakov, N.G. - Study of the biological activity of some cardiovascular preparations on narcoticized animals and those not narcoticized. p.135.
Poliakov, N.G. - Modification of the method of biological evaluation of cardiac agents on cats. p.143.
Cherikovskaia, T.IA. - Seasonal susceptibility of grass and lake frogs to cardiac glycosides. p.146.
Cherikovskaia, T.IA. - Comparative sensitivity of the isolated heart of grass and lake frogs to g-strophanthin and convallatoxin. p.156.
Belen'kii, E.E. - Effect of cardiac glycosides on the summation capacity of the nervous system. p.161.

REFERATIVNYI ZHURNAL: FARMAKOLOGIIA TOKSIKOLOGIIA (Otdel'nyi vypusk 54) [JOURNAL OF ABSTRACTS: PHARMACOLOGY, TOXICOLOGY (Separate Issue 54)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 21, Nov. 1963.

8. PUBLIC HEALTH & NURSING

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT SANITARII I GIGIENY. Uchenye zapiski [SCIENTIFIC RESEARCH INSTITUTE OF SANITATION AND HYGIENE. Studies]. No.2, 1959
Table of contents translated:
Third Republic Conference on the Hygiene of Children and Juveniles. p.3.
Grombakh, S.M. - Law on strengthening the ties between school and life and on the further growth of the public education system, and tasks for hygienists. p.5.
Sapozhnikova, R.G. - Hygienic foundations of the system of practical work in school workshops and of factory practice for pupils of grades 5 - 9. p.8.
Sharova, M.A., Sklarov, V.IA. - Hygienic evaluation of agricultural work for school children in the children's brigades of Stavropol' Province. p.12.
Kaganovich, D.I. - Physiological and hygienic evaluation of the labor system and some data showing the effectiveness of the stay of school children at Communist Youth camps of the city of Novosibirsk. p.15.
Temkin, B.I. - Effect of work classes on the functional state of the nervous system in school children. p.19.
Sukharov, A.G. - Methodology of the hygienic evaluation of working postures of school children. p.22.
Prilutskii, M.S. - Hygienic significance of open air classes and recreation. p.24.
Popova, N.M. - Hygienic organization of instruction and training in preparatory classes. p.26.
Silla, R.V. - Attempt to analyze some of the causes for the different developments of the higher nervous activity in children who are trained in different shifts at school. p.30.
Krapivinteva, S.I., and others. - Functional state of the motor analyzer and of the cardiovascular system as an indication of the degree of physical training of juveniles and as a basis for setting up the pattern for the first year of industrial education. p.33.
Rutenburg, E.S. - Diurnal rhythm of the pulse frequency, level of arterial pressure, and body temperature in juvenile workers. p.37.
IAstrebov, G.G. - Work clothes for students in the building professions. p.41.
Glivitskii, G. - Interrelation between physical education and workload for juvenile workers. p.44.
Shitskova, A.P. - Hygienic evaluation and proper management of nutrition in boarding schools. p.46.
Luganova, Z. - Effect of a hygienic nutritive regimen on the state of nourishment of children. p.50.
Bdlostotskaia, E.M. - Some factors affecting the development of myopia in school children. p.52.
Sharova, M.A. - Hygienic basis of the level of natural lighting of classrooms. p.59.
Dedabrishvili, O.I. - Hygienic basis of the optimum air temperature of classrooms in Tiflis. p.62.
Smirnova, E.T. - Some hygienic problems in the planning of joint (nursery - kindergarten children's institutions. p.66.
Pluzhnikova, Z.A. - Some data on the ionization component of air in kindergartens. p.69.
Demina, E.M. - Use of different kinds of lighting in kindergartens. p.71.
Voznesenskaia, F.M. - Materials on the hygienic evaluation of clothing for children of preschool age. p.75.
Litvinenkova, V.V. - Some methods applied to the hygienic evaluation of children's footwear. p.78.
Resolution. p.81.

No.4, 1960. Voprosy sanitarnoi bakteriologii [Problems of sanitary bacteriology].
Table of contents translated:
Kalina, G.P., and others. - Behavior of dysentery bacteria in an external medium. p.5.
Gel'berger, M.G. - Some remarks on standardized sanitary bacteriological examinations. p.11.
Ponomareva, E.P. - Nature of paragglutinizing strains of intestinal bacteria obtained from the Stalin Water Works. p.15.
Novikova, N.N. - Atypical cultures of intestinal bacteria in water from the Stalin Water Works and their hygienic evaluation. p.18.
Kalina, G.P. - Critique of Minkevich's so-called "temperature test" for determining the titer of Escherichia coli. p.22.
Novikova, N.N. - Comparative study of the effectiveness of standard methods for calculating the indices of fecal pollution of open waters. p.25.
Ponomareva, E.P. - Materials on the comparative evaluation of standardized and some nonstandardized methods for detecting Escherichia coli in water. p.29.
Labinskaia, A.S. - Experimental data on the methodology of sanitary bacteriological analyses of sea water. p.31.
Labinskaia, A.S. - Microbiological method for the dephenolization of sewage. p.34.
Labinskaia, A.S., Ponomareva, E.P. - Specificity and comparative characteristics of phenoloxidizing bacteria obtained from sewers and reservoirs. p.37.
Bugrova, V.I. - Streptococcus viridans as microorganisms indicating the sanitary condition of the air. p.42.
Bugrova, V.I. - Effect of ionization on Streptococcus viridans in the air. p.47.
Zverova, V.A. - Use of short-wave ultraviolet radiation in work rooms of the V.I.Lenin All-Union State Library. p.51.
Zverova, V.A., Bellaeva, T.N. - Dutch cheese as a possible source of food poisoning of a staphylococcal nature. p.53.
Zverova, V.A. - Survival of intestinal microbes and staphylococci in cottage cheese kept in refrigerators for long periods at sub-zero temperatures. p.57.
Kalina, G.P. - "Pseudo destruction" of dysentery bacteria in lactate products such as sour cream and sour milk, and methods for the detection of "secondary cultures." p.60.
Kalina, G.P. - Irreversible changeability of dysentery bacteria in lactate products. p.64.
Bugrova, V.I. - Evaluation of the culture medium proposed by M.A.Kholfets for the detection of Escherichia coli in sausages. p.68.
Gel'berger, M.G. - Recovery of Salmonella from the feces of persons sick with dysentery and enterocolitis. p.71.

No 9, 1961. Voprosy gigieny truda i profpatologii v neftekhimicheskoi promyshlennosti [Industrial hygiene and professional pathology in the petroleum industry]
Table of contents translated
Foreword p.3
Fongaus, M.I - Principal problems of hygiene in the production of phenol and acetone by the cumene method p.5.
Vialov, A.M., and others - Early changes in the state of health of workers in the cumene process of phenol and acetone production. p.13.
Zabezhinskaia, N.A. - Experimental data concerning the normalization of the isopropylbenzene hydroxide content of air in industrial buildings p.17
Sinitsyn, S.N. - Studying the toxicity of a phenol compound (dimethylphenyl-p-cresol). p.20.
Melekhina, V.P., Pinigin, M.A. - Materials for evaluating the pollution of air by wastes in the production of phenol and acetone by the cumene method. p.23.
Smirnova, R.D., Zamyslova, S.D., Zarubin, G.P. - Sanitary conditions for discharging sewage from phenol and acetone production into open waters. p.30.
Egorov, IU.L., Kasparov, A.A. - Some problems of hygiene arising in the production of synthetic fatty acids and higher aliphatic alcohols. p.34.
Egorov, IU.L., Kasparov, A.A., Zakharov, V.M. - Materials concerning the toxicology of synthetic fatty acids. p.40.
Egorov, IU.L., Andrianov, L.A. - Toxicity of heptyl, nonyl, and decyl alcohols. p.47.
Vialov, A.M., and others. - Changes in the health of workers engaged in the production of synthetic fatty acids. p.50.
Bagnova, M.D. - Occupational dermatitis as an effect of the synthetic washing powder "Novost." p.56.
Genkin, A.G. - Examination of the cardiovascular system in workers using progressive anoxemia as an indicator. p.59.
Dubrovskaia, F.I., and others - Discharge into the atmosphere of wastes from the production of synthetic fatty acids and their effect on public health. p.63.
Aksiuk, A.F., Zamyslova, S.D - Sanitary characteristics of sewage from the production of synthetic fatty acids and sanitary requirements for discharge into open waters. p.67.
Efimov, N.A., and others. - Effect of wastes of a metallurgical plant on the health of the population. p.73.
Prokhorov, IU.D. - Experimental data on the combined effect of CO and SO_2 on the body. p.77.
Kublanova, P.S. - Changes in the cochlear and vestibular functions in acute carbon monoxide poisoning. p.82.
Gruzdeva, R.A., Vishnevskaia, S.S., Kachmar, E.G. - Some problems of work hygiene in the production of thio rubber. p.85.
Mel'kumova, A.S., Bylov, I.S., Pushkina, N.N. - Clinical aspects of occupational poisoning of thio rubber workers. p.90.
Luk'ianov, V.S., Shpil'berg, P.I. - Use of electroencephalography in arterial hypotension in workers of a chemical plant. p.95.
Elizarova, O.N. - Comparative toxicological characteristics of some plasticizers. p.105.
Pavlenko, S.M. - Data on the toxicity of a ChKhZ-18 foaming agent stabilized with stearine and dibuthyl phthalate (dinitrosopentamethylentetramine) p.109.
Zabezhinskaia, N.A. - Studying the toxicity of some resins. p.112.
Golubeva, M.T., Smirnova, R.D. - Production and discharge of liquid waste in the manufacture of synthetic alcohol. p.117.
Slepak, N.I. - Sanitary and chemical investigation of synthetic materials based on polyvinyl chloride. p.121.
Arkhangel'skaia, L.N., Roshchina, T.A. - Materials on the toxicological evaluation of trichlorocyanuric acid and trichloromelamine. p.127.

9. VENEREOLOGY & DERMATOLOGY

VESTNIK DERMATOLOGII I VENEROLOGII [REVIEW OF DERMATOLOGY AND VENEREOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.36, no 10, Oct. 1962.
Table of contents translated:
Pavlov, S.T., Rakhmanov, V.A., Smelov, N.S. - Some characteristics of the clinical aspects and diagnosis of skin diseases at the present time. p.3.
Nicolau, S., Bădănoiu, A. - Role of focal infection of the tonsils in the development of vascular skin allergids. p.8.
Rivlin, M.I. - Antitoxic immunity in staphyloderma. p.13.
Shteinberg, M.A. - Fluorescence diagnosis of some skin diseases. p.17.

TSeraidis, G.S. - Nucleoproteins in pigmented nevi, precancerous and cancerous diseases of the skin in man. p. 22.

TSyrkunov, L.P. - Study of the sensitivity of the skin of workers to the action of nickel salts. p. 27.
Potekaev, N.S., Mikotaeva, L.P. - Study of the state of the skin in workers of the Ryazan Artificial Fiber Plant. p. 29.
Vlasov, V.V., Khotenovskii, K.A. - Skin diseases in burned patients. p. 31.
Mirzoeva, M.G. - Acrodermatitis enteropathica. p. 35.
Solomatin, P. - Dermatitis caused by sumac. p. 38.
Irena Rdzanek. - Classification of dermatophytes and dermatomycose. p. 42.
Popov, I.S., Mishchenko, L.I - Method of isolating fungus cultures free of bacteria. p. 44.
IAroshetskaia, N.A. - Histopathological changes in secondary syphilids of the skin following treatment with bicillin-1 and 3. p. 46.
Bukharin, O.V. - Mechanism of the action of vitamin B_{12} in the treatment of skin diseases. p. 49.
Markovich, R.S. - Local novocaine and bencaine infiltration block in the treatment of circumscribed chronic pruritic dermatoses. p. 53.
Porudominskii, I.M. - Current state of the problem of sexual disorders and their treatment. p. 56.
Teokharov, B.A. - Terminology of diseases caused by Trichomonas vaginalis. p. 62.
Zisserman, V.E. - Changes in the fungal flora of Moscow during the past 15 years. p. 63.
Litovchenko, O.V., Peresypkina, M.I. - Dynamics of clinical forms of cutaneous tuberculosis in Moscow Province from 1949 to 1959. p. 66.
Dembovich, A.Sh - Mycological flora of Ternopol Province and measures for the elimination of dermatomycosis. p. 71
Glazer, I.S., Berlin, S.I., Rapava, V.B. - Improvement of sanitary educational work and new organizational forms in the control of venereal diseases p. 73.
Tadzhibaev, T.T. - Griseofulvin in the treatment of trichomycoses. p. 76.
Zver'kova, F.A., Litvinok, N.V. - Gagrene of the skin in erythroderma desquamativum in an infant p. 77.
Nagibin, V.V - Treatment of eczema and diffuse neurodermatitis with ACTH and cortisone in compound therapy p. 79.
Shalupenko, V.N. - Dermatitis arising from contact with fraxinella. p. 82.
IAsnitskii, N. - "Skin diseases, manual on dermatology and venereology," vol. 2 p. 84.

Kozhevnikov, P.V. - "Colored atlas of skin and venereal diseases" by P. Popkhristov. p. 88.
Kozhevnikov, P.V. - Review of the book "Precanceroses and primary cancer of the skin" [in German] by Nikolaus Melczer. p. 88.
Shinskii, G., Vekael', M.V., Sakhnovskaia, A.I. - Abstracts p. 90.
Brief news. p. 93.
(DNLM)

15. AGRICULTURE

a. GENERAL

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Institut pochvovedeniia Trudy [ACADEMY OF SCIENCES OF THE UZBEK S.S.R. Institute of Soil Science, Transactions]. No. 1, 1955.

Table of contents translated:
Bogdanovich, N.V. - Some characteristics of soil formation in the Amu Darya Delta. p. 3.
Genusov, A.Z., Gorbunov, B.V., Uvkin, A.M. - Soils of the southern Kunya-Dar'ya region. p. 25.

FERGANSKAIA ZONAL'NAIA OPYTNAIA STANTSIIA. Trudy [FERGANA REGIONAL EXPERIMENT STATION. Transactions] Tashkent, no. 2, 1959.

Table of contents translated:
Introduction. p. 3.
Turks, L.A. - Cotton breeding. p. 5.
Butkova, V.IA. - Biological characteristics of some cotton varieties in checkrow sowing. p. 45.
Topusheva, N.A. - Studying the causes of the separation of the skin from cotton seed. p. 73.
Topusheva, N.A. - Effect of moisture and spontaneous heating of raw cotton on the separation of the skin with the fiber from cotton seed. p. 91.
Kashkarov, A.K. - Intertillage of cotton fields. p. 103.
Romanovskii, B.I. - Productive capacity of irrigated light-colored sierozems in cotton monoculture and crop rotation. p. 127.
Romanovskii, B.I. - Placement of fertilizers in cotton crop rotations. p. 133.

Ivanov, V.M. - Effectiveness of the placement of fertilizers at the time of planting and side placement for cotton in crop rotations. p. 145.
Zhdarkina, Z.P. - Effectiveness of fall sowing of grasses. p. 163.
Malinin, V.M. - Root intoxication of cotton plants with octamethyl and mercaptophos used in the control of spider mites p. 169
Kulikova, M.V. - Effectiveness of new preparations for preharvest removal of leaves and drying of cotton in the experiments of 1956 and 1957 p. 183.
(DNAL)

KHLIBOROB UKRAINY [THE FARMER OF THE UKRAINE]. Issued by Ministerstvo vyrobnytstva i zahotivel' sil's'kohospodars'kykh produktiv URSR [Ministry of the Production and Procurement of Agricultural Products of the Ukrainian S.S.R.] Kiev, no 11, 1963.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO TADZHIKISTANA [COLLECTIVE AND STATE FARM PRODUCTION OF TAJIKISTAN] Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Tadzhikskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Tajik S.S.R.]. Dushanbe, vol. 17, no. 12, Dec. 1963.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO TURKMENISTANA [COLLECTIVE AND STATE FARM PRODUCTION OF TURKMENISTAN]. Issued by Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Turkmenskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Tajik S.S.R.]. Ashkhabad, vol. 7, nos. 4-6, Apr.-June 1963.

LATVIJAS LAUKSAIMNIECIBAS AKADEMIJA. Raksti. Trudy Latviiskoi sel'skokhoziaistvennoi akademii [LATVIAN AGRICULTURAL ACADEMY. Transactions]. Riga, nos. 12-13, 1963.

MOSCOW MOSKOVSKAIA SEL'SKOKHOZIAISTVENNAIA AKADEMIIA IM TIMIRIAZEVA Doklady [TIMIRIAZEV AGRICULTURAL ACADEMY OF MOSCOW Reports]. No 69, 1961

Zootekhniia [Zootechny].
Table of contents translated
Preface. p. 3.
Arzumanian, E.A. - Change in the productivity of high-yielding cows. p. 5.
Bychkov, N.P. - Effect of the level of productivity in cows on the quality of their progeny p. 19.
Vavzhinchak, S.V. - Reproduction capacities in high-yielding cows. p. 27.
Nebykova, L.V. - Relation between live weight in high-yielding cows and their milk and butterfat production. p. 33
Zhavzma, R. - Meat productivity of Mongolian cattle and their hybrids with Kazakh White-Headed cattle. p. 37.
Orlov, A.V., Myl'nikov, N.V. - Fattening of young cattle on the Michurin Collective Farm in Stupino District, Moscow Province. p. 45.
Petrova, K.V. - Patterns of growth and development in Kholmogory bull calves in case of various types of feeding p. 53.
Verlichenko, A.F. - Change in the microstructure of the cow skin as related to the season and the lactation period p. 61.
Aristova, V.P., Vlasova, S.E. - Methods for separating butterfat. p. 69.
Sazhin, S.I. - Composition and quality of milk in Bestuzhev cows raised on various food rations. p. 73
Libets, S.P. - Some characteristics of the composition of food rations for cows and their effect on the conjugated acids of butterfat. p. 81.
Popov, I.S., and others. - Effectiveness of trace element mixtures as feed supplements for heifers in the Moscow region. p. 85.
Lukashik, N.A., Kolodzeva, E.E., Tabakova, Z.F. - Effect of trace elements fed to cows during pregnancy on their content in colostrum and milk. p. 95.
Tkhakakhov, Kh.Kh. - Effect of various levels of protein feeding on milk productivity in cows and some biochemical blood indices. p. 103.
Skorobogatykh, N.N. - Effect of various levels of protein feeding on nitrogen metabolism in dairy cows. p. 111.
Romanov, M.P. - Establishing protein norms in feed rations for layers; raising young poultry p. 119.
Savich, I.A., Akopian, N.S. - Economic effectiveness of crossbreeding for market purposes Large White and Murom swine. p. 129.
Akopian, N.S. - Quality of meat in Large White and Murom swine and their hybrids. p. 137.
Golubinchaia, V.IA. - Effect of the type of feeding on the growth and development of Moscow broilers. p. 145.
Iotsius, G.P. - Meat quality of chicks as related to the age and breed characteristics. p. 151.
Martyshev, F.G. - Effect of the age of parent crop on the growth and development of their progeny. p. 159
Anisimova, I.M. - Characteristics of the embryonal development of progeny produced by parents of various ages. p. 167
Mamontova, L.I - Increasing fish productivity in rearing ponds by using fertilizers. p. 171.
Grinevskii, A.M. - Results of taking stock of the collective and state farm ponds in Moscow Province and the prospects for their utilization in fish culture. p. 175.
Kudriashova, IU.V. - Effect of the growing conditions of young-of-the-year carp on their wintering p. 193.
Goriachkin, M.E. - Work practices on the "Krasnoe znamia" Collective Fish Farm in Serpukhov District, Moscow Province. p. 193.
Erokhina, L.V. - Developing new methods for preparing feeds to increase the effectiveness of feeding carp. p. 197.
Maslova, N.I. - Effect of the stocking density on the growth and development of carp p. 203.
Naumova, A.M. - Infestation of carp by Sanguinicola intermis Plehn in different seasons of the year. p. 211.
Ermenkov, K.I. - Some physiological and biochemical blood indices in calves in relation to their age. p. 217.
Blandova, Z.K. - Proteins and protein fractions of the blood serum of hens in relation to the growth and productivity. p. 227
Flink, V.V. - Relationship of the pigmentation of the integument to the surface temperature of the body and the thermoregulatory processes of the animal organism. p. 233.
Vrakin, V.F. - Absorption of radioactive thiamine in the isolated section of the rumen. p. 241.
Degtiarev, V.P. - Enzymatic activity of intestinal juice in calves. p. 249.
Degtiarev, V.P. - Secretory function of the jejunum in calves. p. 257.
Mikhailna, V.A. - Methods for applying chronic fistulas to the gall bladder in young cattle. p. 265
Burdelev, T.E. - Testing sancaphen in ascaridosis p. 271.
Burdelev, T.E. - Testing sodium fluoride in ascaridosis. p. 275.
Makhachev, R.S. - Veterinary hygiene in the group method of keeping brood sows with young pigs in summer shelters. p. 279.
Glagolev, P.A. - Studying age and breed characteristics of the structure of the system of voluntary movement organs in farm animals. p. 285.
Ippolitova, V.I. - Characteristics of the histological structure of bony fibers of the compact substance in the long bones of the pelvic extremity in horses p. 291.
Bolarskii, A.B. - Studying differentiation characteristics of the skeleton of the extremities in Orlov trotter stallions by the X-ray method. p 301.
Gordienko, V.I - Internal structure and chemical composition of some femoral muscles in newborn bull calves of the black-and-white breed and its hybrids. p. 309.
Solovei, M.IA., Ektov, V.A. - Development of the mammary gland in purebred and hybrid swine in the process of their individual development. p. 317.
Solovei, M.IA., Ektov, V.A. - Histological structure of the mammary gland in purebred and hybrid swine in relation to their growth, the period of pregnancy, and lactation. p. 325.
Chumakov, V.P. - Development of capillary blood vessels in the mammary gland of a cow embryo p. 337.
Tiniakov, G.G., TSitunskaia, T.A. - Histological investigation of lymph nodes in the fetuses of cattle and swine. p. 341.
Tiniakov, G.G., TSitunskaia, T.A. - Characteristics of the histological structure of lymph nodes in young cattle and swine. p. 345.

OMSK. SEL'SKOKHOZIAISTVENNYI INSTITUT. Trudy [AGRICULTURAL INSTITUTE. Transactions] Vol. 41, 1960.

Table of contents translated:
Boguslavskii, V.P., Davydov, A.D., Razumovskii, M.P. - State and development of water economy in Western Siberia. p. 3.
Boguslavskii, V.P. - Irrigation cycles and water consumption of cabbage in the suburban zone of Omsk. p. 13.
Boguslavskii, V.P., Khruppa, I.V. - Results of the inspection and recommendations for the utilization of the Kolovshchikovo drainage system. p. 21.
Davydov, A.D., Samorukov, V.D. - Measures for improving water collectors in connection with land reclamation in the northern areas of Omsk Province. p. 29.
Davydov, A.D. - Spacing of open regulating canals. p. 37.
Khruppa, I.F. - Total water consumption and the expenditure of soil moisture in the irrigation of alfalfa fields. p. 45.

Zhelnin, A. F. - Graphic analytic method for finding the operating parameters of a backhoe in plotting working faces in canals and dumping of soil. p.53.
Moiseenko, V.M. - Instruments and methods for determining the coefficient of counterpressure in the concrete of hydraulic structures based on the measurements of the deformation of bodies. p. 63
Gunis, A.S - Discharge coefficient of a polygonal weir. p 105.
Lavrentsev, A.S - Determining tail water depth downstream from the hydraulic jump. p. 115
Mezentsev, V.S. - Forms of analytical dependence of total evaporation on soil moisture and thermal energy resources. p. 123.
Remennikova, L.G. - Contracted broad-crested weir. p 135.
Turkin, V.N. - Form of the curve of local scouring. p. 141.
Shmakov, V.M. - Calculating the parameters of probability curves of the annual runoff for rivers of the southern areas of Western Siberia and northern and central Kazakhstan. p. 149.
Elkin, A.N. - Testing machine for the impact (lateral) bending of wood. p. 163
Kniaginichev, N.I. - Seepage calculations for dams consisting of alternate layers of sod and previous material. p. 197.
Zak, L.V. - Bending of a rectangular plate with built-in edges of various thickness. p. 175.
Kats, M.M. - Derivation of the universal equation of the elastic line of a beam by the graphic analysis method. p. 199.
Khodorovich, G.P. - Applying the method of finite differences to the calculations for compressed-lent rods. p. 205.
Kochetov, P.P - Maximal use of local runoff for irrigation and methods for abridged hydraulic calculations. p. 209.

REFFRATIVNYI ZHURNAL: POCHVOVEDENIE (Otdel'nyi vypusk 57) [JOURNAL OF ABSTRACTS: SOIL SCIENCE (Separate Issue 57)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 21, Nov. 1963.

SEL'SKOE KHOZIAISTVO; statematicheskii ukazatel' statei v inostrannykh zhurnalakh [AGRICULTURE; Classed Index of Articles in Foreign Periodicals]. Issued by TSentral'naia nauchnaia sel'skokhoziaistvennaia biblioteka and Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury [Central Agricultural Library and the All-Union State Library of Foreign Literature] Moscow, no. 8(96), 1963.

SEL'SKOE KHOZIAISTVO BELORUSSII [AGRICULTURE OF WHITE RUSSIA]. Issued by Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Belorusskoi SSR [Ministry of the Production and Procurement of Agricultural Products of the White Russian S.S.R.]. Minsk, vol. 11, nos. 17(137)-19(139), Sep.-Oct. 1963.

SEL'SKOE KHOZIAISTVO KAZAKHSTANA [AGRICULTURE OF KAZAKHSTAN]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Kazakhstana [Central Committee of the Communist Party of Kazakhstan]. Alma-Ata, vol. 11, nos. 8-10, Aug.-Oct. 1963.

SEL'SKOKHOZIAISTVENNAIA LITERATURA SSSR [AGRICULTURAL LITERATURE OF THE U.S.S.R.]. Issued by TSentral'naia nauchnaia sel'skokhoziaistvennaia biblioteka [Central Agricultural Library]. Moscow, nos. 7-8, 1963.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO NECHERNOZEMNOI ZONY [AGRICULTURAL PRODUCTION OF THE NON-CHERNOZEM ZONE]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov and Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of the Production and Procurement of Agricultural Products and the Ministry of Agriculture of the R.S.F.S.R.]. Moscow, vol. 1, nos. 10-11, 1963.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO POVOLZH'IA [AGRICULTURAL PRODUCTION OF THE VOLGA VALLEY]. Organ of Ministerstvo proizvodstva i zagotovok sel'khozproduktov and MSKh RSFSR [Ministry for the Production and Procurement of Agricultural Products and the Ministry of Agriculture of the R.S.F.S.R.]. Saratov, vol. 1, nos. 8-10, Aug.-Oct. 1963.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SEVERNOGO KAVKAZA I TsChO [AGRICULTURAL PRODUCTION OF THE NORTHERN CAUCASUS AND THE CENTRAL CHERNOZEM REGION]. Organ of Ministerstvo proizvodstva i zagotovok sel'khozproduktov RSFSR and Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of the Production and Procurement of Agricultural Products of the R.S.F.S.R. and the Ministry of Agriculture of the R.S.F.S.R.]. Krasnodar, vol. 1, no. 11, Nov. 1963.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SIBIRI I DAL'NEGO VOSTOKA [AGRICULTURAL PRODUCTION OF SIBERIA AND THE FAR EAST]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR and Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of the Production and Procurement of Agricultural Products of the R.S.F.S.R. and the Ministry of Agriculture of the R.S.F.S.R.]. Omsk, no. 11, Nov. 1963

SOTSIALISTLIK POLLUMAJANDUS [SOCIALIST AGRICULTURE]. Issued by Eesti NSV Pollumajandusaaduste Tootmise ja Varumise Ministeerium [Ministry of the Production and Procurement of Agricultural Products of the Estonian S.S.R.]. Tallinn, vol. 18, no. 21, Nov. 1963. [In Estonian]

TEKHNIKA V SEL'SKOM KHOZIAISTVE [MASHINERY IN AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 23, no. 6, June 1963.

Table of contents translated.

Starting the harvesting. p. 1.
Ruksha, E. - Two-phase windrowless method for harvesting peas. p. 4.
Volkov, P. - Machines for growing and harvesting sugar beets. p. 11.
Mukhin, I. - Improve machines for growing potatoes. p. 14.
Poddubnaia, A. - Harvesting corn for dry grain by stages. p. 17.
Piven', K. - The VE-2,5 automatic unit with a towerless water supply station. p. 20.
Khlobystov, N. - Vacuum distribution of semiliquid feeds. p. 24.
Skaugis, R., Kriukov, S. - Practices in mechanized harvesting of vitamin-rich hay. p. 27.
Khain, B., Strel'bitskii, V. - Harrow plow-planter for soils subjected to wind erosion. p. 29.
Shumilin, G., Chipinskaia, G. - Submersible pumps supplied with electric motors with solid rotors. p. 33.
Shalin, V., Reznik, E. - Electric heating of greenhouses with asphalt concrete blocks. p. 35.
Zlochevskii, O. - Repairing a vacuum pump. p. 37.
Pivovar, S. - The SKNK-6 corn planter. p. 38.
Zhigarev, L. - The ZKNSh-2,8 rod weeder. p. 40.
Zhalnina, N. - The PKA-2 plow aggregate. p. 42.
Babuk, V., and others. - Repair and maintenance brigades in the Ukraine. p. 44.
Kariushov, V. - Servicing motortrucks during the harvesting season. p. 47.
Gankin, V., Rozdul, V. - Ramp for servicing motortrucks. p. 51.
Negrimovskii, M. - Adjusting a binding apparatus p. 53.
Mal'tsev, IU. - Coupling the "Khersonets-3" and SK-3 combines. p. 55.
Dodnev, V. - Chief engineer on a state farm. p. 57.
Ulitskii, E. - Labor protection and safety measures at repair shops. p. 58.
Gavriushin, V. - Repairing cylinder blocks of engines. p. 61.
Nikkerov, IU. - Running-in and repairing of machines. p. 62.
Podkatilov, K. - Self-sharpening cultivator sweeps. p. 64.
Ivanov, V. - Universal screw loader. p. 68.
Once more about the crankshafts of straw feeders. p. 70.
Evdokimenko, I. - Mounted platform. p. 72.
Makeev, N. - Blowtorch. p. 74.
Choremis, M. - Piston pump for surface wells. p. 74.
Sachli, S. - Machines for harvesting grain and pulse crops. p. 76.
Grozdov, P., Poliachenko, A. - Organization of the repair of agricultural machinery in Czechoslovakia. p. 82.
Review of articles published in the periodical "Sel'skoe khoziaystvo za rubezhom." p. 85.
Poliakov, V., Samokhodskaia, I. - Adjusting reapers. p. 89.
Leshchov, A. - The K-75 carburetor in the S-4 combine. p. 93.

Vol. 23, no. 8, Aug. 1963.

Table of contents translated:

More attention to the ideological work! p. 1.
Shikhov, I. - Improve the quality of machines, equipment, and spare parts. p. 4.
Vlasov, I. - Continuous methods for harvesting grain crops. p. 8.
Porshnev, S. - High-speed grain harvesting. p. 15.
Popov, A. - Mechanization of the processing of newly harvested grain. p. 17.
Miroshnichenko, V., Loginov, G. - Reaper for harvesting sorgo for grain. p. 25.
Kostrov, P., Chekanova, N. - Sowing winter crops in bean interrows. p. 27.
Lavrushin, L., Kalinin, A. - A mechanized swine fattening house for each farm. p. 31.
Reznikovich, M. - Distributing feeds through pipes. p. 33.
Gopka, V. - Mechanized distribution of feeds on dairy farms p 34
Andrianov, V., and others. - Power unit for milking machines. p 37.
Dobrodienko, F. - Changed drive of the circle of a carrousel-type arrangement for milking parlors. p 39
Kirilov, IU., Moiseenko, N. - The PDN-10N mounted grader. p. 41
Nezniev, M. - The POB-3-45 plow for reclaimed swamps. p. 43
Levkoev, L. - How to construct electric automatic control networks p. 45.
Kharchenko, N. - Electric equipment of the DT-75 tractor p 50.
Loginov, V., Shreider, M - The ML-2,8P flax thresher p 53.
Podol'nyi, A. - Modernization of the SMD-14 engine p 56.
Pivovarov, I - Crusher for mineral fertilizers. p. 59
Safronov, V., Malyshev, IU. - Improving the operating efficiency of wheeled tractors in plowing. p. 61
Mitsenko, A. - Convenient aggregate of three sowing machines. p. 63.
Serov, A., Arinin, I - Unit for controlling the technical condition of trucks. p. 64.
Zikunov, I. - Prolong the life of tractors. p. 71
Surnachev, A. - Hand cart for transporting barrels. p. 72.
Lunevskii, I. - New welding equipment. p. 73.
Smirnov, A. - Practices in repairing tires. p 77.
Muzychuk, F. - Reconditioning the valve pairs of fuel pumps. p. 80.
Pepchuk, P. - Facing chromium plating baths with epoxy resins. p. 81.
Pavlov, K. - Changing the oil in tractor engines. p 82.
Filatov, N., Nedovesov, V. - The PVU-2 windrow mower. p. 86.
Krutel', N., Emashev, I. - Puller for bearings p. 89.
Bykovskii, M., Levchenko, V., Malinovskii, E. - RPTU-2 places mineral fertilizers. p. 89.
Val'ko, F. - The SK-3 combine gathers two pea windrows. p. 90.
Bogomiagkikh, V. - A screen instead of the tail gate of a motor truck. p. 91
Korshikov, A. - Hinged elbow of a sprinkling unit. p. 92.
Eremin, V. - A necessary book. p. 93.

ULYANOVSK. SEL'SKOKHOZIAISTVENNYI INSTITUT. Trudy [AGRICULTURAL INSTITUTE. Transactions] Vol. 8, no 2, 1961.

Table of contents translated.

Domanov, I.I., Grigorian, G.M. - Typological characteristics of higher nervous activity and milk yield in Bestuzhev cattle. p. 3.
Ulendeev, A.I., and others. - Some results of controlling brucellosis in cattle at the training farm of the Institute. p. 13.
Sofronov, V.S. - Motor activity of the small intestine in peritonitis and during the administration of some drugs. p. 21.
Chevskii, S.N. - Teaching a course of noninfectious diseases of young farm animals at the Veterinary Faculty of the Institute. p. 27.
Labzina, A.T. - Indices of morphological composition of the blood in Bestuzhev cattle. p. 33.
Ulendeev, A.I. - Changes in the morphological and physicochemical characteristics of calf feces as related to the age, feed rations, and in enterocolitis. p. 41.
Kakurina, A.G., Tikhonova, O.G., Riazanskii, M.P. - Etiopathogenic therapy of phlegmon in horses. p. 51.
Filimonov, M.N. - Ixodid ticks in areas of the middle Volga Valley. p. 59.
Vasil'ev, A.P., Sal'nikova, K.N. - Using ultraviolet rays for disinfection in anaerobic infections. p. 73.
Kuiumdzhi, Z.M. - Effect of ultraviolet radiation on some forms of micro-organisms of the paratyphoid group. p. 81.
Petropavlovskii, V.V., Chabovskaia, N.A. - Electrically heated artificial vagina for bulls. p. 89.
Sarovaiskii, A.O. - Reorganization of the teaching of foreign languages at agricultural institutions of higher education. p. 95.
Savel'eva, E.A. - Toxic and lethal doses of cobalt chloride. p. 103.
Kuz'min, M.I., Mel'nikov, I.I. - Effect of biogenic stimulators on the fattening qualities of swine. p. 111.
Kliushkin, K.I. - Judging herd bulls by the butterfat content. p. 117.
Ulendeev, A.I., Kozlova, E.I., Vladimirtseva, N.F. - Differentiation of animals infected with brucellosis from healthy animals in a vaccinated herd. p. 123.
Shutov, I.S. - Some prerequisites for the use of cobalt in anemic states of animals and in prophylaxis. p. 129.
Kuz'min, M.I. - Characteristics of silage as related to the harvesting time of corn. p. 135.

Davydchenk, M.A. - Studying the state of blood circulation organs and the blood picture in Bestuzhev cows following first calving. p.139.
Ilimonov, M.N. - Dynamics of seasonal tick infestation of cattle in the southern areas of the Mari A.S.S.R. p.147.
Lalzina, V.T., Davydchenk, M.A., Ovtsyn, L.V. - Methods of early diagnosis of mineral deficiency in cows. p.165
Ovtsyn, L.V. - Clinical and hematologic indicators of strongles in horses. p.177
Tsvetkova, V.A. - Effect of gonadotropic hormones of the pituitary body on the ovaries in swine. p.185.
Tarabrina, L.G. - Productive qualities of Pantsir hens p.195
Petropavlovskii, V.V. - Mobile laboratory for the artificial insemination of farm animals p.199. (DNAL)

VISNYK SIL'S'KOHOSPODARS'KOI NAUKY [REVIEW OF AGRICULTURAL SCIENCE] Issued by Ministerstvo sil's'koho hospodarstva Ukrains'koi RSR [Ministry of Agricultural Sciences of the Ukrainian S.S.R.] Kiev, vol 6, no 4, Apr 1963

Table of contents translated:

Zorin, I.H. - Make use of the phenomenon of heterosis in animal husbandry p.3.
Lysenko, O.A. - Economics of potato growing and their commercial production zones. p.12.
Tyshchenko, L.P. - Estimating electric power consumption on collective and state farms during the transition to economic accountability within sections of farms. p.16.
Didenko, M.K. - Over-all mechanization of growing corn planted by the precision method. p.20.
Mal'nykov, D.I. - Determining the height of the center of gravity of a wheeled tractor with pneumatic tires. p.28.
Spivak, Kh.S., Barnash, Z.S. - Effective methods of using fertilizers for sugar beets in the forest-steppe zone of Volyn' Province. p.31.
Karvats'kyi, V.M. - Effect of the quantity of plants in a cluster on the yield and sugar content of beets. p.35.
Borysonik, Z.B., Abisova, V.V. - Growing sunflowers in checkrows from sized seeds planted in clusters without thinning. p.39.
Taranovs'ka, M.H., Kachanova, R.O. - Effect of fertilizers on the development of the root system in corn and its yield. p.43.
Savyts'kyi, T.A., Tryt'ko, V.I. - Growing buckwheat on the "Bil'shovyk" Collective Demonstration Farm. p.47.
Borysenko, P.T. - Row crops as the best precedessors to hemp. p.51.
Kozak, IE.I., and others - Using waste from sulfur production for the liming of soils. p.55.
Ivanchenko, M.I. - Growing corn along with soybean in the northern steppe of the Ukraine. p.60.
Kolobov, O.M., Khoroshkova, IE.D. - Companion sowing of late and early corn as an efficient method for increasing the yield and quality of silage. p.65.
Tulaieva, M.I. - Results of crossing grapes as related to the selection of parental forms. p.69.
Rybak, L.B. - Effect of gibberellin on the growth and yield of strawberries. p.75.
IAsnykova, O.O., Alilev, E.A. - Practice in growing vegetables in gravel. p.79.
Hilits, A.A. - Effect of barking spruce on the engraver beetle Ips typographus and its enemies. p.83.
Chornohor, O.I. - The Japanese walnut Juglans Sieboldiana, a rare forest plant in the Ukraine. p.86.
Makhmet, B.M. - Bioecologic properties of Carya and its importance for the establishment of forest plantations. p.88.
Kubyshkin, V.P. - Calculating the distance between drains in heterogeneous mineral soils. p.94.
Kytaieva, H.S. - Using urea in feeding young cattle. p.102.
Pshonychna, E.P. Digestive and metabolic processes in the gastrointestinal tract of sheep receiving various amounts of protein sulfur and nitrogen in their rations. p.106.
Shymans'ka, O.A. - Contents of the rumen as additional feed for chicks. p.112.
IAroslav, S IU., and others - Temperature and motility of the rumen in hungry animals after the injection of gases. p.113.
Zahaleva'kyi, I.S. - Cattle with paratyphoid fever as Salmonella carriers and the control of the phenomenon. p.115.
Kal'chenko, M.M. - Dynamics of the agglutinating and and preventive properties of serum in herd bulls hyperimmunized against diplococcal infection. p.118.
Scientific and tecnological information. p.122.
New books. p.124.

ZEMES UKIS [AGRICULTURE]. Issued by Lietuvos TSR Zemes ukio produktu gamybos ir paruosu ministerija [Ministry for the Production and Procurement of Agricultural Products of the Lithuanian S.S.R.] Vilnius, nos. 10-11, Oct.-Nov. 1963. [In Lithuanian]

b ANIMAL INDUSTRY

KIEV. NAUKOVO-DOSLIDNYI INSTYTUT TYBNOHO HOSPODARSTVA UKRAINY. Naukovi pratsi [SCIENTIFIC RESEARCH INSTITUTE OF THE FISHERIES OF THE UKRAINE Studies] Vol 11, 1962 Pidvyshchennia rybopoduktyvnosti vodoim [Increasing the fish productivity of reservoirs]

Table of contents translated

Prosianyi, V.S., Syrov, V.S., Syrova, M.M. - Study of the nutritive value of defatted meal and cakes and their effect on the physiological condition of fishes and the productivity of fishponds p.3
Shpet, H.I., Makina, Z.O., Kharytonova, N.M. - Use of copper sulfate for controlling filamentous algae and water bloom in fishponds p.12
Fel'dman, M.B. - Oxygen absorption by pond silt p.18
Chyzhyk, A.K. - Utilizing the collective farm ponds for fish culture in Volochisk District, Khmelnitskiy Province p.22
Symonova, L.H. - Developing the ichthyofauna in the lakes of Ukrainian Polesye p.27
Vashchenko, O.M. - Cheap and coarse fish and the conditions of their reproduction during the first years of Kakhovka Reservoir p.33
Zaleva'kyi, S.V. - Utilizing the reservoirs of the Southern Bug River for commercial fishing p.39.
Zaleva'kyi, S.V., Liubars'kyi, O.I., Menluk, N.S. - Lake Beloozerskiy Liman and its future use for commercial fishing p.48
Menluk, N.S. - Zooplankton in the ponds of the "Pushcha-Voditsa" whitefish farm. p.55
Fel'dman, M.B., Prosianyi, V.S., Sukhovii, A.V. - Developing a well-founded and efficient method for placing mineral fertilizers in ponds p.59.
Kuz'oma, O.I. - Evaluation of breeder carp based on the quality of their offspring. p.71
Kuz'oma, O.I., Tomilenko, V.H. - Possibilities for increasing the productivity of fishponds p.85
Senchenko, O.S. - Effect of the drying out and cultivation of fishponds on the development of plankton in them p.89
Brods'kyi, S.IA. - Stock of crayfish in the lakes of Kitay and Katlabug in the Danube Valley and the future development of crayfish fisheries in the lower Danube Valley p.99
Tomilenko, V.H. - Determination of the developmental state of gonads in common carp and crucian carp hybrids p.108.
Demchenko, I.T. - Determination of sex in pike p.110
Prykhod'ko, V.A. - Wintering of Hypophthalmichthys molitrix and Ctenopharyngodon idella on the "Nivki" Experimental Farm p.113
Shcherban', M.P. - Some data on the spreading of ichthyophthiriasis on fish farms of the Ukrainian S.S.R. p.117.
Nechyporenko, IU.D., Kulazhko, V.A. - Effect of levomycetin on the phagocytic reaction in carp p.123
Osadcha, O.F. - Methods for determining levomycetin concentration by diffusion in agar p.126.
Nechyporenko, IU.D., Osadcha, O.I. - Levomycetin concentration in the blood serum of carp as related to the method of treatment p.129
Abramovych, L.S., Shevchuk, P.V., Shpet, H.I. - Characteristics of the foci of hemorrhagic septicemia in ponds of the western provinces of the Ukrainian S.S.R. p.132
Nechyporenko, IU.D., and others. - Use of granulated feeds with levomycetin for the prophylaxis of hemorrhagic septicemia in carp p.138

LENINGRAD. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT OZERNOGO I RECHNOGO RYBNOGO KHOZIAISTVA. Izvestiia [STATE SCIENTIFIC RESEARCH INSTITUTE OF LAKE AND RIVER FISHERIES. Bulletin]. Vol. 53, 1963.
Contents: Burmakin, E.V. [Acclimatization of freshwater fishes in the U.S.S.R.] Akklimatizatsiia presnovodnykh ryb v SSSR. 316 p. [With summaries in English]

MOLOCHNAIA PROMYSHLENNOST' [DAIRY INDUSTRY]. Issued by Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 24, no. 10, Oct. 1963.

MOSCOW. MOSKOVSKAIA VETERINARNAIA AKADEMIIA. Trudy [MOSCOW VETERINARY MEDICINE ACADEMY. Transactions]. Vol. 12, 1956. Infektsionnye i invazionnye bolezni [Infectious and parasitic diseases].

Table of contents translated:

Skurskaia, M.G. - Biological properties of fixed virus of rabies. p.3.
Ignatova, O.V. - Antigenic and immunogenic properties of pasteurellae of various origin. p.9.
Ignatova, O.V. - Biochemical and cultural morphological properties of pasteurellae of farm animals. p.19.
Zablotskii, T.M. - Use of the complement fixation test in diagnosing epizootic lymphangitis in horses. p.26.
Kas'ianov, A.N. - Study of the brucellosis vaccine from the Brucella suis No.61 strain. p.37.
Kobets, S.M. - Accelerated agglutination reaction in diagnosing brucellosis in cattle. p.43.
Shtelkov, N.M., Polishchuk, P.K. - Investigations of a vaccine against strangles. p.51.
Liapustin, A.K. - Clinical picture of leptospirosis in different species of animals. p.62.
Liapustin, A.K., Preobrazhenskii, N.M. - Electrocardiographic and rumenographic studies of cattle with a malignant form of foot-and-mouth disease. p.73.
Bychkin, P.V. - Problems of infection and immunity in anthrax in the light of I.P. Pavlov's theory. Report No.1. p.82.
Bychkin, P.V. - Problems of infection and immunity in anthrax in the light of I.P. Pavlov's theory. Report No.2. p.86.
Bychkin, P.V. - Problems of infection and immunity in anthrax in the light of I.P. Pavlov's theory. Report No.3. p.92.
Gitel'son, S.S. - Differentiation of pathogenic and saprophytic streptococci. p.98.
Shultak, F.S. - Effect of bile on some species of pathogenic microbes. p.107.
Shultak, F.S. - New method of differentiating anthrax bacillus from the pseudoanthracic group of bacilli. p.116
Sokolova, I.V. - Bacteriostatic effect of fresh blood serums of farm animals on some species of pathogenic microbes. p.123.
Ovanesova, N.B. - Role of the nervous system in the allergic reaction in chickens with tuberculosis. p.136.
Ovanesova, N.B. - Experimentally induced tuberculosis in young chickens. p.149.
Aliuzan, Kh. - Effect of the microflora of the gastrointestinal tract in various species of animals on Bacillus anthracis. p.157.
Gur'eva, G.D. - Materials on sanitary bacteriological evaluation of feeds. p.169.
Vasil'ev, A.P. - Sanitary bacteriological study of feeds with regard to Bacillus perfringens. p.177.
Vasil'ev, A.P. - Dense milk-sulfite medium for accelerated cultivation of Bacillus perfringens. p.181.
Koliakov, IA.E., Pichugin, L.M. - Experimental data on induced changes of the type of infectious encephalomyelitis of horses in the liver of laboratory animals. p.192.
Gil'denblat, A.A. - Biology of Gangueterakis dieteri, a parasite of geese. p.207.
Gagarin, V.G. - Capillariids of domestic birds and the diseases caused by them. p.214.
Potemkin, V.I. - Clinical picture and therapy of sarcoptic mange in dogs. p.230.
Zhitenko, P.V. - Compound method for determining the degree of freshness of poultry meat. p.241. (DNAL)

MOSCOW. TEKHNOLOGICHESKII INSTITUT MIASNOI I MOLOCHNOI PROMYSHLENNOSTI. Sbornik studencheskikh rabot [TECHNOLOGICAL INSTITUTE OF THE MEAT AND DAIRY INDUSTRY. Collected Student Papers]. No.7, 1962.

Table of contents translated:

Foreword. p.3.
Kosheleva, L.G., Panova, M.D. - Effect of the addition of smoked raw sausage on the development of some types of microflora. p.5.
Semenova, V.P., Novikova, G.N., Ismailova, Sh.I. - Storage of chilled meat in polyethylene and cellophane wrapping. p.8.
Chernyshev, B.S., and others. - Use of high-polymeric materials for sausage packaging. p.12
Ustinova, N.T., Baranova, L.K. - Freezing of meat in polyethylene films. p.17.
Voronova, L.V., Kochetygova, V.V. - Changes occurring in the qualitative indices of gelatin during drying. p.20
Katkov, V.P., and others. - Determining the optimum conditions of the electric stunning of rabbits. p.23
Tiniakov, V.G. - Structure of calcium deposits in cheese and other characteristics of their morphology. p.25.
Fomicheva, E.S. - Changes in vitamin C content of milk occurring during storage under various conditions. p.28.
Bogatkova, S.S. - Changes in vitamin C content occurring during the processing and aging of cheese. p.31
Grigor'ian, T.S. - Determining dry substances in milk and dairy products by means of infrared radiation. p.32.
Divak, A.V. - Application of the chromatographic method in the analysis of dairy products. p.34
Divak, A.V. - Theory of the precipitation chromatography of inorganic ions. p.35.
Reshetnikova, I.N. - Sorption of acids and bases on domestic anions. p.39.

...tova, L.P. - Use of the chromatographic column in the fractional method for determining zinc with dithizone. p.42.
...ragina, L.V., Veigant, Z.E., Emel'ianova, A.V. - Synthesis of some phosphoric alkyl esters. p.44
...tov, G.N. - Practicable and efficient methods for the treatment of paratyphoid in calves. p.46.
...tchikov, P.V., Ulanov, I.A. - Clinical aspects and treatment of thermal burns in animals p 48
...A.A., and others - Cases of detecting some kidney lesions in cattle and swine during sanitation control. p 51
...akova, G.G., LArygina, G.A., Liadova, L.A. - Some age-related characteristics of the histological structure of generative organs in cattle p.54.
...al'ko, V.I. - Treating cows with an acute form of mastitis by using hot milk (48°C) combined with antibiotics p.59.
...avin, A.N., and others. - New conservative method for treating retention of the placenta in cows p.62.
...idov, B.M - Cesarean section in cows p.65.
...ov, E.T., Orlova, A.S., Sadikova, N.S - Effect of sugar beets and carcorn on the secretory function of the abomasum and the motor activity of the rumen in cattle. p.67.
...rlakov, A.F., Darkhovskii, S.I - Some problems in the pathogenesis of reticuloperitonitis in cattle. p.70
...rov, M.A. - Some problems in age-related topographic anatomy of internal organs in cattle p 72
...eralenko, N.G., Krasnogorskii, V.IA - Performing ovariectomy on 6-month-old swine according to an old Chinese method p 75.
...gkov, A.S., Kuritatnikov, O.N - The EN-1 apparatus for the anesthesia of animals p.78
...iakova, G.G - Differential diagnosis in some parasitic diseases (sarcosporidiosis and trichinellinosis). p 80

...OW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHIVOTNOVODSTVA Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF ANIMAL HUSBANDRY Transactions], Vol 24, 1962.

Table of contents translated:

...lakikh, A - What the All-Union Scientific Institute of Animal Husbandry is working on. p.3.
...guchev, A.P. - Methods for judging bulls of dairy and dual-purpose breeds by the quality of their progeny. p 10.
...din, S.IA., Mal'tsev, A.P. - Three years' work experience in raising young cattle for meat. p.21
...vantin, D.L., Guneeva, E.K. - Effect of various levels of feeding on the growth and development of young cattle. p 40.
...chenov, D.A. - Effect of different dates of castration on the growth and meat qualities of young cattle. p. 49.
...darenko, G.A., Slesarev, I.K. - Effect of ammonium acetate on the increase of butterfat percentage, intermediate metabolism, and digestion processes in the rumen of Jersey and East Friesian cows. p. 57.
...guchev, A.P., Glebina, E.I. - Effect of various conditions of feeding on the development of organs and tissues in young dairy cattle. p. 78.
...achev, F.A - Crossing Landrace with Breytovo and Large White swine. p. 108
...ikhaev, E.A., Kabozov, S.M., Mul'ner, IU.S. - Practices in the maintenance of swine in large groups and outdoor runs with the use of a vacuum self-feeder and the UDK-T universal crusher. p. 115.
...rekalov, N.A. - Increasing the biological value of mixed feeds with fats and fatlike substances. p. 125
...bozov, S.M., Nikolaev, R.P., Romanova, A.F. - Enriching mixed feeds with vitamin A and trace elements p. 138.
...guta, A.F. - Completing the drying of grass for hay in stacks by mechanical and natural ventilation and the use of plastic films as coverings. p 149.
...ozdenko, N.P. - Changes in the nitrogenous complex as related to various systems of drying grass for hay. p. 164.
...rbasov, T.I. - Effectiveness of enriching corn silage with carbamide and ammonium sulfate. p. 173.
...dianov, A.V., Riza-zade, N.I., Likhonosova, N.D. - Feed value of various forms of carbamide. p. 182.
...idiand, I.B., Rambidi, M.I., Lekarev, V.S. - Intensiveness of the inclusion of tagged nitrogen (N^{15}) of carbamide in the proteins of ruminant organs and tissues. p. 200.
...dianov, A.V., Raetskaia, IU.I., Kholmanov, A.M - Effect of cobalt on the increase of the utilization of carbamide nitrogen by sheep. p. 203.
...horosova, N.D. - Digestion processes in sheep fed corn silage enriched with carbamide. p. 214.
...khailova, M.M. - Digestion in cows fed corn silage as a substitute for hay. p. 218.
Evseev, P.E - Mineral nutrition of farm animals and the use of stock licks. p 223
Venediktov, A.M - Fluorine metabolism in breeding heifers p 239
Venediktov, A.M - Trace element mixtures for high-yielding cows. p. 247
Rambidi, M.I - Effect of cobalt supplements on the sugar content in the blood and the glycogen content in the liver of Romanov sheep in case of cobalt deficiency p. 256
Milovanov, V.K., Sytina, M.V. - Preservation of bull semen at room temperatures in a bicarbonate-phosphate medium. p. 269.
Kuptianova, L.P - Some problems in prolonged preservation of ram semen. p. 279.
Sokolovskaia, I.I., and others. - Synthetic thickening agents in implemental media for the semen of farm animals p 286.
Sadokova, A.P - Nitrogenous substances of the sperm and reproductive organs in bulls and cows p. 303
Sokolovskaia, I.I., and others. - Changes in the composition and properties of cervical secretion in cows. p. 312.
Semakov, V.G., Gorokhov, L.N. - The pH of vaginal and cervical secretion in cows. p. 332
Gorokhov, L.N., Semakov, V.G. - Relation between the physical properties of vaginal and cervical secretion and the state of ovaries in cows p 336
Tomme, M.T., Martynenko, R.V. - Effect of hydrolysis forage yeast on semen production in herd bulls p 344
Sokolovskaia, I.I., Paducheva, A.L - Distribution of radioactive sulfur in oocytes and zygotes. p 351
Paducheva, A.L., Lekarev, V.S. - Some regularities in the utilization of the sulfur of organic and inorganic compounds in the formation of wool keratin in sheep. p. 366.
Lekarev, V.S., Paducheva, A.L. - Photometric determination of the deposition of sulfur (S^{35}) of organic and inorganic compounds in the organs and tissues of animals. p. 386.
Sokolovskaia, I.I., Rombe, S.M - Using murexide in histochemical determination of calcium. p. 392.
Meliukov, A.N. - Establishing optimal doses of ultraviolet radiation for young pigs. p. 396.
Ustinov, D.A. - Comparative effect of ultraviolet and infrared rays and vitamin D_2 preparations in raising suckling pigs in winter p. 403.
Fridiland, I.B., Popekhina, P.S., Ulenkova, L.V. - Effect of betazin (β -analog of diiodotyrosine) on the composition of lipids in the animal organism and the synthesis of thyroxine and its precursors in the thyroid gland. p. 413.
Ulenkova, L.V. - Effect of molybdenum on the content of free iodine, diiodotyrosine, and thyroxine in the thyroid gland of rabbits. p. 419.
Gorodetskaia, T.K - Changes in the functional state of skeletal muscles in lactating cows in relation to factors of the dairy regimen. p 424.
TSybul'skii, L.A. - Microclimate in a dairy barn with loose maintenance of farm animals. p. 429.
Bel'kevich, V.I., Rombe, S.M - Simple attachment to the freezing microtome for continuous cooling of a knife. p. 434.
(DNAL)

OKHOTA I OKHOTNICH'E KHOZIAISTVO [HUNTING AND GAME MANAGEMENT]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 9, no. 11, 1963.

OVTSEVODSTVO [SHEEP BREEDING]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 9, nos 10-11, 1963.
(DNAL)

REFERATIVNYI ZHURNAL: ZHIVOTNOVODSTVO I VETERINARIIA (Otdel'nyi vypusk 58) [ABSTRACTS: ANIMAL HUSBANDRY AND VETERINARY MEDICINE (Separate Issue 58)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 21

RYBNOE KHOZIAISTVO [FISHERIES]. Issued by Gosudarstvennyi komitet po rybnomu khoziaistvu pri Gosplane SSSR [State Committee for Fisheries of the Economic Council of the U.S.S.R.]. vol. 38, no. 11, 1962.

Table of contents translated

Improve the technology of fishery p
Baranov, F.I - Efficient fishery m
Antonov, A.E - Basic forecast of t... of some commercial fishes of th... p 13.
Fedorov, A.F., and others. - Deve... eggs (sixth phase) in water pollu... active substances. p.19.
Kipper, Z.M. - Fishway sluice, a ... structure. p.23.
Trushinskaia, M.B. - Introduction of the roach Rutilus frisii kutum into the Sea of Azov p 32.
Kasymov, A.G. - Transportation of shrimps to Mingechaur and Varvara Reservoirs p 36
Semenov, A.I. - Determination of the diameter of circling according to the depth and the use of a certain type of circling for paying out the trawl at the desired depth p 39
Shan'ko, B.D. - Effect of the operation of actived fins on the maneuverability of the ship p 12
Smirnov, I.A - Unloading ships in the open sea without mooring. p 51
Mikhailov, R.T - Work of net hauling equipment of various types p.59.
Marshak, I.M., Popov, M.V., Surzhin, S.N - Automatic smoke producer for smoking fish p 65
Pankratov, K.P. - More new types of fishery products p 69
Voskresenskii, N.A., Artiukhova, S.A - Method of working out formulas for the sterilization of canned fish p 71
Chemerenko, N.V. - New varieties of canned food from small fish. p. 79.
Lagunov, L.L., Rekhina, N.I - Nutritional value and use of some invertebrates p 82.
Komissarenko, G. - Work of the fishing collectives of Krasnodar Territory. p 86.
New agreement among the governments of the U.S.S.R, the German Democratic Republic, and the Polish People's Republic on cooperation in the field of sea fisheries p 92.
In the International Council for the Exploration of the Sea p 93.
Agreement on the regulation of pelagic whaling in Antarctica. p 93.
New literature on the fishing industry p 95

VETERINARIIA [VETERINARY MEDICINE] Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.] Moscow, vol. 37, no 2, Feb. 1960.

Table of contents translated

Boiko, A. - The decision of the Plenum of the Central Committee of the CPSU must be made the basis for work. p. 5.
Erin, V.V., Kuzin, A.N. - Control of ox warble flies. p. 10.
Galuzo, I.G., Rementsova, M.M. - Reservoir of brucellosis infection in nature. p. 12.
Didovets, S.R. - Foot-and-mouth disease as a zoonotic infection. p. 16.
Shmulevich, A.I., Evplov, N.N. - Combined drug treatment of cattle with theileriasis. p. 20.
Tverdokhlebov, I.A. - Tuberculin reactions under a varying duration of tuberculosis and their comparative evaluation. p. 24.
Balabekian, TS.P. - Neoascariasis in cattle. p. 27.
Slavin, G.P., Kovaleva, E.P., Vizirov, B.N. - Problem of toxoplasmosis in veterinary medicine. p. 28.
Korotich, A.S., Golota, IA.A., Gushcha, G.I. - Sources of infection in swine erysipelas. p. 32.
Prokof'eva, M.T., Golubnichii, V.P. - Aerogenic method of vaccination against fowl plague. p. 35.
Fomina, A.IA., Akulov, A.V., Shishkina, E.IA. - Evaluation of the specificity of standard allergens in the diagnosis of tuberculosis in hens. p. 38.
Shcherbina, A.K., and others. - Antibiotics in experimental pasteurellosis in poultry. p. 40.
Vasil'eva, I.N. - Ammonium nitrate, a means of controlling Limnaeus truncatulus in pastures. p. 41.
Polykovskii, M.D., Kagan, F.I., Podkopaev, V.M. - Studies on the activation of ε -protoxine in type D Clostridium perfringens cult...
Sm...

VLADIVOSTOK TIKHOOKEANSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT RYBNOGO KHOZIAISTVA I OKEANOGRAFII Izvestiia [PACIFIC OCEAN SCIENTIFIC RESEARCH INSTITUTE OF FISHERIES AND OCEANOGRAPHY Bulletin] Vol 46, 1960

Table of contents translated

Gilkina, I. A. - Reproduction and development of th. Okhotsk herring p 3

Mikulich, E. V. - Distribution of plankton in the northern part of the Sea of Okhotsk in the summer of 1955 p 41

Ivlev, V. A. - Nature of the distribution of zooplankton at the southwestern shores of Sakhalin p 65

Pushkareva, N. P. - Materials on the fecundity and development of eggs of the Pacific mackerel Pneumatophorus japonicus p 79

Meshcheriakova, I. M. - Seasonal changes in the plankton of the open waters of the Sea of Japan p 93

Scalkin, V. A. - Benthos of the Terpeniye Gulf, its role in the feeding and distribution of the dab Limanda aspera (Pall.) p. 145.

Fuks, V. R. - Effect of internal tidal waves on daily vertical migration of commercial sea fishes p 169

Levanidov, I. P. - Movement of water in the system fish - salt - brine p 197

Malkina, A. F. - Technological characteristics of striped tuna p 213

Ertel', L. IA. - Technology of the production of fodder meal from fish p 221.

Novikov, IU. V. - Age determination from scales and the age groups of saury [Cololabis saira (Brevoort)] in the region of the southern Kurile Islands. p. 233

Druzhinin, A. D. - Notes on some fishes occurring at the shores of Sakhalin p 243

Kolutin, R. I. - Occurrence of silver salmon in the Amur Limin. p 246

Khriptova, N. V. - Materials on the spawning of anchovies and sardines p 247

Fadeev, N. S. - Some data on the spiny dogfish of the eastern shores of southern Sakhalin. p 247

Shelegova, E. K. - A case of sudden cooling of waters in summer at the southwestern shores of Sakhalin. p 249

Fuks, V. R. - Representativeness of oceanographic observations p 251

Kizevetter, I. V. - Technological characteristics of Hemiculter leucisulus from Lake Khanka. p 257

VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PTITSEVODSTVA Sbornik rabot molodykh uchenykh [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF POULTRY RAISING Papers by Young Scientists]. Moscow, no. 4, 1962. Doklady na IV Nauchnoi konferentsii aspirantov 22-24 marta 1961 g. [Reports at the Fourth Scientific Conference of Graduate Students, March 22-24, 1961].

Table of contents translated

Golubev, A. IA. - Comparative effectiveness of labor organization as related to the mechanization of production in keeping layers in cages on the "IUzhnyi" State Farm and at the Glebovo Poultry Plant, p.3.

Shigaeva, M. L. - Tasks and prospects of raising poultry for meat in Western Siberia p. 9.

Bezrukova, G. V. - Comparative evaluation of the pasture and pastureless methods of keeping goslings. p 15.

Smirnov, B. V. - Effect of early physiological maturation of hens on their productivity and the breeding quality of the progeny. p. 23.

Sergeev, V. A. - Methods of accelerated evaluation of the breeding qualities of roosters in the production of chicks for meat. p. 34.

Azimov, S. G. - Biological and economical characteristics of hybrid hens raised for meat in Uzbekistan. p. 42.

Verdiev, D. G. - Results of crossing local Azerbaijan hens with dual-purpose roosters in cage maintenance of the young birds. p. 58.

Len', T. S. - Poltava hens. p. 70.

Ageev, V. N. - Determining the most efficient methods for feeding the emulsified preparation of vitamin A in raising chicks for meat. p. 80.

Ostrivnoi, I. M. - Utilization of nutrients by chicks raised for meat. p. 91.

Ostrivnoi, I. M. - Practices in feeding chicks raised for meat during the fall-winter period. p. 99.

Ermolaeva, A. L. - Highly nutritive rations for chicks raised for meat. p. 104

Aliab'ev, E. V. - Low-concentrate type of feeding ducklings raised for meat. p. 113.

Khashimov, I. E. - Proper time of fattening and slaughtering ducklings raised for meat with the use of the natural food supply of waters. p. 122.

Mishin, G. M. - Feeding value of reservoirs for raising ducks in Sverdlovsk Province. p. 132.

Okhman, Z. I. - Raising ducklings for meat in reservoirs in the southern Lake Balkhash region. p.140.

Lotenkov, M. I. - Using antibiotics in rations for fattening geese. p. 148.

Zlochevskaia, K. V. - Some aspects of the embryonic development of hens of the Zagorsk strain in various seasons. p. 155.

Nikitina, O. IU. - Studying glycolysis and the respiration of tissues as a method for estimating the energy metabolism during the development of the embryo p 166.

Sindarovskaia, I. N. - Some characteristics of the interrelation between nitrogen and energy metabolism in the ontogenesis of hens. p. 177.

Chechetkin, A. V. - Ontogenic characteristics of protein and nucleoprotein metabolism in chick tissues. p. 183.

Kutikov, E. S. - Breed-related differences in mineral metabolism in hen bones. p. 193.

TSimokh, P. F. - Etiology of infectious sinusitis (grippe) in ducklings. p. 203

Shilnov, F. B. - Infectious conjunctivitis in chicks and measures for its control at the Baku Poultry Plant p 210.

Omel'chenko, O. E. - Labor productivity in raising chicks for meat under various conditions of production. p 222.

(DNAL)

c. FORESTRY

AKADEMIIA NAUK SSSR. Laboratoriia lesovedeniia, Soobshcheniia [ACADEMY OF SCIENCES OF THE U. S. S. R. Laboratory of Forestry. Reports]. Moscow, no. 6, 1962.

Table of contents translated

Dylis, K. V. - Role of Academician V. N. Sukachev in the development of the study of forests. p. 5.

Lavrenko, E. M. - V. N. Sukachev's theories of biogeocoenosis p. 13.

Grudzinskaia, I. A. - Systematic position of Ulmus pinnato-ramosa Dieck p 19.

Karandina, S. N. - Ecological differentiation of oak in dense plantations. p. 28

Karpov, V. G. - Some problems of the phytocoenosis of spruce forests in the light of experimental data. p. 35.

Orlov, A. IA. - Growth and death of pine, birch, and spruce roots under periodical flooding by soil water p 62.

Elagin, I. N. - Seasonal development of larch forests. p. 83.

Smirnov, V. V. - Some problems of seasonal growth of the aspen p 94.

Oloviannikova, I. N. - Plant ecology in pine strip forests of the Irtysh Valley. p. 112.

Afanas'eva, E. A. - Effect of the vital activities of plants on soil processes in Chernozems. p. 132.

Zonn, S. V., Li Chen-kvei [Li Ch'eng-k'uei]. - Dynamics of the decomposition of litter and seasonal changes in its ash composition in two types of tropical biogeocoenosis p. 144.

Egorova, S. V. - Effect of the root systems of trees on soil microflora p. 153.

Rafes, P. M. - Effect of the population density on the length of burrows and the number of progeny in bark beetles as exemplified by the bark beetle Blastophagus minor Hart p 167.

Kabanov, N. E. - Bamboo forests in South China, Yunnan Province. p. 191

KHIMKI. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MEKHANIZATSII I ENERGETIKI LESNOI PROMYSHLENNOSTI. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF MECHANIZATION AND USE OF POWER IN LUMBERING. Transactions] No 41, 1963. Voprosy mekhanizatsii okorki drevesiny [Problems in the mechanization of bark peeling].

Table of contents translated:

Simonov, M. N. - Some relationships of the physical and mechanical properties of the bark and wood of pine, spruce, birch, and aspen. p. 3.

Simonov, M. N. - Calculations and experimental investigation of the parameters of cutters for bark peeling p. 13.

Semerchan, A. A., Osipov, A. I., IUgov, V. G. - Focusing of continuous water jets subjected to the action of an electric field. p 49.

IUgov, V. G. - Problems in selecting nozzles for crushing bark by a water jet at subsonic speed. p. 55.

Simonov, M. N., Gorchakova, E. V., Beksha, G. N. - Experimental investigation of chemical peeling of standing trees in the U. S. S. R. p. 67.

Lasitsa, M. D. - Fundamentals of the kinematics and dynamics of pulsed hydraulic compressors and pulsed water jets. p. 99.

LESNAIA PROMYSHLENNOST' [FOREST INDUSTRIES]. Organ of Gosudarstvennyi komitet po lesnoi, tsellyulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva lesnoi promyshlennosti i lesnogo khoziaistva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry]. Moscow, vol. 40, no. 5, May 1962.

Table of contents translated:

Tasks of summer work. p. 1.

Kilikov, A. M. - Automatically controlled feeding device with a relay channel. p. 3.

Shotin, K. S. - Buffer stock of trees on a backup platform. p. 6.

Shalavin, V. T. - Automatic volume meter for round lumber. p. 7.

Dorozhkin, P. P. - Improve the work of lumbering enterprises in the Far East. p. 9.

Sannikov, A. A. - Controlling the vibration of the foundations of saw frames. p. 11.

Smirnov, A. N. - New developments in the technology of floating on small rivers. p. 15.

Rakhmatullin, M. G. - Efficient method for binding bundles. p. 17.

Artamonychev, A. N., Vakhitov, N. S. - Strap containers for round lumber. p. 18.

Shoshin, N., Emel'ianov, B. - Choker with a quick-release lock. p. 18.

Tendler, M. M. - Device for automatic stopping of a conveyor. p. 19.

Zhuk, D. S. - Choker with a gib-and-cotter. p. 19.

Razumovskii, R. V. - Limbing with a cable limber. p. 19.

Readers' conference. p. 19.

Gol'dman, E. I. - Apparatus for studying work operations. p. 20.

Results of the competition for the best project of the establishment of safe and hygienic work conditions. p. 20.

Korchenko, R. A. - Raising the cultural and technological level of lumbermen. p. 22.

Rodinglo, A. A. - A complex enterprise should work out a comprehensive plan. p. 24.

Bashelkhanov, A. - Floating and land transportation of lumber. p. 26.

Vikulov, S. F., Sergeev, D. E. - Community participates in the solution of economic problems. p. 28

Eremenko, F. I. - Urgent problems. p. 28.

Kessel', I. V. - New lumbering machinery. p. 29

What the Maikop Plant manufactured in 1962 p. 29

Accelerate the development of sawmilling and wood processing. p. 32.

Production innovators in the campaign for advanced technology. p. 2 of cover.

Vol. 40, no. 6, June 1962.

Table of contents translated.

Lopukhov, E. I. - Higher school of forestry. p. 1.

Pylaev, M. A. - We are introducing advanced technology. p. 3.

Otlev, I. A. - Manufacture of chips for industrial purposes (to be concluded). p. 5.

Abramov, I. Sh. - Mechanization of the formation of lumber bundles. p. 7.

Varakin, N. - Container-loading of short timber at a lower landing. p. 9.

Barinov, A. I. - Loading bundles on a ship by crane. p. 11.

Lur'e, L. Z. - Sawmill of the future. p. 12.

Khasdan, S. M., Levin, E. P. - New standards for gang saws. p. 16.

Solov'ev, B. A. - Prolong the time of service capability for floating equipment. p. 18.

Manukhin, G. A., Vladimirov, S. A. - Check of the strength of a sectional raft (to be concluded). p. 19

Pershin, V. G., Belovzorov, L. N. - Equipment for repairing the ignition system of the "Druzhba" saw. p. 19.

Novikov, S. IA. - What the Leningrad designers are working on. p. 22.

Laiko, M. V., Krasavin, S. A. - Change the procedure for planning capital investments. p. 23.

Fogel', D., Bolikhi, A. - Parameters of wood-cutting combines in Siberia and the Far East. p. 25

Lavrovskii, G. N., Priazhnikov, A. N. - Possibilities of economic use of Siberian pine forests in the Gornyy Altai. p. 26.

Garuzov, V. I. - Wide scientific basis for technological progress. p. 30.

Trubnikov, M. - Expand the reforestation work at logging camps. p. 31.

Kessel', I. V. - Procurement of chips in cutover areas. p. 32.

Mitrofanov, A. E. - Modernized unit for road construction. p. 34.

Production of the Solombala Machinery plant. p. 31

d. PLANT CULTURE

MUSU GIRIOS [OUR FORESTS]. Issued by Lietuvos TSR Miskų ukio ir miško pramonės ministerija and Gamtos apsaugos komitetas prie Lietuvos TSR Ministrų Tarybos [Ministry of Forestry and Lumbering of the Lithuanian S. S. R. and the Committee on Conservation, Attached to the Council of Ministers of the Lithuanian S. S. R.]. Vilnius, nos. 9(182)-10(183), Sep.-Oct. 1963. [In Lithuanian]

REFERATIVNYI ZHURNAL: LESOVEDENIE I LESOVODSTVO (Otdel'nyi vypusk 56) [JOURNAL OF ABSTRACTS: FORESTRY AND FOREST MANAGEMENT (Separate Issue 56)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 11, Nov. 1963.

ALMA-ATA. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZASHCHITY RASTENII. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF PLANT PROTECTION. Transactions] Vol. 7, 1962

Table of contents translated:

Ier, P.A. - Materials on the biology of the Turanian and desert locusts (Orthoptera, Calliptamus) in Chimkent Province p.3

Chernyshev, P.K. - Zonal distribution of granary pests p.57

Chernyshev, P.K. - Studying the fauna of rural granaries in Kazakhstan p.62

Ol'khovenko, V.I. - Disinfecting stored seeds with suspensions of DDT and hexachloran dusts p.74

Slukina, K.A. - Harmfulness of the cutworm Hadena sordida p.78

Serkova, L.G. - Biology of the leaf beetle Throne silphoides, a pest of pasture plants p.83

Sintsova, M.P. - Use of the MI-1 helicopter in controlling pests in the orchards of the Alma-Ata fruit zone p.109

Vasil'ev, K.A. - Italian locust (Calliptamus italicus L.) in central Kazakhstan p.123

Skopin, N.G. - Larvae of the subfamily Pimeliinae (Coleoptera, Tenebrionidae) p.191

Savoiskaia, G.I. - Morphology and systematics of larvae of the genus Coccinella L. (Coleoptera, Coccinellidae) p.299

Savoiskaia, G.I. - A new species of ladybirds Semiadalia przevalskii Sav., sp.n. (Coleoptera, Coccinellidae) p.316

Savoiskaia, G.I. - Ladybirds of the genus Coccinula Dobzh. in southeastern Kazakhstan. p.323

Shek, G.Kh. - Regularities in the mass multiplication of the cutworm Hadena sordida p.334

Mal'kovskii, M.P. - Role of the digger wasp Tachysphex pompiliformis (Panz.) in reducing the number of the Asiatic locust Dociostaurus kraussi Ingen. p.342

Ier, P.A. - Some problems in the evolution of robber flies. p.347

Svetlichnyi, N.V. - Materials on the ecology of the striped grain flea beetle (Phyllotreta vittula Redt.) p.363

Fedosimov, O.E. - Ground beetles in the southwestern Virgin Territory p.402

Kosmachevskii, A.S. - Biology and ecology of the Turkestan click beetle Agriotes meticulosus Cand. p.405

Kirillov, V.P. - Pests of shelterbelts in the Virgin Territory and measures for their control. p.409

Kryl'tsov, A.I. - Topography of rodent molt and the possibility of its use as a taxonomic character. p.416

Fedotkiev, A.K. - Effectiveness of calcium and sodium cyanide mixture in controlling yellow suslika. p.452.

Gavrilov, E.I. - Biology of the sparrow Passer hispaniolensis Temm. and measures for its control in Kazakhstan p.459

Yaleskii, A.N. - Effect of the farming system on the dynamics and behavior of the suslik Citellus erythrogenus in regions subjected to wind erosion. p.529.

Yaleskii, A.N. - Ecology of the wood vole Clethrionomys glareolus Schreb. in western Kazakhstan p.573

Glazkov, P.N. - Controlling wild oats with a water emulsion of carbine using various dispersion degrees. p.577

Butenisov, S.T. - Potato wilt in southern and southeastern Kazakhstan. p.580.

Al'muratov, N.N. - Results of testing smut-controlling fungicides in the eradication of Ustilago hordei and Ustilago avenae in southeastern Kazakhstan p.596

Kazonas, L.D. - Third supplement to the list of the diseases of farm plants in Kazakhstan. p.607

Isiptkina, E.I. - Some work results of differentiated use of preparations for controlling smuts p.613 (DNAL)

KHLOPKOVODSTVO NA POLIVNYKH ZEMLIAKH, ukazatel' literatury [COTTON GROWING ON IRRIGATED LANDS, Index to the Literature], 1960. Issued by TSentral'naia nauchnaia sel'skokhoziaistvennaia biblioteka [Central Agricultural Library]. Tashkent, pt. 2, 1962.

KIEV, UKRAINS'KYI NAUKOVO-DOSLIDNYI INSTYTUT SADIVNYTSTVA. Naukhnye trudy [UKRAINIAN SCIENTIFIC RESEARCH INSTITUTE OF HORTICULTURE. Studies]. No. 10, 1962. Agrotekhnika plodovykh kul'tur [Agricultural practices for fruit crops].

Table of contents translated:

Sheremet, I.A., Il'chishina, N.G. - Fall tillage methods for orchards in sandy and sandy-loam soils of the Ukrainian Polesye. p.3.

Tarasenko, M.P., Il'chishina, N.G., Semenova, O.P. - Depth and methods of tillage before planting in the establishment of apple orchards in various soils of the Ukrainian S.S.R. p.14.

Zelenskaia, E.D. - Methods of placing fertilizers in young orchards p.43.

Zelenskaia, E.D. - Root excretions of fruit and berry plants. p.53.

Zelenskaia, E.D. - Leaf diagnosis of fruit crops p.68.

Il'chishina, N.G. - Suitability of turf-Podzolic soils for fruit culture in the Ukrainian Polesye. p.79

Verbovyi, K.A. - Training of apple and pear trees in the Ukrainian S.S.R. p.100.

Tarasenko, M.P. - Dwarf rootstock for apple and pear in the Ukrainian S.S.R. p.134.

Tarasenko, M.P. - Yield of apple nursery stock grafted on cultivated varieties. p.155.

Romanov, A.A. - Growing rootstock of pome fruits. p.164.

Kolomiets, I.A., Romanova, A.T. - Effect of pruning on the growth and anatomic structure of branches in uneven-aged apple trees p.173.

Kolomiets, I.A. - Growth of apple on steep slopes in the eastern forest-steppe of the Ukrainian S.S.R. p.191.

Gushchin, M.IU., and others. - Frost damage to fruit trees in winters with various combinations of meteorological factors. p.204.

Meshcheriakov, G.I. - Effect of the shortening of branches by pruning on the physiological processes and fruiting of apple. p.222.

Berezenko, N.P. - Morphogenesis of generative and vegetative buds in sweet cherry. p.240

Nazarova, N.G. - Effect of pruning and fertilizing on the vegetative growth and development of reproductive organs in young apple trees in the southern Ukrainian Polesye. p.257. (DNAL)

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZERNA I PRODUKTOV EGO PERERABOTKI. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF GRAIN AND GRAIN PRODUCTS. Transactions]. No. 44, 1963.

Table of contents translated:

Demin, G.S., and others - Improving the technology of postharvest processing of grain. p.3

Liubarskii, L.N., Gracheva, N.V. - Exemplary method of determining grain moisture by the use of the SFSh-3m apparatus p.17.

Ratanova, V.F., Polchaninova, G.A., Lobanov, V.IA. - Effect of methyl bromide on the germination of seeds as related to their moisture. p.37.

Klimova, N.V. - Studying the ripening process of forage bean seeds. p.47.

Sergeev, F.P., Sosedov, N.I. - Pyrolytic method for quantitative determination of methyl bromide in fumigated grain and grain products p.59.

Florenskaia, N.K., and others. - Commercial storage of mixed feeds enriched with minute quantities of various supplements p.67

TSetsinovskii, V.M. - Methods for estimating the technological effect of separation. p.77

Petrova, N.A., Romanova, N.V. - Utilization of the basic assets of corn processing enterprises. p.95

Kaplina, E.I., Demidov, A.R., Ptushkin, A.T. - Analyzing the static characteristics of a roller machine with the purpose of selecting the optimal controlling effect on the rollers p.101

Segeda, D.G. - Device for continuous control of the feeding of a bucket conveyor p.115

Dzhorogian, G.A., Blokhina, L.S. - Effect of moisture on the coefficient of thermal conductivity of a single grain of wheat p.121.

Kravtsova, B.E., Shub, G.I., Egorova, T.V. - Quality of grain taken by sampling cylinders of various designs p.131

ODESSA. VSESOIUZNYI SELEKTSIONNO-GENETICHESKII INSTITUT. Nauchnye trudy [ALL-UNION INSTITUTE OF PLANT BREEDING AND GENETICS. Studies]. No 6, 1962.

Table of contents translated.

Mustiko, A.S., Kliuchko, P.F., Kukina, T.I. - Works on the study and practical use of male sterility in corn. p.3.

Khablo, T.G. - Effect of pollination methods and pollination with foreign pollen on the setting of seeds and viability of corn progeny. p.16.

Vengrenovskii, S.I., Dzhelali, N.I. - Peas in the southern Ukrainian S.S.R. and breeding problems. p.23.

Khitrinskii, V.F. - Controlling the heredity in peas by conditioning. p.31.

Shalin, IU.P. - Controlled development of frost resistance in winter wheat hybrids. p.42.

Nikiforov, O.A. - Importance of light and temperature during the vernalization period of winter wheat plants under natural conditions in the southern Ukrainian S.S.R. p.47.

Shumakova, E.M. - Resistance of various winter wheat varieties to low temperatures as related to meteorological conditions. p.55.

Garkavyi, P.F., Lyfenko, S.F. - Effect of the conditions of growth and development on the winter hardiness of winter barley. p.67.

Fedulova, N.M. - Phasic development of winter barleys in the southern Ukraine p.79.

Shimanskii, N.K., Loshak, I.F., Fastovets, L.S. - Characteristics of the development and oil formation in sunflower seeds in the southern Ukraine. p.87

Il'icheva, N.V. - Using vegetative hybridization in the development of winter vetch varieties p.94.

Sokolenko, N.F., Treskin, N.G. - Degeneration and improvement of seed potatoes. p.99.

Treskin, N.G. - Effect of soil moisture and temperature on the yield and seed qualities of potato tubers. p.109.

Sokolenko, N.F., Kotov, A.F. - The new potato variety Odesskiy 24. p.112.

Musiiko, A.S., Kliuchko, P.F., Pikus, G.P. - Germinative capacity and productive qualities of seed corn harvested at various ripening stages p.115

Musiiko, A.S., Solov'eva, N.A., Kliuchko, P.F. - Dynamics of the accumulation of basic nutrients in corn plants at various growth stages. p.123.

Vengrenovskii, S.I. - The "Yuzhnoukrainskiy" double-harvest sainfoin. p.131.

Dranenko, I.A., and others. - Effect of various factors on the prussic acid content of sorgo. p.136.

Voevodin, V.N. - Thermal castration of sorgo p.143

Dzhelali, N.I. - Basic problems concerning methods and techniques of crossing kidney beans. p.151.

Petrukhina, N.I. - Biology of the fertilization of forage vine crops. p.154.

Geshele, E.E. - Protective characteristics of plants with regard to parasitic fungi p.156.

Kukin, V.F. - Laboratory method for determining the sunflower resistance to broomrape. p.160

Kukin, V.F. - Disinfecting seeds in a granosan suspension. p.162.

Geshele, E.E., Karpenko, A.P. - Combined chemical and biological measures for the protection of plantings for growing and breeding of the Institute against the shield bug Eurygaster integriceps in 1960. p.164.

Cheshko, V.A. - Importance of mulching soils in the Dniester floodland p.169

Mardashko, A.A. - Brief characteristics of new hybrids of farm crops developed by the Institute. p.174.

Bakalo, A.N. - Breeding age of Red Steppe cattle. p.178.

REFERATIVNYI ZHURNAL' RASTENIEVODSTVO (Otdel'nyi vypusk 55) [JOURNAL OF ABSTRACTS' PLANT CULTURE (Separate Issue 55)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 21, Nov. 1963.

TABAK [TOBACCO]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 24, no. 4, 1963. (DNAL)

ZEMLEDELIE [AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 25, no. 10, Oct. 1963.

Table of contents translated:

Krasota, V.F. - Improve the training of agronomists. p.3.

Borisov, P.F. - Specialization of the state farm production and the system of agriculture. p.7.

Bobkov, K.N., Snikula, N.K. - State farm improves soil fertility. p.14.

Zolotykh, K.N. - We are growing large crops of headed grain. p.22.

Dzhulai, A.P. - Rice in salinized soils. p.24.

Karnerov, P.G. - Accelerated production of seed. p.28.

Rogozhkin, A.I. - Sugar beet as a proper source of the stabilization of the feed supply. p.29.

Koron'kov, D.A. - Agrochemical evaluation of urea. p.30.

Peterburgskii, A.V. - New compound fertilizers. p.34.

Stolypin, E.I., Mester, I.M. - Effectiveness of "nitrophos" in meadow soils. p.39.

Anspok, P.I. - Use of trace elements in agriculture. p.41.

Kaiumov, G. - Trace elements and the yield of rice. p.45.

Butseroga, M.M., and others. - Time and methods for the placement of fertilizers for corn. p.46.

Rozhdestvenskii, I.G. - Potassium fertilizers for sugar beets. p.50.

Kolmakov, G.P. - Effect of mineral fertilizers on the yield of sugar beets in the Buryat A.S.S.R. p.55.

Kisleiko, A. - Machines have come to the sugar beet fields. p.57.

Gel'tser, F.IU. - Recent discoveries on the nitrogen fixing ability of plants. p.58.

Berezmov, D.S. - Winning peat for fertilizing and bedding. p.61.

Abdina, G.I., Fatkhullaev, D.Z. - Effectiveness of manure-soil composts in the Sierozems of Uzbekistan. p.66.

Bulik, M. - For the next year's crop. p.68

Dzhalevich, F.K. - Controlling shrubs in meadows and bogs. p.69.

Koronov, K.E. - Chemical method for controlling willow growths. p.71.

Dubov, L. - Work creatively. p.72.

Pidalko, G.T. - Remodeling the SKEM-3 for harvesting roots of seed plants. p.76.

Maslov, E. - How to plow under the stubble remnants of corn. p.77.

Chernyan, K., Makhov, G. - Recent developments in the calculation of mineral fertilizers. p.78.

Cherkasskii, M.M. - In school one learns useful work. p.82.

Land of a neighbor is not the land of a foreigner. p.84.

Elagin, I.N. - Scientists. p.85.

Khoroshilov, I.I. - From abroad. p.89.

Golovan, G., Fedeneva, T. - Book reviews and bibliography. p.93.

16 TECHNOLOGY

a GENERAL

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Izvestiia. Seriia tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE UZBEK S S R Bulletin Series in the Technical Sciences] Tashkent, vol 7, no 4, 1963

Table of contents translated

Salikhov, S S - Two-element circuit for the conversion of a single-phase current system to a three-phase system p 5

Salikhov, Z.M. - Method for an automatic search of the extremum of a function of several variables p 21

Mospan, V S. - Device for obtaining probability characteristics of a random stationary function p. 26

Sagitov, M S , Filatov, A N - System of first integrals in the problem of the motion of a solid around a fixed point in central Newtonian force field. p 31.

Santov, IA. U. - Theory of the point impact on an elastic diaphragm p. 37.

Latypov, K.Sh - Some problems in unsteady flows of two-component media p. 42.

Vinogradov, IU B - Statistical analysis of hydrological phenomena recurring several times during a year p 53

Dzhurabekov, S. - Effect of the method of coal-mine field development on the origination of spontaneous fires. p. 59

Glazunov, L. A. - Action of sodium sulfate in the process of selective flotation of sulfides. p. 65

Martem'ianov, A I. - Evaluating mortar strength in laying walls of buildings. p. 71.

Monokrovich, E. I. - Problem of peak power. p.74.

Kaminskii, I.IA., Semenido, V I. - Covering peak loads in the Tashkent electric power system. p 75

Oranskii, L.N. - Problem of load peak in the consolidated Uzbek electric power system. p. 76

Zakhidov, A.Z , Polinov, S.A. - Covering peak loads in the unified Central Asian electric power system. p. 77.

Khamidov, A.Kh , Ikramov, I R. - Once more on the problem of covering peak loads. p. 80

General meeting of the Academy of Sciences of the Uzbek S. S. R. p. 81.

*BIULLETEN' IZOBRETENII I TOVARNYKH ZNAKOV [BULLETIN ON INVENTIONS AND TRADEMARKS]. Issued by Komitet po delam izobretenii i otkrytii pri Sovete Ministrov SSSR [Committee on Inventions and Discoveries, Attached to the Council of Ministers of the U. S S. R.]. Moscow, vol. 40, nos 16-19, Aug. - Oct. 1963.

INFORMATSIONNYI UKAZATEL' STANDARTOV [INFORMATION INDEX OF STANDARDS]. Published by Cosudarstvennoe izdatel'stvo po standartizatsii [State Publishing House on Standardization] Moscow, vol. 24, no. 9, 1963

*INZHENERNO-FIZICHESKII ZHURNAL [JOURNAL OF ENGINEERING PHYSICS]. Issued by Akademiia nauk BSSR [Academy of Sciences of the White Russian S.S.R.] Minsk, vol. 6, no. 10, Oct 1963.

Table of contents translated:

Vulis, L. A., and others. - Calculation of thermal conditions of a concrete dam for the selection of efficient methods of construction work. p. 3.

Kozyrev, B. P. - Basic problems of radiation pyrometry of slightly heated or cooled objects. p. 9.

Brodianskii, V. M., Ishkin, I. P. - Thermodynamic analysis of processes of the liquefaction of gases. p. 19.

Ginzburg, A. S., Dubrovskii, V. P. - Determination of the moisture diffusion coefficient for grainy materials. p. 27.

Valchar, J. - Effect of the irregularity of the stay time of particles in a fluidized bed on the drying process. p. 33.

Rabinovich, G. D. - Mechanism of radiation drying of varnishes. p. 40

Mikhailov, IU. A., Bornikova, R. M. - Heat and mass transfer during a constant drying speed. p. 45.

Pass, A. E. - Determining hygrothermal equilibrium of some hygroscopic substances. p. 53.

Sazhin, B. S., Miklin, IU. A. - Calculating the duration of drying of pastelike materials in conveyor belt dryers. p. 57.

Fryshev, N. A. - Determining the mean volume temperature under transient heat transfer conditions. p. 61.

Grinchenko, V. T., Ulitko, A. F. - Mixed boundary problem of heat conductivity for a half space. p. 67.

Tamurov, N. G. - Equations of unsteady temperature fields in sandwich plates with an unsymmetric structure. p. 72.

Revzin, I. S., Khitrin, L. N. - Investigation of high-temperature reduction of carbon dioxide in a pulverized coke flow. p. 76.

Alad'ev, I. T., Malkina, L. I., Povarnin, P. I. - Investigation of cooling properties of methyl alcohol at pressures (98-392). 10^5 newton per square meter. p. 83.

Kozlov, L. F. - Optimum suction of a boundary layer on a porous plate in an incompressible liquid. p. 88.

Stel'makh, G. P. - Investigation of the heat transfer of a gas jet in a cylindrical chamber. p. 93.

Kosterin, S. I., Finat'ev, IU. P. - Structure of turbulent flow in an annular channel with rotating internal cylinder. p. 96.

Dil'man, V. V. - Determining the coefficient of longitudinal turbulent diffusion in a channel with limited length. p. 101.

Brdlik, P. M., Kakabaev, A. - Experimental investigation of the condensation of inside-coil steam pipes. p. 104.

Timofeev, B. D., Sharypin, V. I. - Installation for experimental determination of viscosity of organic heat agents with a high melting point. p. 109.

Evgrafov, V. A. - Relationship between the airgap and porosity of disperse media. p. 112.

Il'in, N. I., Churaev, N. V. - Experimental investigation of moisture transfer in the capillary border area. p. 115.

Berezovskii, A. A. - Nonlinear boundary problems for a heat-radiating cylinder. p. 121.

Podstrigach, IA. S. - Temperature field in a system of solids conjugated by a thin interstitial layer. p. 129.

El'perin, I. T., Brazhnik, L. G. - "Advances in magnetohydrodynamics", collection of articles. p. 137.

Bogacheva, E. A. - Contents of the International journal "Heat and mass transfer," vol. 6, no. 7, July 1963. p. 140.

Vol. 6, no. 11, Nov. 1963.

Table of contents translated

Il'inskii, I. V., Garkusha, I. D. - Experimental determination of the local values of heat transfer coefficients in turbines. p. 3.

Romanenko, P. N., Kharchenko, V. N. - Resistance and heat transfer on a permeable surface in the case of gradient gas flow. p. 9.

Kosterin, S. I., Belova, N. T. - Effect of the rarefaction of a supersonic flow on the base pressure of a solid of revolution. p. 14.

Baskakov, A. P. - Mechanism of heat transfer between a fluidized bed and a surface. p. 20.

Tamarin, A. I., Borodulia, V. A. - Thermal diffusivity (mixing of particles) of a fluidized bed baffled by screens. p. 26.

El'perin, I. T., Minkov, V. A. - Thermodynamic optimization of technological heat exchange systems with cascade fluidized beds. p. 32.

Liuboshits, A. I. - Calculation of multiregion packed heat exchangers with a moving bed. p. 42.

Garkavyi, E. V., IAs'ko, O. I - Some temperature characteristics of an arc jet. p. 50.

Nikitina, L. M. - Determining the transfer potential of osmotically bound moisture. p. 52.

Kazanskii, V. M. - Specific heat of vaporization of moisture from capillaries of a disperse body. p. 58

Altynbaeva, S. S. - Testing certain relationships between heat conductivity and other characteristics of a liquid. p. 65.

Kasimov, B. S., Zigmund, F. F. - Free flow of thin films of viscous liquids on a vertical surface. p. 70.

Sholokhov, A. A. - Alteration of the temperature field in a solid body with a rectangular insulated [illegible] p. 76

Bokacheva, L. P., Popkov, K. K., Tabolina, I. V. - Calculating the spatial distribution of density of captured gamma radiation. p. 85.

Dideikin, T. S. - Kinetics of a reactor at the [illegible] subcritical state. p 90.

Antonishin, N. V., Zabudskii, S. S. - Heat transfer of a surface immersed into a developed [illegible] fluidized bed p 97

Rutskii, I. N. - Calculation of the volt-ampere characteristics of certain types of thermistors in [illegible] natural convection. p. 105

Rozhdestvenskii, A. M. - Motion of solid particles in channels between the blades of a turbine [illegible] removed p 112

Ugov, A. L. - Contact heat transfer and flow [illegible] p. 119.

Khazanova, N. L., Rott, L. A - Many-[illegible] critical phenomena p. 123

Maliavskaia, G. R. - Summaries of articles [illegible] in the international journal "Teplo- i [illegible] nos" no. 8, 1963. p. 136.

MOKSLAS IR TECHNIKA [SCIENCE AND TECHNOLOGY]. Issued by Lietuvos TSR Ministrų Tarybos Valstybinio mokslinio tyrimo darbų koordinavimo Komitetas [State Committee of the Council of Ministers of the Lithuanian S S R for the Coordination of Research] and others. Kaunas, vol. 6, no. 11, Nov. 1963. [Lithuanian]

MOSCOW. GOSUDARSTVENNYI NAUCHNO [illegible] VATEL'SKII INSTITUT NAUCHNOI I TEKHNICHESKOI INFORMATSII. Biulleten' tekhniko-ekonomicheskoi informatsii [STATE SCIENTIFIC RESEARCH INSTITUTE FOR SCIENTIFIC AND TECHNICAL INFORMATION Bulletin of Technical and Economic Information] Vol 16, no 10, 1963

Table of contents translated

Beloshapkii, V I , Gurevich, IU G - Continuous measurement of metal level in casting molds during steel teeming p 3

Kolevatov, P A., and others - Using dry [illegible] eliminating dust from ball and tube mills p 4

Fedorov, N M - The 6/21 precision flatbed [illegible] p 6

Berezin, V A - Continuous production of synthetic mineral pigments p 9

Barannik, V P , Andreev, L N , Sherstnev, V A - Preventing the entrainment of chromic acid [illegible] during chromium plating p. 13

Semeriuk, V I., Il'inova, L I , Patrykeev, S A - New composition for chemical degreasing p 15

Kim, V.S. - Manufacture of large objects from [illegible] paper impregnated with synthetic resins p 17

Petrenko, I P - Mold conveyor system for steel foundries p 20

Petrov, I V , Antonov, V A - Gas cutting [illegible] p. 21

Khumash'ian, I M - Using wet cores in production of large thin-walled castings p. 25

Ushtuzhin, IA A - Surface alloying of white cast iron castings at the Tagamlyk Combine Plant p 27

Glinchevskii, V N , Il'enkov, D F - Automatic limiter of the idle running of welding transformers p 28.

Zabuldovich, D G , L'vovskii, A IA - Heat treatment of rod-shaped parts by heating in an induction furnace with a lateral magnetic field p 30

Liubarskii, B.N., Ol'shii, A.M - Die for making shallow spherical parts p 33

Popbol', V K - Electromagnetic removing of parts from electrolytic tanks p 34

Rivilina, A.I., Adamov, L S - Silver plating from a cyanic electrolyte containing potassium nitrate p 35

Berzon, A I. - The RL002 and RL003 automatic lines for complete machining of generator frames p. 37

Kovalev, V A - Semiautomatic machine for the drawing of trimming interlacing curved brake rims and shields of bicycle wheels p 40

Chekov, I.M. - Machine for grinding and polishing strips, bands and sheets p 43

Meshkova, N.P., and others - Independent data input on the magnetic drum of the "Ural-2" electronic digital computer p. 47

Sogolovskii, E.P. - Miniature electron-beam [illegible] graph p. 49.

Lakeev, G.D. - Equipment for briquetting fiber filled molding p 51

Stramous, M F - Machine for abrasive-wear tests of sliding bearings. p 52

Efremov, S.I - High-efficiency production of [illegible] alloy plates. p. 54

Matsievskii, G A - The APP-1 automatic electric integrator for the investigation of potential fields p 55

Kukin, A - Slit distribution unit for ion-exchange filters. p 57

Vladimirov, V M - New technological processes and automatic equipment for finishing wooden articles p. 58

Chashchegorov S.N - High-speed wood drying. p 66
Zuberskii, L M - New spinning systems in the silk industry p 66
Lejas L G - Lightening the weight of woolen fabrics p 71.
Veselova, N D , Chernikov, R A - Practice of Bryansk Worsted Fabrics Works in using a new method of sizing p 74
Strokov, M , Bosin, L - The SSL-A universal stationary flax dryer p 77
Poturin N I - The RTU spreader. p 79
Gelfenkan, M P - Loading and unloading equipment for loose materials p. 81.
Golubev, A S - Checking and testing stand for testing motor-vehicle electric equipment p 86
Gershanik, A K - Use of foam polyurethan in the light industry p 90
Gershanik, A K - Increase of the productivity of forests of the Karelian S.S.R based on the drainage of swamped forest areas of state forest resources, p 91
Gelfert I V - Ways for increasing the production level and a wide introduction of hard-alloy and diamond cutting tools p 92
Dreizlov, N S , Smagin, P V , Koledin, I E - Practice in electric-erosion machining of materials of industrial enterprises of the Moscow City Economic Council. p 95
Leonidov N K , Shizhikova, L E - Effect of the coke quality on the indices of blast-furnace smelting p. 98
Gerlovskii, S.I., Rybkina, V V - Flotation reagents in the U S A p 102.

Vol 16, no 11, 1963
Table of contents translated:
Kostenko, F G - Great potentialities in steel production. p 3.
Strafeiadio, I P - Improving the quality of ores and eliminating their deficiency p.5
Babkhinov, V B - Efficiency of the substitution of nonferrous metals in metal-rolling equipment p 7
Sinenkhin, A IA , Poliakov, A IU. - Unit for determining the solubility of nitrogen in liquid alloys p 10
Denisov, P I - Electric drilling of oil and gas wells p 11
Maksimov, V.A - The BPM-1 boring and loading machine. p. 14.
Preslmman, L.B - Experience in electric rotary drilling of holes with side flushing. p 16
Kozlovskaia, L N , Mishustina, V.V - Hermetically sealing materials for radio equipment. p 17
Nikitin, D G , Birchenko, V IU - Mechanization of the process of homogeneous lead plating of steel chemical equipment p 21
Dodatkii, L M - Unit for the evaporation of caustic soda from drums p. 23.
Avgustov I A - Pneumatic press for rubber vulcanization p 25
Bobrovnikov, A N , Khazanov, I O - Casting punching dies from alloyed steel scrap p 26
Kandaurov, N.N , Berlin, S M - Automatic control of the process of obtaining undercuts in investment patterns p 29
Pavlusl, A.L - Lubricant for die-casting molds. p. 31
Rafal'skii, V I. - Program controlled unit for liquid carburizing and hardening of steel parts p 32
Dudetskii, E.M - Mechanized area for manufacturing drum knifes for a silage harvester p. 34
Strelkov, I N - Hydraulic press for repressing rotor iron p. 36
Shapovalov, V.F., and others - Completely automatic area for machining axle-type parts p. 37
Dimitriev, L N - Automatic line for setting radio parts on printed plates p 40
Cherpakov, B I - The 6871 centerless circular-grinding machine p. 42.
Mosenkis, M G - The KA-104 semiautomatic six-spindle lathe p 45
Furer, G.L. - Automatic proportioning scales. p. 47
Nikitin, V A., Smirnova, E.P. - The UIM-23 universal measuring microscope. p. 52.
Golubev, A.S - Device for checking cylinders of the piston group of carburetor engines. p 54
Chuvaev, IU.P. - The S-630 unit for the application of concrete p. 55.
Vasil'chenko, I I - The UAD asynchronous micromotors p 57.
Farkhutdina, A I - The APN electric motors. p 59
Dragun, G S - The NSV-1 and NSV-2 low-voltage stabilized rectifiers. p 60
Sinenko, A I - Insulating machine for armature coils of an electric traction motor. p. 62
Darshak, L.S. - Over-all mechanization with a partial automation of a wholesale textile warehouse for baled goods. p 64.
Grislis, V.IA. - Automatic proportioning device for programmed supply of liquids p. 66

Chuvaev, IU P - Colloid mill p 70
Kuz'menko, G I - The MDU-3 universal thrashing and crushing machine p 72
Komissarov, P M , Kuiaz'kov, V V - The VGS-3,5 garden hydraulic tree-trimmer truck p 73
Sekhin, V E - Providing strain-measuring equipment for the national economy p 75
Bonts, A I - Coordination of plant laboratory work in the coke industry p 76
Razin, V D - Saving metals at machinery plants of the Moscow City Economic Council p 78
Gellert, I V. - Practice of the enterprises of the Moscow Economic Council in increasing the reliability and durability of machine tools p 81
Leonidov, N K , Moshkina, G P , Tepen, V K. - Blasting solid fuel into the hearth of a blast furnace p 85
Tomasskii, I S , Syrkin, V G - Production of powder carbonyl iron abroad p 89
Cherenkova, L V , Kostiuchina, M.A - Automatic lines for machining body parts p 90
Lavrov, G V - Intensification of the processes of machining electroplated part surfaces p 93

MOSCOW. VSESOIUZNYI INSTITUT NAUCHNOI I TEKHNICHESKOI INFORMATSII Nauchno-tekhnicheskaia informatsiia [ALL-UNION INSTITUTE OF SCIENTIFIC AND TECHNICAL INFORMATION. Scientific and Technical Information]. No. 2, 1963.
Table of contents translated:
Arutiunov, N B. - Improving the organization of science-information work in our country and the tasks before the All-Union Institute of Scientific and Technological Information. p. 3.
Gor'kova, V.I. - Comprehensive list of captions used by abstract journals in the Soviet Union. p. 7
Dorfman, IA.G. - Development of captions in informational publications as exemplified by the cumulative volume of the abstract journal "Fizika " p. 12.
Galkina, Z.I - Organization of the reference machinery for a reference and information collection p. 14.
Lobkovskii, S.A. - Methodological seminars in a republic p. 18.
Korotkov, V P. - Introduction of the international unitary system in the U.S.S R. p. 19
Fuks, I.I. - It is necessary to define clearly the tasks of the sections of the information services of scientific research institutes and design offices. p. 20.
Sheinin, O.B. - The necessity of transcribing foreign surnames. p. 22.
Vleduts, G E , Stokolova, N.A - Arbitrary block system of encoding chemical compounds. p 23.
Bradshaw, P D. - The Walnut system, a large capacity document storage and retrieval system. [Translated from the English]. p. 29.
Kiriklis, Z A. - Use of punched cards for card catalogs of translations. p. 34.
Romanov, V.P. - Conversion of images in a model of a continuous neural system. p 36.
Khalkin, B.E. - Necessity of building multi-machine systems for processing information. p. 36.
Stognii, A.A. - New monograph on cybernetics. p. 38.
Shvarts, A.M., and others. - Experience in literal translation of patent literature from the English language by the "Strela-3" computer p 42.
Kurbakov, K.I., Smirnov, R B - Retrieval of information in a dictionary made by the compressed code method. p. 46.
Kal'manson, V.A. - Present-day method of typesetting texts for informational publications. p. 50.
Globachev, O.I. - System of industrial branch centers of scientific and technological information in the Polish People's Republic. p. 58.

No. 3, 1963.
Table of contents translated:
Mikhailov, A.I., Polushkin, V.A. - The theory of scientific information is a new independent scientific discipline. p. 3.
Levin, F.D. - Near-print industrial information; work practices of the Center for Scientific and Technological Information of the State Industrial Committee on the Gas Industry. p. 6.
Pimenova, V.M., Zarutskaia, A.V. - Coordination of reference and bibliographical work on technology. p. 10.
Mallarenko, D.P. - Organization of translation work in the "Gipronisotelektroshakht" Institute. p. 12.
Belogorskii, V.O. - Example of the systematization of information about parameters of radio engineering parts in tabular form. p. 13.
Fridman, A.IA. - Evaluation of the information services of the All-Union Electric Engineering Institute by workers in science laboratories in Moscow. p. 16.
Uspenskii, V.A., Shreider, IU.A. - Problems in the theory of science information. p. 17.
Chernyi, A.I. - Formal exposition of some general principles of information retrieval. p. 21.
Shtein, V.S. - Principles of machine recording of phase fields on diagrams of states in case of binary metal systems p. 31
Tiakhtengerts, E.A. - System of machine translation of special technical texts and retrieval of translated documents. p 36
Lipkin, S.A., Vorob'ev, G.G. - Use of punched cards for information retrieval. Preparing and reading punched cards p. 40.
Oshanina, E.A. - International Association of Agricultural Librarians and Documentalists. p. 47.

No. 5, 1963.
Table of contents translated:
Tyshkevich, N I - Basic problems in mechanizing the storage and retrieval of information p 3.
Letov, L K - Cards for abstracts are important means of improving the operativeness of information abstracted. p 9.
Berezin, L D., Gol'dgamer, G.I - Organizing and using the reference collection of the publication "Nauchno-tekhnicheskaia informatsiia." p. 12.
Boldov, V.G., Sheinin, O.B - Methods of abstracting used in the "International Geodetic Bibliography " p. 18.
Riger, G. - Party considerations in documentation and information work p. 20
Belogorskii, V.O - V E, Kublitskii's article and the problem of coordinating translation work p. 24
Nisnevich, L.B. - Model of a standard perception for scanning continuous images. p. 25.
Results of an inquiry concerning the use in Euratom countries of information retrieval systems. p 28
News of the Universal Decimal Classification. p. 29
Paducheva, E.V. - Logical stress in advertisements and notices. p. 31.
Nieset, R.T. - Basis of the "kalvar" system of photography. p 33.
Russian machine for microreproduction and the reading of microfilms. p. 37.

No. 7, 1963.
Table of contents translated:
The plan for research work in the field of scientific and technological information during 1964-65. p. 3.
Report on the meeting of the Permanent Working Group on problems of scientific and technological information of the Permanent Committee of the Mutual Economic Assistance Pact on Coordination of Scientific and Technological Research. p. 4.
Gendin, A.L. - Improving information work at enterprises and in organizations of the shipbuilding industry. p. 5.
Vtiurin, V.I. - Central Institute of Scientific Information on Building and Architecture, a division of the Academy of Building and Architecture of the U.S.S.R. p. 7-8.
Lipkin, S.A, Vorob'ev, G.G., Shchegolev, L.P. - Modernizing traditional card catalogs by using microphotocopying. p. 9.
IAkushin, B.V. - Algorithmic method of extracting subject concepts for the compilation of indexes (the called pairs method). p. 12.
Arsent'eva, N.G. - Synthesis of sentences in Russian with the aid of machines. Pt. 2. p. 21.
Kal'manson, V.A., Zlotnikov, G.G., Kas'ianov, V.V. - "Termokopir," a thermocopying machine. p. 30.
Automatic typesetting machine manufactured by Friden, Inc. (U.S.A.) [abridged translation from the English]. p. 32.
Wilson, L. - Main trends of the research in the field of information service in Great Britain [abridged translation from the German]. p. 34.
Mikhnevich, K.P. - European Translation Center. p. 37.
Brief news. p. 39.

PMTF; zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki [PMTF, Journal of Applied Mechanics and Technical Physics]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Department of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 5, Sep.-Oct. 1963.
Table of contents translated:
Karmazin, V.P , Stakhanov, I P - Calculating the volt-ampere characteristics of a thermoelectronic converter in the presence of diffusion. p 3.
Alievskii, M.IA., Zdanov, V.M - Transfer equations for a nonisothermal multicomponent plasma p. 11.
Leonov, G S., Pogosian, V A. - Theory of weak diffusion waves. p. 16.
Liubimov, G.A. - Variation of the electric potential near a channel wall during the motion of an ionized gas in a magnetic field p. 24.
Arkhipov, V N., Severinov, L I. - Rotational relaxation in a plane-parallel rarefaction wave. p 35.
Uriukov, B.A. - Theory of a differential ejector. p. 41.
Suponitskii, A M. - Calculation of thermal diffusion in laminar flow of a viscous fluid at moderate values of thermal and diffusion Prandtl numbers. p 48

722-705 O - 64 - 7

Khoperskov, A. F. - Liquid flow with formation of ... p. 54
Gol'dshtein, R. V. - Shul'man, R. I. - Cracks propagating from circular plates along a straight line of symmetry a ... p. 62
Markov, I. A. - Crack in equilibrium in a strip of finite width p. 69
Kostrovich, A. M., Pistur, L. A. - Twins in equilibrium near the plane surface of an isotropic medium p. 77
Shemyakin, E. I. - Stress waves in solid rocks p. 83
Gorodtsov, V. M., Martin, V. G., Iablokova, G. I. - Approximate equation of state of solid bodies p. 93
Alekseenko, V. D. - Experimental study of the dynamic field of stresses due to a contact explosion in a soil p. 99
Adushkin, V. V. - Formation of a shock wave and scattering of explosion products in the air p. 107
Apin, A. Ia., Vostrikov, I. M., Sosnova, G. S. - Course of the reaction in a detonation wave of mixed explosives p. 115
Baltiev, A. F., Korotkov, A. I., Sulimov, A. A. - Effect of pressure on disturbances of the combustion stability of porous explosives p. 117
Glazkova, A. P. - Effect of pressure on the deflagration rate of ammonium perchlorate p. 121
Zenin, A. A. - Heat transfer of microthermocouples during the combustion of condensed substances p. 125
Rozenshtok, Iu. L. - Dispersion and random error in measuring the temperature of a locally isotropic *turbulent flow* p. 132
Anisimov, S. I., Perel'man, T. L. - A nonlinear heat transfer problem p. 136
Murzinov, I. N. - Heat transfer at the critical point of a blunt body at low Reynolds numbers p. 139
Zinin, E. P., Popov, V. A. - Determining the mean cross section of collisions between electrons and neutral atoms in a weakly ionized gaseous mixture. p. 142
Chekmarev, I. B. - Flow between parallel walls in a periodic magnetic field p. 144
Nizarenko, V. V. - Simulation of a magnetohydrodynamic flow in a channel using an electrolytic cell p. 145.
Ivanov, G. V. - Variational methods of solving problems concerning the deformation and stability of plates and shells in creep p. 148
Shesterikov, S. A. - Approximate method for calculating creep buckling p. 151
Berezhnoi, I. A., Ivlev, D. D. - Torsion of prismatic rods from ideally plastic material taking microstress into account p. 154
Grigor'ev, O. D. - Theory of straight-line discontinuity of stresses for a real laminar flow of a rigid-plastic body p. 158
Samestnikov, V. S. - Relaxation of stresses in a thin-walled tube p. 159.

PROFESSIONAL'NO-TEKHNICHESKOE OBRAZOVANIE [VOCATIONAL TECHNICAL EDUCATION] Organ of Gosudarstvennyi komitet po professional'no-tekhnicheskomu obrazovaniiu pri Gosplane SSSR [State Committee for Vocational Technical Education, Attached to the State Planning Committee of the U. S. S. R.] Moscow, vol. 20, no. 9(220), Sep. 1963.

Table of contents translated.

In the course of the educational process let's train a new man, the builder of communism! p. 1
Let's raise educational work in schools to the new stage of pedagogical craftsmanship! p. 3
Mironenko, V. - The school year has begun p. 3.
Savel'ev, M. - Let's raise the quality of production training in industry! p. 4.
Dolbnin, G. - "Social sciences" course in vocational technical schools. p. 6.
Parunin, V. - We are creating a social science study room. p. 7.
Gan, V. - People and figures. p. 9.
Korovin, S. - Everyone should have a hobby. p. 12.
Mochalov, F. - For a high rank. p. 13.
Gonobolin, F. - Skills and habits in work training. p. 14.
Chirkin, F. - Young innovators are growing up. p. 15.
Borodkin, M. - Models of measuring instruments *p. 16.*
Nikitin, P. - We need a living contact. p. 17.
Pavlychev, F. - Stand for light signals. p. 18.
Postovoitova, L., Sinitskaia, N. - Toward active participation of students. p. 19.
Rudzeevskii, P. - Let's improve the production practice. p. 21.
Conference of our readers. p. 22.
Pankratova, N. - Experience of progressive workers as a basis of training. p. 23.
University of culture for machine operators. p. 24.
Grigor'ev, T. - Wide horizons. p. 25.
Trushnikov, I. - Let's systematically check the home assignments. p. 27.
Frenkel', S. - Seminar of specialists in methods. p. 29.
Blokhin, G. - Methodological work at a plant. p. 31.
Aitova, M. - Efficient exchange of experience p. 32
Krichkovskii, S. - Bibliography and the training of workers. p. 32

REFERATIVNYI ZHURNAL NAUCHNAIA I TEKHNICHESKAIA INFORMATSIIA (Otdel'nyi vypusk 59) [JOURNAL OF ABSTRACTS: SCIENTIFIC AND TECHNICAL INFORMATION (Separate Issue 59)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Moscow, no. 5, Sep. 1963.

RUSSIA(1917- R.S.F.S.R.) Leningradskii ekonomicheskii administrativnyi raion. Laboratoriia promyshlenno-ekonomicheskikh issledovanii. Trudy [Leningrad Economic Administrative Region. Laboratory for Industrial Economic Research. Transactions] Leningrad, no. 4, 1963.

Contents: Liphind, L. M., Shteinman, R. P. [Methods for preparing the production program of a machinery plant which provides for an increase in the level of serial production] Metody postroenila proizvodstvennoi programmy mashinostroitel'nogo zavoda, sposobstvuiushchie povysheniiu urovnia serinosti proizvodstva 32 p.

STANDARTIZATSIIA [STANDARDIZATION] Issued by Komitet standartov, mer i izmeritel'nykh priborov pri Sovete Ministrov SSSR [Committee of Standards, Measures, and Measuring Instruments, Attached to the Council of Ministers of the U. S. S. R.]. Moscow, vol. 27, no. 8, Aug. 1963.

Table of contents translated:

Levin, G. L. - Selecting types and sizes of caliper gauges. p. 3
Bubentsov, A. M., Polukanin, P. N. - Standardization of labyrinth sealings for turbines and compressors. p. 10.
Skazhennik, V. A. - Standardization of core boxes. p. 16.
Kalliteevskii, R. E., Rudnik, M. S., Tarakanova, A. A. - Standardization of log frames. p. 19.
Ivanov, A. G., and others. - Microstructure scale for alloyed tool steel. p. 22.
Melkonian, V. A. - Reviewing standards for copper. p. 24.
Plekhanov, F. S., Gorelkina, A. E. - Macrostructure scale for rails. p. 26.
Livshits, M. L. - Standardization of paint and varnish coatings. p. 23.
Kagan, S. S. - Reviewing standards for organic dyers. p. 30.
Il'in, V. V., Lukomskaia, A. I., Reznikovskii, M. M. Standardization of methods for machine testing of caoutchouc and rubber. p. 31.
Amosov, N. I., Savitskii, M. R. - Establishing the standard for panoramic windshields. p. 34.
Starchikov, A. V. - Losses in wall blocks made of sawed limestone during the storage and transportation. p. 35.
Zemlegliadov, K. G. - Standardization service in an industrial association. p. 38.
Sizov, D. M. - Controlling the observance of new *standards in Zaporozh'ye.* p. 41.
Surkov, E. V., Churashov, V. I. - Nonreleasing screws. p. 42.
Rokhman, D. E., Reznikov, E. A., Sots, G. A. - Stainless steel pipes. p. 43.
Baranov, M. I., and others. - Drilling pipes and pump compressor pipes. p. 44.
Zhukovskii, N. I. - Automatic vending machines. p. 47.
Panfilova, M. M. - Lavsan. p. 47.
Konik, B. T. - Seeds of bast plants. p. 48.
Markuze, K. M. - Standards for the fastness of silk dyeing. p. 49.
Designation of steel brands. p. 54.
Morozovskaia, I. S. - Discussion on the introduction of the "teks" system. p. 54.
Afanas'evskii, E. K. - Seminar on standardization in Leningrad. p. 55.
Galkin, N. S. - Extending the terms for the introduction of standards for wrenches. p. 56.
Palei, M. A. - Development of standardization in the German Democratic Republic. p. 56.
Standards for the machinery industry. p. 60.
Foreign standards. p. 61.

Vol. 27, no. 10, Oct. 1963.

Table of contents translated:

Gromian, M. B., Evstiushin, N. I., Zak, P. S. - Determination of the efficiency of a specialized manufacture of standardized parts and units. p. 3.
Grach, M. E. - Standardization of machines and equipment for mills and grain elevators. p. 8.
Rokhman, D. E., *Reznikov, E. A., Sots, G. A.* - Determining minimum data content for establishing norms for qualitative indices. p. 10.
Shuliko, IA. V. - Reviewing standards for flanges. p. 16.
Orzhekhovskii, S. - The McQuaid test of steel. p. 26.
Leikin, M. G. - Hard powdered-metal alloys for stonecutting tools. p. 29.
Torkunova, Z. A. - Wear test of knit goods. p. 32.
Kniazev, A. I. - Regulations for the delivery of scoured wool. p. 34.
Novikov, V. N., Shukhov, L. B. - Accounts of standards in the institute. p. 35.
Turdutin, K. B. - Standardization at the Ukrainian Territory Economic Council. p. 36.
Kornilkov, A. F. - Introduction of a state standard for surface roughness. p. 37.
Sinkov, E. V., Chumashov, V. I. - Divers. p. 37.
Rudnik, M. S., Landa, P. I. - Checking the wear of cutting machines. p. 39.
Karpeeva, N. M. - Products of the chemical industry. p. 40.
Demina, A. N., Kuz'mina, G. P., Romanova, I. S. - Determination of the unevenness of silk yarn. p. 41.
Musin, Kh. F. - Supplement the state standard 10146-62. p. 46.
Kiselev, P. P. - Specification for part drawings. p. 47.
Violation of the standard has been eliminated. p. 47.
Oils for diesel engines. p. 47.
Popov, D. I. - Seminar on standardization in the Moldavian S. S. R. p. 47.
Balonkina, I. I. - Conference on interchangeability, precision and control methods in the machine-building industry. p. 48.
Grigorii Nikolaevich Kiliev; obituary. p. 51.
Danilkina, N. T. - Essential inscriptions on technical drawings and directional specifications. p. 51.
Nikonov, K. D. - The 17th session of the Council of the International Standards Organization. p. 51.
Letenko, V. A. - Standardization trend in the technological preparation of production processes. p. 52.
State standards. p. 57.
Foreign standards. p. 59.

SVERDLOVSK. URAL'SKII POLITEKHNICHESKII INSTITUT. Trudy [URAL POLYTECHNIC INSTITUTE. Transactions]. Moscow, no. 102, 1961. Voprosy stroitel'noi mekhaniki [Problems of structural mechanics].

Table of contents translated:

Foreword. p. 3.
Rogitskii, S. A. - Stability of multispan continuous on elastic supports. p. 4.
Lopatyshkin, L. G. - Calculation of frames with columns like supports for stability beyond the elastic limit. p. 21.
Klimanov, V. I. - Stabilizing arches with continuous superstructure. p. 26.
Klimanov, V. I. - Stability of trusses. p. 41.
Dobrodeev, S. A. - Calculation of systems with a finite number of degrees of freedom for forced vibrations. p. 56.
Kogan, L. A. - Calculation of two-dimensional loads with a regular polygonal axis. p. 67.
Kirillov, G. M. - Calculation of frames by the method of distributing fixed-end moments. p. 77
Egorov, I. A. - Method of group distribution of the balanced moments in the calculation of frames. *p. 83.*
Lizarev, A. D. - Static calculation of beams with elastically joined ends. p. 94.
Lukhtin, A. A. - Calculation of toroidal shells with aid of an equation of five moments. p. 103.
Kosukhin, A. N. - Table of elastic reactions occurring at the edges of circular cylindrical plates of various reduced length. p. 109.
Sis'mekov, V. K. - Calculation of flat flanges which are rigidly connected with cylindrical shells p. 121.
Kogan, L. A., Sis'mekov, V. K., Nemtsova, M. K. - Experimental study of cast iron flange connections of hydraulic turbine joints. p. 132.
Spiridonova, N. I. - Stability of shells that are of *ellipsoidal.* p. 146.
Solomin, V. I. - Calculation of beams on an elastic foundation by the method of finite differences. p. 157.
Solomin, V. I. - Calculation of compressed and tensile rods by the method of finite differences. p. 171

TEHNIKA JA TOOTMINE [TECHNOLOGY AND PRODUCTION]. Issued by Eesti NSV Ministrite Nouko- Riiklik Teadustik-Tehniline Komitee and Eesti NSV Ametiuhingute Noukogu [State Scientific Technological Committee of the Council of Ministers of the Estonian S. S. R. and the Council of Trade Unions of the Estonian S. S. R.]. Tallinn, vol. 7, no. 11, Nov. 1963 [In Estonian]

TEKHNIKA - MOLODEZHI [TECHNOLOGY FOR YOUTH] Issued by TSentral'nyi komitet Vsesoiuznogo Leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 36, no. 8, 1963.

Table of contents translated:

Throw the light, "Searchlight of the Communist Youth League!" p. 1.

Kanin, IU - New functions of explosives. p. 3
Kachimov, F. - Elastic rubber substituting for hard steel. p. 4.
Zhukov, V. - Encounters of tomorrow, poem. p 5
For communist labor methods in science. p. 6.
Peet, D - "A hair of Mohammed", story. p. 8.
Picture of the month p. 11.
From one flight to another. p 12.
Gerkhard, O - "Letter", story. p 14
Rustle of pages. p. 16.
Vasil'ev, G. - Sport of gods and heroes p 16
Fate of a discovery. p. 17.
Our review. p. 18.
Do you know that. . . p. 18.
Korneev, M - Fifth stage of power engineering p 19.
Korneev, L - Beginnings of the space era (continued). p 22
Right of selection, story. Motto Kol Bit. p. 24.
Pekelis, V - Discussing the problems of today's cybernetics. p 27
Around the world p 30.
Chess. p 32.
Think and prove. p. 32.
The tire makers of Omsk at the round table of the editors board of the "Tekhnika Molodezhi" journal p. 33.
Gubarev, V. - New Soviet accelerator, a Gulliver. p. 37.
Sergeev, O. - Types of accelerators. p. 37.
Once upon a time. p. 38.
Berkevich, A. - Flow of time. p. 39.
"Individual rockets." p. 40.
From the history of length measurements. p. 40.

Vol 31, no 8, 1963.

Table of contents translated:

Galonen, IU. - City sprinters. p. 1.
Two wheels are sufficient. p. 2.
Poems of the current issue. p. 3.
Shkil'ko, G. - Television eye explores the depths of the oceans. p. 4.
Excursion to the moon. p. 4.
Litvinenko, I. - Molding metals. p. 5.
Lifshits, L. - Engineering laws...and their violators. p. 6.
Pisarzhevskii, O. - A romantic of communism. p. 8.
Brief correspondences. p. 10.
Open the skies to our airplanes. p. 12.
Aleksandrov, E. - Contrary to the textbooks. p. 16.
Konev, S. - Light determines the fat content of milk. p. 18.
The ABC's of calculating machines. p. 19.
Shcherbakov, V. - A road one year long. p. 19.
Orlov, V. - Beauty contest. p. 22.
Smirnov, V. - Mystery of the "Thresher" disaster. p. 24.
Drobyshev, IU. - Conquering the ocean depths. p. 25.
Secrets of the third dimension. p. 26.
News around the world. p. 28.
Morozov, N. A. - Moon craters and cirques. p. 30.
Abdullin, R. - Prevention of paraffin "thrombosis." p. 32.
Oshchepkov, P. - At the sources of the electron gas. p. 32.
Brain:
Luk, A. - At the control board of the brain. p. 33.
Pekelis, V. - Laboratory of thinking: 1001 why's. p. 34.
Bobrov, L. - Chemistry of the emotions. p. 36.
Chestnov, F. - Reflection of radio waves in space. p. 37.
Rustle of pages. p. 37.
Club of "Tekhnika-Molodezhi." p. 38.

ZHURNAL TEKHNICHESKOI FIZIKI [JOURNAL OF TECHNICAL PHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 33, no. 8, Aug. 1963.

Table of contents translated:

Makhan'kov, V. G. - Interaction between a relativistic neutral beam of charged particles and a magnetoactive plasma. p. 897.
Iovnovich, M. L. - Acceleration of a plasma clot by a plasma stream in a magnetic field p. 901.
Ostrovskii, L. A. - Electromagnetic waves in nonlinear media with dispersion. p. 905.
Timofeev, A. V. - Dissipative instability of a weakly ionized inhomogeneous plasma in a homogeneous external magnetic field. p. 909.
Demidov, V. P., Frank-Kamenetskii, D. A. - Relativistic dissipation on cyclotron harmonics in a plasma. p. 915.
Dnestrovskii, IU. N., Kostomarov, D. P., Skrydlov, N. V. - Waves in a plasma near the cyclotron resonances. p. 922.
Loladze, TS. D., TSintsadze, N. L. - Reflection and refraction of magnetohydrodynamic waves on the interface of two anisotropic plasma type media. p. 929.
Akhiezer, I. A. - Theory of the reflection of electromagnetic waves from a plasma. p. 935.
Komel'kov, V. S. - Growth of Lichtenberg figures in a nanosecond interval. p. 943.
Solov'ev, N. S - Apparatus for generating extreme synchrotron γ-radiation with external injection. p. 945.
Komar, A. P., Kruglov, S. P, Lopatin, I. V. - Use of a standard ionization chamber in measuring a bremsstrahlung energy flux. p 949
Dzhaugashtin, K. E - Partial case of the motion of a conducting fluid in a plane channel p 954
Karpman, V. I - Structure of the front of a shock wave propagating at an angle to a magnetic field in a rarefied plasma p 959
Zubov, V. V., Chistiakov, P. N - Comparison of the superhigh-frequency and probing methods for plasma density measurement. p. 967.
Borovik, E. S, and others. - Study of a supersonic jet of carbon dioxide as a target for ion charge exchange. p 973.
Vitman, F. F, Zlatin, N. A. - Collisions of deformable bodies and simulating the process. Part 1. p 982.
Bellakov, L. V., Vitman, F. F., Zlatin, N. A. - Collisions of deformable bodies and simulating the process. Part 2. p 990
Boim, A. B., Reikhrudel', E. M. - Cold cathode with a trigger in an electron gun. p. 996.
Ivakin, B. A., Suetin, P. E. - Interdiffusion coefficients for certain gases measured by the optical method. p. 1007.
Raizer, M. D., Frank, A. G., Kitaeva, V. F. - Localization of a high-frequency induction discharge p. 1011.

Vol. 33, no. 9, Sep. 1963.

Table of contents translated:

Fomin, A. A. - A sphere in the field of a coil carrying current. p. 1021.
Gordeev, G. V. - Maximum efficiency of a plasma current generator. p. 1031.
Golant, V. E., Danilov, O. B., Zhilinskii, A. P. - Plasma decomposition in a toroidal magnetic field. p. 1043.
Sinel'nikov, K. D., and others. - Visual study of plasma clots. p. 1055.
Moisseev, S. S. - Aperiodic instability of a relativistic plasma, p. 1059.
Zykov, A. I., Ostrovskii, Makhnenko, L. A. - Effect of the configuration of the electromagnetic field of the input transition on the dynamics of electrons in the grouping section with a constant phase velocity of the wave. p. 1066.
Gorbatenko, M. F. - Interaction of an electron beam with a plasma in a magnetic field. p. 1070.
Ostrovskii, L. A. - Generation and development of electromagnetic shock waves in transmission lines containing unsaturated ferrite. p. 1080.
Volkov, IA. F., Tolok, V. T., Kitvoruchko, S. M. - Θ-pinch plasma in a magnetic net. p. 1093.
Demirkhanov, R. A., and others. - Motion of electrons in a space-periodical helical magnetic field. p. 1098.
Dmitriev, A. V. - Studying a discharge in a narrow cavity bounded on one or both sides by a dielectric. p. 1104.
Iovnovich, M. L. - Acceleration of a plasma by a high-frequency field. p. 1116.
Zager, B. A., Tishin, V. G. - High-frequency resonance discharge in a cyclotron. p. 1121.
Maev, S. A. - Potential distribution in a thermionic energy converter. p. 1131.
Vandakurov, IU. V. - Flute instabilities for a rotating plasma filament. p. 1134.
Antonova, R. A., and others. - Interaction of shock waves. p. 1137.
Golant, V. E., Grinberg, G. A. - Solution of a nonlinear equation describing the decomposition of a plasma in a magnetic field. p. 1139.
Anisimov, A. I., Vinogradov, N. I., Golant, V. E. - Determining the coefficients of volume removal of electrons by plasma break-up in oxygen. p. 1141.
Doinikov, N. I. - Calculating the magnetic field of a cylindrical conductor of elliptic cross section. p. 1144.
Morguis, N. D., Korchevoi, IU. P. - Mobility and scattering cross section of cesium ions in a weakly ionized cesium plasma. p. 1146.

Vol. 33, no. 10, Oct. 1963.

Table of contents translated:

Azovskii, IU. S., and others. - Conical induction source of plasma bunches. p. 1149.
Sinel'nikov, K. D., and others. - Interaction of plasma bunches with an axially symmetric magnetic field. p. 1159.
Sheindlin, A. E., and others. - Apparatus for producing plasma and studying its properties. p. 1169.
Baksht, F. G. - Stability of Maxwellian plasma. p. 1173.
Bobyrev, N. A., Fedianin, O. I. - Stabilization of a current-carrying cylinder by means of a high-frequency magnetic field. p. 1187.
Khorasanov, G. L. - Recombination radiation in the diffusion break-up of a plasma in a magnetic field. p. 1193.
Dolgopolov, V. V, Stepanov, K. N. - Absorption of the energy of a high-frequency field by a plasma in the case of multiple ionic gyroresonance. p. 1198.
Mikhailovskaia, L. V., Mikhailovskii, A. B. - Limits of the stability of drift waves in an inhomogeneous plasma p. 1200.
TSintsadze, N. L., Loladze, TS. D. - Interaction of shock waves in magnetohydrodynamics. p 1206
Drobyshevskii, E. M - Volt-ampere characteristics of a homopolar discharge tube. p 1210.
Rikenglaz, L. E. - Unstable states of a Knudsen plasma. p. 1214.
Bulkin, P. S., Ponomarev, V. N., Solntsev, G. S. - Superhigh-frequency pulse discharge in long tubes. p 1222.
Shukeilo, I. A - Extraction of particles from a strong-focusing synchrotron by means of an azimuthally periodic perturbation of the magnetic field. p. 1127.
Tret'iakov, O. A., Shestopalov, V. P. - Diffraction of electromagnetic waves on a pair of plane metallic gratings p. 1232.
Tret'iakov, O. A, Shestopalov, V. P - Diffraction of electromagnetic waves on a pair of plane equiperiodic gratings different-sized gratings. p. 1244.
Kuprianov, S. E., Tunitskii, N. N., Perov, A. A - Dissociation of D_2^+ ions in collisions with molecules in the energy range 3.5 to 100 Kev. p. 1252.
Pilankovich, A. N. - Formula for the cross sections of elastic electron scattering. p. 1260.
Tiutikov, A. M., Shapiro, IU. A - Distortions in the delay curves for three-electrode analyzers caused by the grids. p. 1265.
Zhigal'skii, G. P, Potemkin, V. V. - Noises in cyclic magnetic reversal of ferrites at low temperatures. p. 1274.
Chupakhin, M. S., Glavin, G. G., Duev, L. T. - Polyatomic graphite molecules. p. 1281.

b AERONAUTICS

KRYL'IA RODINY [WINGS OF THE MOTHERLAND]. Issued by Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 14, no. 10, Oct. 1963.

Table of contents translated:

Festivals of winged people. p. 1.
Toward the Third All-Union Spartakiada in technical sports. p. 2.
Lukashin, V. - In aerial battles for the Dnieper River. p. 3.
Ural'skii, S. - A hero tells about heroes. p. 5.
Zel'venskii, IU. - Sport, work and a great deed. p. 6.
In the International Aeronautical Federation. p. 8.
Ratsenskaia, M. - The 25th anniversary competitions. p. 9.
Stepanov, E. - Competitions and records. p. 12.
Lisov, I. - Five circles instead of one. p. 14.
Filiushin, A. - In a glider to a designated point. p. 17.
Aleksandrova, T. - In the museum of the "Father of Russian Aeronautics." p. 19.
Pokrovskii, G. - From aircraft to space flight. p. 20.
Balakin, N. - Warmth of young hearts. p. 22.
Five in the sky and on the ground. p. 24.
Grigor'ev, G. - Trust the instruments. p. 25.
Murav'ev, G. - Gratifying results. p. 26.
Facts, events, people. p. 28.
Vinokurov, A. - Road to victory. p. 30.
Danilenko, V. - First air route. p. 32.
Fedorov, K. - Flight career of the Volga athlete. p. 33.
Dubrovin, B. - In love with the sky, verse. p. 34.
Stepanov, A. - At the sources of a song (conclusion). p. 35.
It is interesting to know that. p. 36.
Lebedinskii, M. - At the table of results. p. 39.
Viktorov, A. - At the zonal competition. p. 41.
Verbitskii, E. - Reductor for an airplane-model engine. p. 42.
Savarskii, N. - We are constructing engines ourselves. p. 46.

Vol 14, no 11, Nov. 1963

Table of contents translated:

In the orbit of communism p 1
Vorozheikin, A - Together with attacking troops p 2.
Oath obligates to study military affairs conscientiously p. 6
Burykh, A - Test p 6
Gol'dshtein, A - About the dearest and closest p 7
Arkhangel'skii, A - Creator of winged giants p 8
Anokhin, S. - Realization of a dream p 12
Zamiatin, V - With jet engines p 14
Ditrikh, N - First glider pilots in Kaluga p 15
New books p. 15.
Zhornik, D - True friendship p. 16
Balakin, N. - Dare, Tat'iana! p. 17.
Ignat'ev, S., Shumilov, V. - Above the wide Volga. p. 18.
Shokhan, N. - Young people are in front p 21
Lipovich, E. - The third attitude p 23

The second thousand is coming! p 25
Skatilov, S., Simakov, B. - "Golden wings" to Soviet motion pictures p 26
Vinokurov, A. - Masters of silk shells p 27
Borisenko, I. - Radar control of flights p 32
Bikaev, N., Shvyrtaev, V. - Proper processing of barograms p 35
Sokolov, YU. - Our team is the world champion p 37
Ermakov, A. - Victory of Soviet model airplane builders p 39
Vaganov, V. - Handy struts p 40
Radzhabli, R. - Training the year around p 41
Bolotkin, A. - Ukrainian sportsmen are the best p 42
"Il'ya Muromets" p 44
Fs'kov, V. - They are sixteen years old p 45
At the Aerial Sports Committee p 46

REFERATIVNYI ZHURNAL AVIATSIONNYE I RAKETNYE DVIGATELI (Otdel'nyi vypusk 34) [JOURNAL OF ABSTRACTS, AIRCRAFT AND ROCKET ENGINES (Separate Issue 34)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Moscow, no. 11, Nov. 1963.

REFERATIVNYI ZHURNAL: RAKETOSTROENIE (Otdel'nyi vypusk 41) [JOURNAL OF ABSTRACTS: ROCKET BUILDING (Separate Issue 41)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Moscow, no 11, Nov. 1963.

REFERATIVNYI ZHURNAL: VOZDUSHNYI TRANSPORT [JOURNAL OF ABSTRACTS: AIR TRANSPORTATION] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Moscow, nos 11-12, Nov.-Dec. 1963. [This journal is also issued in parts.]

c CHEMICAL TECHNOLOGY

GIDROLIZNAIA I LESOKHIMICHESKAIA PROMYSHLENNOST' [HYDROLYSIS AND WOOD CHEMISTRY INDUSTRY] Issued by Gosudarstvennyi komitet po lesnoi, tsellyulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khozlaistvu pri Gosplane SSSR and TSentral'noe pravlenie NTO bumazhnoi i derevoobrabatyvaiushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industries] Moscow, vol 14, no 8, 1961.

Table of contents translated

Chepigo, S. V. - Problems of the hydrolysis and wood chemistry industry in the light of the resolutions of the 22d Congress of the CPSU. p 1.
Uvarov, I. P., and others. - Vapor-phase pyrolysis of wood-tar oils. p. 5.
Korotov, S. IA., and others. - Distillation of pyrogenic wood tar in tubular furnaces. p. 7.
Lebedev, N. V. - Crystallization processes in the production of glucose. p. 8.
Turetskii, IA. M., and others. - Using chlorine lignin for the flotation of iron ores. p. 10.
Goblik, V. F. - Toward new production achievements. p. 11.
TSatska, E. M., Gerasimov, V. S., Makarova, G. A. - Using high-pressure centrifugal ventilator for the purification of gas. p. 12.
Mikheev, K. P. - Increase the selection of wood chemistry products. p. 15.
Savinykh, A. G., Ivanova, M. A. - Improvement in the removal of neutralized fraction from slime. p. 17.
Bedenko, V. F. - Protective clothing for tappers. p. 18.
Kim, I. N. - Electromechanical device for closing charging holes. p. 19.
Efimov, S. I. - Improved system for yeast production. p. 20.
Shatunova, G. N. - New technology for growing fodder yeasts. p. 21.
Bel'kova, E. A. - Improvement in the technique of washing containers for carbon dioxide. p. 23.
Amozov, A. F. - Prospects for the development of the wood chemistry industry in Karelia. p. 24.
Kozlov, A. I., Tochinova, V. G. - Economic effectiveness of the new method for manufacturing crystalline glucose. p. 25.
New books on unified work norms and wages. p. 26.
Zheltukhin, D. V. - A book on the Riga method of hydrolysis. p. 27.
Thirty-third session of the Scientific Council of the Central Wood-Chemical Scientific Research Institute. p. 27.
Lozhikova, K. V. - First interfactory school for the exchange of experience in the fodder yeast industry. p. 29.
A new special scientific council. p. 30.
Index to articles published in "Gidroliznaia i lesokhimicheskaia promyshlennost'" in 1961. p. 31.

Vol 16, no. 7, 1963.

Table of contents translated

Gorchenkov, S. G. - Improve the work of the Scientific and Technical Society by all possible means. p. 1
Andreev, A. A. - Eliminate the shortcomings in the organization of new yeast plants. p. 3.
Khol'kin, IU. I., Cherniaeva, G. N. - Methods for increasing the commercial stability of furfurole. p. 6.
Kosiukova, L. V., Vodzinskii, IU. V., Shaposhnikov, IU. K. - Chromatographic analysis of higher fatty acids in wood chemical products. p. 9.
Bodiu, V. I., Fel'dman, IA. S. - Pulsed polarographic analysis for determining furfurole in sewage waters p. 11.
Beliaevskii, I. A., Tokarev, V. A. - Improving the flotation method for yeast separation from the still beer p. 11.
Lazareva, N. K., Zav'ialov, A. N. - Causes of the unstable acidity of butyl acetate and their elimination p. 17.
Mel'nikov, N. P., and others. - Continuous neutralization of furfurole-containing vapors. p. 20.
Demin, A. G. - Yeast evaporation in vacuum evaporating apparatus. p. 24.
Medovaia, A. S. - Improving ion exchange filters. p. 25.
Kulomzin, IU. M. - Economic efficiency of larch tapping. p. 26.
Koen, I. IA., Kusinin, M. M. - New mechanized extractor for stumpwood chips. p. 27
In the sections of Scientific Councils. p 28
Reorganization of the Moscow Branch of the State Scientific Research Institute of the Hydrolysis and Sulfite Alcohol Industry p 29
Results of the contest for the best scientific and technical paper. p. 30.
Andreeva, O. A., Kulygin, M. F. - Unit for the rectification of tall oil. p. 31

[KAUCHUK I REZINA [CRUDE AND VULCANIZED RUBBER] Organ of Gosudarstvennyi komitet po khimii pri Gosplane SSSR and Vsesoiuznoe khimicheskoe obshchestvo imeni D. I. Mendeleeva [State Committee for Chemistry, Attached to the State Planning Committee of the U. S. S. R., and the D. I. Mendeleev All-Union Chemical Society]. Moscow, vol 22, no 9, Sep. 1963.

Table of contents translated:

Dolgoplosk, S. B., and others. - Some properties of rubbers made from siloxane polymers containing arylene links in the principal chain. p. 1.
IUkel'son, I. I., and others. - Investigating polyarylene alkyls as ingredients of a rubber compound. p. 2.
Ronkin, G. M., Levitin, I. A. - Minimum unsaturation of butyl rubber for heat-resistant rubbers. p. 4.
Khromov, M. K., Lazareva, K. N., Reznikovskii, M. M. - Effect of oxygen content of the environment on the fatigue life of rubbers. p. 9.
Lukomskaia, A. I. - Adhesion and friction characteristics of unvulcanized rubber compounds. p. 13.
Goppe, A. P., and others. - Changes occurring in some electric properties of rubber during its swelling in the solvents. p. 17.
Dobrushkin, D. P., Ekel', E. S., Orlov, Z. D. - Studying the conditions of the forcing of the vulcanized rubber packing through the gap. p. 19.
Poluraev, V. N. - Determining the dynamics parameters of rubber shock absorbers p 24.
Labutin, A. L., Fedorova, N. S. - Rubber coating by means of flame spraying with thiokol. p. 27.
Konnov, I. N. - Some results of the service testing of conveyor belts made from capron fabrics. p. 31.
Surovikin, V. F. - Kinetics of the formation of carbon black during the turbulent burning of liquid hydrocarbons. p. 34.
Kozyreva, Z. M., Nagdaseva, I. P., Brovkina, N. A. - Studying the properties of some types of cord fabrics during one-time and repeated stretching. p. 38.
Skorodumova, Z. V., Fel'dshtein, M. S. - Molecular sieves and their use in the production of rubber goods. p. 41.
Breslet, V. E., Markova, Z. A. - Use of cis-1,4 butadiene rubber for tread rubbers. p. 47.
Freidgeim, L. I., Slonimskii, A. D. - Modernization of the unit for the manufacture of the inner tubes of automobiles tires. p. 49.
Voshchakina, A. F., Zhgun, L. P. - Design and manufacture technology of the pneumatic rubber hose bracing system for the collapsible tire building drum of the MSPD tire assembly machine. p. 53.
Irger, L. M. - Attachment to the lengthwise cutting machine for the knurling of rubber mill rollers with automatic dividing mechanism. p. 54.
Dashevskii, I. - Pledges made by the collectives of Dnepropetrovsk Tire Plant in response to the initiative of the Yaroslavl enterprises. p. 56.
Novikov, K. T. - Scientific and Technical conferences on tires. p. 56.
New developments in foreign science and technology. p. 59.
Baranovich, V. A. - New foreign books on chemistry and rubber. p. 64.

Vol. 22, no. 10, Oct. 1963.

Table of contents translated:

Mironova, N. M., and others. - Synthesis of butyl and methyl methacrylate copolymers and the basic properties of sulfurous vulcanizates made on their base. p. 1.
Borisov, S. N. - Properties of siloxane elastomers containing Si-H bonds. p. 5.
Zakharov, N. D., Podeiukhina, V. M. - Structure and properties of vulcanizates made from chlorinated polyethylene. p. 9.
Tarasova, Z. N., Klipichnikov, G. A., Isakova, L. F. - Action of alkyl aryl phosphites as antiflexing agents of the butadiene-styrene rubber vulcanizates. p. 14.
Shvarts, A. G., and others. - Some regularities of alkylphenol-formaldehyde resins used in the vulcanization of butyl rubber. p. 17.
Angert, L. G., Khanin, S. D., Kuz'minskii, A. S. - Thermal aging and protection of rubber based on natural caoutchouc. p. 19.
Zuev, IU. S., Borshchevskaia, A. Z. - Method of testing stressed rubber in aggressive media. p. 23.
Pechkovskaia, K. A., and others. - Effect of carbon black on the wear resistance of vulcanizates. p. 27.
Shullak, Z. N., Krasukhina, M. M., Simkina, IU. M. - Characteristics of the geometric parameters of the surface of various samples of silicon dioxide. p. 31.
Bukhin, B. L. - Design of the equilibrium configuration of pneumatic tires taking the elongation of the cord yarn into account. p. 35.
Kharitonov, A. T., Krasnova, N. A., Vinitskii, I. F. - Effect of the shape of the side surface of rubber-and-metal elements on the force characteristics and the compression. p. 38.
Popov, G. G., Shilapina, V. N. - Device for determining the relaxation of stresses in polymers. p. 43.
Karaseva, A. F. - Principal technical and economic results of the work of the industry of Industrial Rubber Products during 1962. p. 45.
Pollak, M. A., and others. - Development of a cord chafer fabrics with a new yarn structure in the manufacture of tires. p. 50.
Chernlak, M. G. - Some problems of work safety in the operation of rollers in the rubber industry. p. 52.
Gulimov, V. N., Martiukhina, I. P. - Determination of iron, manganese and copper admixtures in natural rubbers by the method of spectral analysis of their solutions. p. 54.
Kucherskii, I. M. - Conference of the economic council of the Oka Economic Region on the quality of industrial rubber goods. p. 57.
New developments in foreign science and technology. p. 58.
Baranovich, V. A. - New books on chemistry and rubber published in foreign countries. p. 61.
Sheftel', I. A. - Encyclopedia of "Structural materials." p. 62.

KHIMICHESKAIA PROMYSHLENNOST' [CHEMICAL INDUSTRIES]. Organ of Gosudarstvennyi komitet po khimicheskoi i neftianoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical and Petroleum Industry, Attached to the State Planning Committee of the U. S. S. R.] Moscow, no. 7, July 1963

Table of contents translated:

Sidorov, V. A. - Production and possible methods of processing cymenes. p. 481.
Spasskaia, R. I., Kazarnovskii, S. N. - Continuous method of producing guanidine from urea. p. 485.
Romanovskii, V. I., Sokolova, A. I., Tat'iankina, N. I. - Synthesis of N-methyl-α-pyrrolidone from succinic acid. p. 491.
Kim Khon Sil, Zimin, A. V., Sharpatyi, V. A. - Formation-chemical synthesis of ethylene glycol and formaldehyde from methanol. p. 492.
Ermakov, IU. I., and others - Polymerization of propylene on a chromia catalyst without a solvent. p. 495.
Arkhipova, L. V., and others - Use of hexachlorobutadiene for combating "blooming" of industrial rubber. p. 498.
Sedol'nikov, G. S. - Production of mineral salts from Kara-Bogaz-Gola brines. p. 501.
Zhivaikin, L. IA., and others - Effect of the concentration of monohydrate on the degree of absorption of sulfur trioxide. p. 505.
Byk, S. Sh., Serebrennaia, I. I., Shcherbakova, P. P. - Isothermal equilibrium liquid - vapor in the system water - acetaldehyde. p. 507.
Shakhova, S. F., Braude, G. E. - Solubility in the systems liquid ammonia - acetylenic hydrocarbons at low temperatures. p. 510.

Slobokhotova, T.A., Balandin, A.A., and TSia-tun [Yü Chia-yung] - Thermodynamics of the reaction of demethylation of toluene and cresols with water vapor. p. 513.
Bozlovskii, A.I., Brandt, B.B. - Maximum explosion-proof concentration of oxygen in mixtures with fuel gases. p. 518.
Belkin, E.A., and others - Methods for the optimal design of the coil of a pyrolysis furnace. p. 519.
Fillik, E.D., Rychkov, A.I. - Study of heat transfer during evaporation of solutions of urea in a wetted-wall evaporator of the rotary type. p. 527.
Aerov, M.E., Nikitina, N.I., Razumov, I.M. - Determination of the heat fields in reactors by the method of electrothermal analogy. p. 531.
Fraenkin, A.G., and others - Calculation of the hydraulics and mass transfer on a "Uniflux" tray. p. 534.
Cherkov, B.A. - Mass transfer coefficients during absorption of sulfur dioxide from gases by solutions of magnesium sulfite-magnesium bisulfite. p. 537.
Zemel'man, V.B. - Control of temperatures in the reaction zone of a rotating furnace. p. 541.
Dlachkov, V.K. - Vibrating conveyors for intrashop transportation of phosphate raw materials. p. 545.
Ramodanov, B.I., Arnautov, B.A., Magur, M.E. - Improvement of the methods of mining at the Stebnik extracting center. p. 549.
Brief news. p. 71.
Reviews and bibliography. p. 553.

KHIMICHESKOE MASHINOSTROENIE [CHEMICAL MACHINERY MANUFACTURE] Organ of Gosudarstvennyi komitet khimicheskogo i neftianogo mashinostroeniia pri Gosplane SSSR [State Committee of the Chemical and Petroleum Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, no. 3, May-June 1963.

Table of contents translated
Mazo, M.D. - Improvement of the quality of chemical equipment must be the primary objective of mechanical engineers. p. 1.
Ul'ianov, N.N., Shporkhun, V.I - Distributing device for the refluxing of packed columns. p. 3.
Peshti, IU.V. - Rotary compressors and vacuum pumps with asbestos-base textolite blades. p. 4.
Ivanko, A.L. - Batch-type laboratory mixers. p. 7.
Zak, M.S., Leitcrovich, G.IA., Gel'perin, N.I. - Study of a cold model of a double-chamber reactor for roasting in a fluidized bed. p. 8
Keresteshi, Shandor. - Starting power for mechanical mixers. p. 12.
Shchupak, V.A., Kogan, IU.S., Aleksandrov, I.A. - Comparative hydrodynamic tests of plates of various designs. p. 15.
Krjastin, A.S. - Heat exchange in mixers operating with viscous liquids. p. 17.
Frid'mund, M.I. - Effect of pressure on the operating efficiency and entrainment of particles in fluid-bed reactors. p. 22.
Khelfets, I.Kh., Rudov, V.B., Modestov, B.S. - Method of designing the flanged joints of high-pressure pipelines with lenticular laying. p. 25.
Vlasov, P.V., Kopylov, V.T. - Testing and introduction of pipes made of glass plastics. p. 28.
Asvilin, M.B. - Effect of hydrogen on stressed and deformed steel at room temperature. p. 30.
Ilchetskii, D.G. - Investigating the finishing processes of friction pairs of end packings. p. 32.
Vainer, I.M., Belov, V.V. - New methods of the lead plating of chemical apparatus. p. 35.
Smirnova, N.M., Bessonova, T.A. - Methods of the spectral analysis of nickel-base alloys. p. 36.
Zatolovskii, A.N., Greboniuk, V.R. - Improving the design of end bearings for vertical shafts. p. 38.
Grigor'ev, V.M., Bogoliubov, K.S. - Use of rotary vacuum pumps with a liquid plunger for the evacuation of water-air mixtures. p. 39.
Shekhtman, A.G. - Hardening of large pinion gears by high-frequency currents. p. 30.
Malykhov, M.P. - Using special thread gauges in manufacturing zinc plated fastenings. p. 40.
Trakhtenberg, B.L. - Automatic rubberized centrifuges. p. 41.
Gerasimenko, L.P., Kebenko, A.S. - Continuous automated production line for film and sheet vinyl plastics. p. 42.
Balykin, E.A. - Silicon-aluminum refractory material replacing metal. p. 43.
Umanskii, N.A., Polishchuk, V.V. - Aerodynamic attachment to a wool carder. p. 43.
New machines, apparatus, and instruments. p. 45.
Bibliography. p. 48.

KHIMIIA I TEKHNOLOGIIA POLIMEROV, sbornik perevodov i obzorov iz inostrannoi periodicheskoi literatury [THE CHEMISTRY AND TECHNOLOGY OF POLYMERS, Translations and Surveys from Foreign Periodical Literature]. Moscow, vol. 7, nos. 9-11, 1963.

KHIMIIA I TEKHNOLOGIIA TOPLIV I MASEL [CHEMISTRY AND TECHNOLOGY OF FUEL AND OIL] Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R.] and others Moscow, vol 8, no 9, Sep 1963

Table of contents translated.
Zel'kind, E.M. - Means for increasing the capacity of petroleum refineries. p. 1.
Belugin, V.F., Planovskii, A.N. - Reduction of a multicomponent mixture to a pseudobinary one taking the reflux-to-product ration into account. p. 6.
Gorlov, V.F., Skoblo, A.I. - Properties of a fluidized bed of coke in combustion. p. 11.
Gel'perin, N.I., Ainshtein, V.G., Romanova, N.A. - Method of determining the hydraulic resistance of a fluidized bed. p. 16.
Adel'son, S.V., Zaitova, A.IA. - Effect of the granulometric composition of catalyst on its regeneration rate. p. 20.
Zavidov, V.I., Fedorova, Z.V., Shapchenko, N.I. - Investigating the low-sulfur extract oils and the product of their thermal cracking. p. 23.
Belov, P.S., Ianguliants, V.I. - Alkylation of phenol by a butane-butylene fraction in a flow in the presence of the KU-2 cation exchanger. p. 26.
Kalantar, N.G., Glazunov, V.I., Mannafova, V.S. - Composition and properties of turbine distillates from Tuymazy crudes. p. 31.
Uvarova, E.I. - Analytical investigations of tungsten catalysts of hydrogenation. p. 39.
Shekhter, IU.N., Khoroshilova, L.D. - Motor oils and preservative oils. p. 42.
Basov, A.N., and others - Differentiation of industrial wholesale prices of motor fuels. p. 46.
Sitenkov, V.T. - Determination of the critical velocity of solid particles in horizontal pneumatic pipelines. p. 51.
Balburskii, L.A., Manovian, A.K. - Operation of the stripping sections of complex columns. p. 55.
Firsanova, E.N., Arabian, S.G., Ozhogina, M.M. - Effect of the alkalinity of oils with additives on engine wear. p. 59.
Papok, K.K., Zuseva, D.S. - Chemical composition of lacquer deposits. p. 64.
Heteroorganic compounds and thermal stability of jet fuels. p. 66.
Valuable contribution to the scientific and technical literature on petroleum coke. p. 67.

Vol. 6, no. 10, Oct. 1963.

Table of contents translated:
Popov, V.V., Popova, L.M. - Optimal reflux-to-product ratio during rectification. p. 1.
Kavetskii, G.D., Akopian, L.A. - Effect of the design of a gas distribution device on the concentration of the solid phase in a packed column. p. 4.
Kondrat'ev, A.A. - Characteristics of the process of batch-type extraction. p. 6.
Golovanenko, B.I., Sharipov, A.Kh., Ivanova, N.V. - Production of phthalic anhydride by oxidation of the extract of a low-viscosity oil distillate. p. 9.
Toleshova, M.N., Vasil'eva, A.A., Somkin, V.I. - Individual composition of gasoline from crude oil of the Novo-Elkhovsk field of the Tatar A.S.S.R. p. 14.
Kuliev, R.Sh., and others. - Improving the quality of transformer oil from Buzovna crude oil. p. 16.
Fialko, M.M., Dintses, A.I. - Study of inorganic salts with the purpose of using them as high-temperature lubricants. p. 22.
Bereza, A.I., Alekseev, V.V., Andreev, V.M. - Operation of settling basins at the Saratov Refinery. p. 27.
Terent'ev, G.A., Sabadash, IU.S. - Certain problems of the economics of the production of automobile gasolines. p. 29.
Abdullin, R.A. - Important source for the increase of the production of ceresin and paraffin. p. 34.
Vigdergauz, M.S. - On the method of designing tube furnaces for petroleum refineries. p. 38.
Ginzburg, M.IA. - Problem of optimization of the control of petroleum refining processes. p. 42.
Rubinshtein, I.A., Sobolev, E.P., Rezvina, S.A. - Effect of organosulfur compounds on the process of deposit formation in diesel fuels. p. 48.
Papok, K.K., Puchkov, N.G., Ramaia, K.S. - Complex laboratory methods of testing oils based on various property indices. p. 53.
Kudriavtseva, N.A., Tarasov, A.I., Snchipanova, A.I. - Quantity of liquid petrolatum during modification with tripoli from the Zikeev Mine for chromatographic separation of hydrocarbons. p. 59.
Makarov, P.T., Pershina, K.E. - Volumetric method for the determination of zinc in zinc dialkyl dithiophosphate. p. 62.
Namotkin, N.S., Papok, K.K. - Sixth World Petroleum Congress. p. 64.
Useful and necessary books. p. 67.

KHOLODIL'NAIA TEKHNIKA [REFRIGERATION ENGINEERING] Issued by Vsesoiuznyi nauchno-issledovatel'skii institut kholodil'noi promyshlennosti [All-Union Scientific Research Institute of the Refrigeration Industry] Moscow, vol. 40, no 5, Sep -Oct 1963.

Table of contents translated:
Sheffer, A. P. Present state and prospects of the development of refrigeration in Kazakhstan. p. 1.
Gindlin, I.M. - New cold storage distribution warehouses of the Kazakhstan S.S.R. p. 4.
IAkobson, V.B. - Investigating the thermal system of refrigerating machines with a hermetic compressor. p. 7.
Shavra, V.M. - Efficiency of the regenerative cycle in small Freon refrigerating machines. p. 14.
Uzhanskii, V.S. - Designing the optimum stage control system for a refrigerating plant. p. 18.
Mel'tser, L.Z., and others. - Experimental study of a two-stage compressor with a 1:1 ratio of the stage volumes. p. 23.
Lemeshko, V.K. - Pressure pickup indicating device for ammonia compressors. p. 28.
Bogdanov, S.N. - Investigating the heat exchange during the boiling of Freon 12 inside a horizontal pipe. p. 31.
Filatkin, V.N. - Cooling and heating of a layer of gravel. p. 36.
Pimenova, T.F. - Production of pure carbon dioxide for welding purposes. p. 39.
Popov, A.D., Eremeev, IU.A. - Experimental automated cold storage warehouses built with vibrocast panels. p. 43.
Derbinova, E.S. - Improving the sanitary conditions in the production of ice cream. p. 45.
Alekseev, P.A., Livshits, S.A. - Storage of chilled meat in graded cuts. p. 47.
Saukaev, V.V. - Ammonia service stations. p. 51.
Kutanin, V.M., Litvinov, I.V. - Testing the performance of the ESU-1 liquid level indicator p 53
Artemenko, V.I. - Replacement of valves in the compressors. p. 54.
Kucherov, A.S. - Use of epoxy resins in condenser repairing. p. 55.
Kucherov, A.S. - Substituting Freon 22 for Freon 12. p. 55.
Krapovitskii, E.G. - Cutter head for making holes in collectors. p. 56.
Alekseev, V.I., Raikhlin, V.A. - Adjustment of the "Amur" machine. p. 57.
Seminar of the Refrigeration Section of the Scientific and Technical Society of the Food Industry in Alma-Ata. p. 60.
Seminar of the workers of the fish industry in Balkhash. p. 61.
Readers' conference on the Encyclopedia-Handbook "Refrigerating Engineering." p. 62.
Coordination conference on the manufacture of refrigerating machines. p. 63.
Conference on the improvement of the index of the volume planning and costs of production of the technical shops of cold storage distribution warehouses. p. 65.
Dezent, G.M. - Air conditioning in universal cold storage warehouses. p. 67.
Badyl'kes, I.S. - Thermodynamic properties of Freon 14. p. 70.
Vainshtein, V.D. - Diagram l, lg, p for Freon 13. p. 74.

KIEV. UKRAINSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT SPIRTOVOI I LIKERO-VODOCHNOI PROMYSHLENNOSTI. Trudy [UKRAINIAN SCIENTIFIC RESEARCH INSTITUTE OF THE DISTILLING AND LIQUEUR AND VODKA INDUSTRY. Transactions]. No. 5, 1959.

Table of contents translated:
Ashkinuzi, Z.K., Diazhner, T.M., Kochkina, L.V. - Dependence of alcohol yield on the hold time in the continuous method of boiling to pulp of crushed rye grains. p. 3.
Zabrodskii, A.G., Smirnov, N.K. - More about the effect of the amount of water and of its automatic proportioning in the boiling to pulp of raw materials. p. 13.
Rabinovich, B.D. - Investigating the performance of a vibratory screening machine. p. 21.
Polozhishnik, A.F., Zabrodskii, A.G. - Oil extraction from corn kernels in the distilling industry. p. 35.
Zolotarev, S.M. - Technological flow sheet for the processing of corn kernels with germ separation. p. 49.
Zabrodskii, A.G., Polozhishnik, A.F. - Biochemical and technological characteristics of germinated grain. p. 63.
Zabrodskii, A.G., and others. - Processing of the grains of the "Krasnoe Kubanskoe" variety of sorghum for alcohol manufacture. p. 71.
Malchenko, A.L. - Efficient flow sheet for the processing of molasses in the distilling industry. p. 77.
Mamunia, A.U., Pshevorskaia, V IA. - Automation of the basic processes of the diluting shops. p. 89.

Rats, Z. A., Bazilevich, K. K. - Methods for determining sugar content and alcohol yield of defective molasses p 101
Mamunts, A. U. - Taking of representative samples of molasses p 113.
Visnevskaia, G. L., Egorov, A. G., Sokol'skaia, E. V. - Studying the process of purification in a three-column beer rectifying apparatus p 123
Stabnikov, V. N., and others. - Composition of the ether-aldehyde fraction p. 139
Egorov, A. S., Visnevskaia, G. L., Sokol'skaia, E. V. - Nitrogen compounds in the products of alcohol rectification p 147
Gol'dfarb, R. L., Koval', V. G. - Determining of invert sugar in molasses p 153.
Gol'dfarb, R. I., Danilenko, P. L., Koval', V. G. - Biochemical method for determining fermentable sugar in molasses p. 161.
Zabrodskii, A. G., Vitkovskaia, V. A. - Changes occurring in glucose under the action of aliphatic alcohols p 175
Egorov, A. S., and others. - Improving the design of ionometers. p. 189.
Kozlova, D. A. - Sensitive sulfurous fuchsin reagent for the determining of acetaldehyde. p. 197
Evtsev, V. IA., Ashkinazi, Z. K. - First experiment in the production of Soviet whiskey p 203.
Nastenko, P. N., Danilko, G. V. - Centrifugal BN-100 machines for covering surface silos. p. 215
Nastenko, P. N. - Mechanization of potato harvesting. p 221.

* KOKS I KHIMIIA [COKE AND CHEMISTRY] Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U. S. S. R.], and others Moscow, no 10, 1963

Table of contents translated

Emel'ianov, D.S., Khvan, V.I., Preobrazhenskii, B. P. - Automatic discharge of the heavy fractions from settling machines. p. 3.
Semenov, I.A., Medvedev, A.V., Sol'var, A.V. - Automation of the process of coal slurry flotation. p. 6.
Sitalo, V.M., and others. - Automation of the pyramid-shaped thickener. p. 13.
Levchenko, I.I. - Automatic regulation of the discharge of the thickened sludge from pyramid-shaped thickeners. p. 17.
Kaftan, S.I. - Hydraulic system of coke ovens. p. 20.
Ivanov, E.B. - In connection with the article "Concerning the hydraulic system of coke ovens." p. 29.
Borodikhin, A.P., Kurbatov, IU.L., Lukomskaia, N.O. - Studying gas dynamics in the heating system of the large-capacity type PVR coke ovens. p. 31.
Radilovskii, A.A. - Possibility of gas admission from three coke oven batteries to one saturator. p. 35.
Koptev, G.P., Sorkin, M.M. - Improvements in the design of saturators. p. 37.
TSvetkov, O.N., and others. - Coal chemical cresols as raw material for the production of surface-active substances. p. 40.
IAnysheva, N.IA., Fedorenko, Z.P., Kostovetskii, IA.I. - Content of 3,4 bezpyrene in the waste waters of coke and coal chemicals industries. p. 44.
Chen, N.G., Gol'dshtein, B.I., Ionina, M.A. - Studying the anticorrosive and antiscale properties of phenol waters of the Yenakiyevo Coke and Coal Chemicals Plant. p. 46.
Vladimirov, L.P., and others. - Corrosion and erosion resistance of VT-1 titanium alloys in multicomponent agressive media. p. 49.
Azimov, A.A., and others. - Studying the travel mechanism of the door extractor [illegible] 8
e

Butovich, A.A. - New bucket type blancher. p. 3.
Bobko, E.V. - Experience in the use of the "Belarus'" SP-57 machine for washing glass jars. p. 5.
Golkhman, F.V., Shevchuk, A.S. - Canned food for children over 1 5 years old. p. 7.
Moldovich, M.S., and others. - Optimum conditions for the preservation of green peas in refrigeration chambers till their processing in plants. p. 10.
Prokof'eva, A.M., Mikhailovskaia, E.I. - Quality of dehydrated milk mixes obtained by various technological methods. p. 12.
Kozhanova, N.I. - Preservation of local grape varieties in the Rostov Province. p. 15.
Cherevatenko, V.A. - Coppice plantations of bay laurel. p. 16.
Koval'skaia, L.P. - Factors affecting the storage time and quality of fresh fruit berries and vegetables treated with gamma-rays. p. 22.
Pukhal'skii, I.M. - Economic efficiency of the various preservation methods for the preservation of potatoes, cabbage and salted cucumbers. p. 27.
Orlov, S.A. - Improve the economic justification in the building of new canning plants. p. 29.
Fan-IUng(Fang-Yung), A.F., Soloid, M.E. - Development of objective methods for determining the clearness of clarified fruit juices. p. 31.
Lipis, B.V., Timofeeva, O.A., Shchelokova, I.M. - Objective methods for determining the coloring of tomato paste. p. 33.
Vladimirov, B., Popova, D. - Selecting the best varieties of tomatoes for the preparation of juices. p 36
Zaichik, TS.R. - Effect of the changes in temperature and moisture on weight losses of fruit in storage. p. 38.
Samsonova, A.N. - Is it permissible to manufacture mixed apple-tomato paste? p. 39.
Pamphlet and study plan for correspondence courses for the members of the Scientific and Technical Society of Engineers and Technical Workers, of production innovators and foremost workers of the canning industry. p. 10.
Uvarova, T.V. - Awards for the participation in the Exhibition of Achievements of the National Economy of the U.S.S.R. p. 42.
Reorganization of the work of the Exhibition of Achievements of the National Economy of the U.S.S.R. p. 43.
Suslov, I.A. - Conference of the readers of "Konservnaia i ovoshchesushil'naia promyshlennost'" journal in Ternopol'. p. 41.
From pages of newspapers. p. 46.

LAKOKRASOCHNYE MATERIALY I IKH PRIMENENIE [LACQUER AND PAINT MATERIALS AND THEIR USE] Organ of Gosudarstvennyi komitet khimicheskoi i neftianoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical and Petroleum Industry, Attached to the State Planning Committee of the U.S.S.R.] Moscow, no. 4, 1962.

Table of contents translated:

Belovitskii, A.A., Serb-Serbin, P.V., Gershman, D.IA. - All-Union conference on pigments for the paint industry. p. 1.
Sorokin, M.F., Kochnova, Z.A. - Polymers of glycide ethers Report No. 4 Obtaining polymers of alkyl glycide ethers in the presence of basic catalysts p. 6
Sorokin, M.F., Shode, L.G., Mikhailova, L.S. - Polymers of glycide ethers. Report No. 5: Obtaining polymers of aryl glycide ethers in the presence of basic catalysts. p 10.
Bagazhkov, S.G., Arkhipov, M.I. - Kinetics of the reaction of n-tert-butylphenol with formaldehyde in the alkali medium. p. 14
IUkhnovskii, G.L., Volostiuk, V.M. - Effect of some factors on the composition of the products of oil alcoholysis. p 16,
, S.V., Maslennikova, N.L. - Investigating sion of paint coatings under aging condi- 0.
V.S., IAkovlev, A.D., Kuznetsova, K.B. - and coatings based on sulfochlorinated p. 25.
'.A., and others. - Effect of the of titanium dioxide on the rheological thixotropic enamel paints. p. 30.
V. - Studying the reaction of the tion of styrene with linolic acid. p. 33.
Shikanov, A.N., TSiurupa, N.N. - the wettability of pigments by the ermining the rate of their impregnation il. p. 35.
- Stability of titanium dioxide nuclei l from titanium tetrachloride. p. 38
, Finkel'shtein, M.I. - Protective enting paraffin deposition on the ces of petroleum pipes. p. 40,
- New compositions of skidproof iver boats. p. 44.
Inozemtsev, G.B. - Methods for it concentration in the atomizing jet g in an electric field. p. 46.
., and others. - Using the PE-220 uer for finishing wooden articles.
Bogatyrev, P.M., Naviazhskaia, I.V., V.S. - Photocolorimetric determining of quantities of phenol in diphenylol pro
Naviazhskaia, E.A., Sporykhina, V.S. metric method for determining aluminu in titanium dioxide. p 52
Kozulin, N.A. - Defects of muffle furnace production of zinc oxide and methods elimination. p 55
Korablev, N.M., Voroshilova, N.M., E.L. - Dispersion of paint pigments by means of ultrasonic waves p
Solienko, V.O., Beliavskii, V.I., B.P. - Selecting nonmetallic grinding the ball mills used in the manufacture p 59
Borisenko, S.I. - Production line with pusher-bar conveyor for the prepa and drying of small parts p
Malevannyi, V.A., Permiakova, V.I., the storage conditions of zinc oxide composition p. 68.
Answering queries on the application of als. p. 69.
Livshits, M.I. - Standards for the paint adopted from 1959 to 1961. p. 72
Belovitskii, A.A. - Development of the of new pigments p. 76.
Livshits, B.R. - Sulfur-containing polymers possibility of their utilization as film agents, brief literary review. p
Literature on paint materials and their p. 86.
Second scientific and technical conference young specialists of the State Design and Scientific Research Institute of the Industry. p. 88.

No. 5, 1963.

Table of contents translated

Koposov, I.M. - One hundred and twenty-fifth anniversary of the "Pobeda rabochikh" Paint in Yaroslavl. p 1.
Lyumov, V.N., Koposova, T.I. - Synthesis of resins modified by monobasic acids
Terlo, G.IA., and others - Selecting titles for antifouling paints with long active
Sorokin, M.F., Mikhailova, L.S. - Polymers of aryl glycidol esters in the presence of halides. p. 10.
Bocharova, A.M., Gol'dfarb, L.I. - base of organic dispersions of polyvinyl p. 15.
IUkhnovskii, G.L., Volostiuk, V.M. - alkyd resins with the method of p p. 18.
IAkubovich, S.V., and others - Studying the chemical destruction of the films of alkyd-melamine resins with the method of spectroscopy. p. 21
Lokakh, N.D., Galinker, I.S. - Nitrate fate solutions. p 24
Rassudova, N.S., Strel'tsov, I.S., Alekseeva, N.A. - Studying the transformations during the synthesis of nickel metallic
IAkubovich, D.S., Sanzharovskii, A.A., Studying the effect of the copper the adhesion to it of polyurethane
Kovalenko, V.M., Nikiforov, I.N. - oil-, fat-, and water-resistant p p. 33.
Negreev, V.F., Gadzhieva, R.G., Selecting the primers and method of ration for the painting of hydraulic ated in seawater. p. 36.
Kovaleva, M.K. - Use of organic coatings tection of the inner drums of laundry chines. p. 40.
Lykov, M.V. - Use of gasoline-resistant anticorrosive protection of the inner welded metal barrels. p. 42.
Dolmatov, IU.D. - Stabilization of TiO_2 in sedimentation analysis. p. 45.
Kashevarova, IU.A., Vanushkina, V.I. method for quantitative determining the none in polyester acrylates. p. 47.
Malevannyi, V.A. - Complexometric determination in iron-containing pigments. p. 48
Gorelik, D.S., Kazakova, O.A. - Method mining metallic zinc in zinc oxide p tating furnaces. p. 50.
Kotliarskii, L.B., and others - Applicat sonic waves in the manufacture of paint p. 51.
Ermilov, O.I., and others - Physicochemi for the intensification of iron oxide ball mills. p. 57.
Bobkov, L.S. - Equipment for spray pain electric field manufactured in the Hungarian People's Republic. p. 62.
Mikhailov, V.A., and others - Intensifi grinding of pigments in binders. p 64.
Megalinskii, E.I. - Mechanized continuous line for the priming of steel castings with primer. p. 65.

Il'in, A.P. - Experience in substituting paint coatings for the paper masks used in the group soldering of printed circuits. p. 67.

Sorokin, E.D., Shapiro, L.V. - Experience in the varnishing of wooden parts with preheated NTs-315M varnish. p. 68.

Ryndenko, V.N. - Machine for drying oil treatment and priming of veneer. p. 68.

Zaitseva, K.I., Fromberg, M.B., Kholodovskaia, R.S. - Possibility of using bitumen solutions for the manufacture of black lacquers. p. 69.

Kresova, A.S. - Answering queries on the application of paint materials. p. 70.

Standards and specifications. p. 71.

Foreign science and technology. p. 81.

News review. p. 87.

NEFTEKHIMIIA [PETROCHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, vol. 1, no. 3, May-June 1961.

Table of contents translated:

Shimanko, N.A., Poklovskaia, E.S., Sidorenko, V.I. - Synthesis and ultraviolet absorption spectra of decylxylenes, decylmesitylene, and cyclopentyldecyl-p-xylene. p. 297.

Shimanko, N.A., Petrov, Al.A. - Ultraviolet absorption spectra of some C_{32} phenyl-, naphthyl- and dinaphthylalkanes. p. 305.

Teterina, M.P., Petrov, Al.A. - Infrared absorption spectra of mixed high-molecular hydrocarbons. Report No. 1: Spectra of C_{24} mono-, di- and tricyclohexylalkanes. p. 309.

Kusakov, M.M., and others. - Investigation of the oscillation spectra of hydrocarbons of the 1,1-diphenylethane series. p. 317.

Litskevich, N.I. - Melting points, heats of melting and cryoscopic constants of some hydrocarbons and other organic compounds. p. 329.

Karaulova, E.N., Gal'pern, G.D. - Separation of sulfoxides from oxidized sulfur-containing aromatic concentrates. p. 335.

Karaulova, E.N., Smirnov, B.A., Gal'pern, G.D. - Investigation of sulfides from the kerosene of the Romashkino oil field. p. 339.

Filatova, M.A., Nekrasova, R.P., Ben'kovskii, V.G. - Organic chlorides in petroleum fractions. p. 350.

Shokova, E.A., Khromov, S.I., Kazanskii, B.A. - Catalytic method for preparing cis-bicyclo-(0, 3, 3)-octane. p. 353.

Minachev, Kh.M., Markov, M.A., Loginov, G.A. - Conversions of five- and six-membered cyclenes on rare-earth oxides. p. 356.

Petrov, A.D., and others. - Alkylation of benzene with 2-cyclohexylcyclohexanol in the presence of $AlCl_3$. p. 362.

Brodskii, A.M., and others. - Radiation thermal conversions of petroleum fractions. p. 370.

Mukhina, T.N., Pavlova, V.B. - Refined low-octane gasolines as raw material for the production of lower olefins. p. 382.

Barabanov, N.I., Mukhina, T.N. - Pyrolysis of ethane-propane mixtures. p. 386.

Rapoport, I.B., Ulanova, M.F. - Composition of high-molecular carbonyl compounds (ketones) obtained by the synthesis from CO and H_2 on an iron-copper catalyst. p. 393.

Klinger, G.A., and others. - Method for analyzing products obtained by the interaction of aliphatic alcohols with ammonia in the presence of hydrogen. p. 397.

Kagan, Iu.B., and others. - Reaction between octyl alcohols and ammonia under the hydrogen pressure on a fused iron catalyst. p. 403.

Kamzolkin, V.V., Bashkirov, A.N., Lodzik, S.A. - Possibilities for obtaining higher glycols by liquid-phase oxidation of paraffin hydrocarbons. p. 411.

Aleinikov, N.A., and others. - Surface-active properties of branched aliphatic acids. p. 416.

Vinogradov, G.V., Lian Go-ling [Liang Kuo-ling], Pavlovskaia, N.T. - Effect of pro- and antioxidants on the lubricating action of mineral oils. p. 427.

Vinogradov, G.V., and others. - Peculiarities of the joint action of air (molecular oxygen) and thio-, phosphorus- and chloroorganic compounds as additives to mineral oils of different viscosities. p. 433.

Plate, A.F. - Review of Al.A. Petrov's book "Catalytic isomerization of hydrocarbons." p. 444.

Vol. 1, no. 4, July-Aug. 1961.

Table of contents translated:

Smirnov, B.A. - Some algebraic relations in chemistry. System of equations for the balance of hydrocarbon mixtures and its consequences. p. 449.

Musaev, I.A., and others. - Separation of C_8-C_{14} aromatic hydrocarbons by the gas-liquid chromatography. p. 459.

Volynskii, N.P., Gal'pern, G.D., Smolianinov, V.V. - Obtaining sulfides and sulfoxides by the action of thionyl chloride on mixed organomagnesium compounds. 473.

Minachev, Kh.M., Riashentseva, M.A., Afanas'eva, Iu.A. - Catalytic isomerization of n-hexane. p. 482.

Freidlin, L.Kh., and others. - Effect of the nature of solvent and the amount of Raney nickel catalyst on the orientation of hydrogen addition to transpiperylene. p. 494.

Minachev, Kh.M., Markov, M.A., Shchukina, O.K. - Dehydrogenation of cyclohexane on oxides of rare earth elements. p. 499.

Plate, A.F., Belikova, N.A., Klichenko, S.IA. - Catalytic conversions of 1,4-endomethylenecctahydronaphthalene and 1,4,5,8-diendomethylenedecalin. p. 494.

Dolgopolskii, A.Z., and others. - Homogenous demethylation of toluene. Report No. 2. Experiments with gas cycling. p. 501.

Izmailov, R.I., and others. - Thermocatalytic conversions of hydrocarbons of a petroleum C_6-fraction on Al_2O_3-Pt catalyst. p. 505.

Lavrovskii, K.P., Makarov, D.V., Fish, Iu.L. - Two-stage hydrogenation of commercial benzene in the presence of mixed catalysts. p. 509.

Paushkin, IA.M., Vishniakova, T.P., Smirnov, A.P. - Exothermic catalytic pyrolysis of unsaturated and aromatic hydrocarbons. p. 514.

Poliakova, A.M., and others. - Investigation of the polymerization of some unsaturated cyclic hydrocarbons under pressure. bicyclo-(2, 2, 1)-heptene-2, bicyclo-(2, 2, 1)-heptadiene-2-5 and cycloheptatriene. p. 521.

Bashkirov, A.N., and others. - Synthesis of cyclododecanol by the liquid-phase oxidation of cyclododecane. p. 527.

Berezin, I.V., Bykovchenko, V.G., Meluzova, G.B. - Investigation of the kinetics and mechanism of liquid-phase oxidation of cyclododecane by molecular oxygen. Report No. 1. Quantitative analysis of the mixture of oxidation products for cyclododecanol and cyclododecanone by infrared absorption spectra. p. 535.

Berezin, I.V., and others. - Investigation of the kinetics and mechanism of liquid-phase oxidation of cyclododecane by molecular oxygen. Report No. 2. Kinetics of the accumulation of intermediate products. p. 541.

Freidlin, L.Kh., and others. - Dehydration of primary n-amyl alcohol and the accompanying isomeric conversions of pentenes on a calcium phosphate catalyst. p. 548.

Kagan, Iu.B., and others. - Effect of the molecular weight of alcohol on the process of its amination. p. 555.

Sokolov, V.A., Kolesnikova, L.P. - Separation of alcohols by gas-liquid chromatography. p. 564.

Terent'ev, V.A., Shaburov, M.A., Ivanova, A.N. - Infrared spectral method for determining α-methylstyrene, dimethylphenylcarbinol and isopropylbenzene. p. 567.

Nozhkina, I.A., Berezkin, V.G. - Conference on adsorption and methods of chromatographic analysis. p. 573.

Rozenberg, L.M. - First All-Union Conference on zeolites. p. 575.

Vol. 3, no. 4, July-Aug. 1963.

Table of contents translated:

Science and ideology (results of the June Plenum of the Central Committee of the CPSU). p. 449.

Teterina, M.P., Petrov, Al.A. - C - H stretching vibrations of alkanes, aromatic and phenylcyclane hydrocarbons. p. 451.

Bagrii, E.I., Sanin, P.I., Petrov, Al.A. - Synthesis and properties of C_{28} polycyclic hydrocarbons. p. 456.

Petrov, Al.A., and others. - Synthesis and properties of C_{24} cyclic hydrocarbons. p. 465.

Rozenberg, L.M., and others. - Chromatographic separation of n-alkanes from petroleum fractions on activated carbon. p. 472.

Volynskii, N.P., Gal'pern, G.D., Smolianinov, V.V. - Synthesis of 2-substituted thiacyclohexanes. p. 482.

Bogdanov, M.I. - Calculating equilibria of the dehydrogenation reactions of butane-butene mixtures and of n-butenes to 1,3-butadiene. Part 2. p. 486.

Shulkin, N.I., Tulupova, E.D., Ostapenko, E.G. - Separation of methylcyclopentadiene from the products of catalytic dehydrogenation of methylcyclopentene. p. 494.

Gostunskaia, I.V., and others. - Isomerization of hexenes under conditions of liquid-phase hydrogenation in the presence of palladium black. p. 498.

Kazanskii, B.A., and others. - Isomerization of hexenes in the presence of palladized coal. p. 503.

Plate, A.F., Shcherbakova, O.A. - Isomerization of 1,1-dichloro-2-vinylcyclopropane in the presence of acid catalysts. p. 507.

Gavrilov, B.G., Stepina, L.F. - Redistribution of methyl groups in the interaction of naphthalene with p-xylene and mesitylene on aluminosilicates. p. 511.

Paushkin, IA.M., Akutin, M.S., Nizova, S.A. - Obtaining polyconjugated systems by interaction of α,β-dibromides with calcium oxide. p. 515.

Areshidze, Kh.I., Chivadze, G.O. - Obtaining C_2 - C_4 monomers by pyrolysis of hydrocarbon mixtures isolated from petroleum. p. 518.

Krivoruchko, O.P., and others. - Preparation of acetylenic concentrates from gaseous products obtained in the electrocracking of liquid hydrocarbons by the thermal displacement method. p. 523.

Stepukhovich, A.D., El'terman, L.I., Balakhnin, V.P. - Initiated cracking of propane-butane mixtures. p. 531.

Blumberg, E.A., Malitskii, A.D., Emanuel', N.M. - Effect of solvents on the mechanism underlying liquid-phase oxidation of n-butane. p. 541.

Bondarenko, A.V., and others. - Liquid-phase catalytic oxidation of di-tert-butyltoluene for the purpose of obtaining di-tert-butylbenzoic acid. p. 548.

Denisov, E.T., Kharitonov, V.V. - Kinetic equilibrium concentrations of intermediate products in the oxidation reaction of cyclohexanol. p. 558.

Bykovchenko, V.G., Berezin, I.V. - Kinetics and mechanism of the liquid-phase oxidation of cyclododecane studied by the method of inhibition. p. 565.

Kucher, R.V. - Kinetic regularities of the accumulation of hydroperoxides in oxidation of p-diisopropylbenzene. p. 572.

Karpukhin, O.N., and others. - Sterically hindered phenolphthaleins and the possibility of using them for the study of inhibited oxidation processes. p. 579.

Kitain, S.E., Rubinshtein, I.A., Popova, E.A. - Effect of chemical composition of oils on their stability during oxidation. p. 584.

Bogdanov, G.N., Boldin, A.A. - Influence of the polar effect of substituents on the oxidation inhibiting activity of sterically hindered phenols. p. 594.

Robinzon, E.A., and others. - Use of the oxidation method for determining the structure of aromatic hydrocarbons from petroleum fractions. p. 598.

Komarov, P.N., Barelko, E.V., Proskurnin, M.A. - Oxidation of n-butanol in the liquid phase initiated by Co^{60}-radiation. p. 609.

Spitsyn, Vikt. I., and others. - Radiation-thermal cracking of propane. p. 615.

Mamedova, V.M., Shmulin, A.N., Portianskii, A.E. - Quantitative determination of allene in the propane-propylene fraction by infrared spectrometry. p. 620.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, pishchevaia tekhnologiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Food Technology] Moscow, no. 4(35), 1963.

Table of contents translated

Danchenko, M.B. - Comparative economic efficiency of packaging milk in glass and paper containers. p. 7.

Torzhinskaia, L.R., Romenskii, N.V., Umleva, N.G. - Anatomy and morphology characteristics of wheat grain from the southern regions of the Ukraine. p. 12.

Romenskii, N.V., and others. - Germination and respiration intensity of corn seeds irradiated by Co^{60} gamma rays in an air-dry state. p. 17.

Romenskii, N.V., Torzhinskaia, L.R., Novitskaia, E.I. - Characteristics of Bezenchuk corn early hybrids and varieties. p. 20.

Pisanskii, A.P. - Method for the separation of corn starch as related to its biochemical properties. p. 24.

Nazarov, V.I. - Some problems of the physical and colloidal chemistry of starch. p. 30.

Silina, N.P., Nazarov, V.I. - Experience in the chromatographic study of the aging of starch gels. p. 37.

Kriuk, I.F. - Investigating the fractional composition of the proteins of the intermediate products of wheat milling. p. 40.

Roiter, I.M., Berzina, N.I. - Effect of sodium chloride on the activity of wheat amylases. p. 42.

Roiter, I.M., Berzina, N.I. - Investigating salt concentration in the liquid phase of wheat dough. p. 47.

Neshchadim, A.G. - Effect of temperature on the extraction of oil-containing materials. p. 53.

Nadirov, N.K., Bobrinetskaia, R.V. - Use of acetone in the extraction of soy-bean oil. p. 58.

Kamyshan, M.A., Pavlov, G.M. - Kinetics of the amination of fatty acids by monoethanolamine. p. 61.

Loza, V.M., Platonov, I.B. - Effect of the ascorbic acid on the quality and stability of table wines. p. 65.

Kharin, Iu.S. - Exchange adsorption of tartaric acid anions from a potassium bitartrate solution on the AD-16 anion. p. 69.

Kolotusha, P.V., Mal'tsev, P.M. - Melanoidins concentrate from malt shoots. p. 72.

Zazirnaia, M.V. - Studying the autolysis of precipitation yeasts in beer during the secondary fermentation. p. 76.

Nazarotskaia, A.M., and others. - Efficient utilization of hops in the brewing industry p. 80
Sokolov, A.A., El-Dashluty, M.S. - Changes occurring in the meat after the slaughtering of the animal p. 85
Pavlovskii, P.E., Grushetskaia, L.A. - Changes in the proteolytic activity of the ox liver dependent on the preservation conditions. p. 90.
Bal', V.V., Korochkina, L.S. - Food for sturgeon fry. p. 93
Gus'kov, K.P., Machikhin, IU.A., Kalinin, IU.V. - Effect of the material of macaroni dies on the pressure in pressing. p. 95.
Borodai, V.I. - Some problems of the theory of blade type feeders with a horizontal axis of rotation. p. 98.
Vicherskii, P.A. - Performance of adhesion granulators for free-flowing substances p. 108.
Machikhin, IU.A. - Effect of the temperature and moisture of the macaroni dough on the relaxation of stresses. p. 116
Deviatko, V.I., Stabnikov, V.N. - Investigating the experimental data on the equilibrium of the system ethanol-water under atmospheric pressure. p. 120.
Mctiushev, B.D. - Phase equilibrium between liquid and vapor in the three-component system ethanol-water-propanol. p. 123.
Mitiushev, B.D., Petrova, R.S. - Equations for determining the coefficients of evaporation and rectification of isoamyl alcohol. p. 127.
Trub, I.A. - State of the vapor from a concentrated sugar solution boiling under vacuum. p. 134.
Alekseev, N.N. - Determining the coefficient of moisture transfer in tobacco. p. 136.
Cholshner, Kh., Auerman, L.IA. - Rapid method for determining the keeping quality of pressed yeast in storage. p. 141.
Golovkin, N.A., Perkel', R.L., Strakhovich, K.K. - Methods for determining apple viability in case of cold storage. p. 144
El'gort, V.M., Kariakina, I.V. - Continuous determining of micelle concentration by the polarographic method. p. 149.
Kuiko, V.I., Khmel'nitskii, E.A. - Investigating the colorimetric determining of phenols in smoked sausage with the use of 4-aminoantipyrin. p. 154.
Stabnikov, V.N. - Training of engineers for the food industry in France. p. 159.
Lists of defended dissertations. pp. 23, 60, 133.

SAKHARNAIA PROMYSHLENNOST' [SUGAR INDUSTRY] Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 36, no. 9, Sep. 1962.

Table of contents translated

Improve the technical and economic indices of the work of sugar factories p. 1.
Talutis, I.I., Bachinskaia, V.I. - Collective of the Skidel Sugar Combine struggles for the improvement of production indices. p. 7.
Krivunets, IA.A. - Organization of maintenance and repair in sugar factories p. 10.
Sokolov, V.N. - Efficiency of the complete utilization of sugar beets for sugar and feed production and its effect on the national economy. p. 13.
Dem'ianenko, M.P. - Complete utilization of sugar beets is an interesting yet complicated problem. p. 16.
Sudachek, T.N., Savchenko, S.A. - Sugar beets for the production of sugar and feeds. p. 19.
Zelikman, I.F., Trofanova, N.L. - Rate of crystallization of sucrose from a mixture of sugar beet syrup and the unrefined cane sugar solution p. 21.
Tregubova, N.N. - Improving the qualitative indices of production p. 23
Prilutskii, I.I. - Investigating the performance of the two-worm inclined type diffuser. p. 29.
Silin, P.I. - Use of hydrocyclones for the clarification of flume waters. p. 33.
Ostromenskii, V.R., Rovner, R.B. - Use of mechanized settlers in sugar factories. p. 35.
Fridman, S.E. - Experience in the use of trench cutters for the opening and removal of the soil cover of sugar beet piles. p. 36.
Sollanik, F.A. - Experience in the mechanization of the removal of the soil cover from sugar beet piles. p. 38.
Kiol, R.B. - New design of the float flowmeter. p. 39.
Libov, S.I. - Temperature conditions of the evaporation plant in beet-sugar factories. p. 41.
Popov, P.K. - Cost of production of refined molded sugar and ways to reduce it. p. 43.
Ostrovskii, E.V. - Receiving and storage of sugar beets in the factories of the Chernovtsy Sugar Trust. p. 46.
Machula, V.I., Korobko, V.E. - Contribution of the efficiency promoters of our factory. p. 48.
Shukhman, IA.Sh. - Starch and molasses industry of the Ukraine. p. 50
Shtyrkova, E.A., Pevzner, G.M. - Standard technological flow sheets of potato starch manufacture. p. 52.
IUrchenko, E.I. - Lyuban Starch Factory uses a new system of operation. p. 57.
Lieberman, L.A., Novikov, K.I. - Automation of the process of continuous neutralization of acid molasses syrups p. 60
From pages of scientific and technical journals. p. 63
Bugrienko, I.F. - Rate of crystallization of sucrose from impure sugar solutions. p. 66.
From the editor's mail. p. 68.
Abragam, D. - Scientific and technical conference on the new equipment and technology in the manufacture of starch and starch products from potatoes p. 71
Shapiro, A.I. - In the sugar industry section of the Central Administration of the Scientific and Technical Society p. 74.
Meeting our readers p. 74
From pages of information bulletins of economic councils. p. 75.
From the new technical and agricultural literature. p. 76.

Vol 37, no 11, Nov 1963.

Table of contents translated

Increase sugar output! p. 1.
Gal'perin, A.S. - Look up for shelved methods p. 5
IAzmolinskii, M.B. - Problems of equipment and technology in sugar refineries p. 8
Cherednik, V.A., Popov, N.G. - Accelerate the rate of mechanization in sugar refineries. p. 10.
Seliatitskii, V.A. - Machinery spare part supply bases for the sugar industry. p. 13.
Parkhod'ko, A.P. - Experience in the maintenance and repair of equipment in the factories of the Cherkassy Sugar Trust p. 14.
Kagunov, I.N. - Optimum concentration of molasses p. 18
Zhadan, V.Z., Khelemskii, M.Z. - Experimental investigation of the rate of cooling of sugar beet roots p. 21
Skripko, I.S., Popov, V.D. - Equation for calculating the time of crystallization in a vacuum apparatus. p. 24
Sologub, N.A. - Investigating the wear of metals in massecuite media p. 29
Kulik, M.I., Roklitskii, A.A. - Efficient methods for the control of the hydraulic conveying of sugar beets to sugar factories p. 31
Petruniak, V., Dekhtiareva, K. - Experience in the processing of unrefined cane sugar in the Odessa Sugar Refinery p. 36.
Metina, M.K., Antonovich, A.L. - Organization and work of the section of the control and measurement equipment and of automation in sugar factories. p. 39
Budnyi, A.V. - Seminar on the "Ways to increase labor productivity in the sugar industry." p. 43
Dubobotenko, A.P. - Efficiency of the adoption of modern equipment in several sugar factories of the Ukrainian S.S.R p. 50.
Input of manual labor in sugar factories and the determining of the degree of mechanization. p. 51
Sorokin, I. - Production of powdered sugar in the Shepetovka Sugar Combine p. 54
Shtyrkova, E.A. - Manufacture of corn starch in potato-starch and molasses factories p. 56.
Bykova, S.T. - Increasing the operative efficiency of filter presses in the manufacture of molasses p. 61.
Denisova, G.I. - Pudding starch. p. 63
Skavpiev, A.T. - New technological flow sheets of the grinding shops in the Zaspenskii Starch Factory. p. 67
Denisov, F.F. - Establishment of norms for raw materials p. 68.
Sugar industry of Belgium. p. 69.
Karasev, S.A. - Hydrazine additives in the preparation of feedwater p. 73
Optimum distribution of the heating surface in a multiple-effect evaporator set. p. 73.
General problems. p. 74.
Pulp pressing. p. 75
Benin, G.S. - Production control and accounting p. 76
From the new technical and agricultural literature. p. 77

* STEKLO I KERAMIKA [GLASS AND CERAMICS]. Issued by Gosudarstvennyi komitet po promyshlennosti stroitel'nykh materialov pri Gosstroe SSSR [State Committee for the Building Materials Industry, Attached to the State Committee for Construction in the U.S.S.R.]. Moscow, vol. 20, no. 8, Aug. 1963.

Table of contents translated:

Ginzburg, D.B., Rapoport, A.IA. - Improving the design of furnaces with necks. p. 1.
Kopytov, L.N. - Measuring the brittleness of glass p. 8.
Kolomiets, B.T., Shilo, V.P. - Softening points of some chalcogenide glasses. p. 10.
Vorob'ova, O.V., Vinogradova, V.V. - Metal oxide films on glass with uniform and variable resistance. p. 13.
Andreevskaia, G.D., Pilsko, T.A. - Some physical properties of continuous basalt fibers. p. 15
Syritskaia, Z.M., IUdin, N.A. - Glasses of the SiO_2 - CaO - Na_2O - K_2O system colored with rare earth oxides p. 18
Kaliakin, V.M., Zolotarev, N.V. - Instrument for measuring the low speeds of polishing pulp flow p. 20
Bolotskaia, N.S. - Effect of silica gel on the technological properties of clay. p. 22.
Maslennikova, G.N., Krasnogolovyi, N.K., Buchenkova, A.F. - Study of the process of aging in high-voltage ceramic materials. p. 26
Belonogov, M.V. - New method of detecting disturbation of structure in molded parts of electric insulators. p. 26.
Levitskii, G.D. - Mathematical analysis of the operation of the screw in a vacuum press. p. 31
Kutateladze, K.S., Khizanishvili, I.G., Gaprindashvili, G.G. - Black andesite glaze. p. 38
Belousov, V.M. - Changes in ceramic materials under radiation. p. 40.

* ZHURNAL PRIKLADNOI KHIMII [JOURNAL OF APPLIED CHEMISTRY] Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 36, no. 8, Aug. 1963

Table of contents translated

Dubrovo, S.K., Shnypikov, A.I. - Glasses stable in alkaline solutions for chemical laboratory articles p. 1633.
Antonova, E.A., Kuznetsova, L.A. - Temperature of formation and the structure of glass-metal coatings on steel. p. 1637.
Satalkin, A.V., Solntseva, V.A. - Structure formation in a cement paste and in solutions with additives. p. 1641
Avgustinik, A.I., and others. - Simultaneous precipitation of several components for obtaining ceramic coatings by electrophoresis. p. 1643
Avgustinik, A.I., Vigdergauz, V.S., Zhuravlev, G.I. - Effect of the dispersity of the solid phase on its electrophoretic precipitation from suspensions. p. 1650.
Maslennikova, G.N., Buchenkova, A.F. - High voltage ceramic materials with increased electromechanical properties. p. 1654.
Maier, A.I., Samplavskaia, K.K., Selivanova, N.M. - Thermal decomposition of copper selenite p. 1660.
Pus'ko, A.G., Popomarev, V.D., Titova, G.I. - Sulfation of titanium materials in a fluidized bed p. 1665.
Flis, I.E. - Some problems included in the mechanism of oxidation in hypochlorite solutions. p. 1669
Zdanovskii, A.B., Imamutdinova, V.M. - Kinetics of solution of natural borates in hydrochloric acid solutions. p. 1675.
Nogaev, K., Bergman, A.G. - Interaction in the ternary systems of urea and ammonium nitrate with sodium and potassium nitrates p. 1680
Ganz, S.N., Kuznetsov, I.E. - Rate of absorption of nitrogen oxides in tubular towers with centrifugal volume sprayers. p. 1686
Ganz, S.N., Kuznetsov, I.E. - Alkaline absorption of nitrogen oxides in a tubular tower with a centrifugal volume sprayer and evenly distributed flow. p. 1693.
Potemkin, K.N. - Magnetochemical phase analysis of iron oxides obtained by the reduction of α-Fe_2O_3 with methane and carbon. p. 1697.
Sabaev, I.IA., Shokin, I.N., Krasheninnikov, S.A. - Equilibrium distribution of components in the systems H_3PO_4 - HCl - $CaCl_2$ - H_2O - isoamyl alcohol and H_3PO_4 - HCl - $CaCl_2$ - H_2O - n-butyl alcohol. p. 1702.
Kudriavtseva, L.S., Susarev, M.P. - Liquid-vapor equilibrium in the system acetone-chloroform-hexane at temperatures 35, 45, 55° and pressure 760 mm. Hg. p. 1710.
Susarev, M.P., Kudriavtseva, L.S. - Differential equation of the curves of multiple distributions (constancy of the relative volatility) of two components of a ternary system solution - ideal vapor. p. 1717.
Babko, A.K., Gridchina, G.I. - Separation of ions on the basis of their different ability to polymerize in solution. p. 1722.
Gorshtein, G.I., Dmitrieva, N.S. - Fractionation of trace impurities during the crystallization of tartaric acid from aqueous solutions. p. 1725.
Kafarov, V.V., Zelinskii, IU.G. - Mass transfer on downcomerless grid trays. p. 1730.
Rodionov, A.I., Kashnikov, A.M., - Testing of a downcomerless tray at various angles of inclination p. 1737.

Popova, T.I., Bagotskii, V.S., Kalanov, B.N. - Effect of small amounts of metal impurities on the value of hydrogen overvoltage on zinc in concentrated alkaline solutions. p. 1743.
Popereka, M.IA. - Change of internal stresses in zinc deposits after electrocrystallization. p. 1748.
Savetsov, N.N., Stender, V.V. - Current leakage in the industrial electrolysis of aqueous solutions. p. 1756.
Fedot'ev, N.P., Il'in, V.A. - Electrodeposition of silver from noncyanide electrolytes. p. 1763.
Fterov, V.N. - Change of the efficiency of some powder electrodes during their cycling p. 1768.
Khomutov, N.E., Skornikova, T.N. - Use of cells with a flowing electrolyte. p. 1772.
Kristtalik, L.I. - Dependence of the permeability of an asbestos diaphragm on the pressure in the absence of an electric current. p. 1776
Kuzub, V.S., Gnu, B.A. - Bright zinc plating from an acid bath. p. 1782.
Kukurin, A.D. - Problem of the formation of acetylene and carbon black. p. 1784.
Passet, B.V., Galanov, M.E. - Sulfonation of naphthalene with sulfuric acid in the presence of alkali metal sulfates. p. 1793.
Petropavlovskii, G.A., Krunchak, M.M., Vasil'eva, G.G. - Low-substituted nitrates of wood celluloses. p. 1799.
Rozmarin, G.N., Simionescu, Kr. - Problem of the polydispersion of some photochemically degraded celluloses. p. 1808.
Petropavlovskii, G.A., and others. - Properties of films of low-substituted nitrates of wood cellulose. p. 1816.
Rostovskii, E.N., De-Millo, L.E. - Dehydration of polyvinyl alcohol. p 1821.
Cherkov, IA.B, and others. - Formation of trace impurities in middle-distillate fuels. p. 1825.
Arbuzova, I.A., Medvedeva, L.I, Zakharov, S.K. - Synthesis of glycol esters of methacrylic acid. p. 1833.
Saborov, B.V., and others. - Catalytic synthesis of the dinitrile of terephthalic acid. p 1837.
Kagarlitskii, A.D., and others. - Catalytic synthesis of benzonitrile by means of the oxidative ammonolysis of aromatic compounds. p. 1848.
Petrov, K.A., Nifant'ev, E.E., Libman, B.IA. - Synthesis of di- (2-ethylhexyl) phosphate and phenyldi- (2-ethylhexyl) phosphate. p. 1853.
Astrelova, L.S. - Effect of the thermal treatment to which alkali silicate glasses were subjected on the structure of porous glasses obtained from them. p. 1858.
Makarenko, G.N. - Preparation of lanthanum dicarbide by a vaccum-thermal method. p 1860.
Margulis, E.V., Pus'ko, A.G., Maletina, E.D. - Effect of the acidity of sulfuric acid solution of titanium on the dispersity of the hydrolysis products p. 1862.
Bergman, A.G., Nogoev, K. - Interaction of urea with sodium and potassium nitrates. p. 1864.
Bogatykh, S.A., Evnovich, I.D. - Study of the viscosity of aqueous solutions of LiCl, LiBr, and $CaCl_2$ suitable for the conditions of drying of gases. p. 1867.
Kishenevskii, M.Kh., Kornienko, T.S. - Diffusion stream from a moving drop. p. 1869.
Rostovskii, E.N., De-Millo, L.E. - Vinyl enanthate and ethylidenedienanthic ester. p. 1871.

d. CIVIL & CONSTRUCTION ENGINEERING

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Izvestiia[ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U.S.S.R. Bulletin]. Moscow, no. 4, 1961.

Table of contents translated:

Decisions of the 22d Congress of the CPSU and challenges for the science of construction and architecture. p 3
Kucherenko, V.A. - Problems of utilizing achievements of the basic sciences in developing building science and technology. p. 12.
Mystin, V.A. - Design of new types of industrial buildings p. 19.
Strizhenov, S.I. - Aeration of industrial buildings. p. 38.
Moskvin, V.M., Rotak, G.S. - One of the complex problems of the corrosion of concrete. p. 48.
Volkind, I.L., and others. - Storage for field crops of collective farms and state farms. p. 54.
Samoilova, N.A. - Development of socialist architecture in the German Democratic Republic p. 63.
Rabinovich, V.I. - Objective tendencies in the development of the architecture of the capitalist countries. p. 75.
Evtikhin, V.F. - Calculations for large-diameter steel pipe with stiffening rings. p. 85.
Shepelev, I.A. - Ventilation supply currents and "fountains of air." p. 90.
Abramov, L.V. - Scientific Council. p. 109.
Aleksandrovskii, S.V. - Council on Coordination of Scientific Work. p. 111.
Papanigoputo, S.V - The Institute of New Building Materials p 112.
Smirnov, L.A. - The Rostov Building Research Institute. p. 113
The Institute of Water Supply, Sewer Systems, Hydraulic Structures, and Hydrogeological Engineering p 115.
Mongait, I.L - Working up the "Instructions for the design of outdoor sewerage of industrial enterprises" p. 116.
Gotovtsev, V.I - For high-quality pipelines made of cast-iron water pipe. p. 117.
Ivashchenko, E.I. - Institute of Industrial Buildings and Structures. p. 120
Tikhonova, A.A. - City Planning Institute. p 122.
Institute of the theory and history of architecture and construction technology. p. 124.
Mizikin, V.P - Sanitary Engineering Institute p 124
List of articles published in the periodical "Izvestiia Akademii stroitel'stva i arkhitektury SSSR" for 1961. p. 126

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut betona i zhelezobetona, Perovo Nauchnye soobshcheniia [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U.S.S.R. Institute of Concrete and Reinforced Concrete. Scientific Reports] Moscow, no. 15, 1963.

Contents. TSeilon, D.I. [High-strength concretes] Vysokoprochnye betony. 66 p

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. TSentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture. Opyt zarubezhnogo stroitel'stva [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U.S.S.R. Central Institue of Scientific Information on Construction and Architecture. Construction Practice Abroad]. Moscow, no. 7, 1963.

Contents: [City planning and transportation, effect of the movement of traffic on the design of central regions of the United States and England] Planirovka gorodov i transport; vliianie transportnogo dvizheniia na planirovku tsentral'nykh raionov SShA i Anglii. 118 p.

No. 9, 1963.

Contents: [Methods of building separate complex engineering structures] Metody stroitel'stva otdel'nykh slozhnykh inzhenernykh sooruzhenii. 130 p.

No. 10, 1963

Contents: [Apartment houses and standard buildings serving cultural and public needs in foreign countries built with modern structural elements and materials] Zhilye i massovye kul'turno-bytovye zdaniia s primeneniem progressivnykh konstruktsii i materialov v zarubezhnom stroitel'stve. 104 p.

No. 12, 1963.

Contents: Rots'ko, V.K. [Air conditioning] Kondtsionirovanie vozdukha. 75 p.

AVTOMOBIL'NYE DOROGI [HIGHWAYS]. Issued by Ministerstvo transportnogo stroitel'stva SSSR [Ministry of Construction for the Transportation Industry of the U.S.S.R.]. Moscow, vol 26, no.10(252), Oct 1963

Table of contents translated

Let us get ready for winter work. p. 1.
Petrov-Semichev, IU.A., Kovalev, G.G. - Important potentiality in road construction. p. 2.
Rozov, N.A. - Winter work in the Moscow Province Construction Trust. p. 3.
Karataev, G.S., Bollaev, B.E. - Road work has been carried out in winter
Vasil'ev, IU.M. - Stability of banks in winter. p. 6.
Shilkov, V.A. - Construction of a san p. 8.
Alpatkin, M. - Road construction on p ground. p. 10.
Nikishina, M.F., Begunkova, N.I. - using bituminous emulsions. p. 21
Golovnia, M.A. - Improving the quali asphalt concrete with lime. p. 22.
Zhukov, A.F. - New method for calcu state of bank soil. p. 25.
Segal, V.S., Paramonov, V.I. - Unit ter shelters. p. 26.
Merzon, M.D. - Heating bitumen with p. 26.
New patent literature. p. 27.
Starovoida, V.P. - International high dictionary. p. 28.
Catalog of precast concrete construct p. 28.
Bitskuashvili, Z.S. - Characteristic ment construction under various cl tions in the Georgian S.S.R. p. 13
Evgen'ev, I.E, Okovityi, A.L - Simple method for constructing banks in marshlands. p. 14
Treskinskii, S. - Hypothesis of frost deformations on roads p 15
Ozerov, L. - Brigade of highly efficient labor p 17.
Brazhki, M. - At the Highway Ministerium of the R.S.F.S.R p. 18.
Aniskov, P. - In the Central Road Construction Trust p 18.
Borgen, R.I. - Sealing cracks in concrete beams with epoxy cement. p. 19.
Gumenskii, B.M. - Accounting for the thixotropic stabilization of clayey soils p. 20
Il'in, B.A. -Construction and operation of local roads in Canada. p. 20
Slivak, I.M. - Coordinate the work of road constructors and city builders p. 31
Design of not-reinforced slabs for the bridge road. p. 32.
Highway news. p 3 of cover.

BIULLETEN' STROITEL'NOI TEKHNIKI [BULLETIN OF CONSTRUCTION ENGINEERING] Published by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R for Construction]. Moscow, vol 20, no. 8, Aug 1963

Table of contents translated

Problems of the organization of the State Production Committee on Assembly and Special Construction Work of the U.S.S.R p. 1.
Unified standard sections of office and employees' service buildings in various branches of industry p 3
Measures for further development of research and design in the field of three-dimensional structures and their broader application in building. p 4
Wider application of lime-sand products and cementless concretes of autoclave solidification p. 6
New chapters from "Construction specifications and regulations"
"Auxiliary buildings and premises of industrial enterprises Design standards" p. 7.
"Underground mining. Regulations of production and acceptance of work." p 10.
"Railroads. Regulations for the construction work, organization and acceptance of completed work." p. 11
"Construction of land reclaiming systems. Regulations for the construction work, production and acceptance of completed work." p 12.
Reinforced concrete single-stage trestles for process piping. p. 13.
New state standards:
"Semirigid vitreous mats and slabs used in construction." p. 16.
"Semiporcelain laboratory sinks. Types and basic sizes." p. 17.
"Carbonate rocks for the production of building lime." p. 18.
"Izol." p. 18.
Changes in the state standards. p. 19
Change No. 5 in the All-Union State Standard 5688-56 p. 20.
Using the TZB make cable. p. 20.
New machine-construction norms p. 21.
Utilization of reinforcing steel in reinforced concrete elements, used in the open-air at low temperatures p. 23
Change present standards for working our individual projects. p 24.
Laying footings and foundations on settling soils. p. 25.
Conductors for fixing the ends of reinforcements in collar beams and columns. p. 25
Use of electric conduits laid in structural elements

Standardized sections of buildings for the foundry, forging and pressing industries. p.6.
Mechanization of conveying and loading work p.7.
Plastering work during the finishing of buildings and structures. p.8.
Correct determination of the estimated cost of design and research work. p.9.
New chapters of construction specifications and regulations "Thermal electric power plants. Design specifications." p 10.
"Production buildings of industrial enterprises. Design specifications " p.11.
"Heat insulation. Production regulations and acceptance of work " p.17
Sanitation standards for designing industrial enterprises. p.18.
Instructions for designing steel structures using bent sections. p.22.
New estimates. p.22.
Nomenclature of precast reinforced concrete construction and standardized outline drawings of multistory industrial buildings. p.24.
Prestressed foundation beams. p.26.
In the State Committee on Construction of the Council of Ministers of the U.S.S.R. p.29.
Abolishment of the Academy of Construction and Architecture of the U.S.S.R. and the Academy of Construction and Architecture of the Ukrainian S.S.R. p.34.
All-Union general inspection of the quality of construction and competition for the best construction of standard designs. p.35.
In the State Committees on Construction of the Union Republics. p.36.
In the Research Institutes Shapiro, L.S. - Newly developed concrete and reinforced concrete structural elements. p.36.
Lenchevskii, IU.S. - Sanitary engineering apparatus and equipment. p.40.
In the Design Institutes Bril', M.G., Kliachkin, E.I - Precast reinforced concrete double-branched columns for plants equipped with cranes having a lifting capacity of 75, 100 and 125 tons. p.43.
Fiadkin, S.A. - Precast reinforced concrete foundations for standard columns. p.43.
Perepada, L.F., Khazanovskii, I.S. - Cupola roofing of radial thickeners. p.43.
Zhiliakova, A.IA., Luchkovskii, I.IA., Khazanovskii, I.S. - Design of a precast reinforced concrete element for dump cars. p.45.
In the Main Administration of Government Consultations IAmpol'skii, E.S. - Building design for the construction of a bearing plant. p.45.
"List of planning and construction standards approved by the State Committee on Construction of the Council of Ministers of the U.S.S.R. in the third quarter of 1963." p.47.
"List of planning and construction standards changed by the State Committee on Construction of the Council of Ministers of the U.S.S.R. in the third quarter of 1963." p.48.

GORODSKOE KHOZIAISTVO MOSKVY [MUNICIPAL ECONOMY OF MOSCOW]. Organ of Ispolkom Moskovskogo gorodskogo soveta deputatov trudiashchikhsia [Executive Committee of the Moscow City Soviet of Workers' Deputies]. Moscow, vol 37, no 7, July 1963.

Table of contents translated:

Gabrielov, L.B. - Sixty glorious years. p.1.
Sidorov, N.N. - Party and state control over jobs in operation. p.4.
Chechel'nitskii, I.I. - Learn last winter's lessons. p.6
Moscow news. p.7.
For high quality in apartment houses. p.8.
Kirilin, I.V. - Defects in designing and building apartment houses p.11.
Plotnikov, N.P. - Mistakes in designs; their causes and consequences. p.13.
Khlevchuk, V.R., Kaliadin, IU.A. - Temperature and humidity control in completely prefabricated apartment houses. p.16.
Fel'dman, V.I., IAstrzhembskii, A.L. - Introduce efficient types of flush tanks. p.18.
Ivankov, V.A., Rabinovich, G.M. - New type of elevator. p.20.
New books. p.22.
Moscow thirty years ago. p.23.
Ivlev, A.M. - Kuybyshev District. p.24.
Rushevskii, P.V. - Coordinated regulation of traffic and the planning of a street system. p.29.
Lantsberg, IU.S. - Improvement of the public area about the Serebryano-Vinogradnyy Pond. p.33.
Levin, V.S. - Development of a wooded park area. p.36.
Anfilov, N.F. - Nursery producing for Moscow parks. p.40.
Petrov, I.M. - New developments in the construction of greenhouses. p.42.
Mel'nikova, N.A., Titova, A.V. - Effect of rotary snow removers on park plantings. p.45.
Pogorelov, A.K. - Reducing the amount of work required to move small mining shields. p.46.

LENINGRAD. INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Sbornik trudov [INSTITUTE OF RAILROAD TRANSPORTATION ENGINEERS Papers] Moscow, no.179, 1961 Avtomatika, telemekhanika i sviaz' na zheleznodorozhnom transporte [Automatic control, remote control, and communications in railroad transport]

Table of contents translated

Lupal, N.V. - Feedback in blocking and interlocking devices and some problems concerning the further automation of these systems. p.3.
Shumilov, A.D. - Generalized formulas for calculating cables of track circuits for minimum copper content. p.9.
Denisov, V.I - Time modulation for purposes of controlling the state of two-positional objects. p.15.
Listov, V.N. - Problem concerning iso-extremum functions. p 28.
Listov, V.N. - Nature of speech and its synthetic reproduction p.35
IUan' Bao-tszun [Yüan Pao-tsun]. - Method for generating a fundamental tone p.48.
IUan' Bao-tszun [Yuan Pao-tsun] - Distribution of the instantaneous values of Chinese speech signals. p.55.
Kaller, M.IA., Ievleva, L.S. - Methods for taking into account the natural asymmetry of a two-wire circuit on the magnitude of noise induced in it p.61.
Orurk, I.A. - Numerical calculation of transients in nonlinear systems. p 81.
Zheverzheev, V.F., Orurk, I.A. - Use of a least squares method for finding the originals of complex images and determination of parameters of complex systems. p.96.
Tabachinskii, V.F. - Engineering semigraphical methods for calculating transients in nonlinear electrical networks. p.107
Tiurin, V.L. - Synthesis of some amplifier networks using the given frequency characteristic of the amplifier p.116.
Malakhov, E.A - Design of a selective transistor amplifier with a double T-type bridge in the feedback circuit. p.126.
Voloshinov, V.P. - Stability of feedback amplifiers. p.133.
Popov, V.P. - Choice of operating mode of electromagnetic mechanisms in R, L networks. p.130.
Mikhalev, A.N. - Use of the converter theory in the analysis of an annular magnetostriction resonator. p.151.
Petrov, I.I. - Problem concerning the organization of sectional radio relay communications in railroad transport. p.155.
Li Chen-shu [Li Ch'eng-shu] - Study of a phase detector network. p.169.
TSekin, M.A. - Some studies of a shock excited transistor oscillator. p.188.

MEKHANIZATSIIA STROITEL'STVA [MECHANIZATION OF CONSTRUCTION]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva stroitel'noi industrii [State Committee of the Council of Ministers of the U.S.S.R. for Construction and the Central Administration of the Scientific Technological Society of the Construction Industry]. Moscow, vol. 20, no. 8, Aug 1963.

Table of contents translated

Es'man, I.G., Gimpelev, A.G. - Best engineers of White Russia. p.1.
Degtiarev, A.P. - Competition of the excavation brigades of the Ukrainian Excavation Combine. p.2.
Bazhenov, K.N. - Nikolai Smeshniuk, bulldozer operator. p.4.
Oreshin, M.A., Kachanov, P.V - Methods of improving the use of cranes in agricultural construction. p.5.
Blank, L.I., Kitaeva, N. - Mechanized recording of the performance of construction machines. p.9.
Odintsov, D.G., Pushkarev, V.V. - Transportation of large-sized elements. p.11.
Melbom, R.V., Kosarev, A.I. - Make wider use of rotary crushers in the industry of rock, sand, and gravel materials to be used in construction. p.14.
Borisov, N.L. - Transportation of road rollers. p.16.
Chudakov, K.P., Prokof'ev, V.A. - Problems of the technical and economic analysis of the repair of E-652 excavators. p.17.
Morozov, P.K., Korman, Z.E. - Experimental application of the industrial method of repairing building machines. p.19.
IAchin, IU.A., Sheinin, P.D. - The CHMZAP-5530 trailer. p.23.
Nosenko, N.E. - Modern equipment for cutting and bending reinforcing steel. p.25.
Koniuka, N. - Valuable manual on the calculation of the economic effectiveness of the mechanization and automation of construction. p.28.
From the pages of Soviet magazines. p.30.
From the pages of foreign magazines. p.32.

MOSCOW Glavnoe upravlenie po zhilishchnomu i gra[illegible]

Contents: Dubrovkin, S.D. [Study of the characteristics of plastic pipelaying in water supply and sewer systems in apartment houses] Issledovanie osobennostei prokladki plastmassovykh truboprovodov v sistemakh vodosnabzheniia i kanalizatsii zhilykh zdanii. 49 p.

NOVOSIBIRSK. INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [INSTITUTE OF RAILROAD TRANSPORTATION ENGINEERS Transactions]. Moscow, no 25, 1961. Voprosy ravnomernoi raboty zheleznykh dorog [Regularity in railroad operations].

Table of contents translated.

Beshketo, V.K. - Irregularity of freight operations and ways to reduce it. p.5.
Grushevskii, F.U. - Methodology for determining the effect of irregularity in transportation operations on the quantitative and qualitative indices of a railroad line. p.27.
Fleishman, B.A. - Results of experimental coal loading without the use of bunkers in some Kuznetsk Basin mines. p.47.
Moskalev, P.I. - Yards for the preparation of engine cars for loading are an efficient means for securing the regularity of the work in large loading areas. p.75.
Balokhin, G.A. - Concerning the work conditions of the Western Siberian Railroad under the new operation system of Kuznetsk Basin coal mines. p.89.
Antonov, IU.A. - Effect of "traffic intervals" on the regularity of train movements by sections. p.10
Zhuravel', A.I. - Relation between the costs of operation and irregularity in freight transportation. p.109.
Lazebnikov, IU.S. - Economic evaluation of the coefficient of irregularity in the handling of freight transportation. p.117
Bykadorov, A.V., Fedotov, N.I. - Variable speed rate of train sorting on humps. p.135.
Vysotskii, IU.L. - Establishing operative norms for train movements under the conditions of considerable fluctuations in the traffic volume. p.165.
Belousov, A.D. - Lengthening of haul distances in case of diesel traction. p.175.
Baklushinskii, V.A. - Analytic indication of the increase and decrease of the dynamic series in a given discrete interval. p.187.
Bykadorov, A.V. - Rated cuts in case of a variable speed of train uncoupling in hump yards. p.191
Bykadorov, A.V - Experimental determining of the rolling speed of cuts down the hump. p.207
Kurnosenko, P.A. - Effect of the irregular arrival of cuts on the work of transshipment stations p.219.

No.28, 1962. Voprosy inzhenernoi geologii, osnovanii i fundamentov [Fundamentals of engineering geology, footings and foundations].

Table of contents translated

Nikitenko, F.A. - Lithostratigraphic complexes of loess in the Ob' Valley. p.3.
Nikitenko, F.A. - Recent ravine formations in the upper Ob' Valley. p.7.
Mikhal'chenko, G.F. - Mineralogical and structural characteristics of loess in the Bogashevskiy area p.23.
Abramov, S.P., Chernousov, S.I. - Physical properties of Pleistocene clay sediments in the middle Ob' Valley. p.31
Chernousov, S.I. - Mechanical properties of Pleistocene clay rocks in the middle Ob' Valley. p.45.
Abramov, S.P. - Using indices of physicochemical properties of clay rocks for solving geological problems. p.53.
Nikitenko, F.A., Basheguro va, K.I. - Practice in the compaction of macroporous settling soils in Novosibirsk. p.63.
Krivoratov, A.P. - Compactness of sand foundations in a limit state. p.71.
TSiunchik, B.I. - Calculation of natural foundations for structures to be built on loess. p.77.
Solov'ev, IU.I. - Stability of slopes of "hypothetical soils. p.83.
Solov'ev, IU.I. - Determination of actual pressure taking into account the compressibility of soils. p.99.
Lobanov, I.Z. - Effect of stressed state on the deformation of loose soils. p.107.
Sokolov, V.A. -Temperature conditions of individual foundations in Novosibirsk. p.121
Sokolov, V.A. - Practice in electrochemical stabilization of clay soils. p.125.
Soldatenko, A.R. - Some data on the salinization of soils by sodium chloride. p.129.

Fuskov, V.I. - Methods of the laboratory determination of the strength of soil and foundation adfreezing p.137.
Ermakov, I.G., Shatov, V.I. - Relationship between the deformation modulus of West Siberian dusty sands and the porosity coefficient. p 151.

OSNOVANIIA, FUNDAMENTY I MEKHANIKA GRUNTOV [FOUNDATIONS AND SOIL MECHANICS] Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U S S R. for Construction]. Moscow, vol. 5, no. 4, 1963.

Table of contents translated.

Klein, G.K. - Ground pressure on the supporting wall depending on wall displacements and the rigidity of the foundation. p. 1.
Dalmatov, B.I, Karpov, V.M. - Stability of foundations in clayey soils during deep seasonal freezing. p 4.
Zhukhovich, V.V. - Creep and normal and lasting strength of compact Maeotic clays. p. 7
Petrov, G I - Building bridge supports on bored pilings. p 10
Kasperskii, O.A. - Thermal strengthening of sagging loessal soils. p. 13.
Prigozhin, E.S, Denisov, V.N. - Results of ground pressure measurements on the lining of sewage conduits. p. 16
Kozlovskii, A.A., Svetinskii, E.V., Stechkina, N.A - Ramming unit on a MRSR-100 erecting crane base. p 18.
Vialov, S.S. - Concerning the forthcoming revision of "Technical specifications for designing footings and foundations on permafrost soils." p. 21.
Application of some instructions in Construction Specifications and Regulations II-B.2-62, "Footings and foundations on sagging soils." p. 23.
Kanarov, N.K., Dalmatov, B.I. - Calculation of sand cushions. p. 24
Korzhenko, L.I., Shvets, V.B. - Regional design norms for foundations for use by Ural foundation workers. p. 26.
Veselov, V.A. - The 22d Technological Conference held at the V.V. Kuibyshev Engineering and Construction Institute in Moscow. p. 28.
Mariupol'skii, G.M. - Conference on water-level lowering for building purposes. p. 29.
Second Asiatic Regional Conference on soil mechanics and foundation construction in Tokyo. p. 30.
Reviews and bibliography. p. 31.
B.D. Vasil'ev, obituary. p. 32.

PROMYSHLENNOE STROITEL'STVO [INDUSTRIAL CONSTRUCTION]. Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva stroitel'noi industrii [State Committee for Construction in the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Building Industry]. Moscow, vol. 41, no. 9, Sep. 1963.

Table of contents translated:

Shegal, A.V. - Mounting structural elements of an oxygen-blown converter assembly plant. p. 2.
Polishchuk, V.A. - Experiment in the installation of cast-in-place concrete piles in soft, water saturated soils. p. 6.
Zubin, Iu.I. - Experiment in the installation of a coal loader crane. p. 8.
Peremetov, B.V., Zen'kovich, A.M. - Installation of aluminum exhaust pipes. p. 11.
Streletskii, N.S. - Considering the life of elements in structural calculations. p. 13.
Chibenkov, Iu.V. - Precast slanting shells. p. 19.
Sypchuk, P.IA. - Wall panels for industrial buildings with an increased temperature and humidity regime. p. 21.
Litvinenko, V.I. - Problems of designing silos for bulk loads. p. 25.
Svetov, A.A., Freidenfel'd, O.K. - Tiles for easily detachable roofs of industrial buildings. p. 28.
Sungatullin, IA.G., Ponomareva, V.I. - Rigidity of prestressed cellular concrete tile roofing under lasting stress. p. 31.
Grebennik, R.A. - Some technical and economic indicators of the assembly of three-dimensional roofs. p. 33.
Rygalov, V.A. - Some problems in the design of plants for the chemical industry. p. 38.
Kas'ianenko, I.A. - Design of structures of hot rolling coiled sheet plants. p. 41.
Danilenko, T.S. - It is necessary to revise the instructions on the inspection of settling foundations. p. 43.
Konovalov, V.S., Kachanov, V.F. - Prospective constructions of hoisting and transporting machines for industrial buildings of the machine industry. p. 46.
Fukson, S.Iu. - Design of assembly projects of structural elements and plants of industrial installations. p. 53.
Turchin, N.IA. - B.D. Kharin's book "Organization of the construction of thermal electric power plants." p. 55.

Vol. 41, no. 10, Oct. 1963.

Table of contents translated

Kovalenko, A.F., and others. - Unify the parameters of buildings and installations of sintering and dressing factories. p. 2.
Khrushchev, V.F. - Pavilion-type buildings of the ore-dressing industry. p. 5.
Shapovalov, L.L., Kulikov, B.N. - Design of a new type of dressing plant for dressing magnetites. p. 10.
Astrlab, M.Iu., Ushakov, N.A. - Unification of precast reinforced concrete hoppers. p. 15.
Gusakov, A.A. - Means of raising the effectiveness of capital investments by the continuous construction of the main building of large heat and electric power plants. p. 17.
Buriak, P.G., Kostoglodov, V.V. - Experiment in the use of drainage under structures on sagging soils p. 23.
Medinskii, B.E., Mil'ner, E.D. - Experiment in constructing a blast-furnace and sintering factory in the Orsk-Khalilovo Metallurgical Combine. p. 28.
Shapoval, I.K. - Experience in assembling structural elements in the Sokolovka-Sarbay Combine. p. 34.
TSeitlin, A.A., Beletskii, Iu.I - Insulated arched covering for industrial buildings made from precast two-core panels. p. 37.
Korchagin, V.A. - Steel, water-sealed gasholder with extralow pressure. p. 39.
Zusmanovich, IA.T. - Several problems in designing general plans for machinery plants. p. 41.
Levitanskii, I.V. - Elements of field joints made from separate angle-brackets. p. 44.
Shevchenko, V.D., Permiakov, Iu.V. - Using the SKG-30 track-laying crane with a 55m. guying crane arm. p. 49.
Medvedev, V.M., Shapiro, L.S. - Raise the level of anticorrosive protection of structural elements. p. 51.

POZHARNOE DELO [FIRE FIGHTING]. Issued by Ministerstvo vnutrennikh del RSFSR [Ministry of the Interior of the R.S.F.S.R.] Moscow, vol. 7(51), no. 7, July 1961.

Table of contents translated

Crops without losses. p. 1.
Cherkashin, I. - The assumed obligations will be fulfilled. p. 2.
Karlov, I. - Orenburg firemen protect the crops. p. 3.
Savel'ev, G. - Petroleum tank farms must be under unrelenting inspection. p. 6.
Bushin, K., Nazarov, Iu. - Utilization of industrial wastes without creating new waste products. p. 7.
Tolkov, A. - Instructor Pintov. p. 8.
Afanas'ev, N. - Inspection and assistance are inseparable. p. 9.
Baratov, A. - Universal indicating instrument. p. 10.
Mishin, V. - Basement exits. p. 11.
Minaev, S., Obukhova, N. - The chosen course is right but stay closer to practical application. p. 12.
Babchuk, P. - Veterans. p. 13.
Golov, Iu. - Art shops. p. 14.
Kurbatskii, O. - Parallel operation of pumps feeding the mounted nozzle assembly. p. 15.
Nikolaev, I. - Fire fighting engines are not for pleasure driving. p. 17.
Konchaev, B. - Forty years in service. p. 18.
Alekseev, M. - For a better education; Conference of the Faculty of Fire Prevention and Safety Engineering. p. 19.
Treshchev, A. - Training plus techniques. p. 20.
Gazetov, V. - It is the right way, but... p. 22.
Lukin, V. - The ALG-17(52) automatic ladder. p. 24.
Rudnik, I. - Redesigned "Ivanov system" foam extinguisher p. 26.
Shebeko, N. - Cart for the haulage of the MP-800 motorpump. p. 26.
Sorokin, A. - Mobile laboratory. p. 27.
Kovtun, G. - The accident was stopped. p. 28.
Voroneckas, V. - The courageous people of Lithuania. p. 28.
Musatov, N. - Important field of activities of the Volunteer Firemen Societies. p. 29.
Semenov, V. - From the history of fire departments; glorious page of the history of fraternal friendship. p. 31.
Readers' letters. p. 32.

Vol 8(52), no. 9, Sep 1962.

Table of contents translated:

Fire fighting program. p. 1.
A knight of the revolution. p. 3.
Charting the course to the rural areas. p. 4.
Oreshin, P. - In a leather factory. p. 5.
Borisova, G. - Demands of life. p. 6.
On the roads of the Land of Smolensk. p. 7.
Kulakov, A. - Paramount duty. p. 10
Semenov, V. - Inspector Denisov. p. 12.
L'vov, K - Problem waiting to be solved. p. 13.
Nosov, I. - Drying of lumber in package piles. p. 14
Gusev, M. - Seconds, victories; defeats. p. 15.
Kosykh, I. - Price of a minute. p. 20.
Molchanov, V. - Helicopters in fire extinction. p. 22.
Elistratov, A - Universal device. p. 23.
Valitskii, V. - Tuning of the TsRS radio station without instruments. p. 24.
Rudakov, Iu. - Attachment device for the TKOZ-50 telephone station. p. 24.
Kochnev, I, Ishmaev, I. - Under the conditions of northern regions. p. 25.
Chapchai, V. - Fire at the Odessa petroleum tank farm. p. 26.
Moskalev, V. - Wood prevents fires. p. 27.
Fire retreated under the attack of courageous people. p. 28.
Nechaeva, N. - Metallurgists study fire prevention. p. 28.
Nazarov, Iu. - What is "Aftetan?" p. 31.

REFERATIVNYI ZHURNAL: AVTOMOBIL'NYE DOROGI [JOURNAL OF ABSTRACTS: HIGHWAYS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 11, Nov. 1963.

STROITEL' [THE BUILDER]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva and TSentral'nyi komitet Profsoiuza rabochikh stroitel'stva i promyshlennosti stroitel'nykh materialov [State Committee of the Council of Ministers of the U.S.S.R. for Construction and the Central Committee of the Trade Union of Construction and Building Materials Workers]. Moscow, vol. 9, no. 10, Oct. 1963.

Table of contents translated.

Borovin, S., Pavlov, G. - Lightweight concrete wall panels for industrial buildings. p. 1.
Nekrasov, K., and others - Heat-resistant air-entrained concrete. p. 5.
Zoshchuk, N. - Production of heat-resistant air-entrained concrete has been mastered. p. 8.
Grebenkina, O - An obligation honestly met. p. 9
Mikhailenko, A. - Concrete placer. p. 11.
Chkhetidze, G. - Pile supports for partitions. p. 11.
Smastin, V. - Roller for painting panels. p. 11.
Portable pump. p. 11.
Dmitriev, N. - Machine tool for working sheet iron. p. 14.
Preparing for October in Krasnodar, in the Maritime Territory, in Kiev, in Polotsk. p. 14.
Filina, T. - Instruments and equipment at the Exhibition of the Achievements of the National Economy of the U.S.S.R. p. 22.
Mitin, S. - Concerning the rights and obligations of section efficiency experts (draft regulations). p. 27.
Oboimov, A. - Accurately determine the obligations of efficiency experts. p. 30.
Chkheidze, G. - Main task is labor management. p. 30.
Erokhin, A. - Establishing the volume of work done by efficiency experts. p. 30.
Borisov, V. - Great responsibility. p. 30.
Zhigas, V. - Regulations for efficiency experts are necessary. p. 30.
What to read. p. 31.
Brief news. p. 31.

STROITEL'NYE MATERIALY [BUILDING MATERIALS]. Organ of Gosudarstvennyi komitet po promyshlennosti stroitel'nykh materialov pri Gosstroe SSSR [State Committee for the Building Materials Industry, Attached to the State Committee for Construction in the U.S.S.R.]. Moscow, vol. 9, no. 7, July 1963.

Table of contents translated:

August 11 is Builder's Day. p. 1.
Fedynin, N.I. - Utilization of the ashes of heat and electric power plants and metallurgical slag in Kuznetsk Basin construction. p. 2.
Rozovskii, L.D., Repin, A.A. - Efficient technology of the production of cast slag tiles. p. 4.
Pereletov, I.I. - Calculating the technological parameters of the pore-forming process for slag melts involving the use of pulverized limestone. p. 6.
Lebedev, V.P. - Obtaining keramzit sand by crushing gravel in S-590 and S-379 crushers. p. 8.
Petrov, L.K., Iskovich, S.M., Shubin, M.I. - Porous-slotted ceramic bricks and products made from them. p. 9.
Bubis, Iu.V., Zon, V.M. - Use of arc screens for the classification of sand and gravel materials. p. 11
Gubenko, A.B., Koval'chuk, L.M., Paturcev, B.B. - Preparation and application of glues while gluing structural elements. p. 13.
Berezin, D.V., Galaktionov, V.I. - Influence of the forms of aggregates upon the strength of concretes and mortars. p. 15.

Mel'tser, G. V. - Sommerfeld-blowing method of production of mineral-cotton products on a mineral-wool base. p. 1.

Tepenitsyn, V. V. - Joint thermal operation of ovens and dryers for tiles. p. 24.

Gerashkovich, B. M. - Portable conical consistometer. p. 24.

Shmurun, I. R. - SM-823 (PK"-34A) electrical tool. p. 24.

Sus, I. I. - Method of restoring flues. p. 25.

Zaporozhets, I. M., Trushchelev, A. I. - Modernization of the 1531N coupling forming machine. p. 26.

Kutateladze, K. S., Chkhikvadze, I. I. - Possibility of producing chemical-proof products from lime-pozzolan cement. p. 27.

Budnikov, P. P., Zil'bershtein, P. M. - Perlite as an active mineral additive. p. 29.

Sokolov, I. A. A., Bul'shokhin, V. P., Likopasov, T. S. - Coloring salt spots on fired ceramic products. p. 31.

Shchedrin, Yu. I., Shcheglova, V. P. - Gypsum perforated slabs for soundproofing premises. p. 33.

Ushkov, F. V., Khuan Fu-Chi, [Huang Fu-ch'ih] - New method of determining the thermal gradient coefficient of moisture transport in building materials. p. 35.

Lifshits, A. V. - High-speed method of kilning ceramic materials. p. 37.

Trofimenko, V. L. - New production of brick factories. p. 40.

Lotkin, M. G. - Production of natural stone wall materials and light aggregates. p. 41.

New books published by the State Construction Publishing House. p. 42.

Vol. 9, no. 10, Oct. 1963.

Table of contents translated.

Progressive practice is our great wealth. p. 1.

Survey of the fulfillment of the plan by the building materials industry. p. 3.

Davydova, F. L., and others - One and a half times more pipes from the same raw material. p. 5.

Sarmeli, D. D. - Practicable possibilities of nonmetal roofing enterprises. p. 7.

Dunn, A. I. - Wastes of rock products are a powerful source for increasing the production of aggregates. p. 10.

Boichuk, I. N., Sobol', D. I. - Resources of stone crushing plants. p. 12.

Butsal, A. I., Gaidukov, E. E. - Effective means of lowering the oversize yield in limestone quarries. p. 14.

Papurigopulo, S. V., Shizhevskii, M. F. - Present state and perspectives of the growth of the production of polymer floor materials. p. 17.

Belova, A. P., and others. - Multilayered polyvinyl chloride linoleum. p. 20.

Berlin, L. E., Mirkin, R. D., Sazonov, S. G. - Mastics for sealing joints of exterior wall panels. p. 22.

Epifanovskii, S. G., Krzheminskii, S. A., Muromskii, P. G. - Technical policy in the lime industry. p. 24.

Susnikov, A. A., Guzenko, N. I., Iakobson, E. E. - New developments in standard designing. p. 27.

State Committee for the building materials industry. p. 28.

Protas, L. E. - Production of keramzit with a wet preparation of raw materials. p. 30.

Ruzman, T. A. - Polishing the surface of air-entrained concrete. p. 34.

Sokolov, N. I. - New equipment for preparing keramzit granules. p. 35.

Sukhov, G. N. - Study of the deformations of lime concrete in autoclave processing. p. 36.

Arben'ev, A. S. - Electric curing of a mixture and strength of concretes. p. 39.

STROITEL'STVO TRUBOPROVODOV [PIPELINE CONSTRUCTION]. Issued by Glavnoe upravlenie gazovoi promyshlennosti pri Sovete Ministrov SSSR [Main Administration of the Gas Industry, Attached to the Council of Ministers of the U. S. S. R.] Moscow, vol. 8, no. 8, Aug. 1963.

Table of contents translated

Builder's Day. p. 1.

Prepare in good time for the work of the fall and winter seasons. p. 3.

Telegin, L. G. - Change the quality evaluation of welded joints of pipelines. p. 5.

Troitskii, E. V. - Design for an open compressor shop. p. 8.

Kotik, V. G., Glazov, N. P. - Determination of the optimal distance between the pipeline and the anodic grounding. p. 10.

Lipovich, A. L., Dudoladov, Iu. A. - Moment of load and inherent stability of pipe laying cranes. p. 12.

Kirillov, A. A., Sinlakov, V. K., Davydov, Iu. S. - Determining the slope of embankments of underwater pipeline trenches in loose soils. p. 14.

Gaidar, A. I. - Mechanism for boring holes in frozen ground. p. 17.

Alimov, O. D., and others. - Trenching in frozen ground with earth cutting machines and excavators. p. 18.

Serafimovich, V. B. - Underwater repair of the pipeline insulation using a polymeric coating. p. 20.

Nurmanov, A. A. - Expediency of installing additional gas-distributing substations. p. 21.

Vostrov, V. M. - Small machinery for pipeline work. p. 22.

Detachable jig for centering and fixing columns during the erection of reinforced concrete tanks. p. 23.

Using a pipe-layer with a grated crane arm and ogee during the erection of tanks. p. 24.

Detkov, G. S. - Economic efficiency of enameling steel pipes. p. 25.

Pokonov, N. Z. - Design of ATD electric motors. p. 27.

Steshenko, N. N. - Installation of ATD electric motors. p. 28.

Shcheblin, I. - Increase the level of specialization of communication lines construction departments. p. 31.

Ostpenko, V. P. - The AEGP2A mobile two-position welding unit. p. 32.

Smirnov, K. K. - Unsuccessful book. p. 33.

Vol. 8, no. 9, Sep. 1963.

Table of contents translated

Kallagin, A. M. - ER-10 wheel excavator for trenching frozen and rocky ground. p. 1.

Smituk, L. F. - Particulars for transporting pipes and other loads under winter conditions. p. 3.

Levantin, M. L. - Preparation for fall and winter construction work of compressor stations. p. 4.

Pokrovskii, V. V. - Machines for work in the winter. p. 4.

Mikhel'son, A. V. - Using salt additives in concrete and earth work conducted in the winter. p. 5.

Maslov, L. S. - Removal of water and air from pipelines at the moment of starting. p. 6.

Bunchuk, V. A. - Equipment of sunk reinforced concrete tanks in seismic regions. p. 7.

Panfilov, D. F. - Testing the strength of ice in lowering pipes from an ice sheet. p. 10.

TSipurskii, I. L. - Determining tractive forces of a trench digger for digging narrow trenches. p. 13.

Zinevich, A. M. - Properties of protective coatings made from powdered plastics. p. 16.

Denisov, L. A., Kozlov, V. S. - Determining the magnetization force necessary for magnetographic control. p. 19.

Logachev, I. A. - Assembly of mine drain pipes. p. 21.

Shatskii, A. S. - Using wheel excavators for digging trenches in the Ust-Urt. p. 23.

Savel'ev, N. V. - Experiment in operations and production planning in Construction and Installation Administration, No. 11, of the Ukrainian Trust for the Building of Petroleum and Gas Storage Units and other Petroleum Industry Facilities. p. 24.

Drier for pipes. p. 25.

Steel outlet pipes for cleaning machines. p. 25.

Device for preserving the stability of insulating machines. p. 26.

New design of shells for trenchless pipelaying. p. 27.

Krivosheenko, G. K. - Guaranteed efficiency of machines in a permafrost region. p. 27.

Shrage, L. IA. - Safety measures in the construction of urban gas mains. p. 30.

Talashchenko, A. F. - Butt welding of pipes for fluids. p. 32.

Kuvichko, N. M. - Let's revise current prices for insulation work and the laying of shells. p. 36.

Apparatus for detecting pipelines. p. 38.

Original detector. p. 38.

TRANSPORTNOE STROITEL'STVO [CONSTRUCTION FOR THE TRANSPORTATION INDUSTRY]. Organ of Ministerstvo transportnogo stroitel'stva SSSR [Ministry of Construction for the Transportation Industry of the U. S. S. R.]. Moscow, vol. 12, no. 3, Mar. 1962

Table of contents translated.

Golubovskii, V. V. - Lenin's Communist Youth Brigade at construction projects for the transportation industry. p. 1.

Results of socialist competition among construction workers employed by the transportation industry. p. 3.

Gavrilova, I. G. - I am constantly improving my skills. p. 5.

Babanskaia, M. V. - We mastered allied occupational skills. p. 6.

Donets, Iu. L. - Work organization in electrification of the railroads of Siberia. p. 7.

Khromov, Iu. I. - Efficient methods of compacting railroad embankments. p. 10.

Nazarov, N. E. - New system for calculating the work of motor transport and earth-working machinery. p. 11.

Chizhov, A. T. - Replacing one-piece timbers. p. 12.

Arkhangel'skii, G. K. - Manufacture of reinforced concrete elements using production-line techniques. p. 14.

Moiseev, A. V. - Use of drilled piles with an enlarged base. p. 18.

Zhukov, A. I. - Manufacture of [illegible] forced concrete culverts with [illegible] p. 19.

Karasev, N. F. - Construction of [illegible] sections. p. 22.

Krasov, N. V., Khachatrikh, G. D. - [illegible] assembly of precast slipways [illegible] p. 26.

Mel'nikov, V. P., and others. - [illegible] quality equipment to the reinforced [illegible] products plants. p. 30.

Gil'man, M. G., Mikhailov, V. I. - [illegible] efficiency promoters. p. 31.

Rozit, V. R. - Electric impulse machine [illegible] facing parts being reconditioned. p. 32.

Kovalenko, N. F. - Devices for [illegible] p. 36.

Aibulatova, V. T., and others. - [illegible] productive expenditures [illegible] for lowering costs. p. 40.

Rusakov, I. M. - A technical and [illegible] of the formwork used in the manufacture of reinforced concrete blocks. p. 40.

Liulin, N. D. - Technical specifications [illegible] sign of bridges and pipes. p. 41.

Zhdanov, A. M. - Comparison of variants [illegible] lizing the sea shore with jetties [illegible] p. 45.

Roshchupkin, D. V. - Hydraulic [illegible] being taken in by floating suction [illegible]

Kostiaev, P. S. - Examination of [illegible] structures being used. p. 49.

Volik, A. G., Petrenko, I. P. - Anchor [illegible] with piling. p. 52.

Vol'skii, I. S. - Universal automatic [illegible]

Shilsman, S. O., Pekarskii, V. D. - [illegible] buildings in the winter. p. 54.

Efficiency promoters suggest ... p. 54.

Chukan, B. K. - Stabilizing concrete [illegible] p. 56.

Mikul'skii, V. G. - Automobile transport [illegible] Canal. p. 57.

We answer readers' questions. p. 60.

Dzlum', V. K., Logakin, S. I., Vol'pert, [illegible] write to us. p. 61.

Brief news. p. 62.

*TSEMENT [CEMENT]. Organ of Gosudarstvennyi komitet po promyshlennosti stroitel'nykh materialov pri Gosstroe SSSR [State Committee for the Materials Industry, Attached to the State Committee for Construction in the U. S. S. R.]. Moscow, no. 4, July-Aug. 1963

Table of contents translated

Decisive factor in technical progress. p. 1.

Zubchenok, M. P. - Utilize the [illegible] more effectively. p. 3.

Kritskii, E. L., Minster, M. M. - [illegible] devices for controlling the level of [illegible] p. 4.

Uzhov, V. N. - Improve the studies and [illegible] of dust collecting equipment. p. 5.

Syrkin, IA. M., Vishnlakova, R. N. - [illegible] for extra-deep wells. p. 7.

Arutiunov, S. M., Shenker, S. I., Zhitkov, [illegible] Pay more attention to the mechanization of ancillary operations. p. 10.

Bogdanova, I. V. - Photometric determination of magnesium in raw materials and [illegible]

Manzhurnet, V. V., Pashchenko, A. A., and [illegible] N. P. - Investigating the properties of [illegible] with the GKZh-94 waterproofing [illegible] liquid. p. 13.

Savel'ev, A. S. - New types of electrode [illegible] static precipitators. p. 15.

Kizner, A. S. - Production of high strength [illegible] p. 16.

Tumanov, A. D. - Mechanization of [illegible] processes. p. 18.

Kirillov, IU. D., Pichkan', N. IA. - [illegible] ing the cost of cement. p. 18.

Lizunov, L. A. - Grinding bodies made [illegible] strength cast iron. p. 19.

Ermakova, V. A. - Fast method of determining [illegible] quality of plugging cement. p. 20.

Deshko, IU. I. - Development of dimensions [illegible] rotary kilns. p. 20.

Perli, S. B., Marokhin, V. M. - Technological [illegible] tion. p. 22.

Information and brief news. p. 23.

From the pages of foreign magazines. p. 24.

Vol. 29, no. 5, Sep.-Oct. 1963.

Table of contents translated.

Semendiaev, A. F. - Expand the use of [illegible] national economy. p. 1.

Grokhotov, N. V., Klopotov, V. A. - Using [illegible] from other branches of industry. p. 3.

Il'in, S. I., Vezlomtsev, V. I. - Planning the [illegible] tion and use of cement taking into account [illegible] quality. p. 5.

Chernykh, V. F., and others. - Effect of [illegible] the mineral-forming process and hydration of calcium silicates. p. 7.

L'vina, N V., and others. - Durability of lining of rotary kilns in 1962. p. 9.
Lashchenko, V. A. - Chemical method of determining the activity of cement. p. 11.
Kurnetsova, T. V., Soboleva, K. L. - Effect of iron oxides in clinkers upon the strength of cement during steaming. p. 14.
Kirillov, IU. D., Kunnets, M G. - Extra-quick-hardening cement. p. 15.
Zolotopup, A. A. - Experiment in reconstructing rotary kilns. p. 16.
Vdovin, M. E. - General automatic control of electric filters. p. 17.
Filippov, N. I. - Bunkerless loading of cement into lorries. p. 19.
Orlov, V. I. - Methods of raising the productivity of cement mills. p. 20.
Fomitykh, G. V. - Technical consultation. p. 21.
Information. Brief news. p. 21.
Kachanova, E. - From the pages of foreign magazines p. 23.
Volkonskii, B. V. - Reviews and bibliography. p. 23.

VLADIVOSTOK. DAL'NEVOSTOCHNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PO STROITEL'STVU. Sbornik nauchnykh rabot [FAR EASTERN SCIENTIFIC RESEARCH INSTITUTE FOR CONSTRUCTION Papers]. No. 1, 1961.

Table of contents translated:
Foreword. p. 3.
Gorlanov, A. S., Rusinov, I. A. - Testing and strengthening reinforced concrete beamless coverings. p. 5.
Shorstiuk, V. N. - Effect of two arcs in one bath on the shape of the bath and the stability of the process of twin arc welding. p. 19.
Voliter, A. G. - Protecting wooden automobile bridges from rotting in order to lengthen their life. p. 31.
Stotsenko, A. V. - Climatology and its significance in the construction industry. p. 37.
Dement'ev, A. I. - The object of studying geocryology and its connection with practical work. p. 45.
Kalinin, N. A. - Conditions and experience in construction work in the Ural region. p. 49.
Dement'ev, A. I - Practical significance of climatic factors and some deficiencies in meteorological observations in the northern U. S. S. R. p. 71.
Litskevich, V. K. - Public housing and climatological peculiarities of the southern part of the Far East. p. 75.
TSvid, A. A. - Freezing of subfluvial talik in frozen dams. p. 87.
TSvid, A. A. - Freezing of a frost dam from the dry slope side. p. 93.
Chernenko, V. G. - Agricultural characteristics of irregular runoff of Far Eastern rivers. p. 105.
Klimenkov, A. F. - Discharge capacity of riverbeds in the southern Far East. p. 145.
Piskun, V. M. - Water-balancing investigations in the drainage system in the Maritime Territory. p. 161.
Sadulaiev, M. B. - Hydrological bases of designing small hydroelectric stations in the southern part of the Far East. p. 179.
Syroezhin, M. I. - Precast reinforced concrete and method of standardizing hydroelectric power stations. p. 209.
Koshkareva, L. D. - Downpours and initial parameters for calculating torrential flow in Khabarovsk Territory and Amur Province. p. 217.
Samokhvalov, V. A. - "Kanmon" railless tunnel between Honshu and Kyushu in Japan. p. 245.
Fetisov, V. G. - Calculating the stability of stripping benches during open pit working of coal deposits. p. 251.
Adamchik, K. A. - Local cements from industrial wastes. p. 257.
Adamchik, K. A. - Study of volcanic glass in the Far East. p. 275.
Oranskii, N. I. - Chemical raw materials from rhabdopleite. p. 297.

ZHILISHCHNO-KOMMUNAL'NOE KHOZIAISTVO [HOUSING AND COMMUNAL SERVICES]. Issued by Ministerstvo kommunal'nogo khoziaistva RSFSR and TsK Profsoiuza rabochikh mestnoi promyshlennosti i kommunal'nogo khoziaistva [Ministry of Communal Economy of the R. S. F. S. R. and the Central Committee of the Trade Union of Workers of Local Industries and Communal Economy]. Moscow, vol. 11, no. 12, Dec, 1961.

Table of contents translated:
Preface: Take care of public housing. p. 1.
IAroshchuk, E. E. - Broad horizons. p. 3.
Khrustalev, M. V. - Everything for mankind. p. 4.
Vlasenko, G. A. - Village or city? p. 4.
Zakharov, N. I. - Only one boss in the city. p. 5.
Trofimov, G. - Housing in Estonia is on the increase. p. 6.
Kublitsev, G. - Concern about dwellings is concern about people. p. 8.
Sinitsyn, A. - Descriptive examples of striving for technical progress. p. 9.
Orlov, V. - Right where you live... p. 11
Khrenov, G. - Volunteer councils for the improvement of public areas and services. p. 12.
Volkov, V. - We enliven the work of the inspection posts p. 13.
Where labor safety is forgotten. p. 14.
Nalbandov, B - Mechanization of the removal of rubbish from construction. p. 15.
Denisov, V., Orekhov, O. - Machine for removing snow. pp. 16, 21.
Insert. p. 17.
Sosnin, IU. - Changing local hot-water heating over to gas fuel. p. 21.
Kiutegorov, IU. - It's time to put an end to dumps! p. 23.
Smirnov, B. - New standard specifications for cast iron manhole covers for inspection shafts. p. 24
Petrov, E. - "Rigas Ekspresis" to the rescue. p. 25.
Offended passengers and homeless trolleys p. 27
We answer your questions. p. 28
Popov, V. - Increasing the period between inspections for trolley buses. p. 29.
Kshondzer, G. - Automatic welding of gas pipes. p. 30.
Mednis, IA. - Attachment for the "Malysh-1" crane. p. 32.
Smirnov, V., Rodionov, B. - Methods of calculating gas consumption without meters. p. 32.
Ivanov, N. - Thermite welding of the joints of grounding devices. p. 34.
Romanenko, P. - How to make your own hairdo. p. 35.

ELECTRICAL ENGINEERING

AKADEMIIA NAUK SSSR. Izvestiia Tekhnicheskaia kibernetika [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin Engineering Cybernetics] Moscow, no. 4, July-Aug. 1963.

Table of contents translated:
Evreinov, E. V., Kosarev, IU G - Computer systems with high productive capacity p. 3.
Bruevich, N G. - Elements of the synthesis of the control devices of electronic digital computers p. 26
Chernetskii, V I - Technical and economic approach to the choice of the principal parameters of new automatic control means p. 44.
Feigin, L I. - Multioperational systems and finite automata. p 56
Pospelov, G S, Telman, A I. - Automation of control processes in the development of large systems of complex projects p 60.
Siforov, V. I. - Maximum amount of information from a receding source. p. 80.
Sedlakin, N. M. - Theory of the coincidence of impulses of dependent flows. p. 84.
Kolomaev, V A - Statistical control of the dimensions of serially manufactured items p 94
Krapivin, V. F - Control of the random straying of an automaton with presence of internal noises p 100
Rotkop, L L - Methods for studying relay-type statistical automata in the presence of stochastic disturbances. p. 107.
Mokhov, V M, Tarasenko, V P. - Effect of interference on step-by-step type optimalizing systems with sequential analyzers. p 115.
Álimov, IU. I., Obabkov, V. K. - Approximate calculation of high-speed automatic parameter optimizing systems with almost periodic test and search signals. p. 127.
Lur'e, A. I. - Minimal quadratic criterion of the quality of a regulated system. p. 140.
Savvin, A. B - Fastest possible extraction of a mapping point beyond the bounds of the given region of the phase plane. p. 147.
Gershchenko, E. I. - Stability of motion in a hyperplane of slip for certain automatic control systems with variable structures. p. 157.
Emel'ianov, S V., Taran, V. A. - Addition to E. I Gerashchenko's article. p. 164.
TSvetkov, V. I. - Amplitude-frequency transfer function of a relay-type executive mechanism with a motor having independent excitation. p. 165
Mikhailov, F. A. - Method for analyzing the stability of the oscillations of linear systems with variable parameters. p. 171.
Chinaev, P I. - Some problems of the theory of invariancy in multidimensional automatic control systems. p. 180.
Andreev, V. D. - Determination of optimum parameters of radially-slotted shutters in display systems of luminous objects. p. 184.
Moiseev, IU. N. - Variational problem on the dynamics of flight. p. 196
Vainshtein, G G., Svechinskii, V. B - Theory of a generator of random numbers. p. 202.

ATOMNAIA TEKHNIKA ZA RUBEZHOM [NUCLEAR ENGINEERING ABROAD] Issued by Gosudarstvennyi komitet po ispol'zovaniiu atomnoi energii SSSR [State Committee for the Utilization of Atomic Energy in the U S S R.] Moscow, vol 7, nos 10-11, Oct - Nov. 1963.

*AVTOMATIKA I TELEMEKHANIKA [AUTOMATIC AND REMOTE CONTROL] Issued by Institut avtomatiki i telemekhaniki Akademii nauk SSSR [Institute of Automatic and Remote Control of the Academy of Sciences of the U S S R.] Moscow, vol, 24, no 10, Oct 1963.

Table of contents translated.
Gorban', A. V. - Problem of synthesis of controlled systems, p. 1297.
Pyshkin, I. V. - Accurate method for calculating the transients and stability of sampled-data systems with finite data registration time. p. 1303.
Perel'man, I. I. - Control optimization based on maximum similitude criteria. p. 1317.
Synthesis of an optimum filter for signals changing statistical properties at successive time intervals. p. 1330.
Maslov, E. P. - Application of the theory of statistical solutions of problems of the evaluation of the parameters of an object. p. 1338.
Migulin, I. N. - Quasicorrelation method for analyzing transients in linear systems. p. 1351.
Benin, V. L., Kizilov, V. U. - Transistorized multiplier-divider. p. 1360.
Nagornyi, L. IA. - Change of transfer coefficients according to the voltage and current of a four-terminal network with variation of two parameters of circuit elements. p. 1365.
Volkonskii, V. A., Nemirovskii, A. S. - Methodical error of a multiplier-divider with discrete action. p. 1373.
Il'inskii, N. F. - Dynamics of frequency converters using transistor and ferrite elements. p. 1380.
Baglai, R. D. - DC amplifier with wide frequency conversion range. p. 1387.
Negnevitskii, S. B. - Integrating magnetic amplifier with large time constant. p. 1397.
Lipman, R. A. - Hysteresis-type storage counter. p. 1405.
Kondrashikhin, V. T. - Diagram for the determination of the mean square error and choice of averaging time of a stationary random process. p. 1414.
Ivanitskii, G. R., Orlovskii, G. N. - Direct input of information on microscopic objects into a computer. p. 1416.
Viktorov, V. A., Palevich, L. G. - Optimalizing endovibration level gage. p. 1422.
Tenenbaum, L. A. - Recently developed electro-pneumatic transformers and positioners. p. 1427.

AVTOMATIKA, TELEMEKHANIKA I SVIAZ' [AUTOMATIC CONTROL, REMOTE CONTROL, AND COMMUNICATIONS] Organ of Ministerstvo putei soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.] Moscow, vol. 7, no. 10, Oct. 1963.

Table of contents translated
Semenov, N M. - Decisions of the June Plenum of the Central Committee of the CPSU and objectives of the communication workers p. 1.
Buzo, N. A - Most advanced techniques should be used in servicing centralized traffic control systems. p. 4.
Maksimenko, I. I. - Try to equal the most progressive workers. p. 7.
Bunin, D. A. - Long-distance railroad cable communication lines. p. 8.
Zhil'tsov, P. N. - BKSMSh-2 condenser block. p. 11.
Afanas'eva, S. I. - Automatic signaling devices for crossings. p. 12.
Kurgapkin, V. I. - Tone dial apparatus using transistor components. p. 16.
Zektser, D. M. - Determination of the reliability of centralized traffic control equipment and some prospects for its improvement. p. 19.
Kapusta, A. S., Rapota, L. M. - Choice of transistors for converter circuits. p. 21.
Afanas'ev, O. E. - Devote more attention to specialized control machines. p. 23.
Kosorotov, N. G. - A close-knit team of workers. p. 24.
Ivanov, K. N. - Stanislav Konotopchenko, an electrician. p. 26.
Khomiakov, B. F. - Experience in the construction of KBTsSh semiautomatic block systems. p. 28.
Shibaev, A. I. - Intermediate telegraph repeater. p. 31.
Kalugin, B. A. - Direct control battery has become unnecessary. p. 32.
Simakov, N. G. - Welding of connectors using a melting technique. p. 33.
Vlatkin, S P. - The switch lever arm closing system has become more reliable. p. 34.
TSigel'man, G. B. - Should ATA-57 telegraph stations be converted now? p. 35.
Gushchin, M. I. - A multivibrator instead of a buzzer. p. 36.
Nebrikh, N. S. - Operation of centralized traffic control devices in an a.c. railroad district. p. 37.

Mitiaev, N.I. - Police telephones for communication with power distribution dispatchers. p. 39
Fominykh, A.IA. - Change in the schematic for connecting VChPD-50 apparatus in an operator station. p. 40
Lukutin, V.I., Dzhemelinskii, A.I. - Discussion of the article "Instructions should be revised." p. 41.
Epshtin, M.A., and others - "Eliminate lack of personal responsibility in servicing automatic stop systems." p. 43.
Information. p. 46.

ELEKTRICHESKIE STANTSII [ELECTRIC POWER STATIONS]. Organ of Gosplan SSSR [State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 34, no. 8, Aug. 1963

Table of contents translated
Efimochkin, G.I. - Testing of steam-jet and water-jet ejectors. p. 2.
Peleshok, A.G., Ganshin, L.G., Birman, L.G. - Experience gained in the operation of the leading model of the BKZ 120-100 GM boiler. p. 4
Levit, G.T., and others - Burning of Ekibastuz coal in furnaces with hammer mills. p. 8.
Turkin, A.N. - Calculation of the effectiveness of measures undertaken in decreasing the expenditure of electric power in pumping machinery. p. 13.
Prokhorov, S.A. - Accelerated start of the VPT-50-3 turbine with steam heated flanges and ts.v.d. pins. p. 15.
Makhan'kov, G.N. - Automation of the improved system of terminal glands of LMZ high-pressure turbines. p. 20.
Bukhman, G.D. - Improvement of the thermal network of the VK-100-2(5) LMZ turbine. p. 22.
Barkan, IA.D., Markushevich, N.S. - Use of multi-scale gages for load distribution between units of thermal electric power plants. p. 25.
Surnaev, A.P., Povarov, P.A. - Flushing and blow-out of pipelines after installation. p. 28.
Lipunov, A.D. - Use of group excitation regulation of generators in the Kakhovsk Hydroelectric Power Station. p. 36.
Gornshtein, V.M. - Problem of rates and peak power loads in electrical systems. p. 40.
Artem'ev, D.E., Kruzhanovskii, V.V. - Prospects of using a commutating discharger with air arc quenching. p. 45.
Karpenskii, A.K., Sternin, V.G., Shmukler, I.Z. - Groupings of current limiting reactors. p. 54.
Labzin, N.N., Baranov, R.A. - Contactless TMT-1 and TST-1 remote control and signaling devices. p. 58.
Mel'nikov, G.D., Sokol, I.A. - Recording device with magnetic memory. p. 61.
Khefets, S.I. - Registering device with magnetic memory. p. 62.
Vinogradov, G.T. - Use of gantry cranes with 20-ton capacity for hoisting loads up to 30 tons. p. 65.
Savogin, N.A., Osinenko, V.A., Germanov, A.P. - Asynchronous mode of operation of a TV2-150-2 turbogenerator and its connection in a power distribution network using a self-synchronization technique. p. 66.
Ufimtsev, A.M. - Results of testing TVF-200-2 turbogenerators. p. 67.
Korablev, A.A. - Inductive device for signaling drainage in an adjacent cellar. p. 69.
Tolegin, L.L. - Efficient load distribution between turbines. p. 70.
Ibragimov, I.A., Kuliev, G.R. - Repair of some sections of the KSV-37500-11 synchronous compensator. p. 70.
Pastov, B.K. - Improvement in the reliability of *VVN-220 air switches.* p. 72.
Ponomarev, P.M., Shmarovoz, V.I. - Tests in the maintenance of 110 kv. overhead power transmission lines with two-circuit single poles. p. 73.
Zaporozhets, B.I. - Concerning the structure of an electric utility district. p. 74.
Tavkhelidze, N.N. - New deep-set foundation for power transmission line towers in a floodplain. p. 75.
Dubrovskii, N.M., Neshta, G.F. - Lashing of the wires of an overhead power transmission line. p. 76.
Mosolov, V.N. - Automatic voltage regulation in a d.c. busbar system. p. 78.
Meshcheriakov, M.M. - Conversion of a high-frequency communication channel p. 79.
Shitsman, S.E. - Concerning the article "Methodology for normalizing and accounting for the technological and economic indices of thermal electric power plants." p. 80.
Gorovenko, I.E. - Concerning F.I. Sin'chugov's article "Use of doubled reactors in step-down substations." p. 83.
Sin'chugov, F.I. - Author's reply. p. 85.
Uspenskii, B.S. - Concerning L.I. Dvoskin's reply. p. 87.
Belousov, IU.F., Mendelevich, G.Sh. - Concerning A.P. Korshunov's article "Design of economical grounding systems for rural power distribution networks." p. 87
Korshunov, A.P. - Author's reply. p. 88.
Prevention of leakage from ceramic storage battery containers p. 90.
Manufacture of plastic cover-inserts for lining storage battery containers p. 90
Concerning the approval of "Instructions for work on operating 35 to 220 kv. and 6 to 10 kv. power transmission lines." p. 91.
Prevention of unbalanced operation of power blocks during partial-phase disconnection of switches. p. 91.
Meeting of several branches of industry on problems in the construction of power machinery. p. 92.
Shpeer, M.G. - Conference on the operation of municipal central heating networks. p. 94.
Mamontov, M.S., Simonov, I.A. - "History of the electrification of the U.S.S.R." by D.G. Zhimerin. p. 95.
Zhilin, V.G. - "Draft and blast in thermal electric power plants" by L.A. Rikhter. p. 96.

*ELEKTRICHESTVO [ELECTRICITY] Organ of Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 10 Oct. 1963.

Table of contents translated
Pukhov, G.E. - Direct method for calculating electrical networks. p. 1.
Sokolov, N.I., Gurevich, IU.E., Khvoshchinskaia, Z.G. - Use of analog computers in studying the parallel operation of large turbogenerators. p. 5.
Kazovskii, E.IA., Rogozin, G.G. - Experimental determination of the frequency characteristics of turbogenerators. p. 14.
Kashtelian, V.E., Glebov, I.A., Gertsenberg, G.R. - Effectiveness of the high-speed action of the excitation systems and conditions of automatic voltage regulation of large turbogenerators. p. 22.
Adamenko, A.I. - Overload capacity of single-phase capacitor motors. p. 32.
Mastiaev, N.Z., Orlov, I.N. - Some problems concerning the design of a hysteresis motor. p. 39.
Urin, V.D. - Negative feedback in magnetic amplifiers p. 46.
Malkina, O.G. - Use of magnetically coupled circuits for measuring small impedances p. 52.
Drobiazko, S.F., IUdin, K.M., Matsko, B.N. - Stable breaking conditions of electric diesel locomotives. p. 54.
Ivanov, V.I., Stepnov, T.V. - Transient currents during single-phase short circuits to ground and operation of the grounding protection system. p. 57.
IUrenkov, V.D. - Substations with inductive voltage dividers p. 61.
Leites, L.V. - Special features of the design of large reactors for short-term duration operation. p. 67.
Mogilevskii, V.G., Sud, I.I., Shturman, L.I. - Electromagnetic powder brakes for drilling winches. p. 70.
Rips, IA.A. - Best form for bimetallic elements in thermal protection and automatic control apparatus. p. 75.
Grinshtein, V.I., Rakhmanov, I.A. - Transistorized current balance relay. p. 78.
Contents and presentation of a course in "Theoretical principles of electrical engineering." p. 80.
Khmelevskii, V.S. - Application of the theoretical principles of electrical engineering in the work of an industrial engineer. p. 80.
Kapliianskii, A.E., Lysenko, A.P., Polotovskii, L.S. - Tasks, structure, and method for presenting a course in "Theoretical principles of electrical engineering." p. 81.
Fedorova, I.A., Pospelov, G.E. - Some thoughts on the construction and outline of a course in "Theoretical principles of electrical engineering." p. 82.
Dolginov, A.I., Mel'nikov, N.A. - Present day requirements of a course in "Theoretical principles *of electrical engineering.*" p. 83.
Babis, R.S., and others. - Complex engineering and economic method for designing electric transformers. p. 85.
Tolstov, IU.G. - Some integral relationships in networks containing steel and rectifiers. p. 89.
Babakov, N.A., and others. - Academician B.N. Petrov, on his 50th birthday. p. 92.
Arkhipov, V.N., and others. - Professor G.V. Butkevich, on his 60th birthday. p. 92.
Arkhipov, V.N., and others. - Professor F.A. Gorinov, on his 60th birthday. p. 93.
Venikov, V.A., and others. - I.S. Bessmertnyi; on *his 60th birthday.* p. 93.
Lerner, M.M., Tarcev, B.M., IAmanova, L.V. - "Film capacitors with organic synthetic dielectric" by V.T. Renne. p. 94.
Kaganov, Z.G. - "Insulation of electrical machines and methods for testing it" by N.A. Kozyrev. p. 95.

No. 11, Nov. 1963

Table of contents translated:
Azar'ev, D.I., and others. - Fundamentals of the determination of power system stability p. 1.
Manoilov, V.E. - Study of the special features of the electrical conductivity of the human body. p. 9.
Kutsevalov, V.M. - Contactless synchronous motors with low and medium power ratings p. 13
Milovzorov, V.P., Volkov, N.I. - Three-phase voltage regulator with a wide range of regulation. p. 16
Zbrovskii, I.A. - Some problems concerning the dynamics and choice of the parameters of a phase compounding network of a synchronous motor p. 20
Rozenknop, M.P. - Location of short-circuits to ground using zero-sequence components in networks with different configuration p. 25.
Sokolov, M.M., Shinianskii, A.V., Masandilov, L.B. - Technological and economic basis for the application of induction motor drives with saturable reactor control in various fields. p. 31
Iliasov, V.A., Maksimov, IU.I. - Calculation of transients in self-excited synchronous generators with compounding p. 36
Shinkov, A.D. - Modeling of semiconductor devices *p. 40*
Kolobkov, D.S., Luzganov, V.N., Pinsker, A.P. - Origination of jumps in a circuit with nonlinear inductance p. 45
Gershtein, G.M., Salii, I.N. - Discrete approximation of a continuous function at the boundary of a region in electrical modeling. p. 47.
Lur'e, Z.IA., Teslenko, V.P. - Method for studying some automated multiple-motor electric drives. *p. 50*
Bezhanov, V.G., Vlasikov, I.L. - Methods for objective evaluation of the sparking of d.c. ma*chines* p. 53
Zalesskii, A.M., Poltev, A.I. - Electrical strength of some gases at increased pressures p. 57
Gershman, R.B., and others - Effect of a bend in electrical steel on its magnetic properties p. 62.
Baiko, V.F. - Effect of the shunting of the compensating winding on the dynamic properties of three-stage amplidyne amplifiers. p. 63.
Palastin, L.M. - Semigraphical method for determining the characteristics of idle operation of d.c. regulated machines with permanent magnets. p. 66
Tikhomirova, Z.T., Bukhgol'ts, V.P. - Calculation of the permeance of an inductive transducer with complex configuration. p. 72
Finger, L.M. - Voltage step-up in municipal power distribution networks, a survey of foreign literature p. 76.
Sin'chugov, F.I. - Concerning N.S. Shabalin's article "Overall automation and remote control in 35-110 kv power distribution substations. p. 80.
Shabalin, N.S. - Author's reply p. 83
Zeitlizon, E.D. - From the editor p. 85.
Gordenskii, S.N., and others - Professor G.I. Shturman, on his 60th birthday. p. 87.
Alekseenko, G.V., and others. - L.M. Shnilser; on his 75th birthday p. 87
Kamenskii, M.D., Aizenberg, B.L. - Review of S.D. Volobrinskii, M.V. Kudriavtsev, and V.N. Stepanov's book "Electrical networks and power systems." p. 88.
Zherve, G.K., Dombrovskii, V.V. - Review of B.N. Tardov's book "General geometry of the hydrogenerators of operational hydroelectric power stations" p. 90.

ELEKTROTEKHNIKA [ELECTRICAL ENGINEERING] Issued by Gosudarstvennyi komitet po elektrotekhnike pri Gosplane SSSR [State Committee for Electrical Engineering, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 34, no. 9, Sep. 1963.

Table of contents translated:
Iosif'ian, A. - Technological progress and problems of ideology. p. 1.
Mozalevskii, A.V. - Problems of low-voltage equipment manufacture. p. 3.
Kurbasov, A.S. - Criteria of the commutational strength of d.c. machines. p. 9.
Skobelev, V.E. - Special features of the commutation of traction motors fed by single-phase rectifiers. p. 12.
Fialkov, A.S., Vil'kin, M.A. - Study of a sliding contact during the operation of brushes on carbon-*graphite collectors.* p. 17.
Gluskin, A.IA., Bordachenkov, A.M., Stepanov, V.P. - Performance of the brush contact of electrical machines at increased current densities. p. 20.
IAkovenko, V.A. - Increase of the current density under the brushes of d.c. machines p. 25.
Vasil'ev, V.A. - Problems of designing electric traction motors for diesel locomotives. p. 28
Grishin, V.A. - Study of heat transfer in electrical machines using a new method. p. 31.
Blotskii, N.N., Shakarian, IU.G. - Comparison of excitation regulation laws of asynchronized synchronous machines in stabilized operation. p. 35.
Shchetinin, T.A. - Geometry of the magnetic systems of induction clutches and brakes. p. 40.
Lavrov, N.I. - System for forming and testing high-current mercury rectifiers with medium voltage rating. p. 44.

Sukharov, P. V. - Dependence of the principal dimensions of electrical apparatus on nominal current and voltage magnitudes p 52.
Lysov, N.E. - Resistance of circuit breaker contacts. p. 56.
Bachurin, N. I., Gordeev, S V. - Standardization and normal series of the principal parameters of high-voltage current transformers. p. 60
Krikunchik, A. B., Arkus, L. Z. - Concerning N I Bachurin and S V Gordeev's suggestions p 65
Dolgov, V M., Daletskii, G. S., Zaitseva, A K - Use of photoelectric converters for measuring the surface of plane figures with random profiles p 66
Perchanok, B Kh. - Dynamic balancing of units with combined supports p. 68.
Shkil'ko, G. IA., Sogin, G V. - Measurement of the torque of an asynchronous motor during the heating of the windings. p. 71.
Levin, V I. - Air gaps of asynchronous electric motors with water cooled stator hulls p 72
Krasnogolovyi, N. K., and others. - Suspension insulators for overhead power transmission lines. p. 73
Kissel', E. I - "Low power transformers" by R Kh Bal'ian p. 76.
Boguslavskii, P. S. - Exhibition of British electronic instruments. p 77.
Zubarev, D. I. - Session of the International Conference on Large Electric Systems. p 80

Vol. 34, no. 10, Oct. 1963.

Table of contents translated:

Iosif'ian, A. - New stage in the development of electrical engineering. p. 1.
Kuznetsov, V.I., Katson, V.D. - Increase in the switching capability and overvoltage limiting of 110 kv. oil-filled switches. p. 3.
Mel'kumov, A.M. - Small oil-filled switches p. 6
Puzyrilskii, G.S. - Construction of air switches. p. 10.
Fotin, A.A. - High-voltage switches for rural electric power distribution networks. p. 15.
Sysoev, M.I. - Prospects of using electron gas as insulation in high-voltage apparatus. p. 19.
Khchinshtein, E.S. - New design of drives for high-voltage switches. p. 22.
Chernyshev, N.M. - Performance of high-voltage switches in switching pumping currents in desynchronized systems. p. 25.
Bronfman, A.I., Krengauz, E.B. - Modernized magnetic-valve dischargers for 110-500 kv. voltages. p. 30.
Akodis, M.M., Maslennikov, D.S. - Increase in the power rating of systems for testing switches using synthetic circuits. p. 33.
Atafonov, G.E., Volovik, O.B. - Calculation of overvoltages in testing commutational capabilities of high-voltage apparatus with step-up transformers. p. 37.
Bron, O.B., Minasnikova, N.G. - Welding of electrical contactors during passage of large currents. p. 41.
Arutiunian, V.S. - Synchronous motor with nonsymmetrical damping system. p. 51.
Milovzorov, V.I. - Choke control of the speed of three-phase asynchronous motors. p. 56.
Mazila, L.V., Krylov, O.A. - Structural diagrams for mathematical modeling of stabilizing devices of electric drives. p. 61.
Kanter, I.I., Golembiovskii, IU.M., Mazin, B.A. - Three-phase bridge-type transistor frequency converter. p. 64.
Awarding of the participants of the Exhibition of the Achievements of the National Economy of the U.S.S.R. p. 69.
Pavlov, V.P. - Soviet electric welding devices at an international exhibition held in Great Britain. p. 71.
Vol'kenau, V.A. - Device for controlling and testing the elements of valve dischargers. p. 72.
Reshetnikov, V.E. - Calculation of electrodynamic forces in contactors. p. 74.
Trusova, V.N., Perfil'eva, S.A. - New designs of supporting rod insulators for outdoor use. p. 77.
Al'tgauzen, O.N. - "Magnetic properties of electrical steel" by V.V.Druzhinin. p. 79.
Zakrzhevskaia, Zh.G. - Plastics in electric machinery manufacture. p. 80.

ENERGETIK [ELECTRIC POWER TECHNICIAN]
Issued by Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR and TSentral'nyi komitet Profsoiuza rabochikh elektrostantsii i elektropromyshlennosti [State Committee for the Coordination of Research in the U.S.S.R. and the Central Committee of the Trade Union of Workers of Electric Power Stations and the Electrical Industry]. Moscow, vol. 11, no. 10, Oct. 1963.

Table of contents translated:

Doroshchuk, V.E. - Principal trends in the improvement of the efficiency of turbine systems. p. 1.
Lolelkin, V.P., TSirel', IA.A. - Water cooling of electric transformers. p. 5.
Rudenko, T P., Pashchenko, D.I. - Use of ammonium cation exchangers for the ammination of feed water. p. 10
Kukin, A.M. - Slotted ion exchange filter distribution device. p. 11.
Gochev, V.S., Molchadskii, M.T. - Improved system for introducing milk of lime into a clarifier. p. 13
Gorbenko, V.I., Gavrushchenkov, G.P. - Redesigning of the drop sprinkler of a cooling tower. p. 14
Blagikh, V.T. - Decrease in the temperature of water returning from heaters. p. 15.
Petukhov, D.F. - Modernization of a hydraulic system for the removal of Ekibastuz coal ash. p. 17
Balakhnichev, IU.S. - Increase in the operational reliability of the accumulator valves of 46GM steam pumps. p. 18
Smirnov, E.N. - Mechanical press for manufacturing packing gland rings for high-pressure equipment. p. 18.
Korntenko, V.G., Malinin, M.S. - Redesigning of the packing gland of the shaft of the PE-430-180 pump. p. 20.
Khazanov, M.E. - Use of threadless joints in connecting pipe fittings and pipe. p. 21.
Semchenko, I.M. - Portable hydraulic pipe bender with manual oil pump drive. p. 22.
Merzliakov, V.P., Ketegat, N.A. - Experience in operating the IZh-60 hardness meter in the Tyumen Thermal Electric Power Plant p. 22.
Marchenko, A.I. - Restoration of the operation of the wet air pump of the Gramm VI steam engine. p. 23.
Shtein, R.L., Salashenko, V.V. - Automation of a mazut pumping system. p. 24.
Kuznetsov, N.D. - Complete burning of fire wood in wood furnaces. p. 25.
Bundilovskii, L.I. - Remote control of an electric motor from two control posts using one line. p. 25.
Kisman, G.I. - Use of UVN-80 potential indicators on 6 to 10 kv. overhead power transmission lines. p. 26.
Kulikov, V.S. - Testing of auxiliary machines using a temporary power supply network. p. 27.
Safronii, E.P. - Mechanical twofold automatic reclosing with automatic deblocking. p. 28.
Gaiber, I.B. - Voltage indicator for electrical systems with voltage up to 500 volts using a cold-cathode thyratron. p. 29.
Popov, L.V., Serov, A.A. - Experience in using cables at 110 kv. potentials. p. 30.
Mandrykin, S.A. - Experience in using auxiliary equipment in the repair of electric motors. p. 34.
Gross, V.D. - Conversion of the FR-61-4 phase regulator. p. 37.
Kostin, V.I. - Rewinding of electromagnets to operate on different current. p. 37.
Dubinskii, V.IA. - Improved fastening of the blades of MTs-8 cooling fans. p. 38.
Kirillov, IU.A. - Prevention of steaming at boiler hatches. p. 39.
Through the pages of technical journals. p. 43.
Stoliarov, B.M. - Causes leading to decreased efficiency in the removal of free carbon dioxide from feed water at low values of bicarbonate alkalinity. p. 44.
Lindorf, L.S. - Choice of a reactor for starting a synchronous motor. p. 45.
Units for sectionalizing branched 10 kv. power transmission lines. p. 46.
Drives for regulating short-circuiting devices and separators. p. 46.
Nomenclature and characteristics of fittings and auxiliary equipment of boiler and fuel transportation departments of electric power plants manufactured by the Timir-Tau Foundry and Machinery Plant. p. 47.

Vol. 11, no. 11, Nov. 1963.

Table of contents translated:

Let's successfully complete the 1963 program. p. 1.
Lizinskaia, M.M. - Automation of thermal processes in electric power plants. p. 4.
Kozlov, V.A. - Special features of the construction and operation of semiclosed municipal power distribution networks. p. 8.
Novozhilov, IU.N. - Improvement of an air heating network in boiler heaters. p. 12.
Prozorov, L.F. - Automation of water emptying systems. p. 13.
Briukvin, V.A., Regentov, T.P. - Apparatus for electromagnetic treatment of water. p. 14.
Egorov, B.G. - Improvement of the operation of level measuring devices. p. 15.
Gorbenko, V.I. - Prevention of ice formation on water cooling towers. p. 16.
Naumov, B.K. - Damage of the water walls in a boiler. p. 17.
TSonis, D.T., Bogdan, A.M. - Rebuilding of the rotor shaft of an exhaust fan. p. 18.
Akhrameev, L.V. - Protection of water heating equipment using chlorinated fiber and mass. p. 19.
Kotsiubovskii, D.I. - Results of operating a substation with decentralized placement of secondary commutation equipment. p. 20.
Artamonova, E.P. - Timing device for testing transformer oil. p. 21.
Dubinskii, V.IA. - Electromagnetic blocking of the disconnector of an arc-quenching 35 kv. coil. p. 22.
Gertsev, A.I. - Construction of grounding stapes. p. 23.
Khachaturian, S.K. - Inbuilt transformer stations in municipal electric power distribution networks p. 23.
Palei, V.IA. - Redesigning of two-circuit reinforced concrete 110 kv. power transmission line poles. p. 25.
Epishin, V.F. - Portable machine for cutting wires and lines in the erection of overhead power transmission lines. p. 28.
Imbitskii, M.I. - Modern high-pressure steam and water equipment. p. 29.
Introduction of changes in "Safety engineering regulations for operating electrical systems of municipal power distribution networks." p. 37.
Klishin, I.A. - Efficiency expert and master of several professions p. 38.
Mikhalin, G.I. - Temperature of the cooling water discharged from a diesel engine. p. 39.
Shvets, G.V. - Concerning the consultation "Use of grounding conductors." p. 40.
Through the pages of technical magazines. p. 41.
In the Technical Council of the State Production Committee on Power Engineering and Electrification of the U.S.S.R. p. 43.
High-voltage apparatus manufactured by the "Elektroapparat" factory. p. 44.
Nomenclature on blowers and burners manufactured by the "Il'matine" factory in 1963. p. 46.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZVUKOZAPISI Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF SOUND RECORDING. Transactions] No. 10, 1962.

Table of contents translated:

Lazarev, V.I. - Development of instruments for measuring the time parameters of periodic signals. p. 3.
Lazarev, V.I., Vetshev, S.T. - Measurement of rotor oscillations in the motor of the heads block of a video tape recorder p. 18
Lishin, L.G. - System of low-frequency channels in the "Kadr" video tape recorder. p. 27.
Vasilevskii, D.P., Shleisner, R.R., Vioblovskii, A.A. - Contactless magnetic recording and reproduction. p. 41.
Ivanov, G.I., Lishin, L.G. - Automatic low-frequency gain control circuit using a transistor diode. p. 58.
Korol'kov, V.G. - Analysis of an automatic gain control network using a transistor diode. p. 65.
Korol'kov, V.G. - Time characteristics of a voltage doubling rectifier circuit. p. 71.
Korol'kov, V.G. - Mechanical contact of a magnetic tape with a pickup head. p. 76.
Mazo, IA.A. - Study of wire sound carriers. p. 81.
Mazo, IA.A. - Methods for measuring electroacoustical properties of wire sound carriers. p. 98.
Kalantarova, M.S. - Very strong base materials for magnetic tapes. p. 119.

RADIO. Organ of Ministerstvo sviazi SSSR and Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i floty [Ministry of Communication of the U.S.S.R. and of the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, no. 10, Oct. 1963.

Table of contents translated:

Preparations for the Spartakiada should be conducted in an exemplary fashion. p. 1.
Matlin, S. - Contribution of radio amateurs to technological progress. p. 3.
Belov, V. - As suggested by life. p. 4.
Kozlov, N. - Competitions of shortwave radio amateurs in Gomel'. p. 7.
Kazanskii, N. - Amateur radio competitions in the Spartakiada. p. 8.
Lykov, V. - Seminars for judges of amateur radio competitions. p. 10.
Kargopolov, T. - The R.S.F.S.R. championship in the all-around combined competitions. p. 11.
Nikolaev, K. - What the accounts indicate. p. 12.
Ultrashort radio waves. p. 14.
Short radio waves. p. 15.
From the editor's mail. p. 17.
Selin, L. - Simple signal generators for studying the Morse code. p. 19.
Lomanovich, V., Denkin, D. - Transmitter-receiver for operation on 430-440 mc. p. 21.
Fedorov, B. - Semiconductor lasers. p. 25.
Babakov, N., Bulgakov, V. - Modernization of temperature control devices. p. 27.
Klokov, S. - Device for checking and classifying resistors. p. 28.
Erkin, A. - Photoelectric relay using cold cathode thyratrons. p. 29.
Polikarpov, V. - A PTU-3 industrial television system for lecture demonstrations. p. 30.
Buchinskii, I. - Antenna for tropospheric television reception. p. 31.

Babkin, N. - Repaired by amateurs. p.34.
Sorochenko, R. - Increase in the distance of television signal reception. p 35.
Ivanov, V - Block-type superheterodyne receiver. p 36.
Felinzat, B. - Multiplication and division using linear potentiometers. p 39.
Mishin, A - Stabilizing action of diodes in charging and discharging networks. p.43.
Vasil'kevich, I. - Transistor low-frequency amplifiers. p.45.
Nogin, V., Usov, P. - Receivers with "earth" battery power supply. p.48.
Audio section of motion-picture films p 51.
Dodonov, E. - Voltage converter. p 54.
Lobachevskii, G - New measuring devices. p.55.
Reference sheet p.57.
Through the pages of foreign magazines. p 60.
Our consultations. p.62.
Exchange of experience. p 63.

REFERATIVNYI ZHURNAL: AVTOMATIKA, TELEMEKHANIKA I VYCHISLITEL'NAIA TEKHNIKA [JOURNAL OF ABSTRACTS AUTOMATIC CONTROL, REMOTE CONTROL, AND COMPUTER TECHNOLOGY] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U S S R] Moscow, nos 10-11, Oct -Nov. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Power Engineering] Moscow, vol 6, no 6, June 1963

Table of contents translated

Machinskii, M V. - Equivalent circuits as a means for simplifying the study of the static stability of a multiple-unit system. p.1.
Khe IAn-tszan', [He Yang-tsan]. - Approximate calculation of transients in electrical systems during the change in generator speed. p.7.
Maksimenko, N.N. - Sensitive directional protection system of radial compensated networks from short-circuits to ground p.12.
Makhmud Hegazi Salah. - Feasibility and expediency of using the magnetic resistance effect in relay protection systems p.17.
Bertsov, V.V., Dashuk, P.N., Lysakovskii, G.G. - Voltampere characteristics of a gliding discharge. p.24.
Naer, V.A., Semeniuk, V.A. - Effect of current pulsations on the characteristics of thermoelectrons of semiconductors in cooling and heating devices. p.31.
Volkov, I.V. - Conversion of a constant voltage source to a constant current source. p.37.
Andriev, A.F. - Consideration of the time factor on the choice of efficient electric power distribution networks. p 41.
Abdulrakhmanov, K.A. - Operation of asynchronous motors in mercury rectifier locomotives fed by traction substations. p.50.
Poniatov, V.A. - Calculation of the optimum temperature of the exhaust gases of steam and gas systems with high-pressure steam generators. p.57.
Oliker, I.I. -Study of a thermal water degassing process in a vacuum with bubbling of the water vapor. p.65.
Mikk, I.R. - Idealized two-dimensional problem of radiant heat exchange in screens. p.72.
Ershov, IU.G. - Optimum mode of drying tubular fiberboard. p.78.
[illegible] the accuracy of finite
[illegible] loment of re-
[illegible] vents. p.90.
[illegible] the runners of
[illegible] ties in the
[illegible] of water in-
[illegible] er period by
[illegible] tanks. p.115.
[illegible] al strength
[illegible] veitors.
[illegible] g the unit
[illegible] smission
[illegible] ng alterna-
[illegible] t supplying
[illegible] ,Pak's article
[illegible] blade channel
[illegible] chine." p.132.
[illegible] 3,

*RUSSIA (1923- U S S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, radiotekhnika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]. Moscow, vol 6, no 4, July-Aug 1963

Table of contents translated

Ardab'evskii, A.I., Chekan, A.V. - Optical masers. p.327.
Chilikin, M.G. - Use of technical means in teaching. p.357.
Glushkov, V.M - Some prospects of the development and use of teaching machines. p.365.
Rostunov, T.I. - Principal trends in the transition of the institutions of higher education to programmed teaching using teaching machines p.374.
Rumiantsev, M.V , Volkov, V.M., Levin, M.F. - Programmed teaching in radio engineering courses p.378
Rostunov, T.I., Sokolinskii, I.IA. - Classification, requirements, and structural principles of simple teaching machines. p.387.
Labets, K.S., and others - Some problems of teaching special technical courses by means of teaching machines. p.395.
Maksimovich, N.G., and others. - Choice of the structure of a testing machine. p.402
Netushil, A.V , and others. - Automatic devices for checking current progress of students p.408.
Maksimovich, N.G., and others. - Testing and teaching machine with a ramified program p.417.
Sokolinskii, I.IA., Mishchenko, I.M. - Teaching machine with a ramified program. p.425.
Mikhnushev, A.G., Sokolinskii, I.IA. - Teaching machine with automatic answers. p.435.
Serebrianskii, R.V. - Automatic machine for testing knowledge. p 440.
Volkov, V.M., Gazhienko, V.A., Kurilin, B.I. - Device for checking and self-testing of knowledge in programmed teaching. p.442.
Levin, M.F., Sokolov, L.S. - Device for teaching and control in solving radio receiver circuit problems. p.443
Trokhimenko, IA.K. - Control-type teaching automats. p.446.
Rzheiskii, N.N. - Means for constructing a controlling machine. p.448.
Anvel't, M.D. - Dissertations for the degree of candidate of technical sciences. p.450.

SVETOTEKHNIKA [LIGHTING ENGINEERING]. Organ of Gosudarstvennyi komitet po elektrotekhnike pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva energeticheskoi promyshlennosti [State Committee for Electrical Engineering, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Power Industry]. Moscow, vol.9, no.10, Oct 1963.

Table of contents translated

Ioffe, R.S., Shklover, D.A. - Color transmission and methods for measuring it. p.1.
IUstov, E.N., TSupko, O.A. - Calorimetric study of white substances. p.7.
Gutorov, M.M. - Average cylindrical illumination. p.10.
Sapozhnikov, R.A. - Calculation of the illuminance eminating from a rectangle of even brightness. p.13.
Nikitenko, IU.M., Rovinskii, R.E. - Increase in the life of DKSSh-1000 xenon lamps. p.16.
Kirsanov, V.P., Khoves, N.I. - Light characteristics of spherical impulse lamps operating with ignition repetition frequencies up to 10 kc. p.18.
Bykhovskaia, L.N., Libin, I.Sh., Charnaia, F.A. - Nitrogen impulse lamps. p.21.
Gavanin, V.A. - Light characteristics of selenium photocells with intermittent illumination. p.23.
Litvak, V.I. - Improved automatic system for regulating electric lighting in stairways. p.27.
Kliuev, S.A. - Data on new automatic button-type AV-2 switches. p.29.
Zil'bar, D.A., Temlit'ev, V.V. - Plenum of the lighting engineering section of the Central Committee of the Main Administration of the Scientific and Technical Society of the Power Industry. p.30.
Through the pages of foreign magazines. p.31.
Lukin, N.I., Petrova, E.S. - Selenium photocells with corrected spectral sensitivity. p.32.

V POMOSHCH' RADIOLIUBITELIU [A GUIDE FOR RADIO AMATEURS]. Issued by Vsesoiuznoe dobrovol'noe obshchestvo sodeistvila armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, no.14, 1963.

Table of contents translated:

Perelygin, A. - "TsS-2" and "TsS-3" pocket radios. p.3.
Bakashov, M. - Transistor audio generator. p.8.
Vishnevetskii, B. - Device for measuring the parameters of transistors. p.10.
Finevskii, O. - Universal voltmeter. p.27.
Bazilev, A. - Elimination of simplest faults in radio receivers. p.43.
Markosov, L. - Variable condenser of the "Primorets" pocket radio. p.63.

*VESTNIK SVIAZI [COMMUNICATION REVIEW] Issued by Ministerstvo sviazi SSSR and TSentral'nyi komitet Profsoiuza rabotnikov sviazi, rabochikh avtomobil'nogo transporta i shosseinykh dorog [Ministry of Communication of the U.S.S.R. and the Central Committee of the Trade Union of Communications Employees and Workers of Automotive Transportation and Highways]. Moscow, vol 23, no.8(281), Aug 1963

Table of contents translated.

We should inculcate love and respect for work. p.1.
Dobrovol'skii, E.E. - Radio and television are powerful weapons in the ideological work of the party. p.3.
Bykov, IA.I. - Ideological and educational work helps the development of communist labor. p.1.
Severin, A.M. - Adaptation of VS-3 multiplexing apparatus for operation in radio communication channels. p.5.
Kokhanova, Z.S. - Subscriber's marker identifier in a crossbar electronic telephone exchange. p.7.
Mel'nik, S.O. - Organization of local municipal phototelegraphy communications. p.10.
Gein, E.E. - Increase in the upper limit of field strength measurements using a comparator with circular shielded loop coil. p.12.
Sakharova, T.M. - Measures for improving the safety features of networks in low-voltage cables with star structure. p.13.
Rakov, A.I. - Calculation of the intervals of radio relay lines with passive repeaters. p.14.
Sviatel'nikov, G.A. - Business accounting should be improved. p.16.
Litvinenko, N.A. - Attention should be paid to working conditions in telecommunication enterprises. p.17.
Work practices of the leading workers should be followed by all postal service employees. p.18.
Nefedov, A.IA. - Economic councils should be provided with outstanding telecommunication service. p.25.
Korzhenevskii, A.T. - Work with telecommunication employees is of utmost importance p 27.
Popov, V.M., and others - The quality of fancy postcards and envelopes should be improved. p.28
Savalin, K.G. - Protection of the electric motor of a compressor from overheating. p 29.

f. INDUSTRIES & TRADES

AKADEMIIA NAUK URSR, Kiev. Institut elektrosvarki imeni E.O. Patona. Avtomaticheskaia svarka [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Electric Welding. Automatic Welding]. Kiev, vol.16, no.5, May 1963.

Table of contents translated

Paton, B.E. - Further development of automatic control systems and the control of welding processes. p.1
Paton, B.E., Gavrish, V.S., Grodetskii, IU.S. - Inertialess diagrams for the automatic control of resistance welding processes. p.7.
Chuloshnikov, P.L., Verdenskii, V.B. - Research papers on the governing and control of spot and roll welding. p.11.
Lankin, IU.N. - Automatic control of the conditions of spot welding according to electric parameters. p.16.
Poiola, N.V , Masalov, IU.A. - Digital control systems of resistance welding machines on the basis of commutator dekatrons. p.20.
Nikulin, V.N. - Programmed control systems with self-correction, built on the basis of numerical techniques. p.28.
Timchenko, V.A., Ivanov, G.P. - Numerical programmed control of machines for hard facing and making intricately shaped joints. p.34.
Bondarenko, O.P., Gavrish, V.S. - Programmed control system of hard facing machines. p.43.
Medvedev, IU.P., Nikonov, I.P., Khovanets, V.K - Automatic control of a three-phase arc welding machine. p.49.
Patskevich, I.R. - Investigating the parameters of electric discharges during hard facing with an electric arc. p.55.
Leskov, G.I. - Approximate equations for calculating the characteristics of certain welding arcs. p.62.
Novikov, V.I., Kovtunenko, V.A., Shumitskii, O.I. - Problems in the design and construction of all-welded towers. p.69.
Baranov, I.B. - Machine unit for the cold butt welding of copper contact wires. p.75.
Likhtarnikov, IA.M. - Evaluating the economy and efficiency of welding structural elements. p.78.
Katsnel'son, N.A. - Unifying equipment for resistance welding. p.84.

Korchilov, V. P. - Introduction of the International system of units in the U.S.S.R. p. 87.
Rykalin, N. N., Zaruba, I. I., Kulagin, I. D. - Symposium on the physics of the welding arc. p. 91.
Gerasimenko, L. A. - Viscosity of fluxes for electric slag welding and remelting. p. 94.
Alekseev, E. K. - New technology of coiling structural elements, a review. p. 94.
Milanchev, V. S. - Thematic conference on the weldability of heat-hardened, low-alloy steels. p. 96.
Conference in the Ukrainian Steel Structure Design Institute. p. 96.

BUMAZHNAIA PROMYSHLENNOST' [PAPER INDUSTRY] Organ of Gosudarstvennyi komitet po lesnoi, tsellyulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie NTO bumazhnoi i derevoobrabatyvaiushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry]. Moscow, vol. 38, no. 9, Sep. 1963

Table of contents translated.
Editorial: Speed up the expansion of woodpulp production. p. 1.
Mel'nikov, S. F. - Improvement of the technology is the main task. p. 3.
Dybkin, A. A., Sivokhin, S. P. - On the road toward quality improvement. p. 5.
Sil'chenko, A. S. - Progress-securing measures. p. 6.
Lianzin, I. T. - Ways to eliminate complaints. p. 9.
Sykol, V. P. - All indices should be on the high level. p. 10.
Likhobabin, V. D. - Our methods to overcome the difficulties connected with the production of soluble cellulose. p. 11.
Komarov, A. I. - Necessary measures for the shift to the new state standards. p. 12.
Nagrodskii, I. A. - New developments in the manufacture of viscose cellulose. p. 13.
Conference concerning the increase of the output and improvement of the quality of viscose cellulose. p. 15.
Generalization of practices for the production of woodpulp for various types of paper. p. 17.
Gorchenkov, S. G. - The organization of contests is an important part of the activities of the Scientific and Technical Society. p. 17.
Losev, P. P. - Efficient method for building up the productive capacity. p. 19.
Farber, S. R. - Ways of improving the smoothness of cardboard. p. 20.
Vaisman, L. M. - Effect of the iron and copper content of paper on the quality of condensers. p. 21.
Boldyrev, Iu. N. - Water purification in cone hydrocyclones. p. 23.
Surnilakov, A. B. - Efficient utilization of the heat of condensates. p. 24.
Smirnov, A. A. - Economizing technological fuel. p. 26.
Fisher, M. I. - Calculating the production costs of paper and cardboard by the surface area. p. 27.
Potolov, A. P. - Chopping machines for reed. p. 29.
Litvinenko, A. M. - Standard dimension series of domestic woodpulp pumps. p. 30.
From foreign journals. p. 34.
On the road of fraternal collaboration; Conference of the Work Group of the Woodpulp and Paper Industry of the Permanent Commission of the Chemical Industry of the Council for Mutual Economic Aid. p. 2 of insert.

Vol. 38, no. 10, Oct. 1963.

Table of contents translated:
Editorial: Preparing to welcome the Third Congress of the Scientific and Technical Society. p. 1.
Sil'chenko, A. S. - Learning from experience. p. 3.
Parokonnyi, G. V. - Prototype of an enterprise of the communist tomorrow. p. 4.
Popov, V. V., Luginin, V. A., Borikevich, L. A. - How to make efficient use of the equipment. p. 5.
Perminov, A. D., Baranova, N. V. - Bleaching of viscose in a multistage unit. p. 9.
Ivanov, A. I. - Equipment maintenance and repair service is an important part of production. p. 12.
Likunichev, A. I. - Putting into practice the system of planned preventive maintenance. p. 13.
Serov, N. I. - High-level automation. p. 15.
Koval'chuk, M. A. - Organization of work in roadsteads and lumber yards. p. 16.
Kon'kov, A. M. - Plant for the preparation of aluminum oxide. p. 20.
Kharchevnikov, V. V. - Putting into operation and maintenance of a high-pressure heat and electric power station. p. 21.
Zhuravlev, B. V. - Sulfate pulp production in the combine. p. 23.
Skvernikov, P. F. - Breath of youth. p. 25.
In the State Committee of the Forest, Woodpulp, Paper, and Woodworking Industry and Forestry attached to the State Planning Commission. Increase of production and widening of the assortment of paper bags is an important task of the national economy. p. 27.
Vikulov, A. P. - Steadily reduce the costs of production. p. 29.
Spiridonova, I. E. - Plastic plugs for rolls. p. 31.
In the American woodpulp and paper industry. p. 31.
Manufacture of technological equipment for the woodpulp and paper industry in the U.S.A. p. 31.
From foreign journals. p. 32.
These are our beacons! p. 2 of insert.
Useful books and articles for papermakers. p. 3 of insert.

* DEREVOOBRABATYVAIUSHCHAIA PROMYSHLENNOST' [WOODWORKING INDUSTRY] Issued by Gosudarstvennyi komitet po lesnoi, tsellyulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and TSentral'noe pravlenie NTO bumazhnoi i derevoobrabatyvaiushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry]. Moscow, vol. 12, no. 8, Aug 1963

Table of contents translated
Put into practice the decisions of the June Plenum of the Central Committee of the CPSU! p. 1.
Khimich, N. I. - Work practices of the Lvov furniture firm "Karpaty." p. 3.
Sheldin, I. A., and others. - Increase the output of high-grade plywood. p. 6.
Koval'chuk, L. M., Chistiakov, A. M. - Using electric heating sheets for gluing in woodworking. p. 7.
Temkina, R. Z. - Urea-formaldehyde resins with a minimal content of free formaldehyde. p. 10.
Birlukov, V. A. - Semiautomatic machine for gluing crosscut ends of small lumber. p. 12.
Dobrunov, G. M. - Improving the shielding of belt and chain conveyors. p. 14.
Borovikov, E. M. - Measuring the wear of frame saw teeth by the use of a large projector. p. 16.
Kolfman, A. R. - Analyzing the expenditure of lumber in the manufacture of furniture. p. 17.
Novikov, S. IA. - Presses for the production of bent-glued furniture parts. p. 19.
Trofimova, R. A., Kangun, R. B. - Veneer from pine. p. 21.
Morozov, V. A. - Staining veneer from Manchurian walnut and Kalopanax pictum. p. 22.
Lialin, G. M. - Working of parts with semioval profiles on the FK-1 carrousel-type milling machine. p. 23.
Podshivalov, A. A., Rodionov, V. I. - Bunker-type installation for loading shavings into a motor vehicle. p. 24.
Leibovich, N. IA. - Economize the rubberized belt. p. 25.
Kuznetsov, L. A. - Device for reversing the circulation of air in drying chambers. p. 26.
Fonkin, V. F. - Nature of the deformation of frame saw blades at the spot of rolling. p. 27.
Review of experimental designing and research work completed by the former Central Furniture Design Bureau in 1962. p. 28.
Scientific and technological conference on the problem of supplying industries with high-quality and economic wooden goods. p. 30.
New books. p. 31.
Compact magnetic latch. p. 31.
Continuous production line for finishing panel parts by the filling method. p. 32.
Preliminary heating of surfaces before finishing. p. 32.
Machine for testing the strength of lumber. p. 32.
Machine for veneering panel edges. p. 3 of cover.
The DM 74-00 set of sectional children's furniture. p. 2 of cover.
From the pages of technical and economic bulletins. Insert: p. 2

KHLEBOPEKARNAIA I KONDITERSKAIA PROMYSHLENNOST' [BAKING AND CONFECTIONERY INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry] Moscow, vol. 6, no. 1, Jan. 1962.

Table of contents translated:
Put the new program of the party into practice. p. 1.
Tokareva, R. R., Kretovich, V. L. - Studying the flavor giving substances formed during the process of dough fermentation and bread baking. p. 5.
Poltorak, M. I. - Operation of the completely mechanized production line for the manufacture of French stick bread at Moscow Bakery No. 15. p. 8.
Torokor, IA. Kh., Shekhter, M. M. - New developments in the design and planning of yeast making sections of bakeries. p. 12.
Andreev, V. V. - Utilization of the capital assets and calculation of their depreciation in the confectionery industry. p. 15.
Raitsyn, E. A., Kozlova, E. A. - Methods for planning the level of mechanization in macaroni factories. p. 20.
Roiter, I. M., and others. - New technology for the preparation of Kaunas bread with the use of liquid yeast. p. 25.
Mikhailov, V. N., Chumakov, V. F. - Completely mechanized loading and unloading system in the distribution department of a bakery. p. 29.
Alekseev, V. A. - Efficient use of fork loaders. p. 31.
Makhlis, G. L. - Use of the pulse type electromagnetic counter. p. 33.
Dzhoboidze, I. K. - Use of IFS machines for the manufacture of soft "Tris" candy. p. 34.
Mukhina, S. A. - Experiment in increasing the operational efficiency of GMP macaroni presses. p. 35.
Novakovskaia, S. S. - Film method for determining moisture content of compressed yeast. p. 38.
Golant, B. IA. - Improvement of the quality of shortenings. p. 41.

Vol. 7, no. 10, Oct. 1963.

Table of contents translated:
Kuramshin, IU. N., and others. - Use of concentrated fat-and-water emulsions in the bakery industry. p. 1.
Shcherbatenko, V. V., and others - Some problems of the analysis of an assortment of bakery products. p. 5.
Soboleva, M. I., Kostina, M. N. - Preservation of praline candies. p. 9.
Golovko, IA. V. - Economic efficiency of the modernization of equipment. p. 11.
Raitsyn, E. A., Sovalov, A. A. - Profitableness of macaroni products. p. 14.
Sysoev, I. A., Auerman, L. IA. - Efficiency of the heating of various strength wheat flours in pneumatic troughs. p. 16.
Nikulin, P. K., Abrarov, G. A. - Proving and baking unit with a KhVL oven. p. 19.
Luchko, V. G. - Machine for egg washing and hygienic processing. p. 21.
Pozin, - Reorganization of the Kislovodsk Bakery and Macaroni Combine. p. 23.
Ermakova, T. P., Zheleznik, A. N. - Use of corn products in the confectionery industry. p. 25.
Protsenko, V. F, Dotsnin, Z. M. - New varieties of baked confectionery goods. p. 28.
Roitman, B. S. - Calculating the yield of roasted kernels of sunflower seeds. p. 32.
Bystrov, A. A. - Electron VMI-2 moisture meter. p. 34.
Porada, V. S. - Experience in the operation of yeast plants using lengthened growing time and the outflow system. p. 35.
Bread varieties in various countries. p. 39.
Morev, N. E. - Encounter of the chief editors of the "Khlebopekarnaia i konditerskaia promyshlennost'" magazines of the socialist countries. p. 45.
Ignatenko, N. - New bakery in Shebekino. p. 47.

LEHKA PROMYSLOVIST' [LIGHT INDUSTRY]. Issued by Instytut tekhnichnoi informatsii Derzhavnoho komitetu Rady Ministriv URSR po koordinatsii naukovo-doslidnykh robit and Ukrains'ke naukovo-tekhnichne tovarystvo lehkoi promyslovosti [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Ukrainian Scientific Technological Society of Light Industry]. Kiev, no. 3(15), July-Sep. 1963.

Table of contents translated:
Orlov, I. V., Dubrovnyi, V. P. - Automatic device for indicating the termination of the steaming process for clothing goods with various moisture contents. p. 3.
Borovs'kyi, V. R., and others. - Twisting and drawing machine with thermal plasticization of the moving synthetic fibers. p. 8.
Bielozub, V. V., Petrochenko, V. F., Skyruta, M. A. - Control of the thermal conditions of lamp thermostats in the drying of footwear by infrared rays. p. 11.
Dushyn, B. M., and others. - Refining of Russian leather and large hides with deep grain defects. p. 15.
Rabinovich, L. M., Shekhter, S. L. - Developing basic patterns for the design of outerwear. p. 16.
Sen', Z. P., Luchka, M. Kh., Luhans'kyi, V. I. - Rapid glazing of decorated faience articles. p. 20.
Bial's'kyi, A. L. - New dyes for the textile and knit goods industry. p. 24.
Zinher, Kh. M., Sandler, F. S. - Some results of industrial testing of polyacrylamide for yarn sizing. p. 29.
Vadash, I. F., Sobolev, P. A. - Simplified design and calculation of magnetic apparatus for water treatment without reagents. p. 32.
Hrytsenko, N. S. - Fabrics manufactured by the Darnitsa Silk Combine. p. 34.

722-705 O - 64 - 8

Hubenko, H.B. - Ways to improve the assortment and strength of the products of the Volodars'kyi Clothing Factory in Dnetsk. p.37.

Slavtian, N.D., Lovyts'kyi, A.P. -Making patterns for men's shirts for stout and nonstandard figures. p.39.

Khamish, L IA. - Manufacture of children's pants from plaid fabrics without allowance for pattern matching when cutting. p.40.

Dekhtiar'ova, V.I., Shkande, K.P. - Personal worker's technical control of the production in the Chernovtsy Knit Goods Factory No.1. p.41.

Lukhno, M.M. - Modernized standard KPShO-3 conveyor. p.44

Horonova'ka, M.A., Nadirashvili, N.S., Rozova'ka, L.B. - Adhesive for shoe lasting by the gluing method. p.45.

Laieva'ka, N.I., Vorontsova, IA.O. - Using the hot vulcanization method for the manufacture of footwear from Russian leather. p.47.

Ivanov, N.I. - Pollution of the sewage waters of leather factories. p.49.

Timchenko, R.S. - Organization of technological information services in the Scientific and Research Institute. p.52.

Zhuravs'ka, V.V., Piontkova'kyi, B.A. - Glass sculpture. p.54.

Faticiev, F.N. - Experimental methods for lengthening the life of glass furnaces. p.55.

Silyhin, S.P. - Khorson Cotton Combine. p.57.

Strelets'kyi, IU.O., and others - "Roza Liuksemburh" Knit Goods Factory in Kiev. p.62.

Shcherban', IE.F., Sokolov, B.I., Hilhorina, F.L. - Using the card spinning system for processing polyacrylonitrile "prelan" fibers. p.66.

Pozhars'kyi, D.S., Shcherban', O.K. - New technology in the projects developed by the Ukrainian Institute for the Design and Planning of Enterprises of the Light Industry. p.71.

Haidabas, K.O. - Mechanization of the operations for wage computations. p.75.

Tret'iakova, L.I. - Investigating the heat insulating properties of clothing. p.83.

Romanchenko, V.M. - In the economic councils of the Ukraine. p.84.

IAryhina, I.H. - Conference of the readers of the scientific and technical magazine "Lehka promyslovist." p.87.

Poltavets', L.M. - Shape of the cross section of synthetic fibers. p.88.

Machine for yarn damping. p.90.

Automatic loom with a "Stop-on-pick" mechanism. p.91.

Contact devices and auxiliary equipment. p.91.

Glass fibers and fields of their application. p.92.

Dressing of the sides of large hides and hides with porous structure with a maximum preservation of the protein substance. p.93.

Electromagnetic brakes. p.94.

New pumps for oiling. p.95.

Inspection stand for tubular fabrics. p.95.

LITERATURA PO LESNOI I BUMAZHNOI PROMYSHLENNOSTI [LITERATURE ON FOREST AND PAPER INDUSTRIES] Issued by TSentral'naia nauchno-tekhnicheskaia biblioteka lesnoi i bumazhnoi promyshlennosti [Central Scientific and Technical Library of Forest and Paper Industries]. Moscow, no. 66, 1962

MIASNAIA INDUSTRIIA SSSR [MEAT INDUSTRY OF THE U.S.S.R.]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning committee of the U.S.S.R. and the Central ... tion of the Scientific Technological Society [Industry]. Moscow, vol. 34, no. 5, 1963.

... of contents translated

Sergeev, A - Widening the competition for communist labor p 1

Birulia, E - Prospects of the expansion of the meat industry p 7

Gorbatov, V - Ways for an efficient utilization of the products of slaughtering p 11

Bulanover, S - Basic trends in the design and planning of the buildings for meat and fat shops p 16

Brief review of the reports delivered at the scientific and technical conference on the efficient utilization of the products of slaughtering. p 21.

Recommendations of the conference p 25

Kulik, IA - Transportation of refrigerated meat in southern regions p 28

Tarakanov, V - Operations of temporary slaughtering stations. p 29

Teternik, D - Eliminate irresponsible handling of cattle processing p 30.

Efremenko, V - More on the advantages of specialized cattle fattening p.31.

Kuznetsov V., Tret'iakov, V, Safar'iants, E. - Weight losses during the preslaughter holding of Karakul sheep after their feeding with cottonseed hulls. p 33

Faleev, G - Distribution of meat industry enterprises p 35

Grinberg, N - Method for determining the norms for corrections in the wage fund. p 37

Gerlitsyn, Z - Accounting for hides by weight and surface area p 40

Gridiuchenko, I. - Efficiency of studies in economics. p 41

Exchange of experiences. p 42

Kozhemiakin, N, and others - Effect of cattle feeding with bagasse on the bone tissue p 47

Katkovskii, S, Shvarts, S, Nedobora, A - Use of diathomites in the production of insulin p 48

Sukharev, N, Bulycheva, O, Shmeleva, V - Rapid method for determining moisture content in by-products and bones p 51

Follow-up of published articles p 51

Kukharkova, L - Consultation p 52.

New machines p 52

New standard p 53

Stepanov, G - Seminar for the intensification of production processes and improvement of the quality of leather raw materials p 53

Seminar of specialists in production control and veterinary inspection p 53

Pavlov, D - New class of graduates from evening and correspondence schools p 54

Types of automobile and railroad refrigerator cars for meat p 55

Review and bibliography p 58

MOSCOW TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT SHERSTIANOI PROMYSHLENNOSTI Nauchno-issledovatel'skie trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE WOOL INDUSTRY Scientific Research Papers]. No.16, 1961.

Table of contents translated:

Gusheha, F.S. - Increasing the uniformity of the roving in worsted spinning. p.3.

Kononenko, T.V. - Studies in the field of the processing of wool blends with synthetic fibers in worsted spinning. p.18.

Churbanova, M.V., Istomina, T.I. - Application of beam warping and sizing in the weaving of fine woolen cloth p.34.

Akimov, T.S., Berkovich, N.IU., Liubimov, V.A. - Increasing the size of weft packages in the weaving of woolen cloth. p.43.

Vaks, E.E. - Development and investigation of the thread tension regulator. p.54.

Vaks, E.E. - Analysis of errors in the measurement of the thread tension and some ways to reduce them p.56.

Vorob'ev, V.A. - Methods of construction and count in the manufacture of woolen grey fabrics. p.73.

Filatova, M.V. - Development of the technology for the production of nonwoven fabrics by means of fiber bonding. p.91.

Bessudova, E.M. - Wood scouring in a neutral medium p.96.

Raikhlin, F.I. - Special processing of fabrics containing synthetic and rayon fibers. p.102.

Berezina, V.A. - Use of vat dyes for dyeing wool and viscose fibers p.110.

Berezina, V.A. - Development of formulas and technology for the printing of wool and semiwool scarfs and woolen ribbons. p.130.

Panicheva, A.A. - Dyeing of polyester lavsan fibers and fabrics made from wool and lavsan blends. p.146.

Vasil'eva, V.V. - Determining the amount of synthetic fibers in their blends with wool. p.155.

Kol'tsova, A.V. - Monotone dyeing of felt cones manufactured from wool and viscose fibers p.161.

Smirnova, V.F. - Studying the technological characteristics of the hair from various types of rabbits and hares. p.165.

Luvishis, L.A., Semina, N.A. - Rapid method for determining the thinness of wool fibers in an air jet. p.177.

Luvishis, L.A., Luts'kaia, T.S. - Methods for determining the abrasion strength of fabrics by means of the TI-1 apparatus. p.187.

Luvishis, L.A. - Methods for determining the thickness of fabrics. p.193.

Luvishis, L.A. - Instrument for the abrasion testing of felt footwear. p.203.

REFERATIVNYI ZHURNAL: LEGKAIA PROMYSHLENNOST' [JOURNAL OF ABSTRACTS: LIGHT INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.11, Nov. 1963. [This journal is also issued in parts.]

*RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tekhnologiia tekstil'noi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of the Textile Industry]. Moscow, no.4(35), 1963.

Table of contents translated:

Turchaninov, A.A. - Methods for determining labor input requirements in the wool industry. p.3.

Gordeev, V.A, Kulikova, N.A. - Studying the elastic properties of textiles under the conditions of short-time deformations. p 8

Solov'ev, A.N - Inspection of goods by sample in view of defects. p.12.

Glushonova, T.M., Trubyshev, N.I. - Forces acting upon yarn fibers during breakage. p 17.

Golovnia, V.D. - Manufacture of high-bulk lengthened ... p.22

Pugachevskii, G.F. - Investigating the mechanical properties of shirt fabrics. p.29.

Khomutskii, N.D - Moisture evaporation in the layers of bast fiber materials p.34.

Panov, D.N. - Some problems of the theory of bast fiber scutching. p.42.

Talepurovskaia, V.V., Suzdalkin, V.A. - Nominal uniformity of the lap width on single-process carding machines. p.51.

Butunovich, I.Kh. - Evening of the sliver number during sliver formation from the carding. p 59

Kiselev, R.M. - Studying the expediency of the installation of two doffer comb pairs under the table, in roll of a small carding machine. p.68.

Volkov, P.V - Regularity of warp distribution on the loom and in the fabric. p.75

Mil'man, A.IA., Khavkin, V.P. - Some problems in yarn winding from the warping beam. p 82

Krasnobrod'ko, A.E. - Basic physicomechanical characteristics of machine-made rug goods p 90.

Livshits, R.M., and others. - Investigating the possibility of modifying the properties of fabrics made from rayon staple fibers by means of polyacrylonitrile grafting. p.95

Kharkharov, A.A., Gutovenko, S.I., Kalontarov, I.IA. - Investigating the hydrolysis of dyes containing chlorine derivatives of heterocyclens as a reactive system. p.99.

Mel'nikov, B.N., Kotova, I.B. - Effect of some organic solvents on the swelling of rayon fibers during dyeing. p.103.

Abozin, V.G., and others. - Kinetic study of the dyeing of cellulose fibers with vat dyes under various alkalinity conditions of the dye bath. p.108.

Khanilov, P.I. - Evaluation of the economic aspects of drying apparatus. p.116.

Kulikov, M.I., Fedotov, O.V. - Studying the electric driving of the P-105 make pneumatic looms. p 122

Shishlo, K.S., Volkov, A.V. - Driving devices of roving machines. p.126.

Veselov, L.A. - Using the tangential feed method for groove rolling on the pedestals of spinning machines. p.131.

Savarenskii, V.V., IUdin, F.K. - Manufacture and testing of machine parts made from polymeric materials in textile factories. p.137.

Martynov, I.A - Investigating the state of stress of the elements of the batten and shuttle protection mechanisms during the impact on the frogs of the loom. p.143.

Shulis, V.V. - Experimental study of the performance of the helical gear of the machines for the manufacture of synthetic fibers p.153.

Vershinina, K.I. - Modern foreign air filters. p.161.

Shtarkov, V.I. - Work of M.V. Lomonosov in the field of fiber and dry goods production from grain. p.166.

SHVEINAIA PROMYSHLENNOST' [CLOTHING INDUSTRY]. Organ of Gosudarstvennyi komitet po legkoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva legkoi promyshlennosti [State Committee for Light Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Light Industry] Moscow, no.3, June-July [i.e. May-June] 1961.

Table of contents translated:

Chesnokov, N.E. - Let's welcome the 22d Congress of the CPSU with suitable achievements. p 1

Trokhov, V.G. - Moscow clothiers prepare to welcome the 22d Congress of the CPSU with labor achievements. p.4.

Sal'nikov, M.G. - The clothing industry of Georgia during the last forty year period. p.5.

Lastikov, M.D. - The principal thing is the fulfillment of assumed obligations. p.8.

Dzhayarova, A.IA., Shutova, N.G. - About the nonutilized potentialities of the Ivanovo Province clothing factories. p.9.

Ginzburg, R.S., Salganik, M.M. - Clothiers of the Ukraine struggle for an economical utilization of fabrics. p.11.

Krivtsova, A.D. - Centralized control system in clothing manufacture. p.13.

Prokopenko, N.I. - Improve planning in the clothing industry. p.14.

Popkov, V.I. - Apply the achievements of science and technology in production. p.16.

Bobyleva, L.I., Pankova, L.N., Shirinova, IU.D. - Use of nonwoven fabrics in the manufacture of women's dresses. p.21.

Kusner, B.A., Petrov, N.I. - Cutting of clothing parts from multiple layer fabric piles. p.24.

Shirinova, P.I. - Produce more goods of excellent quality. p.27.

Answering readers' queries. p. 32.
Information. p. 34.
New publications on the clothing industry. p. 39.
Science and technology in foreign countries. p. 3 of cover.

SLUZHBA BYTA [SERVICE INDUSTRIES]. Issued by Glavnoe upravlenie bytovogo obsluzhivaniia naseleniia pri Sovete Ministrov RSFSR and TsK Profsoiuza rabochikh mestnoi promyshlennosti i kommunal'nogo khoziaistva [Main Administration of Service Industries, Attached to the Council of Ministers of the R.S.F.S.R., and the Central Committee of the Trade Union of Workers of Local Industries and Communal Economy]. Moscow, vol. 1, no. 6, Nov. 1963

*SVAROCHNOE PROIZVODSTVO [WELDING PRACTICE] Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for the Coordination of Research in the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Machinery Industry] Moscow, no. 10(322), Oct. 1963.

Table of contents translated

A communistic attitude toward work is a must. p. 1.
Astaf'ev, A.S., Petunina, E.V. - Quality of welding joints in low-alloy steels modified by nitrides. p. 3.
Rabinovich, I.IA., Vavulo, I.V. - Electric and technological characteristics of a three-phase welding arc in argon-arc welding of aluminum alloys. p. 7.
Bilkovets, D.S., Kaganov, L.N. - Some characteristics in the welding of niobium and its alloys. p. 10.
Bagrianskii, K.V., Lavrik, P.F. - Mechanism of alloying metal drops in welding under a ceramic flux. p. 13.
Shinkarev, A.IA., Bondarev, V.V. - The soldering of titanium alloys. p. 15.
Bakhrakh, L.P., Livshits, L.S. - Welding OKh13 (E1496) steel structure. p. 18.
Loreley, N.M., Rukhovskaia, A.P. - Structure and properties of welded joints in OKh13 (E1496) steel. p. 20.
Gogolitsyn, M.A., and others. - Restoration of crankshafts by build-up welding p. 22.
Ratgon, M.G. - Welding in carbon dioxide at the White Russian Automobile Plant. p. 25.
Grinenko, V.I., Belkin, S.A., Astafurova, N.I. - Welding nonrotatable pipe joints of Kh19N9T steel by the automatic pressure method. p. 27.
Vologdin, I.V., Miftakhov, R.Sh. - Resistance welding in the production of construction elements. p. 29.
Alov, A.A., Mogil'ner, M.N. - Highly efficient electrodes for the welding of low-carbon steel. p. 31.
Astaf'ev, V.V., Morozov, V.A., Bukl, A.A. - Using nonlinear chains for the accurate measurement of current strength p. 33.
Orekhov, P.A., Kukushkin, V.I. - Welded sternpost. p. 35.
Nedzvetskii, G.V., Abrashin, A.V. - Condenser charge welding of heat exchangers. p. 36.
Semenkov, N.Z. - Using Stavropol' natural gas for cutting off riser heads from steel castings. p. 37.
Astashkin, V.G., Fominykh, I.P. - Restoration of GAZ-51 automobile crankshafts by build-up welding under flux. p. 38.
IArkov, A.V. - Attachment to the ADK-500 automatic welding machine for the welding of small diameter parts. p. 38.
Shekalin, P.F. - Combination protective shield for electric welders. p. 39.
Zav'ialov, N.I. - Nozzle for welding in carbon dioxide. p. 39.
IUkhin, A.I. - Nozzle tip for welding in carbon dioxide. p. 40.
Motiakhov, M.A., Solukvadze, V.S., Seminikhin, A.G. - Cleaning hot-rolled metal with a stiff metal brush. p. 40
Nechaev, V.D. - Injector-type propane-butane-oxygen GZU-1-62 and GZM-1-62 torches. p. 42.
Glebov, A.Z. - Sixth Conference on Welding in the Lithuanian S.S.R. p. 44.
Kobzev, I.F. - New group of welding engineers. p. 45.
Soviet publications on welding. p. 46.
Foreign publications on welding. p. 46.
Chekanov, A.A. - Consultations on letters from readers. p. 46.

g. MECHANICAL ENGINEERING

AKADEMIIA NAUK SSSR. Izvestiia, Energetika i transport [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Power Engineering and Transportation]. Moscow, no. 4, July-Aug. 1963.

Table of contents translated:

Karpov, V.G., Molenti'ev, L.A. - Principal premises for the creation and development of mathematical modeling methods in power engineering. p. 403.
Motskus, I.B. - Methods for integral linear programming of some nonlinear problems optimum design. p. 410.
Karpov, V.G., Levental', G.B., Syrov, IU.P. - Mathematical models of a power system for choosing its optimum structure and modes of operation. p. 417.
Ubov, S.V., Pavlov, G.M., Kantan, V.V. - Theoretical premises for optimalizing the operation of an electric power system using electronic analog computers. p. 434.
Guk, IU.B. - Monte Carlo method in the analysis of the reliability of electric power systems. p. 443.
Venikov, V.A., Skripnik, V.F., TSovianov, A.N. - Use of digital computers in studying transients in electrical systems. p. 448.
Kachanova, N.A., Umed'ian, V.V. - Calculation of the steady-state conditions of complex electric power systems using the "Ural-2" computer. p. 466.
TSovianov, A.N. - Electromechanical transients during nonsymmetrical short-circuits. p. 475.
Khrushchova, E.V. - Methods for calculating short-circuit currents using digital computers. p. 481.
Goraskin, O.T. - Logical and digital operations in the calculation of complex networks using electronic computers. p. 491.
Chel'tsov, M.B. - Choice of an optimum alternative for developing an electric power distribution network using the mathematical model. p. 497.
Astakhov, IU.N., Zuev, E.N. - Determination of similitude criteria using a digital computer. p. 505.
Kadomskaia, K.P., Levinshtein, M.L., Shterenberg, G.P. - Solution of the equations of a long electric power transmission line using numerical and digital computers. p. 508.
Brailov, V.P., and others - Optimization of the selection of fuels for thermal electric power plants and boiler systems in long-range planning. p. 514.
Koshelev, A.A. - Modeling by means of hydraulic analogies variable modes of operation of heat supplying systems. p. 525.
Merenkov, A.P. - Use of electronic computers in the optimization of branched heat supply systems. p. 531.
Reznikovskii, A.Sh., Solov'eva, I.IU. - Use of electronic computers in water power calculations in designing series of hydroelectric power stations for Eastern Siberia. p. 539.
Nikitin, B.I., Elakhovskii, S.B. - Calculation of annual modes of operation of hydroelectric power stations using electronic computers. p. 548.
Martynova, O.I., Serov, E.P., Smirnov, O.K. - Solubility of magnesium hydroxide in water vapor at superhigh parameters. p. 555.

No. 5, Sep.-Oct. 1963.

Table of contents translated:

Gorinov, A.V. - Development of a consolidated transportation network in the U.S.S.R. p. 563.
Cherikov, L.P. - Principal trends in the development of transportation. p. 576.
Belen'kii, N.P. - Development of the railroad network of the U.S.S.R. p. 581.
Velikanov, D.P. - Outline of long-distance motor vehicle roads. p. 584.
Plasetskii, G.IA. - Marine transport as a basic link of the consolidated transportation network of the U.S.S.R. p. 587.
Matlin, G.M. - Prospects of developing inland water transport routes in the U.S.S.R. p. 591.
Levin, B.I. - Technological progress in the development of transport means. p. 595.
Kostenko, M.P. - Pressing problems in the electrification of means of transportation. p. 599.
Serdinov, S.M. - Development of the electrification of railroad transportation. p. 605.
Bezliudov, V.L. - Choice of methods for voltage regulation in a.c. electric locomotives. p. 609.
Petrov, A.P. - Automatic control of hauling operations in transport using electronic computer techniques. p. 612.
Zav'ialov, B.A. - System of optimum automatic train traffic control in railroad districts with "aviodispetcher" systems. p. 625.
Bragin, V.K. - Automation of work processes in air transport using electronic computers. p. 631.
Denisov, K.N., Roginskii, B.IA. - Prospects for automating the merchant marine transportation process. p. 637.
Popov, S.A. - Overall automation and use of computer techniques in inland water transportation. p. 645.
Blatnov, M.D. - Operational requirements of work automation in motor vehicle transportation. p. 649.
Geronimus, B.L. - Present state and prospects of using mathematical techniques in planning automotive transportation. p. 652.
Review of V.T. Osipov's book "Express train shipments and prospects for increasing their efficiency." p. 656.
Kantor, I.I., Dembo, A.R., Zav'ialov, B.A. - Conference on scientific problems of the development of transportation in the U.S.S.R. p. 659.

AKADEMIIA NAUK SSSR Sibirskoe otdelenie Transportnoenergeticheskii institut Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department, Transportation and Power Institute, Transactions] Novosibirsk, no. 16, 1963. Peredacha elektroenergii na rasstoianiia 1500 - 3000 km [Transmission of electric power at distances of 1500 to 3000 km.].

Table of contents translated:

Putilova, A.T. - Effect of the location of the connection of an intermediate system on the static stability of a half-wave tuned power transmission line, taking into account the length of the line with parallel connected coupling transformers p. 3
Kopach, E.N. - Simplified review of a problem of static stability of a half-wave tuned electric power transmission line with series connected power takeoff. p. 11.
Tagirov, M.A. - Simplest theoretical models of electrical systems in analysis of static stability. p. 15.
Vorob'ev, G.V. - Voltage mode of an electric power transmission system with series-parallel intermediate taps. p. 22.
Kaskevich, E.P., Khalevin, V.K. - Post-breakdown conditions in a two-circuit half-wave tuned power transmission line. p. 31.
Ol'shevskii, O.V., Kovalev, B.I. - Experimental study of a shunting circuit of a tuned electric power transmission line as a means for limiting overvoltages. p. 42.
Gusev, E.P. - Problem concerning the correlation of the efficiency of tuned electric power transmission lines with different types of a.c. electric power transmission lines. p. 53.
Kaliuzhnyi, A.Kh., Lukashov, E.S. - Study of the self-excitation of a generator feeding a long-distance power transmission line. p. 60.
Kaliuzhnyi, A.Kh. - Simplified method for calculating self-excitation zones of a generator feeding an external network with complex operator resistances. p. 72.
Kolotilova, D.G., Lukashov, E.S. - Choice of the parameters of the damper stages of a generator feeding a half-wave tuned line, taking into account self-excitation conditions. p. 79.
Bushuev, V.V. - Stability of a synchronous generator feeding a capacitive load. p. 90.
Bushuev, V.V. - Effect of saturation in a steady-state mode of operation on conditions governing the origination of self-excitation in synchronous machines. p. 95.
Zainullina, R.S., Cheban, V.M. - Effect of the duration of inverter reversing on the dynamic stability. p. 99.
Tagirov, M.A. - Dynamic stability of an electric power transmission system with supporting synchronous compensators. p. 104.
Zaslavskaia, T.B. - Efficient method for composing the characteristic equation of a system taking into account damper stages in the transverse axis of the generator. p. 112.
Khakimov, E.Z. - Generalized method for analyzing iterated ladder networks using continued fractions. p. 122.

AVTOMOBIL'NAIA PROMYSHLENNOST' [AUTOMOBILE INDUSTRY]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol. 29, no. 8, Aug 1963.

Table of contents translated:

Toward new achievements under the leadership of the Communist Party. p. 1.
Chernobrodov, P.L., Dekhtiar, B.A. - Take into consideration and stimulate the increase of lifetime of a motor vehicle and its units. p. 3.
Kostrov, A.V., Kuniavskii, B.M. - Temperature conditions of the piston of the MZMA-407 engine. p. 5.
Fainleib, B.N., Klochev, L.A. - Experimental determination of the characteristic of fuel injection. p. 7.
Blekherman, E.Kh. - Valve and driving bushing of an engine. p. 9.
Kozlov, N.K. - The M-21T "Volga" automobile. p. 13.
Kliuchko, N.F. - Traction force of motor vehicles with one or several driving axles. p. 14.
Vziatyshev, N.A. - Photometric investigation of lateral vibrations of a tractor train. p. 16.
Gredeskul, A.B. - Selecting the correlation of braking forces on axles of a tractor and semitrailer. p. 18.
Zhestkov, V.A. - Testing electropneumatic drives for brakes of heavy trailers. p. 22.
Evaluation of operational reliability and durability of parts and units of a motor vehicle. p. 25.
Patrina, N.A., Meshcherinova, O.N. - Using boron steels in manufacturing automobile starters. p. 27.

Petrov, V. A. - Basic indices of hydrostatic transmissions with internal branching of the power flow. p.30
Vodilov, A. P. - Automation and mechanization of the processes of the chemical heat treatment of steel parts. p.31
Tarasov, A. M., Glinet, R. E. - Using 45 carbon steel for manufacturing ball pins of motor-vehicle steering rods. p.36
Sal'nikov, A. G. - Adjustable bush for centering drills. p.36.
Demidov, I. N., Bondarev, E. - High-speed heads equipped with cutters having hard alloy bits used without regrinding. p.39
Ulegin, V. G. - Devices for the measurement and control of hardness of intermediates and finished articles in automatic and line production. p.40
Lolinskii, V. I. - Introduction of thread-generating heads in mass production. p.40
Pogdanov, G. P. - Patents for spring suspensions abroad. p.41
Klement'ev, M. A. - Manufacture of motor vehicles by the Opel Company. p.43.
Bloshtein, E. A. - Automatic coremaking in foundry. p.44.
Chapchikov, N. S. - The 348 semiautomatic bench sandblasting machine. p.46
Vvedenskii, I. A. - Review of John Wiley's book "Economic problems of automation in the U.S.A." [translated from the English]. p.47
New books. p.48.
The 25th anniversary of the State Publishing House of Literature on Machinery. p.3 of cover.

AVTOMOBIL'NYI TRANSPORT [AUTOMOTIVE TRANSPORTATION] Organ of Ministerstvo avtomobil'nogo transporta i shossenykh dorog RSFSR and TSentral'nyi Komitet Profsoiuza rabotnikov svlazi, rabochikh avtomobil'nogo transporta i shossenykh dorog [Ministry of Automotive Transport and Highways of the R.S.F.S.R. and the Central Committee of the Trade Union of Communication, Automotive Transport, and Highway Workers] Moscow, vol 41, no 8, Aug 1963

Table of contents translated:
Mizinov, V. - Time determines labor productivity. p.1.
All efforts should be put into the fulfillment of the fifth year program of the seven-year plan. p.4.
Vais, A. - Perfect organization of work secures a high labor productivity. p.5
Bordin, V. - Results of competition are summed up daily. p.6.
Answering questions of inventors and innovators. p.10.
Rossik, F. - The turnover of motor-vehicle drivers has been sharply reduced. p.11.
Chernobaev, I. - Investigation of freight flow is the foundation for the organization of haulage. p.12.
Levit, V. - General automotive transportation unit carries out all transporation for the construction industry. p.14.
Lakhno, R., TSverkov, A. - Improved grain transportation from combines to threshing floors. p.16.
Pavlovichet, M. - New arrangement of automobile service for enterprises, organizations, and institutions. p.17.
Sheinin, A. - Development of an economic and technical base for automotive transportation. p.19.
Gal'burt, A., Kaganov, I. - Maintenance of the LAZ-695B motorbus. p.22.
Levkovich, IA. - Continuous No.2 inspection. p.24.
Kliavich, A. - Repair of chassis parts of the "Volga" automobile. p.26.
Il'iashevich, R. - Laboratory at a motor-vehicle repair plant. p.30
Verkhovskii, I. - Basic problems in the improvement of planning. p.32.
Nikolaev, N. - For technically efficient norms. p.36.
Pilr, A. - Standardization of motortrucks. p.38.
Gol'dberg, G., Zubarev, A. - The ST130 remote controlled starter. p.40.
Organization and safety of traffic. p.43.
Training specialists. p.48.
Readers' letters. p.51.
Exchange of experience. p.52.
Information. p.55.
Abroad. p.59.
Review and bibliography. p.61.
New books. p.63.

DNEPROPETROVSK. INSTYTUT INZHENERIV ZALIZNYCHNOHO TRANSPORTU. Trudy [INSTITUTE OF RAILROAD TRANSPORTATION ENGINEERS. Transactions]. No.24, 1954.

Table of contents translated:
Foreword, p.3,
Lazarain, V.A., Voskoboinik, E.Z., Garkavi, IA.N. - Technological and working stresses in the frame of the FD locomotive. p.5,
Garkavi, IA.N. - Dynamic strength of the bar framework of locomotives. p.16.
Garkavi, IA.N. - Effect of bolt holes on the stresses in the bar framework of locomotives. p.32.
Markevich, S.F. - Static and dynamic strength tests of locomotive frames. p.37.
L'vov, A.A. - Design of the longitudinal elements of car frames. p.63.
Korotenko, M.L. - Effect of the stiffness of the superstructure, spring sag and certain tolerances in repairing on the weight on the rails of the locomotive. p.72.
Voskoboinik, E.Z. - Determining the coefficient of speed losses in the mixing nozzle of injectors. p.106.
Krapivin, A.M. - Studying the hydrodynamics of water-jet heat exchangers. p.115.
Krapivin, A.M. - Investigating the heat transfer in a water-jet exchanger. p.136.
Korotcev, I.M. - Improving the quality of production and action control of the safety lock of the locomotive. p.155.
Afanas'ev, A.S., Idel's, S.L. - Selecting corrosion-resistant metals for the feed valve of the injector. p.166.
Ryshkovskii, I.IA. - Unutilized potentials of d.c. systems and the distributive power supply to the overhead contact network. p.172.
Anofriev, G.I. - Characteristics of the working process in high-combustion gas and oil engines. p.198.
Voloshun, L.P. - Effect of the belt transmission on the irregularity of the running of the machine. p.214.
Nikitin, A.A. - Uniformity of the existing methods of power calculations for differential and planetary mechanisms. p.226.
Ogievetskii, I.E. - Relation between Abel's method of summation and the method of the arithmetic mean. p.275.

ELEKTRICHESKAIA I TEPLOVOZNAIA TIAGA [ELECTRIC AND DIESEL LOCOMOTIVE TRACTION] Organ of Ministerstvo putei soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol 7, no 10(82), Oct 1963

Table of contents translated
Bauhn, V.A. - Work conditions have been improved and industrial traumatism is in sharp decline. p.1.
Zhinkin, V.S. - Organization of the technical inspection of diesel locomotives at the Liski Station. p.4
Peniaz'kov, A.V., Kalinin, E.S. - High-frequency blocking of rapid action feed switches. p.8.
Vinogradov, IU.N., Knizhnik, S.O., Andrusov, N.N. - Burnishing as a means for increasing the hardness of collector copper. p.11.
Bernovek, N.A. - More reliable performance of the drives for auxiliary machine units. p.13.
Pozdniakov, O.I. - Efficient method for preventing the electrolytic corrosion of anchor bolts. p.14.
Kudriavtsev, E.V. - Condenser protection of type EKG-60/20 main controllers. p.15.
Shuvgin, V.P., Baranov, E.A. - Characteristics of the maintenance and operation of reinforced concrete constructions of overhead contact systems. p.16.
Sushchenko, S.A. - Less failures of diesel locomotives due to defects in lubricating systems. p.18.
Zagranovskii, B.N., Filatov, V.I. - Device for the adjustment of remote control systems. p.20.
Shalanin, V.P. - Simplified and accelerated system for the regulation of electromagnetic speedometers. p.21.
Belobaev, G.IA. - Modification of the design of speed regulators. p.22.
Kalmykov, A.M., Makarov, M.S. - Careful handling and maintenance of pumps prevents the penetration of water into the lubricating oil of M753 and M756 diesel locomotives. p.23.
Al'miashev, A.A. - Yearly savings of 35,000 kilowatt-hours in electric power. p.23.
Dubrovskii, V.Z., Zaslavskii, E.G., Koshevoi, V.I. - Electric circuit of TE10 and TEP10 diesel locomotives. p.24.
Sanlushkin, IU.V., Rogov, V.T., Chilikin, G.A. - Practical recommendations on the operation of the ChS2 electric locomotive. p.27.
Gerlovskii, V.K. - More about short circuits in the low voltage wiring of VL8 electric locomotives. p.29.
Korepanov, G.IA. - Some causes of the flashing over occurring in the collector of the NB-412M traction engine. p.30.
Brener, E.D., Sosonkin, I.E. - Skin diseases and measures for their prevention. p.33.
Answers to readers' queries. p.35.
Tumaikin, A.F. - Need for an improvement of locomotive maintenance in the Orsk Depot. p.36.
Gutkin, L.V. - Linear asynchronous engine for train traction. p.37.
Ugarov, I.P. - Booster diesel locomotive with a 5,000 hp capacity. p.39.

KHARKOV. INSTYTUT INZHENERIV ZALIZNYCHNOHO TRANSPORTU. Shornik naukhnykh statei [INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION. Papers] Kharkov, no.63, 1962. Povyshenie moshchnosti i ekonomichnosti teplovoznykh dizelei [Increasing the power and economic efficiency of diesel locomotive engines]

Table of contents translated.
Foreword p.3
Shedel, A.I. - Increasing the power and economic efficiency of TE1 and TE2 diesel locomotives. p.5
Kurita, A.A., Zaslavskii, G.N. - Investigating the free suction charging system of the D50 engine in connection with the increase of its power (up to 1,200 hp). p.13
Kuznetsov, T.F., Bobrov, V.F., Surzhenko, Z.I. - Investigating the fuel system of the type D50 engine in connection with the increase of its power and economic efficiency. p.21
Vernet, N.D. - Cooling systems for the engine, pressure charged air, and electric machines of modernized TE1 and TE2 diesel locomotives. p.37
Romanchuk, G.N. - Investigating the thermal state of the piston and sleeve of the cylinder of the D50 diesel locomotive engine at increased compression in the pressure charging. p.43
Netiukhailo, P.A., Sitaev, N.I., Shedel, A.I. - Economic efficiency of the modernization of TE1 and TE2 diesel locomotives. p.49
Gladilov, G.V. - Automation of the control of the diesel generator unit of the TE3 diesel locomotive. p.54

KHARKOV. INSTYTUT INZHENERIV ZALIZNYCHNOHO TRANSPORTU. Trudy [INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION. Transactions] Moscow, no 57, 1962. Sbornik statei po raschetu i strelochnykh perevodov na prochnost' [Collection of articles on the design of switches for strength]

Table of contents translated:
Angeleiko, V.I. - Brief review of work concerning the strength of switches. p.3.
Angeleiko, V.I., Metlerkamp, E.A. - Design of switch rails for strength. p.7.
Linshchenko, V.N. - Calculations by the switch rail. p.24.
Zotkin, G.V. - Determining of stresses in the fe[illegible] p.51.
Zotkin, G.V. - Conditions of the train movement [illegible] the siding of switches. p.58.
Zolotukhin, G.I. - Permissible traffic speed of rail taking the siding of switches. p.70.
List of used literature. p.80.

KUZNECHNO-SHTAMPOVOCHNOE PROIZVODSTVO [FORGING AND STAMPING]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR and Nauchno-tekhnicheskoe obshchestvo mashinostroitel'noi promyshlennosti [State Committee for the Automation and Machinery Manufacture, Attached to the State Planning Committee of the Machinery Industry]. Moscow, vol 5, no 9, Sep 1963.

Table of contents translated:
Deordiev, N.T., Filimonov, IU.F. - Investigation of the rigid die multiple pass reduction process. p.1
Barbarich, M.V., Ryzhkov, L.P. - Making [illegible] teeth for chain gear by hot knurling. p.5.
Vakhtanov, B.F. - Determining the temperature [illegible] for the forging of high-alloy steel and alloy [illegible] p.9.
Shcheglov, B.A. - Explosive forming (from material in "Sheet Metal Industries," 1962). p.12
Kolesnikov, N.P. - Calculating the stress-strain state in drawing considering the effect of anisotropy. p.15.
Shcheglov, V.F., Kurin, V.V. - Methods of vibration proofing of heavy forging-hammer foundations. p.20.
Kazanskii, K.A. - Vibration proofing of forging-hammer foundations. p.26.
Novoselov, V.A. - Small, 30,000-ton hydraulic forging press. p.31.
Satanovskii, L.G., Lifshits, G.B. - Standardized low-pressure burners with air atomizing. p.34
Kateev, F.I., Kats, G.A. - Mechanized furnace for the heating of a steel strip for forging. p.25.
Skidan, V.P. - Specialization of forge shops in the Donets-Dnieper industrial regions. p.37.
Karlik, E.M. - Peculiarities of specialization in the manufacture of springs and spring fittings in England. p.41.
Kovalenko, V.G. - Semiautomatic machine for die bending. p.43.
Liubarskii, B.N., Ol'sha, A.M. - Hinge mandrel bending machine for more than 90° flange bending on sheet-metal parts. p.44.
Sikun, G.T., Ivashkevich, V.P. - Automatic feeder of the die stamping of contactors. p.45.
Tarnovskii, I.IA., Linshkov, V.B., Ganago, A.A. Review of V.G.Shal'nev's book "Expanding methods of metalworking by pressure. p.47.

Vol,5, no,10, Oct, 1963.
Table of contents translated.
S'eparskii, L.G. - Calculating stagnation zones in metal during extrusion. p.1.
Nortsov, I.A., Shekhter, V.IA., Bazyk, A.S. - Manufacture of flanged bushing type parts by closed-die forging. p.1.
Co'oranenko, S.A., and others - Extrusion of bimetal shapes. p.7.
Zolotukhin, N.M., Entin, I.Z. - Optical polarization for the study of deformations in three-dimensional plastically-deformed plexiglas models. p.10.
Artenov, V.M. - Effect of external friction on the deep drawing process. p.13.
Remenik, V.S. - Edging of boxlike parts with wide flanges. p.15.
Klusov, L.A. - Analysis and synthesis of transmissions for automatic lines of rotary forging machines. p.18.
Lebedev, V.V. - Multiple-position automatic cold-header. p.24.
Lenskoi, E.N., Nuzov, A.IA. - Automatic photoelectric pyrometer. p.28.
Kostrakov, V.N., Erinov, A.E. - Heating metal for forging in a nonoxidizing, semicontinuous pusher-type furnace. p.32.
Sitanovskii, L.G. - Standard, compartment-type heating furnaces operating on liquid and gaseous fuel. p.36.
Karlak, B.R. - Phosphate coating of metal for cold upsetting. p.40.
Kedrezov, V.E. - Combination die for the blanking of rotor and stator plates by means of an air-hydraulic pressure transmitter. p.41.
Tsilgampl', IAn. - Sheet straightening machines of the KhRM1600/3.15 and KhRM2000/6.3 type. p.43.
Mishchenko, F.D. - Die for the riveting of cardan head disks for DT-54 and T-75 tractors. p.46.
Liubarskii, B.N., Ol'sha, A.M. - Movable lower die for the center punching of pipe. p.47.
Bogachev, I.F. - Increasing the durability of forging dies. p.48.

MASHINOSTROITEL' [MACHINE BUILDER] Organ of Nauchno-tekhnicheskoe obshchestvo mashinostroitel'noi promyshlennosti [Scientific-Technological Society of the Machinery Manufacturing Industry] Moscow, no. 11, Nov. 1963
Table of contents translated:
Forty sixth anniversary of labor since the October Revolution. p 1.
Zhitomirskii, M B - Some problems in the manufacture of compressors p 3
Zapriagalov, N , Raskin, K - For the shift coefficient 2. p 4.
Aberman, L - School of inventors and innovators p 6.
Sharova, M - School of work training. p.7
Kellerman, P M - Automatic line for the manufacture of fastening pins. p 8
Kutai, A K , Pekker, F.P - Visual active control of circular grinding machines p 10.
Belyi, M. - Meter of the time of equipment operation p 11.
Rudomelkin, V.K. - Reconditioning guides with "stirakril." p.12
Sharin, IU S , Golubev, S S - Modernization of a thread-rolling machine p 13.
Nedzel'skii, M D - Metallization in a protective medium. p 15
Konovenko, S.G - Cutters for fine planing p 16
Kulikov, M.V - Multicut method for machining external and internal surfaces of the bodies of revolution p 17.
Sagatelian, L S - Device for curling edges of a steel sheet. p.18
Viba, A.IA - Device for removing burrs p.18
Mikuts, I A , Rezekina, M M. - Pneumatic attachment for drilling machines. p 19
Zaidenko, A.M., Grigorova, N F - Press cramp for press fitting of parts p 19
Gromykhalov, V.K. - Adjustable pneumatic vises. p.20.
Petrov, I N. - Self-clamping inertia chuck. p 20
Vodop'ianov, A A - Mechanism for accelerating the exchange of cutting tools. p.21.
That can be used in your enterprise. p.22.
Kinzhalov, N. - Combined two-edge boring cutters. p.24.
Zhukov, V.I - Mandrels designed by the innovators at the Kirov Plant. p.25.
Osmolovskii, A L. - Attachments reducing auxiliary time p.26
Rafal'skii, V.I. - Die for swaging squares p.27.
Lobanov, D.A., Averbukh, M.N - Universal loaders. p 28.
Volkov, V.A. - Reducing electric motor. p.29.
Margules, A.U. - Parts made of wood particles. p. 30
Vinogradov, V. - Gear wheels made of caprolan. p. 31
Zakharenko, I.P., Pugacheva, O.A - Machining celluloid and wood with hard-alloy tools. p. 31
Fishkis, M M - Gas-flame straightening of metal structures p 32
Puzynia, K F - Consolidated norms for the labor consumption of experimental samples of complicated workpieces p 35
Bugimenko, I - Device for the determination of cutting conditions p 36
Savel'eva, G I - Technically substantiated norms for fitting and assembling p.36
Savchenko, I - A new state standard is needed. p 38
Koponev, I D - New methods for chip breaking should be used p 39
Kuznetsov, I F - The institute should decide the problem p.40
Borondia, A S - It is time to revise cutting-tool norms p 40.
Abadzhi, K I. - The fourth conference on interchangeability and control methods in the machinery industry in Leningrad. p.41.
Levina, A.S - Scientific technical community takes part in production management p 42
Loskutov, V V - Useful book on the automation of technological processes. p 43
New literature for machine-tool operators. p.44.
Innovations in the Czechoslovakian machinery industry p.46.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PO STROITEL'STVU MAGISTRAL'NYKH TRUBOPROVODOV. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE FOR THE CONSTRUCTION OF PIPELINES. Transactions], No. 12, 1962. Voprosy prochnosti podzemnykh sooruzhenii [Problems of the stability of underground structures].
Table of contents translated:
Ruppeneit, K.V., Matvienko, V V - Estimating the stability of structural elements to be used in underground construction p 3
Dolgikh, M.A., Matvienko, V V., Khachatur'ian, N.S. - Estimating the stability of leaching chambers in deposits of rock salt p 74
Kister, L N , Matvienko, V V , Dolgikh, M.A. - Estimating the stability of leaching chambers of rectangular cross section p.112
Gomes, TS Ruppeneit, K V - Calculating the stability of flat roof chambers. p.122

No 13, 1962. Voprosy svarki i elektrozashchity magistral'nykh truboprovodov [Problems of welding and electric protection of pipelines].
Table of contents translated:
Mazel', A G. - Technological properties of welding arcs p.3.
Mikhailov, M I , Razumov, L.D. - Electromagnetic effect of high-tension lines on metal pipelines and methods of protecting them p.96.
Appendix. p 200

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT SEL'SKOKHOZIAISTVENNOGO MASHINOSTROENIIA. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF AGRICULTURAL MACHINERY MANUFACTURE. Transactions], No. 34, 1962.
Table of contents translated:
Klishin, G.A. - Devices for the integration of variable magnitudes. p.3.
Smirnitskii, V.A., Klishin, G.A. - Apparatus for measuring the speed of grain movement on a sieve with the application of radioactive isotopes. p.23.
Mitichkin, I.A., Aliulin, A.F. - Electric scales for weighing agricultural machinery. p.34.
Potapov, G.K. - Electrical dynamometers for measuring torque. p.43.
Potapov, G.K. - Apparatus for measuring the depth of tillage. p.57.
Kozlov, S.N. - Land profilograph. p.65.

MOSCOW. VSESOIUZNYI NAUCHNO-IS SKII INSTITUT ZHELEZNODOROZH TA. Trudy [ALL-UNION SCIENTIFI INSTITUTE OF RAILROAD TRANSP Transactions]. No. 260, 1963. Nove zheleznodorozhnom transporte [New welding used in railroad transportati
Table of contents transla
Zolotarskii, A.F., Dorokhin, P.N.
Kraichik, M.M. - Conditions of the f fracture in welded elements of the methods for its prevention. p. 4.
Kraichik, M.M. - Effect of some de ical factors on the fatigue strengti p. 31.
Kraichik, M.M., TSkipurishvili, V. Analyzing the causes of failures of tures of the rolling stock under th low work stresses. p. 36.
Moiseev, I.A., Pashkov, N.V. - Us the rolling stock made from alum p. 45.
Shilapin, V B , Vinogradov, IU.G - Investigating the characteristics of the build-up by weaving arc welding under flux. p. 61
Khlashcheva, N K. - Contact welding of alloyed steel rails. p. 82.
Grell', E A - Investigating the cases of failure of welded rail joints. p. 102.
Tkachenko, O G. - Hard facing of rails with surface hardening along the full length of the head p. 128.
Lebedev, A.M , Pavlov, N.V. - Welding of the switch rails of the switch assembly p. 144
Lebedev, A M., Pavlov, N.B. - Contact welding of rails with hard surfacing. p. 152.

No 263, 1963
Contents: Dolmatov, A.A., Kudriavtsev, N.N. [Dynamics and strength of four-axle railroad tank cars] Dinamika i prochnost' chetyrekhosnykh zheleznodorozhnykh tsistern 122 p.

No. 267, 1963. Primenenie polimerov v podvizhnom sostave zheleznykh dorog [Use of polymers for the rolling stock of railroads].
Table of contents translated
Kolodiazhnyi, N.V., Maevskii, V.I. - Foreword. p.3.
Bilik, Sh.M., IAsson, IU.B. - Friction surfaces of plastics examined under high-degree magnification. p.5.
Bilik, Sh.M., IAsson, IU.B. - Adhesion of some polyamide films to metals and alloys. p.12.
IAsson, IU.B. - Nature of the contact of some polymeric materials after abrasion with bodies of various roughnesses. p.25.
Kiopanev, IU.S., Mashukova, G.V. - Selecting the optimum thermal conditions for the production of polymeric coatings with the method of whirl sintering. p.30.
Bilik, Sh.M., and others - Experimental use of antifriction polymeric materials on locomotives. p.46.
Bilik, Sh.M., Salenko, B.S. - Abrasive wear of polymeric materials. p.60.
Bilik, Sh.M., Gnezdilova, G.V. - Methylol polyamide phenol resins as antifriction material. p.70.
Krugiada, Z.V., Diadin, A.A., Sokov, A.M. - Freight car roof made from glass plastics. p.82.
Vinitskii, L.E., Prokof'eva, V.L. - Rubbers for the braking systems with a base of butylnitrile and butylstyrene rubber compound. p.94.
Blinova, Z.A., Vinitskii, L.E., Rul'kov, V.I. - Evaluation of the properties of oil-resistant rubber-and-metal shock absorbers for the axle equipment of TE3 diesel locomotives. p.100.
Blinova, Z.A., and others - Selecting rubber for the shock absorbers of the central support cones of the VL60 locomotive. p.107.
Vinitskii, L.E., Krasnova, N.A., Maltseva, O.N. - Frostproof shock absorber rubbers for the rolling stock. p.113.
Naumov, V.I. - Investigating the state of stress of some sandwich structures. p.124.

*PRIBOROSTROENIE [INSTRUMENT MANUFACTURE] Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva priborostroitel'noi promyshlennosti [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific and Technological Society of the Instrument Industry]. Moscow, no. 10, Oct. 1963.
Table of contents translated:
Rotbert, I.L., Udalov, N.P. - Semiconductor diode and transistor temperature pickups. p.1.
Egorov, S.V., Pin, L.M. - Calibration of adjustment

Ronzhin, V.V. - Increasing the precision of measurements with the FEK-N-57 photocolorimeter-nephelometer. p.29.
Shishmarev, A.I. - The book should be improved. p.30.
New books. pp.30-32, 4 of cover.
Articles from periodicals published in 1963. pp.32, 3 of cover.

PROMYSHLENNAIA VENTILIATSIIA [INDUSTRIAL VENTILATION] Issued by Vsesoiuznyi nauchno-issledovatel'skii institut okhrany truda [All-Union Scientific Research Institute of Labor Protection] Sverdlovsk, no. 9, 1960.

Table of contents translated.

Preface. p.3.
Gervas'ev, A.M. - Generalizing the experience acquired in the dedusting of crushing departments of sintering plants and refractories manufactures. p.5.
Gervas'ev, A.M. - Calculating the volume of air removal by exhaust apparatuses as recommended by established standards on the dedusting of crushing-sintering plants and refractories manufactures. p.13.
Kamyshenko, M.T. - Improved shelters for areas of loading materials on conveyors and method of their design. p.21.
Kamyshenko, M.T. - Dedusting of jaw crushers. p.37.
Kamyshenko, M.T. - Dedusting of cone crushers. p.44.
Kamyshenko, M.T. - Dedusting of vibrating screens. p.51.
Gervas'ev, A.M. - Air removal by exhaust methods with simultaneous separation of dust and vapor. p.56.
Ivanov, V.S. - Testing small, high-capacity cyclone launders. p.63.
Gervas'ev, A.M. - Using cyclone launders in small-size exhaust systems. p.69.
Gervas'ev, A.M. - Air purification in cyclone launders. p.85.
Donat, E.V. - Improved design of a flexible vacuum hose and of a nozzle for sucking-in dust. p.92.
Donat, E.V. - Hydraulic resistance of ducts in pneumatic dust removal systems. p.100.
Donat, E.V. - Experimental determination of the velocity of flying of highly dispersed particles. p.112.
Biekson, G.D. - Dedusting the fuel feed channels in the Ural Mountain region electric power plants. p.120.
D'iakov, V.V., Kovalev, V.I. - Efficiency in the use of mist sprayers. p.125.
D'iakov, V.V., Kovalev, V.I. - Selecting a spot for taking specimens in determining the intensity of dust formation during various industrial operations. p.131.
Litvin, V.N. - Studying the mutual effect of elbows and branch pipes. p.135.

REFERATIVNYI ZHURNAL: FOTOKINOTEKHNIKA (Otdel'nyi vypusk 46) [JOURNAL OF ABSTRACTS PHOTOGRAPHIC AND MOTION-PICTURE EQUIPMENT (Separate Issue 46)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.12, Dec. 1963.

REFERATIVNYI ZHURNAL: KOMMUNAL'NOE, BYTOVOE I TORGOVOE OBORUDOVANIE (Otdel'nyi vypusk 33) [JOURNAL OF ABSTRACTS: COMMUNAL, HOUSEHOLD, AND COMMERCIAL EQUIPMENT (Separate Issue 33)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no.12, Dec. 1963.

REFERATIVNYI ZHURNAL: TEKHNOLOGIIA MASHINOSTROENIIA [JOURNAL OF ABSTRACTS: TECHNOLOGY OF MACHINERY MANUFACTURE]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no.11, Nov. 1963

REFERATIVNYI ZHURNAL: TRUBOPROVODNYI TRANSPORT (Otdel'nyi vypusk 45) [JOURNAL OF ABSTRACTS: PIPELINE TRANSPORTATION (Separate Issue 45)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.11, Nov. 1963

REFERATIVNYI ZHURNAL: TURBOSTROENIE (Otdel'nyi vypusk 49) [JOURNAL OF ABSTRACTS: TURBINE MANUFACTURE (Separate Issue 49)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no.11, Nov. 1963.

REFERATIVNYI ZHURNAL: VOPROSY TEKHNICHESKOGO PROGRESSA I ORGANIZATSII PROIZVODSTVA V MASHINOSTROENII (Otdel'nyi vypusk 35) [JOURNAL OF ABSTRACTS. PROBLEMS OF TECHNOLOGICAL PROGRESS AND THE ORGANIZATION OF PRODUCTION IN THE MACHINERY INDUSTRY (Separate Issue 35)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no.11, Nov. 1963.

REFERATIVNYI ZHURNAL: VZAIMODEISTVIE RAZNYKH VIDOV TRANSPORTA I KONTEINERNYE PEREVOZKI (Otdel'nyi vypusk 31) [JOURNAL OF ABSTRACTS. CONTAINER SHIPMENTS AND THE INTERACTION OF VARIOUS TYPES OF TRANSPORTATION (Separate Issue 31)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.11, Nov. 1963.

REFERATIVNYI ZHURNAL: ZHELEZNODOROZHNYI TRANSPORT [JOURNAL OF ABSTRACTS: RAILROAD TRANSPORTATION] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.11, Nov. 1963. [This journal is also issued in parts.]

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, mashinostroenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Machine Manufacture]. Moscow, no.7, 1963

Table of contents translated:

Gorbach, V.L. - Patterns of velocities and accelerations of points of a body in plane parallel movement. p.5.
Gorskii, B.E. - Synthesis of a cam mechanism with a flexible link. p.10.
Suprunov, A.S. - Synthesis of a double-crank hinged six-bar linkage with a stop. p.18.
Filadel'fov, T.P. - Realization of coaxiality conditions in the synthesis of coaxial bevel gears. p.28.
Strel'tsov, A.A. - Using Laguerre polynomials in determining approximate dynamic characteristics of controlled objects. p.31.
Potemkin, A.P. - Torsional rigidity of rods with a noncircular cross section. p.45.
Chernis, T.Sh. - Stress concentration along a set of rivet holes parallel to the front edge. p.51.
Pirogov, I.M. - Stress concentration around a hole in a cylindrical tank subjected to hydrostatic pressure. p.56.
Shubin, V.P., Nikitina, V.N. - Hardness of some bearing plastics and its relationship with ultimate strength in stretching. p.62.
Kuklin, L.G. - Fatigue test of a hard alloy. p.66.
Mozharovskii, N.S. - Thermal fatigue of nozzle blades of gas turbines under almost operating conditions. p.72.
Savvin, A.P. - Calculation of rectangular friction belt joints. p.76.
Golubchenko, A.I., Ipatenko, A.IA., Gancho, E.I. - Experimental investigation of the effect of shaft rotation on the efficiency of labyrinth packing. p.87.
Ignatenko, V.V. - Analytic expression of the characteristics of a rubber-cord pneumatic shock absorber. p.93.
Plotnikov, M.M. - Heat conductivity in bodies with a cylindrical anisotropy. p.100.
Karninskaia, D.A. - Using an electronic model in investigating dynamic loads in the lifting mechanism of an excavator. p.119.
Aleiner, A.L. - Rotation resistance of floating cranes. p.126.
Toloknov, O.A., and others. - An a.c. drive system for driving wheels of an automobile train. p.133.
Eshov, B.A., Emel'ianov, V.S. - Determining the speed of a pneumatic-post carrier at track turns. p.137.
Zhuravlev, V.G. - Calculation of the suction capacity of a bladed pump. p.141.
Solomennikov, V.A. - Interaction of the diesel locomotive engine with the frame structure of the locomotive. p.148.
Tret'iakov, N.P. - Effect of the speed of the operation of a carburetor engine on the mixture optimum. p.156.
Sukhov, E.I. - Using the approximated characteristic of a turbine in analyzing the pulsed supercharging system. p.166.
Mishukov, F.A., Fomin, S.F., Usifinov, A.I. - Bessemer pig iron in the machinery industry. p.174.
Vashchenko, K.I., Sumtsov, V.F., Stoianchenko, S.I. - Using magnetic cast iron as soft magnetic material for casting cores of suspended electromagnetic separators. p.182.
Sharonov, G.P., Prusov, V.A. - Effect of sulfur content in oil on the wettability and seizing of metallic friction surfaces. p.190.
Bobrov, V.F. - Electric elastic dynamometers for the measurement of cutting-force components in turning. p.197.
Reznikov, A.N., Kushner, I.S., Kirshbaum, V.I. - Geometrical analysis of round rotating cutting tools. p.201.
Zhuchin, V.N., Pavlov, I.M. - Analyzing some methods of the experimental determination of deformation resistance in cold rolling. p.214.
Proskuriakov, IU.G., Kulikovskikh, V.A. - Thermal phenomena during the burnishing of parts with a rotary ball tool. p.221.

No.8, 1963

Table of contents translated:

Frolov, S.A. - Automatic reading of a mechanical drawing. p.5
Kapralova, N.F. - Generalization of Euler's formula for the case of Coulomb's friction p.10.
Beletskii, V.IA. - Calculation of all parameters of some four-bar plane transmission linkages with advancing pairs. p.20
Beschastnov, R.V. - Profiling the sprocket tooth of a chain transmission by the involute. p.27
Georgiev, A.K. - Elements of the geometrical theory of spiroid gears p.37.
Ivanov, I.P. - Rapid testing of gears p.46.
Ivanov, M.N., Shuvalov, S.A., Arianov, A.K. - Undulating gears. p.53.
Kochanov, IU.P. - Stressed state of a flat bulkhead reinforced with two braces. p.70
Korablev, A.I. - Dulling of longitudinal edges of tooth heads and their effect on the overlapping of spur gears. p.85.
Kravtsov, N.A. - Investigating the effect of the later force on the limiting moment in case of a moving load on continuous beams p.93.
Garpf, S.I. - Using exponential relation of stresses and deformations in designing bent members beyond elastic limit. p.101
Mozharovskii, N.S. - Effect of alternating plastic deformations on metal breakdown conditions due to cyclic heating. p.110
Chainov, N.D. - Lateral vibrations of dowels in internal combustion engines p.117.
Konovalov, A.A. - Investigation of the longitudinal impact upon a cylindrical spring p.123
Starosel'skii, A.A., Semenov, V.S., Vasserman, A.A. - Interrelationship between elements of cast iron friction pairs. p.126.
Efimova, E.V. - Selecting optimum theoretical law of motion for the trough of an inertia conveyor p.133.
Sobolev, V.A. - Effect of minor deviations of the dimensions of jib-unit elements on the trajectory of the movement of load. p.142.
IArmashevich, IU.I. - Effect of kinematic inadequacy on tractive indices of a tractor with four driving wheels. p.156.
Ardashev, V.I. - Calculating the feed ratio of a rotary plate compressor. p.169.
Gurevich, D.F. - Role of a gap in an atomizer p.181.
Kulikov, N.K., Mironov, G.N. - Experimental investigation of radial movement of the piston in an engine cylinder. p.185.
Egorov, IA.A. - Determining the performance of a piston during gas-exchange processes in a two-stroke engine. p.192.
Sheiost, P.A. - Calculating the self-ignition lag in diesel engines. p.197.
Kruglov, M.G., Dmitriev, V.P., Egorov, IA.A. - Improving the economic efficiency of an engine with a power-driven supercharger operating with partial loads. p.205.
Zaroshchinskii, M.L. - Relationship between stress and deformation in longitudinal metal rolling. p.212.

Korolev, A A - Curvature of the diagram of specific pressure distribution in the sticking area in metal rolling. p 219

Sirel'nikov, IU I - Utilizing energy conditions of plasticity in the theory of metalworking by pressure. p. 226

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, priborostroenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Instrument Manufacture] Moscow, vol 6, no.5, 1963

Table of contents translated

Prianishnikov, V. A. - Unit for measuring two-dimensional integral and differential distribution functions, p. 3.

Golubev, A.D., Shats, S.IA. - Regularities in the characteristics of tubes with secondary emission. p.11.

Balashov, E.P., Genkin, V.L. - Some principles of the plotting of storage units with ferrite cores and total-flux recording. p. 20.

Sokolov, V.V. - Condition stability of electric circuits with active elements having two nonlinear resistances. p. 27.

Barabanov, E.G. - Method of optimum acceleration of an electric drive with a three-stator step-by-step motor up to synchronous rotation conditions. p. 34.

Baranchuk, I.I., Kovarskaia, E.L. - Moment of a biphase asynchronous motor controlled by amplitude modulated voltage. p. 41.

Odintsov, A.A. - Reproduction of the tangent relation in a sine-cosine rotary transformer. p. 51.

Pomykaev, I.I. - Problems in the theory of inertial measurement of the acceleration of an aircraft. p. 58.

Bogdanovich, M.M. - Investigating the effect of the maneuvering of an object on a gyropendulum equipped with corrections. p. 69.

Futenin, N.V., Lunts, IA.L. - Motion of a free gyroscope in case of a uniform rotation of the base. p. 75.

Sergeev, K.N. - Investigation of an acceleration transducer with filtering properties. p. 84.

Romanov, A.D. - Method for regulating the movement of a watch. p. 95.

Fegarev, G.V. - Inclination and turning of an image in optical instruments. p. 103.

Ianov, P.D. - Correction of the distortion in a negative system with an external eyepiece. p. 112.

Cherkasov, V.N. - Experimental determination of the equivalent coefficient of heat conductivity of transformer windings. p. 120.

Novopashennyi, G.N., Solopchenko, G.N., IAsenskii, A.N. - High-speed comparator. p. 136.

Griazin, G.N. - Television unit with a memory tube for making clichés p 139.

Sovetov, B.IA. - Protection of the actuating code element. p. 141.

Gorodinskii, G.M. - Andrei Aleksandrovich Gorshun; on the occasion of his 60th birthday. p. 146.

STANKI I INSTRUMENT [MACHINE TOOLS AND THEIR CUTTING TOOLS] Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee, and the Central Administration of the Scientific Technological Society of the Machinery Industry] Moscow, vol. 34, no. 9, Sep. 1963.

Table of contents translated:

Romanov, V.F. - Pinion-shaped cutters with optimum geometry. p. 1.

IAkubson, S.B. - Technological possibilities of machining pinion-shaped cutters by shaving. p. 5.

Grinchenko, A.I. - Profiling tools for cutting toroid gears. p. 6.

Levina, Z.M., Ostrovskii, V.I. - Effect of gib deformations on the pressure distribution and on the rigidity of guides. p. 9.

Burkov, V.A. - Design of acute-angled rolling guides. p. 13.

Pachkhadze, Sh.I. - Methods for increasing the precision of the assembly of controlled dividing worm gears. p. 14.

Gol'din, L.S. - Design and check of the working profile of sprockets for free-wheeling mechanisms. p. 17.

Rachok, V.V. - Defects in cam profiles caused by the wear of grinding wheels. p. 19.

Latasov, N.P. - Adjustment of lathes for machining conic surfaces by the method of simultaneous switching-on of longitudinal feed and of the advancement of upper tool slides. p. 21.

Matalin, A.A. - Finish turning with tools having multisided tips. p. 22.

Morozenko, V.N. - Lapping small-diameter deep holes. p. 24.

Kosov, N.P. - Mechanized machine-tool attachments. p. 25.

Matveev, V.V. - Eliminating fractures of machine taps in cutting thread in deep holes. p. 28.

Barabolia, S.IA., Smirnov, V.P. - Milling radial grooves and segments on a gear-milling machine. p. 31.

IUshkov, V.G. - Grinding three circular flats in the conic surface of draw-in chucks. p. 32.

Kalinin, A.P., Kashaeva, A.N. - Machining end teeth of couplings using gear shaping techniques. p. 33.

Borolkin, S. - The BA16 (CzSSR) circular grinding machine with an automatic cycle p. 34.

The SU 32, SS 32 and SD 32 lathes. p. 35.

New machine tools. p. 37.

Romanovskii, V.I., Sidorov, I.S. - The NT-29 automatic multicut lathe. p. 39.

Gavrilov, V.N. - Conference on the design, manufacture, and use of broaches. p. 40.

Books, dissertations, periodicals. p. 42.

Vol. 34, no. 10, Oct. 1963.

Table of contents translated:

Kudinov, V.A. - Dynamic characteristics of metal cutting. p. 1.

Levit, G.A., Lur'e, B.G. - Design of hydrostatic open guides. p. 7.

Rivin, E.I., Kotliarenko, L.B. - Preparing a design chart for dynamic calculations of gearboxes. p. 13.

Kotsiubinskii, O.IU., and others. - Selecting cast-iron brands for the manufacture of machine-tool base parts. p. 18.

Naumov, IU.I. - Modernization and automation of the IA62 lathe. p. 21.

Finkel', Kh.IA., Cherpakov, B.I., Babadzhanian, Z.S. - Automatic control of a centerless grinding machine. p. 23.

Fragin, I.E. - Honing of tractor engine bushings with bars made of synthetic diamond powder. p. 25.

Babichev, A.P. - Optimum values for the radial feed of abrasive bars in honing. p. 27.

Zhitnitskii, S.I. - Investigating the effect of some factors on the shear of borders of cast-iron parts caused by broaching. p. 29.

Kaleshin, A.G., Kovzel', N.I., Rabinovich, E.I. - Broaching deep holes in cast-iron parts. p. 30.

Levin, Z.D. - Using the anode-mechanical method of manufacturing form cutters reinforced with hard alloy. p. 32.

Somko, M.F., Kacher, V.A. - Machinability of Getinaks on milling machines. p. 33.

Babalan, S.A. - Designing the profile of a cam for lateral tool feed on automatic thread-cutting machines. p. 36.

Sheftel', B.T., Sivlakov, K.M. - Modeling the corrugation profile of a rolling-bearing race. p. 37.

Zvonkov, IU.V. - Throttle braking of a hydraulic axial piston engine. p. 38.

Mironov, E.A. - Securing tooth profile precision in shaving gear wheels. p. 40.

Kozlov, M.P. - Chuck for taps. p. 41.

New machine tools. p. 42.

Books, periodicals, dissertations. p. 42.

TEORIIA MASHIN I MEKHANIZMOV [THEORY OF MACHINES AND MECHANISMS]. Issued by Institut mashinovedeniia Otdeleniia tekhnicheskikh nauk Akademii nauk SSSR [Institute of Mechanical Engineering of the Department of Technological Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 92/93, 1962.

Table of contents translated.

Preface. p. 3.

Nikitin, A.A. - Electromechanical speed variator with a wide regulation range. p. 5.

Chang Tz'u-hsien. - Using the method of quadratic matrices of the fourth order for kinematic analysis of lower pair mechanisms. p. 17.

Litvin, F.L., Kuo K'ai. - Investigation of the engagement of bevel gears with normally reduced curved teeth. p. 26.

Anilovich, V.IA., Epshtein, IU.V. - Numerical method and Fourier's series in problems of the analysis of Assur chains with rotating pairs. p. 48.

Borisov, D.S. - Dynamics of steady conditions of step-by-step control systems. p. 69.

Preface. p. 87.

Dobroslavskii, V.L., Veits, V.L. - Solution of the motion equation for a machine in the presence of forces depending on the speed and position of the driving element. p. 88.

Shilakhtin, A.V. - Longitudinal vibrations of a bar with a stepped cross section and concentrated parameters. p. 96.

Soldatkin, E.P. - Three-dimensional equimetric gear transmission with a variable angle of gear-wheel axes. p. 111.

Soldatkin, L.P. - Design of cam-lever mechanisms based on the given rule of motion of the working element with a minimized maximum pressure in the higher pair. p. 128.

Bessonov, A.P. - Motion equation for a plane mechanism with a variable mass in energy form. p. 142.

Zenchenko, V.P. - Structural synthesis of pneumatic systems of automatic machines based on distributors with a one-sided drive. p. 148.

Afonin, A.P. - Unsteady motion of an electric step-by-step motor. p. 153.

No 94/95, 1963.

Table of contents translated.

Preface p 3

Zimin, A.P. - Theoretical substantiation of the increase of tractive capacity of rope-driving friction elements by the use of tightening rollers. p 5

Vul'fson, I.I. - Dynamics of a flexible follower taking damping into consideration. p. 15

Borisenko, L.N. - Application of tangential coordinates to the problems in the theory of machines and mechanisms p 26

Afonin, A.P., Borisov, D.S., Kobrinskii, A.E. - Subharmonic motion conditions of electric step-by-step motors. p. 34

Artobolevskii, I.I. - Curvature of linearly enveloping connecting-rod curves p. 41.

Artobolevskii, I.I., and others. - Kinematics of mechanisms; German-English-Russian terminological dictionary. p 54.

Preface p. 69.

Artobolevskii, S.I. - Theoretical foundations for the automation of discrete technological processes p 70

Shashkin, A.S. - Synthesis of a lever-gear mechanism with stops. p 88

Poletskii, A.T., Esin, G.D., Zav'ialov, G.A. - Stability and frequencies of natural vibrations of a centrifugal clutch p. 111.

Krylov, N.N. - Curvature of surfaces having a linear contact. p. 119.

Afonin, A.P., and others - Experimental investigation of the dynamics of an electric step-by-step motor. p 127.

TRAKTORY I SEL'KHOZMASHINY [TRACTORS AND AGRICULTURAL MACHINERY]. Organ of Gosudarstvennyi komitet avtotraktornogo i sel'skokhoziaistvennogo mashinostroeniia pri Gosplane SSSR [State Committee for the Tractor and Agricultural Machinery Industry, Attached to the State Planning Committee of the U.S.S.R.] Moscow, vol. 33, no. 3, Mar. 1963.

Table of contents translated:

Vydrin, K.S. - Work of the designing organizations of the tractor and agricultural machine manufacture p. 1.

Stradymov, F.IA., Diadiushko, V.P., Dvoinikov, A. - Wear resistance of the engine elements of the T-75 and MTZ-5MS high-speed tractors. p 3.

Efros, V.V., Chirik, P.I. - Effect of the degree of compression on the indices of an engine with volumetric film carburation in an open chamber. p. 6.

Levitanus, A.D., Kaimazin, E.I., Romen, A.A. - Bench testing of the frames of crawler tractors for fatigue strength. p. 8.

Epshtein, IU.V., Rapota, E.P., Lebedinskii, G.V. - The best external balancing of a two-cylinder engine. p. 11.

Troshchinskii, I.A. - Studying the dynamics of the 0.6t-class mountain tractor. p. 15.

Grokhal'skii, G., Poleshik, S. - Automatic apparatus for measuring fuel consumption. p. 18.

Karabanov, I.I. - Remarks on the article by I.S. Kav'iarov and B.M. Pozin. p. 19.

Zaushitsyn, V.E. - Over-all mechanization of work in animal husbandry. p. 20.

TSitsiv, M.V. - Some problems in the design and calculation of centrifugal atomizers of agricultural sprayers. p. 23.

Doroshev, V.N., Pleshakov, G.F. - Calculating the intake part of a conveyor type plant-top removing machine. p. 26.

Pogodin, N.G. - Apparatus and attachments for testing combines. p. 29.

Lukashevich, N.M. - Investigating grab buckets for the removal of silage from a silo. p. 31.

Koniukhov, R.N., Titarenko, R.M. - Attachment to a corn planter for hill placement of ammonia. p. 32.

Karpov, A.T. - Universal loader as the PDT-1,5 peat winning machine. p. 34.

Pugachev, V.A. - The PZG-3 paste-making machine. p. 34.

Kochenenko, D.V. - The ZhRS-4,9 high-speed windrow harvester. p. 35.

Sidel'nikov, M.S. - From the practices in the organization of auxiliary work at the Volgograd Tractor Plant. p. 36.

Rabinovich, I.P., Kipnis, S.B. - Increasing the service reliability and life span of welded constructions. p. 38.

Gavrilenko, V.S. - Flameless furnaces of a new type for nonoxidating heating of metals for pressing. p. 41.

Romanov, D.I. - Semi-automatic two-position machine for manufacturing crankshafts for combines. p. 43.

Odintsov, L.A. - Device for assembling and dismantling tractor sprockets. p. 45.

Kopylov, M.K. - Testing a tractor cab of increased strength in England. p. 46.

Ryzhikova, A.G. - The "Unimog" tractors. p. 47.

Kharitonov, B.K. - Exhibition of the work of the Scientific Research Institute and the Design Office of the State Committee on Automation and Machinery Manufacture. p. 48.

Vol 33, no 7, July 1963
Table of contents translated
Dmitrichenko, S S., and others - Accelerated testing of the strength of tractors on a proving ground p.1.
Galushko, M D - Improve the technological efficiency of tractor repairing p 5
Grigor'ev, E A - Temperature of the charge in the combustion chamber of a diesel engine during starting p 9.
Krivenko, P M , Galushko, F.L - Experimental investigation of the kinematics of the pressure valve of a fuel pump p 11
Bagaev, M.I - Analytical determination of the optimal conditions of tractor work. p.13
Pustygin, M A - Fourth Congress on Grain Harvesting Machinery p 14
Persinev, S N - Investigating the performance of a reel at increased speeds. p.17.
Kletskin, M.I. - Harvesting sugar beets for forage by stages. p 19
Plishkin, A A , Trufanov, V V - Establishing a complex of tillage machines and implements for areas subjected to wind erosion p 22.
Akoptian, S.A , Shitenko, M.G - Theoretical and actual weight of agricultural machines p 25
Korobeinikov, A T , Loktev, L S - Practices in the use of the KGP-2 potato harvesting combine for sorting sugar beets. p.28
Voida, A.N - The problem of the increase of the operating speed of agricultural machines in Academician V.P.Goriachkin's works p.29.
Rovnyi, G A - Using kerosene and its mixtures with motor fuel for the VPT-400 air preheater. p.31.
Ivanov, A A. - The "KDUE-16-Omichka" circular conveyor-type milking arrangement. p.32.
Sultanov, R S - The KlaSh-60 plant hole digger. p 34.
Detistov, F M - The APP-4-70 tillage and planting unit p.34.
Miagkov, G.T. - The SN-75 semimounted hitch. p.35.
Svet, I Sh - Increasing the strength and durability of splined shafts. p.36.
IAkobson, M.O., Bylov, B.D. - Estimating the level of the development of technological processes in mechanical processing. p.39.
Bartashevich, A.A., Kuchur, E S , Pevzner, E.D. - Reinforced concrete loads for wheeled tractors. p.43.
Golovtsov, N.S , Klan, V.E - Increasing the service reliability of starting systems of the SK-3 and SK-4 self-propelled combines. p.44.
Ryzhikova, A G - The "Merton" industrial tractors. p.46.
Kozlov, IU P. - A good textbook on agricultural machines. p 46.
Trepenenkov, I I , Anokhin, V I. - A new textbook on the theory of tractors and trucks. p.47.
Kalamin, A.I. - Conference on the mechanization of potato growing and harvesting p.48.
Twenty-fifth anniversary of the "Mashgiz" Publishing House. p.3 of cover.

Vol.33, no.8, Aug 1963.
Table of contents translated
Scientific and designing organizations on a new level. p.1.
Stolbushkin, N A - Provide agriculture with high-capacity machinery. p 4.
Gus'kov, V V. - Problems in selecting optimal parameters for prospective crawler tractors. p.5.
Merilov, A.IA. - Observations on the project of possible tractor types. p.8.
Frumkis, I.V , Mininzon, V.I - Investigating the traction component of the hydraulic motor in tractors. p.9.
IAzik, A.V., Kel'shtein, D.M. - Studying the TKR-14-2 turbocompressor p.12.
Vakhtel', V.IU., Baliuk, B.K. - Determining the speed for mounting a valve. p.15.
Mindel', E.M., Barostov, L.P., Kholin, A.I. - Improving work conditions for tractor operators. p.17.
Churbanov, I.S. - Grain cleaning and drying stations for collective and state farms. p.20.
Pankina, L.S., Vorob'ev, V.M. - Testing conveyor-type pick-up mechanisms. p.23.
Godukhin, V.M. - Investigating the performance of the SN-4B planter at increased speeds. p.24.
Nastenko, N.N., Boroshok, L.A. - Automatic height control of the position of the working parts of agricultural machines. p.26.
Peskov, V.G., Kuznetsov, IU.A., Barinova, Z.G. - Machines for clearing fields of stones. p.30.
Kandaulov, N.M. - Toughness of the soil layers of potato beds during the harvesting period. p.33.
Klement'ev, K.V., Bul'bo, V.I. - Experiments in the use of a tensiometer for measuring the hydraulic pressure in the oil pipes of hydraulic equipment. p.34.
Nikolaev, IU.A., Kotov, P.S. - Machines for continuous harvesting of common cabbage. p.36.
Detistov, F.M. - The MVN-4,2 rotary hoe. p 38
Kuznetsov, B., Slutsker, IA - The 2 STSN-5 and STSP-6 sugar beet precision planters p.38.
Miagkov, G.T. - The LDP-10 and LOD-10 wide-range harrow plows. p.40
Spevakov, K S. - Statistical control of the production quality in the tractor and agricultural machinery manufacture. p.41.
Logvin, V.V. - Correcting defects in molding with pastes based on epoxy resin p.43.
Chepigin, G.V., Gul', N S., Chizhov, A P - Experiments in the use of cast iron crankshafts in tractor diesel engines p.44
Ryzhikova, A G - New "John Deere" tractors p.45.
Men'shov, V G., Nikolaev, G.A. - Coordinating conferences on the long-range plan for the design, construction and research work. p.46.
Kharitonov, B K - From the pages of technical journals p.48
Kotovich, O.E. - Reviewing G M.Shatunovskii's book "Engineering efficiency of the design and the economic effectiveness of agricultural machines." p 3 of cover.

VESTNIK MASHINOSTROENIIA [MACHINE BUILDING REVIEW] Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others Moscow, vol.43, no 10, Oct 1963.
Table of contents translated
Problems of ideological work and the technical development p 3
Kragel'skii, I V , Demkin, N B , Sidorenko, G S - Formulas for calculating the area of actual contact p 9
Polukhin, P I , and others - Investigating the strength of the connecting rod of slabbing-mill shears p 13
Khalebskii, N T - Calculating the dimension by rollers for helical gears with an uneven number of teeth p 18
Nezhurin, I.P. - Simple calculation of the dimension by rollers for helical involute gears with an uneven number of teeth p 19.
Danilluk, P M - Calculations for checking cylindrical spur gears with rollers p 21
Zakharov, S.N. - Values of the friction coefficient in tight threaded joints p 24
IAremenko, O V - New type of limiting hydrodynamic clutches p 26
Nikol'skii, L N Selinov I V , Keglin, B G - Work of friction materials in a shock absorber p 33
Pavlovskaia, E I , Rakovskii, V S - Powdered metal filters p 37
Kobrin, M M - Stability of tight joints subjected to cyclic loading p 39
Fomichev, I A , Trofimovich, A N , Prikhod'ko, O G - Using molded wooden plastics in friction units of rolling mills p 40
Prasolov, P F - Calculating the carrying capacity of bearings with plastic balls p 43
Tashkinov, V A - New movable cantilever crane with 3 ton capacity. p 44
Granovskii, G I - Methods for the investigation and selection of cutting conditions for automatic production lines p 46
Elin, K D - Spinning with wall thinning p 55
Popov, E A - Theory of the bending of a wide strip p 58
Petrov, N P , Troshkin, I T , Filippov, A P - Heat treatment of 30KhGSA, 30KhGSNA, 38KhA, and 40KhNVA steels in an endothermic atmosphere p.61
Troitskaia, D N - Effect of atomized fluids on the strength of metal-cutting tools with hard-alloy tips p 63
Venzhega, A S , Belkin, M IA - Effect of grinding conditions on the surface layer quality of rolls for cold rolling. p 68
Zhukov, P.A. - Public office for economic analysis. p 71
Ganshtak, V I , Olkher, K F. - Problems in proper utilization of equipment in the machinery industry p 74.
Bagrinovskii, K A , Bykov, E E - Using electronic computers in the automation of production management at a machinery plant p.78.
Attention, readers! p 83
Kazakov N F., Novikov, I A - Diffusion welding of magnetic alloys p 84
Dem'ianovich, A N - Work of the Scientific Council in increasing the reliability and durability of machines, equipment and devices p 86
Marienbakh, L.M - The Eighteenth All-Union Scientific Technical Conference of Foundry Workers p.88
Review of I.V.Kragel'skii's book "Friction and wear" by A.E.TSikunov, M A Spitsyn. p.90
New books. p 91.
Review of foreign periodicals. p 93.

ZA BEZOPASNOST' DVIZHENIIA [FOR TRAFFIC SAFETY] Issued by Otdel RUD i GAI UVD Ispolkoma Moskovskogo gorsoveta [Traffic Department and the State Automobile Inspection Agency of the Administration of Internal Affairs of the Executive Committee of the Moscow City Soviet]. Moscow, vol 6, no 10(
Oct 1963
Table of contents translated
Lyzlov, S. - Outlooks for a streetcar. p.1.
Loknev, A. - In Krasnaya Presnya. p. 1.
Kapatsin, G. - Poor light. p.4.
Blinking light. p.7.
Bobkov, E. - November. p.8.
Makarov, N. - First rain drops. p.8.
Mashtakov, N. - Mobilization for a competition. p.10.
Maksimov, V. - Thousands of good deeds. p.11.
Mikhailov, V. - It should be like this every day. p.12.
Two letters. p.13.
Rushevskii, P. - Flexible control. p.14.
Rotin, N. - Driver, remember this. p. 4 of cover

ZA RULEM [AT THE WHEEL] Issued by Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol 21, no 6, June 1963
Table of contents translated
Along the road of technical development p 1
Kiselev, N. - University of umpires p 4
Danelian, R - If you are called a sportsman p 4
Pavlov, A. - A continuous process. p 5
IArov, R - Voluntary design office support p 6
Following up on articles. p.7.
Vasil'ev, O. - A good reinforcement. p.7
Leonidov, M - At the front boundaries p 8
Ivanov, M - If you like your work. p.9.
Rogovin, D., Volnich, L. - Tractors until [illegible] tion. p.10
Gofman, IU. - Two-event competition starts [illegible]
Zotov, I. - Without an instructor. p.13
Lopukhin, V. - How to increase the power of the "Tula" engine. p.14.
Potiakov, N. - New tires for racing motorcycles p 15.
Abrosimov, A. - What will it be like? p 16
Egorov, V - Kursk automobile plant p 18
Kulikov, A. - Battery ignition. p.19.
Returning to the published. p.20.
Moscow ring highway. p.21.
Readers suggest. p.22.
Kuba, A. - Automobile camping in Czechoslovakia p.24
Solov'ev, G - In a fog. p 24
Dictated by life. p.25.
Mailbox "Za rulem." p.26.
Gintsburg, M. - Selecting a lubricating oil p 27
Didukh, A. - From Irkutsk to Moscow on a "Vikhr" motor scooter p.27.
P'ianov, S. - Mass participation is our principal objective. p.28.
Seeking advice of readers. p.29.
Bekman, V. - Speed record. p.29.
News of foreign engineering. p.30.
Kaftanov, F. - Consultants. p.32.

Vol.21, no 8, Aug. 1963.
Table of contents translated
Our fighting weapon. p.1.
Festival, review, test. p.2.
Sergeev, A. - Leaning upon active members p 4
Zinger, T. - In a miners' city. p.5.
Rozenshtein, G. - Everything is important p 6
Babyshev, A. - Hero of labor. p.7.
News of Soviet engineering. p.8.
Mitropol'skii, Kh. - The "Kovrovets 175-V" motorcycle. p.9.
Danelian, R. - A great start. p.10.
Agababov, A. - We are responsible for everyone. p.11.
Mikhailov, V. - I am standing at a street crossing. p.12.
Shul'man, B. - This should become a rule. p 13
Chipchin, A. - Stop, red light! p 13.
Club "Amateur-Automobilist." p 14.
Polinkov, N. - Development of the rear engine. p.17.
Gintsburg, M. - Let us talk about starting. p 18
Mailbox "Za rulem." p.19.
Tilevich, M. - There is such a track. p.20.
Konev, V. - One instead of three. p 21.
IArov, R. - Is the ring track not too narrow? p 22
Rallies are organized all over the country p 23
Shestopalov, I. - First in Turku, second in Helsinki p.25.
Gorbunov, V. - Motorcycle and automobile school. p.26.
Emel'ianov, IU. - Success on the Vistula. p.27
Mashinskii, M. - Three records. p.27.
Dictated by life. p.28.
Following up published articles. p.29.
Bookshelf. p.29.
Kuba, A. - "Svet motoru" is our guest. p.30.

ZHELEZNODOROZHNYI TRANSPORT [RAILROAD TRANSPORTATION]. Organ of Ministerstva putei soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol 42, no. 10, Oct. 1963.

Table of contents translated

Kakhidze, G.I. - Potentials for the acceleration of car turnover put into action. p.3.

Tursev, B.P. - New developments in the technology and organization of passenger transportation. p.7.

Nurtsev, I.A.P. - Technological progress and labor organization of railroad employees. p.13.

Rukhlei, G.S. - What has to be done to improve the organization of freight transportation. p.20.

Lebedinec, P.P. - Lengthening the service life of rails. p.24.

Muzylin, L.G., Savinskii, V.I. - Economical use of fuel and electric power. p.30.

Smirnin, N.N. - Increasing the traffic capacity of classification yards. p.33.

Pevshikovskii, I.IA. - Control of energy losses in electric power supply systems. p.36

Pushchevoi, N.I. - Potentials for increasing the efficiency of traction by electric multiple-unit cars. p.39.

Gavrilov, V.I., and others. - Use of aluminum alloys in the construction of freight cars. p.47.

Orekhov, G.I. - Modernization of isothermal cars. p.48.

Skvortsin, I.Z. - Crossings signaling in sections with high-speed traffic. p.51.

Petrovskii, B.I. - Some requirements concerning the automation of station operations. p.55

Feldman, E.A., Temnyi, Kh.A. - Ways for the economic and organizational strengthening of railroad divisions. p.58.

Vitrakuli, A.G. - Some problems of the improvement of the design of freight cars. p.59

Dymnik, P.F., and others. - Utilization of the potentials of the growth of labor productivity on a railroad line. p.61.

Kuroedov, V.A., Nikitin, V.I. - Current maintenance of diesel locomotives on lengthened haul distance sections. p.64.

Mikulik, M.P., Ilimashin, N.A. - Automation of weld ing operations. p.67.

Kuznetsov, N.A., Shtein, V.P. - Advantages of the high-voltage regulation of a.c. locomotives. p.69.

Kirillov, N.I. - Over-all mechanization of car repair and maintenance. p.71.

Mosharkalkov, A.S. - Efficiency of the concentration of freight operations in the stations. p.73.

Shevyrelin, V.A. - Improving the utilization of the capacity of freight cars in the transportation of containers. p.75.

Building modified without ballast. p.77.

Timofeev, I.M. - Efficiency of the transfer of the management of long industrial approach tracks to the jurisdiction of the Ministry of Railroad Transportation. p.78.

Nekrasov, V.P. - Over-all mechanization of track maintenance and repair on narrow-gauge railroads. p.80.

Ikonin, M.S. - Application of a uniform technology. p.84.

Kramer, I. - Development of railroad transportation in the German Democratic Republic. p.85.

News developments in the foreign technology. p.89.

Sokol'nikov, V.M. -Needed textbook of technical and economic calculations. p.92.

Bashuk, A.V., Naumov, P.E. - Improve the planning of freight transportation. p.94.

What hampers the serial production of isothermal cars with mechanical refrigeration. p.96.

h MINING & METALLURGY

AKADEMIIA NAUK SSSR. Izvestiia Metallurgiia i gornoe delo [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Metallurgy and Mining] Moscow, no 5, Sept.-Oct. 1963

Table of contents translated:

Development of superconducting materials. p.3.

Pokhvisnev, A.N., IUsfin, IU.S., Lizunov, F.I. - Magnetic analysis of iron ores. p.13.

Morozov, A.N., Novokhatskii, I.A. - Reduction of manganous oxide by hydrogen. p.18.

Vorontsov, E.S., Ermakov, A.V. - Comparative investigation of the rate of iron oxidation and of its reduction from oxides by the electroconductivity method. p.23.

Grigorian, V.A., Marichev, V.A. - Mechanism of cast iron desulfuration. p.30.

Kolotarsev, V.I., Bezobrazov, S.V. - Desulfuration of liquid carbon ferrochromium in vacuum. p.38.

Effect of the surface activity of components dissolved in iron on the consecutiveness of their oxidation. p.42.

Podergin, V.A., Samsonov, G.V. - Aluminothermic reduction of lanthanum, cerium and praseodymium oxides. p.50.

Siui Tzia-lun [Hsu Chia-lung], and others - Thermodynamic properties of oxygen solutions in Ni-Cr and Ni-Cr-C melts. p.56.

Eremenko, V.N., Nudich, IU.V., Vasilin, M.I. - Surface tension of melts in the system cobalt - tin. p.64.

Malysheva, T.IA., Kuznetsov, E.A. - Determining the chemical composition of metasilicates by the comparative dispersion method of the double refraction. p.67.

Frishov, G.S., Popova, L.A. - Kinetics of the dissolution of silicon, aluminum and magnesium oxides in fused oxides. p.73.

Content of sulfides in granulated blast furnace slags. p.80.

Ushe, F.A., Riabukhin, IU.M. - Regularities of diffusion and viscous flow in fused chlorides. p.84.

Sokolov, O.K. - Effect of temperature on the electric conductivity of fused salts with a cation valence higher than 1. p.89.

Using dimensional analysis for the determination of transverse deformation in rolling. p.92.

Oding, I.A., Alekshkin, G.I. - Effect of temperature on the criteria of stress relaxation in metals. p.98

Kornilov, IA.I., Shimaev, A.IA., Pylaeva, E.N. - Creep of certain metal compounds. p.113.

Ilikhin, V.I. - Determining the time necessary for metal failure under the effect of varying stresses and temperatures. p.116.

Novikov, I.I., Zolotarevskii, V.S., Kenina, E.M. - Effect of temperature on the width of intergranular streaks of liquid phase during the nonequilibrium crystallization of solid solutions. p.121.

Belotskii, A.V., Permiakov, V.G., Petrosian, F.G. - High-temperature X-ray examination of the intermediate transformation of austenite in an iron-nickel-carbon alloy. p.126.

Drits, M.E., and others - Effect of thorium and zinc on the recrystallization of magnesium. p.129.

Volkova, N.M., Altamovskii, S.I., Gel'd, P.V. - Concentration stability limits of vanadium carbide at 1000° C. p.134.

Naumkin, O.P., Ignatov, D.V. - Electronography of the oxidation of thin scandium films. p.141.

Lainer, D.I., Bai, A.S. - Mechanism of titanium oxidation in the 800 - 1000° temperature range. p.145.

Mitrofanov, S.I., Kurochkina, A.V. - Comparing the floatability of chalcocite, digenite, betekhtinite, bornite and galenite. p.152.

Polkin, S.I., Plaksina, L.D., Chanturia, V.A. - Effect of emulsifying and of oxygen on the properties of oleic acid as collector in the selective flotation of pyrochlore-zircon concentrates. p.154.

Zakalinskii, V.M. - Investigating the breaking off of ores by concentrated borehole groups using an electrohydrodynamic analogy method. p.159.

Nikolin, V.I. - Effect of the speed of stress application on the value of the temporary resistance of rocks to compression. p.167.

AKADEMIIA NAUK SSSR. Institut gornykhikh iskopaemykh. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Mineral Fuels. Transactions] Moscow, vol 21, 1963 Khimiia Uglei [Chemistry of coal].

Table of contents translated:

Vvedenskaia, T.E. - Oxidation of oxygen in an alkaline medium of weathered coal in various stages of metamorphism. p.3.

Smirnov, R.N. - Oxidation reaction and some problems of the structure of coal. p.16.

Khrisanfova, A.I., Soboleva, G.N. - Coal oxidation in seams during weathering. p.69.

Khamamirova, A.A. - Investigating the association of germanium with an organic mass of coal. p.86.

Veber, R.A. - Chemical composition of mineral resins. p.89.

Kukharenko, T.A. - Suberite in liptobiolith coal from China. p.109.

Khrisanfova, A.I., Soboleva, G.N. - Grouping Chelemkhovo deposit coals by the degree of their oxidation. p.119.

Kukharenko, T.A. - Data on the composition of peat and the process of its formation as an initial stage in the coal-forming process. p.134.

Mel', P.K., Gorshkova, A.M. - Cellulose of bog plants. p.144.

Prilezhaeva, B.N. and others - Methods of determining varieties of organic sulfur in solid fuels. p.159.

Khrisanfova, A.I., Soboleva, G.N. - Determining elemental sulfur in oxidized coal. p.169.

Fedorovskaia, N.P., Zakharova, A.A. - Volumetric micromethod of sulfur content determination. p.175.

Fedorovskaia, N.P., Zakharova, A.A. - Micromethod for the simultaneous determination of carbon, hydrogen, and sulfur contents. p.179.

Liubimova, S.L. - Using the method of "wet burning" to determine the carbon content in aqueous solutions and solids. p.186.

Fedorovskaia, N.P., Khaskina, I.M. - Micromethod for the determination of chlorine and bromine. p.190.

Fedorovskaia, N.P, Khaskina, I.M., Chumachenko, M.N. - Micromethod for the determination of iodine content. p.197.

Prilezaeva, E.N., and others - Determining sulfur other in solid fuel by the methyl iodide method. p.202.

Vol.22, 1963 Novye metody podgotovki toplivnykh i toplivo-rudnykh materialov i khimicheskaia pererabotka [New methods of preparing fuel and fuel-ore materials and their metallurgical processing].

Table of contents translated

Khodak, L. - Preface. p.3

Kanavets, P.I., and others - Method of chemical catalysis for nodulizing finely ground materials without sintering. p.5.

Kanavets, P.I., Chernykh, V.I., Chibibisova, K.I. - Thermographic investigation of fluxed ore-fuel granules prepared by the method of chemical catalysis. p.31.

Kanavets, P.I., Verbitskaia, O.V. - Investigating processes of carbonization and hardening of fluxed ore-fuel granules. p.45

Chernyshev, A.M., and others - Metallurgical properties of granules prepared by the method of chemical catalysis. p.39.

Al'tshuler, V.S., Kanavets, P.I., Gavrilova, A.A. - Investigating kinetics of the reduction of ore-fuel granules. p.50

Kanavets, P.I., and others. - Experimental pilot plant stand for the nodulizing of finely ground materials by the method of chemical catalysis. p.57

Chernyshev, A.M., and others - Testing granules made by the method of chemical catalysis in a laboratory shaft furnace. p.70

Khodak, L.Z., Malysheva, T.IA. - Changes in phase composition and the mechanism of primary slag formation during the melting of ore-fuel granules. p.79.

Kanavets, P.I., and others. - Pilot plant for the nodulizing of finely ground charge mixtures by the method of chemical catalysis. p.93

Gess, B.A., and others - Experimental blast furnace smelting with replacement in the charge of 20 per cent of the fluxed sinter by granules prepared by chemical catalysis. p.110.

Kanavets, P.I., and others - Using chemical catalysis for nodulizing charge mixtures composed of various raw materials. p.114

Gess, B.A., and others. - Investigating the reduction of iron in carbonaceous ore granules. p.126.

Semenov, L.V., Davydov, V.P. - Ore-fuel granules represent a new efficient material in metallurgy. p.131

Kanavets, P.I., and others. - Thermographic investigation of coal granules for the purpose of studying their behavior during thermal decomposition. p.136.

Kanavets, P.I., and others. - Technological characteristics of granulating coal charges. p.117.

Kanavets, P.I., and others - Obtaining metallurgical coke from weakly-caking coals by the preliminary granulation of coal charge mixtures prior to coking. p.151

Davydov, V.P., Semenov, L.V., Konstantinova, T.N. - Economic efficiency and prospects of introducing the method of coke charge granulation in industry. p.169

ALIUMINIEVYE SPLAVY [ALUMINUM ALLOYS] Moscow, no 1, 1963 Liteinye splavy [Foundry alloys]

Table of contents translated.

Preface. p.3.

Al'tman, M.B., Lotareva, O.B., Postnikov, N.S. - High-strength BAL2 alloy. p.5.

Sil'aeva, V.I. - MVTU-1 aluminum foundry alloy. p.14.

Zakharov, M.V., Novikov, I.I., Rytvin, E.L. - Mechanical and casting properties of alloys in the system Al - Si - Cu. p.22.

Kolobnev, I.F., Basarov, V.M., Shvyreva, L.V. - Heat-resistant, silumin-type alloy for internal combustion engine pistons. p.33.

Al'tman, M.B., and others - Foamed aluminum castings. p.41

Aristova, N.A., and others. - Electron microscopy of alloys in the system Al - Cu, Al - Cu - Mn, Al - Cu - Mn - Ni. p.50

Stromskaia, N.P., and others - Effect of metal inclusions on the properties of aluminum foundry alloys. p.55.

Gokhshtein, M.B. - Quality of primary aluminum. p.73.

Loktionova, N.A. - Increasing the dimensional stability of A19 alloy castings by heat treatment. p.80.

Kolobnev, I.F., Shvyreva, L.V. - Effect of cerium and zirconium on the properties and structure of the A119. p.92.

Loktionova, N.A., Rastvorova, N.M., Breslavtseva, O.P. - Searching for optima heat treating conditions of A119 alloy castings. p.99.

Novikov, I.I., Zolotarevskii, V.S., Portnoi, V.K. - Position of the hot shortness maximum in eutectic-type binary systems. p.114.

Zhkhrov, I. D. - Parameters of the consecutive crystallization of castings p 122
Sirov, M. V., Nikishaev, O. I. - Degassing aluminum alloys by hexachloroethane p. 129
Lekin, G. I., Slotin, V. I. - Industrial application of ultrasonic waves for the degassing of aluminum alloys p 139
Petrunin, V. M., Loktionova, N. A. - Mastering the production of large AL8 alloy castings p. 150.
Arbuzov, B. A., Gorbunov, A. M. - Casting aluminum alloys in permanent molds using shell-molded cores p. 160.
Kovalenko, L. V., Stroganov, G. B., Fomin, A. F. - Metal mold casting of AL19 alloys p 177
Arbuzov, B. A., and others - Casting into chill molds from wooden patterns p. 182.
Orekhanikov, IU. F., Sofer, D. F., Chikhachev, O. P. - Making aluminum alloy parts with intricate internal channels. p. 195
Korotkov, R. A. - Precision casting methods in small-batch and test production. p 202.
Dudin, A. L. - Technological requirements for the mechanization of the chill casting method p 210.
Kuralina, V. A. - Developing new core binding materials p 221
Vasiliskova, A. I., Devkin, M. M. - Cleaning aluminum and magnesium alloy castings with aluminum sand p. 226
Gorbunov, V. M. - Effect of technological factors on the quality of aluminum castings p. 230.

*FIZIKA METALLOV I METALLOVEDENIE [THE PHYSICS OF METALS AND METALLOGRAPHY] Issued by Akademiia nauk SSSR [Academy of Sciences of the U S S R] Sverdlovsk, vol.12, no 6, Dec 1961

Table of contents translated:

Bolotin, G.A., Sokolov, A.V. - Optical properties of a gyroelectric medium. Part 3. Reflection problem for a gyroelectric medium. p. 785.
Likhachev, V.A. - Thermal stresses in textured materials. p. 792.
Guseinov, N.G. - High-frequency magnetic susceptibility of tetragonal and rhombohedral weak ferromagnetic materials. p. 795.
Krivoglaz, M.A., Tikhonova, E.A. - Effect of thermal vibrations in solid solutions on the intensity of regular reflections of X rays and neutrons and the intensity of Mossbauer's lines. p. 801.
Vonsovskii, S.V., Kobelev, L.IA. - Magnetic interaction energy between two systems of interacting electrons p. 814.
Luzhinskaia, M.G., Shur, IA.S., Serikov, V.V. - Characteristics of the magnetic structure of vic-alloy. p. 826.
Zavadskii, E.A., Fakidov, I.G. - Intensity of magnetization of the MnAu2 intermetallic compound in pulsed super-high magnetic fields. p. 832.
Kekalo, I.B., Livshits, B.G. - Internal friction in Invar, depending on temperature, carbon content, intensity of magnetization and time factor. p. 838.
Gindin, I.A., and others - Mechanical properties of sodium in the field of low-temperature polymorphic transformations. p 846.
Arkharov, V.I. - Fields of coherent changes in the structure of crystal lattices during phase transformations in solids. p. 853,
Baskin, M.L., Tret'iakov, V.I., Chaporova, I.N. - Niobium diffusion in titanium carbide in a solid solution of TiC - NbC of equimolar composition. p. 860,
Amonenko, V.M., and others - High-temperature polymorphism of beryllium. p. 865.
Presniakov, A.A., Starikova, G.V. - Nature of anomalies in the plasticity of two-phase brass. p. 870

[T'ao Tsu-tsung] - tion textures of an

ises

Kunin, N.F., Nilov, A.S. - Recovery of induced thermal forces in copper deformed at various speeds. p. 921.
Men', A.N. - Thermodynamic theory of internal friction from relaxation of a special additional parameter. p 923
Trapeznikov, V.A - Method of thickness control of coatings by means of reabsorption. p. 925.
Panin, V.E., and others - Intercrystallite internal adsorption in Cu-Al solid solutions during hardening from high temperatures. p. 927.
Contents of vol. 12. p. 929.
Alphabetical index of vol 12. p. 935.

Vol 16, no 3, Sep. 1963.

Table of contents translated

Tiablikov, S.V. - Equation for the magnetization of an isotropic ferromagnetic material in the case of arbitrary spin p. 321.
Chechernikov, V.I., Bulov, I.V., Savitskii, E.M. - Magnetic properties of alloys in the system iron - gadolinium. p. 324.
Korenev, N.A - Temperature dependence of the intensity of magnetization of chemically deposited nickel films. p. 329.
Parfenov, V.V., Lobastov, IU.P - Magnetization processes of ferromagnetic materials in the region of strong magnetic fields. Part 3: Investigating, on single crystals, the law of magnetization approaching saturation. p. 334
Mikhal'chenko, V.P, Mikhailiuk, I.P, Kushta, G.P. - Calculating the anharmonicity of the thermal vibrations of a crystal lattice during the experimental determination of the integral intensity of X-ray interferences of polycrystals. p. 343.
Izmailov, E.A., Gorbach, V.G., IAkhontov, A.G. - X-ray microbeam investigation of the structure of martensite and austenite during the direct and inverse martensite transformations in Fe-Ni alloys p. 349.
Vlasova, E.N. - Diffusion scattering of X rays and the fine crystal structure of iron-aluminum alloys. p. 355.
Brusilovskii, B.A. - Studying the decomposition of martensite by modeling. p. 361.
Lozinskii, M.G, Mirotvorskii, V.S., Rakhshtadt, A.G. - Effect of tensile stresses on the beryllium bronze aging process. p. 366.
Lysak, L.I., Drachinskaia, A.G. - Effect of the crystal structure imperfections in hardened steel on the martensite decomposition process. p. 370.
Liubchenko, A.P., Sherman, D.G., Tananko, I.A. - Modeling the process of cast iron modification on transparent crystals. p. 378.
Vinogradova, K.I., Galavanov, V.V., Nasledov, D.N. - Obtaining ultrapure InSb crystals by the zone melting method p. 385.
Gel'd, P.V., Gol'tsov, V.A., Shteinberg, M.M. - Effect of intraphase hardening on hydrogen absorption in manganese austenite. p. 394.
Palatnik, L.S., Kosevich, V.M., Moskalev, V.M. - Growing single crystal layers on bismuth by the vacuum condensation method. p. 403.
Lozinskii, M.G., Ferenets, V.IA. - Experimental determination of the role of grain boundaries in the general deformation of platinum during tension at a constant speed and heating from 20 to 1000°. p. 409
Datsko, O.I. - Effect of the mechanical state of ferromagnetic nickel on its internal friction. p. 416.
Demkin, IU.I. - Provocation by pickling of a dislocation movement in single-crystal molybdenum. p. 421.
Grishkevich, A.E., Kunin, N.F. - Plastic tension of copper at various speeds and temperatures. p. 427.
Likhachev, V.A., Malygin, G.A. - Temperature effect on metals. p. 435.
Brainin, I.E., Gubenko, N.V. - Effect of preliminary hardening on the deformation aging processes in low-carbon steel. p. 444.
Finkel', V.M., Zraichenko, V.A., Dolashkina, T.K. - Investigating crack growth in transformer and certain carbon steels. p. 448.
Popov, L.E., and others. - Upper temperature boundary in the phenomena of jumplike flow in alloys and solid solutions. p. 457.
Kashcheev, V.N. - Wear of an analogous friction pair. p. 463.
Shteinberg, M.M., and others. - Effect of addition elements on the heat-resistance of chromium ferrite. p. 467.
Shteinberg, M.M., Zlatkina, A.S., Zhuravlev, L.G. - Effect of addition elements on the mechanical properties of chromium ferrite at high temperatures. p. 474.
Umanskii, IA.S., Chirikov, N.V. - Correction for the divergence in small-angle X-ray scattering. p. 480.
Vlasova, E.N. - Diffusion scattering of X rays, and the real structure of an iron-silicon solid solution. p. 482.
Dunaev, F.N. - Thermomagnetic treatment of ferromagnetic materials. p. 484.
L'vov, G.K. - Critical speed of heating with recrystallization of steel. p. 486.

Potakhin, N.E. - Electron microscopy of the slip and fatigue band structure in copper and nickel. p. 489.
Potakhin, N.E., Terminasov, IU.S. - Microscopy of the development of slip lines in iron and steel during fatigue tests. Report No. 2. p. 191
TSkhai, V.A., Gel'd, P.V. - Shielding of Me-Me bonds in equiatomic transition metal oxides and carbides with a NaCl structure. p. 494
TSkhai, V.A., Gel'd, P.V. - Homogeneity regions of solution areas of the IV and V group transition metals with a NaCl structure. p. 495.

GEOFIZICHESKAIA RAZVEDKA [GEOPHYSICAL PROSPECTING] Issued by Glavnoe upravlenie geologicheskoi okhrany nedr pri Sovete Ministrov SSSR [Main Administration of Geology and the Conservation of Mineral Resources, Attached to the Council of Ministers of the U.S.S.R.] Moscow, no. 12, 1964

Table of contents translated

Gil'bershtein, P.G. - Reflection of longitudinal waves from rectilinear boundaries in piezoceramic plates in cases of oblique incidence p. 4
Riabov, A.V., IAkovlev, A.T. - Conditions for prospecting operations in the shoals of the northwestern part of the Caspian Sea p. 13
Titov, N.D., Brykov, V.D. - Channel by channel oscillographic recording at the SSM-57 field station. p. 19.
Kasatkin, D.P. - Methods of geological interpretation of gravity and magnetic surveys in a 1:200,000 scale p. 22.
IArosh, A.IA. - Determining the depth to the roof of perturbing masses by magnetic and gravitational observations p. 40
Gladkii, K.V. - Calculating the gravitational effect by means of analytic continuation p. 60
Kamenetskii, F.M. - Measurement possibilities with the help of combined contours in electric prospecting by field location p. 62.
Grechukhin, V.V., Neiman, E.A., IAnushkin, IU.P. - Methods of using lateral logging in the Donets Basin coal deposits. p. 74
Belotserkovets, IU.I., Kuznetsov, A.G. - Interpretation of gamma-gamma logging anomalies in Donetsk Basin coal seams. p. 100.
Ostrovskii, M.I., Berman, L.I. - Correlation of Devonian sediments in the southwestern region of the Udmurt A.S.S.R. in connection with petroleum exploration drilling p. 110
Nedostup, G.A. - Gamma ray scintillation counter for the exploration of boreholes. p. 120.

*GEOLOGIIA RUDNYKH MESTOROZHDENII [GEOLOGY OF ORE DEPOSITS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol 5, no 5, Sep.-Oct. 1963

Table of contents translated

Marakushev, A.A. - Effect of the oxidation potential and the alkalinity of solutions on the formation of sulfides and iron oxides under hydrothermal conditions. p. 3.
Kotliar, V.N., Solov'ev, N.N., Tikhonov, N.P. - Geological characteristics of deposits associated with ancient volcanic structures. p. 18.
Bilibina, T.V., Donakov, V.I., Titov, V.K. - Hydrothermal uranium mineralization associated with alkali intrusive complexes. p. 35.
Tananaeva, G.A. - Some characteristics of the genesis of pitchblende and calcite. p. 55.
Kamel, Omar, - Supergene carbonation and the formation of rich residual ores in the Lobedit deposit of the Kursk Magnetic Anomaly. p. 62.
Dobrobol'skaia, M.G. - Mineralization of types of the Sardob lead-zinc deposit (western Kara-Murun) p 80.
Zagoskin, V.A. - Primary zoning in gold ore veins of the middle Vitim mountain country. p. 91.
Merlich, B.V. - Genesis of metacinnabarite from Transcarpathia. p. 95.
Kotliar, V.N., Lugov, S.F. - Interdepartmental conference on "Ore potential of volcanic formations" p 100.

GORNYI ZHURNAL [MINING JOURNAL]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, no. 10, Oct. 1963.

Table of contents translated:

Rzhevskii, V.V., Korobov, S.D. - Use of electronic computers to calculate volumes of strip mining operations. p. 3.
Tabakman, I.B. - Using an electronic computer to study conditions in strip mining operations. p 9
Olevskaia, I.V. - Use of an electronic logical recording apparatus in a control system for an ore dressing plant. p. 12.
Sindarovskii, N.S., Shpital'nikov, A.G., Muralkin, M.I. - Quality of nonferrous metal ores and the profitableness of production (discussion of the article by B.F. Novozhilov). p. 17.

Osmolovskii, V.V., and others. - Improvement of planning and stimulation of interest in bonuses on the part of miners (discussion of the article by A.V. Baronenkov). p.22.
Oganov, G.M. - Expedient parameters for boring with a roller bit. p.25.
Dronov, N.V., Iofin, S.L., Shkarpetin, V.V. - Study of the principles of butt ore recovery through a slot. p.27.
Gorden, S.B., Elisavetskaia, I.S., Butenko, V.L. - General practice of underground bunkering in the Krivoy Rog Basin. p.32
Korshunov, A.P. - Calculation of the haulage capacity of a hydraulic conveying system. p.36.
Narok, G.A., Kashpar, L.N., Medovshchikov, R.S. - Hydraulic rock conveying from excavators and hydraulic spoil disposal in the Lebedinskiy open-pit mine of the Kursk Magnetic Anomaly p.39.
Popov, V.M. - Systems of distance-type and remote control of the operation of mine apparatus p.46.
Tarasevich, G.V., Tarasevich, L.I., Solokha, A.P. Apparatus for protecting hoists. p.51.
Karnazin, V.I., Denisenko, A.I. - Autogenous grinding of Krivoy Rog magnetite-hornfels. p 53.
Miach, T.T., Samoilov, I.G. - Study of the chemical treatment of manganese middlings. p.56
Semioshko, V.M., Gol'dberg, IU.S. - Complete treatment by flotation of 2d-and 3d-class manganese concentrates. p.58.
Lugovskii, S.I., Dymchuk, G.K. - Characterization of mines by the difficulty and efficiency of ventilation. p.61.
Esterov, IA.Kh. - Industrial testing of the PVS-220 portable blasting station. p.67.
Gridchin, V.V. - "Excavator-pit." p.69.
Sidorenko, L.V., Shchedrin, A.N. - More precise determination of the maximum coefficient of hydraulic resistance of tubes. p.69.
Barbin, M.B. - Effect of the time of mixing hydrophobic additives with iron concentrates on filtration. p.70.
Kruglov, K.I. - Moving damper. p.70.
Lavidov, V.A., Zavirov, M.G. - Means of automatically controlling the density of pulp p.71.
Lavrov, V.P, Blekhman, I.I. - Vibratory feeder. p.71.
Lyska, G.D., Bondarenko, V.I. - Eye for joining a hoisting vehicle with a steel cable. p.72.
Berishvili, G.A., Gabidzashvili, V.D. - First Republic Conference on Boring and Blasting held in Tiflis. p.73.
Guzhovnikov, E.A. - All-Union conference on the mechanization of auxiliary operations in pits. p.73.
Volgershtein, A., Golenishcheva, E. - Conference of the readers of the periodical "Gornyi zhurnal" held in Dokuchayevsk. p.74.
[Agupov, A.V. - Reply to the article "Ventilation of open pits with a turbojet engine" by B.A. Semenenko, O.A. Bogaevskii, and V.G. Kibal'nikov. p.75.
Fomin, IA.I. - Technology of dressing Kerch tobacco-colored ores. p.76.
Mel'nikov, N.V. - "Combined transportation in pits" by L.G. Tymovskii. p.77.
Sason, N.S. - "Concentration tables" by I.N. Isaev. p.78.
Semevskii, V.N., Bronnikov, D.M., Nazarchik, A.F. - "Rapid drifting" by B.I. Nifontov. p.79.
New literature on mining. p.80.
Foreign periodical literature. p.80.

KHARKOV. GORNYI INSTITUT. Nauchnye trudy [MINING INSTITUTE. Studies]. Vol.11, 1962 Raboty aspirantov [Papers of graduate students].

Table of contents translated:

Bogolavlenskii, V.A. - Determination of thermophysical constants of rocks under operating conditions. p.3.
Krivoruchko, A.M. - Mass exchange (humidity exchange) in mines. p.16.
Luk'ianov, IU.P. - Study of heat emissions from oxidizing processes in Donets Basin mines. p.22.
Karpukhin, V.D., Zhislina, I.L. - Low temperature oxidation of coals and rocks. p.27.
Karpukhin, V.D., Korotkov, R.P., Medvedev, G.V. - Using photoluminescence analysis to study the distribution of water in a coal massif on injecting it into the seam. p.37.
Stakhanov, A.I., Popkov, S.A. - Analysis of the causes of industrial injuries in mines of the Luganskk Economic Council in 1960. p.46.
Kobiakov, B.S. - Effect of secondary gamma radiation on the results of measuring coal ash. p.60.
Kobiakov, B.S. - Conditions for the maximum continuous control of the relationship of the components of minerals. p.62.
Blazhko, IU.M. - Getting emergency drives for the winches of emergency stairs which are not dependent on the general power network. p.64.
Savenkov, M.I. - Study of the properties of suspensions-solutions as media for gravity mineral dressing. p.61.
Chimenko, L.I. - Conditions of rock bedding in the "speckled clay stage" of the eastern part of the Ukrainian S.S.R. p.70.
Podkolzin, P.S., Kovalevskii, P.I. - Working practice of the hydraulic section of "Zimogor'ye" Mine No. 63 of the "Leninugol'" Trust p.76.
Andreev, G.IA., Shat'ko, I.I. - Experimental method of determining contact pressures in cylindrical parts joined by tightening. p.81.
Rutkas, A.G. - Transfer matrix of a passive multiterminal network. p.94.
TSekanovskii, E.R. - Characteristic functions of unlimited operators. p.95
Polink, M.S., Sveshnikov, I.A. - Increasing the durability of cable-tool drill bits by the method of hard facing with new wear-resistant KhGI alloys. p.101.

LENINGRAD. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ASBESTOVOI PROMYSHLENNOSTI Nauchnye trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF THE ASBESTOS INDUSTRY. Studies]. No 3, 1962

Table of contents translated

Shchedrinskii, M.B., Sidenko, I.P. - Determining and calculating technological indices in chrysotile asbestos ore dressing. p.3.
Belov, M.A. - An efficient output of ore-dressing plants for the treatment of asbestos ores. p.41.
Ognev, A.S. - Making use of fiber fluffing as a method of studying the physicomechanical properties of chrysotile asbestos. p.47.
Ognev, A.S. - Effect of dehydration on the properties of chrysotile asbestos. p.56.
Tokar, N.I., Abend, L.K., Kraineva, E.P. - Physicochemical investigation of asbestos from various deposits. p.62.
Pogadaeva, T.M., Argunov, E.I. - Equipment for the automatic assaying for moisture of asbestos ores following their drying. p.104.
Makimov, S.G., Argunov, E.I. - Experience of a year's use of MA-1 metal detectors in ore dressing plants. p.110.

*METALLOVEDENIE I TERMICHESKAIA OBRABOTKA METALLOV [METALS AND HEAT TREATMENT OF METALS]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, no. 11, Nov. 1963.

Table of contents translated:

New objectives for the Soviet economy. p.1.
Smirnova, A.V. - Electron microscopy of structural transformation in the N36KhTIU alloy p.4.
Gorlach, I.A., and others - Effect of heat treatment on the plasticity and magnetic properties of an iron alloy with 16% aluminum. p.8.
Povolotskii, E.G., Dovgalevskii, IA.M., Baitina, V.K. - Effectiveness of a magnetic field in the thermomagnetic treatment of Alnico-type alloys p.10.
Kunakov, IA.N., Livshits, B.G. - Cubic texture in silicon iron. p.15
Malinochka, IA.N. - Austenitizing of gray cast iron. p.20
Aleksandrov, N.N., Il'icheva, L.V. - Structure of aluminum-alloyed cast iron p.25.
Shalashov, V.A - Irradiation and heat treatment of chromous white cast iron. p.31.
Migal, V.P. - Effect of gases on the structure and the graphitization of cast iron. p.35.
Lindskii, V.B. - Wear resistance of manganous cast irons under the effect of sliding friction of cast iron against cast iron without lubrication. p 36.
Khasin, G.A., and others. - Carbide phase in R18 steel. p.40.
Ul'ianov, V.A., Pikus, L.S - Improving the quality of cast rapid steel. p.41.
Ostroumov, V.P. - Hydroabrasive treatment of springs made of patented BI wire. p.42.
Butkevich, L.M., Gridnev, M.P - Effect of low-temperature annealing on the resistance to creep of manometric tubular springs. p.44.
Lokitionova, N.A, and others. - Reducing residual stresses in aluminum alloy ingots. p.46.
Barsukov, V.N., Vishniakov, IA.D, Umanskii, IA.S. - Characteristics of the fine crystal structure of titanium following cold straining. p.48.
Nakhimov, D.M., Bron, D.I., Fertikov, V.G. - Residual stresses in automobile spring bands. p.49.
Pridantsev, M.V., Nazarov, E.G. - Effect of cold, plastic deformation on the properties of the KhN35VTIU alloy. p.52.
Krutasova, E.I, Venkova, L.F. - Microstructure of 12KhMF steel following deformation and subsequent aging. p 53.
Smol'nikov, E.A., Sarmanova, L.M. - Salt mixtures used in Czechoslovakia and the German Democratic Republic for the heat treatment of steel products. p.56.
Properties of steel with a martensite structure obtained from hardened austenite. p.58.
Terminasov, IU. - Third Interuniversity Conference on the Strength and Plasticity of Metals. p.63
New books. pp 64, 3 of cover

METALLURGICHESKAIA I GORNORUDNAIA PROMYSHLENNOST' [METALLURGICAL, MINING, AND ORE-DRESSING INDUSTRIES]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov Ukrainskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research] Kiev, no. 4(22), July-Aug. 1963

Table of contents translated.

Necessity for the proportional expansion of basic ferrous metal enterprises and of their maintenance and repair centers. p.3.
Chernov, N.N., Tkach, N.T. - Comparing the performance of blast furnaces in plants of the Dnieper Economic Region. p.6.
Zapol'skii, A.K. - Methods of desulfuration of cast iron. p.11.
Elimelakh, R.Z., Mershchii, N.P., Alferov, K.S. - Comparing the mechanical and chemical capping of rimmed steel ingots. p.14.
Bragin, V.F., Pometun, G.K. - Experience of the "Zaporozhstal'" plant in making use of the potentials of open-hearth furnace plants. p.20.
Klepanda, V.V. - Determining the durability of iron mill rolls. p.23.
Ivanov, A.P. - Mechanization and the automatic control of pipe mill production. p.27.
Sorokin, V.A., Ivanov, A.I., Rogach, A.P. - Preparation of manganese coke and its use in making converter cast iron. p.32.
Kovshuha, A.A. - Efficient depth of mining Krivoy Rog deposits of rich iron ores. p.34.
Gavrutskii, A.E. - State of the linings of ore hoisting shafts in Krivoy Rog Basin mines. p.36.
Zagorodnyi, A.D., Oleinichenko, I.A. - Improving the technology of stoping operations in chamber systems of mining. p.41.
Bakul', V.N., Poladko, E.P. - Using drill bits of small and reduced diameters. p.44.
Novozhilov, M.G., Tartakovskii, B.N., Gavriliuk, I.I. - Ways of increasing labor productivity in flux limestone quarries of the Ukraine. p.46.
Turuta, N.U., Panchenko, D.I. - Short-delay blasting in open-pits and quarries of the Ukrainian S.S.R. p.50.
Baraev, B.K., IAroslavtseva, L.M. - Industrial testing of 191-A-SE and 167-A-Se separators. p.53.
Titkov, N.P. - Dressing iron ores of the Northern Mining and Ore Dressing Combine. p.55.
Titov, D.I. - Annotations of research carried out by the Technological Institute of Design and Construction for the Dnieper Economic Region. p.59.
Korobko, I.M., and others. - Regulating and measuring vacuum in a sinter strip. p.60.
Kocho, V.S., Korotkevich, V.N. - Investigating temperature conditions of molten ferrous metals. p.64.
Minenko, V.A., Kurilov, P.G. - Efficiency in the production of foundry iron by refining in the ladle. p.67.
Tereshchenko, N.A. - Improving the quality characteristics of rolled products. p.69.
Zalkind, A.S. - Redesign of open-hearth furnaces with a roll-on upper structure and refractory brickwork. p.72.
Astaf'ev, E.I., Katel', L.M. - Rapid fitting of a new furnace bottom. p.74.
Kiselev, I.M. - Sharing progressive practices at the "TSvetmet" plant in Artemovsk. p.74.
Voloshin, A.M., Panfilov, I.D., Ustimenko, A.A. - Ventilating a mine section with the collector-drift in the hanging wall of the ore body. p.76.
Veksel'man, V.M. - Automatic cleaning of spouts in the crushing and sorting plant of the "Severnaia" mine. p.77.
Nemtushchii, V.V. - New mills and devices for rolling nonferrous metals and alloys. p.78.
Conference on the direct production of iron. p.85.
Dmitriev, M.M. - Conference of specialists on the by-products coke industry of the Committee on Coal in the European Economic Commission of the United Nations. p.85.
Basic technical and economic indices of metallurgical plant operations in the Ukrainian S.S.R. during the period from 1958 to 1962 and some indices for the first quarter of 1963. p.88.
Fedorovskii, N.V., Skliarenko, N.K. - Nodulizing of ores and concentrates. p.90.
Skliarenko, N.K. - Technical trends in the expansion of blast furnace practices in the United States. p.91.
Ore blending system [translated by N.K. Skliarenko]. p.93.
Diesel-powered truck [translated by I.S. Maiboroda]. p.94.
Boring and ore loading at the "Sendvis" mine [translated by I.S. Maiboroda]. p.94.
Chernyshenko, O.A. - World production of manganese ore. p.95.

No 5(23), Sep.-Oct. 1963.
Table of contents translated

Galitov, M S , Zhuravlev, I P , Netrebko, P G. - Operation of blast furnaces with a capacity of 2 000 m3. p 3.
Zhak, A M - Making ferromanganese from a sinter of Nikopol' deposit manganese ores. p 9.
Ataosheveskii, S. L , Popov, N N. - Temperature control of cast iron and slag at blast furnace outlets. p 11.
Bornatskii, I I - Improving the preparation of raw materials for steel smelting. p. 14.
Lapitskii, V. I., and others - Effect of the technology of making and pouring steel on the formation of internal laps in rolled pipe p. 17.
Konashko, N P - Dependence of the mechanical properties of bessemer steel on its chemical composition. p 19
Chekmarev, A P., and others. - Investigating the wear of working and backing rolls on continuous hot rolling sheet mill p. 23.
Savkin, P.V., and others - Use of converter metal for the manufacture of electrically welded pipe. p. 28.
Didenko, V E - Blast furnace coke from Ukrainian by-product coke plants. p 31
Kiselev, I M. - White zircon applications in the metallurgical industry. p. 34.
Georgievskii, IU I - Equipment for the automatic control of the operating conditions of an aluminum electrolytic cell. p 37.
Kovshulia, A.A. - Economic use of rich iron ores from the Krivoy Rog Region p. 42.
Bezukh, V.R., Polishchuk, A.K. - Distribution of ore losses in stoped-out areas p. 46.
Alekseev, F.K., Mordovets, N.S , Malvi, I S. - Improving the technology of mining operations at the Ingulets Mining and Ore Dressing Combine. p. 48.
Vashchenko, V.S., and others. - Improving the operating efficiency at the "Gigant" mine. p. 52.
Mikhailov, IU I , Chirko., IU I , Maveev, A. A. - Opening the northern group of mines in the Krivoy Rog Basin. p. 56.
Shestakov, M M , and others - Construction and operation of automobile roads in Krivoy Rog Basin open-cut mines. p. 61.
Kocho, V.S , and others - Heating open-hearth furnaces with hot natural gas. p. 65.
Khitrik, S.I., and others. - Making manganese metal on a phosphorous-free slag from first-grade Nikol' manganese ore. p. 66.
Meshkovskii, G.A. - Modeling the drawing of ore from blocks with sloping walls. p. 68.
Ishchuk, N.IA , Prokhorenko, K.K., Emel'ianenko, IU.G. - Using exothermic mixtures to obtain slag during steel pouring. p 72.
Moshkevich, E I., Mininzon, R.D - Improving the plasticity of Kh23N 18 heat-resistant steel. p. 76.
Pavlenko, I.I., Skolkin, M.F., Karleba, L.S. - Casting killed steel testing rams. p. 76.
Astsaturov, V.N., Revun, M.P. - Distribution of combustion products between soaking pit regenerators. p. 77.
Krivoshev, A G. - Arrangement for the transfer of excavators from one area to another. p. 79.
All-Union conference of party committee secretaries in enterprises of ferrous metallurgy. p. 80.
Zaikov, S P. - Meeting of the scientific technological commission on expanding and improving converter steelmaking in the Ukraine. p 81.
Astakhov, A G., Fedorovskii, N.V. - Conference on pelletizing ores and finely ground concentrates. p 82.
Smoliarenko, D.A., Smoliarenko, V.D. - Conference of United States steelmakers. p 84.
Skliarenko, N.K. - Refractories in the United States ferrous metallurgy. p. 86
Shitov, A.A. - Expansion of steel vacuuming in foreign countries. p. 88.
Kontukh, V.IA. - Effect of certain factors on the combustion process of liquid fuel. p. 90.
Industrial capacity in ferrous metallurgy of capitalist countries (in millions of tons). p. 91.
Cast iron production in capitalist countries (in millions of tons). p 92.
Steel production in capitalist countries (in millions of tons). p 92.
The use of explosives in Swedish mines. p. 93.

MOSCOW. INSTITUT GORNOGO DELA IMENI A A SKOCHINSKOGO. Nauchnye soobshcheniia [A A. SKOCHINSKII INSTITUTE OF MINING. Scientific Reports] Vol 18, 1963

Table of contents translated

Ustinov, M.I. - Determining the place in mine blocks for putting shafts across the pitch of layer formations. p. 3.
Gendel', K.K. - Leaving rocks in mines of the central Donets Basin. p. 13.
Popova, E.G., Malyshev, A.G. - Ways of reducing the consumption of wood materials in working Kuznetsk Basin seams by means of inclined layers with hydraulic filling. p. 19.
Mel'nikov, S.S. - Introduction of auger mining in the Lvov-Volyn' Basin p. 29.
Annenkov, B A. - Irregularity of methane escape in walls of coal mines. p 39.
Poplavskii, S.F. - Role of subordinate development workings in the gas balance of hydraulic sections in mining systems with short stopes. p 53
Igna'tev, A.D - Preliminary weakening of a coal massif to increase mining efficiency. p 60
Adamidze, D.I. - Results of experimental commercial introduction of coal breaking by compressed air. p 64.
Panfilov, E.I - Effect of the diameter of the explosive charge on the piece-size distribution of broken ore in working veins. p. 72.
Makarov, N I. - Relation between the rate of drilling with rock drills and the depth of the boreholes and the shape and diameter of the bit. p 80.
Fugzan, M.D. - Classification of one-stage working of thick ore deposits with caving of ore and enclosing rocks. p. 88.
Mamsurov, L.A. - Criteria of labor consumption of systems for working flat and inclined vein deposits. p. 100.
Agoshkov, M.I., Trebukov, A L. - Effect of filling the mined-out area on the bearing capacity of pillars. p 104
Chzhu Zhui-gen [Chu Jui-keng]. - Study of the stability of bank slopes under external loads. p 108
Baron, L I , Kurbatov, V.M. - More on compression diagrams of hard rocks. p. 114.
Sokolinskii, V.B. - Using the wave method to calculate the dynamics of a percussion tool. p 121.
Krasnikov, IU D. - Methodology of testing and designing the chain traction part of plows. p. 132.
Dolgov, V.L. - Analysis of the operation of the working parts of cutter-loaders for selective mining of coal and rock p. 136.
Goncharevich, I.F., Sakhno, N.G. - Some regularities in transporting by vibrating conveyors with nonsymmetrical characteristics of the elastic couplings p 144.
Men'kova, N.M - Design of the construction parameters of shot clutches with a driving housing. p 151.
Petrenko, B.A. - Sparkproof features of electric networks containing inductance and capacitance p. 164.
Egorov, N.K. - Study of some parameters of new materials for mine timbering. p. 173.
Dobrovol'skii, V.V. - Method of designing a pulp thickener in the pipeline. p. 182.
Buldakov, I.I. - Density distribution in a transversal section of the flow of a hydraulic mixture. p 187.
Davydov, V V., Grankin, I.G., Zhukovin, D.I. - Apparatus for determining and automatically recording the hardening time of resins. p. 192.
Selnov, N.P - Classification of the granulometric composition of blasted rock in open-pit workings p. 197
Semenov, A.P , and others. - Anchor or rod (mining terms)? p. 201.
Improving systems and technology for underground mining of thick ore deposits in connection with the use of new forms of mechanization, in connection with the All-Union Conference in Moscow. p. 204.
Fugzan, M.D. - Problems in blasting. p. 210

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PODZEMNOI GAZIFIKATSII UGLEI Nauchnye trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF UNDERGROUND COAL GASIFICATION. Studies] Moscow, no. 9, 1963

Table of contents translated

Nusinov, G.O., and others. - Underground gasification in flooded areas of a coal seam. p. 3.
Leonovich, K.M., Lysenko, N.F. - Instrument measurement of the rate of heat and mass exchange between gas flows and enclosing walls. p. 7.
Efremochkin, N.V., Khvoinskaia, R.S. - Draining operating gas producing sections Nos. 8 and 9 in the Moscow Station "Podzemgaz." p. 22.
Valentsov, V.G - Conditions of the formation of the Shatsk deposit coal seam, its petrographic composition, quality, the physicochemical features of the coal, its fracturing and structure. p. 28.
Antonova, R.I., Fisenko, N.E. - Preliminary results of draining a section of the southern Sinel'nikovo experimental underground coal gasification station. p. 43.
Kuznetsov, G.N., Kazak, V.N., Sheinin, V.I. - Study of the stability of curvilinear shapes of roof supports on volumetric models. p. 48.
Smirnov, V.G., Petrovicheva, V.M. - Possibility and expediency of drilling vertical holes with water flushing. p. 74.
Reznikov, A.D., Liandres, S.N., Khar'kov, L.A. - Study of electrical linking of boreholes in the Angren Station "Podzemgaz." p. 80.
Krein, G.F. - Study of various systems and parameters for electrical linking on an electrolytic model. p. 85.
Smirnov, V.G., Zhukov, V.V. - Ways of improving drilling technology and borehole construction of underground gas producers of the Angren Station "Podzemgaz." p. 91.
Bellanova, E.M. - New control devices for underground gasification of coal. p. 98.
Smirnov, V.G. - Preliminary results of the industrial introduction of the ANB-30 drilling rig. p. 103.
Semenenko, D.K. - Effect of gas losses on [illegible] p 111.
Lushnikov, S A., IUrchenko, V.P - Experimental operations in the field of underground coal gasification carried on in the U.S.A. in 1960 p 115

NEFTIANIK [THE PETROLEUM WORKER] Ezhemesiachnyi, Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U S S R.] and others. Moscow, vol 8, no 6 June 1963

Table of contents translated:

Sergeev, A. - Standard-bearers of the communist movement. p. 1.
Lazarev, G.A. - Volunteer office of economic [illegible] p. 4.
Nazarov, S.S. - Produce petroleum at a reduced [illegible] p. 6.
Ataev, Oraz - How our brigade of communist labor is working. p. 6.
Ishemguzhin, S. - A deputy, an outstanding petroleum worker. p. 10.
Abramian, A.A. - Geldarali Aliev. p. 11.
Syrovatskii, A. - A deserved trust. p. 12.
Nikishin, G.I. - A brigade of communist labor in search of us (to be continued). p. 14.
Shilov, V. - A promoter of good initiatives. p. 17.
Krukovskii, V. - From the life experience of a worker-man. p. 18.
A sector of the Young Communist League. p. 19.
Martynlak, M.V. - Striving for the title of collective of communist labor. p. 22.
Askerov, Razim - A good assistant. p. 24.
Nizhegorodtsev, P. - Undersea gas pipeline. p. 25.
Ovsiannikov, IU.A. - State Committee on fuel production attached to the State Planning Committee of the Council of Ministers of the U.S.S.R. p. 27.
Ponomarenko, B. - A highly honorable title imposes new obligations. p. 27.
Vinnik, K. - Improvement of labor protection and safety engineering. p. 27.
Exchange of experience. p. 28.
Bibliography. p. 36.

*OGNEUPORY [REFRACTORIES]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U. S. S. R.] and others. Moscow, vol. 28, no. 10, 1963.

Table of contents translated.

Lur'e, M.A., Kamenetskii, IU.L., Volchenok, M.Kh. - Economic efficiency of introducing new equipment in the manufacture of refractories p. 433.
Zhikharevich, S.A., and others. - Replacing metal, circular-flanged ingot steels by graphite reusable ones. p. 437.
Rudakov, M.A. - Improving the design of foam filters p. 443.
Solov'eva, M.E., Solov'ev, I.F. - Operating tunnel kilns on natural gas. p. 445.
Belova, M.I., Landa, IA.A. - Using the chromatographic method for the analysis of mazut combustion products. p. 449.
Babukhin, M.N., Lhandkala, A.L. - Automatic feeding of the batch into pressing molds. p. 452.
Shestopalov, N.F. - Automatic weighing of the batch p. 454.
Kaibicheva, M.N., Terekhina, P IA. - Stability of linings in steel-melting arc furnaces. p. 456.
Dolgina, G.Z. - Testing of prestabilized dolomite firebrick in the lining of a basic cupola. p. 459
Sukhov, A.A. - Protecting the heels of tank furnace crowns. p. 464.
Lande, P.A., Varvarina, A.I., Ivanova, Z.N. - Testing the sound method in the quality control of stoppers for steel pouring ladles. p. 466.
Strelov, K.K., Dessonov, A.F. - Classification of porosities in refractory materials. p. 469.
IAsinskaia, G.A., Kogan, S.F. - Refractory materials for the production of zinc white. p. 472.
Kondrasheva, A.L. - Methods of quantitative determination of ferrous oxide in raw materials. p 475
Vasiuk, A.S. - Device for mold changing on friction presses. p. 479.

RAZVEDOCHNAIA I PROMYSLOVAIA GEOFIZIKA [PROSPECTING AND INDUSTRIAL GEOPHYSICS] Issued by Vsesoiuznyi nauchno-issledovatel'skii institut geofizicheskikh metodov razvedki [All-Union Scientific Research Institute of Geophysical Methods of Prospecting]. Moscow, no. 42, 1961.

Table of contents translated

Bol'shikh, S.F. - UZS-2-60 seismoscope. p. 3
Vartanov, S.P. - Additional possibilities of geological interpretation of seismic prospecting by the reflection method under deep-water conditions as exemplified in the southeastern Caspian Sea p 13

Galkin, I.N., Kichin, N.N. - Use of the amplifiers of the SS-30/60 KMPB [correlation method of refraction waves] seismic station for deep seismic probing. p.29.

Vishnikov, E.P. - Newly designed borer for the installation of SPM-16 seismographs p 39.

Mazhuk, L.IA., Zubov, V.G. - Computing automatic compensator using KSR-T1 crystal triodes p.41

Kamenetskii, F.M., Kovalenko, V.F. - High-speed contactor for an electric prospecting station, performing according to the method of transient processes. p.48.

Rumyantsev, N.N., Romanova, I.A - Practice of using highly accurate gravity prospecting to study primary diamond deposits under conditions of trappean formations. p.55

Egorov, A.P., Nemtsov, L.D. - Practice of conducting semidetailed gravity surveys under the taiga conditions of Siberia p 62.

Abel'skii, M.E. - Some improvements of the GAK-ZM gravimeter. p.72.

Petrosian, L.G., Bairamova, R.G. - Micro Laterlog modeling. p.77.

Rogov, B.I., Kuntsov, K.S. - Gamma-50 portable device for radioactive logging p.82

Sokhranov, N.N., Gerasimov, N.N. - AKS-4 automatic logging laboratory. p.95

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia Izvestiia vysshikh uchebnykh zavedenii, chernaia metallurgiia [Ministry of Higher and Secondary Specialized Education Bulletin of the Institutions of Higher Learning, Ferrous Metallurgy]. Moscow, vol.6, no 8, 1963

Table of contents translated

Leschenko, V.I., Rostovtsev, S.T. - Silicon reduction in the systems SiO_2 - Fe_2O_3 and SiO_2 - CaO. p.5.

Shurygin, P.M., Zil'bergleit, B.I. - Reactive diffusion of carbon, silicon, and phosphorus in their alloys with iron. p.13.

Sotnikov, A.I., Esin, O.A., Nikitin, IU.P. - Electrochemical investigation of the decarburization reaction in kinetic conditions. p.19.

Lapiev, D.M. - Methods of calculating the entropy and the heat of transition of a component from one standard state to another. p.24.

Burylev, B.P. - Applying the theory of regular solutions to liquid alloys of silicon with elements of periods II to V. p.35.

Korotich, V.I., Puzanov, V.P. - Standardizing methods of investigating the softening of iron ore materials. p.41.

Bratchikov, S.G., and others. - Calculating temperatures during the sintering process. p.47.

Lapitskii, V.I., Reshetnik, IU.S. - Metal and slag composition during the blowing of converters by oxygen p 54.

Gelfman, A.V., Medzhibozhskii, M.IA - Effect of temperature on the speed of the decarburization process in open-hearth furnaces. p.57.

Nikitin, B.M., Chuiko, N.M. - Role of the electric resistance of slag in electric arc, steel-smelting furnaces p.60.

Bolarshinov, M.I., Gaitsuk, N.F. - Role of the geometric factor of deformation in the development of torsion of a blank section during rolling p.68.

Shvetkin, V.V., Slavin, V.B. - Investigating stresses in the forcing of a tube through the hole of a die. p.72.

Sviegin, S.A. - Calculating the resistance of metals to plastic deformation depending on the rate of deformation and the temperature. p 82.

Gun, G.IA., Polukhin, P.I - Some problems of plastic flow in a polygonal strip. p.85.

Sokolov, L.D. - Investigating the temperature-time dependence of the resistance to deformation in metals and steel. p.93.

Nikolaev, V.A. - Calculating specific pressure in rolling in grooves. p.102.

Zaikov, M.A., TSelikov, V.S. - Calculating efficient reduction conditions for hot rolling mills. p.107.

Nekrasov, S.G. - Designing the next to the last oval planishing groove for rolling round steel. p.115.

Pearcy, V.I., Makovichuk, IU.I., Stefanovskaia, N.B - Coagulation of the carbide phase in molybdenum and vanadium steels at temperatures lower than the A_1 point. p.120.

L'vov, G.K., Metlazhev, V.I. - Kinetics of the dissolving of carbon and the recrystallization of commercial iron. p.126.

Grdina, IU.V., TSarapkin, L.V. - Causes for the formation of unevennesses in railroad rails in the process of their manufacture. p.132.

Golorov, A.A., and others. - Effect of the temperature of the end of rolling on the mechanical properties of rail steel. p.137.

Kriapov, B.S., and others. - Effect of various factors on the tendency of steel towards anomalies. p.141.

Krasil'nikov, L.A., Nadezhdina, A.A. - Microstresses in cold-drawn steel wire. p.151.

Tkachenko, F.K., Fomina, E.G. - Nature of temper brittleness in ferritic magnesium cast iron. p.155.

Liudvinskii, A.I., and others. - Testing spinel bricks in the lining of converters with an oxygen blow. p.161.

Oreshkin, P.T. - Theory of the thermoelectromotive force of refractories. p.164

Kocho, V.S., and others. - Investigating the temperature conditions of the bath during its continuous control in the finishing period. p.169.

Baimov, N.I. - The optimum number of passes in rolling on reversing mills. p.175

Sabunov, A.M., Pal'mov, E.V - Experimental investigation of disk shears. p 181.

Shteis, K.A., Samet, I.M., Chesak, V.N. - Economic efficiency of the automatic control of open-hearth furnace plants. p.185.

Vol 6, no.9, 1963

Table of contents translated

Kurzina, T.P., Filippov, S.I - Kinetics of iron oxide reduction by mixtures of carbon oxide and hydrogen. p 5.

Buryiev, B.P - Carbon solubility in liquid iron in the presence of phosphorus. p 11

Popel', S.I., Deriabin, A.A - Surface tension of ShKh15 ball-bearing steel and its adhesion to slag. p 16

Nemtsov, N.S - Distribution of radioisotopes in blast furnace smelting. p.20.

Rabkin, M.A, and others. - Desulfuration of cast iron outside blast furnaces by the reduction of magnesium oxide by aluminum. p 28

Grekov, P.N., Gruzinov, V.K. - Conditions for the sorting of ores. p 33.

Surguchev, G.D., and others. - Automatic control of charging and preheating periods in open-hearth smelting p.39.

TSvetkov, L.V - Possible correlation between thermal conditions and rates of the processes in open-hearth smelting. p.45.

Luzgin, V.F, Vishkarev, A.F, IAvoiskii, V.I. - Determining the deoxidizing properties of elements by the electromotive force method. p.50

Vedernikov, A.A., Perevalov, N.N, Travin, O.V. - Possibility of calculating the oxygen content in open-hearth metal during the finishing period. p.55.

Gankin, V.B., and others. - Primary structure of a continuous ingot of rimmed steel. p.62

Skvortsov, A.A. - Solidification of steel ingots of rectangular cross section in continuous casting equipment. p.68

Panin, V.V., and others - Investigating temperature fields in electric slag ingots p 77.

Panin, V.V, Molchanov, E.I., Plotkin, E.R. - Heat processes during the solidification of ingots following electric slag refining. p.83.

Orzhekhovskii, V.L., and others. - Investigating conditions of high-temperature deformation of high-melting metals. p.88.

Chekmarev, A.P, Klimenko, V.M. - Pressure and flow of metal in rolling with grooved rolls p 92.

Tarnovskii, I.IA, and others. - Increase in metal width and the corresponding speeds of horizontal and vertical rolls on universal blooming mills. p.103.

Polukhin, P.I, Kudriavtsev, A.S., Bets, N.G. - Elastic deformation of rolls on sheet mills. p.110.

Seidaliev, F.S., Shevakin, IU.F. - Calculating reductions during the cross rolling of pipe on mandrels. p.114.

Matveev, B.N., Shevakin, IU.F. - Catching of the metal in the hot rolling of tubes. p.120.

Bolarshinov, M.I., Burykin, A.A. - Springiness during shape rolling. p.126.

Bokshtein, B.S. - Diffusion potential in metals and electrolytes. p.133.

Koledov, L.A., Liublimov, A.P. - Viscosity of diluted aluminum-base metallic solutions. p.136.

Kreshchanovskii, N.S., Sidorenko, M.F. - Effect of inoculators on the viscosity of liquid steels. p.142

Vishnikov, IA.D., Mazo, D.M., Umanskii, IA.S. - Defects of packing in pure cobalt and in cobalt-iron alloys. p.145.

Baranov, A.A. - Structural and volume changes in Co-C and Ni-C alloys during heating and cooling. p.148.

Shul'ga, N.G., Zamoin, M.F. - Dilatometric investigation of phase transformations in high chromium steels. p.156.

Krentsis, R.P., Gel'd, P.V., Kalishevich, G.I. - Thermochemistry of iron silicides. Heat capacity, enthalpy and entropy of FeSi and Fe_2Si_3 p 161

Gridnev, V.N., Cherepin, V.T. - Peculiarities of phase transformations in deformed iron alloys during rapid electric heating. p.169.

Bogachev, I.N., Minis, R.I. - Effect of treatment in fused media on the plasticity of transformer steel. p.174.

Ivantsov, G.I. - Thermal stability of converter iron from large molds cast in sand and metal molds. p 177.

Taran, IU.N., Chernovol, A.V. - Effect of the rate of cast iron cooling on the efficiency of inoculants p.181.

Vasin, IU.P. - Making steel castings with the use of sand-marshallite molding mixtures p 185.

Glinkov, M.A - Ways of developing methods of calculating furnace efficiency p.189

Arutiunov, V.A. - Calculating mixing processes in coaxial turbulent flows. p 194.

Zigmund, F.F. - Calculating temperature elongations in double circulation recuperators. p 202

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia Izvestiia vysshikh uchebnykh zavedenii, neft' i gaz [Ministry of Higher and Secondary Specialized Education Bulletin of the Institutions of Higher Learning, Petroleum and Gas] Moscow, vol.5, no.1, 1962.

Table of contents translated.

Grishin, P.A. - For successful fulfillment of the decisions of the 22d Congress of the CPSU p.3.

Dolitskii, V.A, and others. - Mesozoic sediments of the Korobki field in connection with their gas potential. p.6

Anisimov, L.A - Nature of dislocations in the arched section of the Promyslovoye-Buginskaya zone and their effect on the distribution of oil and gas pools p 13.

Aleksandrov, M.M - Friction in the process of drilling deflected holes with bottom motors and estimating the actual load on the bit p.19.

Lipovetskii, A.IA, Daniushevskii, V.S., Vedishchev, I.A. - Study of the effect of flowing salt solutions on the permeability of cement stone p 23

Bitsuia, V.K. - Interaction of the teeth of the rims of roller bits with rocks. p.29.

Gorodnov, V.D, Adel', I.B, Zhigach, K.F. - Relationship between chemical reagents and the swelling of clay rocks. p.35

Movmyga, G.T., Reznikov, A.N. - Estimating the fracturing of Upper Cretacious limestones of some oil fields of eastern Ciscaucasia p.41

Guseinov, G.P., Nasrullaev, I.A - Interference of perfect wells in an infinite straight line in an elastic drive. p.45.

New books. pp.50, 72, 82, 92, 98.

Chernozhukov, N.I., Shchegrova, K.A. - Separation of sulfur compounds from aromatic hydrocarbons by means of adsorption p.51.

Panchenkov, G.M, and others. - Polymerization of amylenes under the action of high-energy electrons p.57.

Vasilevskaia, IU.D - Diffusion coefficients of binary mixtures of some hydrocarbon vapors into air p.59.

Zakirov, G.V, IAblonskii, V.S. - Time when the zone of mixing approached in consecutive transportation of petroleum and petroleum products. p 65

Ataev, R.E, and others - Inclinometer with noncontact transducers for checking the deflection of a well in electric drilling. p.73.

Bogomolova, M.I., Perfil'eva, A.A. - Using the method of flame photometry to determine the NaCl content of petroleum p.79

Gavrilluk, L.N. - Telemechanical apparatus for deep pumping wells and oil-gathering stations. p 83.

Gleim, V.G., and others - Electrochemical cleaning of petroleum products from the surface of metal p.87.

Khanlarova, A.F, and others. - Using lubricants to control corrosion offshore. p.93.

Bugrov, V.A. - Role of the quality of oil in estimating the economic effectiveness of new methods and equipment in petroleum production. p 99

Pobedonostseva, M.N, Egorov, V.I. - General improvement of methods and equipment is the basis for improving the economic indices of deep drilling. p.105.

Moldavskii, B.S - Hydrostatically screened gas pools and the possibility of finding them. p.111

Bol'shakov, IU.IA. - Lowering and hoisting operations in extra-deep drilling. p.113.

Portnov, I.E. - For what purposes are pipes made of fiber-glass anisotropic material suitable? p.115.

Sadykov, T.M. - Study of drilling installations in petroleum institutions of higher learning. p.116.

Parkhomenko, V.E. - Work of D.I Mendeleev in the Konstantinovskiy Petroleum Refinery. p.117.

SHAKHTNOE STROITEL'STVO [MINE CONSTRUCTION]. Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR and Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR [State Committee for Construction in the U.S.S.R. and the State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol.7, no.8, Aug. 1963.

Table of contents translated

Mine construction workers are active participants in the building of communism. p.1.

Zalesov, O.A. - Dynamic horizontal loads on the lining of vertical mine shafts. p.4.

Petrov, S.A., Zil'bershmidt, V.G. - Testing "detonit" explosives in drifting in hard rocks. p.10.

Sinitsyn, V.A., Smirnov, A.S. - Dip needle for surveying frozen vertical holes in shaft sinking. p.11.

Luk'ianov, V S. - Tapping coal seams subject to outbursts of coal and gas p 13
Davydov, V V. - Reinforcing rocks with a solution of tars and improving additives p 15.
Turchaninov, S. P. - Modeling hydroabrasive wear of pulp ducts p 16.
Kolchin, E. M., Rubtsov, V. A. - Testing various designs of rod bolting. p 17
Petrosian, V K., IUgai, K. A - "Ural-61" drilling machine. p. 19
Khovhlovkin, D. M. - Development of the design of bearing discs for the electric drives of SAP and SAPV sinking pumps. p 20
Ostapenko, A. A., Liakhov, A. V. - Using the UP-3 machine in rapid driving of an inclined drift p 21
Mal'tsev, IU. K., Ivanov, N. I , Isaev, M. M. - Reconstruction of Chapaev Mine No. 2 of the "Frunzeugol'" Trust p 24.
Popii, M. P , and others - Profiling vertical mine shafts from a permanent base. p 25.
Shtumpf, G. G., Bubnov, V. G. - Using metal rods together with regular supports in development workings. p. 28.
Gots, D. L., Kichaev, V. A., Sidorenko, N. I - Punch-type stull rod bolting. p 30.
Belash, A. S., Kovalev, A. F., Linnik, G. F. - Shaft sinking in Westoe, England. p. 32.
Tkachenko, A. N. "Ukraina" Mine begins operation ahead of schedule p 32.

* STAL' [STEEL]. Organ of Gosudarstvennyi Komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee] and others Moscow, vol. 23, no. 10, Oct. 1963.

Table of contents translated:

Improve planning in ferrous metallurgy. p. 865.
Galatonov, A. L. - Effect of the temperature of the blow on the technical, economic, and technological indices of blast furnace smelting. p. 869.
Pokhvisnev, A. N., Rozhavskii, L. I., Zhilkin, N. K. Automatic control of the blast furnace process. p. 875.
Khokhlov, D. G., and others. - Investigating the process of roasting fluxed pellets in shaft furnaces. p. 879.
Kopyrin, I. A., V'iunov, P. P., Plastinin, B. G. - Investigating the reduction process of native-alloy cast iron. p. 884.
Galemin, I. M. - Stability of carbon linings in blast furnaces. p. 887.
Chekhanov, V. D. -New developments in research. p. 888
Fitilev, B. V., Gubert, S. V., Osipov, A. I. - Prospects for expanding the continuous casting of steel. p. 889.
Medzhibozhskii, M. IA. - Ways of intensifying the open-hearth method of steel production. p. 892.
Smirnov, L. A., Kornoev, N. D. - Mechanical and chemical capping of rimmed steel ingots in top casting. p. 894.
Beda, N. I. - Reducing the amount of crop by improving the shape of riser heads. p. 903.
Belgul, E. I., Rokhlin, N. A. - Modernizing steel-pouring ladles. p. 904.
Lur'e, I. N. - Using oxygen in open-hearth furnace practice in the United States. p. 905.
Vanzha, A. N., Machkovskii, V. A. - New developments in research. p. 907.
Khasin, G. A., and others. - Electric slag refining of stainless, heat-resistant steel. p. 908.
Khairutdinov, R. M. - Decarburizing the bath of a large electric furnace. p. 911.
New developments in research. p. 914.
Filippov, I. N., Gunin, I. V. - Investigating the buckling of webs on lightweight I-beams. p. 915.
Tret'iakov, A. V., Garber, E. A. - New methods of calculating [illegible] p. 919.
[illegible] - Investigating applied stresses during rolling on rail and structural steel mills. p. 924.
Kozhevnikov, IU. I., Surovov, I. I. - Main directions in the redesign of pipe mills. p. 925.
Savkin, P. V., Paniushkin, N. V., Berdianskii, M. G. - Ways of improving the performance of automatic pipe mill equipment. p. 927.
Dolgoker, IU. P., and others. - New developments in research. p. 928.
Sokolov, L. D. - Effect of the chemical composition of steels on their strength characteristics at various temperatures. p. 930.
Legeida, N. F. - Selecting the optima conditions of heat hardening of low-carbon rimmed steel. p. 933.
Zalesskaia, E. B., Vol'fson, S. I. - Pipes made of 1Kh3VF steel. p. 935.
Malinochka, IA. N., Maslenkov, S. B., Egorshina, T. V. - Investigating the dendritic liquation of silicon in spring steel with the help of an electronic probe. p. 937.
Rusev, R. D , Radoilska, S. A. - Effect of the chemical composition on the strength of low-alloy reinforcement steel p. 939.
Varnavskii, I. N., and others - New developments in research. p 940.
TSikinovskii, S. L., Demidov, IU. N., Fedorova, E. M. - Potentialities for reducing the cost of cast iron. p. 942.
Chekhanov, V. D - New developments in research p. 944.
Belov, I. V. - Calculating the thermodynamic period in open-hearth smelting p 945.
Varnavskii, I. N., and others - New developments in research. p. 950.
Tarnavskii, A. L., Gaiduchenko, V. I - Making thin, shaped wire with a roller draw die p. 951.
Kokhno, V. I. - Level of initial stresses in high-strength reinforcement wire. p. 954.
Shunin, V. R. - New developments in research. p. 955.
Kritskii, E. L., Minister, M. N. - Industrial television sets for mining, ore dressing and metallurgical industries. p. 956.
Gerbil'skii, G. Sh., Markov, V. A. - Using molybdenum disulfide to lubricate the equipment of rolling mills. p. 958.
Chekhanov, V. D. - New developments in research. p. 959.

UGOL' [COAL] Issued by Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U. S. S. R.] and others Moscow, vol. 38, no. 9(450), Sep. 1963

Table of contents translated

Gorlov, N. S. - Collective of "Baidaevskie Uklony" Mine attempts to fulfill the seven-year plan. p. 1
Gorokhov, P. V., Babkov, V. P. - Fulfillment of the established plan by all enterprises is the basis of the creation of the material and technical base of communism. p. 3.
Gelukh, I. D., Kondrashev, F. S - Mining with caving or filling depends on local conditions. p. 4.
Chernov, O. I., Murashev, V. I. - Filling the mined-out area in the Prokop'yevsk-Kiselevsk area of the Kuznetsk Basin. p. 8.
Murzin, V. A., and others. - Area of use of pneumatic power in coal mines. p. 10
Nasonov, L. N. - Method of calculating rock pressure in individual drift-shaped mine workings p. 12.
Zykov, V. M. - Dimensions across the pitch of mining areas and panels in overall mechanization of stoping operations in flat inclines. p. 15
Gur'ianov, V. V. - Practice of working with loss of metal supports. p. 18.
IUkhimenko, A. G., Sture, B. P - Anchor bolt of plasticized wood. p. 20.
Efficient means of mining coal seams under installations in the Karaganda Basin. p. 22.
Bokii, V. B., Nedodaev, N. V., Reznichenko, V. IA. - Results of observations of the performance of shifting mesh fencing and fill. p. 26.
Simkin, B. A., Lopatin, IU. S. - Selection of optimum conditions for using drilling rigs with roller bits in open-pit mines. p. 30.
Repin, N. IA., Berezniak, M. M., Potapov, M. I. - Improve boring and blasting operations in coal pits of the southern Kuznetsk Basin. p. 34.
Trainis, V. V. - Method of calculating the crushing of coal in pipelines during hydraulic conveying. p. 37.
Posovkin, O., Durakov, V. - Performance of the USB-2 plow. p. 41.
Sivaks, P. Kh. - Technical and economic indices of the "Odesskaia-Komsomol'skaia" Hydraulic Mine No. 2 for the years 1961 and 1962. p. 44.
Kapustin, N. G. - New method of determining from a jet the most advantageous area of the transverse section of workings in the deepest depression of the mine. p. 45.
Chebanov, V. I. - Improve the ventilation layout of mines being reconstructed. p. 48.
Shpak, G. V. - Joint operation of fans and natural pull. p. 50.
Aliferov, V. P., and others. - Characteristics of water ring vacuum pumps used in degassing coal mines. p. 54.
Bel'ke, G. V. - Coal industry of the Hungarian People's Republic. p. 55.
Malets, A. L., Fed'ko, A. M. - Reply to the article by F. M. TSyba "Improved double drift mining system." p. 59.
Nilovskii, V. A. - Resolutions of the Scientific and Technical Council of the State Committee on the Fuel Industry of the State Planning Committee of the Council of Ministers of the U. S. S. R. p. 60.
Rozenberg, F. IA. - All-Union seminar on the study of the state of degassing work in coal mines. p. 62.
Brief news. p. 63.
Preigerzon, G. I. - Review of the book "Flocculation of middlings" by T. G. Fomenko, I. S. Blagova, and A. M. Kotkina. p. 63.
New literature. p. 64.

17. MILITARY & NAVAL SCIENCE

a MILITARY SCIENCE

RODIMYI KRAI [NATIVE LAND] [illegible] volskovoe ob"edinenie [Don Cossack [illegible] Paris, no. 13, Nov.-Dec. 1962, no. [illegible], 1963.

SOVETSKII VOIN [SOVIET SOLDIER] [illegible] politicheskoe upravlenie Sovetskoi [illegible] Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, [illegible] no. 16(986), Aug 1963.

Table of contents translated

Zemnol, Vadim - Bright sun. p. 1
Kochethov, A - Each finds his way [illegible] p.
Anchar skaia, N - When the "Chaika" [illegible] fly. p. 3.
Tunkin, Vladimir. - I live among [illegible]
From the mail of a Soviet soldier [illegible]
Koval'-Volkov, A. - Sons of victory [illegible]
Monastyrskii, B., Krivtsov, N [illegible] exploit. p. 13
Safonov, I. - Night raid p. 13.
Vysheslavskii, Leonid - "Soldiers' [illegible] ing." p. 14
Pokholenchuk, B. - On leave. p. 15
Masalav, A. - Vocation. p. 16.
Nedashkovskaia, I - Meeting p. 19
Kovalev, V. - Fusion of generations [illegible]
Konovalov, L - People of high duty [illegible]
Petrov, V. - Novikov Jr. p. 21
Vinogradov, B - Giant paces to the [illegible]
Lin'kov, Lev - Great channel. p. 26
Ostrovskii, B - Honor of a communist [illegible]
Panov, Nikolai - Bell of a great battle [illegible]
Volokhov, B - In private with one's [illegible]
Sazonov, M., and others - Be honest [illegible] thoughts! p. 41.
Manolov, N. - With a pure heart p. 42
Ponizovskii, V - Fighters of the [illegible] p. 43.
Gnusarev, N., Makarenko, A - We are [illegible] bored p. 44.
Rights and privileges of re-enlistees [illegible]
Why do we speak this way? p. 17.
Chess p. 48

Vol. 45, no. 20(992), Oct. 1963.

Table of contents translated

Belyshev, A. - Carry the baton of [illegible] honor. p. 1.
Kuz'michev, Anatolii. - We are in [illegible] service. p. 3.
Shilingovskii, L., Petrenko, G [illegible] There are courageous men in [illegible]
Ageev, Nikolai. - Lenin saw.... p. 8.
Kravchenko, A. G. - Exploit on the [illegible]
Gzhel'skii, V. - Heroic city. p. 10.
Shilin, N. - It began on the Chagan. p. 1
Reshetnikov, Leonid. - How a blog [illegible] p. 20.
Asanov, Nikolai. - General Mustov p. 21
Otkidach, Valentin. - At different [illegible]
Granat, L. - Chapaev theater. p. 32
Fedorov, V. - Height of the beautiful [illegible]
Ilinga, Evgenii. - First admiral. p. 34
Bellanin, G. - Warm heart. p. 36
Kravchenko, A. - Friends in arms. p. 41
Penkin, F. - Friendship works wonders [illegible]
If you are going to jump, then jump [illegible]
Sturua, M. - Hope of the world. p. 45
Fire on the jetters! p. 46.

Vol. 45, no. 21(993), Nov. 1963

Table of contents translated

Ustinov, IU. - Leninist relay race [illegible]
Lobov, G. - Be like that! p. 2.
Proniakin, IUrii. - I won't let you [illegible]
Zhdanov, N. - Fresh wind. p. 6.
Volokhov, B., Khamov, V. - The rocket's [illegible] tacks. p. 8.
Semenov, I. - If you are detailed for [illegible] p. 13.
Vorob'ev, M. - Our friends, the drivers [illegible]
Dicharov, Zakhar. - Makar Shogin [illegible]
Glebov, N., Shilov, G. - Stepping [illegible] p. 21.
Asanov, Nikolai. - General Musaev [illegible]
Shishkov, V - Song by Emmanuil Kazakevich [illegible]
Sosiura, Vladimir. - To the Soviet Army [illegible]
Zharikov, Andrei. - Our dear young [illegible]
Mal'kov, A. - Comrade airmen [illegible]
Kostina, L. - Pleasant meetings. [illegible]
Darev, Iosif. - Experts. p. 41.
Seregina, L. - Not authorized in the [illegible] tion and equipment. p. 42.

Visual estimation, speed, onslaught p 45
Lashkov, I - Mishka and Mashka p 45
Tarov, S - Black Reichswehr threatens p 46
First yacht club p 47
Chess p 48

VOENNYE ZNANIIA [MILITARY KNOWLEDGE] Organ of Vsesoiuznoe dobrovol'noe obshchestvo sodeistvila armii, aviatsii i floty [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy] Moscow, vol. 39, no 10, Oct. 1963

Table of contents translated

Editorial Tirelessly strengthen civil defense! p. 1.
Sredinov, G. - Constant attention to the military and patriotic education of our youth. p. 3.
Dynasty of submarines. p. 5.
Dalskii, G. - Code of laws on naval service. p. 6.
Noskov, I - Machinegunner p 7.
Klesin, S. - Seaman of the Revolution. p. 8.
Exploit of Vyatka Komsomols. p. 8.
Trifonov, P. - Snipers operate in the forest.... p. 9.
Fedorov, B. - Chemical reconnaissance scouts. p.10.
Baronov, O - Naval electricians. p. 11.
Lesnevskii, S. - Comrades in arms. p. 13.
The "Okun'" attacks. p. 14.
Chegodaev, V. - Voluntary city committee at work p. 15
Vasil'ev, G - Commission for the propaganda of military knowledge p 17
Krutik, Kh - We are getting ready for the starts. p 18.
Shipov, B - Domestic rocket engineering p 19
Vyshinkina, A - Self-help and mutual aid in contamination by toxic chemical agents p 21
Pavlikarov, N - Nuclear weapon p 23
Kurenkov, P - Perfect the organization and method of training p 25
Ivannikov, I - Visually and instructively p 26
Afanas'ev, N - Great defects is an important matter p. 28
Chulitskii, V - Firing from a rifle with an optical sight p 29
Panich, V - Growing sportsman. p. 30.
Kreps, N - Lessons of the Spartakiada p. 31
Kalliberda, V , Rabinovich, I , Belousova, A - How shall we achieve the standard of the second class? p. 32
Kuuz, A - Problems of the combined competition of sea sports p. 33.
Zalatov, L - In the depths of Lake Galvé p 34
Panchenko, A - Work of the OKN and OKN-1M filters with new components p 35
Fourth International. p 35
Bakrov, V - "Trophies" of Ukrainian aqualungers. p. 36.
Nagibin, Viktor. - Height p 37.
Shapiro, A - Seventy-two gold medals. p. 38.
Semenov, S - Combat and heroic traditions p. 39.
Polosin, A. - Immortality. p. 39.
Military calendar p 40

VOENNYI VESTNIK [MILITARY REVIEW]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol. 41, no. 11, Nov. 1961.

Table of contents translated:

The sun of communism is rising above our country! p. 3.
Prepare for the new academic year in a model manner. p. 7.
The delegates to the 22d Congress of the CPSU speak. p. 10.
Mironov, N. - Moral aspect of the communist. p. 22.
Lukin, P. - Soldiers of the Far North are always on the alert! p. 26.
Isakov, G., Svirtaev, I. - Rifle units in attack. p. 27.
Korzun, L. - Coordinated action is the key to victory. p. 32.
Safonov, G. - Tank company on reconnaissance. p. 35.
Kozlovskii, L. - The second echelon joins battle. p. 38.
Medvedev, N. - Battery of 85 mm. guns in attack. p. 41.
Nesterov, V. - After a nuclear attack. p. 45.
Lopatin, V., Shallapin, A. - Special treatment. p. 48.
Dudchenko, A., Ishchenko, A. - Seniors help the juniors. p. 51.
Sevriukov, I. - Training of sergeants in the company. p. 54.
Chuprina, P. - Creativity of students. p. 57.
We evaluate the article. "Calculation of combat and political training." p. 60.
Mikheev, N. - Daily detail; organization and methodology of conducting exercises. p. 62.
Bystrykh, P. - Cadets must acquire habits of command and method. p. 64.
Kulish, A. - Training young driver-mechanics. p. 66.
Vorob'ev, A. - Cadets negotiate a contaminated sector. p. 68.
Redin, N., Pereborskii, G. - Equipment familiarization training for cadets. p. 70.
Myshakov, V., Ivanovskaia, I. - Teaching of foreign languages. p. 72.
Derkach, V. - Forced march of a division p. 74.
Golubev, I. - Training of members of a computing and plotting section. p. 78.
Valentinov, A. - Determination of geodetic data for long-range firing. p. 79.
Markov, E. - Characteristics of antiaircraft field firing. p. 84.
Glaskovich, L. - We train operators in the unit. p. 86.
Udin, I. - So the sky may be clear. p. 89
Kornilov, V. - Don't forget about quality. p. 92.
Vasin, E. - Use of aerial photographs in engineer reconnaissance p. 93.
Shvydko, V., Morozov, N. - We improve mine-planting methods p. 97.
Construction of a combination bridge (solution to special tactical problem published in No. 7, 1961). p. 99.
Kosmodem'ianskii, N - Toward new successes. p. 100.
Zaitsev, A. - Audio generator. p. 102.
Burtachenko, E., Rodin, N. - Was the question properly put? p. 103.
Tolstoi, V. - Closed radio circuit. p. 104.
Pokh, B. - In order to hit the target with the first shot. p. 106.
Savchenko, K. - Pay more attention to firing from direct laying. p. 108.
Martynov, B. - Computation of data with an instrument. p. 111.
Gorshkov, E. - Introduce new advances more boldly. p. 113.
Rzhevskii, I. - Frame for imitating the movement of an armored carrier. p. 115.
Goncharenko, F. - Electrified training ground. p. 117.
Rakhmanov, N. - Radio-equipped plotting board p. 119.
Vlasenko, M. - How to drive sheet-piling better. p. 119.
Kochkin, I. - Collapsible spade for a sighting device. p. 120.
Nilov, N - Tank battalion in a meeting engagement (as revealed by data from the West German press). p. 121.
Dorzhavin, D. - Inexcusable errors. p. 126.
To readers and authors of "Voennyi Vestnik." p. 126.
Chess. p. 127.

Vol. 41, no. 1, Jan. 1962.

Table of contents translated:

Toward new successes. p. 3.
Bychkov, T. - Main principle in the building of the armed forces. p. 8.
IAkovlev, K., Stenin, A., Zaitsev, N. - Soldiers study the materials of the party congress. p. 12.
Pitsura, S. - Landing operation with infantry on tanks. p. 17.
Nikonov, I. - Attack of a tank platoon. p. 21.
Ageev, K., Butiaev, N. - Attack of a rifle platoon. p. 25.
Vinnikov, V. - Develop a highly active defense. p. 26.
Emel'ianov, P. - Solution of engineer tasks. p. 30.
Mol'nik, A. - Combat of artillery with antitank weapons. p. 32.
Markov, L. - Defense against flash radiation. p. 34.
Liutov, I., Vasilenkov, M., Dolgovskii, I. - Discussion of the article by Colonel F. Gavrikov "Defensive operations by rifle units." p. 37.
Answer to the tactical problem published in No. 9, 1961. p. 40.
Ovtsn, L. - Rifle platoon on the attack (tactical and combat exercise). p. 41.
Petrovskii, G., Fomin, N. - Training the tank platoon to attack. p. 44.
Perfilov, N. - Actions in approach march formations and in formation as skirmishers. p. 51.
Saikin, A. - Combat maneuvers on skis. p. 53.
Iovlev, S. - In the interests of education. p. 57.
Kuryiev, N. - Cadets carry out exercises. p. 61.
Glazkov, N. - Night attack. p. 64.
Kratko, K. - Enthusiasts. p. 67.
Bazeev, I. - How to train in firing by direct laying. p. 70.
Zhigur, E. - Calculation of the angle of the datum mark. p. 73.
Alvazov, G. - Characteristics of the firing tables for mountain guns. p. 74.
Zabashnev, F. - Determination of corrections in a surface wind. p. 75.
Sul'man, IA. - Comprehensive training. p. 77.
IAkovlev, A. - Training of range finder operators. p. 80.
Chesnokov, IU. - Determining the characteristics of aerial targets. p. 83.
Temkin, S. - Observe safety measures. p. 84.
Determination of the direction of fire (consultation). p. 85.
Batishchev, V. - The guarantee of success lies in the education of soldiers. p. 87.
Rodionov, V. - Sappers carry out reconnaissance in winter. p. 90.
Krilukov, IU. - Lay-out of entrances into structures. p. 93.
Slavskii, L., Samoilov, R. - Setting up a radio relay station in winter (platoon exercise). p. 95.
Nikolaevskii, K., Budnichenko, M. - Radio operator trainees master the ST-35. p. 97.
Makarov, V., Petrushevskii, I., Dem'ianenko, IU. - Physical exercises for signalmen. p. 99.
Rydanov, V. - Model of the "Wave channel" antenna. p. 101.
Kargopolov, T., Fabrichnov, S. - Skill wins. p. 103.
Odinokov, V., Voroshnin, L. - Training in firing from tanks. p. 104.
Somikolenov, N. - Teach, but do not tutor; reply to the article by Colonel G. Slashchev "Recoilless weapons against tanks", published in No. 7, 1961. p. 108.
Antropov, V. - Operation and maintenance of weapons in winter. p. 111.
Svetushkov, M. - Training field for night exercises. p. 113.
Uspenskii, V. - Audible imitation of sounds of firing. p. 114.
Arzumanov, B., Perekhval'skii, G. - Use of helicopters in battle (as revealed by foreign opinion). p. 117.
Sarkisov, N. - Methods of combatting low-flying targets (as revealed by foreign press data). p. 119.
Foreign military news. p. 122.
Nesterov, V. - Faults in a useful book. p. 124.
These books will be published in 1962. p. 125.
Chess. p. 127.

Vol 43, no 7, July 1963

Table of contents translated

Heroic flight p 3
For militant, efficient ideological work. p 4
Mironov, N - Ideas of communism live and conquer p. 9
Zhadov, A - Shattering defeat of the fascist troops p. 14.
Surchenko, A - Southeast of Orel. p 20
Proshlakov, A - Soldiers with the ensignia of the engineer troops. p 23.
Shepelev, N - Fruits of persistent work. p 26
Levin, V , IAkovlev, K - How success was achieved p. 29.
Murav'ev, N - Contribution of communists and komsomols p 34.
Kondrat'ev, M. - Always forward. p. 36.
Aleshin, I - Reconnaissance in modern combat. p 38.
Ryzhkov, S - Reconnaissance group on an offensive p 41
Samoilenko, IA. - Members of the landing force conduct reconnaissance. p. 43.
Pikin, A. - Role and tasks of artillery reconnaissance p. 46.
Makarov, P - Engineer reconnaissance in an area of nuclear contamination. p. 48.
Kazarian, A., and others. - Tactics of small units in modern combat; discussion of the article in no 2 p. 50
Labezov, G. - Protection from bacteriological weapons p 54
Dednagin, A. - Mastery is forged in the field. p. 56
Isachenko, T , Moseev, Z. - Reconnaissance is conducted by a rifle company. p. 60.
Neifel'd, R - Exercises according to specialties. p. 65
Kuz'kin, I - Reconnaissance training in an area of nuclear contamination p 67
Kostromin, S , and others - "Individual evaluation", discussion of the article published in no. 4. p 71
Tarusin, A - We both teach and educate. p. 74
IAroslavov, V - Complex exercise of an artillery battery. p. 77
Lange, I - Organization of combined observation in a division. p. 80
Gorodetskii, B., Lagunov, E - Reconnaissance of sound targets. p 82
Kashevarov, IU - Determining an azimuth in shortened periods of time. p. 85
Bogdanov, E. - Targets detected at maximum ranges. p. 88.
Galev, V - Detection range of radar stations p. 90
Myslkovskii, V - Radio control systems of antiaircraft rockets. p. 92.
Gorlunov, V. - Knowledge and experience helped. p. 96.
Ivanov, N. - Radio proving ground control panel. p. 98
Karavaev, N - Long-range fire p. 101.
Kramarenko, P., Fedotenkov, I - Organization of fire from an armored carrier. p. 104.
Padalkin, V. - In order to avoid conventions. p. 107
Consultations on artillery fire. p 108.
Colonel Goldbach. - Fight of tanks against antitank guided rocket missiles. p 110.
Man'ko, N. - Radioactivity and the characteristics of radioactive radiation. p. 112
Rzheshevskii, O , Zykov, V. - "Fire brigade" of the Pentagon. p. 116.
Foreign military news p. 120.

Gorlo V - Book about a national hero p 122
Best hockey P Kulikov N - Preparation for the contests in the military "triathlon" p. 125
Kar I A - Chess p 127

b NAVAL SCIENCE

LENINGRAD INSTITUT VODNOGO TRANSPORTA. Trudy, [INSTITUTE OF WATER TRANSPORTATION Transactions] No 35, 1962 Sudovye vspomogatel'nye mekhanizmy i sistemy [Auxiliary ship mechanisms and systems]

Table of contents translated.

Chmiriev, I.A. - Design of a rotary pump with an eccentric displacer. p.5.
Bocharov, V.A. - Analyzing torque converter characteristics. p.5.
Nesterov, Iu.F. - Calculating solar radiation in the design of refrigerator ships. p 12.
Baruta, V.A. - Determining excess heat release for the calculation of machine room ventilation systems on motorships. p. 21.
Neshumin, A.I. - Selecting a type of waste-heat and auxiliary boilers for series-produced river craft. p.30.
Kononov, P.P. - Equipment of standard buoyage service ships and motor launches. p.38.

MORSKOI FLOT [THE MERCHANT MARINE] Issued by Ministerstvo morskogo flota SSSR [Ministry of the Merchant Marine of the U S S R.] Moscow, vol 23, no 8, Aug 1963

Table of contents translated:

We shall put into practice the resolutions of the Plenum of the Central Committee of the CPSU on the ideological aspects of party work. p.1.
Fretlik, A. - Combining ideological training with communist labor. p.3.
Zeal and the thrift of ownership. p.5.
Fisher, E. - Outstanding workers in the Vladivostok harbor fleet. p.6.
Leading ships of the Murmansk steamship line. p.7.
Fuller use of the industrial capacity of sea harbors. p.8.
Poturnak, A. - Flow sheet of the direct method of cargo handling operations by harbors and railroads. p.9.
Zhikharev, N. - Advanced methods for the loading and unloading of ships and cars in the Riga harbor. p.10.
Tomas, O. - Industrial potentialities within harbors to serve the seven-year plan. p.12.
Oglobin, L. - Present state of the means of mechanization and its maintenance by integrated brigades. p.13.
Conference on utilizing the industrial capacity of sea harbors and making apparent their hidden potentialities. p.14.
Bakhovetskii, A. - Effect of raising the eyes of an observer on the accuracy of astronomical observations. p.16.
Semikov, T. - Testing of marine radar responder-beacons at sea. p.17.
Navigation without accidents. p.20.
Gerasimov, I., Nasonov, K., Putilov, V. - Protection of ship mechanisms by liquid inhibited lubricants. p.21.
Barshchevskii, G. - Performance of synchronous generators without excitation in electric ship systems. p.22.
Bolikh, I. - Reliable operation of boilers. p.25.
Dolgikh, O. - Protection of synchronous generators on "Krasnograd"-type motorships. p.26.
Mechanized reseating of valves. p.28.
Sokolov, L., and others - Justification of the architectural and structural type of a universal dry-cargo ship with 3,000-4,000-ton deadweight. p.29.
Izmest'iev, Iu. - Propaganda of progressive practices. p.32.
Reshetniak, I. - Testing mechanisms on stands. p.33.
Turchin, P. - Deck covering made of synthetic materials. p.35.
Bunovets, V. - Bucket chain with removable buckets. p.36.
Poleshchuk, Iu. - Using gyrocompasses in channel dredging. p.38.
Tumm, I. - Admiral of ship sciences. p.39.
Martynovskii, S. - Shipbuilding in Japan. p.41.
Eidel'man, D. - Overturning of undamaged ships. p.42.
Brief news from foreign countries. p.43.
Gogitidze, F. - Manual for marine engineers. p.44.
New developments in labor legislation. p.45.
Good reputation. p.46.
Guide to flaw detection for the industrial services of steamship lines. p.46.
Technical libraries are working in a new way. p.46.
Fully mechanized loading and unloading of cargoes. p.46.
Follow-up of published articles. p.47.

Vol 23, no. 9, Sep. 1963

Table of contents translated

Editorial Higher level of ideological work among seamen p 1.
Fedchenko, G - Communists are leading p 3
Dvornak, B - Guarding the interests of industry. p 6
Mikhasevich, A. - Suggestions on the organization of a pilotage service p 8
Grinberg, IA , Panibratets, N , Odintsov, G. - Potentialities of increasing the efficiency of tank vessel operations. p 10
Brium, A , Kleiman, A - Organizing the removal of imported packaged peace goods from sea harbors by railroad transportation p 12
Zimin, V., Paper, A., Chepulkalin, I - The planning of sea harbor operations should meet modern objectives. p 14.
TSitovich, S - Ballast water from tank vessels and their qualitative and quantitative characteristics. p 17.
Chernyshev, V. - Selecting a type of computing device for the automation of ship handling processes p 20.
Practical advice for using sextants p 22
Vasil'ev, N - Maneuverability and the turning qualities of a ship. p 22.
Mikulinskii, E - Control of ship movements in the British Channel. p 24
Ivanenko, V. - Auxiliary modes of operation for the electric propulsion system on ships of the "Dneproges" - type p. 27.
Vul'fson, V. - Oil extraction from the condensate and the technical characteristics of filter materials and marine feedwater heaters. p 29.
Popov, V - Correct the defects in 3D100-type engines p. 31.
Lekhan, IU. - Operational efficiency and ways of improving the means of regulating air humidity in tank vessel cargo spaces. p 32
Under a pennant of honor. p 33.
Kuz'min, F. - New nitro-lacquer coatings on passenger ships. p. 34
Fomina, A., Sharapov, V - Using portable gas analyzers, GB-3 and PGF-11-54, to measure the concentration of petroleum products vapors. p. 36.
Plastic piping p 37.
Chupiakov, M - Standardization of parts in ship repairing with the use of adapter sets. p 38.
Protecting metals from corrosion by liquid nairit. p 39
Kozlov, S - Full-scale investigation of deformations in an anchored sheet piling. p 40.
Eidel'man, D - Tragedy on the ocean. p. 42
Murashkin, O., Konovalenak, A. - English language for ship engineers. p 44
Rybaltovskii, N. - Interesting book p 44.
Ocean steamer named for the space flight heroine. p. 45.
In the Council of the Odessa Institute of the Merchant Marine. p. 45
Soviet-Bulgarian Navigation Line. p 45.
Progressive crew. p. 15.
'Amundskes" is picking-up speed p. 45
Follow-up of published materials. p 46.

MORSKOI SBORNIK, zhurnal Voenno-Morskogo Flota Soiuza SSR [NAVAL REVIEW, Magazine of the Soviet Navy] Vol. 46(116), no. 7, July 1963

Table of contents translated

A new flotilla of Soviet ships is in cosmic sailing p 3.
The 60th anniversary of the Second Congress of the Russian Social Democratic Party p 5.
Gorshkov, S G - Party's concern about the fleet. p 9
Bakaev, V G - The U S S R. merchant marine is growing. p 19.
Ivashnev, N N , Kozlov, A G - Military collaboration between navies of socialist countries is getting stronger p 28
Diner, I.IA. - Efficient use of the possibilities offered by military cybernetics p. 34
Guidenko, P.D., Briukhanov, IU.A - Use of aviation in marine landing operations. p 42
IAkhnovskii, I.T - Before the revolutionary storm p 49
Germanovich, V G. - Increase the active role of a ship's commander in officer training p 54.
Malorov, V.F. - Preparing calculations for submarine chasers and submarine boats in tactical training centers on shore p. 59.
Seteznev, IU.G - Practice-training of students aboard ship p 63
Rudakov, S IA. - Experience in the training of young replacements p. 65.
Korytov, N V., Pogorel'skii, D I. - Ways of improving the maneuverability of ships. p 67
Butkov, N A., and others. - Protection of cylinder bushings and internal combustion engine blocks against corrosion. p. 73.
On ships, in units, and in naval commands (from data supplied by our volunteer correspondents). p. 79.
Kuzhandskii, S D - Communication with submarines p 80
Brief news of foreign navies p 85
Chernyshev, F I - Books about the heroic past will never be forgotten. p. 89

Vol. 17(116), no. 11, Nov. 1963.

Table of contents translated

Triumphant march of the ideas of the Great October Revolution. p. 3.
Mozhenenko, A.N., IUrasov, R.N. - Patriotic initiatives should be given an active support and wide propagation. p. 10.
Fisiun, M.V. - Party and political work for the strengthening of naval discipline. p. 14.
Kolesnikov, IU.V. - Some categories of naval tactics p. 19.
Khrypov, IU.A. - Military and scientific conference in the Red-Banner Baltic Fleet. p. 24.
IAgunov, E.G. - Application of the analytical navigation methods used in establishing sea transportation plans. p. 30.
Rachkovskii, N.G. - Flights with complex navigation systems. p. 36.
Anisimov, V.I. - Greater attention to the practical training of ship crews. p. 45.
Maliarchuk, V.S. - Navigator training of enlisted boat watch officers. p. 50.
TSyganov, S.M. - Diversify the forms of methodical work. p. 52.
Kozhevnikov, E.I. - Training of students in technical squadrons and schools. p. 55.
Kolodiazhnyi, A.E. - Position finding by three different observations of the sun. p. 61.
Skriabin, S.F. - The kind of practical manual navigation that would be desirable to have. p. 64
Prostakov, A.L. - Prospects for increasing the range of hydroacoustical means of observation. p. 69.
Konstantinov, E.A., Latysheva, K.V. - Protection of the internal surface of circuits in nuclear power plants. p. 74.
TSarev, A.V., Khokhlovskii, N.V. - Academician A.N. Krylov's works on photogrammetry. p. 77.
Belashchenko, T.K. - Racism at the service of American military circles. p. 81.
Brief news of foreign navies. p. 86.
Kharlamov, N.M. - Notable victories. p. 90.

REFERATIVNYI ZHURNAL: VODNYI TRANSPORT [JOURNAL OF ABSTRACTS: WATER TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Moscow, no. 11, Nov. 1963. [This journal is also issued in parts.]

RUSSIA (1923- U.S.S.R.) Ministerstvo morskogo flota Tekhnicheskoe upravlenie. Biulleten' tekhnicheskoi i ekonomicheskoi informatsii [Ministry of the Merchant Marine. Technical Administration. Bulletin of Technical and Economic Information] Leningrad, vol 7, no 12(62), 1962.

Table of contents translated

Bukhanovskii, I.L., Mitrofanov, O.N. - Technical means of preventing collisions at sea. p 1.
Kuropatkin, P.V., Nikol'shpurg, I.R., Konovalov, N.P. - Automatic voltage and current regulators for shunt generators operating on semiconductors p. 10.
Dekin, B.G. - Load conditions on the electric steering gear drive of "Andizhan" ["Hudigeni"]-type ships. p. 16.
Luk'ianov, S.I., Rogalev, B.M. - Output and waste heat techniques in waste heat nonsurface evaporating equipment on motorships. p. 24.
Briker, A.S., Gavrilov, M.N., Kultashev, I.N. - Results of testing the strength and vibration of "Dzhankoy"-type ship hulls. p. 30.
Work experience of the crew of communist labor on the tanker "A. Dzhaparidze." p 35.
Kozen, V.F., Minovich, A.M. - Harbor diesel-electric tugboat of the type "Kosmos" ["Cosmos"]. p. 39
Korotenko, N.I. - Pneumatic floating loader and its loader. p. 46.
Dynin, I.A., Nikushkin, L.A. - Means of mechanization and technological processes of diesel engine repair. p. 52.
Boudarenko, V.S. - Operation of specialized container ships in the United States. p. 65.
Contents of the Bulletin of Technical and Economic Information of the Merchant Marine from No. 1 to No. 12, 1962. p. 78.

SUDOSTROENIE [SHIPBUILDING]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po sudostroeniiu i Nauchno-tekhnicheskoe obshchestvo sudostroitel'noi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for Shipbuilding and the Scientific Technological Society of the Shipbuilding Industry]. Leningrad, vol. 29, no. 9(251), Sep. 1963.

Table of contents translated:

Smoliakov, B. N. - It is inefficient to discontinue the use of knees. p. 1.

Lesnikov, V. F. - Breakdown of the plating during hull frame construction without knees. p. 7
Levitovskii, A. A., and others. - In defense of structural elements without knees p. 9
Epshtein, M. N. - Examples of structural elements made in shipbuilding without the use of knees. p. 11.
Rabkov, L. I. - Deformation of structural elements made without knees p 12.
Dermentiontov, N. K - Remarks concerning the discussion. p. 13.
Stanishin, V. M. - Results of testing a VOU-2000 ship air-drying installation p. 14

Bibliography. pp. 16, 27, 38, 48, 50, 59, 72.
Beshanskaia, L. L. - Results of trials and of the first operational voyage of the gas turbine driven ship "Umbales" p. 17.
Lapin, G. IA. - Economy of multiple chamber adiabatic continuous flow evaporators. p. 20.
Kreshkunov, L. P - Operation of ship evaporators in conditions of low-parameter steam generators. p. 23.
Korneev, G. A. - Graphic method of determining the optima dimensions of exhaust muffler cells for low-frequency noises p. 26

Nornevskii, B. I., Mikhailov, A. V., Sendiurev, V. M - Investigating the parallel operation of marine synchronous generators by mathematical modeling. p. 28
Khaikin, A. B. - Dynamics of electric ship propulsion systems on icebreakers, during the propeller interaction with ice. p. 31.
Gushchin, I. E., Kozhushniak, S. I. - Fiberglass boat of the type "Okun'." p. 36
Bezukladov, V. F - For further technological progress in the expansion of reinforced concrete shipbuilding. p. 39
Kudriavtsev, A. A., Pryshchenko, Iu. I. - Method of increasing the strength and water-tightness of shipbuilding concrete during conditions of its rapid high-temperature curing. p. 40.
Serebrennikov, B. N. - Pontoon made of prestressed heavy reinforced concrete p. 43.
Serebrennikov, B. N., Lapin, E. I. - Results of static testings of an experimental pontoon of prestressed heavy reinforced concrete. p 45.
Breslavets, Z. I., Abrosimova, L. E., Korolev, K. P - Use of epoxy compositions. p. 49.
Kozhushniak, S. I., Rakhman, L. S., Rumiantsev, N. I. - Mooring fittings and towing equipment parts made of fiberglass. p. 51.

Bronshtein, S. I., Zelichenko, A IA. - PK-2 press for die casting of polyamide parts p 51.
Russkikh, L. K. - Use of capron deadwood bushings p 54.
Kozhyshniak, S I., Rakhman, L. S., Rumiantsev, N. I. - Manholes made of glass reinforced plastics for fiberglass boats. p 55
Bulov, P M. - Using plastic parts in shipbuilding and ship repairs. p. 57
Khramkin, M. F. - Steering booster. p 60.
Evteev, V. P., Maksimov, V A. - Using computing machines in ship control systems. p. 65.
Swedish-built ships p. 67.
Danish-built ships p 70
Powerful rack-clamping device p 71
Hydraulic device for nut removal. p. 71.
Rebrov, B. V., Safronov, E. M. - Marine power plants, manual for students of shipbuilding institutes. p. 72.
From materials of reporting conferences p 73.
Out-of-town session of the small craft building section p. 75
Sanchurskii, M. P. - Work of the primary organization of the Scientific Technological Society in the Technical School of Shipbuilding p. 77
Out-of-town session of the Technical Council on reinforced concrete shipbuilding. p 77.
Shipbuilding section in the Scientific Technological Society for Bulgaria. p. 78

722-705 O - 64 - 9

PART C

List of Periodicals Indexed and Abbreviations Used

† Titles listed for the first time

Afr sbor. (4a)	†Afrikanskii sbornik [African Papers]
Agitator (6)	Agitator [Agitator]
Alium splavy (16h)	†Aliuminievye splavy [Aluminum Alloys]
Apt. delo (14f)	Aptechnoe delo [Pharmacy]
Arkh. pat. (14b)	Arkhiv patologii [Archives of Pathology]
Arkhit. SSSR (10b)	Arkhitektura SSSR [Architecture of the U.S.S.R.]
Astron. zhur. (13b)	Astronomicheskii zhurnal [Journal of Astronomy]
Atom. tekh. za rub. (16e)	Atomnaia tekhnika za rubezhom [Nuclear Engineering Abroad]
Avt. dor. (16d)	Avtomobil'nye dorogi [Highways]
Avt. prom. (16g)	Avtomobil'naia promyshlennost' [Automobile Industry]
Avt. transp (16g)	Avtomobil'nyi transport [Automotive Transportation]
Avtom. i telem. (16e)	Avtomatika i telemekhanika [Automatic and Remote Control]
Avtom. svar. (16f)	Akademiia nauk URSR, Kiev. Instytut elektrozvariuvannia. Avtomaticheskaia svarka [Academy of Sciences of the Ukrainian S.S.R. Institute of Electric Welding. Automatic Welding]
Avtom., telem i sviaz' (16e)	Avtomatika, telemekhanika i sviaz' [Automatic Control, Remote Control, and Communications]
Az. i Afr. seg. (1b)	Aziia i Afrika segodnia [Asia and Africa Today]
BIKI [Prilozh.] (5a)	Biulleten' inostrannoi kommercheskoi informatsii, prilozhenie [Bulletin of Foreign Commercial Information, Supplement]
Bibliot SSSR (2b)	Biblioteki SSSR [Libraries of the U.S.S.R.]
Bibliotekar' (2b)	Bibliotekar' [The Librarian]
Biul. Gos. kom. po vop. truda i zar. platy (7)	Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po voprosam truda i zarabotnoi platy. Biulleten' [State Committee on Problems of Labor and Wages. Bulletin]
Biul. Ispol. kom. Mosk. gor. sov. (6)	Moscow. Ispolnitel'nyi komitet. Biulleten' [Executive Committee. Bulletin]
Biul izobr i tov. znak. (16a)	Biulleten' izobretenii i tovarnykh znakov [Bulletin on Inventions and Trademarks]
Biul. Min. vys. i sred. spets. obr SSSR (8a)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Biulleten' [Ministry of Higher and Secondary Specialized Education. Bulletin]
Biul. stroi. tekh. (16d)	Biulleten' stroitel'noi tekhniki [Bulletin of Construction Engineering]

o-issledovatel'skii
i informatsii. Biulleten'
natsii [State Scientific
c and Technical Information,
mic Information]

erstvo morskogo flota.
lleten' tekhniko-ekono-
of the Merchant
tion. Bulletin of
ation]

ournal]

rhood]

er Industry]

shlennost' [Woodworking

Erivan. Doklady
menian S.S.R. Reports]
SSR, Baku. Doklady
erbaijan S.S.R. Reports]
oklady [Academy of
.S.R. Reports]

ademy of Sciences of the

ledovatel'skii institut
. Doklady i soobshcheniia
nstitute of Agricultural
s]

Dokl. TSKHA (15a)	Moscow. Moskovskaia sel'skokhoziaistvennaia akademiia im Timiriazeva. Doklady [Timiriazev Agricultural Academy of Moscow. Reports]
Dop AN URSR (13a)	Akademiia nauk URSR, Kiev. Dopovidi [Academy of Sciences of the Ukrainian S.S.R. Reports]
Doshk. vosp. (8a)	Doshkol'noe vospitanie [Preschool Education]
Doshk. vykh. (8a)	Doshkil'no vykhovannia [Preschool Education]
Ekon. sel'khoz. (5b)	Ekonomika sel'skogo khoziaistva [Economics of Agriculture]
Elek. i tepl. tiaga (16g)	Elektricheskaia i teplovoznaia tiaga [Electric and Diesel Locomotive Traction]
Elek. sta (16c)	Elektricheskie stantsii [Electric Power Stations]
Elektrichestvo (16e)	Elektrichestvo [Electricity]
Elektrotekhnika (16e)	†Elektrotekhnika [Electrical Engineering]
Energetik (16e)	Energetik [Electric Power Technician]
Fiz. met. i metalloved. (16h)	Fizika metallov i metallovedenie [The Physics of Metals and Metallography]
Fiz. tver. tela (13f)	Fizika tverdogo tela [Solid State Physics]
Geofiz. biul. (13f)	Geofizicheskii biulleten' [Geophysical Bulletin]
Geofiz. razved. (16h)	Geofizicheskaia razvedka [Geophysical Prospecting]
Geog. v shkole (12b)	Geografiia v shkole [Geography in Schools]
Geol. rud. mestorozh. (16h)	Geologiia rudnykh mestorozhdenii [Geology of Ore Deposits]
Geomag. i aer. (13f)	Geomagnetizm i aeronomiia [Geomagnetism and Aeronomy]
Gidroliz. i lesokhim. prom. (16c)	Gidroliznaia i lesokhimicheskaia promyshlennost' [Hydrolysis and Wood Chemistry Industry]
Gor. khoz. Mosk. (16d)	Gorodskoe khoziaistvo Moskvy [Municipal Economy of Moscow]
Gor. zhur. (16h)	Gornyi zhurnal [Mining Journal]
Kal. znam. i pam. dat (4a)	Kalendar' znamenatel'nykh i pamiatnykh dat [Calendar of Significant and Memorable Dates]
Kauch. i rez. (16c)	Kauchuk i rezina [Crude and Vulcanized Rubber]
Kaz. med. zhur. (14a)	Kazanskii meditsinskii zhurnal [Kazan Medical Journal]
Khim. sist. uk. st. v inostr. zhur. (13d)	Moscow. Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury. Khimiia; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [All-Union State Library of Foreign Literature. Chemistry; Classed Index of Articles in Foreign Periodicals]
Khim. i tekh. polim. (16c)	Khimiia i tekhnologiia polimerov; sbornik perevodov i obzorov iz inostrannoi periodicheskoi literatury [The Chemistry and Technology of Polymers; Translations and Surveys from Foreign Periodical Literature]
Khim. i tekh. topl. i masel (16c)	Khimiia i tekhnologiia topliv i masel [Chemistry and Technology of Fuel and Oil]
Khim. mashinostr. (16c)	Khimicheskoe mashinostroenie [Chemical Machinery Manufacture]
Khim. prom. (16c)	Khimicheskaia promyshlennost' [Chemical Industries]
Khleb. i kond. prom. (16f)	Khlebopekarnaia i konditerskaia promyshlennost' [Baking and Confectionery Industry]
Khlop. na poliv. zem. (16d)	Khlopkovodstvo na polivnykh zemliakh; ukazatel' literatury [Cotton Growing on Irrigated Lands; Index to the Literature] Issued by TSentral'naia nauchnaia sel'skokhoziaistvennaia biblioteka [Central Agricultural Library]
Khol. tekh (16c)	Kholodil'naia tekhnika [Refrigeration Engineering]
Kin. i kat. (13d)	Kinetika i kataliz [Kinetics and Catalysis]
Kniga; issl. i mat. (2c)	Kniga; issledovaniia i materialy [The Book; Studies and Papers]

Knigi 1953 g (2a)	Moscow Publichnaia biblioteka Knigi 1953 goda, rekomendatel'nyi ukazatel' literatury dlia bibliotek [Public Library Books of the year 1953, Index of Recommended Literature for Libraries]
Knizh.let. (2a)	Knizhnaia letopis' [Book Chronicle]
Knizh let Gos knizh pal Uz SSR (2a)	Gosudarstvennaia knizhnaia palata Uzbekskoi SSR Knizhnaia letopis' [State Book Chamber of the Uzbek S S R. Book Chronicle]
Koks i khim. (10c)	Koks i khimiia [Coke and Chemistry]
Kommun. Bel. (6)	Kommunist Belorussii [Communist of White Russia]
Kommun Mold. (6)	Kommunist Moldavii [Communist of Moldavia]
Kommun. Ukr. (6)	Kommunist Ukrainy [Communist of the Ukraine]
Kommun. Uz. (6)	Kommunist Uzbekistana [Communist of Uzbekistan]
Kommunist (6)	Kommunist [Communist]
Kons. i ov.prom. (16c)	Konservnaia i ovoshchesushil'naia promyshlennost' [The Canning and Dehydrated Vegetable Industry]
Krat. soob. Inst. nar. Az (4a)	Akademiia nauk SSSR. Institut narodov Azii. Kratkie soobshcheniia [Academy of Sciences of the U.S.S.R. Institute of the Peoples of Asia. Brief reports]
Kristallografiia (13f)	Kristallografiia [Crystallography]
Kryl rod. (16b)	Kryl'ia rodiny [Wings of the Motherland]
Kul't. i zhizn' (1b)	Kul'tura i zhizn' [Culture and Life]
Kuz.-shtamp. proizv. (16g)	Kuznechno-shtampovochnoe proizvodstvo [Forging and Stamping]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1 (2a)	Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriia 1. Fiziko-matematicheskie, khimicheskie i geologo-geograficheskie nauki; tekhnika i tekhnicheskie nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, Chemical, Geological and Geographical Sciences; Technology and Technological Sciences]
Inform biul. nov. inostr. knig, postup v Bibl. im. V.I. Len. Ser. 2 (2a)	Moscow Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriia 2: Biologicheskie, meditsinskie i sel'skokhoziaistvennye nauki [Public Library Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological, Medical, and Agricultural Sciences]
Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len Ser. 3 (2a)	Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriia 3: Obshchestvennye nauki, khudozhestvennaia literatura, iskusstvo [Public Library. Information Bulletin of New Foreign Books Received by by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art]
Inform. biul. Sov. antark. eksp. (1a)	Sovetskaia antarkticheskaia ekspeditsiia, 1955-1958. Informatsionnyi biulleten' [Soviet Antarctic Expedition, 1955-1958. Information Bulletin]
Inform o bibliot dele i bibl za rub (2b)	Informatsiia o bibliotechnom dele i bibliografii za rubezhom, sbornik materialov [Information about Library Work and Bibliography Abroad; Materials]
Inform. ukaz. bibl. spis. i kart. (2a)	Informatsionnyi ukazatel' bibliograficheskikh spiskov i kartotek, sostavlennykh bibliotekami Sovetskogo Soiuza [Information Index of Bibliographical Lists and Card Files. Compiled by the Libraries of the Soviet Union]
Inform. ukaz. stand. (16a)	Informatsionnyi ukazatel' standartov [Information Index of Standards]
Inzh. -fiz. zhur. (16a)	Inzhenerno-fizicheskii zhurnal [Journal of Engineering Physics]
Isk. kino (9a)	Iskusstvo kino [Cinema Art]
Iskusstvo (10a)	Iskusstvo [Art]
Ist. arkh. (4a)	Istoricheskii arkhiv [Historical Archives]
Ist i metod. est. nauk (13a)	Istoriia i metodologiia estestvennykh nauk [History and Methodology of the Natural Sciences]
IUn. nat. (13c)	IUnyi naturalist [Young Naturalist]
Izv. AN Arm. SSR, Biol. nauki (13c)	Akademiia nauk Armianskoi SSR, Erivan, Izvestiia, Biologicheskie nauki [Academy of Sciences of the Armenian S.S.R. Bulletin. Biological Sciences]
Izv. AN Arm. SSR, Obshchestv. nauki (1a)	Akademiia nauk Armianskoi SSR, Erivan. Izvestiia, Obshchestvennye nauki [Academy of Sciences of the Armenian S.S.R Bulletin. Social Sciences]
Izv. AN Arm. SSR, Ser. fiz.-mat. nauk (13a)	Akademiia nauk Armianskoi SSR, Erivan, Izvestiia, Seriia fiziko-matematicheskikh nauk [Academy of Sciences of the Armenian S.S.R. Bulletin. Series in the Physical and Mathematical Sciences]
Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk (1a)	Akademiia nauk Azerbaidzhanskoi SSR, Baku. Izvestiia. Seriia fiziko-matematicheskikh i tekhnicheskikh nauk [Academy of Sciences of the Azerbaijan S.S.R. Bulletin. Series in the Physical, Mathematical, and Technological Sciences]
Izv. AN Azerb. SSR. Ser. geol.-geog. nauk i nefti (12c)	Akademiia nauk Azerbaidzhanskoi SSR, Baku. Izvestiia, Seriia geologo-geograficheskikh nauk i nefti [Academy of Sciences of the Azerbaijan S.S.R. Bulletin. Series in the Geological and Geographical Sciences and Petroleum]
Izv. AN Azerb SSR Ser. obshchestv nauk (1a)	Akademiia nauk Azerbaidzhanskoi SSR, Baku Izvestiia, Seriia obshchestvennykh nauk [Academy of Sciences of the Azerbaijan S.S.R Bulletin. Series in the Social Sciences]
Izv AN Est.SSR. Ser.fiz.-mat.i tekh.nauk (1a)	Eesti NSV Teaduste Akadeemia. Toimetised. Füusikalis-matemaatiliste ja tehniliste teaduste seeria. Izvestiia Akademii nauk Estonskoi SSR. Seriia fiziko-matematicheskikh i tekhnicheskikh nauk [Academy of Sciences of the Estonian S.S.R. Bulletin Series in the Physical, Mathematical, and Technical Sciences]
Izv.AN Kir.SSR. Ser.est i tekh. nauk (1a)	Akademiia nauk Kirgizskoi SSR, Frunze. Izvestiia Seriia estestvennykh i tekhnicheskikh nauk [Academy of Sciences of the Kirghiz S.S.R Bulletin. Series in the Natural and Technological Sciences]
Izv AN SSSR Energ i transp (16g)	Akademiia nauk SSSR Izvestiia, Energetika i transport [Academy of Sciences of the U S.S R Bulletin Power Engineering and Transportation]
Izv AN SSSR Met i gor. delo (16h)	Akademiia nauk SSSR Izvestiia Metallurgiia i gornoe delo [Academy of Sciences of the U S S R Bulletin Metallurgy and Mining]
Izv AN SSSR. Ser. biol (13c)	Akademiia nauk SSSR, Izvestiia, Seriia biologicheskaia [Academy of Sciences of the U. S. S. R. Bulletin. Biological Series]
Izv. AN SSSR. Ser. fiz. (13f)	Akademiia nauk SSSR, Izvestiia, Seriia fizicheskaia [Academy of Sciences of the U. S. S. R. Bulletin. [Physical Series]
Izv. AN SSSR. Ser. geol. (12c)	Akademiia nauk SSSR, Izvestiia, Seriia geologicheskaia [Academy of Sciences of the U. S. S. R. Bulletin, Geological Series]
Izv. AN SSSR. Ser. lit. i iaz. (11b)	Akademiia nauk SSSR, Izvestiia, Seriia literatury i iazyka [Academy of Sciences of the U. S. S. R. Bulletin, Series in Literature and Language]
Izv. AN SSSR. Ser. mat. (13a)	Akademiia nauk SSSR. Izvestiia. Seriia matematicheskaia [Academy of Sciences of the U.S.S.R. Bulletin. Mathematical Series]
Izv AN SSSR Tekh kib. (10e)	Akademiia nauk SSSR Izvestiia Tekhnicheskaia kibernetika [Academy of Sciences of the U S. S R Bulletin. Engineering Cybernetics]
Izv. AN Uz. SSR Ser. tekh. nauk (16a)	Akademiia nauk Uzbekskoi SSR, Tashkent. Izvestiia. Seriia tekhnicheskikh nauk [Academy of Sciences of the Uzbek S.S.R. Bulletin. Series in the Technical Sciences]
Izv. AsiA (16d)	Akademiia stroitel'stva i arkhitektury SSSR. Izvestiia [Academy of Construction and Architecture of the U.S.S.R. Bulletin]
Izv. GosNIORKH (15b)	Leningrad. Gosudarstvennyi nauchno-issledovatel'skii institut ozernogo i rechnogo rybnogo khoziaistva. Izvestiia [State Scientific Research Institute of Lake and River Fisheries. Bulletin]
Izv. SO AN SSSR, Ser. biol.-med. nauk (13c)	Akademiia nauk SSSR. Sibirskoe otdelenie. Izvestiia, Seriia biologo-meditsinskikh nauk [Academy of Sciences of the U. S. S. R. Siberian Department Bulletin. Series in the Biological and Medical Sciences]
Izv. SO AN SSSR, Ser. obshchestv. nauk (1a)	Akademiia nauk SSSR. Sibirskoe otdelenie, Izvestiia, Seriia obshchestvennykh nauk [Academy of Sciences of the U. S. S. R. Siberian Department. Bulletin. Series in the Social Sciences]
Izv. TINRO (15b)	Vladivostok. Tikhookeanskii nauchno-issledovatel'skii institut rybnogo khoziaistva i okeanografii. Izvestiia [Pacific Ocean Scientific Research Institute of Fisheries and Oceanography. Bulletin]
Izv. vys. ucheb. zav.; chern. met. (16h)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; chernaia metallurgiia [Ministry of Higher and Secondary Specialized Education Bulletin of the Institutions of Higher Learning; Ferrous Metallurgy]
Izv. vys. ucheb. zav.; energ. (16c)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Power Engineering]
Izv. vys. ucheb. zav.; mashinostr. (16g)	Re
Izv. vys. ucheb. zav.; mat. (13c)	
Izv. vys. ucheb. zav.; neft' i gaz (16h)	
Izv. vys. ucheb. zav.; pishch. tekh. (16c)	
Izv. vys. ucheb. zav.; prib. (16g)	

Izv vys ucheb zav ,radiotekh (16e)	Russia (1923- U S S R) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia Izvestiia vysshikh uchebnykh zavedenii, radiotekhnika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]
Izv. vys. ucheb. zav., tekh. tekst. prom. (16f)	Russia (1923- U.S S R) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, tekhnologiia tekstil'noi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of the Textile Industry]
Lakokras. mat. i ikh prim. (16c)	Lakokrasochnye materialy i ikh primenenie [Lacquer and Paint Materials and Their Use]
Leh. prom. (16f)	Lehka promyslovist' [Light Industry]
Les. prom (16c)	Lesnaia promyshlennost' [Forest Industries]
Let. gazet. st. (2a)	Letopis' gazetnykh statei [Chronicle of Newspaper Articles]
Let. rets (2a)	Letopis' retsenzii [Chronicle of Reviews]
Let zhur st (2a)	Letopis' zhurnal'nykh statei [Chronicle of Periodical Articles]
Lit o Zap Sib (2a)	Literatura o Zapadnoi Sibiri [Literature on Western Siberia]
Lit. po les. i bum. prom. (16f)	Literatura po lesnoi i bumazhnoi promyshlennosti [Literature on Forest and Paper Industries]
Lit po ped. naukam i nar obr (8a)	Literatura po pedagogicheskim naukam i narodnomu obrazovaniiu [Literature on the Pedagogical Sciences and Public Education]
Lit slav nar (11b)	Literatura slavianskikh narodov [Literature of Slavic Peoples]
Mashinostroitel' (16g)	Mashinostroitel' [Machine Builder]
Mat. i issl. po arkheol. SSSR (4b)	Materialy i issledovaniia po arkheologii SSSR [Materials and Research in the Archaeology of the U. S S R]
Mat. mod. i elek. tsepi (13e)	Akademiia nauk URSR, Kiev. Seminar po metodam matematicheskogo modelirovaniia i teorii elektricheskikh tsepei. Matematicheskoe modelirovanie i elektricheskie tsepi [Academy of Sciences of the Ukrainian S. S. R. Seminar on the Methods of Mathematical Modelling and the Theory of Electrical Networks. Mathematical Modelling and Electrical Networks]
Mat. sbor. (13a)	Matematicheskii sbornik [Mathematical Review]
Mat. v shkole (13e)	Matematika v shkole [Mathematics in Schools]
Matematika (13e)	Matematika, periodicheskii sbornik perevodov inostrannykh statei [Mathematics, Translations of Foreign Articles]
Med. rad (14a)	Meditsinskaia radiologiia [Medical Radiology]
Med. ref. zhur. (14a)	Meditsinskii referativnyi zhurnal [Medical Abstracts]
Mekh. stroi (16d)	Mekhanizatsiia stroitel'stva [Mechanization of Construction]
Met i gornorud. prom. (16h)	Metallurgicheskaia i gornorudnaia promyshlennost' [Metallurgical, Mining, and Ore Dressing Industries]
Metalloved. i term. obr met (16h)	Metallovedenie i termicheskaia obrabotka metallov [Metals and Heat Treatment of Metals]
Meteor. i gidrol. (13f)	Meteorologiia i gidrologiia [Meteorology and Hydrology]
Mezhdunar. zhizn' (6)	Mezhdunarodnaia zhizn' [International Life]
Mias. ind. SSSR (16f)	Miasnaia industriia SSSR [Meat Industry of the U.S.S.R.]
Mir. ekon. i mezhdunar. otn. (5b)	Mirovaia ekonomika i mezhdunarodnye otnosheniia [World Economics and International Relations]
Mir nauki (13a)	Mir nauki [Scientific World]
Mol. komm. (6)	Molodoi kommunist [The Young Communist]
Mor. flot (17b)	Morskoi flot [The Merchant Marine]
Mor. sbor. (17b)	Morskoi sbornik; zhurnal Voenno-Morskogo Flota Soiuza SSR [Naval Review, Magazine of the Soviet Navy]
Mystetstvo (10a)	Mystetstvo [Art]
NTI (16a)	Moscow. Vsesoiuznyi institut nauchnoi i tekhnicheskoi informatsii. Nauchno-tekhnicheskaia informatsiia [All-Union Institute of Scientific and Technical Information. Scientific and Technical Information]
Nar Az. i Afr. (4a)	Narody Azii i Afriki; istoriia, ekonomika, kul'tura [Peoples of Asia and Africa, History, Economics, Culture]
Nar khoz Kaz (5b)	Narodnoe khoziaistvo Kazakhstana [The National Economy of Kazakhstan]
Nar. khoz Uzb. (5b)	Narodnoe khoziaistvo Uzbekistana [The National Economy of Uzbekistan]
Nar. obr. (8a)	Narodnoe obrazovanie [Public Education]
Nauch. dokl. vys. shkoly, biol. nauki (13c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly, biologicheskie nauki [Ministry of Higher and Secondary Specialized Education. Reports of the Higher Schools, Biological Sciences]
Nauch. inform Otd nauch med. inform. AMN SSSR (14a)	Akademiia meditsinskikh nauk SSSR, Moscow. Otdelenie meditsinskoi informatsii. Nauchnaia informatsiia [Academy of Medical Sciences of the U.S.S.R. Department of Scientific Medical Information. Scientific Information]
Nauch. -issl. trudy TSNIIShersti (16f)	Moscow. Tsentral'nyi nauchno-issledovatel'skii institut shersti [Central Scientific Research Institute of Wool Industry. Scientific Research Papers]
Nauch soob IGD (16h)	Moscow. Institut gornogo dela imeni A. A. Skochinskogo. Nauchnye soobshcheniia [A. A. Skochinsky Institute of Mining. Scientific Reports]
Nauch soob. NIIMosstroia (16d)	Moscow. Glavnoe upravlenie po zhilishchnomu i grazhdanskomu stroitel'stvu. Nauchno-issledovatel'skii institut. Nauchnoe soobshchenie [Main Administration for Housing and Public Construction. Scientific Research Institute. Scientific Reports]
Nauch. soob. NIIZHB (16d)	Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut betona i zhelezobetona, Perovo. Nauchnye soobshcheniia [Academy of Construction and Architecture of the U.S.S.R. Institute of Concrete and Reinforced Concrete. Scientific Reports]
Nauch trudy KHGI (16h)	Kharkov. Gornyi institut. Nauchnye trudy [Mining Institute. Studies]
Nauch trudy Ukr nauch - issl inst sad (15d)	Kiev. Ukrains'kyi naukovo-doslidnyi instytut sadivnytstva. Naukovi pratsi [Ukrainian Scientific Research Institute of Horticulture. Studies]
Nauch. trudy VNIIasbest (16h)	Leningrad. Vsesoiuznyi nauchno-issledovatel'skii institut asbestovoi promyshlennosti. Nauchnye trudy [All-Union Scientific Research Institute of the Asbestos Industry. Studies]
Nauch. trudy VNIIPodzemgaza (16h)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut podzemnoi gazifikatsii uglei. Nauchnye trudy [All-Union Scientific Research Institute of Underground Coal Gazification. Studies]
Nauch. trudy Vses. sel.-gen. inst. (15d)	Odessa. Vsesoiuznyi selektsionno-genetichesk[illegible] Nauchnye trudy [All-Union Institute of Plant Genetics. Studies]
Nauk. pratsi Ukr. nauk.-dosl. inst. ryb hosp. (15b)	Kiev. Naukovo doslidnyi instytut rybnoho [illegible] Ukrainy. Naukovi pratsi [Scientific Research [illegible] of the Fisheries of the Ukraine. Studies]
Nauka i rel. (3b)	Nauka i religiia [Science and Religion]
Nauka i zhyttia (13a)	Nauka i zhyttia [Science and Life]
Neftekhimiia (16c)	Neftekhimiia [Petrochemistry]
Neftianik (16h)	Neftianik [The Petroleum Worker]
Nov. i noveish. ist. (4a)	Novaia i noveishaia istoriia [Modern and Recent History]
Nov. inostr ekon. lit (5b)	Novaia inostrannaia ekonomicheskaia literatura [New Foreign Economic Literature]
Nov inostr. knigi, kat nov postup (2a)	Akademiia nauk SSSR Biblioteka. Novye inostrannye knigi, katalog novykh postuplenii [Academy of the U.S.S.R. Library. New Foreign Books. New Accessions ...]
Nov. inostr. lit. po iaz. (11a)	Novaia inostrannaia literatura po lazykoznaniiu [New Foreign Literature on Linguistics]
Nov. inostr. lit. po ist., arkheol. i etn (4a)	Novaia inostrannaia literatura po istorii, arkheologii i etnografii [New Foreign Literature on History, Archaeology and Ethnography]
Nov. inostr. lit. po lit. (11b)	Novaia inostrannaia literatura po literaturovedeniiu [New Foreign Literature on the Study of Literature]
Nov. knigi; bibl. ezhened. (2a)	Novye knigi; bibliograficheskii ezhenedel'nik [New Books, Bibliographical Weekly]
Nov. knigi SSSR (2a)	Novye knigi SSSR [New Books of the U. S. S. R.]
Nov. knigi za rub. Ser. A (13a)	Novye knigi za rubezhom. Seriia A. Matematika, astronomiia, fizika, geofizika, khimiia, [illegible] Foreign Books. Series A. Mathematics, Astronomy, Physics, Geophysics, Chemistry, [illegible]
Nov. knigi za rub. po obshchestv. naukam, ekon., filos., ist., mezhdunar. otn. (2a)	Novye knigi za rubezhom po obshchestvennym naukam, ekonomika, filosofiia, istoriia, mezhdunarodnye otnosheniia [New Foreign Books on the Social Sciences; Economics, Philosophy, History, International Relations]

Nov. lit o nauke i nauch. -issl rab. za rub. (2a)	Novaia literatura o nauke i nauchno-issledovatel'skoi rabote za rubezhom [New Literature on Science and Research Abroad]
Nov. lit. po Bolg. (2a)	Novaia literatura po Bolgarii [New Literature on Bulgaria]
Nov. lit. po Ger. Dem. Resp. (2a)	Novaia literatura po Germanskoi Demokraticheskoi Respublike [New Literature on the German Democratic Republic]
Nov. lit. po IUg. (2a)	Novaia literatura po IUgoslavii [New Literature on Yugoslavia]
Nov. lit. po Pol'. (2a)	Novaia literatura po Pol'she [New Literature on Poland]
Nov. lit. po Veng. (2a)	Novaia literatura po Vengrii [New Literature on Hungary]
Nov. mir (11b)	Novyi mir [The New World]
Nov. sov. i inostr. lit. po stran zarub. Vost. (2a)	Novaia sovetskaia i inostrannaia literatura po stranam zarubezhnogo Vostoka [New Soviet and Foreign Literature on the Countries of the Non-Soviet East]
Nov. sov. i inostr. lit. po vop. rel. i ateiz (3b)	Novaia sovetskaia i inostrannaia literatura po voprosam religii i ateizma [New Soviet and Foreign Literature on the Problems of Religion and Atheism]
Nov. sov. lit. o nauke i nauch. -issl. rab. v SSSR (2a)	Novaia sovetskaia literatura o nauke i nauchno-issledovatel'skoi rabote v SSSR [New Soviet Literature on Science and General Research in the U.S.S.R.]
Nov. sov. lit. po filos (3a)	Novaia sovetskaia literatura po filosofii [New Soviet Literature on Philosophy]
Nov. sov. lit. po jaz. (11a)	Novaia sovetskaia literatura po iazykoznaniiu [New Soviet Literature on Linguistics]
Nov. sov. lit. po ist., arkheol. i etn. (4a)	Novaia sovetskaia literatura po istorii, arkheologii i etnografii [New Soviet Literature on History, Archaeology, and Ethnography]
Nov. sov. lit. po lit. (11b)	Novaia sovetskaia literatura po literaturovedeniiu [New Soviet Literature on the Study of Literature]
Nov. tov. (5a)	Novye tovary; informatsionnyi biulleten' [New Consumer Goods; Information Bulletin]
Nov. vrem. (6)	Novoe vremia [New Times]
Ogneupory (16h)	Ogneupory [Refractories]
Ogonek (1b)	Ogonek [The Little Light]
Okeanologiia (12b)	Okeanologiia [Oceanology]
Okhr. truda i sots strakh. (5d)	Okhrana truda i sotsial'noe strakhovanie [Protection of Labor and Social Insurance]
Oktiabr' (11b)	Oktiabr' [October]
Opt. i spektr. (13f)	Optika i spektroskopiia [Optics and Spectroscopy]
Opyt zarub. stroi. (16d)	Akademiia stroitel'stva i arkhitektury SSSR, TSentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture. Opyt zarubezhnogo stroitel'stva [Academy of Construction and Architecture of the U.S.S.R. Central Institute of Scientific Information on Construction and Architecture. Construction Practice Abroad]
Osn., fund. i mekh. grun. (16d)	Osnovaniia, fundamenty i mekhanika gruntov [Foundations and Soil Mechanics]
Otv. na vop. trud. (5b)	Otvety na voprosy trudiashchikhsia [Replies to Workers' Questions]
PMTF (16n)	PMTF, zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki [PMTF; Journal of Applied Mechanics and Technical Physics]
Part. zhizn' [Uzb.] (6)	Partiinaia zhizn' [Party Life]. Uzbekistan.
Pedag. i nar. obr. v zarub. stran. (8a)	Pedagogika i narodnoe obrazovanie v zarubezhnykh stranakh; sbornik referatov [Pedagogy and Education Abroad; Abstracts]
Pediatriia (14b)	Pediatriia [Pediatrics]
Polit. samoobr. (6)	Politicheskoe samoobrazovanie [Political Self-Education]
Pozh. delo (16d)	Pozharnoe delo [Fire Fighting]
Pratsi Inst. zool. AN URSR (13c)	Akademiia nauk URSR, Kiev. Instytut zoologii. Pratsi [Academy of Sciences of the Ukrainian S.S.R. Zoological Institute. Transactions]
Priborostroenie (16g)	Priborostroenie [Instrument Manufacture]
Prikl. mat. i mekh. (13e)	Prikladnaia matematika i mekhanika [Applied Mathematics and Mechanics]
Prim mat metod v biol (13c)	†Primenenie matematicheskikh metodov v biologii [Use of Mathematical Methods in Biology]
Priroda (13a)	Priroda [Nature]
Probl. Sev (12b)	Problemy Severa [Problems of the North]
Prof.-tekh. obr. (16a)	Professional'no-tekhnicheskoe obrazovanie [Vocational Technical Education]
Prom stroi. (16d)	Promyshlennoe stroitel'stvo [Industrial Construction]
Prom. vent. (16g)	†Promyshlennaia ventiliatsiia [Industrial Ventilation]
Pskov gov. (11a)	† Pskovskie govory [Pskov Dialects]
Rab. i sial. (5d)	Rabotnitsa i sialianka [The Woman Worker and the Peasant Woman]
Rad pravo (7)	Radians'ke pravo [Soviet Law]
Rad. shk. (8a)	Radians'ka shkola [Soviet School]
Radio (16e)	Radio [Radio]
Radiobiologiia (13c)	Radiobiologiia [Radiobiology]
Razved. i prom. geofiz. (16h)	Razvedochnaia i promyslovaia geofizika [Prospecting and Industrial Geophysics]
Ref. sbor. Ekon. prom. (5b)	Referativnyi sbornik. Ekonomika promyshlennosti [Journal of Abstracts. Economics of Industry]
Ref. zhur.: Astron. (13b)	Referativnyi zhurnal: Astronomiia (Otdel'nyi vypusk 51) [Journal of Abstracts. Astronomy (Separate Issue 51)]
Ref. zhur.: Av. i raket. dvig. (16b)	Referativnyi zhurnal: Aviatsionnye i raketnye dvigateli (Otdel'nyi vypusk 34) [Journal of Abstracts Aircraft and Rocket Engines (Separate Issue 34)]
Ref. zhur.: Avt. dor. (16d)	Referativnyi zhurnal Avtomobil'nye dorogi [Journal of Abstracts: Highways]
Ref. zhur.: Avtom., telem. i vych. tekh. (16e)	Referativnyi zhurnal. Avtomatika, telemekhanika i vychislitel'naia tekhnika [Journal of Abstracts: Automatic Control, Remote Control, and Computer Technology]
Ref. zhur.: Biol. (13c)	Referativnyi zhurnal: Biologiia [Journal of Abstracts. Biology]
Ref. zhur., Biol. khim. (13c)	Referativnyi zhurnal: Biologicheskaia khimiia (Otdel'nyi vypusk 30f) [Journal of Abstracts. Biochemistry (Separate Issue 30f)]
Ref. zhur.: Farm. Toks. (14f)	Referativnyi zhurnal: Farmakologiia, Toksikologiia (Otdel'nyi vypusk 54) [Journal of Abstracts: Pharmacology. Toxicology (Separate Issue 54)]
Ref. zhur.: Fiz. (13f)	Referativnyi zhurnal. Fizika [Journal of Abstracts: Physics]
Ref. zhur.: Fotokinotekh. (16g)	Referativnyi zhurnal: Fotokinotekhnika (Otdel'nyi vypusk 46) [Journal of Abstracts: Photographic and Motion-Picture Equipment (Separate Issue 46)]
Ref. zhur., Geofiz. (13f)	Referativnyi zhurnal. Geofizika [Journal of Abstracts Geophysics]
Ref zhur: Geog (12b)	Referativnyi zhurnal: Geografiia [Journal of Abstracts. Geography]
Ref. zhur.: Geol. (12c)	Referativnyi zhurnal: Geologiia [Journal of Abstracts: Geology]
Ref. zhur.: Kommun., byt. i torg. obor. (18g)	Referativnyi zhurnal: Kommunal'noe, bytovoe i torgovoe oborudovanie (Otdel'nyi vypusk 33) [Journal of Abstracts: Communal, Household, and Commercial Equipment (Separate Issue 33)]
Ref. zhur.: Leg. prom. (16f)	Referativnyi zhurnal: Legkaia promyshlennost' [Journal of Abstracts: Light Industry]
Ref. zhur.: Lesoved. i lesovod. (15c)	Referativnyi zhurnal Lesovedenie i lesovodstvo (Otdel'nyi vypusk 56) [Journal of Abstracts: Forestry and Forest Management (Separate Issue 56)]
Ref. zhur.: Mat. (13e)	Referativnyi zhurnal: Matematika [Journal of Abstracts: Mathematics]
Ref. zhur.: Med. geog. (14a)	Referativnyi zhurnal Meditsinskaia geografiia (Otdel'nyi vypusk 36) [Journal of Abstracts: Medical Geography (Separate Issue 36)]
Ref. zhur. Mekh. (13f)	Referativnyi zhurnal: Mekhanika [Journal of Abstracts. Mechanics]
Ref. zhur.: Nauch. i tekh. inform. (16a)	Referativnyi zhurnal: Nauchnaia i tekhnicheskaia informatsiia (Otdel'nyi vypusk 59) [Journal of Abstracts: Scientific and Technical Information (Separate Issue 59)]

Ref. zhur : Pishch mashinostr (16g)	Referativnyi zhurnal Pishchevoe mashinostroenie (Otdel'nyi vypusk 38) [Journal of Abstracts, Food Machinery Manufacture (Separate Issue 38)]
Ref zhur Pochv (15a)	Referativnyi zhurnal· Pochvovedenie (Otdel'nyi vypusk 57) [Journal of Abstracts Soil Science (Separate Issue 57)]
Ref zhur. Prom. transp (16g)	Referativnyi zhurnal· Promyshlennyi transport [Journal of Abstracts, Industrial Transportation]
Ref zhur Raketostr. (16b)	Referativnyi zhurnal Raketostroenie (Otdel'nyi vypusk 41) [Journal of Abstracts Rocket Building (Separate Issue 41)]
Ref. zhur. Rast (15d)	Referativnyi zhurnal Rastenievodstvo (Otdel'nyi vypusk 55) [Journal of Abstracts Plant Culture (Separate Issue 55)]
Ref. zhur · Tekh i obor bumagodel. i poligr. proizv (16g)	Referativnyi zhurnal· Tekhnologiia i oborudovanie bumagodelatel'nogo i poligraficheskogo proizvodstva (Otdel'nyi vypusk 37) [Journal of Abstracts Technology and Equipment of the Papermaking and Printing Industry (Separate Issue 37)]
Ref zhur Tekh. mashinostr. (16g)	Referativnyi zhurnal Tekhnologiia mashinostroeniia [Journal of Abstracts· Technology of Machinery Manufacture]
Ref zhur Trub transp. (16g)	Referativnyi zhurnal Truboprovodnyi transport (Otdel'nyi vypusk 45) [Journal of Abstracts· Pipeline Transportation (Separate Issue 45)]
Ref. zhur. Turbostr. (16g)	Referativnyi zhurnal· Turbostroenie (Otdel'nyi vypusk 49) [Journal of Abstracts Turbine Manufacture (Separate Issue 49)]
Ref. zhur. :Vod. transp. (17b)	Referativnyi zhurnal· Vodnyi transport [Journal of Abstracts: Water Transportation]
Ref zhur . Vop. tekh. prog. i org. proizv. v mashinostr. (16g)	Referativnyi zhurnal Voprosy tekhnicheskogo progressa i organizatsii proizvodstva v mashinostroenii (Otdel'nyi vypusk 35) [Journal of Abstracts. Problems of Technological Progress and the Organization of Production in the Machinery Industry (Separate Issue 35)]
Ref. zhur. Vozd. transp (16b)	Referativnyi zhurnal. Vozdushnyi transport [Journal of Abstracts· Air Transportation]
Ref zhur : Vzaimodeis. raz vid transp. i kont. perev (16g)	Referativnyi zhurnal Vzaimodeistvie raznykh vidov transporta i konteinernye perevozki (Otdel'nyi vypusk 31) [Journal of Abstracts Container Shipments and the Interaction of Various Types of Transportation (Separate Issue 31)]
Ref. zhur. Zhel. dor. transp. (16g)	Referativnyi zhurnal Zheleznodorozhnyi transport [Journal of Abstracts: Railroad Transportation]
Ref. zhur. Zhiv. Vet. (15b)	Referativnyi zhurnal: Zhivotnovodstvo, Veterinariia (Otdel'nyi vypusk 58) [Journal of Abstracts. Animal Husbandry, Veterinary Medicine (Separate Issue 58)]
Rent. min. syr. (12c)	Rentgenografiia mineral'nogo syr'ia [Radiography of Minerals]
Rus. iaz. v shkole (11a)	Russkii iazyk v shkole [Russian Language in Schools]
Ryb. khoz. (15b)	Rybnoe khoziaistvo [Fisheries]
Sakh. prom. (16c)	Sakharnaia promyshlennost' [Sugar Industry]
Sbor. instr. ukaz. Gos. arbitr. (7)	Russia (1923- U.S.S.R.) Gosudarstvennyi arbitrazh. Sbornik instruktivnykh ukazanii [State Arbitration Commission. Collection of Rules]
Sbor nauch. rab DVNIIS (16d)	†Vladivostok. Dal'nevostochnyi nauchno-issledovatel'skii institut po stroitel'stvu. Sbornik nauchnykh rabot [Far Eastern Scientific Research Institute for Construction. Papers]
Sbor. nauch. st. KHIIT (16g)	Kharkov. Instytut inzheneriv zaliznychnoho transportu. Sbornik nauchnykh statei [Institute of Engineers of Railroad Transportation. Papers]
Sbor. nauch. trud. TSANII (14f)	Moscow, TSentral'nyi aptechnyi nauchno-issledovatel'skii institut. Sbornik nauchnykh trudov [Central Pharmaceutical Scientific Research Institute. Papers]
Sbor. rab mol. uch. VNIIP (15b)	†Vsesoiuznyi nauchno-issledovatel'skii institut ptitsevodstva. Sbornik rabot molodykh uchenykh [All-Union Scientific Research Institute of Poultry Raising. Papers by Young Scientists]
Sbor. st. po paleont. i biostrat. (12c)	Leningrad. Nauchno-issledovatel'skii institut geologii Arktiki. Sbornik statei po paleontologii i biostratigrafii [Scientific Research Institute of Arctic Geology. Papers on Paleontology and Biostratigraphy]
Sbor. stud. rab. MTIMMP (15b)	Moscow. Tekhnologicheskii institut miasnoi i molochnoi promyshlennosti. Sbornik studencheskikh rabot [Technological Institute of the Meat and Dairy Industry. Collected Student Papers]
Sbor. trud. LIIZHT (16d)	Leningrad Institut inzhenerov zheleznodorozhnogo transporta. Sbornik trudov [Institute of Railroad Transportation Engineers. Papers]
Sel'. khoz. (15a)	Sel'skoe khoziaistvo; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [Agriculture; Classified List of Articles in Foreign Periodicals]
Sel'khoz. lit. SSSR (15a)	Sel'skokhoziaistvennaia literatura SSSR [Agricultural Literature of the U.S.S.R.]
Sem'ia i shkola (8a)	Sem'ia i shkola [Family and School]
Shakht. stroi. (16h)	Shakhtnoe stroitel'stvo [Mine Construction]
Shkola i proizv. (8a)	Shkola i proizvodstvo [School and Industry]
Shkola-int. (8a)	Shkola-internat [Boarding School]
Shveina. prom (16f)	Shveinaia promyshlennost' [Clothing Industry]
Sib geog. sbor. (12b)	Sibirskii geograficheskii sbornik [Siberian Geographical Papers]
Smena (5a)	Smena [The Younger Generation]
Soob. AN Gruz. SSR (1a)	Akademiia nauk Gruzinskoi SSR, Tbilisi. Soobshcheniia [Academy of Sciences of the Georgian S. S. R. Reports. Russian language edition]
Soob Lab. lesoved. AN SSSR (15c)	Akademiia nauk SSSR. Laboratoriia lesovedeniia [Academy of Sciences of the U.S.S.R. Laboratory of Forestry Reports]
Soob. po vych. tekh. (13e)	Akademiia nauk SSSR Vychislitel'nyi tsentr [Academy of Sciences U.S.S.R. Computation Center. Reports on Computer Technology]
Sots obesp. (5e)	Sotsial'noe obespechenie [Social Security]
Sov. arkheol. (4b)	Sovetskaia arkheologiia [Soviet Archaeology]
Sov. bibl. (2a)	Sovetskaia bibliografiia [Soviet Bibliography]
Sov. gos i pravo (7)	Sovetskoe gosudarstvo i pravo [The Soviet State and Law]
Sov. iust. (7)	Sovetskaia iustitsiia [Soviet Justice]
Sov. knizh. torg. (2c)	Sovetskaia knizhnaia torgovlia [Soviet Book Trade]
Sov med ref obozr. (14a)	Sovetskoe meditsinskoe referativnoe obozrenie [Review of Soviet Medical Literature]
Sov. potreb. koop. (5a)	Sovetskaia potrebitel'skaia kooperatsiia [Soviet Consumer Cooperation]
Sov. profsoiuzy (5d)	Sovetskie profsoiuzy [Soviet Trade Unions]
Sov. radio i tel. (9a)	Sovetskoe radio i televidenie [Soviet Radio and Television]
Sov. Soiuz (1b)	Sovetskii Soiuz [Soviet Union]
Sov. torg. (5a)	Sovetskaia torgovlia [Soviet Commerce]
Sov. voin (17a)	Sovetskii voin [Soviet Soldier]
Sovr. Mong. (1b)	Sovremennaia Mongoliia [Contemporary Mongolia]
Sred. veka (4a)	Akademiia nauk SSSR. Institut istorii. Srednie veka [Academy of Sciences of the U.S.S.R. Institute of History. The Middle Ages]
Stal' (16h)	Stal' [Steel]
Stan. i instr. (16g)	Stanki i instrument [Machine Tools and Their Cutting Tools]
Standartizatsiia (16a)	Standartizatsiia [Standardization]
Stek. i ker. (16c)	Steklo i keramika [Glass and Ceramics]
Stroi. i arkhit. Len. (10b)	Stroitel'stvo i arkhitektura Leningrada [Construction and Architecture in Leningrad]
Stroi. mat. (16d)	Stroitel'nye materialy [Building Materials]
Stroi. truboprov. (16d)	Stroitel'stvo truboprovodov [Pipeline Construction]
Stroitel' (16d)	Stroitel' [The Builder]
Sudostroenie (17b)	Sudostroenie [Shipbuilding]
Svar. proizv. (16f)	Svarochnoe proizvodstvo [Welding Practice]
Svetotekhnika (16e)	Svetotekhnika [Lighting Engineering]

Tekh kino i telev (9a)	Tekhnika kino i televidenila [Motion-Picture and Television Engineering]
Tekh mol. (16a)	Tekhnika - molodezhi [Technology for Youth]
Tekh.v sel'khoz. (15a)	Tekhnika v sel'skom khozialstve [Machinery in Agriculture]
Teor.i prak.fiz. kul't. (8b)	Teoriia i praktika fizicheskoi kul'tury [Theory and Practice of Physical Education]
Teor.mash.i mekh. (16g)	Teoriia mashin i mekhanizmov [Theory of Machines and Mechanisms]
Trakt.i sel'khozmash. (16g)	Traktory i sel'khozmashiny [Tractors and Agricultural Machinery]
Transp.stroi. (16d)	Transportnoe stroitel'stvo [Construction for the Transportation Industry]
Trudy Astrofiz inst.AN Kazakh SSR (13b)	Akademiia nauk Kazakhskoi SSR, Alma-Ata Astrofizicheskii institut Trudy [Academy of Sciences of the Kazakh S S R. Astrophysical Institute. Transactions]
Trudy DIIT (18g)	Dnepropetrovsk. Instytut inzheneriv zaliznychnoho transportu. Trudy [Institute of Railroad Transportation Engineers. Transactions]
Trudy FergZOS (15a)	Ferganskaia zonal'naia opytnaia stantsiia. Trudy [Fergana Regional Experiment Station. Transactions]
Trudy GIN (12c)	Akademiia nauk SSSR. Geologicheskii institut Trudy [Academy of Sciences of the U.S.S.R. Geological Institute. Transactions]
Trudy Gidrobiol. ob-va (13c)	Vsesoluznoe gidrobiologicheskoe obshchestvo. Trudy [All-Union Hydrobiological Society. Transactions]
Trudy Gos.nauch.-issl inst.psikh. (14c)	Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut psikhiatrii. Trudy [State Scientific Research Institute of Psychiatry. Transactions]
Trudy IGEM (12c)	Akademiia nauk SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy [Academy of Sciences of the U.S.S.R. Institute of the Geology of Ore Deposits, Petrology, Mineralogy, and Geochemistry. Transactions]
Trudy IGEM.Metod. khim.anal.min. (12c)	Akademiia nauk SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy. Metody khimicheskogo analiza mineralov. [Academy of Sciences of the U.S.S.R. Institute of the Geology of Ore Deposits, Petrology, Mineralogy, and Geochemistry. Transactions. Methods for the Chemical Analysis of Minerals]
Trudy IGI (18h)	Akademiia nauk SSSR. Institut goriuchikh iskopaemykh. Trudy [Academy of Sciences of the U.S.S.R. Institute of Mineral Fuels. Transactions]
Trudy IMGRE (12c)	Akademiia nauk SSSR. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. Trudy [Academy of Sciences of the U.S S.R. Institute of the Mineralogy, Geochemistry, and Crystallochemistry of Rare Elements. Transactions]
Trudy Inst.biol. UFAN SSSR (13c)	Akademiia nauk SSSR. Ural'skii filial, Sverdlovsk. Institut biologii. Trudy [Academy of Sciences of the U.S.S.R. Ural Branch. Institute of Biology. Transactions]
Trudy Inst.fiz. Zem. (13f)	Akademiia nauk SSSR. Institut fiziki Zemli. Trudy [Academy of Sciences of the U.S.S.R. Institute of Physics of the Earth. Transactions]
Trudy Inst.fiz. Zem. Vop.inzh. seism. (13f)	Akademiia nauk SSSR. Institut fiziki Zemli. Trudy. Voprosy inzhenernoi seismologii [Academy of Sciences of the U.S.S.R. Institute of Physics of the Earth. Transactions. Problems of Engineering Seismology]
Trudy Inst.geog. AN Gruz.SSR (12b)	Akademiia nauk Gruzinskoi SSR, Tiflis. Institut geografii. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Geography. Transactions]
Trudy Inst.ist., arkheol.i etn. AN Kazakh.SSR (9a)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut istorii, arkheologii i etnografii. Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of History, Archaeology, and Ethnography. Transactions]
Trudy Inst.lit i iaz AN Azerb. SSR (11b)	Akademiia nauk Azerbaidzhanskoi SSR, Baku. Institut literatury i iazyka Trudy [Academy of Sciences of the Azerbaijan S.S R Institute of Literature and Language. Transactions]
Trudy Inst.mikrobiol. (13c)	Akademiia nauk SSSR. Institut mikrobiologii Trudy [Academy of Sciences of the U.S.S.R. Institute of Microbiology. Transactions]
Trudy Inst.okean. (12b)	Akademiia nauk SSSR. Institut okeanologii. Trudy [Academy of Sciences of the U.S.S.R. Institute of Oceanography. Transactions]
Trudy Inst.pochv. AN Uz. SSR (15a)	Akademiia nauk Uzbekskoi SSR, Tashkent. Institut pochvovedeniia. Trudy [Academy of Sciences of the Uzbek S.S.R. Institute of Soil Science. Transactions]
Trudy KHIIT (16g)	Kharkov. Instytut inzheneriv zaliznychnoho transportu. Trudy [Institute of Railroad Transportation Engineers. Transactions]
Trudy Kaz.NIIZR (15d)	Alma-Ata Nauchno-issledovatel'skii institut zashchity rastenii Trudy [Scientific Research Institute of Plant Protection Transactions]
Trudy Kom.anal khim. (13d)	Akademiia nauk SSSR Komissiia po analiticheskoi khimii Trudy [Academy of Sciences of the U.S S R Commission on Analytical Chemistry Transactions]
Trudy LIVT (17b)	Leningrad. Institut vodnogo transporta. Trudy [Institute of Water Transportation. Transactions]
Trudy Lab prom.-ekon.issl Lensovnarkhoza (16a)	Russia (1917- R S F.S.R.) Leningradskii ekonomicheskii administrativnyi raion. Laboratoriia promyshlenno-ekonomicheskikh issledovanii. Trudy [Leningrad Economic Administrative Region. Laboratory for Industrial Economic Research Transactions]
Trudy Lim.inst. (13c)	Akademiia nauk SSSR. Sibirskoe otdelenie. Limnologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Siberian Department. Limnological Institute. Transactions]
Trudy MOIP. Otd biol. (13c)	Moskovskoe obshchestvo ispytatelei prirody. Trudy Otdel biologicheskii [Moscow Naturalists' Society Transactions Biological Section]
Trudy mol.nauch. sotr MONIKI (14a)	Moscow. Oblastnoi nauchno-issledovatel'skii klinicheskii institut. Trudy molodykh nauchnykh sotrudnikov [Province Scientific Research Clinical Institute. Papers by Young Research Workers]
Trudy Mosk.mat. ob-va (13e)	Moskovskoe matematicheskoe obshchestvo. Trudy [Moscow Mathematical Society Transactions]
Trudy Mosk.vet. akad. (15b)	Moscow. Moskovskaia veterinarnaia akademiia Trudy [Moscow Veterinary Medicine Academy. Transactions]
Trudy NIIAK (13f)	Moscow. Nauchno-issledovatel'skii institut aeroklimatologii Trudy [Scientific Research Institute of Aeroclimatology. Transactions]
Trudy NIIM (4a)	Moscow. Nauchno-issledovatel'skii institut muzeevedeniia. Trudy [Scientific Research Institute of Museum Organization. Transactions]
Trudy NIIZHT (16d)	Novosibirsk. Institut inzhenerov zheleznodorozhnogo transporta. Trudy [Institute of Railroad Transportation Engineers Transactions]
Trudy OmSKhI (15a)	Omsk. Sel'skokhoziaistvennyi institut. Trudy [Agricultural Institute. Transactions]
Trudy Otd.ekon. AN Tadzh. SSR (5b)	Akademiia nauk Tadzhikskoi SSR, Dushanbe. Otdel ekonomiki. Trudy [Academy of Sciences of the Tajik S.S.R. Department of Economics. Transactions]
Trudy po fiz. poluprov (13f)	Kishinev. Universitet. Trudy po fizike poluprovodnikov [University. Papers on Semiconductor Physics]
Trudy po khim. prirod.soed. (13d)	Kishinev. Universitet. Trudy po khimii prirodnykh soedinenii [University. Papers on the Chemistry of Natural Compounds]
Trudy SNIIGGIMS (12c)	Sibirskii nauchno-issledovatel'skii institut geologii, geofiziki i mineral'nogo syr'ia. Trudy [Siberian Scientific Research Institute of Geology, Geophysics, and Mineral Resources. Transactions]
Trudy Sred.-Az. nauch.-issl. gidrometeor.inst. (13f)	Sredneaziatskii nauchno-issledovatel'skii gidrometeorologicheskii institut. Trudy [Central Asia Hydrometeorological Research Institute. Transactions]
Trudy Sukh.bot. sada (13c)	Sukhum. Botanicheskii sad. Trudy [Botanical Garden. Transactions]
Trudy TSIP (13f)	Moscow. TSentral'nyi institut prognozov. Trudy [Central Weather Institute. Transactions]
Trudy TSNII MPS (16g)	Moscow. Vsesoluznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy [All-Union Scientific Research Institute of Railroad Transportation. Transactions]
Trudy TSNIIME (15c)	Khimki. TSentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i energetiki lesnoi promyshlennosti. Trudy [Central Scientific Research Institute of Mechanization and Use of Power in Lumbering. Transactions]
Trudy Tbil.GU (1a)	Tiflis. Universitet. Trudy [University. Transactions]
Trudy Tbil.NIGMI (13f)	Tiflis. Nauchno-issledovatel'skii gidrometeorologicheskii institut. Trudy [Hydrometeorological Scientific Research Institute. Transactions]
Trudy TomNIIVS (14e)	Tomsk. Nauchno-issledovatel'skii institut vaktsin i syvorotok. Trudy [Scientific Research Institute of Vaccines and Sera. Transactions]
Trudy Transp.-energ.inst.Sib. otd.AN SSSR (16g)	Akademiia nauk SSSR. Sibirskoe otdelenie. Transportno-energeticheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Siberian Branch. Transportation and Power Institute. Transactions]
Trudy UkrNIGMI (13f)	Kiev. Ukrainskii nauchno-issledovatel'skii gidrometeorologicheskii institut. Trudy [Ukrainian Scientific Research Hydrometeorological Institute. Transactions]
Trudy UkrNIISP (16c)	Kiev. Ukrainskii nauchno-issledovatel'skii institut spirtovoi i likero-vodochnoi promyshlennosti. Trudy [Ukrainian Scientific Research Institute of the Distilling and Liqueur and Vodka Industry. Transactions]

Trudy Ul'ian. sel'khoz. inst. (15a)	Ulyanovsk. Sel'skokhozialstvennyi institut Trudy [Agricultural Institute. Transactions]
Trudy Ural. politekh. inst. (16a)	Sverdlovsk Ural'skii politekhnicheskii institut Trudy [Ural Polytechnic Institute Transactions]
Trudy VISKHOMa (16g)	Moscow Vsesoiuznyi nauchno-issledovatel'skii institut sel'skokhozialstvennogo mashinostroenia Trudy [All-Union Scientific Research Institute of Agricultural Machinery Manufacture. Transactions]
Trudy VIZH (15b)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zhivotnovodstva. Trudy [All-Union Scientific Research Institute of Animal Husbandry. Transactions]
Trudy VNAIZ (16e)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zvukozapisi. Trudy [All-Union Scientific Research Institute of Sound Recording. Transactions]
Trudy VNIGRI (12c)	Leningrad, Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy [All-Union Petroleum (Scientific Research) Geological Prospecting Institute. Transactions]
Trudy VNIISTN (16g)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut po stroitel'stvu magistral'nykh truboprovodov. Trudy [All-Union Scientific Research Institute for the Construction of Pipelines. Transactions]
Trudy VNIIZ (15d)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zerna i produktov ego pererabotki. Trudy [All-Union Scientific Research Institute of Grain and Grain Products. Transactions]
Trudy VSEGEI (12c)	Leningrad. Vsesoiuznyi geologicheskii institut. Trudy [All-Union Geological Institute Transactions]
Trudy Vych. tsentra (13e)	Erivan. Vychislitel'nyi tsentr Trudy [Computation Center Transactions]
TSement (16d)	TSement [Cement]
TSIr. Astron. obser. L'viv. un. (13b)	Lvov. Universytet. Astronomichna observatoriia. TSirkuliar [University. Astronomical Observatory. Circular]
TSir. Tashk. astron. obser. (13b)	Tashkent. Astronomicheskaia observatoriia TSirkuliar [Astronomical Observatory. Circular]
Uch. zap. LGU (1a)	Leningrad. Universitet. Uchenye zapiski [University. Studies]
Uch. zap. MGPIIIA (11a)	Moscow. Moskovskii gosudarstvennyi pedagogicheskii institut inostrannykh iazykov. Uchenye zapiski [Moscow State Pedagogical Institute of Foreign Languages. Studies]
Uch. zap. Mosk. nauchn.-issl. inst. san. i gig. (14g)	Moscow. Nauchno-issledovatel'skii institut sanitarii i gigieny. Uchenye zapiski [Scientific Research Institute of Sanitation and Hygiene. Studies]
Uch. zap. Ped. inst. Gerts. (1a)	Leningrad. Gosudarstvennyi pedagogicheskii institut imeni A. I. Gertsena. Uchenye zapiski [A. I. Hertzen State Pedagogical Institute. Studies]
Uch. zap. Tadzh. un. Trudy Kaf. polit. ekon. (5b)	Dushanbe. Universitet Uchenye zapiski. Kafedra politicheskoi ekonomii. Trudy [University. Studies. Department of Economics. Transactions]
Uch. zap. Tash. teatr.-khud. inst. (9c)	Tashkent. Teatral'no-khudozhestvennyi institut. Uchenye zapiski [Theater and Art Institute. Studies]
Uch. zap. Turk gos. un (1a)	Ashkhabad Turkmenskii gosudarstvennyi universitet. Uchenye zapiski [Turkmenistan State University. Studies]
Uch. zap. UEIGB (14d)	Kiev. Ukrainskii eksperimental'nyi institut glaznykh boleznei i tkanevoi terapii. Uchenye zapiski [Ukrainian Experimental Institute of Eye Diseases and Tissue Therapy. Studies]
Ugol' (16h)	Ugol' [Coal]
Ukr. biokhim. zhur. (13c)	Ukrains'kyi biokhimichnyi zhurnal [Ukrainian Biochemical Journal]
Ukr. fiz. zhur. (13f)	Ukrains'kyi fizychnyi zhurnal [Ukrainian Physical Journal]
Ukr. khim. zhur. (13d)	Ukrainskii khimicheskii zhurnal [Ukrainian Chemical Journal]
Ukr. mova i lit. v shkoli (11a)	Ukrains'ka mova i literatura v shkoli [Ukrainian Language and Literature in Schools]
Ukraina (1b)	Ukraina [The Ukraine]
Uzb. geol. zhur. (12c)	Uzbekskii geologicheskii zhurnal [Uzbek Geological Journal]
Uzbekiston (1b)	Uzbekiston [Uzbekistan]
V pom radioliub. (16e)	V pomoshch' radioliubiteliu [A Guide for Radio Amateurs]
Ved. Verkh. Sov. RSFSR (6)	Russia (1917- R.S.F.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Ved. Verkh. Sov. SSSR (6)	Russia (1923- U.S.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Vest. AN Kazakh. SSR (1a)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Vestnik [Academy of Sciences of the Kazakh S.S.R. Journal]
Vest. AN SSSR (1a)	Akademiia nauk SSSR. Vestnik [Academy of Sciences of the U.S.S.R. Journal]
Vest. derm. i ven. (14i)	Vestnik dermatologii i venerologii [Review of Dermatology and Venereology]
Vest. LGU (1a)	Leningrad. Universitet Vestnik [University. Review]
Vest. mashinostr. (16g)	Vestnik mashinostroenila [Machine-Building Review]
Vest. Mosk. un. Ser. 2 Khim. (13d)	Moscow. Universitet Vestnik Seriia 2: Khimiia [University. Review. Series 2: Chemistry]
Vest. Mosk. un. Ser. 5 Geog. (12b)	Moscow Universitet. Vestnik Seriia 5: Geografiia [University. Review. Series 5: Geography]
Vest. Mosk. un. Ser. 6 Biol., pochv. (13c)	Moscow. Universitet. Vestnik. Seriia 6: Biologiia, pochvovedenie [University. Review Series 6. Biology, Soil Science]
Vest. Mosk. un. Ser. 7: Filol., zhur. (11b)	Moscow. Universitet. Vestnik. Seriia 7 Filologiia, zhurnalistika [University Review. Series 7: Philology, Journalism]
Vest. Mosk. un. Ser. 8. Ekon., filos. (5b)	Moscow Universitet. Vestnik Seriia 8 Ekonomika, filosofiia [University. Review. Series 8: Economics, Philosophy]
Vest. Mosk. un. Ser. 10. Pravo (7)	Moscow. Universitet. Vestnik Seriia 10: Pravo [University. Review. Series 10. Law]
Vest stat (5b)	Vestnik statistiki [Statistical Review]
Vest. sviazi (16e)	Vestnik sviazi [Communications Review]
Vest. vys shkoly (8a)	Vestnik vysshei shkoly [Review of Schools for Higher Education]
Veterinariia (15b)	Veterinariia [Veterinary Medicine]
Visnyk sil'hosp. nauky (15a)	Visnyk sil's'kohospodars'koi nauky [Review of Agricultural Science]
Vneshn. torg. (5a)	Vneshniaia torgovlia [Foreign Trade]
Voen. vest. (17a)	Voennyi vestnik [Military Review]
Voen. znan. (17a)	Voennye znaniia [Military Knowledge]
Vop. arkh. (4a)	Voprosy arkhivovedeniia [Problems of Archives]
Vop. ist. (4a)	Voprosy istorii [Problems of History]
Vop. ist. KPSS (6)	Voprosy istorii KPSS [Problems of the History of the Communist Party of the Soviet Union]
Vop. kur., fizioter. i lech. fiz. kul't. (14e)	Voprosy kurortologii, fizioterapii i lechebnoi fizicheskoi kul'tury [Problems of Resort Therapy, Physical Therapy and Exercise Therapy]
Vop. metod. prep. marks.-len. filos. v vuz. (3a)	Voprosy metodiki prepodavaniia marksistsko-leninskoi filosofii v vuzakh [Methodological Problems in Teaching the Marxist-Leninist Philosophy in the Institutions of *Higher Learning*]
Vop. pit (13c)	Voprosy pitaniia [Problems of Nutrition]
Vsem. prof. dvizh. (5d)	Vsemirnoe profsoiuznoe dvizhenie [World Trade-Union Movement]
Za bezop. dvizh. (16g)	Za bezopasnost' dvizhenila [For Traffic Safety]
Za rul. (16g)	Za rulem [At the Wheel]
Zbir. prats' Zool. muz. AN URSR (13c)	Akademiia nauk URSR, Kiev. Zoologichnyi muzei. Zbirnyk prats' [Academy of Sciences of the Ukrainian S.S.R. Zoological Museum. Papers]
Zdrav. Ros. Feder. (14a)	Zdravookhranenie Rossiiskoi Federatsii [Health Service of the Russian Federation]
Zdravookhranenie (14a)	Zdravookhranenie [Health Service]
Zemledelie (15d)	Zemledelie [Agriculture]
Zhel. dor. transp. (16g)	Zheleznodorozhnyi transport [Railroad Transportation]
Zhil.-kom. khoz. (16d)	Zhilishchno-kommunal'noe khoziaistvo [Housing and Communal Services]
Zhur. anal. khim. (13d)	Zhurnal analiticheskoi khimii [Journal of Analytical Chemistry]
Zhur. eksp. i teor. fiz. (13f)	Zhurnal eksperimental'noi i teoreticheskoi fiziki [Journal of Experimental and Theoretical Physics]
Zhur. Mosk. Patr. (3b)	Orthodox Eastern Church, Russian Patriarch. Zhurnal Moskovskoi Patriarkhii [Journal of the Moscow Patriarchate]
Zhur. nevr. i psikh. (14c)	Zhurnal nevropatologii i psikhiatrii [Journal of Neuropathology and Psychiatry]
Zhur. ob. biol. (13c)	Zhurnal obshchei biologii [Journal of General Biology]
Zhur. ob. khim. (13d)	Zhurnal obshchei khimii [Journal of General Chemistry]
Zhur. prikl. khim. (16c)	Zhurnal prikladnoi khimii [Journal of Applied Chemistry]
Zhur. struk. khim. (13d)	Zhurnal strukturnoi khimii [Journal of Structural Chemistry]
Zhur. tekh. fiz. (16a)	Zhurnal tekhnicheskoi fiziki [Journal of Technical Physics]
Zhur. vych. mat. i mat. fiz. (13e)	Zhurnal vychislitel'noi matematiki i matematicheskoi fiziki [Journal of Computer Mathematics and Mathematical Physics]
Zhur. vys. nerv. deiat. (14c)	Zhurnal vysshei nervnoi deiatel'nosti [Journal of the Higher Nervous Function]
Znan.-sila (13a)	Znanie - sila [Knowledge is Power]
Zvezda (11b)	Zvezda [The Star]

ACTH
Use of ACTH and adrenocortical hormones in therapeutic practice. I. T. Mal'tsev. Kaz. med. zhur. no. 1 69-71 Ja-F '61

ABASTUMANI REGION—ATMOSPHERE, UPPER
Study of the atmosphere using the twilight method in the Abastumani Astrophysical Observatory [with summary in English]. T. G. Mergelishvili. Trudy Astrofiz. inst. AN Kazakh. SSR 3 211-213 '62.

ABASTUMANI REGION—TWILIGHT
Study of the atmosphere using the twilight method in the Abastumani Astrophysical Observatory [with summary in English]. T. G. Mergelishvili. Trudy Astrofiz. inst. AN Kazakh. SSR 3 211-213 '62.

ABBREVIATIONS, RUSSIAN
Membership of the Interdepartmental Geophysical Committee under the Presidium of the Academy of Sciences of the U. S. S. R. Geofiz. biul. no. 10, 9-17 '61.

ABDOMEN—PUNCTURE
Experimental use of a test puncture for timely diagnosis of a liver rupture in horses in the practice of serum production [with summary in English]. R. P. Maslianko Trudy TomNIIVS 12 247-251 '60.
Test puncture as a method of early diagnosis of a rupture of the liver in horses yielding therapeutic serums [with summary in English]. B. G. Tukhmanov. Trudy TomNIIVS 12 241-246 '60.

ABDULLAEV, KHABIB MUKHAMEDOVICH
Role of Professor Kh. M. Abdullaev, the corresponding member of the Academy of Sciences of the Uzbek S. S. R., a member of the Academy of Sciences of the U. S. S. R., in the development of the geology of Uzbekistan. Uch. geol. zhur. 7 no. 3:5-10 '63.

ABDULOV, OSIP NAUMOVICH
44 car intercphone. Nat. Tolstova. Sov. radio i tel. 11 no. 6:34-35 Je '62.

ABILITY—TESTING
Technical abilities. N. Levitov. Sem'ia i shkola 18 no. 10 15-16 O '63.

ABKHAZIA—CLIMBING PLANTS
Annual lianas in vertical landscaping of the coastal belt of Abkhazia. T. N. Turchinskaia. Trudy Sukh. bot. sada no. 14 75-84 '62.

ABKHAZIA—LANDSCAPE GARDENING
Annual lianas in vertical landscaping of the coastal belt of Abkhazia. T. N. Turchinskaia. Trudy Sukh. bot. sada no. 14 75-84 '62.

ABKHAZIA—PLANTS
Plant growing bases of the agriculture of Abkhazia. F. Kleis. Ekon. sel'khoz. 34 no. 10:114-116 O '63.

ABKHAZIA—PLANTS, ORNAMENTAL—DISEASES AND PESTS
Pests of the flowering plants of the Black Sea region of Georgia (Abkhazia) and their control. V. N. Vashadze. Trudy Sukh. bot. sada no. 14:67-74 '62.

ABLAKETKA—COMMUNITY AND SCHOOL
Pensioners help a school. G. Karbushev. Shkola i proizv. 7 no. 10:03 O '63.

ABNORMALITIES (PLANTS)
Possible causes of the physiological dwarfishness of embryos. T. V. Daletskaia. Bot. zhur. 48 no. 9:1301-1308 S '63.

ABRASION
Abrasive wear of polymeric materials. Sh. M. Bilik, B. E. Salenko. Trudy TSNII MPS no. 267:60-69 '63.

ABSORBENTS
Molecular sieves and their use in the production of rubber goods. Z. V. Skorodumova, M. S. Fel'dshtein. Kauch. i rez. 22 no. 9:44-46 S '63.

ABSORPTION
Alkaline absorption of nitrogen oxides in a tubular tower with a centrifugal volume sprayer and evenly distributed flow. S. N. Ganz, I. E. Kuznetsov. Zhur. prikl. khim. 36 no. 8:1603-1607 Ag '63.
Effect of the concentration of monohydrate on the degree of absorption of sulfur trioxide. L. IA. Zhivaikin and others. Khim. prom. no. 7 505-506 Jl '63.
Mass transfer coefficients during absorption of sulfur dioxide from gases by solutions of magnesium sulfite-magnesium bisulfite. B. A. Chertkov. Khim. prom. no. 7 537-541 Jl '63.
Rate of absorption of nitrogen oxides in tubular towers with centrifugal volume sprayers. S. N. Ganz, I. E. Kuznetsov. Zhur. prikl. khim. 36 no. 8 1685-1692 Ag '63.

ABSORPTION (PHYSIOLOGY)
Absorption and liberation of radiocarbon (C^{14}) by fishes. G. V. Fedorova. Nauch. dokl. vys. shkoly, biol. nauki no. 4 84-89 '63.
Absorption of radioactive thiamine in the isolated section of the rumen. V. F. Vrakin. Dokl. TSKHA no. 69: 241-247 '61.
Determination of the effect of vitamin B_{12} on the absorption of amino acid mixtures in the intestine [with summary in English]. O. A. Shishova. Vop. pit. 22 no. 1. 50-55 Ja-F '63.

ABSORPTION OF LIGHT
Absorption of light in the atmosphere in the visual spectral region [with summary in English]. G. SH. Livshits. Trudy Astrofiz. inst. AN Kazakh. SSR 4:102-108 '63.
Prishivalko, A. P. [Reflection of light from absorbing media] Otrazhenie sveta ot pogloshchaiushchikh sred. Minsk, Izd-vo Akad. nauk Belorusskoi SSR, 1963. 429 p.
Revision of interstellar light absorption in the Galaxy [with summary in English]. A. S. Sharov. Astron. zhur. 40 no. 5:900-911 S-O '63.

ABSORPTION SPECTRA
Method of thickness control of coatings by means of reabsorption. V. A. Trapeznikov. Fiz. met. i metalloved. 12 no. 6 925-926 D '61.
Spectroscopic method for determining the density and thickness of films of strongly absorbing substances. N. G. Bakshiev, N. N. Pribytkova. Opt. i spektr. 15 no. 4 574-576 O '63.

ABSTRACT ART see Art, Abstract

ABSTRACTING
Cards for abstracts are important means of improving the operativeness of information abstracted. L. K. Letov. NTI no. 5:9-11 '63.
Comprehensive list of captions used by abstract journals in the Soviet Union. V. I. Gorikova. NTI no. 2 7-11 '63.

ACADEMIC DISSERTATIONS see Dissertations, Academic

ACADEMY OF SCIENCES OF THE KAZAKH S.S.R.
Decision of the general meeting of the Academy of Sciences of the Kazakh S. S. R. on the basis of the reports of Comrades Satpaev and S. B. Baishev. Vest. AN Kazakh. SSR 19 no. 9:45-47 S '63.
Draft of the new statutes of the Academy of Sciences of the Kazakh S. S. R. Vest. AN Kazakh. SSR 19 no. 9:47-48 S '63.
Draft of the statutes of the Academy of Sciences of the Kazakh S. S. R. O. A. Baikonurov. Vest. AN Kazakh. SSR 19 no. 9:36-40 S '63.
Ways of improving the scientific work of the Academy of Sciences of the Kazakh S. S. R. K. I. Satpaev. Vest. AN Kazakh. SSR 19 no. 9:5-10 S '63.

ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R.
Scientific profile of the establishments of the Academy of Sciences of the Ukrainian S. S. R. Vest. AN SSSR 33 no. 10 3-8 O '63.

ACADEMY OF SCIENCES OF THE U.S.S.R.
Akademiia nauk SSSR. Institut nauchnoi informatsii [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Institut nauchnoi informatsii Akademii nauk SSSR. Moskva, [1963] 31 p.
Changes in the organizational structure of establishments of the Academy of Sciences. Vest. AN SSSR 33 no. 10 120-121 O '63.
Popular scientific publications of the Academy of Sciences of the U. S. S. R. V. A. Bolarskii. Kniga, issl. i mat. 8, 45-65 '63.

ACADEMY OF SCIENCES OF THE UZBEK S.S.R.
General meeting of the Academy of Sciences of the Uzbek S. S. R. Izv. AN Uz. SSR, Ser. tekh. nauk 7 no. 4 81 '63.

ACCELERATION—PHYSIOLOGICAL EFFECT
Increase in the resistance of animals to overloads at great accelerations under the action of some stimulants, vitamins and hormone preparations. V. IA. Rusin. Nauch. dokl. vys. shkoly, biol. nauki no. 4:69-73 '63.

ACCELEROMETERS
Accelerometers of high sensitivity. I. B. Sinani. Trudy Inst. fiz. Zem. no. 26 72-77 '63.
Investigation of an acceleration transducer with filtering properties. K. N. Sergeev. Izv. vys. ucheb. zav., prib. 6 no. 5 84-94 '63.
Problems in the theory of inertial measurement of the acceleration of an aircraft. I. I. Pomykalov. Izv. vys. ucheb. zav., prib. 6 no. 5 58-68 '63.

ACCIDENT LAW
"Liability for work injuries" by A. A. Maidanik, N. IU. Sergeeva. Reviewed by Kh. Shvarts. Sov. iust. no. 13 29-30 Jl '63.

ACCORDION MUSIC
Lepin, A. IA. [If the accordion could; songs with accordion accompaniment] Esli b garmoshka umela; sbornik pesen s soprovozhdeniem baiana. Moskva, Voenizdat, 1963. 157 p.

ACCOUNTING
Bezrukikh, P. S., and N. N. Ivanov, eds. [Organization of standard accounting in enterprises] Organizatsiia normativnogo ucheta na predpriiatiiakh, sbornik statei. Moskva, Gosfinizdat, 1963. 193 p.
Cost accounting and acquisitions in State archives. F. I. Sharonov. Vop. arkh. 8 no. 2:61-65 Ap-Je '63.
Poklad, I. I., ed. [A course in accounting] Kurs bukhgalterskogo ucheta. 2., perer. i dop. izd. Moskva, Gosfinizdat, 1963. 488 p.
Utilization of the capital assets and calculation of their depreciation in the confectionery industry. V. V. Andreev. Khleb. i kond. prom. 6 no. 1:15-20 Ja '62.

ACETALS

Chemistry of unsaturated ethers. Part 17. Synthesis of acetals of alkyl propene aldehydes. O. A. Shavrygina, S. M. Makin. Zhur. ob. khim. 33 no. 10 3176-3180 O '63.

ACETAMIDE

Analogs of cytarabine containing trifluoromethyl-, mercapto-, and trifluoromethylsulfonyl groups. L. M. Yagupolskii, G. O. Vasilenko-Sova, M. I. Kaganovskaia. Zhur. ob. khim. 33 no. 8 2721-2723 Ag '63.

Free radical addition of N-alkyl acetamides to methyl acrylate. G. I. Nikishin, R. I. Mustafaev, A. D. Petrov. Dokl. AN SSSR 152 no. 4 879-881 O '63.

RNA changes in the giant chromosomes of Chironomus dorsalis during metamorphosis and under experimental treatments. I. I. Kiknadze, I. I. Filatova. Dokl. AN SSSR 152 no. 3 450-453 S '63.

ACETIC ACID

Causes of the unstable acidity of butyl acetate and their elimination. N. L. Lazareva, A. N. Zav'yalov. Gidroliz. i lesokhim. prom. 16 no. 7 17-20 '63.

Halo-α-nitrocarboxylic acids. Part 1. Derivatives of chloronitroacetic acid. I. V. Martynov, Yu. L. Krugliak, S. P. Makarov. Zhur. ob. khim. 33 no. 10 3382-3384 O '63.

Halo-α-nitrocarboxylic acids. Part 2. Derivatives of fluorochloronitroacetic acid. I. V. Martynov, Yu. L. Krugliak, S. P. Makarov. Zhur. ob. khim. 33 no. 10 3384-3386 O '63.

Interaction of gibberellic acid and the derivatives of pheroxyacetic acid in flax plants. S. M. Mashtakov, A. P. Volynets. Dokl. AN SSSR 7 no. 4, 266-269 Ap '63.

Molecular compounds of lithium halides with acetic acid. F. M. Gortenbein, V. A. Fominskaia. Ukr. khim. zhur. 29 no. 8 873-876 '63.

Reaction of diazoacetic ester with 1, 3-cycloheptadiene. I. V. Dilakerov, T. V. Domareva-Mandel'shtam, V. V. Razin. Zhur. ob. khim. 33 no. 10 3437-3438 O '63.

Reactions involving α-oxides. Part 3. Kinetics of secondary reactions in the interaction between ethylene oxide and acetic acid. N. N. Lebedev, K. A. Gus'kov. Kin. i kat. 4 no. 4 581-588 Jl-Ag '63.

Synthesis of 1-arylbuten-2-yldiethylmalonic esters and 1-arylbuten-2-ylacetic acids from chloroaryl butenes and sodium malonic ester. M. M. Rukhomenko, N. I. Garushchak, A. V. Dombrovskii. Zhur. ob. khim. 33 no. 8 2528-2532 Ag '63.

ACETOACETIC ACID

Acetylenic hydroxy acids, their synthesis and transformations. Part 1. Synthesis of esters of acetylenic hydroxy acids starting from esters of pyruvic and diethylacetoacetic acids. T. A. Favorskaia, B. N. Samusik. Zhur. ob. khim. 33 no. 10 3157-3159 O '63.

Condensed heterocycles. Part 3. Condensation of 3-amino-1, 2, 4-triazole with some β-ketocarboxylic esters. IA. V. Levin, N. A. Gul'kina, V. A. Kukhtin. Zhur. ob. khim. 33 no. 8, 2673-2677 Ag '63.

Synthesis and acid cleavage of methyl-α-methoxyethylacetoacetic ester. A. V. Bogatskii and others. Zhur. ob. khim. 33 no. 10 3445-3446 O '63.

ACETONE

Early changes in the state of health of workers in the cumene process of phenol and acetone production. A. M. Vislov and others. Uch. zap. Mosk. nauch. -issl. inst. san. i gig. no. 9; 13-16 '61.

Liquid - vapor equilibrium in the system acetone - chloroform - hexane at temperatures 35, 45, 55° and pressure 760 mm. Hg. L. S. Kudriavtseva, M. P. Susarev. Zhur. prikl. khim. 36 no. 8; 1710-1716 Ag '63.

Materials for evaluating the pollution of air by wastes in the production of phenol and acetone by the cumene method. V. P. Melekhina, M. A. Panigin. Uch. zap. Mosk. nauch. -issl. inst. san. i gig. no. 9; 25-29 '61.

On certain properties of water-acetone solutions of potassium bicarbonate and carbon dioxide. I. A. Semiokhin, L. K. Lykova. Vest. Mosk. un. Ser. 2, Khim. 18 no. 5 26-28 S-O '63.

Principal problems of hygiene in the production of phenol and acetone by the cumene method. M. I. Fongaus. Uch. zap. Mosk. nauch. -issl. inst. san. i gig. no. 9; 5-12 '61.

Reactions of aromatic nitro compounds. Part 16: Preparation of the Janovsky reaction products. S. S. Gitis, A. IA. Kaminskii. Zhur. ob. khim. 33 no. 10, 3297-3300 O '63.

Sanitary conditions for discharging sewage from phenol and acetone production into open waters. R. D. Smirnova, S. D. Zamyslova, G. P. Zarubin. Uch. zap. Mosk. nauch. -issl. inst. san. i gig. no. 9; 30-33 '61.

Use of acetone in the extraction of soy-bean oil. N. K. Nadirov, R. V. Bobrinetskaia. Izv. vys. ucheb. zav.; pishch. tekh. no. 4; 58-60 '63.

Use of water-acetone solutions of potassium bicarbonate for separating carbon isotopes. Part 2. I. A. Semiokhin, L. K. Lykova, A. G. Serenkova. Vest. Mosk. un. Ser. 2, Khim. 18 no. 5; 29-31 S-O '63.

ACETONE--ELECTRIC PROPERTIES

Dielectric properties of acetone-nitrobenzene solutions in the super-high-frequency range. R. M. Kasimov, IA. IU. Akkerov, M. I. Shakhparonov. Vest. Mosk. un. Ser. 2, Khim. 18 no. 5; 22-25 S-O '63.

ACETOPHENONE

Problem of the condensation of o-hydroxyacetophenone with diethyl oxalate. V. V. Zagorevskii, D. A. Zykov. Zhur. ob. khim. 33 no. 8 2469-2471 Ag '63.

ACETYL CHLORIDE

Interaction of tetrahydrofuran with acetyl chloride in the presence of zinc bromoenol acetates. V. A. Barkhash, G. P. Smirnova, I. V. Machinskaia. Zhur. ob. khim. 33 no. 8 2570-2573 Ag '63.

ACETYLENE

Preparation of acetylenic concentrates from gaseous products obtained in the electrocracking of liquid hydrocarbons by the thermal displacement method. O. P. Krivoruchko and others. Neftekhimiia 3 no. 1 523-530 Jl-Ag '63.

Problem of the formation of acetylene and carbon black. A. D. Kokurin. Zhur. prikl. khim. 36 no. 8 1782-1784 Ag '63.

Reactions of aliphatic diazo compounds with unsaturated compounds. Part 23. Reaction of ethyl ester of diazoacetic acid with diphenylacetylene. I. A. Dilakov, M. I. Komendantov. Zhur. ob. khim. 33 no. 8 2448-2456 Ag '63.

Vapor-phase catalytic conversions of acetylene. Part 3. Kinetics and the mechanism of vapor-phase hydrochlorination of acetylene over catalysts such as chlorides of Hg (II), Cd, Zn, Bi. A. I. Gel'bshtein, G. G. Shcheglova, A. A. Khomenko. Kin. i kat. 4 no. 4; 625-634 Jl-Ag '63.

ACETYLENE COMPOUNDS

Direction of the addition of hydrogen halides to enyne hydrocarbons with conjugated and nonconjugated multiple bonds. A. A. Petrov, IU. I. Porfir'eva. Zhur. ob. khim. 33 no. 10 3215-3223 O '63.

Preparation of acetylenic tin hydrocarbons by the direct substitution of a tin-containing group for acetylenic hydrogen. V. S. Zavgorodnii, A. A. Petrov. Zhur. ob. khim. 33 no. 8 2791 Ag '63.

Propargyl rearrangement of a new type. B. V. Ioffe, Z. I. Sergeeva, D. D. TSitovich. Zhur. ob. khim. 33 no. 10 3418 O '63.

Selectivity and stereospecificity in the processes of hydrogenation of acetylenic hydrocarbons on metal catalysts. L. Kh. Freidlin, IU. IU. Kaup. Dokl. AN SSSR 152 no. 6 1383-1386 O '63.

Synthesis of pyrazolines from acetylenic chlorides and hydrazine. B. V. Ioffe, D. D. TSitovich. Zhur. ob. khim. 33 no. 10 3449 O '63.

ACIDS

Determination of the acid dissociation constants of β-diketones of the selenophene series. I. P. Tsukerov and others. Vest. Mosk. un. Ser. 2, Khim. 18 no. 5 49-53 S-O '63.

Surface-active properties of branched aliphatic acids. N. A. Aleshnikov and others. Neftekhimiia 1 no. 3 418-426 My-Je '61.

ACIDS, FATTY

Chromatographic analysis of higher fatty acids in wood chemical products. L. V. Kosiukova, IU. V. Vodzinskii, IU. K. Shaposhnikov. Gidroliz. i lesokhim. prom. 16 no. 7; 9-11 '63.

Discharge into the atmosphere of wastes from the production of synthetic fatty acids and their effect on public health. T. I. Dubrovskaia and others. Uch. zap. Mosk. nauch. -issl. inst. san. i gig. no. 9; 63-66 '61.

Kinetics of the amination of fatty acids by monoethanolamine. M. A. Kamyshan, G. M. Pavlov. Izv. vys. ucheb. zav.; pishch. tekh. no. 4; 61-64 '63.

Reactions of cyanamide with aliphatic acid anhydrides. A. E. Kretov, A. P. Momsenko. Zhur. ob. khim. 33 no. 10, 3325-3328 O '63.

Sanitary characteristics of sewage from the production of synthetic fatty acids and sanitary requirements for discharge into open waters. A. F. Aksiuk, S. D. Zamyslova. Uch. zap. Mosk. nauch. -issl. inst. san. i gig. no. 9; 67-72 '61.

Some characteristics of the composition of food rations for cows and their effect on the conjugated acids of butterfat. S. P. Libets. Dokl. TSKHA no. 69; 81-84 '61.

Some problems of hygiene arising in the production of synthetic fatty acids and higher aliphatic alcohols. IU. L. Egorov, A. A. Kasparov. Uch. zap. Mosk. nauch. -issl. inst. san. i gig. no. 9; 34-39 '61.

Use of $C_7 - C_9$ fatty acids for separating iron and copper from nickel [with summary in English]. S. E. Kreimer, N. V. Tuzhilina, A. S. Lomekhov. Zhur. anal. khim. 18 no. 9; 1080-1082 S '63.

ACIDS, FATTY--TOXICOLOGY

Changes in the health of workers engaged in the production of synthetic fatty acids. A. M. Vislov and others. Uch. zap. Mosk. nauch. -issl. inst. san. i gig. no. 9; 17-21 '61.

Materials concerning the toxicology of synthetic fatty acids. IU. I. Egorov, V. A. Lapshin. Uch. zap. Mosk. nauch. -issl. inst. san. i gig. no. 9; 40-46 '61.

ACIDS, INORGANIC

Passing of weak mineral acids to saturated solutions. D. G. Tskhvirashvili, V. V. Cholokashvili. Soob. Gruz. SSR 30 no. 5 575-579 My '63.

ACIDS, ORGANIC

Effect of some organic acids on the oxidation and their combinations with hydrocarbons on the development of Actinomyces antibioticus and tetracycline formation. I. P. Baranova, [illegible]. Nauch. dokl. vyss. shkoly, biol. nauki no. 1 [illegible] '63.

Esters of α-metalated carboxylic acids. Preparation of esters of triallylstannyl- and triallylplumbanecarboxylic acid from esters of monochloroacetic acid. I. F. Lutsenko, IU. I. Baukov, B. N. Khasapov. Zhur. ob. khim. 33 no. 8 2771-2777 Ag '63.

Factors determining the distribution of inorganic acids between aqueous and organic phases. I. V. Berezkin, M. I. Pushlenkov, M. E. Shur-Penkova. Trudy Inst. khim. 11 47-58 '63.

Halo-α-nitrocarboxylic acids. Part 3. Dihalo-α-nitroperfluorocarboxylic acids. I. V. Martynov, Yu. L. Krugliak, S. P. Makarov. Zhur. ob. khim. 33 no. 10 3386-3388 O '63.

Reactions of polyalkylcyclohexanecarboxylic acids. M. M. Morgunova, D. IA. Zhinkin, T. I. Levshi. Zhur. ob. khim. 33 no. 10 3306-3310 O '63.

Regularities in the change of acidity and basicity in homologous series of ω, ω'-bifunctional acids. Part 3. Dependence of the acidity of polysubstituted aliphatic n-carboxylic acids on the dielectric constant of the solvent. I. A. Mal. Zhur. ob. khim. 33 no. 10, 3126-3132 O '63.

Structure of some organotin salts of carboxylic acids. N. A. Slovokhotova and others. Zhur. ob. khim. 33 no. 8 2610-2613 Ag '63.

Synthesis of derivatives of carboxylic acid from monoxide, olefins, and acylable compounds. Synthesis of carboxylic acid esters from unsaturated hydrocarbons, donors of hydrogen ion [illegible]. IA. I. Eidus, K. G. Rikhova. Zhur. ob. khim. 33 no. 10 3278-3282 O '63.

Synthesis of polymers from the nitriles of aromatic fatty acids by polycondensation reaction. V. V. Korshak, S. L. Sosin, V. A. Vasnev. Dokl. AN SSSR 152 no. 4 872-874 O '63.

ACOUSTIC NERVE

Neuron structure of the cortical termination of the auditory analyser in lower monkeys [with summary in French]. N. S. Popova. Zhur. nevr. i psikh. 63 no. 12; 1777-1783 '63.

ACOUSTICAL ENGINEERING

Device for the visual observation of the polar diagrams of microphones and loudspeakers. Zhuravlev, A. I. Kontsevich. Tekh. kino i telev. no. 8; 27-31 Ag '63.

ACQUISITIONS (LIBRARIES)

[New foreign books; catalog of new acquisitions.] Novye inostr. knigi; kat. nov. postup. nos. 1-8 '63. Bibliog. k nos. 1-12 za 1962 g.

ACRIDINE ORANGE

Determining the degree of spiralization of transfer RNA from the fluorescent properties of their complexes with acridine dyes. O. F. Bortnova, L. I. Kiseleva, E. Z. Tumerman. Dokl. AN SSSR 152 no. 4; 1001-1004 O '63.

ACRIFLAVINE

Some luminescent properties of organic dyes [with summary in English]. N. M. Kyshtak, N. M. Dyatlova. Fiz. zhur. 8 no. 8 900-906 Ag '63.

ACRYLAMIDE

Some results of industrial testing of polyacrylamide yarn sizing. Kh. M. Zinker, F. S. Gandler. Tekst. prom. no. 3, 29-32 Jl-S '63.

ACRYLIC ACID

Free radical addition of N-alkyl acetamides to methyl acrylate. G. I. Nikishin, R. I. Mustafaev, A. D. Petrov. Dokl. AN SSSR 152 no. 4; 879-881 O '63.

Interaction of uracil with derivatives of acrylic acid. IU. P. Shvachkin, M. T. Azarova, I. I. Rapoport. Vest. Mosk. un. Ser. 2: Khim. 18 no. 5 68-69 S-O '63.

Rapid method for quantitative determining of hydroquinone in polyester acrylates. IU. A. Kondrashova, V. I. Vanushkina. Lakokras. mat. i ikh primen. no. 2 47 '63.

ACRYLONITRILE POLYMERS

Using the card spinning system for processing polyacrylonitrile "prelan" fibers. IE.F Shcherban', B.I.Sokolov, F.I.Hribovian. Leh prom. no.3 66-71 Jl-S '63

ACTING

Blok, V.B. [Stanislavskii's method and problems of dramaturgy] Sistema Stanislavskogo i problemy dramaturgii Moskva, Vseros. teatral'noe ob-vo, 1963. 133 p

Cherished dream. P. Kumanchenko. Mystetstvo 10 no.4/5 Jl-Ag '63.

They propose to film.... Isk.kino 33 no.7:94-95 '63.

The 30th Pierre. O.Korotkov. Ukraina no.19:14 O '63.

Traditions and quests. Boris Andreev. Isk.kino 33 no.7:11-13 '63.

Visiting Andrei Popov. Isk.kino 33 no.7:90-92 '63.

Where is skill acquired? Isk.kino 33 no.7:93 '63.

ACTINOMETRY
(see also subdivision under Soviet Central Asia, Uzbekistan)

Conference on Actinometry and Atmospheric Optics, held in Moscow. E.M.Feigel'son. Vest.AN SSSR 33 no.10 102-103 O '63.

Temperature conditions of a cotton field. I.P.Beliaeva. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst no.11 145-151 '63.

ACTINOMYCES

Effect of some organic acids as the only source of carbon and their combinations with hydrocarbons on the development of Actinomyces aureofaciens and chlortetracycline formation. I.P.Baranova, N.S.Egorov. Nauch.dokl.vys.shkoly; biol.nauki no.4:162-166 '63.

Structure of rubiteicinoic acid from Actinomyces streptomycini. I.B.Naumova, Z.A.Shabarova, A.N.Belozerskii. Dokl.AN SSSR 152 no.6:1471-1474 O '63.

ACTIONS AND DEFENSES

Ancillary actions to be directed against concrete defendants. I.Petrov. Sots.obesp. 24 no.10:16-17 O '63.

ACTIVITY COEFFICIENTS

Determining the deoxidizing properties of elements by the electromotive force method. V.P.Luzgin, A.F.Vishkarev, V.I.Iavoiskii. Izv.vys.ucheb.zav.; chern.met. 6 no.9:50-54 '63.

Distribution coefficient of electrolytes as a function of solvation energy and of the activity coefficients of its ions. M.V.Ionin, N.V.Kuzina. Trudy Kom.anal.khim. 14 87-98 '63.

ACTORS

Fink, L.A. [Actors of our theater, studies and characterizations] Aktery nashego teatra, etiudy i kharakteristiki. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1962 125 p.
(NIC)

ACTORS—CORRESPONDENCE, REMINISCENCES, ETC.

Yur'ev, Yu.M. [Memoirs] Zapiski. Red. i vstup. stat'ia E.M.Kuznetsova. Leningrad, Iskusstvo. (Teatral'nye memuary)
Vol.1. 1963. 658 p.

ACYLATION

Acylating action of mixed anhydrides of fluorine-containing carboxylic acids. A.V.Fokin, A.A.Skladnev, V.A.Komarov. Zhur.ob.khim. 33 no.10:3271-3274 O '63.

Acylation of aromatic compounds. Part 7: Benzoylation, caproylation, and acetylation of 2-methoxynaphthalene. I.N.Zemzina, I.P.TSukervanik. Zhur.ob.khim. 33 no.8 2605-2609 Ag '63.

ADAPTATION (BIOLOGY)

Some problems in the evolution of robber flies. P.A.Ler. Trudy Kaz.NIIZR 7:347-382 '62.

ADENINE

Effect of adenine on the temperature inactivation of the action of the vagus nerve and acetylcholine. M.A.Poskonova, S.P.Aleksandriuk. Dokl.AN SSSR 152 no.6: 1487-1489 O '63.

ADENOVIRUS INFECTIONS

Clinic testing of deoxyribonuclease in adenovirus conjunctivitis. N.I.Moroskin, R.IA.Khersonskaia. Izv. SO AN SSSR no.8, Ser.biol.-med.nauk no.2:102-107 '63.

ADENOVIRUSES

Effect of deoxyribonuclease on the multiplication of adenoviruses in tissue culture. R.I.Salganik, A.A. Trukhachev. Izv.SO AN SSSR no.8, Ser.biol.-med. nauk no.2:99-101 '63.

ADHESION

Adhesion of some polyamide films to metals and alloys. Sh.M.Blik, IU.B.IAsson. Trudy TSNII MPS no.207: 12-24 '63.

Effect of the electrokinetic properties of granite on the adhesion of bitumens. A.V.Bernshtein, V.I.Barzam. Ukr.khim.zhur. 29 no.8 824-826 '63.

ADHESIVES

Adhesive for shoe lasting by the gluing method. M.A. Horonovs'ka, H.S.Nadirashvili, L.B.Rozovs'ka. Leh.prom. no.3:45-47 Jl-S '63.

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii legkoi promyshlennosti. [Improving the cementing process of assembly in shoe manufacture] Sovershenstvovanie kleevykh metodov krepleniia v obuvnom proizvodstve Moskva, 1963. 52 p
[MICROFILM]

ADMINISTRATION OF JUSTICE see Justice, Administration of

ADMINISTRATIVE LAW

Brief reviews of new books. Sov.gos.i pravo 33 no.10: 166-169 O '63.

How the violation of administrative regulations affects the determination of some classes of criminal offenses. L.Dodin. Rad.pravo no.4 85-87 Jl-Ag '63.

"Soviet administrative law, general part." Reviewed by V.V.Kravchenko, B.N.Gabrichidze. Vest.Mosk.un. Ser.10, Pravo 18 no.4:65-70 O-D '63.

ADMINISTRATIVE REMEDIES see subdivision under Chernigov Province

ADOLESCENCE

Diurnal rhythm of the pulse frequency, level of arterial pressure, and body temperature in juvenile workers. E.S.Rutenburg Uch.zap.Mosk.nauch.-issl.inst.san.i gig. no.2 37-40 '59.

Law on strengthening the ties between school and life and on the further growth of the public education system, and tasks for hygienists. S.M.Grombakh Uch. zap.Mosk.nauch.-issl.inst.san.i gig. no.2 5-7 '59.

ADOPTION

Warmhearted people. S.Hrybouski. Rab.i sial. 39 no.9 11 S '63.

ADRENAL CORTEX

Changes in the proteins, lipoproteids and glucoproteids of blood serum, and the adrenocortical function in the sulfanilamide treatment of diabetes; abstract. M.B.Sheikman. Kaz.med.zhur. no.1:109 Ja-F '61

ADRENAL GLANDS—CANCER

Malignant tumors of the adrenal glands in newborn infants. IU.G.IUdin. Trudy mol.nauch.sotr.MONIKI no.1:141-142 '59.

ADRENAL GLANDS—SURGERY

Reaction of the adrenal glands in hypophysectomized rats to unilateral adrenalectomy, administration of adrenaline and irradiation. E.R.Bagramian. Arkh. pat. no.2 59-65 '63.

ADRENALINE

Adrenaline metabolism and mental disorders [with summary in French] V.M.Banshchikov, G.V.Stoliarov. Zhur.nevr.i psikh. 63 no.2:295-303 '63.

Effect of catechol amines on oxidative processes under normal conditions, and in experimental hypertension [with summary in English] M.IU.Haisyns'ka, A.M. Utievs'kyi. Ukr.biokhim.zhur. 34 no.2,237-243 '62

Electrocardiographic analysis of the reactivity of the heart to adrenaline in dogs after acute radiation sickness caused by total X-ray irradiation. V.I.Korchemkin, N.V.Raeva. Radiobiologiia 2 no.6:883-890 '62.

Galvanoadrenaline and dionine tests in different physiological states of an organism. V.A.Baraboi. Vop.kur., fizioter.i lech.fiz.kul't. 27 no.4:339-343 Jl-Ag '62.

ADRENOCORTICAL HORMONES

Effect of adrenal gland hormones on the r of the chromosomal apparatus in the epi of the cornea of mice. IU.IA.Kerkis, V Dokl.AN SSSR 152 no.4:992-994 O '6.

Ivanov, N.A. [Treatment of some derma corticosteroids] Lechenie kortikosteroidami dermatozov. Leningrad, Medgiz, 1963. (DNLM)

Treatment of eczema and diffuse neurode ACTH and cortisone in compound therap bin. Vest.derm.i ven. 36 no.10:79-81

Use of ACTH and adrenocortical hormon tic practice. I.T.Mal'tsev. Kaz.med. 69-71 Ja-F '61.

ADSORBENTS

Molecular sieves. I.Neimark. Nauka i no.3:23-24 Mr '63.

ADSORPTION

Adsorption modification of dispersed qua ture formation in solutions of rubber. I A.B.Taubman. Dokl.AN SSSR 152 no. '63.

Conference on adsorption and methods of chromatographic analysis. I.A.Nozhkina, V.G.Berezkin. Neftekhimiia 1 no.4 573-575 Jl-Ag '61.

Intercrystallite internal adsorption in Cu-Al solid solutions during hardening from high temperatures. V.E Panin and others. Fiz.met.i metalloved. 12 no.6 927-928 D '61.

Separation of sulfur compounds from aromatic hydrocarbons by means of adsorption. N.I.Chernozhukov, K.A.Shchegrova. Izv.vys.ucheb.zav., neft' i gaz 5 no.1:51-56 '62.

ADULT EDUCATION see subdivision under Dnepropetrovsk Province; Tashkent; Ukraine, Voronezh Province

ADVERTISING

Logical stress in advertisements and notices. E.V. Paducheva. NTI no.5:31-32 '63.

ADVERTISING—BOOKS see subdivision under White Russia

AERIAL PHOTOGRAMMETRY see subdivision under Atlantic Ocean

AERIAL PHOTOGRAPH READING see Photographic interpretation (Military science)

AERIAL SPORTS
(see also subdivision under Yaroslavl)

At the table of results. M.Lebedinskii. Kryl.rod. 14 no.10 30-11 O '63.

Facts, events, people. Kryl.rod. 14 no.10:28-29 O '63.

Festivals of winged people. Kryl.rod. 14 no.10:1 O '63.

Our team is the world champion. IU.Sokolov. Kryl.rod. 14 no.11:37-38 N '63.

Toward the Third All-Union Spartakiada in technical sports. Kryl.rod. 14 no.10,2 O '63.

Victory of Soviet model airplane builders. A.Ermakov. Kryl.rod. 14 no.11 39-41 N '63.

AERODYNAMICS

Aerodynamics of a turbulent diffusion flame in a wake current. Sh.A.Ershin, L.P.IArin. Vest.AN Kazakh SSR 18 no.4 46-51 Ap '62

AERODYNAMICS, HYPERSONIC

Hypersonic flow past a circular cone at the angle of attack. IA.G.Sapunkov Prikl.mat.i mekh. 27 no.1:190-192 Ja-F '63.

On a magnetohydrodynamic hypersonic flow past a wedge. M.D.Ladyzhenskii. Prikl.mat.i mekh. 27 no.1:55-60 Ja-F '63.

On three-dimensional bodies of minimum drag at high hypersonic speeds. A.L.Gonor. Prikl.mat.i mekh. 27 no.1:185-189 Ja-F '63.

AERODYNAMICS, SUPERSONIC

Calculation of supersonic equilibrium air flows. I.N. Naumova. Zhur.vych.mat.i mat.fiz. 3 no.5,964-970 S-O '63.

Effect of the rarefaction of a supersonic flow on the base pressure of a solid of revolution [with summary in English]. S.I.Kosterin, N.T.Belova. Inzh.-fiz.zhur. 6 no.11:14-19 N '63.

Study of a supersonic jet of carbon dioxide as a target for ion charge exchange. E.S.Borovik and others. Zhur. tekh.fiz. 33 no.8:973-981 Ag '63

Theory of a differential ejector. B.A.Urlukov. PMTF no.5:41-47 S-O '63.

AERON/ [illegible]

It is i

AERONAUTICS IN OCEANOGRAPHY
[illegible] Ir [illegible] tch. [illegible] '63.

AEROSOLS
[illegible] I [illegible], V. M. Bo- [illegible]
[illegible]
[illegible] 100-114 [illegible]

AEROSOLS—OPTICAL PROPERTIES
[illegible] Trudy [illegible] 100-107 '62

AESCHYNITE see subdivision under Vishnevyye Mountains

AESTHETICS
[illegible] O. [illegible] 10 no 3 35 [illegible]
"Art, aesthetics, [illegible]" M. Baskin. Iskusstvo 26 no. 10 71-72 '63
Dmitrieva, N. A. [The image and the word] Izobrazhenie i slovo. [Moskva, Iskusstvo 1962] 313 p. plates (MH)
Il'enkov, E. G. [Aesthetic perception and religion] Esteticheskoe poznanie i religiia. Moskva, Vysshaia shkola, 1962 63 p. (Materialy k lektsiiam po filosofii) (MH)
Ovsiannikov, M. F., and Z. V. Smirnova. [Essays on aesthetic theories] Ocherki esteticheskikh uchenii. Moskva, Izd-vo Akad. nauk SSSR, 1963 430 p.
Shestakov, K. V. [Essay on the development of aesthetic thought in Russia. Old Russian aesthetics from the 11th to the 17th century] Ocherk razvitiia esteticheskoi mysli v Rossii, drevnerusskaia estetika XI-XVII vekov. Moskva, Vysshaia shkola, 1963 114 p. (NIC)
"[illegible] and some problems of aesthetics." N. I. [illegible] Uch. zap. Tash. teatr.-khud. inst. no 5 27-40 '62

AESTHETICS—STUDY AND TEACHING
Artistic taste should be trained. P. Resnetnikov. Shkola [illegible] no. [illegible] 40-42 S-O '63
[illegible] on aesthetic education. V. Kudin. Komm. Ukr. 39 no 10 30-42 O '63
[illegible] arts group. I. Goncharov. Iskusstvo 26 no. 8 40-42 '63
Let's help the teachers. G. Tsitovich. Ogonek 41 no. 37 28 S '63.
Let's inculcate a feeling for beauty, in the Bureau of the Central Committee of the CPSU for the R.S.F.S.R. Nar. obr. no 10 1-2 O '63.
What can a geography course contribute to the aesthetic training of students. G. P. Bogoiavlenskii. Geog. v shkole 26 no 5 33-40 S-O '63

AFGHAN ART see Art, Afghan

AFGHANISTAN—ECONOMIC CONDITIONS
[Economic conditions of the countries of the Near and Middle East in 1961-1962] Ekonomicheskoe polozhenie stran Blizhnego i Srednego Vostoka v 1961-1962 gg. [Moskva] 1963 63 p. (Biulleten' inostrannoi kommercheskoi informatsii, prilozhenie, no. 9)

AFRICA—BIBLIOGRAPHY
[New Soviet and foreign literature on the countries of the non-Soviet East] Nov. sov. i inostr. lit. po stran. zarub. Vost. no. 9 '63

AFRICA—COLONIZATION
"White settlers in tropical Africa" (in English) by L. Gann, P. Duignan, book review. Nar. Az. i Afr. no. 5:220-221 '63

AFRICA—ECONOMIC CONDITIONS
African prospects. F. Grishechkin. Nov. vrem. 21 no 41 7-9 O '63.
Africa's struggle for economic progress. Idris Cox. Nar. Az. i Afr. no. 5:22-33 '63.
The theory of "reciprocal development" and "combined integration" [with summary in English]. N. S. Babintseva. Vest. LGU 18 no. 17 32-44 '63.
Under the rule of the capitalist Moloch. G. Usov. Mezhdunar. zhizn' 10 no. 12 42-48 D '63.

AFRICA—ETHNOLOGY
Akademiia nauk SSSR. Institut etnografii. [Ancient and medieval sources for the ethnography and history of the peoples of Africa south of the Sahara] Drevne i srednevekovye istochniki po etnografii i istorii narodov Afriki iuzhnee Sakhary. Moskva, Izd-vo Akad. nauk SSSR, 1960- 1 v. (MiU)

AFRICA—EXHIBITIONS
Soviet exhibitions in Africa. N. Kuz'mina, N. Sapozhnikova. Vnesh. torg. 43 no. 10 36-39 '63.

AFRICA—GRANITE-GNEISS
Concentration of rare earths in granite gneisses of the Archean basement in Africa. S. E. Kolotukhina. Trudy IMGRE no. 17 109-117 '63.

AFRICA—HISTORIOGRAPHY
Present-day study of African history and its principal objectives. I. I. Potekhin. Afr. sbor. no. 1:3-23 '63.

AFRICA—HISTORY
Akademiia nauk SSSR. Institut Afriki. [African collection] Afrikanskii sbornik. Moskva, Izd-vo vostochnoi lit-ry.
Vol 1. Lutskii, V. B., ed. [History] Istoriia. 1963 (MH)
Asia and Africa in volume 9 of "World history." A. N. Kheifets. Nar. Az. i Afr. no. 5 185-189 '63.
Black mother, excerpts from a book [translated from the English] Basil Davidson. Az. i Afr. seg. no. 11 50-53 N '63

AFRICA—HISTORY—SOURCES
Akademiia nauk SSSR. Institut etnografii. [Ancient and medieval sources for the ethnography and history of the peoples of Africa south of the Sahara] Drevne i srednevekovye istochniki po etnografii i istorii narodov Afriki iuzhnee Sakhary. Moskva, Izd-vo Akad. nauk SSSR, 1960- 1 v. (MiU)

AFRICA—LABOR AND LABORING CLASSES
Iskenderov, A. A., Kiselev, V. I., and IU. N. Rozaliev. [Labor movement in Asia and Africa] Rabochee dvizhenie v Azii i Afrike. Moskva, Izd-vo "Znanie," 1963, 32 p. (Novoe v zhizni, nauke, tekhnike. I Seriia: Istoriia, no. 18)

AFRICA—MILITARY ASSISTANCE
NATO's spider's web in Africa. I. Fadeev. Mezhdunar. zhizn' 10 no 12 99-102 D '63.

AFRICA—NATIONALISM
African nationalism and the national liberation movement. A. M. Ankhov. Vop. ist. 38 no. 10 191-192 O '63.

AFRICA—POLITICS
African prospects. F. Grishechkin. Nov. vrem. 21 no 41 7-9 O '63
African volcanoes and Peking firecrackers. B. Beknazar-IUzbashev. Az. i Afr. seg. no. 11 10-13 N '63.
The echo of Brazzaville events. B. Piliatskin. Az. i Afr. seg. no 11:55 N '63
Leninist alliance of world socialism with the national liberation movement [with summary in English, p. 256]. V. I. Pavlov, I. B. Red'ko. Nar. Az. i Afr. no. 5 10-21 '63.
Magicians from the newspaper "Progress", against misinformation and slander. IU. Bochkarev. Nov. vrem. 21 no 45 27-28 N '63.
Unity, peace, neutrality policy. L. Khanga, Ov M'Ilifian. Mezhdunar. zhizn' 10 no 12.130-133 D '63

AFRICA—RARE EARTHS
Concentration of rare earths in granite gneisses of the Archean basement in Africa. S. E. Kolotukhina. Trudy IMGRE no. 17 109-117 '63.

AFRICA—STATISTICS
Kovalev, N. G., ed. [Africa in figures, a statistical manual] Afrika v tsifrakh, statisticheskii spravochnik. Moskva, Sotsekgiz, 1963. 566 p.

AFRICA, CENTRAL—PHOSPHORUS
Probability distribution functions of phosphorous concentration in granitoids in Switzerland, Guiana, and Equatorial Africa. B. T. Vistelius. Dokl. AN SSSR 152 no. 6 1449-1452 O '63.

AFRICA, NORTH—LAND TENURE
Small and medium land tenure in Roman Africa during the first three centuries of the Roman Empire. I. F. Golovachev. Vest. drev. ist. no. 3 136-153 '63.

AFRICAN ART see Art, African

AFRICAN LITERATURE—HISTORY AND CRITICISM
New horizons of African literature (with summary in English, p. 260). I. D. Nikiforova, IU. V. Palievskaia. Nar. Az. i Afr. no. 5:135-140 '63.

AFRICAN STUDIES
Present-day study of African history and its principal objectives. I. I. Potekhin. Afr. sbor. no. 1:3-23 '63.

AFRICAN STUDIES—PERIODICALS
In defense of colonialism; a review of the periodical "Africa." S. E. Efimov. Nar. Az. i Afr. no. 5:169-174 '63.

AFRIKANDA REGION—PEROVSKITE
Perovskites in ultrabasic rocks of Afrikanda Massif and some problems of the origin of this massif. L. S. Borodin. Trudy IMGRE no. 15 20-105 '63

AGAR
Methods for determining levomycetin concentration by diffusion in agar. O. F. Osadcha. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14 126-128 '62.

AGARATS, MOUNT—PLANTS, EFFECT OF [illegible] ON
Change in the structure of chloroplasts under the influence of the temperature and radiation [illegible] Mount Agarats. A. A. Shakhov, [illegible], [illegible] Golubkova. Dokl. AN Arm. SSR 37 no. [illegible]

AGED see subdivision under Kazakhstan

AGGLOMERATION
Investigating kinetics of the reduction of ore [illegible] V. S. Al'tshuler, P. I. Kanavets, [illegible] IGI 22 50-56 '63.
Investigating processes of carbonization and [illegible] of fluxed ore-fuel granules. P. I. Kanavets, [illegible] bitskaia. Trudy IGI 22 35-48 '63
Metallurgical properties of granules prepared [illegible] method of chemical catalysis. A. M. [illegible] others. Trudy IGI 22 39-49 '63.
Method of chemical catalysis for nodulizing [illegible] materials without sintering. P. I. Kanavets [illegible] Trudy IGI 22 5-30 '63.
Ore-fuel granules represent a new efficient [illegible] in metallurgy. L. V. Semenov, V. P. [illegible] IGI 22,131-135 '63.
Thermographic investigation of fluxed ore-fuel [illegible] prepared by the method of chemical catalysis [illegible] Kanavets, V. I. Chernykh, F. I. Child[illegible] 22:31-34 '63.
Using chemical catalysis for nodulizing charge [illegible] composed of various raw materials. P. I. K[illegible] and others. Trudy IGI 22,114-125 '63

AGGLOMERATION—TESTING
Experimental blast furnace smelting with [illegible] the charge of 20-per cent of the fluxed [illegible] ules prepared by chemical catalysis. B. A. [illegible] others. Trudy IGI 22:110-113 '63.
Experimental pilot plant stand for the nodulizing [illegible] finely ground materials by the method of [illegible] catalysis. P. I. Kanavets and others. [illegible] 69 '63.
Pilot plant for the nodulizing of finely ground [illegible] mixtures by the method of chemical catalysis [illegible] Kanavets and others. Trudy IGI [illegible]
Testing granules made by the method of chemical [illegible] sis in a laboratory shaft furnace. A. M. [illegible] and others. Trudy IGI 22 70-78 '63.

AGGLUTINATION
Accelerated agglutination reaction in diagnosis [illegible] losis in cattle. S. M. Kobets. Trudy [illegible] 12;48-53 '56.

AGGREGATES
Dual extremum problems. G. Sh. Rubinshtein [illegible] SSSR 152 no. 2:288-291 S '63.
More accurate estimate of the least mean [illegible] parisons necessary for complete ordering of [illegible] set [with summary in English]. S. S. [illegible] LGU 18 no. 19,143-145 '63

AGGREGATES (BUILDING MATERIALS)
Influence of the forms of aggregates upon the [illegible] concretes and mortars. D. V. Ber[illegible], V. [illegible] tionov. Stroi. mat. 9 no. 7 15-17 Jl '63.
Possibility of producing weatherproof products [illegible] lime-pozzolan cement. K. S. Kutateladze, [illegible] vadze. Stroi. mat. 9 no. 7 27-28 Jl '63
Wastes of rock products are a powerful source [illegible] creasing the production of aggregates. A. I. [illegible] Stroi. mat. 9 no. 10.10-11 O '63.

AGING
Nagornyi, A. V., V. N. Nikitin, and I. N. Bulankin. [Problems of aging and longevity] Problemy stareniia i dolgoletiia. Pod obshchei red. V. N. Nikitina [illegible] Medgiz, 1963. 754 p.

AGRA, INDIA—PSYCHIATRIC HOSPITALS
Elimination of closed wards, experience of an Agra hospital. K. S. Dube. Zhur. nevr. i psikh. [illegible] 319 '63.

AGRICULTURAL ADMINISTRATION
(see also subdivision under Akkurgan District, Orenburg Province; Uzbekistan; Yangiaryk District)
Improve the role of economists of production [illegible] tions. Ekon. sel'khoz. 34 no. 10:1-7 O '63.
In step with life. IU. Mikhailov. Part. zhizn' [illegible] no. 2:91-92 F '63.
Legal regulation of production contracts between [illegible] state and collective farms. L. N. Bakhovkina [illegible] i pravo 33 no. 10:33-42 O '63.
There shouldn't be any backward farms! Agitator no. 18:3-6 S '63.

AGRICULTURAL ADMINISTRATION—CONGRESSES
Problem of paramount importance. V. F. Lobanov. Dokl. i soob. VNIESKH no. 10:160-170 '63.

AGRICULTURAL ADMINISTRATION—PERIODICALS

[illegible] give your word to your readers you should keep it. A. Golubitskii, Komm. Mold. 8 no. 8:72-77 Ag '63.

AGRICULTURAL CHEMICALS

Problems of chemicalization in animal husbandry. V. G. Krichevskikh. Izv. AN SSSR Ser. biol. 28 no. 5 768-774 S-O '63.

AGRICULTURAL CHEMISTRY

Chemistry and crops. S. Vol'fkovich, D. Bilenkin. Mol. Selkor. no. 10:17-54 O '63.

Chemistry in the service of agriculture. G. Lazurievskii, A. Shamshurin. Komm. Mold. 8 no. 10:12-48 O '63.

Contribution of chemistry to stockbreeding. P. Pshenychnyi. Nauka i zhyttia 12 no. 3:38-39 Mr '63.

Fertilizers for the soil. M. Angarskaia. Ogonek 41 no. 33 12-13 Ag '63.

AGRICULTURAL CONTRACTS see Contracts, Agricultural

AGRICULTURAL EDUCATION
(see also subdivision under Uzbekistan)

Improve the training of agronomists. V. F. Krasota. Zemledelie 25 no. 10:3-6 O '63.

Student training should be improved to meet the demands of the June Plenum of the Central Committee of the CPSU. P. Mots. Ekon. sel'khoz. 34 no. 9 124-126 S '63.

AGRICULTURAL ENGINEERING

Chief engineer on a state farm. V. Dodnev. Tekh. v sel'khoz. 23 no. 6:57 Je '63.

AGRICULTURAL EXPERIMENT STATIONS—MANAGEMENT

Conference on working out organizational and economic plans for model farms. A. T. Svetkova. Ekon. sel'khoz. 34 no. 10:125 O '63.

AGRICULTURAL GEOGRAPHY see subdivision under Buretiya; Racha-Lechkhumi

AGRICULTURAL LIBRARIES
(see also subdivision under Leningrad)

International Association of Agricultural Librarians and Documentalists. P. A. Oshanina. NTI no. 3 47-48 '63.

Library distinguished for its work. V. Konakh, L. Khoroshaeva. Bibliotekar' no. 10 24-25 O '63.

AGRICULTURAL MACHINERY
(see also subdivision under Ukraine)

Automatic height control of the position of the working parts of agricultural machines. N. N. Nastenko, L. A. Sorokhtei. Trakt. i sel'khozmash. 33 no. 8 26-30 Ag '63.

Establishing a complex of tillage machines and implements for areas subjected to wind erosion. A. V. Plishkin, V. V. Trufanov. Trakt. i sel'khozmash. 33 no. 7 22-24 Jl '63.

A good textbook on agricultural machines. Iu. P. Kozlov. Trakt. i sel'khozmash. 33 no. 7:46-47 Jl '63.

Increasing the service reliability and life span of welded constructions. I. P. Rubinovich, S. B. Kipnis. Trakt. i sel'khozmash. 33 no. 3:38-41 Mr '63.

The MDU-3 universal threshing and crushing machine. G. I. Kuz'menko. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 72-73 '63.

Machines for growing and harvesting sugar beets. P. Volkov. Tekh. v sel'khoz. 23 no. 6:11-14 Je '63.

Machines have come to the beet fields. A. Kisleiko. Zemledelie 25 no. 10:57 O '63.

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut mekhanizatsii sel'skogo khoziaistva. [Results of research work on increasing the working speed of tractor-driven machinery to 9-15 km per hour] Itogi nauchno-issledovatel'skikh rabot po povysheniiu rabochikh skorostei mashino-traktornykh agregatov do 9-15 km/chas. Moskva, 1963. 194 p. [MICROFILM]

The problem of the increase of the operating speed of agricultural machines in Academician V. P. Goriachkin's works. A. N. Voida. Trakt. i sel'khozmash. 33 no. 7:29-31 Jl '63.

AGRICULTURAL MACHINERY—DESIGN AND CONSTRUCTION

Reviewing G. M. Shatunovskii's book "Engineering efficiency of the design and the economic effectiveness of agricultural machines." O. E. Kotovich. Trakt. i sel'khozmash. 33 no. 8:3 of cover Ag '63.

Scientific and designing organizations on a new level. Trakt. i sel'khozmash. 33 no. 8.1-3 Ag '63.

AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR
(see also subdivision under Czechoslovakia; Ukraine; Uzbekistan)

Labor protection and safety measures at repair shops. E. Ulitskii. Tekh. v sel'khoz. 23 no. 6:58-61 Je '63.

Model preparation of agricultural machinery for sowing. Part. zhurn. [Uzh.] 6 no. 2 63-65 F '63

New welding equipment. I. Lunevskii. Tekh. v sel'khoz. 23 no. 6 73-77 Ag '63.

Running-in and repairing of machines. Iu. Nikkerov. Tekh. v sel'khoz. 23 no. 6 62-63 Je '63.

AGRICULTURAL MACHINERY—PRODUCTION STANDARDS

Provide agriculture with high-capacity machinery. N. V. Stolbushkin. Trakt. i sel'khozmash. 33 no. 8 1-5 Ag '63.

AGRICULTURAL MACHINERY—STUDY AND TEACHING

More attention to the ideological work! Tekh. v sel'khoz. 23 no. 8:1-3 Ag '63.

AGRICULTURAL MACHINERY—TESTING

Devices for the integration of variable magnitudes. G. A. Klishin. Trudy VISKHOMa no. 34 3-22 '62.

Theoretical and actual weight of agricultural machines. S. A. Akop'ian, M. G. Shtanko. Trakt. i sel'khozmash. 33 no. 7 25-26 Jl '63

AGRICULTURAL MACHINERY INDUSTRY

Improve the quality of machines, equipment, and spare parts. I. Shukhov. Tekh. v sel'khoz. 23 no. 8.1-8 Ag '63.

Work of the designing organizations of the tractor and agricultural machine manufacture. K. S. Vydrin. Trakt. i sel'khozmash. 33 no. 3:1-2 Mr '63.

AGRICULTURAL MACHINERY INDUSTRY—CONGRESSES

Coordinating conferences on the long-range plan for the design, construction and research work. V. G. Men'shov, G. A. Nikolaev. Trakt. i sel'khozmash. 33 no. 8 46-47 Ag '63.

AGRICULTURAL MACHINERY INDUSTRY—HYGIENIC ASPECTS

We are facing great tasks. N. Davidenko. Okhr. truda i sots. strakh. 6 no. 11 16-17 N '63.

AGRICULTURAL MACHINERY INDUSTRY—PRODUCTION STANDARDS

Statistical control of the production quality in the tractor and agricultural machinery manufacture. K. S. Spevakov. Trakt. i sel'khozmash. 33 no. 8.41-42 Ag '63.

AGRICULTURAL METEOROLOGY see Meteorology, Agricultural

AGRICULTURAL MICROBIOLOGY

Stimulation of plant growth by epiphytic microflora. Iu. M. Vozniakovskaia. Trudy Inst. mikrobiol. no. 11 56-62 '61.

AGRICULTURAL MICROBIOLOGY—CONGRESSES

Konferentsiia po sel'skokhoziaistvennoi i pochvennoi mikrobiologii, Tashkent, 1961. [Soil and agricultural microbiology] Pochvennaia i sel'skokhoziaistvennaia mikrobiologiia, materialy. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1963. 330 p. (DNAL)

AGRICULTURAL POLICY

Alliance between the working class and the peasantry is the decisive force in the building of socialism and communism. R. Dadabaev. Uch. zap. Tadzh. un. 23 Trudy Kaf. polit. ekon. no. 1:3-27 '59.

Cheshkhin, G. V., and V. P. Troitskii. [Agricultural regional planning and use of lands] Sel'skaia raionnaia planirovka i ispol'zovanie zemel' Moskva, Ekonomizdat, 1962. 205 p. (MH)

Following the Leninist path; on the tenth anniversary of the September Plenum of the Central Committee of the CPSU. S. Sdobnov. Vest. stat. no. 9:3-12 '63.

A great tenth anniversary. Ekon. sel'khoz. 34 no. 9:1-10 S '63.

Planning agricultural regions. O. Malakhov, V. Shamanaev. Ekon. sel'khoz. 34 no. 10:112-113 O '63.

A turning point in the development of Soviet agriculture. K. Lapkin. Komm. Uz. 35 no. 8:20-31 Ag '63.

AGRICULTURAL WAGES

Business accounting within individual production units and progressive wage forms. Ekon. sel'khoz. 34 no. 9.77-87 S '63.

Quantity plus quality. V. Gorbovskii. Sov. profsoiuzy 19 no. 20.22-23 O '63.

AGRICULTURAL WORKERS
(see also subdivision under France; Maritime Territory)

After a heroic deed. Boris Semenov. Smena 40 no. 19:24-25 O '63.

AGRICULTURAL WORKERS—EDUCATION AND TRAINING
(see also subdivision under Krasnodar Territory, Stavropol Territory; Volgograd Province)

Cultural relations between cities and villages. P. Zhilin. Polit. samoobr. 7 no. 9:87-90 S '63.

AGRICULTURE
(see also subdivision under Gulistand District, Kara-Kalpak A. S. S. R., Pamirs, Smolensk Province, Stavropol Territory, United States, Uzbekistan)

Closer to life and practice. Kommunist 40 no. 17:106-108 N '63.

Highly productive agriculture is a substantial part of the material and technological basis of communism. S. Il'in. Polit. samoobr. 7 no. 9 22-31 S '63

Land of a neighbor is not the land of a foreigner. Zemledelie 25 no. 10 84 O '63.

The road to prosperity, on the 10th anniversary of the September Plenum of the Central Committee of the CPSU. N. Zakolupin. Agitator no. 16 12-15 Ag '63.

S. A. Verigo and I. A. Razumova's book "Soil moisture and its role in agricultural production." V. A. Moiseichik. Meteor. i gidrol. no. 11 55-56 N '63.

Scientific and technological information. Visnyk sil'hosp nauky 6 no. 4 122-123 Ap '63.

State farm improves soil fertility. K. N. Bobkov, N. K. Shikula. Zemledelie 25 no. 10:11-21 O '63.

Studencheskaia nauchnaia konferentsiia po itogam raboty za 1961 god, 1962. [Abstracts of the reports of the Student Scientific Conference on Work Results for 1961] Tezisy dokladov. Gorki, Belorusskaia sel'skokhoz. akad., 1962. 65 p. [DNAL MICROFILM]

There should be no repetition in the presentation of subject matter. Kommunist 40 no. 17 108-111 N '63.

What textbooks we should publish. Kommunist 40 no. 17 111-112 N '63.

AGRICULTURE—ABSTRACTS

[Agriculture, classed index of articles in foreign periodicals] Sel'. khoz., sist. ukaz. st. v inostr. zhur. no. 8(90), '63.

AGRICULTURE—ACCIDENTS

Syzganov, A. N. [Control of agricultural traumatism, methodological instructions for rural medical personnel] Bor'ba s sel'skokhoziaistvennym travmatizmom, metodicheskie ukazaniia sel'skim meditsinskim rabotnikam. Izd. 2. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 32 p. (DNAL)

AGRICULTURE—ACCOUNTING

Procedures for converting corn cobs to grain corn. G. Makhov. Vest. stat. no. 10:61-66 '63.

AGRICULTURE—BIBLIOGRAPHY see Bibliography—Agriculture

AGRICULTURE—COSTS
(see also subdivision under Tyumen' Province)

The cost structure of mutton. N. T. Tiapkin. Dokl. i soob. VNIESKH no. 10:105-111 '63.

Let us reduce production costs! Agitator no. 18:29-30 S '63.

AGRICULTURE—ECONOMIC ASPECTS
(see also subdivision under Gissar Valley, Latin America, Ust'-Labinsk District, Vietnam, North)

Badin'ian, G. G., ed. [Economics, organization and planning of agricultural production] Ekonomika, organizatsiia i planirovanie sel'skokhoziaistvennogo proizvodstva. Moskva, Ekonomizdat, 1963. 607 p.

Bankrupcy of the bourgeois "theories" of the stability of small-scale farming. P. Ignatovskii. Komm. Ukr. 39 no. 9 35-42 S '63.

The system of economizing and its realization in agriculture. I. Buzdalov, V. Gabidullin. Polit. samoobr. 7 no. 11:35-42 N '63.

AGRICULTURE—EXPERIMENTATION
(see also subdivision under Kamchatka)

Experimental work in the Western Dvina River school. V. I. Ermolaeva. Shkola i proizv. 7 no. 10 53-54 O '63.

AGRICULTURE—FINANCE see subdivision under White Russia

AGRICULTURE—HYGIENIC ASPECTS see subdivision under Krasnodar Territory

AGRICULTURE—LABOR PRODUCTIVITY

Our work is socially useful if it is honest and efficient. G. Napreev. Komm. Bel. 37 no. 10:50-54 O '63.

AGRICULTURE—SAFETY MEASURES

Crops without losses. Pozh. delo 7 no. 7:1-2 Jl '61.

Oleksandr Mamsykov's dissertation. B. Viktorov. Ukraina no. 13:12-13 Je '61.

Orenburg firemen protect the crops. I. Karlov. Pozh. delo 7 no. 7:3-5 Jl '61.

AGRICULTURE—STATISTICS
(see also subdivision under Latvia)

Expenditure of labor for agricultural production on collective and state farms. Vest. stat. no. 10:88-94 '63.

U. S. S. R. agriculture from 1953 through 1962. Vest. stat. no. 9.79 '63.

AGRICULTURE—STUDY AND TEACHING
(see also subdivision under Bashkiria, Omsk Province, Volgograd Province)

Active assistants in research. P. V. Alliushin, N. D. Pantiukhin, IU. B. S[illegible]chin. Vest. vys. shkoly 21 no. 10 43-45 O '63

Persistence and work. G. Kostina. Shkola i[illegible] no. 5 [illegible] S-O '63

Student brigades as a school for qualified personnel. N. N. Dolenko. Shkola i proizv. 7 no. 10 86-87 O '63.

Teaching the fundamentals of agriculture in a pedagogical institute. L. I. Gentsler. Shkola i proizv. 7 no. 10 81-83 O '63

Training of a student brigade for work. A. Belousov. Shkola i proizv. 7 no. 10 84 O '63

AGRICULTURE, COOPERATIVE see subdivision under Czechoslovakia

AGRICULTURISTS

Our friend the agronomist. N. G. Zaglada. Ukraina no. 10,1 O '62.

Work creatively. L. Dubov. Zemledelie 25 no. 10,72-75 O '63.

AIR—DENSITY

Surface of the zero annual range of air density. G. S. Bushkantets. Trudy NIIAK no. 9 64-76 '63.

AIR—MICROBIOLOGY

Effect of ionization on Streptococcus viridans in the air. V. I. Bugrova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4 47-50 '60

Streptococcus viridans as microorganisms indicating the sanitary condition of the air. V. I. Bugrova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4 42-46 '60

Use of short-wave ultraviolet radiation in work rooms of the V. I. Lenin All-Union State Library. V. A. Zvereva. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4 51-52 '60.

AIR—POLLUTION

Aeration of industrial buildings. S. I. Strizhenov. Izv. ASIA no. 4 38-47 '61.

Discharge into the atmosphere of wastes from the production of synthetic fatty acids and their effect on public health. F. I. Dubrovskaia and others. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9 63-66 '61.

Experimental data concerning the normalization of the isopropylbenzene hydroxide content of air in industrial buildings. N. A. Zabezhinskaia. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9 17-19 '61.

Materials for evaluating the pollution of air by wastes in the production of phenol and acetone by the cumene method. V. P. Melekhina, M. A. Pinigin. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9 25-29 '61

Vladimirova, M. G., and L. I. Grekhova. [Harmful substances and the control of their content in the air of gold recovery plants] Vrednye veshchestva i kontrol' soderzhaniia ikh v vozdukhe zolotoizvlekatel'nykh fabrik i zavodov. Moskva, Gosgortekhizdat, 1963. 43 p.

AIR—PURIFICATION

Air purification in cyclone launders. A. M. Gervasiev. Prom. vent. no. 9 85-91 '60.

AIR, IONIZED

Effect of ionization on Streptococcus viridans in the air. V. I. Bugrova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4 47-50 '60.

Some data on the ionization component of air in kindergartens. Z. A. Pluzhnikova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 69-70 '59

AIR COMPRESSORS

Novichkov, A. N. [System of hydraulic (glandless) sealing of high-pressure compressor plungers] Sistema gidravlicheskogo (bessal'nikovogo) uplotneniia plunzherov kompressorov sverkhvysokogo davleniia. Leningrad, 1963. 31 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Mekhanicheskaia obrabotka materialov, no. 10)

AIR CONDITIONING
(see also subdivision under Great Britain)

Rots'ko, V. K. [Air conditioning] Konditsionirovanie vozdukha. Moskva, Gosstroiizdat, 1963. 75 p. (Akademiia stroitel'stva i arkhitektury SSSR. TSentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture. Opyt zarubezhnogo stroitel'stva, no. 12)

AIR-ENTRAINED CONCRETE—FINISHING

Polishing the surface of air-entrained concrete. T. A. Roizman. Stroi. mat. 9 no. 10:34 O '63.

AIR FILTERS

Modern foreign air filters. K. I. Vershinina. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 4:161-165 '63.

AIR PILOTS
(see also subdivision under Uzbekistan)

Comrade airmen. A. Mal'kov. Sov. voin 46 no. 21:34-35 N '63.

Family of the winged. A. Shilch, IA. Kuchar, Rab. i sial 39 no. 9 10-11 S '63.

AIR PREHEATERS

Using kerosene and its mixtures with motor fuel for the VPT-400 air preheater. G. A. Rovnyi. Trakt. i selkhozmash. 33 no. 7 31-32 Jl '63.

AIRGLOW
(see also subdivision under Alma-Ata region)

Airglow analysis based on brightnesses observed at two points on the solar vertical circle. N. B. Divari, L. S. Trofimova. Geomag. i aer. 3 no. 4 657-665 Jl-Ag '63.

Interaction between the scattered and reflected day airglow [with summary in English]. E. M. Feigel'son. Trudy Astrofiz. inst. AN Kazakh. SSR 3:74-82 '62.

Photoelectric self-recording photometer of day airglow and the indicatrix of scattered light in the earth's atmosphere including small angles of dispersion [with summary in English]. E. E. Pavlov. Trudy Astrofiz. inst. AN Kazakh. SSR 3:62-65 '62.

Polarization of airglow during twilight as an indicator of the intrusion of cosmic dust. G. Pitse. Trudy Astrofiz. inst. AN Kazakh. SSR 3:236 '62.

Some results of photoelectric observations of night airglow near $\lambda = 5700$ Å. V. M. Morozov. Geomag. i aer. 3 no. 5:976-970 S-O '63.

AIRLINES see subdivision under Soviet Far East

AIRLINES—TIMETABLES

Russia (1923- U. S. S. R.) Glavnoe upravlenie grazhdanskogo vozdushnogo flota. [Airline schedules of international flights from October 1, 1955, to May 14, 1956] Raspisanie dvizhenila samoletov po mezhdunarodnym vozdushnym linilam s 1 oktiabria 1955 g. po 14 maia 1956 g. Moskva, Redaktsionno-izdatel'skii otdel Aeroflota, 1955. 30 p.

Russia (1923- U. S. S. R.) Glavnoe upravlenie grazhdanskogo vozdushnogo flota. [Dispatchers' timetable for international air traffic effective from April 1, 1963 to October 31, 1963 (Moscow time)] Raspisanie (dispetcherskoe) dvizhenila samoletov na mezhdunarodnykh vozdushnykh linliakh s 1 aprelia 1963 goda po 31 oktiabria 1963 goda (Vremia moskovskoe). Moskva, Redaktsionno-izdatel'skii otdel Aeroflota, 1963. 14 p.

AIRPIPES

Studying the mutual effect of elbows and branch pipes. V. N. Litvin. Prom. vent. no. 9 135-139 '60.

AIRPLANE RACING see subdivision under Kuybyshev

AIRPLANES

From the pages of the "Zemlia i liudi" yearbook. Semlia i shkola 18 no. 11,26-28 N '63.

Open the skies to our airplanes. Tekh. mol. 31 no. 8:12-15 '63.

AIRPLANES—DESIGN AND CONSTRUCTION

Korostashevskii, R. V., and A. M. Zaitsev. [Antifriction bearings used in airplane construction] Aviatsionnye podshipniki kacheniia. Pod red. R. V. Korostashevskogo. Moskva, Oborongiz, 1963. 339 p.

AIRPLANES—ENGINES—ABSTRACTS

[Aircraft and rocket engines] Ref. zhur.: Av. i raket. dvig. no. 11 N '63.

AIRPLANES—MODELS

Pilots of tiny airplanes. V. Honcharenko. Ukraina no. 19 19 O '62.

Reductor for an airplane-model engine. E. Verbitskii. Kryl. rod. 14 no. 10:42-46 O '63.

They are sixteen years old. V. Es'kov. Kryl. rod. 14 no. 11,45-46 N '63.

Ukrainian sportsmen are the best. A. Bolonkin. Kryl. rod. 14 no. 11:42-44 N '63.

We are constructing engines ourselves. N. Savarskii. Kryl. rod. 14 no. 10:46 O '63.

AIRPLANES—PILOTING

Trust the instruments. G. Grigor'ev. Kryl. rod. 14 no. 10 25 O '63.

AIRPLANES, MILITARY

Take-off and landing in the sky. M. Arlazorov. Znan.-sila 38 no. 5:26-27 My '63.

AIRPORTS—DESIGN AND CONSTRUCTION

Babkov, V. F., ed. [Survey and design of airports] Izyskaniia i proektirovanie aerodromov. [By] A. Mogilevskii i dr. Izd. 2. Moskva, Avtotransizdat, 1963. 703 p.

AITMATOV, CHINGIZ, 1928-

Secret of originality. K. Potapova. Oktiabr' 39 no. 12:208-209 D '62.

AKAGI, MUNENORI, 1904-

Einar Henry Gerhardsen. Munenori Akagi. Nov. vrem. 21 no. 43,31 O '63.

AKKURGAN DISTRICT—AGRICULTURAL ADMINISTRATION

In the right direction. N. Alcev. Komm. Uz. 37 no. 79-77 S '63.

AKMOLINSK PROVINCE see Tselinograd Province

AKOPIAN, AKOP, 1923-

Works by Akop Akopian. Sh. Khachaturian. Iskusstvo 26 no. 8:38-39 '63.

AKTYUBINSK PROVINCE—GAS, NATURAL—GEOLOGY

Avrov, P. IA., and L. G. Kosmacheva. [Geological structure and prospects for finding oil and gas in the Ural Mountain portion of Aktyubinsk Province and the western part of the Mugodzhar Hills] Geologicheskoe stroenie i perspektivy neftegazonosnosti Aktiubinskogo Priural'ia i Zapadnogo Primugodzhar'ia. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 102 p.

AKTYUBINSK PROVINCE—PETROLEUM GEOLOGY

Avrov, P. IA., and L. G. Kosmacheva. [Geological structure and prospects for finding oil and gas in the Ural Mountain portion of Aktyubinsk Province and the western part of the Mugodzhar Hills] Geologicheskoe stroenie i perspektivy neftegazonosnosti Aktiubinskogo Priural'ia i Zapadnogo Primugodzhar'ia. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 102 p.

AKTYUZ REGION—FLOTATION

Analysis of the flotation of molybdenite at the Aktyuz ore dressing plant. T. I. Kurmanaliev. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 1,85-96 '61.

ALANI ANTIQUITIES see subdivision under Kirghiz SSR region

ALANINE CRYSTALS—MODELS

Crystalline structure of hydrochloric l-phenylalanine and determination of its model. G. V. Gurskaia, F. B. Vainshtein. Kristallografiia 8 no. 3:368-373 My Je '63.

ALATAU, KUNGEY see Kungey Alatau

ALAY VALLEY—MICROCLIMATOLOGY

Microclimate of the Alay Valley. T. A. Mamirov. Tr. Sred.-Az. nauch.-issl. gidrometeor. in-t. no. 11 [illegible] '63

ALBANIA—COASTS

Shore types and several development features of the Albanian coast. O. K. Leont'ev. Vest. Mosk. un. Ser. 5 Geog. 18 no. 5:38-44 S-O '63.

ALBEDO
(see also subdivision under Kiev; Soviet Central Asia; Ukraine)

Microclimatic variability of the radiation balance of underlying surface. N. I. Gotina. Trudy Ukr. NIGMI no. 31:82-92 '62.

ALBOMYCIN

Transformations related to the presence of a purine base in the albomycin molecule. N. A. Poddubskaia, G. I. Lavrunova. Vest. Mosk. un. Ser. 2: Khim. 18 no. 1 65-67 S-O '63

ALCOHOL

Production and discharge of liquid waste in the manufacture of synthetic alcohol. M. D. Golubeva, A. P. Smirnova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9:117-120 '61.

ALCOHOL—TOXICOLOGY

Toxicity of heptyl, nonyl, and decyl alcohols. IU. F. Egorov, L. A. Andrianov. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9:47-49 '61.

ALCOHOL IN THE BODY

Level of the alcohol content in the blood in various stages of alcoholism [with summary in English]. Sh. K. Khomolov. Trudy Gos. nauch.-issl. inst. psikh. 38,259-267 '63.

ALCOHOLATES

Reactions of aromatic nitro compounds. Part 17: Products of addition of alcoholates to dinitroanisole. S. S. Gitis, A. I. Glaz, A. IA. Kaminskii. Zhur. ob. khim. 33 no. 10,3301-3303 O '63.

ALCOHOLISM

Alcoholic polyneuritis [with summary in English]. Kh. G. Khodos. Trudy Gos. nauch.-issl. inst. psikh. 38:11-23 '63.

Alcoholism in young people [with summary in English]. IU. E. Rakhal'skii. Trudy Gos. nauch.-issl. inst. psikh. 38:57-62 '63.

Changes in the forms of alcohol consumption in the dynamics of alcoholic disease [with summary in English]. V. V. Borisevich, A. G. Gofman. Trudy Gos. nauch.-issl. inst. psikh. 38:63-76 '63.

Characteristics of the course and psychopathology of acute alcoholic hallucinosis [with summary in English]. A. S. Bobrov. Trudy Gos. nauch.-issl. inst. psikh. 38 158-166 '63.

ALCOHOLISM (Continued)

Clinical and physiological analysis of some forms of alcoholic hallucinoses [with summary in English], I. D. Muratova. Trudy Gos. nauch. -issl. inst. psikh. 38:129-135 '63.

Clinical aspects and pathogenesis of the hangover syndrome [with summary in English]. N. V. Udintseva-Popova. Trudy Gos. nauch. -issl. inst. psikh. 38:93-100 '63.

Clinical aspects of Clérambault-Kandinsky syndrome of psychic automatism in alcoholic psychoses [with summary in French]. M. G. Guliamov. Zhur. nevr. i psikh. 63 no. 2:240-243 '63.

Clinical aspects of the syndrome of acute cervical radiculitis in alcoholism [with summary in English]. A. P. Denischev. Trudy Gos. nauch. -issl. inst. psikh. 38:34-37 '63.

Clinical, social and hygienic problems of alcoholism in V. M. Bekhterev's works [with summary in English]. D. D. Fedotov, A. A. Portnov. Trudy Gos. nauch. -issl. inst. psikh. 38:427-433 '63.

Clinical variations of acute alcoholic hallucinoses [with summary in English]. A. G. Gofman. Trudy Gos. nauch. -issl. inst. psikh. 38,166-175 '63.

Data on pneumoencephalographic examination of chronic alcoholics [with summary in English]. A. P. Dumichev, L. N. Grigorovich. Trudy Gos. nauch. -issl. inst. psikh. 38:221-226 '63.

Forms and variations of acute alcoholic intoxication [with summary in English]. E. S. Feldman. Trudy Gos. nauch. -issl. inst. psikh. 38,39-48 '63.

History of the study of clinical aspects of chronic alcoholism [with summary in English]. V. A. Gaikin. Trudy Gos. nauch. -issl. inst. psikh. 38:442-448 '63.

Problems of diagnosis and expertises on alcoholic intoxication in the U. S. S. R. and foreign countries [with summary in English]. A. M. Rapoport. Trudy Gos. nauch. -issl. inst. psikh. 38;300-309 '63.

Pupillary component of the orientation reflex in chronic alcoholism [with summary in English]. V. A. Smirnov, A. R. Shakhnovich. Trudy Gos. nauch. -issl. inst. psikh. 38:156-202 '63.

Some disorders of higher nervous activity in chronic alcoholism [with summary in English]. N. P. Baskina. Trudy Gos. nauch. -issl. inst. psikh. 38:230-234 '63.

Some neurodynamic and biochemical changes in chronic alcoholics under the influence of small doses of alcohol [with summary in English]. V. P. Rozhnov, Z. G. Turova, L. F. Gal'perina. Trudy Gos. nauch. -issl. inst. psikh. 38,203-210 '63.

Some variations of acute paranoid diseases developing in alcoholics during travel [with summary in English]. A. S. Hobiov. Trudy Gos. nauch. -issl. inst. psikh. 38:116-166 '63.

ALCOHOLISM—PREVENTION
(see also subdivision under Moscow; Ryazan Province)

Methodology of antialcoholism propaganda [with summary in English]. L. V. Orlovskii. Trudy Gos. nauch. -issl. inst. psikh. 38:418-423 '63.

Results of active prevention of alcoholism [with summary in English]. V. Z. Timoshenko. Trudy Gos. nauch. -issl. inst. psikh. 38 415-417 '63.

S. S. Korsakov and the combat of alcoholism [with summary in English]. L. L. Rokhlin. Trudy Gos. nauch. -issl. inst. psikh. 38:434-441 '63.

ALCOHOLISM—TREATMENT

Alcoholism and the organization of treatment of alcoholic diseases in the light of data from psychoneurological institutions of the R. S. F. S. R. [with summary in English]. V. M. Banshchikov. Trudy Gos. nauch. -issl. inst. psikh. 38 371-376 '63.

Causes of relapses in alcoholism [with summary in English]. IA. K. Averbakh. Trudy Gos. nauch. -issl. inst. psikh. 38,113-121 '63.

Characteristics of remissions in chronic alcoholism following a course of antabuse treatment [with summary in English]. V. S. Andreeva. Trudy Gos. nauch. -issl. inst. psikh. 38:355-359 '63.

Clinical characteristics of the alcohol abstinence syndrome [with summary in English]. S. G. Svininnikov. Trudy Gos. nauch. -issl. inst. psikh. 38:77-82 '63.

Complications in antabuse treatment [with summary in English]. B. V. Sokolova. Trudy Gos. nauch. -issl. inst. psikh. 38:344-354 '63.

Compulsory treatment of chronic alcoholics [with summary in English]. M. I. Rybal'skii. Trudy Gos. nauch. -issl. inst. psikh. 38:400-408 '63.

Data on the problem of alcoholic relapses [with summary in English]. S. S. Libikh. Trudy Gos. nauch. -issl. inst. psikh. 38 107-112 '63.

Differentiation of outpatient treatment in alcoholism [with summary in English]. G. V. Zenevich. Trudy Gos. nauch. -issl. inst. psikh. 38;295-301 '63.

Effect of relapses in alcoholism on the vascular system following antabuse therapy [with summary in English]. G. M. Entin. Trudy Gos. nauch. -issl. inst. psikh. 38,122-129 '63.

Experimental and clinical data on the testing of clamide (calcium carbamide citrate), a new preparation for the treatment of alcoholism [with summary in English]. B. M. Segal, IA. K. Averbakh. Trudy Gos. nauch. -issl. inst. psikh. 38-289-294 '63.

Increasing the apomorphine effect with zinc or copper sulfates in the treatment of chronic alcoholism [with summary in French]. A. V. Zavialov. Zhur. nevr. i psikh. 63 no. 2;284-287 '63.

Methodology of supporting antabuse treatment under the conditions of a psychoneurological dispensary [with summary in English]. V. V. Borisevich, A. G. Gofman, N. G. Shumakin. Trudy Gos. nauch. -issl. inst. psikh. 38 306-317 '63.

Nervous mechanisms of the therapeutic effect of temposil (calcium carbamide citrate) in chronic alcoholism [with summary in English]. I. V. Strel'chuk. Trudy Gos. nauch. -issl. inst. psikh. 38 282-288 '63.

Organization and effectiveness of the treatment of chronic alcoholics under conditions of a somatic hospital [with summary in English]. N. M. Shishov. Trudy Gos. nauch. -issl. inst. psikh. 38 409-414 '63.

Organizing the treatment of chronic alcoholism under conditions of a specialized hospital ward [with summary in English]. IA. G. Gal'perin. Trudy Gos. nauch. -issl. inst. psikh. 38:326-330 '63.

Principal problems in the treatment of chronic alcoholism [with summary in English]. I. I. Lukomskii. Trudy Gos. nauch. -issl. inst. psikh. 38 271-281 '63.

Psychotherapeutic component in the treatment of acute alcoholic hallucinosis [with summary in English]. N. P. Kalinina. Trudy Gos. nauch. -issl. inst. psikh. 38:338-343 '63.

Repeated abstinence (symptoms) in the clinical aspects of alcoholism [with summary in English]. IA. K. Averbakh. Trudy Gos. nauch. -issl. inst. psikh. 38,101-106 '63.

Results of active outpatient service for alcoholics in the collective of an industrial plant [with summary in English]. M. V. Zhuravleva, I. V. Pavlova, S. G. Svininnikov. Trudy Gos. nauch. -issl. inst. psikh. 38;302-305 '63.

Results of using aminazine in alcoholic abstinence [symptom] and its effect on thermoregulating reactions [with summary in English]. A. I. Kuznetsov. Trudy Gos. nauch. -issl. inst. psikh. 38,360-367 '63.

Role of preparations of the thiol series (unithiol, dicaptol) in the treatment of alcoholism [with summary in English]. S. G. Svininnikov. Trudy Gos. nauch. -issl. inst. psikh. 38 331-337 '63.

Treatment of chronic alcoholism. E. S. Stankevich. Kaz. med. zhur. no. 1,64-67 Ja-F '61.

Treatment of chronic alcoholism and prevention of relapses under dispensary conditions [with summary in English]. M. Sh. Volf. Trudy Gos. nauch. -issl. inst. psikh. 38,316-325 '63.

ALCOHOLS

Changes occurring in glucose under the action of aliphatic alcohols. A. G. Zabrodskii, V. A. Vitkovskaia. Trudy UkrNIISP no. 5;175-187 '59.

Effect of the molecular weight of alcohol on the process of its amination. IU. B. Kagan and others. Neftekhimiia 1 no. 4;555-563 Jl-Ag '61.

Equilibrium distribution of components in the systems H_3PO_4 - HCl - $CaCl_2$ - H_2O - isoamyl alcohol and H_3PO_4 - HCl - $CaCl_2$ - H_2O - n-butyl alcohol. I. IA. Sabaev, I. N. Shokin, S. A. Krasheninnikov. Zhur. prikl. khim. 36 no. 8 1702-1710 Ag '63.

Interaction of acid sulfate ester of β-hydroxypropionamide with alcohols. E. N. Zil'berman, A. A. Michurin. Zhur. ob. khim. 33 no. 8 2766-2771 Ag '63.

Method for analyzing products obtained by the interaction of aliphatic alcohols with ammonia in the presence of hydrogen. G. A. Klinger and others. Neftekhimiia 1 no. 3;397-402 My-Je '61.

Oxidation of alcohols with palladium salts in aqueous solutions. A. V. Nikiforova, I. I. Moiseev, IA. K. Syrkin. Zhur. ob. khim. 33 no. 10,3239-3242 O '63.

Reaction between octyl alcohols and ammonia under the hydrogen pressure on a fused iron catalyst. IU. B. Kagan and others. Neftekhimiia 1 no. 3;403-410 My-Je '61.

Separation of alcohols by gas-liquid chromatography. V. V. A. Sokolov, L. P. Kolesnikova. Neftekhimiia 1 no. 4; 564-566 Jl-Ag '61.

ALCOHOLS—PHYSIOLOGICAL EFFECT

Effect of the amino alcohols of diethanolamine, choline and dimethylethanolamine on the secretion and chemistry of bile. A. A. Mnatsakanian. Izv. AN Arm. SSR, Biol. nauki 16 no. 7;35-40 Jl '63.

ALCOHOLYSIS

Effect of some factors on the composition of the products of oil alcoholysis. G. L. IUkhnovskii, V. M. Volosiuk. Lakokras. mat. i ikh prim. no. 4;16-20 '62.

ALEKSANDROV, MIKHAIL STEPANOVICH, 1803-1933

Historian, journalist, and the associate of V. I. Lenin; on the centenary of M. S. Ol'minskii's birth. IU. N. Amiantov, K. A. Ostroukhova. Vop. ist. KPSS 7 no. 10;94-99 O '63.

Literary-criticism activities of M. S. Ol'minskii. P. G. Smirnov. Vest. Mosk. un. Ser. 7: Filol., zhur. 18 no. 5;33-38 S-O '63.

A staunch Bolshevik. IU. Amiantov. Mol. komm. no. 10: 105-106 O '63.

ALEKSII, Patriarch of Russia, 1877-

Celebrations of the 50th anniversary of the episcopacy of His Holiness Patriarch Alekseii in parishes abroad (in Damascus and Belgrad). Bishop Leontii, V. Tarasiev. Zhur. Mosk. Patr. no. 8,11-12 Ag '63.

Greetings received by His Holiness Patriarch Alekseii on the occasion of the 50th anniversary of his episcopacy. Zhur. Mosk. Patr. no. 8 6-9 Ag '63.

Solemn celebration of the 50th anniversary of the episcopacy of His Holiness Patriarch Alekseii. Zhur. Mosk. Patr. no. 8 3-6 Ag '63.

ALEXANDER NEVSKI, Saint, 1219-1263

Military calendar. Voen. znan. 39 no. 10;40 O '63.

Saint Orthodox Grand Duke Alexander Nevski. V. Nekrasov. Zhur. Mosk. Patr. no. 8;56-62 Ag '63.

ALFALFA
(see also subdivision under Azerbaijan)

Effect of various factors on the yield and hardiness of alfalfa. V. V. Oglezneva. Vest. Mosk. un. Ser. 6 Biol., pochv. 18 no. 6 68-73 N-D '63.

ALFALFA—IRRIGATION see subdivision under Omsk Province

ALGACHI REGION—ORE DEPOSITS

Algachi ore zone. V. V. Aristov, E. A. Stankeev. Trudy IGEM no. 83;65-93 '63.

ALGAE
(see also subdivision under Novosibirsk Reservoir; Ob' River)

Development of conceptacles in Ascoseira mirabilis Skottsb. and the origin of fucuses (Cyclosporeae) [with summary in English]. IU. E. Petrov. Bot. zhur. 48 no. 9 1298-1309 S '63.

Participation of soil algae in the nutrition of plants. E. A. Shtina. Trudy Inst. mikrobiol. no. 11;130-138 '61.

Use of copper sulfate for controlling filamentous algae and water bloom in fishponds. H. I. Shpet, Z. O. Makina, N. M. Khaytonova. Nauk. pratsi Ukr. nauk. -dosl. inst. ryb. hosp. 14 12-17 '62.

ALGAE, FOSSIL

Germination of the oospore in fossil charophytes and a new form genus. V. P. Maslov. Dokl. AN SSSR 152 no. 2;443-445 S '63.

ALGEBRA—STUDY AND TEACHING

Solution of logical equations. I. IA. Depman. Mat. v shkole no. 5;65-71, 81 S-O '63.

Terminology and concepts of elementary algebra. N. N. Litvinov and others. Mat. v shkole no. 5 59-65 S-O '63.

ALGEBRA, UNIVERSAL

Left ideals of a semigroup of endomorphisms of free universal algebra. I. I. Valutse. Mat. sbor. 62 no. 3: 371-384 N '63.

ALGEBRAIC TOPOLOGY

Constructive mappings of polyhedra. V. P. Orevkov. Dokl. AN SSSR 152 no. 2;278-281 S '63

Deformation of complex structures of algebraic manifolds. G. N. Tiurina. Dokl. AN SSSR 152 no. 6;1316-1319 O '63.

Theory of uniform convex cones. E. B. Vinberg. Trudy Mosk. mat. ob-va 12:303-358 '63.

ALGEBRAS, LINEAR

Textbook on the linear algebra and programming course. A. A. Glagolev and others. Vest. vys. shkoly 21 no. 10, 91-93 O '63.

ALGERIA—ECONOMIC CONDITIONS

"Main thing is that we have started." Eva Priester. Ogonek 41 no. 39;26-27 S '63.

ALGERIA—FOREIGN RELATIONS—MOROCCO

The hand of the monopolies. V. Baburov. Mezhdunar. zhizn' 10 no. 12;110-111 D '63.

ALGERIA—POLITICS AND GOVERNMENT

National self-determination of Algeria. IA. Pliasun. Rad. pravo no. 4;108-115 Jl-Ag '63.

Role of the Algerian Revolution. N. Chibisov. Nov. vrem. 21 no. 44;5-6 N '63.

ALGORITHMS

Certain properties of arithmetic operations on duplexes. A. O. Slisenko. Dokl. AN SSSR 152 no. 2;292-295 S '63.

Feasibility of a single universal group operation in the case of small-size digital computers. A. Sh. Chaduneli. Mat. mod. i elek. tsepi no. 1;147-159 '63.

Normalizability of graphical and schematic algorithms. N. P. Ter-Zakharian. Trudy Vych. tsentra no. 1;30-39 '63.

ALIMARIN, IVAN PAVLOVICH, 1903-

Ivan Pavlovich Alimarin, on his sixtieth birthday. Vest. Mosk. un. Ser. 2, Khim. 18 no. 5,70-72 S-O '63.

ALIMENTARY CANAL—CANCER

Roentgenological characteristics of bypass anastomoses in nonremovable cancers of the esophagus and the cardial section of the stomach. [U F Belyaev, R R Golovenko, et al.] Zdrav. Belorussii no. 9:40-44 S '63.

ALIMENTARY CANAL—DISEASES

Myoderm tissue in hypothesis [with summary in English] M. G. Murzova. Vest. derm. i ven. 36 no. 10:35-38 O '62.

Clinical picture of gastroduodenal diseases of small children. G. A. Shchetinin, A. S. Rozenfeld. Pediatriia 42 no. 6:57-61 N '63.

ALIMENTARY CANAL—RADIOGRAPHY

Roentgenological characteristics of bypass anastomoses in nonremovable cancers of the esophagus and the cardial section of the stomach. [U. F. Belyaev, R. R. Golovenko, et al.] Zdrav. Belorussii no. 6:40-44 My-Je '63.

ALIMENTARY CANAL—SECRETIONS

Effect of digestive juices on pathogens. L. P. Sosina [with summary in English]. Trudy Tom. MIUV 12:73-78 '60.

ALIMENTARY CANAL—SURGERY

Roentgenological characteristics of bypass anastomoses in nonremovable cancers of the esophagus and the cardial section of the stomach. [U. F. Belyaev, R. R. Golovenko, et al.] Zdrav. Belorussii no. 6:40-44 My-Je '63.

ALIPHATIC COMPOUNDS

Some problems of hydrogen arising in the production of synthetic fatty acids and higher aliphatic alcohols. [U. I. Egorov, A. A. Efanov, et al.] Uch. zap. Mosk. nauch.-issl. inst. sanit. i gig. no. 9:34-39 '61.

ALKALI LANDS see Saline and alkali soils

ALKALI METAL CHLORIDES

Thermographic analysis of the system RbCl - NdOCl$_3$ and CsCl - NdOCl$_3$ [with summary in English]. S. A. Shchukarev, F. A. Smirnova, I. V. Vasil'kova. Vest. LGU 18 no. 16:132-133 '63.

ALKALI METAL NITRATES

Interaction in the ternary systems of urea and ammonium nitrate with sodium and potassium nitrates. B. Nogoev, A. G. Bergman. Zhur. prikl. khim. 36 no. 8:1680-1686 Ag '63.

Interaction of urea with sodium and potassium nitrates. A. G. Bergman, B. Nogoev. Zhur. prikl. khim. 36 no. 8:1864-1867 Ag '63.

ALKALI METALS

Effect of alkalies and alkaline earth metals on the background in the 3500 - 4200 Å spectrum region [with summary in English]. N. I. Tarasevich, A. D. Khlystova. Zhur. anal. khim. 18 no. 9:1042-1045 S '63.

Effect of the stabilization of the structure on the coordination numbers of alkali metal cations in aqueous solutions. M. N. Buslaeva, O. Ia. Samoilov. Zhur. strukt. khim. 4 no. 5:682-686 S-O '63.

ALKALI METALS—BIBLIOGRAPHY see Bibliography—Alkali metals

ALKALIES
(see also subdivision under Tien Shan, Uzbekistan)

Effect of alkalies on the mineral-forming process and hydration of calcium silicates. V. F. Chernykh and others. Tsement 29 no. 5:7-9 S-O '63.

Effect of the alkalinity of oils with additives on engine wear. E. N. Fursanova, S. G. Arabian, M. M. Ozhogina. Khim. i tekh. topl. i masel 8 no. 9:59-64 S '63.

ALKALINE EARTH METALS

Effect of alkaline and alkaline earth metals on the background in the 3500 - 4200 Å spectrum region [with summary in English]. N. I. Tarasevich, A. D. Khlystova. Zhur. anal. khim. 18 no. 9:1042-1045 S '63.

ALKALOIDS

Change in the composition and content of alkaloids in the blue lupine(Lupinus angustifolius) during its growth and development. A. V. Mironenko, G. I. Spiridonova, T. A. Mozhar. Dokl. AN BSSR 7 no. 4:262-265 Ap '63.

Distinctive reactions of a series of alkaloids of the opium group. R. I. Petrova. Sbor. nauch. trud. TSANII 3:125-128 '62.

ALKANES see Paraffins

ALKENES see Olefins

ALKYD RESINS

Colloid chemical mechanism underlying the bending of alkyd and polyamide resins in a solvent to produce a thixotropic alkyd gel. A. A. Trapeznikov, E. P. Shchipanova. Dokl. AN SSSR 152 no. 6:1408-1411 O '63.

Studying the photochemical destruction of the films of alkyd and alkyd-melamine resins with the method of infrared spectroscopy. S. V. Iakubovich and others. Lakokras. mat. i ikh prim. no. 5:21-23 '63.

Synthesis of alkyd resins modified by monobasic acids. V. N. Loginov, F. L. Koposova. Lakokras. mat. i ikh prim. no. 5:5-8 '63.

Synthesis of alkyd resins with the method of ale ester-interchange. G. L. Ushakova, V. M. Volosina. Lakokras. mat. i ikh prim. no. 5:18-21 '63.

ALKYL CHLORIDES

Rate of reaction between ethyllithium and alkyl chlorides as a function of C - Cl bond energy. F. S. Dyachkovskii, A. E. Shilov, L. I. Elberman. Kin. i kat. 4 no. 4:644-647 Jl-Ag '63.

ALKYL HALIDES

Interaction of organomagnesium compounds with allyl halides in a dimethoxyethane solution. L. I. Zakharkin, I. V. Bilevich, O. Iu. Okhlobystin. Dokl. AN SSSR 152 no. 2:438-441 S '63.

ALKYLATION

Alkylation of benzene with 4-cyclohexylcyclohexanol in the presence of AlCl$_3$. A. D. Petrov and others. Neftekhimiia 1 no. 3:362-369 My-Je '61.

Alkylation of tetrocaine. V. M. Nesmeianov, V. V. Sazonova, V. I. Romanenko. Dokl. AN SSSR 152 no. 6:1358-1359 O '63.

Alkylation of phenol by a butane-butylene fraction in a flow in the presence of the KU-2 cation exchanger. P. S. Pelov, V. I. Isagulyants. Khim. i tekh. topl. i masel 8 no. 5:28-31 S '63.

Chemistry of selenophene. Part 17. Synthesis and alkylation of β-diketones of the selenophene series. Yu. I. Usatov, M. N. Magdesieva, V. P. Blysova. Zhur. ob. khim. 33 no. 8:2578-2581 Ag '63.

Reactivation of bis- and tris (β-cyanoethyl) phosphines. E. V. Kuznetsov, T. V. Sorokina, R. K. Valetdinov. Zhur. ob. khim. 33 no. 8:2631-2634 Ag '63.

ALLANITE
(see also subdivision under Yakutia)

Formation and disintegration of orthite in metamorphic rocks. L. P. Serdiuchenko. Trudy IMGRE no. 17:3-14 '63.

ALLENE

Quantitative determination of allene in the propine-propylene fraction by infrared spectrometry. V. M. Mamedova, A. N. Shnulin, A. F. Postiankin. Neftekhimiia 3 no. 4:620-621 Jl-Ag '63.

ALLERGY

Data on allergic diagnosis of tick-borne encephalitis [with summary in English]. A. A. Stukevich, V. F. Terent'ev. Trudy TomNIIVS 12:47-52 '60.

Role of the nervous system in the allergic reaction in chickens with tuberculosis. N. B. Ovanesova. Trudy Mosk. vet. akad. 12:138-148 '56.

ALLOYS

Shchukov, A. A. [New alloys for cast permanent magnets] Novye splavy dlia litykh postoiannykh magnitov. Leningrad, 1963. 17 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Metallovedenie i termicheskaia obrabotka, no. 3)

ALLOYS—FATIGUE

Fatigue test of a hard alloy. L. G. Kuklin. Izv. vys. ucheb. zav., mashinostr. no. 7:66-71 '63.

ALLOYS—HARDENING

Softening and the recovery of properties of a KhN80T-type alloy. D. IA. Kagan, I. L. Grinzaid, V. V. Borin. Fiz. met. i metalloved. 12 no. 6:908-911 D '61.

ALLOYS—METALLOGRAPHY

Effect of temperature on the width of intergranular streaks of liquid phase *during the nonequilibrium* crystallization of solid solutions. I. I. Novikov, V. S. Zolotorevskii, E. M. Kenina. Izv. AN SSSR. Met. i gor. delo no. 5:121-125 S-O '63.

Effect of thermal vibrations in solid solutions on the intensity of regular reflections of X rays and neutrons and the intensity of Mossbauer's lines. M. A. Krivoglaz, E. A. Tikhonova. Fiz. met. i metalloved. 12 no. 6:801-813 D '61.

ALLOYS—TESTING

Unit for determining the solubility of nitrogen in liquid alloys. A. IA. Stomakhin, A. IU. Poltakov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11:10-11 '63.

ALLYL COMPOUNDS

Reactions of sodium diethyl thiophosphite with haloallyl compounds. A. N. Pudovik, R. I. Tarasova, R. A. Bulgakova. Zhur. ob. khim. 33 no. 8:2560-2563 Ag '63.

ALMA-ATA—MACHINERY INDUSTRY

The title has been awarded, what next? M. Suleimanov. Nar. khoz. Kazakh. 21 no. 8:54-57 Ag '63.

ALMA-ATA—REFRIGERATION AND REFRIGERATING *MACHINERY—RESEARCH*

Seminar of the Refrigeration Section of the Scientific and *Technical Society of the Food Industry* in Alma-Ata. Khol. tekh. 40 no. 5:60-61 S-O '63.

ALMA-ATA—TROLLEY BUSES

Offended passengers and homeless trolleys. [ ] Elektr. i transp. 11 no. 12:27-28 D '61.

ALMA-ATA PROVINCE—AERONAUTICS IN AGRICULTURE

Use of the MI-1 helicopter in controlling pests in orchards of the Alma-Ata fruit zone. M. P. [ ] Trudy Kaz. NIIZR 4:109-122 '62.

ALMA-ATA PROVINCE—APPLE—DISEASES AND PESTS

Use of the MI-1 helicopter in controlling pests in orchards of the Alma-Ata fruit zone. M. P. [ ] Trudy Kaz. NIIZR 4:109-122 '62.

ALMA-ATA PROVINCE—INTELLECTUALS

Education of a creative intelligentsia. I. [ ] Vest. Politekh., samoobr. 7 no. 7:105-108 Jl '64.

ALMA-ATA PROVINCE—WHEAT—DISEASES AND PESTS

Materials on the nematode fauna of some [ ] Alma-Ata Province. Z. V. Bathaeva. Vest. [ ] 18 no. 1:79-84 Ap '62.

ALMA-ATA REGION—AIR GLOW

Distribution of the brightness of twilight sky [ ] vertical [with summary in English]. [ ] Trudy Astrofiz. inst. AN Kazakh. SSR [ ]

ALMA-ATA REGION—ATMOSPHERIC TRANSPARENCY

Night spectral transparency in the region of the [ ] physical Institute of the Academy of Sciences of the Kazakh S. R. [with summary in English]. [ ] Titonov. Trudy Astrofiz. inst. AN Kazakh. SSR [ ] 1:7 '62.

Study of the astroclimate of the Alma-Ata region [ ] summary in English]. K. G. D'iakonova and [ ] Trudy Astrofiz. inst. AN Kazakh. SSR [ ]

ALMALYK—CONSTRUCTION WORKERS

It's a great pleasure to be a builder. N. Gazali [ ] Zhizn' [Uzb.], 6 no. 9:31-33 S '64.

AL'MET'YEVSK—PETROLEUM INDUSTRY—ACCIDENTS

Injuries among workers of the petroleum industry [ ] Al'met'yevsk. V. S. Murtagov. Kaz. med. zhur. [ ] 85-87 Ja-F '61.

ALOE—PHYSIOLOGICAL EFFECT

Enzymatic activity of the intestinal juice of dogs [ ] enteral administration of aloe extract. L. F. [ ] V. P. Soloveva. Uch. zap. UIMGI 5:250-255 [ ]

ALOE—THERAPEUTIC USE

Stability of the therapeutic effect in the treatment [ ] diseases with aloe extract electrophoretically [ ] late observations). L. E. Cherkezhi. Uch. zap. [ ] 5:209-215 '62.

ALPHA RAYS

Emission of long-range α-particles C^{14}, Ne^{20} to Mg^{28}, Pb^{239} and Po^{210} *nuclei*. V. N. Andreev, [ ] M. [ ] Izv. AN SSSR, Ser. fiz. 27 no. 10:1250-1 [ ]

ALPHA RAYS—DECAY

Alpha-decay mechanism and reduced level widths of Po210 and Po212 nuclei. K. B. Baktybaev, G. M. [ ] Izv. AN SSSR, Ser. fiz. 27 no. 10:1297-1301 [ ]

ALPHA RAYS—SPECTRA

Multilayer ionization chamber for spectrometric [ ] ing of rare events involving long-range α-particle [ ] emission. V. N. Andreev, S. M. Skuratkin, [ ] Ser. fiz. 27 no. 10:1253-1257 O '63.

ALTAI MOUNTAIN REGION—GEOLOGY, STRUCTURAL

Intermontane depressions in the Altai-Sayan fold [ ] and adjacent geosynclinal troughs. E. N. Ianov. Trudy VSEGEI 85:119-130 '63.

ALTAI MOUNTAINS—FLYSCH

Tectofacies of flyschoids and their genesis in the [ ] western Altai. N. L. Bubilchenko, M. N. Ivan[ ] Dokl. AN SSSR 152 no. 4:931-933 O '63.

ALTAI MOUNTAINS—FOREST MANAGEMENT

Possibilities of economic use of Siberian pine forests in the gornyy Altai. G. N. Lavrovskii, V. N. [ ] Les. prom. 40 no. 6:28-30 Je '62.

ALTAI MOUNTAINS—PINE

Possibilities of economic use of Siberian pine forests in the gornyy Altai. G. N. Lavrovskii, A. N. Pr[ ] Les. prom. 40 no. 6:28-30 Je '62.

ALTAI TERRITORY—ART—EXHIBITIONS

Here in the midst of life. O. Komov. Iskusstvo [ ] no. 8:27-30 '63.

ALTAI TERRITORY—TULAREMIA

Importance of the water factor in the distribution of tularemia in Altai Territory [with summary in English]. N. A. Zykina. Trudy TomNIIVS 12:48-52 '60.

ALTAI TERRITORY—WATER VOLES AS CARRIERS OF DISEASE

Importance of the water factor in the distribution of tularemia in Altai Territory [with summary in English] L. A. Zykina. Trudy TomNIIVS 12 18-52 '60

ALTARS see subdivision under Trebon, Czechoslovakia

ALUMINOTHERMY

Microcalorimetric reduction of lanthanum, cerium and praseodymium oxides. V. I. Podergin, G. V. Samsonov, Izv. AN SSSR Met. i gor. delo no. 5 50-57 S-O '63.

Reduction of cast iron outside blast furnaces by the reduction of magnesium oxide by aluminum. M. A. Glinkov and others. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:28-32 '63.

ALUMINUM—ANALYSIS

Flame-absorption microcolorimethod for determining aluminum in pure metals and alloys [with summary in English]. G. I. Nikolaev, V. B. Vlasovskikh. Zhur. anal. khim. 18 no. 7 816-821 Jl '63.

ALUMINUM—CORROSION

Effect of neutron radiation on the corrosion behavior of aluminum in water. A. V. Bialobzheskii. Dokl. AN SSSR 152 no. 4:898-900 O '63.

ALUMINUM—ELECTRIC PROPERTIES

Effect of excess vacancies and dislocation loops on the Hall field in aluminum at 20° K. G. A. Zaitsev, V. I. Khotkevich. Fiz. met. i metalloved. 12 no. 6 917-919 D '61.

ALUMINUM—ELECTROMETALLURGY

Equipment for the automatic control of the operating conditions of an aluminum electrolytic cell. IU. I. Georgievskii. Met. i gornorud. prom. no. 5 37-41 S-O '63.

ALUMINUM—INCLUSIONS

Quality of primary aluminum. M. B. Gokhshtein. Alium. splavy no. 1 73-79 '63.

ALUMINUM, STRUCTURAL

Steel and aluminum in construction. Biul. stroi. tekh. 20 no. 8 46 Ag '63.

ALUMINUM ALLOYS

Popel', S. A. [Structural elements of aluminum alloys] Stroitel'nye konstruktsii iz alliuminievykh splavov. Moskva, Izd-vo "Vysshaia shkola," 1963. 226 p.

Use of aluminum alloys in the construction of freight cars. V. F. Gamirov and others. Zhel. dor. transp. 45 no. 10 47 O '63.

ALUMINUM ALLOYS—BRITTLENESS

Position of the hot shortness maximum in eutectic-type binary systems. I. I. Novikov, V. S. Zolotarevskii, V. K. Portnoi. Alium. splavy no. 1 114-121 '63.

ALUMINUM ALLOYS—HEAT TREATMENT

Increasing the dimensional stability of Al9 alloy castings by heat treatment. N. A. Loktionova. Alium. splavy no. 1:60-81 '63.

Searching for optima heat treating conditions of Al19 alloy castings. N. A. Loktionova, N. M. Rastvorova, O. P. Breslavtseva. Alium. splavy no. 1 99-113 '63.

ALUMINUM ALLOYS—INCLUSIONS

Effect of metal inclusions on the properties of aluminum foundry alloys. N. P. Stromskaia and others. Alium. splavy no. 1 55-72 '63.

ALUMINUM ALLOYS—METALLURGY

Degassing aluminum alloys by hexachloroethane. M. V. Sharov, O. I. Nikishaeva. Alium. splavy no. 1:129-138 '63.

Effect of cerium and zirconium on the properties and structure of the Al19. I. F. Kolobnev, L. V. Shvyreva. Alium. splavy no. 1:92-98 '63.

Industrial application of ultrasonic waves for the degassing of aluminum alloys. G. I. Eskin, V. I. Slotin. Alium. splavy no. 1 139-149 '63.

ALUMINUM ALLOYS—WELDING

Electric and technological characteristics of a three-phase welding arc in argon-arc welding of aluminum alloys. I. IA. Rabinovich, I. V. Vavulo. Svar. proizv. no. 10:7-10 O '63.

ALUMINUM-COPPER ALLOYS—HARDENING

Intercrystallite internal adsorption in Cu-Al solid solutions during hardening from high temperatures. V. E. Panin and others. Fiz. met. i metalloved. 12 no. 6: 927-928 D '61.

ALUMINUM-COPPER ALLOYS—METALLOGRAPHY

Electron microscopy of alloys in the system Al - Cu, Al - Cu - Mn, Al - Cu - Mn - Ni. N. A. Aristova and others. Alium. splavy no. 1:50-54 '63.

ALUMINUM FOUNDING

Casting aluminum alloys in permanent molds using shell-molded cores. B. A. Arbuzov, A. M. Gorbunov. Alium. splavy no. 1:160-176 '63.

Cleaning aluminum and magnesium alloy castings with aluminum sand. A. I. Vasiliskova, M. M. Devkin. Alium. splavy no. 1 220-225 '63.

Effect of technological factors on the quality of aluminum castings. A. M. Gorbunov. Alium. splavy no. 1 220-233 '63.

Foamed aluminum castings. M. B. Al'tman and others. Alium. splavy no. 1 11-49 '63.

Increasing the dimensional stability of Al9 alloy castings by heat treatment. N. A. Loktionova. Alium. splavy no. 1 60-81 '63.

MVTU-1 aluminum foundry alloy. V. I. Sulaeva. Alium. splavy no. 1 11-21 '63.

Making aluminum alloy parts with intricate internal channels. IU. F. Ovchinnikov, D. F. Soiter, O. P. Chikhachev. Alium. splavy no. 1 195-201 '63.

Mastering the production of large Al8 alloy castings. A. M. Petrunin, N. A. Loktionova. Alium. splavy no. 1 150-159 '63.

Mechanical and casting properties of alloys in the system Al - Si - Cu. M. V. Zakharov, I. I. Novikov, L. I. Rytvin. Alium. splavy no. 1:22-32 '63.

Metal mold casting of AL19 alloys. L. V. Kovalenko, G. B. Stroganov, A. T. Fomin. Alium. splavy no. 1 177-181 '63.

Searching for optima heat treating conditions of Al19 alloy castings. N. A. Loktionova, N. M. Rastvorova, O. P. Breslavtseva. Alium. splavy no. 1 99-113 '63.

ALUMINUM INGOTS

Parameters of the consecutive crystallization of castings. L. D. Zakharov. Alium. splavy no. 1 122-128 '63.

Reducing residual stresses in aluminum alloy ingots. N. A. Loktionova and others. Metalloved. i term. obr. met. no. 11:46-47 N '63.

ALUMINUM-IRON ALLOYS

Viscosity of diluted aluminum-base metallic solutions. L. A. Kolodov, A. P. Liubimov. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:136-141 '63.

ALUMINUM-NICKEL-COBALT ALLOYS—MAGNETIC PROPERTIES

Effectiveness of a magnetic field in the thermomagnetic treatment of Alnico-type alloys. G. G. Povolotskii, IA. M. Dovgalevskii, V. K. Baitina. Metalloved. i term. obr. met. no. 11:10-14 N '63.

ALUMINUM OXIDE

Effect of initial porosity on the nature of change in pore structure of aluminosilica gels and silica gels during their sintering. A. V. Kiselev, IU. S. Nikitin. Kin. i kat. 4 no. 4:648-651 Jl-Ag '63.

Kinetics of cumene cracking on aluminum oxide activated with boron fluoride. V. A. Chernov, T. V. Antipina, Kin. i kat. 4 no. 4 595-600 Jl-Ag '63.

Phase relations in the system scandium oxide - aluminum oxide. N. A. Toropov, V. A. Vasil'eva. Dokl. AN SSSR 152 no. 6:1379-1382 O '63.

Plant for the preparation of aluminum oxide. A. M. Kon'iakov. Bum. prom. 38 no. 10:20 O '63.

Trilonometric method for determining aluminum oxide in titanium dioxide. L. A. Naviazhskaia, V. S. Spotykhina. Lakokras. mat. i ikh prim. no. 4:52-53 '62.

ALUMINUM SILICATES see subdivision under Noril'sk region

ALUMINUM-SILICON ALLOYS see Silicon-aluminum alloys

ALUMINUM-SILICON-COPPER ALLOYS

Mechanical and casting properties of alloys in the system Al - Si - Cu. M. V. Zakharov, I. I. Novikov, E. I. Rytvin. Alium. splavy no. 1 22-32 '63.

ALUMINUM-SILICON-MAGNESIUM ALLOYS

High-strength BAL2 alloy. M. B. Al'tman, O. B. Lotareva, N. S. Postnikov. Alium. splavy no. 1:5-13 '63.

MVTU-1 aluminum foundry alloy. V. I. Sulaeva. Alium. splavy no. 1 11-21 '63.

ALUSHTA DISTRICT—COURTS

People's assessors lend their assistance. O. Shepeleva. Rad. pravo no. 4:102-103 Jl-Ag '63.

AMARANTOV, BORIS, 1942-

Ten minutes of art. Sov. Soiuz no. 9:48-49 '63.

AMATEUR ART ACTIVITIES

Arm in arm. IU. Verchenko. Polit. samoobr. 7 no. 7: 32-33 Jl '63.

AMATEUR MOTION PICTURES see subdivision under Moscow

AMATEUR MOTION PICTURES—COMPETITIONS

On the screen are student amateur motion pictures. B. V. Kubeev. Vest. vys. shkoly 21 no. 10:82-83 O '63.

AMATEUR RADIO STATIONS

Amateur radio competitions in the Spartakiada. N. Kazanskii. Radio no. 10 5-6 O '63.

Competitions of shortwave radio amateurs in Gomel'. N. Kozlov. Radio no. 10 7 O '63.

Seminars for judges of amateur radio competitions. V. Lykov. Radio no. 10 10 O '63.

Transmitter-receiver for operation on 430-440 mc. V. Lomanovich, D. Denkin. Radio no. 10 21-24 O '63.

Ultrashort radio waves. Radio no. 10:14-15 O '63.

What the accounts indicate. K. Nikolaev. Radio no. 10 12-13 O '63.

AMATEUR THEATRICALS see subdivision under Ukraine

AMBLYOPIA

Transplantation of the cornea in amblyopic eyes with cataracts in adult persons. V. P. Milovanova. Uch. zap. ULIGB 5:46-51 '62.

AMIDES

Synthesis and study of derivatives of phenylthiocarbohydrazide-carbothiophenylamide. Part 2. Reaction of derivatives of phenylthiocarbazide-carbothiophenylamide with methylating agents and alkali. R. G. Dunenzo, P. S. Pel'kis. Zhur. ob. khim. 33 no. 8 2682-2687 Ag '63.

AMINATION

Effect of the molecular weight of alcohol on the process of its amination. IU. B. Kagan and others. Neftekhimiia 1 no. 4:555-563 Jl-Ag '61.

Kinetics of the amination of fatty acids by monoethanolamine. M. A. Kamyshan, G. M. Pavlov. Izv. vys. ucheb. zav.; pishch. tekh. no. 1:61-64 '63.

Method for analyzing products obtained by the interaction of aliphatic alcohols with ammonia in the presence of hydrogen. G. A. Klinger and others. Neftekhimiia 1 no. 3:397-402 My-Je '61.

Reaction between octyl alcohols and ammonia under the hydrogen pressure on a fused iron catalyst. IU. B. Kagan and others. Neftekhimiia 1 no. 3 403-410 My-Je '61.

AMINE OXIDASE

Role of monoamine oxidase inhibition in the antiarrhythmic effect of ipravid. N. K. Popova, R. IU. Il'iuchenok, V. S. Sergievskii. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2 121-123 '63.

AMINES

Organic insectofungicides. Part 70. Problem of thionic-thiol isomerization of some esters of phosphorothioic and phosphorodithioic acids on their reaction with amines. N. N. Mel'nikov, B. A. Khaskin, K. D. Shvetsova-Shilovskaia. Zhur. ob. khim. 33 no. 8 2456-2161 Ag '63.

Role of the triplet state of aromatic amines in the photochemical reaction of dehydrogenation of alcohols at 77°K. V. E. Kholmogorov, E. V. Baranov, A. N. Terenin. Dokl. AN SSSR 152 no. 6:1399-1402 O '63.

AMINO ACID METABOLISM

Chromatographic study of the amino acids of blood serum in schizophrenia patients [with summary in French]. L. I. Lando. Zhur. nevr. i psikh. 62 no. 12:1855-1862 '62.

Effect of the pH of the medium on amino acid metabolism in corn plants. S. S. Andreenko, N. D. Alekhina, E. D. Shushova. Nauch. dokl. vys. shkoly, biol. nauki no. 4: 152-156 '63.

Identity of amino acid metabolism in bulbaceous plants during the formation of flowers and aerial bulbils. V. O. Kazarian, G. G. Gabrielian. Dokl. AN Arm. SSR 37 no. 1:39-42 '63.

AMINO ACIDS

Change in the composition of free amino acids in soil during the vegetation period. T. M. Ivashkevich, V. F. Kuprovich, T. A. Shcherbakova. Dokl. AN BSSR 7 no. 10:704-707 O '63.

Determination of the effect of vitamin B_{12} on the absorption of amino acid mixtures in the intestine [with summary in English]. O. A. Shishova. Vop. pit. 22 no. 1: 50-55 Ja-F '63.

Determination of the level of free amino acids in healthy people by the method of paper chromatography [with summary in English]. Z. N. Lebedeva. Vop. pit. 22 no. 1:55-57 Ja-F '63.

Effect of photoperiodism on the change in the amino acid composition of the isolated leaves of perilla. V. O. Kazarian, K. A. Karapetian. Dokl. AN Arm. SSR 36 no. 4 233-236 '63.

N-terminal amino acids of the globulins in some pea species. I. A. Vaintraub. Trudy po khim. prirod. soed. no. 5:15-19 '62.

Synthesis of aliphatic amino acids from thiophene derivatives. Part 7. Preparation of some higher α-amino acids from 2-phenyl-4-thenyliden-5-oxazolones. B. P. Fabrichnyi and others. Zhur. ob. khim. 33 no. 8:2697-2702 Ag '63.

AMINO ACIDS (Continued)

Synthesis of p-bis(β-chloroethyl)aminobenzoyl derivatives of some amino acids. L. V. Alekseeva, Z. V. Pushkareva, S. N. Dul'dina. Zhur. ob. khim. 33 no. 10 3145-3147 O '63.

AMINO COMPOUNDS

Synthesis of p-bis(β-chloroethyl)aminobenzoyl derivatives of some amino acids. L. V. Alekseeva, Z. V. Pushkareva, S. N. Dul'dina. Zhur. ob. khim. 33 no. 10 3145-3147 O '63.

AMINO GROUP

Selective protection of amino groups in 1,5-diaminotetrahydronaphthalene. Z. Dumitrescu, I. Ambrush. Zhur. ob. khim. 33 no. 8 2793-2794 Ag '63.

AMINO OXIDASES

Data of an experimental and clinical study of transamine, a new monoamine oxidase inhibitor [with summary in French]. V. IA. Grinshtein, N. S. Ratenberg, T. N. Morozova. Zhur. nevr. i psikh. 62 no. 12 1806-1812 '62.

AMMINES

Use of ammonium cation exchangers for the ammination of feed water. T. P. Rudenko, D. I. Pashchenko. Energetik 11 no. 10:10-11 O '63.

AMMONIA

Ammonia, glutamic acid and glutamine in the brain in ontogeny under the influence on the organism of oxygen under pressure [with summary in English]. V. A. Khetuvimova. Ukr. biokhim. zhur. 34 no. 2 230-236 '62.

Ammonia service stations. V. V. Shukaev. Khol. tekh. 10 no. 5 51-53 S-O '63.

Kinetics of ammonia synthesis reaction carried away from equilibrium. Part 2. M. I. Temkin, N. M. Morozov, E. N. Shapatina. Kin. i kat. 4 no. 4:565-573 Jl-Ag '63.

Reaction of yttrium with alizarin S and ammonia. L. S. Serdiuk, U. F. Silich. Ukr. khim. zhur. 29 no. 8 848-854 '63.

Solubility in the systems liquid ammonia - acetylenic hydrocarbons at low temperatures. S. F. Shakhova, G. E. Braude. Khim. prom. no. 7 510-514 Jl '63.

AMMONIUM ACETATE—PHYSIOLOGICAL EFFECT

Effect of ammonium acetate on the increase of butterfat percentage, intermediate metabolism, and digestion processes in the rumen of Jersey and East Friesian cows. G. A. Bondarenko, I. K. Slesarev. Trudy VIZH 24:57-77 '62.

AMMONIUM NITRATE

Ammonium nitrate, a means of controlling Limnaeus truncatulus in pastures. I. N. Vasil'eva. Veterinariia 37 no. 2:41-43 F '60.

AMMONIUM PERCHLORATE

Effect of pressure on the deflagration rate of ammonium perchlorate. A. P. Glazkova. PMTF no. 5 121-125 S-O '63.

AMMONIUM SULFATE

Effectiveness of enriching corn silage with carbamide and ammonium sulfate. T. I. Sarbasov. Trudy VIZH 24 173-181 '62.

AMMONOLYSIS

Catalytic synthesis of benzonitrile by means of the oxidative ammonolysis of aromatic compounds. A. D. Kagarlitskii and others. Zhur. prikl. khim. 36 no. 8 1848-1852 Ag '63.

AMPHIBOLES

Determination of the absolute age of rocks based on the age of amphiboles. IE. S. Burkser, F. I. Kotlovs'ka. Dop. AN URSR no. 12 1610-1613 '61.

AMPHIPODA

(see also subdivision under Mindanao Trench)

Accumulation of radioactive isotopes of strontium, calcium, yttrium and cerium in amphipods. N. N. Khmeleva. Radiobiologiia 2 no. 6:944-946 '62.

AMPLIFIERS (ELECTRONICS)

Design of a selective transistor amplifier with a double T-type bridge in the feedback circuit. E. A. Malakhov. Sbor. trud. LIIZHT no. 179:126-132 '61.

Lev, A. IU. [Wire broadcasting amplifiers] Usiliteli provodnoi sviazi. Moskva, Sviaz'izdat, 1963. 317 p.

Stability of feedback amplifiers. V. P. Veloshinov. Sbor. trud. LIIZHT no. 179:133-138 '61.

Synthesis of some amplifier networks using the given frequency characteristic of the amplifier. V. L. Tiurin. Sbor. trud. LIIZHT no. 179:116-125 '61.

AMPLIFIERS, ELECTRON-TUBE

DC amplifier with wide frequency conversion range [with summary in English]. R. D. Baglai. Avtom. i telem. 24 no. 10:1387-1396 O '63.

AMPLIFIERS, TRANSISTOR see Transistor amplifiers

AMU DARYA DELTA—REED (BOTANY)

The raw materials base exists, let us build a combine. A. Burits. Nat. khoz. Uzb. 5 no. 10 22-24 O '63.

AMU DARYA DELTA—SOIL FORMATION

Some characteristics of soil formation in the Amu Darya Delta. N. V. Bogdanovich. Trudy Inst. pochv. AN Uz SSR no. 1:3-23 '55.

AMUR CORK TREE

Role of birds in spreading seeds of the Amur cork tree. A. P. Nechaev, V. A. Nechaev. Izv. SO AN SSSR no. 8. Ser. biol.-med. nauk no. 2 56-61 '63.

AMUR LIMAN—SILVER SALMON

Occurrence of silver salmon in the Amur Liman. R. I. Enlutina. Izv. TINRO 46 246-247 '60.

AMUR PROVINCE—ATMOSPHERIC TEMPERATURE

Effective summer temperatures on the territory of Amur Province. V. V. Golovin. Sib. geog. sbor. no. 2:56-59 '63.

AMUR PROVINCE—RAIN AND RAINFALL

Downpours and initial parameters for calculating torrential flow in Khabarovsk Territory and Amur Province. L. D. Koshkareva. Sbor. nauch. rab. DVNIIS no. 1:217-244 '61.

AMUR RIVER—CHUM SALMON

Fecundity of Oncorhynchus keta in the Amur River. T. N. Belianina. Nauch. dokl. vys. shkoly, biol. nauki no. 4 21-30 '63.

AMUR RIVER—PHYTOPLANKTON

New data on the phytoplankton of the middle course of the Amur River. N. P. Mokeeva. Trudy Gidrobiol. ob-va 13 90-93 '63.

AMUR VALLEY—FOREST ECOLOGY

Microassociations in a cowberry-polytrichum larch forest of the central Amur Lowland. A. A. Popov. Bot. zhur. 48 no. 9:1394-1397 S '63.

AMUR VALLEY—LARCH

Microassociations in a cowberry-polytrichum larch forest of the central Amur Lowland. A. A. Popov. Bot. zhur. 48 no. 9:1394-1397 S '63.

AMYL ALCOHOL

Dehydration of primary n-amyl alcohol and the accompanying isomeric conversions of pentenes on a calcium phosphate catalyst. L. Kh. Freidlin and others. Neftekhimiia 1 no. 4 548-554 Jl-Ag '61.

AMYLASE

Effect of sodium chloride on the activity of wheat amylases. I. M. Rotter, N. I. Berzina. Izv. vys. ucheb. zav., pishch. tekh. no. 4:42-46 '63.

AMYLOIDOSIS

Pathogenesis of amyloid nephrosis in the light of experimental data. V. V. Serov. Arkh. pat. no. 2:33-46 '63.

ANABASINE

Synthesis on the basis of anabasine. Part 18. α-Quinuclidyl-β-pyridine. A. S. Sadykov, M. Karimov, Kh. A. Aslanov. Zhur. ob. khim. 33 no. 10:3417-3420 O '63.

ANAEROBIC BACTERIA see Bacteria, Anaerobic

ANALYSIS (MATHEMATICS) see Mathematical analysis

ANALYSIS, THERMAL see Thermal analysis

ANALYTIC FUNCTIONS see Functions, Analytic

ANALYTICAL CHEMISTRY see Chemistry, Analytical

ANALYTICAL MECHANICS see Mechanics, Analytic

ANAPA—SCULPTURE, GREEK

Excavations in Anapa. L. Krugликova. Iskusstvo 26 no. 9:67-68 '63.

ANAPHYLAXIS

Changes in the anaphylactic and immunological reactions in sensitized guinea pigs under supplementary action of cortisone [with summary in English]. B. G. Trukhmanov, L. IA. Tikhonova. Trudy TomNIIVS 12 170-177 '60.

Study of the anaphylactogenic properties of deoxyribonucleic acids in tissues. V. IU. Klimov, K. G. Chamova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1: 13-14 '61.

ANATOMY, HUMAN

Review of M. F. Ivanitskii's book "Human anatomy." IU. V. Bukin. Teor. i prak. fiz. kul't. 26 no. 1:75-77 Ja '63.

ANATOMY, HUMAN—STUDY AND TEACHING

Kozyr', I. V. [Methods of teaching human anatomy and physiology] Metodika prepodavaniia anatomii i fiziologii cheloveka. Izd. 2., perer. i dop. Moskva, Uchpedgiz, 1960. 286 p.
(CLU)

ANATOMY, PATHOLOGICAL

[Multivolume manual on pathological anatomy] Mnogotomnoe rukovodstvo po patologicheskoi anatomii. Otv. red. A. I. Strukov. Moskva, Medgiz.
Vol. 1. [History of pathological anatomy, pathological anatomy of the endocrine glands, skin, ear, and eye] Istoriia patologicheskoi anatomii, patologicheskaia anatomiia ... kikh zhelez, kozhi, ukha i glaza. 1962. 640 p.
(DNLM)

ANATOMY, SURGICAL AND TOPOGRAPHIC

Orenburg. Gosudarstvennyi meditsinskii institut. [Nineteenth Scientific Session of the Orenburg State Medical Institute] XIX Nauchnaia sessiia. Orenburg, 1962. 144 p.
[DNLM MICROFILM]

ANCHOVIES see subdivision under Maritime Territory

ANDIZHAN—SPORTS

Glory in work and in sports. M. Sherimov. Uzbekistan 29 no. 7 10 Jl '63.

ANDIZHAN PROVINCE—COTTON GROWING

Effectiveness of new preparations for preharvest defoliation of leaves and drying of cotton in the experimental fields in 1956 and 1957. M. V. Kulikova. Trudy FergZOS no. 2:127-131 '59.

Productive capacity of irrigated light-colored sierozems in cotton monoculture and crop rotation. N. I. Bazilevskii. Trudy FergZOS no. 2:127-131 '59.

ANDIZHAN PROVINCE—SOIL FERTILITY

Productive capacity of irrigated light-colored sierozems in cotton monoculture and crop rotation. N. I. Bazilevskii. Trudy FergZOS no. 2:127-131 '59.

ANDREEV, BORIS MIKHAILOVICH, 1917-

Coeval of October. IU. Mikhailov. Okhr. truda i sotsial'nogo strakh. 6 no. 10 13-14 O '63.

ANEMIA

Anemia in children fed with goat's milk. E. V. Gofman-Kadoshnikova. Trudy mol. nauch. sotr. MONIKI no. 1:183-187 '57.

Clinical hematological characteristics of anemia in pregnant women. M. N. Mulkova, I. P. Ivanov, N. A. Magakian. Kaz. med. zhur. no. 2:61-64 Mr-Ap '63.

Some pharmacological requisites for the use of cobalt in anemic states of animals and in prophylaxis. I. S. Shatov. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:129-134 '61.

ANEMONE

Study of the tuberous root of garden anemone. I. D. Medzmariashvili. Trudy Sukh. bot. sada no. 14:83-[illegible] '62.

ANESTHESIA IN VETERINARY SURGERY

The EN-1 apparatus for the anesthesia of animals. A. S. Miagkov, O. N. Kuriatnikov. Sbor. stud. rab. Mi[illegible] no. 7 78-80 '62.

ANGARA VALLEY—CITIES AND TOWNS

Settlement of the middle Angara Valley in connection with the development of the region. N. N. Kazanskii. Sib. geog. sbor. no. 2:170-195 '63.

ANGARA VALLEY—LAND SETTLEMENT

Settlement of the middle Angara Valley in connection with the development of the region. N. N. Kazanskii. Sib. geog. sbor. no. 2:170-195 '63.

ANGARA VALLEY—PEAT BOGS

The Talovskoye peat bog and evaluating peat deposits. V. M. Boiarkin. Sib. geog. sbor. no. 2:109-119 '63.

ANGELIQUE

Lactones from angelique fruits (Archangelica officinalis). G. K. Nikonov, R. K. Veremei, V. IA. Kuznetsov. Zhur. ob. khim. 33 no. 8:2744-2746 Ag '63.

ANGIOGRAPHY

"Angiography in the diagnosis of tumors and vascular diseases of the brain" by M. D. Gal'perin. F. A. Ivanov. Zhur. nevr. i psikh. 63 no. 2:308-309 '63.

Technique of angiopulmonography. N. I. Khurasanova. Kaz. med. zhur. no. 2:25-28 Mr-Ap '63.

Venography in tumors of the subcortical ganglia [with summary in French]. A. N. Lebedev. Zhur. nevr. i psikh. 63 no. 2:181-186 '63.

ANGIOSPERMS, FOSSIL

[Fundamentals of paleontology; manual for paleontologists and geologists of the U. S. S. R. in 15 volumes] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v piatnadtsati tomakh. Otv. red. IU. A. Orlov. Moskva, Izd-vo Akad. nauk SSSR.
[Vol. 15] [Gymnosperms and angiosperms] Golosemennye, pokrytosemennye. Pod red. V. A. Vakhrameeva, G. P. Radchenko, A. L. Takhtadzhiana. 1963. 742 p.

ANGOLA—POLITICS AND GOVERNMENT

Angola is breaking its chains. V. IEremenko. Ukraina no. 21:14-15 N '61.

ANGREN BASIN—COAL GASIFICATION, UNDERGROUND

Study of electrical linking of boreholes in the Angren Station 'Podzemgaz." A. D. Reznikov, S. N. Liandres, I. A. Khar'kov. Nauch. trudy VNIIPodzemgaza no. 9:80-85 '63.

Ways of improving drilling technology and borehole construction of underground gas producers of the Angren Station 'Podzemgaz." V. G. Smirnov, V. V. Zhukov. Nauch. trudy VNIIPodzemgaza no. 9:91-97 '63.

ANGREN BASIN—COAL GEOLOGY

Some facts pertaining to the effect of the deposition medium on the properties of the organic components of coal. I. S. Soffev, I. A. Gorlenko, I. N. Semasheva. Dokl. AN SSSR 152 no. 2:438-440 S '63.

ANHYDRIDES

Acylating action of mixed anhydrides of fluorine-containing carboxylic acids. A. V. Fokin, A. A. Skladnev, V. A. Komarov. Zhur. ob. khim. 33 no. 10:3271-3274 O '63.

Reactions of cyanamide with aliphatic acid anhydrides. A. F. Kretov, A. P. Momsenko. Zhur. ob. khim. 33 no. 10:3325-3328 O '63.

ANILINE

Extraction of uranium as uranyl acetate with aniline and its solutions in organic solvents. A. A. Nemodruk. Trudy Kom. anal. khim. 14:141-147 '63.

Synthesis and study in the 1, 3, 5-triazine series. Part 2. Interaction of cyanuric chloride with substituted anilines. N. V. Kozlova and others. Zhur. ob. khim. 33 no. 10:3303-3309 O '63.

ANIMAL INTRODUCTION

All-Union conference on the acclimatization of animals. N. K. Vereshchagin. Priroda 52 no. 9:112-114 '63.

ANIMAL MIGRATION

Are there Pacific Littorina relicts in the White Sea? F. N. Nesis. Okeanologiia 1 no. 3:498-501 '61

ANIMAL POPULATIONS

Mathematical theory of marking. O. M. Kalinin. Prim. mat. metod. v biol. no. 2:161-169 '63.

ANIMAL WASTE

Contents of the rumen as additional feed for chicks. O. A. Shymans'ka. Visnyk sil'hosp. nauky 6 no. 4:112-113 Ap '63.

ANIMALS, HABITS AND BEHAVIOR OF

Adaptive role of herd behavior. Iu. V. Orfeev. Dokl. AN SSSR 152 no. 4:995-997 O '63.

Behavior and cybernetics. B. Kh. Gurevich. Prim. mat. metod. v biol. no. 2:47-51 '63.

In stories and in life. V. Parkhomenko. Donbk. vykh. 24 no. 10 11-12 O '63.

ANIMALS, MARKING OF

Mathematical theory of marking. O. M. Kalinin. Prim. mat. metod. v biol. no. 2:161-169 '63.

ANIMALS, MYTHICAL

A stele with the image of a griffin from Phanagoria. I. P. Prikhod'ko. Sov. arkheol. 7 no. 3:221-222 '63.

ANIMALS, TRAINING OF

Conditioned reflexes and the training of animals; in motion pictures and on a circus arena. Iu. P. Znamenskii. Priroda 52 no. 9:36-44 '63.

From the private life of a lion. L. Bergol'tsev, V. Kitsenov. Sov. Soiuz no. 8, 30-31 '63.

ANIMALS AS CARRIERS OF DISEASE

Reservoir of brucellosis infection in nature. I. G. Galuzo, M. M. Rementsova. Veterinariia 37 no. 2:12-15 F '60.

ANIMALS IN MOTION PICTURES

Conditioned reflexes and the training of animals; in motion pictures and on a circus arena. Iu. P. Znamenskii. Priroda 52 no. 9:36-44 '63.

ANIMISM

Animism. Nauka i rel. no. 2:86-89 F '62.

ANIONS

Some remarks on V. A. Zharikov, T. N. Diuzhikova, E. M. Maksakova's article "Experimental and theoretical studies of the flow effect. Report No. 1. Different flow rates of cations and anions." Iu. M. Chernobrezhskii. Izv. AN SSSR, Ser. geol. 28 no. 10:99-102 O '63.

ANIONS—ABSORPTION SPECTRA

Change of electronic absorption spectra under the effect of some substance added. Part 1: Spectra of solvated anions (with summary in English). V. V. Pal'chevskii, B. S. Smolkakov. Vest. LGU 18 no. 16:110-114 '63.

ANISOLE

Reactions of aromatic nitro compounds. Part 17: Products of addition of alcoholates to dinitroanisole. S. S. Gitis, A. I. Glaz, A. IA. Kaminskii. Zhur. ob. khim. 33 no. 10:3301-3303 O '63.

ANISOTROPY

Approximate solution of the problem of emission transfer at anisotropic scattering [with summary in English]. O. A. Avaste. Trudy Astrofiz. inst. AN Kazakh SSR 3:103-104 '62.

Heat conductivity in bodies with a cylindrical anisotropy. M. M. Plotnikov. Izv. vys. ucheb. zav., mashinostr. no. 7:108-118 '63.

ANKLE—FRACTURE

Treatment of malleolus fractures. U. IA. Bogdanovich. Kaz. med. zhur. no. 2:56-58 Mr-Ap '63.

ANNEALING OF METALS

Effect of heat treatment on the plasticity and magnetic properties of an iron alloy with 16% aluminum. I. A. Gorlach and others. Metalloved. i term. obr. met. no. 11:8-10 N '63.

Effect of low-temperature annealing on the resistance to creep of manometric tubular springs. L. M. Butkovich, M. P. Gridnev. Metalloved. i term. obr. met. no. 11:44-46 N '63.

Irradiation and heat treatment of chromous white cast iron. V. A. Shalashov. Metalloved. i term. obr. met. no. 11:31-34 N '63.

ANNIVERSARIES

Dates, events, and people. Komm. Bel. 37 no. 9:75-77 S '63.

Noteworthy dates. Nar. obr. no. 10:127 O '63.

ANNUALS (PLANTS) see subdivision under Kirghizistan

ANOXEMIA

Examination of the cardiovascular system in workers using progressive anoxemia as an indicator. A. G. Genkin. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9:59-62 '61.

ANTARCTIC REGIONS—AERONAUTICS IN METEOROLOGY

Establishment of an airborne observatory. V. I. Shilakhov. Inform. biul. Sov. antark. eksp. no. 35:28-30 '62.

ANTARCTIC REGIONS—ALTITUDES—MEASUREMENT

Methods of determining heights in Antarctica. G. E. Lazarev. Inform. biul. Sov. antark. eksp. no. 35, 49-55 '62.

ANTARCTIC REGIONS—AURORAS

Results of visual observations of aurora. B. S. Moiseev. Inform. biul. Sov. antark. eksp. no. 35:39-42 '62.

ANTARCTIC REGIONS—BRINES

Brines in shelf ice. L. I. Dubrovin. Inform. biul. Sov. antark. eksp. no. 35:35-38 '62.

ANTARCTIC REGIONS—GEOPHYSICAL RESEARCH

Antarctic research planned by the U. S. A. in 1962. I. Fa-i-engol'ts. Inform. biul. Sov. antark. eksp. no. 35 65-68 '62.

By radio from Antarctica. Inform. biul. Sov. antark. eksp. no. 35 59-62 '62.

ANTARCTIC REGIONS—GRAVITY

Gravity field and subglacial relief of the central part of eastern Antarctica. G. E. Lazarev, S. A. Ushakov. Dokl. AN SSSR 152 no. 2:400-403 S '63.

ANTARCTIC REGIONS—ICE

Antarctic shelf ice, its morphology, internal structure, and origin [with summary in English]. V. Kh. Buinitskii. Vest. LGU 18 no. 18:82-101 '63.

ANTARCTIC REGIONS—ICEBERGS

Study of the flow of icebergs away from the shores of Antarctica. V. G. Ledenev. Inform. biul. Sov. antark. eksp. no. 35:31-34 '62.

ANTARCTIC REGIONS—MAPS

Atlas of Antarctica. E. S. Korotkevich. Inform. biul. Sov. antark. eksp. no. 35 56-58 '62.

ANTARCTIC REGIONS—OCEAN TEMPERATURE

Heat content of Antarctic waters. N. S. Smetanina. Okeanologiia 1 no. 3:412-417 '61

ANTARCTIC REGIONS—SNOW

Change in the accumulation of snow in Antarctica in recent decades. V. M. Kotliakov. Inform. biul. Sov. antark. eksp. no. 35:18-23 '62.

ANTARCTIC REGIONS—SPORADIC E (IONOSPHERE)

Airborne observations of the drift of nonuniformities in the E Layer in Antarctica. V. B. Smirnov. Inform. biul. Sov. antark. eksp. no. 35:43-44 '62.

ANTARCTIC REGIONS—WHALING—LAWS AND REGULATIONS

Agreement on the regulation of pelagic whaling in Antarctica. Ryb. khoz. 38 no. 11:93-94 '62.

ANTARCTIC REGIONS—WINDS

Meridional circulation over Antarctica and its connection with planetary circulation. S. T. Seriapov. Inform. biul. Sov. antark. eksp. no. 35:23-25 '62.

ANTHELMINTICS

Testing sancaphen in ascariasis. T. E. Burdelev. Dokl. TSKHA no. 69, 271-274 '61.

ANTHRAQUINONES

Derivatives of anthraquinone. Part 2: Mercuration and catalytic sulfonation of anthraquinone. N. S. Dokunikhin, L. A. Gaeva. Zhur. ob. khim. 33 no. 8 2727-2734 Ag '63.

Synthesis based on diene condensation. Part 1: 1-Methyl-1-arylanthraquinones. N. I. Ganushchak, A. V. Dombrovskii, O. A. Vislobitskaia. Zhur. ob. khim. 33 no. 8 2532-2531 Ag '63

ANTHRAQUINONESULFONIC ACID

Extraction-photometric determination of yttrium and lanthanum with alizarin S. L. S. Serdiuk, U. F. Silich, V. S. Smirnaia. Trudy Kom. anal. khim. 14 271-278 '63.

Reaction of yttrium with alizarin S and ammonia. L. S. Serdiuk, U. F. Silich. Ukr. khim. zhur. 29 no. 8 848-854 '63

ANTHRAX

Effect of the microflora of the gastrointestinal tract in various species of animals on Bacillus anthracis. Kh. Aiurzan. Trudy Mosk. vet. akad. 12, 157-168 '56.

Problems of infection and immunity in anthrax in the light of I. P. Pavlov's theory. Report No. 1. P. V. Bychkin. Trudy Mosk. vet. akad. 12:82-87 '56

Problems of infection and immunity in anthrax in the light of I. P. Pavlov's theory. Report No. 2. P. V. Bychkin. Trudy Mosk. vet. akad. 12:88-91 '56.

Problems of infection and immunity in anthrax in the light of I. P. Pavlov's theory. Report No. 3. P. V. Bychkin. Trudy Mosk. vet. akad. 12:92-97 '56.

ANTHRAX—MICROBIOLOGY

New method of differentiating anthrax bacillus from the pseudoanthracic group of bacilli. T. S. Shulak. Trudy Mosk. vet. akad. 12:116-122 '56.

ANTHROPOGEOGRAPHY

First Soviet textbook on biogeography. Iu. G. Saushkin. Vest. Mosk. un. Ser 5 Geog. 18 no. 6 97-98 N-D '63.

ANTHROPOMETRY

Review of P. N. Bashkirov's book "Theory of the physical development of man." A. G. Zhdanova. Teor. i prak. fiz. kul't. 26 no. 1 77 Ja '63.

Theoretical information coefficient of correlations and its use in the statistical analysis of anthropometric data. L. N. Zanina, O. M. Kalinin, T. A. Faleva. Prim. mat. metod. v biol. no. 2, 107-109 '63.

ANTIAIRCRAFT ARTILLERY

Comprehensive training. IA. Sul'man. Voen. vest. 41 no. 1:77-80 Ja '62.

Determination of the direction of fire (consultation). Voen. vest. 41 no. 1:85-86 Ja '62.

Observe safety measures. S. Temkin. Voen. vest. 41 no. 1:84-85 Ja '62

Radio control systems of antiaircraft rockets. V. Myshkovskii. Voen. vest. 43 no. 7, 92-95 Jl '63.

So the sky may be clear. I. IUdin. Voen. vest. 41 no. 11:89-91 N '61.

Targets detected at maximum ranges. E. Bogdanov. Voen. vest. 43 no. 7:88-90 Jl '63.

ANTIBIOSIS

Effect of the microflora of the gastrointestinal tract in various species of animals on Bacillus anthracis. Kh. Aiurzan. Trudy Mosk. vet. akad. 12:157-168 '56.

ANTIBIOTICS

Antibiotics. Part 2: Oxidation products of the antibiotic heliomycin. A. N. Grinev, A. S. Mezentsev, D. V. Sibiriakova. Zhur. ob. khim. 33 no. 10:3207-3209 O '63.

Antibiotics in experimental pasteurellosis in poultry. A. K. Shcherbina and others. Veterinariia 37 no. 2:40 F '60.

Antibiotics in stockbreeding. O. A. Gavrilova. Veterinariia 37 no. 2:64-66 F '60.

Characteristics of the sensitivity of Listeria to some antibiotics [with summary in English]. IU. Odintsov. Trudy TomNIIVS 12:85-87 '60.

Determination of the sensitivity of Listeria to antibiotics by the method of paper disks [with summary in English]. A. Zaitseva, V. Akishina. Trudy TomNIIVS 12:88-90 '60.

Effect of some antibiotics on Leptospira [with summary in English]. G. Chazova, E. Mastenitsa. Trudy TomNIIVS 12:70-72 '60.

Efficacy of the combined treatment of protracted and chronic dysentery with antibiotics and immunogen; abstract. V. A. Matsievskii, P. L. Borzykh. Kaz. med. zhur. no. 1:117-118 Ja-F '61.

Sensitivity of dysentery bacteria to streptomycin, levomycetin and biomycin [with summary in English]. M. I. Khomullo, T. I. Bystritskaia. Trudy TomNIIVS 12, 136-139 '60.

Sensitivity of local strains of the diphtheria bacillus to antibiotics [with summary in English]. I. R. Sirotinina and others. Trudy TomNIIVS 12:130-131 '60.

ANTIBIOTICS (Continued)

[illegible] Sokolov [illegible] S-O '63.

Treating cows with a chronic form of mastitis by using hot milk (45°) combined with antibiotics. V.I. Bespal'ko, short communication. Trudy VIEMP no. 7 59-62 '62.

ANTIBIOTICS AS FEED

[illegible] for [illegible] Trudy VNIIP no. 4 149-154 '62.

ANTICOAGULANTS (MEDICINE)

Use of indirect anticoagulants in surgical operations on the veins of the lower extremities. I.G. Imshenetskii. Trudy mol. nauch. sots. MONIKI no. 1 266-275 '59.

ANTIGENS AND ANTIBODIES

Antigenic and immunogenic properties of pasteurellae of various origin. O.V. Bykova. Trudy Mosk. vet. akad. 12 14-18 '56.

Chemical nature of biologically active substances of Kaufmann-Wolff epidermophyton. Z.V. Chernikova. Izv. SO AN SSSR no. 8 Ser. biol.-med. nauk. no. 2 91-98 '63.

Experience in the use of the fluorescent antibody method in the diagnosis of tuberculosis. E.V. Belozerskaia. Ter. arkh. no. 2 66-69 Mr-Ap '63.

Fractional composition of serum proteins in rabbits immunized with different strains [with summary in English]. O.V. Vasil'eva. Trud. Tomsk. IIVS 12 208-213 '60.

Obtaining an antigen for the complement fixation reaction of tick-borne and Japanese encephalitis viruses from tissue cultures. S.IA. Gaidamovich, V.R. Obukhova, E.F. Mukhina. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 31-33 '61.

Separation of antibodies in serums of horses immunized with polyvalent vaccines and the possibility of obtaining several serums from one horse [with summary in English]. E.G. Trushnina. Trudy Tom. IIVS 12 155-164 '60.

ANTIHYPERTENSIVE AGENTS

Hypotensive effect of common motherwort growing in Azerbaijan under conditions of chronic experimental hypertonia in animals. F.A. Aruutamova. Izv. AN Azer. SSR. Biol. nauki 16 no. 7 47-52 Jl '63.

ANTIMONY CRYSTALS—GROWTH

Formation of Sb_2S_3, Sb_2Se_3, and Sb_2Te_3 films on antimony in the process of reactive diffusion. N.N. Koreni, N.N. Sirota. Dokl. AN BSSR 7 no. 10 666-668 O '63.

ANTIMONY SELENIDE—ELECTRIC PROPERTIES

Some electric properties of antimony triselenide with various admixtures. M.V. Kot, S.D. Shutov. Trudy po fiz. poluprov. no. 1 54-56 '62.

ANTIMONY SELENIDE CRYSTALS—ELECTRIC PROPERTIES

Anisotropy of the conductance and optical properties of antimon. selenide crystals. M.V. Kot, S.D. Shutov. Trudy po fiz. poluprov. no. 1 47-53 '62.

ANTIMONY SELENIDE CRYSTALS—OPTICAL PROPERTIES

Anisotropy of the conductance and optical properties of antimony selenide crystals. M.V. Kot, S.D. Shutov. Trudy po fiz. poluprov. no. 1 47-53 '62.

ANTIOCH—ORTHODOX EASTERN CHURCH—PERIODICALS

"An-Nima," journal of the Antioch Orthodox Church, January-April 1963. Petr Petros. Zhur. Mosk. Patr. no. 8 78-80 Ag '63.

ANTIOXIDANTS

Change in the antioxidative activity of tissue culture strain Ner-2 after external gamma irradiation. B.V. Leonov. Radiobiologia 2 no. 6 818-823 '62.

Effect of chemical composition of oils on their stability during oxidation. S.E. Krein, I.A. Rubinshtein, E.A. Popova. Neftekhimiia 3 no. 4 584-593 Jl-Ag '63.

Influence of the polar effect of substituents on the oxidation inhibiting activity of sterically hindered phenols. G.N. Bogdanov, V.A. Boldin. Neftekhimiia 3 no. 4 594-597 Jl-Ag '63.

Lipid model of radiation injury and antiradiation prophylaxis [with summary in English]. A.I. Zhuravlev. Trudy MOIP. Otd. biol. 7 93-101 '63.

ANTONOVICH, MAKSIM ALEKSEEVICH, 1835-1918

Chernyshevskii, Antonovich, and their "self-invited chroniclers." N. Silaev. Oktiabr' 39 no. 12 188-195 D '62.

ANTRUM—SURGERY

Primary suture in antrotomy in breast-fed infants and young children. A.M. Akimova, N.L. Pinegina. Trudy mol. nauch. sotr. MONIKI no. 1 65-69 '59.

ANTS

Chemical language of ants. K.V. Massaev. Priroda 52 no. 9 107-110 '63.

APARTMENT HOUSES
(see also subdivision under Estonia)

Defects in designing and building apartment houses. I.V. Kirilin. Gor. khoz. Mosk. 37 no. 7 11-13 Jl '63.

For high quality in apartment houses. Gor. khoz. Mosk. 37 no. 7 8-10 Jl '63.

Major trends in industrial housing and mass public building construction. B. Rubantenko. Arkhit. SSSR no. 8 7-19 '63.

We answer your questions. Zhil.-kom. khoz. 11 no. 12 28 D '61.

APARTMENT HOUSES—COST OF CONSTRUCTION

Using reserves for lowering the cost of housing construction. B. Kolotilkin. Arkhit. SSSR no. 8 31-33 '63.

APARTMENT HOUSES—DESIGN AND CONSTRUCTION
(see also subdivision under Leningrad)

Apartments in 1975. Viktor Lilin. Zvezda no. 7 141-145 Jl '62.

Mistakes in designs, their causes and consequences. N.P. Plotnikov. Gor. khoz. Mosk. 37 no. 7 13-16 Jl '63.

APARTMENT HOUSES—HEATING AND VENTILATION
see subdivision under Leningrad

APARTMENT HOUSES—MAINTENANCE AND REPAIR
(see also subdivision under Vologda)

Mechanization of the removal of rubbish from construction. B. Naltandov. Zhil.-kom. khoz. 11 no. 12 15-16 D '61.

Take care of public housing. Zhil.-kom. khoz. 11 no. 12. 1-2 D '61.

APARTMENT HOUSES, COOPERATIVE see subdivision under Uzbekistan

APHASIA

Study of the higher psychical functions and the problem of restoring speech in aphasia. E.S. Bein. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 63-64 '61.

APOMORPHINE

Increasing the apomorphine effect with zinc or copper sulfates in the treatment of chronic alcoholism [with summary in French]. A.V. Zavialov. Zhur. nevr. i psikh. 63 no. 2 284-287 '63.

APOPLEXY

Clinical aspects and differential diagnosis of lateral and medial hemorrhages. N.V. Lebedeva. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 61-62 '61.

APPELLATE COURTS see subdivision under Yakutia

APPELLATE PROCEDURE

Appellate and review procedure in the reversal and correction of judicial sentences. V. Poznanskii. Sov. iust. no. 19 17-19 O '63.

APPENDECTOMY—COMPLICATIONS AND SEQUELAE

Significance of periappendicular changes in the development of early complications after appendectomy. Z.Z. Alimov. Kaz. med. zhur. no. 2 42-44 Mr-Ap '63.

APPENDICITIS
(see also subdivision under Kurgan Province)

Appendicitis in influenza patients; abstract. A.A. Titarenko. Kaz. med. zhur. no. 1 114 Ja-F '61.

APPLE see subdivision under Kiev region; Ukraine

APPLE—DISEASES AND PESTS see subdivision under Alma-Ata Province

APPLE—FERTILIZERS AND MANURES see subdivision under Polesye

APPLE—PRESERVATION

Methods for determining apple viability in case of cold storage. N.A. Golovkin, R.L. Perkel', K.K. Strakhovich. Izv. vys. ucheb. zav., pishch. tekh. no. 4 144-148 '63.

APPLE—WATER REQUIREMENTS see subdivision under Moldavia

APPROXIMATE COMPUTATION

High-order correct schemes for the equation of multidimensional heat conduction. A.A. Samarskii. Zhur. vych. mat. i mat. fiz. 3 no. 5 812-840 S-O '63.

Method of consecutive approximations. E.P. Glebov, A.A. Potapenko. Izv. vys. ucheb. zav.; mat. no. 5 39-42 '63.

AQUARIUMS see subdivision under Batum

AQUATIC SPORTS

Invitation to swimming. P. Mikhalev, A. Bochinin, Ogonek 41 no. 33 14-15 Ag '63.

AQUATIC SPORTS—COMPETITIONS

Problems of the combined competition of sea sports. A. Kuuz. Voen. znan. 39 no. 10. 33 O '63.

AQUEDUCTS

For high-quality pipelines made of cast-iron water pipe. V.I. Gotovtsev. Izv. ASIA no. 4 117-120 '61.

ARAB COUNTRIES

Problems of bibliography and documentation in the Arab countries. B.P. Kanevskii. Sov. bibl. no. 5 93-102 '63.

ARAB COUNTRIES—PETROLEUM

Petroleum on the road to Damascus" [in Italian]. E. Z. Algardi, book review. Nat. Aziat. Afr. [illegible] '63.

ARABIA—MILITARY BASES

Foreign military bases on the Arabian Peninsula. O. Krasimov. Mezhdunar. zhizn' 10 no. [illegible] '63.

ARABIAN SEA—HYDROGEN SULFIDE

Hydrogen sulfide contamination of intermediate layers in the Arabian Sea and the Bay of Bengal. V.N. Ivanenkov, A.G. Rozanov. Okeanologiia 3 no. 3 [illegible] '63.

ARABIC LANGUAGE—GRAMMAR, HISTORICAL

Grande, B.M. [Course in Arabic grammar from a comparative-historical perspective] Kurs arabskoi grammatiki v sravnitel'no-istoricheskom osveshchenii. Moskva, Izd-vo vostochnoi lit-ry, 1963. 503 p.

ARAL SEA REGION—GEOLOGY, STRATIGRAPHY

New data on the stratigraphy of Paleogene sediments in the northern part of the Aral Sea region. V.A. Pavlov, O.N. Zhezherin, S.G. Zhilin. Dokl. AN [illegible] no. 6 1112-1115 O '63.

Stratigraphy of continental Cretaceous sediments in the lower Syr Darya uplift (northeastern Aral region). N.A. Bolkhovitina and others. Dokl. AN [illegible] 392-395 S '64.

ARARAT REGION—POTATOES

Characteristics of the formation of the vegetative buds of potato eyes in the Sevan region and the Ararat Valley. N.M. Melikian. Zh. V. T. Soviani. Izv. AN Arm. [illegible] nauki 16 no. 7 85-94 Jl '63.

ARBITRATION, INDUSTRIAL

[Collection of rules of the State Arbitration Commission] Sbor. instr. ukaz. Gos. arbitr. no. 21 '63.

ARBITRATION AND AWARD

Decisions of arbitration agencies. Sov. iust. [illegible] Jl '63.

Decisions of arbitration agencies. Sov. iust. [illegible] O '63.

We have been informed. Sov. iust. no. [illegible] '63.

ARBUZOV FAMILY

Two successors of a great life. Lazar' Ilfabits. Tvorch. shkola 18 no. 10 40-42 O '64.

ARBUZOV REARRANGEMENT see Rearrangements (Chemistry)

ARCHAEOLOGICAL RESEARCH see subdivision under Estonia

ARCHAEOLOGY see subdivision under Azerbaijan, Caucasus; Karelia; Rumania

ARCHAEOLOGY—BIBLIOGRAPHY see Bibliography—Archaeology

ARCHAEOLOGY—METHODOLOGY

Investigation of copper and bronze artifacts by the [illegible] of spectrum analysis. E.N. Chernykh. Sov. [illegible] 7 no. 3 115-156 '63.

ARCHANGEL—HISTORY

Reaction of Archangel workers to the events of [illegible] the Lena Valley. V. Solomina. Ist. arkh. 8 no. [illegible] 228 Mr-Ap '62.

ARCHANGEL—LIBRARIES, SPECIAL

In the library of the trawler fleet. N. Vetrov, [illegible] Bibliotekar' no. 9 23-25 S '63.

ARCHANGEL—WOODPULP INDUSTRY

On the road toward quality improvement. A.A. [illegible] S.P. Sivokhin. Bum. prom. 38 no. 9 5-8 S '63.

ARCHES

Stabilizing arches with continuous superstructures. [illegible] Klimanov. Trudy Ural. politekh. inst. no. 10 [illegible] '61.

ARCHITECTURE
(see also subdivision under Germany, East; Kolkhozy; Leningrad; Pereyaslav-Khmel'nitskiy)

Borisovskii, G.B. [Contemporary building technology and aesthetics] Sovremennaia stroitel'naia tekhnika i estetika. Moskva, Gosstroiizdat, 1963. 157 p.

Decisions of the 22d Congress of the CPSU and challenges for the science of construction and architecture. Izv. ASIA no. 4 3-11 '61.

Large buildings and great tasks; remarks on [illegible] housing construction. K. Zhukov. Nov. mir 39 no. 2 230-238 F '63.

Objective tendencies in the development of the architecture of the capitalist countries. V.I. Baldovnikov. Izv. ASIA no. 4 75-84 '61.

Problems of ideological work of the Architects' Union of the U.S.S.R. G. Shemiakin. Arkhit. SSSR no. [illegible] '63.

Useful and beautiful. G.A. Shemiakin. Kult. i zhizn. 7 no. 10 33-39 '63.

ARCHITECTURE—COMPETITIONS see subdivision under Sofia

ARCHITECTURE—INFORMATION SERVICES
Central Institute of Scientific Information on Building and Architecture, a division of the Academy of Building and Architecture of the U.S.S.R. V.I. Vturin. NTI no 7 7-8 '63.

ARCHITECTURE—STANDARDS
Modular system, unification and standard in architecture. D. Khazanov. Arkhit. SSSR no. 8:20-26 '63.

ARCHITECTURE—STUDY AND TEACHING
(see also subdivision under Siberia, Ural Mountain region)
Improve the training of architectural specialists. I. Nikiforov. Arkhit. SSSR no. 8 11-13 '63.

ARCHITECTURE AND CLIMATE
(see also subdivision under Far East; Russia, Northern)
Climatology and its significance in the construction industry. A.V. Stotsenko. Sbor. nauch. rab. DVNIIS no. 1:37-44 '61.

ARCHIVES
(see also subdivision under Leningrad, Moldavia; Siberia, Soviet Central Asia)
Basic rules for organizing the documentary part of the clerical work of archives, organizations, and enterprises of the U.S.S.R. A.S. Malitikov. Vop. arkh. 8 no. 2:102-104 Ap-Je '63.
Collecting documents from private sources is every archivist's task. Z.A. Zhuravleva. Vop. arkh. 8 no. 2, 43-49 Ap-Je '63.
Cost accounting and acquisitions in State archives. F.I. Sharonov. Vop. arkh. 8 no. 2,61-65 Ap-Je '63.
Exhibitions in our archives. O.F. Nikitina. Vop. arkh. 8 no. 2,71-74 Ap-Je '63.
News. Vop. arkh. 8 no. 2,125-132 Ap-Je '63.
Problems in acquiring documentary materials for the Central State Archives of the R.S.F.S.R. A.N. Gavrilov, V.N. Korlov. Vop. arkh. 8 no. 2 38-42 Ap-Je '63.
Problems in the development of the theory of Soviet archival science. Vop. arkh. 8 no. 2 3-12 Ap-Je '63.
The use of registration cards in archives of institutions. B.I. Solt'skii, A.N. Sokova. Vop. arkh. 8 no. 2:43-47 Ap-Je '63.
The work of the Central State Archives of Military History in using documentary materials; present state and future development. E.P. Voronin, I.S. Nasin. Vop. arkh. 8 no. 2 25-30 Ap-Je '63.

ARCHIVES—CONGRESSES
Conference of the Students' Society of the Moscow State Historical and Archival Institute. IU.IA. Rybakov. Vop. arkh. 8 no. 2 77-78 Ap-Je '63.

ARCHIVISTS
Improving the qualifications of clerical workers in State organs. IA.Z. Livshits. Vop. arkh. 8 no. 2 75-77 Ap-Je '63.

ARCTIC OCEAN—HYDROGRAPHIC SURVEYING
Fiftieth work anniversary of the hydrographic expedition of the ships "Taymyr" and "Vaygach" in the Arctic Ocean (1910-1915). N.I. Evgenov, V.N. Kupetskii. Okeanologiia 1 no. 3:571-574 '61.

ARCTIC OCEAN—ICE—MEASUREMENT
Modern physical methods for measuring the thickness of sea ice. V.V. Bogorodskii. Okeanologiia 3 no. 4:720-730 '63.

ARCTIC OCEAN—SEA ICE
Variations in the speed of ice drift in the Arctic Ocean. V.S. Antonov. Okeanologiia 1 no 3 418-425 '61.

ARCTIC REGIONS—AMERICAN EXPLORATION
Voyage of the icebreaker "Atka" in the Arctic waters. I.V. Farangolits. Okeanologiia 3 no. 5 943 '63.

ARCTIC REGIONS—CLIMATE
Gavrilova, M.K. [Radiation climate of the Arctic] Radiatsionnyi klimat Arktiki. Pod red. M.I. Budyko. Leningrad, Gidrometeoizdat, 1963 225 p.

ARCTIC REGIONS—OCEAN CURRENTS
Flow of the Atlantic water and heat into the Arctic Basin. V.T. Timofeev. Okeanologiia 1 no 3:407-411 '61.
Variations in the speed of ice drift in the Arctic Ocean. V.S. Antonov. Okeanologiia 1 no 3:418-425 '61.

ARCTIC REGIONS—OCEAN TEMPERATURE
Effect of the Atlantic Ocean waters on some characteristics of hydrological conditions in the Arctic Basin and adjacent seas. V.V. Panov, A.O. Shpaikher. Okeanologiia 3 no. 4:579-590 '63.

ARCTIC REGIONS—RADIATION
Gavrilova, M.K. [Radiation climate of the Arctic] Radiatsionnyi klimat Arktiki. Pod red. M.I. Budyko. Leningrad, Gidrometeoizdat, 1963. 226 p.

ARCTIC REGIONS—SOLDIERS
Warm heart. G. Belianin. Sov. voin 45 no. 20:36-40 O '63.

ARGENTINA—FOREIGN RELATIONS
A step toward a new policy. L. Kamynin. Mezhdunar. zhizn' 10 no. 12 105-106 D '63.

ARGENTINA—MOTION-PICTURE PLAYS
New films and new names. Martinez Suarez. Isk. kino 33 no 7:131-133 '63.

ARGENTINA—ORTHODOX EASTERN CHURCH
News from the Argentinian diocese. Zhur. Mosk. Patr. no. 8:19-20 Ag '63.

ARGENTINA—POLITICS AND GOVERNMENT
A step toward a new policy. L. Kamynin. Mezhdunar. zhizn' 10 no. 12 105-106 D '63.

ARGENTINA—STRIKES AND LOCKOUTS
Argentina. Week of protest against reaction. Rubens Iscaro. Vsem. prof. dvizh. no. 10 4-8 O '63.

ARGENTINA—TRADE UNIONS
Argentina. Week of protest against reaction. Rubens Iscaro. Vsem. prof. dvizh. no. 10. 4-8 O '63.

ARGUN VALLEY (TRANSBAIKALIA)—LEAD DEPOSITS
Brief characterization of the complex metal belt in the Argun Valley. E.A. Radkevich. Trudy IGEM no. 83 31-36 '63.

ARGUN VALLEY (TRANSBAIKALIA)—LEAD ORES
Geologic structures of lead-zinc deposits in the Argun ore belt. F.I. Vol'fson. Trudy IGEM no. 83,541-550 '63.
Geology of the Bazanovo-Akatuy ore region. N.V. Gorlov. Trudy IGEM no. 83:39-47 '63.
Geology of the Yavlenka ore field. N.A. Chitaeva. Trudy IGEM no. 83:202-237 '63.
Ivanovskoye lead-zinc deposit. K.F. Kuznetsov. Trudy IGEM no. 83 340-358 '63.
Lead-zinc deposits of the Kadaya ore field. O.P. Poliakova. Trudy IGEM no. 83,265-318 '63.
Lead-zinc deposits of the Smirnovskoye ore field. N.N. Trofimov, O.N. Poliakova, E.P. Malinovskii. Trudy IGEM no. 83:161-201 '63.
Vozdvizhenka deposit. A.I. Kulagashev. Trudy IGEM no. 83:359-368 '63.

ARGUN VALLEY (TRANSBAIKALIA)—ORE DEPOSITS
Deposits of the Gorno-Zerentuy ore zone. K.D. Sholkin, L.N. Lenok. Trudy IGEM no. 83:392-404 '63.
Geological characteristics of the complex metal zone in the Argun Valley. V.N. Kozerenko. Trudy IGEM no. 83:7-30 '63.
Geology of the Akatuy ore. D.B. Pilgina. Trudy IGEM no. 83 48-64 '63.
Geology of the deposits of the Pokrovsko-Gurulevskoye ore field. I.R. Zavorotnykh, V.N. Titov. Trudy IGEM no. 83 238-264 '63.
Shirokinskoye ore field. M.R. Dudin, N.N. Morozova, B.V. Gribanov. Trudy IGEM no. 83 105-130 '63.

ARGUN VALLEY (TRANSBAIKALIA)—ZINC ORES
Brief characterization of the complex metal belt in the Argun Valley. E.A. Radkevich. Trudy IGEM no. 83 31-36 '63.
Geologic structures of lead-zinc deposits in the Argun ore belt. F.I. Vol'fson. Trudy IGEM no. 83,541-550 '63.
Geology of the Bazanovo-Akatuy ore region. N.V. Gorlov. Trudy IGEM no. 83:39-47 '63.
Geology of the Yavlenka ore field. N.A. Chitaeva. Trudy IGEM no. 83:202-237 '63.
Ivanovskoye lead-zinc deposit. K.F. Kuznetsov. Trudy IGEM no. 83:340-358 '63.
Lead-zinc deposits of the Kadaya ore field. O.P. Poliakova. Trudy IGEM no. 83:265-318 '63.
Lead-zinc deposits of the Smirnovskoye ore field. N.N. Trofimov, O.N. Poliakova, E.P. Malinovskii. Trudy IGEM no. 83 161-201 '63.
Vozdvizhenka deposit. A.I. Kulagashev. Trudy IGEM no. 83 359-368 '63.

ARGUNOV, IVAN PETROVICH, 1727-1797
Self-portrait by Ivan Argunov. T. Selinova. Iskusstvo 26 no. 10,65-70 '63.

ARID REGIONS
Aridity of the western coasts of continents in tropical and subtropical latitudes. A.K. Artanova. Vest. Mosk. un. Ser. 5: Geog. 18 no. 5:75-78 S-O '63.

ARITHMETIC—STUDY AND TEACHING
Linking the teaching of arithmetic and geography in the 5th grade. O.Z. Zikrin. Mat. v shkole no. 5 42-44 S-O '63.
Teaching arithmetic in the fourth grade. N.A. Dubenko. Rad. shk. 42 no. 10:87-90 O '63.
They became interested in the article. B.N. Druz'. Rad. shk. 42 no. 10:84 O '63.

ARMED FORCES see subdivision under Russia, United States

ARMENIA—AUTOMOBILE RACING
There is such a track. M. Tikovich. Za rul. 21 no 8: 20-21 Ag '63.
We are responsible for everything. A. Agabalov. Za rul. 21 no 8 11 Ag '63.

ARMENIA—DAIRY INDUSTRY
Erivan. Vystavka dostizhenii narodnogo khoziaistva Armianskoi SSR. [Dairy industry of the Armenian S.S.R. during the last forty years] Molochnaia promyshlennost' Armianskoi SSR za 40 let. [Erevan] Armianskaia SSR Sovet narodnogo khoziaistva, 1961. 17 p.
[MICROFILM]

ARMENIA—HISTORY
Suklasian, A.G. [Sociopolitical system and law of Armenia in the period of early feudalism, from the third through the ninth century A.D.] Obshchestvenno-politicheskii stroi i pravo Armenii v epokhu rannego feodalizma; III-IX vv. n.e. Erevan, Izd-vo Erevanskogo gos. univ. 1963. 522 p.

ARMENIA—LAW—HISTORY AND CRITICISM
Suklasian, A.G. [Sociopolitical system and law of Armenia in the period of early feudalism, from the third through the ninth century A.D.] Obshchestvenno-politicheskii stroi i pravo Armenii v epokhu rannego feodalizma, III-IX vv. n.e. Erevan, Izd-vo Erevanskogo gos. univ. 1963. 522 p.

ARMENIA—NEPHELINE SYENITE
Stone of all stones. R. Podol'nyi. Znan.-sila 38 no. 5 34-36 My '63.

ARMENIA—NIGHTINGALES
Ecology of the nightingale Luscinia gutturalis Guci. in the Armenian S.S.R. M.S. Adamian. Izv. AN Arm. SSR. Biol. nauki 16 no. 7,69-63 Jl '63.

ARMENIA—PEAT—MICROBIOLOGY
Survival of facultative pathogenic and pathogenic bacteria in some peats of Armenia. S.S. Aleksandrian. Izv. AN Arm. SSR. Biol. nauki 16 no. 7 27-34 Jl '63.

ARMENIA—RETAIL TRADE
There is no time to be lost. G. Shevtiakov. Sov. potreb. koop. 7 no. 8:26-27 Ag '63.

ARMENIA—ROCKS, IGNEOUS—ANALYSIS
Correlation of the chemism of igneous rocks of various facies in the Armenian S.S.R. S.I. Balasanian. Dokl. AN Arm. SSR 37 no. 1 29-31 '63.

ARMENIA—PYRITES
Genesis of the pyrite deposits of the Armenian S.S.R. A.G. Kazarian, G.G. Shekhian. Dokl. AN Arm. SSR 37 no. 1:21-23 '63.

ARMENIA—VITICULTURE
Effect of leaving grapevines uncovered in winter on the carbohydrate metabolism in grape shoots. B.L. Afrikian, S.A. Marutian, Zh.A. Petrosian. Izv. AN Arm. SSR. Biol. nauki 16 no. 7:41-46 Jl '63.

ARMIES see subdivision 'Army' under Bulgaria; Poland; Russia

ARMS AND ARMOR, PRIMITIVE see subdivision under Kashka-Darya Valley

AROMATIC COMPOUNDS
Acylation of aromatic compounds. Part 7: Benzoylation, caproylation, and acetylation of 2-methoxynaphthalene. I.N. Zemzina, I.P. Tsukervanik. Zhur. ob khim. 33 no. 8:2605-2609 Ag '63.
Aromatic compounds. Z.N. Parnes. Priroda 52 no. 9: 45-49 '63.
Catalytic synthesis of benzonitrile by means of the oxidative ammonolysis of aromatic compounds. A.D. Kagarlitskii and others. Zhur. prikl. khim. 36 no. 8, 1848-1852 Ag '63.

ARREST see subdivision under Germany, West

ARRHYTHMIA
Role of monoamine oxidase inhibition in the antiarrhythmic effect of iprazid. N.K. Popova, R.IU. Dluzhenok, V.S. Sergievskii. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2:121-123 '63.

ARROWHEADS see subdivision under Kazakh region (Azerbaijan)

ARSENIC
(see also subdivision under Transbaikalia)
Composition of arsenic compounds in Kerch ores. V.V. Gusev. Dokl. AN SSSR 152 no. 2:426-429 S '63

ARSENIC—ANALYSIS
Extraction-photometric determination of trace amounts of arsenic. L.B. Kristaleva, P.V. Kristalev. Trudy Kom. anal. khim. 14:278-280 '63.

ART
(see also subdivision under Ghana)
Brief notes. Iskusstvo 26 no.6:78-80 '63.
Brief notes. Iskusstvo 26 no.8:77-80 '63.
Brief notes. Iskusstvo 26 no.9:78-80 '63.
Brief notes. Iskusstvo 26 no.10:77-80 '63.
Friendship with life. Galina Kushnerovskaia. Sov. Soiuz no.10:20-23 '63.
Moscow. Institut istorii iskusstv. [Contemporaneity and aspects of art] Vidy iskusstva i sovremennost' Moskva, Iskusstvo, 1962. 198 p. illus. (Its Voprosy estetiki, no.5)
(MH)
On revisionism in literature and art. M.S. Grigor'ev. Uch. zap. Tash. teatr. -khud. inst. no.5:3-26 '62

ART—CONGRESSES
Consolidate the creative forces of Soviet fine arts on the basis of firm principles of socialist realism! Iskusstvo 26 no.6:2-16 '63.
Resolution of the Second All-Union Congress of Artists. Iskusstvo 26 no.6:16-18 '63.

ART—DICTIONARIES
Art of the countries and peoples of the world. N. Nadzhafov. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no.4:119-122 '63.
[Concise encyclopedia of art. Art of countries and peoples the world over. Architecture, painting, sculpture, graphic arts, decorative art] Kratkaia khudozhestvennaia entsiklopediia. Iskusstvo stran i narodov mira. Arkhitektura, zhivopis', skul'ptura, grafika, dekorativnoe iskusstvo. Red. kollegiia N.V. Baranov i dr. Moskva, Gos. nauchn. izd-vo "Sovetskaia entsiklopediia," Vol.1 [Australia - Egypt] Avstraliia - Egipet 1962. 694 p. (Entsiklopedii, slovari, spravochniki)

ART—EXHIBITIONS
(see also subdivision under Altai Territory, Moscow)
Heroic deeds of our time, the romance of the future. K. Lemeshko. Ukraina no.21:16 N '61.

ART—PERIODICALS
Looking over foreign periodicals.... Iskusstvo 26 no.6:71-78 '63.
Looking over foreign periodicals.... Iskusstvo 26 no.8:73-76 '63.
Looking over foreign periodicals.... Iskusstvo 26 no.9:73-77 '63.
Looking over foreign periodicals.... Iskusstvo 26 no.10:74-76 '63.

ART—PHILOSOPHY
[For high principles in literature and art, according to materials from the foreign press] Za vysokuiu ideinost' v literature i iskusstve, po materialam, zarubezhnoi pechati. Moskva, Izd-vo inostr. lit-ry, 1963. 527 p.
Is art a language? A. Kondratov. Znan.-sila 38 no.5:1-4 My '63.
Reliable compass. Iu. Zubov. Bibliotekar' no.9:4-6 S '63.

ART—SOCIETIES, ETC
Administrative Board of the Union of Artists of the U.S.S.R. Iskusstvo 26 no.6:18 '63.
Plenum of the Administrative Board of the Union of Artists of the U.S.S.R. Iskusstvo 26 no.8:18 '63.

ART—TECHNIQUE
"School of fine arts" and amateur artists. T. Belitskaia. Iskusstvo 26 no.8:65-70 '63.

ART, ABSTRACT
"Abstract art for abstract people." A. Malov. Az. i Afr. seg. no.11:38 N '63.
Trampled flowers. M. Iordatii. Mysletstvo 10 no.3:12-13 My-Je '63.

ART, AFGHAN
Pugachenkova, G.A. [Art of Afghanistan; three studies] Iskusstvo Afganistana; tri etiuda. Moskva, Iskusstvo, 1963. 246 p.

ART, AFRICAN
Lebedev, Iu. [The art of tropical West Africa] Iskusstvo Zapadnoi tropicheskoi Afriki. Moskva, Izogiz, 1962. xiii, 24 p. of illus.
(IEN)

ART, AZERBAIJANI—EXHIBITIONS see subdivision under Baku

ART, BULGARIAN
Thoughts about contemporary Bulgarian art. A. Bozhkov. Iskusstvo 26 no.8:47-52 '63.

ART, GEORGIAN
Amiranashvili, Sh.IA. [History of Georgian art] Istoriia gruzinskogo iskusstva. Moskva, Izd-vo Iskusstvo, 1963. 450 p. illus.

ART, GERMAN
Artists from Halle. Nikita Voronov. Iskusstvo 26 no.8:43-46 '63.

ART, GREEK
Moscow. Gosudarstvennyi muzei izobrazitel'nykh iskusstv. [The art of antiquity; a catalogue] Antichnoe iskusstvo, katalog. Moskva, Izd-vo "Iskusstvo," 1963. 169 p. illus.

ART, INDIC
Galerkina, O.I., and T.L. Bogdanov. [Indic art, the ancient period and Middle Ages] Iskusstvo Indii, v drevnosti i srednie veka. Moskva, Izd-vo Akad. nauk khudozhestv. SSSR, 1963. 66 p. illus. (Bibliotchka po izobrazitel'nomu iskusstvu dlia studentov universitetov kul'tury, khudozhestvennoi samodeiatel'nosti i shkol'nykh bibliotek)

ART, ITALIAN
Abdullaev, M.G. [With the eyes of a Baku resident; travel notes] Glazami bakintsa; puteviye zametki. Baku, Azerbaidzhanskoe izd-vo detskoi i iunosheskoi lit-ry, 1962. 138 p. illus.
(MH)

ART, KARELIAN
First book about Karelian art. E. Kiuru. Iskusstvo 26 no.9:69-71 '63.

ART, ROMAN
Moscow. Gosudarstvennyi muzei izobrazitel'nykh iskusstv. [The art of antiquity, a catalogue] Antichnoe iskusstvo; katalog. Moskva, Izd-vo "Iskusstvo," 1963. 169 p. illus.

ART, RUSSIAN see subdivision under Uzbekistan

ART, SLOVAK
The Slovak Uprising of 1944 in fine arts. Liudmila Peterafova. Iskusstvo 26 no.10:51 '63.

ART, UKRAINIAN
Kuril'tseva, V.V. [Artists of the Soviet Ukraine; painting, sculpture, and drawing] Khudozhniki Sovetskoi Ukrainy, zhivopis', skul'ptura, grafika. [Moskva, Sovetskii khudozhnik, 1962] [4] l. plates in portfolio
(MIU)

ART, UZBEK
The great mission of artists and writers. Andrei Ivanov. Part. zhizn' [Uzb.] 6 no.2:15-20 F '63.
Our teachers and brothers. R. Akhmedov. Komm. Uz. 35 no.10:62-63 O '63.

ART AND LITERATURE
Their pens and brushes. M. Kolobkova. Ukraina no.21:20 N '61.

ART AND RELIGION
IAkovlev, E.G. [Aesthetic perception and religion] Esteticheskoe poznanie i religiia. Moskva, Vysshaia shkola, 1962. 63 p. (Materialy k lektsiiam po filosofii)
(MH)

ART AND SOCIETY
Pavlovskii, B.V. [Prerevolutionary "Pravda" on the fine arts] Dooktiabr'skaia "Pravda" ob izobrazitel'nom iskusstve. Leningrad, Khudozhnik RSFSR, 1962. 90 p. illus.
(NIC)

ART GALLERIES AND MUSEUMS see subdivision under Smolensk; Sverdlovsk

ART INDUSTRIES
(see also subdivision under Ceylon)
Is there an artistic image in applied art? A. Chekalov. Iskusstvo 26 no.5:28-30 '63.

ART METALWORK—EXHIBITIONS see subdivision under Moscow

ART SOCIETIES see subdivision under Poland

ARTEMOVSK—NONFERROUS METALS—METALLURGY
Sharing progressive practices at the "TSvetmet" plant in Artemovsk. I.M. Kiselev. Met. i gornorud. prom. no.4:74-76 Jl-Ag '63.

ARTERIES—DISEASES
Lesion of the lungs in endarteritis obliterans; abstract. L.V. Danovskii. Kaz. med. zhur. no.1:107-108 Ja-F '61.
Some clinical electrocardiographic data on patients with obliterating endarteritis. M.F. Gubkina. Trudy mol. nauch. sotr. MONIKI no.1:174-177 '59.

ARTERIES—RADIOGRAPHY
Clinical use of arteriography. V.G. TSuman. Trudy mol. nauch. sotr. MONIKI no.1:47-49 '59.
New method of arteriography of subclavian and upper extremity arteries. N.A. Mutalibov. Dok. AN Azerb. SSR 18 no.12:75-79 '62.

ARTERIOSCLEROSIS
Collateral blood circulation in the heart in coronary atherosclerosis. K.A. Gornak. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no.1:5-6 '61.
Effect of benzohexonium and dibazol on the development of experimental atherosclerosis in rabbits. N.A. Novikova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no.1:20-21 '61.
Effect of diets of different qualitative composition on the clinical course of disease and lipid metabolism in patients with coronary atherosclerosis [with summary in English]. G.S. Korobkina and others. Vop. pit. 22 no.1:17-22 Ja-F '63

ARTESIAN WELLS see subdivision under Moldavia

ARTHRITIS, RHEUMATOID
Elastotonometric examinations in Ulov disease. A.F. Sheyalev, IA.E. Belovodskaia. Uch. zap. UF IGB 8:91-95 '62.

ARTIFICIAL INSEMINATION
Ozhin, F.V. [Artificial insemination of sheep] Iskusstvennoe osemenenie ovets. Moskva, Izd-vo M-va sel'. khoz. RSFSR, 1962. 106 p.
(DNAL)

ARTIFICIAL INSEMINATION—EQUIPMENT AND SUPPLIES
Electrically heated artificial vagina for bulls. V.V. Petropavlovskii, N.A. Chaboyskaia. Trudy Ul'ian. sel'khoz. inst. 8 no.2:89-93 '61.
Mobile laboratory for the artificial insemination of farm animals. V.V. Petropavlovskii. Trudy Ul'ian. sel'khoz. inst. 8 no.2:199-209 '61.

ARTIFICIAL KIDNEY
Artificial kidney. Eleanora Harbunova. Rab. i stial. 3:22 no.9 S '63.

ARTIFICIAL RESPIRATION
Change in the gases of the blood in an apparatus treatment of patients with respiratory disorders. V.I. Dubrovskaia. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no.1:67-68 '61.
Use of artificial ventilation of the lungs in treating asphyxia of newborn infants. T.N. Grozdova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no.1:50-51 '61.

ARTIFICIAL SATELLITES
Free fall of a material point in an artificial satellite cabin. A.I. Lur'e. Prikl. mat. i mekh. 27 no.1:3-9 Ja-F '63.

ARTIFICIAL SATELLITES—RADIO OBSERVATION
Results of radio observations from the artificial satellites "Kosmos 1" and "Kosmos 2" in the Crimea. N.A. Mitiakov, E.E. Mitiakova, V.A. Cherepovitskii. Geomag. i aer. 3 no.5:816-822 S-O '63.
Methodology of studying the ionospheric structure by way of ground reception of radio signals from artificial satellites. N.A. Mitiakov, E.E. Mitiakova. Geomag. i aer. 3 no.5:858-867 S-O '63.

ARTILLERY
Combat of artillery with antitank weapons. A. Mel'nik. Voen. vest. 41 no.1:32-34 Ja '62.
Consultations on artillery fire. Voen. vest. 43 no.7:108-109 Jl '63.
Equipment familiarization training for cadets. N. Redin, G. Pereborskii. Voen. vest. 41 no.11:70-72 N '61.
Operation and maintenance of weapons in winter. V. Antropov. Voen. vest. 41 no.1:111-112 Ja '62.

ARTILLERY, FIELD AND MOUNTAIN
Battery of 85mm. guns in attack. N. Medvedev. Voen. vest. 41 no.11:41-45 N '61.
Calculation of the angle of the datum mark. E. Zhigur. Voen. vest. 41 no.1:73-74 Ja '62.
Characteristics of the firing tables for mountain guns. G. Aivazov. Voen. vest. 41 no.1:74-75 Ja '62.
Forced march of a division. V. Derkach. Voen. vest. 41 no.11:74-77 N '61.
How to train in firing by direct laying. I. Bazeov. Voen. vest. 41 no.1:70-72 Ja '62.
Pay more attention to firing from direct laying. K. Savchenko. Voen. vest. 41 no.11:108-110 N '61.

ARTILLERY DRILL AND TACTICS
Complex exercise of an artillery battery. V. IAroslavov. Voen. vest. 43 no.7:77-80 Jl '63.
Organization of combined observation in a division. I. Lange. Voen. vest. 43 no.7:80-81 Jl '63.
Role and tasks of artillery reconnaissance. A. Pikin. Voen. vest. 43 no.7:48-48 Jl '63.

ARTISTS see subdivision under Moscow

ARTISTS, ESTONIAN
Eesti NSV Kunstnikud Suures Isamaasojas, 1941-1945. [Artists of the Estonian S.S.R. during the Great Patriotic War, 1941-1945] Khudozhniki Estonskoi SSR v Velikoi Otechestvennoi voine, 1941-1945. Tallinn, Eesti NSV Kunst, 1963. 247 p. [Text in Estonian and Russian]

ARTISTS, UKRAINIAN
In artists' studios. Mysletstvo 10 no.3:24 My-Je '63.

ASBESTOS

Dependence of the permeability of an asbestos diaphragm on the pressure in the absence of an electric current. I. I. Krishtalik. Zhur. prikl. khim. 36 no. 8:1776-1782 Ag '63.

Determining and calculating technological indices in long-staple asbestos ore dressing. M. B. Shchedrin-skii, I. P. Sidenko. Nauch. trudy VNIIasbest no. 3:3-41 '62.

Beneficiation output of ore-dressing plants for the treatment of asbestos ores. M. A. Belov. Nauch. trudy VNIIasbest no. 3:41-47 '62.

ASBESTOS—ANALYSIS

Physicochemical investigation of asbestos from various deposits. N. I. Tokar', L. K. Abend, E. P. Krainova. Nauch. trudy VNIIasbest no. 3:62-103 '62.

ASBESTOS—DRYING

Effect of dehydration on the properties of chrysotile asbestos. A. S. Ognev. Nauch. trudy VNIIasbest no. 3:51-61 '62.

ASBESTOS—TESTING

Equipment for the automatic assaying for moisture of asbestos ores following their drying. T. M. Pogadaeva, E. I. Argunov. Nauch. trudy VNIIasbest no. 3:104-110 '62.

Making use of fiber fluffing as a method of studying the physicomechanical properties of chrysotile asbestos. A. S. Ognev. Nauch. trudy VNIIasbest no. 3:47-56 '62.

ASBESTOS CEMENT

Three research institutes. Biul. stroi. tekh. 20 no. 8:34-37 Ag '63.

ASCARIDS AND ASCARIASIS

Toxascariasis in cattle. TS. P. Balabekian. Veterinariia 37 no. 2:27-28 F '60.

Testing sanophen in ascariasis. T. E. Burdelev. Dokl. TSKHA no. 69:271-274 '61.

Testing sodium fluoride in ascariasis. T. E. Burdelov. Dokl. TSKHA no. 69:275-276 '61.

ASCORBIC ACID

Ascorbic acid and glutathione content in the organism of Musca domestica L. in different stages of oogenesis. V. P. Drobozina. Nauch. dokl. vys. shkoly, biol. nauki no. 4:39-42 '63.

Changes in vitamin C content occurring during the processing and aging of cheese. S. S. Bogatikova. Sbor. stud. rab. MTIMMP no. 7:31-33 '62.

Changes in vitamin C content of milk occurring during storage under various conditions. E. S. Fomicheva. Sbor. stud. rab. MTIMMP no. 7 28-30 '62.

Content of ascorbic acid and its components in gastric juice and plasma in case of peptic ulcers and stomach cancer [with summary in English]. I. T. Abasov, S. B. Tagi-Zade. Vop. pit. 22 no. 1:72-74 Ja-F '63.

Content of vitamin C in onions of the Romanovskii and Misterskii varieties. S. N. Maiorov. Vop. pit. 22 no. 1:89-90 Ja-F '63.

Detection of ascorbic acid in the cells of rheumatic granuloma. R. A. Simakova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:10 '61.

Effect of the ascorbic acid on the quality and stability of table wines. V. M. Loza, I. B. Platonov. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:65-68 '63.

Effect of noise on vitamin C metabolism in experimental animals [with summary in English]. A. IA. TSeitina, S. A. Lapina, A. A. Arkad'evskii. Vop. pit. 22 no. 1:78-83 Ja-F '63.

Interaction of certain microelements (manganese, molybdenum, cobalt) and ascorbic acid in the organism of albino rats [with summary in English]. A. M. Birenbaum. Ukr. biokhim. zhur. 34 no. 2:253-261 '62.

Interrelations between ascorbic acid, proline and oxyproline in the metabolic processes of the connective tissue in children. S. D. Perova, A. A. Tutaev. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:46-47 '61.

Study of the effect of increased physical stress on the level of ascorbic acid excreted with the morning urine on an empty stomach [with summary in English]. V. M. Selivanova. Vop. pit. 22 no. 1:75-77 Ja-F '63.

Therapeutic and prophylactic nutrition at fluorine production plants [with summary in English]. R. D. Gabovich, P. N. Maistruk. Vop. pit. 22 no. 1:32-38 Ja-F '63.

Vitamin C activity in commercial vegetable products. T. P. Chelka. Vop. pit. 22 no. 1:91-92 Ja-F '63.

Vitamin C nutrition for boarding school students in Donetsk. N. A. Al'terman. Vop. pit. 22 no. 1:93-94 Ja-F '63.

ASH (TECHNOLOGY)

Utilization of the ashes of heat and electric power plants and metallurgical slag in Kuznetsk Basin construction. N. I. Fedynin. Stroi. mat. 9 no. 7:2-3 Jl '63.

ASH DISPOSAL

Motion of solid particles in channels between the blades of a turbocyclone ash remover [with summary in English]. A. M. Rokhdestvenskii. Inzh.-fiz. zhur. 6 no. 11:112-118 N '63.

ASIA—BIBLIOGRAPHY

[New Soviet and foreign literature on the countries of the non-Soviet East] Nov. sov. i inostr. lit. po stran. zarub. Vost. no. 9 '63.

ASIA—FOREIGN ECONOMIC RELATIONS—AUSTRALIA

Development of economic relations between Australia and the countries of southeastern Asia and the Far East. V. V. Lopatov. Krat. soob. Inst. nar. Az. no. 56:83-95 '63.

ASIA—FOUNDATIONS

Second Asiatic Regional Conference on soil mechanics and foundation construction in Tokyo. Osn., fund. i mekh. grun. 5 no. 4:30-31 '63.

ASIA—GEOLOGY, STRUCTURAL

Special type of structures in the eastern part of Asia; Diwa, the third principal structural element of the continental crust. V. L. Masaitis, IU. G. Staritskii. Trudy VSEGEI 85:63-69 '63.

ASIA—HISTORY

Asia and Africa in volume 9 of "World history." A. N. Kheifets. Nar. Az. i Afr. no. 5:185-189 '63.

ASIA—LABOR AND LABORING CLASSES

Iskenderov, A. A., Kiselev, V. I., and IU. N. Rozaliev. [Labor movement in Asia and Africa] Rabochee dvizhenie v Azii i Afrike. Moskva, Izd-vo "Znanie," 1963. 32 p. (Novoe v zhizni, nauke, tekhnike. I Seriia: Istoriia, no. 18)

ASIA—POLITICS

Leninist alliance of world socialism with the national liberation movement [with summary in English, p. 256]. V. I. Pavlov, I. B. Red'ko. Nar. Az. i Afr. no. 5:10-21 '63.

ASIA—SOIL MECHANICS—CONGRESSES

Second Asiatic Regional Conference on soil mechanics and foundation construction in Tokyo. Osn., fund. i mekh. grun. 5 no. 4:30-31 '63.

ASIA—STATISTICS—CONGRESSES

The fifth session of the Conference of Asian Statisticians. L. V. Vest. stat. no. 9:71-73 '63.

ASIA, CENTRAL

Giving a special course on the sources for the history of Central Asia. G. N. Chabrov. Vop. arkh. 8 no. 2:69-71 Ap-Je '63.

ASIA, CENTRAL—PALEONTOLOGY

From the history of studying fossil animals in Central Asia. Dovchin. Sovr. Mong. 8 no. 6:18-19 Jl [i.e. Je] '63.

ASIA, CENTRAL—RIGHT OF PROPERTY

Problem of landed property rights in the Orient. U. M. Akhmedzhanov. Vest. Mosk. un. Ser. 10: Pravo 10 no. 4:29-37 O-D '63.

ASIA, CENTRAL—STONE AGE

Archaeological research in Mongolia during the years 1961-1962; a brief review of the results achieved by the Soviet-Mongolian Expedition for Study of the Stone Age in Central Asia. A. P. Okladnikov, V. E. Larichev. Izv. SO AN SSSR no. 1, Ser. obshchestv. nauk no. 1:78-89 '63.

ASIA, SOUTHEASTERN—ECONOMIC ASSISTANCE

"Colombo Plan" and the problems of Afro-Asian economic cooperation. S. A. Kuz'min. Krat. soob. Inst. nar. Az. no. 56:75-82 '63.

ASIA, SOUTHEASTERN—ECONOMIC ASSISTANCE, RUSSIAN

What is right in Michael Edwards' remarks? A. Galybin. Az. i Afr. segodnia no. 11:61-62 N '63.

ASIA, SOUTHEASTERN—ECONOMIC CONDITIONS

[Economic conditions of the countries of Southeastern Asia in 1961-1962] Ekonomicheskoe polozhenie stran IUgo-Vostochnoi Azii v 1961-1962 gg. Moskva, 1963. 75 p. (Biulleten' inostrannoi kommercheskoi informatsii, prilozhenie, no. 8)

ASIA, SOUTHEASTERN—HISTORY

"New" methodology of the history of Southeastern Asia. V. A. Tiurin. Vop. ist. 38 no. 10:189-190 O '63.

ASIA, SOUTHEASTERN—RELATIONS (MILITARY) WITH UNITED STATES

Maneuvers of American imperialism in Southeastern Asia. S. Nesterov. Mir. ekon. i mezhdunar. otn. no. 10:66-77 '63.

ASIA, SOUTHWESTERN—POLITICS

What is right in Michael Edwards' remarks? A. Galybin. Az. i Afr. segodnia no. 11:61-62 N '63.

ASIA, SOVIET CENTRAL see Soviet Central Asia

ASIA MINOR—HISTORY

"Studies on the sociopolitical history of Asia Minor from the first through the third century, self-governed rural communes" by E. S. Golubtseva. Reviewed by I. M. Shtaerman. Vest. drev. ist. no. 3:154-158 '63.

ASKANIYA-NOVA PRESERVE—OSTRICHES

Salganskii, A. A., and others. [Askaniya-Nova Zoological Garden; acclimatization of ungulates and ostriches] Zoopark "Askaniia-Nova," opyta akklimatizatsii dikikh kopytnykh i strausov. Kiev, Gosset'khozizdat, USSR, 1963. 305 p.

ASKANIYA-NOVA PRESERVE—UNGULATA

Salganskii, A. A., and others. [Askaniya-Nova Zoological Garden, acclimatization of ungulates and ostriches] Zoopark "Askaniia-Nova," opyta akklimatizatsii dikikh kopytnykh i strausov. Kiev, Gosset'khozizdat, USSR, 1963. 305 p.

ASPEN see subdivision under Valdai District

ASPHALT CONCRETE

Improving the quality of sand asphalt concrete with lime. M. A. Golovnia. Avt. dor. 26 no. 10:22-24 O '63.

ASPHYXIA

Blood circulation of the brain following asphyxia in adult animals. B. N. Klosovskii, V. P. Shafranova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:60 '61.

Permeability of the capillaries of the brain at different stages of embryonic development (in health and following suffocation). Z. N. Kiseleva, T. D. Mladkovskaia. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:43-44 '61.

ASPHYXIA NEONATORUM

Use of artificial ventilation of the lungs in treating asphyxia of newborn infants. T. N. Grozdova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:50-51 '61.

ASRATIAN, EZRAS ASRATOVICH, 1903-

Outstanding Soviet physiologist. S. K. Karapetian. Izv. An Arm. SSR. Biol. nauki 16 no. 7:3-10 Jl '63.

ASSEMBLY-LINE METHODS

Completely mechanized loading and unloading system in the distribution department of a bakery. V. N. Mikhailov, V. F. Chumakov. Khleb. i kond. prom. 6 no. 1:28-31 Ja '62.

Operation of the completely mechanized production line for the manufacture of French stick bread at Moscow Bakery No. 15. M. I. Poltorak. Khleb. i kond. prom. 6 no. 1:8-12 Ja '62.

Production line with a flight pusher-bar conveyor for the preparation, dyeing, and drying of small parts. S. I. Borisenko. Lakokras. mat. i ikh prim. no. 4:62-66 '62.

ASTATINE ISOTOPES

Secondary reactions of astatine production in Bi and Pb bombardment by 3-10 Bev. protons [with summary in English]. N. S. Maistseva, V. N. Mekhedov, V. N. Rybakov. Zhur. eksp. i teor. fiz. 45 no. 4:852-856 O '63.

ASTHMA

Lethal outcome in bronchial asthma. N. T. Larchenko, IU. G. IUdin. Trudy mol. nauch. sotr. MONIKI no. 1:178-181 '50.

Pulmonary reflexes in the therapy of bronchial asthma. N. T. Larchenko-Doron. Trudy mol. nauch. sotr. MONIKI no. 1:143-151 '50.

Treatment of bronchial asthma by intratracheal administration of penicillin in a novocaine solution. A. S. Simonenko. Kaz. med. zhur. no. 2:35-36 Mr-Ap '63.

Treatment of bronchial asthma with hormone preparations. Z. Kh. Degtiareva. Kaz. med. zhur. no. 2:33-34 Mr-Ap '63.

ASTRAKHAN PROVINCE—PALYNOLOGY

Results of a palynologic analysis of Quaternary and Upper Pliocene deposits near the village of Zel'ma, Astrakhan Province. V. A. Vronskii. Dokl. AN SSSR 152 no. 4:934-936 O '63.

ASTRONAUTICS

An appeal of the Central Committee of the CPSU, the Presidium of the Supreme Soviet of the U. S. S. R., and the Government of the Soviet Union. Sov. lust. no. 13:1-2 Jl '63.

From one flight to another. Tekh. mol. 30 no. 8:12-13 '62.

Man and the conquest of outer space. Oleksandr Ozypov. Ukraina no. 31:17 N '61.

New achievement in the conquest of outer space. G. I. Pokrovskii. Nov. vrem. 31 no. 45:4-5 N '63.

A new remarkable victory of the Soviet people. Polit. samoobr. 7 no. 7:36-38 Jl '63.

The second joint Soviet flight in outer space. Nar. khoz. Uzb. 5 no. 7:3-4 Jl '63.

Vocations of a jet propeller. IU. Sushkov. Smena 40 no. 19:22 O '63.

To the stars! Uzbekistan 22 no. 7:1 Jl '63.

ASTRONAUTS

[illegible] Yesterday, today and tomorrow of the space [illegible] Yu. A. Gagarin ... [illegible] Ap [illegible]

[illegible] Gagarin and the birth of Soviet cosmonautics [illegible] O '63

ASTRONOMICAL INSTRUMENTS

Photographic field astrometric plate. N. P. Bortsov [illegible] O '63

ASTRONOMICAL INSTRUMENTS—TESTING

Investigation of the characteristics of a solar [illegible] with a diffraction spectrograph. P. P. Dobroserdov, Izv. Glav. astron. observ. v Pulkove no. 24/10 73-80 '63

ASTRONOMICAL MODELS

Conference on the Calculation of Stellar Models, held in Riga. I. B. Pottosin. Vest. AN SSSR 33 no. 10 103-105 O '63

Preliminary information on conditions on the surface of stellar models [with summary in German] G. V. Ruban [illegible] no. 5 dep. 664 S-O '63

Spectral cross section of a meteor track simulated by a point source of ionization. B. L. Kalinin. Geomag. i aer. 3 no. 4 777-781 Jl-Ag '63.

ASTRONOMICAL PHOTOMETRY see Photometry, Astronomical

ASTRONOMICAL REFRACTION see Refraction, Astronomical

ASTRONOMY—ABSTRACTS

[Astronomy] Ref. zhur. Astron. no. 11 N '63

ASTRONOMY—CONGRESSES

Plenum of the Committees of the Astronomical Council. G. A. Shajn, Ye. K. Yerastov, V. N. Zavenov. Vest. AN SSSR 33 no. 10 105-107 O '63

Symposium on Astronomy, held in Paris. N. A. Mikhailov, V. V. Nemirov. Vest. AN SSSR 33 no. 10 73-74 O '63

ASTRONOMY—CURIOSA AND MISCELLANY

Investigations, observations and hypotheses. Priroda Sozuz no. 8 [illegible]

ASTRONOMY—OBSERVER'S MANUALS

Tsesevich, V. P. [How and what to observe in the sky, handbook for the organization and conducting of amateur scientific observations of heavenly bodies] Chto i kak nabliudat' na nebe, rukovodstvo k organizatsii i provedeniiu liubitel'skikh nauchnykh nabliudenii nebesnykh svetil. Izd. 3. Moskva, Fizmatgiz, 1963. 451 p.

ASTROPHYSICS

Importance of atmospheric optics for astrophysics. V. G. Fesenkov. Trudy Astrofiz. inst. AN Kazakh. SSR 3 6-10 '62.

Interstellar radioactivity and its role in astrophysical processes [with summary in English]. V. N. Baier, I. B. Khriplovich. Astron. zhur. 40 no. 5 785-787 S-O '63

Summer school for young astronomers and physicists. Priroda 52 no. 9 111-112 '63.

Twelfth Colloquium on Infrared Spectroscopy of Celestial Bodies. V. K. Prokof'ev, V. M. Sololev. Vest. AN SSSR 33 no. 10 92-93 O '63

ASTURIAS REGION, SPAIN—STRIKES AND LOCKOUTS—MINERS

The miners of Asturias are in the vanguard of the battle again. Robert Hermo. Vsem. prof. dvizh. no. 10 1-2 O '63.

ATATÜRK, KAMÂL, d. 1938

Formation of Kamâl Atatürk's political views (with summary in English, p. 208). A. B. Miller. Nar. Az. i Afr. no. 5 65-85 '63.

ATHEISM

A chrestomathy on atheism. B. Mal'ianov. Nauka i rel. 1 no. 8 89-91 Ag '63.

[In whom do you trust? A selection of anti-religious folklore texts] Kelle peale sa loodad? Valimik usu ja kiriku vastaseid rahvaluuletekste. Tallinn, Eesti Riiklik Kirjastus, 1963. 196 p. [In Estonian]

"Kolokol" sounds the alarm. V. Putintsev. Nauka i rel. no. 2 55-56 F '62

Let the darkness disappear! Emelian Iaroslavskii. Nauka i rel. no. 2 59-63 F '62

ATHEISM—AUDIO-VISUAL AIDS

An artist and atheist. Nauka i rel. 4 no. 8 81-84 Ag '63.

ATHEISM—BIBLIOGRAPHY see Bibliography—Atheism

ATHEISM—PERIODICALS

A predecessor of "Bezbozhnik." V. Shishakov. Nauka i rel. no. 2 90-91 F '62

ATHEISM—STUDY AND TEACHING

Atheistic training of students. I. Suslovskii. Shkola-int. no. 5 11-13 S-O '63.

Every intellectual should be a promoter of atheism. Nauka i rel. no. 2 15-18 F '62

For the new man. L. Shatunova. Bibliotekar' no. 10 41-42 O '63.

How to cope with believers. V. Grazhos. Nauka i rel. 1 no. 8 85-88 Ag '63.

The new stage of atheistic education. IU. Frantsov. Nauka i rel. 1 no. 8 3-5 Ag '63.

Notes of an atheist. V. Glagolev. Nar. obr. no. 10 85-87 O '63

The party program is a guide to action; the 22d Congress of the CPSU and the tasks of atheistic propaganda (to be continued). Nauka i rel. no. 2 3-4 F '62

Such courts are necessary. V. Kurbatova. Bibliotekar' no. 9 59 S '63.

Uncle Ivan. P. Lvin. Nauka i rel. 1 no. 8 69-73 Ag '63.

ATKA ISLAND

(see also subdivision under Kamchatka; Tatar Strait)

Methods of collecting, transporting and completing the incubation of the eggs of the Atka fish [with summary in English]. IU. I. Orlov, L. V. Polikashin. Trudy Inst. okean. 59 183-190 '62

ATLANTIC OCEAN—AERIAL PHOTOGRAMMETRY

Aerial photogrammetric survey of tidal currents in the U. S. A. O. V. Kolimats. Okeanologiia 3 no. 5 942-943 '63.

ATLANTIC OCEAN—MAGNETIC FIELDS

Relation between the magnetic field of the Atlantic Ocean and its floor profile. M. M. Ivanov. Gromag. i aer. 3 no. 4 781-783 Jl-Ag '63

ATLANTIC OCEAN—OCEAN CURRENTS

Aerial photogrammetric survey of tidal currents in the U. S. A. O. V. Kolimats. Okeanologiia 3 no. 5 942-943 '63.

Deep currents in the northern part of the Atlantic Ocean. S. S. Lappo. Okeanologiia 3 no. 5 808-813 '63.

ATLANTIC OCEAN—OCEAN TEMPERATURE

Effect of the Atlantic Ocean waters on some characteristics of hydrological conditions in the Arctic Basin and adjacent seas. V. V. Panov, A. O. Shpaikher. Okeanologiia 3 no. 4 579-590 '63.

ATLANTIC OCEAN—OCEANOGRAPHIC RESEARCH

Second Atlantic Expedition of the Academy of Sciences of the U. S. S. R. of the ships "Sergei Vavilov" and "Petr Lebedev." IU. IU. Zhitkovskii. Okeanologiia 3 no. 4 749-750 '63.

ATLANTIC OCEAN—WAVES

Ocean swell. K. M. Strotov. Okeanologiia 3 no. 4 633-637 '63.

ATLASES, RUSSIAN

Russia (1923- U. S. S. R.) Glavnoe upravlenie geodezii i kartografii. [World atlas] Atlas mira. Moskva, 1962. 128 p. (chiefly col. maps)
(CSt-moR)

ATMOSPHERE

(see also subdivision under Caucasus, Mirnyy region, Antarctica)

Mean vertical cross section of the atmosphere along the latitude circle 55° N. for January. I. M. Moskaleva. Trudy NIIAK no. 9 49-63 '63.

Some results of the statistical processing of the characteristics of zonal atmospheric circulation in the Northern Hemisphere. A. L. Chubukova. Trudy TSIP no. 126 55-99 '63.

Vsesoiuznoe nauchnoe meteorologicheskoe soveshchanie, Leningrad, 1961. [Transactions of the All-Union Scientific Meteorological Conference] Trudy. Leningrad, Gidrometeoizdat.
Vol. 7. [Physics of the surface layer] Fizika prizemnogo sloia. Pod red. D. L. Laikhtmana. 1963. 310 p.

ATMOSPHERE, UPPER

(see also subdivision under Abastumani region)

Absorption of electromagnetic radiation by water vapors on 10μ–2cm waves in the upper atmospheric strata. S. A. Zhevakin, A. P. Naumov. Geomag. i aer. 3 no. 4 666-678 Jl-Ag '63.

I. A. Khvostikov's "Physics of ozonosphere and ionosphere." S. S. Galgerov. Meteor. i gidrol. no. 10 55-56 O '63.

Stratosphere and mesosphere. L. A. Kozakov, V. A. Shtal'. Priroda 52 no. 9 17-21 '63.

ATMOSPHERIC PRESSURE

Practice in numerical forecasting of ground pressure for some days in advance. S. A. Mashkovich, IA. M. Kheifets. Trudy TSIP no. 126 8-19 '63.

Taking into account the diabatic effects in numerical short-range pressure forecasting. S. A. Mashkovich. Trudy TSIP no. 126 38-46 '63.

ATMOSPHERIC TEMPERATURE

(see also subdivision under Amur Province, Barnaul, Nerchinskiy Zavod, Ukraine)

Distribution of temperature over the Northern Hemisphere in the summer. I. V. Khanevskaia. Trudy NIIAK no. 9 3-20 '63.

Effect of temperature stratification on evaporation intensity, turbulent heat exchange, and [illegible] A. R. Konstantinov. Trudy UkrNIGMI no. 31 [illegible]

Energy spectrum of the diurnal variation of [illegible] and the diurnal temperature fluctuations at [illegible] from 20 to 40 km. A. I. Kuz'min and others. [illegible] fact. 3 no. 5 830-834 S-O '63.

Ionizing radiation and the heating up of the upper [illegible] sphere. V. I. Lazarev. Geomag. i aer. 3 no. 5 [illegible] 819 S-O '63.

Methods for compiling maps of the relative [illegible] temperature differences over the Northern Hemisphere. I. M. Moskaleva, I. V. Khanevskaia. Trudy NIIAK 95-99 '63.

Objective criterion for the estimation of the [illegible] of mean monthly temperature over the Northern Hemisphere. Z. D. Pashkova, I. V. Khanevskaia. Trudy NIIAK no. 9 86-94 '63.

Significance of heat and cold advection in the formation of natural zones. S. I. Zhukov. Vest. Mosk. un. Ser. 5 Geog. 18 no. 5 71-72 S-O '63.

Taking into account the effect of diabatic factors in short-range forecasting of geopotential field [illegible] levels of the atmosphere. V. S. Pavlenokii. Trudy no. 126 17-54 '63.

Temperature conditions of a cotton field. I. P. Il'in. Trudy Sred.-Az. nauch. inst. gidrometeor. [illegible] 116-151 '63.

ATMOSPHERIC TRANSPARENCY

(see also subdivision under Alma-Ata region, Kazakhstan; Soviet Central Asia)

Polarization of the sky and atmospheric turbidity [with summary in English]. P. N. Boiko, G. A. Korotonova. Trudy Astrofiz. inst. AN Kazakh. SSR 6 [illegible] 92 '63.

Role of diffuse scattering in measuring the atmospheric transparency [with summary in English]. M. [illegible] nov. Trudy Astrofiz. inst. AN Kazakh. SSR [illegible] '62.

Scattering of light in the atmosphere for an [illegible] underlying surface [with summary in English]. [illegible] Livshits. Trudy Astrofiz. inst. AN Kazakh. SSR [illegible] 113 '63.

Solar radiation of the ideal atmosphere and the [illegible] of the real one. M. S. Averkiev, L. A. Rikhter (Birukova). Vest. Mosk. un. Ser. 5: Geog. 18 [illegible] 14-25 S-O '63.

Special significance of the polarimetric method [illegible] pared to the actinometric and diaphanometric [illegible] in determining and studying the turbidity of the [illegible] sphere [with summary in English]. D. G. Stamov. [illegible] Astrofiz. inst. AN Kazakh. SSR 3:163-170 '63.

Transparency of the atmosphere in the southern part of the Egyptian portion of the U. A. R. (Assuan) and [illegible] some places of the U. S. S. R. [with summary in English]. P. N. Boiko, V. M. Kazachevskii. Trudy Astrofiz. inst. AN Kazakh. SSR 3:171-182 '63.

ATMOSPHERIC TURBULENCE

(see also subdivision under Transbaikalia)

Conditions governing the appearance of sea fog on the coast, reply to O. K. Il'inskii. I. V. Koshelenko. Trudy UkrNIGMI no. 32, 29-33 '62.

Determination of the characteristics of the surface atmospheric turbulence in some layers of the free atmosphere. V. A. Shnaidman. Trudy UkrNIGMI no. 31 [illegible] 59 '62.

Determination of the coefficient of turbulence in the surface layer of the atmosphere. A. V. Tkachenko. Trudy UkrNIGMI no. 31, 36-39 '62.

Determination of the coefficients of turbulent viscosity in the boundary layer of the atmosphere. A. V. Tkachenko. Trudy UkrNIGMI no. 31, 40-47 '63.

Foundations of the semiempirical Prandtl-Kazanskii theory from the view-point of the structure of turbulent diffusion in the atmospheric surface layer. A. R. Konstantinov. Trudy UkrNIGMI no. 31, 3-16 '63.

Turbulent exchange in clouds. M. A. German. Meteor. i gidrol. no. 10, 15-21 O '63.

Turbulent inversion is a result of the mixing of air. N. I. Novozhilov. Meteor. i gidrol. no. 10, 11 [illegible] O '63.

Use of radar stations for the study of the atmospheric turbulence. A. A. Zagoradnikov. Meteor. i gidrol. no. 10, 28-32 O '63.

ATOMIC BOMB—SAFETY MEASURES

Nuclear weapon. N. Ponikarov. Voen. znan. 39 no. 12 23-24 O '63.

ATOMIC BONDS see Binding energy

ATOMIC NUCLEI see Nuclei, Atomic

ATOMIC-POWERED TRANSPORTATION see Transportation, Atomic-powered

ATOMIC SHIPS see subdivision under United States

ATOMIC SUBMARINES see subdivision under United States

ATOMIC WARFARE

Engineer reconnaissance in an area of nuclear contamination. P. Makarov. Voen. vest. 43 no. 7 48-49 Jl '63.

Reconnaissance training in an area of nuclear contamination. I. Kuz'kin. Voen. vest. 43 no. 7 67-71 Jl '63.

ATOMIC WARFARE AND SOCIETY

Man and weapons in modern war. A. Galkin. Mir ekon. i mezhdunar. otn. no. 10:16-26 '63.

ATOMIC WEAPONS see subdivision under France

ATOMIC WEAPONS—INTERNATIONAL CONTROL

Black Reichswehr threatens.... S. Tarov. Sov. voin. 45 no. 21 46 N '63.

False reasons and worthless arguments. Jacque Courtard. Ogonek 41 no. 36.8 S '63.

For the complete end of nuclear tests. Vsem. prof. dvizh. no. 10 2-3 O '63.

In the interests of all nations. Agitator no. 16:7-11 Ag '63.

Notes of an observer. Sov. Soluz no. 9:1, 1 '63.

Readers about books. V. Mitrofanov, A. Samsin, V. Kero... Polit. samoobr. 7 no. 11:130-138 N '63.

Spirit and good will; from the pages of the foreign press. Nov. vrem. 21 no. 41 20-21 O '63.

Space should become a peace zone. Kommentator. Mezhdunar. zhizn' 10 no. 12:58-61 D '63.

The World Federation of Trade Unions welcomes the Moscow Treaty. Vsem. prof. dvizh. no. 10:3 O '63.

ATOMIC WEAPONS—SAFETY MEASURES

After a nuclear attack. V. Nesterov. Voen. vest. 41 no. 11:45-47 N '61.

Cadets negotiate a contaminated sector. A. Vorobiev. Voen. vest. 41 no. 11:68-70 N '61.

ATOMIC WEAPONS—TESTING

Communism means peace. Az. i Afr. segodnia no. 11:9 N '63.

Complete isolation. Mirzo Tursun-zade. Az. i Afr. segodnia no. 11:5-6 N '63.

Fair wind. Nov. vrem. 21 no. 39:1-3 S '63.

Great success of the people of good will. Melor Sturua. Kul't. i zhizn. 7 no. 10:5-7 '63.

The most urgent and important problem of our time. N. Petrov. Komm. Uz. 36 no. 10:36-42 O '63.

ATOMIZATION

Efficiency in the use of mist sprayers. V. V. D'iakov, V. I. Kovalev. Prom. vent. no. 9 125-130 '60.

ATTACK AND DEFENSE (MILITARY SCIENCE)

Actions in approach march formations and in formation as skirmishers. N. Perfilov. Voen. vest. 41 no. 1 51-52 Ja '62.

Attack of a rifle platoon. K. Ageev, N. Buliaev. Voen. vest. 41 no. 1 25-26 Ja '62.

Battery of 85mm. guns in attack. N. Medvedev. Voen. vest. 41 no. 11:41-45 N '61.

Coordinated action is the key to victory. L. Korzun. Voen. vest. 41 no. 11:32-34 N '61.

Discussion of the article by Colonel F. Gavrikov "Defensive operations by rifle units." I. Liutov, M. Vasilenkov, I. Bolgovskii. Voen. vest. 41 no. 1 37-40 Ja '62.

In an advanced detachment (answer to the problem published in No. 9, 1961). Voen. vest. 41 no. 1, 40 Ja '62.

Landing operation with infantry on tanks. S. Pitsura. Voen. vest. 41 no. 1:17-20 Ja '62.

Reconnaissance group on an offensive. S. Ryzhkov. Voen. vest. 43 no. 7 41-43 Jl '63.

Rifle platoon on the attack (tactical and combat exercise). L. Ovtcn. Voen. vest. 41 no. 1 41-44 Ja '62.

Rifle units in attack. G. Isakov, I. Sviriaev. Voen. vest. 41 no. 11 27-31 N '61.

The second echelon joins battle. L. Kozlovskii. Voen. vest. 41 no. 11 38-40 N '61.

AUDIO-VISUAL EDUCATION

What kind of visual aids do the propagandists need. P. Svechnikov. Polit. samoobr. 7 no. 7:115-118 Jl '63.

AUDITING AND INSPECTION
(see also subdivision under Chirchik; Kharkov; Lugansk; Saratov Province)

In the Central Committee of the CPSU and the Council of Ministers of the U.S.S.R. Part. zhizn' [Uzb.] 6 no. 2:9-13 F '63.

Leninist principles of control. E. Denisov. Agitator no. 18:62-63 S '63.

AUDITING AND INSPECTION—BIBLIOGRAPHY see Bibliography—Auditing and inspection

AULIYE-ATA COUNTY—EDUCATION

Early phase of cultural development in a remote county. V. L. Lazarev. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR 17:160-161 '63.

AULIYE-ATA COUNTY—REVOLUTION, 1917-1921

Pages out of the past. G. S. Kalashnikov. Trudy Inst. ist., arkheol. i etn. AN Kazakh SSR 17:158-159 '63.

Who were the members of our county's soviet? P. I. Konshchikhin. Trudy Inst. ist., arkheol. i etn. AN Kazakh SSR 17:158-159 '63.

AUREOMYCIN

Effect of biogenic stimulators on the fattening qualities of swine. M. I. Kuz'min, I. I. Mel'nikov. Trud. Ul'ian. sel'khoz. inst. 8 no. 2, 111-115 '61.

AURORAS
(see also subdivision under Antarctic regions)

Determining the altitude of polar lights from base photographs taken at Tiksi - Muostakh. D. A. Andrienko. Geomag. i aer. 3 no. 4 762-761 Jl-Ag '63.

Properties of corpuscular radiation streams in regions of polar lights. V. I. Pogorelov. Geomag. i aer. 3 no. 4 761-765 Jl-Ag '63.

Some results of visual observations of polar lights in the northern hemisphere during the IGY-IGC. M. I. Feldshtein, N. F. Shevnina. Geomag. i aer. 3 no. 4 679-692 Jl-Ag '63.

AUSTRALIA—COMMERCE

Australian foreign trade at its present stage (with summary in English, p. 72). E. Adov. Vnesh. torg. 43 no. 10 19-22 '63.

AUSTRALIA—COMMUNIST PARTY

Struggle of the Australian Marxists for the creative application of Marxist-Leninist theory and against bourgeois ideology and reformism. L. A. Nechiporenko. Vest. Mosk. un. Ser. 8. Ekon., filos. 18 no. 5 42-51 S-O '63.

AUSTRALIA—ELECTRIC POWER

Galochkin, N. P. [Electric power engineering and power-plant construction in the Commonwealth of Australia] Elektroenergetika i energeticheskoe stroitel'stvo Avstraliiskogo Soiuza. Moskva, Orgenergostroi, 1963. 75 p.

[MICROFILM]

AUSTRALIA—FOREIGN ECONOMIC RELATIONS—ASIA

Development of economic relations between Australia and the countries of southeastern Asia and the Far East. V. V. Lopatov. Krat. soob. Inst. nar. Az. no. 56 83-95 '63.

AUSTRALIA—FOREIGN RELATIONS

Australia: The struggle of the monopolies. E. Vartumian. Mezhdunar. zhizn' 10 no. 12:91-99 D '63.

AUSTRALIA—INVESTMENTS, FOREIGN

Australia: The struggle of the monopolies. E. Vartumian. Mezhdunar. zhizn' 10 no. 12:91-99 D '63.

AUSTRALIA—ROCKETS (ORDNANCE)

Foreign military news. Voen. vest. 41 no. 1:122-123 Ja '62.

AUSTRALIA—SULFUR

Virgin sulfur of Australia. P. M. Murzaev. Priroda 52 no. 9 92-93 '63.

AUSTRALIA—WATER RESOURCES DEVELOPMENT—MAPS

Map of the utilization of the water resources of Australia. A. S. Rozanov. Vest. Mosk. un. Ser. 5. Geog. 18 no. 5, 45-49 S-O '63.

AUSTRIA—COMMUNIST PARTY

Forty-five years of the struggle for the interests of Austrian workers. G. G. Kuranov. Vop. ist. KPSS 7 no. 10:103-107 O '63.

AUSTRIA—TRADE UNIONS

Ardent desire of Austrian workers. Sov. profsoiuzy 19 no. 17 31 S '63.

AUTHORS—CONGRESSES

Forum of the writers of Europe. Sov. Soluz no. 9, 53 '63.

AUTHORS—CORRESPONDENCE, REMINISCENCES, ETC.

Passek, T. P. [From years of long ago; reminiscences] Iz dal'nikh let; vospominaniia. [Moskva] Goslitizdat, (Serila literaturnykh memuarov)
Vols. 1-2. 1963.

AUTHORS, BURMESE

"Abstract art for abstract people." A. Malov. Az. i Afr. segodnia no. 11:30 N '63.

AUTOLYSIS

Development of a destructive autolysislike process in radiation injury [with summary in English]. V. N. Benevolenskii. Trudy MOIP, Otd. biol. 7:108 '63.

Effect of autolytic processes on the electrical parameters of tissues in irradiated animals [with summary in English]. E. V. Burlakova, I. M. Parkhomenko. Trudy MOIP, Otd. biol. 7:113-117 '63.

Studying the autolysis of precipitation yeasts in beer during the secondary fermentation. M. V. Zaznirnaia. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:76-79 '63.

AUTOMATA

Approximate realization of continuous functions by automatic machines. Iu. Ornin. Dokl. AN SSSR 152 no. 4 823-826 O '63.

AUTOMATIC CONTROL

Accurate method for calculating the transients and stability of sampled-data systems with finite data registration time [with summary in English]. I. V. Pyshkin. Avtom. i telem. 24 no. 10 1303-1316 O '63.

Addition to E. I. Gerashchenko's article. S. V. Emel'ianov, V. A. Taran. Izv. AN SSSR. Tekh. kib. no. 4 161 Jl-Ag '63.

Amplitude-frequency transfer function of a relay-type executive mechanism with a motor having independent excitation. V. I. Svetkov. Izv. AN SSSR. Tekh. kib. no. 4 165-170 Jl-Ag '63.

Apparatus for determining and automatically recording the hardening time of resins. V. V. Davydov, I. G. Grankin, D. I. Zhukovin. Nauch. soob. IGD 18 192-196 '63.

Application of the theory of statistical solutions to problems of the evaluation of the parameters of an object [with summary in English]. L. P. Maslov. Avtom. i telem. 24 no. 10, 1338-1350 O '63.

Approximate calculation of high-speed automatic parameter optimizing systems with almost periodic test and search signals. Iu. I. Alimov, V. K. Obabkov. Izv. AN SSSR. Tekh. kib. no. 1 127-139 Jl-Ag '63.

Automatic control of a three-phase arc welding machine. Iu. P. Medvedev, I. P. Nikonov, V. K. Khovanets. Avtom. svar. 16 no. 5, 49-54 My '63.

Automatic control of charging and preheating periods in open-hearth smelting. G. D. Surguchev and others. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:39-44 '63.

Automatic control of the blast furnace process. A. N. Pokhvisnev, L. I. Rozhavskii, N. K. Zhilkin. Stal' 23 no. 10 875-878 O '63.

Automatic control of the conditions of spot welding according to electric parameters. Iu. N. Lankin. Avtom. svar. 16 no. 5:16-19 My '63.

Automatic control of the die stamping of contactors. G. T. Sikun, V. P. Ivashkevich. Kuz.-shtam. proizv. 5 no. 9, 45-47 S '63.

Automatic feeding of the batch into pressing molds. M. N. Babukhin, A. L. Limanskaia. Ogneupory 28 no. 10 452-454 '63.

Automatic installation for the control of the dispatcher's work at a first aid station. I. A. Kolfman, Zdrav. Ros. Feder. 7 no. 10, 22-23 O '63.

Automatically controlled sorting device with a relay channel. A. M. Kiliakov. Les. prom. 10 no. 5:3-5 My '62.

Automation of the control of the diesel generator unit of the TE3 diesel locomotive. G. V. Gladilov. Sbor. nauch. st. KIIIT no. 63 59-65 '62.

Automation of thermal processes in electric power plants. M. M. Lizinskaia. Energetik 11 no. 11, 1-7 N '63.

Best form for bimetallic elements in thermal protection and automatic control apparatus. IA. A. Rips. Elektrichestvo no. 10:75-78 '63.

Committee on fire extinction equipment and automation. Pozh. delo 7 no. 7, 3 of cover Jl '61.

Computing automatic compensator using KSR-Pl crystal triodes. L. IA. Mizuk, V. G. Zubov. Razved. i prom. geofiz. no. 12 41-47 '61.

Conditions for the maximum continuous control of the relationship of the components of minerals. B. S. Kobiakov. Nauch. trudy KHGI 11 52-53 '62.

Control optimization based on maximum amplitude criteria [with summary in English]. I. I. Perel'man. Avtom. i telem. 24 no. 10 1317-1329 O '63.

Damping method and its use in the synthesis of automatic control systems. T. A. Khalilov. Dokl. AN Azerb. SSR 18 no. 12 13-16 '62.

Derivation of the transfer function of an active differentiating element. T. A. Khalilov, N. E. Danilov. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 3:117-120 '63.

Device for automatic stopping of a conveyor. M. M. Pendler. Les. prom. 40 no. 5:19 My '62.

Device for continuous control of the feeding of a bucket conveyor. D. G. Segeda. Trudy VNIIZ no. 14, 115-120 '63.

Diagram for the determination of the mean square error and choice of averaging time of a stationary random process [with summary in English]. V. T. Kondrashikhin. Avtom. i telem. 24 no. 10 1411-1415 O '63.

Dobrynin, E. M., and P'ang Chung-chêng. [Problems of dynamic precision of devices for the automatic checking of dimensions] Voprosy dinamicheskoi tochnosti priborov avtomaticheskogo kontrolia razmerov. Moskva, Mashgiz, 1963. 247 p.

Dynamics of steady conditions of step-by-step control systems. D. S. Borisov. Teor. mash. i mekh. no. 92/93:69-86 '62.

Economic efficiency of the automatic control of open-hearth furnace plants. K. A. Shtets, I. M. Samet, V. N. Chesak. Izv. vys. ucheb. zav., chern. met. 6 no. 8 185-191 '63.

Effect of interference on step-by-step optimalizing systems with sequential analyzers. V. M. Mokhov, V. P. Tarasenko. Izv. AN SSSR Tekh. kib no. 4 115-126 Jl-Ag '63.

Equipment for the automatic control of the operating conditions of an aluminum electrolytic cell. IU I Georgievskii. Met. i gornorud. prom. no. 5 37-41 S-O '63.

Fastest possible extraction of a mapping point beyond the bounds of the given region of the phase plane. A. B Savvin. Izv. AN SSSR. Tekh. kib no. 4 147-156 Jl-Ag '63.

Further development of automatic control systems and the control of welding processes. B. E Paton. Avtom. svar. 16 no. 5, 1-6 My '63.

Geller, Z. I., IU. L. Rastorguev, and P. E. Sudakov [Controlling, measuring, and regulating apparatus used in petroleum refining, instructions for laboratory work] Kontrol'no-izmeritel'nye i regulirulushchie pribory v neftepererabatyvaiushchei promyshlennosti, rukovodstvo k laboratornym rabotam. Leningrad, Gostoptekhizdat, 1963 250 p.

General automatic control of electric filters. M. E. Vdovin. TSement 29 no. 5 17-19 S-O '63.

How to construct electric automatic control networks. L. Levkoev. Tekh. v sel'khoz. 23 no 8:45-49 Ag '63.

Increase in the accuracy of finite control processes. A. I. Potapov. Izv. vys. ucheb. zav.; energ. 6 no 6:84-89 Je '63.

Inertialess diagrams for the automatic control of resistance welding processes. B. E. Paton, V. S. Gavrish, IU. S. Grodetskii. Avtom. svar. 16 no. 5 7-10 My '63.

Instruments and devices for controlling the level of hopper loads. E. L. Kritskii, M. N. Minster. TSement 29 no. 4:1-5 Jl-Ag '63.

Ivakhnenko, A. G. [Self-teaching systems with positive feedback] Samoobuchaiushchiesia sistemy s polozhitel'nymi sviaziami, spravochnoe posobie. Kiev, Izd-vo AN USSR, 1963. 327 p.

Livshits, N. A., and V. N. Pugachev. [Probability theory in the analysis of automatic control systems] Veroiatnostnyi analiz sistem avtomaticheskogo upravleniia. Moskva, Izd-vo "Sovetskoe radio."
Vol. 2. [Nonlinear systems. Discrete systems] Nelinelnye sistemy. Sistemy diskretnogo deistvila. 1963. 482 p.

Means of automatically controlling the density of pulp. V. A. Levidov, M. G. Zavilov. Gor. zhur. no. 10:71 O '63.

Method for analyzing the stability of the oscillations of linear systems with variable parameters. F. A. Mikhailov. Izv. AN SSSR. Tekh. kib. no. 4:171-179 Jl-Ag '63.

Methods for studying relay-type statistical automata in the presence of stochastic disturbances. L. L. Rotkop. Izv. AN SSSR. Tekh. kib. no. 4:107-114 Jl-Ag '63.

Minimal quadratic criterion of the quality of a regulated system. A. I. Lur'e. Izv. AN SSSR. Tekh. kib. no. 4. 140-146 Jl-Ag '63.

Minimization of the time measure of a many-layer cycle. V. A. Zlatitskii. Dokl. AN SSSR 152 no. 6:1329-1330 O '63.

Moscow. Nauchno-tekhnicheskoe obshchestvo radiotekhniki i elektrosviazi. [Cybernetics and electronic computer technology; materials of the 16th Conference of Science and Technology, April 17-21, 1961] Kibernetika i elektronno-vychislitel'naia tekhnika, po materialam XVI Nauchno-Tekhnicheskoi Konferentsii 17-21 aprelia 1961 g. Moskva, Gosenergoizdat, 1963. 137 p. (CSimoR)

Multioperational systems and finite automata. L. I. Feigin. Izv. AN SSSR. Tekh. kib. no. 4:56-59 Jl-Ag '63.

New control devices for underground gasification of coal. E. M. Belianova. Nauch. trudy VNIIPodzemgaza no. 9 98-102 '63.

Numerical calculation of transients in nonlinear systems. I. A. Orurk. Sbor trud LIIZHT no. 179:81-95 '61

On the front line. D. Berkovich. Okhr. truda i sots. strakh. 6 no. 10, 22-23 O '63.

Optimum control of systems with random properties. E. A. Lidskii. Prikl. mat. i mekh 27 no 1:33-45 Ja-F '63.

[Principles of the design of self-teaching systems] Printsipy postroeniia samoobuchaiushchikhsia sistem. Kiev, Gostekhizdat USSR, 1963. 117 p.

Problem of optimization of the control of petroleum refining processes. M. IA. Ginzburg. Khim. i tekh. topl. i masel 8 no. 10:42-48 O '63.

Problem of synthesis of controlled systems (with summary in English). A. V. Gorban'. Avtom. i telem. 24 no. 10:1297-1302 O '63.

Pugachev, V. S., ed. [Principles of automatic control] Osnovy avtomaticheskogo upravleniia. Moskva, Fizmatgiz, 1963. 646 p.

Quasicorrelation method for analyzing transients in linear systems (with summary in English). I. N. Migulin. Avtom. i telem. 24 no. 10, 1351-1359 O '63.

Regulating and measuring vacuum in a sinter strip. I. M. Korobko and others. Met. i gornorud. prom. no. 4:60-64 Jl-Ag '63.

Remote control of bunker filling and automatic elimination of ore sticking. V. V Koledochkin. Izv. VN Kir. SSR Sei est. i tekh. nauk 5 no. 1:77-83 '63.

Research papers on the governing and control of spot and roll welding. P. I. Chulochnikov, V. B Verdenskii. Avtom. svar. 16 no. 5, 11-15 My '63

Riazanov, IU. A. [Design of automatic control systems] Proektirovanie sistem avtomaticheskogo regulirovaniia. Moskva, Mashgiz, 1963. 310 p

Some problems in the theory of optimum control IU V Egorov Zhur vych mat. i mat fiz. 3 no. 5 887-904 S-O '63

Some problems of the theory of invariancy in multidimensional automatic control systems P. I. Chinaev Izv. AN SSSR Tekh. kib. no. 1:180-183 Jl-Ag '63.

Stability of motion in a hyperplane of slip for certain automatic control systems with variable structures. E. L. Gershchenko. Izv. AN SSSR Tekh. kib no. 4, 157-163 Jl-Ag '63.

Stability of processes in nonlinear pulsed automatic systems. IA. Z. TSypkin Dokl AN SSSR 152 no 2:302-304 S '63.

Steady-state process in a simple discrete optimalizing system in the presence of random interference F A Ovsepian. Trudy Vych. tsentra no 1:40-45 '63

Technical and economic approach to the choice of the principal parameters of new automatic control means. V. I. Chernetskii Izv. AN SSSR. Tekh. kib. no. 4 44-55 Jl-Ag '63.

Theory of the coincidence of impulses of dependent flows. N. M. Sedlkin. Izv. AN SSSR Tekh. kib. no. 4 81-93 Jl-Ag '63.

Theory of a generator of random numbers. G. G. Vainshtein, V. B. Svechinskii. Izv. AN SSSR. Tekh. kib. no. 4 202-208 Jl-Ag '63.

Transistorized multiplier-divider (with summary in English). V. L. Benin, V. U Kizilov. Avtom. i telem. 24 no. 10 1360-1364 O '63.

Use of a least squares method for finding the originals of complex images and determination of parameters of complex systems. V. F Zhevrzheev, I. A. Orurk. Sbor trud. LIIZHT no. 179 96-106 '61

Use of automatic regulation systems of variable structure for controlling objects whose parameters vary within a wide range. S. V. Emel'ianov, V. I. Utkin. Dokl AN SSSR 152 no. 2:299-301 S '63.

Use of an electronic logical recording apparatus in a control system for an ore dressing plant. I. V. Olevskaia. Gor. zhur. no. 10:12-17 O '63.

Using computing machines in ship control systems. V. P. Evteev, V. A. Maksimov. Sudostroenie 29 no. 9: 65-67 S '63.

Using Laguerre polynomials in determining approximate dynamic characteristics of controlled objects. A. A Streltsov. Izv. vys. ucheb. zav.; mashinostr. no. 7 31-44 '63.

Vavilov, A. A., and A. I. Solodovnikov. [Experimental determination of the frequency characteristics of automatic-control systems] Eksperimental'noe opredelenie chastotnykh kharakteristik avtomaticheskikh sistem. Moskva, Gosenergoizdat, 1963 251 p.

Verkhopiatnitskii, P. D. [Electrical elements of automatic-control systems] Elektricheskie elementy avtomatiki. Leningrad, Sudpromgiz, 1963. 534 p.

AUTOMATIC CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur.: Avtom., telem. i vych. tekh. nos. 10-11 O-N '63.

AUTOMATIC CONTROL—BIBLIOGRAPHY see Bibliography—Automatic control

AUTOMATIC CONTROL—EQUIPMENT AND SUPPLIES see subdivision under Great Britain

AUTOMATIC CONTROL—MATHEMATICAL MODELS

Construction of n-dimensional servosystems using reversible solving units. K. D. Zhuk. Mat. mod. i elek. tsepi no. 1 17-25 '63.

AUTOMATIC MACHINERY see Machinery, Automatic

AUTOMATIC PILOT (AIRPLANES)

Flights with complex navigation systems. N. G. Rachkovskii. Mor. sbor. 47 no. 11:38-44 N '63.

AUTOMATIC TELEPHONE see Telephone, Automatic

AUTOMATION
(see also subdivision under United States)

Automatic line for the manufacture of fastening pins. P. M. Kellerman. Mashinostroitel' no. 11:8-9 N '63.

Automatic regulation of the discharge of the thickened sludge from pyramid-shaped thickeners. I. I. Levchenko. Koks i khim. no. 10:17-20 '63.

Automation is a decisive factor in technical progress. TSement 29 no. 4:1-2 Jl-Ag '63.

Automation of control processes in the development of large systems or complex projects. G. S. Pospelov, A. I. Telman. Izv. AN SSSR. Tekh. kib. no. 4:60-79 Jl-Ag '63.

Automation of the basic processes of the diluting shops. A. U. Mamunia, V. IA. Pshevorskaia. Trudy UkrNIISP no. 5:89-102 '59.

Automation of the process of coal slurry flotation. I. A Semenov, A. V. Medvedev, A. V. Sol'yan. Koks i khim. no. 10 6-13 '63.

Automation of the process of continuous neutralization of acid molasses syrups. L. A. Leibermar, K. I. Novikov. Sakh. prom. 36 no. 9, 60-62 S '62.

Automation of the pyramid-shaped thickener. V. M. Sitnio and others. Koks i khim. no. 10, 13-17 '63.

Automation of welding operations. M. F. Maslak, N. A Riumshin. Zhel. dor. transp. 45 no. 10 67-69 O '63.

Avaeva, S. A., and others [Automatization of technological processes in the cotton industry] Avtomatizatsiia tekhnologicheskikh protsessov khlopchatobumazhnoi promyshlennosti. Pod obshchei red S. A. Avaeva. Moskva, Gizlegprom, 1963. 270 p.

Completely automatic area for machining axle-type parts. V. P. Shapovalov and others. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 37-40 '63.

Control of the random straying of an automation with presence of internal noises. V. F. Krapivin. Izv. AN SSSR Tekh. kib. no. 4 100-106 Jl-Ag '63.

The construction industry should undergo comprehensive automation. F. Lashchiver, G. Ostrovskii. Nar. khoz. Uzb. 6 no. 10 29-32 O '63.

Devote more attention to specialized control machines. O. E. Afanas'ev. Avtom., telem i sviaz' 7 no. 10 29 O '63.

Economics and automation. V. M. Glushkov. Vest AN SSSR 33 no. 10 11-14 O '63

High-level automation. N. I. Serov. Bum. prom. 38 no. 10:15-16 O '63.

Merkulov, A. P. [Labor and automation] Trud i avtomatika. Moskva, Profizdat, 1963. 129 p. (NIC)

Methods for the investigation and selection of cutting conditions for automatic production lines. G. I Granovskii. Vest. mashinostr. 43 no. 10 46-55 O '63.

Organization and work of the section of the control and measurement equipment and of automation in sugar factories. M. K. Metura, A. L. Antonovich. Sakh. prom 37 no. 11:39-42 N '63.

Parnes, M. G. [Mechanization and automation of installation and assembly operations in the radio industry] Mekhanizatsiia i avtomatizatsiia montazhno-sborochnykh rabot v radiotekhnicheskom proizvodstve, obzor. Leningrad, Leningr. dom nauchno-tekhnich. propagandy, 1963. 64 p

[MICROFILM]

The RL002 and RL003 automatic lines for complete machining of generator frames. A. I. Berzon. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10:37-40 '63.

Social role of the mechanization and automation of Soviet industry. N. Volovik, N. D'iachkova. Komm. Ukr. 38 no. 9, 28-34 S '63.

Some requirements concerning the automation of station operations. B. I. Petrokanskii. Zhel. dor. transp. 45 no. 10, 55-58 O '63.

Statistical control of the dimensions of serially manufactured items. V. A. Kolemaev. Izv. AN SSSR Tekh. kib. no. 4:94-99 Jl-Ag '63.

Theoretical foundations for the automation of discrete technological processes. S. I. Artobolevskii Teor. mash. i mekh. no. 94/95, 70-87 '63.

Useful book on the automation of technological processes. V. V. Loskutov. Mashinostroitel' no. 11:43-44 N '63

Utilize the means of automation more effectively. M. P. Zubchenok. TSement 29 no. 4:3 Jl-Ag '63.

Valuable manual on the calculation of the economic effectiveness of the mechanization and automation of construction. N. Koniuks. Mekh. stroi. 20 no. 8:28-30 Ag '63.

AUTOMATION—BIBLIOGRAPHY see Bibliography—Automation

AUTOMATION—EXHIBITIONS

Exhibition of the work of the Scientific Research Institute and the Design Office of the State Committee on Automation and Machinery Manufacture. B. K. Kharitonov. Trakt. i sel'khozmash. 33 no. 3, 48-3 of cover Mr '63.

AUTOMATION—SOCIAL ASPECTS see subdivision under Gorkiy Province

AUTOMATISM

Clinical aspects of Clérambault-Kandinsky syndrome of psychic automatism in alcoholic psychoses (with summary in French). M. G Guliamov. Zhur. nevr. i psikh. 63 no. 2:240-243 '63

AUTOMOBILE DRIVERS—EDUCATION AND TRAINING (see also subdivision under Moscow; Zhitomir)

Training specialists. Avt. transp. 41 no. 8:48-50 Ag '63.

AUTOMOBILE ENGINEERING RESEARCH see subdivision under Czechoslovakia

AUTOMOBILE INDUSTRY
(see also subdivision under Germany, West; Minsk; Ul'yanovsk; White Russia)

Along the road of technical development. Za rul. 21 no. 6:1-2 Je '63.

Automatic lines for machining body parts. L. V. Cherenova, M. A. Kostiunina. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 90-93 '63.

Toward new achievements under the leadership of the Communist Party. Avt. prom. 29 no. 8 1-2 Ag '63.

AUTOMOBILE RACING
(see also subdivision under Armenia; Czechoslovakia)

Festival, review, test. Za rul. 21 no. 8:2-3 Ag '63.

One instead of three. V. Konev. Za rul. 21 no. 8:21 Ag '63.

Rallies are organized all over the country. Za rul. 21 no. 8 23 Ag '63.

Two-event competition starts. IU. Gofman. Za rul. 21 no. 6 12-13 Je '63.

AUTOMOBILE RACING—UMPIRING

University of umpires. N. Kiselev. Za rul. 21 no. 6:3 Je '63.

AUTOMOBILE TRAINS—ELECTRIC DRIVING

An a. c. drive system for driving wheels of an automobile train. O. A. Toloknov and others. Izv. vys. ucheb. zav., mashinostr. no. 7,133-136 '63.

AUTOMOBILES
(see also subdivision under Kursk)

Club "Amateur-Automobilist." Za rul. 21 no. 6:14-16 Ag '63.

AUTOMOBILES—DESIGN AND CONSTRUCTION

The M-21T "Volga" automobile. N. K. Kozlov. Avt. prom. 29 no. 8:13-14 Ag '63.

AUTOMOBILES—MAINTENANCE AND REPAIR

Repair of chassis parts of the "Volga" automobile. A. Khliavich. Avt. transp. 41 no. 8 26-30 Ag '63.

AUTOMOBILES—MODELS see subdivision under Yaroslavl

AUTOMOBILES—SPRINGS

Residual stresses in automobile spring bands. D. M. Nakhimov, D. I. Bron, V. G. Fertikov. Metalloved. i term. obr. met. no. 11:49-51 N '63.

AUTOMOBILES—STARTING DEVICES

The ST130 remote controlled starter. G. Gol'dberg, A. Zubarev. Avt. transp. 41 no. 8,40-42 Ag '63.

Using boron steels in manufacturing automobile starters. N. A. Patrina, O. N. Meshcherinova. Avt. prom. 29 no. 8 27-29 Ag '63.

AUTOMOBILES—TESTING

A road one year long. V. Shcherbakov. Tekh. mol. 31 no. 8,19-21 '63.

AUTOMOBILES—TOURING see subdivision under Czechoslovakia

AUTOMOBILES—WINDOWS AND WINDSHIELDS

Establishing the standard for panoramic windshields. N. I. Amosov, M. R. Savitskii. Standartizatsiia 27 no. 8 34-35 Ag '63.

AUTOMORPHIC FUNCTIONS see Functions, Automorphic

AUTOMOTIVE TRANSPORTATION see Transportation, Automotive

AUTONOMIC DRUGS

Changes in some indices of external respiration under the influence of aminazine and a neuroplegic mixture in pulmonary tuberculosis. S. S. Rytvinskii. Kaz. med. zhur. no. 2;28-33 Mr-Ap '63.

AUTORADIOGRAPHY

Autoradiographic study on thymidine-H^3 inclusion in the process of oogenesis [with summary in English]. G. I. Ginsburg. Zhur. ob. biol. 24 no. 1:71-73 Ja-F '63.

AUTUMN

Every year in the fall.... P. Golubev. Smena 40 no. 19,28-30 O '63.

AUXILIARY POLICE

Legal advice for voluntary policemen and the members of fellow workers' courts. Rad. pravo no. 4:41-42 Jl-Ag '63.

AVACHA VOLCANO—MAGMA

Depth of bedding of the magnetic chamber under Avacha Volcano. G. S. Shteinberg, M. I. Zubin. Dokl. AN SSSR 152 no. 4:968-971 O '63.

AVENIN

What new achievements does science offer to agriculturists? M. Butseroha, V. Lobov. Nauka i zhyttia 12 no. 3:40-41 Mr '63.

AVICENNA, 980?-1037

Avicenna and health resort treatment. V. M. Faibushevich. Vop. kur., fizioter. i lech. fiz. kult. 27 no. 4, 333-355 Jl-Ag '62

AXES see subdivision under Dnieper Valley

AZEOTROPES—THERMAL PROPERTIES

Definition of the concentration region of the temperature shift in a ternary azeotrope system [with summary in English] M. Susarev, L. Kudriavtseva. Izv. AN Est. SSR Ser. fiz.-mat. i tekh. nauk 12 no. 3 312-319 '63.

AZERBAIJAN—ALFALFA

Variability of nodule bacteria inside the nodules of leguminous plants [with summary in English] N. A. Krasil'nikov, T. A. Melkumova. Izv. AN SSSR, Ser. biol. 28 no. 5;693-706 S-O '63.

AZERBAIJAN—ARCHAEOLOGY

"Outline of the archaeology of Azerbaijan" by T. A. Buniatov. Reviewed by R. M. Munchaev. Sov. arkheol. 7 no. 3 253-256 '63.

AZERBAIJAN—BARITE

Conditions governing the formation and distribution of barite and sulfide-barite deposits in Azerbaijan. A. D. Kerimov. Izv. AN Azerb. SSR, Ser. geol.-geog. nauk i nefti no. 3:21-31 '63.

AZERBAIJAN—BEAVERS, FOSSIL

Discovery of the beaver Castor fiber L. in Azerbaijan. N. I. Burchak-Abramovich, D. V. Gadzhiev. Dokl. AN Azerb. SSR 18 no. 12 63-67 '62

AZERBAIJAN—COMMUNISM

"Dissemination of Marxism-Leninism in Azerbaijan" by V. IU. Samedov. Reviewed by Kh. A. Barsegian. Izv. AN Arm. SSR, Obshchestv. nauki no. 9 87-90 S '63.

Samedov, V. IU. [Dissemination of Marxism-Leninism in Azerbaijan] Rasprostranenie marksizma-leninizma v Azerbaidzhane. Baku, Azerbaidzhanskoe gos. izd-vo, 1962. 762 p
(NNC)

AZERBAIJAN—ECONOMIC CONDITIONS

Use of the "Ural-1" electronic digital computer in solving a problem concerning the supply of material and technical resources within the system of the National Economy Council of the Azerbaijan S. S. R. T. M. Askerov. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekh. nauk no. 3:51-57 '63.

AZERBAIJAN—ELECTION LAW

Azerbaijan. Laws, statutes, etc. [Statute on elections to province (Nagorno-Karabakh Autonomous Province), district, city, village, and settlement soviets of workers deputies in the Azerbaijan S. S. R. Adopted by decree of the Presidium of the Supreme Soviet of the Azerbaijan S. S. R., December 23, 1954. As amended by the decrees of the Presidium of the Supreme Soviet of the Azerbaijan S. S. R., December 29, 1956, January 13, 1959, January 11, 1961, January 9, 1962 and January 4, 1963] Polozhenie o vyborakh v oblastnoi (Nagorno-Karabakhskoi avtonomnoi oblasti), raionnye, gorodskie, sel'skie i poselkovye Sovety deputatov trudiashchikhsia Azerbaidzhanskoi SSR. Utverzhdeno Ukazom Prezidiuma Verkhovnogo Soveta Azerbaidzhanskoi SSR ot 23 dekabria 1954 g. S izmeneniiami, vnesennymi Ukazami Prezidiuma Verkhovnogo Soveta Azerbaidzhanskoi SSR ot 29 dekabria 1956 g., 13 ianvaria 1959 g., 11 ianvaria 1961 g., 9 ianvaria 1962 g. i 4 ianvaria 1963 g. Baku, Azerneshr, 1963. 27 p

AZERBAIJAN—FARM MANAGEMENT

Model statute on the collective and state farm economist of the Azerbaijan S. S. R. Ekon. sel'khoz. 34 no. 10:103-106 O '63.

AZERBAIJAN—FARMS—OFFICIALS AND EMPLOYEES

Model statute on the collective and state farm economist of the Azerbaijan S. S. R. Ekon. sel'khoz. 34 no. 10:101-106 O '63.

AZERBAIJAN—FOREST ECOLOGY

Change in wood types and growing conditions in Azerbaijani forests [in Azerbaijani with summary in Russian] D. M. Akhund-zade. Dokl. AN Azerb. SSR 18 no. 12 51-57 '62

AZERBAIJAN—LABOR AND LABORING CLASSES

Letters of Azerbaijan workers to V. I. Lenin. D. D. Gadzhinskii. Izv. AN Azerb. SSR, Ser., obshchestv. nauk no. 4:115-118 '63.

AZERBAIJAN—LEPTOSPIRA

Pathogenic properties of Leptospira isolated in Azerbaijan. T. A. Tagi-zade, A. S. Samedov, A. S. Mardanly. Dokl. AN Azerb. SSR 18 no. 12;69-73 '62.

AZERBAIJAN—MOTHERWORT

Hypotensive effect of common motherwort growing in Azerbaijan under conditions of chronic experimental hypertonia in animals. F. A. Arustamova. Izv. AN Arm. SSR. Biol. nauki 16 no. 7:47-52 Jl '63.

AZERBAIJAN—OIL RESERVOIR ENGINEERING

Calculation of the saturation pressure of undersaturated formation oils of Azerbaijan. N. A. Trivus. Dokl. AN Azerb. SSR 18 no. 12 23-27 '62

AZERBAIJAN—PETROLEUM

Improving the quality of transformer oil from Buzovna crude oil. R. Sh. Kuliev and others. Khim. i tekh. topl. i masel 8 no. 10 16-22 O '63

AZERBAIJAN—PLANTS, EFFECT OF ARIDITY ON

Effect of aridity on the structure of mechanical elements of the secondary xylem of some woody plants. Z. A. Novruzova. Dokl. AN Azerb. SSR 18 no. 12 59-62 '62

AZERBAIJAN—POULTRY BREEDING

Results of crossing local Azerbaijan hens with dual-purpose roosters in cage maintenance of the young birds. D. G. Verdiev. Shor. rab. mol. uch. VNIIP no. 4:58-69 '62.

AZERBAIJAN—RADIO PROGRAMS FOR CHILDREN

In man everything should be beautiful. A. Sheft-Zade, F. Babaeva. Sov. radio i tel. 11 no. 6;4 Je '62.

AZERBAIJAN—SULFIDES

Conditions governing the formation and distribution of barite and sulfide-barite deposits in Azerbaijan. A. D. Kerimov. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk i nefti no. 3:21-31 '63.

AZERBAIJAN—TEMPERATURE

Heat balance in the Azerbaijan S. S. R. E. M. Shikhlinskii. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk i nefti no. 3 85-104 '63.

AZERBAIJAN—THEATER

Shakespeare's plays on the stage of the Azerbaijani Drama Theater, 1920-1933. T. G. IUsufbeili. Izv. AN Azerb. SSR, Ser. obshchestv. nauk no. 4;20-40 '63.

AZERBAIJAN—WARBLE FLIES

Characteristics of the dynamics of development of the warble fly in cattle in the Azerbaijanian S. S. R. A. S. Mustafaev. Veterinariia 37 no. 2;70-72 F '60

AZERBAIJAN—WOODY PLANTS

Effect of aridity on the structure of mechanical elements of the secondary xylem of some woody plants. Z. A. Novruzova. Dokl. AN Azerb. SSR 18 no. 12 59-62 '62

AZERBAIJANI LANGUAGE—ATTRIBUTION

Order of attributes in attributive word combinations of the first type. M. Sh. Ragimov. Trudy Inst. lit. i iaz. AN Azerb. SSR 17 105-112 '63.

Some semantic groups of compound words formed from attributive word combinations of the first type [in Azerbaijani with summary in Russian]. M. I. Adilov. Trudy Inst. lit. i iaz. AN Azerb. SSR 17;84-93 '63.

AZERBAIJANI LANGUAGE—COMPOUND WORDS

Some semantic groups of compound words formed from attributive word combinations of the first type [in Azerbaijani with summary in Russian]. M. I. Adilov. Trudy Inst. lit. i iaz. AN Azerb. SSR 17;84-93 '63.

AZERBAIJANI LANGUAGE—CONJUNCTIONS

Origin of the conjunction "ki" in Azerbaijani [in Azerbaijani with summary in Russian]. A. Z. Abdullaev. Trudy Inst. lit. i iaz. AN Azerb. SSR 17;63-71 '63.

AZERBAIJANI LANGUAGE—DIALECTS see subdivision under Dashkesan District; Kedabek District

AZERBAIJANI LANGUAGE—FOREIGN WORDS AND PHRASES

Loan words and terms from Russian and other languages by means of the Russian which appeared in the Bolshevik press, 1903-1920 [in Azerbaijani with summary in Russian]. G. Ismailova. Trudy Inst. lit. i iaz. AN Azerb. SSR 17;94-105 '63.

Role of loan words in Azerbaijani synonymy [in Azerbaijani with summary in Russian]. B. T. Abdullaev. Trudy Inst. lit. i iaz. AN Azerb. SSR 17;75-83 '63.

AZERBAIJANI LANGUAGE—HOMONYMS

Forming of lexical homonyms in the Azerbaijani language [in Azerbaijani with summary in Russian]. Z. Tagieva. Izv. AN Azerb. SSR, Ser. obshchestv. nauk no. 4;53-61 '63.

AZERBAIJANI LANGUAGE—SENTENCES

From the history of complete sentences in literary Azerbaijani [in Azerbaijani with summary in Russian]. M. P. Dzhangirov. Trudy Inst. lit. i iaz. AN Azerb. SSR 17;37-47 '63.

AZERBAIJANI LANGUAGE—SYNONYMS

Role of loan words in Azerbaijani synonymy [in Azerbaijani with summary in Russian]. B. T. Abdullaev. Trudy Inst. lit. i iaz. AN Azerb. SSR. 17;75-83 '63.

Synonyms in the language of Kasym Bek Zakir's works [in Azerbaijani with summary in Russian]. A. Dzh. Alizade. Trudy Inst. lit. i iaz. AN Azerb. SSR 17;113-123 '63.

AZERBAIJANI LANGUAGE—VERB

Archaic verbs in modern literary Azerbaijani [in Azerbaijani with summary in Russian]. R. A. Rustamov. Trudy Inst. lit. i iaz. AN Azerb. SSR 17;5-36 '63.

AZERBAIJANI LANGUAGE—WORD FORMATION

Word formation in Sabail's stories [in Azerbaijani with summary in Russian] R. Dzh. Magerramova. Trudy In-ta lit. i yaz. Akad. nauk Azerb. SSR 17 45-62 '63.

AZERBAIJANI LANGUAGE—WORD ORDER

Order of attributes in attributive word combinations of the type [illegible] M. Sh. Radzabov. Trudy In-ta lit. i yaz. Akad. nauk Azerb. SSR 17 109-112 '63.

AZIDES

Polyhalogen azides series. Part 4. Structure and hydrolysis of tetrazidoiodine trifluoride. L. S. Gonchарova, I. A. Prokof'ev. Zhur. ob. khim. 33 no. 8 2475-2480 Ag '63.

AZIMUTH

Determining an azimuth in shortened periods of time. Ill. Kashcharov. Voen. vest. 43 no. 7 85-87 Jl '63.

AZIZBEKOV—TECHNICAL LIBRARIES

Agricultural assistant, Rizim Askerov. Neftianik 8 no. 6 23 Je '63.

AZOTOBACTER

Conditions for the viability of Azotobacter in the turf-Podzolic soils. V. I. Bernard. Trudy Inst. mikrobiol. no. 11 102-110 '61.

Effect of some factors on the efficiency of azotobacterin. A. K. Pancelian. Izv. AN Arm. SSR. Biol. nauki 16 no. 7 11-20 Jl '63.

Factors influencing the results of symbiotic interrelationships of Azotobacter with higher plants. G. LA Pettenko. Trudy Inst. mikrobiol. no. 11 111-129 '61.

Role of micro-organisms in the accumulation of vitamins in soils and their absorption by plants. A. G. Gebgardt. Trudy Inst. mikrobiol. no. 11 292-300 '61.

AZOV, SEA OF—DEEP-SEA DEPOSITS

Changes in the moisture and specific gravity of the sediments of the Sea of Azov depending on the hydrometeorological conditions and their biological significance. T. I. Gorshkova. Okeanologiia 3 no. 4 674-679 '63.

AZOV, SEA OF—FISH INTRODUCTION

Introduction of the roach Rutilus frisii kutum into the Sea of Azov. M. B. Trushinskaia. Ryb. khoz. 38 no. 11 32-36 '62.

AZOV, SEA OF—FISHES—FOOD

Characteristics of feeding habits and food relationships of fishes in the Sea of Azov before and after the regulation of the Don River. M. V. Zheltenkova. Trudy Gidrobiol. ob-va 13 178-209 '63.

AZOV, SEA OF—ROACH (FISH)

Introduction of the roach Rutilus frisii kutum into the Sea of Azov. M. B. Trushinskaia. Ryb. khoz. 38 no. 11 32-36 '62.

AZOV SEA REGION—CITIES AND TOWNS, RUINED, EXTINCT, ETC.

Ancient Tiramba. A. K. Korovina. Vest. drev. ist. no. 3 126-131 '63.

AZOV SEA REGION—GEOLOGY, STRATIGRAPHIC

Correlation of Cretaceous and Paleogenic rocks in the region of the Sea of Azov. L. A. IUrovskii. Dokl. AN SSSR 152 no. 4:972-974 O '63.

BCG VACCINATION

Study of the effectiveness of antituberculosis vaccination in young persons with a positive reaction to tuberculin. E. P. Avetina. Kaz. med. zhur. no. 2:15-18 Mr-Ap '63.

BACTERIA, ANAEROBIC

Using ultraviolet rays for disinfection in anaerobic infections. A. P. Vasil'ev, K. N. Sal'nikova. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:73-80 '61.

BACTERIA, LUMINOUS

Relation between bioluminescence and respiration in bacteria. R. I. Chumakova. Izv. SO AN SSSR no. 8. Ser. biol.-med. nauk no. 2 82-87 '63.

BACTERIA, PATHOGENIC

Bacteriostatic effect of fresh blood serums of farm animals on some species of pathogenic microbes. I. V. Sokolova. Trudy Mosk. vet. akad. 12:123-137 '56.

Determining the toxigenicity of diphtheria bacilli using the so-called "manifestator pestis", abstract. N. S. Shamsutdinov. Kaz. med. zhur. no. 1:113-114 Ja-F '61.

Effect of bile on some species of pathogenic microbes. F. S. Shultak. Trudy Mosk. vet. akad. 12:107-115 '56.

Effect of preliminary administration of tissue preparations on the permeability of cutaneous tissue to pyogenic microbes. D. S. Shchastnyi. Uch. zap. UEIGB 5:268-274 '62.

Survival of facultative pathogenic and pathogenic bacteria in some peats of Armenia. S. S. Aleksandrian. Izv. AN Arm. SSR. Biol. nauki 16 no. 7:27-34 Jl '63.

BACTERIA, PHOSPHORUS

Mobilization of organic phosphates in Chernozem soils and the phosphorus nutrition of plants. IU. K. Kudzin, I. V. IAroshevich. Trudy Inst. mikrobiol. no. 11:252-259 '61.

Role of Bacillus megaterium var. phosphaticum in the nutrition of plants. R. A. Menkina. Trudy Inst. mikrobiol. no. 11 238-245 '61.

BACTERIA, SILICATE

Decomposition of phosphorus compounds, sparingly available to plants, by silicate bacteria. K. I. Surman. Trudy Inst. mikrobiol. no. 11 269-274 '61.

BACTERIOLOGY

Specific and comparative characteristics of phenologs during bacteria obtained from sewers and reservoirs. A. S. Lubinskaia, G. P. Ponomareva. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4 37-41 '60.

BACTERIOLOGY—CULTURES AND CULTURE MEDIA

Dense milk-sulfite medium for accelerated cultivation of Bacillus perfringens. V. P. Vasil'ev. Trudy Mosk. vet. akad. 12:187-191 '56.

Method of isolating fungus cultures free of bacteria. I. S. Popov, L. I. Mishchenko. Vest. derm. i ven. 36 no. 10 44-46 O '62.

BACTERIOLOGY, AGRICULTURAL see Agricultural microbiology

BACTERIOPHAGE

Krylova, M. D. [Phage typing of bacteria] Fagotipirovanie bakterii. Moskva, Medgiz, 1963. 199 p.

BACTERIOSTASIS

Bacteriostatic effect of fresh blood serums of farm animals on some species of pathogenic microbes. I. V. Sokolova. Trudy Mosk. vet. akad. 12:123-137 '56.

BADKHYZ PRESERVE—ROCKS, SEDIMENTARY

Petrographic characteristics and conditions governing the formation of Bukhara layers in the Badkhyz Preserve. V. N. Konditerov. Uch. zap. LGU no. 310 201-211 '62.

BAGASSE

(see also subdivision under Soviet Central Asia)

Effect of cattle feeding with bagasse on the bone tissue. N. Kozhemiakin and others. Mias. ind. SSSR 34 no. 5 47-48 '63.

BAHREIN—HISTORY

"Bahrein, from the history of the Persian Gulf region" V. L. Bodianskii. Reviewed by M. S. Lazarev. Nar. Az. i Afr. no. 5 222-224 '63.

BAIKAL, LAKE—DIATOMS

Fluctuations in the abundance of Melosira species in the plankton of Lake Baikal. N. L. Antipova. Trudy Gidrobiol. ob-va 13 235-241 '63.

BAIKAL, LAKE—FISHES—FOOD

Feeding habits of three- and four-year-old whitefishes in Lake Baikal. V. N. Lyskova. Trudy Gidrobiol. ob-va 13 210-216 '63.

Feeding habits of young whitefishes of Lake Baikal during their first two years. I. G. Toporkov, P. IA. Tugarina. Trudy Gidrobiol. ob-va 13 217-224 '63.

BAIKAL, LAKE—OLIGOCHAETA

Oligochaetes of the Posol'sk shoal of Lake Baikal. A. A. Noskova. Izv. SO AN SSSR no. 8. Ser. biol.-med. nauk no. 2 118-121 '63.

BAIKAL, LAKE—WATER FLEAS

Biology of the pelagic crustacean Cyclops kolensis Lill. in Lake Baikal. G. G. Mazepova. Trudy Lim. inst. 1 pt. 2:49-134 '63.

BAIKAL, LAKE—WHITEFISHES

Biology of young whitefishes of Lake Baikal. I. G. Toporkov. Trudy Gidrobiol. ob-va 13 255-266 '63.

Feeding habits of three- and four-year-old whitefishes in Lake Baikal. V. N. Lyskova. Trudy Gidrobiol. ob-va 13 210-216 '63.

Feeding habits of young whitefishes of Lake Baikal during their first two years. I. G. Toporkov, P. IA. Tugarina. Trudy Gidrobiol. ob-va 13 217-224 '63.

Materials on the biology of young whitefishes in Lake Baikal. L. A. Volkova. Trudy Gidrobiol. ob-va 13 225-234 '63.

BAIKAL, LAKE—ZOOPLANKTON

Changes in the zooplankton of the Posol'sk shoal and adjacent shallows of Lake Baikal in May-August of 1960 and 1961. G. I. Shnlagina. Trudy Gidrobiol. ob-va 13 56-62 '63.

BAIKAL LAKE REGION—CHIRONOMIDAE

Biology of biting midges of the family Tendipedidae. A. A. Linevich. Trudy Lim. inst. 1 pt. 2:3-48 '63.

BAKED PRODUCTS—ANALYSIS

Some problems of the analysis of an assortment of bakery products. V. V. Shcherbatenko and others. Khleb. i kond. prom. 7 no. 10:5-9 O '63.

BAKERIES

(see also subdivision under Kagan, Kislovodsk; Leningrad, Shebekino)

Cooperative bakeries. I. Zhilov. Sov. potreb. koop. 7 no. 8:49-53 Ag '63.

New developments in the design and planning of [illegible] making sections of bakeries. IA. Kh. Lotsmanov, [illegible] Shekhter. Khleb. i kond. prom. 6 no. 1:13-14 Ja '63.

BAKERIES—EQUIPMENT AND SUPPLIES

(see also subdivision under Leningrad, Moscow)

Efficient use of fork loaders. V. A. Mel'[illegible]. Khleb. i kond. prom. 6 no. 1:31-32 Ja '63.

Proving and baking unit with a KhVI oven. [illegible] lin, G. A. Abramov. Khleb. i kond. prom. [illegible] 20 O '63.

BAKERIES—FINANCE see subdivision under [illegible]

BAKERIES—PERIODICALS

Encounter of the chief editors of the "Khlebopekarnaia, konditerskaia promyshlennost'" magazine of [illegible] cialist countries. N. E. Morev. Khleb. i kond. prom. 7 no. 10 15-17 O '63.

BAKERS see subdivision under Krasnodar

BAKING

Use of concentrated fat-and-water emulsions in [illegible] ery industry. IU. N. Kuramshin and others. Khleb. i kond. prom. 7 no. 10:1-1 O '63.

BAKU—ALLIED INTERVENTION, 1918-1920

Bloody crimes of the imperialists; 15th anniversary of the execution of 26 Baku commissars. V. Agitator no. 18, 13-15 S '63.

BAKU—ANTIQUITIES

New finds at the walls of the Baku fortress [illegible] zade. Dokl. AN Azerb. SSR 18 no. 1 [illegible]

BAKU—ART, AZERBAIJANI—EXHIBITIONS

At the Azerbaijani exhibition "Our contemporaries". N. Gabibov. Iskusstvo 26 no. 9 28-35 '63.

BAKU—COMMERCE

Commerce between Baku city and Iran from the [illegible] to the 1860's [in Azerbaijani with summary in R[illegible] M. A. Musaev. Izv. AN Azerb. SSR. Ser. ob. [illegible] nauk no. 4 41-51 '63.

BAKU—PETROLEUM WORKERS

A new document describing the situation of [illegible] um workers in the early 20th century. V. M. [illegible] fanov. Ist. arkh. 8 no. 2:238-239 Mr-Ap '63.

BAKU—POULTRY

Efficiency of various methods for keeping [illegible] the Baku Poultry Plant. A. S. Amirov. D. kl. [illegible] VNIESKHI no. 16 118-127 '63.

BAKU—POULTRY—DISEASES AND PESTS

Infectious conjunctivitis in chicks and measures for [illegible] control at the Baku Poultry Plant. [illegible] [illegible] rab. mol. uch. VNIIP no. 4, 210-221 '63.

BAKU—WHOLESALE TRADE

This is not the limit. I. Badirbeili. Sov. torg. [illegible] no. 8:12-13 Ag '63.

BAKUNTS, AKSEL'

Undisguised truths. L. Arutiunov. Nov. mir [illegible] 255-258 F '63.

BALANCE

Rudo, N. M. [Laboratory balances and precise weighing] Laboratornye vesy i tochnoe vzveshivanie. Moskva, Standartgiz, 1963. 149 p.

BALANCE OF PAYMENTS see subdivision under United States

BALANCING OF MACHINERY

The best external balancing of a two-cylinder engine. IU. V. Epshtein, L. P. Rapota, G. V. Lebedinskii. Trudy sel'khozmash. 39 no. 3:11-15 Mr '63.

BALANTIDIUM COLI

A case of balantidiasis with an unusual course. [illegible] TSybuliak. Zdravookhranenie 6 no. 1:59-60 '63. J 63.

BALATON LAKE REGION—CLASSICAL ANTIQUITIES

"Villas of the Roman epoch in the Balaton Lake region" [in Hungarian] by Edit B. Thomas. Reviewed by I. G. Kruglikova. Vest. drev. ist. no. 3:156-159 '63.

BALBOA, VASCO NÚÑEZ de, 1475-1519

An anniversary of the Pacific Ocean. IA. M. Svet. Priroda 52 no. 9:72-79 '63.

BALERS

Adjusting a binding apparatus. M. Negrimovskii. Trudy sel'khoz. 23 no. 8 53-55 Je '63.

BALKAN PENINSULA—GERMANIC TRIBES

"Archaeology and history of the barbarian colonization of the regions inhabited by the southern Slavs from the fourth through the early seventh century" [in Serbo-Croatian] by Jovan Kovačevic. Reviewed by M. M. Freidenberg. Sred. veka no. 24:298 '63.

BALKHASH—FISHERY PRODUCTS—PRESERVATION
Preservation of the workers of the fish industry in Balkhash. Prom. tekh. 10 no. 5:61 S-O '63.

BALKHASH LAKE REGION—DUCKS—FEEDING AND FEEDS
Pasture ducklings for meat in reservoirs in the southern Lake Balkhash region. Z. I. Okhman. Sbor. rab. mol. n.-i. VNIIP no. 1:140-147 '62.

BALKHASH LAKE REGION—GRANITE
Nurlybaev, A. N. [Granitoids of the Paleozoic intrusive complexes of the northwestern part of the Lake Balkhash region (central Kazakhstan)] Granitoidy paleozoiskikh intruzivnykh kompleksov Severo-Zapadnogo Prikalkhash'ia (Tsentral'nyi Kazakhstan). Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 219 p.

BALLAST (SHIPS)
Ballast water from tank vessels and their qualitative and quantitative characteristics. S. T. Shirokov. Mor. flot 23 no. 9:17-19 S '63.
Stepanchikov, R. V. [Efficient ballasting of a tank vessel] Ratsional'naia ballastirovka tankera. Moskva, Izd-vo "Morskoi transport," 1963. 80 p.

BALLET
(see also subdivision under Kiev, Tiflis)
The marvel of Russian art. B. Karieva. Komm. Uz. 35 no. 10:64-65 O '63.
[Masters of the Soviet ballet; an album of drawings] Mastera Sovetskogo Baleta, al'bom risunkov. Red. E. I. Kapelian. Leningrad, Khudozhnik RSFSR.
Vol. 1. 1963.
(NNC)

BALLISTOCARDIOGRAPHY
Ballistocardiography as a method of early detection of cardiovascular diseases. V. V. Parin, R. M. Baevskii. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 8-10 '61.
Value of dynamic ballistocardiography in the treatment of certain heart diseases. V. A. Gefter. Kaz. med. zhur. no. 1 71-72 Ja-F '61.

BALLOONS
Use of balloons under present conditions. A. G. Vorobiev, M. I. Sokirov. Priroda 52 no. 9 107-108 '63.

BALSAM APPLE
Microembryology of the gourd family; anatomy of the fruits of squirting cucumber and balsam apple. B. T. Matienko. Bot. zhur. 48 no. 9 1346-1352 S '63.

BALTER, BORIS
Farewell with youth. E. Starikova. Nov. mir 39 no. 1: 249-253 Ja '63.

BALTIC PROVINCES—COMMERCE
"Grain trade in the Baltic Sea region in the 17th century" [in German] by A. Soom. Reviewed by V. V. Doroshenko. Vop. ist. 38 no. 10:171-171 O '63.

BALTIC SEA—FISHERIES
Basic forecast of the relative yield of some commercial fishes of the Baltic Sea. A. F. Antonov. Ryb. khoz. 38 no. 11 13-18 '62.

BALTIC SEA—FISHES
Changes in the stocks of commercial fishes in the Baltic Sea under the influence of oceanographic factors. T. F. Dementieva. Okeanologiia 3 no. 5:876-885 '63.

BALTIC SEA—HYDROLOGY
General characteristics of changes in the hydrological and hydrochemical conditions of the Baltic Sea during the past decade. L. M. Soskin, L. N. Chernovskaia. Okeanologiia 1 no. 3:426-431 '61.

BALTIC SEA—SALMON
In the International Council for the Exploration of the Sea. Ryb. khoz. 38 no. 11:93 '62.

BALTIC SEA—SHORE PROTECTION
Use of luminescent sand in studying the work of jetties on the Polish coast of the Baltic Sea. I. I. Slomianko. Okeanologiia 1 no. 3:537-542 '61.

BALTIC SEA REGION—COMMERCE—NEAR EAST
The Baltic Sea-Volga route. V. B. Vilinbakhov. Sov. arkheol. 7 no. 3:126-136 '63.

BAMBOO see subdivision under Yunnan Province

BANACH SPACES
Bifurcation points of a certain class of equations. V. B. Melamed. Dokl. AN SSSR 152 no. 4:821-822 O '63.
Modification of Chebyshev's method. R. A. Shafiev. Zhur. vych. mat. i mat. fiz. 3 no. 5:950-953 S-O '63.
Use of the steepest descent method in a Hilbert modulus over a finite-dimensional complex K-space. S. N. Slugin. Dokl. AN SSSR 152 no. 4:834-837 O '63.

BAPTISM
Christian sacraments. A. Ranovich. Nauka i rel. no. 2: 38-39 F '62.

BAPTISTS
(see also subdivision under Germany, East, Latvia, Soviet Central Asia, Ukraine)
"Sister Bogyna." Halina Vasilcuskaia. Rab. i sial. 39 no. 9 18-20 S '63.

BAR ASSOCIATIONS
We have counseled collective farms in legal problems and managed their lawsuits in courts. O. Pedan. Rad. pravo no. 4 97-98 Jl-Ag '63.

BARABINSK DISTRICT—COOPERATIVE SOCIETIES—AUDITING AND INSPECTION
With the help of the activist group. P. Korostik. Sov. potreb. koop. 7 no. 11 52 N '63.

BARAMZINA, TAT'IANA NIKOLAEVNA
Renowned defender of her homeland. T. Vasil'eva. Doshk. vosp. 36 no. 10:82-84 O '63.

BARANOVICHI—WOMEN—EMPLOYMENT
Shoulder to shoulder with other people. N. Vakul'ski. Rab. i sial. 39 no. 7:8-9 Jl '63.

BARDIN, IVAN PAVLOVICH, 1883-
Noteworthy dates in science and technology. Shkola i proizv. 7 no. 10:95-96 O '63.

BARENTS SEA—FISH INTRODUCTION
Greenlings (Hexagrammidae, Pisces) and their introduction into the northern seas of the U. S. S. R. [with summary in English]. T. S. Rass. Trudy Inst. okean. 59:191-201 '62.
Methods of collecting, transporting and completing the incubation of the eggs of the Atka fish [with summary in English] IU. I. Orlov, L. V. Polikashin. Trudy Inst. okean. 59 183-190 '62.

BARENTS SEA—WHALES
A naturalist's notes. N. N. Sushkina, IUrii Kachaev. IUn. nat. no. 2:36 F '63.

BARITE see subdivision under Azerbaijan, Mangyshlak Peninsula

BARIUM BORATE CRYSTALS
Crystal structure of $BaB_2O_4 \cdot 4H_2O$. V. B. Kravchenko. Zhur. strukt. khim. 4 no. 5:768-770 S-O '63.

BARIUM TITANATE—DIPOLE MOMENTS
Electrostriction theory of phase transitions in barium titanate. N. S. Akulov, M. A. Mel'gui. Dokl. AN BSSR 7 no. 10:661-665 O '63.

BARK
Chemical composition of bark juice of the host plants of the insects. V. P. Bogdanova. Izv. AN SSSR, Ser. biol. 28 no. 4:605-612 Jl-Ag '63.
Some relationships of the physical and mechanical properties of the bark and wood of pine, spruce, birch, and aspen. M. N. Simonov. Trudy TSNIIME no. 41:3-11 '63.

BARK BEETLES see subdivision under Irtysh Valley

BARK BEETLES—EXTERMINATION
Effect of barking spruce on the engraver beetle Ips typographus and its enemies. A. A. Hirita. Visnyk sil'hosp. nauky 6 no. 4:83-86 Ap '63.

BARK BEETLES—PARASITES see Parasites—Bark beetles

BARK PEELING
Calculations and experimental investigation of the parameters of cutters for bark peeling. M. N. Simonov. Trudy TSNIIME no. 41 13-47 '63.
Effect of barking spruce on the engraver graphus and its enemies. A. A. Hirita. sil'hosp. nauky 6 no. 4:83-86 Ap '63.
Experimental investigation of chemical ing trees in the U. S. S. R. M. N. Simonova, G. N. Beksha. Trudy TSNIIME
Focusing of continuous water jets subje of an electric field. A. A. Semerchan, V. G. IUgov. Trudy TSNIIME no. 41.4
Problems in selecting nozzles for crusl water jet at subsonic speed. V. G. IUg TSNIIME no. 41 55-65 '63.

BARLEY
(see also subdivision under Ukraine)
Effect of the conditions of growth and de winter hardiness of winter barley. P. Lyfenko. Nauch. trudy Vses. sel.-gen. 78 '62.

BARNAUL—ATMOSPHERIC TEMPERAT
Secular circulation of air temperature i Nerchinskiy Zavod. V. L. Arkhangel'sl un. Ser. 5. Geog. 18 no. 6:87-89 N-D

BARNAUL—OLD-AGE HOMES
The collective is my support. S. Polege obesp. 24 no. 8:30-31 Ag '63.

BAROMETRIC HYPSOMETRY
Proper processing of barograms. N. Babaev, V. Shvyriaev. Kryl. rod. 14 no. 11:35-36 N '63.

BARRELS—TRANSPORTATION
Hand cart for transporting barrels. A. Surnachev. Tekh. v sel'khoz. 23 no. 8 72 Ag '63.

BARTER
A new theory of the role of barter in the Neolithic period. M. L. Gel'tser. Vop. ist. 38 no. 10 197 O '63.

BASHKIRIA—AGRICULTURE—STUDY AND TEACHING
In the schools of Bashkiria. N. Rezbaev. Shkola i proizv. 7 no. 10 91 O '63.

BASHKIRIA—COOPERATIVE SOCIETIES
Planning should have an economic basis. P. Shuliak. Sov. potreb. koop. 7 no. 8 32-33 Ag '63.

BASHKIRIA—EMPLOYERS' LIABILITY
There is not a hint of argument here. .. N. Gizatullin, F. Khal'tbornov. Sots. obesp. 21 no. 10 13-15 O '63.

BASHKIRIA—GAS, NATURAL—GEOLOGY
Rozanov, L. N., and others. [Method for rating producible and prospective reserves of oil and gas in platform areas as exemplified by the studies carried out in the Bashkir A. S. S. R.] Metodika otsenki perspektivnykh i prognoznykh zapasov nefti i gaza platformennykh oblastei (na primere Bashkirskoi ASSR). Moskva, Gostoptekhizdat, 1963. 81 p.

BASHKIRIA—INDUSTRIAL HYGIENE
Good tradition is getting stronger. R. IAnbukhtin. Okhr. truda i bezop. strakh. 6 no. 11 24 N '63.

BASHKIRIA—JOINTS (GEOLOGY)
Carbonate reservoir rocks in fields of the Kinzebulatovo type. V. K. Gromov. Trudy VNIGRI no. 121.169-186 '58.
Results of the study of the lithology and petrography of Paleozoic fractured rocks in the Bashkirian part of the Ural Mountain region, the southern Minusinsk Basin, and the Irkutsk amphitheater. L. P. Gmid. Trudy VNIGRI no. 121 187-216 '58.

BASHKIRIA—MOTORCYCLE RACING
If you are called a sportsman. R. Danelian. Za rul. 21 no. 6 4-5 Je '63.

BASHKIRIA—PETROLEUM CHEMICALS
Development of the petrochemical industry and the practice of party organizations. Z. Nuriev. Kommunist 40 no. 15:78-87 O '63.
How the CPSU has organized the construction of petrochemical plants in the Bashkir A. S. S. R. IU. N. Nikiforov. Vop. ist. KPSS 7 no. 10 16-25 O '63.

BASHKIRIA—PETROLEUM GEOLOGY
Rozanov, L. N., and others. [Method for rating producible and prospective reserves of oil and gas in platform areas as exemplified by the studies carried out in the Bashkir A. S. S. R.] Metodika otsenki perspektivnykh i prognoznykh zapasov nefti i gaza platformennykh oblastei (na primere Bashkirskoi ASSR). Moskva, Gostoptekhizdat, 1963. 81 p.

BASHKIRIA—PETROLEUM PRODUCTION—EQUIPMENT AND SUPPLIES
Bashneft', Ob"edinenie. [Experience in equipping oil fields of Bashkiria to be exploited without derricks] Opyt ustroistva neftianykh promyslov Bashkirii dlia bezvyshechnoi ekspluatatsii. [n. p.] 1963. 23 p. (Vystavka dostizhenii narodnogo khoziaistva SSSR)

BEAMS AND GIRDERS

Bylo, G. I., and others [Technical information, production on movable stands of prestressed reinforced-concrete beams, transportable in one piece, with a span of 31.5 m for railroad loads] Tekhnicheskaia informatsiia, izgotovlenie na podvizhnykh stendakh tsel'noperevozimykh zhelezobetonnykh predvaritel'no napriazhennykh balok proletnykh stroenii proletom 33,5 m pod zheleznodorozhnuiu nagruzku (opyt Mostootriada-10 ordena Lenina Mostotresta) Moskva, Orgtransstroi, 1963. 20 p.

[MICROFILM]

Calculation of beams on an elastic foundation by the method of finite differences V. I. Solomin Trudy Ural politekh. inst. no. 102 157-169 '61

Calculation of two-dimensional beams with a regular polygonal axis L. A. Kogan Trudy Ural. politekh. inst. no. 102, 67-76 '61.

Derivation of the universal equation of the elastic line of a beam by the graphic analysis method. M. M. Kats. Trudy OmSKhI 41:199-201 '60.

Narets, I. K. [New problems in the statics, dynamics and stability of beams arising in connection with the appearance of computers of continuous and discrete action] Novye voprosy statiki, dinamiki i ustoichivosti balok, voznikaiushchie v sviazi s poiavleniem vychislitel'nykh mashin nepreryvnogo i diskretnogo deistvila, uchebnoe posobie. Tallinn, Tallinskii politekhn. in-t, 1963. 87 p.

Prestressed foundation beams. Biul. stroi. tekh. 20 no. 10 28 O '63.

Static calculation of beams with elastically joined ends A. D. Lizarev. Trudy Ural. politekh. inst. no. 102 94-101 '61

Using exponential relation of stresses and deformations in designing bent members beyond elastic limit. S. I. Garpf. Izv. vys. ucheb. zav., mashinostr. no. 8 101-109 '63.

BEAMS AND GIRDERS—DEFECTS

Investigating the buckling of webs on lightweight I-beams. I. N. Filippov, I. V. Gunin. Stal' 23 no. 10 915-918 O '63.

BEAMS AND GIRDERS—ELECTROMECHANICAL ANALOGIES

Electric modeling of bent beams of variable cross section. O. V. Luzhin. Mat. mod. i elek. tsepi no. 1, 92-96 '63

BEAMS AND GIRDERS, CONTINUOUS

Investigating the effect of the lateral force on the limiting moment in case of a moving load on continuous beams N. A. Kravtsov. Izv. vys. ucheb. zav.; mashinostr. no. 8, 93-100 '63.

BEAN BREEDING

Basic problems concerning methods and techniques of crossing kidney beans. N. I. Dzhelali Nauch. trudy Vses. sel.-gen. inst. no. 5, 151-153 '62.

BEANS

Sowing winter crops in bean interrows. P. Kostrov, N. Chekmanova. Tekh. v sel'khoz. 23 no. 8, 27-30 Ag '63.

Studying the ripening process of forage bean seeds. N. V. Klimova. Trudy VNIIZ no. 41, 47-58 '63.

Variability of nitrogen-containing substances in the organs of beans in the process of ontogenesis V. G. Klimenko, T. V. Varenitsova. Trudy po khim. prirod. soed. no. 5, 27-35 '62.

BEARING INDUSTRY see subdivision under Kharkov

BEARING INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Saratov

BEARING METALS

Surface tension of ShKh15 ball-bearing steel and its adhesion to slag. S. I. Popel', A. A. Deribin Izv. vys. ucheb. zav.; chern. met. 6 no. 9, 16-19 '63.

BEARINGS (MACHINERY)

Improving the design of end bearings for vertical shafts. A. N. Zatulovskii, V. R. Grebeniuk. Khim. mashinostr. no. 3, 38 My-Je '63.

Korostashevskii, R. V., and A. M. Zaitsev. [Antifriction bearings used in airplane construction] Aviatsionnye podshipniki kacheniia. Pod red. R. V. Korostashevskogo. Moskva, Oborongiz, 1963. 339 p.

Mechanical press for manufacturing packing gland rings for high-pressure equipment. E. N. Smirnov. Energetik 11 no. 10, 18-20 O '63.

Modeling the corrugation profile of a rolling-bearing race. B. T. Sheftel', K. M. Siviakov. Stan. i instr. 34 no. 10, 37-38 O '63.

BEARINGS (MACHINERY)—TESTING

Machine for abrasive-wear testing of sliding bearings. M. F. Stramous. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10, 52-54 '63.

BEARS

Mishka and Mashka. I. Lashkov. Sov. voin 45 no. 21, 45 N '63.

BEAVERS see subdivision under Korosten' District

BEAVERS, FOSSIL see subdivision under Azerbaijan

BEDNYI, DEM'IAN, 1883-1945

Demian Bednyi. Iman Seidov Izv. AN Azerb. SSR, Ser. obshchestv. nauk no. 4, 9-17 '63

Session dedicated to the 80th anniversary of the birth of Demian Bednyi Izv. AN SSSR Ser. lit. i iaz. 22 no. 5, 453-455 S-O '63.

BEE CULTURE

A book by a great apiculturist Mykola Romanika Ukraina no. 13, 20 Je '61.

BEEF CATTLE
(see also subdivision under Mongolia)

Effect of different dates of castration on the growth and meat qualities of young cattle. D. A. Kochenov Trudy VIZH 24, 49-56 '62

Increasing the weight gain of cattle is the most important factor in reducing meat costs. I. A. M. Ginzburg. Dokl. i soob. VNIESKH no. 16, 32-39 '63.

BEEF CATTLE—ECONOMIC ASPECTS
(see also subdivision under Rostov Province)

Economic evaluation of the meat quality of cattle. N. M. Buriakov Dokl. i soob. VNIESKH no. 15, 17-31 '63.

BEEF CATTLE—FEEDING AND FEEDS

Effect of various levels of feeding on the growth and development of young cattle D. L. Levantin, E. K. Guneeva. Trudy VIZH 24, 40-48 '62.

Fattening of young cattle on the Michurin Collective Farm in Stupino District, Moscow Province. A. V. Orlov, N. V. Mylnikov. Dokl. TSKHA no. 69, 45-52 '61

Patterns of growth and development in Kholmogory bull calves in case of various types of feeding. K. V. Petrova. Dokl. TSKHA no. 69, 53-59 '61.

BEES see subdivision under Carpathian Mountain region, Polesye

BEGOVAT—ROLLING (METALWORK)

A generous heart never lacks warmth. M. Burlev. Nar. khoz. Uzb. 5 no. 7, 56-57 Jl '63.

BEGOVAT (TASHKENT PROVINCE)—STEELWORKERS

Hardening of steel. B. Berezniak. Uzbekistan 22 no. 7, 9 Jl '63.

BEHISTUN INSCRIPTIONS see Old Persian inscriptions

BEKHTEREV, VLADIMIR MIKHAILOVICH, 1857-1927

Clinical, social and hygienic problems of alcoholism in V. M. Bekhterev's works [with summary in English]. D. D. Fedotov, A. A. Portnov. Trudy Gos. nauch.-issl. inst. psikh. 38, 427-433 '63

In V. M. Bekhterev's Museum, on the 35th anniversary of V. M. Bekhterev's death. S. V. Belov, V. I. Zluzin. Zhur. nevr. i psikh. 62 no. 12, 1879-1881 '62.

BELASHOVA-ALEKSEEVA, EKATERINA FEDOROVNA, 1906-

Ekaterina Belashova. I. Shmidt. Iskusstvo 26 no. 8, 7-14 '63.

BELGIUM—SUGAR INDUSTRY

Sugar industry of Belgium. Sakh. prom. 37 no. 11, 69-72 N '63.

BELGOROD PROVINCE—GEOLOGY

Some problems of the Pre-Cambrian geology of the Voronezh Crystalline Shield. N. F. Anikeeva. Izv. AN SSSR Ser. geol. 28 no. 10, 117-120 O '63.

BELGOROD PROVINCE—STOCK AND STOCKBREEDING

Practice of the progressive stockbreeding state farms of Belgorod Province. L. P. Evseeva, G. B. Lazarenko. Dokl. i soob. VNIESKH no. 16, 47-55 '63.

BELIANKIN, DMITRII STEPANOVICH, 1876-1953

On the tenth anniversary of D. S. Beliankin. G. D. Afanas'ev and others. Izv. AN SSSR. Ser. geol. 28 no. 10, 103 O '63.

BELLUNO, ITALY—FLOODS

The crime in Belluno. I. Trofimova. Nov. vrem. 21 no. 43, 16-17 O '63.

BELOGORSK—GROCERY TRADE

Beacon lights the way. D. Shvarts. Sov. potreb. koop. 7 no. 8, 9-10 Ag '63.

BELOZERSKIY LIMAN—FISHERIES

Lake Belozerskiy Liman and its future use for commercial fishing. S. V. Zalevs'kyi, O. I. Liubars'kyi, N. S. Meniuk. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14, 48-54 '62.

BELTS AND BELTING

Effect of the belt transmission on the irregularity of the running of the machine. L. P. Voloshina. Trudy DIIT no. 24, 214-225 '54.

Some results of the service testing of conveyor belts made from capron fabrics. I. N. Konnov. Kauch. i rez. 22 no. 9, 31-34 S '63.

BENCAINE

Local novocaine and bencaine infiltration block in the treatment of circumscribed chronic pruritic dermatoses. R. S. Markovich. Vest. derm. i ven. 36 no. 10, 53-55 O '62

BENDERY—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

A permanent propaganda center. M. Kuksin, I. or t. Mold. 8 no. 8, 62-65 Ag '63.

BENDING MACHINES

Modern equipment for cutting and bending reinforcing steel. N. E. Nosenko. Mekh. stroi. 20 no. 8, 25-28 Ag '63.

BENGAL, BAY OF—HYDROGEN SULFIDE

Hydrogen sulfide contamination of intermediate layers in the Arabian Sea and the Bay of Bengal V. N. Ivanenkov, A. G. Rozanov. Okeanologiia 1 no. 3, 443-449 '61

BENNET ISLAND—PHYSICAL GEOGRAPHY

Physical geography of Bennet Island. V. M. Kartushin. Sib. geog. sbor. no. 2, 60-99 '63.

BENTHOS see subdivision under Noril'sk region, Terpeniye Gulf

BENZALDEHYDE

Synthesis of some substituted p-dialkylaminobenzaldehydes. N. F. Tuntsyna, V. S. Il'inskaia. Zhur. ob. khim. 33 no. 8, 2656-2660 Ag '63.

BENZENE

Alkylation of benzene with 2-cyclohexylcyclohexanol in the presence of $AlCl_3$. A. D. Petrov and others Neftekhimiia 1 no. 3, 362-369 My-Je '61.

Infrared spectra of the condensation products of γ, γ, γ-trichlorocrotonic acid nitrile with benzene in the presence of aluminum chloride. A. D. Grebeniuk, M. R. IAgudaev. Zhur. ob. khim. 33 no. 10, 3253-3257 O '63.

Kinetic regularities of the accumulation of hydroperoxides in oxidation of p-diisopropylbenzene R. V. Kucher Neftekhimiia 3 no. 4, 572-578 Jl-Ag '63.

Nucleophilic substitution in the aromatic series. Part 3. Kinetics and mechanism of the reaction of 1, 2, 4, 5-tetrachlorobenzene with sodium ethylate in anhydrous alcohol. S. M. Shein, V. A. Ignatov. Zhur. ob. khim. 33 no. 8, 2645-2650 Ag '63.

Nucleophilic substitution in the aromatic series. Part 4. Kinetics and mechanism of the reaction of 1, 2, 4, 5-tetrachlorobenzene with sodium alcoholates in an alcohol medium. S. M. Shein, V. A. Ignatov. Zhur. ob. khim. 33 no. 8, 2667-2672 Ag '63.

Nucleophilic substitution in the aromatic series. Part 5. Kinetics of the reaction of 1, 2, 4, 5-tetrachlorobenzene with sodium alcoholates in a water-alcohol medium S. M. Shein, V. A. Ignatov. Zhur. ob. khim. 33 no. 8, 2690-2697 Ag '63.

Nucleophilic substitution of halogen for a nitro group in aromatic nitro compounds. Part 1. Interaction of tetranitro derivatives of benzene with halogen acids and phosphoryl chloride. G. M. Shutov and others. Zhur. ob. khim. 33 no. 10, 3210-3211 O '63.

Two-stage hydrogenation of commercial benzene in the presence of mixed catalysts. K. P. Lavrovskii, D. V. Makarov, IU. L. Fish. Neftekhimiia 1 no. 4, 500-513 Jl-Ag '61.

BENZENE—OPTICAL PROPERTIES

Dependence of molecular refractions on the chemical structure of alkyl benzenes, the dimensions, and the numbers of substituents. V. E. Nikitenkov. Zhur. struk. khim. 4 no. 5, 776-778 S-O '63.

BENZENEARSONIC ACID

Amperometric determination of thorium by means of thoron [with summary in English]. I. A. TSerkovnitskaia, L. Zhu-Tsziu [Yeh Ju-chiu]. Vest. LGU 18 no. 16, 135-136 '63.

BENZIMIDAZOLE

Effect of benzohexonium and dibazol on the development of experimental atherosclerosis in rabbits. N. A. Novikova. Nauch. inform. Otd. nauch. med. inform AMN SSSR no. 1, 20-21 '61.

BENZINDOLINE

Derivatives of benz[c, d]indoline. Part 10: 1-Amino- and 1-arylaminobenz[c, d]indoline-2-thione. N. S. Dokunikhin, G. I. Bystritskii. Zhur. ob. khim. 33 no. 8, 2714-2716 Ag '63.

BENZINDOLINONE

Derivatives of benz[c, d]indoline. Part 9: 1-Amino-5-bromo- and 1-phenylamino-6-bromobenz[c, d]indolin-2-ones. N. S. Dokunikhin, G. I. Bystritskii. Zhur. ob. khim. 33 no. 8, 2712-2714 Ag '63.

BENZOFURAN—SPECTRA

Coumarans, their synthesis and spectral studies. E. D. Laskina, T. A. Rudol'fi, V. N. Belov. Zhur. ob. khim. 33 no. 8, 2513-2518 Ag '63.

ENZOIC ACID

Effect of $C_5H_5NCH_3I$, $C_5H_5NC_2H_5I$, and $C_5H_5NC_3H_5Br$ on the solubility of benzoic acid in water. V. F. Sergeeva, F. A. Rivina. Zhur. ob. khim. 33 no. 10 3122-3123 O '63.

Liquid-phase catalytic oxidation of di-tert-butyltoluene for the purpose of obtaining di-tert-butylbenzoic acid. A. V. Nerdzarenko and others. Neftekhimiia 3 no. 4 546-557 Jl-Ag '63

ENZONITRILE

Addition of benzonitrile oxide to unsaturated compounds. Part 4. Condensation of benzonitrile oxide with substances containing a vinylacetylene grouping. V. N. Chistokletov, A. T. Troshchenko, A. A. Petrov. Zhur. ob. khim. 33 no. 8 2555-2559 Ag '63.

Catalytic synthesis of benzonitrile by means of the oxidative ammonolysis of aromatic compounds. A. D. Kiagarlitskii and others. Zhur. prikl. khim. 36 no. 8 1843-1852 Ag '63.

Condensation of α-methoxy-α-phenyl-β, β-dimethylethylene oxide with benzonitrile. T. I. Temnikova, T. P. Pliesko. Zhur. ob. khim. 33 no. 10 3436 O '63.

ENZOPYRENE

Content of 3, 4 benzpyrene in the waste waters of coke and chemicals industries. N. IA. IAnysheva, Z. P. Fedorenko, IA. I. Kostovetskii. Koks i khim. no. 10. 44-45 '63.

ENZOPYRENE—SPECTRA

Quantitative determination of 3, 4-benzopyrene according to the fine structure of the fluorescence spectrum. P. P. Dikun. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:74 '61.

ERG, AKSEL' IVANOVICH, 1893-

Noteworthy dates in science and technology. Shkola i proizv. 7 no. 10: 05-06 O '63.

ERGER, IZRAIL' ABRAMOVICH, 1895-1962

Izrail' Abramovich Berger. Zhur. nevr. i psikh. 62 no. 12:1890-1891 '62.

ERING SEA—OCEAN CURRENTS

Study of the surface currents in the Chukchi and Bering Seas. A. IA. Minevich. Okeanologiia 3 no. 5:940-942 '63.

ERING SEA REGION—ZOOGEOGRAPHY

Problem of the Bering land bridge in zoogeography. A. I. Kurentsov. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2 3-13 '63.

ERING STRAIT—OCEANOGRAPHY

Inflow of the Pacific Ocean water through the Bering Strait into the Chukchi Sea. Z. P. Fedorova, Z. S. IAnkina. Okeanologiia 3 no. 5:777-784 '63.

ERLIN—INTERNATIONAL STATUS

Remaining aggressors are furious. Mykhailo Nidze. Ukraina no. 19.6 O '62.

ERLIN—MOTION-PICTURE FESTIVALS

Dovzhenko Week" in the German Democratic Republic. Mystetstvo 10 no. 3:23 My-Je '63.

ERLIN, BATTLE OF, 1945

Mednikov, A. M. [Berlin notebook; stories of battles in Berlin] Berlinskaia tetrad', rasskazy o boiakh v Berline. Moskva, Sovetskii pisatel', 1962. 309 p. (Bill)

ERLIN, WEST—INTERNATIONAL STATUS

Legal problems relating to the normalization of the situation in West Berlin. V. A. Romanov. Sov. gos. i pravo 13 no. 10:87-97 O '63.

ERYL CRYSTALS

Striation of striation on {10$\bar{1}$0} prism faces of beryl crystals. V. G. Feklichev. Trudy IMGRE no. 7:138-149 '61.

ERYLLIUM

(see also subdivision under New Jersey)

High-strength BAL2 alloy. M. B. Al'tman, O. B. Lotareva, N. S. Postnikov. Alium. splavy no. 1:6-13 '63.

High-temperature polymorphism of beryllium. V. M. Arkhipenko and others. Fiz. met. i metalloved. 12 no. 6:865-872 D '61.

ERYLLIUM BRONZE—HARDENING

Effect of tensile stresses on the beryllium bronze aging process. M. G. Lozinskii, V. S. Mirotvorskii, A. G. Rakhshtadt. Fiz. met. i metalloved. 16 no. 3:366-369 S '63.

ERYLLIUM CHLORIDE

Determination of beryllium hydroxyfluoride and beryllium hydroxychloride in beryllium fluoride and beryllium chloride [with summary in English]. E. N. Deichman. Zhur. anal. khim. 18 no. 7:803-904 Jl '63.

ERYLLIUM COMPOUNDS

Crystalline structures of compounds rich in beryllium in the systems Mo - Be and W - Be. P. I. Kripiakevich, E. I. Gladyshevskii. Kristallografiia 8 no. 3,449-451 My-Je '63.

BERYLLIUM FLUORIDE

Determination of beryllium hydroxyfluoride and beryllium hydroxychloride in beryllium fluoride and beryllium chloride [with summary in English]. E. N Deichman. Zhur. anal. khim. 18 no. 7 903-904 Jl '63

BERYLLIUM HYDROXIDES

Determination of beryllium hydroxyfluoride and beryllium hydroxychloride in beryllium fluoride and beryllium chloride [with summary in English]. E. N Deichman. Zhur. anal. khim. 18 no. 7 903-904 Jl '63

BERYLLIUM-YTTRIUM ALLOYS see Yttrium-beryllium alloys

BESSEL'S FUNCTIONS

Special functions related to representations of class 1 of groups of motions of spaces of constant curvature. N. IA. Vilenkin. Trudy Mosk. mat. ob-va 12,185-257 '63.

BESSEMER PROCESS see subdivision under Ukraine

BESSEMER PROCESS—TESTING

Metal and slag composition during the blowing of converters by oxygen. V. I. Lapitskii, IU. S. Reshetniak. Izv. vys. ucheb. zav., chern. met. 6 no. 8:54-56 '63.

BESSMERTNYI, ISAAK SEMENOVICH, 1913-

I. S. Bessmertnyi; on his 60th birthday. V. A. Venikov and others. Elektrichestvo no. 10:93 O '63.

BETA-RAY SPECTROMETRY

Nature of highly excited levels in W^{182} [with summary in English]. S. V. Starodubtsev, R. B. Begzhanov, S. L. Rabovitskii. Zhur. eksp. i teor. fiz. 45 no. 4 921-926 O '63.

BETA RAYS—DECAY

Electromagnetic emission of atomic electrons in β-decay [with summary in English]. A. I. Greisen. Zhur. eksp. i teor. fiz. 15 no. 4:1133-1135 O '63.

Excitation of vibration levels in β-decay of nonspherical nuclei. IU. N. Deviatko, V. V. Lomonosov, M. G. Urin. Izv. AN SSSR. Ser. fiz. 27 no. 11 1427-1429 N '63.

BETAFIE see subdivision under Ladoga Lake region

BETAZINE

Effect of betazin (β-analog of diiodotyrosine) on the composition of lipids in the animal organism and the synthesis of thyroxine and its precursors in the thyroid gland. I. B. Fridliand, P. S. Popekhina, L. V. Ulenkova. Trudy VIZH 24 413-418 '62.

BEVEL-GEARING see Gearing, Bevel

BEVERAGES

Consultation and advice. Sov. potreb. koop. 7 no. 8:59-60 Ag '63.

BEZENCHUK—CORN (MAIZE)—VARIETIES

Characteristics of Bezenchuk corn early hybrids and varieties. N. V. Romenskii, L. R. Torzhinskaia, L. I. Novitskaia. Izv. vys. ucheb. zav.; pishch. tekh. no. 4: 20-23 '63.

BEZOAR

Gastrolith formation following systematic drinking of shellac; abstract. S. A. Perevoshchikov. Kaz. med. zhur. no. 1.110-111 Ja-F '01.

BEZSONOV, ANDREI IVANOVICH, 1875-1962

Andrei Ivanovich Bezsonov, obituary. Vest. AN Kazakh. SSR 18 no. 4:84 Ap '62

BHATTACHARYA, BHABANI

Back from a world of delusions. E. Kalinnikova. Az. i Afr. seg. no. 11:62-63 N '63.

BIBENZANTHRACENEDIONE

Catalytic oxidation with an ozone-oxygen mixture. Part 1: Oxidation of 2, 2'-dibenzanthronyl. V. A. IAkobi and others. Zhur. ob. khim. 33 no. 10:3369-3373 O '63.

BIBENZYLDISULFONIC ACID

Sigetin; experimental and clinical data. U Si-zhui [Wu Hsi-jui], A. I. Podlesnaia. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:18 '61.

BIBLE—PROPHECIES

Angels sowing death. A. IUrin. Nauka i rel. no. 2:29-34 F '62

BIBLIOGRAPHY

Among books. Sem'ia i shkola 18 no. 11:35-40 N '63.

Belaruskaia knizhnaia palata. [Books of the White Russian S. S. R., a classified bibliography, 1956-1960] Knihi Belaruskai SSR, zvodnaia bibliiagrafiia, 1950-1960. Minsk, Redaktsyina-vydavetski addzel knizhnai palaty pry Dziarzh. bibliiatetsy BSSR imia U. I. Lenina, 1963, 143 p.

Bibliographical work of the library of Tomsk University. M. R. Filimonov, D. P. Maslov. Sov. bibl. no. 5:31-36 '63.

[Book chronicle] Knizh. let. nos. 45-47 '63 Dopolnitel'nyi vypusk no. 10 '63

[Books of the year 1953; index of recommended literature for libraries] Knigi 1953 g no. 12 '54.

Brief book reviews. Nov. mir 39 no. 1 281-286 Ja '63.

Brief book reviews. Nov. mir 39 no. 2:282-286 F '63.

Brief news. Sov. bibl. no. 5 105-107 '63.

Brief notes on books. Priroda 52 no. 9 62, 85, 103, 119, 120 '63.

[Information about library work and bibliography abroad; materials] Inform. o bibliot. dele i bibl. za rub. Ja-Je '63.

[Information index of bibliographical lists and card files] Inform. ukaz. bibl. spis i kart 7 no. 19 O '63.

Leningrad. Publichnaia biblioteka. [Peace, work, communism, discussion of books] Mir, trud, kommunizm, besedy o knigakh. Leningrad, 1963 5 nos. in 1 v.

No. 4:

[Towards Lenin's principle of national control] Za leninskii printsip narodnogo kontrolia. 13 p.

[Fascism as an enemy of mankind] Fashizm - vrag chelovechestva. 14 p.

[The main road to the development of agriculture] Glavnyi put' razvitiia sel'skogo khoziaistva. 14 p.

[The voice of the world's youth] Golos iunosti mira. 15 p.

[The truth of life is the essence of art] Pravda zhizni - sushchnost' iskusstva. 15 p.

New books. Kommunist 40 no. 15:126 O '63

New books. Nov. mir 39 no. 1 287-288 Ja '63.

New books. Nov. mir 39 no. 2 287-288 F '63.

New books. Vest. AN Kazakh. SSR 18 no. 4 88-90 Ap '62

New books and booklets. Komm. Uz. 35 no. 8:96 Ag '63.

New books and booklets. Komm. Uz. 35 no. 9 95-96 S '63.

[New books; bibliographical weekly] Nov. knigi, bibl. ezhened. 8 nos. 45-48 N '63

[New books of the U. S. S. R.] Nov. knigi SSSR nos. 44-48 N '63.

[New literature on science and research abroad] Nov. lit. o nauke i nauch.-issl. rab. za rub. nos 7-9 '63.

[New Soviet literature on science and general research in the U. S. S. R.] Nov. sov. lit. o nauke i nauch.-issl. rab. v SSSR no. 10 '63.

Simon, K. R. [History of foreign bibliography] Istoriia inostrannoi bibliografii. Moskva, Izd-vo Vses. knizhnoi palaty, 1963 735 p.

We recommend these books to our readers. Komm. Bel. 37 no. 10 79 O '63.

BIBLIOGRAPHY—AFRICA

[New Soviet and foreign literature on the countries of the non-Soviet East] Nov. sov. i inostr. lit. po stran. zarub. Vost. no. 9 '63

BIBLIOGRAPHY—AGRICULTURE

[Agricultural literature of the U. S. S. R.] Sel'khoz. lit. SSSR nos. 7-8 '63.

Improve the publication of agricultural books. S. Moiseev. Sov. knizh. torg 15 no. 10:23 O '63.

[Information bulletin of new foreign books, received by the Lenin Library. Series 2; Biological, medical, and agricultural sciences] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2: Biol., med. i sel'khoz. nauki 6 nos. 30-33 O-N '63.

The rural reader is waiting for these books. L. Raskin. Sov. knizh. torg. 15 no. 10:20-22 O '63.

BIBLIOGRAPHY—ALKALI METALS

Bibliography of the literature about rare alkali metals. L. M. Mil'man. Sov. bibl. no. 5 77-79 '63.

BIBLIOGRAPHY—ANTARCTIC REGIONS

Bibliography. Inform. biul. Sov. antark. eksp. no. 35:69-72 '62.

BIBLIOGRAPHY—ARCHAEOLOGY

[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkheol. i etn. nos. 7/8-9 '63.

[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn nos. 7-9 '63.

BIBLIOGRAPHY—ASIA

[New Soviet and foreign literature on the countries of the non-Soviet East] Nov. sov. i inostr. lit. po stran. zarub. Vost. no. 9 '63.

BIBLIOGRAPHY—ATHEISM

Antireligious books for children. E. Ruchimskaia Shkola-int. no. 5 73-74 S-O '63.

[New Soviet and foreign literature on the problems of religion and atheism] Nov. sov. i inostr. lit. po vop. rel. i ateiz. no. 7 '63.

BIBLIOGRAPHY—AUDITING AND INSPECTION

Propagandist's bookshelf. Polit. samoobr. 7 no. 11: 138-141 N '63.

BIBLIOGRAPHY—AUTOMATIC CONTROL

Levin, M.I. [Cybernetics in our lives] Kibernetika v nashei zhizni; beseda o knigakh. Nauchn. red. L.P. Krasnogorskaia. Leningrad, Publichnaia biblioteka, 1962. 15 p. (Nauchnye doklady, no. 4)

BIBLIOGRAPHY—AUTOMATION

Articles in periodicals published in 1963. Pribory i sistemy upravleniia, no. 12, 47-48 D '63.

Books, pamphlets, dissertations. Standartizatsiia, no. 12, 42-44 D '63.

New books. Pribory i sistemy upravleniia, no. 10, 30-32, 4 of cover O '63.

BIBLIOGRAPHY—BIOLOGY

Biological journals. V.O.F. Murina. Priroda, 52 no. 9, 119-120 '63.

[International bulletin of new foreign books, received by the Lenin Library. Series 2. Biological, medical, and agricultural sciences] Informbiulleten' novykh inostr. knig, postupivshikh v Biblioteku V.I. Lenina. Ser. 2. Biol., med. i sel'skokhoz. nauki. 6 nos. 30-33. O-N '63.

BIBLIOGRAPHY—BOOKSELLERS AND BOOKSELLING

New publications. Sov. knigorg. no. 15, 15 no. 10, 15 O '63.

BIBLIOGRAPHY—BRITISH PERIODICALS

Guide to current British periodicals. T.I. Kurdeva. Sov. bibl., no. 5, 102-104 '63.

BIBLIOGRAPHY—BULGARIA

[New literature on Bulgaria] Nov. lit. po Bolg. no. 8/9 '63.

BIBLIOGRAPHY—CAPITALISM

Egorov, Iu.V. [The crisis of world capitalism, a manual for students of the program of the CPSU; a bibliography of recommended literature] Krizis mirovogo kapitalizma; v pomoshch' izucheniushchim programmu KPSS, rekomenditel'nyi ukazatel' literatury. Leningrad, Gos. publichnaia biblioteka, 1962. 90 p. (MiU)

BIBLIOGRAPHY—CEMENT INDUSTRIES

From the pages of foreign magazines. E. Kachinova. Tsement 29 no. 5, 23 S-O '63.

Reviews and bibliography. B.V. Volkonskii. Tsement 29 no. 5, 23-24 S-O '63.

BIBLIOGRAPHY—CHEMICAL MACHINERY

Bibliography. Khim. mashinostr. no. 3, 48 My-Je '63.

BIBLIOGRAPHY—CHEMISTRY

[Chemistry, classed index of articles in foreign periodicals] Khim., sist. ukaz. v inostr. zhur. no. 9 '63.

The publication "Physics and chemistry." A.IA. Cherniak. Sov. bibl. no. 5, 68-72 '63.

BIBLIOGRAPHY—CHEMISTRY, TECHNICAL

Reviews and bibliography. Khim. prom. no. 7, 553-555 Jl '63.

BIBLIOGRAPHY—CHILDREN'S LITERATURE

For young readers. I. Lukachevskaia. Nauka i zhizn', 4 no. 8, 91-94 Ag '63.

BIBLIOGRAPHY—CLOTHING INDUSTRY

New publications on the clothing industry. Shvein. prom. no. 3, 39-40 Je-Jl [i.e. My-Je] '61.

BIBLIOGRAPHY—COMMUNISM

Annotations. Vop. ist. KPSS. 7 no. 10, 136-141 O '63.

Articles on the history of communist parties published in foreign periodicals. Vop. ist. KPSS. 7 no. 10, 141-143 O '63.

Source materials and articles on the history of the CPSU and the international communist and labor movement published in August 1963 in periodicals, bulletins, and scholarly serials. Vop. ist. KPSS. 7 no. 10, 144-149 O '63.

BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION

November (1962) plenum of the Central Committee of the Communist Party of the Soviet Union. Kal. znam. i pam. dat. 8 no. 11, 27-30 N '63.

BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Bibliographical aids for propagandists and students of the system of political education. Polit. samoobr. 7 no. 9, 136-138 S '63.

Propagandist's bookshelf. Polit. samoobr. 7 no. 11, 138-141 N '63.

BIBLIOGRAPHY—CONSTRUCTION EQUIPMENT

From the pages of foreign magazines. Mekh. stroi. 20 no. 8, 32 Ag '63.

From the pages of Soviet magazines. Mekh. stroi. 20 no. 8, 30-31 Ag '63.

What to read. Stroitel' 9 no. 10, 31 O '63.

BIBLIOGRAPHY—COTTON GROWING

[Cotton growing on irrigated lands] Khlop. na poliv. zem. pt. 2 '62.

BIBLIOGRAPHY—CRUSADES

"Bibliography of the Crusades" [in German] by H.E. Mayer. Reviewed by M.V. Zaborov. Srednie veka no. 24, 290-296 '63.

BIBLIOGRAPHY—CYBERNETICS

Levin, M.I. [Cybernetics in our lives] Kibernetika v nashei zhizni; beseda o knigakh. Nauchn. red. L.P. Krasnogorskaia. Leningrad, Publichnaia biblioteka, 1962. 15 p. (Nauchnye doklady, no. 4)

BIBLIOGRAPHY—DISSERTATIONS, ACADEMIC

Akademiia pedagogicheskikh nauk RSFSR, Moscow. Nauchno-pedagogicheskii arkhiv. [Dissertations defended in the institutes of the Academy of the Pedagogical Sciences of the R.S.F.S.R. from 1944 to 1961] Dissertatsii zashchishchennye v institutakh Akademii pedagogicheskikh nauk RSFSR za 1944-1961 gg. Moskva, Akad. pedagog. nauk RSFSR, 1962. 163 p. (MH)

BIBLIOGRAPHY—ECONOMICS

[New foreign books on the social sciences, economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam, ekon., filos., ist., mezhdunar. otn. 6 no. 11 N '63.

[New foreign economic literature] Nov. inostr. ekon. lit. no. 9 '63.

BIBLIOGRAPHY—EDUCATION

Among the new publications of pedagogical literature. E. Lebedeva. Nar. obr. no. 10, 113-116 O '63.

[Literature on the pedagogical sciences and public education] Lit. po ped. naukam i nar. obr. Oct.-Dec. 1962. no. 4 '63.

BIBLIOGRAPHY—ELECTRIC POWER PLANTS

B.D. Kharin's book "Organization of the construction of thermal electric power plants." N.IA. Turchin. Prom. stroi. 41 no. 9, 55-56 S '63.

BIBLIOGRAPHY—ELECTRONICS

Dissertations for the degree of candidate of technical sciences. M.D. Anvelt. Izv. vys. uchеb. zav., radiotekh. 6 no. 4, 450-453 Jl-Ag '63.

BIBLIOGRAPHY—ENGELS, FRIEDRICH, 1820-1895

Friedrich Engels. Kal. znam. i pam. dat. 8 no. 11, 40-44 N '63.

BIBLIOGRAPHY—ETHNOLOGY

[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkheol. i etn. nos. 7/8-9 '63.

[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn. nos. 7-9 '63.

BIBLIOGRAPHY—FISHERIES

New literature on the fishing industry. Ryb. khoz. 38 no. 11, 95 '62.

BIBLIOGRAPHY—FOUNDATIONS

Reviews and bibliography. Osn., fund. i mekh. grun. 5 no. 4, 31-32 '63.

BIBLIOGRAPHY—GEOGRAPHY

Book reviews. Geog. v shkole. 26 no. 5, 90-96 S-O '63.

BIBLIOGRAPHY—GEOLOGY

Index to works by the associates of the Institute of Geology of the Academy of Sciences of the Uzbek S.S.R., 1937-1962 (continuation). Uzb. geol. zhur. 7 no. 3, 86-90 '63.

List of Professor L.B. Rukhin's published works. Uch. zap. LGU no. 310, 275-280 '62.

Literature on geology received by the library of the Department of Earth Sciences of the Academy of Sciences of the U.S.S.R. in July 1963. Izv. AN SSSR, Ser. geol. 28 no. 10, 105-116 O '63.

BIBLIOGRAPHY—GEOPHYSICS

Summaries of articles on geomagnetism and aeronomy published in "Izvestiia vysshikh uchebnykh zavedenii. Radiofizika," vol. 5, no. 3, 1962. Geomag. i aer. 3 no. 5, 997-998 S-O '63.

BIBLIOGRAPHY—GERMANY, EAST

[New literature on the German Democratic Republic] Nov. lit. po Ger. Dem. Resp. nos. 7-9 '63.

BIBLIOGRAPHY—GLACIAL EPOCH

Opochinskaia, E.A., and K.V. Zhukovskaia. [Basic characteristics of the development of nature on the territory of the U.S.S.R. in the Quaternary (glacial epoch)] Osnovnye zakonomernosti razvitiia prirody territorii SSSR v chetvertichnom periode (lednikovom periode-antropogene). Pod red. G.I. Lazukova. Moskva, Mosk. gos. univ. im. M.V. Lomonosova.

Pt. 2 [Bibliography, 1940-1960] Bibliografiia, 1940-1960 gg.
No. 1, 1962. 251 p.

BIBLIOGRAPHY—GROWTH

Isaev, P.O. [Bibliography of Soviet literature on problems of the physical development and physical training of children and adults] Bibliograficheskii ukazatel' literatury po voprosam fizicheskogo razvitiia i fizicheskogo vospitaniia detskogo i vzrosloge naseleniia. Alma-Ata, M-vo zdravookhraneniia Kazakh. SSR, 1957. 153 p. (MH)

BIBLIOGRAPHY—HISTORY

Books about the heroic past which will never [illegible] F.I. Chernyshev. Mol. rabot. 16 no. 2, [illegible]

Foreign reviews of Soviet historical studies. Vop. ist. 38 no. 10, 198-199 O '63.

Historical articles in periodicals published [illegible] countries. Vop. ist. 38 no. 10, 176-178 O '63.

Historical articles published in Soviet periodicals. Vop. ist. 38 no. 10, 159-167 O '63.

New books. Vop. ist. 38 no. 10, 151-159 O '63.

[New foreign books on the social sciences, economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam, ekon., filos., ist., mezhdunar. otn. 6 no. 11 N '63.

[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkheol. i etn. nos. 7/8-9 '63.

[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn. nos. 7-9 '63.

The Publishing House of Socioeconomic Literature [illegible] publish these studies in 1964. A.V. Vnukov. [illegible] i novykh. ist. no. 6, 185-186 '63.

Source materials and articles on the history of [illegible] and the international communist and labor movement published in August 1963 in periodicals, bulletins, and scholarly serials. Vop. ist. KPSS. 7 no. 10, 144-149 O '63.

BIBLIOGRAPHY—HISTORY, MODERN

Books, documentary materials, and articles [illegible] and near-contemporary history published in [illegible] the U.S.S.R. Nov. i noveishi. ist. no. 5, 173 [illegible]

BIBLIOGRAPHY—HUNGARY

[New literature on Hungary] Nov. lit. po Vengr. [illegible] '63.

BIBLIOGRAPHY—HYDROLOGY

Literature on meteorology and hydrology in [illegible] Meteor. i gidrol. no. 11, 57-61 N '63.

Literature on meteorology and hydrology published [illegible] 1962. Meteor. i gidrol. no. 10, 58-62 O '63.

BIBLIOGRAPHY—HYDROMETEOROLOGY

Mezhdunarodnaia Kniga, Moscow. [New Soviet books from the Hydrometeorology Publishing House] [illegible] Sovetskie novye knigi Gidrometeoizdata 1961, [illegible] [1960?] 96 p. (Katalog dlia znatokov, no. 5)

BIBLIOGRAPHY—INDUSTRIAL MANAGEMENT

Leningradskii dom nauchno-tekhnicheskoi propagandy. Nauchno-tekhnicheskaia biblioteka. [Mechanization and automation of engineering, technical and [illegible] operations in industry; bibliography] Mekhanizatsiia i avtomatizatsiia inzhenerno-tekhnicheskogo i [illegible] stativno-upravlencheskogo truda v promyshlennosti; bibliograficheskii ukazatel'. Pod red. B.I. Kats. [illegible] grad, 1961. 27 p.

BIBLIOGRAPHY—INSTRUMENTS

Articles from periodicals published in 1963. Pribory i sistemy upravleniia no. 10, 32, 3 of cover O '63.

New books. Priborostroenie no. 10, 30-32, [illegible] O '63.

BIBLIOGRAPHY—INTERNATIONAL RELATIONS

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam, ekon., filos., ist., mezhdunar. otn. 6 no. 11 N '63.

BIBLIOGRAPHY—KAZAKHSTAN

[Kazakhstan; a bibliography for 1955] Kazakhstan v bibliografii za 1956 god. [Alma-Ata, Gos. respublikanskaia biblioteka Kazakhskoi SSR im. A.S. Pushkina, 1963] 341 p.

BIBLIOGRAPHY—KUMA VALLEY—PETROLEUM GEOLOGY

Bibliography. Neftianik 8 no. 6, 36 Je '63.

BIBLIOGRAPHY—LANGUAGE AND LANGUAGES

Moscow. Publichnaia biblioteka. Otdel spravochno-bibliograficheskoi i informatsionnoi raboty. [The bibliography of bibliographies on linguistics; annotated] Obzornaia bibliography of Soviet publications] Bibliograficheskii ukazatel' literatury po iazykoznaniiu; annotirovannyi sistematicheskii ukazatel' otechestvennykh izdanii. Moskva, [illegible] 411 p.

[New foreign literature on linguistics] Nov. inostr. lit. po iaz. nos. 7-9 '63.

[New Soviet literature on linguistics] Nov. sov. lit. po iaz. nos. 7-9 '63.

BIBLIOGRAPHY—LAW

[New Soviet legal studies published in June and July of 1963] Sov. gos. i pravo 33 no.10:170-175 O '63

BIBLIOGRAPHY—LAZAREV, MIKHAIL PETROVICH, 1788-1851

V. P. Lazarev. Kal. znam. i pam. dat 8 no. II 23-26 N '63 [sic].

BIBLIOGRAPHY—LIBRARY SCIENCE

[New books. Bibliotekar' no.9:63-64 S '63.

BIBLIOGRAPHY—LIGHTING

Optics and lighting engineering. Tekh. kino i telev. 6 no.3 90-92 Mr '62

BIBLIOGRAPHY—LIPETSK PROVINCE

Lipetsk (Province) Oblastnaia biblioteka. [Literature on Lipetsk Province published in 1957] Literatura o Lipetskoi oblasti za 1957 god. Lipetsk, Leninskoe znamia, 1959. 200 p. (NNC)

BIBLIOGRAPHY—LITERATURE

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. biul. nov. inostr. knig, postup. v Gos. bib. im. V. I. Len. Ser. 3: Obshchestv. nauki, khud. lit., iskusstv. 6 nos. 30-33 O-N '63.

BIBLIOGRAPHY—LITERATURE—HISTORY AND CRITICISM

[New foreign literature on the study of literature] Nov. inostr. lit. po lit. nos. 8-9 '63

[New Soviet literature on the study of literature] Nov. sov. lit. po lit. nos. 8-9 '63.

BIBLIOGRAPHY—MACHINE TOOLS

Books, dissertations, periodicals. Stan. i instr. 34 no.9 42-45 S '63.

Books, periodicals, dissertations. Stan. i instr. 34 no.10 42-44 O '63.

BIBLIOGRAPHY—MACHINERY

Annual catalog of the State Scientific and Technical Publishing House of Literature on Machinery. N. N. Orlov. Stan. i instr. no.5 87-88 '63.

BIBLIOGRAPHY—MACHINERY INDUSTRY

Books, dissertations, periodicals. Stan. i instr. 34 no.9 42-45 S '63.

From the pages of technical journals. B. K. Kharitonov. Tra. i sel'khozmash. 33 no.8 48 Ag '63.

New books. Vest. mashinostr. 43 no.10:91-93 O '63.

Review of foreign periodicals. Vest. mashinostr. 43 no.10 93-94 O '63.

BIBLIOGRAPHY—MAGNETIC RECORDERS AND RECORDING

Handbook on magnetic tapes. I. P. Osipova. Sov. bibl. no.5 88-89 '63.

BIBLIOGRAPHY—MEAT INDUSTRY

Review and bibliography. Miasn. ind. SSSR 34 no.5 59-61 '63.

BIBLIOGRAPHY—MEDICINE

[Information bulletin of new foreign books, received by the Lenin Library. Series 2: Biological, medical, and agricultural sciences] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2: Biol., med. i sel'khoz. nauki 6 nos. 30-33 O-N '63.

Moscow. Gosudarstvennaia nauchnaia meditsinskaia biblioteka. [Scientific medical literature of the U.S.S.R., index of books and articles for the second half of 1960] Nauchnaia meditsinskaia literatura SSSR, ukazatel' knig i statei za vtoroe polugodie 1960 g. Sost. Bibliograficheskim otdelom GTsNMB. Pod red. N.S. Korsakovoi. Moskva, Medgiz, 1963. 749 p.

BIBLIOGRAPHY—METALS

New books. Metalloved. i term. obr. met. no. 11:64,3 of cover N '63.

BIBLIOGRAPHY—METEOROLOGY

Literature on meteorology and hydrology in 1962. Meteor. i gidrol. no. 11:57-61 N '63.

Literature on meteorology and hydrology published in 1962. Meteor. i gidrol. no. 10:58-62 O '63.

BIBLIOGRAPHY—MIDDLE AGES

Articles on the history of the Middle Ages published in 1959-1961 in "Irish historical studies." T. S. Osipova. Sred. veka no. 24 299-302 '63.

Soviet studies on the history of the Middle Ages published in 1961. I. L. Frolova. Sred. veka no. 24 313-324 '63.

BIBLIOGRAPHY—MILITARY ART AND SCIENCE

These books will be published in 1962. Voen. vest. 41 no.1 125-126 Ja '62.

BIBLIOGRAPHY—MILITARY EDUCATION

To readers and authors of "Voennyi vestnik." Voen. vest. 41 no.11:126 N '61.

BIBLIOGRAPHY—MINING ENGINEERING

Foreign periodical literature. Gor. zhur. no. 10:80-3 of cover O '63.

New literature. Ugol' 38 no.9.64 S '63.

BIBLIOGRAPHY—MONGOLIA

Mongolian People's Republic. Kal. znam. i pam. dat 8 no. II 35-39 N '63

BIBLIOGRAPHY—MOTION-PICTURE PHOTOGRAPHY

Filming and projection of motion pictures. Tekh. kino i telev. 6 no.3 86-89 Mr '62

BIBLIOGRAPHY—MOTION-PICTURE PHOTOGRAPHY—FILMS

Motion-picture film and its photographic processing. Tekh. kino i telev. 6 no.3 92-94 Mr '62

BIBLIOGRAPHY—MOTION-PICTURE PROJECTION

Filming and projection of motion pictures. Tekh. kino i telev. 6 no.3 86-89 Mr '62

BIBLIOGRAPHY—MOTION PICTURES

Bibliography of literature on motion pictures. L. I. Malkovich. Sov. bibl. no.5,81-81 '63.

BIBLIOGRAPHY—MOTOR VEHICLES

New books. Avt. prom. 29 no.8:48 Ag '63.

BIBLIOGRAPHY—NATURE STUDY

The publication "Living nature." A. F. Sadoflev. Sov. bibl. no.5 65-68 '63.

BIBLIOGRAPHY—NEWSPAPERS

Russia (1923- U.S.S.R.) Glavnoe upravlenie po rasprostraneniiu pechati. [Classified catalog of foreign newspapers and magazines for the year 1964] Katalog zarubezhnykh gazet i zhurnalov na 1964 god, tematicheskii. Moskva, 1963. 270 p.

——— ——— ——— [Supplement] Dopolnenie. 15 p.

BIBLIOGRAPHY—OFFICE EQUIPMENT AND SUPPLIES

Leningradskii dom nauchno-tekhnicheskoi propagandy. Nauchno-tekhnicheskaia biblioteka. [Mechanization and automation of engineering, technical and managerial operations in industry; bibliography] Mekhanizatsiia i avtomatizatsiia inzhenerno-tekhnicheskogo i administrativno-upravlencheskogo truda v promyshlennosti, bibliograficheskii ukazatel'. Pod red. R. I. Kats. Leningrad, 1961. 27 p.

BIBLIOGRAPHY—OPHTHALMOLOGY

Bibliographical index of scientific papers published during 25 years (1936-1961) by the Ukrainian Institute for Eye Diseases and Tissue Therapy. E. G. Ershkovich, V. A. Rukin. Ueh. zap. UEIGB 5:333-400 '62.

BIBLIOGRAPHY—OPTICS

Optics and lighting engineering. Tekh. kino i telev. 6 no.3 90-92 Mr '62.

BIBLIOGRAPHY—ORE DRESSING

New literature on mining. Gor. zhur. no.10:80 O '63.

BIBLIOGRAPHY—ORGANOTHERAPY

Bibliographical index of scientific papers published during 25 years (1936-1961) by the Ukrainian Institute for Eye Diseases and Tissue Therapy. E. G. Ershkovich, V. A. Rukin. Ueh. zap. UEIGB 5 333-400 '62.

BIBLIOGRAPHY—OUT-OF-PRINT BOOKS

Bruk, V. N. [Alphabetical catalog of out-of-print publications, a bibliographical manual for organizations and enterprises of the book trade] Alfavitnyi spravochnik ustarevshikh izdanii, bibliograficheskoi posobie dlia organizatsii i predpriiatii knizhnoi torgovli. Moskva, Izd-vo vses. knizhnoi palaty, 1960. 342 p. (NNC)

BIBLIOGRAPHY—PAINT INDUSTRY

Literature on paint materials and their application. Lakokras. mat. i ikh prim. no. 4:86-87 '62.

BIBLIOGRAPHY—PAPER INDUSTRY

Useful books and articles for papermakers. Bum. prom. 38 no.10 3-4 of insert O '63.

BIBLIOGRAPHY—PERIODICALS

Russia (1923- U.S.S.R.) Glavnoe upravlenie po rasprostraneniiu pechati. [Classified catalog of foreign newspapers and magazines for the year 1964] Katalog zarubezhnykh gazet i zhurnalov na 1964 god, tematicheskii. Moskva, 1963. 270 p.

——— ——— ——— [Supplement] Dopolnenie. 15 p.

BIBLIOGRAPHY—PETROLEUM INDUSTRY

New books. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 1:50, 72, 82 '62.

BIBLIOGRAPHY—PHARMACY

Annotations of dissertations on pharmaceutical topics defended in 1962-1963. A. M. Fil'kin. Apt. delo 12 no.5:88-92 S-O '63.

BIBLIOGRAPHY—PHILOSOPHY

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. 6 no.11 N '63.

[New Soviet literature on philosophy] Nov. sov. lit. po filos. nos. 8-9 '63.

BIBLIOGRAPHY—PHYSICAL EDUCATION AND TRAINING

Scientific publications of 1962. V. M. Zatsiorskii. Teor. i prak. fiz. kul't. 26 no.1 57-59 Ja '63.

BIBLIOGRAPHY—PHYSICS

The publication "Physics and chemistry." A. IA. Chernak. Sov. bibl. no.5 68-72 '63.

BIBLIOGRAPHY—PIPELINES

Unsuccessful book. K. K. Smirnov. Stroi. truboprov. 8 no.8:35-36 Ag '63.

BIBLIOGRAPHY—POLAND

[New literature on Poland] Nov. lit. po Pol'. nos. 7/8-9 '63

BIBLIOGRAPHY—POLICE

Soviet Police Day. Kal. znam. i pam. dat 8 no. II:14-16 N '63.

BIBLIOGRAPHY—POSTERS

Materials on posters. Bibliotekar' no. 10:32-33 O '63.

BIBLIOGRAPHY—PRINTING—HISTORY

Accounts of the historiography of early Russian printing. E. L. Nemirovskii. Kniga, issl. i mat. 8:5-42 '63.

BIBLIOGRAPHY—PRODUCTION STANDARDS

Literature on the regulation of production standards and wages. Khleb. i kond. prom. 5 no. 1 46-47 Ja '62

New books on unified work norms and wages. Gidrolliz i lesokhim. prom. 14 no. 8 26 '61

BIBLIOGRAPHY—RAILROADS—SWITCHES

List of used literature. Trudy KIIIT no. 57:60-61 '62.

BIBLIOGRAPHY—REFRIGERATORS

From the pages of foreign magazines. Tsement 29 no. 1:24-3 of cover Ja-Ag '63.

BIBLIOGRAPHY—RELIGION

New books. Nauka i rel. no. 2 64 F '62

[New Soviet and foreign literature on the problems of religion and atheism] Nov. sov. i inostr. lit. po vop. rel. i ateiz. no. 7 '63

BIBLIOGRAPHY—RUBBER

New books on caoutchouc and rubber published in foreign countries. V. A. Baranovich. Kauch. i rez. 22 no. 10: 61-62 O '63.

New foreign books on caoutchouk and rubber. V. A. Baranovich. Kauch. i rez. 22 no. 9:64 S '63.

BIBLIOGRAPHY—RUSSIA

Reference work in regional studies. A. Mamontov. Bibliotekar' no. 9 46-48 S '63.

BIBLIOGRAPHY—RUSSIA—ARMED FORCES

Artilleryman's Day. Kal. znam. i pam. dat 8 no. II:31-34 N '63.

BIBLIOGRAPHY—RUSSIA—HISTORY

Notes. Vop. istorii. 8 no. 2:116-120 Ap-Je '63.

Publication of studies on the history of the great decade. S. M. Maiorov. Vop. ist. KPSS 7 no. 10, 152-156 O '63.

BIBLIOGRAPHY—RUSSIA—INDUSTRIES

Moscow. Publichnaia biblioteka. [Building the material and technical basis of communism, bibliography of recommended literature] Za sozdanie material'no-tekhnicheskoi bazy kommunizma; rekomendatel'nyi ukazatel' literatury. Moskva, 1963. 179 p.

BIBLIOGRAPHY—RUSSIA—LITERATURES

Timely bibliographical publication. IU. G. Kondrat'eva. Sov. bibl. no.5 79-81 '63.

BIBLIOGRAPHY—RUSSIA—REVOLUTION, 1917-1921

The Great October Socialist Revolution. Kal. znam. i pam. dat 8 no. II:4-14 N '63.

BIBLIOGRAPHY—RUSSIAN LITERATURE

Bibliography. Oktiabr' 39 no. 12:210-216 D '62.

Guide to "Studies." I. N. IAkhina. Sov. bibl. no. 5:90-91 '63.

Problems in the subject bibliography of belles lettres. I. G. Morgenshtern. Sov. bibl. no. 5,46-50 '63.

Tables of Russian bibliography. I. M. Kaufman. Sov. bibl. no. 5:72-77 '63.

BIBLIOGRAPHY—RUSSIAN PERIODICALS

New volume of the "Chronicle of periodical publications of the U.S.S.R." Sov. bibl. no. 5-92 '63.

BIBLIOGRAPHY—SCIENCE

[Information bulletin of new foreign books, received by the Lenin Library. Series 1: Physical, mathematical, chemical, geological, and geographical sciences; technology and technological sciences] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1: Fiz.-mat., khim. i geol.-geog. nauki; tekh. i tekh. nauki 6 nos. 30-33 O-N '63.

732-705 O - 64 - 11

BIBLIOGRAPHY—SCIENCE (Continued)

Natural sciences, self-education, and the bibliography of recommended literature. S. S. Levina. Sov. bibl. no. 5 11-25 '63.

New books. Vest. AN SSSR 33 no. 10 123-126 O '63.

[New foreign books. Series A: Mathematics, mechanics, astronomy, physics, geophysics, chemistry, geology] Nov. knigi za rub. Ser. A. Mat., mekh., astron., fiz., geofiz., khim., geol. 16 no. 11 N '63.

Popular scientific publications of the Academy of Sciences of the U. S. S. R. V. A. Bolarskii. Kniga, issl. i mat. 8, 45-65 '63.

BIBLIOGRAPHY—SHIPBUILDING

Bibliography. Sudostroenie 29 no. 4-16, 27, 38, 48, 50, 59, 72 S '63.

BIBLIOGRAPHY—SIBERIA, WESTERN

[Literature on Western Siberia, 1960] Lit. o Zap. Sib. 1960 No. 2 '62.

BIBLIOGRAPHY—SLAVIC LANGUAGES

Akademiia nauk SSSR. Institut russkogo iazyka. [Slavic linguistics, a bibliographic index to the literature published in the U. S. S. R. from 1918 to 1960] Slavianskoe iazykoznanie, bibliograficheskii ukazatel' literatury izdannoi v SSSR s 1918 po 1960 gg. Moskva, Izd-vo Akad. nauk SSSR.
Pts. 1-2 1963

BIBLIOGRAPHY—SLAVIC LITERATURE

Works on foreign Slavic literatures published in the U. S. S. R. during 1961. A. V. Zaitseva. Lit. slav. nar. 8:254-266 '63.

BIBLIOGRAPHY—SOBOLEVSKII, SERGEI IVANOVICH, 1864-1963

S. I. Sobolevskii, obituary. Vest. drev. ist. no. 3 194-198 '63.

BIBLIOGRAPHY—SOCIAL SCIENCES

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3 Obshchestv. nauki, khud. lit., iskusstvo 6 nos. 30-33 O-N '63.

BIBLIOGRAPHY—SOCIALIST PROPERTY

Propagandist's bookshelf. Polit. samoobr. 7 no. 11 138-141 N '63.

BIBLIOGRAPHY—STARCH INDUSTRY

From pages of information bulletins of economic councils. Sakh. prom. 36 no. 9 75-76 S '62.

BIBLIOGRAPHY—SUGAR

From the new technical and agricultural literature. Sakh. prom. 37 no. 11 77-78 N '63.

BIBLIOGRAPHY—SUGAR INDUSTRY

From pages of information bulletins of economic councils. Sakh. prom. 36 no. 9:75-76 S '62.

From the new technical and agricultural literature. Sakh. prom. 36 no. 9:76-79 S '62.

BIBLIOGRAPHY—TATAR A.S.S.R.—PETROLEUM PRODUCTION

Bibliography. Neftianik 8 no. 6, 36 Je '63.

BIBLIOGRAPHY—TECHNOLOGY

Coordination of reference and bibliographical work on technology. V. M. Pimenova, A. V. Zarutskaia. NTI no. 3:10-12 '63.

[Information bulletin of new foreign books, received by the Lenin Library. Series 1. Physical, mathematical, chemical, geological, and geographical sciences, technology and technological sciences] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1: Fiz.-mat., khim. i geol.-geog. nauki, tekh. i tekh. nauki 8 nos. 30-33 O-N '63.

Practices in using foreign bibliographical information. T. A. Vvedenskii. Sov. bibl. no. 5:43-45 '63.

Timely bibliographical manual. M. N. Bespalov. Sov. bibl. no. 5 60-62 '63.

BIBLIOGRAPHY—TELEVISION

Television. Tekh. kino i telev. 6 no. 3:83-84 Mr '62.

BIBLIOGRAPHY—TIKHOMIROV, MIKHAIL NIKOLAEVICH, 1893-

Akademiia nauk SSSR. Mikhail Nikolaevich Tikhomirov. Vstup. stat'ia V. I. Shunkova. Bibliografiia sostavlena R. I. Gorlachevoi. Moskva, 1963. 71 p. (Materialy k biobibliografii uchenykh SSSR. Seriia istorii, no. 6)

BIBLIOGRAPHY—TRANSBAIKALIA

Chita. Oblastnaia biblioteka imeni A. S. Pushkina. [Transbaikalia, our dear region; aids for libraries' work with regional literature] Krai nash rodnoi - Zabaikal'e; v pomoshch' rabote bibliotek s kraevedcheskoi literaturoi. Chita, 1961. 63 p.
[MICROFILM]

BIBLIOGRAPHY—TRANSPORTATION, AUTOMOTIVE

New books. Avt. transp. 41 no. 8:63 Ag '63.

BIBLIOGRAPHY—UKRAINE—AGRICULTURE

New books. Visnyk sil'hosp. nauky 6 no. 4:121 Ap '63.

BIBLIOGRAPHY—UKRAINE—CLAY

"Clays of the Ukraine." R. S. Kats, M. S. Komskaia. Sov. bibl. no. 5 86-87 '63.

BIBLIOGRAPHY—UKRAINIAN LANGUAGE

Works on linguistics and methodology of the language, short bibliography. Ukr. mova i lit. v shkoli 13 no. 1, 85-88 Mr '63.

BIBLIOGRAPHY—UKRAINIAN LITERATURE

What to read on the topic "Old Ukrainian literature." M. Verbivets'. Ukr. mova i lit. v shkoli 13 no. 7 92-93 S '63.

BIBLIOGRAPHY—UZBEKISTAN

[Book chronicle of the State Book Chamber of the Uzbek S. S. R.] Knizh. let. Gos. knizh. pal. Uz. SSR nos. 1-3 Ja.-Mr '59.

BIBLIOGRAPHY—UZBEKISTAN—INDUSTRIES

New books by Uzbekistan scholars. Nar. khoz. Uzb. 6 no. 10 11 O '63.

BIBLIOGRAPHY—VETERINARY MEDICINE

New books in veterinary medicine. Veterinariia 37 no. 2 81-82 F '60

BIBLIOGRAPHY—VOCATIONAL EDUCATION

Bibliography and the training of workers. S. Kriuchkovskii. Prof.-tekh. obr. 20 no. 9:32 S '63.

BIBLIOGRAPHY—VORONEZH PROVINCE

[Literature on Voronezh Province, 1957-1959, bibliography] Literatura o Voronezhskoi oblasti za 1957-1959 gody, ukazatel' literatury. [Voronezh] Voronezhskoe knizhnoe izd-vo, 1961. 251 p.

BIBLIOGRAPHY—WAGES

Literature on the regulation of production standards and wages. Khleb. i kond. prom. 6 no. 1 46-47 Ja '62.

New books on unified work norms and wages. Gidroliz i lesokhim. prom. 14 no. 8, 26 '61

BIBLIOGRAPHY—WELDING

Foreign publications on welding. Svar. proizv. no. 10: 46-47 O '63.

Soviet publications on welding. Svar. proizv. no. 10:45-46 O '63.

BIBLIOGRAPHY—WOOD-USING INDUSTRIES

[Literature on forest and paper industries] Lit. po les. i bum. prom. no. 66 '62

BIBLIOGRAPHY—WOODWORKING INDUSTRIES

From the pages of technical and economic bulletins. Der. prom. 12 no. 8 insert 2-4 Ag '63.

New books. Der. prom. 12 no. 8 31 Ag '63.

BIBLIOGRAPHY—WORLD POLITICS

Important problems of our day. Kul't. i zhizn. 7 no. 10: 46-47 '63.

BIBLIOGRAPHY—YOUTH

World Youth Day. Kal. znam. i pam. dat. 8 no. 11:19-22 N '63.

BIBLIOGRAPHY—YUGOSLAVIA

[New literature on Yugoslavia] Nov. lit. po IUg. no. 9 '63.

Socialist Federative Republic of Yugoslavia. Kal. znam. i pam. dat. 8 no. 11-45-48 N '63.

BIBLIOGRAPHY (THEORY, METHODS, ETC.)

Current problems of State bibliography and the statistics of the mass. A. I. Serebrennikov. Sov. bibl. no. 5:3-13 '63.

Problems of bibliography and documentation in the Arab countries. B. P. Kanevskii. Sov. bibl. no. 5:93-102 '63.

BICILLIN

Histopathological changes in secondary syphilids of the skin following treatment with bicillin-1 and 3 [with summary in English]. N. A. IAroshetskaia. Vest. derm. i ven. 36 no. 10 46-49 O '62.

BICYCLIC COMPOUNDS

Derivatives of morpholine. Part 2: Interaction of morpholine with 3, 3-bis(chloromethyl)oxacyclobutane and 2, 2-bis(chloromethyl)trimethylene glycol. S. Z. Kaplan, A. S. Zvontsova. Zhur. ob. khim. 33 no. 10:3412-3414 O '63.

BIG BUSINESS see subdivision under European Economic Community Countries

BILA (PRUT VALLEY)—STONE IMPLEMENTS

Bila, a late paleolithic site on the Prut. N. F. Petrichenko. Sov. arkheol. 7 no. 3:215-218 '63.

BILE

Effect of bile on some species of pathogenic intestines. I. S. Shuliak. Trudy Mosk. vet. akad. 12, 107-115 '63.

Effect of parsley juice and decoction on the secretory and motor functions of the stomach and the biliary secretion [with summary in English]. Kh. Bratishi, V. Grancharova, Z. Mladenova. Vop. pit. 22 no. 1 13-17 Ja-F '63.

Effect of the amino alcohols of diethanolamine, choline and dimethylethanolamine on the secretion and chemistry of bile. A. A. Mnatsakanian. Izv. AN Arm. SSR, Biol. nauki 16 no. 7, 35-40 Jl '63.

BILE ACIDS

Importance of determining bile acids in blood serum for the diagnosis of aborted forms of hepatitis. V. I. Dozortsev, A. P. Sokolovskaia. Nauch. inform. Otd. nauch. inform. AMN SSSR no. 1 26-27 '61

BILE DUCTS—FOREIGN BODIES

Metal fragment in the common bile duct from a wound received 18 years previously, abstract. D. M. Muradinov. Kaz. med. zhur. no. 1 111 Ja-F '61.

BILIARY CALCULI see Calculi, Biliary

BILIBIN, IVAN IAKOVLEVICH, 1876-1942

Bilibin, I. IA. [Selected works] Izbrannye proizvedeniia. Moskva, Sovetskii khudozhnik, 1961. [2] l., 21 plates. [Text by N. Popova]
(MiU)

BINDING ENERGY

Isotope masses and nucleon binding energies in the rare-earths region ($150 \leq A \leq 176$, $63 \leq Z \leq 71$). N. A. Demirkhanov, V. V. Dorokhov, M. I. Dzkuia. Izv. AN SSSR, Ser. fiz. 27 no. 10:1338-1356 O '63.

BINDING MATERIALS

Developing new core binding materials. V. A. Kuznetsova. Alium. splavy no. 1 221-225 '63.

BIOCHEMISTRY

At the frontier of life. V. Chernetskyi. Nauka i zhyttia 12 no. 3:12-14 Mr '63.

Changes occurring in the meat after the slaughtering of the animal. A. A. Sokolov, M. S. El-Dashlaty. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:86-89 '63.

Determination of nitrogen by Kjeldahl micromethod. IU. IA. Gofman. Trudy po khim. pritod. soed. no. 5: 79-83 '62

Joint Conference of the Academy of Sciences of the U. S. S. R., the All-Union Academy of Agricultural Sciences, and the Ministry of Agriculture of the U. S. S. R. on Biologically Active Preparations in Cattle Breeding. E. D. Mikhlin. Vest. AN SSSR 33 no. 10:109-113 O '63.

Method for the separation of corn starch as related to its biochemical properties. A. P. Pisanskii. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:24-29 '63.

BIOCHEMISTRY—ABSTRACTS

[Biochemistry] Ref. zhur.; Biol. khim. no. 22 N '63.

BIOENERGETICS

Some problems of bioenergetics [with summary in English]. V. N. Zholkevich. Izv. AN SSSR. Ser. biol. 28 no. 4:562-573 Jl-Ag '63.

BIOGEOCHEMISTRY

Biogeochemistry of sulfur [with summary in English]. S. I. Kuznetsov. Izv. AN SSSR. Ser. biol. 28 no. 5:689-690 S-O '63.

Jubilee session of the General Assembly of the Department of Biological Sciences dedicated to the one-hundredth anniversary of the birth of Academician V. I. Vernadskii. T. N. Shcherbinovskaia. Izv. AN SSSR. Ser. biol. 28 no. 4:635-637 Jl-Ag '63.

BIOGRAPHY—CRYSTALLOGRAPHY

List of works published in 1961 containing new data on crystal structures, B. Inorganic compounds. Zhur. strukt. khim. 4 no. 5:801-815 S-O '63.

BIOLOGICAL RESEARCH

Excitation of living cells as a displacement of the steady state of open systems. V. IA. Aleksandrov. Izv. AN SSSR. Ser. biol. 28 no. 4:621-629 Jl-Ag '63.

For the development of biological science. IA. Turakulov. Komm. Uz. 35 no. 10:27-35 O '63.

For the further development of biological science and its better implementation in practice. V. G. Kocherezhkin. Izv. AN SSSR. Ser. biol. 28 no. 4:613-620 Jl-Ag '63.

BIOLOGICAL WARFARE—SAFETY MEASURES

Protection from bacteriological weapons. G. Laberov. Voen. vest. 43 no. 7:54-55 Jl '63.

BIOLOGISTS

Popovskii, A. D. [Laws of life] Zakony zhizni. Moskva, Sovetskii pisatel', 1963. 381 p.
(NN)

BIOLOGY

"Introduction to biology" by V. I. Fursov. Reviewed by B. G. Ioganzen. Nauch. dokl. vys. shkoly, biol. nauki no. 4, 199-201 '63.

BIOLOGY—ABSTRACTS

[Biology] Ref. zhur.: Biol. no. 22 N '63.

BIOLOGY—BIBLIOGRAPHY see Bibliography—Biology

BIOLOGY—MATHEMATICAL MODELS

Model study of biological phenomena. L. V. Smirnov. Prim. mat. metod. v biol no. 2:33-36 '63.

BIOLOGY—STUDY AND TEACHING

In the interests of the further development of biological science. Vest. vys. shkoly 21 no. 10 84 O '63.

BIOLUMINESCENCE

Crematoluminescence of lipids and the rate of growth of Pacific Ocean salmon. A. I. Zhuravlev, V. P. Korzhenko [deceased], AN SSSR 152 no. 2:457-460 S '63.

Extremely weak luminescence (450-700 mu) of surviving and homogenized liver tissue in normal conditions and following the action of ionizing radiation. A. I. Polivoda, E. N. Sakamova. Radiobiologiia 2 no. 6:801-810 '62.

BIOMATHEMATICS

Interpretation of the "time-effect" curves. N. V. Luchnik, I. A. B. Pshchak. Prim. mat. metod. v biol no. 2:212-224 '63.

BIOMATHEMATICS—CONGRESSES

Third Conference on the application of mathematics in biology. P. V. Terent'ev. Prim. mat. metod. v biol no. 2:5-11 '63.

BIOMETRY

Censusing moose in Moscow Province from an airplane and the verification of results by the methods of mathematical statistics. IU. A. Gerasimov Prim mat metod v biol. no. 2:231-239 '63.

Correlative structure of the characters of some species and forms of Odontites Zinn. (family Scrophulariaceae). V. M. Shmidt. Prim. mat. metod. v biol. no. 2:81-89 '63.

Cross-correlation analysis of physiological functions. K. P. Buteiko, D. V. Demin. Izv. SO AN SSSR no. 8. Ser. biol.-med. nauk no. 2, 127-129 '63.

Index of a breeding bull and the error of its representativeness. N. A. Plokhinskii. Prim. mat. metod. v biol no. 2:230-233 '63.

Mathematical theory of marking. O. M. Kalinin. Prim. mat. metod. v biol. no. 2:161-169 '63.

Methods for working out norms of the physical development of children. S. M. Leviant. Prim. mat. method v biol. no. 2:225-229 '63.

Mode of the "dose-reaction" interdependence. IU. N. Zhivliuk, L. I. Frantsevich. Prim mat. metod. v biol. no. 2:202-205 '63.

Multiple use of mathematical methods in the electrophoretic investigation of the protein composition of blood under normal and pathological conditions. B. G. Kaplan, V. E. Gurvich Prim. mat. metod. v biol. no. 2: 183-190 '63.

Quantitative evaluation of similarity. A. A. Liubishchev. Prim. mat. metod. v biol. no. 2:152-160 '63.

Statistical method of erythrocytometry using an electronic device. V. IU. Urbakh. Prim. mat. metod. v biol. no 2: 170-176 '63.

Statistical methods for studying the speed of blood circulation. A. M. Turin. Prim. mat. metod. v biol. no. 2: 191-195 '63.

Statistical methods used in working out norms for the evaluation of the electric heart systole. L. A. Butchenko, N. I. Vol'nov. Prim. mat. metod. v biol. no 2:196-201 '63.

Statistical regularities in the behavior of fishes. A. I. Zonov, V. V. Gulin. Prim. mat. metod. v biol no. 2: 140-145 '63.

Use of biometry in paleontology(study of fossil Foraminifera). K. V. Miklukho-Maklai. Prim. mat. metod. v biol. no. 2:118-123 '63.

BIOMETRY—GRAPHIC METHODS

Analysis of the lethality curve and the simplest method of drawing a probit diagram. V. B. Prozorovskii. Prim. mat. metod. v biol. no. 2:206-211 '63.

BIOMETRY—STUDY AND TEACHING see subdivision under Leningrad; Minsk

BIOMETRY—TERMINOLOGY

Russian biometric nomenclature(statistical terminology). L. S. Kaminskii. Prim. mat. metod. v biol. no. 2:26-32 '63.

BIONICS

The youngest science. A. Berg. Okhr. truda i sots. strakh. 6 no. 10 20 O '63.

BIOTIC COMMUNITIES

Some methodological problems of biocenology. L. I. Nomokonov. Izv. SO AN SSSR no. 8. Ser. biol.-med. nauk no. 2:34-43 '63.

BIRD LICE see subdivision under Tendra Bay

BIRDS see subdivision under Queen Maud Land

BIRDS—ANATOMY

Representation of visual, auditory and somatosensory analyzers in the telencephalon of the pigeon. V. I. Gusel'nikov, Do Kong Khun', V. D. Il'ichev. Nauch. dokl vys. shkoly, biol. nauki no 4 54-61 '63

BIRDS—EMBRYOLOGY see Embryology—Birds

BIRDS—FOOD

Role of birds in spreading seeds of the Amur cork tree. A. P. Nechaev, V. A. Nechaev. Izv. SO AN SSSR no. 8. Ser. biol.-med. nauk no. 2:56-61 '63.

BIRDS—MIGRATION

(see also subdivision under Ternopol' Province)

Methods of quantitative evaluation of the mutual influence of various species of birds during migration T. I. Blumental', V. R. Dol'nik. Prim. mat. metod v biol no. 2:110-117 '63.

BIRDS—PARASITES see Parasites—Birds

BIRMAN, SERAFIMA GERMANOVNA, 1890-

Birman, S. G. [Career of an actress] Put' aktrisy. Moskva, Vserossiiskoe Teatral'noe ob-vo, 1962. 290 p

BIROBIDZHAN—BOOKSELLERS AND BOOKSELLING

Party and government control in action. Sov. knizh. torg. 15 no. 10:34-35 O '63

BISMUTH CARBONATES—THERAPEUTIC USE

Pulmonary reflexes in the therapy of bronchial asthma. N. T. Larichenko-Dolon. Trudy mol. nauch sotr. MONIKI no. 1:143-151 '59.

BISMUTH COMPOUNDS

Extraction of halide complexes of bismuth. A. K. Babko, L. A. Shevchuk, L. I. Degtiarenko. Trudy Kom. anal. khim. 14:148-153 '63.

BISMUTH CRYSTALS—GROWTH

Growing single crystal layers on bismuth by the vacuum condensation method. L. S. Palatnik, V. M. Kosevich, V. M. Moskalev. Fiz. met. i metalloved. 16 no. 3:403-408 S '63.

BITUMEN

Effect of the electrokinetic properties of granite on the adhesion of bitumens. A. V. Berenshtein, V. I. Barzam. Ukr. khim. zhur. 29 no. 8:824-826 '63.

Heating bitumen with hot pipes. M. D. Merzon. Avt. dor. 26 no. 10:26-27 O '63.

Possibility of using bitumen solutions for the manufacture of black lacquers. K. I. Zabytina, M. B. Fromberg, R. S. Kholodovskaia. Lakokras. mat. i ikh prim no. 5: 60 '63.

BITUMINOUS MATERIALS—ANALYSIS

Chemical composition of mineral resins. R. A. Vener. Trudy IGI 21:98-108 '63.

BITUMINOUS PAVEMENTS see Pavements, Bituminous

BIZERTA—MILITARY BASES, FRENCH

Tunisian flag over Bizerta. V. Radin. Nov. vrem. 21 no. 43:9-10 O '63.

BLACK SEA—MOTORSHIPS

News stories of the periodical "Ukraina." Ukraina no. 13: 14 Je '61.

BLACK SEA—OCEANOGRAPHY

Wind tides in the northwestern part of the Black Sea. D. M. Tolmazin. Okeanologiia 3 no. 5:848-852 '63.

BLACK SEA—WAVES

Some characteristics of the loses of the sea wave energy on the southern coast of the Crimea. V. I. Zats. Okeanologiia 3 no. 4:628-632 '63.

BLACK SEA PRESERVE—FOREST INSECTS

Injurious insects in the groves of the Black Sea Preserve. L. M. Zelins'ka. Pratsi Inst. zool. AN URSR 17:19-29 '61.

BLACK SEA REGION—COMMERCE

The earliest proxeny in Olbia. I. B. Brashinskii. Sov. arkheol. 7 no. 3:191-196 '63.

BLACK SEA REGION—HELLENISM

Brashinskii, I. B. [Athenians and the Northern Black Sea region from the sixth to the second century B. C.] Afiny i Severnoe Prichernomor'e v VI-II vv. do n. e. Moskva, Izd-vo Akad. nauk SSSR, 1963. 174 p.

BLAGODATSK REGION—LEAD ORES

Blagodatsk deposit. K. D. Sholkin, L. N. Lenok. Trudy IGEM no. 83:369-372 '63.

Yekaterino-Blagodatsk lead-zinc deposit. Trudy IGEM no. 83:373-391 '63.

BLAGODATSK REGION—ZINC ORES

Blagodatsk deposit. K. D. Sholkin, L. N. Lenok. Trudy IGEM no. 83:369-372 '63.

Yekaterino-Blagodatsk lead-zinc deposit. Trudy IGEM no. 83:373-391 '63.

BLAGOEV, DIMITUR, 1855?-1924

An unknown biography of Dimitur Blagoev. N. A. Malevanov, M. A. Kuz'mina. Ist. arkh. 8 no. 2:229-231 Mr-Ap '62.

BLANDU-KOL', LAKE (ALTAI MOUNTAINS)—FISH INTRODUCTION

Stocking with fish Lake Blandu-Kol' in the northeastern Altai. G. D. Dul'feit Trudy Gidrobiol ob-va 13 267-273 '63.

BLAST FURNACES

(see also subdivision under Dnieper Economic region, United States)

Automatic control of the blast furnace process. A. N. Pokhvisnev, L. I. Rozhavskii, N. K. Zhilkin. Stal' 23 no. 10 875-878 O '63.

Blasting solid fuel into the hearth of a blast furnace. N. K. Leonidov, G. P. Moshkina, V. K. Teper. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 85-89 '63.

Distribution of radioisotopes in blast furnace smelting. N. S. Nemtsov. Izv. vys. uchzb. zav., chern. met. 6 no. 9:20-27 '63.

Operation of blast furnaces with a capacity of 2,000 m^3. N. S. Galatov, I. P. Zhuravlev, P. G. Netrebko. Met. i gornorud. prom. no. 5:3-8 S-O '63.

Stability of carbon linings in blast furnaces. I. M. Galemin. Stal' 23 no. 10 887-888 O '63.

Temperature control of cast iron and slag at blast furnace outlets. S. L. IAroshevskii, N. N. Popov. Met. i gornorud. prom. no. 5, 11-13 S-O '63.

BLAST FURNACES—COST OF OPERATION

Effect of the temperature of the blow on the technical, economic, and technological indices of blast furnace smelting. A. L. Galatonov. Stal' 23 no. 10, 869-874 O '63.

Potentialities for reducing the cost of cast iron. S. L. TSilinovskii, IU. N. Demidov, E. M. Fedorova. Stal' 23 no. 10, 912-944 O '63.

BLAST FURNACES—EQUIPMENT AND SUPPLIES

Blast furnace coke from Ukrainian by-product coke plants. V. E. Didenko. Met. i gornorud. prom. no. 5: 31-33 S-O '63.

Changes in phase composition and the mechanism of primary slag formation during the melting of ore-fuel granules. L. Z. Khodak, T. IA. Malysheva. Trudy IGI 22, 79-92 '63.

Experimental blast furnace smelting with replacement in the charge of 20-per cent of the fluxed sinter by granules prepared by chemical catalysis. B. A. Goss and others. Trudy IGI 22 110-113 '63.

BLASTING

(see also subdivision under Georgia; Kuznetsk Basin, Sweden)

Classification of the granulometric composition of blasted rock in open-pit workings. N. P. Seinov. Nauch. soob. IGD 18 197-200 '63.

Effect of the diameter of the explosive charge on the piece-size distribution of broken ore in working veins. E. I. Panfilov. Nauch. soob. IGD 18:72-79 '63.

Problems in blasting. Nauch. soob. IGD 18:210-214 '63.

Selecting the means of breaking in a system with shrinkage stoping. N. G. IAlymov. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 1:25-34 '63.

Short-delay blasting in open-pits and quarries of the Ukrainian S. S. R. N. U. Turuta, D. F. Panchenko. Met. i gornorud. prom. no. 4.50-53 Jl-Ag '63.

Study of the process of the displacement of ores and rocks in blasting under conditions of complex deposits. E. G. Baranov, I. A. Tangaev, N. A. IAkovleva. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 1, 7-23 '63.

BLASTING—ELECTRIC EQUIPMENT

Industrial testing of the PVS-220 portable blasting station. IA. Kh. Esterov. Gor. zhur. no. 10:67-68 O '63.

BLASTING—MODELS

Investigating the breaking off of ores by concentrated borehole groups using an electrohydrodynamic analogy method. V. M. Zakalinskii. Izv. AN SSSR. Met. i gor. delo no. 5:159-166 S-O '63.

BLAUMANIS, RUDOLFS, 1862-1908

Egle, Karlis. [Rudolfs Blaumanis in his contemporaries' memoirs] Rudolfs Blaumanis laika biedru atminas. Riga, Latvijas valsts izd-ba, 1962. 259 p. [In Latvian] (MH)

BLEACHING—EQUIPMENT AND SUPPLIES

Bleaching of viscose in a multistage unit. A. D. Perminov, N. V. Baranova. Bum. prom 38 no. 10:9-11 O '63.

BLIND—SOCIETIES, ETC.

Four years have passed. Sots. obesp. 24 no. 10:48-49 O '63.

BLINDNESS

Causes of blindness, from data of the Ukrainian Scientific Research Institute for Eye Diseases and Tissue Therapy for the period 1946-1955. S. A. Bakhmash and others. Ukr. resp. UBIGB 5 21-25 '62.

BLIUKHER, VASILII VASIL'EVICH

Tuberculosis. V. Stal'. Ogonek 41 no. 36 22-25 S '63.

BLOK, ALEKSANDR ALEKSANDROVICH, 1880-1921

Aleksandr Blok's poem "Twelve" as seen by the Society of the Friends of Soviet Poetry. V. I. Lenin. Lit. i MN SSSR. Sov. lit. '63 [i.e. 22] no. 5 906-936 S-O '63.

BLOOD

Effect of injections of mercury preparations on the biological activity of the blood. T. S. M. Barg, E. P. Karpova. Ukr. resp. UBIGB 5 263-267 '62.

BLOOD—ANALYSIS AND CHEMISTRY

Changes in some blood enzyms s in malignant neoplasms. Z. Pirumbekian. Soob. AN Gruz. SSR 30 no. 5 561-566 N '63.

Cause of the peculiar blood leucocyte reaction in radiation sickness [with summary in English]. M. I. Ilkhamov, P. V. Sukhinov. Med. rad. 6 no. 2 42-49 F '61.

Chromatographic study of the amino acids of blood serum in schizophrenic patients [with summary in French]. I. I. Lenda. Zhur. nevr. i psikh. 62 no. 12:1853-1862 '62.

Determination of carboxyhemoglobin in dry blood spots, abstract. I. F. Skvortsov. Kaz. med. zhur. no. 1 118-119 Ja-F '61.

Determination of the level of free amino acids in healthy people by the method of paper chromatography [with summary in English]. Z. S. Lebedeva. Vop. pit. 22 no. 1 55-57 Ja-F '63.

Effect of various levels of protein feeding on milk productivity in cows and some biochemical blood indices. Kh. Kh. Tkhakakhov. Dokl. TSKHA no. 69 103-109 '61.

Indices of morphological composition of the blood in Bestuzhev cattle. A. T. Ibzina. Trudy Ul'yan. sel'khoz. in-ta no. 2 53-59 '61.

Iodine content in the blood serum of carp subjected to thermal treatment. Iu. D. Nechypurenko, O. F. Osadcha. Nauk. prats. Ukr. nauk.-doslid. ikht. in-tu no. 14 129-131 '62.

Some physiological and biochemical blood indices in calves in relation to their age. K. I. Ermenkov. Dokl. TsKHA no. 69:217-226 '61.

BLOOD—CIRCULATION

From Harvey to the modern theory of blood circulation. K. M. Bykov. Kaz. med. zhur. no. 1 6-11 Ja-F '61.

Statistical methods for studying the speed of blood circulation. A. M. Timin. Prim. mat. metod v biol. no. 2 191-195 '63.

BLOOD—CIRCULATION, ARTIFICIAL

Artificial blood circulation by means of the SB-3 automatic injector in an experimental exclusion of the heart. S. V. Perestoronin. Trudy mol. nauch. sotr. MONIKI no. 1 229-233 '59.

BLOOD—CIRCULATION, DISORDERS OF

Changes in the cerebral vessels in decreased blood circulation and the possibility of a reverse development of these changes. I. V. Gannushkina. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 56-59 '61.

Changes of some biochemical indices in the blood of patients with circulatory insufficiency. V. B. Listanshvili. Soob. AN Gruz. SSR 30 no. 5 671-678 My '63.

BLOOD—COAGULATION

Indices of the blood coagulation system in healthy dogs. M. S. Machabeli and others. Soob. AN Gruz. SSR 3 no. 5 663-666 My '63.

Role of modified anticoagulant activity of the blood in the mechanism of increased coagulability following an operation. V. V. Chernaia. Kaz. med. zhur. no. 1 42-43 Ja-F '61.

Study of the blood coagulation system in acute radiation sickness after the transplantation of bone marrow. N. N. Lagutina. Radiobiologiia 2 no. 6:855-858 '62.

BLOOD—OXYGEN CONTENT

Oxyhemometric studies during exercise therapy in patients with postinsultus motor disorders; abstract. D. B. Kalikshtein, L. L. Guseva. Kaz. med. zhur. no. 1 119 Ja-F '61.

Transfusion of blood saturated with molecular oxygen in an experiment. V. I. Sokolov. Trudy mol. nauch. sotr. MONIKI no. 1:251-259 '59.

BLOOD—PARASITES

Characteristics of the distribution of blood parasites of birds with regard to the ecology of the hosts. V. V. Illushchenko. Zbir. prats Zool. muz. AN URSR no. 32 57-63 '63.

BLOOD—SEDIMENTATION

Data concerning the role of hemotonia in erythrocyte sedimentation reaction. P. A. Podrabinek. Trudy mol. nauch. sotr. MONIKI no. 1:234-240 '59.

Relation between erythrocyte sedimentation reaction and the quantity of erythrocytes in the blood. P. A. Podrabinek. Trudy mol. nauch. sotr. MONIKI no. 1 231-236 '59.

BLOOD—TRANSFUSION

Kantorovich, L. I. [Blood transfusion in obstetric practice] Perelivanie krovi i ee zamenitelei v akusherskoi praktike. Pod red. L. S. Persianinova. Minsk, Gosizdat BSSR, 1963. 154 p. (DNLM)

Levin, G. S., and A. IU. Tillis. [Blood and blood substitutes in the struggle for human life] Krov' i krovezameniteli v bor'be za zhizn' cheloveka. Tashkent, Medgiz, UzSSR, 1962. 55 p. (Nauchno-populiarnaia literatura) (DNLM)

Transfusion of blood saturated with molecular oxygen in an experiment. V. I. Sokolov. Trudy mol. nauch. sotr. MONIKI no. 1 251-259 '59.

BLOOD, GASES IN

Change in the gases of the blood in an apparatus treatment of patients with respiratory disorders. V. F. Dubrovskaia. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 67-68 '61.

BLOOD GROUPS

Preparation of immune serums for determining the group antigens in the blood of red and white cattle. I. Matovshek and others. Zhur. ob. biol. 24 no. 1 50-63 Ja-F '63.

BLOOD PLASMA SUBSTITUTES

Levin, G. S., and A. IU. Tillis. [Blood and blood substitutes in the struggle for human life] Krov' i krovezameniteli v bor'be za zhizn' cheloveka. Tashkent, Medgiz, UzSSR, 1962. 55 p. (Nauchno-populiarnaia literatura) (DNLM)

BLOOD PROTEINS

Composition of the protein fractions of blood serum in rabbits under normal conditions and following hyperimmunization [with summary in English]. O. A. Vasil'eva. Trud. TomNIIVS 12,203-207 '60.

Fractional composition of serum proteins in rabbits immunized with different antigens [with summary in English]. O. A. Vasil'eva. Trudy TomNIIVS 12 208-214 '60.

Multiple use of mathematical methods in the electrophoretic investigation of the protein composition of blood under normal and pathological conditions. B. G. Kaplan, V. E. Gurvich. Prim. mat. metod. v biol. no. 2 183-190 '63.

Protein formula and prothrombin in the blood plasma in hepatitis and osteomalacia. D. G. Vardosanidze. Veterinariia 37 no. 2 62-63 F '60.

Proteins and protein fractions of the blood serum of hens in relation to the growth and productivity. Z. K. Blandova. Dokl. TSKHA no. 69,227-232 '61.

Proteins in the blood serum of rabbits and dogs affected by plutonium. N. I. Elkina. Radiobiologiia 2 no. 6 834-837 '62.

BLOOD VESSELS—DISEASES

Practical evaluation of the method of arterial oscillography in balneotherapy for peripheral vascular diseases. R. F. Akulova. Vop. kur., fizioter., i fiz. kult. 27 no. 4 344-350 Jl-Ag '62.

Role of focal infection of the tonsils in the development of vascular skin allergids [with summary in English]. S. Nicolau, A. Badanoiu. Vest. derm. i ven. 36 no. 10 8-13 O '62.

BLOOD VOLUME

Circulating blood volume during chronic suppurative processes in the lungs. A. V. Spynu. Zdravookhranenie 5 no. 3 27-29 My-Je '63.

BLOODLETTING

Experimental use of a test puncture for timely diagnosis of a liver rupture in horses in the practice of serum production [with summary in English]. R. P. Maslianko. Trudy TomNIIVS 12,237-241 '60.

Test puncture as a method of early diagnosis of a rupture of the liver in horses yielding therapeutic serums [with summary in English]. B. G. Trukhmanov. Trudy TomNIIVS 12 231-236 '60.

BLOWTORCHES

Blowtorch. N. Makeev. Tekh. v sel'khoz. 23 no. 6:74 Je '63.

BLUE BABY see Tetralogy of Fallot

BOARDING SCHOOLS
(see also subdivision under Great Britain)

Alarming experiment. E. Krylov. Shkola-int. no. 5 57 S-O '63.

Hygienic evaluation and proper management of nutrition in boarding schools. A. P. Shutskova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 16-49 '59.

I am against it. E. Odisharija. Shkola-int. no. 5:58 S-O '63.

Let the beacon lights shine brighter! Shkola-int. no. 5 1-3 S-O '63.

Let's consolidate the school workshops. [...] Shkola-int. no. 5 68-69 S-O '63.

Planning of educational work. M. I. Shekhtman. Sov. pedagog. int. no. 5 70-75 S-O '63.

Useful talk about boarding schools. N. [...] int. no. 5 74-75 S-O '63.

We are for combined detachments. A. K. [...] skii. Shkola-int. no. 5 65 S-O '63.

Word "teacher" has a proud sound. [...] int. no. 5 50-51 S-O '63.

BOATBUILDING

Out-of-town session of the small craft building. Sudostroenie 29 no. 9:75-76 S '63.

BODY FLUIDS

Effect of the cerebrospinal fluid and blood [...] patients with multiple sclerosis on the [...] the spinal cord in rats. IA. K. Ozolova, V. [...] Dokl. AN BSSR 7 no. 4:277-279 Ap '63.

BODY TEMPERATURE

Bioelectrical activity of the muscles and the [...] of the body in mental diseases with a [...] V. V. Savitskii. Zhur. nevr. i psikh. 63 [...] 1936 '62.

Temperature and motility of the rumen in [...] after the injection of gases. S. IU. Ia[...] Visnyk sil'khosp. nauky 6 no. 4 111-114 Ap '63.

BODY TEMPERATURE—REGULATION

Changes in the thermoregulating reflex in [...] patients. A. S. Alifanova. Trudy mol. nauch. s[...] MONIKI no. 1:152-160 '59.

Characteristics of the development of the [...] reactions in newborn infants and the problem of substantiation of the temperature and humidity required for them. I. A. Arshavskii, S. I. [...] Nauch. inform. Otd. nauch. med. inform. AM[...] 3-5 '61.

Prof. Shcherbak's theory regulating reflexes [...] with different diseases. K. V. Shcherbak. [...] nauch. sotr. MONIKI no. 1 128-137 '59.

Relationship of the pigmentation of the integument [...] the surface temperature of the body and the [...] regulatory processes of the animal organism. [...] Filak. Dokl. TSKHA no. 69:283-289 '61.

Results of using aminazine in alcoholic abstinence [symptom] and its effect on thermoregulating [...] [with summary in English]. A. I. Kuzin. [...] Gos. nauch.-issl. inst. psikh. 48 160-164 '61.

BOGATKIN, VLADIMIR VALERIANOVICH, 1923-

Vladimir Bogatkin. A. Markushin. Inkubator 2 [...] 36-40 '63.

BOHEMIA—HISTORY

"The Bohemian problem" and political contacts [...] Western and Eastern Europe in the early [...] Thirty Years' War [translated from the Czech] J. Polišenský. Sted'vedka no. 21,240-250 '61.

BOILERS

Consultation and advice. A. Bakatin. Sov. profs[...] 7 no. 11:62-63 N '63.

Damage of the water walls in a boiler. B. K. [...] Energetik 11 no. 11 17-18 N '63.

Experience gained in the operation of the heating [...] of the BKZ 120-100 GM boiler. A. G. Petrushin, [...] Ganshin, L. G. Bliuman. Elek. sta. 34 no. 3 [...] '63.

Improvement of an air heating network in boiler [...] IU. N. Novozhilov. Energetik 11 no. 11:[illegible] '63.

Mikhailovich, A. M. [Lecture on a course in "[...] systems", boiler equipment] Lektsiia po kursu "[...] nye ustanovki"; ar matura kotel'nykh agregatov. [...] skva, Vses. zaochnyi energ. in-t, 1962. 72 p. [MICROFILM]

Prevention of steaming at boiler hatches. [illegible] Energetik 11 no. 10 39-43 O '63.

BOILERS—EQUIPMENT AND SUPPLIES

Nomenclature on blowers and burners manufactured for the "Il'marine" factory in 1963. Energetik 11 [...] 48 N '63.

BOILERS, MARINE

Operation of ship evaporators in conditions of [...] meter steam generators. L. P. Kolchanov. [...] enie 29 no. 9:23-26 S '63.

Output and vacuum techniques in waste heat [...] evaporator equipment on motorships. S. I. [...] B. M. Rogalev. Biul. tekh.-ekon. inform. Tsi[...] mor. flota 7 no. 12 24-29 '62.

Reliable operation of boilers. I. Bolotskh. Mor. fl[...] no. 8:25 Ag '63.

Selecting a type of waste-heat and auxiliary boilers [...] series-produced river craft. A. I. Nedoshivin. [...] LIVT no. 35:30-37 '62.

BOKSHCHANIN, ANATOLII GEORGIEVICH, 1903-
A. G. Bokshchanin's 60th birthday. Vest. drev., ist., no. 3 184 '63.

BOLOTOV, ANDREI TIMOFEEVICH, 1738-1833
Selectists. I. N. Elagin. Zemledelie 25 no. 10:85-88 O '63.

BONDS, CHEMICAL see Chemical bonds

BONE GRAFTING
Repair of a large defect of the tibia in a fresh open fracture. G. S. Samoilov. Kaz. med. zhur. no. 2:77-79 Mr-Ap '63.

BONES—RADIOGRAPHY
Roentgenological changes in the bones during the treatment of rickets in children based on adequate feeding. E. A. Pertovich. Trudy mol. nauch. sots. MONIKI no. 1: 107-109 '59.

BONES—SURGERY
Osteosynthesis by means of a metallic bolt used in traumatology, orthopedia, and restorative surgery. M. IA. Shadin. Trudy mol. nauch. sots. MONIKI no. 1:39-42 '59.

BONITO
Technological characteristics of striped tuna. A. F. Miaksha. Izv. TINRO 46:213-219 '60.

BONUS SYSTEM
Adoption of the procedure and system for issuing bonuses to drivers of automobiles, trolleybuses, trolleycars, electrical automobiles, as well as other automotive and urban transportation workers for prolonging the use of new and retreaded tires. Regulation No. 249/19, July 31, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no. 10:10-17 '62.

Calculating the average earnings of workers who received bonuses for technological innovations to pay for their vacations and unused leave. Explanation No. 18/22, August 20, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no. 10:9 '62.

Labor disputes concerning the issuing of bonuses. G. Mutsinov. Sov. just. no. 19 4-6 O '63.

Let's improve the bonus system for wholesale trade workers. K. Skrypka. Sov. torg. 36 no. 8:20-21 Ag '63.

New features in the awarding of and accounting for bonuses in the computation and payment of pensions. M. TSederbaum. Sots. obesp. 21 no. 8:50-55 Ag '63.

BOOK SCORPIONS see subdivision under Caucasus

BOOKS
Books in present-day bourgeois society. A. I. Nazarov. Kniga; issl. i mat. 8:316 346 '63.
Chronicle of booklore. Kniga; issl. i mat. 8:473-487 '63.

BOOKS—REVIEWS
[Chronicle of reviews] Let. rets. no. 4 '63.
New books. Komm. Ukr. 39 no. 9:94-96 S '63.

BOOKS AND READING
The book is a faithful helper of the propagandist; consultation. F. Kashirskii. Agitator no. 16:36-39 Ag '63.

BOOKSELLERS AND BOOKSELLING
(see also subdivision under Dnepropetrovsk, Great Britain; Khmel'nik District)
After the Plenum of the Central Committee of the CPSU. V. Abakumov. Sov. knizh. torg. 15 no. 10:38-39 O '63.
Appeal of the participants in the All-Union Congress of Workers in the Book Trade of Consumer Cooperatives. Sov. knizh. torg 15 no. 10:11-12 O '63.
For the school year. V. Borovkova. Sov. knizh. torg. 15 no. 10:34 O '63.
In the Central Union of Consumers' Cooperatives. Sov. knizh. torg. 15 no. 10:13-14 O '63.
In the drive for the distribution of books among the masses. A. Mikova. Sov. knizh. torg. 15 no. 10:17-18 O '63.
In the wonderful world of books. N. Uzbakhanov. Sov. knizh. torg. 15 no. 10:43-44 O '63.
Legal advice. Sov. knizh. torg. 15 no. 10:46-17 O '63.
Make greater use of public initiative. S. Trokhimenko. Sov. knizh. torg. 15 no. 10:3-6 O '63.
Our first. V. Skatova. Sov. knizh. torg. 15 no. 10.26-27 O '63.
People's bookstores. IU. Demin. Polit. samoobr. 7 no. 7:110-115 Jl '63.
Plan and people. A. Chernaia. Sov. knizh. torg. 15 no. 10.40-41 O '63.
Readers' letters. E. Gurvich and others. Polit. samoobr. 7 no. 8:83-85 N '63.
Resources, experience, and life. Sov. knizh. torg. 15 no. 10 6-11 O '63.
Take political books to the people. S. Malorov. Sov. knizh. torg. 15 no. 10, 31-33 O '63.

BOOKSELLERS AND BOOKSELLING—BIBLIOGRAPHY see Bibliography—Booksellers and bookselling

BOOKSTORES
(see also subdivision under Moscow)
Best "Military Books" bookstores. N. Sergeev. Sov. knizh. torg. 15 no. 10:36-37 O '63.
New equipment for rural stores. A. Goverov. Sov. knizh. torg 15 no. 10 28-30 O '63.

BOOT AND SHOE INDUSTRY see Shoe industry

BOOTS AND SHOES
Some methods applied to the hygienic evaluation of children's footwear. V. V. Litvinenkova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 78-80 '59.

BOOTS AND SHOES, FELT—TESTING
Instrument for the abrasion testing of felt footwear. L. A. Luvishis. Nauch.-issl. trudy TSNIISherstI no. 16 203-212 '61.

BOOTS AND SHOES, RUBBER
Using the hot vulcanization method for the manufacture of footwear from Russian leather. N. I. Larevs'ka, IA. O. Voronts'ova. Leh. prom. no. 3 47-49 Jl-S '63.

BORATES
Kinetics of solution of natural borates in hydrochloric acid solutions. A. B. Zdanovskii, V. M. Imamutdinova. Zhur. prikl. khim. 36 no. 8:1675-1680 Ag '63.

BORDER PATROL
Tracks in a desert. N. Zaitsev. IUn. nat. no. 2:3-5 F '63.
Young Friends of Border Guards. IUn. nat. no. 2-2 F '63.

BORIDES
Charging curves of the boride catalysts of Pt-group metals. A. M. Taber and others. Dokl. AN SSSR 152 no. 2: 379-381 S '63.

BORING
(see also subdivision under Georgia; Kuznetsk Basin)
Expedient parameters for boring with a roller bit. G. M. Oganov. Gor. zhur. no. 10, 25-26 O '63.
Experience in electric rotary drilling of holes with side flushing. I. B. Preshman. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 16-17 '63.
Flaming spear. L. Lifshits. Znan.-sila 38 no. 5:15 My '63.
Friction in the process of drilling deflected holes with bottom motors and estimating the actual load on the bit. M. M. Aleksandrov. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 1:19-22 '62.
Kalinin, A. G. [Deflection of boreholes] Iskrivlenie burovykh skvazhin. Moskva, Gostoptekhizdat, 1963. 307 p.
Possibility and expediency of drilling vertical holes with water flushing. V. G. Smirnov, V. M. Petrovicheva. Nauch. trudy VNIIPodzemgaza no. 9:74-80 '63.
Relation between the rate of drilling with rock drills and the depth of the boreholes and the shape and diameter of the bit. N. I. Makarov. Nauch. soob. IGD 18 80-87 '63.
Selecting the means of breaking in a system with shrinkage stoping. N. G. IAlymov. Izv. AN Kir. SSR Ser. est. i tekh. nauk 5 no. 1 25-34 '63.
Selection of optimum conditions for using drilling rigs with roller bits in open-pit mines. B. A. Simkin, IU. S. Lopatin. Ugol' 38 no. 9. 30-33 S '63.
Using the wave method to calculate the dynamics of a percussion tool. V. B. Sokolinskii. Nauch. soob. IGD 18, 121-121 '63.

BORING MACHINERY
Increasing the durability of cable-tool drill bits by the method of hard facing with new wear-resistant KhGI alloys. M. S. Pollak, I. A. Sveshnikov. Nauch. trudy KNIGI 11:101-103 '62.
Mechanism for boring holes in frozen ground. A. I. Gaidar. Stroi. truboprov. 8 no. 8:17 Ag '63.
"Ural-61" drilling machine. V. K. Petrosian, K. A. IUgai. Shakht. stroi. 7 no. 8:19 Ag '63.
Using drill bits of small and reduced diameters. V. N. Bakul', E. P. Poladko. Met. i gornorud. prom. no. 4, 44-45 Jl-Ag '63.

BORING MACHINERY—TESTING
Preliminary results of the industrial introduction of the ANB-30 drilling rig. V. G. Smirnov. Nauch. trudy VNIIPodzemgaza no. 9:103-111 '63.

BORISLAV REGION—OIL WELLS—EQUIPMENT AND SUPPLIES
Striving for the title of enterprise of communist labor. M. V. Martyniak. Neftianik 8 no. 6:22-23 Je '63.

BORISLAV REGION—PETROLEUM GEOLOGY
Time of the formation of the petroleum deposit in the Borislav underthrust. V. O. Kramushkin. Dop. AN URSR no. 12 1621-1625 '61.

BORISOV—WOODWORKING INDUSTRIES—LABOR PRODUCTIVITY
Community participates in the solution of economic problems. S. I. Vikulov, P. I. Sergeev. Les. prom. 40 no. 5 28 My '63.

BORON
Boron thermal reduction method for obtaining borides. T. I. Serebriakova, G. V. Samsonov. Ukr. khim. zhur. 29 no. 8 876-878 '63.

BORON—ANALYSIS
Method of ion exchange separation and concentration of boron in its determination in natural waters. D. I. Eristavi, F. I. Brouchek. Soob. AN Gruz. SSR 30 no. 5 565-572 My '63.

BORON ALLOYS
Boron thermal reduction method for obtaining borides. T. I. Serebriakova, G. V. Samsonov. Ukr. khim. zhur. 29 no. 8 876-878 '63.

BORON HALIDES
Nature of the coordination compounds formed by boron and diborane halides in ether solutions. G. A. Shchegoleva, V. D. Sheludiakov, B. M. Mikhailov. Dokl. AN SSSR 152 no. 4 888-891 O '63.

BORON ISOTOPES—SPECTRA
Spectrum analysis of boron isotopes [with summary in English]. A. G. Zhiglinskii, A. S. Kochemirovskii. Vest. LGU 16 no. 16 62-68 '63.

BORON ORGANIC COMPOUNDS
Tetra(1-indolyl) boron salts. V. A. Sazonova, V. I. Karpov. Zhur. ob. khim. 33 no. 10 3313-3315 O '63.

BORON STEEL
Using boron steels in manufacturing automobile starters. N. A. Patrina, O. N. Meshcheriakova. Avt. prom. 29 no. 8 27-29 Ag '63.

BORZHOMI—HEALTH RESORTS, WATERING PLACES, ETC.
Pearl of the Caucasus. A. Kronov. Okh. truda i sots. strakh. 6 no. 10:42-43 O '63.

BOTANICAL RESEARCH
Methods for determining the absolute yield of the aerial part of grasses in the meadow steppe. V. N. Golubev. Bot. zhur. 48 no. 9:1338-1345 S '63.

BOTANY see subdivision under Uzboy Valley; Vuoksa Valley

BOTANY—ANATOMY
Cellulose of bog plants. P. K. Mel', A. M. Gorshkova. Trudy IGI 21 141-150 '63.
Mechanical principles of plant structure as exemplified by some alpine saxifrages. E. N. Ivanskaia. Bot. zhur. 48 no. 9 1353-1355 S '63.
Principles of the structure of the conducting system in dicotyledon seedlings [with summary in English]. M. I. Danilova. Bot. zhur. 48 no. 9 1219-1270 S '63.

BOTANY—DICTIONARIES
Afanas'ev, D. IA., and others, comps. [Russian-Ukrainian dictionary of botanical terminology and nomenclature] Russko-ukrainskii slovar' botanicheskoi terminologii i nomenklatury. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1962. 340 p. (NN)

BOTANY—ECOLOGY
Methods for studying vegetation. S. N. Tiuremnov. Vest. Mosk. un. Ser. 6, Biol., pochv. 18 no. 6, 3-7 N-D '63.

BOTANY—EMBRYOLOGY
Possible causes of the physiological dwarfishness of embryos. T. V. Daletskaia. Bot. zhur. 48 no. 9 1361-1368 S '63.
Some characteristics of the embryology of Scopolia carniolica [with summary in English]. G. I. Glushchenko. Izv. AN SSSR Ser. biol. 28 no. 5 721-734 S-O '63.

BOTANY—MORPHOLOGY
Correlative structure of the characters of some species and forms of Odontites Zinn. (family Scrophulariaceae). V. M. Shmidt. Prim. mat. metod. v biol. no. 2:81-89 '63.

BOTANY—NOMENCLATURE see subdivision under Pskov Province

BOTANY—PHILOSOPHY
Zabello, Z. I., and M. Z. Pekker. [Expediency in the plant kingdom] Tselesoobraznost' v rastitel'nom mire. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 101 p.

BOTANY, MEDICAL

Gammerman, A. F., M. D. Shupinskaia, and A. A. Iaisenko-Khmelevskii. [Healing plants, medicinal plants of our country] Rastenitu-tseliteli, lekarstvennye rastenita nashei Rodiny. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 422 p.

BOTTLE WASHING

Improvement in the technique of washing containers for carbonic ac... I. V. Bel'kov. Gidroliz i lesokhim. prom. 16 no. 8: 21 '63.

BOUNDARY LAYER

Optimum suction of a boundary layer on a porous plate in an incompressible liquid [with summary in English]. L. P. Kozlov. Inzh.-fiz. zhur. 6 no. 10: 88-92 O '63.

Solution of the boundary layer equation. L. G. Petrosian. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 16 no. 5: 91-98 '63.

BOUNDARY VALUE PROBLEMS

Approximate method for calculating the natural vibrations of a liquid in vessels of arbitrary shape and determining the Zhukovskii potentials for these vessels. A. A. Petrov. Zhur. vych. mat. i mat. fiz. 3 no. 5: 958-964 S-O '63.

Approximate method for solving certain boundary value problems. V. D. Kupradze, M. A. Aleksidze. Soob. AN Gruz. SSR. 30 no. 5: 529-536 My '63.

A boundary value problem. M. D. Ramazanov. Dokl. AN SSSR 152 no. 4: 827-830 O '63.

Boundary value problem for Poisson's equation. A. T. Khristalev. Izv. vys. ucheb. zav.; mat. no. 5: 129-132 '63.

Boundary value problems for small-parameter integro-differential equations. K. I. Kvantaliani. Soob. AN Gruz. SSR. 30 no. 5: 545-552 My '63.

A complete system of solutions to linearized Navier-Stokes equations and its application to boundary value problems involving flow past spheres. R. N. Kaufman. Prikl. mat. i mekh. 27 no. 1: 178-182 Ja-F '63.

Generalized problem of the conjugation of analytic functions and its applications. L. G. Mikhailov. Izv. AN SSSR. Ser. mat. 27 no. 5: 969-992 S-O '63.

High-frequency asymptotic behavior of a nonsteady-state diffraction problem (region of light). V. V. Kravtsov. Zhur. vych. mat. i mat. fiz. 3 no. 5: 955-957 S-O '63.

Inversion of boundary conditions of Neumann and Dirichlet problems for Laplace's equation. E. V. Kolesnikov. Mat. mod. i elek. tsepi no. 1: 114-135 '63.

Mixed problem for a hyperbolic equation with a small parameter at the higher derivatives. M. G. Dzhavadov. Dokl. AN SSSR 152 no. 4: 790-793 O '63.

Normal degeneration of boundary value problems [with summary in English]. P. E. Tovstik. Vest. LGU 18 no. 19: 124-134 '63.

A problem for differential functional equations. A. B. Nersesian. Dokl. AN Arm. SSR 36 no. 4: 193-201 '63.

A problem in the spectral theory of differential operators. T. G. Maslova. Dokl. AN SSSR 152 no. 4: 820 O '63.

Proof of uniqueness of the classical solution to the first boundary value problem for a general linear partial differential equation for a convex bounded region. S. M. Nikol'skii. Izv. AN SSSR. Ser. mat. 27 no. 5: 1113-1134 S-O '63.

Riemann's boundary value problem in a space of generalized functions and Faber polynomials. V. S. Rogozhin. Dokl. AN SSSR 152 no. 6: 1308-1311 O '63.

Rigorous solution of the axially symmetric problem in the theory of elasticity for a circular rigidly clamped plate. V. T. Grinchenko, A. F. Ulitko. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 16 no. 5: 125-132 '63.

Single-valued determinacy of ovaloids with cuts. V. T. Fomenko. Dokl. AN SSSR 152 no. 6: 1320-1323 O '63.

Solvability of Riemann's homogeneous problem on closed Riemann surfaces. R. N. Abdulaev. Dokl. AN SSSR 152 no. 6: 1279-1281 O '63.

Solving certain boundary value problems by Fourier's method. V. E. Liantse. Dokl. AN SSSR 152 no. 4: 816-819 O '63.

Some boundary value problems in infinite regions. D. M. Fidus. Izv. AN SSSR. Ser. mat. 27 no. 5: 1055-1080 S-O '63.

Some problems in the theory of optimum control. Iu. V. Egorov. Zhur. vych. mat. i mat. fiz. 3 no. 5: 887-904 S-O '63.

Study of the scattering problem in certain infinite domains. Part 2 [with summary in English]. A. G. Ramm. Vest. LGU 18 no. 19: 69-76 '63.

Theorems on difference inequalities for multiple-point difference boundary value problems. A. L. Teptin. Mat. sbor. 62 no. 3: 345-370 N '63.

Theory of approximation of analytic functions, continuous in closed regions, and S. M. Nikol'skii's problem. V. K. Dziadyk. Izv. AN SSSR. Ser. mat. 27 no. 5: 1135-1164 S-O '63.

Uniform difference schemes for a fourth-order equation with discontinuous coefficients. Khao Shou [Hao Shou]. Zhur. vych. mat. i mat. fiz. 3 no. 5: 841-860 S-O '63.

Use of the method of differences in solving the two-phase Stefan problem. F. P. Vasil'ev, A. B. Uspenskii. Zhur. vych. mat. i mat. fiz. 3 no. 5: 874-886 S-O '63.

Use of the method of finite differences in solving Stefan's single-phase problem for a quasi-linear equation. F. P. Vasil'ev. Dokl. AN SSSR 152 no. 4: 783-786 O '63.

Use of the method of finite differences in solving the single-phase Stefan problem. F. P. Vasil'ev. Zhur. vych. mat. i mat. fiz. 3 no. 5: 861-873 S-O '63.

BOWLINGITE see subdivision under Tyumen' Province

BOXING

Use of boxing exercises during the training period before the fight. Iu. I. Sirotkin. Teor. i prak. fiz. kul't. 26 no. 1: 69-72 Ja '63.

BRACELETS see subdivision under Novgorod

BRACHIOPODA, FOSSIL see subdivision under Caucasus, Kolyma Valley

BRACHIOPODA, FOSSIL—TESTING

Use of sequential tests in determining fossil brachiopods [with summary in English]. M. Rubel. Izv. AN Est. SSR. Ser. fiz.-mat. i tekh. nauk 12 no. 3: 327-333 '63.

BRAIN

Ammonia, glutamic acid and glutamine in the brain in ontogeny under the influence on the organism of oxygen under pressure [with summary in English]. V. A. Kheruvimova. Ukr. biokhim. zhur. 34 no. 2: 230-236 '62.

Basic concepts of the materialistic teaching on cerebral activity. L. G. Voronin. Zhur. vys. nerv. deiat. 13 no. 5: 763-771 S-O '63.

Changes in the water content in brain tissue during pharmacologically induced sleep, a spastic attack and suffocation. T. P. Zhukova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1: 47-49 '61.

Effect of the stimulation of the reticular formation on the response activity of the cerebellum. S. P. Narikashvili, E. S. Moniava. Soob. AN Gruz. SSR 30 no. 5: 651-656 My '63.

I. M. Sechenov's "Brain reflexes" and present-day psychology. B. G. Anan'ev. Zhur. vys. nerv. deiat. 13 no. 5: 772-780 S-O '63.

Isolation and purification of brain proteinase [with summary in English]. N. M. Poliakova, V. K. Lishko. Ukr. biokhim. zhur. 34 no. 2: 208-216 '62.

Morphological changes in the animal brain following local introduction of strychnine [with summary in English]. M. M. Aleksandrovskaia. Zhur. vys. nerv. deiat. 13 no. 5: 939-945 S-O '63.

Orienting reflex as a cybernetic system. E. N. Sokolov. Zhur. vys. nerv. deiat. 13 no. 5: 816-830 S-O '63.

Representation of a visceral afferent system in the zone of the internal capsule. O. G. Baklavadzhian. Dokl. AN SSR 36 no. 4: 243-247 '63.

Representation of visual, auditory and somatosensory analyzers in the telencephalon of the pigeon. V. I. Gusel'nikov, Do Kong Khun', V. D. Il'ichev. Nauch. dokl. vys. shkoly; biol. nauki no. 4: 54-61 '63.

Sechenov's theory on reflex space perception and several ways of its modern development [with summary in English]. E. Sh. Airapet'iants, A. S. Batuev. Zhur. vys. nerv. deiat. 13 no. 5: 831-844 S-O '63.

State of some oxidizing enzymes of the brain in tissue therapy. L. S. Zholnerovich. Uch. zap. UEIGB 5: 258-262 '62.

Tonic conditioned reflexes as a form of integrated brain activity. E. A. Asratian. Zhur. vys. nerv. deiat. 13 no. 5: 781-788 S-O '63.

BRAIN—BLOOD SUPPLY

Blood circulation of the brain following asphyxia in adult animals. B. N. Klosovskii, V. P. Shaf'ianova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1: 60 '61.

Permeability of the capillaries of the brain at different stages of embryonic development (in health and following suffocation). Z. N. Kiseleva, T. B. Mladkovskaia. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1: 43-44 '61.

BRAIN—CANCER

Metastatic cancer of the brain with the primary source in the lungs and bronchi and the limits of surgical intervention [with summary in French]. IA. M. Pavlonskii. Zhur. nevr. i psikh. 63 no. 2: 167-171 '63.

BRAIN—DISEASES

Histopathology of the reticular formation in acute poliomyelitis. L. M. Popova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1: 66-67 '61.

Morphological changes in the brain in various localizations of the thrombus in the internal carotid artery. A. N. Kottover, I. G. Liudkovskaia, I. V. Gannushkina. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1: 56-58 '61.

"The senile brain, a clinical study" [in English] by R. S. Allison. Reviewed by E. IA. Shternberg. Zhur. nevr. i psikh. 62 no. 12: 1882-1883 '62.

Some data on the state of the hematoencephalic barrier in cerebral cysticercosis [with summary in French]. I. P. Antonov, T. P. Sizonenko. Zhur. nevr. i psikh. 63 no. 2: 213-216 '63.

BRAIN—INFLAMMATION see Encephalitis

BRAIN—LOCALIZATION OF FUNCTIONS

At the control board of the brain. A. Fulk. ... 31 no. 8: 33-34 '63.

Electrophysiological study of excitation ... nervous system. V. S. Rusinov. Zhur. vys. ... 13 no. 5: 798-815 S-O '63.

BRAIN—SURGERY

Cerebral electrical activity following hemisphere ... [with summary in English]. E. N. Sergeev, E. ... kin. Zhur. vys. nerv. deiat. 13 no. 5: 791-797 ...

Late results of prefrontal leukotomy according ... cal, X-ray and electroencephalographic data [... summary in French]. V. N. Bondarev, I. I. ... V. F. Dedov. Zhur. nevr. i psikh. 62 no. 12: ... '62.

Metastatic cancer of the brain with the primary ... in the lungs and bronchi and the limits of ... intervention [with summary in French]. IA. M. ... skii. Zhur. nevr. i psikh. 63 no. 2: 167-171 '63.

BRAIN—TUMORS

"Angiography in the diagnosis of tumors and ... diseases of the brain" by M. D. Gul'perin. ... gov. Zhur. nevr. i psikh. 63 no. 3: ...

Disorders of bioelectrical activity in ... the cerebral hemispheres [with summary in ... D. G. Shmel'kin. Zhur. nevr. i psikh. 63 ... '63.

Dynamics of the electroencephalogram in ... septum pellucidum of the brain [with ... French]. L. B. Likhtenman. Zhur. nevr. i ... no. 2: 187-194 '63.

Importance of the study of unconditioned reflex ... tion in differential diagnosis of tumors of ... lobe and posterior cranial fossa [with ... French]. T. S. Malysheva. Zhur. nevr. i psikh. ... no. 2: 177-180 '63.

Reciprocal interrelations of muscle antagonists ... normal conditions and in the case of brain ... V. I. Savich. Dokl. AN BSSR 7 no. 1: 30 ... 5 ...

Venography in tumors of the subcortical ganglia [... summary in French]. A. N. Lebedev. Zhur. ... psikh. 63 no. 2: 181-186 '63.

BRAIN—WOUNDS AND INJURIES

Effect of a brain injury on the course of ... [with summary in French]. L. P. Lonova. ... i psikh. 63 no. 2: 254-258 '63.

Some biochemical changes in the cerebrospinal ... under the influence of craniocerebral trauma. ... TSulaia, A. D. Gagulashvili, V. R. Maisuri. ... Gruz. SSR 30 no. 5: 579-582 My '63.

BRASOVSKIY DISTRICT—MITES

Gamasid mites of some rodents and entomo... mals in Bryansk Province. I. P. Khomiakov. ... dokl. vys. shkoly, biol. nauki no. 4: 17-19 '63.

BRASOVSKIY DISTRICT—PARASITES—MOLDS (ANIMALS)

Gamasid mites of some rodents and entomo... mals in Bryansk Province. I. P. Khomiakov. ... dokl. vys. shkoly, biol. nauki no. 4: 17-19 '63.

BRASOVSKIY DISTRICT—PARASITES—RODENTS

Gamasid mites of some rodents and entomo... mals in Bryansk Province. I. P. Khomiakov. ... dokl. vys. shkoly, biol. nauki no. 4: 17-19 '63.

BRASS—SPECTRA

Effect of the discharge energy and the plasma ... ture on the relative intensity of the analytical ... lines of zinc and copper [with summary in ... G. V. Ovechkin, L. E. Sandrygailo. Zhur. anal. ... 18 no. 7: 799-807 Jl '63.

BRASS—TESTING

Nature of anomalies in the plasticity of two-phase ... A. A. Presniakov, G. V. Starikova. Fiz. met. i metall. ... 12 no. 6: 873-878 D '61.

BRATSK—WOODWORKING INDUSTRIES

Arkhipov, B. A., and others. [Wood processing at the Bratsk Woodworking Combine] Podgotovka drevesiny na Bratskom lesopromyshlennom komplekse. Moskva, TSentral'nyi nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniia po lesnoi, tsellyulozno-bumazhnoi i derevoobrabatyvaiushchei promyshl. i lesnomu khoz-vu, 1963. 22 p.

[MICROFILM]

BRATSK HYDROELECTRIC POWER STATION

Bratsk galaxy. Nikolai Bykov. Ogonek 41 no. ... S '63.

Let's show more initiative! V. Oparin. Okhr. ... sots. strakh. 6 no. 11: 3-4 N '63.

Russia (1923- U. S. S. R.) Ministerstvo stroitel'stva elektrostantsii. [The Bratsk Hydroelectric Power Station] Bratskaia gidroelektrostantsiia. Moskva, ... 1 v.

[MICROFILM]

A sea is born today. K. Retinskii. Sov. radio i tel. ... no. 6: 32-33 Je '62.

BRAZIL—TECHNICAL EDUCATION

Technical education in Brazil. R. R. Carneiro. Mir nauki no. 4, 18-20 '62

BREAD

Bread. Arkadii Perventsev. Mol. komm. no. 10, 9-13 O '63.

Bread varieties in various countries. Khleb. i kond. prom. 7 no. 10, 39-44 O '63.

New technology for the preparation of Kaunas bread with the use of liquid yeast. I. M. Roitel' and others. Khleb. i kond. prom. 6 no. 1, 25-28 Ja '62.

Roitel', I. M. [Bread making] Khlebopekarnoe proizvodstvo; tekhnologicheskii spravochnik. Izd. 3., pererab. i dop. Kiev, Gostekhizdat USSR, 1963. 489 p.

Studying the flavor giving substances formed during the process of dough fermentation and bread baking. R. R. Tovareva, V. L. Kretovich. Khleb. i kond. prom. 6 no. 1, 5-11 Ja '62.

BREAM see subdivision under Dnieper River

BREAST—CANCER

Radiation therapy of breast cancer" by T. G. Larisetchko. A. G. Naddmarov, D. L. Rozin. Med. rad. 8 no. 2, 76-78 F '63.

BREATHING see Respiration

BREMSSTRAHLUNG

Effect of the finite nuclear dimensions on particle polarization in the case of pair formation and bremsstrahlung. F. S. Sadykhov. Izv. AN SSSR, Ser. fiz. 27 no. 10: 1277-1280 O '63.

Use of a standard ionization chamber in measuring a tremsstrahlung energy flux. A. P. Komar, S. P. Kruglov, I. V. Lopatin. Zhur. tekh. fiz. 33 no. 8, 949-953 Ag '63.

BREST, BATTLE OF, 1941

Her birthday. A. Balash. Rab. i stial. 39 no. 7, 14-15 Jl '63.

BREST PROVINCE—FIRES AND FIRE PREVENTION

Important field of activities of the Volunteer Firemen Societies. N. Musatov. Pozh. delo 7 no. 7, 26-30 Jl '61.

BREWING

Studying the autolysis of precipitation yeasts in beer during the secondary fermentation. M. V. Zaznaina. Izv. vys. uchеb. zav., pishch. tekh. no. 4, 76-78 '63.

BREWING INDUSTRY
(see also subdivision under Czechoslovakia)

Efficient utilization of hops in the brewing industry. A. M. Yavrotskaia and others. Izv. vys. ucheb. zav.; pishch. tekh. no. 4, 80-85 '63.

BRIANTSEV, ALEKSANDR ALEKSANDROVICH, 1882-1961

Zal'tser, S. D. A. A. Briantsev. Moskva, Vses. tsentral'noe ob-vo, 1962. 200 p. (MH)

BRICKS—DEFECTS

Concerning salt spots on faced ceramic products. IA. A. Sokolov, V. P. Bol'shukhin, T. S. IAkopson. Stroi. mat. no. 7, 31-33 Jl '63.

BRICKS—TRANSPORTATION see subdivision under Ukraine

BRIDGE WHIST see subdivision under United States

BRIDGES—DESIGN AND CONSTRUCTION

Design of not-reinforced slabs for the bridge road. Avt. dor. 25 no. 10, 32 O '63.

Poetry of reinforced concrete. IU. Sergeev. Sov. Soiuz no. 9, 40-43 '63.

BRIDGES—FOUNDATIONS AND PIERS
(see also subdivision under Omsk)

Building bridge supports on bored pilings. G. I. Petrov. Osn., fund. i mekh. grun. 5 no. 4, 10-13 '63.

BRIDGES—STANDARDS

Technical specifications for the design of bridges and pipes. N. B. Lialin. Transp. stroi. 12 no. 3, 43-45 Mr '62

BRIDGES, CONCRETE see subdivision under Krasnoyarsk

BRIDGES, WOODEN

Protecting wooden automobile bridges from rotting in order to lengthen their life. A. G. Vol'ter. Shor. nauch. rab. DVNIIS no. 1, 31-35 '61.

BRINES see subdivision under Antarctic regions; Kara-Bogaz-Gol (Gulf)

BRIQUETS

Equipment for briquetting fibre-filled molding. G. D. Lakeev. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10, 51-52 '63.

Using chemical catalysis for nodulizing charge mixtures composed of various raw materials. P. I. Kanavets and others. Trudy IGI 22, 114-126 '63.

BRIQUETS (FUEL)

Utilization of industrial wastes without creating new waste products. K. Bushin, IU. Nazarov. Pozh. delo 7 no. 7, 7-8 Jl '61.

BRIQUETS (FUEL)—TESTING

Technological characteristics of granulating coal charges. P. I. Kanavets and others. Trudy IGI 22, 147-153 '63.

Thermographic investigation of coal granules for the purpose of studying their behavior during thermal decomposition. P. I. Kanavets and others. Trudy IGI 22, 136-146 '63.

BRITISH CHANNEL—NAVIGATION

Control of ship movements in the British Channel. E. Mikulinskii. Mor. flot 23 no. 9, 21-26 S '63.

BRITISH COLUMBIA—ECONOMIC GEOGRAPHY

Developing productive forces in the northwestern part of British Columbia. G. A. Zyrianov. Probl. Sev. no. 5, 130-145 '63.

BRITISH GUIANA—POLITICS AND GOVERNMENT

The plot against Guiana. D. Vol'skii. Nov. vrem. 21 no. 41, 11-12 O '63.

"The strike in Georgetown" is a lie of the capitalist press. George Camp. Vsem. prof. dvizh. no. 10, 10-16 O '63.

BRITISH PERIODICALS—BIBLIOGRAPHY see Bibliography—British periodicals

BRIULLOV, ALEKSANDR PAVLOVICH, 1798-1877

Graphic portraits by A. P. Briullov. E. Gerlovina. Iskusstvo 26 no. 6, 67-67 '63.

BROACHING MACHINES

Broaching deep holes in cast-iron parts. A. G. Kaleshin, N. I. Kovzel', E. I. Rabinovich. Stan. i instr. 34 no. 10, 30-31 O '63.

Conference on the design, manufacture, and use of broaches. V. N. Gavrilov. Stan. i instr. 34 no. 9, 40-41 S '63.

Investigating the effect of some factors on the shear of borders of cast-iron parts caused by broaching. S. I. Zhitnitskii. Stan. i instr. 34 no. 10, 20 O '63.

Mechanism for accelerating the exchange of cutting tools. A. A. Vodop'ianov. Mashinostroitel' no. 11, 21 N '63.

BROAD BEAN

Effect of the methods of sowing on the yield, growth dynamics, and seed quality of forage beans. U. Sh. Satyev. Nauch. dokl. vys. shkoly, biol. nauki no. 4, 159-161 '63.

Globulins in the seeds of broad bean (Vicia faba L.). A. D. Berezovikov. Trudy po khim. prirod. soed. no. 5, 59-62 '62.

Qualitative composition of the plastid pigment complex of the green embryos in horse beans. G. IA. Zhukova. Bot. zhur. 48 no. 9, 1360-1362 S '63.

BROMIDES

Obtaining polyconjugated systems by interaction of α,β-dibromides with calcium oxide. IA. M. Paushkin, M. S. Akutin, S. A. Nizova. Neftekhimiia 3 no. 4, 515-517 Jl-Ag '63.

BROMINATION

Bromination of adducts of 2-methyl- and 2,5-dimethylfuran with maleic anhydride. N. S. Zefirov and others. Zhur. ob. khim. 33 no. 10, 3430-3440 O '63.

Nitration and bromination of 6-phenyl-2-pyrone. N. P. Shusherina and others. Zhur. ob. khim. 33 no. 10, 3434-3435 O '63.

BROMINE

Effect of bromine on the optical properties of purine and pyrimidine bases. A. A. Baev and others. Dokl. AN SSSR 152 no. 2, 331-334 S '63.

BROMINE—ANALYSIS

Micromethod for the determination of chlorine and bromine. N. P. Fedorovskaia, I. M. Khaskina. Trudy IGI 21, 190-196 '63.

BROMOPHENOL BLUE

Suppression of the decomposition of bromophenol blue in a caustic soda solution. IU. IA. Gofman. Trudy po khim. prirod. soed. no. 5, 75-78 '62.

BRONCHI—CANCER

Primary cancer of a bronchial stump following pneumonectomy due to tuberculosis. V. G. TSuman. Trudy mol. nauch. sotr. MONIKI no. 1, 18-21 '59.

BRONCHI—FOREIGN BODIES

Undiagnosed foreign body in the bronchus leading to lung resection. M. M. Krivorotova. Kaz. med. zhur. no. 2, 72-73 Mr-Ap '63.

BRONCHI—INNERVATION

Changes in the innervation of the bronchi in lung suppuration; abstract. I. A. Zav'ialova. Kaz. med. zhur. no. 1, 108 Ja-F '61.

BRONCHI—RADIOGRAPHY

Role of bronchography in the diagnosis of nonspecific pulmonary suppuration. I. M. Miloslavskii. Kaz. med. zhur. no. 1, 22-26 Ja-F '61

BRONCHOSCOPY

Tracheobronchoscopy in tuberculosis. G. A. Eliseeva, E. I. Rodionova. Kaz. med. zhur. no. 2, 12-15 Mr-Ap '63.

BRONIEWSKI, WLADISLAW, 1898-

W. Broniewski and Soviet culture. V. A. Khorev. Lit. slav. nar. 8, 177-185 '63.

BROOMRAPE

Laboratory method for determining the sunflower resistance to broomrape. V. F. Kukin. Nauch. trudy Vses. sel.-gen. inst. no. 5, 160-161 '62.

BRUCELLOSIS

Award of the I. I. Mechnikov Prize. Izv. AN SSSR, Ser. biol. 28 no. 5, 781 S-O '63.

Exercise therapy in the compound treatment of exacerbations of brucellosis; abstract. I. B. Temkin. Kaz. med. zhur. no. 1, 116-117 Ja-F '61

Reservoir of brucellosis infection in nature. I. G. Galuzo, M. M. Rementsova. Veterinariia 37 no. 2, 12-15 F '60

BRUCELLOSIS—PREVENTIVE INOCULATION

Study of the brucellosis vaccine from the Brucella suis No. 61 strain. A. N. Kastianov. Trudy Mosk. vet. akad. 12, 37-47 '59.

BRUCELLOSIS IN CATTLE

Accelerated agglutination reaction in diagnosing brucellosis in cattle. S. M. Kobets. Trudy Mosk. vet. akad. 12, 48-53 '56.

Some results of controlling brucellosis in cattle at the training farm of the Institute. A. I. Ulendeev and others. Trudy Ul'ian. sel'khoz. inst. 8 no. 2, 13-20 '61.

BRUCELLOSIS IN CATTLE—PREVENTIVE INOCULATION

Differentiation of animals infected with brucellosis from healthy animals in a vaccinated herd. A. I. Ulendeev, E. I. Kozlova, N. F. Vladimirtseva. Trudy Ul'ian. sel'khoz. inst. 8 no. 2, 123-127 '61.

BRUSHES, ELECTRIC

Increase of the current density under the brushes of d.c. machines. V. A. IAkovenko. Elektrotekhnika 34 no. 9, 25-27 S '63.

Performance of the brush contact of electrical machines at increased current densities. A. IA. Gluskin, A. M. Bordachenkov, V. P. Stepanov. Elektrotekhnika 34 no. 9, 20-25 S '63.

Study of a sliding contact during the operation of brushes on carbon-graphite collectors. A. S. Fialkov, M. A. Vil'kin. Elektrotekhnika 34 no. 9, 17-20 S '63.

BRYANSK—TRAFFIC SAFETY

This should become a rule. B. Shul'man. Za rul. 21 no. 8, 13 Ag '63.

BRYANSK—WOOLEN AND WORSTED MANUFACTURE

Practice of Bryansk Worsted Fabrics Works in using a new method of sizing. N. D. Veselova, R. A. Chernikov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10, 71-76 '63.

BRYANSK PROVINCE—RUSSIAN LANGUAGE—DIALECTS

Dictionary for eastern Bryansk Province. V. I. Chagishova. Pskov. gov. no. 1, 272-280 '62.

BRYANSK REGION—SUGAR BEETS AS FEED

Sugar beet as a proper source of the stabilization of the feed supply. A. I. Rogozhkin. Zemledelie 25 no. 10, 29 O '63.

BUCKWHEAT see subdivision under Ukraine

BUDD COAST, ANTARCTICA—GEOMORPHOLOGY

Speed of the recent uplift of the Budd Coast of eastern Antarctica. P. S. Voronov, E. S. Korotkevich. Inform. biul. Sov. antark. eksp. no. 35, 5-10 '62.

BUDGET see subdivision under Soviet Central Asia; Ukraine

BUDS

Characteristics of the formation of the vegetative cones of potato eyes in the Sevan region and the Ararat Plain. N. M. Melikian, Zh. V. TSovian. Izv. AN Arm. SSR, Biol. nauki 16 no. 7, 85-94 Jl '63.

Morphogenesis of generative and vegetative buds in sweet cherry. N. P. Berezenko. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 40, 240-256 '62.

BÜCHNER, GEORG, 1813-1837

Taran-Zaichenko, P. V. [Georg Büchner; on the 150th anniversary of his birth] Georg Blukhner; k 150-letiiu so dnia rozhdeniia. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike; VI Seriia: Literatura i iskusstvo, no. 16)

BUILDING see subdivision under Virgin Territory

BUILDING—COLD WEATHER CONDITIONS

Preparation of dry mixes for cold-weather laying [abstract] Stroi. tekh. 40 no. 3 64 Mr '63.

BUILDING—CONTRACTS AND SPECIFICATIONS

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.

Pt 2, Sec. A, ch. 1. [Specifications for construction designs, general part.] Normy stroitel'nogo proektirovaniia, obshchaia chast' (SNiP II-A. 1-62). 1963. 18 p.

BUILDING—DETAILS

Elements of field joints made from separate angle-brackets. I. V. Ermanskii. Prom. stroi. 41 no. 10 44-46 O '63.

Moscow. Inzhenerno-ekonomicheskii institut. [Fundamentals of building, masonry and facing work.] Osnovy stroitel'nogo proizvodstva, kamennye i oblitsovochnye raboty. Uchebnoe posobie po kursu "Tekhnologiia stroitel'nogo proizvodstva." Moskva, 1962. 174 p.

BUILDING—ESTIMATES

(see also subdivision under Leningrad)

Content of termination of the estimated cost of design and research work. Biul. stroi. tekh. 20 no. 10 9-10 O '63.

No estimates. Biul. stroi. tekh. 20 no. 10 22-23 O '63.

BUILDING—INFORMATION SERVICES

Central Institute of Scientific Information on Building and Architecture, a division of the Academy of Building and Architecture of the U.S.S.R. V. I. Vturin. Mash. no. 7 7-8 '63.

BUILDING—REPAIR AND RECONSTRUCTION

Kuritsyn, I. V. [Labor productivity in repair and construction work, methods for measurement and planning.] Proizvoditel'nost' truda na remontno-stroitel'nykh rabotakh, metodika izmereniia i planirovaniia. Moskva, Izd-vo M-va kommunal'nogo khoziaistva RSFSR, 1963. 58 p.

BUILDING—STANDARDS

Change present standards for working out individual projects. Biul. stroi. tekh. 20 no. 8 24-25 Ag '63.

In the State Committees on Construction of the Union Republics. Biul. stroi. tekh. 20 no. 10 36-37 O '63.

"List of planning and construction standards approved by the State Committee on Construction of the Council of Ministers of the U.S.S.R. in the third quarter of 1963." Biul. stroi. tekh. 20 no. 10 47-48 O '63.

"List of planning and construction standards changed by the State Committee on Construction of the Council of Ministers of the U.S.S.R. in the third quarter of 1963." Biul. stroi. tekh. 20 no. 10 48 O '63.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations.] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.

Pt 2, Sec. P, ch. 1. [Warehouses and structures for general purposes, design standards.] Sklady skladskie zdaniia i sooruzheniia obshchego naznacheniia, normy proektirovaniia (SNiP II-P. 1-62). 1963. 7 p.

BUILDING—TECHNOLOGICAL INNOVATIONS

Efficiency promoters suggest. Transp. stroi. 12 no. 3 54-55 Mr '62.

Problems of utilizing achievements of the basic sciences in developing building science and technology. V. A. Kucherenko. Izv. ASiA no. 4 12-18 '61.

BUILDING, IRON AND STEEL

Instructions for designing steel structures using bent sections. Biul. stroi. tekh. 20 no. 10 22 O '63.

BUILDING BLOCKS

Losses in wall blocks made of sawed limestone during the storage and transportation. A. V. Starchikov. Standartizatsiia 27 no. 8 35-36 Ag '63.

BUILDING LAWS

(see also subdivision under Moscow Province)

Basement exits. V. Mishin. Pozh. delo 7 no. 7 11 Jl '61.

Problem waiting to be solved. K. Livov. Pozh. delo 8 no. 9 13-14 S '62.

BUILDING MACHINERY see Construction equipment

BUILDING MATERIALS

(see also subdivision under Izmaylovo, Moscow Province, Kuznetsk Basin; Moscow Province)

In the State Committees on Construction of the Union Republics. Biul. stroi. tekh. 20 no. 8 33-34 Ag '63.

The Institute of New Building Materials. S. V. Paparigopulo. Izv. ASiA no. 1 112 '61.

Machinery for major chemical complexes. M. Onyshchenko. Nauka i zhizn' 12 no. 3 55 Mr '63.

Popov, A. N., and others. [New building materials, facts and figures.] Novye stroitel'nye materialy, tsifry i fakty. Moskva, Izd-vo "Znanie," 1963. 44 p. (V pomoshch' lektoru.)

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations.] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.

Pt 1, Sec. D, ch. 1. [Railroads, materials and products.] Zheleznye dorogi, materialy i izdeliia (SNiP I-D. 1-62). 1963. 16 p.

"Semirigid various mats and slabs used in construction." Biul. stroi. tekh. 20 no. 8 16-17 Ag '63.

BUILDING MATERIALS—AGGREGATES

Production of natural stone wall materials and light aggregates. M. G. Leikin. Stroi. mat. 9 no. 7 41 Jl '63.

BUILDING MATERIALS—DICTIONARIES

Encyclopedia of "Structural materials." I. A. Sheftel'. Kazakh. fiziz. 32 no. 10 62 O '63.

BUILDING MATERIALS—STANDARDS

Changes in state standards. Biul. stroi. tekh. 20 no. 8 19-20 Ag '63.

BUILDING MATERIALS—TRANSPORTATION

(see also subdivision under Vitebsk Province)

In the design institutes. Biul. stroi. tekh. 20 no. 8 39-43 Ag '63.

BUILDING MATERIALS INDUSTRY

Progressive practice is our great wealth. Stroi. mat. 9 no. 10 1-2 O '63.

State Committee for the building materials industry. Stroi. mat. 9 no. 10 28-29 O '63.

Survey of the fulfillment of the plan by the building materials industry. Stroi. mat. 9 no. 10 3-4 O '63.

BUILDING MATERIALS INDUSTRY—EQUIPMENT AND SUPPLIES

New equipment for preparing keramzit granules. N. I. Sokolov. Stroi. mat. 9 no. 10 35 O '63.

BUILDING RESEARCH

(see also subdivision under Rostov)

Council on Coordination of Scientific Work. S. V. Aleksandrovskii. Izv. ASiA no. 4 111 '61.

Scientific Council. L. V. Abramov. Izv. ASiA no. 1 109-111 '61.

BUILDING STONES

Production of natural stone wall materials and light aggregates. M. G. Leikin. Stroi. mat. 9 no. 7 41 Jl '63.

BUILDING TRADES

We mastered allied occupational skills. M. V. Babanskaia. Transp. stroi. 12 no. 9 5 S '62.

BUILDING TRADES—STUDY AND TEACHING

Work clothes for students in the building professions. G. G. Mistrebov. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 41-43 '59.

BUILDINGS—FINISHING

Dobriakova, L. I., and others. [Industrial finishing of buildings.] Industrial'naia otdelka zdanii. Moskva, Gosstroizdat, 1963. 106 p.

BUILDINGS—VIBRATION

Study of nonlinear vibrations of structures during heavy earthquakes. E. E. Khachian. Dokl. AN Arm. SSR 36 no. 4 211-215 '63.

BUILDINGS, PREFABRICATED

Experimental construction of fully prefabricated buildings. S. Zmeul, N. Leventin. Arkhit. SSSR no. 8 26-31 '63.

Improve prefabricated housing construction. Arkhit. SSSR no. 8 5-7 '63.

Measures for further development of research and design in the field of three-dimensional structures and their broader application in building. Biul. stroi. tekh. 20 no. 8 4-5 Ag '63.

BUILT-IN FURNITURE

Miatleva, A. L. [Built-in furniture.] Vstroennaia mebel'. Moskva, Goslesbumizdat, 1963. 143 p.

BUKHARA PROVINCE—COOPERATIVE SOCIETIES

Competition in the grip of formalism. S. Zerkalov, M. Sof'in. Sov. potreb. koop. 7 no. 11 42-44 N '63.

BUKHARA PROVINCE—POULTRY

When you like your work. S. Khodzhaev. Part. zhizn' [Uzb.] 6 no. 2 85-86 F '63.

BULBS (BOTANY)

Identity of amino acid metabolism in bulbaceous plants during the formation of flowers and aerial bulbils. V. O. Kazarian, G. G. Gabrielian. Dokl. AN Arm. SSR 37 no. 1 39-42 '63.

BULGARIA—ARMY

Experts. Iosif Davev. Sov. voin. 15 no. 21 11 [illegible]

BULGARIA—BIBLIOGRAPHY

[New literature on Bulgaria.] Nov. lit. po Bolgarii [illegible] '63.

BULGARIA—COMMUNIST YOUTH

Crown and foundation. Vladimir Pandolov. [illegible] no. 10 107-110 O '63.

BULGARIA—HEALTH RESORTS, WATERING PLACES, ETC.

Planning and development of Bulgarian [illegible] resorts. [I.] Ohanov. Arkhit. SSR no. 9 [illegible]

BULGARIA—LIMESTONE

Mystery of a "stone forest" in Bulgaria. [illegible] shvili, K. R. Zakharova-Kovacheva. [illegible] 90-91 '63.

BULGARIA—MACHINERY INDUSTRY

Machinery manufacturing in People's Bulgaria. [illegible] tsov. Vnesh. torg. 13 no. 10 9-12 '63.

BULGARIA—METAL INDUSTRIES

Metallurgy in the country of roses. V. D. Mitde[illegible] dunar. zhizn' 10 no. 12 107-108 D '63.

BULGARIA—MOTION-PICTURE PLAYS

Growth. Mystetstvo 10 no. 3 32 My-Je '63.

BULGARIA—ORTHODOX EASTERN CHURCH—PERIODICALS

"Tserkoven Vestnik," journal of the Bulgarian Orthodox Church, for the second half of 1963. V. [illegible] Mosk. Patr. no. 8 77-78 Ag '63.

BULGARIA—RELATIONS (GENERAL) WITH [illegible]

Against a falsification of relations between the Bulgarian and Greek peoples. G. L. Arsh. Vop. [illegible] 40 no. 1 195-196 O '63.

BULGARIA—SHIPBUILDING

Shipbuilding section in the Scientific Technical Society for Bulgaria. Sudostroenie 29 no. 11 [illegible]

BULGARIA—STATISTICS—YEARBOOKS

"Statistical yearbook of the People's Republic of Bulgaria for 1962." Reviewed by A. Vostutin. Vest. [illegible] no. 9 62-67 '63.

BULGARIA—TRADE UNIONS

We have a common aim and friendship eternal as [illegible]. Stoian Gutrov. Sov. profsoiuzy 19 no. 17 [illegible] '63.

BULGARIA—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

With a pure heart. N. Mandilov. Sov. voin. 41 [illegible] no. 10 42 Ag '63.

BULGARIAN ART see Art, Bulgarian

BULGARIAN FOLKLORE see Folklore, Bulgarian

BULGARIAN POETRY—HISTORY AND CRITICISM

Socialist poetry of Bulgaria at the end of the 19th and beginning of the 20th century. N. I. Kravtsov. Filol. slav. nau. 3 3-52 '63.

BULKHEADS (NAVAL ARCHITECTURE)

Stressed state of a flat bulkhead reinforced with [illegible] braces. Iu. P. Kochanov. Izv. vys. ucheb. zav. [illegible] nostr. no. 9 70-84 '63.

BULLS

Index of a breeding bull and the error of its [illegible] ness. N. A. Plokhinskii. Prikl. mat. metod v biol no. 2 230-233 '63.

Judging herd bulls by the butterfat content. K. I. [illegible] kin. Trudy Ul'ian. sel'khoz. inst. 9 no. 2 117 [illegible]

Methods for judging bulls of dairy and dual-purpose breeds by the quality of their progeny. A. P. [illegible] Trudy VIZH 24 10-20 '62.

BULLS—DISEASES AND PESTS

Dynamics of the agglutinating and preventive properties of serum in herd bulls hyperimmunized against dysococcal infection. M. M. Kal'chenko. Visnyk sil's'kohosp. nauky 6 no. 4 118-121 Ap '63.

BULLS—FEEDING AND FEEDS

Effect of hydrolysis forage yeast on semen productivity in herd bulls. M. F. Tomme, R. V. Ma[illegible]tynenko. Trudy VIZH 24 344-350 '62.

BUNIN, IVAN ALEKSEEVICH, 1870-1953

I. A. Bunin's letters to N. D. Teleshov, 1941-1947. Submitted by A. K. Baboreko, A. N. Teleshov. Lit. arkh. no. 2 156-167 Mr-Ap '62.

BUOYS

Equipment of standard buoyage service ships and motor launches. P. P. Konovalov. Trudy LIVT no. 36 [illegible] '62.

BURBOT
Fishing in February. I. Reshetnikov IUn. nat. no. 2:10 F '63.

BURETTES
Preservation of concentrations used in pharmacies for burette installations. K. D. Sedova, V. S. Kuznetsova. Sbor. nauch. trud. TSANII 3 75-85 '62.

BURMA—TERMITES
Termites of tropical Burma. B. G. Rozanov. Priroda 52 no. 9 63-67 '63.

BURMESE AUTHORS see Authors, Burmese

BURMESE LANGUAGE—TRANSLITERATION INTO RUSSIAN
Russian scientific transliteration of Burmese words. V. G. Zlatoverkhova. Nar. Az i Afr. no. 5 151-156 '63.

BURNERS—STANDARDS
Standardizing low-pressure burners with air atomizing. I. G. Satanovskii, G. B. Lifshits. Kuz.-shtam. proizv 5 no. 9 34-35 S '63.

BURNS AND SCALDS
Clinical aspects and treatment of thermal burns in animals. P. V. Mikheichikov, I. A. Ulanov. Sbor. stud. rab MTIMMP no. 7 10-51 '62.

Anomalies recovered. Zvezda no. 7:142-143 Jl '62

Skin diseases in burned patients [with summary in English]. V. V. Vlasov, K. A. Khotenovskii. Vest. derm. i ven. 36 no. 10:31-34 O '62.

Cicatrix of the corneal nerves in burns of the eye. A. I. Popova. Trudy mol. nauch. sotr MONIKI no. 1:70-72 '59.

BURYAT A.S.S.R.
Pravda. [The Buryat sings of happiness; through the pages of the newspaper "Pravda"] Buriat poet o schast'e, po stranitsam gazety "Pravda". Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 66 p. (MH)

BURYAT A.S.S.R.—ECONOMIC CONDITIONS
[The 40th anniversary of the Buryat A.S.S.R; articles] Sorok let Buriatskoi ASSR, sbornik statei. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963. 137 p.

BURYAT A.S.S.R.—EDUCATION
In the past forty years. S. Dugarov. Nar. obr no. 10 20-25 O '63.

BURYAT A.S.S.R.—SUGAR BEETS—FERTILIZERS AND MANURES
Effect of mineral fertilizers on the yield of sugar beets in the Buryat A.S.S.R. G. P. Kolmakov. Zemledelie 25 no. 10:55-57 O '63.

BURYAT LANGUAGE
Shagdarov, L. Sh. [Figurative words in the present-day Buryat language] Izobraziteľnye slova v sovremennom buriatskom iazyke. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 140 p. (MH)

BURYATS—ANTHROPOMETRY
Factor analysis and its use for studying the relation of some anthropometric characters of Russians and Buryats. V. P. Chtetsov. Prim. mat. metod v biol. no. 2: 100-106 '63.

BUSINESS see subdivision under United States

BUTADIENE
Calculating equilibria of the dehydrogenation reactions of butane-butene mixtures and of n-butenes to 1, 3-butadiene. Part 2. M. I. Bogdanov. Neftekhimiia 3 no. 4 488-493 Jl-Ag '63.

Chemistry of unsaturated ethers. Part 17. Synthesis of acetals of aryl polyene aldehydes. O. A. Shavrygina, S. M. Makin. Zhur. ob. khim. 33 no. 10:3176-3180 O '63.

Reactions of the diene synthesis and addition of butadienephosphinic and butadienethiophosphinic esters. A. N. Pudovik, I. V. Konovalova, E. A. Ishmaeva. Zhur. ob. khim. 33 no. 8 2509-2513 Ag '63.

Synthesis based on diene condensation. Part 1: 1-Methyl-4-arylanthraquinones. N. I. Ganushchak, A. V. Dombrovskii, O. A. Vislobitskaia. Zhur. ob. khim. 33 no. 8: 2532-2534 Ag '63.

Synthesis of butadiene and methyl methacrylate copolymers and the basic properties of sulfurous vulcanizates made on their base. N. M. Mironova and others. Kauch. i rez. 22 no. 10:1-5 O '63.

Unsaturated hydrocarbons containing a cyclopropyl radical. Part 1: 1, 1-Dicyclopropyl-1, 3-butadiene, 2-cyclopropyl-2, 4-pentadiene, and 1, 1-dicyclopropyl-1-butene. S. Kh. Begidov, T. V. Domareva, I. A. Dliakonov. Zhur. ob. khim. 33 no. 10 3426-3433 O '63.

Use of hexachlorobutadiene for combating "blooming" of industrial water. L. V. Arkhipova and others. Khim. prom. no. 7:498-501 Jl '63.

BUTADIYNE
Phosphinic acid esters with diacetylene radicals. B. I. Ionin, V. B. Lobedev, A. A. Petrov. Dokl. AN SSSR no. 6 1354-1356 O '63.

BUTANE
Calculating equilibria of the dehydrogenation reactions of butane-butene mixtures and of n-butenes to 1, 3-butadiene. Part 2. M. I. Bogdanov. Neftekhimiia 3 no. 4 488-493 Jl-Ag '63.

Effect of solvents on the mechanism underlying liquid-phase oxidation of n-butane. E. A. Blumberg, A. D. Mailevskii, N. M. Emanuel'. Neftekhimiia 3 no. 4 541-547 Jl-Ag '63.

Initiated cracking of propane-butane mixtures. A. D. Stepukhovich, I. I. El'terman, V. P. Balakhnin. Neftekhimiia 3 no. 4 531-540 Jl-Ag '63.

BUTANEDIOL
Glycol ethers and their derivatives. Part 59. Alkoxymethyl ethers of 1, 4-butanediol. Shamkhal Mamedov, IU. V. Pokonova. Zhur. ob. khim. 33 no. 10 3171-3176 O '63.

BUTANOL
Oxidation of n-butanol in the liquid phase initiated by Co^{60}-radiation. P. N. Komarov, E. V. Barelko, M. A. Proskurnin. Neftekhimiia 3 no. 4 609-611 Jl-Ag '63.

BUTENE
Calculating equilibria of the dehydrogenation reactions of butane-butene mixtures and of n-butenes to 1, 3-butadiene. Part 2. M. I. Bogdanov. Neftekhimiia 3 no. 4 488-493 Jl-Ag '63.

Reaction of nitrosyl chloride with unsaturated hydrocarbons. Part 8. Reaction with 2-butene. K. A. Oglobin, M. A. Samartsev. Zhur. ob. khim. 33 no. 10:3257-3262 O '63.

Synthesis of 1-arylbuten-2-yldiethylmalonic esters and 1-arylbuten-2-ylacetic acids from chloroaryl butenes and sodium malonic ester. M. M. IUkhomenko, N. I. Ganushchak, A. V. Dombrovskii. Zhur. ob. khim. 33 no. 8:2528-2532 Ag '63.

BUTENYNE
Addition of benzonitrile oxide to unsaturated compounds. Part 1. Condensation of benzonitrile oxide with substances containing a vinylacetylene grouping. V. N. Chistokletov, A. T. Troshchenko, A. A. Petrov. Zhur. ob. khim. 33 no. 8 2555-2559 Ag '63.

Homologs of monovinylacetylene. Part 11: Dehydration of acetylenic alcohols 2, 6-dimethyl-3-heptyn-5-ol, 2, 2, 6-trimethyl-3-heptyn-5-ol, and 2, 2-dimethyl-6-ethyl-3-heptyn-5-ol. I. A. Favorskaia, A. A. Gavrilovskaia. Zhur. ob. khim. 33 no. 8 2472-2475 Ag '63.

BUTKEVICH, GEORGII VLADIMIROVICH, 1913-
Professor G. V. Butkevich; on his 60th birthday. V. N. Arkhipov and others. Elektrichestvo no. 10:92-93 O '63.

BUTTERFAT
Judging herd bulls by the butterfat content. K. I. Klitushkin. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:117-121 '61.

Some characteristics of the composition of feed rations for cows and their effect on the conjugated acids of butterfat. S. P. Libets. Dokl. TSKHA no. 80:81-84 '61.

BUTYRIC ACID
Reaction of thiourea with α-bromobutyric acid. Part 2. Characteristics of the reaction taking place at low concentrations of initial substances. E. D. Sverdlov and others. Zhur. ob. khim. 33 no. 10 3373-3378 O '63.

BUZSKIY MASSIF—IRRIGATION
Protect the land from salinization. G. Dzeventskii, V. Zarva. Nar. khoz. Uzb. 5 no. 7:63-66 Jl '63.

BUZSKIY MASSIF—SALINE AND ALKALI SOILS
Protect the land from salinization. G. Dzeventskii, V. Zarva. Nar. khoz. Uzb. 5 no. 7:63-66 Jl '63.

BYKOV, KONSTANTIN MIKHAILOVICH, 1886-
Scientific work of Academician K. M. Bykov; on the 75th anniversary of his birth. I. N. Volkova. Kaz. med. zhur. no. 1:3-6 Ja-F '61.

BYKOVSKII, VALERII FEDOROVICH, 1934-
Heroic flight. Voen. vest. 43 no. 7:3 Jl '63.

BYZANTINE STUDIES see subdivision under Germany, West

CABBAGE—HARVESTING
Machines for continuous harvesting of common cabbage. IU. A. Nikolaev, P. S. Kotov. Trakt. i sel'khozmash. 33 no. 8:36-37 Ag '63.

CABBAGE—IRRIGATION see subdivision under Omsk region

CADMIUM
Adsorption of cadmium and zinc from ammonium iodide solutions on a cation exchanger. IA. D. Fridman, R. K. Drachevskaia, N. V. Dolgashova. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 1:97-101 '63.

Study of the causes of reverse cadmium dissolution during the refining of zinc solutions by cementation. V. I. Shestakova. Izv. AN Kaz. SSR. Ser. est. i tekh. nauk 5 no. 1 113-119 '63.

Study of the dislocation structure and the multiplication of dislocations in cadmium crystals. N. A. Tiapunina and others. Kristallografiia 8 no. 3 405-412 My-Je '63.

CADMIUM ANTIMONIDES—ELECTRIC PROPERTIES
Anisotropy of the electric properties of CdSb [with summary in English]. S. M. Gusev. Ukr. fiz. zhur. 8 no. 8 883-886 Ag '63.

Electric properties of single-crystal cadmium antimonide with various admixtures. I. B. Andronik, M. V. Kot, D. A. Shcherban. Trudy po fiz. poluprov. no. 1 37-46 '62.

CADMIUM COMPOUNDS—ELECTRIC PROPERTIES
Effect of surface recombination on the cathodoconductance of cadmium sulfide and cadmium selenide crystals. M. V. Kot, A. V. Simashkevich. Trudy po fiz. poluprov. no. 1 19-27 '62.

Electric properties of the ternary semiconducting compound $CdIn_2Te_4$ [with summary in English]. I. V. Potykevych, S. V. Chepura. Ukr. fiz. zhur. 8 no. 8 889-893 Ag '63.

CADMIUM COMPOUNDS—OPTICAL PROPERTIES
Correction to the article "Optical properties of thin films of cadmium and zinc selenides and zinc telluride beyond the long-wave absorption boundary". M. V. Kot, V. G. Tyrziu. Trudy po fiz. poluprov. no. 1 146-147 '62.

CADMIUM CRYSTALS
Static skin effect in single-crystal cadmium specimens. G. A. Zaitsev. Zhur. eksp. i teor. fiz. 45 no. 4 1266-1269 O '63.

CADMIUM ORGANIC COMPOUNDS
Stability of mixed thiogenate halo compounds of cadmium in solutions. IA. D. Fridman, Dzh. S. Sarbaev. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 1 125-133 '63.

CADMIUM SELENIDE
Electric, optical, and photoelectric properties of thin films of the system ZnSe - CdSe. M. V. Kot, A. V. Simashkevich, V. G. Tyrziu. Trudy po fiz. poluprov. no. 1 110-120 '62.

CADMIUM SELENIDE CRYSTALS
Electron diffraction study of the structure of monocrystalline cadmium selenide films. I. P. Kalinkin and others. Kristallografiia 8 no. 3 459-461 My-Je '63.

CADMIUM SELENIDE CRYSTALS—OPTICAL PROPERTIES
Complex structure of bands and excitons in cadmium selenide crystals. V. V. Sobolev. Dokl. AN SSSR 152 no. 6 1342-1345 O '63.

CADMIUM TELLURIDE
Electric, optical, and photoelectric properties of thin films of the system CdTe - HgTe. M. V. Kot, IU. E. Maronchuk. Trudy po fiz. poluprov. no. 1 131-141 '62.

Electric, optical, and photoelectric properties of thin films of the system ZnTe - CdTe. M. V. Kot and others. Trudy po fiz. poluprov. no. 1 121-130 '62.

CADMIUM TELLURIDE—PHOTOELECTRIC PROPERTIES
Photoelectric properties of thin films of cadmium telluride. M. V. Kot, IU. E. Maronchuk. Trudy po fiz. poluprov. no. 1:85-91 '62.

CALCITE
Interaction of dislocations in twinning calcite crystals. V. Z. Bengus. Kristallografiia 8 no. 3 413-419 My-Je '63.

Some characteristics of the paragenesis of pitchblende and calcite. G. A. Tananaeva. Geol. rud. mestorozh. 5 no. 5:55-61 S-O '63.

CALCIUM
Coextraction of calcium and strontium with hydroxyquinolinates of certain elements. N. V. Shakhova, I. P. Alimarin, IU. A. Zolotov. Dokl. AN SSSR 152 no. 4:884-887 O '63.

Structure of calcium deposits in cheese and other characteristics of their morphology. V. G. Tiniakov. Sbor. stud. rab. MTIMMP no. 7:25-28 '62.

CALCIUM—ANALYSIS
Complexometric methods of determining the calcium and magnesium content in sheep's milk [with summary in English]. G. Kalinkova. Vop. pit. 22 no. 1:62-65 Ja-F '63.

CALCIUM FLUORIDE
Electron paramagnetic resonance of Gd^{3+} in CaF_2. V. M. Vinokurov and others. Fiz. tver. tela 5 no. 10 2902-2907 O '63.

CALCIUM IN THE BODY
Effect of calcium ion deficiency on the interoceptors of the small intestine. V. A. Lebedeva. Dokl. AN SSSR 152 no. 2:497-500 S '63.

CALCIUM IN THE BODY (Continued)
Using muroxid in histochemical determination of calcium. L. L. Shevelevskaia, S. M. Rombe. Trudy VIZH 24 (92-95) '62.

CALCIUM OXIDES
Obtaining phosphorylated systems by interaction of α,β-dihalogenides with calcium oxide. [A. M. Pasekhin, M. S. ... Zh. obshch. khimii 3 no. 4 515-517 Ap '33.

CALCIUM PHOSPHATES
Theory studying of the bone phosphate of fossil fishes in the Soviet Union. G. P. Gorbunko, N. I. Chernova. Bull. mosk. ob-va ispyt. prir. otd. geol. no. 2, 81-87 '62.

CALCIUM SILICATES
Effect of alkalies on the mineral-forming process and hydration of calcium silicates. V. F. Chernykh and others. Izv. vuz. stroi. i arkh. no. 5:79-83 '63.

CALCULATING MACHINES
Initial-condition adjustment on a pneumatic continuous computer. F. D. Gurkin, V. I. Savitskii, I. F. Filimonova. Priborostroenie no. 10:6-8 O '61.

Mechanization of the operations for wage computations. F. O. Hartmann. Tekh. prom. no. 3:75-82 Jl-S '63.

CALCULATING MACHINES—CONGRESSES
Third All-Union Conference on the use of computers in the structural analysis of crystals. Zhur. strukt. khim. 1 no. 5:798-800 S-O '60.

CALCULI, BILIARY
Cholecystitis and cholelithiasis. Report No. 1. V. I. Braude. Trudy mol. nauch. sotr. MONIKI no. 1, 218-221 '59.

CALCULI, URINARY
Basis for the use of novufin for the removal of small ureteroliths. M. F. Sadykova. Kaz. med. zhur. no. 2:47-50 Mr.-Ap. '63.

CALCULUS, INTEGRAL
Kissin, V. E. [Higher mathematics] Vysshaia matematika. Moskva, M-vo vysshego i srednego spetsial'nogo obrazovaniia RSFSR.
Pt. 3. [Integral calculus] Integral'noe ischislenie. 1961. 271 p.

CALCULUS, OPERATIONAL
Krylov, B. L. [Fundamentals of operational calculus] Osnovy operatsionnogo ischisleniia, uchebnoe posobie dlia aviatsionnykh institutov. Izd. 2., perer. Kazan', Kazanskii aviatsionnyi in-t, 1961. 50 p. [MICROFILM]

CALCULUS OF TENSORS
Two approaches to the covariant description of fields of elementary particles. A. E. Levashev, O. S. Ivanitskaia. Dokl. AN BSSR 7 no. 4:233-236 Ap '63.

CALCULUS OF VARIATIONS
Optimal placement of a point on a trajectory corresponding to the required method of launching [with summary in English]. Iu. Z. Aleshkov. Vest. LGU 18 no. 19:85-91 '63.

Setting variational problems of gas dynamics. V. M. Borisov, Iu. D. Shmyglevskii. Prikl. mat. i mekh. 27 no. 1:183-185 Ja-F '63.

Variational methods of solving problems concerning the deformation and stability of plates and shells in creep. G. V. Ivanov. PMTF no. 5:148-150 S-O '63.

CALENDAR REFORM
Interesting book. N. Rybaltovskii. Mor. flot 23 no. 9:44 S '63.

CALLISTHENICS
Physical education intermission for rolling mill operators. N. V. Reshetnikov. Teor. i prak. fiz. kul't. 26 no. 1:46-49 Ja '63.

CALORIMETRY
Simultaneous dynamic study and juxtaposition of the data of direct and indirect calorimetry as a method of improving the accuracy of calculations of the overall balance of energy and detecting the qualitative disorders of the overall energy metabolism in pathological states. P. N. Veselkin, V. F. Mogilin. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:15-16 '61.

CALVES
(see also subdivision under Saratov Province)
Changes in the morphological and physicochemical characteristics of calf feces as related to the age, feed rations, and in enterocolitis. A. I. Utendeev. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:41-50 '61.

Enzymatic activity of intestinal juice in calves. V. P. Degtiarev. Dokl. TSKHA no. 69:249-255 '61.

Fetal hemoglobin in cattle. S. Mikle, E. K. Merkur'eva. Nauch. dokl. vys. shkoly, biol. nauki no. 4:178-181 '63.

Internal structure and chemical composition of some femoral muscles in newborn bull calves of the black-and-white breed and its hybrids. V. I. Cordienko. Dokl. TSKHA no. 69:309-316 '61.

Methods for applying chronic fistulas to the gall bladder in young cattle. V. A. Mukhalina. Dokl. TSKHA no. 69: 265-270 '61.

Secretory function of the jejunum in calves. V. P. Degtiarev. Dokl. TSKHA no. 69:257-264 '61.

Some physiological and biochemical blood indices in calves in relation to their age. K. I. Ermenkov. Dokl. TSKHA no. 69 217-226 '61.

CALVES—DISEASES AND PESTS
Practicable and efficient methods for the treatment of paratyphoid in calves. G. N. Kirillov. Sbor. stud. rab. MTIMMP no. 7 16-48 '62.

Prevention and treatment of disease in young animals. A. M. Smirnov and others. Veterinariia 37 no. 2 47-51 F '60.

CAMBODIA—ECONOMIC CONDITIONS
The tenth anniversary of Cambodian independence. IU. Lasnev. Az. i Afr. segodnia no. 11:14-15 N '63.

CAMEROONS—LAND TENURE
How the peoples of the western Cameroons tried to prevent the seizure of land by German and English settlers. L. I. Klim. Afr. sbor. no. 1 74-93 '63.

CAMPHENE
Terpene phenols. Part 12. Condensation of camphene and norbornene with p-cresol and transformations of condensation products. L. A. Khalifits, L. M. Shulov, V. N. Belov. Zhur. ob. khim. 33 no. 8, 2748-2751 Ag '63.

Terpene phenols. Part 14. Isobornylphenols and products of their transformation. G. I. Moldovanskaia and others. Zhur. ob. khim. 33 no. 10:3392-3398 O '63.

CAMPING see subdivision under Novosibirsk

CAMPS see subdivision under Crimea

CAMS
Defects in cam profiles caused by the wear of grinding wheels. V. V. Rachok. Stan. i instr. 34 no. 9 19-20 S '63.

Designing the profile of a cam for lateral tool feed on automatic thread-cutting machines. S. A. Babalan. Stan. i instr. 34 no. 10 35 O '63.

Dynamics of a flexible follower taking damping into consideration. I. I. Vul'fson. Teor. mash. i mekh. no. 94/95 15-25 '63.

Synthesis of a cam mechanism with a flexible link. B. E. Gorskii. Izv. vys. ucheb. zav., mashinostr. no. 7:10-17 '63.

CANADA—ROADS
Construction and operation of local roads in Canada. B. A. Il'in. Avt. dor. 26 no. 10:29-30 O '63.

CANADA—TRIALS (MURDER)
The price of blood. Nov. vrem. 21 no. 45 26 N '63.

CANADA—UKRAINIANS
Voitsenko, Ol'ha. [The annals of Ukrainian life in Canada] Litopys ukrains'koho zhyttia v Kanadi. Winnipeg, Vydavnycha spilka tryzub.
Vol. 2. [Period of growth and differentiation; post-war years, 1919-1924] Doba rostu i dyferentsiiatsii; roky pislia 1-oi svitovoi viiny 1919-1924. 1963. 395 p.

CANALS
Graphic analytic method for finding the operating parameters of a backhoe in plotting working faces in canals and dumping of soil. A. F. Zhelnin. Trudy OmSKhI 41 53-61 '60.

CANCER
Cancer is losing its ground. R. IE. Kavetskyi. Ukraina no. 19 15 O '62.

Effect of ultrasonic waves on the activity of some enzyme systems of erythrocytes in healthy people and in cancer patients [with summary in English]. B. IU. Sal'nik, I. A. Serebrennikova, T. S. Fedorova. Trudy TomNIIVS 12, 292-296 '60.

CANCER RESEARCH
Change in some blood enzymes in malignant neoplasms. N. Z. Piradashvili. Soob. AN Gruz. SSR 30 no. 5:591-594 My '63.

Effect of diethanolamine-3, 5-diiodo-4-pyridone-N-acetic acid (diodone) on the growth of experimental cancer in rabbits. V. I. Ivanov, K. A. Pavlov. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 71-73 '61.

Mechanochemical activity and the permeability of the membranes of the mitochondrias of normal and tumoral cells. T. B. Kazakova, S. A. Neifakh. Dokl. AN SSSR 152 no. 2:471-474 S '63.

CANDIDOMYCOSIS see Moniliasis

CANDLES AND LIGHTS
Candle trade. IU. Aleksandrov. Nauka i rel. 4 no. 8: 28-31 Ag '63.

CANNED FISH see Fish, Canned

CANNED FOODS see Food, Canned

CANNED PEAS see Peas, Canned

CANNES—MOTION-PICTURE FESTIVALS
Prizes awarded at Cannes. Isk. kino 11 no. 1 [illegible]

CANNING AND PRESERVING—LAWS AND REGULATIONS
Is it permissible to manufacture mixed apple-[illegible] paste? A. N. Samsonova. Kons. i ov. prom. [illegible] 39 O '63.

CANNING INDUSTRY
From pages of newspapers. Kons. i ov. prom. 18 no. 8 46 O '63.

Improve the economic justification in the building of canning plants. S. A. Orlov. Kons. i ov. prom. 18 no. 10, 29-30 O '63.

Pamphlet and study plan for correspondence courses for the improvement of skills and qualifications of the members of the Scientific and Technical Society of Engineers and Technical Workers, of production innovators and foremost workers of the canning industry. Kons. i ov. prom. 18 no. 10:40-11 O '63.

Provide for a reliable source of raw materials for the canning plants of consumers' cooperatives. N. I. Ivachev. Kons. i ov. prom. 18 no. 10:1-2 O '63.

CANNING INDUSTRY—EQUIPMENT AND SUPPLIES
New bucket type blancher. A. A. Butovich. Kons. i ov. prom. 18 no. 10:4-5 O '63.

CANNING INDUSTRY—PERIODICALS
Conference of the readers of "Konservnaia i ovoshchesushil'naia promyshlennost'" journal in Tiumen'. I. A. Suslov. Kons. i ov. prom. 18 no. 10:14-16 O '63.

CAPILLARIES—PERMEABILITY
Permeability of the capillaries of the brain at different stages of embryonic development (in health and [illegible] suffocation). Z. N. Kiseleva, T. B. Mindkovskaia. Nauch. inform. Otd. nauch. med. inform. AMN SSSR [illegible] 13-41 '61.

CAPILLARITY
Effect of the physicochemical properties of entrapped gases on the impregnation of porous bodies. N. V. Lebedev, M. A. Al'tshuler. Dokl. AN SSSR 153 no. 4 911-914 O '63.

Experimental investigation of moisture transfer in the capillary border area [with summary in English]. Z. L. Il'in, N. V. Churaev. Inzh.-fiz. zhur. 6 no. 10 111-116 O '63.

CAPITALISM
(see also subdivision under Germany, West)
Problems of political economy in the social sciences course. A. Klimov. Polit. samoobr. 7 no. 9 113-123 S '63.

CAPITALISM—BIBLIOGRAPHY see Bibliography - Capitalism

CAR COUPLINGS
Bespalov, N. G., and V. A. Shilov. [Reinforced automatic coupling system] Usilennoe avtostsepnoe ustroistvo. Pod red. I. N. Novikova. Moskva, Transzheldorizdat, 1963. 28 p. (Dostizhenila nauki i tekhniki v proizvodstvo)

Improving the quality of production and action control of the safety lock of the lock retainer. I. M. Korotkov. Trudy DIIT no. 24:160-165 '54.

CAR WHEELS—MAINTENANCE AND REPAIR
Russia (1923- U.S.S.R.) Glavnoe upravlenie [illegible] nogo khoziaistva. [Uniform technological processes and organization of wheel pair repair in car depots and car-wheel repair shops] Edinyi tekhnologicheskii protsess i organizatsiia remonta kolesnykh par v vagonnykh depo i vagonokolesnykh masterskikh. Moskva, Transzheldorizdat, 1963. 62 p.

CARBAMIC ACID
Certain derivatives of dithiocarbamic acid as reagents for niobium [with summary in English]. L. M. Gindin, I. P. Alimarin, P. Davaadorzh. Zhur. anal. khim. 18 no. 7, 835-839 Jl '63.

Extraction of diethyldithiocarbamates in the analysis of various materials from the metallurgical production. N. P. Strel'nikova. Trudy Kom. anal. khim. 14:305-311 '63.

Extraction of metal compounds with pyrazolidinedithiocarbamates. V. M. Byr'ko. Trudy Kom. anal. khim. 14:191-201 '63.

Extraction-photometric method for determining the [illegible] of heavy metals by means of sodium diethyldithiocarbamate [with summary in English]. A. B. Blank, N. T. Sizonenko, A. M. Bulgakova. Zhur. anal. khim. 18 no. 9, 1046-1050 S '63.

Manganese diethyldithiocarbamate in nonaqueous solvents. IU. I. Usatenko, N. P. Fedash. Trudy Kom. anal. khim. 14:183-190 '63.

New method of preparing N-perfluoroalkyl-N-methyl carbamates. S. P. Motornyi. Zhur. ob. khim. 33 no. 10:3391-3392 O '63.

CARBANILIC ACID

Controlling wild oats with a water emulsion of carbine using various dispersion degrees P. N. Glazkov. Trudy kaz. NIIZR 7 577-579 '62.

CARBENES

Reactions of carbethoxycarbene with unsaturated organophosphorus compounds. A. N. Pudovik, R. D. Gareev. Zhur. ob. khim. 33 no. 10 3441-3442 O '63.

Reactions of diphenylmethylene and carbethoxycarbene with alkenylsilanes. I. A. D'iakonov and others. Zhur. ob. khim. 33 no. 10 3438-3439 O '63.

CARBIDES

Homogeneity concentration areas of the IV and V group transition metals with a NaCl structure. V. A. TSkhai, P. V. Gel'd. Fiz. met. i metalloved. 16 no. 3:495-496 S '63.

Preparation of lanthanum dicarbide by a vacuum-thermal method. G. N. Makarenko. Zhur. prikl. khim. 36 no. 8:1860-1862 Ag '63.

CARBOCYANINE CRYSTALS—MODELS

Model of the structure of 3, 3'-diethylthiocarbocyanine chloride as determined by the statistical method. L. G. Vorontsova, Z. V. Zvonkova, G. S. Zhdanov. Kristallografiia 8 no. 3:374-377 My-Je '63.

CARBOHYDRATE METABOLISM

Effect of cobalt supplements on the sugar content in the blood and the glycogen content in the liver of Romanov sheep in case of cobalt deficiency. M. I. Rambidi. Trudy VIZH 24:258-268 '62.

Effect of estrogens in the organism of ovariectomized animals on certain enzymes of carbohydrate metabolism [with summary in English]. L. M. Makarevych-Hal'perin, S. N. Ushenko. Ukr. biokhim. zhur. 34 no. 2:245-252 '62.

Effect of leaving grapevines uncovered in winter on the carbohydrate metabolism in grape shoots. B. L. Aftikian, S. A. Marutian, Zh. A. Petrosian. Izv. AN Arm. SSR, Biol. nauki 16 no. 7:11-16 Jl '63.

CARBOHYDRATES

New method of expanding the carbon chain of carbohydrates by means of Wittig reaction. Iu. A. Zhdanov, G. N. Dorofeenko, L. A. Uzlova. Zhur. ob. khim. 33 no. 10:3444-3445 O '63.

CARBOHYDRAZIDE

Interaction of perrhenates with diphenylcarbazide and diphenylcarbazone [with summary in English]. D. I. Ryabchikov, I. V. Borisova. Zhur. anal. khim. 18 no. 7:851-855 Jl '63.

Synthesis and study of derivatives of phenylthiocarbohydrazide-carbothiophenylamide. Part 2. Reaction of derivatives of phenylthiocarbazide-carbothiophenylamide with methylating agents and alkali. R. G. Dubenko, P. S. Pel'kis. Zhur. ob. khim. 33 no. 8:2682-2687 Ag '63.

CARBON

Carbon solubility in liquid iron in the presence of phosphorus. B. P. Burylev. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:11-15 '63.

Physiology of nutrition of the cultivated mushroom Agaricus bisporus Lange. Report No. 1: Carbon nutrition. L. V. Garibova. Nauch. dokl. vys. shkoly, biol. nauki no. 4:137-140 '63.

CARBON BLACK

Effect of carbon black on the wear resistance of vulcanizates. K. A. Pechkovskaia and others. Kauch. i rez. 22 no. 10:28-32 O '63.

Kinetics of the formation of carbon black during the turbulent burning of liquid hydrocarbons. V. F. Surovikin. Kauch. i rez. 22 no. 9:34-37 S '63.

Problem of the formation of acetylene and carbon black. A. D. Kokurin. Zhur. prikl. khim. 36 no. 8:1782-1784 Ag '63.

CARBON DIOXIDE

Investigation of high-temperature reduction of carbon dioxide in a pulverized coke flow [with summary in English]. L. S. Revzin, L. N. Khitrin. Inzh.-fiz. zhur. 6 no. 10:78-82 O '63.

Origin of carbon dioxide in Lower Cretaceous gas pools of western Ciscaucasia. V. N. Kortsenshtein. Dokl. AN SSSR 152 no. 2:434-437 S '63.

Production of pure carbon dioxide for welding purposes. T. F. Pimenova. Khol. tekh. 40 no. 5:39-42 S-O '63.

CARBON DIOXIDE—TRANSPORTATION

Improvement in the technique of washing containers for carbon dioxide. E. A. Bel'kova. Gidroliz i lesokhim. prom. 14 no. 8:23 '61.

CARBON DISULFIDE—PHYSIOLOGICAL EFFECT

Study of the state of the skin in workers of the Ryazan Artificial Fiber Plant. N. S. Potekaev, L. P. Mikolaeva. Vest. derm. i ven. 36 no. 10:29-31 O '62.

CARBON ISOTOPES

Determination of the C^{14} concentration by the method of trace calculation. N. D. Perumova, L. E. Pakulina. Dokl. AN SSSR 152 no. 2:461-463 S '63.

Use of water-acetone solutions of potassium bicarbonate for separating carbon isotopes. Part 2. I. A. Semiokhin, L. K. Lykova, A. G. Serenkova. Vest. Mosk. un. Ser. 2 Khim. 18 no. 5:29-31 S-O '63.

CARBON ISOTOPES—PHYSIOLOGICAL EFFECT

Absorption and liberation of radiocarbon (C^{14}) by fishes. G. V. Fedorova. Nauch. dokl. vys. shkoly, biol. nauki no. 1:84-89 '63.

CARBON MONOXIDE

Synthesis of derivatives of carboxylic acids from carbon monoxide, olefins, and acylable compounds. Part 11. Effect of the pressure of carbon monoxide on the course of the reaction of carbomethoxylation of isobutylene and isobutyl alcohol. [A. T. Eldus, T. A. Kaal. Zhur. ob. khim. 33 no. 10:3283-3290 O '63.

CARBON MONOXIDE—PHYSIOLOGICAL EFFECT

Experimental data on the combined effect of CO and SO_2 on the body. Iu. D. Prokhorov. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9:77-81 '61.

CARBON MONOXIDE—TOXICOLOGY

Changes in the cochlear and vestibular functions in acute carbon monoxide poisoning. P. S. Kublanova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9:82-84 '61.

CARBONATES

(see also subdivision under Kursk Magnetic Anomaly, White Russia)

Characteristics of carbonate concretions in upper Visean deposits of the western regions of the Donets Basin. M. T. Kucherenko, A. V. Sokol'skaia. Dop. AN URSR no. 12:1614-1617 '61.

Standard X-ray diagrams of the individual carbonates of the calcite and dolomite group. B. G. Ekenburg. Rent. min. syr. no. 2:94-101 '62.

CARBONIZATION

Investigating processes of carbonization and hardening of fluxed ore-fuel granules. P. I. Kanavets, O. V. Verbitskaia. Trudy IGI 22:35-38 '63.

CARBONYL COMPOUNDS

β-Hydroxy- and β-halocarbonyl compounds. Part 3: Preparation and study of some β-halocarbonyl compounds, analogs of neopentyl bromide. T. I. Temnikova, N. A. Oshueva. Zhur. ob. khim. 33 no. 8:2464-2468 Ag '63.

Condensation of pentaerythritol with carbonyl compounds in the presence of the KU-2 cation exchanger. T. N. Shakhtakhtinskii, L. V. Andreev. Dokl. AN Azerb. SSR 18 no. 12:17-22 '62.

Industrial synthesis of carbonyl monomers based on Mannich reaction. Part 3: Study of the kinetics of some industrial syntheses. M. I. Farberov, G. S. Mironov. Kin. i kat. 4 no. 4:526-534 Jl-Ag '63.

Interaction of α-oxybromides with Na derivatives of β-dicarbonyl compounds. T. I. Temnikova and others. Zhur. ob. khim. 33 no. 10:3436-3437 O '63.

CARBOXYHEMOGLOBIN

Determination of carboxyhemoglobin in dry blood spots, abstract. F. F. Skvortsov. Kaz. med. zhur. no. 1:118-119 Ja-F '61.

CARBURETORS

The K-75 carburetor in the S-4 combine. A. Leshchov. Tekh. v sel'khoz. 23 no. 6:93 Je '63.

CARCINOGENS

Chemical admixtures in food and the danger of cancer. R. Truhaut. Priroda 52 no. 9:32-35 '63.

CARDBOARD see Paperboard

CARDIAC GLYCOSIDES

Effect of cardiac glycosides on the summation capacity of the nervous system. E. E. Belen'kii. Sbor. nauch. trud. TSANII 3:161-166 '62.

Modification of the method of biological evaluation of cardiac agents on cats. N. G. Poliakov. Sbor. nauch. trud. TSANII 3:143-145 '62.

Seasonal susceptibility of grass and lake frogs to cardiac glycosides. T. IA. Cherikovskaia. Sbor. nauch. trud. TSANII 3:146-157 '62.

CARDING MACHINES

Studying the expediency of the installation of two doffer comb pairs under the taking-in roll of a small carding machine. R. M. Kiselev. Izv. vys. ucheb. zav. Itekh. tekst. prom. no. 4:68-74 '63.

CARDIOTRAST

Effect of diethanolamine-3, 5-diiodo-4-pyridone-N-acetic acid (diodone) on the growth of experimental cancer in rabbits. V. I. Ivanov, K. A. Pavlov. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:71-73 '61.

CARDIOVASCULAR AGENTS

Study of the biological activity of some cardiovascular preparations on narcoticized animals and those not narcoticized. N. G. Poliakov. Sbor. nauch. trud. TSANII 3:135-142 '62.

CARDIOVASCULAR RESEARCH

Method of implanting electrodes in the area of the aortal arch for the purpose of stimulating its reflexogenic zones under chronic experimental conditions. IU. M. Torgopov. Trudy mol. nauch. sotr. MONIKI no. 1:225-228 '59.

Universal mirror oscillograph for recording arterial pressure, the pulse, the plethysmogram and ballistocardiogram. G. O. Magakian. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:22-23 '61.

CARDIOVASCULAR SYSTEM

Clinical and hematologic indicators of strangles in horses. L. V. Ovtsyn. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:177-183 '61.

Examination of the cardiovascular system in workers using progressive anoxemia as an indicator. A. G. Genkin. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9:59-62 '61.

Reaction of the cardiovascular system in patients with chronic gynecological diseases to the action of the balneological factors of the Sergiyevskie Mineral'nyye Vody Health Resort. G. P. Kravchenko, A. V. Lavrina. Vop. kur., fizioter. i lech. fiz. kult. 27 no. 1:316-319 Jl-Ag '62.

Studying the state of blood circulation organs and the blood picture in Bestuzhev cows following first calving. M. A. Davydycheva. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:139-146 '61.

CARDIOVASCULAR SYSTEM—DISEASES

Ballistocardiography as a method of early detection of cardiovascular diseases. V. V. Parin, R. M. Baevskii. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 8-10 '61.

Effect of an inductotherm on the state of the cardiovascular system in hypertension. G. K. Martchian. Vop. kur., fizioter. i lech. fiz. kult. 27 no. 4:320-325 Jl-Ag '62.

Fundamental principles and new methods for the use of galvanic current and electrophoresis in compound treatment of cardiovascular diseases. N. A. Vinogradov, N. A. Koplun. Vop. kur., fizioter. i lech. fiz. kult. 27 no. 4:289-296 Jl-Ag '62.

Study of cardiovascular diseases by the contingents of patients. V. A. Nesterov. Zdrav. Ros. Federa. 7 no. 11:23-26 N '63.

Use of physiotherapy in some cardiovascular diseases. V. I. Gol'dblat. Vop. kur., fizioter. i lech. fiz. kult. 27 no. 4:356-357 Jl-Ag '62.

CARENE

Interaction of Δ^3-carene oxide with methyl alcohol in the presence of sodium methylate. Z. G. Isaeva, I. S. Andreeva. Dokl. AN SSSR 152 no. 2:342-345 S '63.

CARGO HANDLING

(see also subdivision under Odessa; Riga)

Conference on utilizing the industrial capacity of sea harbors and making apparent their hidden potentialities. Mor. flot 23 no. 8:14-15 Ag '63.

The planning of sea harbor operations should meet modern objectives. V. Zinin, A. Paper, I. Chepulkalin. Mor. flot 23 no. 9:14-16 S '63.

Pneumatic floating loader and unloader. N. I. Korotenko. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 12:48-51 '62.

CARGO HANDLING—EQUIPMENT AND SUPPLIES

Fully mechanized loading and unloading of cargoes. Mor. flot 23 no. 8:46 Ag '63.

CARIBE (FISH)

The world is great, the world is interesting: Piranha S. Sakharnov. IUn. nat. no. 2:25 F '63.

CAROTID ARTERY—DISEASES

Morphological changes in the brain in various localizations of the thrombus in the internal carotid artery. A. N. Koltover, I. G. Liudkovskaia, I. V. Gannushkina. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 56-58 '61.

Thrombosis of the extracranial and intracranial sections of the internal carotid artery. F. V. Shmidt, D. N. Dzhiladze. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:54-55 '61.

CARP

(see also subdivision under Ukraine)

Characteristics of the embryonic development of progeny produced by parents of various ages. I. M. Antaimova. Dokl. TSKHA no. 69:167-170 '61.

Determination of the developmental state of gonads in common carp and crucian carp hybrids. V. H. Tomilenko. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14:108-109 '62.

Developing new methods for preparing feeds to increase the effectiveness of feeding carp. L. V. Erokhina. Dokl. TSKHA no. 69:107-202 '61.

Effect of the age of parent carp on the growth and development of their progeny. F. G. Martyshev. Dokl. TSKHA no. 69:159-165 '61.

Effect of the growing conditions of young-of-the year carp on their wintering. IU. V. Kudriashova. Dokl. TSKHA no. 69:183-192 '61.

Effect of the stocking density on the growth and development of carp. N. I. Maslova. Dokl. TSKHA no. 69:202-209 '61.

CARP (Continued)
Influence of breeding and reproduction on the quality of the carp [illegible] O I Fedorova. Nauch. trudy Ukr. nauch.-issl. in-ta rybn. khoz. 14:71-84 '62.
Influence of the concentration of the blood and rumen of carp in relation to their method of treatment. IU. D. Nechaev and O. I. Osadchaia. Nauch. trudy Ukr. nauch.-issl. inst. prud. i rybn. khoz. 14:129-131 '62.

CARP—DISEASES AND PESTS
(see also subdivision under Ukraine, Western)
Use of granulated feeds with hormonal preparation for the prophylaxis of the parasitic carp mass mortality. IU. D. Nechaev and O. I. Osadchaia. Nauch. trudy Ukr. nauch.-issl. inst. prud. i rybn. khoz. 14:140-142 '62.

CARP—PARASITES see Parasites—Carp

CARPATHIAN MOUNTAIN REGION—BEES
Distribution of the Caucasian and different local races of the Ukrainian part of the Carpathians. I. Z. Osychnyi. Trudy In-ta zool. AN URSR 17:107-117 '61.

CARPATHIAN MOUNTAIN REGION—CICADA
Ecological and faunistic review and the local distribution of cicadas (Homoptera, Auchenorrhyncha) in the Ukrainian part of the Carpathians. V. M. Lehvinenko. Pratsi In-tu zool. AN URSR 17:80-90 '61.

CARPATHIAN MOUNTAIN REGION—PLANT LICE
New species of the plant lice Arteriacosiphon galii sp. nov. (Homoptera, Aphidoidea) from the Ukrainian part of the Carpathians. V. O. Mamontova-Sulukba. Pratsi In-tu zool. AN URSR 17:89-70 '61.

CARPATHIAN MOUNTAIN REGION—SAWFLIES
Description of the male sawfl, Ferella migrita Westwood, 1911 (Hymenoptera, Tenthredinidae) from the juniper forests of the Ukrainian part of the Carpathians. V. M. Dolmatenko. Pratsi Inst. zool. AN URSR 17:94-95 '61.

CARPATHIAN MOUNTAINS—MAMMALS
Mammals of Stara Planina and the Ukrainian Carpathians. G. Markov, K. V. Tatarynov. Zbir. prats Zool. muz. AN URSR no. 32 43-49 '63.

CARPATHO-UKRAINE see Transcarpathia

CARPETS see Rugs and carpets

CARTILAGE
Electron microscope observations on the process of chondrogenesis during the regeneration of tubular bones [with summary in English]. L. N. Mkhailova. Izv. AN SSSR Ser. biol. 28 no. 5 763-767 S-O '63.

CARTILAGE—TRANSPLANTATION
Homoplastic transplantation of cartilage from the ear to the cornea. V. V. Voino-IAsenetskii. Uch. zap. UEIGB 5 73-83 '62.

CARYA see subdivision under Ukraine

CASE HARDENING
Quality of welding joints in low-alloy steels modified by natrides. V. S. Astaf'ev, E. V. Petunina. Svar. proizv. no. 10 3-6 O '63.

CASPIAN SEA—HYDROLOGY
The present-day state of the Caspian Sea level problem. N. G. Komarov. Vest. Mosk. un. Ser. 5, Geog. 18 no. 5 83-84 S-O '63.

CASPIAN SEA—INVERTEBRATES
Feeding habits and feeding relationships of bottom invertebrates in the northern part of the Caspian Sea. N. N. Romanova. Trudy Gidrobiol. ob-va 13 146-177 '63.

CASPIAN SEA—ISLANDS
New islands of the northern Caspian Sea. E. F. Belevich. Priroda 52 no. 9 95-96 '63.

CASPIAN SEA—MARINE FAUNA
Materials on the changes in the Caspian Sea fauna. G. A. Aligadzhiev. Okeanologiia 3 no. 5, 886-897 '63.

CASPIAN SEA—SEISMIC PROSPECTING
Additional possibilities of geological interpretation of seismic prospecting by the reflection method under deep-water conditions as exemplified in the southeastern Caspian Sea. S. P. Vartanov. Razved. i prom. geofiz. no. 42 19-28 '61.
Conducting seismic prospecting operations in the shoals of the northwestern part of the Caspian Sea. A. V. Riabov, A. T. IAkovlev. Geofiz. razved. no. 12 11-18 '63.

CASPIAN SEA—UNDERWATER PIPELINES
Undersea gas pipeline. P. Nizhegorodtsev. Neftianik 8 no. 6, 23 Je '63.

CASPIAN SEA REGION—FISH, CANNED
New varieties of canned food from small fish. N. V. Chemerenko. Ryb. khoz. 38 no. 11 79-81 '62.

CASPIAN SEA REGION—HISTORY—SOURCES
"Classified information on the Caspian Sea region and Eastern Europe, Gurgan and the Volga Valley in the ninth and tenth centuries" by B. N. Zakhoder. Reviewed by V. M. Belitis. Nar. Az. i Afr. no. 5 207-209 '63.

CASPIAN SEA REGION—WATER, UNDERGOUND—ANALYSIS
Chlorine, bromine, and iodine in the underground waters of some areas in Tajikistan and the northern Caspian Sea region [with summary in English]. E. V. Kozlova, V. S. Samarina. Vest. LGU 18 no. 18 28-35 '63.

CASSITERITE
New data on the geochemistry of accessory elements in cassiterite-sulfide ores. V. V. Ivanov. Trudy IMGRE no. 7:26-49 '61.

CASSITERITE—ANALYSIS
Methods of the chemical analysis of cassiterite. IU. Vesterova, G. V. Arapova. Trudy IGEM no. 81 23-35 '62.

CASSITERITE CRYSTALS—GROWTH
Crystallization of cassiterite (SnO_2) under hydrothermal conditions. I. P. Kuz'mina, B. N. Litvin. Kristallografiia 8 no. 3 478-480 My-Je '63.

CAST IRON
(see also subdivision under Novorossiysk)
Bessemer pig iron in the machinery industry. F. A. Mishukov, S. F. Fomin, A. I. Ustinov. Izv. vys. ucheb. zav., mashinostr. no. 7 174-181 '63.
Selecting cast-iron brands for the manufacture of machine-tool base parts. O. IU. Kotsiubinskii and others. Stan. i instr. 34 no. 10 18-21 O '63.
Using magnetic cast iron as soft magnetic material for casting cores of suspended electromagnetic separators. K. I. Vashchenko, V. F. Sumtsov, S. I. Stoianchenko. Izv. vys. ucheb. zav., mashinostr. no. 7 182-189 '63.

CAST IRON—BRITTLENESS
Nature of temper brittleness in ferritic magnesium cast iron. F. K. Tkachenko, E. G. Fomina. Izv. vys. ucheb. zav., chern. met. 6 no. 8 155-160 '63.

CAST IRON—METALLOGRAPHY
Austenitizing of gray cast iron. IA. N. Malinochka. Metalloved. i term. obr. met. no. 11 20-25 N '63.
Effect of gases on the structure and the graphitization of cast iron. V. P. Migal. Metalloved. i term. obr. met. no. 11 35-36 N '63.

CAST IRON—METALLURGY
Effect of the rate of cast iron cooling on the efficiency of inoculants. IU. N. Taran, A. V. Chernovol. Izv. vys. ucheb. zav., chern. met. 6 no. 8 181-184 '63.
Efficiency in the production of foundry iron by refining in the ladle. V. A. Minenko, P. G. Kuntlov. Met. i gornorud. prom. no. 4 67-69 Jl-Ag '63.
Investigating the reduction process of native-alloy cast iron. I. A. Kopylin, P. P. Vlasov, B. G. Plastinin. Stal' 23 no. 10 884-887 O '63.
Methods of desulfuration of cast iron. A. K. Zapol'skii. Met. i gornorud. prom. no. 4 11-13 Jl-Ag '63.
Modeling the process of cast iron modification on transparent crystals. A. P. Liubchenko, D. G. Sherman, I. A. Tananko. Fiz. met. i metalloved. 16 no. 3 378-384 S '63.
Preparation of manganese coke and its use in making converter cast iron. V. A. Sorokin, A. I. Ivanov, A. P. Rogach. Met. i gornorud. prom. no. 4, 32-33 Jl-Ag '63.

CAST IRON—STATISTICS
Cast iron production in capitalist countries (in millions of tons). Met. i gornorud. prom. no. 5 92 S-O '63.

CAST IRON—TESTING
Wear resistance of manganous cast irons under the effect of sliding friction of cast iron against cast iron without lubrication. V. B. Liadskii. Metalloved. i term. obr. met. no. 11:36-39 N '63.

CAST IRON, EFFECT OF RADIATION ON
Irradiation and heat treatment of chromous white cast iron. V. A. Shalashov. Metalloved. i term. obr. met. no. 11:31-34 N '63.

CAST STONE see Stone, Cast

CASTAGNINO, JUAN CARLOS, 1908-
Juan Castagnino. L. Guerrero. Iskusstvo 26 no. 6:51-54 '63.

CASTING, CONTINUOUS see Continuous casting

CASTRATION
Effect of different dates of castration on the growth and meat qualities of young cattle. D. A. Kochenov. Trudy VIZH 24:49-56 '62.

CATALOGING
More on the "Unified rules." B. Papendiki. Bibliotekar' no. 10 61-62 O '63.

Recataloging and classifying libraries. [illegible] practices of the Moscow University Library. Bibliotekar' no. 10 56-61 O '63.
Cataloging of documentary materials. M. I. A. Vop. arkh. 8 no. 2 79-85 Ap-Je '63.

CATALOGING OF PERIODICALS
Cataloging of periodical publications. O. I. Bibliotekar' no. 10 56-61 O '63.

CATALOGING OF TECHNICAL LITERATURE
Nemchenko, V. V., and N. IA. Sytina. [Cataloging special kinds of technical literature] Opisanie nekotorykh vidov tekhnicheskoi literatury, metodicheskie prakticheskoe posobie. Moskva, Izd-vo [illegible] palaty, 1963. 94 p.

CATALOGS, CARD
Modernizing traditional card catalogs by [illegible] photocopying. S. A. Lipkin, G. G. Vorobiev, [illegible] golev. NTI no. 7 9-11 '63.

CATALYSIS
Analytical separation of a mixture of [illegible] in the catalytic oxidation of naphthalene. [illegible] skaia, G. I. Golodets, P. B. Rzaev. Ukr. khim. zhur. 29 no. 8, 827-828 '63.
Catalytic method for preparing [illegible] octane. F. A. Shokova, S. I. Khromov, [illegible] Neftekhimiia 1 no. 3, 353-356 My-Je '61.
Catalytic synthesis of aldehydes and ketones. [illegible] Synthesis of methyl ethyl, methyl propyl, [illegible] ketones. L. P. IAkovlev, Zhur. prik. khim. 36 no. 9, 2045 Ag '63.
Catalytic synthesis of γ-ketocarboxylic esters by [illegible] method of conjugate hydrogenolysis. I. I. Petrenko, N. I. Shulkin, V. M. Shostakovskii. Dokl. AN [illegible] no. 4:862-864 O '63.
Determination of zirconium and hafnium [illegible] based on their catalytic action [with summary in English]. K. B. IAtsimirskii, I. P. Ratzium [illegible] khim. 18 no. 7 829-833 Jl '61.
Entropy of an active complex in the hydrogenation of ethylene on metals. G. I. Golodets. Kin. i kat. 4 no. 4:561-564 Jl-Ag '63.
Induction period in homogeneous catalytic [illegible] volving hydrogen peroxide. K. B. IAtsimirskii, [illegible] Morozova. Kin. i kat. 4 no. 4:571-580 Jl-Ag '63.
Influence of the conditions of zinc oxide preparation, [illegible] indium and gallium additions and without them on the catalytic properties in the reaction of isotopic exchange with oxygen isotopes. V. I. [illegible] Kasatkina. Kin. i kat. 4 no. 4:620-624 Jl-Ag '63.
Method of chemical catalysis for modifying [illegible] materials without sintering. P. I. Kuznetsov, [illegible] Trudy IGI 22:5-10 '63.
Use of Warburg's manometric method for determination of active hydrogen and catalytic [illegible] [with summary in English]. B. G. Belenkii, [illegible] shokova. Zhur. anal. khim. 18 no. 7 [illegible]
Vapor-phase catalytic conversions of acetylene. [illegible] Kinetics and the mechanism of vapor-phase [illegible] rination of acetylene over catalysts such as [illegible] Hg (II), Cd, Zn, Bi. A. I. Gel'bshtein, G. [illegible] va, A. A. Khomenko. Kin. i kat. 4 no. 4:625-[illegible] Ag '63.

CATALYSIS—CONGRESSES
Brief news. Khim. prom. no. 7, 71-73 Jl '63.

CATALYSTS
Catalytically active particles in the TiCl[illegible] system during the polymerization of ethylene. [illegible] radi, V. I. Tsvetkova, N. M. Chirkov. Dokl. AN [illegible] 152 no. 4:908-910 O '63.
Composition of high-molecular carbonyl [illegible] (ketones) obtained by the synthesis from CO [illegible] an iron-copper catalyst. Z. B. Rapoport, M. [illegible] Neftekhimiia 1 no. 3 392-396 My-Je '61.
Effect of the granulometric composition of a [illegible] its regeneration rate. S. V. Adel'son, A. IA. [illegible] Khim. i tekh. topl. i masel 8 no. 6:20-24 Je '63.
Hydrogenolysis and reciprocal transitions of [illegible] trans-1, 2-dimethylcyclopentanes in the presence of rhodium, osmium, iridium, and palladium catalysts. O. V. Bragin and others. Dokl. AN SSSR 151 [illegible] 866 O '63.
On the true and apparent activities of heterogeneous catalysts. A. P. Rudenko. Vest. Mosk. un. Ser. 2, Khim. 18 no. 5, 57-61 S-O '63.
Selectivity and stereospecificity in the processes of [illegible] genation of acetylenic hydrocarbons on metal catalysts. L. Kh. Freidlin, IU. IU. Kaup. Dokl. AN SSSR 151 [illegible] 1383-1386 O '63.
Studying the activity of catalysts on the basis of [illegible] pentadione compounds of titanium in the polymerization of ethylene [with summary in English]. H. [illegible] ret, G. Shvindlerman. Izv. AN Est. SSR. Ser. fiz. i tekh. nauk 12 no. 3 295-300 '63.

CATALYSTS (Continued)

Thermocatalytic conversions of hydrocarbons of a petroleum C_6-fraction on Al_2O_3-Pt catalyst. R. I. Izmailov and others. Neftekhimiia 1 no. 4:505-508 Jl-Ag '61.

Variations in the activity and composition of chromia-alumina catalysts during their regeneration. Kin. i kat. 4 no. 4 601-604 Jl-Ag '63.

CATAPLEITE see subdivision under Vishnevyye Mountains

CATARACT

Complete transplantation of the cornea with the scleral margin in coarse cicatricial staphylomas and ectatic cataracts. N. A. Puchkovskaia. Uch. zap. UEIGB 5:26-45 '62.

Late results of surgical intervention in lamellar cataracts. L. D. Pikalova. Uch. zap. UEIGB 5 181-184 '62.

Transplantation of the cornea in amblyopic eyes with cataracts in adult persons. V. P. Milovanova. Uch. zap. UEIGB 5.46-51 '62.

CATATONIA

Conversion of delirium tremens into catatonic stupor [with summary in English] F. F. Detengof. Trudy Gos. nauch.-issl. inst. psikh. 38 145-151 '63.

CATGUT SUTURES

"The thread of life." Kalash Tymbikova. Rab. i sial. 39 no. 7:16 Jl '63.

CATHEDRALS see subdivision under Novgorod

CATHODIC PROTECTION—COSTS

Let's revise current prices for insulation work and the laying of shells. N. M. Kuvichko, Stroi. truboprov. 8 no. 9.36-37 S '63.

CATHOLIC CHURCH

(see also subdivision under Congo (Leopoldville); Poland; Venezuela)

Birkle, A. IA. [Thoughts on Catholicism and the Orthodox Church] Razmyshlenila o katolitsizme i pravoslavii. Sao Paulo, 1962. 99 p.
(MH)

CATHOLIC CHURCH—GOVERNMENT

What the Vatican bells announce. I. Kichanova. Nauka i rel. 4 no. 8:46-48 Ag '63.

CATHOLIC CHURCH—RELATIONS (DIPLOMATIC)

Religion and church abroad. Nauka i rel. no. 2 49 F '62

CATHOLIC CHURCH—RELATIONS (DIPLOMATIC) WITH GERMANY

Historical truth and the "honor of the soutane." S. Gorskii. Nauka i rel. 4 no. 8:41-42 Ag '63.

CATHOLIC PRESS see Press, Catholic

CATIONS

Some remarks on V. A. Zharikov, T. N. Diuzhikova, E. M. Maksakova's article "Experimental and theoretical studies of the flow effect. Report No 1 Different flow rates of cations and anions." IU. M. Chernobrezhskii Izv. AN SSSR, Ser. geol. 28 no. 10;99-102 O '63.

CATTLE

Preparation of immune serums for determining the group antigens in the blood of red and white cattle. I. Matoushek and others. Zhur. ob. biol. 24 no. 1.50-63 Ja-F '63.

CATTLE—ANATOMY

Characteristics of the histological structure of lymph nodes in young cattle and swine. G. G. Tiniakov, T. A. TSitunskaia. Dokl. TSKHA no. 69;345-347 '61.

Some age-related characteristics of the histological structure of generative organs in cattle. G. G. Tiniakova, G. A. IArygina, L. A. Liadova. Sbor. stud. rab. MTIMMP no. 7:54-59 '62.

Some problems in age-related topographic anatomy of internal organs in cattle. M. A. Ulanov. Sbor. stud. rab. MTIMMP no. 7.72-75 '62.

CATTLE—DISEASES AND PESTS

Some problems in the pathogenesis of reticuloperitonitis in cattle. A. F. Burlakov, S. I. Darkhovskii. Sbor. stud. rab. MTIMMP no. 7:70-72 '62.

CATTLE—FEEDING AND FEEDS
(see also subdivision under Ukraine)

Effect of cattle feeding with bagasse on the bone tissue. N. Kozhemiakin and others. Mias. ind. SSSR 34 no. 5, 47-48 '63.

Effect of sugar beets and carcorn on the secretory function of the abomasum and the motor activity of the rumen in cattle. E. T. Popov, A. S. Orlova, N. S. Sadikova. Sbor. stud. rab. MTIMMP no. 7:67-69 '62.

Intensive methods for fattening young cattle. A. Bormotov, A. Krekker, I. Lobkov. Ekon. sel'khoz. 31 no. 10:55-63 O '63.

More on the advantages of specialized cattle fattening. V. Efremenko. Mias. ind. SSSR 34 no. 5:31-32 '63.

CATTLE—PHYSIOLOGY

Indices of morphological composition of the blood in Bestuzhev cattle. A. T. Labzina. Trudy Ul'ian. sel'khoz. inst. 8 no. 2 33-39 '61.

Nitrogenous substances of the sperm and reproductive organs in bulls and cows. A. P. Sadokova. Trudy VIZH 24 303-311 '62.

CATTLE AS CARRIERS OF DISEASE

Cattle with paratyphoid fever as Salmonella carriers and the control of this phenomenon. I. S. Zahalevs'kyi. Visnyk sil'hosp. nauky 6 no. 4:115-117 Ap '63

CATTLE BREEDING

Joint Conference of the Academy of Sciences of the U. S. S. R., the All-Union Academy of Agricultural Sciences, and the Ministry of Agriculture of the U. S. S. R. on Biologically Active Preparations in Cattle Breeding. E. D. Mikhlin. Vest. AN SSSR 33 no. 10 109-113 O '63.

CAUCASIAN LANGUAGES—PHONETIC TRANSCRIPTIONS

Klimov, G. A. [Draft of a unified phonetic transcription for the Caucasian languages] O proekte edinoi foneticheskoi transkriptsii dlia kavkazskikh iazykov. Moskva Akad. nauk SSSR. 1962. 29 p.
(MIU)

CAUCASUS—ARCHAEOLOGY

Historic significance of the southern Caucasus in the third millenium B. C. K. Kh. Kushnareva, T. N. Chubinishvili. Sov. arkheol. 7 no. 3 10-24 '63

CAUCASUS—ATMOSPHERE

Vertical velocity of air motion over the Caucasus. S. U. Gunita. Trudy Tbil. NIGMI no. 10;117-120 '62.

CAUCASUS—BOOK SCORPIONS

A new subspecies of the pseudoscorpion(Tokocheirus panzeri caucasicus Kobachidze, ssp. n.) from the Caucasus. D. N. Kobakhidze. Soob. AN Gruz. SSR 30 no. 5 645-649 My '63.

CAUCASUS—BRACHIOPODA, FOSSIL

Stratigraphic distribution of Upper Jurassic brachiopods in the Lesser Caucasus (Azerbaijan). R. B. Askerov. Dokl. AN Azerb. SSR 18 no. 12 11-43 '62

CAUCASUS—GEOLOGY

A new fundamental work on the geology of the Caucasus. "Geological structure of the Caucasus" by E. E. Milanovskii, V. E. Khain. Reviewed by N. A. Gvozdetskii. Vest. Mosk. un. Ser. 5. Geog. 18 no. 5:87-88 S-O '63.

CAUCASUS—GEOLOGY, STRATIGRAPHIC

Middle Carboniferous continental sediments on the southern slope of the principal range of the Caucasus. A. A. Belov, L. F. Zaleeskaia-Chirkova. Dokl. AN SSSR 152 no. 4;927-930 O '63.

CAUCASUS—HISTORY

"Muridism in the Caucasus" by N. A. Smirnov. Reviewed by M. S. Totoev. Vop. ist. 38 no. 10 144-147 O '63.

CAUCASUS—MOUNTAINEERING

Sport of the brave celebrates its 40th anniversary. E. Dmitriev. Ogonek 41 no. 38.6-7 S '63.

CAUCASUS—ROBBER FLIES

Robber flies of the genus Antiphrisson Loew (Diptera, Asilidae) in the Caucasus. V. A. Rikhter. Dokl. AN Arm. SSR 37 no. 1;43-47 '63.

CAUCASUS—RUSSIAN SOCIAL DEMOCRATIC PARTY

Brief news. Vop. ist. KPSS 7 no. 10:157-158 O '63.

CAUCASUS, NORTHERN—COMMERCE

To scores of foreign countries. V. Kostenko. Vnesh. torg. 43 no. 10:45 '63.

CAUCASUS, NORTHERN—GAS, NATURAL—ANALYSIS

Origin of carbon dioxide in Lower Cretaceous gas pools of western Ciscaucasia. V. N. Kortsenshtein. Dokl. AN SSSR 152 no. 2;434-437 S '63.

CAUCASUS, NORTHERN—GAS, NATURAL—GEOLOGY

Nature of dislocations in the arched section of the Promyslovoye-Busginskaya zone and their effect on the distribution of oil and gas pools. L. A. Anisimov. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 1:13-18 '62.

CAUCASUS, NORTHERN—GEOLOGY

Stratigraphic position and structure of the Karashay series in the Northern Caucasus. I. V. Krut' and others. Izv. AN SSSR, Ser. geol. 28 no. 10;48-59 O '63.

CAUCASUS, NORTHERN—INDUSTRIES

To scores of foreign countries. V. Kostenko. Vnesh. torg. 43 no. 10:45 '63.

CAUCASUS, NORTHERN—OIL RESERVOIR ENGINEERING

Estimating the fracturing of Upper Cretaceous limestones of some oil fields of eastern Ciscaucasia. G. T. Movmyga, A. N. Reznikov. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 1:41-44 '62.

CAUCASUS, NORTHERN—PETROLEUM GEOLOGY

Nature of dislocations in the arched section of the Promyslovoye-Busginskaya zone and their effect on the distribution of oil and gas pools. L. A. Anisimov. Izv. vys. ucheb. zav., neft' i gaz 5 no. 1.13-18 '62.

CAUCASUS, NORTHERN—ROCKS, IGNEOUS

Age of igneous rocks in western Ciscaucasia. A. N. Shardanov, A. A. Shimanskii. Dokl. AN SSSR 152 no. 6;1441-1444 O '63.

CAUCASUS, NORTHERN—SOIL MOISTURE

Practice in the calculation on a rapid calculating machine the relationship between the yield of sunflower and the moistening conditions. IU. S. Mel'nik. Meteor. i gidrol. no. 11 25-28 N '63.

CAUCASUS, NORTHERN—SUNFLOWERS

Practice in the calculation on a rapid calculating machine the relationship between the yield of sunflower and the moistening conditions. IU. S. Mel'nik. Meteor. i gidrol. no. 11 25-28 N '63.

CAUCASUS, NORTHERN—WHEAT

Method for long-range forecasting of agrometeorological conditions governing the formation of the yield of winter wheat. E. S. Ulanova. Meteor. i gidrol. no. 11 12-20 N '63.

CAUSATION

Causation and information (with summary in English). I. N. Brodskii. Vest. LGU 18 no. 17.67-76 '63.

Conditions of synonymity of causal relationships. A. B. Reznikov. Vest. AN Kazakh. SSR 19 no. 9;49-57 S '63.

CAVITATION

Liquid flow with formation of closed cavitation hollows. A. E. Khoperskov. PMTF no. 5.54-61 S-O '63.

CELESTITE see subdivision under Kislovodsk region

CELL NUCLEI

Functional principle in the evaluation of the relative significance of radiation injuries of the nucleus and cytoplasm; a genetic theory of radiation sickness [with summary in English]. B. L. Astaurov. Trudy MOIP. Otd. biol. 7.140-161 '63.

CELLS

Role of correlation between the physiological function and genetic apparatus of the cell in the appearance and involution of myocardiac hypertrophy. F. Z. Meerson, IU. M. Repin, V. P. Godin. Dokl. AN SSSR 152 no. 6 1483-1486 O '63.

CELLULAR PATHOLOGY see Pathology, Cellular

CELLULOSE
(see also subdivision under Ukraine)

Cellulose of bog plants. P. K. Mel', A. M. Gorshkova. Trudy IGI 21.114-158 '63.

Low substituted nitrates of wood celluloses. G. A. Petropavlovskii, M. M. Krunchak, G. G. Vasil'eva. Zhur. prikl. khim. 36 no. 8.1799-1808 Ag '63.

Problem of the polydispersion of some photochemically degraded celluloses. G. N. Rozmarin, Kr. Simionescu. Zhur. prikl. khim. 36 no. 8:1808 Ag '63.

Properties of films of low-substituted nitrates of wood cellulose. G. A. Petropavlovskii and others. Zhur. prikl. khim. 36 no. 8 1816-1821 Ag '63.

Water purification in cone hydrocyclones. IU. N. Boldyrev. Bum. prom. 38 no. 9;23-24 S '63.

CELTS

Relations between Celts and Scythians. I. Rosen-Przeworska. Sov. arkheol. 7 no. 3.57-78 '63.

CEMENT

Bunkerless loading of cement into lorries. N. I. Filippov. TSement 29 no. 5:19-20 S-O '63.

Extra-quick-hardening cement. IU. D. Kirillov, M. G. Kuninets. TSement 29 no. 5;15-16 S-O '63.

Instruments and devices for controlling the level of hopper loads. E. L. Kritskii, M. N. Minster. TSement 29 no. 4:4-5 Jl-Ag '63.

Investigating the properties of cement with the GKZh-94 waterproofing organosilicon liquid. V. V. Manzhurnet, A. A. Pashchenko, N. P. Tereshchenko. TSement 29 no. 4:13-14 Jl-Ag '63.

Rheology of aqueous cement suspensions. E. E. Kalmykova, N. V. Mikhailov. Dokl. AN SSSR 152 no. 2;389-391 S '63.

Structure formation in a cement paste and in solutions with additives. A. V. Satalkin, V. A. Solntseva. Zhur. prikl. khim. 36 no. 8:1641-1646 Ag '63.

CEMENT—COSTS

Methods of lowering the cost of cement. IU. D. Kirillov, N. IA. Pichkar'. TSement 29 no. 4:18-19 Jl-Ag '63.

CEMENT—TESTING

Chemical method of determining the activity of cement. V. A. Lashchenko. TSement 29 no. 5 11-13 S-O '63

CEMENT—TRANSPORTATION see subdivision under Kazakhstan

CEMENT CLINKERS—ANALYSIS

Photometric determination of magnesium in raw materials and clinkers. I. V. Bogdanova. Tsement 29 no. 4: 11-13 Jl-Ag '63.

CEMENT CLINKERS—TESTING

Effect of iron oxides in clinkers upon the strength of cement during steaming. T. V. Kuznetsova, K. L. Sobolieva. TSement 29 no. 5 14-15 S-O '63.

CEMENT INDUSTRIES

Automation as a decisive factor in technical progress. TSement 29 no. 4,1-2 Jl-Ag '63.

Expand the use of cement in the national economy. V. F. Semendiaev. TSement 29 no. 5 1-3 S-O '63.

Improve the studies and construction of dust collecting equipment. V. N. Uzhov. TSement 29 no. 4:5-7 Jl-Ag '63.

Information and brief news. TSement 29 no. 4:22-23 Jl-Ag '63.

Local cements from industrial wastes. K. A. Adamchik Sbor. nauch. rab. DVNIIS no. 1:257-273 '61

Mechanization of labor consuming processes. A. D. Tumanov. TSement 29 no. 4,18 Jl-Ag '63.

Pay more attention to the mechanization of auxiliary operations. S. M. Artiunov, S. I. Shenker, V. G. Shutov. TSement 29 no. 4,10-11 Jl-Ag '63.

Using wastes from other branches of industry. N. V. Grokhotov, V. A. Kropotov. TSement 29 no. 5 3-5 S-O '63.

Utilize the means of automation more effectively. M. P. Zubchenok. TSement 29 no. 4:3 Jl-Ag '63.

CEMENT INDUSTRIES—BIBLIOGRAPHY see Bibliography—Cement industries

CEMENT INDUSTRIES—EQUIPMENT AND SUPPLIES

Information. Brief news. TSement 29 no. 5 21-22 S-O '63.

Technical consultation. G. V. Fominykh. TSement 29 no. 5 21 S-O '63.

CEMENT INDUSTRIES—HYGIENIC ASPECTS see subdivision under Novorossiysk

CEMENT INDUSTRIES—PRODUCTION STANDARDS

Methods of raising the productivity of cement mills. V. I. Orlov. TSement 29 no. 5 20 S-O '63.

Planning the production and use of cement taking into account its quality. S. I. Il'in, V. I. Vezlomtsev. TSement 29 no. 5 5-7 S-O '63.

CEMENT INDUSTRIES—QUALITY CONTROL

Planning the production and use of cement taking into account its quality. S. I. Il'in, V. I. Vezlomtsev. TSement 29 no. 5 5-7 S-O '63.

Production of high-strength cement. A. S. Kizner. TSement 29 no. 4,16-17 Jl-Ag '63.

CEMENTATION (METALLURGY)

Automation and mechanization of the processes of the chemical heat treatment of steel parts. A. P. Voeikov. Avt. prom. 29 no. 8 34-36 Ag '63.

Interrelation of the extent of the surface, the potentials, and the activity of cementation powders. R. K. Drachevskaia. Izv. AN Kir. SSR Ser. est. tekh. nauk 5 no. 1 121-124 '63.

CEMENTITE

Determining the position of carbon in cementite by the neutron diffraction method. B. G. Liashchenko, L. M. Sorokin. Kristallografiia 8 no. 3 382-387 My-Je '63.

CENTRAL ASIA see Asia, Central

CENTRAL ASIA, SOVIET see Soviet Central Asia

CENTRIFUGATION

Differential centrifugation of plant cell structures with regard to their microelement content [with summary in English]. P. A. Vlasiuk and others. Izv. AN SSSR, Ser. biol. 28 no. 5 653-667 S-O '63.

CENTRIFUGES

Automatic rubberized centrifuges. B. L. Trakhtenberg. Khim. mashinostr. no. 3 41-42 My-Je '63.

CEPHEIDS

AQ Lyrae. IU. V. Fridel'. TSir. Astron. obser. L'viv. un. no. 39/40 73-77 '63.

BE Monocerotis. IA. T. Kapko. TSir. Astron. obser. L'viv. un. no. 39/40:54-59 '63.

CERAMIC MATERIALS

High-speed method of kilning ceramic materials. A. V. Lifshits. Stroi. mat. 9 no. 7, 37-39 Jl '63.

Porous-slotted ceramic bricks and products made from them. L. F. Petrov, S. M. Itskovich, M. I. Shubin. Stroi. mat. 9 no. 7 9-11 Jl '63.

Simultaneous precipitation of several components for obtaining ceramic coatings by electrophoresis. A. I. Avgustinik and others. Zhur. prikl. khim. 36 no. 8 1649-1650 Ag '63.

Study of the process of aging in high-voltage ceramic materials. G. N. Maslennikova, N. K. Krasnogolovyi, A. F. Buchenkova. Stek. i ker. 20 no. 8 26-28 Ag '63.

CERAMIC MATERIALS—ELECTRIC PROPERTIES

High voltage ceramic materials with increased electromechanical properties. G. N. Maslennikova, A. F. Buchenkova. Zhur. prikl. khim. 36 no. 8:1654-1659 Ag '63.

CERAMIC MATERIALS, EFFECT OF RADIATION ON

Changes in ceramic materials under radiation. V. M. Belousov. Stek. i ker. 20 no. 8 40-44 Ag '63.

CEREBELLUM

Effect of the stimulation of the reticular formation on the response activity of the cerebellum. S. P. Narikashvili, E. S. Moniava. Soob. AN Gruz. SSR 30 no. 5 651-656 My '63.

CEREBRAL CORTEX

Evoked potentials and mechanisms of discrimination of an external signal [with summary in English]. G. V. Gershuni. Zhur. vys. nerv. deiat. 13 no. 5 882-890 S-O '63.

Functional evolution of the nonspecific thalamo-cortical system [with summary in English]. A. I. Karamian, M. G. Belekhova. Zhur. vys. nerv. deiat. 13 no. 5 904-916 S-O '63.

Nature of cortical inhibition [with summary in English]. A. I. Roitbak. Zhur. vys. nerv. deiat. 13 no. 5 859-869 S-O '63.

Neural substratum of epileptiform audiogenic reactions in rats. B. I. Kotliar. Nauch. dokl. vys. shkoly, biol. nauki no. 4 62-68 '63.

Neuron structure of the cortical termination of the auditory analyser in lower monkeys [with summary in French]. N. S. Popova. Zhur. nevr. i psikh. 62 no. 12:1777-1783 '62.

Posterior limbic cortex and interoceptive reflexes from the stomach and the intestines. A. N. Sovetov. Dokl. AN SSSR 152 no. 4:1012-1013 O '63.

CEREBRAL CORTEX—INNERVATION

Synaptology of the cerebral cortex of monkeys; electron microscopic study. L. N. D'iachkova. Dokl. AN SSSR 152 no. 4:989-991 O '63.

CEREBROSPINAL FLUID

Penetration of radioactive phosphorus isotope into the cerebrospinal fluid in case of introduction through the mucosa of the nose in patients with schizophrenia and other mental diseases [with summary in French]. M. IA. Maizelis. Zhur. nevr. i psikh. 62 no. 12:1863-1867 '62.

Some biochemical changes in the cerebrospinal fluid under the influence of craniocerebral trauma. M. F. TSulaia, A. D. Gagulashvili, V. R. Maisaia. Soob. AN Gruz. SSR 30 no. 5:579-582 My '63.

CEREBROVASCULAR DISEASE

"Acute disorders in the cerebral blood circulation"; "Trudy" of the Institute of Neurology of the Academy of Medical Sciences of the U. S. S. R., No. 1. Reviewed by S. A. Mel'nikov, D. R. Shtul'man. Zhur. nevr. i psikh. 63 no. 12:1886-1888 '62.

"Angiography in the diagnosis of tumors and vascular diseases of the brain" by M. D. Gal'perin. E. A. Terpugov. Zhur. nevr. i psikh. 63 no. 2 308-309 '63.

Anosov, N. N. and B. S. Vilenskii. [Ischemic insultus; thrombosis of the cerebral vessels] Ishemicheskii insul't, tromboz sosudov golovnogo mozga. Leningrad, Medgiz, 1963. 286 p. (DNLM)

Changes in the cerebral vessels in decreased blood circulation and the possibility of a reverse development of these changes. I. V. Gannushkina. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:58-59 '61.

Chronoximetric analysis of cortical neurodynamics in cerebral hemiparesis of vascular origin [with summary in French]. U. Sh. Akhmerov. Zhur. nevr. i psikh. 62 no. 12:1793-1798 '62.

Disturbance of cerebral circulation due to infarction of the myocardium (cerebrocardiac syndrome). Kh. I. Erusalimchik. Kaz. med. zhur. no. 1:16-20 Ja-F '61.

Effect of relapses in alcoholism on the vascular system following antabuse therapy [with summary in English]. G. M. Entin. Trudy Gos. nauch.-issl. inst. psikh. '38: 122-129 '63.

Pathology of the connections of the motor analyser in the vascular foci of the brain [with summary in French]. T. S. Matveeva. Zhur. nevr. i psikh. 62 no. 12:1769-1776 '62.

Role of lesions of the extracranial section of the vertebral arteries in cerebrovascular pathology. N. V. Vereshchagin. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 55-56 '61.

Some peculiarities of the change [illegible] voluntary movements in the focal [illegible] togenic process in the brain stem. [illegible] Soob. AN Gruz. SSR 30 no. 5 [illegible]

CEREBRUM—SURGERY

Some biochemical displacements in the [illegible] endocrine organs occurring during [illegible] cerebrum. S. K. Karaptian, M. [illegible] Arm. SSR 16 no. 4, 237-242 '63.

CERESIN

Important source for the increase of the [illegible] ceresin and paraffin. R. A. Abdullin. [illegible] topl. i masel. 8 no. 10 31-37 O '63.

CERVANTES, SAAVEDRA MIGUEL DE, 1547-1616

Uzin, V. S. [Social questions in the dramas of [illegible] and Lope de Vega] Obshchestvennaia problematika dramaturgii Servantesa i Lope de Vega. Moskva, Shkola shkola," 1963. 93 p. (V pomoshch' filologu)

CESAREAN SECTION

Cesarean section in cows. B. M. Sa[illegible] rab. MTIMMP no. 7:65-66 '62.

CESIUM

Secondary emission of excited cesium atoms [illegible] bardment of molybdenum by positive [illegible] Veksler. Fiz. tver. tela 5 no. 10:[illegible]

CESIUM IN THE BODY

Degree of contamination and the character of the distribution of radioactive cesium in the [illegible] and domestic animals under natural conditions [illegible] Shakhidzhanian. Radiobiologiia 3 no. [illegible]

CESIUM ISOTOPES—PHYSIOLOGICAL EFFECT

Case of radiation sickness caused by radioactive [illegible] L. I. Giller. Med. rad. 8 no. 2:21-[illegible]

CESIUM ISOTOPES—THERAPEUTIC USE

Control of the Cs[137] preparation in the [illegible] GUTR-Cs-400 [with summary in English] [illegible] Vainberg, N. V. Vershinin. Med. rad. [illegible] 7 '63.

CEYLON—ART INDUSTRIES

Art of Ceylon. Z. Matiushina. Dekorativ[illegible] '63.

CEYLON—DESCRIPTION AND TRAVEL

At the crossroads of Asia. Volodymyr [illegible] no. 19:16-17 O '62.

CEYLON—ECONOMIC ASSISTANCE, RUSSIAN

Address, "Jewel island." I. Naidich. [illegible] 53 '63.

CEYLON—FOREIGN ECONOMIC RELATIONS

Ceylon on the way to progress. D. Vol'[illegible] 21 no. 43 8-9 O '63.

CEYLON—GOVERNMENT OWNERSHIP

Ceylon on the way to progress. D. Vol'[illegible] 21 no. 43 8-9 O '63.

CEYLON—POLITICS AND GOVERNMENT

At the crossroads of Asia. Volodymyr [illegible] no. 19, 16-17 O '62.

CHAINS

Numerical method and Fourier's series in [illegible] the analysis of Assur chains with rotat[illegible] Anilovich, IU. V. Epshtein, T. [illegible] 93:48-60 '62.

Profiling the sprocket tooth of a chain transm[illegible] the involute. R. V. Beschastnov. Izv. vys. [illegible] mashinostr. no. 6:27-36 '63.

CHALCONE

Basicity and structure of α,β-unsaturated [illegible] ketones. Part 1: Basicity of the thiophe[illegible] chalcone. S. V. TSukerman and others. [illegible] 33 no. 10:3180-3186 O '63.

Spectra and halochromism of nitromethoxy [illegible] derivatives of the thiophene analogs of chal[illegible] Nikitchenko, S. V. TSukerman, V. F. [illegible] ob. khim. 33 no. 8, 2503-2508 Ag '63.

CHALCOPYRITE

Natural cubic chalcopyrite. I. A. Budko, [illegible] Dokl. AN SSSR 152 no. 2:400-410 S '63.

CHARDZHOU—FERTILIZER INDUSTRY

At the frontier of heavy industry. T. Davra[illegible] profsoiuzy 19 no. 20:7 O '63.

CHAROPHYTA, FOSSIL

Maslov, V. P. [Introduction to the study of fossil [illegible] phytes] Vvedenie v izuchenie iskopaemykh [illegible] vodorosli. Moskva, Izd-vo Akad. nauk SSSR, [illegible] 103 p. (Akademiia nauk SSSR. Geologicheskii [illegible] Trudy, no. 82)

CHAVCHAVADZE, ALEKSANDR GARSEVANOVICH, 1787?-1846

Aleksandr Chavchavadze and French literature [in Georgian with summary in Russian]. D Panchulidze. Trudy Tbil.GU 101 123-137 '62.

CHECHEN LITERATURE—CONGRESSES

Konferentsiia pisatelei Checheno-Ingushetii, 2d, Groznyi, 1961. [Abridged verbatim report of the Second Conference of Chechen-Ingush Writers] Sokrashchennyi stenograficheskii otchet. [Groznyi] Checheno-Ingushskoe knizhnoe izd-vo, 1961. 106 p (MH)

CHECKERS

On 100 squares. I. Kuperman, IU. Barab'kyi. Ukraina no. 21 27 N '61.

CHEESE

Changes in vitamin C content occurring during the processing and aging of cheese. S S Bogatikova. Sbor. stud. rab. MTIMMP no. 7 31-33 '62

CHEESE—MICROBIOLOGY

Dutch cheese as a possible source of food poisoning of a staphylococcal nature. V A Zvereva, T N Belianeva Uch. zap. Mosk. nauch. -issl inst san. i gig no. 4;53-56 '60.

Structure of calcium deposits in cheese and other characteristics of their morphology. V. G. Tiniakov. Sbor. stud. rab. MTIMMP no. 7:25-28 '62.

Survival of intestinal microbes and staphylococci in cottage cheese kept in refrigerators for long periods at sub-zero temperatures. V. A Zvereva. Uch zap. Mosk. nauch. -issl. inst. san i gig. no 4;57-59 '60

CHEKHOV, ANTON PAVLOVICH, 1860-1904

Are "Chekhov's Complete Works" really complete? A newly found text. L. M. Fridkes. Knigа;issl. i mat. 8:103-109 '63.

Chekhov's tale "Steppe" as appraised by Russian critics and writers. I. S. Grinberg. Uch. zap. Tash. teatr. -khud. inst. no. 5,219-269 '62.

CHELYABINSK—CLOTHING INDUSTRY

Sewers of Chelyabinsk. G. Abramovich, I. IUchenkov. Sov. torg. 36 no. 8:29-31 Ag '63.

CHELYABINSK PROVINCE—MEDICINE, RURAL

Life dictates. V. Briukhanov. Okhr. truda i sots. strakh. 6 no. 11 18-20 N '63.

CHELYABINSK PROVINCE—RURAL LIBRARIES

For public libraries. M Marchenko. Bibliotekar' no. 9 43-44 S '63.

CHEMICAL APPARATUS

Mechanization of the process of homogeneous lead plating of steel chemical equipment. D. G. Nikitin, V. IU. IUshchenko. Biul. tekh. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekh. inform. 16 no. 11 21-23 '63.

Methods for the optimal design of the coil of a pyrolysis furnace. E. A. Feigin and others. Khim. prom. no. 7: 519-526 Jl '63.

New methods of the lead plating of chemical apparatus. L. M. Vainer, V. V. Belov. Khim. mashinostr. no. 3:35-36 My-Je '63.

CHEMICAL BONDS

Approximations in M F Ma motenko's formula for the energy of formation of bonds in a molecule adequately described by a single valence scheme. V M. Tatevskii, V. I. Berdnikov. Vest. Mosk un. Ser. 2: Khim. 18 no. 5. 17-21 S-O '63.

Electronic structure and properties of cumulated systems. Part 2: Elasticity and energy spectrum of inorganic cumulenes. E. M. Shustorovich. Zhur. strukt. khim. 4 no. 5;773-775 S-O '63.

Interpretation of the resonance absorption of γ-quanta by some complex iron compounds with allowance for the covalence of bonds and induction effects. A. V. Ablov, L. B. Bersuker, V. I. Gol'danskii. Dokl. AN SSSR 152 no. 6:1391-1394 O '63.

Rate of reaction between ethyllithium and alkyl chlorides as a function of C - Cl bond energy. F. S. D'iachkovskii, A. E. Shilov, L. I. El'terman. Kin. i kat. 4 no. 4: 644-647 Jl-Ag '63.

Shielding of Me-Me bonds in equiatomic transition metal oxides and carbides with a NaCl structure. V. A. Tsikhai, P. V. Gel'd. Fiz. met. i metalloved. 16 no. 3: 493-494 S '63.

CHEMICAL ELEMENTS

Physicists report. Irina Lunacharskaia, IAroslav Golovanov. Sov. Soiuz no. 8:46-47 '63.

CHEMICAL ENGINEERING see subdivision under Rostov-on-Don

CHEMICAL EQUATIONS

Some algebraic relations in chemistry. System of equations for the balance of hydrocarbon mixtures and its consequences. B. A. Smirnov. Neftekhimiia 1 no. 4:440-458 Jl-Ag '61.

CHEMICAL EQUILIBRIUM

Concerning a feature of RT diagrams. I. A. Ostrovskii Izv. AN SSSR, Ser. geol 28 no. 10:79-80 O '63.

Kinetic equilibrium concentrations of intermediate products in the oxidation reaction of cyclohexanol. E. T. Denisov, V. V. Kharitonov. Neftekhimiia 3 no. 4 558-564 Jl-Ag '63.

CHEMICAL INDUSTRIES

(see also subdivision under Germany, West, Raydan, Temirtau, Karaganda Province, Ukraine, United States, Uzbekistan)

Chemistry at the service of the building of socialism. V. Bibishev. Polit. samoobr. 7 no. 7:30-40 Jl '63

Exchange of experience. Neftianik 8 no 6:28-35 Je '63.

Frontline of Science. F. Ovcharenko. Nauka i zhyttia 12 no. 3:2-3 Mr '63.

The role of chemistry in raising labor productivity B. Izumov. Polit. samoobr. 7 no. 11:27-31 N '63.

CHEMICAL INDUSTRIES—FIRES AND FIRE PREVENTION see subdivision under Krasnodar

CHEMICAL INDUSTRIES—HYGIENIC ASPECTS

Early changes in the state of health of workers in the cumene process of phenol and acetone production. A M. Vinlov and others. Uch. zap. Mosk nauch. -issl inst. san i gig. no. 9:13-16 '61.

Principal problems of hygiene in the production of phenol and acetone by the cumene method. M. I. Fongaus Uch. zap. Mosk. nauch. -issl. inst. san. i gig. no. 9:5-12 '61.

CHEMICAL INDUSTRIES—MANAGEMENT see subdivision under Chirchik

CHEMICAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS see subdivision under Sverdlovsk

CHEMICAL LABORATORIES—EQUIPMENT AND SUPPLIES

Glasses stable in alkaline solutions for chemical laboratory articles. S. K. Dubrovo, A. I. Shnypkov. Zhur. prikl. khim. 36 no. 8:1633-1637 Ag '63.

CHEMICAL MACHINERY

Improvement of the quality of chemical equipment must be the primary objective of mechanical engineers. M. D. Mazo. Khim. mashinostr. no. 3:1-2 My-Je '63.

Investigating the finishing processes of friction pairs of end packings. D. G. Beletskii. Khim. mashinostr. no. 3,32-35 My-Je '63.

Let us equip our large-scale chemical industry with the first-class machinery. I. Salamatov. Kommunist 40 no. 17:87-93 N '63.

New machines, apparatus, and instruments. Khim. mashinostr. no. 3 45-47 My-Je '63.

Using special thread gauges in manufacturing zinc plated fastenings. M. P. Malakhov. Khim. mashinostr. no. 3 40-41 My-Je '63.

CHEMICAL MACHINERY—BIBLIOGRAPHY see Bibliography—Chemical machinery

CHEMICAL PLANTS—DESIGN AND CONSTRUCTION (see also subdivision under Kara-Kalpak A. S. S. R., White Russia)

Some problems in the design of plants for the chemical industry. V. A. Rygalov. Prom. stroi. 41 no. 9:38-41 S '63.

CHEMICAL PLANTS—HYGIENIC ASPECTS

Some problems of hygiene arising in the production of synthetic fatty acids and higher aliphatic alcohols IU. L. Egorov, A. A. Knaparov. Uch. zap. Mosk. nauch -issl. inst. san. i gig. no. 9:34-39 '61.

CHEMICAL REACTION, RATE OF

Experimental evidence for branching in involving molecular fluorine. G. A. K ors. Kin. i kat. 4 no. 4:653-654 Jl-

Induction period in homogeneous catalyt volving hydrogen peroxide. K. B. IAts Morozova. Kin. i kat. 4 no. 4.574-58

Kinetics of ammonia synthesis reaction from equilibrium. Part 2. M. I. Tem zov, E. N. Shapatina. Kin. i kat. 4 n Ag '63.

Kinetics of styrene dimerization in aqu acid. Part 2: Kinetic regularities and of styrene dimerization. K. S. Kazans S. G. Entelis. Kin. i kat. 4 no. 4:580-

On the temperature limit for the effect the rate of chemical transformations. K. P. Lavrovskii. Kin. i kat. 4 no. 4: '63.

Reaction of thiourea with α-bromobutyr Characteristics of the reaction taking centrations of initial substances. E. I others. Zhur. ob. khim. 33 no. 10:33

Reactions involving α-oxides. Part 3: I ondary reactions in the interaction bet oxide and acetic acid. N. N. Lebedev. Kin. i kat. 4 no. 4:581-586 Jl-Ag '6

Thermal effects of the reaction of methyl- and ethyl magnesium bromide with some ketones. A. V. Tsukerets, E. O. Paris, L. R. Ploom. Zhur. ob. khim. 33 no. 10 3124-3126 O '63.

CHEMICAL REACTORS

Determination of the heat fields in reactors by the method of electrothermal analogy. M. E. Aerov, N. I. Nikitina, I. M. Razumov. Khim. prom. no. 7:531-534 Jl '63.

CHEMICAL REDUCTION see Reduction, Chemical

CHEMICAL RESEARCH

Frontline of Science. F. Ovcharenko. Nauka i zhyttia 12 no. 3:2-3 Mr '63.

CHEMICAL STRUCTURE

Dependence of molecular refractions on the chemical structure of alkyl benzenes, the dimensions, and the numbers of substituents. V. E. Nikitenkov. Zhur. strukt khim. 4 no. 5;776-778 S-O '63

On the relative stability of isomers in $MX_{6-2}Y_2$ molecules. V. M. Volkov, A. A. Levin, M. E. Diatkina. Dokl. AN SSSR 152 no. 2:359-362 S '63.

CHEMICAL WARFARE

Chemical reconnaissance scouts. B. Fedorov. Voen. znan. 39 no. 10 10-11 O '63.

CHEMICAL WARFARE—SAFETY MEASURES

Cadets negotiate a contaminated sector. A. Vorob'ev. Voen. vest. 41 no. 11:68-70 N '61.

Self-help and mutual aid in contamination by toxic chemical agents. A. Vyshivkina. Voen. znan. 39 no. 10:21-23 O '63.

CHEMICAL WORKERS—DISEASES AND HYGIENE

Changes in the health of workers engaged in the production of synthetic fatty acids. A. M Vinlov and others. Uch. zap. Mosk. nauch. -issl. inst. san i gig. no. 9:50-54 '61.

Clinical aspects of occupational poisoning of thio rubber workers. A. S. Mel'kumova, I. S. Bylov, N. N. Pushkina. Uch. zap. Mosk. nauch. -issl. inst. san. i gig. no 9:90-94 '61.

Use of electroencephalography in arterial hypotension in workers of a chemical plant. V. S. Luk'ianov, P. I. Shpil'berg. Uch. zap. Mosk. nauch. -issl. inst. san. i gig. no. 9:95-104 '61.

CHEMISTRY

June Plenum of the Central Committee of the CPSU and the objectives of science. Zhur. ob. khim. 33 no. 8:1-11 Ag '63.

CHEMISTRY—BIBLIOGRAPHY see Bibliography—Chemistry

CHEMISTRY—HANDBOOKS, MANUALS, ETC.

Khomchenko, G. P. [Handbook on chemistry for students entering institutions of higher learning] Posobie po khimii dlia postupaiushchikh v vuzy. [Moskva] Izd-vo Mosk. univ., 1963. 279 p.

CHEMISTRY, ANALYTICAL

Complex diphenylguanidinium compounds of molybdenum with thioglycolic and thiomalic acids and their analytical application [with summary in English]. A. I. Busev, G. P. G. P. Rudzit. Zhur. anal. khim. 18 no. 7:840-850 Jl '63.

Complexons of certain metals with N, N, S-mercaptoethylaminotriacetic acid studied by the high-frequency titration method [with summary in English]. N. M Dintlova, B. I. Bikhman. Zhur anal. khim 18 no. 7 796-798 Jl '63.

Conference on Methods of Concentration of Elements in Analytic Chemistry. E. E. Rakovskii. Vest. AN SSSR

CHEMISTRY, ORGANIC—PROBLEMS, EXERCISES, ETC

Veselovskaia, T. K., and I. V. Machinskaia [Problems and exercises in organic chemistry] Zadachi i uprazhneniia po organicheskoi khimii. Pod red. V. N. Belova. [Petrozavodsk] Rosvuzizdat, 1963. 154 p.

CHEMISTRY, ORGANIC—SYNTHESIS

Low-temperature diene synthesis. I. A. Favorskaia, E. M. Avramen. Zhur. ob. khim. 33 no. 8:2793-2796 Ag '63.

Monoorganosilanes. Part 3. Synthesis based on monoorganosilanes. V. A. Prokhorova, V. O. Reikhsfel'd. Zhur. ob. khim. 33 no. 8:2617-2626 Ag '63.

CHEMISTRY, PHYSICAL AND THEORETICAL

Phase transition of the second kind in 2, 4, 6-trinitrophenol. B. N. Ugrov, G. B. Ravich, B. G. Krivoi. Dokl. Akad. nauk SSSR 152 no. 2:370-371 S '63.

CHEMISTRY, PHYSICAL AND THEORETICAL—LABORATORY MANUALS

Gorbachev, S. V., ed. [Laboratory work in physical chemistry] Praktikum po fizicheskoi khimii. [By] O. A. Baumistrova i dr. Moskva, Vysshaia shkola, 1963. 553 p.

CHEMISTRY, TECHNICAL—BIBLIOGRAPHY see Bibliography—Chemistry, Technical

CHEMISTRY, TECHNICAL—MISCELLANEA

It is interesting. Nauka i zhyttia 12 no. 3:48-49 Mr '63.

CHEMOTHERAPY

Late results of the treatment of tuberculous meningitis by a compound method in the Moldavian S.S.R. B. S. Kanonova and others. Zdravookhranenie 6 no. 3:49-51 My-Je '63.

CHEREMKHOVO BASIN—COAL WEATHERING

Grouping Cheremkhovo deposit coals by the degree of their oxidation. V. I. Khrisanfova, G. N. Soboleva. Trudy IGI 21:118-133 '63.

CHEREMNYKH, MIKHAIL MIKHAILOVICH, 1880-1962

An artist and atheist. Nauka i zhizn' 1 no. 8:81-84 Ag '63.

CHERENKOV RADIATION

Highly directional Cherenkov counter for relativistic particles. F. R. Arutiunian, L. V. Ananova, N. G. Grigorian. Izv. AN Arm.SSR. Ser. fiz.-mat. nauk 16 no. 5:119-123 '63.

CHERKASOV, NIKOLAI KONSTANTINOVICH, 1903-

"Most political actor." Isk. kino 33 no. 7:103-104 '63.

CHERKES, DANIL IAKOVLEVICH, 1899-

Kaplanova, S. G. Danil IAkovlevich Cherkes. Moskva, Sovetskii khudozhnik, 1962. 90 p. illus. plates (MH)

CHERNIGOV—TEXTILE FIBERS, SYNTHETIC

Panoramas of our life; photoreport. Sov. profsoiuzy 19 no. 20:8-9 O '63.

CHERNIGOV PROVINCE—ADMINISTRATIVE REMEDIES

Soviet public helps to control the examination of workers' complaints. S. Usatiuk. Rad. pravo no. 4:90-91 Jl-Ag '63.

CHERNOV, ANATOLII VASIL'EVICH

A party in honor of our historians and archivists. Ist. arkh. 8 no. 2, 236 Mr-Ap '62.

CHERNOVTSY—KNIT GOODS INDUSTRY—QUALITY CONTROL

Personal workers' technical control of the production in the Chernovtsy Knit Goods Factory No. 1. V. I. Dekhtiarova, K. P. Shkande. Leh. prom. no. 3:41-44 Jl-S '63.

CHERNOVTSY—SUGAR BEETS

Receiving and storage of sugar beets in the factories of the Chernovtsy Sugar Trust. E. V. Ostrovskii. Sakh. prom. 36 no. 9:46-47 S '62.

CHERNOVTSY—SUGAR MACHINERY—MAINTENANCE AND REPAIR

Organization of maintenance and repair in sugar factories. IA. A. Krivunets. Sakh. prom. 36 no. 9:10-12 S '62.

CHERNOZEM SOILS

(see also subdivision under Kuban Valley; Ukraine)

Effect of the vital activities of plants on soil processes in Chernozems. E. A. Afanas'eva. Soob. Lab. lesoved. AN SSSR no. 6:132-143 '62.

Participation of rhizosphere micro-organisms in the nutrition and development of agricultural plants grown in deep Chernozem soil. A. A. Obraztsova, M. B. Petrenko, M. S. Klishchevskaia. Trudy Inst. mikrobiol. no. 11:81-90 '61.

Rhizosphere microflora of woody plants growing in Chernozem soils of the dry steppe. E. V. Runov, M. G. Enikeeva. Trudy Inst. mikrobiol. no. 11:150-161 '61.

CHERNYAKHOVSK—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Determine the aim of the lessons clearly. S. Zarechin. Polit. samoobr. 7 no. 9:105-106 S '63.

CHERNYSHEVSKII, NIKOLAI GAVRILOVICH, 1828-1889

Chernyshevskii, Antonovich, and their "self-invited chroniclers," N. Sliaev. Oktiabr' 39 no. 12:188-195 D '62.

CHERNYSHEVSKII, NIKOLAI GAVRILOVICH, 1828-1889—MUSEUMS, RELICS, ETC

Activities of the residence-museum of N. G. Chernyshevskii in Saratov. N. M. Chernyshevskaia, B. I. Lazerson. Trudy NIIM 6:91-105 '61.

CHERRY

Morphogenesis of generative and vegetative buds in sweet cherry. N. P. Berezenko. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 40:210-256 '62.

CHERSKII, IVAN DEMENT'EVICH, 1845-1892

Semenov, A. I. Cherskii. Moskva, Molodaia gvardiia, 1962. 253 p. [Publ. under his full name A. Aldan-Semenov.] (MH)

CHESS

Chess. I. A. Kan. Voen. vest. 43 no. 7:127-128 Jl '63.

Chess. Sov. voin. 44 [i.e. 45] no. 16:18 Ag '63.

Chess. Sov. voin. 45 no. 21:48 N '63.

Chess. V. Liublinskii. Smena 40 no. 19:27 O '63.

Chess is on the agenda. A. Lilental'. Sov. profsoiuzy 19 no. 17:41-42 S '63.

CHESS PROBLEMS

Chess. Voen. vest. 41 no. 1:127-128 Ja '62.

Chess. Voen. vest. 41 no. 11:127 N '61.

CHEST—SURGERY

Indications for intrathoracic operations and ligation of the internal thoracic artery in coronary insufficiency. V. D. Ivanova, A. M. Tokareva. Kaz. med. zhur. no. 1:11-15 Ja-F '61.

CHICKEN-MITE

Nikochloran is a highly effective agent against the chicken-mite. D. S. Borzenkov, V. V. Sorokin. Veterinariia 37 no. 2:69-70 F '60.

CHILD STUDY

Development of a strong will in primary grade students during the process of work training. S. P. Bocharova. Rad. shk. 42 no. 10:73-79 O '63.

CHILD STUDY—CONGRESSES

Results of the Second Congress of the Psychological Association. O. I. Zhavoronko and others. Rad. shk. 42 no. 10:79-83 O '63.

CHILD WELFARE

From man to man. Zakhar Dvoinis. Sem'ia i shkola 16 no. 11:4-6 N '63.

Let everybody have a childhood. E. Pronina. Doshk. vosp. 36 no. 10:14-15 O '63.

CHILDREN

Children are our future. T. Dolzhin. Sovr. Mong. 8 no. 6:2-3 Jl [i.e. Je] '63.

CHILDREN—CARE AND HYGIENE

Hygienic evaluation of agricultural work for school children in the children's brigades of Stavropol' Province. M. A. Sharova, V. IA. Skliarov. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2:12-14 '59.

Physiological and hygienic evaluation of the labor system and some data showing the effectiveness of the stay of school children at Communist Youth camps of the city of Novosibirsk. D. I. Kaganovich. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2:15-18 '59.

Resolution. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2:81-82 '59.

Some hygienic problems in the planning of joint (nursery-kindergarten) children's institutions. E. T. Smirnova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2:66-68 '59.

CHILDREN—CARE AND HYGIENE—CONGRESSES

Third Republic Conference on the Hygiene of Children and Juveniles. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2:3-4 '59.

CHILDREN—DISEASES

Abstracts. Pediatriia 42 no. 5:77-89 My '63.

Change in some functions of the gastrointestinal tract in children's diseases. V. I. Chistiakova, T. N. Malinovskaia. Trudy mol. nauch. sotr. MONIKI no. 1:85-100 '59.

Characteristics of "minor" disease in a children's home caused by the Coxsackie B_1 virus [with summary in English]. G. F. Kolesnikov. Pediatriia 42 no. 5:27-33 My '63.

Diagnosis and treatment of vulvovaginitis in children. L. I. Zavershinskaia. Kaz. med. zhur. no. 1:46-47 Ja-F '61.

Diagnostic importance of the vascular formations of the skin (spider angiomas) in children. K. V. Kunavin. Trudy mol. nauch. sotr. MONIKI no. 1:133-135 '59.

Malignant renal tumors in children. L. G. Safina. Kaz. med. zhur. no. 1:39-42 Ja-F '61.

Morphology of cystoid pneumatosis in the lungs of children. L. M. Artamonova. Trudy mol. nauch. sotr. MONIKI no. 1:136-140 '59.

Pathogenesis of disorders in the physical development of children. T. G. Kotova, F. L. Leites. Trudy mol. nauch. sotr. MONIKI no. 1:101-106 '59.

Prof. Shcherbak's thermoregulating reflex in children with different diseases. K. V. Stepanova. Trudy mol. nauch. sotr. MONIKI no. 1:128-132 '59.

CHILDREN—GROWTH

Methods for working out norms of the physical development of children. S. M. Leviant. Prikl. mat. metody v biol. no. 2:225-229 '63.

Pathogenesis of disorders in the physical development of children. T. G. Kotova, F. L. Leites. Trudy mol. nauch. sotr. MONIKI no. 1:101-106 '59.

CHILDREN—LAW

Brief review of a booklet. Rad. pravo no. 4:145-146 Jl-Ag '63.

CHILDREN—MANAGEMENT

All-embracing power of training. G. Fradkin. Shkola no. 5:11-16 S-O '63.

Children are our younger comrades. B. Kraevskii. Sem'ia i shkola 16 no. 11:2-3 N '63.

Collective and individuality in the pedagogical system of A. S. Makarenko. F. I. Naumenko. Rad. shk. 42 no. 10:50 O '63.

Development of a careful attitude toward things and items. T. Ilyadynina. Doshk. vykh. 24 no. 10:24-25 O '63.

In a friendly and cooperative fashion. Z. Shabkht. Doshk. vosp. 36 no. 10:73-76 O '63.

Inculcating good behavior in children. O. Puzyk. Doshk. vykh. 24 no. 10:29-31 O '63.

Inculcating in children a careful attitude toward things. R. Manuilis. Doshk. vykh. 24 no. 10:19-21 O '63.

Let's train a citizen. P. Kovalchuk. Nar. obr. no. 10:68-70 O '63.

People and figures. V. Gan. Prof.-tekh. obr. 20 no. 9:9-12 S '63.

Planning of educational work. M. IAshchenko. Shkola int. no. 5:59-62 S-O '63.

Punishment is not omnipotent. D. P. Ulanov. Sem'ia i shkola 16 no. 10:17 O '63.

Thinking about past experiences.... A. Shurygina. Sem'ia i shkola 16 no. 10:8-9 O '63.

Training in self-reliance. P. Iniutin. Doshk. vosp. 36 no. 10:51-52 O '63.

We are bringing up people with deep convictions. A. Kondratenkov. Shkola-int. no. 5:4-7 S-O '63.

Where should we look for truth? M. Andrushchenko. Nar. obr. no. 10:48-52 '63.

Why children disobey? S. Kheifits. Doshk. vosp. 36 no. 10:47-51 O '63.

Why your children disobey your orders? L. S. Slavina. Rab. i sial. 39 no. 7:22-23 Jl '63.

CHILDREN—MORTALITY see subdivision under Moscow Province

CHILDREN—NUTRITION

(see also subdivision under Donetsk)

Canned food for children over 1.5 years old. F. V. Gulkhman, A. S. Shevchuk. Kons. i ov. prom. 18 no. 7:9-10 O '63.

Conditioned reflex vomiting in children. O. V. Il'ich. Trudy mol. nauch. sotr. MONIKI no. 1:91-94 '59.

Dorofeeva, A. I. [Rational nutrition of children] Ratsional'noe pitanie detei. Leningrad, Medgiz, 1961. 38 p. (Nauchno-populiarnaia meditsinskaia literatura) (DNLM)

Organization of nutrition for children in children's institutions. G. E. Plotnikova. Vop. pit. 22 no. 1:82-83 Ja-F '63.

Roentgenological changes in the bones during the treatment of rickets in children based on adequate feeding. E. A. Perkovich. Trudy mol. nauch. sotr. MONIKI no. 1:107-109 '59.

Twenty-four-hour energy expenditure of boarding school students in the performance of useful public services at Pioneer and Communist Youth League Camps [with summary in English]. V. V. Maksimov. Vop. pit. 22 no. 1:38-43 Ja-F '63.

CHILDREN AS ARTISTS

The present day in children's drawings. A. Valiter. Doshk. vosp. 36 no. 10:32-36 O '63.

CHILDREN IN AGRICULTURE

Hygienic evaluation of agricultural work for school children in the children's brigades of Stavropol' Province. M. A. Sharova, V. IA. Skliarov. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2:12-14 '59.

CHILDREN'S ACCIDENTS

Problems of pediatric traumatism in first aid practice. M. A. Sarkisov. Zdrav. Ros. Feder., 7 no. 10 26-28 O '63.

CHILDREN'S CLOTHING

In search of improvement. I. Samonina. Doshk. vosp., 25 no. 10 14-19 O '63.

Manufacture of children's pants from plaid fabrics without allowance for pattern matching when cutting. I. A. Kharitsh. Leh. prom., no. 4 10-11 Jl-S '63.

Some methods applied to the hygienic evaluation of children's footwear. V. V. Litvinenkova. Pch. i sp. Mosk. nauch.-issl. inst. san. i gig., no. 3 78-80 '59.

CHILDREN'S CLUBS

Children's technical station in a courtyard. S. Kuvshinov. Sem'ia i shkola, 18 no. 11 17-18 N '63.

Club of Young Inventors. A. Livanov. Nar. obr., no. 10 121-122 O '63.

CHILDREN'S FURNITURE

The DM 74-00 set of sectional children's furniture. Delo i prom., 12 no. 8 2 of cover Ag '63.

CHILDREN'S LITERATURE

(see also subdivision under: Communist Countries)

Library for youth. S. Morozova. Ilin. nat., no. 2, 31 F '63.

New books of the State Publishing House for Children's Literature. Nar. obr., no. 10 120-121 O '63.

New publications of the State Publishing House for Children's Literature. Sem'ia i shkola, 18 no. 10 37 O '63.

CHILDREN'S LITERATURE—BIBLIOGRAPHY see Bibliography—Children's literature

CHILDREN'S MUSEUMS see subdivision under: Parkhomovka (Kharkov Province)

CHILDREN'S PLAYS

Miraculous transformations of a school play. R. Petrushanskaia. Sem'ia i shkola, 18 no. 11 10-11 N '63.

Theater should serve the schools. V. Andrushkevich. Sovet. shk., no. 5 43-44 S-O '63.

CHILE—TRADE UNIONS

To victory through unity. M. Nikitin. Sov. profsoiuzy, 19 no. 20 36-37 O '63.

CHIMKENT—REVOLUTION, 1917-1921

At the call of the Bolsheviks. Rakhim Takabaev. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR, 17:149-150 '63.

Young communards. P. V. Lomanov. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR, 17:159-160 '63.

CHIMKENT PROVINCE—LOCUSTS

Materials on the biology of the Turanian and desert locusts (Orthoptera, Calliptamus) in Chimkent Province. P. V. Lev. Trudy Kaz. NIIZR, 7:3-56 '62.

CHINA—COAL GEOLOGY

Substrate in lithobiolith coal from China. T. A. Kukharenko. Trudy Kol., 21:109-117 '63.

CHINA—COMMUNISM

Bitter fruit of ignorance. Iurii Grigor'ev. Ogonek, 41 no. 38 2-3 S '63.

CHINA—COMMUNIST PARTY

Against a revision of the general line of the communist movement. G. Starushenko. Komm. Ukr., 39 no. 9 10-19 S '63.

Communism means peace. Az. i Afr. segodnia, no. 11 9 N '63.

Complete isolation. Mirzo Tursun-zade. Az. i Afr. segodnia, no. 11:5-6 N '63.

The defense of Marxism-Leninism means its creative development. I. Klishin. Komm. Bel., 37 no. 10, 22-27 O '63.

The duty of Communists and their historical responsibility. V. Kozlenov. Kommunist, 40 no. 15:68-77 O '63.

Left-wing opportunism is the enemy of Marxism. V. Evdokimov. Kommunist, 40 no. 15:54-67 O '63.

Marxism against opportunism. A. Butenko. Mol. komm., no. 10:11-25 O '63.

Marxism-Leninism is the backbone of the unity of the communist movement. Kommunist, 40 no. 15:13-47 O '63.

The most urgent and important problem of our time. N. Petrov. Komm. Ua., 35 no. 10 36-42 O '63.

The nature of left-wing opportunism. A. Butenko. Komm. Ukr., 39 no. 10:45-53 O '63.

Our banner is socialist internationalism. I. Larchenko. Komm. Bel., 37 no. 10:15-21 O '63.

Philosophy of petty-bourgeois hopelessness. Leslie Morris. Kommunist, 40 no. 15:48-53 O '63.

Solidarity despite those who try to break our unity. E. Stepanov. Az. i Afr. segodnia, no. 11:7-8, 43 N '63.

Truth will tell. S. Bruman. Sov. profsoiuzy, 19 no. 20: 38 O '63.

We know that we are right. Nov. vrem., 21 no. 39:7-8 S '63.

CHINA—ECONOMIC ASSISTANCE, RUSSIAN

Passing the buck . . . M. Trigubenko. Mir. ekon. i mezhdunar. otn., no. 10 121-126 '63.

CHINA—ECONOMIC CONDITIONS

Passing the buck . . . M. Trigubenko. Mir. ekon. i mezhdunar. otn., no. 10 121-126 '63.

Who needs such happiness? Z. Apresian. Mol. kolkhoznik, no. 10:34-35 O '63.

CHINA—FOREIGN ECONOMIC RELATIONS—JAPAN

Campaign for the boycott of Japanese merchandise in 1915. A. A. Monina. Krat. soob. Inst. nar. Az., no. 66 117-125 '63.

CHINA—FOREIGN RELATIONS

Communist system is the decisive factor of social progress. P. Kovalʹ. Komm. Ukr., 39 no. 9 20-27 S '63.

A constituent part of the revolutionary movement. F. Kuskov. Agitator, no. 18:7-12 S '63.

In the interests of all nations. Agitator, no. 16:7-11 Ag '63.

CHINA—FOREIGN RELATIONS—AFRICA

African volcanoes and Peking firecrackers. B. Beknazar-Iuzbashev. Az. i Afr. segodnia, no. 11 10-13 N '63.

Afro-Asian solidarity and the concept of isolation. I. Stepanov. Nov. vrem., 21 no. 39, 8-10 S '63.

CHINA—FOREIGN RELATIONS—JAPAN

Attitudes of Japanese ruling groups toward the Chinese People's Republic and the theory of "two Chinese states." I. A. Bednik. Krat. soob. Inst. nar. Az., no. 64:21-33 '63.

CHINA—FOREIGN RELATIONS—RUSSIA

Defenders of the personality cult. Sovremennik. Nov. vrem., 21 no. 41 13-15 O '63.

History of the Soviet-Chinese relations in 1918. S. S. Khuseinov. Krat. soob. Inst. nar. Az., no. 56 107-118 '63.

Russian policy on the opium question in the period of the Anglo-Chinese War, 1839-1842. B. P. Gurevich. Krat. soob. Inst. nar. Az., no. 56:130-142 '63.

Truth will tell. S. Bruman. Sov. profsoiuzy, 19 no. 20: 38 O '63.

CHINA—FRONTIER TROUBLES—RUSSIA

We won't let the provocators in. Aleksandr Serbin. Ogonek, 41 no. 39 25-26 S '63.

CHINA—HEART—SURGERY

Achievements in the field of heart surgery in China. Wu Yung-ai. Mir. nauki, no. 4:6-8 '62.

CHINA—HISTORIOGRAPHY

Some problems of historical science in the People's Republic of China [with summary in English, pp. 218-219]. R. V. Vlatkin, S. L. Tikhvinskii. Vop. ist., 38 no. 10 3-20 O '63.

CHINA—HISTORY

Anatolii Alekseevich Kantorovich, a Soviet political scientist. V. N. Nikiforov. Krat. soob. Inst. nar. Az., no. 56:143-150 '63.

Chinese movement against Christian missionaries in 1868-1891. N. M. Kaliuzhnaia. Krat. soob. Inst. nar. Az., no. 66:69-81 '63.

A group led by Kuo Tʹzu-hsing and Chu Yuon-chang in the early phase of the uprising of the "red turbans," 1352-1356. L. A. Borovkova. Krat. soob. Inst. nar. Az., no. 66:22-37 '63.

Honest ancestors and dishonest descendants. M. Kurgantsov. Az. i Afr. segodnia, no. 11:36-37 N '63.

Imperialist intervention in the "events of May 4, 1919" [with summary in English, pp. 258-259]. Nar. Az. i Afr., no. 5 97-107 '63.

Mainstay of the struggle against the Ch'in in the middle of the 17th century. N. I. Ilo... Inst. nar. Az., no. 66:38-58 '63.

A reform proposed by Fan Chung-yeh in ... Lapina. Krat. soob. Inst. nar. Az., no. 6...

Struggle of the rival groups of the Chines... on the eve of the Revolution of 1911; the ... circles." Iu. V. Chudodeev. Krat. soob. ... no. 66, 105-116 '63.

Two sources of the bourgeois revolution in China; based on the reminiscences o... V. N. Nikiforov. Krat. soob. Inst. nar. A... '63.

Unsuccessful uprising in Kuang-chou in 1... Borokh. Krat. soob. Inst. nar. Az., no. 6...

CHINA—MARKETS

Markets of Changan, the western capital ... Empire. I. S. Ermachenko. Krat. soob. ... no. 66:3-9 '63.

CHINA—MISSIONARIES

Chinese movement against Christian mis... 1886-1893. N. M. Kaliuzhnaia. Krat. soo... no. 66:69-81 '63.

CHINA—POLITICS AND GOVERNMENT

It is worth thinking about, Chʹin-hsing! Evgenii Voskresenskii. Ogonek, 41 no. 37 6-7 S '63.

CHINA—WAR OF 1840-1842

History of the liberation struggle of the Chinese people against English colonizers during the first "Opium War." A. S. Ipatova. Krat. soob. Inst. nar. Az., no. 66 69-80 '63.

Russian policy on the opium question in the period of the Anglo-Chinese War, 1839-1842. B. P. Gurevich. Krat. soob. Inst. nar. Az., no. 56 130-142 '63.

CHINESE KNIFE FISH see subdivision under: Khanka, Lake

CHINESE LANGUAGE

Distribution of the instantaneous values of Chinese speech signals. [Dan' Bao-tszun (Yuan Pao-tsun)]. Sbor. trud. LIIZHI, no. 17 55-60 '61.

CHINESE LANGUAGE—DIALECTS

Tonal contrasts and the classes of tonal systems in the Chinese dialects [with summary in English, p. 261]. A. A. Moskalev. Nar. Az. i Afr., no. 5 145-150 '63.

CHINESE LANGUAGE—PHONOLOGY

Tonal contrasts and the classes of tonal systems in the Chinese dialects [with summary in English, p. 261]. A. A. Moskalev. Nar. Az. i Afr., no. 5 145-150 '63.

CHINESE LITERATURE—TRANSLATIONS INTO RUSSIAN

First translation of Chinese fiction into Russian. I. S. Lisevich. Nar. Az. i Afr., no. 5 157-158 '63.

CHINESE NEWSPAPERS

History of the Chinese revolutionary press, 1901-1904. A. M. Grigor'ev. Krat. soob. Inst. nar. Az., no. 66 94-104 '63.

CHINESE PERIODICALS

History of the Chinese revolutionary press, 1901-1904. A. M. Grigor'ev. Krat. soob. Inst. nar. Az., no. 66:94-104 '63.

CHINESE STUDIES (SINOLOGY) see subdivision under: Japan

CHIRCHIK—AUDITING AND INSPECTION

It shines always, it shines everywhere. N. Sharipov. Part. zhizn' [Uzb.], 6 no. 2:26-28 F '63.

CHIRCHIK—CHEMICAL INDUSTRIES—MANAGEMENT

Man and the meeting. Viktor Polynin. Sov. profsoiuzy, 19 no. 20 32-33 O '63.

CHIRCHIK—GARDEN CITIES

A new housing block. Nar. khoz. Uzb., 5 no. 10:75 O '63.

CHIRONOMIDAE see subdivision under: Baikal Lake region

CHITA PROVINCE—HISTORY, LOCAL

Patriotic tradition is an effective means of education. V. Poliakov. Politsamoobr., 7 no. 9 78-82 S '63.

CHKALOV, VALERII PAVLOVICH, 1904-1938

Chkalova, O. E., comp. [On Chkalov, reminiscences] Nash Chkalov, sbornik vospominanii. [Moskva] Molodaia gvardiia, 1963. 302 p.

CHKALOV PROVINCE see Orenburg Province

CHLORAMINES

Simultaneous determination of hypochlorite and chloramine I or chloramine B [with summary in English]. P. K. Norkus. Zhur. anal. khim., 18 no. 7 881-887 Jl

CHLORELLA—ANATOMY

[illegible] effect of chlorine and [illegible], I. M. Kuznetsova. Trudy [illegible]

CHLOROFORM

[illegible] steam acetone - chloroform [illegible] 25, 45, 58° vapors, [illegible] V. Ya. Tutkevich, M. P. Susarev, [illegible] 1710-171 Ag '64

CHLOROGENIC ACID—TOXICOLOGY

[illegible] and its derivatives, caffeic [illegible] effect to the fungus Phytophthora [illegible] [with summary in English] V. E. Sokolov, [illegible] SSR Ser. biol. 28 no. 5 707-718 S-O '63.

CHLOROPHYLL

[illegible], alkali, and zinc on the intensity of [illegible] chlorophyll accumulation in the [illegible] cabbage. B. V. Ogodin. Nauch. [illegible] no. 4 146-151 '63.

[illegible] of chlorophyll a in frozen solutions, I. I. [illegible], E. P. Karpitskaia. Dokl. AN SSSR [illegible]

R[illegible] and protein in induced chlorophyll [illegible] [with summary in English] I. G. Molotkovskii, [illegible] Izv. AN SSSR Ser. biol. 28 no. [illegible]

CHLORPROMAZINE

Differential [illegible] of aminazine hepatitis and Botkin's disease [abstract, in French] Z. P. Akseon. Zhur. [illegible] 33 no. 2 280-283 '63.

Histochemistry of the central nervous system under the effect of chlorpromazine and tofranil in an acute experiment. Z. A. Zhuravleva. Sb. AN Gruz. SSR 30 no. 5 583-590 M '63.

Results of urinary aminazine in alcoholic abstinence [symptoms] and its effect on thermoregulating reactions [in summary, in English]. A. I. Kuznetsov. Trudy Gos. nauch. [illegible] psikh. 34 360-367 '63.

Role of aminazine in the treatment of epilepsy [with summary in French]. V. S. Pozdniakov. Zhur. nevr. i psikh. [illegible] 276-279 '63.

Some [illegible] of remission in the clinical aspects of [illegible] during aminazine therapy [with summary in French]. T. L. Bortnik, A. S. Kalandarishvili. Zhur. nevr. i psikh. 63 no. 2 263-269 '63.

CHLORTETRACYCLINE

Effect of some organic acids as the only source of carbon and their combinations with hydrocarbons on the development of Actinomyces aureofaciens and chlortetracycline formation. I. P. Baranova, N. S. Egorov. Nauch. dokl. vys. shkoly, biol. nauki no. 4 162-166 '63.

CHOLESTEROL

Effect of muscular activity on the cholesterol content of the blood [with summary in English]. N. K. Popova. Usp. fiziol. nauk. 34 no. 2 270-271 '62.

CHOLINE

Effect of adrenaline on the temperature inactivation of the action of the vagus nerve and acetylcholine. M. A. Poskotinova, S. P. Aleksandriuk. Dokl. AN SSSR 152 no. 6 1487-1489 O '63.

K. S. D'iakonov's discovery of the lecithin-choline relation. V. E. Antsimov. Kaz. med. zhur. no. 1:90-92 Ja-F '61.

CHOLINERGIC AGENTS see Parasympathomimetic agents

CHOLINESTERASES

Effect of tissue preparations on the cholinesterase activity of the blood in rabbits in herpetic keratitis. L. S. Zhelnorovich. Uch. zap. UKIGB 5:246-249 '62.

CHONG-KYZYLSU VALLEY—RUNOFF

Altitude belt influence on the formation of river runoff. G. N. Golubev. Vest. Mosk. un. Ser. 5: Geog. 18 no. 6: 72-76 N-D '63.

CHOREA

Clinical and electroencephalographic studies of patients with Huntington's chorea and their relatives [with summary in French]. S. N. Shternberg, F. A. Leibovich, E. I. Porchinskaia. Zhur. nevr. i psikh. 62 no. 12:1843-1854 '62.

CHRISTIAN ART AND SYMBOLISM

Why? Nauka i rel. no. 2 67 F '62.

CHRISTIAN SOCIOLOGY see Sociology, Christian

CHRISTIANITY AND POLITICS

Religion and churches in the service of imperialists; facts and figures. Komm. Mold. 8 no. 8:58-61 Ag '63.

CHROMATOGRAPHIC ANALYSIS

Application of the chromatographic method in the analysis of dairy products. A. V. Divak. Sbor. stud. rab. MTIMMP no. 7 34-35 '62.

Calculation of the volumes of extraction agents and of the height of partition-chromatographic columns (or the number of cells) for the separation of substances by chromatographic extraction. V. K. Markov. Trudy Kom. anal. khim. 14 99-113 '63.

Chromatographic analysis of higher fatty acids in wood chemical products. L. V. Kostikova, IU. V. Vodzinskii, IU. K. Stapo-hnikov. Gidroliz. i lesokhim. prom. 16 no. 7:9-11 '63.

Chromatographic determination of hydrogen in binary mixtures of gases. B. V. Lizoffev, L. S. Kravchuk. Dokl. AN BSSR 7 no. 4 247-250 Ap '63.

Chromatographic separation of n-alkanes from petroleum fractions on activated carbon. L. M. Rozenberg and others. Neftekhimiia 3 no. 1 172-181 Ja-Ag '63.

Conference on adsorption and methods of chromatographic analysis. L. A. Nozhkina, V. G. Berezkin. Neftekhimiia 1 no. 1 573-575 Jl-Ag '61.

Equation for the output curve of equilibrium sorption in a continuous flow of the substance adsorbed by an adsorbent. V. S. Golubev, A. N. Kirgintsev, G. M. Panchenkov. Kin. i kat. 4 no. 4 635-641 Jl-Ag '63.

Experience in the chromatographic study of the aging of starch gels. N. P. Slilna, V. I. Nazarov. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:37-39 '63.

Fluorescence chromatographic analysis of some homeopathic remedies of plant origin [with summary in English]. G. A. Vaisman, E. G. Sade. Apt. delo 12 no. 5 36-39 S-O '63.

Pyrazoles. Part 37. Chromatographic separation of aminopyrazoles. I. I. Grandberg and others. Zhur. ob. khim. 33 no. 8 2585-2586 Ag '63.

Sorption of acids and bases on domestic anions. I. N. Reshetnikova. Sbor. stud. rab. MTIMMP no. 7:39-42 '62.

Theory of the precipitation chromatography of inorganic ions. A. V. Divak. Sbor. stud. rab. MTIMMP no. 7:35-39 '62.

CHROMATOPHORES

Change in the structure of chloroplasts under the influence of the temperature and radiation balance on Mount Agarats. A. A. Shakhov, S. G. Narintan, B. M. Golubkova. Dokl. AN Arm. SSR 37 no. 1 33-38 '63.

Qualitative composition of the plastid pigment complex of the green embryos in horse beans. G. IA. Zhukova. Bot. zhur. 48 no. 9 1380-1382 S '63.

CHROMIUM CATALYSTS

Polymerization of ethylene on a chromia catalyst without a solvent. IU. I. Ermakov and others. Khim. prom. no. 7:496-498 Jl '63.

CHROMIUM COMPOUNDS

Thiocyanate complexes of chromium (III) in nonaqueous solutions. A. M. Golub, R. A. Kostrova. Ukr. khim. zhur. 29 no. 8:784-789 '63.

CHROMIUM IN THE BODY

Chromium content in the blood of children with leukemia. V. A. Leonov, V. A. Belko. Dokl. AN BSSR 7 no. 10: 711-713 O '63.

CHROMIUM-IRON ALLOYS see Iron-chromium alloys

CHROMIUM-IRON-COBALT ALLOYS

Chromium-iron-cobalt alloy in the region of a chromium-based solid solution. A. T. Grigor'ev, V. V. Kuprina, V. B. Bernard. Vest. Mosk. un. Ser. 2: Khim. 18 no. 5 41-43 S-O '63.

CHROMIUM-MANGANESE STEEL—METALLOGRAPHY

Microstructure of 12KhMF steel following deformation and subsequent aging. E. I. Krutasova, L. F. Venkova. Metalloved. i term. obr. met. no. 11:53-55 N '63.

CHROMIUM-NICKEL ALLOYS see Chromium-nickel alloys

CHROMIUM PLATING

Facing chromium plating baths with epoxy resins. P. Pepchuk. Tekh. v sel'khoz. 23 no. 8:81 Ag '63.

Preventing the entrainment of chromic anhydride during chromium plating. V. P. Baranik, L. N. Andreev, V. A. Sheremet'ev. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10:13-16 '63.

CHROMIUM STEEL—METALLOGRAPHY

Dilatometric investigation of phase transformations in high chromium steels. N. G. Shul'ga, M. F. Zamora. Izv. vys. ucheb. zav., chern. met. 6 no. 9:156-160 '63.

CHROMIUM STEEL—WELDING

Structure and properties of welded joints in OKh13 (EI496) steel. N. M. Lorolev, A. P. Riakhovskaia. Svar. proizv. no. 10:20-22 O '63.

Welding OKh13 (EI496) steel structures. L. P. Bakhrakh, L. S. Livshits. Svar. proizv. no. 10:18-20 O '63.

CHROMOSOMES

Dependence of the frequency of the formation of chromosome aberrations on radiation intensity and the physiological condition of barley seeds [with summary in English]. N. I. Nuzhdin, R. L. Dozortseva, N. S. Samokhvalova. Izv. AN SSSR, Ser. biol. 28 no. 4:514-525 Jl-Ag '63.

Effect of adrenal gland hormones on the [illegible] of the chromosomal apparatus in the epithelial cells of the cornea of mice. IU. IA. Korkhin, V. V. [illegible]. Dokl. AN SSSR 153 no. 1:202-204 O '63.

Effect of protective substances applied after [illegible] the frequency of chromosome aberrations [summary in English]. L. S. Tsaregradskaia. Tsitol. i genet. biol. 1:214-217 '64.

Effect of X rays and high temperature on [illegible] over process [with summary in English]. I. A. [illegible]tov, S. G. Inge-Vechtomov. Trudy MOIP. [illegible] 191-197 '63.

Polyteny in the nuclei of wheat antipodals. I. V. [illegible]skii, Z. D. Prokof'eva. Dokl. AN [illegible] 449 S '63.

RNA changes in the giant chromosomes of [illegible] dorsalis during metamorphosis and under experimental treatments. I. I. Kikhnadze, I. I. Hadova. [illegible] 152 no. 2 450-451 S '63.

Role of the ploidy factor in radiation injury of [illegible] some genetic effects of radiation [with summary in English]. V. I. Korogodin. Trudy MOIP. [illegible] 181-188 '63.

Study of the aftereffect of X rays on the primary [illegible] junction of X chromosomes [with summary in English]. M. M. Tikhomirov. Trudy MOIP; Otd. biol. [illegible] '63.

CHRONAXIA

Chronaximetric analysis of cortical neurodynamics of cerebral hemispheres of vascular origin [with summary in French]. U. Sh. Akhmerov. Zhur. nevr. i psikh. 62 no. 12:1791-1798 '62.

CHRYSANTHEMUMS

Classification of garden chrysanthemums. V. [illegible] va-Kolakovskaia. Trudy Sukh. bot. sadov. [illegible] '62.

CHRYSOSTOMUS, JOANNES, Saint, Patriarch of Constantinople, d. 107

Joannes Chrysostomus. I. Shelpikov. [illegible] no. 8:49-51 Ag '63.

CHU VALLEY—IRRIGATION

Water balance of the Panfilovskaya irrigation system. V. I. Kontiuk. Izv. AN Kir. SSR, Ser. est. i tekh. [illegible] no. 10:51-68 '62.

CHUCKS

Chuck for taps. M. P. Kozlov. Stan. i instr. [illegible] 41 O '63.

Self-clamping inertia chuck. I. N. Petrov. Mashinostroitel' no. 11:20-21 N '63.

CHUGUNOV, IAKOV TIMOFEYEVICH

Deed of Warrant Officer Chugunov. N. Smirnov. [illegible] no. 7:141-142 Jl '62.

CHUIKOV, SEMEN AFANAS'EVICH, 1900-

Chuikov, S. A. [Semen Chuikov, selected works] S. [illegible] Chuikov, Izbrannye proizvedeniia. Moskva, Izd-vo Akad. khudozh. SSSR, 1963. 23 p. 54 plates.

CHUKCHI NATIONAL AREA—DESCRIPTION AND TRAVEL

Again in Chukchi. Vladimir Sergeev. Nov. zhizn' 1 no. 2:202-220 F '63.

CHUKCHI SEA—OCEAN CURRENTS

Study of the surface currents in the Chukchi and [illegible] Seas. A. IA. Minevich. Okeanologiia 3 no. [illegible] '63.

CHUKCHI SEA—OCEANOGRAPHY

Inflow of the Pacific Ocean water through the Bering Strait into the Chukchi Sea. Z. P. Fedorova. [illegible] na. Okeanologiia 3 no. 5:777-784 '63.

CHUM SALMON see subdivision under Amur River

CHURACHIKI—ANTIQUITIES

The Churachiki barrow in Chuvashia. V. F. [illegible] Sov. arkheol. 2 no. 3:150-177 '63.

CHURACHIKI—MAN, PREHISTORIC

Skulls from the Churachiki barrow in Chuvashia. [illegible] Akimova. Sov. arkheol. 2 no. 3:170-179 '63.

CHURCH

Religion and church abroad. Nauka i rel. 4 no. [illegible] Ag '63.

CHURCH AND EDUCATION

Secular or ecclesiastical education? B. Kogan. Nauka i rel. no. 2 44-50 F '62.

CHURCH AND STATE

The decree on separation of church and state, and [illegible] school and church. V. Alekseev. Otv. na vop. tr. [illegible] no. 1:50-59 Ja '63.

CHURCH CALENDAR

[Old believer church calendar for 1963] Staroobriadcheskii tserkovnyi kalendar' na 1963 god. [Moskva] Staroobriadcheskaia arkhiepiskopiia Moskovskaia i vseia Rusi, [n. d.] 66 p.

CHURCH DECORATION AND ORNAMENT see subdivision under Goryany

CHURCH PROPERTY see subdivision under Silesia

CHURCH SCHOOLS
The decree on separation of church and state, and of school and church. V. Alekseev. Otv. na vop. trud. ra 1-50-59. Ja '63.

CHUSOVAYA RIVER—LUMBER—TRANSPORTATION
New developments in the technology of floating on small rivers. A. N. Smirnov. Les. prom. 10 no. 5 15-16 My '62.

CHUVASHIA—HISTORY
Pavlov, IA. K. [The Great October Socialist Revolution and the solution of the national problem of Chuvashia, 1917-1925] Velikaia Oktiabr'skaia sotsialisticheskaia revoliutsiia i razreshenie natsional'nogo voprosa Chuvashii, 1917-1925 gg. Pod red. T. G. Guseva. Cheboksary, Chuvashskoe gos. izd-vo, 1957. 185 p. (CSt-H)

CHUVASHEV, IL'IA VASIL'EVICH, 1893-1963
Outstanding worker of pre-school education. Doshk. vosp. 25 no. 10 109 O '63.

CICADA see subdivision under Carpathian Mountain region

CIGARETTES
Some data on the study of cigarette filters. P. P. Dikun. Nauch. inform. Otd. nauch. in-d inform. AMN SSSR no. 1 7-8 '63.

CINQUEFOIL
Study of the essential oil of marsh cinquefoil [with summary in English]. G. N. Nerucheva, P. E. Rozenvseig. Aptech. delo 12 no. 5-21-27 S-O '63.

CITIES AND TOWNS see subdivision under Angara Valley, Donets Economic region, Fergana, Imeretiya; Racha-Lechkhumi; Ugarit

CITIES AND TOWNS, RUINED, EXTINCT, ETC see subdivision under Azov Sea region

CITRIC ACID
Esters of citric and malic acids. N. I. Salit, A. S. Sedykova. Zhur. ob. khim. 33 no. 8 2716-2718 Ag '63.

CITY PLANNING
(see also subdivision under Great Britain, Leningrad; Moscow, United States; White Russia)

City Planning Institute. A. A. Tikhonova. Izv. ASIA no. 4:122-124 '61.

Kos'kov, B. I., and K. P. Pavlov. [Manual for the realization of plans and building of towns and settlements] Rukovodstvo po peresmotru proektov planirovki i zastroiki gorodov i poselkov v natury. 2. izd., ispr. i dop. Moskva, Gosgeoltekhizdat, 1963. 201 p.

Location of warehouses in cities. A. Ginmel'farb. Sov. torg. 36 no. 8:9-13 Ag '63.

Kraunov, A. I., A. V. Makhrovskaia, and O. A. Ivanova. [Residential district and microdistrict] Zhilol raion i mikroraion. Leningrad, Gosstroiizdat, 1963. 94 p.

On the eve of the 7th Congress of the I. U. A. Arkhit. SSSR no. 8:34-41 '63.

CIVIL DEFENSE
(see also subdivision under Moscow, Tukums)

Perfect the organization and methods of training. P. Kurenkov. Voen. znan. 39 no. 10 25 O '63.

Nuclear weapon. N. Ponikarov. Voen. znan. 39 no. 10: 23-24 O '63.

Self-help and mutual aid in contamination by toxic chemical agents. A. Vyshivkina. Voen. znan. 39 no. 10 21-23 O '63.

Tirelessly strengthen civil defense! Voen. znan. 39 no. 10:1-2 O '63.

CIVIL ENGINEERING
Akademiia stroitel'stva i arkhitektury SSSR. TSentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture. [Methods of building separate complex engineering structures] Metody stroitel'stva otdel'nykh slozhnykh inzhenernykh sooruzhenii. Moskva, Gosstroiizdat, 1963. 130 p. (Its Opyt zarubezhnogo stroitel'stva, no. 9)

CIVIL LAW
From the practice of notarial agencies. Sov. iust. no. 19: 31 O '63.

Preventing the violation of civil laws is an important part of court work. E. Popov. Sov. iust. no. 19, 12-13 O '63.

CIVIL PROCEDURE
Public participation in the trial of civil cases. N. Faustov. Sov. iust. no. 13 16-17 Jl '63.

CLASSIFICATION
Comprehensive list of captions used by abstract journals in the Soviet Union. V. L. Gor'kova. NTI no. 2, 7-11 '63.

CLASSIFICATION—ARCHIVES
Petrovskaia, M. I. [Classification of documentary materials in Soviet archives] Sistematizatsiia dokumental'nykh materialov v sovetskikh arkhivakh. Pod red. A. V. Chernova. Moskva, Mosk. gos. istoriko-arkhivnyi in-t, 1959. 75 p. (NjR)

CLASSIFICATION—BOOKS
Recataloging and reclassifying library collections, practices of the Moscow University Library. V. L. Bitzovich, G. A. Kleinman, E. I. Leskhina. Bibliot. SSSR no. 23 96-113 '63.

CLASSIFICATION—PHYSICS
Development of captions in informational publications as exemplified by the cumulative volume of the abstract journal "Fizika." IA. G. Dorfman. NTI no. 2 12-14 '63.

CLASSIFICATION, DECIMAL
News of the Universal Decimal Classification. NTI no. 5 29-30 '63.

CLAY
(see also subdivision under Ob' Valley, Odessa, Ukraine)

Effect of silica gel on the technological properties of clay. N. S. Belostotskaia. Stek. i ker. 20 no. 8 22-25 Ag '63.

Methods for studying the oriented aggregates of clay minerals using the X-ray diffraction analysis. TS. M. Rautbard. Rent. min. syr. no. 2:69-74 '62.

New experimental data on the study of the microaggregates of clay minerals. TS. M. Rautbard, L. I. Kul'chitskii. Rent. min. syr. no. 2:75-80 '62.

Practice in electrochemical stabilization of clay soils. V. A. Sokolov. Trudy NIIZHT no. 28 125-127 '62.

Using indices of physicochemical properties of clay rocks for solving geological problems. S. P. Abramov. Trudy NIIZHT no. 28 53-62 '62.

CLAY—ANALYSIS see subdivision under Tuarkyr region

CLEANING COMPOUNDS
New composition for chemical degreasing. V. I. Semeriuk, L. I. Elkinova, S. Z. Pritykina. Rinl. tekh. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekh. inform. 16 no. 10 14-16 '63.

New developments in products of everyday use. O. Pokhekhuk. Nauka i zhyttia 12 no. 3:35 Mr '63.

CLEARING OF LAND
(see also subdivision under Lena Valley, Ukraine)

Machines for clearing fields of stones. V. G. Peskov, Iu. A. Kuznetsov, Z. G. Barinova. Traktory i sel'khozmash. 33 no. 8 30-32 Ag '63.

CLERKS (RETAIL TRADE)
(see also subdivision under Moscow, Toguchin)

Escape. L. Lebedinskaia, I. Kotov. Ogonek 11 no. 38: 4 S '63.

CLICK BEETLES—EXTERMINATION see subdivision under Kazakhstan

CLIMATOLOGY see subdivision 'Climate' under Arctic regions, Georgia, Kazakhstan, Poland, Soviet Central Asia; Tajikistan, Ukraine; Usturt; Uzbekistan

CLIMATOLOGY—RESEARCH see subdivision under Kazan

CLIMBING PLANTS see subdivision under Abkhazia

CLINICS
Podol'nyi S. A. [Municipal polyclinic] Gorodskaia poliklinika. Moskva, TSentr. in-t usovershenstvovaniia vrachei, 1963. 259 p. (Zaochnoe usovershenstvovanie) (DNLM)

CLOCKS AND WATCHES—REPAIRING AND ADJUSTING
Method for regulating the movement of a watch. A. D. Romanov. Izv. vys. uchеb. zav.; prib. 6 no. 5, 95-102 '63.

CLOSED-CIRCUIT TELEVISION
Synchronization systems of closed circuit television units. G. M. Bogdanov. Tekh. kino i telev. 6 no. 8 55-61 Ag '62.

CLOSTRIDIUM
Dense milk-sulfite medium for accelerated cultivation of Bacillus perfringens. A. P. Vasil'ev. Trudy Mosk. vet. akad. 12:187-191 '56.

Sanitary bacteriological study of feeds with regard to Bacillus perfringens. A. P. Vasil'ev. Trudy Mosk. vet. akad. 12:177-186 '56.

Studies on the activation of α-protoxine in type D Clostridium perfringens cultures. M. D. Polykovskii, F. I. Kagan, V. M. Podkopaev. Veterinariia 37 no. 2:44-46 F '60.

Transformations of the nuclear structures during sporulation in anaerobic bacteria of the genus Clostridium. N. A. Krasil'nikov, V. I. Duda. Dokl. AN SSSR 152 no. 2:454-456 S '63.

CLOTHING, COLD WEATHER—TESTING
Investigating the heat insulating properties of clothing. L. I. Trettiakova. Leh. prom. no. 3 83-84 Jl-S '63.

CLOTHING, PROTECTIVE
Combination protective shield for electric welders. P. I. Shekalin. Svar. proizv. no. 10 30 O '63.

How to organize control over the procurement of individual protective means for workers. Okhr. truda i sots. strakh. 6 no. 10 34-35 O '63.

Protective clothing for tappers. V. F. Bublenko, Gidrolizn. i lesokhim. prom. 11 no. 8, 18 '61.

CLOTHING AND DRESS—STANDARDS
Products of the clothing industry. N. M. Karneeva. Standartizatsiia 27 no. 10 40 O '63.

CLOTHING INDUSTRY
(see also subdivision under Chelyabinsk, Donetsk, Georgia, Ivanovo Province, Kalinin, Kuybyshev, Semipalatinsk)

Apply the achievements of science and technology in production. V. I. Popkov. Shvein. prom. no. 3 16-19 Je-Jl [i.e. My-Je] '61.

Correspondence courses are particularly promising. Shvein. prom. no. 4 37-38 Je-Jl [i.e. My-Je] '61.

Let's welcome the 22d Congress of the CPSU with suitable achievements. N. L. Chernokov. Shvein. prom. no. 3 1-3 Je-Jl [i.e. My-Je] '61.

Readers' letters. Shvein. prom. no. 3 30-32 Je-Jl [i.e. My-Je] '61.

CLOTHING INDUSTRY—BIBLIOGRAPHY see Bibliography—Clothing industry

CLOTHING INDUSTRY—CONGRESSES
Conference of Clothing Industry Specialists. Shvein. prom. no. 3 36-37 Je-Jl [i.e. My-Je] '61.

CLOTHING INDUSTRY—EQUIPMENT AND SUPPLIES
Automatic device for indicating the termination of the steaming process for clothing goods with various moisture contents. I. V. Orlov, V. P. Dubrovnyi. Leh. prom. no. 3 3-7 Jl-S '63.

CLOTHING INDUSTRY—LABOR PRODUCTIVITY see subdivision under Moscow, Pskov

CLOTHING INDUSTRY—MANAGEMENT
(see also subdivision under Tiraspol', Ukraine)

Improve planning in the clothing industry. N. I. Prokopenko. Shvein. prom. no. 4 11-15 Je-Jl [i.e. My-Je] '61.

CLOTHING INDUSTRY—PACKAGING see subdivision under United States

CLOTHING WORKERS
(see also subdivision under Moscow)

Answering readers' queries. Shvein. prom. no. 3:32-33 Je-Jl [i.e. My-Je] '61.

CLOUD PHYSICS
Cooling and freezing processes of water drops. V. M. Muchnik, IU. S. Rud'ko. Trudy UkrNIGMI no. 31, 133-144 '62.

Dependence of the phase structure of St, Sc, and Ac clouds on the temperature. I. P. Polovina. Trudy UkrNIGMI no. 31, 156-164 '62.

Some characteristics of clouds in relation to their precipitation. I. P. Polovina. Trudy UkrNIGMI no. 31 115-157 '62.

CLOUDS
Radar observation as a method for studying the influence on supercooled strati. I. M. Volynets and others. Meteor. i gidrol. no. 10:3-0 O '63.

Turbulent exchange in clouds. M. A. German. Meteor. i gidrol. no. 10:15-21 O '63.

CLOVER see subdivision under Latvia

CLUTCHES (MACHINERY)
Design of the construction parameters of shot clutches with a driving housing. N. M. Men'kova. Nauch. soob. IGD 18 151-103 '63.

New type of limiting hydrodynamic clutches. O. V. IAremenko. Vest. mashinostr. 43 no. 10 26-32 O '63.

CLUTCHES (MACHINERY)—VIBRATION
Stability and frequencies of natural vibrations of a centrifugal clutch. A. T. Poletskii, G. D. Esin, G. A. Zavialov. Teor. mash. i mekh. no. 94/95 111-118 '63.

COAL—ANALYSIS
Grouping Cheremkhovo deposit coals by the degree of their oxidation. A. I. Khisanfova, G. N. Soboleva. Trudy IGI 21:118-133 '63.

Investigating the association of germanium with an organic mass of coal. A. A. Khanamirova. Trudy IGI 21 88-98 '63.

Micromethod for the determination of chlorine and bromine. N. P. Fedorovskaia, L. M. Khaskina. Trudy IGI 21:190-196 '63.

Oxidation reaction and some problems of the structure of coal. R. N. Smirnov. Trudy IGI 21, 16-68 '63.

Using the method "Gettrennung" to determine the composition of inorganic solutes and solids. S. L. Lubarskaya. Koks i khim. no. 2:1-7 '63.

Volumetric electrochemical sulfur content determination. P. P. Lebedev, V. A. Zakharov. Trudy IGI 21:175-177 '63.

COAL—RADIOACTIVE PROPERTIES

Effect of secondary gamma radiation on the results of measuring coal ash. B. S. Fokhrafel'. Nauch. trudy VNIIGI 11:50-51 '62.

COAL—SULFUR CONTENT

Determining elemental sulfur in oxidized coal. V. I. Klimanova, G. V. Sorokina. Trudy IGI 21:169-174 '63.

COAL—TESTING

Moscow. Institut gornogo dela imeni A. A. Skochinskogo. [Mechanical properties of rocks] Mekhanicheskie svoistva gornykh porod. Moskva, Izd-vo Akad. nauk SSSR, 1963. 169 p.

Oxidation by oxygen in an alkaline medium of weathered coal in various stages of metamorphism. T. E. Veselovskaya. Trudy IGI 21:3-15 '63.

COAL—TRANSPORTATION see subdivison under Kuznetsk Basin

COAL GASIFICATION, UNDERGROUND
(see also subdivision under Angren Basin, Dnieper Basin, Moscow Basin, United States)

Instrument measurement of the rate of heat and mass exchange between gas flows and enclosing walls. F. M. Leontovich, I. I. Lyashko. Nauch. trudy VNIIPodzemgaza no. 9:7-21 '63.

New control devices for underground gasification of coal. I. M. Belianova. Nauch. trudy VNIIPodzemgaza no. 9:95-102 '63.

Possibility and expediency of drilling vertical holes with water flushing. V. G. Smirnov, V. M. Petrosicheva. Nauch. trudy VNIIPodzemgaza no. 9:74-80 '63.

Preliminary results of the industrial introduction of the VBK-50 drilling rig. V. G. Smirnov. Nauch. trudy VNIIPodzemgaza no. 9:103-111 '63.

Study of the stability of curvilinear shapes of roof supports on volumetric models. G. N. Kuznetsov, V. N. Fazak, V. I. Shcherin. Nauch. trudy VNIIPodzemgaza no. 9:48-73 '63.

Study of various systems and parameters for electrical linking on an electrolytic model. G. I. Kremi. Nauch. trudy VNIIPodzemgaza no. 9:85-91 '63.

COAL GASIFICATION, UNDERGROUND—COSTS

Effect of gas losses on its cost. D. K. Semenenko. Nauch. trudy VNIIPodzemgaza no. 9:111-114 '63.

COAL GEOLOGY
(see also subdivision under Angren Basin; China; Moscow Basin)

Coal oxidation in seams during weathering. V. I. Khrisanfova, G. N. Sobolev. Trudy IGI 21:69-87 '63.

Data on the composition of peat and the process of its formation as an initial stage in the coal-forming process. T. V. Kukharenko. Trudy IGI 21:134-143 '63.

COAL HANDLING MACHINERY
(see also subdivision under Krivoy Rog Basin)

Experiment in the installation of a coal loader crane. Yu. I. Zubin. Prom. stroi. 41 no. 9:8-10 S '63.

COAL MINES AND MINING
(see also subdivision under Donets Basin, Hungary, Karaganda Basin, Kirghizistan, Kuznetsk Basin, Lvov-Volyn' Basin)

Effect of the diameter of the explosive charge on the piece-size distribution of broken ore in working veins. E. I. Pantilov. Nauch. soob. IGD 18:72-79 '63.

Efficient means of mining coal seams under installations in the Karaganda Basin. Ugol' 38 no. 9:22-26 S '63.

Mining with caving or filling depends on local conditions. I. D. Gelfukh, F. S. Kondrashev. Ugol' 38 no. 9:4-8 S '63.

Preliminary [illegible] of massif to increase [illegible]. Nauch. soob. IGD

COAL MINING MACHINERY

Performance of the USB-2 plow. O. Poseykin, V. Durakov. Ugol' 38 no. 9:41-43 S '63.

COAL MINING MACHINERY—PNEUMATIC DRIVING

Area of use of pneumatic power in coal mines. V. V. Murzin and others. Ugol' 38 no. 9:10-12 S '63.

Results of experimental commercial introduction of coal breaking by compressed air. D. I. Adamidze. Nauch. soob. IGD 18:64-71 '63.

COAL MINING MACHINERY—TESTING

Analysis of the operation of the working parts of cutter-loaders for selective mining of coal and rock. V. I. Dolgov. Nauch. soob. IGD 18:136-143 '63.

COAL PREPARATION
(see also subdivision under Krasnoyarsk Territory)

Belkov, A. M. [Economics of coal preparation and utilization] Ekonomika obogashcheniia i ispol'zovaniia uglei. Moskva, Gosgortekhizdat, 1963. 111 p.

Economic efficiency and prospects of introducing the method of coke charge granulation in industry. V. P. Davydov, L. V. Semenov, T. N. Konstantinova. Trudy IGI 22:169-177 '63.

Gosudarstvennyi proektno-konstruktorskii i nauchno-issledovatel'skii institut po obogashcheniiu i briketirovaniiu uglei. [Technological trends in coal preparation] Tekhnicheskie napravleniia obogashcheniia uglei. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1963. 120 p.

Moscow. Institut gornogo dela imeni A. A. Skochinskogo. [Ore dressing and coal preparation] Obogashchenie rud i uglei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 210 p.

Obtaining metallurgical coke from weakly-caking coals by the preliminary granulation of coal charge mixtures prior to coking. P. I. Kanavets and others. Trudy IGI 22:154-168 '63.

Review of the book "Flocculation of middlings" by T. G. Tomenko, I. S. Blagova, and A. M. Fokhina. Ugol' 38 no. 9:63 S '63.

COAL PREPARATION PLANTS—EQUIPMENT AND SUPPLIES

Automatic discharge of the heavy fractions from settling machines. D. S. Enaleyanov, V. I. Khvan, B. P. Pirozhenskii. Koks i khim. no. 10:3-6 '63.

Automatic regulation of the discharge of the thickened sludge from pyramid-shaped thickeners. L. I. Pevchenko. Koks i khim. no. 10:17-20 '63.

Automation of the pyramid-shaped thickener. V. M. Sitalo and others. Koks i khim. no. 10:13-17 '63.

COAL-TAR PRODUCTS

Makovetskii, P. S. [From coal, petroleum, and gas] Iz uglia nefti i gaza. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963. 106 p. (Nauchno-populiarnaia literatura)

COALWEATHERING see subdivision under Cheremkhovo Basin

COAST CHANGES
(see also subdivision under Crimea)

Using the hydrometeorological method for studying the dynamics of the coasts of reservoirs and seas. L. G. Nikiforov, I. A. Pravotorov. Okeanologiia 3 no. 4:739-748 '63.

COASTS
(see also subdivision under Albania, Sakhalin)

"Fundamentals of the geomorphology of sea coasts" by O. K. Leontiev. Reviewed by V. I. Lymarev. Vest. Mosk. un. Ser. 5 Geog. 18 no. 5:86-87 S-O '63.

COBALT—ANALYSIS

Determination of small amounts of nickel and cobalt with the use of extraction. V. M. Savostina, V. M. Peshkova. Trudy Kom. anal. khim. 11:298-302 '63.

COBALT—METALLOGRAPHY

Defects of packing in pure cobalt and in cobalt-iron alloys. IA. D. Vishnikov, D. M. Mazo, IA. S. Umanskii. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:145-147 '63.

COBALT—PHYSIOLOGICAL EFFECT

Effect of cobalt on the increase of the utilization of carbamide nitrogen by sheep. A. V. Mollanov, IU. I. Rietskaia, A. M. Kholmanov. Trudy VIZH 24:203-213 '62.

Effect of cobalt supplements on the sugar content in the blood and the glycogen content in the liver of Romanov sheep in case of cobalt deficiency. M. I. Rambukh. Trudy VIZH 24:258-268 '62.

COBALT—THERAPEUTIC USE

Some prerequisites for the use of cobalt in anemic states of animals and in prophylaxis. I. S. Shutov. Trudy Ul'ian. sel'khoz. inst. 6 no. 2:129-134 '61.

COBALT ALLOYS—METALLOGRAPHY

Structural and volume changes in Co-C and Ni-C alloys during heating and cooling. A. A. Baranov. Izv. vys. ucheb. zav., chern. met. 6 no. 9:148-155 '63.

COBALT CHLORIDES—THERMAL PROPERTIES

Thermal properties of aqueous solutions of cobaltous chloride in the range of temperatures up to 300°. I. S. Galinker, N. A. Belova. Zhur. ob. khim. 33 no. 10:3119-3121 O '63.

COBALT CHLORIDES—TOXICOLOGY

Toxic and lethal doses of cobalt chloride. I. A. [illegible]. Trudy Ul'ian. sel'khoz. in-ta. 8 no. 2:103-106 '61.

COBALT COMPOUNDS

Cation activity of the components in a "cobalt" [illegible] the nature of the end groups in a polyoxyethylene [illegible] L. I. Imanova and others. Dokl. AN SSSR [illegible] 1476-1478 O '63.

Complex compounds of nickel and cobalt with 1-amino-5-methyl-2-hexyn-3-ol. S. N. Ayukaeva, [illegible] Zaitseva. Zhur. ob. khim. 33 no. 10:3343-3348 O '63.

Electron spectra of binary diaphenanthrolate of [illegible] copper and cobalt. I. A. Kozlovskaya and others. Zhur. ob. khim. 33 no. 10:3343-3348 O '63.

COBALT IN ALLOYS—TESTING

Surface tension of melts in the system cobalt-[illegible] Lyamenko, Iu. V. Naidich, M. I. Vasilina. Izv. vys. Met. i gor. delo no. 5:64-67 '63.

COBALT OXIDES

Polarographic study of stage. Nickel and cobalt [illegible] S. S. Ogniani. Ukr. khim. zhur. 29 no. 10:1041-[illegible]

COBALT PLATING

Effect of the electrolyte acidity on the properties of cobalt electrodeposits. N. A. Balashova, S. [illegible] Dokl. AN SSSR 150 no. 6:1306-1308 O '63.

COELACANTHIDAE

Tale about "old fourlegs." A. A. Malevich. Priroda [illegible] no. 9:121-122 '63.

COELENTERATA

Morphological and cytochemical changes in the [illegible] of starlet and sturgeon under the influence of [illegible] sitism of Polypodium hydriforme Ussoyff. G. [illegible] I. V. Ralkova. Dokl. AN SSSR 152 no. 1:[illegible] '63.

COINS

The Baltic Sea-Volga route. V. B. Valiakhmetov. [illegible] ntheol. 7 no. 3:126-135 '63.

COINS, CIMMERIAN

More about the coins ascribed to Scythians. I. V. [illegible] ko. Vest. drev. ist. no. 3:69-81 '63.

COINS, CUFIC see subdivision under Novgorod

COKE

Obtaining metallurgical coke from weakly-[illegible] by the preliminary granulation of coal charge [illegible] prior to coking. P. I. Kanavets and others. [illegible] IGI 22:151-168 '63.

Preparation of manganese coke and its use in [illegible] converter cast iron. V. A. Borodkin, A. I. [illegible] V. P. Rogach. Met. i gornorud. prom. no. 1:32-34 JI-A. '63.

Properties of a fluidized bed of coke in coal [illegible] V. A. Gorlov, V. I. Skoblo. Khim. i tekh. topl. i masel [illegible] no. 9:11-16 S '63.

COKE INDUSTRY
(see also subdivision under Krasnoyarsk Territory, Ukraine; Yenakiyevo)

Content of 3,4-benzpyrene in the waste waters of [illegible] and coal chemicals industries. N. IA. Aizenberg, [illegible] Fedorenko, IA. I. Kostovetskii. Koks i khim. [illegible] 41-45 '63.

Coordination of plant laboratory work in the coke [illegible] A. I. Boits. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11:76-77 '63.

Economic efficiency and prospects of introducing the method of coke charge granulation in industry. V. P. Davydov, L. V. Semenov, T. N. Konstantinova. [illegible] IGI 22:169-177 '63.

COKE INDUSTRY—BY-PRODUCTS

Discussing D. S. Petrenko, O. D. Gorstkaya and I. M. Shapiro's article "Efficient utilization of [illegible] the tar liquor in the production of pyridine [illegible] G. D. Khalampovich, V. M. Kuzmov. Koks i khim. no. 10:62 '63.

COKE INDUSTRY—EQUIPMENT AND SUPPLIES

Improvements in the design of saturators. G. P. [illegible] M. M. Sorkin. Koks i khim. no. 10:37-40 '63.

Possibility of gas admission from the coke oven batteries to one saturator. A. A. Radzivovskii. Koks i khim. no. 10:36-37 '63.

COKE INDUSTRY—HYGIENIC ASPECTS see subdivision under Kemerovo

COKE OVEN GAS

Mechanism for the trapping of pyridine bases from coke gas (in connection with the review by G. D. Khalampovich and V. M. Kuzmov). M. D. Shapiro. Koks i khim. no. 10:62-64 '63.

COKE OVENS

Hydraulic system of coke ovens. S. I. Kaftan. Koks i khim. no. 10:20-28 '63.

ection with the article "Concerning the hydraulic
n of coke ovens." I. B. Ivanov. Koks i khim.
20-21 '63.

gas dynamics in the heating system of the large-
ty type PVR coke ovens. A. P. Borodikhin, Iu. I.
tov, N. O. Lukomskaia. Koks i khim. no. 10,31-
).

FNS—EQUIPMENT AND SUPPLIES

the travel mechanism of the door extractor with
s systems of speed regulation. A. A. Azimov and
. Koks i khim. no. 10,51-58 '63.

—SHORE PROTECTION

op the hogging up of the Colchis. E. A. Popov.
i. 52 no. 9,56-57 '64.

THODE TUBES

ode with a trigger in an electron gun. A. B.
F. M. Reikhrudel'. Zhur. tekh. fiz. 33 no. 8 1896-
g '63.

DRAGE

conditions for the preservation of green peas
geration chambers till their processing in
M. S. Mordkovich and others. Kons. i ov. prom.
0 10-12 O '64

DRAGE LOCKERS

llow and Advice. Sov. potreb. koop. 7 no. 6 69-
'63.

DRAGE WAREHOUSES

e subdivision under Kazakhstan)

ce on the improvement of the index of the volume
g and costs of production of the technical shops
storage distribution warehouses. Khol. tekh.
5 65-66 S-O '64

DRAGE WAREHOUSES—AIR CONDITIONING

tioning in universal cold storage warehouses.
vent Khol. tekh. 10 no. 5 67-69 S-O '63.

DRAGE WAREHOUSES—DESIGN AND CONSTRUCTION

ntal automated cold storage warehouse built
recast panels. A. D. Popov, Iu. A. Pirumov,
sb. 10 no. 5 14-15 S-O '63.

LDING—EQUIPMENT AND SUPPLIES

unit for the cold butt welding of copper contact
I. B. Baranov. Avtom. svar. 16 no. 5:75-77
.

IVE FARMS

e subdivision under Crimea; Leningradskiy
, Fergana, Narpaiskiy District; Poltava Prov-

ive study of the socialist reorganization of
ure in the U.S.S.R. and Czechoslovakia [with
y in English, pp. 219-220]. Vlastimila Kladi-
/op. ist. 38 no. 10 37-50 O '63.

valuation of historical sources concerning the
age of over-all collectivization, Autumn 1929-
930. N. A. Ivnitskii. Ist. arkh. 8 no. 2:191-202
'62.

V. P., ed. [Studies on the history of the collec-
n of agriculture in the Union Republics]
istorii kollektivizatsii sel'skogo khoziaistva v
h respublikakh. Moskva, Gospolitizdat, 1963.

skii, V. E. [Development of social relations in
ears] O razvitii obshchestvennykh otnoshenii
ie. [Leningrad] Lenizdat, 1962. 57 p. (Reshe-
i s"ezda KPSS, v zhizn'!)
0)

on the differential land rent of collective farms.
mushkin. Polit. samoobr. 7 no. 9,132-136

ir experience. K. Zaris. Sots. obesp. 24
23 Ag '63.

VE FARMS—ACCOUNTING

i subdivision under Lipetsk Province)

electric power consumption on collective and
ns during the transition to economic account-
thin sections of farms. L. P. Tyshchenko
l'hosp. nauky 6 no. 4:16-19 Ap '63.

F. [Organization and planning of business
ng within production units of a collective farm]
tsiia i planirovanie vnutrikhoziaistvennogo
v kolkhoze. Ulan-Ude, Buriatskoe knizhnoe
1962. 159 p.
)

D. I. [Business accounting on collective farms]
tvennyi raschet v kolkhozakh. Kishinev, Izd-
oz. lit-ry MPZSKhP MSSR, 1962. 176 p.
l)

nprove accounting on collective farms. E. So-
st. stat. no. 10:27-34 '63.

VE FARMS—COSTS

subdivision under Voronezh Province)

gical principles of the correlation analysis of
rs which determine the cost of production on
e farms [with summary in English]. I. N.
nko. Vest. LGU 18 no. 17 112-117 '63.

COLLECTIVE FARMS—FINANCE

l or the high effectiveness of investments on collective
farms. V. I. Samoutail. Komm. Uz. 35 no. 9 46-52 S
'64.

COLLECTIVE FARMS—INCOME DISTRIBUTION

Income distribution on collective farms. D. Pravdin.
Agitator no. 16,44-46 Ag '63.

COLLECTIVE FARMS—LABOR PRODUCTIVITY

The economic law of the steady growth of labor productivity, its effect and utilization in collective farm production. A. I. Lukianchikova. Uch. zap. Tadzh. un. 23 Trudy Kaf. polit. ekon. no. 1:47-77 '59.

COLLECTIVE FARMS—LAWS AND LEGISLATION

Ensuring a strict observance of Soviet laws on collective farms. R. Beilis. Rad. pravo no. 1 96-97 Ja-Ag '64.

Legal regulation of production contacts between the Soviet state and collective farms. L. N. Bakhovkina. Sov. gos i pravo 33 no. 10,33-42 O '63.

We have counseled collective farms in legal problems and managed their lawsuits in courts. O. Pedan. Rad. pravo no. 4,97-98 Ja-Ag '63.

COLLECTIVE FARMS—MANAGEMENT

(see also subdivision under Gissar Valley, Gorkiy Province; Pamirs)

Following the path indicated by the party. I. Sokolov. Ekon. sel'khoz. 34 no. 9 46-51 S '63.

[How we raise the economy of our collective farms] Kak my podnimaem ekonomiku nashikh kolkhozov. 2 izd., perer i dop. Moskva, Sel'khozgiz, 1957. 203 p. (Kolkhoznaia ekonomicheskaia biblioteka, no. 6)

Kovalenko, M. I. [Thoughts of a collective-farm chairman] Dumy predsedatelia kolkhoza. Moskva, Sel'khozizdat, 1962. 141 p.

Utilizing material and manpower resources in collective farm production. V. G. Ii. Uch. zap. Tadzh. un. 23 Trudy Kaf. polit. ekon. no. 1:79-128 '59.

COLLECTIVE FARMS—MAPS see subdivision under Dukhovshchina District

COLLECTIVE FARMS—OFFICIALS AND EMPLOYEES

They will understand you. Halina Vasilcuskaia. Rab. i shal. 39 no. 7:9-10 Jl '63.

COLLECTIVE FARMS—PENSIONS

Legal regulation of social security payments to collective farmers. An. Tkach. Rad. pravo no. 1,77-83 Ja-Ag '63.

COLLECTIVE FARMS—PRODUCTION STANDARDS

Setting up standards for tractor work. G. Titov. Komm. Mold. 8 no. 8:24-28 Ag '63.

COLLECTIVE FARMS—STATISTICS

Distribution of collective farms according to the populated areas in the Union Republics for 1961. Vest. stat. no. 10:91 '63.

COLLECTIVE FARMS—VALUATION see subdivision under Syr Darya District

COLLEGE AND SCHOOL JOURNALISM

People are growing. P. Bondarovskaia. Nar. obr. no. 10:80-81 O '63.

To make a wall newspaper interesting. M. I. Tarasenko. Ukr. mova i lit. v shkoli 13 no. 7,65-67 S '63.

COLLEGE SPORTS

Results of the small-scale athletic competitions of students. B. V. Kovalev. Vest. vys. shkoly 21 no. 10 56-57 O '63.

COLLISIONS (NUCLEAR PHYSICS)

Determining the mean cross section of col' electrons and neutral atoms in a weakly mixture. E. P. Zimin, V. A. Popov. PMT 143 S-O '63.

Dissociation of D_2^+ ions in collisions with the energy range 3.5 to 100 kev. S. E. Kupriianov, N. N. Tunitskii, A. A. Perov. Zhur. tekh. fiz. 33 no. 10:1252-1259 O '63.

Quantum theory of weakly non-equilibrium phonon systems in a magnetic field. P. Fiz. tver. tela 5 no. 10:3011-3017 O '63.

COLLISIONS AT SEA—PREVENTION

Technical means of preventing collisions at sea. Bukhanovskii, O. N. Mitrofanov. Biul. tekh. inform. Tekh. upr. Min. mor. flota 7 no. 1

COLLOIDS

Experience in the chromatographic study of starch gels. N. P. Silina, V. I. Nazarov. Zav. lab. 29 no. 4:37-39 '63.

Pasynskii, A. G. [Colloid chemistry] Kolloidnaia khimiia. Pod red. V. A. Kargina. 2. izd. Moskva, Vysshaia shkola, 1963. 296 p.

COLOMBIA—ECONOMIC CONDITIONS

The land of Eldorado. Iu. Gvozdev. Nov. mir no. 43,26-28 O '63.

COLOR

Color transmission and methods for measuring it. R. S. Ioffe, D. A. Shklover. Svetotekhnika 9 no. 10 1-7 O '63.

COLOR CENTERS

Theory of the decomposition of excited color centers in an electric field. Iu. I. Perlin, A. G. Chelan. Trudy po fiz. poluprov. no. 1 3-11 '62.

COLOR IN INDUSTRY

Take care of your sight. Okhr. truda i sots. strakh. 6 no. 11 26-30 N '63.

COLOR MOTION-PICTURE PHOTOGRAPHY—LIGHT FILTERS

Band spectrum dispersion light filter. N. A. Zhurov. Tekh. kino i telev. 6 no. 8 62-63 Ag '62.

COLOR MOTION-PICTURE PHOTOGRAPHY—PRINTING PROCESSES

Continuous printing of film test pieces by the lights of the standard color specifications. I. V. I. Belnaev. Tekh. kino i telev. 6 no. 8 69 Ag '62.

COLOR OF ANIMALS

Characteristics of the pigmentation of sperm whales in the Far Eastern waters [with summary in English]. V. M. Gudkov. Trudy Inst. okean. 71:207-222 '63.

Relationship of the pigmentation of the integument to the surface temperature of the body and the thermoregulatory processes of the animal organism. V. V. Pliaw. Dokl. TSKHA no. 89:233-239 '61.

COLOR SENSE

State of the color field of vision in glaucoma. A. E. Volokitenko. Uch. zap. UEIGB 5 81-90 '62.

COLOR TELEVISION—RECEIVERS

Brightness, contrast and clarity of the image in the basic types of color television receivers. S. V. Novakovskii. Tekh. kino i telev. 6 no. 3 33-40 Mr '62

COLORED GLASS see Glass, Colored

COLORIMETERS

Increasing the precision of measurements with the FEK-N-57 photocolorimeter-nephelometer. V. V. Ronzhin. Priborostroenie no. 10 29 O '63.

COLORIMETRY

Colorimetric study of white substances. E. N. Iustov, O. A. Supko. Svetotekhnika 9 no. 10:7-10 O '63.

Investigating the colorimetric determining of phenols in smoked sausage with the use of 4-aminoantipyrin. V. I. Kurko, E. A. Khmel'nitskii. Izv. vys. uchеb. zav.; pishch. tekh. no. 1 151-153 '64.

Photocolorimetric determination of thiamine [with summary in English]. A. M. Vliev. Apt. delo 12 no. 5:31-36 S-O '63.

Photocolorimetric determining of small quantities of phenol in diphenylol propane. P. M. Bogatyrev, F. A. Naviazhskaia, V. S. Spiridkhina, Lakokras. mat. i ikh prim. no. 4 51-52 '62.

Rapid method for quantitative determining of hydroquinone in polyester acrylates. Iu. A. Kashevarova, V. I. Vanushkina. Lakokras. mat. i ikh prim. no. 5 17 '63.

COLUMBITE

Study of the microhardness of minerals of the columbite-tantalite isomorphous series. S. I. Lebedeva, I. I. Razenkova. Trudy IMGRI. no. 7:113-117 '61.

COLUMNS

Detachable jig for centering and fixing columns during the erection of reinforced concrete tanks. Stroi.

COMBUSTION

[illegible] intensification rate of ammonium [illegible] PMFF no 5 121-125 S-O '63

[illegible] of physical laws of the combustion [illegible] A I Bolshov, V I [illegible] PMFF no 5 97-129 S-O '63

How [illegible] [illegible] monopolies during the com[illegible] A A Zenin PMFF no 1 126-131 S-O '63

Kornilov, V I, and V P Prikhunk. [Fuel and combustion processes] Toplivo i protsessy gorenila Moskva, Transzheldorizdat, 1963. 191 p.

Problems of [illegible] diffusion of coke in combustion. V P Gorin, V I Savchits. Kombinirovannyi, transzheldorizdat, 8 [illegible] 11-16 [illegible] '63.

COMBUSTION GASES—ANALYSIS

Using the [illegible] graphic method for the analysis of [illegible] combustion products. M I Belova, L A, [illegible] anda, Gaz. [illegible] 2 [illegible] no 10 44-47 [illegible] '63.

COMEDY FILMS
(see also subdivision under Ukraine)

Major [illegible] Film studio Mints. Isk. kino 33 no 7 74-81 '63.

The screenplay is not at fault! B. Galanov. Isk. kino 33 no 7 58 '63.

COMETS

Interaction of solar corpuscular streams with comet atmospheres. L. S. Marochnik. Geomag. i aer. 3 no 4 605-615 Jl-Ag '63.

COMMERCE

Briefly on [illegible] Mir ekon i mezhdunar otn. no 10 127-129 '63.

A comeback in the world markets. A. Dedov. Mir ekon i mezhdunar otn. no 10 107-114 '63.

For developing international cooperative trade. T. Kaplan. Vneshtorg. 43 no. 10 23-25 '63.

On interview with Raul Prebisch on the prospects for the International Conference on Trade and Employment. Vop. ekon. 21 no 11 15 N '63.

Problems of the economic effectiveness of foreign trade. G. L. Shagalov. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 5 3-17 S-O '63.

Problems that worry mankind [with summary in English, p. 72] M. Pochkueva, D. Andreev. Vneshtorg. 43 no. 10 26-31 '63.

COMMERCIAL AERONAUTICS see Aeronautics, Commercial

COMMERCIAL AGENTS

Announcements. Vneshtorg. 43 no. 10 56-57 '63.

COMMERCIAL ASSOCIATIONS see subdivision under Great Britain

COMMERCIAL LAW

Legal consultants struggle for economic profitableness. L. Matushevskii. Sov. torg. no. 13 24 Jl '63.

COMMERCIAL POLICY

V. I. Lenin's efforts to preserve the state monopoly of foreign trade. D. M. Kukin. Vop. ist. KPSS 7 no. 10 26-40 O '63.

COMMERCIAL PRODUCTS

Arkhangel'skii, N. A., ed. [Study of manufactured goods; concise course] Tovarovedenie promyshlennykh tovarov, kratkii kurs. [By] P. R. Abramov i dr. Izd 2., perer. Moskva, Gostorgizdat, 1963. 768 p.

[New consumer goods, information bulletin] Nov. tov.; inform biul. no. 7 '63.

COMMUNICATIONS, MILITARY

Introduce new advances more boldly. E. Goreshkov. Voen. vest. 41 no 11:113-115 N '61.

Knowledge and experience helped. V. Gorlunov. Voen. vest. 43 no. 7 96-98 Jl '63.

Toward new successes. N. Kosmodem'ianskii. Voen. vest 41 no. 11 100-102 N '61.

COMMUNISM
(see also subdivision under Azerbaijan; China)

Alliance between the working class and the peasantry is the decisive force in the building of socialism and communism. R. Dadabaev. Uch. zap. Tadzh. un. 23. Trudy Kaf. polit. ekon. no. 1:3-27 '59.

The banner of the October Revolution is the banner of communism. Sov. profsoiuzy 19 no. 20:1-3 O '63.

"Communism and philosophy" by P. N. Fedoseev. Reviewed by O. Davydovych. Rad. pravo no. 4,131-133 Jl-Ag '63.

Communism is our cause. S. A. Antonov. Voen. vest. 41 no. 11,10-11 N '61.

Creation of the material and technical base of communism in the U. S. S. R. and the objectives of the economic development of Kazakhstan. S. E. Tolybekov. Vest. AN Kazakh SSR 18 no. 4 3-12 Ap '62.

The defense of Marxism-Leninism means its creative development. I. Klishin. Komm. Bel. 37 no. 10 22-27 O '63.

The duty of Communists and their historical responsibility. V. Kotionov. Kommunist 40 no 15 68-77 O '63.

Economic and technical foundation of communism is the backbone of communist production relations. P. I Svetlykh. Komm. Ukr. 39 no 10 69-76 O '63.

The first Marxist organization in Russia. V. Mogilevskii. Komm. Ukr. 35 no. 9 86-89 S '63.

For the victory of communist ideals. Sov. potreb. koop. 7 no 8 1-4 Ag '63.

Glowing lights of our life. Dmytro Prylnik. Ukraina no. 21 2-3 N '61.

Highroad of the human race. Nov. vrem. 21 no. 15,1-5 N '63.

How V. I. Lenin's work "What is to be done" should be studied. V. Smirnov. Polit. samoobr. 7 no. 9 107-114 S '63.

In the orbit of communism. Kryl. rod. 11 no. 11:1 N '63.

Interpretation of some problems of scientific communism in the decisions of the CPSU. K. Tkachenko. Komm. Ukr. 39 no. 9 89-91 S '63.

Kugel', S. A. [Laws of the change in the social structure of the society during the transition to communism] Zakonomernosti izmenenila sotsial'noi struktury obshchestva pri perekhode k kommunizmu. Moskva, Ekonomizdat, 1963. 132 p.

Left-wing opportunism is the enemy of Marxism. V. Ivdokimov. Kommunist 40 no. 15 54-67 O '63.

Lukianov, Iu. A. [If a man has stumbled] Esli chelovek ostupilsia. Leningrad, Ob-vo po raspr. polit. i nauchn. znanii RSFSR, 1962. 54 p. (NIC)

Marxism-Leninism is the backbone of the unity of the communist movement. Kommunist 40 no 15 13-17 O '63.

Marxism-Leninism on the noncapitalist development paths of underdeveloped countries and peoples. M. P. Troitskaia. Uch. zap. Tadzh. un. 23. Trudy Kaf. polit. ekon. no. 1:29-16 '59.

Marxist-Leninist program of the communist movement. Kommunist 40 no. 17 12-24 N '63.

The Orthodox Church and the social ideals of communism. N. Gordienko. Nauka i rel. 4 no. 9 23-27 Ag '63.

Pavlov, L. S. [Communism and private property] Kommunizm i lichnaia sobstvennost' Leningrad, Ob-vo po raspr. polit. i nauchn. znanii RSFSR, 1962. 47 p. (MH)

Philosophy of petty-bourgeois hopelessness. Leslie Morris. Kommunist 40 no. 15:48-53 O '63.

Preparations for the Spartakiada should be conducted in an exemplary fashion. Radio no. 10 1-2 O '63.

Propaganda of theory is creative work. Polit. samoobr. 7 no. 9 70-75 S '63.

Recommended methods for a lecture on "Society and the individual, all-round development of the individual." V. E. Davidovich. Vop. metod. prep. marks.-len. filos. v vuz. no. 1,97-112 '63.

The science of communism. A. Kovalev. Kommunist 40 no. 15:108-113 O '63.

Society and the individual. P. M. Nikazov. Uch. zap. Tash. teatr.-khud. inst. no. 5 73-103 '62.

Solidarity despite those who try to break our unity. E. Stepanov. Az. i Afr. seg. no. 11:7-8, 43 N '63.

The sun of communism is rising above our country! Voen. vest. 41 no. 11:3-8 N '61.

Technological progress and problems of ideology. A. Iosifian. Elektrotekhnika 34 no. 9:1-3 S '63.

Thoughts suggested by the anniversary of the October Revolution. Edmund Pszczulkowski and others. Nov. vrem. 21 no. 45 16-20 N '63.

Two phases in the development of the communist socio-economic formation. P. Kurochkin. Komm. Ukr. 39 no. 9 71-79 S '63.

Under the canopy of the October Revolution banners. Sov. potreb. koop. 7 no. 11,1-4 N '63.

[V. I. Lenin and some problems in the theory and practice of building communism. Commemorative 75th anniversary of V. I. Lenin's meeting with the students of Kazan University] V. I. Lenin i nekotorye voprosy teorii i praktiki stroitel'stva kommunizma. K 75-letiiu uchastiia V. I. Lenina v skhodke studentov Kazanskogo universiteta. [Kazan'] Izd-vo Kazanskogo univ. 1962. 293 p. (NIC)

We know that we are right. Nov. vrem. 21 no. 39:7-8 S '63.

We should inculcate love and respect for work. Vest. sviazi 23 no. 8 1-2 Ag '63.

COMMUNISM—BIBLIOGRAPHY see Bibliography—Communism

COMMUNISM AND ART

The art of truth and beauty. P. D. Korin. Mol. komm. no. 10:118-123 O '63.

Broad perspectives. L. Kerbel'. Iskusstvo 26 no. 9:2-3 '63.

Deed of honor. V. Kasilan. Mystatstvo 10 [illegible] Ag '63.

Education of a creative intelligentsia. K. Aklanov. Polit. samoobr. 7 no. 7:109-100 Jl '63.

Every teacher should be armed with it. Nar. [illegible] 113 O '63.

Grandeur of the Soviet man. M. Koleasa. My[illegible] no. 1 5 Jl-Ag '63.

The great mission of artists and writers. Ad[illegible] Part. zhizn' [Uzb.] 8 no. 2 15-20 J '63.

The heroic in life is a source of inspiration. [illegible] Iskusstvo 26 no. 8 2-6 '63.

Ideological work must be on a level with the [illegible] of communist construction. Mystetstvo 10 [illegible] My-Je '63.

In the interest of millions. Mystetstvo 10 [illegible] Ag '63.

Let's train them by means of truth and beauty. Ukr. mova i lit. v shkoli 13 no. 1:3-7 Mr '63.

Moscow artists reorganize their work. Iskusstvo 26 no. 9 4-5 '63.

New kind of artist. P. Shaponshnikov. Iskusstvo 26 no. 6:19-24 '63.

The party guides! M. Pozdniakov. Mystetstvo 10 [illegible] 6-7 Jl-Ag '63.

Sing to the beauty of our life! R. Parmanchin. Isk. 26 no. 9 3-4 '63.

This delights us! T. Levchuk. Mystetstvo 10 [illegible] Ag '63.

Time of great daring. B. Ioganson. Iskusstvo 26 [illegible] 25-26 '63.

To the Central Committee of the Communist Party, the Soviet Union and to Comrade N. S. Khrushchev. Mystetstvo 10 no. 3 1 My-Je '63.

To live and create for the people in the name of [illegible] phant communism. M. Pidhornyi. Mystetstvo 10 no. 4 2-6 My-Je '63.

COMMUNISM AND LITERATURE

Every teacher should be armed with it. Nar. obr. 113 O '63.

Let's train them by means of truth and beauty. Ukr. mova i lit. v shkoli 13 no. 1:3-7 Mr '63.

National and international elements in literature. [illegible] Shabliavs'kyi. Ukr. mova i lit. v shkoli 13 no. 1 3-7 Mr '63.

Party guidance ensures the great achievements [illegible] literature and art. N. Rurchuk. Komm. Ukr. no. 9 43-50 S '63.

Shkerin, M. R. [The Soviet character; literary critical] Sovetskii kharakter; literaturno-kriticheskie stati. Moskva, Sovetskii pisatel', 1963. 293 p.

COMMUNISM AND MOHAMMEDANISM

Let us unmask the efforts of the Mohammedan clergy to find a place in our society. T. Izimbetov. Ateizm 35 no. 10 68-76 O '63.

COMMUNISM AND SOCIETY

Practice and experiment in social life. A. Shcherbina. Polit. samoobr. 7 no. 11 50-55 N '63.

Readers about books. V. Mitrofanov, A. Samsin, V. Kerov. Polit. samoobr. 7 no. 11:130-140 N '63.

COMMUNIST COUNTRIES—COMMERCE

Cotmansky, William. [Economics of socialist foreign trade. Translated from the Czech] Ekonomika sotsialisticheskoi vneshnei torgovli. Moskva, Vneshtorgizdat, 1963. 183 p.

COMMUNIST COUNTRIES—CONSTITUTIONS

Development of the constitutions of socialist countries. IA. V. IAkimovich. Sov. gos. i pravo 33 no. 10:[illegible] O '63.

COMMUNIST COUNTRIES—CHILDREN'S LITERATURE

Books of our friends. L. Lukachevskaia. Inostr. lit. 36 no. 10:112-114 O '63.

COMMUNIST COUNTRIES—COMMERCE—INDIA

India's contacts with the world socialist market. A. Kudin. Nov. vrem. 21 no. 44:22-23 N '63.

COMMUNIST COUNTRIES—ECONOMIC CONDITIONS

The world of socialism and the sphere of capitalism: facts and figures. Komm. Ukr. 39 no. 10:93-96 O '63.

COMMUNIST COUNTRIES—FOREIGN ECONOMIC RELATIONS

New developments in the economic cooperation of socialist countries; our commentaries. Nov. vrem. 21 no. 44:4 N '63.

COMMUNIST COUNTRIES—FOREIGN ECONOMIC RELATIONS—LATIN AMERICA

Latin America and the socialist countries. M. Marsa v Otv. na vop. trud. no. 1:20-27 Ja '63.

COMMUNIST COUNTRIES—FOREIGN RELATIONS

Against a revision of the general line of the communist movement. G. Starushenko. Komm. Ukr. 39 no. 9:12-19 S '63.

COMMUNIST COUNTRIES—HISTORICAL RESEARCH

An information conference of the historians of socialist countries. E. V. Iliritskaia. Vop. ist. 38 no. 10 104-109 O '63.

COMMUNIST COUNTRIES—WOODPULP INDUSTRY

On the road of fraternal collaboration, Conference of the Work Group of the Woodpulp and Paper Industry of the Permanent Commission of the Chemical Industry of the Council for Mutual Economic Aid. Bum prom. 38 no. 9:2 of insert S '63.

COMMUNIST EDUCATION

(see also subdivision under Leningrad; Novogrudok District, Surkhan-Darya Province; Ukraine; Uzbekistan, White Russia)

Brief news. Polit. samoobr. 7 no. 11:142-143 N '63.

Combining ideological training with communist labor. A. Tret'iak. Mor. flot 23 no. 8:3-5 Ag '63.

Communist education of students, the teacher's principal objective. Mat v shkole no. 5:1-4 S-O '63.

Educate active builders of communism. A. Kamshalov. Bibliotekar' no. 9:1-3 S '63.

Education and training are indivisible! A. Levshin. Sem'ia i shkola 18 no. 10 2-3 O '63.

Grades of maturity. IU. Vorchenko, G. Gusev. Mol. kommun. no. 10:26-30 O '63.

In the Central Committee of the Trade Union of Educational Workers of Higher Schools and Scientific Institutions. the Fifth Plenum of the Central Committee on the Training of Students. Vest. vys. shkoly 21 no. 10 57-58 O '63.

Let's carry out the decisions of the plenum of the Central Committee of the CPSU. Geog v shkole 26 no. 5. 2-4 S-O '63.

Let's train a generation worthy of the October! Doshk. vosp. 36 no. 10 1-3 O '63.

Marxism-Leninism, the banner of Soviet science. Nauch. dokl. vys. shkoly, biol. nauki no. 4:7-10 '63.

Moscow. Akademiia obshchestvennykh nauk. [Program for studying the history of the CPSU, for clubs, seminars, and individual students within the system of political education] Programma po izucheniiu istorii KPSS, dlia kruzhkov, seminarov i zanimaiushchikhsia po individual'nym planam v sisteme politicheskogo prosveshcheniia. Moskva, Sotsekgiz, 1963. 61 p.

On the eve of the school year in the system of political education. V. Snastin. Polit. samoobr. 7 no. 9:3-13 S '63.

Political training of students. L. Ivushkina. Shkola-int. no. 5 8-10 S-O '63.

[Program for studying the international position and foreign policy of the U. S. S. R., practice in the building of socialism in the countries of people's democracy, and for studying the world communist, workers', democratic, and national liberation movements; for groups, seminars, and individual plan students] Programma po izucheniiu mezhdunarodnogo polozheniia i vneshnei politiki SSSR, opyta sotsialisticheskogo stroitel'stva v stranakh narodnoi demokratii, mirovogo kommunisticheskogo, rabochego, demokraticheskogo i natsional'no-osvoboditel'nogo dvizheniia, dlia kruzhkov, seminarov i zanimaiushchikhsia po individual'nym planam. Moskva, Sotsekgiz, 1963. 31 p.

[Program for the course "Fundamentals of Marxism-Leninism"; for clubs, seminars and political self-education] Programma kursa "osnovy marksizma-leninizma"; dlia kruzhkov, seminarov i politicheskogo samoobrazovaniia. Moskva, Sotsekgiz, 1963. 53 p.

Put science at the service of the ideological education of the people. S. B. Baishev. Vest. AN Kazakh. SSR 19 no. 9:20-35 S '63.

Revolution is the youth of an era! Sem'ia i shkola 18 no. 11 1 N '63.

Schools of communist labor practice. V. Tarasov. Sov. profsoiuzy 19 no. 19:18-19 O '63.

Study of the history of the CPSU and the development of Marxist-Leninist ideology. S. Murashov, P. Smirnov, I. Chelipov. Kommunist 40 no. 17 59-67 N '63.

Triumph of the Lenin principles of ideological work. M. Semichaevskii. Bibliotekar' no. 10:4-8 O '63.

Work program of trade-union organizations. Sots. obesp. 24 no. 10:1-3 O '63.

COMMUNIST ETHICS

Ethical code and relations between the individual and society. L. Grishanov. Komm. Mold. 8 no. 10:49-59 O '63.

Filonovich, P. E. [Communist ethics; a popular essay] O kommunisticheskoi morali, populiarnyi ocherk. Moskva, Politizdat, 1963. 255 p.

Communisticheskaia partiia Sovetskogo Soiuza. Vysshaia partiinaia shkola. [Program for studying the moral code of the builders of communism; for seminars and study groups as well as for individual study of this theme according to the system for political education] Programma po izucheniiu moral'nogo kodeksa stroitelia kommunizma; dlia kruzhkov, seminarov i zanimaiushchikhsia po individual'nym planam v sisteme politicheskogo prosveshcheniia. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 15 p.

Leninist humanity of the Communists. N. Bikkenin. Kommunist 40 no. 17:40-58 N '63.

Let us devote ourselves to the cause of the party and the idea of communism. D. Pinkhasik. Komm. Bel. 37 no. 9:37-41 S '63.

Love your neighbor, but do not overheat the food. M. Al'tshuler. Nauka i rel. 4 no. 8:62-66 Ag '63.

Moral aspect of the communist. N. Mironov. Voen. vest 41 no. 11 22-26 N '61

Moral education and life. A. Shishkin. Polit. samoobr. 7 no. 7:120-121 Jl '63.

Zakladnaia, V. M., and O. P. Tsetkova. [Already today . . .] Uzhe segodnia. . . [Moskva] Mosk. rabochii, 1963. 133 p.

COMMUNIST PARTIES

Dates, events, and people. Komm. Bel. 37 no. 10:75-77 O '63.

A great example of internationalism. E. Kuskov. Polit. samoobr. 7 no. 11:9-10 N '63.

International significance of the experience of the CPSU. Polit. samoobr. 7 no. 7:128-132 Jl '63.

Khrushchev, N. S. [The national liberation movement, from addresses of 1956-1963] O natsional'no-osvoboditel'nom dvizhenii, iz vystuplenii 1956-1963 gg. Moskva, Izd-vo lit-ry na inostr. iazykakh, 1963. 95 p.

Manasov, M. A. [The struggle of Communist Parties in capitalist countries for the unity of the working class] Bor'ba Kompartii kapitalisticheskikh stran za edinstvo rabochego klassa. Moskva, Vyshaia shkola, 1963. 78 p.
(CStmoR)

Moscow. Akademiia obshchestvennykh nauk. [Problems of the international workers' and national liberation movement at the present-day stage] Voprosy mezhdunarodnogo rabochego i natsional'no-osvoboditel'nogo dvizheniia na sovremennom etape, sbornik statei. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 291 p.

COMMUNIST PARTY see subdivision under Australia, Austria; China; France, Hungary; Indonesia; Norway, Poland; United States

COMMUNIST PARTY OF THE SOVIET UNION

(see also subdivision under Kazakhstan; Tashkent, Turkestan; Ukraine)

All-Union conference of party committee secretaries in enterprises of ferrous metallurgy. Met. i gornorud. prom. no. 5 80-81 S-O '63.

Barsukov, N., ed. [The party's struggle for a great upsurge in the national economy and for the completion of the building of socialism, 1953-1958, questions and answers] Bor'ba partii za moshchnyi pod"em narodnogo khoziaistva, za zavershenie stroitel'stva sotsializma, 1953-1958 godu, konsul'tatsii, metodicheskie sovety. [Moskva] Mosk. rabochii, 1963. 157 p. (V pomoshch' izuchaiushchim istoriiu KPSS)
(MH)

The CPSU is the party of all the Soviet people. Polit. samoobr. 7 no. 7:133-137 Jl '63.

Communist Party of the Soviet Union; figures, facts, documents. Polit. samoobr. 7 no. 7:70-83 Jl '63

Ermolaev, I. D. [Objective principles of the economic policy of the Communist Party in the struggle to build communism] Ob"ektivnye osnovy ekonomicheskoi politiki Kommunisticheskoi partii v bor'be za postroenie kommunizma. Astrakhan', Volga, 1961. 84 p.
(MH)

For militant, efficient ideological work. Voen. vest. 43 no. 7:4-8 Jl '63.

Ideas of communism live and conquer. N. Mironov. Voen. vest. 43 no. 7 9-13 Jl '63.

Indissoluble unity of the party and the Soviet people. E. Babosov. Komm. Bel. 37 no. 10:9-14 O '63.

International significance of the experience of the CPSU. Polit. samoobr. 7 no. 7:128-132 Jl '63.

Kommunisticheskaia partiia Sovetskogo Soiuza. [Statute. Approved by the 22d Congress of the CPSU] Ustav. Utverzhden XXII s"ezdom KPSS. Moskva, 1963. 111 p.

Lenin, V. I. [About the norms of party life and principles of party leadership] Lenin o normakh partiinoi zhizni i printsipakh partiinogo rukovodstva. Moskva, Gospolitizdat, 1963. 500 p.

Leninist rules of party life and the principles of party guidance. V. Pozniak. Komm. Ukr. 39 no. 10, 11-18 O '63.

Moscow. Universitet. Kafedra istorii KPSS otdeleniia vechernikh fakul'tetov. [The struggle of the CPSU to strengthen the union of the laboring class and the peasantry] Bor'ba KPSS za ukreplenie soiuza rabochego klassa i krest'ianstva; sbornik statei. [Moskva] Izd-vo Mosk. univ. 1963. 316 p.
(MH)

New materials on the history of the party organization in the provinces. O. M. Badaeva. Vop. arkh. 8 no. 2:40-52 Ap-Je '63.

Party considerations in documentation and information work. G. Riger. NTI no. 5, 20-23 '63.

The party leads, directs, and guides us. V. Martovitskii. Komm. Bel. 37 no. 9:25-31 S '63.

A party of great accomplishments. V. Piatkovskii. Polit. samoobr. 7 no. 7:68-78 Jl '63.

Reorganization of the party guidance of the national economy is an important means for the successful fulfillment of the program of the building of communism. Polit. samoobr. 7 no. 7, 138-142 Jl '63

The role of authority in society. F. Panfilov. Polit. samoobr. 7 no. 7:47-56 Jl '63

Sixty glorious years. L. B. Gabrielov. Gor. khoz. Mosk. 37 no. 7 1-3 Jl '63.

[Struggle of the party for the completion of the socialist reconstruction of the national economy. Victory of socialism in the U. S. S. R., 1933-1937] Bor'ba partii za zavershenie sotsialisticheskoi rekonstruktsii narodnogo khoziaistva. Pobeda sotsializma v SSSR, 1933-1937 gody, konsul'tatsii, metodicheskie sovety. [Moskva] Mosk. rabochii, 1963. 134 p. (V pomoshch' izuchaiushchim istoriiu KPSS)

A study on the history of the program of the CPSU. A. I. Mirovitskii, K. M. Riabov. Vop. ist. KPSS 7 no. 10 129-132 O '63.

The vanguard of Soviet people. Evg. Blok. Part. zhizn' [Uzb.] 6 no. 2:38-44 F '63.

The whole party organization should be responsible for the behavior of each Communist. K. Solov'ev. Komm. Ukr. 39 no. 9 64-70 S '63.

Zaitsev, V. S., A. A. Timofeevskii, and P. G. Novikov. [The second phase, the CPSU in the struggle for the building of socialism] Na vtorom etape, KPSS v bor'be za postroenie sotsializma. Moskva, Izd-vo "Znanie," 1963. 72 p. (Novoe v zhizni, nauke, tekhnike. Istoriia, no. 15-16)

COMMUNIST PARTY OF THE SOVIET UNION—BIBLIOGRAPHY see Bibliography—Communist Party of the Soviet Union

COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES

Kommunisticheskaia partiia Sovetskogo Soiuza. 9 s"ezd, Moscow, 1920. [Ninth Congress of the Russian Communist Party (Bolshevik), March-April, 1920, minutes] Deviatyi s"ezd RKP (b), mart-aprel' 1920 goda; protokoly. Moskva, Gos. izd-vo polit. lit-ry, 1960. 650 p. (Protokoly i stenograficheskie otchety s"ezdov i konferentsii Kommunisticheskoi partii Sovetskogo Soiuza)

The party program is a guide to action, the 22d Congress of the CPSU and the tasks of atheistic propaganda (to be continued). Nauka i rel. no. 2 3-11 F '62

Zelenova, N. G. [Tenth Congress of the Party and its decisions. Transition to the New Economic Policy, lecture] X s"ezd partii i ego reshenia. Perekhod k novoi ekonomicheskoi politike, lektsiia. [Moskva] Izd-vo Mosk. univ., 1963. 62 p.

COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP

Khanenko, V. S. [What are the responsibilities and rights of a member of the CPSU] Kakie neset obiazannosti i kakie imeet prava chlen KPSS. Moskva, Gospolitizdat, 1963. 76 p. (Bibliotechka molodogo kommunista)

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

(see also subdivision under Bendery; Chernyakhovsk, Czechoslovakia; Ivano-Frankovsk Province; Kalinin Province, Kazakhstan, Kishinev, Kursk Province; Leningrad; Levashi, Daghestan, Lvov Province, Moldavia; Moscow; Samarkand; Saratov; Tashkent Province; Ukraine; Uzbekistan, Vitebsk; Vitebsk Province, White Russia)

Active helpers of the party organizations. D. Salikhov. Part. zhizn' [Uzb.] 6 no. 2:66-69 F '63.

Against the remnants of religion. A. Barkauskas. Polit. samoobr. 7 no. 7:27-28 Jl '63.

All hidden potentialities must be brought into action. A. Abdunabiev. Part. zhizn' [Uzb.] 6 no. 2:19-22 F '63.

The all-Union conference as a seminar for ideological workers. Polit. samoobr. 7 no. 9:14-21 S '63.

Along the right path. V. Frolov, A. Agishev. Part. zhizn' [Uzb.] 6 no. 2:73-78 F '63.

Answers to readers' questions. Agitator no. 16:57-58 S '63.

"Ardent word." M. Berezov. Part. zhizn' [Uzb.] 6 no. 2:92-93 F '63.

The book is a faithful helper of the propagandist; consultation. F. Kashirskii. Agitator no. 16:36-39 Ag '63.

Brief news. Polit. samoobr. 7 no. 7:143-144 Jl '63.

Brief news. Polit. samoobr. 7 no. 9:143-144 S '63.

The collective educates. B. Borisov. Polit. samoobr. 7 no. 11:75-78 N '63.

Current problems of our party. Rab. i sial. 39 no. 7:1 Jl '63.

Decision of the plenum of the Central Committee of the CPSU. Uzbekiston 22 no. 7:2 Jl '63.

Disperse the fog of religious prejudices. V. Razumov. Agitator no. 16:34-35 Ag '63.

Do not tolerate defects. A. Tashturdiev. Part. zhizn' [Uzb.] 6 no. 2:78-80 F '63.

Economic education of agricultural activists. P. Maliavin. Polit. samoobr. 7 no. 11:70-74 N '63.

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK (Continued)

Effective way to help our propagandists. G. Kalilets, P. Udalo, Komm. Bel., 37 no. 9 42-47 S '63

[illegible] Partiinaia zhizn' [Uzb.] no. 2:58-61 F '63

Increase the role of the Lenin Room in the communist education of the people. Partiinaia zhizn' [Uzb.] no. 2:53-58 F '63

A faithful friend of the city laborer. R. Strekalova. Agitator no. 18:36-38 S '63

The fulfillment of responsibility to interested authorities. Partiinaia zhizn' [Uzb.] no. 2:14-18 F '63

Following the Leninist path, on the tenth anniversary of the September Plenum of the Central Committee of the CPSU. S. Sokolov, Vest. stat. no. 9 3-12 '63.

Formation of communism under the guidance of the Leninist Party. B. Tamadilin. Partiinaia zhizn' Uzb. no. 7:60-62 Ap '63.

A great historic anniversary. Ekon. sel'khoz. 34 no. 9 1-10 S '63

A group of lecturers attached to the office of the house manager. M. Matvienko. Partiinaia zhizn' [Uzb.] no. 2:69-71 F '63

Higher level of ideological work among seamen. Mor. flot 23 no. 9 1-2 S '63

Ideological weapon of the party. Sots. obesp. 24 no. 8 1-3 Ag '63

If one find the way to the heart.... S. Parianov. Agitator no. 18 11-12 S '63.

In the Central Committee of the CPSU and the Council of Ministers of the U.S.S.R. Partiinaia zhizn' [Uzb.] no. 2 9-13 F '63.

In the Central Committee of the Communist Party of Uzbekistan. Partiinaia zhizn' [Uzb.] no. 2:31-37 F '63.

In deep with life. IU. Mikhailov. Partiinaia zhizn' [Uzb.] no. 2 51-52 F '63.

Inculcating convictions. T. Panfilova. Politsamoobr. 7 no. 9 102-103 S '63

Isolated muses, a feuilleton. Agitator no. 16, 58-59 Ag '63.

Let a fresh wind blow into secluded corners. M. Iofis. Agitator no. 16:62-63 Ag '63.

Let us improve the guidance of the assistance groups and posts of the party control of industrial enterprises. Komm. Mold. 8 no. 10 26-32 O '63

Letters, information, comments. R. Degonadze and others. Agitator no. 16:60-61 Ag '63.

Letters, information, comments. V. Prishchepa and others. Agitator no. 18:43-45 S '63.

A man remains on duty. IU. Shpakov. Politsamoobr. 7 no. 9 96-98 S '63.

Moral education and life. A. Shishkin. Politsamoobr. 7 no. 7 120-121 Jl '63.

More analysis and generalization. V. Bondarenko. Politsamoobr. 7 no. 7:125-126 Jl '63

More attention to the ideological work! Tekh. sel'khoz. 23 no. 8 1-3 Ag '63.

Nearer to life. G. Gazatullin. Partiinaia zhizn' [Uzb.] no. 2:22-26 F '63.

On the eve of the school year in the system of political education. V. Snastin. Politsamoobr. 7 no. 9 3-13 S '63

Our message should kindle the hearts. N. Gurlad. Komm. Ukr. 39 no. 9 58-63 S '63.

Party and political work for the strengthening of naval discipline. M. V. Fisun. Mor. sbor. 47 no. 11:14-18 N '63

Party news. Partiinaia zhizn' [Uzb.] no. 2:95-96 F '63

Party's concern about the fleet. S. G. Gorshkov. Mor. sbor. 46 no. 7 9-18 Jl '63.

Patriotic tradition is an effective means of education. V. Polyakov. Politsamoobr. 7 no. 9 78-82 S '63.

Perfect machines must be given to cotton growers. P. Mirzaakhmedov. Partiinaia zhizn' [Uzb.] no. 2:28-30 F '63

Plenary session of the Central Committee of the CPSU and our objectives. Sov. iust. no. 13 2-4 Jl '63.

Political education of the masses. Politsamoobr. 7 no. 7:15-22 Jl '63.

A pose of a witness or the boldness of a fighter? IU. Feofanov. Agitator no. 16, 16-18 Ag '63.

Pozharskaia, L. I. [Path to the hearts] Put' k serdtsu. [Leningrad] Lenizdat, 1963. 33 p. (Iz opyta propagandy i agitatsii)

Problems of ideological work and the technical development. Vest. mashinostr. 43 no. 10 3-8 O '63.

Problems of ideological work of the Architect's Union of the U.S.S.R. G. Shemiakin. Arkhit. SSSR no. 8:1-5 '63.

The propaganda motorboat on the Volga River. G. Sergeev, V. Burov. Agitator no. 16:2 Ag '63.

Propaganda of theory is creative work. Politsamoobr. 7 no. 9 70-75 S '63.

A proper way to help our propagandists. Komm. Mold. 8 no. 8:78 Ag '63.

Put into practice the decisions of the June Plenum of the Central Committee of the CPSU! Der. prom. 12 no. 8, 1-2 Ag '63.

Readers' letters. F. Gurnich and others. Politsamoobr. 7 no. 11 83-85 N '63

Readers' letters. Politsamoobr. 7 no. 9 91-94 S '63

Reviews of readers' letters. P. Chagina and others. Politsamoobr. 7 no. 11 90-92 N '63

A review of the periodicals of our fraternal republics. Komm. Mold. 8 no. 10 72-74 O '63.

Schools of communist labor. S. Dmitriev, IU. Smirnov. Politsamoobr. 7 no. 11 66-69 N '63.

Seeds fell on fruitful soil. S. Strashun, IA. Lufer. Agitator no. 18:39-40 S '63.

Some remarks on the seminar. G. Pilgulashvili. Politsamoobr. 7 no. 7:119-120 Jl '63

The strength of propaganda depends on party leadership. Agitator no. 16 3-6 Ag '63.

Study of V. I. Lenin's book "One step forward, two steps backward." A. Zakharikov. Politsamoobr. 7 no. 11 93-99 N '63

There is an increasing interest in self-education. A. Bobylova. Politsamoobr. 7 no. 9 75-77 S '63.

There shouldn't be any backward farms! Agitator no. 18:3-6 S '63.

They direct the work of the seminar. I. Blinov. Politsamoobr. 7 no. 7:124-125 Jl '63

They "helped" Sergei. Nauka i zhizn. 1 no. 8:75-77 Ag '63.

They want to become good people. T. Pecherinikova. Politsamoobr. 7 no. 7:122-124 Jl '63

A two-sided impression. N. Gents. Politsamoobr. 7 no. 7:122 Jl '63.

Urgent tasks of ideological party work; resolution of the Plenum of the Central Committee of the CPSU based on the report of Comrade L. F. Il'ichev, Secretary of the Central Committee of the CPSU, adopted on June 21, 1963. Politsamoobr. 7 no. 7 3-14 Jl '63

We are working at the place of the workers' residence. I. Voronisov, V. Prokhorov. Politsamoobr. 7 no. 7, 108-110 Jl '63.

We should strictly observe Leninist principles in training the officials of the party and the managers of industrial enterprises. D. Belokolos. Komm. Ukr. 39 no. 10:32-38 O '63

What kind of visual aids do the propagandists need. P. Svechnikov. Politsamoobr. 7 no. 7:115-118 Jl '63

Working solidarity. V. Korotkov. Agitator no. 16:30-33 Ag '63.

You must fight for communism. V. Shurygin. Politsamoobr. 7 no. 7:23-25 Jl '63

You should know and love your factory. V. Kalinkin. Politsamoobr. 7 no. 9 82-87 S '63

Zakharov, D. P. [Inculcate progressive practice more widely] Shire vnedriat' peredovoi opyt. [Chelliabinsk] Chelliabinskoe knizhnoe izd-vo, 1961. 40 p. (NIC)

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK—BIBLIOGRAPHY see Bibliography—Communist Party of the Soviet Union—Party work

COMMUNIST REVISIONISM

Marxism against opportunism. A. Butenko. Mol. komm. no. 10:11-25 O '63.

The nature of left-wing opportunism. A. Butenko. Komm. Ukr. 39 no. 10 45-53 O '63.

On revisionism in literature and art. M. S. Grigor'ev. Uch. zap. Tash. teatr. -khud. inst. no. 5, 5-26 '62.

COMMUNIST STATE

Developing the theory of a socialist all-people's state. P. Agzamov, E. Shubenkova, A. Bodrilin. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 4:93-95 Jl-Ag '63.

Moscow. Vsesoiuznyi institut iuridicheskikh nauk. [Development of the Marxist-Leninist theory of the state and law by the 22d Congress of the CPSU] Razvitie marksistsko-leninskoi teorii gosudarstva i prava XXII s"ezdom KPSS. Pod red. N. G. Aleksandrova i S. N. Bratusia. Moskva, Gosiurizdat, 1963, 301 p.

The "state of all people" is a new phase in the development of the socialist state. M. Khakimov. Komm. Uz. 35 no. 9:25-32 S '63.

Study of the topic "Sociopolitical structure of socialism" in a social science course. IU. Todorskii. Politsamoobr. 7 no. 11:100-106 N '63.

Union of the working class and peasantry under the conditions of the all-people's state. G. Smirnov. Politsamoobr. 7 no. 9:58-62 S '63

COMMUNIST YOUTH see subdivision under Bulgaria

COMMUNIST YOUTH LEAGUE
(see also subdivision under Moldavia, Uzbekistan)

Arm in arm. IU. Verchenko. Politsamoobr. 7 no. 7: 32-33 Jl '63.

Authority of the headquarters. M. Dunenkov. Mol. komm. no. 10:14-17 O '63.

Blatin, M. A. [The mission of the Communist Youth League] Komsomol'skoe poruchenie. [Moskva] Molodaia gvardiia, 1963. 46 p. (Komsomol'skomu aktivistu)

Change from childhood. L. Korneshov. Mol. komm. no. 10:98-103 O '63.

Characteristics of the new communities. I. [illegible] komm. no. 10:13-16 O '63.

Communist Youth League, school and family. M. [illegible] leva. Semlia i shkola 18 no. 10 1 O '63.

Happy birthday! A. Khmshalov. Mol. komm. [illegible] O '63.

It shines always, it shines everywhere. N. [illegible] Part. zhizn' [Uzb.] 6 no. 2:26-28 F '63

Lenin's Communist Youth Brigade at construction projects for the transportation industry. V. V. [illegible] Transp. stroi. 12 no. 11-3 N '62.

Militant tasks of the Communist Youth League. [illegible] Nar. obr. no. 10 4-6 O '63.

[Open heart] Raspakhnutoe serdtse. Moskva, Izd-vo "Pravda," 1963. 79 p. (Biblioteka "Komsomol'skoi pravdy," no. 8)

Patriotic initiatives should be given an active support and wide propagation. A. N. Mozhenenko, R. N. [illegible] Mor. sbor. 17 no. 11:10-13 N '63.

Throw the light, "Searchlight of the Communist Youth League!" Tekh. mol. 30 no. 8, 1-3 '62.

Times are shaking hands. V. Bykov. Mol. [illegible] 30-12 O '63.

COMMUNISTS
(see also subdivision under Japan)

A book of sketches on the Communists. D. Dar[illegible] Komm. Mold. 8 no. 10 75-77 O '63.

We shall put into practice the resolutions of the 7th of the Central Committee of the CPSU on the [illegible] aspects of party work. Mor. flot 23 no. 10 [illegible]

COMMUNITY AND SCHOOL
(see also subdivision under Abkhazia; Kalinin; Moscow)

Common task. M. Bogdanova. Doshk. vosp. [illegible] 8 O '63.

Matter of honor. I. Potapov. Doshk. vosp. [illegible] 12 O '63.

School and community. A. Guaev. Nar. obr. no. 10 [illegible] 84 O '63.

When success is achieved. P. Saklakov. Nar. obr. no. 10 71-74 O '63.

COMMUNITY CENTERS see subdivision under Mining towns; Tashkent; Vodzimon'ye

COMMUNITY CENTERS, MOBILE see subdivision under Orel Province

COMMUNITY LIFE

Children and garages. V. Ocheretin. Ogonek 41 [illegible] 25-26 S '63.

COMMUTATION (ELECTRICITY)

Criteria of the commutational strength of d.c. machines. A. S. Kurbasov. Elektrotekhnika 34 no. 9:8-12 S '63

Increase of the current density under the brushes of d.c. machines. V. A. IAkovenko. Elektrotekhnika 34 no. 9, 25-27 S '63.

Performance of the brush contact of electrical machines at increased current densities. A. IA. Gliskin, A. M. Bondachenkov, V. P. Stepanov. Elektrot. khnika 34 no. 9, 20-25 S '63.

Study of a sliding contact during the operation of brushes on carbon-graphite collectors. A. S. Platkov, M. A. Vilkin. Elektrotekhnika 34 no. 9, 17-20 S '63

COMPANION CROPS

Growing corn along with soybean in the northern steppe of the Ukraine. M. I. Ivanchenko. Visnyk sil's'kohosp. nauky 8 no. 4:60-64 Ap '63.

COMPARATIVE PHYSIOLOGY see Physiology, Comparative

COMPETITION, INTERNATIONAL

Tomskii, V. A. [Economic dispute of the two world systems] Ekonomicheskii spor dvukh mirovykh sistem. Moskva, Izd-vo "Znanie," 1963. 45 p. (Novoe v zhizni, nauke, tekhnike. III Seriia: Ekonomika, no 17)

COMPLEMENT FIXATION

Complement fixation reaction as a method of determining the specific activity of antirabic serum and gamma globulin [with summary in English]. M. K. Tolstikova, G. E. Nebolsinova. Trudy TomNIIVS 12:261-265 '61.

Indirect complement fixation reaction in the diagnosis of ornithosis in animals. V. I. Chervonskii. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 [illegible] '61.

Obtaining an antigen for the complement fixation reaction of tick-borne and Japanese encephalitis viruses from tissue cultures. S. IA. Gaidamovich, V. R. Obukhova, E. E. Mel'nikova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:31-33 '61.

Use of the complement fixation test in diagnosing epizootic lymphangitis in horses. T. M. Zabletskii. Trudy Mosk. vet. akad. 12:26-36 '56.

COMPLEX COMPOUNDS

Determination of the number of stereoisomers of complex compounds. I. V. Krivoshei. Zhur. strukt. khim. 4 no. 5:757-761 S-O '63.

Extraction of metal compounds with pyrazolidinedithiocarbamates. V. M. Byr'ko. Trudy Kom. anal. khim. 14:191-201 '63.

COMPLEX COMPOUNDS (Continued)

Extraction of ternary complexes (salts of organic bases with acid complexes of metals) M. M. Tamarkina. Trudy Kom. anal. khim. 14 114-132 '63.

Kinetics of ion exchange processes in the presence of complex-forming reagents. N. N. Matorina and others. Dokl. AN SSSR 152 no. 1,915-918 O '63.

Use of malic acid for the precipitation reactions of metal hydroxides and metal hydroxyquinolinates. I. V. Piatnitskii, G. A. Khomenko. Ukr. khim. zhur. 29 no. 8 554-558 '63.

COMPLEX COMPOUNDS—SPECTRA

Infrared spectra of ester complexes with electron-accepting metal halides. Part 2. D. G. Bystrov. Zhur. struk. khim. 4 no. 5:691-697 S-O '63.

COMPLEXES

Linear physical systems linked with the outer world by communication channels. M. S. Livshits. Izv. AN SSSR. Ser. mat. 27 no. 5:993-1030 S-O '63.

Second International Symposium on the Theory of Graphs. L. D. Kudriavtsev. Vest. AN SSSR 33 no. 10 91-92 O '63.

COMPLEXONS

Complexons of certain metals with N, N, S-mercaptoethylamin triacetic acid studied by the high-frequency titration method [with summary in English]. N. M. Diatlova, B. I. Bakhman. Zhur. anal. khim. 18 no. 7 796-798 Jl '63.

Use of complexons for coulometric titration of thorium [with summary in English]. I. A. TSerkovnitskaia, E. Zhu-tszu [Yeh Ju-chu]. Zhur. anal. khim. 18 no. 7 822-828 Jl '63.

COMPOST

(see also subdivision under Uzbekistan)

Vlasiuk, P. A., and A. V. Manoilik. [Enriched compost] Obogashchennye komposty. Kiev, Gos. izd-vo sel'khoz. lit-ry Ukrainskoi SSR, 1961. 294 p. (MU)

COMPRESSED AIR

Technical consultation. S. B. Perli, V. M. Marokhin. TSement 29 no. 4:22 Jl-Ag '63.

Ways of intensifying the open-hearth method of steel production. M. IA. Medzhibozhskii. Stal' 23 no. 10 922-923 O '63.

COMPRESSED WOOD see Wood, Compressed

COMPRESSORS

(see also subdivision under Penza)

Calculating the feed ratio of a rotary plate compressor. V. P. Ardashev. Izv. vys. ucheb. zav., mashinostr. no. 8:189-190 '63.

Design for an open compressor shop. E. V. Troitskii. Stroi. truboprov. 8 no. 8:8-9 Ag '63.

Fundamentals of the kinematics and dynamics of pulsed hydraulic compressors and pulsed water jets. M. D. Iasitsa. Trudy TSNIIMF no. 41 99-111 '63.

Pressure coefficient of the runners of centrifugal compressors. B. L. Gunbin. Izv. vys. ucheb. zav. i energ. 6 no. 6:99-105 Je '63.

Pressure pickup indicating device for ammonia compressors. V. K. Lemeshko. Khol. tekh. 40 no. 5, 28-30 S-O '63.

Rotary compressors and vacuum pumps with asbestos-base textolite blades. IU. V. Peshti. Khim. mashinostr. no. 3:4-7 My-Je '63.

COMPRESSORS—COOLING

Protection of the electric motor of a compressor from overheating. K. G. Savalin. Vest. sviazi 23 no. 8, 29-30 Ag '63.

COMPRESSORS—MAINTENANCE AND REPAIR

Replacement of valves in the compressors. V. I. Artemenko. Khol. tekh. 40 no. 5 54-55 S-O '63.

CONCRETE

Influence of the forms of aggregates upon the strength of concretes and mortars. D. V. Berezin, V. I. Galaktionov. Stroi. mat. 9 no. 7:15-17 Jl '63.

TSeilon, D. I. [High-strength concretes] Vysokoprochnye betony. Moskva, Gosstroiizdat, 1963. 66 p. (Akademiia stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. Nauchnye soobshcheniia, no. 15)

Wider application of lime-sand products and cementless concretes of autoclave solidification. Biul. stroi. tekh. 20 no. 8:6 Ag '63.

CONCRETE—CORROSION

One of the complex problems of the corrosion of concrete. V. M. Moskvin, G. S. Rolak. Izv. ASIA no. 4:48-53 '61.

CONCRETE—CURING

Electric curing of a mixture and strength of concretes. A. S. Arbent'ev. Stroi. mat. 9 no. 10:39-40, 3 of cover O '63.

Method of increasing the strength and water-tightness of shipbuilding concrete during conditions of its rapid high-temperature curing. A. A. Kudriavtsev, IU. I. Pryshchenko. Sudostroenie 29 no. 9:40-43 S '63.

CONCRETE—DEFECTS

Study of the deformations of lime concrete in autoclave processing. G. N. Sukhov. Stroi. mat. 9 no. 10 36-39 O '63.

CONCRETE—TESTING

Examination of "cold" concrete in structures being used. P. S. Kostiaev. Transp. stroi. 12 no. 3 49-51 Mr '62.

CONCRETE, LIGHTWEIGHT see Lightweight concrete

CONCRETE, PRECAST see Precast concrete

CONCRETE COLUMNS see Columns, Concrete

CONCRETE CONSTRUCTION

Calculation of thermal conditions of a concrete dam for the selection of efficient methods of construction work [with summary in English]. L. A. Vulis and others. Inzh.-fiz. zhur. 6 no. 10:5-8 O '63.

Instruments and methods for determining the coefficient of counter pressure in the concrete of hydraulic structures based on the measurements of the deformation of bodies. V. M. Moiseenko. Trudy OmSKhI 41 63-104 '60.

Sealing cracks in concrete beams with epoxy cement. R. I. Bergen. Avt. dor. 26 no. 10:19-20 O '63.

CONCRETE CONSTRUCTION—COLD WEATHER CONDITIONS

Using salt additives in concrete and earth work conducted in the winter. A. V. Mikhel'son. Stroi. truboprov. 8 no. 9:5 S '63.

CONCRETE CONSTRUCTION—FORMWORK

For thin-walled products. O. A. Savinov, E. V. Lavrinovich, F. G. Braude. Stroi. i arkhit. Len. 25 no. 7:28-30 Jl '63.

Rabinovich, S. G., and A. P. Skvortsov. [Preparation of formwork in industrial construction] Opalubochnye raboty v promyshlennom stroitel'stve. Moskva, Gosstroiizdat, 1963. 311 p. (Seriia prakticheskikh posobii po povysheniiu mastersta v promyshlennom stroitel'stve)

A technical and economic evaluation of the formwork used in the manufacture of reinforced concrete blocks. I. M. Rusakov. Transp. stroi. 12 no. 3 40-42 Mr '62.

CONCRETE CONSTRUCTION—RESEARCH

Newly developed concrete and reinforced concrete structural elements. L. S. Shapiro. Biul. stroi. tekh. 20 no. 10, 38-40 O '63.

CONCRETE FOOTINGS

Precast reinforced concrete foundations for standard columns. S. A. Fradkin. Biul. stroi. tekh. 20 no. 10 43 O '63.

Prestressed foundation beams. Biul. stroi. tekh. 20 no. 10:28 O '63.

CONCRETE MIXERS

The S-630 unit for the application of concrete. IU. P. Chuvaev. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11, 55-57 '63.

CONCRETE PILING

Building bridge supports on bored pilings. G. I. Petrov. Osn., fund. i mekh. grun. 5 no. 4 10-13 '63.

Experiment in the installation of cast-in-place concrete piles in soft, water saturated soils. V. A. Polishchuk. Prom. stroi. 41 no. 9:6-8 S '63.

Pile supports for partitions. G. Chkheidze. Stroitel' 9 no. 10 11 O '63.

CONCRETE PLANTS

Let us give high-quality equipment to the reinforced-concrete-products plants! V. P. Mel'nikov and others. Transp. stroi. 12 no. 3 30-33 Mr '62.

CONCRETE REINFORCEMENT

Effect of the chemical composition on the strength of low-alloy reinforcement steel. R. D. Rusev, S. A. Radoilska. Stal' 23 no. 10, 939-940 O '63.

Level of initial stresses in high-strength reinforcement wire. V. I. Kolkino. Stal' 23 no. 10:954-955 O '63.

CONCRETE ROOFING see Roofing, Concrete

CONCRETE SHIPS see Ships, Concrete

CONCRETE SLABS

Bridge roadbed without ballast. Zhel. dor. transp. 45 no. 10:77 O '63.

CONCRETE WALLS

For thin-walled products. O. A. Savinov, E. V. Lavrinovich, F. G. Braude. Stroi. i arkhit. Len. 25 no. 7:29-30 Jl '63.

Lightweight concrete wall panels for industrial buildings. S. Borovin, G. Pavlov. Stroitel' 9 no. 10:1-4 O '63.

CONCRETIONS

(see also subdivision under Donets Basin)

Morphology and genesis of strontium-bearing barite concretions in the Mangyshlak Peninsula. V. V. Burkov, E. K. Podporina. Trudy IMGRE no. 17:33-46 '63.

CONDENSATE OIL WELLS

Possibility of the existence of a liquid condensate in the gas-condenstation strata of an untapped pool. A. B. Tatarinants. Dokl. AN Azerb. SSR 18 no. 12 33-36 '62.

CONDENSATION

Growing single crystal layers on bismuth by the vacuum condensation method. L. S. Palatnik, V. M. Koscvich, V. M. Moskalev. Fiz. met. i metalloved. 16 no. 3, 403-408 S '63.

CONDENSERS (ELECTRICITY)

"Film capacitors with organic synthetic dielectric" by V. T. Renne. Reviewed by M. M. Lerner, B. M. Tareev, and L. V. IAmanova. Elektrichestvo no. 10 91 O '63.

Short-term electrical strength of chlorinated biphenyl and paper capacitors. D. S. Vaishavskii. Izv. vys. ucheb. zav.; energ. 6 no. 6:120-123 Je '63.

CONDENSERS (ELECTRICITY)—TESTING

Effect of the iron and copper content of paper on the quality of condensers. L. M. Vaisman. Bum. prom. 38 no. 9:21-23 S '63.

CONDENSERS (STEAM)

Experimental investigation of the condensation of inside-coil steam pipes [with summary in English]. P. M. Bridik, A. Kakabaev. Inzh.-fiz. zhur. 6 no. 10 104-108 O '63.

CONDITIONED RESPONSE

Attempt to analyze some of the causes for the different developments of the higher nervous activity in children who are trained in different shifts at school. R. V. Silla. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 30-32 '59.

Characteristics of cortico-subcortical mechanisms of interoceptive and exteroceptive reflexes. I. A. Bulygin. Zhur. vys. nerv. deiat. 13 no. 5 845-858 S-O '63.

Conditioned reflex vomiting in children. O. V. Il'ich. Trudy mol. nauch. sotr. MONIKI no. 1:91-94 '59.

Conditioned reflexes and the training of animals; in motion pictures and on a circus arena. IU. P. Znamenskii. Priroda 52 no. 9:36-44 '63.

Cortical electrical activity during the process of forming and reinforcing motor food and defense conditioned reflexes [with summary in English]. L. G. Voronin, B. I. Kotliar. Zhur. vys. nerv. deiat. 13 no. 5 917-927 S-O '63.

Effect of the injury of the posterior column of the spinal cord on motor and food conditioned reflexes. G. E. Grigorian. Izv. AN Arm. SSR, Biol. nauki 16 no. 7:63-68 Jl '63.

Effect of total chronic irradiation with Co^{60} on conditioned food reflexes in white rats. E. S. Meirerov. Radiobiologiia 2 no. 6:878-882 '62.

I. M. Sechenov on vital function; on the centenary of the publication of his most important work "Brain reflexes." B. T. Malyshev. Vest. Mosk. un. Ser. 8: Ekon., filos. 18 no. 5:52-62 S-O '63.

Physiological analysis of the formation of a lathe operator's working habits in school children [with summary in English]. Z. N. Brika, S. A. Kosilov. Zhur. vys. nerv. deiat. 13 no. 5 928-936 S-O '63.

Posterior limbic cortex and interoceptive reflexes from the stomach and the intestines. A. N. Sovetov. Dokl. AN SSSR 152 no. 4:1012-1013 O '63.

Pruritus provoked by conditioned reflexes. Report No. 2. A. S. Dyshko. Trudy mol. nauch. sotr. MONIKI no. 1:108-203 '59.

Tonic conditioned reflexes as a form of integrated brain activity. E. A. Asratian. Zhur. vys. nerv. deiat. 13 no. 5:781-786 S-O '63.

Typological characteristics of higher nervous activity and milk yield in Bestuzhev cattle. L. I. Domanov, G. M. Grigorian. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:3-11 '61.

CONDUCTOMETRIC ANALYSIS

Amperometric determination of thorium by means of thoron [with summary in English]. I. A. TSerkovnitskaia, E. Zhu-Tsziu [Yeh Ju-chiu]. Vest. LGU 18 no. 16, 135-136 '63.

Amperometric titration of vinyl monomers [with summary in English]. IA. I. Turian, L. N. Kozina. Zhur. anal. khim. 18 no. 9:1120-1124 S '63.

CONE

Theory of uniform convex cones. E. B. Vinberg. Trudy Mosk. mat. ob-va 12:303-358 '63.

CONFECTIONERY

(see also subdivision under Kharkov)

New varieties of baked confectionery goods. V. F. Protsenko, Z. M. Detinin. Khleb. i kond. prom. 7 no. 10:28-32 O '63.

Preservation of praline candies. M. I. Soboleva, M. N. Kostina. Khleb. i kond. prom. 7 no. 10:8-11 O '63.

Use of corn products in the confectionery industry. T. P. Ermakova, A. N. Zheleznyak. Khleb. i kond. prom. 7 no. 10:25-28 O '63.

CONFECTIONERY—ELECTRONIC EQUIPMENT see subdivision under Odessa

CONFECTIONERY—EQUIPMENT AND SUPPLIES

Utilization of the capital assets and calculation of their depreciation in the confectionery industry. V.V. Ar[illegible], Khleb. i kond. prom. 6 no. 1 15-20 Ja '62.

CONFLICT OF LAWS

"Legal cooperation of socialist states." Reviewed by G.K. Matveev. Sov. gos. i pravo 31 no. 10 157-160 O '63

CONFORMAL MAPPING

Regularity at the boundary of solutions to elliptic equations and conformal mapping. V.G. Maz'ia. Dokl. AN SSSR 152 no. 6 1297-1300 O '63.

Stability in Lavrent'ev's theorem on conformal mappings of space. IU.G. Reshetniak. Dokl. AN SSSR 152 no. 2 286-287 S '63

Univalent mappings of plane regions and generalized electrostatic sets of simple ends of the respective region. G.D. Suvorov. Dokl. AN SSSR 152 no. 2 296-298 S '63

CONGLOMERATE see subdivision under Georgia, Kola Peninsula

CONGO (LEOPOLDVILLE)—CATHOLIC CHURCH

Has the Catholic Church in the Congo ceased to serve colonialism? B.I. Sharevskaia. Afr. sbor. no. 1 113-129 '63.

CONGO (LEOPOLDVILLE)—ECONOMIC ASSISTANCE

V. "Marshal Plan for the Congo." N. IUr'ev. Mir. ekon. i mezhdunar. otn. no. 10 122-123 '63

CONGO (LEOPOLDVILLE)—INVESTMENTS, GERMAN

"The Belgian Congo and German Weltpolitik, 1894-1914" [in French] by J. Willequet. Reviewed by K.B. Vinogradov. Nov. i sov. ist. no. 5 154-157 '63

CONGO (LEOPOLDVILLE)—LABOR AND LABORING CLASSES

Workers' condition in the Congo. Mustapha Sarr. Vsem. prof. dvizh. no. 10 16-19 O '63.

CONGO (LEOPOLDVILLE)—POLITICS AND GOVERNMENT

Events in the Congo and the role of the United Nations. V.G. Polikov. Nov. i noveish. ist. no. 5 166-167 '63.

New machinations of imperialists in the Congo. E. Gusarov. Nov. vrem. 21 no. 44 13-14 N '63.

CONGRUENCES (GEOMETRY)

Adjunction of a focal pair T and Θ to a given initial congruence. G.N. Makeev. Izv. vys. ucheb. zav., mat. no. 5 63-70 '63.

CONIFERAE, FOSSIL see subdivision under Tunguska Basin

CONJUGATION (CHEMISTRY)

Obtaining polyconjugated systems by interaction of α,β-dibromides with calcium oxide. IA.M. Paushkin, M.S. Akutin, S.A. Nizova. Neftekhimiia 3 no. 4 515-517 Jl-Ag '63

CONJUNCTIVA—SURGERY

Examination of the moisture in a conjunctival sac produced by surgery. G.V. Legeza. Uch. zap. UEIGB 5 156-161 '62.

Late results of surgical treatment of grave synechiae of the palpebral conjunctiva with the bulbar conjunctiva. G.V. Legeza. Uch. zap. UEIGB 5 147-155 '62.

CONJUNCTIVITIS

Clinic testing of deoxyribonuclease in adenovirus conjunctivitis. N.I. Morozkin, R.IA. Khersonskaia. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2 102-107 '63.

Infectious conjunctivitis in chicks and measures for its control at the Baku Poultry Plant. F.B. Shirinov. Sbor. rab. mol. uch. VNIIP no. 4 210-221 '62

CONJUNCTIVITIS, GRANULAR

From the pages of the press. Sov. Soiuz no. 8 '63.

CONNECTING RODS—TESTING

Investigating the strength of the connecting rod of slab[illegible] and others. Vest. Mashinostroi. 43 no. 6 9-11 Ag '63.

Popov, S.A. [Structural elements of aluminum alloys] Stroitel'nye konstruktsii iz aliuminievykh splavov. Moskva, Izd-vo "Vysshaia shkola," 1963. 226 p.

CONSTRUCTION EQUIPMENT—BIBLIOGRAPHY see Bibliography—Construction equipment

CONSTRUCTION EQUIPMENT—COLD WEATHER OPERATIONS

Machines for work in the winter. V.V. Pokrovskii. Stroi. truboprov. 8 no. 9 4 S '63

CONSTRUCTION EQUIPMENT—EXHIBITIONS

Instruments and equipment at the Exhibition of the Achievements of the National Economy of the U.S.S.R. T. Filina. Stroitel' 9 no. 10 22-26 O '63.

Reorganization of the division "Stroitel'stvo" of the Exhibition of Achievements of the National Economy of the U.S.S.R. Biul. stroi. tekh. 20 no. 8 14 Ag '63.

CONSTRUCTION EQUIPMENT—MAINTENANCE AND REPAIR

Electric impulse method of hard facing parts being reconditioned. V.R. Ronit. Transp. stroi. 12 no. 3 35-36 Mr '62

Experimental application of the industrial method of repairing building machines. P.K. Morozov, Z.E. Kerman. Mekh. stroi. 20 no. 8 19-22 Ag '63

Problems of the technical and economic analysis of the repair of E-652 excavators. K.P. Chudakov, V.A. Prokof'ev. Mekh. stroi. 20 no. 8 17-18 Ag '63.

CONSTRUCTION EQUIPMENT—TRANSPORTATION

Particulars for transporting pipes and other loads under winter conditions. L.F. Smitiuk. Stroi. truboprov. 8 no. 9 3 S '63.

CONSTRUCTION INDUSTRY
(see also subdivision under Kazakhstan, Kiev, Krasnodar; Leningrad, Leningrad Province, Maritime Territory; Moscow, Polotsk; White Russia)

Abolishment of the Academy of Construction and Architecture of the U.S.S.R. and the Academy of Construction and Architecture of the Ukrainian S.S.R. Biul. stroi. tekh. 20 no. 10 34-35 O '63

"Auxiliary buildings and premises of industrial enterprises. Design standards." Biul. stroi. tekh. 20 no. 8 7-10 Ag '63.

Brief news. Stroitel' 9 no. 10 31 O '63.

Brief news. Transp. stroi. 12 no. 3 62-64 Mr '62

Builder's Day. Stroi. truboprov. 8 no. 8 1-2 Ag '63.

Builders from 46 countries. Sov. Soiuz no. 9 52 '63.

Decisions of the 22d Congress of the CPSU and challenges for the science of construction and architecture. Izv. AS i A no. 4 3-11 '61.

Establishing the volume of work done by efficiency experts. A. Erokhin. Stroitel' 9 no. 10 30 O '63.

In the Executive Committee of the Leningrad Soviet. Stroi. i arkhit. Len. 25 no. 7 p. 3 of cover Jl '63.

In the State Committee on Construction of the Council of Ministers of the U.S.S.R. Biul. stroi. tekh. 20 no. 8 30-32 Ag '63.

In the State Committee on Construction of the Council of Ministers of the U.S.S.R. Biul. stroi. tekh. 20 no. 10 29-34 O '63.

In the State Committees on Construction of the Union Republics. Biul. stroi. tekh. 20 no. 8 33-34 Ag '63.

Lenin's Communist Youth Brigade at construction projects for the transportation industry. V.V. Golubovskii. Transp. stroi. 12 no. 3 1-3 Mr '62

Problems of the organization of the State Production Committee on Assembly and Special Construction Work of the U.S.S.R. Biul. stroi. tekh. 20 no. 8 1-2 Ag '63.

Procedure for determining the annual economic effect achieved as a result of the introduction of new construction machinery. Biul. stroi. tekh. 20 no. 10 4-5 O '63.

Results of socialist competition among construction workers employed by the transportation industry. Transp. stroi. 12 no. 3 3-4 Mr '62

Some technical and economic indicators of the assembly of three-dimensional roofs. R.A. Grebennik. Prom. stroi. 41 no. 9 33-38 S '63.

Valuable manual on the calculation of the economic effectiveness of the mechanization and automation of construction. N. Konfuka. Mekh. stroi. 20 no. 8 28-30 Ag '63.

What shortening the period of construction means for the national economy. T. Bul'ba. Polit. samoobr. 7 no. 9 63-65 S '63.

CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION (see also subdivision under Vilnius)

From a design to the finished house. V. TSingalenok. Sov. profsoiuzy 19 no. 20 21-22 O '63.

CONSTRUCTION INDUSTRY—COSTS
(see also subdivision under Karaganda Province, Shakhtinsk)

Elimination of unproductive expenditures as a potential for lowering costs. V.I. Arkhipov and others. Transp. stroi. 12 no. 3 48-50 Mr '62

CONSTRUCTION INDUSTRY—DESIGN AND CONSTRUCTION

Solve the problems in the design and construction of temporary buildings and structures. Biul. stroi. tekh. 20 no. 10 5-6 O '63

CONSTRUCTION INDUSTRY—FINANCE see subdivision under Karaganda Province

CONSTRUCTION INDUSTRY—LABOR PRODUCTIVITY see subdivision under Karaganda Province

CONSTRUCTION INDUSTRY—MANAGEMENT

An economist of a country? I. Semchenok. Sov. Kazakh. 21 no. 8 90-91 Ag '63.

Great responsibility. V. Borisov. Stroitel' 9 no. 10 1-2 O '63.

Main task in labor management. [illegible]. Stroitel' 9 no. 10 30 O '63.

Procedure for approving construction titles. Biul. stroi. tekh. 20 no. 10 1-4 O '63.

Reznik, I.S. [Present state, efficiency, and ways of the mechanization of design and construction work] Sostoianie, effektivnost' i perspektivy mekhanizatsii proektno-konstruktorskikh rabot; stenogramma dok. na Vsesoiuznom soveshchanii po mekhanizatsii inzhenernogo i upravlencheskogo truda v proekt. i stroitel'stve. Leningrad, 1963. 22 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serila: Mekhanizatsiia inzhenernogo i upravlencheskogo truda)

CONSTRUCTION INDUSTRY—PRODUCTION STANDARDS

Accurately determine the obligations of efficiency experts. A. Oboimov. Stroitel' 9 no. 10 30 O '63.

Concerning the rights and obligations of [illegible] experts (draft regulations). S. Mitin. Stroitel' no. 10 27-29 O '63.

Regulations for efficiency experts are approved. V. Zhigas. Stroitel' 9 no. 10 30 O '63.

CONSTRUCTION MACHINERY OPERATORS
(see also subdivision under Ukraine)

Nikolai Smeshniuk, bulldozer operator. K. [illegible]. Mekh. stroi. 20 no. 8 4-5 Ag '63.

CONSTRUCTION WORKERS
(see also subdivision under Almalyk; Tallinn)

Conscience of an engineer. V. Pavlov. Ogonek 41 no. 37 20-21 S '63.

He who moves the mountains, Viktor Shekotov. Rabochii no. 13, 7-8 Je '61.

CONSUMPTION (ECONOMICS)

"Seasonal factors in the retail trade and consumption," edited by N.K. Druzhinin. Reviewed by L. Lavrova, V. Baburin. Vest. stat. no. 10 73-75 '63.

CONTAINERS

Sbor, IU.M., ed. [Containers for shipment] Tara, dlia tarn. [By] V.I. Shkul'tin i dr. Moskva, Gos. izd-vo bumizdat, 1963. 436 p.

CONTAINERS—ABSTRACTS

[Container shipments and the interaction of various types of transportation] Ref. zhur.: Vzaimodeistv. raz. vidov transp. i kont. perev. no. 11 N '63.

CONTINUOUS CASTING

Primary structure of a continuous ingot of silicon steel. V.I. Dankin and others. Izv. vys. ucheb. zav.; chern. met. 6 no. 9 62-67 '63.

Prospects for expanding the continuous casting of steel. B.V. Fittlev, S.V. Gubert, A.I. Osipov. Stal' 23 no. 8 689-692 O '63.

CONTRACTS

"Commercial contracts in the U.S.S.R." by V.N. Mozzhukhin. Reviewed by V. Luts'. Rad. pravo no. 6 134-137 Jl-Ag '63.

General features of a contract according to Soviet civil law. O. Usmanov. Uch. zap. Tadzh. un. 78 Trudy fak. politi. ekon. no. 1 129-148 '60.

CONTRACTS, AGRICULTURAL

Liability of purchasers for the execution of contracts for the delivery and purchase of agricultural products. A. Volkov. Sov. iust. no. 13 11-13 Jl '63.

CONVALLATOXIN

Comparative sensitivity of the isolated heart of grass and lake frogs to g-strophanthin and convallatoxin. T.IA. Cherikovskaia. Sbor. nauch. trud. TSANII 3 118-120 '62.

CONVERTERS

Testing spinel bricks in the lining of converters with an oxygen blow. A.I. Liudvinskii and others. Izv. vys. ucheb. zav.; chern. met. 6 no. 8 161-163 '63.

CONVERTERS—DESIGN AND CONSTRUCTION

Mounting structural elements of an oxygen-blown converter assembly plant. A. V. Shugal. Prom. stroi. 41 no. 8 2-6 S '63.

CONVEYING MACHINERY
(see also subdivision under Ul'yanovsk)

Chernenko, L. D., and IA. G. Shtepan. [Mechanization of finishing and conveying in industrial enterprises abroad] Mekhanizatsiia pod"emno-transportnykh rabot promyshlennykh predpriiatii, zarubezhnyi opyt. Kiev, In-t tekhn. informatsii, 1963. 304 p.

Conditions for the maximum continuous control of the relationship of the components of minerals. B. S. Kobakov. Nauch. trudy KHGI 11 52-53 '62.

Conveyer for small-lot goods sewing with automatic feeding of semifinished products to the workers' stations. Shveia prom. no. 3 36-37 Je-Jl [i.e. My-Je] '63.

Device for automatic stopping of a conveyor. M. M. Tendler. Les. prom. 40 no. 5 19 My '62.

Device for continuous control of the feeding of a bucket conveyor. D. G. Segeda. Trudy VNIIZ no. 14 115-120 '63.

Modernized standard KPShO-3 conveyor. M. M. Lakhno. Leb. prom. no. 3 44-45 Jl-S '63.

Mold conveyor system for steel foundries. I. P. Petrenko. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10-20-21 '63.

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut pod"emno-transportnogo mashinostroeniia. [New and proposed hoisting and conveying machines and mechanisms] Novye i perspektivnye pod"emno-transportnye mashiny i mekhanizmy. Moskva.
Nos 2-3. 1960. 237 p.
[MICROFILM]

Selecting optimum theoretical law of motion for the trough of an inertia conveyor. E. V. Efimova. Izv. vys. ucheb. zav., mashinostr. no. 8 133-141 '63.

Vibrating conveyors for intrashop transportation of phosphate raw materials. V. K. D'iachkov. Khim. prom. no. 7 545-549 Jl '63.

CONVEYING MACHINERY—ELECTRIC DRIVING

Some regularities in transporting by vibrating conveyors with nonsymmetrical characteristics of the elastic couplings. I. F. Goncharevich, N. G. Sakhno. Nauch. soob. IGD 18 144-150 '63.

CONVEYING MACHINERY—SAFETY MEASURES

Improving the shielding of belt and chain conveyors. G. M. Dobrunov. Der. prom. 12 no. 8, 14-15 Ag '63.

CONVULSIONS

Neural substratum of epileptiform audiogenic reactions in rats. B. I. Kotlier. Nauch. dokl. vys. shkoly, biol. nauki no. 4 62-68 '63.

COOKERY

Cookery. Rab. i sial. 39 no. 7:24 Jl '63.

Cookery. Rab. i sial. 39 no. 9:24 S '63.

COOKERY (FISH)

Maslov, L., R. Bikke, and M. Rklitskii. [Fish dishes] Rybnye bliuda. Moskva, Gos. izd-vo torgovoi lit-ry, 1958. 143 p. (Biblioteka povara)
(WaU)

COOKERY (GARNISHES)

Bikke, R. P., and A. I. Vorob'ev. [Decoration and serving of food] Oformlenie i otpusk bliud. Moskva, Gostorgizdat, 1963. 135 p. (Biblioteka povara)

COOLING

Effect of current pulsations on the characteristics of thermoelectrons of semiconductors in cooling and heating devices. V. A. Naer, V. A. Semeniuk. Izv. vys. ucheb. zav., energ. 6 no. 6:31-37 Je '63.

COOLING TOWERS

Prevention of ice formation on water cooling towers. V. I. Gorbenko. Energetik 11 no. 11:16-17 N '63.

Redesigning of the drop sprinkler of a cooling tower. V. I. Gorbenko, G. P. Gavriushchenkov. Energetik 11 no. 10 14-15 O '63.

COOPERATIVE EDUCATION see Education, Cooperative

COOPERATIVE SOCIETIES
(see also subdivision under Bashkiria; Bukhara Province, Germany, West; Lvov Province; Shegarskiy District; Transbaikalia; Ust'-Labinsk District; Uzhur District)

Criticism and bibliography. Sov. potreb. koop. 7 no. 8: 61-62 Ag '63.

Diplomas and medals of the exhibition. Sov. potreb. koop. 7 no. 11:28-31 N '63.

Editor's mail. Sov. potreb. koop. 7 no. 8:22-26 Ag '63.

The editor's mail. Sov. potreb. koop. 7 no. 11:40-41 N '63.

For developing international cooperative trade. T. Kaplun. Vnesh. torg. 43 no. 10:23-25 '63.

For the victory of communist ideals. Sov. potreb. koop. 7 no. 8:1-4 Ag '63.

Hidden potentialities for reducing expenditures on state deliveries of wool. N. Pisarenko. Sov. potreb. koop. 7 no. 8 37-39 Ag '63.

Peoples stores are gaining momentum. S. Eidlina, L. Kaganovskii. Sov. potreb. koop. 7 no. 11 33-34 N '63.

Provide for a reliable source of raw materials for the canning plants of consumers' cooperatives. N. I. Usachev. Kons. i ov. prom. 18 no. 10 1-2 O '63.

Under the canopy of the October Revolution banners. Sov. potreb. koop. 7 no. 11 1-4 N '63.

Wholesale operations of consumer cooperatives. V. Barnikov. Sov. knizh. torg. 15 no. 10:27-28 O '63.

COOPERATIVE SOCIETIES—AUDITING AND INSPECTION see subdivision under Barabinsk District

COOPERATIVE SOCIETIES—COSTS

Marketing costs in a cooperative society. B. Buchkin, N. Smotrina. Sov. potreb. koop. 7 no. 11 55-61 N '63.

COOPERATIVE SOCIETIES—LAW

Operational law of cooperative societies. IA. Glikin. Sov. potreb. koop. 7 no. 8 16-18 Ag '63.

COOPERITE

Size of the unit cell of cooperite. S. I. Nudel'man, V. A. Frank-Kamenetskii. Rent. min. syr. no. 2:105-107 '62.

COORDINATES

Reconnaissance of sound targets. B. Gorodetskii, E. Lagunov. Voen. vest. 13 no. 7 82-85 Jl '63.

COORDINATION COMPOUNDS

Nature of the coordination compounds formed by boron and diborane halides in ether solutions. T. A. Shchegoleva, V. D. Sheludiakov, B. M. Mikhailov. Dokl. AN SSSR 152 no. 4:888-891 O '63.

COPEPODA see subdivision under Pacific Ocean

COPPER

Generalized formulas for calculating cables of track circuits for minimum copper content. A. D. Shumilov. Sbor. trud. LIIZHT no. 179 9-14 '61.

Studying the effect of the copper base structure on the adhesion to it of polyurethane coatings. D. S. IAkubovich, A. T. Sanzharovskii, P. I. Zubov. Lakokras. mat. i ikh prim. no. 5:30-33 '63.

COPPER—HARDENING

Burnishing as a means for increasing the hardness of collector copper. IU. N. Vinogradov, S. O. Knizhnik, N. N. Androsov, Elek. i tepl. tiaga 7 no. 10, 11-12 O '63.

COPPER—METALLOGRAPHY

Electron microscopy of the shearing fatigue band structure in copper and armco iron. N. E. Potaklin. Fiz. met. i metalloved. 16 no. 3:189-490 S '63.

COPPER—STANDARDS

Reviewing standards for copper. V. A. Melkonian. Standartizatsiia 27 no. 8:24-26 Ag '63.

COPPER—TESTING

Plastic tension of copper at various speeds and temperatures. A. E. Grishkevich, N. F. Kunin. Fiz. met. i metalloved. 16 no. 3:127-434 S '63.

COPPER—THERMAL PROPERTIES

Recovery of induced thermal forces in copper deformed at various speeds. N. F. Kunin, A. S. Nilov. Fiz. met. i metalloved. 12 no. 6:921-923 D '61.

COPPER-ALUMINUM ALLOYS see Aluminum-copper alloys

COPPER COMPOUNDS

Electron spectra of binary diazonium salts of bivalent copper and cobalt. L. A. Kazitsyna and others. Zhur. ob. khim. 33 no. 10:3243-3248 O '63.

COPPER CRYSTALS

Diffusion and double Bragg scattering by copper polycrystals. V. I. Iveronova, A. A. Katsnel'son. Kristallografiia 8 no. 3:463-465 My-Je '63.

Effect of admixtures and heat treatment on ultrasound absorption in copper single crystals. I. H. Polota'kyi, V. F. Taborov. Dop. AN URSR no. 12:1606-1609 '61.

COPPER GERMANATE

Countercurrent precipitation of copper germanate. N. S. Fortunatov, L. E. Slobtsov, I. A. Leont'eva. Ukr. khim. zhur. 29 no. 8:864-868 '63.

COPPER ORES

Comparing the floatability of chalcocite, digenite, betekhtinite, bornite and galenite. S. I. Mitrofanov, A. V. Kurochkina. Izv. AN SSSR, Met. i gor. delo no. 5:152-153 S-O '63.

COPPER OXIDE CRYSTALS—ABSORPTION SPECTRA

Origin of new lines in the absorption spectrum of copper oxide crystals [with summary in English]. N. V. Starostin. Vest. LGU 18 no. 16:38-40 '63.

COPPER SELENITE

Thermal decomposition of copper selenite. A. I. Maier, K. K. Samplavskaia, N. M. Selivanova. Zhur. prikl. khim. 36 no. 8 1659-1664 Ag '63.

COPPER SULFATE

Use of copper sulfate for controlling filamentous algae and water bloom in fishponds. H. I. Shpet, Z. O. Makina, N. M. Khaytonova. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb hosp. 11:12-17 '62.

COPPER SULFATE—PHYSIOLOGICAL EFFECT

Increasing the apomorphine effect with zinc or copper sulfates in the treatment of chronic alcoholism [with summary in French]. A. V. Zavialov. Zhur. nevr. i psikh. 63 no. 2 284-287 '63.

COPPER SULFIDES

Some properties of β-Cu_2S. N. A. Gasanova. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekh. nauk no. 3:91-94 '63.

COPYING PROCESSES

"Tekhnokopii" is a rapid and convenient method for document duplication. M. I. Shor. Tekh. kino i telev. 8 no. 3:60-61 Mr '62.

"Termokopir," a thermocopying machine. V. A. Kal'manson, G. G. Zlotnikov, V. V. Kas'ianov. NTI no. 7, 30-32 '63.

CORAL SEA—OCEAN CURRENTS

Surface currents in the Solomon Sea. B. G. Popov. Okeanologiia 3 no. 4 599-605 '63.

COREMAKING

Automatic coremaking in founding. E. A. Bloshtein. Avt. prom. 29 no. 8 14-16 Ag '63.

Casting aluminum alloys in permanent molds using shell-molded cores. B. A. Arbuzov, A. M. Gorbunov. Altum. splavy no. 1 160-176 '63.

Standardization of core boxes. V. A. Skazhennik. Standartizatsiia 27 no. 8:16-18 Ag '63.

CORN (MAIZE)
(see also subdivision under Malaya Viska District; Ukraine)

Distribution of the solar radiation in corn plantings. V. A. Shablevskaia. Meteor. i gidrol. no. 11 31-34 N '63.

Dynamics of the accumulation of basic nutrients in corn plants at various growth stages. A. S. Musiiko, N. A. Solov'eva, P. F. Kliuchko. Nauch. trudy Vses. sel.-gen. inst. no. 5:123-130 '62.

Effect of microelements on the growth, development, and disease resistance of corn. N. A. Cheremisinov, N. I. Vandysheva. Nauch. dokl. vys. shkoly, biol. nauki no. 4 157-158 '63.

Effect of the pH of the medium on amino acid metabolism in corn plants. S. S. Andreenko, N. D. Alekhina, E. D. Shirshova. Nauch. dokl. vys. shkoly; biol. nauki no. 4 152-156 '63.

Germination and respiration intensity of corn seeds irradiated by CO^{60} gamma rays in an air-dry state. N. V. Romenskii and others. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:17-19 '63.

Our contest, "Giant ear." IUn. nat. no. 2:30-31 F '63.

Procedures for converting corn cobs to grain corn. G. Makhov. Vest. stat. no. 10:61-66 '63.

The SKNK-6 corn planter. S. Pivovar. Tekh. v sel'khoz. 23 no. 6:38-40 Je '63.

Stimulation of photosynthesis and the Hill reaction in the leaves of corn grown from seeds treated with simazine and atrazine. S. M. Mashtakov, R. A. Prokhorchik. Dokl. AN BSSR 7 no. 10:700-703 O '63.

Structure of spikelet glumes and flowering glumes in male and female inflorescences of corn. I. A. Palamarchuk. Nauch. dokl. vys. shkoly, biol. nauki no. 4:110-115 '63.

Utilization of the basic assets of corn processing enterprises. N. A. Petrova, N. V. Romanova. Trudy VNIIZ no. 41:95-100 '63.

CORN(MAIZE)—DISEASES AND PESTS

Andreeva, G. A. [Recommendations for controlling the principal pests and diseases of corn] Rekomendatsii po bor'be s osnovnymi vrediteliami i boleznami kukuruzy. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1963. 20 p.
(DNAL)

CORN (MAIZE)—FERTILIZERS AND MANURES
(see also subdivision under Ukraine)

Characteristics of mineral nutrition in corn [with summary in English]. N. E. Mishustina. Izv. AN SSSR, Ser. biol. 28 no. 5:755-762 S-O '63.

CORN (MAIZE)—HARVESTING
(see also subdivision under Stavropol Territory)

Characteristics of silage as related to the harvesting time of corn. M. I. Kuz'min. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:135-138 '61.

Coupling the "Khersonets-3" and Sk-3 combines. IU. Mal'tsev. Tekh. v sel'khoz. 23 no. 6:55-57 Je '63.

Germinative capacity and productive qualities of seed corn harvested at various ripening stages. A. S. Musiiko, P. F. Kliuchko, G. P. Pikus. Nauch. trudy Vses. sel.-gen. inst. no. 5:115-122 '62.

CORN (MAIZE)—VARIETIES
(see also subdivision under Bezenchuk)
From the biography of "Tsarevitsa." Lev Udasin. Znan. sila 33 no. 5 54 My '63

CORN AS FEED
(see also subdivision under Kazakhstan)
Digestion in cows fed corn silage as a substitute for hay. M. M. Mikhailova. Trudy VIZH 21 218-222 '62.
Digestion processes in sheep fed on silage enriched with carotene. N. D. Likhonosova. Trudy VIZH 24 211-217 '62.
Feeding cattle with corn is most profitable. A. V. Sokolov. Dokl. i soob. VNIESKH no. 16 140-147 '63.
Reducing expenditures for corn ensilage and the preparation of straw for feeding. L. P. Nikol'skaia. Dokl. i soob. VNIESKH no. 16 76-79 '63.

CORN BREEDING
Effect of pollination methods and pollination with foreign pollen on the setting of seeds and viability of corn progeny. I. G. Pikalo. Izuch. truda Vses. sel.-gen. inst. no. 5:16-22 '62.

CORN MEAL
Technological flow sheet for the processing of corn kernels with germ separation. S. M. Zolotarev. Trudy UkrNIISP no. 3:49-62 '59.

CORN OIL
Oil extraction from corn kernels in the distilling industry. A. F. Polozhishnii, A. G. Zabrodskii. Trudy UkrNIISP no. 5:35-48 '59

CORN PRODUCTS
Use of corn products in the confectionery industry. T. P. Ermakova, A. N. Zheleznik. Khleb. i kond. prom. 7 no. 10 25-28 O '63.

CORNEA—DISEASES
Aseptic experimental keratitis in rabbits. IA. E. Belovodskaia. Uch. zap. UEIGB 5 224-229 '62.
Effect of tissue preparations on the cholinesterase activity of the blood in rabbits in herpetic keratitis. L. S. Zholnerovich. Uch. zap. UEIGB 5 246-249 '62.
Late results of the treatment of herpetic keratitis. G. V. Panfilova. Uch. zap. UEIGB 5 195-197 '62.

CORNEA—INNERVATION
State of the corneal nerves in burns of the eye. A. I. Popova. Trudy mol. nauch. sotr. MONIKI no. 1 70-72 '59.

CORNEA—SURGERY
Homoplastic transplantation of cartilage from the ear to the cornea. V. V. Volno-IAsenetskii. Uch. zap. UEIGB 5 73-80 '62.

CORNEA—TRANSPLANTATION
(see also subdivision under Ukraine)
Complete transplantation of the cornea with the scleral margin in coarse cicatricial staphylomas and ectatic cataracts. N. A. Puchkovskaia. Uch. zap. UEIGB 5:26-45 '62.
Experimental data on the swelling of isolated cornea. I. S. Zbandut. Uch. zap. UEIGB 5 219-223 '62.
Role of immune and allergic reactions in the taking of a graft and conditions of their manifestation in keratoplasty. V. V. Volno-IAsenetskii. Uch. zap. UEIGB 5:52-72 '62.
Transplantation of the cornea in amblyopic eyes with cataracts in adult persons. V. P. Milovanova. Uch. zap. UEIGB 5:46-51 '62.

CORNSTARCH
Method for the separation of corn starch as related to its biochemical properties. A. P. Pisanskii. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:24-29 '63

CORONARY HEART DISEASE
Treatment of chronic coronary insufficiency with nicotinic acid by the electrophoretic method. G. F. Gurov. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 4 297-299 Jl-Ag '62.
Use of exercise therapy in coronary insufficiency. A. A. Fedoseev. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 4 325-329 Jl-Ag '62

CORONARY VESSELS
Frol'kis, V. V., and others. [Coronary blood circulation and experimental myocardial infarct] Koronarnoe krovoobrashchenie i eksperimental'nyi infarkt miokarda. Kiev, Gosmedizdat USSR, 1962. 454 p. (DNLM)

CORONARY VESSELS—DISEASES
Collateral blood circulation in the heart in coronary atherosclerosis. K. A. Gornak. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:5-6 '61.

CORPULENCE
Method of exercise therapy in the treatment of corpulence at a seaside health resort. A. F. Poroshin. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 4:358-359 Jl-Ag '62.

CORRELATION (STATISTICS)
Correlative analysis of physiological processes. L. N. Mishin. Prim. mat. metod. v biol. no. 2:94-99 '63
Development of aquatic phases and the formation of the predispause state in female mosquitoes of the genus Culiseta. A. V. Maslov. Prim. mat. metod. v biol. no. 2:132-149 '63.
Methods of quantitative evaluation of the mutual influence of various species of birds during migration. I. I. Blinmanis, V. B. Dol'nik. Prim. mat. metod. v biol. no. 2:110-117 '63.
Parameters characterizing the levels of energy metabolism in animals. V. S. Ivlev. Prim. mat. metod. v biol. no. 2:146-151 '63.
Theoretical information coefficient of correlations and its use in the statistical analysis of anthropometric data. E. N. Zamina, O. M. Kalinin, F. V. Taleva. Prim. mat. metod. v biol. no. 2:107-109 '63
Use of the method of correlative groups of isotopes for discovering the relation between the physicochemical properties of substances and their toxicity. I. I. Liubina, A. A. Golubev. Prim. mat. metod. v biol. no. 2 90-93 '63.
Using correlation methods for studying the profit level in industry. N. Petrakov. Vest. stat. no. 9 21-29 '63.

CORROSION AND ANTICORROSIVES
Anuchkin, M. P. [Stability of welded pipelines] Prochnost' svarnykh magistral'nykh truboprovodov. Moskva, Gostoptekhizdat, 1963. 195 p.
[Corrosion and irradiation] Korroziia i oblucheniie. [By] V. V. Gerasimov i dr. Moskva, Gosatomizdat, 1963. 267 p.
Device for preserving the stability of insulating machines. Strel. truboprov. 8 no. 9:26 S '63.
Krasnoiarskii, V. V., R. P. Nosov, and G. IA. Frenkel'. [Corrosion and the protection of metal parts of hydraulic engineering structures] Korroziia i zashchita metallokonstruktsii gidrotekhnicheskikh sooruzhenii. Moskva, Gosenergoizdat, 1963. 196 p.
Motor oils and preservative oils. IU. N. Shekhter, L. D. Khoroshilova, Khim. i tekh. topl. i masel 8 no. 9 42-46 S '63
Protecting metals from corrosion by liquid nairit. Mor. flot 23 no. 9 39 S '63.
Protection of cylinder bushings and internal combustion engine blocks against corrosion. N. A. Butkov and others. Mor. sbor. 46 no. 7:73-78 Jl '63.
Raise the level of anticorrosive protection of structural elements. V. M. Medvedev, L. S. Shapiro. Prom. stroi. 41 no. 10 51-52 O '63.
Using lubricants to control corrosion offshore. A. F. Khamalova and others. Izv. vys. ucheb. zav., neft' i gaz 5 no. 1,93-97 '62

CORROSION-RESISTANT MATERIALS
Selecting corrosion-resistant metals for the feed valve of the injector. A. S. Afanas'ev, S. L. Idel'is. Trudy DIIT no. 24 166-171 '54.

CORRUPTION (IN POLITICS) see subdivision under Italy

CORTICOSTEROIDS see Adrenocortical hormones

CORTISONE
Changes in the anaphylactic and immunological reactions in sensitized guinea pigs under supplementary action of cortisone [with summary in English]. B. G. Trukhmanov, L. IA. Tikhonova. Trudy TomNIIVS 12 170-177 '60.
Characteristics of changes in organs and tissues following prolonged cortisone therapy. V. V. Nekachalov. Arkh. pat. no. 2 9-17 '63
Effect of cortisone on antiviral immunity. N. N. Nosik. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 34-35 '61
Leptospira infection in white mice treated with cortisone [with summary in English]. T. N. Mikhailova. Trudy TomNIIVS 12:184-189 '60
Use of cortisone to decrease the resistance of white mice to Listeria [with summary in English]. A. A. Tripolitova. Trudy TomNIIVS 12 178-183 '60.

CORYNEBACTERIUM
Determining the toxigenicity of diphtheria bacilli using the so-called "manifestator pestis", abstract. N. S. Shamsutdinov. Kaz. med. zhur. no. 1:113-114 Ja-F '61.
Sensitivity of local strains of the diphtheria bacillus to antibiotics [with summary in English]. I. R. Sirotinina and others. Trudy TomNIIVS 12:130-131 '60.
Toxigenic properties of local strains of the diphtheria bacillus [with summary in English]. L. IA. Tikhonova. Trudy TomNIIVS 12 125-129 '60.

COSMIC DUST
Polarization of airglow during twilight as an indicator of the intrusion of cosmic dust. G. Ditse. Trudy Astrofiz. inst. AN Kazakh. SSR 3:236 '62.

COSMIC RAYS
Akademiia nauk SSSR. Mezhduvedomstvennyi geofizicheskii komitet. VII razdel programmy MGG. Kosmicheskie luchi. [Articles] Sbornik statei. Moskva, Izd-vo Akad. nauk SSSR.
No. 1. [Variations of cosmic rays below ground, at sea level, and in the stratosphere] Variatsii kosmicheskikh luchei pod zemlei, na urovne moria i v stratosfere. 1959. 56 p.
No. 2. [Variations of cosmic rays and solar corpuscular streams] Variatsii kosmicheskikh luchei i solnechnye korpuskuliarnye potoki. 1960. 143 p.
Anomalous absorption in the polar cap caused by ionospheric bursts. G. M. Khocholava. Geomag. i aer. 3 no. 5 911-921 S-O '63.
Dobrotin, N. A. [Cosmic rays] Kosmicheskie luchi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 125 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serija).
Effect of small bursts in the hard component of cosmic rays. L. I. Dorman and others. Geomag. i aer. 3 no. 4 754-758 Jl-Ag '63.
Energy spectrum of the diurnal variation of cosmic rays and the diurnal temperature fluctuations at an altitude from 20 to 40 km. A. I. Kuz'min and others. Geomag. i aer. 3 no. 5:830-834 S-O '63.
Lunar diurnal variation and the 27-day modulation of cosmic ray anisotropy. L. I. Dorman, L. Kh. Shapashvili. Geomag. i aer. 3 no. 5 979-981 S-O '63.
Possible cause of PP type oscillations. A. V. Gerasimov. Geomag. i aer. 3 no. 5 983-985 S-O '63.
Properties of corpuscular radiation streams in regions of polar lights. V. I. Pogorelov. Geomag. i aer. 3 no. 1 761-765 Jl-Ag '63.
Secular variation of cosmic ray intensity in the stratosphere, 1957-1962. A. N. Charakhch'ian, T. N. Charakhch'ian. Geomag. i aer. 3 no. 4 604-607 Jl-Ag '63.

COSMOGONY
Energy of random motion in the expanding universe [with summary in English]. N. A. Dmitriev, IA. B. Zel'dovich. Zhur. eksp. i teor. fiz. 45 no. 6 1815 1155 O '63.

COSMOLOGY
Significance and the further development of Einstein's cosmological equation. IA. P. Terletskii. Issl. metod. est. nauk no. 2 114-120 '63.

COSSACKS
Beliaevskii, V. A. [Role of the Cossacks in the Second World War and their tragic fate, 1939-1945] V tragicheskaia Mirovaia voina, rol' kazachestva v etoi voine i dramaticheskii takovogo, 1939-1945 g.g. S predisl. V. D. Merzhanskogo. São Paulo, 1963. 104 p.

COST AND STANDARD OF LIVING
From the day of birth.... V. Shvili. Agitator no. 19-22 S '63
An important tool for raising the people's standard of living. G. Sarkisian. Polit. samoobr. 7 no. 11:13-14 N '63

COSTS, INDUSTRIAL
First statistical study of the production costs of Soviet industry. D. Savinskii. Vest. stat. no. 10:50-52 '63
Let us reduce production costs! Agitator no. 18:2-5 S '63.

COSTUME
[Russian dress from 1750 to 1917 in 5 parts; materials for the staging of Russian plays from the time of Fonvizin to Gor'kii] Russkii kostium 1750-1917 v piati vypuskakh, materialy dlia stsenicheskikh postanovok russkikh dramaturgii ot Fonvizina do Gor'kogo. Moskva, Vsesoiuznoe teatral'noe ob-vo
No. 2 [Russian dress from 1830 to 1850] Russkii kostium 1830-1850. Pod red. V. Ryndina. 1961. 182 p.

COTTON
(see also subdivision under Soviet Central Asia; Uzbekistan)
Characteristics of the relationship between the development of plants and the conditions of their radiation. E. A. Lopukhin. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 11:102-113 '63.
Morphologic and anatomic structure of the cotyledon of some species of cotton. A. S. Dariev. Bot. zhur. 48 no. 9.1355-1361 S '63.
Root intoxication of cotton plants with octamethyl and mercaptophos used in the control of spider mites. V. M. Malinin. Trudy FergZOS no. 2:169-182 '59
Temperature conditions of a cotton field. I. P. Belik-A. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 11 146-151 '63.

COTTON—FERTILIZERS AND MANURES see subdivision under Fergana, Uzbekistan

COTTON BREEDING see subdivision under Fergana, Khiva Oasis; Soviet Central Asia

COTTON GINS AND GINNING
Effect of moisture and spontaneous heating of raw cotton on the separation of the skin with the fiber from cotton seed. N. A. Topusheva. Trudy FergZOS no. 2 91-102 '59.

COTTON GINS AND GINNING—HYGIENIC ASPECTS
Campaign against cotton dust. S. Sosnovskii. Sov. profsoiuzy 19 no. 20 38 O '63.

COTTON GROWING see subdivision under Andizhan Province; Fergana; Turkmenistan, Uzbekistan

COTTON GROWING—BIBLIOGRAPHY see Bibliography—Cotton growing

COTTON MACHINERY
(see also subdivision under Uzbekistan)
Avdeev, S. A., and others. [Automatization of technological processes in the cotton industry] Avtomatizatsiia tekhnologicheskikh protsessov khlopchatobumazhnoi promyshlennosti Pod obshchei red S A. Avaeva Moskva, Gizlegprom, 1963. 279 p
Sviridenok, P. V. [Operation of a machine and tractor pool on collective cotton farms] Ekspluatatsiia mashinno-traktornogo parka v khlopkovodcheskikh khoziaistvakh Tashkent, Gos izd-vo UzSSR, 1962 58 p
(DNAL)

COTTON MANUFACTURE see subdivision under Kherson, Moscow Province, Yartsevo (Smolensk Province)

COTTON-PICKING MACHINERY
(see also subdivision under Uzbekistan)
Davydov, I. S. [Economic effectiveness of machinery for harvesting cotton] Ekonomicheskaia effektivnost' mashin na uborke khlopka, Tashkent, Gos izd-vo UzSSR, 1962. 114 p.
(DNAL)

Feeding material paper to a conveyer. A. Tepliakov. Uzbekistan 22 no 7 8 Jl '63.

COTTONSEED
Studying the causes of the separation of the skin from cotton seed. N. N. Popushova. Trudy BergZOS no. 2 75-89 '59.

COULOMETRY
Use of complexons for coulometric titration of thorium [Article summary in English] I A. Tserkovnitskaia, E Zhu-tszin [Yeh Ju-chiu] Zhur anal khim 18 no 7 822-826 Jl '63.

COUNCIL OF EUROPE
An unsuccessful prelude G. Deinichenko. Mezhdunar. zhizn' 10 no. 12:110 D '63

COUNTING DEVICES
Hysteresis-type storage counter [with summary in English]. R. A. Lipman. Avtom. i telem 24 no. 10 1405-1413 O '63.
Use of the pulse type electromagnetic counter. G. L. Makshin. Khleb. i kond. prom. 6 no. 1:33-34 Ja '62.

COUPLINGS
Calculation of rectangular friction belt joints. A. P. Savkin. Izv. vys. ucheb. zav., mashinostr. no. 7:76-85 '63.
Modernization of the 1S51N coupling boring machine. I. M. Kershenbaum, A. I. Trushchelev. Stroi. mat. 9 no. 7:26 Jl '63.
The SN-76 semimounted hitch. G. T. Miagkov. Trakt. i sel'khozmash. 33 no. 7 35-36 Jl '63.

COURAGE
Courage. D. TSend-Ayushch. Sovr. Mong. 8 no. 6 8 Jl [n. d.] '63

COURTS
(see also subdivision under Alushta District; Germany, East; Latvia; Lyskovo District; Yakutia)
New developments in the organization of the work of people's assessors. Iu. V. IUributskii. Sov. gos. i pravo 33 no. 10:129-131 O '63.
Simple and swift. S. Mohan Kumaramangalam. Kul't. i zhizn. 7 no. 10 27-28 '63.

COWS
Change in the microstructure of the cow skin as related to the season and the lactation period. A. F. Verichenko. Dokl. TSKHA no. 61-67 '61.
Change in the productivity of high-yielding cows. E. A. Arzumanian. Dokl. TSKHA no. 69:5-17 '61.
Changes in the composition and properties of cervical secretion in cows. I. I. Sokolovskaia and others. Trudy VIZH 24:312-331 '62.
Development of capillary blood vessels in the mammary gland of a cow embryo. V. P. Chumakov. Dokl. TSKHA no. 69:337-340 '61.
Ka pH of vaginal and cervical secretion in cows. V. G. Semakov, L. N. Gorokhov. Trudy VIZH 24:332-335 '62.
elation between live weight in high-yielding cows and their milk and butterfat production. L. V. Nebykova. Dokl. TSKHA no. 69:33-36 '61.
elation between the physical properties of vaginal and cervical secretion and the state of ovaries in cows. L. N. Grokhov, V. G. Semakov. Trudy VIZH 24:336-343 '62.
eproduction capacities in high-yielding cows. S. V. Vavzhinchak. Dokl. TSKHA no. 69:27-32 '61.
tudying the state of blood circulation organs and the blood picture in Bestuzhev cows following first calving. M. A. Davydycheva. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:139-146 '61

COWS—DISEASES AND PESTS
Methods of early diagnosis of mineral deficiency in cows. A. T. Babzina, M. A. Davydycheva, L. V. Ovtsyn. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:165-175 '61.

COWS—FEEDING AND FEEDS
Changes in the functional state of skeletal muscles in lactating cows in relation to factors of the daily regimen. T. K. Gorodetskaia. Trudy VIZH 24:42-128 '62.
Composition and quality of milk in Bestuzhev cows raised on various food rations. S. I. Sazhin. Dokl. TSKHA no. 69:73-80 '61.
Digestion in cows fed corn silage as a substitute for hay. M. M. Mikhailova. Trudy VIZH 24:218-229 '62.
Effect of rations with a different protein content and other nutritive substances on the secretory activity of the mammary gland in cows. K. G. Shtanfeeva. Nauch. dokl. vys. shkoly, biol. nauki no 1 71-79 '63
Effect of trace elements fed to cows during pregnancy on their content in colostrum and milk. N. A. Lukashik, L. E. Kolodzeva, Z. F. Tabakova. Dokl. TSKHA no. 69: 95-102 '61.
Effect of various levels of protein feeding on milk productivity in cows and some biochemical blood indices. Kh. Kh. Tkhakakhov. Dokl. TSKHA no. 69:103-109 '61
Effect of various levels of protein feeding on nitrogen metabolism in dairy cows. N. N. Skorobogatykh. Dokl. TSKHA no. 69:111-117 '61.
Some characteristics of the composition of food rations for cows and their effect on the conjugated acids of butterfat. S. P. Libets. Dokl. TSKHA no. 69, 81-84 '61.

COWS—PHYSIOLOGY
Typological characteristics of higher nervous activity and milk yield in Bestuzhev cattle. I. I. Domanov, G. M. Grigorian. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:3-11 '61.

COXSACKIE VIRUSES
Characteristics of "minor" disease in a children's home caused by the Coxsackie B_1 virus [with summary in English]. G. P. Kolesnikov. Pediatriia 42 no. 5:27-33 My '63.

CRACKING PROCESS
(see also subdivision under Groznyy)
Initiated cracking of propane-butane mixtures A. D. Stepukhovich, L. I. El'terman, V. P. Balakhnin. Neftekhimiia 3 no. 4 531-540 Jl-Ag '63.
Kinetics of cumene cracking on aluminum oxide activated with boron fluoride. V. A. Chernov, T. V. Antipina, Kin. i kat. 4 no. 4 595-600 Jl-Ag '63.
Preparation of acetylene concentrates from gaseous products obtained in the electrocracking of liquid hydrocarbons by the thermal displacement method. O. P. Krivoruchko and others. Neftekhimiia 3 no. 4 521-530 Jl-Ag '63
Problem of the formation of acetylene and carbon black. A. D. Kokurin. Zhur. prikl. khim. 36 no. 8 1782-1784 Ag '63.
Radiation thermal conversions of petroleum fractions. A. M. Brodskii and others. Neftekhimiia 3 no. 5 670-681 My-Je '63.
Radiation-thermal cracking of propane. V. P. I. Spitsyn and others. Neftekhimiia 3 no. 5 615-619 Jl-Ag '63

CRANES, DERRICKS, ETC
Bashneft', Ob"edinenie. [Experience in equipping oil fields of Bashkiria to be exploited without derricks] Opyt ustroistva neftianykh promyslov Bashkirii dlia bezvyshechnoi ekspluatatsii [n. p.] 1963 23 p. (Vystavka dostizhenii narodnogo khoziaistva SSSR)
Burmazov, V. A. [Manual for the operator of the KKU-7,5 and KKU-10 gantry cantilever cranes] Rukovodstvo mashinistu kozlovykh konsol'nykh kranov KKU-7,5 i KKU-10. Moskva, Goslesbumizdat, 1933. 138 p
Effect of minor deviations of the dimensions of jib-unit elements on the trajectory of the movement of load V. A. Sobolev. Izv. vys. ucheb. zav., mashinostr. no. 8:112-155 '63.
I am constantly improving my skills I. G. Gavrilova Transp. stroi. 12 no 3 5-6 Mr '62
Methods of improving the use of cranes in agricultural construction. M. A. Oreshin, P. V. Kachanov. Mekh. stroi. 20 no. 8:5-8 Ag '63.
Moment of load and inherent stability of pipe laying cranes. A. L. Lipovich, IU. A. Dudoladov. Stroi. truboprov. 8 no. 8:12-13 Ag '63.
New movable cantilever crane with 3 ton capacity. V. A. Tashkinov. Vest. mashinosti. 43 no. 10 44-45 O '63.
Ramming unit on a MRSK-100 erecting crane base. A. A. Kozlovskii, E. V. Svetinskii, N. A. Stechkina. Osn., fund. i mekh. grun. 5 no. 4:18-20 '63.
Rotation resistance of floating cranes. A. L. Aleiner. Izv. vys. ucheb. zav., mashinostr. no. 7:126-132 '63.
Use of gantry cranes with 20-ton capacity for hoisting loads up to 30 tons. G. T. Vinogradov. Elek. sta. 34 no. 8:65 Ag '63.
Using the SKG-30 track-laying crane with a 55 m. guying crane arm. V. D. Shevchenko, IU. V. Permiakov. Prom stroi. 41 no. 10:49-50 O '63.

CRANES, DERRICKS, ETC.—EQUIPMENT AND SUPPLIES
Attachment for the "Malysh-1" crane. IA. Mednis. Zhil.-kom. khoz. 11 no. 12:32-33 D '61.

CRANES, DERRICKS, ETC —MAINTENANCE AND REPAIR
Present state of the means of mechanization and its maintenance by integrated brigades I. Oglobiin Mor flot 23 no 8:13-14 Ag '63

CRANIOMETRY
Skulls from the Churachiki barrow in Chuvashia M. S. Akimova Sov. arkheol 7 no 3 178-179 '63.

CRANKS AND CRANKSHAFTS
Experiments in the use of cast iron crankshafts in tractor diesel engines G. V. Chelpigin, N. S. Gul', V. P. Chizhov. Trakt. i sel'khozmash. 33 no 8 44-45 Ag '63.
Moscow. Vsesoiuznyi proektno-tekhnologicheskii institut [Mastering the founding of crankshafts from cast iron with spheroidal graphite] Osvoenie otlivki kolenchatykh valov iz chuguna so sferoidal'nym grafitom, opyt Kolomenskogo parovozostroitel'nogo zavoda im Kuibysheva, Moskva, Mashgiz, 1954 15 p (Obmen tekhnicheskim opytom, no. 13)
Semi-automatic two-position machine for manufacturing crankshafts for combines D. I. Romanov Trakt. i sel'khozmash 33 no 3 43-45 Mr '63.

CRANKS AND CRANKSHAFTS—MAINTENANCE AND REPAIR
Restoration of crankshafts by build-up welding. M. V. Gogolitsyn and others. Svar. proizv. no. 10 22-25 O '63
Restoration of GAZ-51 automobile crankshafts by build-up welding under flux. V. G. Astashkin, I. P. Pominykh. Svar. proizv. no. 10 38 O '63.

CRAWLER TRACTORS see subdivision under Russia, Northern

CRAWLER TRACTORS—DESIGN AND CONSTRUCTION
Problems in selecting optimal parameters for prospective crawler tractors. V. V. Gurkov. Trakt. i sel'khozmash. 33 no. 8 5-8 Ag '63.

CRAWLER TRACTORS—TESTING
Bench testing of the frames of crawler tractors for fatigue strength A. D. Levitanis, E. I. Karmazin, A. A. Romen. Trakt. i sel'khozmash. 33 no. 3 8-11 Mr '63.

CRAYFISH see subdivision under Danube Delta

CREAM SEPARATORS—ELECTRIC DRIVING
Andrianov, V. N., and IU. A. Semeniak [Efficient electric drive for cream separators] K voprosu o ratsional'nom elektroprivode molochnykh separatorov, nauchnoe soobshchenie Moskva, Otdel tekhn. informatsii VIESKha 1962 41 p.
[MICROFILM]

CREATION (LITERARY, ARTISTIC, ETC)
The anatomy of creation. A. Kondratov. Nauka i rel. 4 no. 8:20-22 Ag '63.
Dmitrieva, N. A. [The image and the word] Izobrazhenie i slovo [Moskva, Iskusstvo 1962.] 313 p. plates.
(MH)
Symposium on the complex study of literary creation, Izv AN SSSR, Ser. lit i iaz 22 no. 1 117-159 S-O '63.

CREATIVE ACTIVITIES AND SEAT WORK
Let's prepare for Christmas. N. Litvinova. Semlia i shkola 18 no. 11 46-48 N '63.

CREDIT
Foreign exchange and financial problems of modern capitalism. V. Drozdov. Vnesh. torg. 43 no. 10 50-52 '63.
Kommunisticheskaia partiia Sovetskogo Soiuza. Vysshaia partiinaia shkola. [Finance and credit in the U. S. S. R.] Finansy i kredit SSSR, uchebnoe posobie. Moskva, Izd-vo VPSh i AON, 1962. 253 p
(CaOTU)

CREEP OF MATERIALS
Approximate equations describing creep of thin-walled shells. V. I. Rozenblium. Prikl. mat. i mekh 27 no. 1:154-159 Ja-F '63.
Approximate method for calculating creep buckling. S. A. Shesterikov PMTF no 5,151-153 S-O '61
Reducing the problem of creeping shells to an equivalent nonlinear-elastic problem. R. M. Kinasoshvili. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 16 no. 5:17-57 '63.
Torsion of a sectional shaft of variable diameter in nonlinear creep. M. M. Manukian. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 16 no. 5,59-81 '63.
Variational methods of solving problems concerning the deformation and stability of plates and shells in creep. G. V. Ivanov. PMTF no 5 140-150 S-O '63.

CREEP OF METALS
Creep of certain metal compounds. IA. I. Kornilov, A. IA. Shiniaev, I. N. Pylaeva. Izv. AN SSSR. Met. i gor. delo no. 5 113-115 S-O '63
Effect of low-temperature annealing on the resistance to creep of manometric tubular springs. L. M. Butkevich, M. P. Grishnev. Metalloved. i term. obr. met. no. 11:44-46 N '63.
Kinetics of creep in single crystals of metals and alloys at high temperatures. B. IA. Pines, E. E. Badikan, V. P. Khizhkovyi. Fiz. tver. tela 5 no. 10:2850-2870 O '63.

CRESOL
Cellulose-cresol copolymers as material for the production of [illegible] sub tanks. O. S. Tsvetkov, and others. Plast. massy, no. 10, 40-44 '63.

Terpene-cresol oligomers. Part 12. Cresol derivatives of camphene and their use in the preparation of transformations of [illegible]. L. A. Feofilova, I. M. Shutov, V. I. Bo[illegible]. Zhur. prikl. khim. 33 no. 12, 2741-2751 Ag '60.

Technological aspects of the reaction of demethylation of [illegible] by the [illegible] method. I. V. Slovokhotova, V. V. Galaktionov, Hu Ts'u-hsun [Yu Chia-yung]. Khim. prom., no. 7, 513-517 Jl '63.

CRESOL—TOXICOLOGY
Setting the toxicity of a cresol compound (dimethylphenylpiperazol). [illegible] Gigiena i sanit., no. 9, 20-24 '61.

CRIME AND CRIMINALS
(see also subdivision under France, United States)
Do prohibitions of criminal codes always strictly conform to the principles of penal law. V. Kudriavtsev. Sov. iust., no. 13, 5-7 Jl '63.

Evaluating the respective significance of the harmful social effects of a crime and the "especial dangerousness" of its perpetrator when releasing him from punishment [with summary in English]. K. K. Vavilov. Vest. LGU 17 no. 17, 110-111 '63.

Kudriavtsev, V. N. [Theoretical principles of the determination of the criteria of criminal offenses] Teoreticheskie osnovy kvalifikatsii prestuplenii. Moskva, Gosiurizdat, 1963, 323 p.

CRIME PREVENTION
(see also subdivision under Makeyevka, Tyachev District)
Some problems of criminal law relating to public participation in the struggle against crime. G. B. Vittenberg. Sov. gos. i pravo 33 no. 10, 77-86 O '63.

CRIMEA—AUXILIARY POLICE
Voluntary policemen of a collective farm. V. Ostapenko. Rad. pravo no. 1, 35 Jl-Ag '63.

CRIMEA—CAMPS
Who made friends in Artek. Anatolii Aleksin, Konstantin Voronko. Sem'ia i shkola 18 no. 10, 10-11 O '63.

CRIMEA—COAST CHANGES
Some characteristics of the roses of the sea wave energy on the southern coast of the Crimea. V. I. Zats. Okeanologiia 3 no. 4, 626-632 '63.

CRIMEA—COLLECTIVE FARMS
Successful day. E. Popovkin. Ogonek 41 no. 38, 5-7 S '63.

CRIMEA—GEOLOGICAL TIME
New data on the age of rocks in deep holes in the Crimean steppes [with summary in English]. E. A. Novikova. Vest. LGU 18 no. 18, 172-173 '63.

CRIMEA—GEOLOGY, STRUCTURAL
Disintegration rate of the Crimean mountains. N. I. Lysenko. Priroda 52 no. 9, 105-106 '63.

CRIMEA—PETROGLYPHS
Art monuments of the epoch of early metal in the Crimea. V. A. Shchepinskii. Sov. arkheol. 7 no. 3, 38-47 '63.

CRIMEA—STONE AGE
Some problems concerning the Neolithic of Crimea. Iu. G. Kolosov. Sov. arkheol. 7 no. 3, 257-269 '63.

CRIMEA—VEGETABLES—CHEMICAL COMPOSITION
Vitamin C activity in commercial vegetable products. T. P. Chilka. Vop. pit. 22 no. 1, 91-92 Ja-F '63.

CRIMINAL EVIDENCE see Evidence, Criminal

CRIMINAL INVESTIGATION
Examining the place of a theft of socialist property. Iu. Aleksandrov. Rad. pravo no. 4, 47-51 Jl-Ag '63.

CRIMINAL JUSTICE, ADMINISTRATION OF see subdivision under Ukraine

CRIMINAL LAW
(see also subdivision under Europe, Eastern)
Historical premises of the bourgeois theories of criminal law. S. S. Ostroumov. Vest. Mosk. un. Ser. 10: Pravo 18 no. 4, 3-11 O-D '63.
How the violation of administrative regulations affects the determination of some classes of criminal offenses. E. Doman. Rad. pravo no. 4, 85-87 Jl-Ag '63.
Some problems of criminal law relating to public participation in the struggle against crime. G. B. Vittenberg. Sov. gos. i pravo 33 no. 10, 77-86 O '63.

CRIMINAL PROCEDURE
(see also subdivision under Kazakhstan)
Dismissal of a criminal case. S. Sheifer. Sov. iust., no. 13, 14-17 Jl '63.
Evaluation and verification of the testimony of injured persons. L. Kokorev. Sov. iust. no. 19, 10-12 O '63.
Procedural role of public prosecutors during the trial of criminal cases. H. Nadhornyi. Rad. pravo no. 4, 43-47 Jl-Ag '63.
Russia (1923- U. S. S. R.) Laws, statutes, etc. [Commentary to the 1960 Code of Criminal Procedure of the R. S. F. S. R.] Kommentarii k Ugolovno-protsessual'nomu kodeksu RSFSR 1960 g. [Leningrad] Izd-vo Leningr. univ., 1962, 387 p. (MH)

CROATIAN LITERATURE—HISTORY AND CRITICISM
The book "Croatian literature from 1914 to 1941" by Sima Vučetić. G. IA. Il'ina. Lit. slav. nar. 8, 228-232 '63.

CROP YIELDS see subdivision under Kuban

CROPS, COMPANION see Companion crops

CROPS AND CLIMATE
(see also subdivision under Georgia; White Russia)
Agroclimatic indices of the growth of sugar beets. L. S. Kel'chevskaia. Meteor. i gidrol. no. 11, 28-31 N '63.
Calculation of soil temperature change at different depths in the formation layer of the tillering node of winter crops. V. A. Moiseichik. Meteor. i gidrol. no. 11, 21-25 N '63.

CROSSBILLS
A naturalist's notes. N. N. Sushkina, IUrii Kachaev. Iun. nat. no. 2, 36 F '63.

CROTONONITRILE
Infrared spectra of the condensation products of γ, γ, γ-trichlorocrotonic acid nitrile with benzene in the presence of aluminum chloride. A. D. Grebeniuk, M. R. Agudaev. Zhur. ob. khim. 33 no. 10, 3253-3257 O '63.

CRUSADES
"The Crusades, a documentary survey" [in English] by J. A. Brundage. Reviewed by M. A. Zaborov. Vop. ist. 38 no. 10, 174-176 O '63.

CRUSADES—BIBLIOGRAPHY see Bibliography—Crusades

CRUSHED STONE INDUSTRY—BY-PRODUCTS
Resources of stone crushing plants. I. N. Boichuk, D. I. Sobol'. Stroi. mat. 9 no. 10, 12-14 O '63.

CRUSHING MACHINERY
Autogenous grinding of Krivoy Rog magnetite-hornfels. V. I. Karmazin, A. I. Denisenko. Gor. zhur. no. 10, 53-56 O '63.
Crusher for mineral fertilizers. I. Pivovarov. Tekh. v sel'khoz. 23 no. 8, 59-60 Ag '63.
Dedusting of cone crushers. M. T. Kamyshenko. Prom. vent. no. 9, 44-50 '60.
Dedusting of jaw crushers. M. T. Kamyshenko. Prom. vent. no. 9, 37-43 '60.
Make wider use of rotary crushers in the industry of rock, sand, and gravel materials to be used in construction. R. V. Meibom, A. I. Kosarev. Mekh. stroi. 20 no. 8, 14-16 Ag '63.
Using dry foam for eliminating dust from ball and tube mills. P. A. Kolevatov and others. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10, 5-6 '63.

CRUSTACEA
Nutritional value and use of some invertebrates. L. L. Lagunov, N. I. Rekhina. Ryb. khoz. 38 no. 11, 82-85 '62.
Relation between the length and the weight of the body in some higher crustaceans. N. S. Gudkova. Nauch. dokl. vys. shkoly, biol. nauki no. 4, 13-16 '63.

CRYOPEDOLOGY—STUDY AND TEACHING
The object of studying geocryology and its connection with practical work. A. I. Dement'ev. Sbor. nauch. rab. DVNIIS no. 1, 45-47 '61.

CRYSTAL LATTICES
Cubic texture in silicon iron. IA. N. Kunakov, B. G. Livshits. Metalloved. i term. obr. met. no. 11, 15-18 N '63.
Determination of the coordinated of atoms (ions) in a crystal lattice based on the X-ray powder pattern data. S. L. Nudel'man. Rent. min. syr. no. 2, 108-114 '62.
Determining the phonon spectrum from the cross section of incoherent neutron scattering on a crystal. B. D. Laikhtman. Fiz. tver. tela 5 no. 10, 3036-3037 O '63.
Effect of excess vacancies and dislocation loops on the Hall field in aluminum at 20° K. G. A. Zaitsev, V. I. Khotkevich. Fiz. met. i metalloved. 12 no. 6, 917-919 D '61.
Effect of spin-phonon interaction in ferromagnetics on the Debye-Waller factor. V. N. Kashcheev. Kristallografiia 8 no. 3, 333-337 My-Je '63.
Energy spectrum of holes in semiconductors structured as chalcopyrite. F. M. Gashimzade. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 3, 67-76 '63.
Fields of coherent changes in the structure of crystal lattices during phase transformations in solids. V. I. Arkharov. Fiz. met. i metalloved. 12 no. 6, 853-859 D '61.
Statistical properties of an electron gas in a part of energy band [with summary in English]. V. M. Tsukernyk. Ukr. fiz. zhur. 8 no. 8, 877-882 Ag '63.
Theory of excitons of large radius in crystals with degenerate bands [with summary in English]. A. G. Zhilich, V. P. Makarov. Vest. LGU 18 no. 16, 27-37 '63.
Unordering of hardened and practically deformed iron. V. M. Kardonskii, M. D. Perkas. Fiz. met. i metalloved. 12 no. 6, 913-915 D '61.

CRYSTAL LATTICES—DEFECTS
Defects of packing in pure cobalt and in cobalt-iron alloys. IA. D. Vishniakov, D. M. Mazo, IA. S. Umanskii. Izv. vys. uchеb. zav.; chern. met. 6 no. 8, 115-117 '63.

CRYSTAL LATTICES—THERMAL PROPERTIES
Thermal stresses in textured materials. V. A. Pilipenko. Fiz. met. i metalloved. 12 no. 5, 793-795 D '61.

CRYSTAL LATTICES—VIBRATION
Effect of anharmonic vibrations of the lattice on the intensity of the Mössbauer line. L. O. Matarkina. Ukr. fiz. zhur. 8 no. 8, 835-843 Ag '63.
Theory of spectral bands of luminescence centers with a small radius. O. L. Shil'd. Opt. i spektr. 15 no. 4, 674-685 O '63.

CRYSTAL OPTICS
Optical orientation of crystalline plates in oblique cross sections. N. M. Melamkholin. Kristallografiia 8 no. 3, 480-481 My-Je '63.

CRYSTALLINE AND METAMORPHIC ROCKS see Rocks, Crystalline and metamorphic

CRYSTALLIZATION
Application of crystallization for the separation and purification of aromatic hydrocarbons. B. N. Vol'fkovich. Koks i khim. no. 10, 60-61 '63.
Change of internal stresses in zinc deposits after electrocrystallization. M. IA. Popereka. Zhur. prikl. khim. 36 no. 8, 1748-1756 Ag '63.
Collecting recrystallization of polycrystals with microscopic porosities. IA. E. Geguzin, L. N. Paritskaia. Fiz. met. i metalloved. 12 no. 6, 900-907 D '61.
Critical speed of heating with recrystallization of steel. G. K. L'vov. Fiz. met. i metalloved. 16 no. 3, 469-471 S '63.
Crystallization of photosensitive glasses as dependent on the method of isolating the crystallization centers. N. M. Vatsafel'd, A. A. Gorbachev, L. M. Il'dim [illegible] AN SSSR 152 no. 4, 901-904 O '63.
Effect of thorium and zinc on the recrystallization of magnesium. M. E. Drits and others. Izv. AN SSSR. Met. i gor. delo no. 5, 128-133 S-O '61.
Fractionation of trace impurities during the crystallization of tartaric acid from aqueous solutions. G. L. Gorshtein, N. S. Dmitrieva. Zhur. prikl. khim. 36 no. 8, 1725-1729 Ag '63.
Kinetics of the dissolving of carbon and the recrystallization of commercial iron. G. K. L'vov, V. I. Mal'tsev. Izv. vys. uchеb. zav.; chern. met. 6 no. 8, 129-131 '63.
Melting diagram of the system $Cl_2O_7 - SO_3 - H_2O$ in the region of high concentrations of perchloric and sulfuric acids. N. A. Shchitova, A. A. Zinov'ev, V. I. Mikheeva. Dokl. AN SSSR 152 no. 2, 345-348 S '63.
Parameters of the consecutive crystallization of eutectic. E. D. Zakharov. Alium. splavy no. 1, 122-128 '63.
State of titanium in the products of the complete crystallization of some systems. IA. S. Bobovich, G. I. Petrovskii. Zhur. strukt. khim. 4 no. 5, 765-768 S-O '63.

CRYSTALLOGRAPHY
Approximate theory of quasi-longitudinal elastic waves in crystals. F. I. Fedorov. Kristallografiia 8 no. 3, 398-404 My-Je '63.
Characteristic structural changes in phase transitions in antiferroelectric substances. I. S. Zheludev, V. N. Liubimov. Kristallografiia 8 no. 3, 326-332 My-Je '63.
Crystalline structures of compounds rich in beryllium in the systems Mo - Be and W - Be. P. I. Kripiakevich, E. I. Gladyshevskii. Kristallografiia 8 no. 3, 349-351 My-Je '63.
Effect of temperature corrections on the divergence factor in the structural analysis of crystals. A. V. Skvortsin, V. I. Simonov. Kristallografiia 8 no. 3, 446-447 My-Je '63.
Face morphology of yttrium-iron garnet crystals. S. S. Gendelov. Kristallografiia 8 no. 3, 431-436 My-Je '63.
Groups of symmetry and various kinds of antisymmetry. A. M. Zamorzaev. Kristallografiia 8 no. 3, 307-312 My-Je '63.
Interesting reports by crystallographers. I. E. Kamentsev. Vest. LGU 18 no. 16, 174-175 '63.
Mechanism of the formation of idiomorphic crystals in the process of replacement. A. A. Baum. Trudy [illegible] no. 7, 61-64 '61.
Phase transition of the second kind in 2,4,6-trinitrotoluol. B. N. Egorov, G. B. Ravich, B. G. Krylov. Dokl. AN SSSR 152 no. 2, 370-371 S '63.

CRYSTALLOGRAPHY (Continued)

Polar-polar and polar-neutral crystalline structures. V. A. Koptsik. Kristallografiia 8 no 3,319-327 My-Je '63.

Quantitative relations in structures deriving from the fluorite type. IU. A. Piatenko, Zhur. strukt khim. 4 no. 5;708-713 S-O '63.

Space groups and unit cells of organic compounds. Part 1. Derivatives of ethanoanthracene, dodecahydrophenanthrene, and cyclohexane. O. P. Osipova, IU. T. Struchkov. Zhur. strukt. khim 4 no 5:770-772 S-O '63.

Structural group of quartz. N. L. Smirnova, N. V. Belov. Kristallografiia 8 no. 3 346-350 My-Je '63.

Structure of CdFe layers grown by sublimation on the natural cleavages of NaCl, KCl, and KBr single crystals. F. T. Novik, M. A. Rumsh, T. M. Zimkina Kristallografiia 8 no. 3 378-381 My-Je '63.

Structure of compounds of rare earth metals with antimony and bismuth of an AB composition. R. N. Kuz'min, S. V. Nikitina Kristallografiia 8 no. 3:453-454 My-Je '63.

Systematics of structural types Part 1. G. B. Bokii, N. L. Smirnova. Zhur. strukt khim 4 no 5:744-756 S-O '53.

Tensoresistance of polycrystalline germanium films. V. S. Shadrin, A. F. Gorodetskii. Fiz. tver. tela 5 no. 10 3030-3031 O '63.

Third All-Union Conference on the use of computers in the structural analysis of crystals. Zhur. strukt. khim 4 no. 5;798-800 S-O '63.

Transition region between the ferroelectric and paraelectric phases of the solid solutions (Pb, Ba) (Ti, Zr)O_3. S. A. Fedulov, IU. N. Venevtsev. Kristallografiia 8 no 3:451-456 My-Je '63.

Yttrium beryllide and compounds of the type ABe_{13}. N. N. Matiushenko, G. F. Tikhinskii. Kristallografiia 8 no. 3,451-453 My-Je '63.

CRYSTALS

X-ray diffraction study of some compounds of the compositions $A(B'_x, B''_{2-x})O_6$, $(A'_{0,8}, A''_{0,4})Nb_2O_6$, and $(Ba_{0,4}Sr_{0,2}Ca_{0,4})Ti_2O_3(A=Sr, Ba, B'=Fe, Mg; B''=Nb, A'=R, A''=La, Bi)$. I. G. Ismailzade. Kristallografiia 8 no. 3 351-355 My-Je '63.

CRYSTALS—DEFECTS

Effect of defects of the crystal lattice on the susceptibility of paramagnetic metals. I. IA Dekhtiar, V. S. Mikhalenkov. Fiz. tver. tela 5 no. 10:2997-3002 O '63.

Phase transitions of the second kind during Bose - Einstein condensation of excitons in a deformed lattice [with summary in English] S. A. Moskalenko. Zhur. eksp. i teor. fiz. 45 no. 4;1159-1163 O '63.

CRYSTALS—DIPOLE MOMENTS

Dipole and nondipole crystalline structures. V. N. Liubimov, I. S. Zheludev Kristallografiia 8 no. 3:313-318 My-Je '63.

CRYSTALS—ELECTRIC PROPERTIES

Piezoelectric effect in nonuniform deformation and acoustic scattering of current carriers in crystals. Sh. M. Kogan. Fiz. tver. tela 5 no. 10:2928-2931 O '63.

CRYSTALS—GROWTH

Growing single crystals of germanium-silicon alloys by the method of vertical zone recrystallization. N. V. Zhinvskaia, Z. I. Kiriashkina, V. A. Maslov. Kristallografiia 8 no. 3:437-439 My-Je '63.

Petrov, D. A., ed. [New data on the production of single crystals of semiconductors. Translated from the English] Novoe v poluchenii monokristallov poluprovodnikov, sbornik statei. Moskva, Izd-vo inostr. lit-ry, 1962, 259 p

CRYSTALS, ELECTRON STATE see Excitons

CTENOPHARYNGODON

Fattening of Hypophthalmichthys Molitrix and Ctenopharyngodon idella on the "Nivki" Experimental Farm. V. A. Prykhod'ko. Nauk. pratsi Ukr. nauk. -dosl. inst. ryb. hosp. 14:113-116 '62.

CUBA—ECONOMIC CONDITIONS

Ernesto Guevara discusses the current problems of the Cuban national economy. Nov. vrem. 21 no. 39;12-13 S '63.

CUBA—ECONOMIC POLICY

Ernesto Guevara discusses the current problems of the Cuban national economy. Nov. vrem. 21 no. 39:12-13 S '63.

CUBA—FOREIGN ECONOMIC RELATIONS—RUSSIA

Consolidation of the economic relations between Cuba and the Soviet Union. I. Arkhipov. Mezhdunar. zhizn' 10 no. 12:70-74 D '63.

CUBA—FOREIGN RELATIONS—LATIN AMERICA

Cuban revolution and Latin America. S. Mikhailov. Mezhdunar. zhizn' 10 no. 12;62-69 D '63.

CUBA—FOREIGN RELATIONS—UNITED STATES

Step away from Cuba! M. Mykhal'chuk. Ukraina no. 19,2 O '62.

CUBA—HISTORY

First reactions of the Cuban people to the Great October Socialist Revolution [with summary in English, p. 188]. Julio Le Riverend. Nov. i noveish. ist no. 5 22-25 '63.

Núñez Jiménez, Antonio. [Republic of Cuba, an historical sketch Translated from the Spanish] Respublika Kuba, istoricheskii ocherk Moskva, Sotsekgiz, 1963 134 p. (CSt-H)

CUBA—POLITICS AND GOVERNMENT

Homeland or death! A. Blok. Uzbekistan 22 no. 7:26 Jl '63.

A Marxist study of the Cuban Revolution by a French historian. K. L. Maidanik. Vop. ist. 38 no. 10;162-171 O '63.

CUBA—RELATIONS (GENERAL) WITH RUSSIA

Homeland or death! A. Blok. Uzbekistan 22 no. 7:26 Jl '63.

CUBA—SOLDIERS

Fighters of the island of freedom. V. Ponizovskii. Sov. voin 14 [i. e. 45] no. 16,43 Ag '63.

CUBAN LITERATURE—HISTORY AND CRITICISM

José Antonio Portuondo's monograph "Outline history of Cuban literature." I. Kuz'minskaia Zvezda no 7:214-215 Jl '62

CUCUMBERS

Causes of bitter taste in cucumbers. Z. P. Lavlova. Priroda 52 no. 9:101-102 '63.

CULTIVATED PLANTS see Plants, Cultivated

CULTIVATORS

The MVN-1, 2 rotary hoe. F. M. Dotlstov. Trakt. i sel'khozmash. 33 no. 8,38 Ag '63.

Self-sharpening cultivator sweeps. K. Podkatilov. Tekh. v sel'khoz. 23 no. 6 64-67 Je '63.

CULVERTS

Manufacture of sections of reinforced concrete culverts with waterproofing. A. F. Zhukov. Transp. stroi. 12 no. 3 19-22 Mr '62

Using a water intake with a surface water retaining culvert. M. S. Ramazan. Izv. AN Kir. SSR. Ser. est. i tekh nauk 5 no. 3;147-157 '63.

CULVERTS—STANDARDS

Technical specifications for the design of bridges and pipes N. B. Lialin Transp. stroi 12 no. 3 43-45 Mr '62

CUMENE

Early changes in the state of health of workers in the cumene process of phenol and acetone production A. M. Vialov and others. Uch. zap. Mosk. nauch. -issl. inst san. i gig. no. 9;13-16 '61.

Experimental data concerning the normalization of the isopropylbenzene hydroxide content of air in industrial buildings. N. A. Zabezhinskaia. Uch. zap. Mosk nauch. -issl. inst. san. i gig. no. 9;17-19 '61.

Kinetics of cumene cracking on aluminum oxide activated with boron fluoride. V. A. Chernov, T. V. Antipina. Kin. i kat. 4 no. 4:595-600 Jl-Ag '63.

Materials for evaluating the pollution of air by wastes in the production of phenol and acetone by the cumene method. V. P. Molekhina, M. A. Pinigin. Uch. zap. Mosk. nauch. -issl. inst. san. i gig. no. 9;25-29 '61.

Principal problems of hygiene in the production of phenol and acetone by the cumene method. M. I. Fongaus. Uch. zap. Mosk. nauch. -issl. inst. san. i gig. no. 9;5-12 '61.

CUMENE—SPECTRA

Infrared spectral method for determining α-methylstyrene, dimethylphenylcarbinol and isopropylbenzene. V. A. Terent'ev, M. A. Shaburov, A. N. Ivanova. Neftekhimiia 1 no. 4:567-572 Jl-Ag '61.

CUNEIFORM INSCRIPTIONS, ELAMITE

Elamite economic documents from Susa. Transcription, translation, and comments by IU. B. IUsifov (conclusion). Vest. drev. ist. no. 3;199-261 '63.

CURARELIKE SUBSTANCES

Use of native curariform preparations in spastic paresis in the restorative period following an attack. L. G. Stoliarova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1,62-63 '61.

CURVES

Curvature of linearly enveloping connecting-rod curves. I. I. Artobolevskii. Teor. mash. i mekh. no. 04/95; 41-53 '63.

CURVES, PLANE

Behavior of integral curves on a plane in the large. A. N. Berlinskii. Izv. vys. ucheb. zav.; mat. no. 5;3-5 '63

CUTTING MACHINES

Cutter head for making holes in collectors. E. F. Krapovnitskii Khol. tekh. 40 no. 5;56 S-O '63.

CUTWORMS see subdivision under Kazakhstan, Tselinograd Province

CYANAMIDE

Reactions of cyanamide with aliphatic acid anhydrides. A. E. Kirsanov, A. P. Monsenko Zhur. ob. khim. 33 no. 10 3325-3328 O '63.

CYANOCOBALAMINE

Determination of the effect of vitamin B_{12} on the absorption of amino acid mixtures in the intestine [with summary in English]. O. A. Shishova. Vop. pit. 22 no. 1 50-55 Ja-F '63.

Distribution of radioactive vitamin B_{12} in the plasma and organs of rats in acute radiation sickness L. L. Shepshelevich, L. S. Rogacheva Radiobiologiia 2 no. 6 843-846 '62.

Formation and distribution of vitamin B_{12} in soil. E. G. Afrikian, R. A. Bobikian. Trudy Inst. mikrobiol. no. 11, 341-345 '61.

Mechanism of the action of vitamin B_{12} in the treatment of skin diseases [with summary in English] O. V. Bukhanin. Vest. derm. i ven 36 no. 10;19-23 O '62.

Vitamin B_{12} formation by proactinomycetes of the genus Nocardia. T. V. Finogenova. Nauch. dokl. vys. shkoly, biol. nauki no. 1 167-169 '63.

CYANURIC ACID—TOXICOLOGY

Materials on the toxicological evaluation of trichlorocyanuric acid and trichlorometamine. L. N. Arkhangel'skaia, T. A. Roshchina. Uch. zap. Mosk nauch. -issl. inst. san. i gig. no. 9;127-130 '61

CYANURIC CHLORIDE

Synthesis and study in the 1, 3, 5-triazine series. Part 2. Interaction of cyanuric chloride with substituted anilines. N. V. Kozlova and others. Zhur. ob. khim. 33 no. 10,3303-3309 O '63.

CYBERNETICS

Brief news. Khim. prom. no. 7;71-73 Jl '63.

Control of the random straying of an automaton with presence of internal noises. V. F. Krapivin. Izv. AN SSSR. Tekh. kib. no. 4 100-106 Jl-Ag '63.

Conversion of images in a model of a continuous neural system. V. P. Romanov. NTI no. 2;36-41 '63.

Cybernetics methods in medicine. M. L. Bykhovskii. Mat. v shkole no. 5 8-14 S-O '63.

Discussing the problems of today's cybernetics. V. Pekelis. Tekh. mol 30 no. 8 27-29 '62.

Kobrinskii, N. E., and V. D. Pekelis. [Faster than thought] Bystree mysli. [Moskva] Molodaia gvardiia, 1963. 469 p.

Mathematical theory of neuronal networks. V. I. Varshavskii. Prim. mat. metod. v biol. no. 2;60-66 '63.

Moscow. Nauchno-tekhnicheskoe obshchestvo radiotekhniki elektrosviazi. [Cybernetics and electronic computer technology; materials of the 16th Conference of Science and Technology, April 17-21, 1961] Kibernetika i elektronno-vychislitel'naia tekhnika; po materialam XVI Nauchno-Tekhnicheskoi Konferentsii 17-21 aprelia 1961 g. Moskva, Gosenergoizdat, 1963. 137 p. (CStmoR)

New monograph on cybernetics. A. A. Stognii. NTI no. 2: 38-39 '63.

Orienting reflex as a cybernetic system. E. N. Sokolov. Zhur. vys. nerv. deiat. 13 no. 5:816-830 S-O '63.

Problem of double signalization in the model study of nervous activity. B. I. Kriukov, P. O. Makarov. Prim. mat. metod. v biol. no. 2;52-59 '63.

Zaripov, R. Kh. [Cybernetics and music] Kibernetika i muzyka. Moskva, Izd-vo "Znanie," 1963 51 p (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika i khimiia, no. 10)

CYBERNETICS—BIBLIOGRAPHY see Bibliography—Cybernetics

CYCLIC COMPOUNDS

Space groups and unit cells of organic compounds. Part 1; Derivatives of ethanoanthracene, dodecahydrophenanthrene, and cyclohexane. O. P. Osipova, IU. T. Struchkov. Zhur. strukt. khim. 4 no. 5:770-772 S-O '63.

Synthesis and properties of C_{24} cyclic hydrocarbons. Al. A. Petrov and others. Neftekhimiia 3 no. 4 465-471 Jl-Ag '63.

Synthesis and properties of C_{28} polycyclic hydrocarbons E. I. Bagrii, P. I. Sanin, Al. A. Petrov. Neftekhimiia 3 no. 4:466-464 Jl-Ag '63.

CYCLOALKENES

Conversions of five- and six-membered cyclenes on rare-earth oxides. Kh. M. Minachev, M. A. Markov, G. A. Loginov. Neftekhimiia 1 no. 3,356-361 My-Je '61.

CYCLOBUTANE

Cyclobutanone in the synthesis of arylcyclobutanes. IU. S. Shabarov, N. A. Donskaia, R. IA. Levina. Zhur. ob. khim. 33 no. 10;3434 O '63.

CYCLOBUTANONE

Cyclobutanone in the synthesis of arylcyclobutanes. IU. S. Shabarov, N. A. Donskaia, R. IA. Levina. Zhur. ob. khim. 33 no. 10:3434 O '63.

CYCLOHEXANE

Kinetics and mechanism of liquid-phase oxidation of cyclohexane by molecular oxygen. Report No. 2 Kinetics of the accumulation of intermediate products. I. V. Berezin and others. Neftekhimiia 1 no. 1 141-151 Jl-Ag '61.

Kinetics and mechanism of the liquid-phase oxidation of cyclohexane. Part 4. Mechanism of the formation of cyclohexanol and cyclohexanone. V. G. Berezin, E. T. Denisov, and N. M. Emanuel. Neftekhimiia 1 no. 3 365-371 Jl-Ag '61.

Kinetics of cyclohexanol oxidation, the liquid-phase oxidation of cyclohexane. A. N. Bashkirov, and others. Neftekhimiia 1 no. 1 527-534 Jl-Ag '61.

CYCLOHEXANONE—SPECTRA

Investigation of the kinetics and mechanism of liquid-phase decomposition of cyclohexanone peroxide by ultraviolet spectra. Report No. 1 Quantitative analysis of the mixtures of cyclohexanone, cyclohexanol and cyclohexanone peroxide by infrared absorption spectra. I. V. Berezin, V. G. Berezin, G. B. Mikhailova, Neftekhimiia 1 no. 4 535-540 Jl-Ag '61.

CYCLOHEPTATRIENE

Investigation of the polymerization of some unsaturated cyclic hydrocarbons under pressure. bicyclo-(2, 2, 1)-hepta-ene-2, bicyclo-(2, 2, 1)-heptadiene-2-5 and cycloheptatriene. A. M. Polikova and others. Neftekhimiia 1 no. 4 521-526 Jl-Ag '61.

CYCLOHEXADIENE

Reaction of quinoxaline ester with 1, 3-cyclohexadiene. I. V. Dilthey, I. V. Dorinina-Markelpakh, I. V. Ratin, Zhur. ob. khim. 33 no. 10 3437-3440 O '63.

CYCLOHEXANE

Calculation of the integral intensities and depolarization ratio of Raman spectra of cyclohexane and deuterocyclohexane. B. I. Prilezhaeva, L. M. Sverdlov, M. M. Sushchinskii. Opt. i spektr. 15 no. 4 464-470 O '63.

Dehydrogenation of cyclohexane on oxides of rare earth elements. Kh. M. Minachev, M. A. Markov, O. K. Enchilina. Neftekhimiia 1 no. 4 489-493 Jl-Ag '61.

Disinfecting stored seeds with suspensions of DDT and hexachloran dusts. V. I. Ohifrenko. Trudy Kaz. NIIZR 7 74-77 '62.

Nitrofen is a highly effective agent against the clothes-moth. D. S. Porezenko, V. V. Sorokin. Veterinariia 39 no. 2 69-70 F '62.

Polarographic study of the kinetics and the mechanism of protolytic reactions underlying nitro-aci-tautomeric conversions of nitrocyclohexane. P. M. Zaitsev, IA. I. Turian, Z. V. Zaitseva. Kin. i kat. 4 no. 4 534-538 Jl-Ag '63.

CYCLOHEXANE, EFFECT OF RADIATION ON

Electron paramagnetic resonance spectrum of the cyclohexyl radical formed in the radiolysis of cyclohexane in the gas-crystal state. N. IA. Buben and others. Dokl. AN SSSR 152 no. 2 352-355 S '63.

CYCLOHEXANOL

Kinetic equilibrium concentrations of intermediate products in the oxidation reaction of cyclohexanol. E. I. Denisov, V. V. Khardin. Neftekhimiia 3 no. 4 568-564 Jl-Ag '63.

CYCLOHEXYL GROUP—SPECTRA

Electron paramagnetic resonance spectrum of the cyclohexyl radical formed in the radiolysis of cyclohexane in the gas-crystal state. N. IA. Buben and others. Dokl. AN SSSR 152 no. 2 352-355 S '63.

CYCLOOCTANE

Catalytic method for preparing cis-bicyclo-(6, 3, 3)-octane. F. A. Shabova, S. I. Khromov, B. A. Kazanskii. Neftekhimiia 1 no. 3 353-355 My-Je '61.

CYCLOPENTADIENE

Condensation of hexachlorocyclopentadiene with diallyl phthalate. IU. G. Mamedaliev, Magerram Mamedov, I. M. Akhmedov. Dokl. AN Azerb. SSR 18 no. 12 29-32 '62.

Separation of methylcyclopentadiene from the products of catalytic dehydrogenation of methylcyclopentene. N. I. Shuikin, E. D. Tulupova, E. G. Ostapenko. Neftekhimiia 3 no. 4 494-497 Jl-Ag '63.

Some preparations from hexachlorocyclopentadiene [in Estonian with summary in English]. H. Rang. Izv. AN Est. SSR Ser. fiz.-mat. i tekh. nauk 12 no. 3 301-306 '63.

Terpene phenols. Part 13. Condensation products of dihydrocyclopentadiene with phenol. L. A. Kheifits, S. I. Vitezub. Zhur. ob. khim. 33 no. 8 2751-2755 Ag '63.

CYCLOPENTADIENE—SPECTRA

Vibration spectra of cyclopentadiene and monodeuterocyclopentadienes. F. V. Sobolev, V. T. Aleksanian, V. A. Mironov. Dokl. AN SSSR 152 no. 4 923-926 O '63.

CYCLOPENTANE

Hydrogenolysis and reciprocal transitions of cis- and trans-1, 2-dimethylcyclopentanes in the presence of rhodium, osmium, iridium, and palladium catalysts. O. V. Bragin and others. Dokl. AN SSSR 152 no. 4 865-868 O '63.

CYCLOPENTENE

Separation of methylcyclopentadiene from the products of catalytic dehydrogenation of methylcyclopentene. N. I. Shuikin, E. D. Tulupova, E. G. Ostapenko. Neftekhimiia 3 no. 4 494-497 Jl-Ag '63.

CYCLOPROPANE

Isomerization of 1, 1-dichloro-2-vinylcyclopropane in the presence of acid catalysts. A. F. Plate, O. A. Shcherbakova. Neftekhimiia 3 no. 4 507-510 Jl-Ag '63.

CYCLOPROPYL GROUP

Unsaturated hydrocarbons containing a cyclopropyl radical. Part 1. 1, 1-Dicyclopropyl-1, 3-butadiene, 2-cyclopropyl-2, 4-pentadiene, and 1, 1-dicyclopropyl-1-butene. S. Kh. Bogidov, T. V. Domracheva, I. V. Dilthey. Zhur. ob. khim. 33 no. 10 3126-3133 O '63.

CYCLOTRON

High-frequency resonance discharge in a cyclotron. B. V. Zagat, V. G. Tishin. Zhur. tekh. fiz. 33 no. 9 1121-1130 S '63.

CYCLOTRON RESONANCE

Cyclotron resonance on hot electrons. IU. A. Gurvich. Fiz. tver. tela 5 no. 10 2786-2791 O '63.

Waves in a plasma near the cyclotron resonances. IU. N. Dnestrovskii, D. P. Kostomarov, N. V. Skrydlov. Zhur. tekh. fiz. 33 no. 8 922-928 Ag '63.

CYLINDRITE—ANALYSIS

Chemical semimicroanalysis of cylindrite. IU. S. Nesterova, G. A. Arapova. Trudy IGEM no. 81 36-38 '62.

CYMENE

Production and possible means of processing cymenes. V. A. Sidorov. Khim. prom. no. 7 481-488 Jl '63.

CYPRUS—ANTIQUITIES

On trip to Cyprus. N. A. Sidorova. Vest. drev. ist. no. 3 185-193 '63.

CYPRUS—DIPLOMATS

Leukos Georgiadēs. Nov. vrem. 21 no. 39:31 S '63.

CYPRUS—TRADE UNIONS

The sacred duty of all men. L. Gonatas. Sov. profsoiuzy 19 no. 19 14 O '63.

CYRILLUS, Saint, of Thessalonica, 827-869

Slav Apostles Saint Cyril and Methodius. K. Komarov. Zhur. Mosk. Patr. no. 8 49-56 Ag '63.

CYSTICERCOSIS

Some data on the state of the hematoencephalic barrier in cerebral cysticercosis [with summary in French]. I. P. Antonov, T. P. Sizonenko. Zhur. nevr. i psikh. 63 no. 2 213-216 '63.

CYSTS

Pseudotraumatic cysts of the lungs. B. I. Guravich. Trudy mol. nauch. sotr. MONIKI no. 1:29-34 '59.

CYTOGENETICS

One of the possible applications of the theory of probability to radiation cytogenetics. N. V. Luchnik. Prim. mat. metod. v biol. no. 2:177-182 '63.

CYTOLOGIC DIAGNOSIS see Diagnosis, Cytologic

CYTOLOGY

Symposium on Histochemistry and Cytochemistry. IU. M. Olenov. Vest. AN SSSR 33 no. 10 96-98 O '63.

CYTOPLASM see Protoplasm

CYTOTOXIC DRUGS

Experimental study of the combined action of antineoplastic antibiotics and X-ray irradiation in leukemias. I. I. Zaretskii and others. Med. rad. 8 no. 2:51-57 F '63.

CZECH DRAMA—HISTORY AND CRITICISM

"Early Czech literature." I. M. Porochkina. Lit. slav. nat. 8:241-244 '63.

Quests and finds of our friends; remarks on contemporary Czechoslovak dramaturgy. V. D. Savitskii. Lit. slav. nar. 8, 196-209 '63.

CZECH PAINTING see Painting, Czech

CZECHOSLOVAKIA—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

Organization of the repair of agricultural machinery in Czechoslovakia. P. Grozdov, A. Poliachenko. Tekh. v sel'khoz. 23 no. 6 82-84 Je '63.

CZECHOSLOVAKIA—AGRICULTURE, COOPERATIVE

Comparative study of the socialist reorganization of agriculture in the U. S. S. R. and Czechoslovakia [with summary in English, pp. 219-220]. Vlastimila Kladivova. Vop. ist. 38 no. 10, 37-59 O '63.

CZECHOSLOVAKIA—AUTOMOBILE ENGINEERING RESEARCH

Two wheels are sufficient. Tekh. mol. 31 no. 8:2 '63.

CZECHOSLOVAKIA—AUTOMOBILE RACING

"Svet motoru" is our guest. A. Kuba. Za rul' 21 no. 6 30-31 Ag '63.

CZECHOSLOVAKIA—AUTOMOBILES—TOURISM

Automobile camping in Czechoslovakia. V. [illegible] Za rul' 21 no. 6 21 Je '63.

CZECHOSLOVAKIA—BREWING INDUSTRY

Denshchikov, M. T. [Present-day state of the beer industry in Czechoslovakia] Sovremennoe sostoianie pivovarennoi promyshlennosti Chekhoslovakii. Moskva, Pishchepromizdat, 1963. 139 p.

CZECHOSLOVAKIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

With full force. Vilem Kun. Sov. profsoiuzy 19 no. 11-13 O '63.

CZECHOSLOVAKIA—FIRE EXTINCTION—AUTOMATIC SYSTEMS

What is "Afrotan"? IU. Nazarov. Pozh. delo no. 9 S '63.

CZECHOSLOVAKIA—FOREIGN RELATIONS—RUSSIA

Twentieth anniversary of the first treaty. M. [illegible] Mezhdunar. zhizn' 10 no. 12 101-105 D '63.

CZECHOSLOVAKIA—GRINDING MACHINES

The BA16 (KZSSR) circular grinding machine with automatic cycle. S. Borodin. Stan. i instr. 34 no. 11 34-35 S '63.

CZECHOSLOVAKIA—INDUSTRIES

Levelling of the economic development of [illegible] the Czech areas of Czechoslovakia. B. Chalupa. Mezhdunar. zhizn' 10 no. 12 138-140 D '63.

With full force. Vilem Kun. Sov. profsoiuzy 19 no. 11-13 41-43 O '63.

CZECHOSLOVAKIA—LATHES

The SU 3P, SS 3P and SD 3P lathes. Stan. i instr. 34 no. 9 35-36 S '63.

CZECHOSLOVAKIA—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

Innovations in Czechoslovakian machine [illegible] Mashinostroitel' no. 11 16-17 N '63.

CZECHOSLOVAKIA—MEAT INDUSTRY

Kashirina, V. M. [Manufacture of meat products in Czechoslovakia] Proizvodstvo miasnykh prodktov v Chekhoslovakii. Moskva, TSNIITEIpishcheprom, 1963. 47 p.

[MICROFILM]

CZECHOSLOVAKIA—MOTION-PICTURE PLAYS

"Echelon from paradise." Milos Pala. Iskusstvo 26 no. 7:140-141 '63.

CZECHOSLOVAKIA—MOTION PICTURES

Motion-picture engineering in Czechoslovakia in 1961. F. Pilat. Tekh. kino i televid. 6 no. 12 [illegible] '62.

CZECHOSLOVAKIA—MOTION PICTURES, PUPPET [illegible]

Puppet film. L. Konradova. Mysletstvo 16 no. [illegible] My-Je '63.

CZECHOSLOVAKIA—MOTORBUSES

Abroad. Avt. transp. 41 no. 6:60-60 Ag '63.

CZECHOSLOVAKIA—MOTORCYCLE RACING

"Svet motoru" is our guest. A. Kuba. Za rul' 21 no. 6 30-31 Ag '63.

CZECHOSLOVAKIA—ORTHODOX EASTERN CHURCH

Celebrations of the anniversary of Cyril and Methodius in Czechoslovakia. P. Sokolovskii. Zhur. Mosk. Patr. no. 8:35-36 Ag '63.

CZECHOSLOVAKIA—PHYSICAL THERAPY

Survey of the work of the Czechoslovak Research Institute of Physiatrics, Balneology and Climatology for 1959-1961. K. Pitzhorovskii. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 1:372-374 Jl-Ag '62.

CZECHOSLOVAKIA—PHYSICAL THERAPY—CONGRESSES

Problems of health resorts and physiotherapy at the Czechoslovak Congress of Rheumatologists. K. Pitzhorovskii. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 1:374-376 Jl-Ag '62.

CZECHOSLOVAKIA—POLITICS AND GOVERNMENT

A study of the Czechoslovak socialist state. R. K. [illegible] Shamedova. Vest. Mosk. un. Ser. 10, Pravo 18 [illegible] 78 O-D '63.

CZECHOSLOVAKIA—PUPPETS AND PUPPET PLAYS

Puppet film. L. Konradova. Mysletstvo 16 no. [illegible] My-Je '63.

CZECHOSLOVAKIA—RELATIONS (GENERAL) WITH RUSSIA

Soviet friendship with Czechoslovakia is indissoluble. O. Seltaninov. Kommunist 40 no. 17 113-118 N '63.

ZECHOSLOVAKIA—SHEEP—DISEASES AND PESTS
Brucella intermedia in sheep in Czechoslovakia. I., Ni-... Veterinarstvi 17 no 2,76 F '60

ZECHOSLOVAKIA—SOCIETIES, ETC.
...ry of Matica Slovenska. S Durovcik. Bibliotekar' ... no.10 55-57 O '63.

ZECHOSLOVAKIA—STATISTICS, VITAL
...th dynamics in the Czechoslovak Socialist Republic. Z. Va...ra. Vest. stat. no. 10 53-60 '63.

ZECHOSLOVAKIA—STEEL—HEAT TREATMENT
...ls structures used in Czechoslovakia and the German ...emocratic Republic for the heat treatment of steel ...products. Abstracted by E. A. Smol'nikov, L. M. Sar-... Metalloved. i term. obr. met. no. 11 56-57 N '63.

ZECHOSLOVAKIA—SUGAR MANUFACTURE
...te of crystallization of sucrose from impure sugar ...olutions. I. F. Bugaenko. Sakh. prom. 36 no. 9 55-57 S '62.

DT (INSECTICIDE)
...termination of DDT in food products by the use of the L. M. Kul'berg and L. I. Shim method [with summary in English]. G. F. Vyleg-hanina. Vop pit. 21 no. 1, 69-71 Ja-F '63.
...ating stored seeds with suspensions of DDT and ...exachloran dusts. V. I. Olifirenko. Trudy Kaz. NIIZR 7:74-77 '62.

...CSON—STANDARDS
...ev. M. M. Panfilova. Standartizatsiia 27 no. 8 47-... Ag '63.

...GHESTAN—HISTORICAL RESEARCH
...arly research of the historians of Daghestan Uni-...ersity. B. K. Karabekov, F. Z. Prodaeva. Vop. ist. ... no. 10 107-109 O '63.

...GHESTAN—JEWELRY, ANCIENT
...rgonal pendants with a tetrakaidecahedron. D. M. ...ev. Sov. arkheol. 2 no. 3 231-235 '63.

...GHESTAN—MEAT—TRANSPORTATION
...ransportation of refrigerated meat in southern regions. ...A. Kulik. Mias. ind. SSSR 34 no. 5 28 '63.

...RY BARNS
...cclimate in a dairy barn with loose maintenance of ...arm animals. L. A. TSybul'skii. Trudy VIZH 24: ...43-448 '62.

...RY CATTLE—FEEDING AND FEEDS
...ect of ammonium acetate on the increase of butterfat ...ercentage, intermediate metabolism, and digestion ...rocesses in the rumen of Jersery and East Friesian ...ows. G. A. Bondarenko, I. K. Slesarev. Trudy VIZH ... 57-77 '62.
...ect of various conditions of feeding on the develop-...ent of organs and tissues in young dairy cattle. A. P. ...egochev, F. I. Globina. Trudy VIZH 24:78-107 '62.
...ace element mixtures for high-yielding cows. A. M. ...erediktov. Trudy VIZH 24:247-257 '62.

...RY CATTLE BREEDING
...eeding age of Red Steppe cattle. A. N. Bakalo. Nauch. ...ty Vses. sel.-gen. inst. no. 5:178-182 '62.
...ct of the level of productivity in cows on the quality ...their progeny. N. P. Bychkov. Dokl. TSKHA no. 69: ...-26 '61.
...w developments in dairy cattle breeding] Novoe v ...olochnom zhivotnovodstve. [Moskva] Mosk. rabochii, ...963. 102 p.
(DNAL)

...RY INDUSTRY see subdivision under Armenia; ...azakhstan

...RY MICROBIOLOGY
...versible changeability of dysentery bacteria in lactate ...oducts. G. P. Kalina. Uch. zap. Mosk. nauch.-issl. ...st. san. i gig. no. 4:64-67 '60
...diodestruction" of dysentery bacteria in lactate prod-...ts such as sour cream and sour milk and methods ...r the detection of "secondary cultures." G. P. Kalina. ...ch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4:60-63 ...

...Y PRODUCTS—ANALYSIS AND EXAMINATION
...ification of the chromatographic method in the analy-...s of dairy products. A. V. Divak. Sbor. stud. rab. ...TIMMP no. 7:34-35 '62.
...ermining dry substances in milk and dairy products ...means of infrared radiation. T. S. Grigorian. Sbor. ...ud. rab. MTIMMP no. 7:32-33 '62.

...YING
...e also subdivision under Moscow Province; ...insk Province; Tosno District)
...nev, P. V. [Dairying] Molochnoe delo. Moskva, ...'khozizdat, 1963. 318 p. (Uchebniki i uchebnye ...obiia dlia sel'skokhoziaistvennykh tekhnikumov)
...k organization on farms with loose housing for cattle. ...I. Shliakhtin. Dokl. i soob. VNIESKH no. 15 100-109

DAIRYING—COSTS
Influence of cows' productivity on reducing milk costs and increasing labor productivity on a farm. I. I. Chinarov. Dokl. i soob. VNIESKH no. 16:68-80 '63.

DAIRYING—EQUIPMENT AND SUPPLIES
Changed drive of the circle of a carrousel-type arrangement for milking parlors. F. Dobrodienko. Tekh. v sel'khoz. 23 no. 8 39-40 Ag '63.
The "IDUE-16-Omichka" circular conveyor-type milking arrangement. A. A. Ivanov. Trakt. i sel'khozmash. 33 no. 7 32-33 Jl '63.

DAIRYING—STATISTICS
Collective and state farms leading in milk production. V. P. Solov'eva, N. K. Mel'nova. Dokl. i soob. VNIESKH no. 16 160-167 '63.

DAMPING (MECHANICS)
Methods of vibration proofing of heavy forging-hammer foundations. V. P. Shcheglov, V. V. Kunin. Kuz.-shtam. proizv. 5 no. 9 20-26 S '63.
Vibration proofing of forging-hammer foundations. K. A. Kazanskii. Kuz.-shtam. proizv. 5 no. 9 26-30 S '63.

DAMPNESS IN BUILDINGS
Temperature and humidity control in completely prefabricated apartment houses. V. R. Khlevchuk, IU. A. Kaliadin. Gor. khoz. Mosk. 37 no. 7:16-18 Jl '63.

DAMS
(see also subdivision under Kirghizistan)
Calculation of thermal conditions of a concrete dam for the selection of efficient methods of construction work [with summary in English]. L. A. Vulis and others. Inzh.-fiz. zhur. 6 no. 10,3-8 O '63.
Freezing of a frost-dam from the dry slope side. A. A. TSvid. Sbor. nauch. rab. DVNIIS no. 1:93-104 '61.
Freezing of subfluvial talik in frozen dams. A. A. TSvid. Sbor. nauch. rab. DVNIIS no. 1:87-91 '61.
Seepage calculations for dams consisting of alternate layers of sod and previous material. N. I. Knlaginichev. Trudy OmSKhI 11:167-174 '60.
Vibrations of arch dams under seismic loads. S. V. Medvedev, A. P. Sinitsyn. Trudy Inst. fiz. Zem. 28 Vop. inzh. seism. no. 8 126-134 '63.

DAMS—DESIGN AND CONSTRUCTION see subdivision under Kirghizistan

DANCERS
[Masters of the Soviet ballet; an album of drawings] Mastera sovetskogo baleta, al'bom risunkov. Red. E. I. Kopelian. Leningrad, Khudozhnik RSFSR.
Vol. 1, 1963.
(NNC)

DANGE, SHRIPAD AMRIT, 1899-
Shripad Amrit Dange. L. Zarina, O. Oskolkova. Mir. ekon. i mezhdunar. otn. no. 10 137-138 '63

DANGEROUS OCCUPATIONS see Occupations, Dangerous

DANILOV, MIKHAIL
Night raid. I. Safonov. Sov. voin. 14 [i. e. 15] no. 16:13 Ag '63.

DANUBE DELTA
Neagu, Fenuș. [Danube delta] Delta Dunaia. Bucharest, Izd-vo "Meridiane," 1963. 12 p. illus. (Gorode i pejzazhi Rumynii)

DANUBE DELTA—CRAYFISH
Stock of crayfish in the lakes of Kitay and Katlabug in the Danube Valley and the future development of crayfish fisheries in the lower Danube Valley. S. IA. Brodskyi. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14:99-107 '62.

DAPHNIPHYLLUM—DISEASES AND PESTS see subdivision under Sukhum

DARKLING BEETLES
Larvae of the subfamily Pimeliinae (Coleoptera, Tenebrionidae). N. G. Skopin. Trudy Kaz. NIIZR 7:191-208 '62.

DAR'YALYK REGION—SOILS
Soils of the southern Kunya-Dar'ya region. A. Z. Genusov, B. V. Gorbunov, A. M. Uvkin. Trudy Inst. pochv. AN Uz. SSR no. 1:25-132 '55.

DASHKESAN DISTRICT—AZERBAIJANI LANGUAGE—DIALECTS
Results of a dialectologic expedition conducted by the Nizami Institute of Languages and Literature in the Kedabek and Dashkesan districts of the Azerbaijan S. S. R. [in Azerbaijani with summary in Russian]. M. Sh. Shiraliev. Trudy Inst. lit. i iaz. AN Azerb. SSR 17:124-128 '63.

DAVIDITE see subdivision under Vishnevyye Mountains

DAVYDOV, DENIS VASIL'EVICH, 1784-1839
Denis Davydov's unknown letter. R. E. Al'tshuller. Ist. arkh. 8 no. 2:232 Mr-Ap '62.

DAY NURSERIES
Kotov, I. G., and V. P. Svitko. [Kindergartens and day nurseries, their design and construction] Dytiachi sadky ta iasla dlia sela, proektuvannia i budivnytstvo. Kyiv, Derzhbudvydav URSR, 1961. 71 p. (Sil's'komu budivnytstvu)
Some hygienic problems in the planning of joint (nursery-kindergarten) children's institutions. E. I. Smirnova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 56-68 '59.

DEAF
Through the barrier of silence. F. Dikov. Sov. Soiuz no. 9 11-17 '63.

DEAF—EDUCATION
Rau, F. A., and E. F. Rau. [Training a deaf child in the family] Vospitanie glukhogo rebenka v seme. Izd. 2. Moskva, Uchpedgiz, 1958. 64 p.
Rau, E. F. [Training of preschool children with hearing defects] Vospitanie detei doshkol'nikov s nedostatkami slukha. Moskva, Medgiz, 1959. 30 p. (Society to-diteliam)

DEAF—PERIODICALS
Outstanding assistant. N. Rulev. Sots. obesp. 24 no. 8 16-17 Ag '63.

DEAF—REHABILITATION
Outstanding assistant. N. Rulev. Sots. obesp. 24 no. 8 16-17 Ag '63.

DEAFNESS
Romm, S. Z., and A. M. Vainshtein. [Take care of your hearing] Beregite slukh. Leningrad, Medgiz, 1963. 40 p. (Nauchno-populiarnaia meditsinskaia literatura) (DNLM)

DEAMINATION
Deamination of methyl esters of cyc-cis-2-amino-3, 6-endovohexahydrophthalic acid. N. S. Zefirov and others. Zhur. ob. khim. 33 no. 10 3110-3111 O '63.

DEATH, APPARENT
Somnambulism and apparent death. P. Bul'. Znan.-sila 38 no. 5 52-53 My '63.

DECIMAL CLASSIFICATION see Classification, Decimal

DECK MACHINERY
Aristov, IU. K. [Auxiliary mechanisms on ships] Sudovye vspomogatel'nye mekhanizmy. Izd. 2., ispr. i dop. Pod obshchei red. I. I. Krakovskogo. Moskva, Izd-vo "Rechnoi transport," 1963. 290 p.

DECOMPOSITION
Possible quantum mechanical interpretation for the classification of thermal decomposition reactions in solids. V. V. Boldyrev, A. A. Medvinskii. Kin. i kat. 4 no. 4 549-556 Jl-Ag '63.

DECONTAMINATION (FROM GASES, CHEMICALS, ETC.)
Special treatment. V. Lopatin, A. Shaliapin. Voen. vest. 41 no. 11 48-50 N '61.

DECORATION AND ORNAMENT see subdivision under Kubachi

DECORATION AND ORNAMENT, ARCHITECTURAL see subdivision under Uzbekistan

DEEDS
Answering our readers' questions. Sov. iust. no. 13:30-31 Jl '63.
"Problems of notarial law." Reviewed by V. Drizhchanyi. Rad. pravo no. 4:137-141 Jl-Ag '63.

DEEP DRAWING (METALWORK)
Edging of boxlike parts with wide flanges. V. S. Armenik. Kuz.-shtam. proizv. 5 no. 10:15-18 O '63.
Effect of external friction on the deep drawing process. V. M. Antonov. Kuz.-shtam. proizv. 5 no. 10,13-15 O '63.

DEEP-SEA DEPOSITS see subdivision under Azov, Sea of; Ionian Sea; Pacific Ocean; Tyrrhenian Sea

DEEP-SEA TEMPERATURE
An obsolete manual. L. I. Dubrovin, K. A. Sychev. Okeanologiia 3 no. 5:949 '63.

DEER, FOSSIL see subdivision under Dneprodzerzhinsk region

DEFENSE (CRIMINAL PROCEDURE)
Defense in cases concerning the fictitious transactions which lead to the pilfering of socialist property. S. Basis. Sov. iust. no. 19 14-16 O '63.

DEFENSES, NATIONAL see subdivision 'Defenses' under Europe, Eastern; Germany, West; Mediterranean Sea region; Turkey

DEFICIENCY DISEASES IN DOMESTIC ANIMALS
Methods of early diagnosis of mineral deficiency in cows. A. T. Labzina, M. A. Davydycheva, L. V. Ovtsyn. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:165-175 '61.

DEFICIENCY DISEASES IN SHEEP

Effect of cobalt supplements on the sugar content in the blood and the glycogen content in the liver of Romanov sheep in case of cobalt deficiency. M. I. Rambidi. Trudy VIZH 34 258-268 '62

DEFOLIATION

Effectiveness of new preparations for preharvest removal of leaves and drying of cotton in the experiments of 1956 and 1957. M. V. Kulikova. Trudy Ferg/OS no. 2 183-188 '59.

DEFORMATIONS (MECHANICS)

Calculating the resistance of metals to plastic deformation depending on the rate of deformation and the temperature. S. A. Seregin. Izv. vys. ucheb. zav. ; chern. met. 6 no. 8 82-84 '63.

Collisions of deformable bodies and simulating the process. Part 1. I. I. Vitman, N. A. Zlatin. Zhur. tekh. fiz. 34 no. 8 982-989 Ag '64.

Collisions of deformable bodies and simulating the process. Part 2. L. V. Belyakov, I. I. Vitman, N. A. Zlatin. Zhur. tekh. fiz. 34 no. 8 990-995 Ag '64.

Deformation and recrystallization textures of an alloy of Mo-35 at. % Re. I. M. Savitskii, Tao TSzu-tsun [Tao Tsu-tsung]. Fiz. met. i metalloved. 12 no. 6 879-882 D '61.

Deformation of structural elements made without knees. L. I. Rybov. Sudostroenie 29 no. 9, 12 S '63.

Effect of sub deformations on the pressure distribution and on the rigidity of guides. Z. M. Levina, V. I. Ostrovskii. Stan. i instr. 34 no. 9 9-13 S '63.

Effect of hydrogen on stressed and deformed steel at room temperature. M. B. Asvilian. Khim. mashinostr. no. 3 30-31 My-Je '63.

Plastic deformation of rolls on sheet mills. P. I. Polukhin, A. S. Kudriavtsev, N. G. Beta. Izv. vys. ucheb. zav. ; chern. met. 6 no. 9:110-113 '63.

Experimental determination of the role of grain boundaries in the general deformation of platinum during tension at a constant speed and heating from 20 to 1000°. M. G. Lozinskii, V. IA. Fetenets. Fiz. met. i metalloved. 16 no. 3:409-415 S '63.

Full-scale investigation of deformations in an anchored sheet piling. S. Bezlov. Mor. flot. 23 no. 9 40-41 S '63.

Instruments and methods for determining the coefficient of counterpressure in the concrete of hydraulic structures based on the measurements of the deformation of bodies. V. M. Moiseenko. Trudy OmSKhI 41 63-104 '60.

Investigating conditions of high-temperature deformation of high-melting metals. V. L. Orzhekovskii and others. Izv. vys. ucheb. zav. ; chern. met. 6 no. 9:88-91 '63.

Investigating crack growth in transformer and certain carbon steels. V. M. Finkel', V. A. Zraichenko, T. K. Delashkina. Fiz. met. i metalloved. 16 no. 3, 448-456 S '63.

Investigating the temperature-time dependence of the resistance to deformation in metals and steel. L. D. Sokolov. Izv. vys. ucheb. zav. , chern. met. 6 no. 8 93-101 '63.

Plastic tension of copper at various speeds and temperatures. A. E. Grishkevich, N. F. Kunin. Fiz. met. i metalloved. 16 no. 3:427-434 S '63.

Position of jumps on the tension curve of polycrystalline tin. R. I. Kuznetsov, V. A. Pavlov. Fiz. met. i metalloved. 12 no. 6, 919-921 D '61.

Pressure and flow of metal in rolling with grooved rolls. A. P. Chekmarev, V. M. Klimenko. Izv. vys. ucheb. zav. ; chern. met. 6 no. 9:92-102 '63.

Problem concerning the insertion of an indentor with crack formation. G. P. Cherepanov. Prikl. mat. i mekh. 27 no. 1 150-153 Ja-F '63.

Role of the geometric factor of deformation in the development of torsion of a bloom section during rolling. M. I. Bolarshinov, N. F. Gritsuk. Izv. vys. ucheb. zav. ; chern. met. 6 no. 8 68-71 '63.

Roots of Lamb's equation describing the deformation of a plate antisymmetric relative to its middle surface [with summary in English]. U. Nigul. Izv. AN Est. SSR, Ser. fiz.-mat. i tekh. nauk 12 no. 3:284-294 '63.

Some problems of plastic flow in a polygonal strip. G. IA. Gun, P. I. Polukhin. Izv. vys. ucheb. zav. ; chern. met. 6 no. 8 85-92 '63.

Using dimensional analysis for the determination of transverse deformation in rolling. B. S. Smirnov, A. K. Grigor'ev. Izv. AN SSSR. Met. i gor. delo no. 5 92-97 S-O '63.

DEFORMATIONS (MECHANICS)—MODELS

Optical polarization for the study of deformations in three-dimensional plastically-deformed plexiglas models. V. M. Zolotukhin, I. Z. Entin. Kuz.-shtam. proizv. 5 no. 10:10-13 O '63.

DEHYDRASES

Effect of microelements on the formation of heteroauxin and the dehydrase activity of some rhizosphere microorganisms. O. I. Bershova. Trudy inst. mikrobiol. no. 11:301-307 '61.

DEHYDRATION (CHEMISTRY)

Dehydration of polyvinyl alcohol. E. N. Rostovskii, L. E. De-Millo. Zhur. prikl. khim. 36 no. 8 1821-1824 Ag '63.

Dehydration of primary n-amyl alcohol and the accompanying isomeric conversions of pentenes on a calcium phosphate catalyst. L. Kh. Freidlin and others. Neftekhimiia 1 no. 1, 548-554 Jl-Ag '61.

DEHYDROGENASES

Histochemical determination of the activity of some dehydrogenases in autopsy material. E. F. Lushnikov, E. V. Rabina. Arkh. pat. no. 2:70-75 '63.

DEHYDROGENATION

Catalytic dehydrogenation of γ-trialkylsilylpropyl alcohols. Part 2. G. V. Golodnikov, V. V. Shashalina. Zhur. ob. khim. 33 no. 10 3262-3264 O '63.

Dehydrogenation of cyclohexane on oxides of rare earth elements. Kh. M. Minachev, M. A. Markov, O. K. Shchukina. Neftekhimiia 1 no. 4, 489-493 Jl-Ag '61.

Kinetics of isopropyl alcohol dehydrogenation in the liquid phase. Part 1. I. R. Davydova, S. L. Kiperman, N. V. Nikolaeva. Kin. i kat. 4 no. 4 605-613 Jl-Ag '63.

Role of the triplet state of aromatic amines in the photochemical reaction of dehydrogenation of alcohols at 77°K. V. E. Kholmogorov, E. V. Baranov, A. N. Terenin. Dokl. AN SSSR 152 no. 6 1399-1402 O '63.

DELACROIX, EUGENE, 1798-1863

Meeting with Delacroix. Igor' Dolgopolov. Ogonek 11 no. 33, 16-17 Ag '63.

The painting "Freedom at the barricades" by Delacroix. E. Kozhina. Iskusstvo 26 no. 8 55-59 '63.

DELIRIUM

Development of delirium in epilepsy [with summary in French]. V. M. Blinkher, R. I. Zolotnitskii. Zhur. nevr. i psikh. 63 no. 2 251-253 '63.

DELIRIUM TREMENS

Change in the morphological composition of "white" blood in acute alcoholic psychoses [with summary in English]. IU. L. Shapiro, A. G. Gofman. Trudy Gos. nauch.-issl. inst. psikh. 38 241-248 '63.

Clinical aspects in delirium tremens of jealousy [with summary in English]. G. N. Sotsevich. Trudy Gos. nauch.-issl. inst. psikh. 38:130-144 '63.

Conversion of delirium tremens into catatonic stupor [with summary in English]. F. F. Detengof. Trudy Gos. nauch.-issl. inst. psikh. 38, 145-151 '63.

Oxidizing processes in delirium tremens [with summary in English]. TS. P. Korolenko. Trudy Gos. nauch.-issl. inst. psikh. 38 235-240 '63.

Psychopathology of recurrent delirium tremens [with summary in English]. M. S. Shafranova. Trudy Gos. nauch.-issl. inst. psikh. 38 152-157 '63.

DELIVERY OF GOODS

Corrections dictated by life. A. Tuliagankhodzhaev, G. Fuks. Sov. torg. 36 no. 8:41-42 Ag '63.

DELIVERY OF GOODS (LAW)

"Commercial contracts in the U. S. S. R." by V. N. Mozheiko. Reviewed by V. Luts'. Rad. pravo no. 1:135-137 Jl-Ag '63.

Decisions of arbitration agencies. Rad. pravo no. 4:125-127 Jl-Ag '63.

Decisions of arbitration agencies. Sov. iust. no. 19:32 O '63.

DEMENEV, NIKOLAI VASIL'EVICH, 1903-

Nikolai Vasil'evich Demenev; on his 60th birthday. Izv. AN Kir. SSR, Ser. est. i tekh. nauk 5 no. 1 5-6 '63.

DEMENTIA PRAECOX see Schizophrenia

DEMOGRAPHY

Seminar on long-range estimates of the population, and the distribution and utilization of the labor supply in the Union Republics. A. Dzhagatspanian, A. Volkov. Vest. stat. no. 10:81-87 '63.

Two neglected fields of sociological studies. Kommunist 40 no. 17:81-86 N '63.

DEMOLITION, MILITARY

Mikhailov, E. P. [Demolition techniques] Podryvnoe delo. Moskva, Voenizdat, 1963. 126 p. (Biblioteka serzhanta)

DENDROCHRONOLOGY see subdivision under Novgorod

DENMARK—ECONOMIC CONDITIONS

Twelve days in Denmark. M. Derevnin. Sots. obesp. 24 no. 8:59-63 Ag '63.

DENMARK—PEACE

The Danish people want peace. Vsem. prof. dvizh. no. 10:40-41 O '63.

DENMARK—RELATIONS (GENERAL) WITH RUSSIA

Twelve days in Denmark. M. Derevnin. Sots. obesp. 24 no. 8, 59-63 Ag '63.

DENMARK—SHIPBUILDING

Danish-built ships. Sudostroenie 29 no. 9:70-71 S '63.

DEOXYRIBONUCLEASES

Clinic testing of deoxyribonuclease in adenovirus conjunctivitis. N. I. Morozkin, R. IA. Khersonskaia. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2 102-103 '63.

Effect of deoxyribonuclease on the multiplication of adenoviruses in tissue culture. R. I. Salganik, A. A. Trukhachev. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2 99-101 '63.

DEOXYRIBONUCLEIC ACID see Nucleic acids

DEPARTMENT STORES see subdivision under Minsk

DEPOSITION AND SEDIMENTATION see Sedimentation and deposition

DERMATOLOGY

Fluorescence diagnosis of some skin diseases [with summary in English]. M. A. Shteinberg. Vest. derm. i ven. 36 no. 10:17-22 O '62.

"Skin diseases, manual on dermatology and venereology," vol. 2. N. IA. Asnitskii. Vest. derm. i ven. 36 no. 10:84-87 O '62.

Some characteristics of the clinical aspects and diagnosis of skin diseases at the present time. S. T. Pavlov, V. I. Rakhmanov, N. S. Smelov. Vest. derm. i ven. 36 no. 2 3-8 O '62.

DERMATOLOGY—ATLASES

"Colored atlas of skin and venereal diseases" by P. P. Sukhistov, P. V. Kozhevnikov. Vest. derm. i ven. 35 no. 10:88 O '62.

DERMATOMYCOSIS see subdivision under Ternopol' Province

DERMATOPHYTES

Classification of dermatophytes and dermatomycoses. Irena Rdzanek. Vest. derm. i ven. 36 no. 10 42-44 O '62.

Method of isolating fungus cultures free of bacteria. L. S. Popov, L. I. Mishchenko. Vest. derm. i ven. 36 no. 1 41-46 O '62.

DERMATOVENEREOLOGICAL SOCIETIES see subdivision under Leningrad

DESCRIPTIVE GEOMETRY see Geometry, Descriptive

DESERT CANDLE

Biological and morphological characteristics of the eremurus as related to its origin and evolution [with summary in English]. A. P. Khokhriakov. Bot. zh. 48 no. 9 1310-1320 S '63.

DESERTS—CONGRESSES

Mezhrespublikanskaia nauchnaia sessiia po osvoeniiu pustynnykh territorii Srednei Azii i Kazakhstana, Ashkhabad, 1962. [Materials presented at the Interrepublic Scientific Session on the Reclaiming of the Desert Areas of Central Asia and Kazakhstan] Materialy dolozhennye na sessii. Ashkhabad, Izd-vo Akad. nauk TSSR.

[Book 1.] Natural conditions, animal husbandry, and feed supply of the desert. Prirodnye usloviia, zhivotnovodstvo i kormovaia baza pustyn'. 1963. 485 p.

[Book 2.] [Land and water resources of the desert and their utilization] Zemel'no-vodnye resursy pustyn' i ikh ispol'zovanie. 1963. 178 p.

DESIGN, DECORATIVE—ANIMAL FORMS

Animal artists of Moscow. D. Gorlov. Iskusstvo 26 no. 10, 41-46 '63.

DESIGN, INDUSTRIAL
(see also subdivision under Poland)

Factory, people and aesthetics. V. Druianov, IU. R. Chinskii. Sov. Soiuz no. 8:22-25 '63.

New developments in standard designing. A. A. Susankin, N. I. Guzenko, E. E. IAkobson. Strol. mat. 9 no. 10 33 O '63.

DESNA VALLEY—ANTIQUITIES

Yukhnovo Culture, its origin and development. V. F. Levenok. Sov. arkheol. 7 no. 3 79-98 '63.

DESULFURATION

Desulfuration of cast iron outside blast furnaces by the reduction of magnesium oxide by aluminum. M. A. Rabkin and others. Izv. vys. ucheb. zav. ; chern. met. 6 no. 9:28-32 '63.

Desulfuration of liquid carbon ferrochromium in vacuum. V. L. Kolotartsev, S. V. Bezobrazov. Izv. AN SSSR. Met. i gor. delo no. 5:38-41 S-O '63.

Mechanism of cast iron desulfuration. V. A. Grigorian, V. A. Marichev. Izv. AN SSSR. Met. i gor. delo no. 5 30-37 S-O '63.

Methods of desulfuration of cast iron. A. K. Zapol'skii. Met. i gor. norud. prom. no. 4 11-13 Jl-Ag '63.

DEUTERIUM COMPOUNDS—SPECTRA

Vibration spectra of cyclopentadiene and monodeuterocyclopentadiene. F. V. Sobolev, V. I. Melikyanian, A. A. Mirenov. Dokl. AN SSSR 157 no. 4 923-926 O '64

DEUTERIUM OXIDE

Sparkling pig or the story of melted snow. Vladimir Elagin. IUn. nat., no. 2:22-21 F '64

DEUTERONS

Study of the reaction Li^6 (d, α) He^4 at deuteron energies ranging from 1 to 2.5 Mev. IU. P. Antuf'ev. Izv. AN SSSR Ser. fiz. 27 no. 11 1451-1455 N '63.

DEUTERONS—SCATTERING

Elastic deuteron scattering on nitrogen, oxygen, and argon [with summary in English]. O. F. Nemets and others. Zhur. eksp. i teor. fiz. 45 no. 1, 850-851 O '63.

DEVYASHIKHA VALLEY—OLD BELIEVERS

In the country of birch islands. A. Shamaro. Nauka i tekh. 4 no. 8:32-36 Ag '63.

DIABASE see subdivision under Tyumen' Province

DIABETES

Changes in the proteins, lipoproteids and glucoproteids of blood serum, and the adrenocortical function in the sulfanilamide treatment of diabetes, abstract. M. B. Sheikman. Kaz. med. zhur. no. 1:109 Ja-F '61

Diabetes insipidus following fracture of the basis cranii, abstract. G. N. Akzhigitov. Kaz. med. zhur. no. 1: 109 Ja-F '61.

Effect of tissue therapy on the course of experimental (alloxan) diabetes. S. R. Muchnik, N. S. Shul'gina. Uch. zap. UEIGB 5:236-245 '62.

Treatment of diabetes insipidus by means of bitemporal diathermy of the brain; preliminary report. V. A. Pichugin, L. L. Rubo-Gol'dman. Trudy mol. nauch. sotr. MONIKI no. 1:169-173 '59.

DIAGNOSIS

Method of evaluating diagnoses made by first aid physicians. A. I. Kossaia, T. V. Grabovskaia, Zdrav. Ros. Feder. 7 no. 10 23-26 O '63.

DIAGNOSIS, CYTOLOGIC

Rhinocytoscopy in newborn infants as a method of early diagnosis of influenza. T. I. Buzhievskaia. Pediatriia 42 no. 5:20-27 My '64.

DIAGNOSIS, DIFFERENTIAL

Clinical aspects and differential diagnosis of lateral and medial hemorrhages. N. V. Lebedeva. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 61-62 '61.

Differential diagnosis of aminazine hepatitis and Botkin's disease [with summary in French]. Z. P. IAkson. Zhur. nevr. i psikh. 63 no. 2 280-283 '63.

Differential diagnosis of serous (aseptic) meningitis of enteroviral etiology (with respect to S. E. Ganzburg's and V. I. Freidkov's article). I. M. Manoim. Pediatriia 42 no. 5:40-42 My '64.

Importance of the study of unconditioned reflex salivation in differential diagnosis of tumors of the frontal lobe and posterior cranial fossa [with summary in French]. T. S. Malysheva. Zhur. nevr. i psikh. 63 no. 2:177-180 '63.

Subcutaneous Koch tuberculin test in the differential diagnosis of tuberculosis. R. I. Slepova. Kaz. med. zhur. no. 2:8-12 Mr-Ap '63.

DIALECTICAL MATERIALISM

Forms of practical use of objective laws. M. V. Asatrian. Izv. AN ArmSSR. Obshchestv. nauki no. 7 3-17 Jl '63.

[illegible]

A. V. Vostrikova, E. N. Chesnokova. Izd. 2. Moskva, Izd-vo VPSh, 1962. 471 p. (WU)

Philosophy and natural science. P. N. Fedoseev. Priroda 52 no. 9:3-8 '63.

Practice and experiment in social life. A. Shumilin. Polit. samoobr. 7 no. 11:50-55 N '63.

The science of communism. A. Rovaiev. Kommunist 40 no. 15:106-113 O '63.

Statistical laws as an expression of the necessary interrelations in nature. G. IA. Miakishev. Ist. i metod. est. nauk no. 2:121-134 '63.

What is the Marxist-Leninist attitude toward compromises. L. Semenov. Polit. samoobr. 7 no. 11:56-61 N '63.

DIALECTICAL MATERIALISM—DICTIONARIES

Ozental', M. M., and P. F. IUdin, eds. [Philosophical dictionary] Filosofskii slovar'. Moskva, Politizdat, 1963. 544 p.

DIALECTICAL MATERIALISM—STUDY AND TEACHING

Discussing the problems of historical materialism at student conferences. B. A. Erunov. Vop. metod. prep. marks.-len. filos. v vuz. no. 1:104-178 '63.

Methodological problems in the organization of independent work by students. A. A. Aznaurov. Vop. metod. prep. marks.-len. filos. v vuz. no. 1 150-163 '63

Recommended methods for a lecture on "Dialectical materialism and present-day natural sciences." E. M. Chudinov. Vop. metod. prep. marks.-len. filos. v vuz. no. 1 51-70 '63.

Recommended methods for an introductory lecture and student conferences on F. Engels' work "Ludwig Feuerbach and the death of classical German philosophy." L. S. Merzon. Vop. metod. prep. marks.-len. filos. v vuz. no. 1 30-53 '63.

Recommended methods for conferences on and examinations in dialectical and historical materialism. S. S. Batenin. Vop. metod. prep. marks.-len. filos. v vuz. no. 1 131-149 '63.

Some methodological problems concerning the teaching of dialectical and historical materialism in the institutions of higher education. IU. A. Krasin, G. M. Shtraks. Vop. metod. prep. marks.-len. filos. v vuz. no. 1 3-29 '63.

Test papers on Marxist-Leninist philosophy in the correspondence institutions of higher education. S. P. Dudel'. Vop. metod. prep. marks.-len. filos. v vuz. no. 1 179-186 '63.

DIAMONDS see subdivision under Yakutia

DIATHERMY

Treatment of diabetes insipidus by means of bitemporal diathermy of the brain; preliminary report. V. A. Pichugin, L. L. Rubo-Gol'dman. Trudy mol. nauch. sotr. MONIKI no. 1:169-173 '59.

DIATOMACEOUS EARTH

Use of diathomites in the production of insulin. S. Katkovskii, S. Shvarts, A. Nedobora. Mias. ind. SSSR 34 no. 5 48-50 '63.

DIATOMS see subdivision under Baikal, Lake, Pacific Ocean

DIAZO COMPOUNDS

Diazometric method of analysis. Report No. 2. Determination of phenols [with summary in English]. A. P. Terent'ev, I. S. Tubina. Zhur. anal. khim. 18 no. 7 880-883 Jl '63

Reactions of aliphatic diazo compounds with unsaturated compounds. Part 23: Reaction of ethyl ester of diazoacetic acid with diphenylacetylene. I. A. D'iakonov, M. I. Komendantov. Zhur. ob. khim. 33 no. 8:2448-2456 Ag '63.

DIAZONIUM COMPOUNDS—SPECTRA

Electron spectra of binary diazonium salts of bivalent copper and cobalt. L. A. Kazitsyna and others. Zhur. ob. khim. 33 no. 10 3243-3248 O '63.

DIBENZOCHRYSENEDIONE

Halogenanthanthrones. A. P. Karishin. Zhur. ob. khim. 33 no. 10 3200-3202 O '63.

DICKSON ISLAND—IONOSPHERIC RESEARCH

Akademiia nauk SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. [Dickson Island] Ostrov Dikson. Moskva. (Its: Materialy ionosfernykh issledovanii)

Sept. - Oct. 1957, 1962. 37 p.
Nov. - Dec. 1957, 1962. 27 p.
Jan. - Feb. 1958, 1962. 31 p.
Mar. - Apr. 1958, 1962. 35 p.
Sept. - Oct. 1958, 1962. 35 p.

DICOTYLEDONS

Principles of the structure of the conducting system in dicotyledon seedlings [with summary in English]. M. F. Danilova. Bot. zhur. 48 no. 9:1249-1270 S '63.

DICTATORSHIP OF THE PROLETARIAT

Against the dogmatic interpretation of the dictatorship of the proletariat. M. Skudar'. Komm. Ukr. 39 no. 10: 39-44 O '63.

Historical role of the dictatorship of the proletariat. M. A. Shafir. Sov. gos. i pravo 33 no. 10:98-106 O '63

DICTIONARIES—POLYGLOT

International electrotechnical commission. Mezhdunarodnyi elektrotekhnicheskii slovar', International electrotechnical vocabulary. Moskva, Fizmatgiz.
Group 11. Statcheskie preobrazovateli. Static convertors. 1963. 75 p.

DIDEROT, DENIS, 1713-1784

Denis Diderot. L. Litvinova. Sov. Soiuz no. 10:34-35 '63.

DIDI ATENI—MURAL PAINTING AND DECORATION

Notes on the dating of the mural painting of the Ateni Zion. G. V. Abramishvili. Soob. AN Gruz. SSR 30 no. 3:685-690 My '63.

DIE CASTING

Casting punching dies from alloyed steel scrap. A. N. Dobrovidov, I. O. Khazanov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11: 29-31 '63.

Precision casting methods in small-batch and test production. R. A. Korotkov. Alium. splavy no. 1.202-209 '63.

DIE CASTING—EQUIPMENT AND SUPPLIES

Lubricant for die-casting molds. A. L. Portnoi. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 31-32 '63

DIELECTRIC CONSTANT

Motion of a charge along the axis of an inhomogeneous cylindrical dielectric. G. M. Garibian, R. V. Karapetrian. Izv. AN Arm SSR Ser. fiz.-mat. nauk 16 no. 5 99-105 '63.

Non-threshold internal photoeffect in metals with intersecting bands [with summary in English]. M. I. Kaganov, I. M. Lifshits. Zhur. eksp. i teor. fiz. 45 no. 1 918-954 O '63.

Shakhparonov, M. I. [Methods of studying the thermal motion of molecules and the structure of liquids] Metody issledovaniia teplovogo dvizheniia molekul i stroeniia zhidkostei [Moskva] Izd-vo Mosk. univ 1963 280 p

Various methods for calculating dispersion in a helical wave guide with an anisotropic magnetodielectric medium [with summary in English]. B. V. Kondrat'ev. Ukr. fiz. zhur. 8 no. 8 844-851 Ag '63.

DIELECTRIC LOSS

Polarization energy losses of a charge moving along a circle in a medium with dispersion [with summary in English]. O. A. Vodiantskyi. Ukr. fiz. zhur. 8 no. 8 855-860 Ag '63.

DIELECTRICS

Dielectric loss, dielectric constant, and the effective dipole moment of polydimethylvinylethynylcarbinol. N. M. Kocharian and others. Dokl. AN Arm. SSR 37 no. 1 7-13 '63

DIES (METALWORKING)

Die for making shallow spherical parts. B. N. Liubarskii, A. M. Ol'sha. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10 33-31 '63.

Die for swagging squares. V. I. Rafal'skii. Mashinostroitel' no. 11 27 N '63.

Die for the riveting of cardan head disks for DT-54 and T-75 tractors. F. D. Mishchenko. Kuz.-shtam. proizv. 5 no. 10:16-17 O '63

Elastic rubber substituting for hard steel. G. Kachimov. Tekh. mol. 30 no. 8 4 '62.

Increasing the durability of forging dies. I. G. Bogachev. Kuz.-shtam. proizv. 5 no. 10 48-3 of cover O '63.

Movable lower die for the center punching of pipe. B. N. Liubarskii, A. M. Ol'sha. Kuz.-shtam. proizv. 5 no. 10:74-48 O '63.

DIESEL ELECTRIC POWER PLANTS

Alekseev, A. P., and E. E. Chekmenev. [Electrical machinery with carburetor engines] Elektroagregaty s karbiuratornymi dvigateliami. Moskva, Mashgiz, 1963. 294 p.

DIESEL ENGINES

Cherkasskii, E. B., and B. V. Alekseev. [Utilization of stationary diesel engines at grain elevators and grain-receiving stations] Ekspluatatsiia statsionarnykh dizelei na elevatorakh i khlebopriemnykh punktakh. Pod red. I. L. Krapivnera. Moskva, Zagotizdat, 1962. 162 p.

Determining the performance of a piston during gas-exchange processes in a two-stroke engine. IA. A. Egorov. Izv. vys. ucheb. zav., mashinostr. no. 8:192-196 '63.

Effect of the degree of compression on the indices of an engine with volumetric film carburation in an open chamber. V. V. Efros, P. I. Chirik. Trakt. i sel'khozmash. 33 no. 3 6-8 Mr '63.

A necessary book. V. Eremin. Tekh. v sel'khoz. 23 no. 8:93 Ag '63.

Temperature of the charge in the combustion chamber of a diesel engine during starting. E. A. Grigor'ev. Trakt. i sel'khozmash. 33 no. 7 9-10 Jl '63.

DIESEL ENGINES—COOLING

Temperature of the cooling water discharged from a diesel engine. G. I. Mikhalin. Energetik 11 no. 11:39-40 N '63.

DIESEL ENGINES—DESIGN AND CONSTRUCTION

Tanatar, D. B. [Diesel engines; their arrangement and design] Dizeli; kompanovka i raschet. Izd. 3., perer. i dop. Leningrad, Izd-vo "Morskoi transport," 1963. 430 p.

DIESEL ENGINES—FUEL SYSTEMS

Chirkin, A. P., and I. I. Reznik. [Diesel-engine fuel systems] Dizel'naia toplivnaia apparatura; spravochnik. Moskva, Mashgiz, 1963. 169 p.

Experimental determination of the characteristic of fuel injection. B. N. Fainleib, L. A. Klochev. Avt. prom. 29 no. 8:7-9 Ag '63.

Investigating the fuel system of the type D50 engine in connection with the increase of its power and economic efficiency. T. F. Kuznetsov, V. F. Bobrov, Z. I. Surzhenko. Sbor. nauch. st. KHIIT no. 03:21-26 '62.

DIESEL ENGINES—GOVERNORS

[illegible] P [illegible] 1975-[illegible]

DIESEL ENGINES—SUPERCHARGERS

[illegible] F I [illegible] 7 175-[illegible]

DIESEL ENGINES—TESTING

[illegible] D50 [illegible] F I [illegible] Bondarenko, Z.I Sorokina, S.P Sverdlik [illegible] 21-2 '62

[illegible] D50 engine, the [illegible] of the D50 engine at [illegible] (Peredovoi opyt) V.P Petrov, G.N Zaslavskii, Sbor. nauchn. st. KHIIT no.13 20 '62

[illegible] D50 [illegible] 45-48 '62

DIESEL FUELS

[illegible] I A Bulgakhtsev, E.P. [illegible] S.V Rozanova [illegible] 10 41-53 O '63

DIESEL FUELS—TOXICOLOGY

Skin diseases and measures for their prevention F.D Brener, I.I Sokolov Elek. i tepl. tiaga 7 no.10 33-34 O '63.

DIESEL LOCOMOTIVES
(see also subdivision under Kolomna, United States)

An answer to technical queries. Elek. i tepl. tiaga 7 no.10 35 O '63.

Maintenance of the control of the diesel generator unit of the [illegible] G.V.Glebov, Sbor. nauch. st. KHIIT no.8 [illegible] '62

Reduction of fuel consumption by the modernization of TE1 and TE2 diesel locomotives P.V Sverdlichenko, I.I Silaev, V.I Sokolov Sbor. nauch. st. KHIIT no.8 [illegible] '62

Investigation of the [illegible] engine with the frame [illegible] of the locomotive V.V Solomennikov Izv. vuzov, mashinostr. no.7 148-157 '63

More reliable performance of the drives for auxiliary machine units, V.A Borovkov Elek. i tepl. tiaga 7 no.10 11 O '63.

Problems of the [illegible] electric traction motors for diesel locomotives, V.A Vasil'ev Elektrotekhnika 34 no.9 37-41 S '63

Stall braking conditions of electric diesel locomotives, S.I. Dobrolenskii, K.M. Rudnev, B.N. Mitalev Elektrichestvo no.10 54-57 O '63

Vil'kovich, B.I. [Electrical network of the TE3 diesel locomotive] Elektricheskaia skhema teplovoza TE3 [text] 2, 4 p. Tashkent, Gos. izd-vo UzSSR, 1963 134 p.

DIESEL LOCOMOTIVES—COOLING

Cooling systems for the engine, pressure charged air, and electric machines of modernized TE1 and TE2 diesel locomotives, V.D. Verner Sbor. nauch. st. KHIIT no.8 37-41 '62

DIESEL LOCOMOTIVES—ELECTRIC EQUIPMENT

Electric circuit of TE10 and TEP10 diesel locomotives, V.Z Dubrovskii, E.G. Zaslavskii, V.I Koshevoi Elek. i tepl. tiaga 7 no.10 24-26 O '63.

DIESEL LOCOMOTIVES—EQUIPMENT AND SUPPLIES

Evaluation of the properties of oil-resistant rubber-and-metal shock absorbers for the axle equipment of TE3 diesel locomotives, Z.A Blinova, L.E Vinitskii, V.I. Rul'ko. Trudy TsNII MPS no.267 100-106 '63.

DIESEL LOCOMOTIVES—INSPECTION see subdivision under Irtsk

DIESEL LOCOMOTIVES—LUBRICATION

Less failures of diesel locomotives due to defects in lubricating systems, S.A. Sushchenko. Elek. i tepl. tiaga 7 no.10 19 O '63.

DIESEL LOCOMOTIVES—MAINTENANCE AND REPAIR
(see also subdivision under Orsk)

Careful handling and maintenance of pumps prevents the penetration of water into the lubricating oil of M753 and M756 diesel locomotives, A.M Kalmykov, M.S. Makarov. Elek. i tepl. tiaga 7 no.10 23 O '63.

Current maintenance of diesel locomotives on lengthened haul distance sections, V.A. Korolev, V.I. Nikitin. Avt., dor., trans. 45 no.10 64-66 O '63.

Increasing the power and economic efficiency of TE1 and TE2 diesel locomotives, A.I. Shedel, Sbor. nauch. st. KHIIT no.63 5-11 '62.

DIESEL LOCOMOTIVES—SPEED

Modification of the design of speed regulators, G.IA. Belobaev. Elek. i tepl. tiaga 7 no.10 22 O '63.

DIET

Eat to your pleasure! P. Ivanchenko. Ukraina no.13 12-13 Je '64

DIET IN DISEASE

Effect of diets of different qualitative composition on the clinical course of disease and lipid metabolism in patients with coronary atherosclerosis [with summary in English] G.S Korobkina and others Vop. pit. 22 no.1 17-22 Ja-F '63.

Nesterova, A.P., and V.A. Olenova. [Therapeutic nutrition in peptic ulcer] Lechebnoe pitanie pri iazvennoi bolezni. Moskva, Medgiz, 1963. 70 p. (Nauchno-populiarnaia meditsinskaia literatura) (DNLM)

Treatment of patients with peptic ulcers with antiulcer diets containing olive oil [with summary in English]. A.P Nesterova Vop. pit. 22 no.1 8-13 Ja-F '63.

DIFFERENTIAL DIAGNOSIS see Diagnosis, Differential

DIFFERENTIAL EQUATIONS

Akademiia nauk Uzbekskoi SSR. Tashkent. Institut matematiki. [Studies on differential equations] Issledovaniia po differentsial'nym uravneniiam. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1963. 204 p.

Alternative principle of the existence of periodic solutions to differential equations with delayed arguments. M.A Krasnosel'skii. Dokl. AN SSSR 152 no.4:801-804 O '63.

Approximate integration of the equations of undisturbed motion in the case of a singular root [with summary in English]. G.I. Mel'nikov. Vest. LGU 18 no.19 112-123 '63.

Asymptotic stability of the solution to a nonlinear parabolic system. IU.I. Domshlak. Prikl. mat. i mekh. 27 no.1 166-167 Ja-F '63.

Boundary value problem for Poisson's equation. A.F. Khrulev. Izv. vys. ucheb. zav., mat. no.5:129-132 '63.

Derivation of zero-order solutions of first-order differential equations. E.I. Gudo. Dokl. AN BSSR 7 no.10 655-656 O '63.

Elevating property of direct values of generalized potentials for the comparison function and main fundamental solution of a general second-order elliptic equation. Yan Tun. Dokl. AN SSSR 152 no.6:1288-1291 O '63.

Existence and uniqueness of the periodic solution to a certain nonlinear hyperbolic equation. V.N. Karpova. Izv. vys. ucheb. zav., mat. no.5:13-50 '63.

Fundamental solutions to elliptic equations. M.V. Lomonosov. Dokl. AN SSSR 152 no.2:269-271 S '63.

High-order correct schemes for the equation of multidimensional heat conduction. A.A. Samarskii. Zhur. vych. mat. i mat. fiz. 3 no.5 812-840 S-O '63.

Matveev, N.M. [Differential equations] Differentsial'nye uravneniia, metodicheskoe posobie dlia zaochnikov. [Leningrad] Izd-vo Leningr. univ., 1963. 414 p.

A method of proving nonlocal existence theorems for parabolic equations. P.O. Sobolevskii. Dop. AN URSR no.12 1552-1555 '61.

Mixed problem for a hyperbolic equation with a small parameter at the higher derivatives. M.G. Dzhavadov. Dokl. AN SSSR 152 no.4:790-793 O '63.

A problem for differential functional equations. A.B. Nersesian. Dokl. AN Arm. SSR 36 no.4 193-201 '63.

Qualitative study of a system of differential equations in the theory of oscillations. N.N. Serebrinkova. Prikl. mat. i mekh. 27 no.1:160-166 Ja-F '63.

Quasi-linear strongly elliptic systems of differential equations of divergent form. M.I. Vishik. Trudy Mosk. mat. ob-va 12 125-184 '63.

Regularity at the boundary of solutions to elliptic equations and conformal mapping. V.G. Maz'ia. Dokl. AN SSSR 152 no.6 1297-1300 O '63.

Solution of a Schrodinger type equation. A.G. Temkin. Dokl. AN BSSR 7 no.4 240-243 Ap '63.

Solution of a second-order hyperbolic differential equation by reducing it to a system of integral equations. T.V. Chekmarev. Izv. vys. ucheb. zav.; mat. no.5:146-153 '63.

Stability of periodic solutions to autonomous quasi-linear systems with a single degree of freedom. G.V. Plotnikova. Prikl. mat. i mekh. 27 no.1:168-170 Ja-F '63.

Stability of solutions to Hamiltonian equations in Hilbert space with unbounded periodic operator coefficients. V.I. Derguzov. Dokl. AN SSSR 152 no.6:1294-1296 O '63.

Stability of the center during periodical perturbations. V.K. Mel'nikov. Trudy Mosk. mat. ob-va 12:3-52 '63.

Stability of the undisturbed motion of a system of three equations in a certain critical case [with summary in English]. E.T. Sofronov. Vest. LGU 19 no.19, 77-84 '63.

Study of a dissipative system of the second order [with summary in English]. IU.N. Bibikov. Vest. LGU 18 no.19 14-26 '63.

Theory of errors in the Runge-Kutta method [with summary in English]. A.A. Kurmit. Vest. LGU 18 no.19: 35-48 '63.

Uniform difference schemes for a fourth-order equation with discontinuous coefficients. Khao Shou [Hao Shou]. Zhur. vych. mat. i mat. fiz. 3 no.5, 841-860 S-O '63.

Use of Poincaré - Andronov's method in [illegible] periodic solutions to differential equations with [illegible] arguments. IU.G. Borisovich [illegible] no.4:779-782 O '63.

Use of the method of differences in [illegible] Stefan problem. I.P. Vasil'ev, V.I. [illegible] vych. mat. i mat. fiz. 3 no.5:871 [illegible]

Use of the method of finite differences [illegible] single-phase Stefan problem. I.P. Vasil'ev [illegible] vych. mat. i mat. fiz. 3 no.5:861 [illegible]

Writing a kinetic equation in spherical [illegible] linear coordinates - resonance [illegible] skala. Zhur. vych. mat. i mat. fiz. [illegible] O '63

DIFFERENTIAL EQUATIONS, LINEAR

Proof of uniqueness of the classical solution of the boundary value problem for a general linear differential equation of a convex form. I.E. Nikol'skii. Izv. AN SSSR, Ser. mat. [illegible] S-O '63.

DIFFERENTIAL EQUATIONS, NONLINEAR

Existence and asymptotic behavior of [illegible] type solutions to a class of nonlinear [illegible] A.M. Il'in-Kalikov, V.A. Il'enogin. Mat. sb. no.3:261-274 N '63.

DIFFERENTIAL EQUATIONS, PARTIAL

Extremum properties of solutions to certain second-order partial differential equations and application to gas flows. D.B. Kilin. Uch. zav.; mat. no.5:56-58 '63.

DIFFRACTION

Theory of the diffraction of weak shock [illegible] of arbitrary shape. I.G. Filippov. Prikl. mat. 27 no.1,75-84 Ja-F '63.

Width of diffraction maxima as dependent [illegible] the crystal. P.A. Berzigiarian. Zh. O-va [illegible] stallografii 8 no.4:184-186 My-Je '63.

DIFFRACTION GRATINGS

Diffraction of electromagnetic waves on [illegible] equiperiodic gratings differently oriented [illegible] Tretiakov, V.P. Shestopalov. Zhur. tekh. fiz. 33 no.10,1241-1251 O '63.

Diffraction of electromagnetic waves on [illegible] metallic gratings. O.A. Tret'iakov, V.I. [illegible] Zhur. tekh. fiz. 33 no.10,1232-1241 O '63.

Operation of echelette gratings with gold [illegible] coatings in the wave length region [illegible] Lukianskii, I.P. Savinov, Iu.F. Shepelevich [illegible] 15 no.4 543-548 O '63.

DIFFUSERS—TESTING

Investigating the performance of the two-[illegible] type diffuser. I.I. Pitliiskii. Sudostroenie [illegible] 28-33 S '62.

DIFFUSION

Determining the coefficient of longitudinal [illegible] fusion in a channel with limited length [illegible] in English]. V.V. Dil'man. Inzh.-fiz. [illegible] 101-103 O '63.

Diffusion coefficients of binary mixtures of [illegible] carbon vapors into air. IU.D. Vasil'evskaia, [illegible] ucheb. zav.; neft' i gaz 5 no.1:59-61 '62.

Diffusion potential in metals and electrolytes [illegible] ahtein. Izv. vys. ucheb. zav.; khim. i [illegible] 135 '63.

Effect of local electric fields on the diffusion [illegible] in germanium. B.I. Boltaks, T.D. D'iakonova, [illegible] tver. tela 5 no.10:2818-2824 O '63.

Interdiffusion coefficients for certain gases [illegible] the optical method. B.A. Ivakin, P.F. [illegible] tekh. fiz. 33 no.9 1007-1010 Ag '63.

Niobium diffusion in titanium carbide in [illegible] of TiC - NbC of equimolar composition. M.I. [illegible] V.I. Tret'iakov, I.N. Chaporova. Fiz. met. i [illegible] 12 no.6:860-864 D '61.

Reactive diffusion of carbon, silicon, and [illegible] their alloys with iron. P.M. Shurygin, D.I. [illegible] Izv. vys. ucheb. zav.; chern. met. 6 no.8 [illegible]

Regularities of diffusion and viscous flow in [illegible] lides. E.A. Ukshe, IU.M. Riabukhin. Izv. [illegible] i gor. delo no.5:84-88 S-O '63.

DIGESTION

Digestive and metabolic processes in the gastrointestinal tract of sheep receiving various amounts of [illegible] sulfur and nitrogen in their rations. I.P. Pal'[illegible] Vsesoiuz. ord. trudovogo krasnogo znameni vses. in-ta eksper. vet. Trudy 31 no.1:100-113 '62.

Enzymatic activity of intestinal juice in calves. V.I. Degtiarev. Dokl. TSKHA no.80:249-255 '61.

DIGESTIVE ORGANS

Disorders and restoration of the activity of the [illegible] system in experimental radiation sickness. M.F. [illegible] sterin, K.V. Smirnov. Radiobiologiia 2 no.6 [illegible] '62.

DIKES (GEOLOGY) see subdivision under Megri District, Ordubad District

DIKSON ISLAND see Dickson Island

DILATOMETRY
Dilatometric investigation of phase transformations in 18,8 chromium steels. N. G. Shul'ga, M. F. Zamora. Izv. vys. ucheb. zav., chern. met. 6 no. 9:156-160 '63.
Structural and volume changes in Co-C and Ni-C alloys during heating and cooling. A. V. Baranov. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:118-155 '63.

DIMITROV, GEORGI, 1882-1949
A new study on Georgi Dimitrov. P. D. Pavlov. Nov. i noveish. ist. no. 5:158 '63.

DINOSAURIA see subdivision under Mongolia

DIODES
Fraslin, Z. M. [Two-electrode tube; manual on a course in "Electronic and transistor devices" (no. 2 of the section "Electronic devices")] Dvukhelektrodnaia lampa; uchebnoe posobie po kursu "Elektronnye i poluprovodnikovye pribory" (vtoroi vypusk po razdelu "Elektronnye pribory"). Moskva, Vses. zaochnyi elektrotekhnicheskii in-t sviazi, 1963. 46 p.

DIPEPTIDES
Behavior of some dipeptides in prolonged thermal extraction with organic solvents. A. A. Akimova, L. N. Akimova. Vest. Mosk. un. Ser. 2 Khim. 18 no. 5:62-64 S-O '63.

DIPHENYLAMINE
Two-quantum photochemical reaction. Photolysis of a frozen solution of diphenylamine in ethyl alcohol. Kh. S. Bagdasar'ian, V. I. Muromtsev, Z. A. Sinitsyna. Dokl. AN SSSR 152 no. 3:349-351 S '63.

DIPHOSPHITES
Bicyclic diphosphites based on pentaerythritol. Gil'm. Kamai, F. T. Mukmeneev. Zhur. ob. khim. 33 no. 10:3197-3201 O '63.
Polyphosphites. Part 6. Interaction of diaryl phosphoryl chlorides with dihydroxy compounds. N. A. Mukmeneva, P. A. Kirpichnikov, A. N. Pudovik. Zhur. ob. khim. 33 no. 10:3192-3196 O '63.

DIPHTHERIA
(see also subdivision under Nikolayevka, Tatar A. S. S. R., Novosheshminsk District, Tomsk Province)
Epidemiological role of carriers of the diphtheria bacillus in relation to its toxigenicity [with summary in English]. I. P. Vasil'eva, A. P. Gerasimenko. Trudy TomNIIVS 12:115-117 '60.
Experiment with preliminary preparatory immunization of horses in diphtherial hyperimmunization. S. D. Ro. 'zhina. Trudy TomNIIVS 12:226-230 '60.

DIPLOCOCCUS
Dynamics of the agglutinating and preventive properties of serum in herd bulls hyperimmunized against diplococcal infection. M. M. Kal'chenko. Visnyk sil'hosp nauky 6 no. 4:118-121 Ap '63.

DIPLOMACY
Secret of our diplomacy. A. Leonidov. Nov. vrem. 21 no. 45:7-10 N '63.
True face of the diplomacy of imperialism. V. Israelian. Kommunist 40 no. 15:124-127 O '63.

DIPLOMATS see subdivision under Cyprus; Togo

DIPOLE MOMENTS
Scattering on dipoles. A. G. Samoilovich, M. V. Nitsovich. Fiz. tver. tela 5 no. 10:2981-2984 O '63.

DIPPING NEEDLE
Dip needle for surveying frozen vertical holes in shaft sinking. V. A. Sinitsyn, A. S. Smirnov. Shakht. stroi. 7 no. 8:11-13 Ag '63.

DISABILITY EVALUATION
(see also subdivision under Ivanovo Province; Voronezh)
Adviser and assistant. M. Shutkina. Sots. obesp. 24 no. 8:4-5 Ag '63.
Diagnosis of ulcers. A. Ovchinnikov, Z. Molochkova. Sots. obesp. 24 no. 10:24-26 O '63.
Suit No. 1493. P. Semidetova. Sots. obesp. 24 no. 10:27-29 O '63.

DISARMAMENT
New books published abroad. Mir. ekon. i mezhdunar. otn. no. 10:156-157 '63.

DISARMAMENT—CONGRESSES
Declaration of the scientists' conference in Kyoto, Egami Fudzito and others. Mir. nauki no. 4:25-26 '62.
World Congress on General Disarmament and Peace. A. C. Offord. Mir. nauki no. 4:23-24 '62.

DISARMAMENT—ECONOMIC ASPECTS see subdivision under United States

DISCOVERIES (IN GEOGRAPHY)
An anniversary of the Pacific Ocean. IA. M. Svet. Priroda 52 no. 9:72-79 '63.

DISLOCATIONS IN CRYSTALS
Interaction of dislocations in twinning calcite crystals. V. V. Bengus. Kristallografiia 8 no. 3:413-419 My-Je '63.
Study of the dislocation structure and the multiplication of dislocations in cadmium crystals. N. A. Tiapunina and others. Kristallografiia 8 no. 3:405-412 My-Je '63.
Twins in equilibrium near the plane surface of an isotropic medium. A. M. Kosevich, L. A. Pastur. PMTF no. 5:77-82 S-O '63.

DISLOCATIONS IN METALS
Provocation by pickling of a dislocation movement in single-crystal molybdenum. IU. I. Demkin. Fiz. met. i metalloved. 16 no. 3:421-426 S '63.
Upper temperature boundary in the phenomena of jump-like flow in alloys and solid solutions. L. E. Popov and others. Fiz. met. i metalloved. 16 no. 3:457-462 S '63.

DISMISSAL OF EMPLOYEES see Employees, Dismissal of

DISPERSION
Experimental determination of the velocity of flying of highly dispersed particles. E. V. Donat. Prom. vent. no. 9:112-119 '60.

DISSERTATIONS, ACADEMIC
Collective research and dissertation. B. A. Denisov, I. IA. Diner. Vest. vys. shkoly 21 no. 10:36-38 O '63.
Lists of defended dissertations. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:23, 60, 133 '63.
Shevlakov, L. D. [How to work on a dissertation] Kak rabotat' nad dissertatsiei. Izd. 3., pererab. Moskva, Izd-vo Akad. nauk SSSR, 1954. 31 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila) (ICMILC)

DISSERTATIONS, ACADEMIC—BIBLIOGRAPHY see Bibliography—Dissertations, Academic

DISSOCIATION
Determination of the acid dissociation constants of β-diketones of the selenophene series. I. P. Efimov and others. Vest. Mosk. un. Ser. 2 Khim. 18 no. 5:49-53 S-O '63.
Determining the effective rate of dissociation of diatomic molecules [with summary in English]. L. A. Ladnova. Vest. LGU 16 no. 10:146-150 '63.
Dissociation of chlorophosphonazo III of (2, 7-bis)4-chloro-2-phosphonobenzolazo-(1, 8-dihydroxynaphthalene-3, 6-disulfonic acid). V. I. Fadeeva, I. P. Alimarin, V. M. Ivanov. Vest. Mosk. un. Ser. 2 Khim. 18 no. 5:44-48 S-O '63.

DISTILLATION
Biochemical and technological characteristics of germinated grain. A. G. Zabrodskii, A. F. Polozhishnik. Trudy UkrNIISP no. 5:63-69 '59.
Dependence of alcohol yield on the hold time in the continuous method of boiling to pulp of crushed rye grains. Z. K. Ashkinuzi, T. M. Drazhner, L. V. Kochkina. Trudy UkrNIISP no. 5:3-11 '59.
Equations for determining the coefficients of evaporation and rectification of isoamyl alcohol. B. D. Mitiushev, R. S. Petrova. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:127-133 '63.
Methods for determining sugar content and alcohol yield of defective molasses. Z. A. Raev, K. K. Bazilevich. Trudy UkrNIISP no. 5:103-112 '59.
More about the effect of the amount of water and of its automatic proportioning in the boiling to pulp of raw materials. A. G. Zabrodskii, N. K. Smirnov. Trudy UkrNIISP no. 5:13-20 '59.
Phase equilibrium between liquid and vapor in the three-component system ethanol-water-propanol. B. D. Mitiushev. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:123-126 '63.
Processing of the grains of the "Krasnoe Kubanskoe" variety of sorghum for alcohol manufacture. A. G. Zabrodskii and others. Trudy UkrNIISP no. 5:71-75 '59.
Studying the process of purification in a three-column beer rectifying apparatus. G. L. Visnevskaia, A. G. Egorov, E. V. Sokol'skaia. Trudy UkrNIISP no. 5:123-138 '59.

DISTILLATION, FRACTIONAL
Composition of the ether-aldehyde fraction. V. N. Stabnikov and others. Trudy UkrNIISP no. 5:139-145 '59.
Nitrogen compounds in the products of alcohol rectification. A. S. Egorov, G. L. Visnevskaia, E. V. Sokol'skaia. Trudy UkrNIISP no. 5:147-151 '59.
Operation of the stripping sections of complex columns. L. A. Balburskii, A. K. Manovian. Khim. i tekh. topl. i masel 8 no. 9:55-59 S '63.
Optimal reflux-to-product ratio during rectification. V. V. Popov, L. M. Popova. Khim. i tekh. topl. i masel 8 no. 10:1-3 O '63.
Reduction of a multicomponent mixture to a pseudobinary one taking the reflux-to-product ratio into account. V. F. Belugin, A. N. Planovskii. Khim. i tekh. topl. i masel 8 no. 9:6-10 S '63.

DISTILLATION, FRACTIONAL—EQUIPMENT AND SUPPLIES see subdivision under Germany, West

DISTILLATION APPARATUS
Simple fraction collector with a time indicator. A. D. Shutov. Trudy po khim. prirod. soed. no. 5:45-47 '62.

DISTILLERIES—EQUIPMENT AND SUPPLIES
Automation of the basic processes of the diluting shops. A. U. Mammina, V. IA. Pshevorskaia. Trudy UkrNIISP no. 5:99-102 '59.

DISTILLING INDUSTRIES
Efficient flow sheet for the processing of molasses in the distilling industry. A. L. Malchenko. Trudy UkrNIISP no. 5:77-87 '59.
Technological flow sheet for the processing of corn kernels with germ separation. S. M. Zolotarev. Trudy UkrNIISP no. 5:49-62 '59.

DISTILLING INDUSTRIES—BY-PRODUCTS
Oil extraction from corn kernels in the distilling industry. A. F. Polozhishnik, A. G. Zabrodskii. Trudy UkrNIISP no. 5:35-48 '59.

DISTILLING INDUSTRIES—EQUIPMENT AND SUPPLIES
Investigating the performance of a vibratory screening machine. B. D. Rabinovich. Trudy UkrNIISP no. 5:21-33 '59.

DISTRIBUTION (PROBABILITY THEORY)
Approximation of the distributions of sums of independent items by infinitely divisible distributions. A. N. Kolmogorov. Trudy Mosk. mat. ob-va 12:437-451 '63.

DISTRIBUTIVE EDUCATION
(see also subdivision under Kharkov)
Common work of a school and a department store. P. B. Kolovanskii, V. I. Kondrashov. Shkola i proizv. 7 no. 10:28-29 O '63.
Training of sales clerks. N. A. Zhuravlev, I. I. Golubovskii. Shkola i proizv. 7 no. 10:30-31 O '63.

DISULFIDE—THERAPEUTIC USE
Characteristics of remissions in chronic alcoholism following a course of antabuse treatment [with summary in English]. V. S. Andreeva. Trudy Gos. nauch.-issl. inst. psikh. 38:355-359 '63.
Complications in antabuse treatment [with summary in English]. B. V. Sokolova. Trudy Gos. nauch.-issl. inst. psikh. 38:344-351 '63.
Effect of relapses in alcoholism on the vascular system following antabuse therapy [with summary in English]. G. M. Fatin. Trudy Gos. nauch.-issl. inst. psikh. 38:122-129 '63.
Methodology of supporting antabuse treatment under the conditions of a psychoneurological dispensary [with summary in English]. V. V. Borinevich, A. G. Gofman, N. G. Shumskii. Trudy Gos. nauch.-issl. inst. psikh. 38:306-317 '63.

DITHIZONE
Determination of ultrasmall zinc impurities in salts of some metals by the use of the dithizone method. N. P. Diachenko, V. T. Chuiko. Trudy Kom. anal. khim. 14:303-304 '63.
Use of the chromatographic column in the fractional method for determining zinc with dithizone. L. P. Fedotova. Sbor. stud. rab. MTIMMP no. 7:42-44 '62.

DIVING, SUBMARINE see subdivision under Trakai (Trakai District); Ukraine

DIVING, SUBMARINE—COMPETITIONS see subdivision under Germany, East

DIVING, SUBMARINE—EQUIPMENT AND SUPPLIES
Work of the OKN and OKN-1M filters with new components. A. Zanchenko. Voen. znan. 39 no. 10:35 O '63.

DIVORCE
Examination of disputes concerning the partition of property in the dissolution of marriages. A. Gritsanov, B. Khaskel'berg. Sov. iust. no. 19:8-9 O '63.

DNEPRODZERZHINSK REGION—DEER, FOSSIL
Age-related variability of horns in the giant deer Megaloceros giganteus rufi Nehr. V. I. Svystun. Dop. AN URSR no. 12:1634-1638 '61.

DNEPROPETROVSK—BOOKSELLERS AND BOOKSELLING
The Party work. German Driubin. Sov. potreb. koop. 7 no. 11:9-11 N '63.

DNEPROPETROVSK—RUBBER INDUSTRY—LABOR PRODUCTIVITY
Pledges made by the collective of the Dnepropetrovsk Tire Plant in response to the initiative of the Yaroslavl enterprises. I. Dashevskii. Kauch. i rez. 22 no. 9:56 S '63.

DNEPROPETROVSK—THEATER
Quests, finds, and losses. IA. Han. Mystetstvo 10 no. 4:18-19 Jl-Ag '63.

DNEPROPETROVSK—TIRES, RUBBER
Scientific and Technical conference on tires. K. T. Novikov. Kauch. i rez. 22 no. 9:56-59 S '63.

DNEPROPETROVSK PROVINCE—ADULT EDUCATION

[illegible]

DNEPROPETROVSK PROVINCE—INDUSTRIES

[illegible]

DNIEPER BASIN—COAL GASIFICATION, UNDERGROUND

[illegible]

DNIEPER-DONETS LOWLAND—TRACE ELEMENTS

[illegible]

DNIEPER ECONOMIC REGION—BLAST FURNACES

[illegible]

DNIEPER ECONOMIC REGION—FORGE SHOPS

Specialization [illegible] forge shops in the Donets-Dnieper industrial [illegible] P. Skidan. Kuz.-shtam. proizv. 5 no. 9 37-41 S '63.

DNIEPER ECONOMIC REGION—ROLLING MILLS

[illegible] research carried out by the Technological Institute of Design and Construction for the Dnieper Economic Region. D. I. Firov. Met. i gornorud. prom. no. 4 47-50 Jl-Ag '63.

DNIEPER LIMAN—MOLLUSKS, FOSSIL

Data bearing on the existence and development of molluscs in the Dnieper-Bug Liman in the Sarmatian age. I. S. Babinets. Zool. zhur. Zool. inst. AN URSR no. 3 [illegible] '63.

DNIEPER RIVER—BREAM

Reproduction of bream (Abramis brama (L.)) in ponds in the lower part of the Dnieper River [with summary in English]. N. D. Pavlyl. Tr. AN SSSR ser. biol. 28 no. 4 527-534 Jl-Ag '63.

DNIEPER RIVER—HYDROBIOLOGY

Akademiia nauk URSR, Kiev. Institut hidrobiologii. [Problems of the ecology and cenology of the aquatic organisms of the Dnieper River] Pytannia ekologii i tsenologii vodnykh organizmiv Dnipra. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 140 p.

DNIEPER RIVER—MAPS

First map of the Dnieper. N. Zlenko. Ukraina no. 10 [illegible] '63.

DNIEPER VALLEY—ANTIQUITIES

Dating of the Chernakhov Culture. D. T. Berezovets. Sov. arkheol. 7 no. 3 97-111 '63.

DNIEPER VALLEY—AXES

A hard ax from the middle Dnieper Valley. V. V. Karlov. Sov. arkheol. 7 no. 3 207-209 '63.

DNIEPER VALLEY—GEOLOGY, STRUCTURAL

Compilation of a stream gradient map for rivers of the middle Dnieper Valley and its tectonic interpretation. M. H. Volko. Dop. AN URSR no. 12 1617-1621 '61.

DNIEPER VALLEY—HYDROGRAPHY

Compilation of a stream gradient map for rivers of the middle Dnieper Valley and its tectonic interpretation. M. H. Volko. Dop. AN URSR no. 12 1617-1621 '61.

DNIESTER VALLEY—MULCHING

Importance of mulching soils in the Dniester floodland. V. A. Cheshko. Nauch. trudy Vses. sel.-khoz. inst. no. 5 169-173 '62.

DNIPROVA, CHAIKA, pseud. see Vasylevs'ka, Liudmyla Oleksiivna, 1861-1927

DOCUMENTARY FILMS see Motion pictures, Documentary

DOCUMENTATION

Party considerations in documentation and information work. G. Riger. NTI no. 5 20-23 '63.

DOG SHOWS see subdivision under Voronezh

DOGFISH see subdivision under Sakhalin

DOGS—PARASITES see Parasites—Dogs

DOLGOPRUDNYY—DYES AND DYEING

Stepping into the future. N. Glebov, G. Shilov. Sov. voln. 45 no. 21 21 N '63.

DOMAIN STRUCTURE

Characteristic structural changes in phase transitions in antiferroelectric substances. I. S. Zheludev, V. N. Liubimov. Kristallografiia 8 no. 3:328-332 My-Je '63.

Characteristics of the magnetic structure of vicalloy. M. G. Luzhinskaia, IA. S. Shur, V. V. Serikov. Fiz. met. i metalloved. 12 no. 6:826-831 D '61.

DOMASHNIKOV, BORIS

Poets of a native land. IU. Osmolovskii. Iskusstvo 26 no. 8 31-37 '63.

DOMES

Conical roofing of radial thickeners. L. F. Perepadia, I. S. Khazanovskii. Biul. stroi. tekh. 20 no. 10 43-44 O '63.

DOMESTIC EDUCATION

Let's feel and understand beauty. B. Luk'ianov. Sem'ia i shkola 16 no. 10 34-35 O '63.

Like teachers us to understand beauty. V. Pashennaia. Sem'ia i shkola 18 no. 10 35-36 O '63.

DOMESTIC RELATIONS

Some suggestions concerning the amendment of family law. S. Voznitsyn. Rad. pravo no. 4 83-84 Jl-Ag '63.

DOMINICAN REPUBLIC—FOREIGN RELATIONS—UNITED STATES

The mistake of President Bosch. P. Nikolaev. Nov. vrem. 21 no. 43 20-21 O '63.

DOMINICAN REPUBLIC—POLITICS AND GOVERNMENT

The mistake of President Bosch. P. Nikolaev. Nov. vrem. 21 no. 43 20-21 O '63.

DONETS BASIN—COAL MINES AND MINING

Resolutions of the Scientific and Technical Council of the State Committee on the Fuel Industry of the State Planning Committee of the Council of Ministers of the U S S R. V. A. Nilovskii. Ugol' 38 no. 9 60-61 S '63.

"Ukraina" Mine begins operation ahead of schedule. A. N. Tkachenko. Shakht. stroi. 7 no. 8 32 Ag '63.

DONETS BASIN—COAL MINES AND MINING—LABOR PRODUCTIVITY

Fulfillment of the established plan by all enterprises is the basis of the creation of the material and technical base of communism. P. V. Gorokhov, V. P. Babkov. Ugol' 38 no. 9 3-4 S '63.

DONETS BASIN—CONCRETIONS

Characteristics of carbonate concretions in upper Visean deposits of the western regions of the Donets Basin. M. F. Kucherenko, A. V. Sokol's'ka. Dop. AN URSR no. 12 1614-1617 '61.

DONETS BASIN—MINE ACCIDENTS

Analysis of the causes of industrial injuries in mines of the Lugansk Economic Council's 1960. A. I. Stakhanov, S. V. Popalov. Nauch. trudy KHGI 11 45-49 '62.

DONETS BASIN—MINE HAULAGE

Leaving rocks in mines of the central Donets Basin. K. K. Gendel'. Nauch. soob. IGD 18 13-18 '63.

DONETS BASIN—MINE VENTILATION

Improve the ventilation layout of mines being reconstructed. V. I. Chebanov. Ugol' 38 no. 9 48-50 S '63.

Study of heat emissions from oxidizing processes in Donets Basin mines. IU. P. Luk'ianov. Nauch. trudy KHGI 11 22-26 '62.

DONETS BASIN—TRACE ELEMENTS

Minor elements in Upper Carboniferous sediments of the Donets Basin and the Dnieper-Donets Lowland. S. V. Litvin. Dokl. AN SSSR 152 no. 6 1453-1456 O '63.

DONETS BASIN—TURRITELLIDAE, FOSSIL

Revision of some Late Cretaceous Turritella in the northern margin of the Donets Basin [with summary in English]. M. IA. Blank. Vest. LGU 18 no. 18 5-14 '63.

DONETS ECONOMIC REGION—CITIES AND TOWNS

Urban settlement system of the Donets production-territorial complex. N. I. Blazhko. Vest. Mosk. un. Ser. 5. Geog. 18 no. 6 24-32 N-D '63.

DONETS ECONOMIC REGION—FORGE SHOPS

Specialization of forge shops in the Donets-Dnieper industrial regions. V. P. Skidan. Kuz.-shtam. proizv. 5 no. 9 37-41 S '63.

DONETS ECONOMIC REGION—SODA INDUSTRY

Daily train loads of soda. S. Ivanenko. Nauka i zhyttia 12 no. 3:54 Mr '63.

DONETSK—CHILDREN—NUTRITION

Vitamin C nutrition for boarding school students in Donetsk. N. A. Al'terman. Vop. pit. 22 no. 1:93-94 Ja-F '63.

DONETSK—CLOTHING INDUSTRY

Ways to improve the assortment and strength of the products of the Volodars'kyi Clothing Factory in Donetsk. H. B. Hubenko. Leh. prom. no. 3:37-39 Jl-S '63.

DONETSK BASIN—PROSPECTING—GEOPHYSICAL METHODS

Interpretation of gamma-gamma logging anomalies over Donetsk Basin coal seams. IU. I. Belotserkovets, A. G. Kuznetsov. Geofiz. razved. no. 12:100-110 '63.

DONETSK PROVINCE—EMPLOYEES, TRAINING OF

We should strictly observe Leninist principles [illegible] ing the officials of the party and the [illegible] trial enterprises. D. Belolobov. Komm. [illegible] no. 10 32-38 O '63.

DONETSK PROVINCE—INDUSTRIAL MANAGEMENT

Experience in reorganizing the administration [illegible] enterprises. V. G. Vishnikov. Sov. prom. [illegible] no. 10 49-54 O '63.

DONETSK PROVINCE—RADIO JOURNALISM

Toward a common goal. I. Domanov, V. [illegible] V. Kuzin. Sov. radio i tel. 11 no. 6 11 [illegible]

DOORS—STANDARDS

Change No. 5 in the All-Union State Standard [illegible] Biul. stroi. tekh. 20 no. 8 20 Ap '63.

DOPPLER EFFECT

Photometric distances to galaxies and the [illegible] [illegible] summary in English]. A. V. Zasov. Astron. [illegible] no. 5:868-873 S-O '63.

DOROSHEVICH, VLASH MIKHAILOVICH, 1861-1922

About Doroshevich and his feuilletons. V. [illegible] Nov. mir 39 no. 1:260-262 Ja '63.

DOSTOEVSKII, FEDOR MIKHAILOVICH, 1821-1881

Grossman, L. P. Dostoevskii. Moskva, Izd-vo [illegible] VLKSM "Molodaia gvardiia," 1962. 542 p. (Zhizn' zamechatel'nykh liudei. Seriia biografii, no. 22) [illegible]

DOUGH

Effect of sodium chloride on the activity of [illegible] lases. I. M. Roitel', N. I. Berezina. Izv. vys. [illegible] pishch. tekh. no. 4:44-46 '63.

Investigating salt concentration in the liquid [illegible] wheat dough. I. M. Roitel', N. I. Berezina. Izv. vuz. pishch. tekh. no. 4:47-52 '63.

DOVZHENKO, ALEKSANDR PETROVICH, 1894-1956

Artist and architect of life. Igor' Rachuk. [illegible] no. 7:16-24 '63.

"Dovzhenko Week" in the German Democratic Re[illegible] Mystetstvo 10 no. 3 23 My-Je '63.

Son of the people. V. Koatenko. Mystetstvo [illegible] 34-37 Jl-Ag '63.

DRAINAGE

(see also subdivision under Khiva Oasis; Kolyma Lowland; Kotovshchikovo region; Maritime Territory; Omsk Province; Siberia, Western; Ukraine, Western; Russia)

Experiment in the use of drainage under [illegible] sagging soils. P. G. Buniak, V. V. Kontsepol[illegible] stroi. 11 no. 10 23-27 O '63.

The regressive migration of drainage funnels, [illegible] formation of rugged upland steps, analysis of [illegible] tical differentiation of mountain slope in the [illegible] Pshenin. Vest. Mosk. un. Ser. 5. Geog. 18 [illegible] N-D '63.

Smirnov, T. E. [Where bogs used to be] Tam, [illegible] bolota. Moskva, Izd-vo sel'khoz. lit-ry, zhurnal[illegible] plakatov, 1963. 102 p. (DNAL)

DRAMA—HISTORY AND CRITICISM

Blok, V. B. [Stanislavskii's method and problems of dramaturgy] Sistema Stanislavskogo i problemy [illegible] turgii. Moskva, Vseros. teatral'noe ob-vo, [illegible] 193 p.

Gorbunova, E. N. [Problems in the theory of realistic drama; the unity of dramatic action and character] Voprosy teorii realisticheskoi dramy; o edinstve [illegible] ticheskogo deistviia i kharaktera. Moskva, Sovetskii pisatel', 1963. 500 p.

Literary conventionality and time; about creative style. IU. Mann. Nov. mir 39 no. 1 218-[illegible]

DRAWING

Beda, G. V. [Elements of the fine arts] Osnovy [illegible] tel'noi gramoty. Leningrad, Uchpedgiz, 1963. 152 p. illus.

Kasilan, Vasyl'. [Art of the graphic drawing] [illegible] grafiky. 2., dopovnene vydannia. Kyiv, Derzh. [illegible] obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1963. 43 p. (Bibliotechka z pytan' mystetstvaz)

DRAWING—INSTRUCTION

Contribution of painters to children. E. Sole[illegible] obr. no. 10:78-79 O '63.

Drawing from nature. T. Zernova. Doshk. vosp. [illegible] no. 10:20-25 O '63.

Sense of touch in graphic activities. S. Parasen[illegible] vosp. 36 no. 10:25-32 O '63.

DRAWING (METALWORK)

Calculating the stress-deformation state in draw[illegible] sidering the effect of anisotropy. N. F. Kolesnik[illegible] Kuz.-shtam. proizv. 5 no. 9:15-19 S '63.

EDGING

...dra'ic suspension of soil being taken in by floating ...tion dredges D V Roshchupkin Transp stroi 12 no 3 45-49 Mr '62

...ging compasses in channel dredging, IU. Pole... ...ch, Mor. flot 23 no 6-38 Ag '63

EDGING MACHINERY

...oring goutoon with piling A G Volik, I P Petrenko Transp stroi 12 no 3 32 Mr '62

EDGING MACHINERY—DESIGN AND CONSTRUCTION

...ket chain with removable buckets V. Burovets, Mor. f. 23 no. 6:36-38 Ag '63.

...SS MAKING

...e of nonwoven fabrics in the manufacture of women's ...esses. L. I Bobyleva, L N. Pankova, IU. D. Shiria... ...a. Sovem. prom. no. 3 21-23 Je-Jl [i e My-Je] ...1.

...SS MAKING—PATTERN DESIGN

...eloping basic patterns for the design of outerwear. ...M Rabinovich, S. L. Shekhter. Leh. prom. no. 3 16- ... Jl-S '63.

ED FOOD see Food, Dried

FT see subdivision under White Sea

...LL (AGRICULTURAL IMPLEMENT) see subdivision ...der Virgin Territory

...LLING AND BORING MACHINERY

...stable bush for centering drills. A. G. Sal'nikov, ...t. prom 29 no. 8-38 Ag '63.

...tromagnetic power brakes for drilling winches. ...G. Mogilevskii, I. I. Sud, L. I. Shturman. Elektri... ...stvo no. 10:70-74 O '63.

...drels designed by the innovators at the Kirov Plant. ...I. Zhukov. Mashinostroitel' no. 11:25 N '63.

...LLING AND BORING MACHINERY—PNEUMATIC ...HIVING

...matic attachment for drilling machines. I. A. Mi... ...s, M M. Rozenina. Mashinostroitel' no. 11:10 N ...3.

...LLING FLUIDS—THERMAL PROPERTIES

...hnical conditions and design of a device for recording ...e temperature of drilling fluids at the bottom of a hole ...ng drilled B I Esl'man, G G Goburov. Izv AN ...erb SSR Ser. geol -geog nauk i nefti no. 3,75-84 ...3.

...KING AND TRAFFIC ACCIDENTS

...es try to prevent the violation of traffic laws. ...Tkachenko. Rad. pravo no. 1 61-64 Jl-Ag '63.

...S

...imal standards for the turnover of merchandise, the ...ling of prescriptions for outpatient polyclinics and ...ne organizational forms for drug service to the pop... ...ation. A. K. Mel'nichenko, IU. I. Bobovich, A. P. Ko... ...n. Sbor. nauch. trud. TSANII 3:5-19 '62.

...S—ADULTERATION AND ANALYSIS

...pressure chromatographic analysis of some homeo... ...thic remedies of plant origin [with summary in Eng... ...h]. G. A. Vaisman, E. G. Sade. Apt. delo 12 no. 5: ...-39 S-O '63.

...electrochemical methods for the analysis of pharma... ...ceutical preparations. IA. M. Perel'man. Apt. delo ... no. 5:72-81 S-O '63.

...antimetric titration of mixtures of dibazol with papa... ...rine, salsoline, salsolidine and dionine [with sum... ...ary in English]. IA. M. Perel'man, K. I. Evstratova. ...t. delo 12 no. 5:27-31 S-O '63.

...S—ELECTRIC PROPERTIES

...itroconductivity of some granular drugs [with sum... ...ary in English]. L. D. Soboleva. Apt. delo 12 no. 5: ...-24 S-O '63.

...S—PRESERVATION

...servation of concentrations used in pharmacies for ...rette installations. K. D. Sedova, V. S. Kuznetsova. ...or. nauch. trud. TSANII 3:75-85 '62.

STORES—ACCOUNTING

...uting drugstores which operate on a business account... ...g basis. N. M. Gromova, L. M. Shurygina, M. T. ...rikh. Sbor. nauch. trud. TSANII 3:40-49 '62.

...ific fiscal economic activity of the pharmaceutical ...stem and some aspects of its economics. A. P. Ko... ...n. Sbor. nauch. trud. TSANII 3:20-39 '62.

KENNESS (CRIMINAL LAW)

...ria for the evaluation of behavior during alcoholic ...ication [with summary in English]. A. M. Khaletskii ...ly Gos. nauch. -issl. inst. psikh. 38:49-56 '63.

...cal and criminalistic evaluation of intoxication. ...M. Kalashnik. Sov. gos. i pravo 33 no. 10:120-125 O ...

...HNIN, NIKOLAI MIKHAILOVICH, 1886-

...erning Academician N. M. Druzhinin's letter. S. S. ...itriev. Vop. arkh. 8 no. 2:121-123 Ap-Je '63.

DRUZHKOVKA—STATISTICS

Valuable initiative. V. Loboda. Vest. stat. no. 10:71-72 '63.

DRYING

Calculating the duration of drying of pastelike materials in conveyor belt dryers [with summary in English]. B. S. Sazhin, IU. A. Miklin Inzh.-fiz. zhur. 6 no. 10 57-60 O '63.

Effect of the irregularity of the stay time of particles in a fluidized bed on the drying process [with summary in English]. J. Valchar Inzh.-fiz. zhur. 6 no. 10 33-39 O '63.

Heat and mass transfer during a constant drying speed [with summary in English]. IU. A Mikhailov, R. M. Borisikova. Inzh.-fiz. zhur. 6 no. 10:46-52 O '63

DRYING APPARATUS

Evaluation of the economic aspects of drying apparatus. P. I. Khranilov. Izv. vys. ucheb. zav. ; tekh. tekst. prom. no. 4:116-121 '63

DRYING APPARATUS—VENTILATION

Wood prevents fires. V. Moskalev. Pozh. delo 8 no. 9 27 S '62.

DU BOIS, WILLIAM EDWARD BURGHARDT, 1868-1963

Dr. Du Bois' remarkable life. Nov. vrem. 21 no 44:23 N '63.

In memory of William Du Bois. Nar. Az. i Afr. no. 5: 256 '63.

DUBINDA, PAVEL KHRISTOFOROVICH

Continuation of an exploit. B. Monastyrskii, N. Krivtsov. Sov. voin 41 [i. e. 45] no. 16:13 Ag '63.

DUBLIN—RUSSIAN LITERATURE

Some early printed Cyrillic books in Dublin. J. S. G. Simmons. Kniga, issl. i mat. 8:245-264 '63.

DUBOUKA, ULADZIMIR, 1900-

The hymns of labor. Khvedar Zhychka. Rab. i sial. 39 no. 9 7 S '63.

DUCK BREEDING

Comparative study on the early stages in the development of Peking and Muscovy ducks and their hybrids [with summary in English]. A. A Chilingarian, IU. A. Magakian. Zhur. ob. biol 24 no. 1:43-49 Ja-F '63.

DUCKS—DISEASES AND PESTS

Etiology of infectious sinusitis (grippe) in ducklings. P. F. TSimokh. Sbor. rab. mol. uch. VNIIP no. 4:203-209 '62

DUCKS—FEEDING AND FEEDS

(see also subdivision under Balkhash Lake region; Sverdlovsk Province; Ukraine)

Low-concentrate type of feeding ducklings raised for meat. E. V. Altab'ev. Sbor. rab. mol. uch. VNIIP no. 4:113-121 '62.

Optimum time for raising ducklings for meat. S. V. Sakatunov. Dokl. i soob. VNIESKH no. 15 120-127 '63.

DUKHOVSHCHINA DISTRICT—COLLECTIVE FARMS—MAPS

An interesting practice in compiling a geographical atlas of a collective farm territory. IU. G. Saushkin. Vest. Mosk. un. Ser. 5. Geog. 18 no. 6:69-71 S-O '63.

DUMP TRUCKS

Mounted platform. I. Evdokimenko. Tekh. v sel'khoz. 23 no. 6 72-74 Je '63.

DUROVA, NADEZHDA ANDREEVNA, 1783-1866

"With a swift and fiery pen...." E. Poliakova. Nov. mir 39 no. 2:268-269 F '63.

DUSHANBE—MOTION PICTURES, ANTIRELIGIOUS

Shadows of the past. I. Lazarev. Nauka i rel. 4 no. 8: 88-89 Ag '63.

DUST—PREVENTION see subdivision under Kazakhstan, Soviet Central Asia

DUST—REMOVAL

Kucheruk, V. V. [Removal of dust from ventilation air] Ochistka ventiliatsionnogo vozdukha ot pyli. Moskva, Mashgiz, 1963. 142 p.

Vsesoiuznyi nauchno-issledovatel'skii institiut okhrany truda. [Safety engineering and dust-removing ventilation of draw frames for flax spinning] Tekhnika bezopasnosti i obespylivaiushchaia ventiliatsiia na lentochnykh mashinakh l'nopriadil'nogo proizvodstva. Ivanovo, 1963. 15 p.

[MICROFILM]

DUST COLLECTORS

Dedusting of cone crushers. M. T. Kamyshenko. Prom. vent. no. 9:44-50 '60.

Dedusting of jaw crushers. M. T. Kamyshenko. Prom. vent. no. 9:37-43 '60.

Dedusting the fuel feed channels in the Ural Mountain region electric power plants. G. D. Brekson. Prom. vent. no. 9:120-124 '60.

General automatic control of electric filters. M. E. Vdovin. TSement 29 no. 5:17-19 S-O '63.

Generalizing the experience acquired in the dedusting of crushing departments of sintering plants and refractories manufactories A. M. Gervas'ev. Prom. vent. no. 9 5-12 '60

Hydraulic resistance of ducts in pneumatic dust removal systems. E. V. Donat Prom. vent no. 9 100-111 '60

Improving the design of foam filters. M. A. Rudakov. Ogneupory 28 no. 10 443-441 '63.

Using dry foam for eliminating dust from ball and tube mills. P. A. Kolevatov and others. Biul. tekh. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekh. inform. 16 no. 10 5-8 '63.

DUST COLLECTORS—STANDARDS

Improve the studies and construction of dust collecting equipment. V. N. Uzhov. TSement 29 no. 4:5-7 Jl-Ag '63.

DUTCH PAINTING see Painting, Dutch

DWARF FRUIT TREES see subdivision under Ukraine

DYES AND DYEING

(see also subdivision under Dolgoprudnyy)

Color of p-dialkylaminobenzylidene derivatives of 1-phenyl-3 methyl-5-pyrazolone. N F. Turitsyna, V S Il'inskaia. Zhur ob khim. 33 no. 8 2650-2655 Ag '63

Monotone dyeing of felt cones manufactured from wool and viscose fibers. A. V. Kol'tsova. Nauch. -issl. trudy TSNIISherstI no. 16,161-165 '61.

New dyes for the textile and knit goods industry. A. L. Bial'skyi. Leh. prom. no 3 24-29 Jl-S '63.

Optical properties of concentrated solutions, melts, and films of dyes Part 2 V M. Rubinov, V. A. Kizel'. Opt. i spekt 15 no. 4 512-521 O '63.

Synthetic dyes. Part 32. Condensation of N-aryl quinaldinium salts with aromatic nitro compounds. G. T. Pilugin, S. V. Shinkorenko. Zhur. ob. khim. 33 no. 10 3223-3228 O '63.

Synthetic dyes. Part 33. Synthesis of 1-o-methoxyphenyl-7, 8-benzoquinaldinium perchlorate and its transformations. G. T. Pilugin, E. P. Opanasenko, O. E Petrenko. Zhur. ob. khim. 33 no. 10, 3228-3231 O '63.

DYES AND DYEING—CELLULOSE

Kinetics study of the dyeing of cellulose fibers with vat dyes under various alkalinity conditions of the dye bath. V. G. Abozin and others. Izv. vys. ucheb. zav. ; tekh. tekst. prom. no. 1:108-115 '63.

DYES AND DYEING—CHEMISTRY

Investigating the hydrolysis of dyes containing chlorine derivatives of heterocycles as a reactive system. A. A. Kharkharov, S. I. Gurtovenko, I. IA. Kalontarov. Izv. vys. ucheb. zav. ; tekh. tekst. prom. no. 4:90-102 '63.

DYES AND DYEING—LEATHER

Kutovskii, M. IA., and V. IA. Livshits. [Recovery of organic solvents in dyeing with nitrocellulose enamel dyes] Rekuperatsiia organicheskikh rastvoritelei pri okraske nitroemaliami; stenogramma lektsii. Leningrad, 1962. 35 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serita: Zashchitnye pokrytiia)

DYES AND DYEING—RAYON

Effect of some organic solvents on the swelling of rayon fibers during dyeing. B. N. Mel'nikov, I. B. Kotova. Izv. vys. ucheb. zav. ; tekh. tekst. prom. no. 4:103-107 '63.

Use of vat dyes for dyeing wool and viscose fibers. V. A. Berezina. Nauch. -issl. trudy TSNIISherstI no. 16:110-130 '61.

DYES AND DYEING—SILK

Determination of the unevenness of silk dyeability. A. N. Demina, G. P. Kuz'mina, L. S. Romanova. Standartizatsiia 27 no. 10:41-45 O '63.

Standards for the fastness of silk dyeing. K. M. Markuze. Standartizatsiia 27 no. 8:40-53 Ag '63.

DYES AND DYEING—STANDARDS

Reviewing standards for organic dyers. S. S. Kagan. Standartizatsiia 27 no. 8 30-31 Ag '63.

DYES AND DYEING—TEXTILE FIBERS, SYNTHETIC

Dyeing of polyester lavsan fibers and fabrics made from wool and lavsan blends. A. A. Panicheva. Nauch. -issl. trudy TSNIISherstI no. 16:146-155 '61.

DYES AND DYEING—WOOL

Use of vat dyes for dyeing wool and viscose fibers. V. A. Berezina. Nauch. -issl. trudy TSNIISherstI no. 16:110-130 '61.

DYNAMICS OF A PARTICLE

Determination of the critical velocity of solid particles in horizontal pneumatic pipelines. V. T. Sitenkov. Khim. i tekh. topl. i masel 8 no. 9:51-54 S '63.

DYNAMOMETER

Electric elastic dynamometers for the measurement of cutting-force components in turning. V. F. Bobrov. Izv. vys. ucheb. zav. ; mashinostr. no. 7:197-200 '63.

Electrical dynamometers for measuring torque. G. K. Potapov. Trudy VISKHOMa no. 34:43-56 '62.

DYSENTERY

[illegible]

DYSTONIA

[illegible]

DZERZHINSK (GORKIY PROVINCE)—INSURANCE, SOCIAL—EMPLOYEES

[illegible] Ag '61

DZERZHINSKII, FELIKS EDMUNDOVICH, 1877-1926

[illegible] '63.

[illegible] Pozn. delo [illegible] '62.

DZHAMBUL PROVINCE—SMUTS

[illegible] Trudy [illegible] '62.

DZHANYBEK DISTRICT—OAK

Ecological differentiation of oak in dense plantations. S.N. Karandina. Soob. Lab. lesoved. AN SSSR no. 6 28-34 '62.

DZHAPARIDZE, UCHA MALAKIEVICH, 1906-

[illegible] Iskusstvo [illegible]

DZHIDA VALLEY—MINES AND MINERAL RESOURCES

Distribution of lithium, rubidium and thallium in vein formations and circumvein altered rocks in the Pervomayskiy sector of the Dzhida deposit. L.I. Agapova. Trudy IMGRE no. 7:71-78 '61.

EAR—DISEASES

[illegible] Trudy mol nauch sotr MONIKI [illegible] '59.

Use of the vagosympathetic blockade in otorhinolaryngological diseases and in otogenous sepsis. I.G. Triantafilidi. Trudy mol. nauch. sotr. MONIKI no. [illegible] '59.

EAR—SURGERY

Surgical treatment of patients with otogenous thrombophlebitis. I.G. Triantafilidi. Trudy mol. nauch sotr MONIKI no. [illegible]

EARTH—INTERNAL STRUCTURE

Study of the upper mantle and its effect on the development of the earth's crust. Geofiz. biul. no. 10 34-38 '61.

EARTH—ROTATION

Origin of flooded sea terraces in the light of the hypothesis on the dynamics of the earth's axis rotation. G.G. Khizanashvili. Okeanologiia 3 no. 5 930-935 '63.

EARTH SATELLITES see Artificial satellites

EARTH TEMPERATURE

Lebedev, T.S., and D.V. Korniets. [Heat of the earth] Teplo Zemli. Kiev, Izd-vo Akad nauk Ukrainskoi SSR, 1963. 63 p (Nauchno-populiarnaia literatura)

EARTHQUAKES

Bulletin of strong earthquakes in the U.S.S.R. in 1960. N.V. Vvedenskaia and others. Trudy Inst. fiz. Zem. 28. Vop. inzh. seism. no. 8 61-76 '63

[illegible] itektury SSSR. Institut Seismic stability of pre- Seismostoikost' sbornykh [illegible] S.V [illegible]

EARTHWORK

Davidovich, P.IA., E.S. Korentsvit, and A.M. Luchshev. [Earthwork and preparatory operations in the construction of pipelines] Zemlianye i podgotovitel'nye raboty na stroitel'stve magistral'nykh truboprovodov. Moskva, Gostoptekhizdat, 1963. 148 p

Using salt additives in concrete and earth work conducted in the winter. A.V. Mikhel'son. Stroi. truboprov. 8 no. 9 5 S '63.

We answer readers' questions. Transp stroi 12 no. 3 [illegible] '62

EAST (FAR EAST) see Far East

EAST (NEAR EAST) see Near East

EAST (SOVIET FAR EAST) see Soviet Far East

EAST CHINA SEA—SUBMARINE TOPOGRAPHY

Geomorphology of the East China Sea bottom. B.N. Kotenev. Vest. Mosk. un. Ser. 5 Geog. 18 no. 5.60-61 S-O '63.

EAST GERMANY see Germany, East

EASTERN EUROPE see Europe, Eastern

EASTERN ORTHODOX CHURCH see Orthodox Eastern Church

EASTERN SIBERIA see Siberia, Eastern

ECHINODERMATA

Blocking mechanism of polyspermy in echinoderms. A.S. Ginzburg. Dokl. AN SSSR 152 no 2;501-504 S '63.

ECHINODERMATA—EMBRYOLOGY see Embryology—Echinodermata

ECHO VIRUSES

Clinical characteristics of lesions in the nervous system caused by the ECHO type 9 virus [with summary in English]. S.E. Ganzburg. Pediatriia 42 no. 5:33-[illegible] My '63.

ECLIPSES, SOLAR

What has the camera lense "seen"? Priroda 52 no. 9: 124-125 '63.

ECLIPSES, SOLAR—1961

Electrophotometry of a selected region of the outer solar corona in the visible spectral region during the total solar eclipse of February 15, 1961. S.M. Poloskov, A.E. Mikirov. Geomag. i aer. 3 no. 5 803-811 S-O '63.

ECOLOGY

Elton, C.S. [The ecology of invasions by animals and plants. Translated from the English] Ekologiia nashestvii zhivotnykh i rastenii. Pod red. i s predisl. N.P. Naumova. Moskva, Izd-vo inostr. lit-ry, 1960. 228 p. illus. maps (ViU)

ECONOMIC ASSISTANCE

(see also subdivision under Asia, Southeastern, Congo (Leopoldville)

Disinterested friendly assistance is mutually profitable cooperation. I. Kapranov. Otv na vop. trud no 1 28-35 Ja '63

ECONOMIC ASSISTANCE, AMERICAN

What they buy with their dollars. V. Berezhkov. Nov. vrem. 21 no. 44:20-21 N '63.

ECONOMIC ASSISTANCE, RUSSIAN see subdivision under Asia, Southeastern, Ceylon; China

ECONOMIC ASSISTANCE, WEST GERMAN

West German monopolies are against the industrialization of the developing countries. S. Fil'shtinskii. Vnesh. torg. 43 no. 10 46-47 '63.

ECONOMIC GEOGRAPHY see Geography, Economic

ECONOMIC HISTORY

Brief news. Mir. ekon. i mezhdunar. otn. no. 10:127-129 '63.

Imperialism of the 1960's. V. Cheprakov. Kommunist 40 no. 17 34-48 N '63.

In the notebooks of propagandists. Komm. Bel. 37 no. 9:49-52 S '63.

The world of socialism and the sphere of capitalism, facts and figures. Komm Ukr. 39 no. 10:93-96 O '63.

ECONOMIC HISTORY—YEARBOOKS

[International yearbook; politics and economics, 1963] Mezhdunarodnyi ezhegodnik; politika i ekonomika, 1963 g. Moskva, Politizdat, 1963. 383 p

ECONOMIC RESEARCH

(see also subdivision under Siberia)

An annual theoretical conference at the Faculty of Economics of Leningrad University. O.A. Eliseeva, M.F. Solodnikov. Vest. LGU 18 no. 17 132-135 '63.

ECONOMICS

The basic economic law of [illegible] [with summary in English]. [illegible] LGU 18 no. 17:5-15 '63.

Critical evaluation of the bourgeois [illegible] perialism in the work of a Hungarian [illegible] Fitvanov. Vest. LGU 18 no. 1 [illegible]

In the Economics Faculty [illegible] Ekon. filos. 18 no. 1 90-[illegible]

The nature and structure of product [illegible] mary in English]. L.G. Ponomar[illegible] no. 17 121-125 '63.

Problems of political economy in [illegible] course. A. Klimov. Polit. [illegible] S '63

Tomsk. Universitet. Ekonomiko-[illegible] [Problems of economics, state, and [illegible] sions of the 22d Congress of the [illegible] 1962] Voprosy ekonomiki, gosudarstv[illegible] shenilakh XXII s"ezda KPSS, doklady [illegible] Tomsk, Izd-vo Tomskogo univ. [illegible]

ECONOMICS—ABSTRACTS

New abstract journal in the U.S.S.R. [illegible] Sov. bibl. no. 5:104-105 '61.

ECONOMICS—BIBLIOGRAPHY see Bibliography—Economics

ECONOMICS—PERIODICALS

The oldest economics journal. Nar. [illegible] 79 O '63.

ECONOMICS—STUDY AND TEACHING

(see also subdivision under Germany, [illegible])

Disseminate a knowledge of economics [illegible] Nar. khoz. Uzb. 5 no. 10.[illegible] O '63.

Kommunisticheskaia partiia Sovetsko[illegible] partiinaia shkola. Kafedra [illegible] gram for the course in fundamentals of [illegible] dustrial economics for workers [illegible] economic clubs and schools with [illegible] Programma po osnovam ekonomiki [illegible] promyshlennosti dlia rabochikh, [illegible] v nachal'nykh ekonomicheskikh kruzh[illegible] proizvodstvennogo obucheniia. Moskva, [illegible] i AON pri TsK KPSS, 1963. 15 p

Practical training of economics students. [illegible] A. Vlasov. Vest. Mosk. un. Ser. [illegible] no. 4:99-101 Jl-Ag '63.

ECONOMICS, MATHEMATICAL

Colloquium on the Use of Mathematics [illegible] Economic Research. A.B. Chelnutskii [illegible] 33 no. 10.94-95 O '63.

Conference on the use of mathematical [illegible] ning. V.P. Mozhin, V.P. Orlov. Izv. [illegible] Ser. obshchestv. nauk no. 1:115-119 '63.

Economics and automation. V.M. Glu[illegible] SSSR 33 no. 10-11-14 O '63.

Mathematical methods in economic [illegible] Organization of a Central Institute of [illegible] Economics of the Academy of Sciences [illegible] Vest. AN SSSR 33 no. 10:9-10 O '63.

Using mathematical methods in studying [illegible] relations. M. Eidel'man. Vest. stat. [illegible] '63.

ECUADOR—DESCRIPTION AND TRAVEL

Volcano Valley (conclusion). V. Berez[illegible] 21 no. 41:26-29 O '63.

ECUMENICAL MOVEMENT—CONGRESSES

For the Fourth Universal Conference [illegible] Organization." S. Preobrazhenskii. Zhur. [illegible] no. 8:41-46 Ag '63.

ECZEMA

Treatment of eczema and diffuse neurodermatitis [illegible] ACTH and cortisone in compound therapy. [illegible] bin. Vest. derm. i ven. 36 no. 10.79-81 O '63.

EDIBLE OILS AND FATS see Oils and fats, E[illegible]

EDITING

Author, editor, and book; an editor's notes. [illegible] shin. Knigaissl. i mat. 8:102-132 '63.

Riss, O.V. [Scouts of the printed word, on [illegible] publishing and the struggle with errors] [illegible] pechatnogo slova; o tochnosti izdaniia i bor'[illegible] kami. Moskva, Izd-vo "Iskusstvo," 1963. 15[illegible]

EDUCATION

(see also subdivision under Auliye-Ata [illegible], Buryat A.S.S.R.; Guinea; Japan; Ukraine; Yugoslavia)

Decisions of the June Plenum of the Central C[illegible] of the CPSU and the tasks of public education [illegible] E. Afanasenko. Nar. obr. no. 10:9-19 O '63.

Facts and figures. Vest. vys. shkoly 21 no. [illegible] '63.

Good initiative and useful deeds. Nar. obr. [illegible] O '63.

EDUCATION (Continued)

Kairov, I. A. [The new program of the CPSU and the tasks assigned to educational science] Novaia Programma KPSS i zadachi pedagogicheskoi nauki. Moskva, Akad. pedagog. nauk RSFSR, 1963. 94 p. (MH)

Let's improve the system of study and dissemination of progressive practice. Rad. shk. 42 no. 10:3-9 O '63

On the Lands of Volga L. Pavlova Nar. obr. no. 10 59-61 O '63.

Organizing the study, generalization and inculcation of progressive pedagogical practice. M. I. Boiko Rad. shk. 42 no. 10:10-17 O '63

[Pedagogy and public education abroad, abstracts] Pedag. i nar. obr. v zarub. stran no. 3 '62.

EDUCATION—BIBLIOGRAPHY see Bibliography—Education

EDUCATION—DICTIONARIES

Compiling a "Pedagogical encyclopedia." E. O. Konokotina. Vest. vys. shkoly 21 no. 10 96 O '63.

EDUCATION—PERIODICALS

Reading in the periodicals. Nar. obr. no. 10:123 O '63

EDUCATION—STUDY AND TEACHING

A. P. Chekhov on instruction. I. M. Geizer. Zdrav. Ros. Feder. 7 no. 11 42-43 N '63.

EDUCATION, COOPERATIVE
(see also subdivision under Germany, East, Kirov Province, Moscow, Turkmenistan; Ukraine)

Development of industrial training groups in schools. A. M. Ashko, T. A. Bachinskaia. Shkola i proizv. 7 no. 10 6-9 O '63.

Hygienic foundations of the system of practical work in school workshops and of factory practice for pupils of grades 5-9. R. G. Sapozhnikova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 8-11 '59

A lace handkerchief, a chisel, and some other things. Ed. El'tsishev. Mol. komm. no. 10 91-97 O '63.

Law on strengthening the ties between school and life and on the further growth of the public education system and tasks for hygienists. S. M. Grombakh. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 5-7 '59

Let's train the students for creative work. M. Zapovalov. Shkola i proizv. 7 no. 10 92 O '63.

Soviet schools and the creation of the material and technical base of communism. Shkola i proizv. 7 no. 10 2-3 O '63.

Teach and educate in the workshop. K. Mamzina. Polit. samoobr. 7 no. 7:33-34 Jl '63.

Work training and school traditions. I. I. Kirsanov. Shkola i proizv. 7 no. 10:34-37 O '63.

EDUCATION, COOPERATIVE—EXHIBITIONS see subdivision under Moscow

EDUCATION, COOPERATIVE—SAFETY MEASURES

Let's master the safe forms of training. A. F. Kriuchkov. Shkola i proizv. 7 no. 10 78-80 O '63.

EDUCATION, ELEMENTARY

In the first grade. A. Gromteeva. Sem'ia i shkola 10 no. 10 12-14 O '63.

Subject system in primary grades is fully justified. P. K. Bilash. Rad. shk. 42 no. 10:84-85 O '63.

We are for it! N. P. Koraun, K. D. Naida, E. Iu. Levina. Rad. shk. 42 no. 10:86-87 O '63.

EDUCATION, HIGHER
(see also subdivision under White Russia)

Book on the history of Soviet institutions of higher learning. B. A. Gotlober. Vest. vys. shkoly 21 no. 10:88-91 O '63.

[Bulletin of the Ministry of Higher and Secondary Specialized Education of the U. S. S. R.] Biul. Min. vys. i sred. spets. obr. SSSR no. 11 N '63.

Engineers should possess a thorough knowledge of mathematics. A. V. Lovingin, A. T. Chub. Vest. vys. shkoly 21 no. 10 59-61 O '63.

[Eureka! Higher school for all] Evrika! Vysshaia shkola dlia vsekh [n. p.] 1962. 18 p. [MICROFILM]

Let's combine communist ideas with communist activities. Vest. vys. shkoly 21 no. 10:3-5 O '63.

Let's use more widely the practice of educational innovators. A. S. Efimov. Vest. vys. shkoly 21 no. 10:80-81 O '63.

Methodological work is particularly important today. T. Kh. Margulova. Vest. vys. shkoly 21 no. 10:17-20 O '63.

EDUCATION, HIGHER—CONGRESSES

Moscow Symposium of Higher Education. C. F. Powell. Mir. nauki no. 4:1-6 '62.

EDUCATION, PRESCHOOL
(see also subdivision under Ukraine)

Coordination helps. T. Naumenko. Doshk. vosp. 36 no. 10:7 O '63.

Editor's mail. N. Grunenysheva. Doshk. vosp. 36 no. 10 99-100 O '63.

Let's train a generation worthy of the October! Doshk. vosp. 36 no. 10 1-3 O '63.

Matter of honor. I. Potapov. Doshk. vosp. 36 no. 10: 9-12 O '63.

EDUCATION, PRESCHOOL—PERIODICALS

Every family should have the periodical "Doshkol'noe vospitanie." F. Podkopaeva. Doshk. vosp. 36 no. 10 77 O '63.

EDUCATION, RURAL

Every collective farm and every brigade should have a kindergarten. O. Kuz'mina, A. Solov'eva. Doshk. vosp. 36 no. 10 78-81 O '63

EDUCATION, SECONDARY

Russia (1917- R. S. F. S. R.) Programmo-metodicheskoe upravlenie [Questions for graduation examinations in the eight-year school course for the 1962-1963 school year] Bilety dlia vypusknykh ekzamenov za kurs vos'miletnei shkoly na 1962/63 uchebnyi god. [Moskva] Uchpedgiz, 1963. 27 p.

EDUCATION OF CHILDREN

They want to become good people. T. Pecherskova. Polit. samoobr. 7 no. 7,122-124 Jl '63

EDUCATIONAL PSYCHOLOGY

Inculcating convictions. T. Panfilova. Polit. samoobr. 7 no. 9 102-104 S '63.

EDUCATIONAL PSYCHOLOGY—CONGRESSES

Results of the Second Congress of the Psychological Association. O. I. Zhavoronko and others. Rad. shk. 42 no. 10:78-83 O '63

EFERTS, ERNESTS, 1889-1927

Kirsentate, Ingrida. Ernests Eferts-Klusais. Riga, Latvijas PSR Zinatnu akad., 1962. 171 p. [In Latvian] (MH)

EFFECT OF TEMPERATURE ON METALS see Metals, Effect of temperature on

EFFICIENCY, INDUSTRIAL
(see also subdivision under Kazakhstan, Kharkov Province, Kiev, Soviet Central Asia; White Russia)

Perfection of the personnel structure and the organizational problems of production. K. P. Nikolaeva. Izv. SO AN SSSR no. 1, Ser. obshchestv. nauk no. 1:38-46 '63

Rapid development of the movement of inventors and efficiency experts in the heavy machinery industry of the U. S. S. R. A. V. Smirnov. Vop. ist. 38 no. 10:205-208 O '63.

Samknulo, G. M. [Economic efficiency of introducing new technology] Ekonomicheskaia effektivnost' vnedrenila novoi tekhniki, stenogramma lektsii. Leningrad, 1963. 36 p. (Leningradskii dom nauchno tekhnicheskoi propagandy. Serila: Derevoobrabatyvaiushchaia promyshlennost')

Students working on graduation projects bring to light economic potentialities of factories. V. V. Doronina. Vest. vys. shkoly 21 no. 10 25-26 O '63.

Victories in space are forged on earth. O. Ternovoi. Ovt. na vop. trud. no. 1:2-10 Ja '63

EGGS—PRODUCTION

Some aspects of the embryonic development of hens of the Zagorsk strain in various seasons. K. V. Zlochevskaia. Sbor. rab. mol. uch. VNIIP no. 4:155-165 '62.

EGYPT—INVESTMENTS, FOREIGN

Foreign monopolies in Egyptian industry (to the Second World War). L. A. Fridman. Krat. soob. Inst. nar. Az. no. 56:3-34 '63.

EGYPT—LABOR LAWS AND LEGISLATION

"History of the trade-union movement and labor laws of the United Arab Republic" [in Arabic] by M. F. Amin. Reviewed by A. M. Sakhatmuradov. Nar. Az. i Afr. no. 5:218-219 '63.

EGYPT—POSTAGE STAMPS

New face of the sphinx. L. Korneev. Az. i Afr. seg. no. 11:64 N '63.

EGYPT—TRADE UNIONS

"History of the trade-union movement and labor laws of the United Arab Republic [in Arabic] by M. F. Amin. Reviewed by A. M. Sakhatmuradov. Nar. Az. i Afr. no. 5:218-219 '63.

EGYPT—TRUSTS, INDUSTRIAL

Foreign monopolies in Egyptian industry (to the Second World War). L. A. Fridman. Krat. soob. Inst. nar. Az. no. 56 3-34 '63.

EHRENBURG, IL'IA GRIGOR'EVICH, 1891-

People, years, life. Book 5 (to be continued). I. Ehrenburg. Nov. mir 39 no. 1:67-112 Ja '63.

People, years, life. Book 5 (to be continued). I. Ehrenburg. Nov. mir 39 no. 2:107-143 F '63.

EIGENFUNCTIONS

Expansion in eigenfunctions of ordinary differential operators with irregularly disintegrating boundary conditions. A. P. Khromov. Dokl. AN SSSR 152 no. 6 1321-1326 O '63.

Multiplicity of the spectrum of a second-order differential operator, and expansion in eigenfunctions. I. S. Iats. Izv. AN SSSR Ser. mat. 27 no. 5 1081-1112 S-O '63

EISENSTEIN, SERGEI MIKHAILOVICH, 1898-1948

Friedrich Wolf's letter to Sergei Eisenstein, 1938. Iu. G. Murin. Ist. arkh. 8 no. 2:225 Mr-Ap '62.

ELASTIC PLATES AND SHELLS

Action of concentrated forces and moments on an elastic thin shell of arbitrary outline. G. N. Chernyshev. Prikl. mat. i mekh. 27 no. 1,126-134 Ja-F '63

Approximate equations describing creep of thin-walled shells. V. I. Rozenblium. Prikl. mat. i mekh. 27 no. 1 154-159 Ja-F '63.

Bending of a rectangular plate with built-in edges of various thickness. L. V. Zak. Trudy OmSKhI 41 175-198 '60.

Cracks propagating between two plane plates along a straight line of cementation. R. V. Goldshtein, R. L. Salganik. PMTF no. 5 62-68 S-O '63

Problem concerning elastic equilibrium of an anisotropic strip. S. G. Lekhnitskii. Prikl. mat. i mekh. 27 no. 1:119-129 Ja-F '63.

Reducing the problem of creeping shells to an equivalent nonlinear-elastic problem. R. M. Mirakosian. Izv. AN Arm. SSR Ser. fiz.-mat. nauk 16 no. 5 47-57 '63.

Rigorous solution of the axially symmetric problem in the theory of elasticity for a circular rigidly clamped plate. V. T. Grinchenko, A. F. Ulitko. Izv. AN Arm. SSR, Ser. fiz.-mat. nauk 16 no. 5 125-132 '63.

Roots of Lamb's equation describing the deformation of a plate antisymmetric relative to its middle surface [with summary in English]. U. Nigul. Izv. AN Est. SSR, Ser. fiz.-mat. i tekh. nauk 12 no. 3 281-294 '63.

Stress concentration around a hole in a cylindrical tank subjected to hydrostatic pressure. I. M. Pitogov. Izv. vys. ucheb. zav., mashinostr. no. 7 56-61 '63.

Stressed states of an elastic plate during the propagation of sinusoidal bending waves [with summary in English]. Y. Männi, U. Nigul. Izv. AN Est. SSR, Ser. fiz.-mat. i tekh. nauk 12 no. 3,273-283 '63

Theory of the bending of a wide strip. E. A. Popov. Vest. mashinostr. 43 no. 10 58-60 O '63.

ELASTIC RODS AND WIRES

Applying the method of finite differences to the calculations for compressed-bent rods. G. P. Khodorovich. Trudy OmSKhI 41:205-207 '60

Calculation of compressed and bent rods by the method of finite differences. V. I. Solomin. Trudy Ural. politekh. inst. no. 102 170-175 '61.

Calculation of frames with steplike supports for stability beyond the elastic limit. L. G. Lopatynskin. Trudy Ural. politekh. inst. no. 102 21-27 '61.

Stability of multispan rods resting on elastic supports. S. A. Rogitskii. Trudy Ural. politekh. inst. no. 102 1-20 '61.

Torsional rigidity of rods with a noncircular cross section. A. P. Potemkin. Izv. vys. ucheb. zav., mashinostr. no. 7 45-50 '63.

ELASTIC RODS AND WIRES—VIBRATION

Calculation of systems with a finite number of degrees of freedom for forced vibrations. S. A. Dobrodeev. Trudy Ural. politekh. inst. no. 102 56-66 '61.

Longitudinal vibrations of a bar with a stepped cross section and concentrated parameters. V. V. Shlikhtin. Teor. mash. i mekh. no. 92/93 96-110 '62.

ELASTIC SOLIDS

Problem concerning the insertion of an indentor with crack formation. G. P. Cherepanov. Prikl. mat. i mekh. 27 no. 1:160-153 Ja-F '63.

Vibrations of an elastic inhomogeneous layer having a curvilinear boundary and situated on an elastic inhomogeneous half-space. L. B. Levitin, G. A. Skuridin, K. P. Stanlukovich. Prikl. mat. i mekh. 27 no. 1:116-125 Ja-F '63.

ELASTIC SOLIDS—THERMAL PROPERTIES

Heat conductivity in bodies with a cylindrical anisotropy. M. M. Plotnikov. Izv. vys. ucheb. zav., mashinostr. no. 7:108-118 '63.

ELASTIC WAVES

Approximate theory of quasi-longitudinal elastic waves in crystals. F. I. Fedorov. Kristallografiia 8 no. 3: 308-404 My-Je '63.

Study of the absorption of elastic waves by rock samples under high confined pressures. A. I. Levykin. Trudy Inst. fiz. Zem. no. 23:50-54 '62.

Testing certain relationships between heat conductivity and other characteristics of a liquid [with summary in English]. S. S. Altynbaeva. Inzh.-fiz. zhur. 6 no. 11: 65-69 N '63.

ELASTICITY

Elastic equilibrium of a circular ring under the action of concentrated forces applied to one of the contours. N. I. Koroliev. Dokl. AN BSSR 7 no. 10 657-660 O '63.

Springiness during shape rolling. M. I. Bolarshinov, A. A. Burykin. Izv. vys. uchib. zav.; chern met 6 no. 9:126-132 '63.

Use of the method of least squares in solving a mixed problem in the theory of elasticity. S. G. Petrova. Izv. vys. uchib. zav., mat. no. 5:97-100 '63.

ELASTICITY—ELECTROMECHANICAL ANALOGIES

Solution of a plane problem in the theory of elasticity by the use of electric model studies. A. IE. Stepanov. Dop AN URSR no. 12:1575-1578 '61.

ELASTOMERS

Interaction of 2, 6-dimethylol-4-tert-butylphenol with unsaturated elastomers. L. V. Ginzburg, V. A. Shershnev, B. A. Dogadkin. Dokl. AN SSSR 152 no. 2:335-337 S '63.

Properties of siloxane elastomers containing Si-H bonds. S. N. Borisov. Kauch. i rez. 22 no. 10:5-8 O '63.

ELECTION DISTRICTS see subdivision under Tashkent

ELECTION LAW see subdivision under Azerbaijan; Komi A. S. S. R.

ELECTRIC ANESTHESIA

The EN-1 apparatus for the anesthesia of animals. A. S. Miagkov, O. N. Kuritsinikov. Sbor. stud. rab. MTIMMP no. 7:78-80 '62.

ELECTRIC APPARATUS AND APPLIANCES

Dependence of the principal dimensions of electrical apparatus on nominal current and voltage magnitudes. P. V. Sakharov. Elektrotekhnika 34 no. 9:52-56 S '63.

Verkhopiatnitskii, P. D. [Electrical elements of automatic-control systems] Elektricheskie elementy avtomatiki. Leningrad, Sudpromgiz, 1963. 534 p.

ELECTRIC APPARATUS AND APPLIANCES—SAFETY REGULATIONS

Gosudarstvennyi komitet po elektrotekhnike pri Gosplane SSSR. [Regulations for the manufacture of explosion-proof electrical equipment] Pravila izgotovlenila vzryvozashishchennogo elektrooborudovaniia. Izd. 2., dop. Moskva, Gosenergoizdat, 1963. 93 p.

ELECTRIC APPARATUS AND APPLIANCES—TESTING

Calculation of overvoltages in testing commutational capabilities of high-voltage apparatus with step-up transformers. G. E. Atafonov, O. B. Volovik. Elektrotekhnika 34 no. 10:37-41 O '63.

ELECTRIC ARC

Approximate equations for calculating the characteristics of certain welding arcs. G. I. Leskov. Avtom. svar. 16 no. 5:62-68 My '63.

Electric and technological characteristics of a three-phase welding arc in argon-arc welding of aluminum alloys. I. IA. Rabinovich, I. V. Vavulo. Svar. proizv. no. 10:7-10 O '63.

Some temperature characteristics of an arc jet [with summary in English]. E. V. Garkavyi, O. I. IAs'ko. Inzh.-fiz. zhur. 6 no. 11:50-51 N '63.

ELECTRIC BATTERIES

Electric resonance in electromechanical cells. A. V. Gorodyskii, E. V. Panov. Ukr. khim. zhur. 29 no. 8:883-884 '63.

Use of cells with a flowing electrolyte. N. E. Khomutov, T. N. Skornlakova. Zhur. prikl. khim. 36 no. 8:1772-1778 Ag '63.

ELECTRIC BRUSHES see Brushes, Electric

ELECTRIC CABLES

Experience in using cables at 110 kv. potentials. L. V. Popov, A. A. Serov. Energetik 11 no. 10:30-34 O '63.

Generalized formulas for calculating cables of track circuits for minimum copper content. A. D. Shumilov. Sbor. trud. LIIZHT no. 179:9-14 '61.

Long-distance railroad cable communication lines. D. A. Bunin. Avtom., telem. i sviaz' 7 no. 10:8-11 O '63.

BOARDS

Biul. stroi. tekh. 20 no. 8.

Determination and use of secondary parameters in the method of subsidiary circuits. A. A. Tiutin. Mat. mod. i elek. tsepi no. 1:226-237 '63.

Method for solving a system of algebraic equations for use in the design of electric circuits. N. G. Marsimovich. Mat. mod. i elek. tsepi no. 1:191-200 '63.

Stability of the operation of reversible linear converters connected to a complex linear d-c electric circuit. V. V. Vasil'ev. Mat. mod. i elek. tsepi no. 1:33-36 '63.

ELECTRIC CIRCUITS—ANALYSIS

Practical method for analyzing linear circuits. V. I. Pampuro. Mat. mod. i elek. tsepi no. 1:214-225 '63.

ELECTRIC COILS

Formation of short-front pulses of a magnetic field in inflector and deflector devices. Part 1 [with summary in English]. I. O. Hryshaiev, O. H. Il'in, O. M. Shenderovych. Ukr. fiz. zhur. 8 no. 8:861-868 Ag '63.

Formation of short-front pulses of a magnetic field in inflector and deflector devices. Part 2 [with summary in English]. I. O. Hryshaiev, O. H. Il'in, O. M. Shenderovych. Ukr. fiz. zhur. 8 no. 8:869-876 Ag '63.

A sphere in the field of a coil carrying current. A. V. Tumin. Zhur. tekh. fiz. 33 no. 9:1021-1030 S '63.

ELECTRIC CONDUITS

Use of electric conduits laid in structural elements. Biul. stroi tekh. 20 no. 8:29 Ag '63.

ELECTRIC CONTACTORS

Calculation of electrodynamic forces in contactors. V. E. Reshetnikov. Elektrotekhnika 34 no. 10:74-76 O '63.

Welding of electrical contactors during passage of large currents. O. B. Bron, N. G. Miasnikova. Elektrotekhnika 34 no. 10:41-47 O '63.

ELECTRIC CONTROLLERS

Conversion of the FR-61-4 phase regulator. V. D. Gross. Energetik 11 no. 10:37 O '63.

ELECTRIC CURRENT COLLECTORS—MAINTENANCE AND REPAIR

Burnishing as a means for increasing the hardness of collector copper. IU. N. Vinogradov, S. O. Knizhnik, N. N. Androsov. Elek. i tepl. tiaga 7 no. 10,11-12 O '63.

ELECTRIC CURRENT CONVERTERS

Calculating the volt-ampere characteristics of a thermoelectronic converter in the presence of diffusion. V. P. Karmazin, I. P. Stakhanov. PMTF no. 5:3-10 S-O '63.

Choice of transistors for converter circuits. A. S. Kapusta, L. M. Rapota. Avtom., telem. i sviaz' 7 no. 10:21-22 O '63.

Inductive converter with movable short-circuited closed loop and solid magnetic circuit. V. IA. Edush. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 3:121-131 '63.

Two-element circuit for the conversion of a single-phase current system to a three-phase system. S. S. Salikhov. Izv. AN Uz. SSR. Ser. tekh. nauk 7 no. 4:5-20 '63.

Voltage converter. E. Dodonov. Radio no. 10:51 O '63.

ELECTRIC CURRENT RECTIFIERS

The NSV-1 and NSV-2 low-voltage stabilized rectifiers. G. S. Dragun. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11:60-62 '63.

Some integral relationships in networks containing steel and rectifiers. IU. G. Tolstov. Elektrichestvo no. 10:89-91 O '63.

Time characteristics of a voltage doubling rectifier circuit. V. G. Korol'kov. Trudy VNAIZ no. 10:71-75 '62.

ELECTRIC CURRENTS—GROUNDING

Determination of the optimal distance between the pipeline and the anodic grounding. V. G. Kotik, N. P. Glazov. Stroi. truboprov. 8 no. 8:10-11 Ag '63.

Thermite welding of the joints of grounding devices. N. Ivanov. Zhil.-kom. khoz. 11 no. 12,34 D '61.

ELECTRIC CURRENTS—MEASUREMENT

Using nonlinear chains for the accurate measurement of current strength. V. V. Astaf'ev, V. A. Morozov, A. A. Buki. Svar. proizv. no. 10:33-35 O '63.

ELECTRIC CURRENTS, EDDY—MATHEMATICAL MODELS

Modeling the field of currents in a network of underground structures. O. V. Tozoni. Mat. mod. i elek. tsepi no. 1:97-113 '63.

ELECTRIC DISCHARGES

High-frequency resonance discharge in a cyclotron. B. A. Zager, V. G. Tishin. Zhur. tekh. fiz. 33 no. 9:1121-1130 S '63.

Investigating the parameters of electric discharges during hard facing with an electric arc. I. R. Patskevich. Avtom. svar. 16 no. 5:55-61 My '63.

Superhigh-frequency pulse discharge in long tubes. P. S. Bulkin, V. N. Ponomarev, G. S. Solntsev. Zhur. tekh. fiz. 33 no. 10:1222-1226 O '63.

ELECTRIC DISCHARGES THROUGH GASES

Excitation of inert gases in a positive d-c discharge column at medium pressures. Part 3. Upper levels of neon and argon. IU. M. Kagan and others. Opt. i spektr. 15 no. 4:446-452 O '63.

Interaction of shock waves. R. A. Antonova and others. Zhur. tekh. fiz. 33 no. 9:1137-1138 S '63.

Localization of a high-frequency induction discharge. M. D. Raizer, A. G. Frank, V. F. Kitaeva. Zhur. tekh. fiz. 33 no. 8:1011-1020 Ag '63.

Studying a discharge in a narrow cavity bounded on one or both sides by a dielectric. A. V. Dmitriev. Zhur. tekh. fiz. 33 no. 9:1104-1115 S '63.

Volt-ampere characteristics of a homopolar discharge tube. E. M. Drobyshevskii. Zhur. tekh. fiz. 33 no. 10:1210-1213 O '63.

ELECTRIC DRIVING

Method for studying some automated multiple-motor electric drives. Z. IA. Lurie, V. P. Teslenko. Elektrichestvo no. 11:50-53 N '63.

Method of optimum acceleration of an electric drive with a three-stator step-by-step motor up to synchronous rotation conditions. E. G. Barabanov. Izv. vys. uchib. zav., prib. 6 no. 5:34-40 '63.

Special features of the commutation of traction motors fed by single-phase rectifiers. V. E. Skobelev. Elektrotekhnika 34 no. 9,12-17 S '63.

Structural diagrams for mathematical modeling of stabilizing devices of electric drives. L. V. Mazin, O. A. Krylov. Elektrotekhnika 34 no. 10:61-63 O '63.

ELECTRIC ENGINEERING

Application of the theoretical principles of electrical engineering in the work of an industrial engineer. V. S. Khmelevskii. Elektrichestvo no. 10:80 O '63.

New stage in the development of electrical engineering. A. Iosif'ian. Elektrotekhnika 34 no. 10:1-3 O '63.

Present day requirements of a course in "Theoretical principles of electrical engineering." A. I. Dolginov, N. A. Mel'nikov. Elektrichestvo no. 10:83-85 O '63.

Some thoughts on the construction and outline of a course in "Theoretical principles of electrical engineering." I. A. Fedorova, G. E. Pospelov. Elektrichestvo no. 10:82-83 O '63.

Tasks, structure, and method for presenting a course in "Theoretical principles of electrical engineering." A. E. Kaplianskii, A. P. Lysenko, L. S. Polotovskii. Elektrichestvo no. 10:81-82 O '63.

ELECTRIC ENGINEERING—DICTIONARIES

International electrotechnical commission. Mezhdunarodnyi elektrotekhnicheskii slovar'. [International electrotechnical vocabulary. Moskva, Fizmatgiz.

Group 11. Statichesкie preobrazovateli. Static convertors. 1963. 75 p.

ELECTRIC ENGINEERING—HANDBOOKS, MANUALS, ETC.

[Electrician's manual in two volumes] Spravochnik elektrotekhnika v dvukh tomakh. Pod obshchei red. A. D. Smirnova. Moskva, Gosenergoizdat.

Vol. 2. No. 1. [High-voltage apparatus] Apparatura vysokogo napriazheniia. 1963. 104 p.

[Manual for electricians of industrial enterprises] Spravochnik elektrika promyshlennykh predpriiatii. Sost. L. B. Geller. Minsk, Gos. izd-vo BSSR, 1963. 587 p.

ELECTRIC ENGINEERING—MATERIALS

Drozdov, N. G., and N. V. Nikulin. [Study of electric engineering materials] Elektromaterialovedenie. 2., perer. i dop. izd. Moskva, Proftekhizdat, 1963. 348 p.

ELECTRIC ENGINEERING—SAFETY MEASURES

Hazard of high-frequency currents and protective measures in industry, from records of the International Scientific Conference of Representatives of Industrial Hygiene Institutes of Socialist Countries, held in Moscow on October 18-21, 1961. V. M. Ioffe. Kaz. med. zhur. no. 1:97-98 Ja-F '61.

ELECTRIC EQUIPMENT INDUSTRY
(see also subdivision under Moscow)

Awarding of the participants of the Exhibition of the Achievements of the National Economy of the U. S. S. R. Elektrotekhnika 34 no. 10:69-71 O '63.

ELECTRIC FANS see Fans, Electric

ELECTRIC FIELDS

Effect of an external electrical field on the frequency of nuclear quadrupole resonance. L. D. Pichakhchi, A. M. Ivanchenko. Zhur. strukt. khim. 4 no. 5:687-690 S-O '63.

Effect of local electric fields on the diffusion of antimony in germanium. B. I. Boltaks, T. D. Dzhafarov. Fiz. tver. tela 5 no. 10:2818-2824 O '63.

Optical properties of a gyroelectric medium. Part 3: Reflection problem for a gyroelectric medium. G. A. Bolotin, A. V. Sokolov. Fiz. met. i metalloved. 12 no. 6:785-791 D '61.

ELECTRIC FIELDS (Continued)

...ulation between the field effect and the properties of a point contact, L. I. Nesmelova. Fiz. tver. tela 5 no.10, 3023-3024 O '63.

...ic here in the field of a coil carrying current A. V. ...man. Zhur. tekh. fiz. 33 no. 9 1021-1030 S '63.

...face diffusion of adsorbed atoms in an electric field ...M. Gavrilluk, A. G. Naumovets. Fiz. tver. tela 5 ...10 2792-2798 O '63.

...ry of the motion of charged particles in a strong ...agnetic field in the presence of a strong transverse ...lectric field. V. S. Kudriavtsev. Dokl. AN SSSR 152 ...2 313-316 S '63.

ELECTRIC FILTERS

General automatic control of electric filters. M. E. ...dovin. TSement 29 no. 5 17-19 S-O '63.

Synthesis of an optimum filter for signals changing statistical properties at successive time intervals [with summary in English] Avtom. i telem. 24 no. 10: 1310-1337 O '63.

ELECTRIC FURNACES

Heat treatment of rod-shaped parts by heating in an induction furnace with a lateral magnetic field. D. G. Zabuldovich, A. IA. Livovskii. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10, 30-33 '63.

Role of the electric resistance of slag in electric arc, steel-smelting furnaces. B. M. Nikitin, N. M. Chuiko. Izv. vys. ucheb. zav., chern. met. 6 no. 8 60-67 '63.

Stability of linings in steel-smelting arc furnaces. M. N. Barbucheva, P. IA. Terekhina. Ogneupory 28 no. 10 456 460 '63.

ELECTRIC GENERATORS

Approximate calculation of transients in electrical systems during the change in generator speed. Khe IAn-tszian', [He Yang-tsan]. Izv. vys. ucheb. zav., energ. 6 no. 6 7-11 Je '63.

Performance of synchronous generators without excitation in electric ship systems. G. Barshchevskii. Mor. flot 23 no. 8:22-25 Ag '63.

Protection of synchronous generators on "Krasnograd"-type motorships. O. Dolgikh. Mor. flot 23 no. 8:26-28 Ag '63.

Study of heat transfer in electrical machines using a new method. V. A. Grishin. Elektrotekhnika 34 no. 9 31-34 S '63.

System for forming and testing high-current mercury rectifiers with medium voltage rating. N. I. Lavrov. Elektrotekhnika 34 no. 9 44-51 S '63.

ELECTRIC INDUSTRIES—HYGIENIC ASPECTS see subdivision under Kol'chugino (Vladimir Province); Moscow

ELECTRIC INSTRUMENTS

Exhibition of British electronic instruments. P. S. Bogusiavskii. Elektrotekhnika 34 no. 9, 77-80 S '63.

ELECTRIC INSULATORS AND INSULATION

Electrical strength of some gases at increased pressures. A. M. Zaleeskii, A. I. Poltev. Elektrichestvo no. 11, 57-61 N '63.

Insulating machine for armature coils of an electric traction motor. A. I. Sinenko. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11: 62-63 '63.

New designs of supporting rod insulators for outdoor use. V. N. Trusova, S. A. Perfil'eva. Elektrotekhnika 34 no. 10 77-78 O '63.

New method of detecting dislocation of structure in molded parts of electric insulators. M. V. Belonogov. Stek. i fer. 20 no. 8:28-31 Ag '63.

Study of the process of aging in high-voltage ceramic materials. G. N. Maslennikova, N. K. Krasnogolovyi, A. F. Buchenkova. Stek. i ker. 20 no. 8:26-28 Ag '63.

Suspension insulators for overhead power transmission lines. N. K. Krasnogolovyi and others. Elektrotekhnika 34 no. 9:73-75 S '63.

Voltampere characteristics of a gliding discharge. V. V. Berisov, P. N. Dashuk, G. G. Lysakovskii. Izv. vys. ucheb. zav., energ. 6 no. 6:24-31 Je '63.

ELECTRIC INSULATORS AND INSULATION—TESTING

Insulation of electrical machines and methods for testing it" by N. A. Kozyrev. Reviewed Z. G. Kaganov. Elektrichestvo no. 10, 95-96 O '63.

ELECTRIC LAMPS

Increase in the life of DKSSh-1000 xenon lamps. IU. M. Nikitenko, R. E. Rovinskii. Svetotekhnika 9 no. 10, 15-18 O '63.

Light characteristics of spherical impulse lamps operating with ignition repetition frequencies up to 10 kc. V. P. Ivanov, N. I. Khoves. Svetotekhnika 9 no. 10: 18-20 O '63.

Nitrogen impulse lamps. L. N. Bykhovskaia, I. Sh. Libin, F. A. Chernaia. Svetotekhnika 9 no. 10:21-22 O '63.

ELECTRIC LIGHTING

Average cylindrical illumination. M. M. Gutorov. Svetotekhnika 9 no. 10:10-13 O '63.

Calculation of the illuminance emanating from a rectangle of even brightness. R. A. Sapozhnikov. Svetotekhnika 9 no. 10 13-15 O '63.

Color transmission and methods for measuring it. R. S. Ioffe, D. A. Shklover. Svetotekhnika 9 no. 10 1-7 O '63.

Improved automatic system for regulating electric lighting in stairways. V. I. Litvak. Svetotekhnika 9 no. 10 27-29 O '63.

Plenum of the lighting engineering section of the Central Committee of the Main Administration of the Scientific and Technical Society of the Power Industry. D. A. Zil'bar, V. V. Temlatiev. Svetotekhnika 9 no. 10 30-31 O '63.

Through the pages of foreign magazines. Svetotekhnika 9 no. 10 31 O '63.

ELECTRIC LINES
(see also subdivision under Siberia)

Experience in using cables at 110 kv. potentials. L. V. Popov, A. A. Serov. Energetik 11 no. 10 30-34 O '63.

ELECTRIC LINES—OVERHEAD

Burkovskii, E. S., and others. [Signaling of damages in overhead electric-power distribution networks] Telesignalizatsiia povrezhdenii v vozdushnykh raspredelitel'nykh setiakh, energetika Riga, TSentr. biuro tekhn. informatsii, 1962 10 p. (Listok tekhnicheskoi informatsii)

Bykhovskii, IA. L. [Principles of the theory of high-frequency telecommunication using overhead power transmission lines] Osnovy teorii vysokochastotnoi sviazi po liniiam elektroperedachi. Moskva, Gosenergoizdat, 1963. 182 p.

Efficiency expert and master of several professions. I. A. Klishin. Energetik 11 no. 11:38-39 N '63.

Lashing of the wires of an overhead power transmission line. N. M. Dubrovskii, G. F. Neshta. Elek. sta. 34 no. 8:76-78 Ag '63.

Mel'chukov, A. E., V. V. Ovseenko, and N. P. Putnik. [Preliminary planning of electric power transmission-line routes] Predvaritel'nye izyskaniia trass linii elektroperedachi. Moskva, Gosenergoizdat, 1963, 222 p.

Portable machine for cutting wires and lines in the erection of overhead power transmission lines. V. F. Epishin. Energetik 11 no. 11:28-29 N '63.

Possibilities of correcting the unit costs of overhead electric power transmission lines. A. V. Saikо Izv. vys. ucheb. zav., energ. 6 no. 6:124-129 Je '63.

Suspension insulators for overhead power transmission lines. N. K. Krasnogolovyi and others. Elektrotekhnika 34 no. 9:73-75 S '63.

Tests in the maintenance of 110 kv. overhead power transmission lines with two-circuit single poles. P. M. Ponomarev, V. I. Shmarovoz. Elek. sta. 34 no. 8:73 Ag '63.

Use of UVN-60 potential indicators on 6 to 10 kv. overhead power transmission lines. G. I. Kisman. Energetik 11 no. 10:26-27 O '63.

ELECTRIC LINES—POLES AND TOWERS

New deep-set foundation for power transmission line towers in a floodplain. N. N. Tavkhelidze. Elek. sta. 34 no. 8:75-76 Ag '63.

Redesigning of two-circuit reinforced concrete 110 kv. power transmission line poles. V. IA. Polei. Energetik 11 no. 11:25-28 N '63.

ELECTRIC LOCOMOTIVES

Choice of methods for voltage regulation in a. c. electric locomotives. V. L. Bezludov. Izv. AN SSSR. Energ. i transp. no. 5:608-611 S-O '63.

Method of calculating the regeneration characteristics in generation braking with axle-driven exciters. G. Sh. Aliev. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 3:103-107 '63.

Practical recommendations on the operation of the ChS2 electric locomotive. IU. V. Senlushkin, V. T. Rogov, G. A. Chilikin. Elek. i tepl. tiaga 7 no. 10:27-28 O '63.

Tbilisskii elektrovozostroitel'nyi zavod. [The VL8 electric locomotive; book of instructions] Elektrovoz VL8; instruktsionnaia kniga. Moskva, Transzheldorizdat, 1963. 301 p.

——— Diagrs.

ELECTRIC LOCOMOTIVES—ELECTRIC EQUIPMENT

Advantages of the high-voltage regulation of a. c. locomotives. N. A. Kostin, V. P. Shtorn. Zhel. dor. transp. 45 no. 10:69-70 O '63.

Condenser protection of type EKG-60/20 main controllers. E. V. Kudriavtsev. Elek. i tepl. tiaga 7 no. 10: 15-16 O '63.

More about short circuits in the low voltage wiring of VL8 electric locomotives. V. K. Gerlovskii. Elek. i tepl. tiaga 7 no. 10:29 O '63.

ELECTRIC LOGGING (OIL WELLS) see Oil well logging, Electric

ELECTRIC MACHINERY

Danilevich, IA. B., and E. G. Kasharskii. [Additional losses in electrical machines] Dobavochnye poteri v elektricheskikh mashinakh. Moskva, Gosenergoizdat, 1963. 213 p.

Dynamic balancing of units with combined supports. B. Kh. Perchanok. Elektrotekhnika 34 no. 9 66-70 S '63.

Geometry of the magnetic systems of induction clutches and brakes. T. A. Shchetinin. Elektrotekhnika 34 no. 9 40-44 S '63.

"Insulation of electrical machines and methods for testing it" by N. A. Kozyrev. Reviewed by Z. G. Kaganov Elektrichestvo no. 10, 95-96 O '63.

Meeting of several branches of industry on problems in the construction of power machinery. Elek. sta. 34 no. 8:92-94 Ag '63.

Performance of the brush contact of electrical machines at increased current densities. A. IA. Gluskin, A. M. Bordachenkov, V. P. Stepanov. Elektrotekhnika 34 no. 9:20-25 S '63.

Plastics in electric machinery manufacture. Zh. G. Zakrzhevskaia. Elektrotekhnika 34 no. 10 69 O '63.

ELECTRIC MACHINERY—DIRECT CURRENT

Criteria of the commutational strength of d. c. machines. A. S. Kurbasov. Elektrotekhnika 34 no. 9 9-12 S '63.

Increase of the current density under the brushes of d. c. machines. V. A. IAkovenko. Elektrotekhnika 34 no. 9:25-27 S '63.

Methods for objective evaluation of the sparking of d. c. machines. V. G. Berzhanov, I. L. Vinnikov. Elektrichestvo no. 11 53-57 N '63.

Semigraphical method for determining the characteristics of idle operation of d. c. regulated machines with permanent magnets. L. M. Palastin. Elektrichestvo no. 11 66-72 N '63.

ELECTRIC MACHINERY—MAINTENANCE AND REPAIR

Repair of some sections of the KSV-37500-11 synchronous compensator. I. A. Ibragimov, G. R. Kutiev. Elek. sta. 34 no. 8 70-72 Ag '63.

ELECTRIC MACHINERY, SYNCHRONOUS

Comparison of excitation regulation laws of asynchronized synchronous machines in stabilized operation. N. N. Blotskii, IU. G. Shakarian. Elektrotekhnika 34 no. 9, 35-39 S '63.

Effect of saturation in a steady-state mode of operation on conditions governing the origination of self-excitation in synchronous machines. V. V. Bushuev. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 16:95-99 '63.

ELECTRIC MACHINERY INDUSTRY see subdivision under Moscow

ELECTRIC MACHINERY INDUSTRY—HYGIENIC ASPECTS see subdivision under Yaroslavl

ELECTRIC MEASUREMENTS

Khrizman, S. S. [Digital measuring instruments] TSifrovye izmeritel'nye pribory. Kiev, Izd-vo Akad. nauk USSR, 1963. 85 p. (Spravochnaia seriia po novoi tekhnike)

Methodical error of a multiplier-divider with discrete action [with summary in English]. V. A. Volkonskii, A. S. Nemirovskii. Avtom. i telem. 24 no. 10 1373-1379 O '63.

Use of magnetically coupled circuits for measuring small impedances. O. G. Malkina. Elektrichestvo no. 10:52-54 O '63.

ELECTRIC METAL CUTTING
(see also subdivision under Moscow)

Using the anode-mechanical method of manufacturing form cutters reinforced with hard alloy. Z. D. Levin. Stan. i instr. 34 no. 10:32-33 O '63.

Vishnitskii, A. L. [New developments in dimensional electric-machining of metals] Novoe v razmernoi elektroobrabotke metallov, obzor. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962. 92 p.

ELECTRIC METERS

New measuring devices. G. Lobachevskii. Radio no. 10: 55-56 O '63.

Recording device with magnetic memory. G. D. Mel'nikov, I. A. Sokol. Elek. sta. 34 no. 8:61-62 Ag '63.

Registering device with magnetic memory. S. I. Kheifets. Elek. sta. 34 no. 8:62-64 Ag '63.

Voltage indicator for electric systems with voltage up to 600 volts using a cold-cathode thyratron. I. B. Garber. Energetik 11 no. 10:29-31 O '63.

ELECTRIC MOTORS

Installation of ATD electric motors. N. N. Stoshenko. Stroi. truboprov. 8 no. 8:28-30 Ag '63.

Mechanical twofold automatic reclosing with automatic deblocking. E. P. Safronii. Energetik 11 no. 10:28-29 O '63.

Overload capacity of single-phase capacitor motors. A. I. Adamenko. Elektrichestvo no. 10:32-39 O '63.

Problems of designing electric traction motors for diesel locomotives. V. A. Vasil'ev. Elektrotekhnika 34 no. 9:28-31 S '63.

ELECTRIC MOTORS (Continued)

Remote control of an electric motor from two control posts using one line. L. I. Burdilovskii. Energetik 11 no. 10 25-26 O '63.

Some problems concerning the design of a hysteresis motor. N. Z. Mastiaev, I. N. Orlov. Elektrichestvo no. 10, 39-46 O '63.

Special features of the commutation of traction motors fed by single-phase rectifiers. V. E. Skobelev. Elektrotekhnika 34 no. 9 12-17 S '63.

Subharmonic motion conditions of electric step-by-step motors. A. P. Afonin, D. S. Borisov, A. E. Kobrinskii. Teor. mash. i mekh. no 94/95:34-40 '63.

Unsteady motion of an electric step-by-step motor. A. P. Afonin. Teor. mash. i mekh. no. 92/93,153-168 '62.

Vibratory feeder. V. P. Lavrov, I. I. Blekhman. Gor. zhur. no. 10,71-72 O '63.

ELECTRIC MOTORS—DESIGN AND CONSTRUCTION

Design of ATD electric motors. N. Z. Pokrovskii, Stroi. truboprov. 8 no. 8:27-28 Ag '63.

ELECTRIC MOTORS—MAINTENANCE AND REPAIR

Experience in using auxiliary equipment in the repair of electric motors. S. A. Mandrykin. Energetik 11 no. 10 34-37 O '63.

ELECTRIC MOTORS—STARTING DEVICES

Choice of a reactor for starting a synchronous motor. L. S. Lindorf. Energetik 11 no. 10 45 O '63.

ELECTRIC MOTORS—TESTING

Experimental investigation of the dynamics of an electric step-by-step motor. A. P. Afonin and others. Teor. mash. i mekh. no 94/95 127-141 '63.

ELECTRIC MOTORS, INDUCTION

The APN electric motors. A. I. Farkhutdinova. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 59 '63.

Air gaps of asynchronous electric motors with water-cooled stator halls. V. I. Levin. Elektrotekhnika 34 no 9:72-73 S '63.

Choke control of the speed of three-phase asynchronous motors. V. I. Milovzorov. Elektrotekhnika 34 no 10 56-60 O '63.

Measurement of the torque of an asynchronous motor during the heating of the windings. G. IA. Shkutko, G. V. Sogin. Elektrotekhnika 34 no. 9:71-72 S '63.

Moment of a biphase asynchronous motor controlled by amplitude modulated voltage. E. I. Baranchuk, E. L. Kovarskaia. Izv. vys. ucheb. zav.; prib. 6 no. 5 41-50 '63.

Problem of currents generated in the teeth of the short-circuited rotor of an asynchronous motor [with summary in English]. R. Paris. Izv. AN Est SSR, Ser. fiz.-mat. i tekh. nauk 12 no. 3, 339-343 '63.

Reducing electric motor. V. A. Volkov. Mashinostroitel' no. 11 29 N '63.

Synchronous motor with nonsymmetrical damping system. V. S. Arutiunian. Elektrotekhnika 34 no. 10 51-56 O '63.

Technological and economic basis for the application of induction motor drives with saturable reactor control in various fields. M. M. Sokolov, A. V. Shinianskii, L. B. Masandilov. Elektrichestvo no. 11:31-35 N '63.

The UAD asynchronous micromotors. I. I. Vasil'chenko. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11, 57-58 '63.

ELECTRIC MOTORS, SYNCHRONOUS

Calculation of transients in self-excited synchronous generators with compounding. V. A. Ilasov, IU. I Maksimov. Elektrichestvo no. 11, 36-39 N '63.

Contactless synchronous motors with low and medium power ratings. V. M. Kutsevalov. Elektrichestvo no. 11, 13-16 N '63.

Some problems concerning the dynamics and choice of the parameters of a phase compounding network of a synchronous motor. I. A. Zborovskii. Elektrichestvo no. 11 20-25 N '63.

Voltage converter for a synchronous hysteresis motor. I. M. Rozenberg. Trudy Inst. fiz. Zem. no. 26:101-102 '63.

ELECTRIC NETWORKS

Change of transfer coefficients according to the voltage and current of a four-terminal network with variation of two parameters of circuit elements [with summary in English]. L. IA. Nagornyi. Avtom. i telem. 24 no 10:1365-1372 O '63.

Choice of operating mode of electromagnetic mechanisms in R, L networks. V. P. Popov. Sbor. trud. LIIZHT no. 179 139-150 '61.

Consideration of the time factor on the choice of efficient electric power distribution networks. A. F. Anufriev. Izv. vys. ucheb. zav. ;energ. 6 no. 6:41-50 Je '63.

Direct method for calculating electrical networks. G. E. Pukhov. Elektrichestvo no. 10:1-4 O '63.

Engineering semigraphical methods for calculating transients in nonlinear electrical networks. V. F. Tabachinskii. Sbor. trud. LIIZHT no. 179:107-115 '61.

Generalized method for analyzing iterated ladder networks using continued fractions. F. Z. Khakimov. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no 16 122-130 '63.

How to construct electric automatic control networks. L. Levkoev. Tekh. v sel'khoz. 23 no. 8 45-49 Ag '63.

Logical and digital operations in the calculation of complex networks using electronic computers. O. T. Geras-kin. Izv. AN SSSR Energ. i transp. no. 1 491-496 Ja-Ag '63.

Origination of jumps in a circuit with nonlinear inductance. D. S. Kolobkov, V. N. Luzganov, A. P. Pinsker. Elektrichestvo no. 11 45-46 N '63.

Some integral relationships in networks containing steel and rectifiers. IU. G. Tolstov. Elektrichestvo no. 10 86-91 O '63.

Synthesis of some amplifier networks using the given frequency characteristic of the amplifier. V. L. Taurin. Sbor. trud. LIIZHT no. 179 116-125 '61.

Transfer matrix of a passive multiterminal network. V. G. Rutkas. Nauch. trudy KHGI 11 94 '62.

ELECTRIC NETWORKS—SAFETY MEASURES

Spark-proof features of electric networks containing inductance and capacitance. B. A. Petrenko. Nauch. soob. IGD 18 164-172 '63.

ELECTRIC POWER see subdivision under Australia

ELECTRIC POWER DISTRIBUTION
(see also subdivision under Germany, West; Soviet Central Asia, Tashkent region, Uzbekistan)

Asynchronous mode of operation of a TV2-150-2 turbogenerator and its connection in a power distribution network using a self-synchronization technique. N. A. Savogin, V. A. Osinenko, A. P. Germanov. Elek. sta. 34 no. 8:66-67 Ag '63.

Author's reply. N. S. Shabalin. Elektrichestvo no. 11:83-85 N '63.

Automatic voltage regulation in a d. c. busbar system. V. N. Mosolov. Elek. sta. 34 no. 8 78-79 Ag '63.

Burkovskii, E. S., and others. [Signaling of damages in overhead electric-power distribution networks] Telesignalizatsiia povrezhdenii v vozdushnykh raspredelitel'nykh setiakh, energetika. Riga, TSentr. biuro tekhn. informatsii, 1962. 10 p. (Listok tekhnicheskoi informatsii)

Calculation of the steady-state conditions of complex electric power systems using the "Ural-2" computer. N. A. Kachanova, V. V. Umedlian. Izv. AN SSSR Energ. i transp. no. 4 466-471 Jl-Ag '63.

Choice of an optimum alternative for developing an electric power distribution network using a mathematical model. M. B. Chel'tsov. Izv. AN SSSR Energ. i transp. no. 4 497-504 Jl-Ag '63.

Choice of the parameters of the damper stages of a generator feeding a half-wave tuned line, taking into account self-excitation conditions. D. G. Konotilova, E. S. Lukashov. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 16, 79-89 '63.

Concerning L. I. Dvoskin's reply. B. S. Uspenskii. Elek. sta. 34 no. 8:87 Ag '63.

Concerning N. S. Shabalin's article "Overall automation and remote control in 35-110 kv. power distribution substations." F. I. Sinichugov. Elektrichestvo no. 11 80-83 N '63.

Concerning the consultation "Use of grounding conductors." G. V. Shvets. Energetik 11 no. 11:40-41 N '63.

Concerning the structure of an electric utility district. B. I. Zaporozhets. Elek. sta. 34 no. 8 74-75 Ag '63.

Consideration of the time factor on the choice of efficient electric power distribution networks. A. F. Anufriev. Izv. vys. ucheb. zav. ,energ. 6 no. 6,41-50 Je '63.

Dynamic stability of an electric power transmission system with supporting synchronous compensators. M. A. Tagirov. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 16, 104-111 '63.

Effect of saturation in a steady-state mode of operation on conditions governing the origination of self-excitation in synchronous machines. V. V. Bushuev. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 16:95-98 '63.

Effect of the duration of inverter reversing on the dynamic stability. R. S. Zainullina, V. M. Cheban. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 16:99-103 '63.

Effect of the location of the connection of an intermediate system on the static stability of a half-wave tuned power transmission line taking into account the length of the line with parallel connected coupling transformers. A. T. Putilova. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 16 3-10 '63.

Effectiveness of the high-speed action of the excitation systems and conditions of automatic voltage regulation of large turbogenerators. V. E. Kashtelian, I. A. Glebov, G. R. Gertsenberg. Elektrichestvo no. 10:22-31 O '63.

Efficient method for composing the characteristic equation of a system taking into account damper stages in the transverse axis of the generator. T. B. Zaslavskaia. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 16:112-121 '63.

Electromagnetic blocking of the disconnector of arc quenching 35 kv. coil. V. IA. Dubinskii. Energetik 11 no. 11 22 N '63.

Electromechanical transients during nonsymmetrical short-circuits. V. N. Sovranov. Izv. AN SSSR Energ. i transp. no. 1 175-180 Jl-Ag '63.

Experimental study of a shunting circuit of a three-electric power transmission line as a means for limiting overvoltages. O. V. Olesenskii, B. I. Kvantov, I. Transp.-energ. inst. Sib. otd. AN SSSR no. 16 47-54 '63.

From the editor. E. D. Zeliakov. Elektrichestvo no. 11 85-86 N '63.

Fundamentals of the determination of power system stability. D. I. Azarian and others. Elektrichestvo no. 11 1-8 N '63.

In the Technical Council of the State Production Committee on Power Engineering and Electrification of the U.S.S.R. Energetik 11 no. 11 13 N '63.

Inbuilt transformer stations in municipal electric power distribution networks. S. K. Khachatrian. Energetik 11 no. 11 23-25 N '63.

Introduction of changes in "Safety engineering regulations for operating electrical systems of municipal power distribution networks." Energetik 11 no. 11:37 N '63.

Location of short-circuits to ground using zero-sequence components in networks with different compensation. M. P. Rozenknop. Elektrichestvo no. 11 [illegible] N '63.

Logical and digital operations in the calculation of complex networks using electronic computers. O. T. Geraskin. Izv. AN SSSR Energ. i transp. no. 4 491-495 [illegible] Ag '63.

Mathematical models of a power system for choosing the optimum structure and modes of operation. V. G. Karpov, G. B. Levental', IU. P. Syrov. Izv. AN SSSR Energ. i transp. no. 4 417-433 Jl-Ag '63.

Methods for calculating short-circuit currents using digital computers. L. V. Khrushchova. Izv. AN SSSR Energ. i transp. no. 1 181-190 Jl-Ag '63.

Methods for integral linear programming of some nonlinear problems of optimum design. I. B. Motskus. Izv. AN SSSR. Energ. i transp. no. 4 410-416 Jl-Ag '63.

Modernized magnetic-valve dischargers for 110-500 kv voltages. A. I. Bronfman, E. B. Kirgauz. Elektrotekhnika 34 no. 10 30-32 O '63.

Monte Carlo method in the analysis of the reliability of electric power systems. IU. B. Guk. Izv. AN SSSR Energ. i transp. no. 4, 443-447 Jl-Ag '63.

Once more on the problem of covering peak loads. V. K. Khamidov, I. R. Ikramov. Izv. AN Uz. SSR Ser. tekh. nauk 7 no. 4 80 '63.

Performance of high-voltage switches in switching pumping currents in desynchronized systems. N. V. Chernyshev. Elektrotekhnika 34 no. 10 25-30 O '63.

Post-breakdown conditions in a two-circuit half-wave tuned power transmission line. E. P. Kaskevich, V. A. Khalevin. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 16 31-41 '63.

Prevention of unbalanced operation of power blocks during partial-phase disconnection of switches. Elek. sta. 34 no. 8:81-82 Ag '63.

Problem concerning the correlation of the efficiency of tuned electric power transmission lines with different types of a. c. electric power transmission lines. F. P. Gusev. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 16:53-59 '63.

Problem of rates and peak power loads in electrical systems. V. M. Gornshtein. Elek. sta. 34 no. 8 40-45 Ag '63.

Prospects of using a commutating discharger with air arc quenching. D. E. Artemiev, V. V. Kruzhanovskii. Elek. sta. 34 no. 8:45-53 Ag '63.

Prospects of using electron gas as insulation in high voltage apparatus. M. I. Sysoev. Elektrotekhnika 34 no. 10 19-22 O '63.

Repair of some sections of the KSV-37500-11 synchronous compensator. I. A. Ibragimov, G. R. Kuliev. Elek. sta. 34 no. 8 70-72 Ag '63.

Review of S. D. Volobrinskii, M. V. Kudriavtsev, and V. N. Stepanov's book "Electrical networks and power systems." M. D. Kamenskii, B. L. Aizenberg. Elektrichestvo no. 11, 88-89 N '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. 3, Sec. I ch. 6. [Electrical systems, regulations for organizing and carrying out the work, acceptance of the work] Elektrotekhnicheskie ustroistva, pravila organizatsii i proizvodstva rabot, priemka v ekspluatatsiiu (SNIP III-I. 6-62) 1963. 134 p.

Sensitive directional protection system of radial compensated networks from short-circuits to ground. N. N. Maksimenko. Izv. vys. ucheb. zav. ,energ. 6 no. 6:12-17 Je '63.

Session of the International Conference on Large Electric Systems. D. I. Zubarev. Elektrotekhnika 34 no. 9:80 S '63.

ELECTRIC POWER DISTRIBUTION (Continued)

Simplest theoretical models of electrical systems in analysis of static stability. M. A. Taghov Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 16 15-21 '63.

Simplified method for calculating self-excitation zones of a generator feeding an external network with complex operator resistances. A. Kh. Kalnuzhnyi. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 16 72-78 '63.

Simplified review of a problem of static stability of a half-wave tuned electric power transmission line with series connected power takeoff. F. N. Kopach. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 16:11-14 '63.

Solution of the equations of a long electric power transmission line using numerical and digital computers. N. P. Kadomskaia, M. L. Levinshtein, G. P. Shtern'berg. Izv. AN SSSR Energ. i transp. no. 1 508-513 Ja-F '63.

Special features of the construction and operation of semiclosed municipal power distribution networks. V. A. Kozlov. Energetik 11 no. 11 8-11 N '63.

Stability of a synchronous generator feeding a capacitive load. V. V. Rushuev. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 16, 90-94 '63.

Study of the self-excitation of a generator feeding a long-distance power transmission line. A. Kh. Kalnuzhnyi, E. S. Lukashov. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 16, 60-71 '63.

Substations with inductive voltage dividers. V. D. Iurchenkov. Elektrichestvo no. 10 61-66 O '63.

Theoretical premises for optimalizing the operation of an electric power system using electronic analog computers. S. V. Usov, G. M. Pavlov, V. V. Kantan. Izv. AN SSSR Energ. i transp. no. 4 434-442 Jl-Ag '63.

Transient currents during single-phase short circuits to ground and operation of the grounding protection system. V. L. Ivanov, T. V. Stepanov. Elektrichestvo no. 10 57-61 O '63.

Units for sectionalizing branched 10 kv. power transmission lines. Energetik 11 no. 10:48 O '63.

Use of digital computers in studying transients in electrical systems. V. A. Venikov, V. F. Skripnik, A. N. TSovianov. Izv. AN SSSR Energ. i transp. no. 1 448-465 Jl-Ag '63.

Voltage indicator for electrical systems with voltage up to 500 volts using a cold-cathode thyratron. I. B. Garber. Energetik 11 no. 10 29-31 O '63.

Voltage mode of an electric power transmission system with series-parallel intermediate taps. G. V. Vorob'ev. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 16:22-30 '63.

ELECTRIC POWER DISTRIBUTION—COMMUNICATION SYSTEMS

Contactless TMT-1 and TST-1 remote control and signaling devices. N. N. Labzin, R. A. Baranov. Elek. sta. 34 no. 8:58-60 Ag '63.

Conversion of a high-frequency communication channel. M. M. Moshcheriakov. Elek. sta. 34 no. 8 70 Ag '63.

ELECTRIC POWER DISTRIBUTION—HANDBOOKS, MANUALS, ETC

[Handbook on municipal electric networks and substations] Spravochnik po gorodskim elektricheskim setiam i podstantsiiam. [By] V. B. Atabekov i dr. Moskva, Izd-vo MKKh RSFSR, 1963. 550 p.

ELECTRIC POWER DISTRIBUTION—SAFETY REGULATIONS

Concerning the approval of "Instructions for work on operating 35 to 220 kv. and 6 to 10 kv. power transmission lines." Elek. sta. 34 no. 8:91 Ag '63.

ELECTRIC POWER PLANTS
(see also subdivision under Kotlas; Ural Mountain region)

Automatic voltage regulation in a d. c. busbar system. V. N. Mosolov. Elek. sta. 34 no. 8:78-79 Ag '63.

Automation of thermal processes in electric power plants. M. M. Liziniskaia. Energetik 11 no. 11:4-7 N '63.

Burning of Ekibastuz coal in furnaces with hammer mills. G. T. Levit and others. Elek. sta. 34 no. 8:8-13 Ag '63.

Calculation of the effectiveness of measures undertaken in decreasing the expenditure of electric power in pumping machinery. A. N. Turkin. Elek. sta. 34 no. 8:13-15 Ag '63.

Complete burning of fire wood in wood furnaces. N. D. Kuznetsov. Energetik 11 no. 10:25 O '63.

Concerning L. I. Dvoskin's reply. B. S. Uspenskii. Elek. sta. 34 no. 8:87 Ag '63.

Concerning the article "Methodology for normatizing and accounting for the technological and economic indices of thermal electric power plants." S. E. Shitsman. Elek. sta. 34 no. 8:80-83 Ag '63.

"Draft and blast in thermal electric power plants" by L. A. Rikhter. Reviewed by V. G. Zhilin. Elek. sta. 34 no. 8:96 Ag '63.

Let's successfully complete the 1963 program. Energetik 11 no. 11 1-4 N '63.

Means of raising the effectiveness of capital investments by the continuous construction of the main building of large heat and electric power plants. A. A. Gusakov. Prom. stroi. 41 no. 10:17-23 O '63.

Methods for comparing alternatives in the choice of turbines for heat supplying thermal electric power plants. A. I. Kornetchev. Izv. vys. ucheb. zav., energ. 6 no. 6: 129-131 Je '63.

Modern high-pressure steam and water equipment. M. I. Imbritskii. Energetik 11 no. 11 29-37 N '63.

Modernization of a hydraulic system for the removal of Ekibastuz coal ash. D. P. Petukhov. Energetik 11 no. 10 17-18 O '63.

Prevention of unbalanced operation of power blocks during partial-phase disconnection of switches. Elek. sta. 34 no. 8, 91-92 Ag '63.

Testing of auxiliary machines using a temporary power supply network. V. S. Kulikov. Energetik 11 no. 10 27-28 O '63.

Testing of steam-jet and water-jet ejectors. G. I. Efimochkin. Elek. sta. 34 no. 8 2-3 Ag '63.

Use of gantry cranes with 20-ton capacity for hoisting loads up to 30 tons. G. T. Vinogradov Elek. sta. 34 no. 8 65 Ag '63.

Use of multiscale gages for load distribution between units of thermal electric power plants. IA. D. Barkan, N. S. Markushevich. Elek. sta. 34 no. 8:25-28 Ag '63.

ELECTRIC POWER PLANTS—BIBLIOGRAPHY see Bibliography—Electric power plants

ELECTRIC POWER PLANTS—DESIGN AND CONSTRUCTION

"Thermal electric power plants. Design specifications." Biul. stroi tekh. 20 no. 10 10-11 O '63.

ELECTRIC POWER PLANTS—ELECTRIC EQUIPMENT

Rebuilding of the rotor shaft of an exhaust fan. D. T. TSonia, V. M. Bogdan. Energetik 11 no. 11 18-19 N '63.

ELECTRIC POWER PLANTS—EQUIPMENT AND SUPPLIES

Nomenclature and characteristics of fittings and auxiliary equipment of boiler and fuel transportation departments of electric power plants manufactured by the Timir'iazev Foundry and Machinery Plant. Energetik 11 no. 10 47-48 O '63.

ELECTRIC POWER PLANTS—FUEL CONSUMPTION

Optimization of the selection of fuels for thermal electric power plants and boiler systems in long-range planing. V. P. Bialov and others. Izv. AN SSSR Energ. i transp. no. 1 514-524 Jl-Ag '63.

ELECTRIC POWER PLANTS—TABLES, DIAGRAMS, ETC.

Ryzhkin, V. IA., L. I. Kerzelli, and V. N. Bakhusov, eds. [Thermal electric power plant, study charts] Teplovaia elektricheskaia stantsiia: uchebnye tablitsy. [n. p.] Gosenergoizdat, 1963. 20 fold. plates in portfolio.

ELECTRIC POWER PLANTS—WATER SUPPLY

Prevention of ice formation on water cooling towers. V. I. Gorbenko. Energetik 11 no. 11 16-17 N '63.

ELECTRIC POWER PRODUCTION FROM CHEMICAL ACTION

Electrochemical power engineering. O. Davtian. Nauka i zhyttia 12 no. 3:26-29 Mr '63.

ELECTRIC POWER SUPPLY TO APPARATUS

Conversion of a constant voltage source to a constant current source. I. V. Volkov. Izv. vys. ucheb. zav., energ. 6 no. 6 37-41 Je '63.

ELECTRIC PROSPECTING

Field of a point source in a space represented by three sectors. L. S. Chanturishvili, G. P. Khvitia. Soob. AN Gruz. SSR 30 no. 5, 559-564 My '63.

Measurement possibilities with the help of combined contours in electric prospecting by field location. F. M. Kamenetskii. Geofiz. razved. no. 12:62-73 '63.

ELECTRIC PROSPECTING—EQUIPMENT AND SUPPLIES

High-speed contactor for an electric prospecting station, performing according to the method of transient processes. F. M. Kamenetskii, V. F. Kovalenko Razved. i prom. geofiz. no. 42 48-54 '61.

ELECTRIC PROTECTION

Best form for bimetallic elements in thermal protection and automatic control apparatus. IA. A. Rips. Elektrichestvo no. 10:75-78 O '63.

Device for controlling and testing the elements of valve dischargers. V. A. Volkenau. Elektrotekhnika 34 no. 10:72-73 O '63.

Electromagnetic blocking of the disconnector of an arc-quenching 35 kv. coil. V. IA. Dubinskii. Energetik 11 no. 11:22 N '63.

Mechanical twofold automatic reclosing with automatic deblocking. E. P. Safronti. Energetik 11 no. 10:28-29 O '63.

ELECTRIC RAILROADS—COMMUNICATION SYSTEMS

Methods for taking into account the natural asymmetry of a two-wire circuit on the magnitude of noise induced in it. M. IA. Kaller, L. S. Ievleva. Sbor. trud. LIIZHT no. 179, 61-80 '61.

Police telephones for communication with power distribution dispatchers. N. I. Mitiaev. Avtom., telem. i sviaz' 7 no. 10 39 O '63.

ELECTRIC RAILROADS—CURRENT SUPPLY

Control of energy losses in electric power supply systems. I. IA. Ryshkovskii. Zhel. dor. transp. 45 no. 10 36-38 O '63.

Yearly savings of 85,000 kilowatt-hours in electric power. A. A. Al'miashev. Elek. i tepl. tiaga 7 no. 10 23 O '63.

ELECTRIC RAILROADS—POLES AND TOWERS

Characteristics of the maintenance and operation of reinforced concrete constructions of overhead contact systems. V. P. Shurygin, E. A. Baranov. Elek. i tepl. tiaga 7 no. 10, 16-18 O '63.

Efficient method for preventing the electrolytic corrosion of anchor bolts. O. I. Pozdniakov. Elek. i tepl. tiaga 7 no. 10 14 O '63.

ELECTRIC RAILROADS—ROLLING STOCK

Potentials for increasing the efficiency of traction by electric multiple-unit cars. N. I. Beshcheva. Zhel. dor. transp. 45 no. 10 39-46 O '63.

ELECTRIC RAILROADS—SIGNALING—CENTRALIZED TRAFFIC CONTROL

Operation of centralized traffic control devices in an automatic railroad district. N. S. Nebrikh Avtom., telem. i sviaz' 7 no. 10:37-39 O '63.

ELECTRIC RAILROADS—SUBSTATIONS

High-frequency blocking of rapid action feed switches. A. V. Peniazkov, E. S. Kalinin. Elek. i tepl. tiaga 7 no. 10, 8-10 O '63.

Unutilized potentials of d. c. systems and the distributive power supply to the overhead contact network. I. IA. Ryshkovskii. Trudy DIIT no. 24, 172-197 '54.

ELECTRIC RAILROADS—WIRES AND WIRING

Police telephones for communication with power distribution dispatchers. N. I. Mitiaev. Avtom., telem. i sviaz' 7 no. 10 39 O '63.

ELECTRIC RAILWAY MOTORS
(see also subdivision under Great Britain)

Operation of asynchronous motors in mercury rectifier locomotives fed by traction substations. K. A. Abdullakhmanov. Izv. vys. ucheb. zav.; energ. 6 no. 6:50-56 Je '63.

Problems of designing electric traction motors for diesel locomotives. V. A. Vasil'ev. Elektrotekhnika 34 no. 9:28-31 S '63.

ELECTRIC RAILWAY MOTORS—TESTING

Some causes of the flashing over occurring in the collector of the NB-412M traction engine. G. IA. Korepanov. Elek. i tepl. tiaga 7 no. 10 30-32 O '63.

ELECTRIC REACTORS

Groupings of current limiting reactors. A. K. Karpenskii, V. G. Sternin, I. Z. Shmukler. Elek. sta. 34 no. 8 54-57 Ag '63.

Special features of the design of large reactors for short-term duration operation. L. V. Leites. Elektrichestvo no. 10:67-69 O '63.

ELECTRIC RELAYS

Feasibility and expediency of using the magnetic resistance effect in relay protection systems. Makhmud Ilegazi Salah. Izv. vys. ucheb. zav.; energ. 6 no. 6:17-24 Je '63.

Photoelectric relay using cold cathode thyratrons. A. Erkin. Radio no. 10 29 O '63.

Transistorized current balance relay. V. I. Grinshtein, L. A. Rakhmanov. Elektrichestvo no. 10, 78-79 O '63.

ELECTRIC RELAYS—TESTING

Simple circuit for a device for testing electromagnetic relays. IU. A. Egorov. Priborostroenie no. 10 27 O '63.

ELECTRIC RESISTANCE—MEASUREMENT

Methodology of measuring the specific resistance of silicon bars using high frequencies. A. M. Pashaev, M. I. Igiltayn, V. V. Voronkov. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekh. nauk no. 3:139-142 '63.

ELECTRIC RESISTORS

Pasynkov, V. V., and IU. T. Okunev. [Nonlinear semiconductor resistors (varistors)] Nelineinye poluprovodnikovye soprotivleniia (varistory) Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1963. 34 p. (Series: "Poluprovodniki," no. 11)

ELECTRIC RESISTORS—TESTING

Device for checking and classifying resistors. S. Klokov. Radio no. 10:28 O '63.

ELECTRIC RESONATORS

Use of the converter theory in the analysis of an annular magnetostriction resonator. A. N. Mikhalev. Sbor. trud. LIIZHT no. 179 151-154 '61.

ELECTRIC SHIP PROPULSION see Ship propulsion, Electric

ELECTRIC SIGNS

Electric lighting of the exterior of advertising. M. Antonenkii. Svetotekhnika 10 no. 8 33-34 Ag '63.

ELECTRIC SUBSTATIONS
(see also subdivision under Latvia)

Authors' reply. V. P. Goroshunov. Elek. sta. 34 no. 8 [illegible] Ag '63

Authors' reply. I. F. Sinchugo. Elek. sta. 34 no. 8 [illegible] Ag '63

A. I. Nikitin reply. V. S. Shabshin. Elektrichestvo no. 11 [illegible] '63.

Commenting V. P. Goroshunov's article "Design of economical grounding systems for rural power distribution substations" I. F. Bulgakov, G. Sh. Mendelevich. Elek. sta. 34 no. 7 [illegible] Ag '63

Commenting I. F. Sinchugo's article "Use of doubled transformer depression substations" I. F. Gorbovenko. Elek. sta. 34 no. 8 [illegible] Ag '63

Commenting V. S. Shabshin's article "Overall automation and remote control in 35-110 kv. power distribution substations" I. F. Sinchugo. Elektrichestvo no. 11 [illegible] N '63.

Construction of grounding stages. A. I. Gertsev. Energetik 11 no. 11 29 N '63

Error in the author. I. D. Zeldzon. Elektrichestvo no. 11 [illegible] N '63.

Intimate transformer stations in municipal electric power distribution networks. S. P. Khachaturian. Energetik 11 no. 11 23-25 N '63

Results of operating a substation with decentralized placement of secondary commutation equipment. D. I. Kotsis-Torskii. Energetik 11 no. 11 20-21 N '63.

Substations with inductive voltage dividers. V. D. Urenko. Elektrichestvo no. 10, 81-86 O '63.

ELECTRIC SUBSTATIONS—HANDBOOKS, MANUALS, ETC.

[Handbook on municipal electric networks and substations] Spravochnik po gorodskim elektricheskim setiam i podstantsiiam [By] V. B. Afanas'ev i dr. Moskva, Izd-vo MKKh RSFSR, 1963. 550 p.

ELECTRIC SWITCHGEAR

Construction of air switches. G. S. Puzyrifskii. Elektrotekhnika 34 no. 10 10-15 O '63.

Data on new automatic button-type AV-2 switches. S. A. Khudiev. Svetotekhnika 9 no. 10 29 O '63.

Drives for regulating short-circuiting devices and separators. Energetik 11 no. 10 46-47 O '63.

High-frequency blocking of rapid action feed switches. A. V. Peniazkov, E. S. Kalinin. Elek. i tepl. tiaga 7 no. 10 8-10 O '63.

High-voltage apparatus manufactured by the "Elektroapparat" factory. Energetik 11 no. 11 44-46 N '63.

High-voltage switches for rural electric power distribution networks. V. A. Iofin. Elektrotekhnika 34 no. 10 15-18 O '63

Improvement in the reliability of VVN-220 air switches. B. K. Pesto. Elek. sta. 34 no. 8 72-73 Ag '63.

Increase in the switching capability and overvoltage limiting of 110 kv. oil-filled switches. V. I. Kuznetsov, V. D. Katson. Elektrotekhnika 34 no. 10 3-6 O '63.

Modernized magnetic-valve discharges for 110-500 kv. voltages. A. I. Bronfman, E. B. Krengauz. Elektrotekhnika 34 no. 10 30-32 O '63.

New designs of drives for high-voltage switches. E. S. Khelishtein. Elektrotekhnika 34 no. 10 22-25 O '63.

Performance of high-voltage switches in switching pumping currents in desynchronized systems. N. M. Chernyshev. Elektrotekhnika 34 no. 10 25-30 O '63.

Problems of low-voltage equipment manufacture. A. V. Mozalevskii. Elektrotekhnika 34 no. 9:3-8 S '63.

Resistance of circuit breaker contacts. N. E. Lysov. Elektrotekhnika 34 no. 9, 56-59 S '63.

Small oil-filled switches. A. M. Mel'kumov. Elektrotekhnika 34 no. 10 6-10 O '63.

ELECTRIC SWITCHGEAR—TESTING

Increase in the power rating of systems for testing switches using synthetic circuits. M. N. Akodis, D. S. Maslennikov. Elektrotekhnika 34 no. 10, 33-37 O '63.

ELECTRIC TRANSFORMERS

Automatic limiter of the idle running of welding transformers. V. N. Glinchevskii, D. F. Il'enkov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10:28-30 '63.

Complex engineering and economic method for designing electric transformers. R. S. Babis and others. Elektrichestvo no. 10-85-88 O '63.

Concerning N. I. Bachurin and S. V. Gordeev's suggestions. A. B. Krikunchik, L. Z. Arkus. Elektrotekhnika 34 no. 9:65-66 S '63.

High-voltage apparatus manufactured by the "Elektroapparat" factory. Energetik 11 no. 11:44-46 N '63.

"Low power transformers" by R. Kh. Baitian. Reviewed by E. I. Kissel'. Elektrotekhnika 34 no. 9 76-77 S '63.

Mallinin, R. M. [Output transformers] Vykhodnye transformatory. Moskva, Gosenergoizdat, 1963. 31 p. (Massovaia radiobiblioteka. Spravochnaia seriia, 471)

Reproduction of the tangent relation in a sine-cosine rotary transformer. A. A. Odintsov. Izv. vys. uchebn. zav., prib. 6 no. 5 51-57 '63.

Rys'kova, Z. A. [Electric transformers for contact-type electric welding machines] Transformatory dlia kontaktnykh elektrosvarochnykh mashin. Moskva, Gosenergoizdat, 1963. 242 p.

Standardization and normal series of the principal parameters of high-voltage current transformers. N. I. Bachurin, S. V. Gordeev. Elektrotekhnika 34 no. 9 60-65 S '63.

Voltage converter. E. Dodonov. Radio no. 10:61 O '63.

ELECTRIC TRANSFORMERS—COOLING

Improved fastening of the blades of MTs-8 cooling fans. V. IA. Dabizhevskii. Energetik 11 no. 10 38 O '63.

Water cooling of electric transformers. V. P. Lelekin, IA. A. TSirel'. Energetik 11 no. 10:5-9 O '63.

ELECTRIC TRANSFORMERS—TESTING

Timing device for testing transformer oil. E. P. Artamonova. Energetik 11 no. 11, 21 N '63.

ELECTRIC TRANSFORMERS—THERMAL PROPERTIES

Experimental determination of the equivalent coefficient of heat conductivity of transformer windings. V. N. Cherkasov. Izv. vys. ucheb. zav., prib. 6 no. 5, 126-135 '63.

ELECTRIC WELDING
(see also subdivision under Great Britain)

Automatic control of a three-phase arc welding machine. IU. P. Medvedev, I. P. Nikonov, V. K. Khovanets. Avtom. svar. 16 no. 5:49-54 My '63.

Automatic control of the conditions of spot welding according to electric parameters. IU. N. Lankin. Avtom. svar. 16 no. 5:16-19 My '63.

Effect of two arcs in one bath on the shape of the bath and the stability of the process of twin arc welding. V. N. Shorstiuk. Sbor. nauch. rab. DVNIIS no. 1:10-30 '61.

Further development and automatic control systems and the control of welding processes. B. E. Paton. Avtom. svar. 16 no. 5 1-6 My '63.

Inertialess diagrams for the automatic control of resistance welding processes. B. E. Paton, V. S. Gavrish, IU. S. Grodetskii. Avtom. svar. 16 no. 5:7-10 My '63.

Investigating the characteristics of the build-up by weaving arc welding under flux. V. B. Shilapin, IU. G. Vinogradov. Trudy TSNII MPS no. 260, 61-81 '63.

Mechanism of alloying metal drops in welding under a ceramic flux. K. V. Bagrianskii, P. F. Lavrik. Svar. proizv. no. 10 13-15 O '63.

Moravskii, V. E. [Condenser discharge welding] Svarka akkumulirovannoi energiei. Kiev, Gostekhizdat, USSR, 1963. 297 p.

New welding equipment. I. Lunevskii. Tekh. v sel'khoz. 23 no. 8 73-77 Ag '63.

Numerical programmed control of machines for hard facing and making intricately shaped joints. V. A. Timchenko, G. P. Ivanov. Avtom. svar. 16 no. 5:31-42 My '63.

Programmed control systems with self-correction, built on the basis of numerical techniques. V. N. Nikulin. Avtom. svar. 16 no. 5:28-33 My '63.

Research papers on the governing and control of spot and roll welding. P. L. Chuloshnikov, V. B. Vardenskii. Avtom. svar. 16 no. 5:11-15 My '63.

Restoration of crankshafts by build-up welding. M. A. Gogolitsyn and others. Svar. proizv. no. 10:22-25 O '63.

Rys'kova, Z. A. [Electric transformers for contact-type electric welding machines] Transformatory dlia kontaktnykh elektrosvarochnykh mashin. Moskva, Gosenergoizdat, 1963. 242 p.

Soviet electric welding devices at an international exhibition held in Great Britain. V. P. Pavlov. Elektrotekhnika 34 no. 10:71 O '63.

Technological properties of welding arcs. A. G. Marsel'. Trudy VNIIST no. 13:3-95 '62.

Welding in carbon dioxide at the White Russian Automobile Plant. M. G. Ratgon. Svar. proizv. no. 10:25-27 O '63.

ELECTRIC WELDING—CONGRESSES

Symposium on the physics of the welding arc. N. N. Rykalin, I. I. Zaruba, I. D. Kulagin. Avtom. svar. 16 no. 5:91-94 My '63.

ELECTRIC WELDING—EQUIPMENT AND SUPPLIES

Attachment to the ADK-500 automatic welding machine for the welding of small diameter parts. A. V. Arkov. Svar. proizv. no. 10:38 O '63.

Digital control system of resistance welding machines on the basis of commutator dekatrons. N. V. [illegible], IU. A. Masilov. Avtom. svar. 16 no. 5:49-52 My '63.

Nozzle for welding in carbon dioxide. N. I. Zavalishin. Svar. proizv. no. 10:39-40 O '63.

Nozzle tip for welding in carbon dioxide. A. I. Ilinskii. Svar. proizv. no. 10:40 O '63.

Unifying equipment for resistance welding. N. A. [illegible]nel'son. Avtom. svar. 16 no. 5:81-86 My '63.

Vornovitskii, I. N., and I. M. Yagapov. [High-duty electrodes for arc welding] Vysokoproizvoditel'nye elektrody dlia dugovoi svarki. Moskva, Mashgiz, 1963. 102 p.

ELECTRIC WIRE—WELDING

Machine unit for the cold butt welding of copper electric wires. I. B. Baranov. Avtom. svar. 16 no. 5:[illegible] My '63.

ELECTRICAL MUSICAL INSTRUMENTS see Musical instruments, Electronic

ELECTRICITY—SAFETY APPLIANCES

Laboratory work on safety in electrical systems. [illegible] Tumanov. Vest. vys. shkoly 21 no. 10 81-8[illegible] O '63.

ELECTRICITY, INJURIES FROM

Study of the special features of the electrical [illegible]ity of the human body. V. E. Manoilov. Elektrichestvo no. 11:9-13 N '63.

ELECTRICITY, TERRESTRIAL see Terrestrial electricity

ELECTRICITY IN AGRICULTURE
(see also subdivision under Zaporozh'ye)

Estimating electric power consumption on collective and state farms during the transition to economic accountability within sections of farms. L. P. Pyshchenko. Visnyk sil'skogosp. nauky 6 no. 4:16-19 Ap '63.

ELECTRICITY ON SHIPS

Automatic voltage and current regulator for shunt generators operating on semiconductors. P. V. Kuz'minov, I. B. Nikel'shpurg, N. P. Konovalov. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. [illegible]

Performance of synchronous generators without damper in electric ship systems. G. Barshchevskii. Mor. flot 23 no. 8:22-25 Ag '63.

Verkhoplatnitskii, P. D. [Electrical elements of automatic-control systems] Elektricheskie elementy avtomatiki. Leningrad, Sudpromgiz, 1963. 534 p.

ELECTRICITY ON SHIPS—MATHEMATICAL MODELING

Investigating the parallel operation of marine synchronous generators by mathematical modeling. P. I. Nornevskii, A. V. Mikhailov, V. M. Semenov. [illegible] stroenie 29 no. 9:30-31 S '63.

ELECTRICITY ON SHIPS—SAFETY MEASURES

Protection of synchronous generators on "Kazanovskii" type motorships. O. Dolgikh. Mor. flot 23 no. [illegible] Ag '63.

ELECTRIFICATION

"History of the electrification of the U. S. S. R." by D. O. Zhimerin. Reviewed by M. S. Mamontov, I. A. Sirotin. Elek. sta. 34 no. 8:95-96 Ag '63.

Principal premises for the creation and development of mathematical modeling methods in power engineering. V. G. Karpov, L. A. Melent'ev. Izv. AN SSSR, Energetika i transp. no. 4:403-409 Jl-Ag '63.

Slonimskii, L. N. [Electrification of peat enterprises] Elektrifikatsiia torfopredpriiatii. Izd. 2., perer. i dop. Moskva, Gosenergoizdat, 1963. 399 p.

ELECTROACOUSTICS

Effect of shielding on the electroacoustic effect in semiconductors with a single kind of current carriers. E. P. Pokatilov, B. V. Prupolitna. Trudy po fiz. i ee prov. no. 1:15-10 '62.

ELECTROCAPILLARY PHENOMENA

Electrochemical investigation of the decarburization reaction in kinetic conditions. A. I. Sotnikov, O. A. Esin, IU. P. Nikitin. Izv. vys. uchob. zav. ; chern. met. 6 no. 8:19-23 '63.

Study of surface conductance depending on temperature, solution composition, and its concentration [with summary in English]. Lin Guan-tsun [Ling Kuang-ts'un], D. A. Fridrikhsberg. Vest. LGU 18 no. 16:77-87 '63.

ELECTROCARDIOGRAPHY

Effect of hydrosulfide baths of the Goryachiy Klyuch Health Resort on the cardiovascular system of children suffering from rheumatism. K. I. Bzhassov. Vop. kur., fizioter. i lech. fiz. kult. 27 no. 4:313-316 Jl-Ag '62

Electrocardiographic analysis of the reactivity of the heart to adrenaline in dogs after acute radiation sickness caused by total X-ray irradiation. V. I. Korcheraskin, N. V. Raeva. Radiobiologiia 3 no. 6:883-890 '62.

Electrocardiographic and rumenographic studies of cattle with a malignant form of foot-and-mouth disease. A. K. Liapustin, N. M. Preobrazhenskii. Trudy Mosk. vet. akad. 12:73-81 '56.

Methodology of electrocardiography. F. I. Bushman. Zdravookhranenie 6 no. 3 52-55 My-Je '63.

Some clinical electrocardiographic data on patients with obliterating endarteritis. M. T. Gubkina. Trudy mol. nauch. k solr. MONIKI no. 1:174-177 '59.

Statistical methods used in working out norms for the evaluation of the electric heart systole. L. A. Butchenko, S. E. Vol'nov. Prikl. mat. metod. v biol. no. 2:196-201 '63.

ELECTROCHEMISTRY

Electrochemical surface properties of ilmenite, rutile, and ilmenorutile as interrelated with their flotation characteristics. I. N. Plaksin, R. Sh. Shafeev, V. A. Charturna. Dokl. AN SSSR 152 no. 6:1405-1407 O '63.

Electrochemistry of semiconductors. Iu. V. Pleskov. Vest. AN SSSR 33 no. 10 18-23 O '63.

Rebirth of electrochemistry. O. Frumkin. Nauka i zhyttia 12 no. 3:26-29 Mr '63.

Thermodynamics of ferrous oxide [with summary in English]. M. S. IAkovleva, S. M. Arutia. Vest. LGU 18 no. 16:130-132 '63.

ELECTROCHEMISTRY, INDUSTRIAL

Current leakage in the industrial electrolysis of aqueous solutions. N. N. Shvetsov, V. V. Stender. Zhur. prikl. khim. 36 no. 8:1756-1763 Ag '63.

ELECTRODES

Change of the efficiency of some powder electrodes during their cycling. V. N. Flerov. Zhur. prikl. khim. 36 no. 8:1768-1772 Ag '63.

Highly efficient electrodes for the welding of low-carbon steel. A. A. Alov, M. N. Megil'ner. Svar. proizv. no. 10 31-33 O '63.

ELECTRODES—TESTING

New types of electrodes for electrostatic precipitators. A. S. Sa'el'ev. TSement 29 no. 4:15-16 Jl-Ag '63.

ELECTRODES, ZINC

Effect of small amounts of metal impurities on the value of hydrogen overvoltage on zinc in concentrated alkaline solutions. T. I. Popova, V. S. Bagotskii, B. N. Kabanov. Zhur. prikl. khim. 36 no. 8:1743-1748 Ag '63.

Galvanostatic study of the processes of electrodeposition and anodic solution of zinc in zinc perchlorate solution [with summary in English]. V. I. Kravtsov, G. V. Zeresevich. Vest. LGU 18 no. 16:103-109 '63.

ELECTRODIAGNOSIS

Cutaneous galvanic reflex and its use in clinical practice. A. M. Nogaller. Vop. kur., fizioter. i fiech. fiz. kul't. 27 no. 4:333-339 Jl-Ag '62.

Galvanoadrenaline and dionine tests in different physiological states of an organism. V. A. Barabol. Vop. kur., fizioter. i fiech. fiz. kul't. 27 no. 4:339-343 Jl-Ag '62.

ELECTROENCEPHALOGRAPHY

Cerebral electrical activity following hemispherectomy [with summary in English]. F. N. Serkov, R. F. Makul'kin. Zhur. vys. nerv. deiat. 13 no. 5 891-903 S-O '63.

Characteristics of cortico-subcortical mechanisms of interoceptive and exteroceptive reflexes. I. A. Bulygin. Zhur. vys. nerv. deiat. 13 no. 5 845-858 S-O '63.

Characteristics of local and general brain changes as reflected in the EEG in parasagittal arachnoid endotheliomas [with summary in French]. V. E. Maiorchik, G. A. Gabibov. Zhur. nevr. i psikh. 63 no. 2,195-202 '63

Clinical and electroencephalographic studies of patients with Huntington's chorea and their relatives [with summary in French]. E. IA. Shternberg, F. A. Leibovich, E. I. Korchinskaia. Zhur. nevr. i psikh. 62 no. 12:1843-1854 '62.

Cortical electrical activity during the process of forming and reinforcing motor food and defense conditioned reflexes [with summary in English]. L. G. Voronin, B. I. Kolliar. Zhur. vys. nerv. deiat. 13 no. 5:917-927 S-O '63.

Disorders of bioelectrical activity in vascular tumors of the cerebral hemispheres [with summary in French]. D. G. Shmel'kin. Zhur. nevr. i psikh. 63 no. 2:203-206 '63

Dynamics of the electroencephalogram in tumors of the septum pellucidum of the brain [with summary in French]. L. B. Likhterman. Zhur. nevr. i psikh. 63 no. 2:187-194 '63.

Effect of hyperventilation and breath holding on the bioelectric activity of the brain. M. P. Ivanova. Teor. i prak. fiz. kul't. 26 no. 1:18-22 Ja '63.

Effect of reticular stimulation on cortical responses arising during simultaneous peripheral stimulation of three afferent system [with summary in English]. S. P. Nerikashvili, E. S. Moniava. Zhur. vys. nerv. deiat. 13 no. 5:870-881 S-O '63.

Electrical activity of the cerebral cortex of schizophrenia patients of preschool age [with summary in French]. V. IA. Degtin. Zhur. nevr. i psikh. 62 no. 12:1837-1842 '62.

Electrophysiological study of excitation foci in the central nervous system. V. S. Rusinov. Zhur. vys. nerv. deiat. 13 no. 5 798-815 S-O '63.

Electrophysiological study of the effect of pridrol on the central nervous system [with summary in French]. R. IU. Il'iuchenok, IU. F. Pastukhov. Zhur. nevr. i psikh. 62 no. 12,1821-1831 '62.

Evoked potentials and mechanisms of discrimination of an external signal [with summary in English]. G. V. Gershun. Zhur. vys. nerv. deiat. 13 no. 5 882-890 S-O '63

Experimental study of the properties of the human nervous system. B. M. Teplov, V. D. Nebylitsyn. Zhur. vys. nerv. deiat. 13 no. 5 789-797 S-O '63.

Laboratory of thinking. 1001 why's. V. Pekelis. Tekh. mol. 31 no. 8:31-35 '63.

Nature of cortical inhibition [with summary in English]. A. I. Roitbak. Zhur. vys. nerv. deiat. 13 no. 5 859-869 S-O '63.

Representation of a visceral afferent system in the zone of the internal capsule. O. G. Baklavadzhian. Dokl. AN Arm. SSR 36 no. 4 243-247 '63

Some neurodynamic and biochemical changes in chronic alcoholics under the influence of small doses of alcohol [with summary in English]. V. E. Rozhnov, Z. G. Turova, L. P. Gal'perina. Trudy Gos. nauch.-issl. inst. psikh. 38 204-210 '63

[Technique and methods of electroencephalography] Tekhnika i metodiki elektroentsefalografii. [By] IU. G. Kratin i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 312 p.

Use of electroencephalography in arterial hypotension in workers of a chemical plant. V. S. Luk'ianov, P. I. Shpil'berg. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9:95-104 '61.

ELECTROKYMOGRAPHY

Zaretskii, V. V. [Electrokymography] Elektrokimografiia. Moskva, Medgiz, 1963. 290 p. (DNLM)

ELECTROLUMINESCENCE

Electroluminescent sublimated films of the luminophor ZnS-Cu, Mn. V. L. Bakumenko, G. S. Kozina, V. N. Pavorin. Opt. i spektr. 15 no. 4 486-489 O '63.

Electron diffraction study of the structure of sublimated ZnS and ZnS - Mn films. S. A. Kostylev, B. N. Shoriatak. Kristallografiia 8 no. 3:456-459 My-Je '63.

Mechanism and kinetics of the electroluminescence of silver oxide. IU. I. Korkhanin, IU. V. Vorob'ev. Dokl. AN SSSR 152 no. 4:855-857 O '63.

ELECTROLYSIS

Current leakage in the industrial electrolysis of aqueous solutions. N. N. Shvetsov, V. V. Stender. Zhur. prikl. khim. 36 no. 8 1756-1763 Ag '63.

Dependence of the permeability of an asbestos diaphragm on the pressure in the absence of an electric current. L. I. Krishtalik. Zhur. prikl. khim. 36 no. 8 1776-1782 Ag '63.

ELECTROLYTE SOLUTIONS

Distribution coefficient of electrolytes as a function of solvation energy and of the activity coefficients of its ions. M. V. Ionin, N. V. Kurina. Trudy Kom. anal. khim. 14 87-98 '63.

Effect of the stabilization of the structure on the coordination numbers of alkali metal cations in aqueous solutions. M. N. Rusinova, O. IA. Samoilov. Zhur. strukt. khim. 4 no. 5:682-686 S-O '63.

Study of electrokinetic potential depending on temperature, solution composition, and its concentration [with summary in English]. Lin Guan-tsan [Ling Kuang-ts'ang], D. A. Fridrikhsberg. Vest. LGU 18 no. 16:88-93 '63.

Study of surface conductance depending on temperature, solution composition, and its concentration [with summary in English]. Lin Guan-tsan [Ling Kuang-ts'ang], D. A. Fridrikhsberg. Vest. LGU 18 no. 16:77-87 '63.

Temperature dependence of nuclear magnetic relaxation times of protons and deuterons in aqueous solutions of Mn^{2+} ions. R. K. Mazitov. Dokl. AN SSSR 152 no. 2: 375-378 S '63.

ELECTROLYTES

Effect of $C_5H_5NCH_3I$, $C_5H_5NC_2H_5I$, and $C_5H_5NC_2H_5Br$ on the solubility of benzoic acid in water. V. F. Sergeeva, E. V. Rivina. Zhur. ob. khim. 33 no. 10:3122-3123 O '63.

Electrodeposition of silver from noncyanide electrolytes. N. P. Fedot'ev, V. A. Il'in. Zhur. prikl. khim. 36 no. 8: 1763-1768 Ag '63.

Flow effect in electrolytic solutions. V. A. Zharikov, T. N. Diuzhikova, E. M. Maksakova. Izv. AN SSSR, Ser. geol. 28 no. 10:81-91 O '63.

Use of cells with a flowing electrolyte. N. E. Khomutov, T. N. Skorniakova. Zhur. prikl. khim. 36 no. 8:1772-1776 Ag '63.

ELECTROLYTIC CORROSION

Efficient method for preventing the electrolytic corrosion of anchor bolts. O. I. Pozdniakov. Elek. i tepl. tiaga 7 no. 10:14 O '63.

ELECTROLYTIC REDUCTION see Reduction, Electrolytic

ELECTROMAGNETIC FIELDS

Acceleration of a plasma by a high-frequency field. M. L. Iovnovich. Zhur. tekh. fiz. 33 no. 9 1116-1120 S '63.

Galvanomagnetic phenomena in a variable electromagnetic field [with summary in English]. F. G. Bass, A. IA. Blank, M. I. Kaganov. Zhur. eksp. i teor. fiz. 15 no. 4. 1081-1086 O '63.

ELECTROMAGNETIC WAVES

Absorption of electromagnetic waves on neutrinos [with summary in English]. V. N. TSytovich. Zhur. eksp. i teor. fiz. 45 no. 1 1183-1187 O '63.

Diffraction of electromagnetic waves on a pair of plane equiperiodic gratings different-sized gratings. O. A. Tret'iakov, V. P. Shestopalov. Zhur. tekh. fiz. 33 no. 10 1214-1251 O '63

Diffraction of electromagnetic waves on a pair of plane metallic gratings. O. A. Tret'iakov, V. P. Shestopalov. Zhur. tekh. fiz. 33 no. 10 1232-1243 O '63.

Electromagnetic waves in nonlinear media with dispersion. L. A. Ostrovskii. Zhur. tekh. fiz. 33 no. 8 905-908 Ag '63.

Generation and development of electromagnetic shock waves in transmission lines containing unsaturated ferrite. L. A. Ostrovskii. Zhur. tekh. fiz. 33 no. 9 1080-1092 S '63.

Group velocity of slow waves in a drifting magnetoactive plasma. A. V. Gul'el'mi. Geomag. i aer. 3 no. 4 754-756 Jl-Ag '63.

Instability of one-dimensional packets and the absorption of electromagnetic waves in a plasma [with summary in English]. A. A. Andronov, V. IU. Trakhtengerts. Zhur. eksp. i teor. fiz. 45 no. 4 1069-1075 O '63.

Interaction between a relativistic neutral beam of charged particles and a magnetoactive plasma. V. G. Makhan'kov. Zhur. tekh. fiz. 33 no. 8 897-900 Ag '63.

Low-frequency waves in a multicomponent plasma. M. A. Gintsburg. Geomag. i aer. 3 no. 4 757-761 Jl-Ag '63.

Methods for studying the propagation of electromagnetic oscillations in wave guides with anisotropic filler. A. G. Sveshnikov. Zhur. vych. mat. i mat. fiz. 3 no. 5: 953-955 S-O '63.

Relativistic dissipation on cyclotron harmonics in a plasma. V. P. Demidov, D. A. Frank-Kamenetskii. Zhur. tekh. fiz. 33 no. 8 915-921 Ag '63.

Self-excitation of a plane-parallel anisotropic layer in the case of total reflection. N. S. Petrov, A. M. Goncharenko, B. A. Sotskii. Kristallografiia 8 no. 3 471-473 My-Je '63.

Theory of spin waves in antiferromagnetics. G. M. Genkin, IU. A. Otmakhov, E. A. Rozenblium. Fiz. tver. tela 5 no. 10:2968-2977 O '63.

Theory of the reflection of electromagnetic waves from a plasma. I. A. Akhiezer. Zhur. tekh. fiz. 33 no. 8 935-942 Ag '63.

ELECTROMAGNETS

Choice of operating mode of electromagnetic mechanisms in R, L networks. V. P. Popov. Sbor. trud. LIIZHT no. 170:139-150 '61.

Electromagnetic removing of parts from electrolytic tanks. V. K. Popbol'. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10 34-35 '63.

ELECTROMAGNETS—WINDINGS

Rewinding of electromagnets to operate on different current. V. I. Kostin. Energetik 11 no. 10:37-38 O '63.

ELECTROMECHANICAL ANALOGIES

Complete set of devices for modeling research. D. I. Pashko. Mat. mod. i elek. tsepi no. 1:160-171 '63.

Discrete approximation of a continuous function at the boundary of a region in electrical modeling. G. M. Gershtein, I. N. Salii. Elektrichestvo no. 11:47-50 N '63.

Electric modeling of an isostatic network during pure compression or tension from external forces. O. I. Loladshvili, G. B. Rurua. Soob. AN Gruz. SSR 30 no. 5: 611-616 My '63.

Simplified extensions of circular models for the solution of Laplace's equation in infinite regions. L. V. Nitsetskii. Mat. mod. i elek. tsepi no. 1:136-146 '63.

Using an electronic model in investigating dynamic loads in the lifting mechanism of an excavator. D. A. Kaminskaia. Izv. vys. ucheb. zav.; mashinostr. no. 7:119-126 '63.

ELECTROMOTIVE FORCE

Electric resonance in electromechanical cells. A. V. Gorodyskii, E. V. Panov. Ukr. khim. zhur. 29 no. 6:883-884 '63.

Thermodynamic properties of the system AgCl - NaCl - $PbCl_2$. Part 2: Activities and activity coefficients of components of a system for the solid phase of variable composition [with summary in English]. A. A. Nazarov, M. M. Shul'ts, A. V. Storonkin. Vest. LGU 18 no. 16, 94-102 '63.

ELECTROMYOGRAPHY

Bio-electrical activity of skeletal muscles under the condition of alternating action of forces lifting and weighting [with summary in English] F. M. Ugurchiev, I. I. Kashin, B. F. Arandarenko. Izv. AN SSSR. Ser. biol. no. 5:746-754 S-O '63.

Bio-electrical activity of the muscles and the temperature of the body in mental diseases with catatonic syndrome. V. V. Stavitskii. Zhur. nevr. i psikh. 62 no. 12:1832-1839 '62.

Electrographic test for the evaluation of the muscle tonus [with summary in French] D. Vachov, I. Mezan, V. Sterkov. Zhur. nevr. i psikh. 62 no. 12:1784-1785 '62.

Reciprocal interrelations of muscle antagonists under normal conditions and in the case of brain tumors. V. I. Savich. Dokl. AN SSSR 7 no. 4:280-282 Ap '63.

Study of electrical muscular activity of the fascicular type (dorsal derivation) [with summary in French] P. S. Parson. Zhur. nevr. i psikh. 62 no. 12:1786-1792 '62.

ELECTRON BEAMS

Cold cathode with a trigger in an electron gun. V. B. Bomko, E. M. Reshetnev. Zhur. tekh. fiz. 33 no. 8:999-1006 Ag '63.

Effect of the configuration of the electromagnetic field of the input transition on the dynamics of electrons in the grouping section with a constant phase velocity of the wave. A. I. Zykov, F. F. Ostrovskii, L. V. Makhnenko. Zhur. tekh. fiz. 33 no. 9:1066-1069 S '63.

Interaction of an electron beam with a plasma in a magnetic field. M. F. Gorbatenko. Zhur. tekh. fiz. 33 no. 9:1070-1074 S '63.

Motion of electrons in a space-periodical helical magnetic field. R. A. Demirkhanov and others. Zhur. tekh. fiz. 33 no. 9:1098-1103 S '63.

ELECTRON DIFFRACTION EXAMINATION

Electron diffraction study of phase formation and phase transformations in thin Ni - Se films. G. A. Efendiev, I. V. Ivanova. Fiz. tver. tela 5 no. 10:2854-2858 O '63.

Electron diffraction study of the structure of monocrystalline cadmium selenide films. I. P. Kalinkin and others. Kristallografiia 8 no. 3:459-461 My-Je '63.

Electron diffraction study of the structure of sublimated ZnS and ZnS - Mn films. S. V. Kostylev, E. N. Sherstiak. Kristallografiia 8 no. 3:456-459 My-Je '63.

Electronography of the oxidation of thin scandium films. O. P. Naumkin, D. V. Ignatov. Izv. AN SSSR. Met. i gor. delo no. 5:141-144 S-O '63.

Present-day state of gaseous electronography. Theory of scattering of electrons by molecules. V. P. Spiridonov, N. G. Rambidi, N. V. Alekseev. Zhur. strukt. khim. 4 no. 5:779-797 S-O '63.

Structural correspondence between a metal and an oxide during the oxidation of titanium. D. I. Lainer, M. I. TSypin, A. S. Bat. Kristallografiia 8 no. 3:477-478 My-Je '63.

Structure of CdTe layers grown by sublimation on the natural cleavages of NaCl, KCl, and KBr single crystals. F. T. Novik, M. A. Rumeh, T. M. Zimkina. Kristallografiia 8 no. 3:378-381 My-Je '63.

ELECTRON GAS

At the sources of the electron gas. P. Oshchepkov. Tekh. mol. 31 no. 8:32 '63.

Prospects of using electron gas as insulation in high-voltage apparatus. M. I. Sysoev. Elektrotekhnika 34 no. 10:19-22 O '63.

Statistical properties of an electron gas in a narrow energy band [with summary in English]. V. M. Nitsovych. Ukr. fiz. zhur. 8 no. 8:877-882 Ag '63.

ELECTRON MICROSCOPY

Direct input of information on microscopic objects into a computer [with summary in English]. G. R. Ivanitskii, G. N. Orlovskii. Avtom. i telem. 24 no. 10:1416-1421 O '63.

Electron microscope observations on the process of chondrogenesis during the regeneration of tubular bones [with summary in English]. L. N. Mikhailova. Izv. AN SSSR. Ser. biol. 28 no. 5:763-767 S-O '63.

Electron microscopy of alloys in the system Al - Cu, Al - Cu - Mn, Al - Cu - Mn - Ni. N. A. Aristova and others. Alium. splavy no. 1:50-54 '63.

Structure of and recombination on a thermally oxidized germanium surface. R. IA. Berlaga and others. Fiz. tver. tela 5 no. 10:2990-2996 O '63.

Synaptology of the cerebral cortex of monkeys; electron microscopic study. L. N. D'iachkova. Dokl. AN SSSR 152 no. 4:989-991 O '63.

ELECTRON OPTICS

Determination of optimum parametrs of radially-slotted shutters in display systems of luminous objects. V. D. Andreev. Izv. AN SSSR. Tekh. kib. no. 4:184-195 Jl-Ag '63.

Direct input of information on microscopic objects into a computer [with summary in English]. G. R. Ivantskii, G. N. Orlovskii. Avtom. i telem. 24 no. 10:1416-1421 O '63.

ELECTRON TUBES

Aleksandrova, A. T., and others. [Equipment for working high-melting metals in the manufacture of electron vacuum devices] Oborudovanie dlia obrabotki tugoplavkikh metallov v elektrovakuumnom proizvodstve. Moskva, Gosenergoizdat, 1963. 79 p.

ELECTRON TUBES—TESTING

Reference sheet. Radio no. 10:57-59 O '63.

Regularities in the characteristics of tubes with secondary emission. A. D. Golubev, S. IA. Shats. Izv. vys. ucheb. zav., prib. 6 no. 5:11-19 '63.

ELECTRONIC ANALOG COMPUTERS

Calculation of a spherical shell by analog computers with the aid of the electronic device "Integrator." G. I. Grezdov, IU. P. Kosmach. Mat. mod. i elek. tsepi no. 1:64-72 '63.

Complete set of devices for modeling research. D. I. Pashko. Mat. mod. i elek. tsepi no. 1:160-171 '63.

Device for obtaining probability characteristics of a random stationary function. V. S. Moskpan. Izv. AN Uz. SSR, Ser. tekh. nauk 7 no. 4:26-30 '63.

Electric modeling of a certain nonlinear problem. G. I. Grezdov. Mat. mod. i elek. tsepi no. 1:58-63 '63.

Modeling of differential equations with boundary conditions by means of electronic analog computers. G. E. Pukhov. Mat. mod. i elek. tsepi no. 1:37-39 '63.

Possibility of constructing a controlling mathematical machine using reversible computing and solving units. G. E. Pukhov. Mat. mod. i elek. tsepi no. 1:8-11 '63.

Reversible computing and solving units. G. E. Pukhov. Mat. mod. i elek. tsepi no. 1:3-7 '63.

Reversible functional converter. K. D. Zhuk. Mat. mod. i elek. tsepi no. 1:12-16 '63.

Solvability of problems by means of MPT-9 type electronic integrators. V. N. Ostapenko. Mat. mod. i elek. tsepi no. 1:45-57 '63.

Theoretical premises for optimalizing the operation of an electric power system using electronic analog computers. S. V. Usov, G. M. Pavlov, V. V. Kantan, Izv. AN SSSR. Energ. i transp. no. 4:434-442 Jl-Ag '63.

Use of analog computers in studying the parallel operation of large turbogenerators. N. I. Sokolov, IU. L. Gurevich, Z. G. Khvoshchinskaia. Elektrichestvo no. 10:5-13 O '63.

Use of storage devices in solving problems by means of analog computers. A. I. Verlan'. Mat. mod. i elek. tsepi no. 1:41-44 '63.

ELECTRONIC ANALOG COMPUTERS—PROGRAMMING

Narets, L. K. [New problems in the statics, dynamics and stability of beams arising in connection with the appearance of computers of continuous and discrete action] Novye voprosy statiki, dinamiki i ustoichivosti balok, voznikaiushchie v sviazi s poiavleniem vychislitel'nykh mashin nepreryvnogo i diskretnogo deistviia, uchebnoe posobie. Tallinn, Tallinski politekhn. in-t, 1963. 87 p.

ELECTRONIC APPARATUS AND APPLIANCES

Use of quasi-negative resistors for improving the operation of amplifiers in a reversible model of linear equations. G. E. Pukhov. Mat. mod. i elek. tsepi no. 1:26-27 '63.

ELECTRONIC CIRCUITS

Characteristics of circuits with controllable nonlinear resistors. V. M. Bondarenko. Mat. mod. i elek. tsepi no. 1:208-213 '63.

Time characteristics of a voltage doubling rectifier circuit. V. G. Korol'kov. Trudy VNIIZ no. 10:71-75 '62.

ELECTRONIC COMPUTERS

The ABC's of calculating machines. Tekh. mol. 31 no. 8:19 '63.

Akademiia nauk URSR, Kiev. Instytut kibernetyky. [Computer mathematics and technology] Obchysliuval'na matematyka i tekhnika. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 128 p.

Automatic increase of computational accuracy in a machine with a fixed point. Kh. K. Brutian. Trudy Vych. tsentra no. 1:46-58 '63.

The book should be improved. A. I. Shishmarev. Priborostroenie no. 10:30 O '63.

Computation of the distribution of the intensity and degree of polarization by twilight sky. F. G. Udalevich. Trudy Astrofiz. inst. AN Kazakh. SSR 3:237-240 '62.

Computation of the lowest applicable frequencies and other short-wave communication quantities by means of electronic computers. Sh. G. Shitonskii, V. A. Gorbacheva. Geomag. i aer. 3 no. 4:711-716 Jl-Ag '63.

Computer systems with high productive capacity. E. V. Evreinov, IU. G. Kosarev. Izv. AN SSSR. Tekh. kib. no. 4:3-25 Jl-Ag '63.

Computing automatic compensator using KSR-T1 crystal triodes. L. IA. Miznik, V. G. Zubov. Razved. i prom. geofiz. no. 42:41-47 '61.

Determination of similitude criteria using a digital computer. IU. N. Astakhov, E. N. Zuev. Izv. AN SSSR. Energ. i transp. no. 4:505-507 Jl-Ag '63.

Electronic computers in recording, planning, and statistics. I. M. Skobennikova. Vest. vys. shkoly 21 no. 10:50-52 O '63.

Electronic machines in the national economy. L. Pil'kevich. Agitator no. 18:53-55 S '63.

Functional unit. V. I. Turchenkov. Priborostroenie no. 10:14-15 O '63.

Ivakhnenko, A. G. [Self-teaching systems with positive feedback] Samoobuchaiushchiesia sistemy s polozhitel'noi sviaziu, spravochnoe posobie. Kiev, Izd-vo AN USSR, 1963. 327 p.

Latenko, I. V. [Analogue multiplication devices] Analogovye mnozhitel'nye ustroistva. Kiev, Gostekhizdat USSR, 1963. 199 p.

Linskii, V. S. [Algorithmic design of digital computer devices] Algoritmicheskoe proektirovanie vychislitel'nykh tsifrovykh ustroistv. Moskva, Vychislit. tsentr AN SSSR, 1963. 132 p. (Akademiia nauk SSSR. Vychislitel'nyi tsentr. Soobshcheniia po vychislitel'noi tekhnike, no. 2)

Moscow. Nauchno-tekhnicheskoe obshchestvo radio tekhniki i elektrosviazi. [Cybernetics and electronic computer technology, materials of the 16th Conference of Science and Technology, April 17-21, 1961] Kibernetika i elektronno-vychislitel'naia tekhnika, po materialam XVI Nauchno-Tekhnicheskoi Konferentsii 17-21 aprelia 1961 g. Moskva, Gosenergoizdat, 1963. 147 p. (Cover title)

New monograph on cybernetics. A. A. Stogdil. Avtom. i telem. 24 no. 8:1138-1139 '63.

Plotting the optimal power balance by combining the rate of gas consumption by means of electronic computers. IU. A. Kuznetsov. Izv. SO AN SSSR no. 1:111 obshchestv. nauk no. 1:60-71 '63.

Practice in the calculation on a rapid calculating machine of the relationships between the yield of sunflowers and the moistening conditions. IU. S. Melnik. Meteor. i gidrol. no. 11:25-28 N '63.

[Principles of the design of self-teaching systems] Printsipy postroeniia samoobuchaiushchikhsia sistem. Kiev, Gostekhizdat USSR, 1963. 317 p.

Selecting a type of computing device for the automation of ship handling processes. V. Chernyshev. Mor. flot 23 no. 9:20-21 S '63.

Theory of a generator of random numbers. G. G. Vorshitcin, V. B. Svechinskii. Izv. AN SSSR, Tekh. kib. no. 4:202-208 Jl-Ag '63.

Theory of the coincidence of impulses of dependent flows. N. M. Sedlin. Izv. AN SSSR. Tekh. kib. no. 4:184-195 Jl-Ag '63.

Use of electronic computers in analyzing the path steps of process in man. I. V. Gubler. Prikl. mat. mekh. i biol. no. 4:78-80 '63.

Use of electronic computers to calculate volumes of strip mining operations. V. V. Rzhevskii, S. D. Isaenkov. Gor. zhur. no. 10:3-6 O '63.

Using an electronic computer to study conditions in strip mining operations. I. B. Tabakman. Gor. zhur. no. 10:9-12 O '63.

Using electronic computers in the automation of production management at a machinery plant. K. A. Dzhandzhgava, I. E. Bykov. Vest. mashinostr. 43 no. 10:44-47 O '63.

ELECTRONIC COMPUTERS—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur. Avtom., telem. i vych. tekh. no. 11 O-N '63.

ELECTRONIC COMPUTERS—CONGRESSES

Interuniversity Academic Conference on the Use of Electronic Calculating Machines in Accounting, Planning and Statistical Work. I. Skobennikova. Vest. stat. no. 8:73-78 '63.

ELECTRONIC COMPUTERS—PROGRAMMING

Establishment of programs for program control tools abroad. A. P. Borodina. Avt. prom. 29 no. 8:47 Ag '63.

ELECTRONIC CONTROL

Automatic system for geophysical oil-well logging. [By] Kochiev, P. IA. Lizin. Biul. tekh.-ekon. informats. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10:47-47 '63.

Multiplication and division using linear potentiometers. B. Felinzat. Radio no. 10:39-42 O '63.

Simple signalling circuit for the case of the deviation of controlled parameter. D. M. Agronov, V. I. Pis'mennyi. Priborostroenie no. 10:25-26 O '63.

ELECTRONIC DATA PROCESSING

Direct input of information on microscopic objects into a computer [with summary in English]. G. R. Ivantskii, G. N. Orlovskii. Avtom. i telem. 24 no. 10:1416-1421 O '63.

Imagination of an electronic brain. M. Plastun. Ogonek 41 no. 38:13 S '63.

Research tasks in using mathematical methods and electronic calculating machines. A. Boiarskii, V. Drozd-paridze. Vest. stat. no. 10:3-15 '63.

Šíbic, V. [From mechanization to automation of office procedures. Translated from the Czech] Ot mekhanizatsii upravlencheskikh rabot. Moskva, Mashgiz, 1963. 298 p.

ELECTRONIC DIFFERENTIAL ANALYZERS

Unit for measuring two-dimensional integral and differential distribution functions. V. A. Prianishnikov. Izv. vys. ucheb. zav., prib. 6 no. 5:3-10 '63.

ELECTRONIC DIGITAL COMPUTERS

Automatic reading of a mechanical drawing S. A. Frolov. Izv. vys. uchcb. zav., mashinostr. no 8 5-9 '63

Converting decimal integers into binary integers and binary fractions into decimal fractions. M. M. Sukhomlinov, V. I. Vykhovanets. Mat. mod. i elek. tsepi no. 1 238-245 '63.

Digital control system of resistance welding machines on the basis of commutator dekatrons N. V. Podola, IU. A. Masalov. Avtom. svar. 16 no. 5 20-27 My '63.

Elements of the synthesis of the control devices of electronic digital computers. N. G. Brunevich. Izv. AN SSSR Tekh. kib. no. 1 26-43 Jl-Ag '63.

Feasibility of a single universal group operation in the case of small-size digital computers. A. Sh. Chaduneli. Mat. mod. i elek. tsepi no. 1 147-159 '63.

Logical productiveness and efficiency of universal digital computers. A. V. Petrosian Trudy Vych. tsentra no 1: 54-65 '63.

Use of electronic digital computers in calculating the maximum usable frequencies for communication between two points. E. M. Kovalevskaia. Geomag. i aer. 3 no. 5 991-991 S-O '63.

Use of the "Ural-1" electronic digital computer in solving a problem concerning the supply of material and technical resources within the system of the National Economic Council of the Azerbaijan S. S. R. T. M. Askerov. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 3 51-57 '63.

ELECTRONIC DIGITAL COMPUTERS—MEMORY SYSTEMS

Optimum relationship between the volumes of various types of operational memory systems. A. V. Petrosian Trudy Vych. tsentra no. 1:66-70 '63.

ELECTRONIC DIGITAL COMPUTERS—PROGRAMMING

Determining the function of maximum carry propagation length V. M. Mikheiev. Zhur. vych. mat. i mat. fiz. 3 no. 5 942-949 S-O '63.

Device for manual feeding of numbers into a digital computer with automatic conversion from the decimal to the binary number system. IU. A. Makhmudov, F. A. Atamov, T. A. Badalov. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 3:59-65 '63.

ELECTRONIC INDUSTRIES—MANAGEMENT

Moscow. Energeticheskii institut. Kafedra ekonomiki promyshlennosti i organizatsii predpriiatiia. [Economics and organization of the manufacture of electronic vacuum devices] Ekonomika i organizatsiia elektrovakuumnogo proizvodstva Sost. A. IA. Doktorovich. Red. Fundaeva. Moskva, No. 2 1962. 69 p. [MICROFILM]

ELECTRONIC INDUSTRIES—QUALITY CONTROL

Economic effectiveness of increasing the reliability of radioelectronic equipment. N. N. Kulakov. Izv. SO AN SSSR no. 1. Ser. obshchestv. nauk no. 1:72-77 '63

ELECTRONIC INSTRUMENTS

High-speed comparator. G. N. Novopashennyi, G. N. Solopchenko, A. N. IAsenskii. Izv. vys. uchcb. zav.; prib. 6 no. 5. 136-138 '63.

Step-by-step optimalizing controller with asynchronous detector. V. M. Kuntsevich, L. I. Chugunnaia. Priboristroenie no. 10 9-11 O '63.

Universal wide-band d. c. device. IA. T. Zagorskii, E. V. Sheremetiev, G. A. Shtamberger. Priboristroenie no. 10 12-14 O '63.

ELECTRONIC MEASUREMENTS

Development of instruments for measuring the time parameters of periodic signals. V. I. Lazarev. Trudy VNIIZ no. 10 3-17 '62.

ELECTRONIC MUSIC

Zaripov, R. Kh. [Cybernetics and music] Kibernetika i muzyka Moskva, Izd-vo "Znanie," 1963 51 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia Fizika i khimiia, no. 18)

ELECTRONICS

[Radioelectronics in the national economy of the U. S. S. R.] Radioelektronika v narodnom khoziaistve SSSR; sbornik trudov nauchno-tekhnicheskikh konferentsii NTOR i E imeni Popova Kuibyshev, Kuibyshevskii elektrotekhn. in-t sviazi, 1962. 165 p.

ELECTRONICS—BIBLIOGRAPHY see Bibliography—Electronics

ELECTRONICS IN AGRICULTURE

Chudrovskii, A. F. [Use of transistors in agriculture] Primenenie poluprovodnikov v sel'skom khoziaistve. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1963. 47 p. (Seriia "Poluprovodniki," no. 14)

ELECTRONS

Determining the number of 3d-electrons in transition metals. A. T. Shuvaev, V. F. Demekhin. Fiz. met. i metalloved. 12 no. 6. 912-913 D '61.

Effect of horizontal gradients of electron concentration in the ionosphere on the magnitude of the maximum applicable frequency. T. S. Kerblai. Geomag. i aer. 3 no. 4 772-775 Jl-Ag '63.

Formula describing the energy of a many-electron system with one vacant site [with summary in English]. A. A. Kiselev. Vest. LGU 16 no. 16 51-55 '63.

Symposium on Hot Electrons, held in Kiev. P. G. Borzyak, O. G. Sarbei, P. M. Tomchuk Vest. AN SSSR 33 no. 10 100-102 O '63.

Temperature dependence of the effective mass of electrons in semiconductors. IU. I. Ukhanov, IU. V. Malt'sev. Fiz. tver. tela 5 no. 10 2926-2934 O '63.

Theory of radiative damping of radial oscillations of an electron in a magnetic field [with summary in English]. S. A. Kheifets, IU. F. Orlov Zhur. eksp. i teor. fiz. 15 no. 4 1225-1229 O '63.

Variational calculation of the correlation energy of a many-electron system [with summary in English]. L. N. Labzovskii. Vest. LGU 16 no. 16 127-130 '63

ELECTRONS—CAPTURE

Current carrier recombination on zinc atoms in n-type silicon. K. D. Glinchuk, N. M. Litovchenko Fiz. tver. tela 5 no. 10 3003-3005 O '63.

Determining the coefficients of volume removal of electrons by plasma break-up in oxygen. A. I. Anisimov, N. I. Vinogradov, V. E. Golant. Zhur. tekh. fiz. 34 no. 9 1711-1713 S '63.

Effect of certain activating and nonactivating additions on the formation and breakdown of trapping centers in KCl single crystals. T. D. Alieva, A. Kh. Khalilov. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 3 85-90 '63.

Effective cross section of electron capture by negative iron ions in germanium. A. D. Beliaev, V. G. Malogolovets. Fiz. tver. tela 5 no. 10. 1013-4046 O '63.

ELECTRONS—EMISSION

Distortions in the delay curves for three-electrode analyzers caused by the grids. A. M. Liutikov, IU. A. Shapiro Zhur. tekh. fiz. 33 no. 10 1265-1273 O '63.

Electromagnetic emission of atomic electrons in β-decay [with summary in English]. A. I. Grigor'ev. Zhur. eksp. i teor. fiz. 45 no. 5 1133-1135 O '63.

ELECTRONS—SCATTERING

Determination of nucleon-nucleon interaction from electron scattering on nuclei [with summary in English]. V. P. IAkovlev. Zhur. eksp. i teor. fiz. 45 no. 4 1218-1224 O '63.

Determination of the radial distribution function of molecular-electron density in multimolecular fluids [with summary in English]. M. I. Bulivets' Ukr. fiz. zhur. 8 no. 8 907-912 Ag '63.

Electron scattering by nonspherical nuclei, taking mixed states into account. B. I. Tishchenko. Izv. AN SSSR. Ser. fiz. 27 no. 11:1430-1435 N '63.

Electron scattering by nuclei according to the α-particle model of the nucleus [with summary in English]. V. Vadia, E. Inopin, M. IUsef. Zhur. eksp. i teor. fiz. 45 no. 4. 1164-1166 O '63.

Formula for the cross sections of elastic electron scattering. A. N. Pilankevich. Zhur. tekh. fiz. 33 no. 10 1260-1261 O '63.

Nernst-Ettingshausen effect in heavily alloyed n-type germanium. L. I. Domanskaia and others. Fiz. tver. tela 5 no. 10 3046-3048 O '63.

Present-day state of gaseous electronography. Theory of scattering of electrons by molecules. V. P. Spiridonov, N. G. Rambidi, N. V. Alekseev. Zhur. strukt. khim. 4 no. 5:779-797 S-O '63.

Theory of relaxation processes in antiferromagnetics with a helical structure. M. A. Savchenko, V. G. Bar'iakhtar. Fiz. tver. tela 5 no. 10. 2747-2755 O '63.

ELECTRONS—SPECTRA

Magnetic interaction energy between two systems of interacting electrons. S. V. Vonsovskii, L. IA. Kobelev. Fiz. met. i metalloved. 12 no. 6:814-825 D '61.

ELECTROOSMOSIS

Molveev, B. V. [Drying walls by electroosmosis] Sushka sten metodom elektroosmosa. Kiev, Gosstroiizdat USSR, 1963. 74 p.

ELECTROPHORESIS

Effect of the dispersity of the solid phase on its electrophoretic precipitation from suspensions. A. I. Avgustinik, V. S. Vigdergauz, G. I. Zhuravlev. Zhur. prikl. khim. 36 no. 8:1650-1654 Ag '63.

Multiple use of mathematical methods in the electrophoretic investigation of the protein composition of blood under normal and pathological conditions. B. G. Kaplan, V. E. Gurvich. Prim. mat. metod. v biol. no. 2:183-190 '63.

Simultaneous precipitation of several components for obtaining ceramic coatings by electrophoresis. A. I. Avgustinik and others. Zhur. prikl. khim. 36 no. 8: 1646-1650 Ag '63.

Stability of the therapeutic effect in the treatment of eye diseases with aloe extract electrophoresis (results of late observations). L. E. Cherkichi. Uch. zap. UEIGB 5:209-215 '62.

ELECTROPHORESIS—THERAPEUTIC USE

Fundamental principles and new methods for the use of galvanic current and electrophoresis in compound treatment of cardiovascular diseases N. A. Vinogradov, N. A. Kaplan. Vop. kur., fizioter. i fiech. fiz. kul't. 27 no. 1:289-296 Jl-Ag '62

Novaine electrophoresis, electrochemical, experimental, biochemical, and functional examinations. S. Kircheva and others. Vop. kur., fizioter. i fiech. fiz. kul't. 27 no. 4 299-304 Jl-Ag '62.

Novocaine electrophoresis in the treatment of experimental wounds. N. A. Barsukov. Vop. kur., fizioter. i fiech. fiz. kul't. 27 no. 4 301-307 Jl-Ag '62

Treatment of chronic coronary insufficiency with nicotinic acid by the electrophoretic method G. F. Gurov. Vop. kur., fizioter. i fiech. fiz. kul't. 27 no. 4:297-299 Jl-Ag '62

ELECTROPHYSIOLOGY

Change in the electric resistance of erythrocytes under the action of gamma rays. IU. A. Kriger, V. A. Vainson Nauch. dokl. vys. shkoly, biol. nauki no. 4:80-84 '63.

Effect of autolytic processes on the electrical parameters of tissues in irradiated animals [with summary in English] E. V. Burlakova, I. M. Pat'khomenko Trudy MOIP Otd. biol. 7 113-117 '63.

Study of chemoreception in insects and ticks; electrophysiological study of chemoreception in ixodid ticks IU. A. Litvinov. Vest. Mosk. un. Ser. 6 Biol., pochv. 18 no. 6 16-24 N-D '63

ELECTROPLATING

Galvanostatic study of the processes of electrodeposition and anodic solution of zinc in zinc perchlorate solution [with summary in English]. V. I. Kravtsov, G. V. Zverevich. Vest. LGU 16 no. 16 103-109 '63.

Overvoltage during electrolytic separation and solution of metals as a function of their physical properties. N. V. Vlasiuk Ukr. khim. zhur. 29 no. 8:828-839 '63.

ELECTROSTATIC PRECIPITATION

New types of electrodes for electrostatic precipitators. A. S. Savel'ev. Tsement 29 no. 4:15-16 Jl-Ag '63.

ELECTROSTATIC SPRAY PAINTING see Spray painting, Electrostatic

ELECTROTHERAPEUTICS

Fundamental principles and new methods for the use of galvanic current and electrophoresis in compound treatment of cardiovascular diseases N. A. Vinogradov, N. A. Kaplan Vop. kur., fizioter. i fiech. fiz. kul't. 27 no. 4:289-296 Jl-Ag '62

ELEMENTARY EDUCATION see Education, Elementary

ELEUTHEROCOCCUS

Symposium on Eleutherococcus and ginseng. M. A. Grinevich, N. I. Uvarova, A. M. IUdin. Izv. SO AN SSSR no. 8. Ser. biol.-med. nauk no. 2 139-141 '63.

ELEVATORS

New type of elevator. V. A. Ivankov, G. M. Rabinovich. Gor. khoz. Mosk. 37 no. 7:20-22 Jl '63.

ELM

Systematic position of Ulmus pinnato-ramosa Dieck. I. A. Grudzinskaia. Soob. Lab. lesoved. AN SSSR no. 6 19-27 '62.

ELVA DISTRICT—STOCK AND STOCKBREEDING—COSTS

From practice in increasing meat and milk production on the V. I. Lenin State Farm, Estonian S. S. R. A. I. Esin. Dokl. i soob. VNIESKH no. 16:56-67 '63.

EMBANKMENTS see subdivision under Kirghizistan

EMBEZZLEMENT

Conscience of an engineer. V. Pavlov. Ogonek 41 no. 37. 23-24 S '63.

Tanasevich, V. G. [Audit and accounting expertise in the investigation of cases of embezzlement of State and public property; a methodical manual] Revizila i bukhgalterskaia ekspertiza pri rassledovanii del o khishchenilakh gosudarstvennogo i obshchestvennogo imushchestva, metodicheskoe posobie. Otv. red. N. S. IAtskovskii Moskva, Gos. izd-vo iurid. lit-ry, 1958. 150 p. (MH-L)

EMBLEMS, NATIONAL

Kamentseva, E. I., and N. V. Ustiugov. [Russian sphragistics and heraldry] Russkaia sfragistika i geral'dika. Moskva, Vysshaia shkola, 1963. 222 p.

EMBRYOLOGY

Conditions and methods of the displacement in time of embryonal primordia [with summary in English]. G. A. Shmidt. Izv. AN SSSR. Ser. biol. 28 no. 4:526-546 Jl-Ag '63.

EMBRYOLOGY—BIRDS

Acid mucopolysaccharides of embryonic connective tissue under conditions of the deficiency and excess of thyroid hormones in the organism of a chicken embryo. G. V. Alekseeva. Izv. SO AN SSSR no. 8. Ser. biol.-med. nauk no. 2:108-112 '63.

722-705 O - 64 - 14

EMBRYOLOGY — BIRDS (Continued)

Role of selected papillae of the development of ossicles [illegible] Dokl. AN [illegible] '63.

EMBRYOLOGY—ECHINODERMATA

[illegible] Buznikov, I. V. Chaikova [illegible] Dokl. AN SSSR 152 no. 4:1014-1016 O '63.

EMBRYOLOGY—FISHES

Characteristics of the embryonic development of progeny produced by parents of various ages. I. M. Andreeva. Dokl. TSKHA no. 69:167-170 '61.

EMBRYOLOGY—INVERTEBRATES

Seasonality in the embryogenesis of marine invertebrates [with summary in English] B. N. Manukin, G. A. Buznikov. Zhur. obshch. biol. 24 no. 1:23-29 Ja-F '63.

EMBRYOLOGY—MAMMALS

Hormonal state of testes in mice exposed to gamma irradiation during embryonal development. F. B. Shamina, [illegible] Nauch. dokl. vys. shkoly, biol. nauki no. 1:79-84 '63.

Permeability of the capillaries of the brain at different stages of embryonic development (in health and following suffocation). Z. N. Filatova, T. B. Mindeeva-Kaza. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 43-44 '61.

EMBRYOLOGY (BOTANY) see Botany—Embryology

EMINENT DOMAIN

Answering workers' questions. Sov. just. no. 19:30 O '63.

Legal consequences of the compulsory acquisition of land for public or communal purposes [with summary in English]. N. A. Syrodeev. Vest. LGU 18 no. 17:93-102 '63.

EMPHYSEMA, PULMONARY

Morphology of cystoid pneumatosis in the lungs of children. L. M. Artamonova. Trudy mol. nauch. sotr. MONIKI no. 1:136-140 '58.

EMPLOYEE VACATIONS see Vacations, Employee

EMPLOYEES, DISMISSAL OF

Procedure for paying the total amount of unused leave to the navigating crews and harbor workers of river and marine transportation, as well as the navigating crews of the fishing industry fleet at the time of their dismissal. Explanation No. 17/21, August 17, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i sar. platy no. 10:7 '62.

EMPLOYEES, TRAINING OF
(see also subdivision under Donetsk Province)

Correspondence courses are particularly promising. Shveim. prom. no. 3:37-38 Je-Jl [i. e. My-Je] '61.

Pamphlet and study plan for correspondence courses for the improvement of skills and qualifications of the members of the Scientific and Technical Society of Engineers and Technical Workers, of production innovators and foremost workers of the canning industry. Kons. i ov. prom. 18 no. 10:40-41 O '63.

EMPLOYEES' BUILDINGS AND FACILITIES

Unified standard sections of office and employees' service buildings in various branches of industry. Biul. stroi tekh. 20 no. 8:3-4 Ag '63.

EMPLOYEES' INVENTIONS see Inventions, Employees'

EMPLOYERS' LIABILITY
(see also subdivision under Bashkiria; Kuybyshev Province)

Brief review of a booklet. Rad. pravo no. 4:145-148 Jl-Ag '63.

Determination of damages caused by maiming must be based on the tax-free average wage of the victim. Okhr. truda i sots. strakh. 6 no. 11:46 N '63.

Examination procedure for compensation cases resulting from damages sustained by railroad workers and employees in connection with their work. Okhr. truda i sots. strakh. 6 no. 11:47 N '63.

Legal forms of the participation of trade unions in the implementation of rules on liability for work injuries [with summary in English]. IU. N. IAvich. Vest. LGU 18 no. 17:105-109 '63.

"Liability for work injuries" by A. A. Maidanik, N. IU. Sergeeva. Reviewed by Kh. Shvarts. Sov. just. no. 13:29-30 Jl '63.

Responsibility for the violation of industrial safety rules. A. Shchedrina. Sov. just. no. 13:18-20 Jl '63.

EMPYEMA

Pleurectomy in tuberculous pleural empyema of 25 years duration. I. Z. Sigal. Kaz. med. zhur. no. 2:73-74 Mr-Ap '63.

EMULSIONS

Stability of emulsions. L. IA. Kremnev, L. A. Nikishechkina, A. A. Ravdel'. Dokl. AN SSSR 152 no. 2:372-374 S '63.

Use of concentrated fat-and-water emulsions in the bakery industry. IU. N. Kuramshin and others. Khleb. i kond. prom. 7 no. 10:1-4 O '63.

ENCEPHALITIS
(see also subdivision under Siberia, Western, Tomsk Province)

Data on allergic diagnosis of tick-borne encephalitis [with summary in English]. A. A. Stetkevich, V. F. Trentin. Trudy TomNIIVS 12:37-42 '60.

Obtaining gamma globulin for tick-borne encephalitis under industrial conditions [with summary in English]. N. B. Plakhova, V. G. Mel'nikova, A. I. Derova. Trudy TomNIIVS 12:254-257 '60.

Use of dry sera in complement fixation reaction for the diagnosis of tick-borne encephalitis [with summary in English]. M. S. Zagromova. Trudy TomNIIVS 12:31-36 '60.

ENCEPHALITIS—PREVENTIVE INOCULATION

Reactogenicity and the epidemiological effectiveness of antiencephalitic vaccine according to its evaluation by public health agencies [with summary in English]. N. G. Trukhmanov, A. R. IAvlia. Trudy TomNIIVS 12:22-28 '60.

ENCEPHALITIS VIRUSES

Detection of hemagglutinins of the Japanese and tick-borne encephalitis viruses in tissue culture. S. IA. Gaidamovich, Duan Suan-myou [Tuan Suan-miao], N. G. Titova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:30-31 '61.

Effect of different physical and chemical factors on the purified tick-borne encephalitis virus [with summary in English]. IU. V. Fedorov. Trudy TomNIIVS 12:20-22 '60.

Obtaining an antigen for the complement fixation reaction of tick-borne and Japanese encephalitis viruses from tissue cultures. S. IA. Gaidamovich, V. R. Obukhova, E. E. Mel'nikova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:31-33 '61.

ENCEPHALOGRAPHY

Data on pneumoencephalographic examination of chronic alcoholics [with summary in English]. A. P. Demichev, N. N. Grigorovich. Trudy Gos. nauch.-issl. inst. psikh. 38:211-229 '63.

ENCEPHALOMYELITIS

Experimentally induced changes of the type of infectious encephalomyelitis of horses in the liver of laboratory animals. IA. E. Koliakov, L. M. Pichugin. Trudy Mosk. vet. akad. 12:192-206 '56.

ENCYCLOPEDIAS AND DICTIONARIES, RUSSIAN

[Encyclopedic dictionary in two volumes] Entsiklopedicheskii slovar' v dvukh tomakh. Glav. red. B. A. Vvedenskii i dr. Moskva, Sovetskaia entsiklopediia.
Vol. 1 A - Maskaron [1963] 656 p.

ENDOCRINE GLANDS

Some biochemical displacements in the generative and endocrine organs occurring during removal of the cerebrum. S. K. Karapetian, M. B. Nazarian. Dokl. AN Arm. SSR 36 no. 4:237-242 '63.

ENERGY METABOLISM

Parameters characterizing the levels of energy metabolism in animals. V. S. Ivlev. Prim. mat. metod. v biol. no. 2:145-151 '63.

Simultaneous dynamic study and juxtaposition of the data of direct and indirect calorimetry as a method of improving the accuracy of calculations of the overall balance of energy and detecting the qualitative disorders of the overall energy metabolism in pathological states. P. N. Veselkin, V. F. Mogilin. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:15-16 '61.

ENGELS, FRIEDRICH, 1820-1895

Cornu, Auguste. [Karl Marx and Friedrich Engels; their lives and work. Translated from the German] Karl Marks i Fridrikh Engel's, zhizn' i deiatel'nost'. Moskva, Izd-vo inostr. lit-ry, 1959- 7 v. (OU)

Development of the aesthetic views of Marx and Engels in the "Holy family" [in Georgian with summary in Russian]. Sh. I. Revishvili. Trudy Tbil. GU 101:43-61 '62.

F. Engels' notes on his trip to Sweden and Denmark. K. L. Seleznev. Nov. i noveish. ist. no. 5:93-96 '63.

Marx and Engels on Islam. M. Batunskii. Nauka i rel. no. 2:77-80 F '62.

Marx, Karl, and Friedrich Engels. [Collected works] Sochineniia. Izd. 2. Moskva, Gospolitizdat.
Vol. 30, 1962, 756 p.

Recommended methods for an introductory lecture and student conferences on F. Engels' work "Ludwig Feuerbach and the death of classical German philosophy." L. S. Merzon. Vop. metod. prep. marks.-len. filos. v vuz. no. 1:30-53 '63.

ENGELS, FRIEDRICH, 1820-1895—BIBLIOGRAPHY see Bibliography—Engels, Friedrich, 1820-1895

ENGINEERING—STUDY AND TEACHING

Industry as a reliable support for general technical faculties. P. M. Zaglubotskii. Vest. vys. shkoly 21 no. 10:21-23 O '63.

Let's lay a solid foundation of scientific [illegible] knowledge. I. I. Artobolevskii. Vest. [illegible] no. 10:6-11 O '63.

ENGINEERING GEOLOGY
(see also subdivision under Ungra Valley)

Moscow. Vsesoiuznyi nauchno-issledovatel'skii [illegible] geologii. Trudy [illegible] inzhenernoi geologii. [Publications of the regional engineering geology] Voprosy [illegible] inzhenernoi geologii. Moskva, 1961. 85 p. [MICROFILM]

ENGINEERING LABORATORIES see subdivision under Simferopol'

ENGINEERING STANDARDS see Standards, Engineering

ENGINEERS see subdivision under White Russians

ENGINES—FUEL CONSUMPTION

Automatic apparatus for measuring fuel [illegible] G. Grokhal'skii, S. Polochnik. Energ. i elektrif. transp. 33 no. 3:18-19 Mr '63.

ENGLAND see Great Britain

ENGLISH CHANNEL—TUNNELS

The English Channel and politics. Ekon. i zhizn' 21 no. 11:16-17 O '63.

ENGLISH LANGUAGE—GRAMMAR

A Nauka's structural analysis [in Georgian with abstract in Russian]. M. V. Lomtatidze. Trudy Tbil. GU 79:63.

ENGLISH LANGUAGE—MACHINE TRANSLATION

Experience in literal translation of patent literature from the English language by the "Mashinist" [illegible] A. M. Shvarts and others. NTI no. 7:[illegible]

ENGLISH LANGUAGE—STYLE

Practice of classifying a word according to [illegible] style on the basis of differential features [illegible] English language. I. M. Vlader. Uch. zap. [illegible] 345-271 '63.

ENGLISH LANGUAGE—SYNTAX

Some characteristics of the syntax of English literature. A. L. Lugovain. Uch. zap. MGPIIIIa [illegible] 219 '63.

ENGLISH LANGUAGE—TECHNICAL ENGLISH

English language for ship engineers. O. Mon[illegible] A. Konovalenok. Mor. flot 23 no. 9:11 [illegible]

Some characteristics of the syntax of English literature. A. L. Lugovain. Uch. zap. MGPIIIIa 219 '63.

ENGLISH LANGUAGE—WORD FREQUENCY

Tarasova, G. A., and L. N. Bykova. [Structure of algorithm of an independent analysis of the English language] O structure algoritma nezavisimogo analiza angliiskogo iazyka. Moskva, In-t tochnoi mekhaniki i vychislitel'noi tekhniki Akad. nauk SSSR, [illegible] (Elektronnye vychislitel'nye mashiny) [With abstract in English]
(MIR)

ENGLISH LANGUAGE—WORDS

Practice of classifying a word according to [illegible] style on the basis of differential features [illegible] English language. I. M. Vlader. Uch. zap. [illegible] 345-271 '63.

ENGLISH LITERATURE—INDIC AUTHORS

"Indian writing in English" [in English] by K. R. [illegible] Iyengar. Reviewed by E. IA. Kalinnikova. [illegible] Afr. no. 5:227-229 '63.

ENGRAVINGS

Lofty objectives of the Soviet engraving. [illegible] Iskusstvo 26 no. 9:13-23 '63.

ENOLS

Interaction of tetrahydrofuran with acetyl chloride in the presence of zinc bromoenol acetates. V. A. [illegible] G. P. Smirnova, I. V. Machinskaia. Zhur. [illegible] no. 8:2570-2573 Ag '63.

ENSILAGE
(see also subdivision under Ukraine)

Advantages of the stack ensilaging method. P. [illegible] Ekon. sel'khoz. 34 no. 10:51-55 O '63.

Berezovskii, A. A. [Preparing and using combined silage] Prigotovlenie i ispol'zovanie kombinirovannogo silosa. Moskva, Sel'khozizdat, 1963. 72 p. (DNAL)

Characteristics of silage as related to the harvesting time of corn. M. I. Kuz'min. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:135-150 '61.

Investigating grab buckets for the removal of silage from a silo. N. M. Lukashevich. Trakt. i sel'khozmash. no. 3:31-32 Mr '63.

Reducing expenditures for corn ensilage and the preparation of straw for feeding. L. P. Nikol'skaia. Nauch. soob. VNIESKH no. 15:76-79 '63.

Seminar on new silage forage plants. V. S. Sokolov, [illegible] Medvedev. Bot. zhur. 48 no. 9:1404-1406 S '63.

ENZYMES
Effect of ultrasonic waves on the activity of some enzyme systems of erythrocytes in healthy people and in cancer patients [with summary in English] B IU Sal'nik, I A Serebrennikova, T. S. Fedorova Trudy TomNIIVS 12 292-296 '60

Enzymes and the tomorrow of chemistry. O. TSyperovych. Nauka i zhyttia 12 no. 3:35-37 Mr '63.

Immobilization of enzymes on soil. A. Sh Galstian Dokl. AN Arm. SSR 36 no. 5 225-228 '63

Injury of metal-containing enzymes as a primary manifestation of the biological action of penetrating radiation [with summary in English]. S E Manoilov. Trudy MOIP Otd. biol. 7:30-41 '63.

Mechanism of enzyme activation with the interaction of purified proteins [with summary in English] M F Mal'tsev and others Ukr. biokhim zhur 34 no. 2 187-198 '62.

Plurality and specificity of enzymes. K. L Gladilin. Priroda 52 no. 9 22-26 '63.

State of some oxidizing enzymes of the brain in tissue therapy. L. S. Zholnerovich. Uch. zap. UEIGB 5 258-262 '62.

EPIBROMOHYDRIN
Interaction of α-oxybromides with Na derivatives of β-dicarbonyl compounds. T. I. Temnikova and others. Zhur. ob. khim. 33 no. 10:3436-3437 O '63.

EPIDERMOPHYTON
Chemical nature of biologically active substances of Kaufmann-Wolff Epidermophyton. Z. V. Chernikova. Izv. SO AN SSSR no. 8. Ser. biol. -med. nauk no. 2 91-98 '63.

EPILEPSY
Development of delirium in epilepsy [with summary in French] V. M Bleikher, R I Zolotnitskii Zhur nevr i psikh 63 no 2 251-253 '63

Infarction of the myocardium originating during an epileptoid fit, abstract V. D. Troshin. Kaz. med. zhur. no. 1 119 Ja-F '61.

Role of aminazine in the treatment of epilepsy [with summary in French]. V. S. Pozdniakov Zhur nevr i psikh. 63 no. 2:276-279 '63.

EPOXY RESINS
Correcting defects in molding with pastes based on epoxy resin. V. V. Logvin. Trakt. i sel'khozmash. 33 no. 8 43-44 Ag '63.

Facing chromium plating baths with epoxy resins. P Pepchuk. Tekh. v sel'khoz. 23 no. 8:01 Ag '63.

Sealing cracks in concrete beams with epoxy cement. R. I. Bergen. Avt. dor. 26 no. 10:19-20 O '63

Use of epoxy compositions. Z. I. Breslavets, L. E. Abrosimova, E. P. Korolev. Sudostroenie 29 no. 9:49-50 S '63.

Use of epoxy resins in condenser repairing. A. S. Kucherov. Khol tekh. 40 no. 5:55 S-O '63.

EQUATION OF STATE
Approximate equation of state of solid bodies. V. M. Gegolev, V. G. Mylkin, G. I. IAblokova. PMTF no. 5 93-98 S-O '63.

Simple derivation of the equation of state for polymers. V. N. Pokrovskii. Fiz. tver. tela 5 no. 10:3018-3020 O '63.

EQUATIONS
Evaluation of a region of existence of periodic solutions. V. S. Serebriakova. Izv. vys. ucheb. zav.; mat. no 5:105-112 '63.

EQUIVALENT CIRCUITS
Equivalent circuits as a means for simplifying the study of the static stability of a multiple-unit system. M. V. Machinskii. Izv. vys. ucheb. zav. ,energ. 6 no. 6:1-6 Je '63.

ERBIUM—SPECTRA
Absorption and emission of divalent holmium and erbium ions in crystals of the fluorite type. IA. E. Kariss, P. P. Feofilov. Opt. i spektr. 15 no. 4:572-574 O '63.

ERGOCALCIFEROL
Comparative effect of ultraviolet and infrared rays and vitamin D_2 preparations in raising suckling pigs in winter. D. A. Ustinov. Trudy VIZH 24:403-412 '62.

ERHARD, LUDWIG, 1897-
Ludwig Erhard. Nov. vrem. 21 no. 43:20 O '63.

ERIVAN—DESCRIPTION
IAralov, IU. S. [Erivan] Erevan. Moskva, Izd-vo lit-ry na inostr. iazykakh, 1960. 71 p. illus. (WaU)

ERMOLAEV, BORIS NIKOLAEVICH, 1903-
Soiuz khudozhnikov RSFSR, Leningradskoe otdelenie. [Boris Nikolaevich Ermolaev; a catalog of an exhibition] Boris Nikolaevich Ermolaev; katalog vystavki. Leningrad, 1961. 25 p. illus. (MH)

EROSION
Determining the number of basic stages of level areas in mountain regions. Sh. A. TSkhovrebashvili. Soob. AN Gruz. SSR 30 no. 5:595-600 My '63.

EROSION CONTROL see Soil conservation

ERRORS, THEORY OF
Effect of temperature corrections on the divergence factor in the structural analysis of crystals. A. V. Nikitin, V. I. Simonov Kristallografiia 8 no. 3 446-449 My-Je '63.

Some properties of Hemming's code. A. V. Petrosian, B. S. Mnatsakanian, Sh. E. Borian. Dokl. AN Arm. SSR 37 no. 1 3-6 '63.

Theory of errors in the Runge-Kutta method [with summary in English]. A. A Kurmit. Vest. LGU 18 no. 19. 35-40 '63

ERYSIPELOID
Sources of infection in swine erysipelas. A. S. Korotich, IA. A. Golota, G. I. Goshcha Veterinariia 37 no. 2 32-34 F '60

ERYTHROCYTES
Change in the electric resistance of erythrocytes under the action of gamma rays. IU. A. Kriger, A A. Vainson. Nauch. dokl. vys. shkoly, biol. nauki no. 4:60-63 '63.

Effect of ultrasonic waves on the activity of some enzyme systems of erythrocytes in healthy people and in cancer patients [with summary in English]. B IU Sal'nik, I A Serebrennikova, T. S. Fedorova. Trudy TomNIIVS 12 292-296 '60.

Mathematics of the blood. IU. Shishina. Znan. -sila 38 no. 5:39-41 My '63.

Radiation aftereffect in erythrocytes [with summary in English]. IU. A. Kriger. Trudy MOIP. Otd. biol. 7:118-121 '63.

Statistical method of erythrocytometry using an electronic device. V. IU. Urbakh. Prim. mat. metod. v biol. no. 2: 170-176 '63.

ESCHERICHIA COLI
Critique of Minkevich's so-called "temperature test" for determining the titer of Escherichia coli. G P. Kalina. Uch. zap. Mosk. nauch. -issl. inst. san i gig no. 4:22-24 '60

Evaluation of the culture medium proposed by M. A. Khorfets for the detection of Escherichia coli in sausages V. I. Bugrova. Uch. zap. Mosk. nauch. -issl. inst. san i gig. no. 4:68-70 '60.

Experience in the use of the fluorescent antibody method in the diagnosis of colienteritis. E. V. Belogorskaia. Kaz. med. zhur. no. 2:66-69 Mr-Ap '63

Materials on the comparative evaluation of standardized and some nonstandardized methods for detecting Escherichia coli in water. E. P. Ponomareva. Uch. zap. Mosk nauch. -issl. inst. san. i gig. no. 4:20-30 '60.

Some problems of the pathogenesis of intestinal diseases caused by coli infections in young children [with summary in English]. V. P. Davidov, IU. V. Galaev, E. M. Gubarev. Pediatriia 42 no. 5:63-68 My '63.

ESENINA, TAT'IANA
Awaiting a miracle; about Tat'iana Esenina's tale "Zhenia, miracle of the 20th century." L. Frishov Zvezda no. 7:205-208 Jl '62.

ESPIONAGE, GERMAN see subdivision under Turkey

ESSENCES AND ESSENTIAL OILS
Study of the essential oil of marsh cinquefoil [with summary in English]. G. N. Naumchik, P. E. Rozentsveig. Apt. delo 12 no. 5:24-27 S-O '63.

ESTERIFICATION
Synthesis of alkyd resins with the method of step esterification. G. L. IUkhnovskii, V. M. Volosiuk. Lakokras. mat. i ikh prim. no. 5:18-21 '63

ESTERS
Catalytic synthesis of γ-ketocarboxylic esters by the method of conjugate hydrogenolysis. I. F. Bel'skii, N. I. Shuikin, V. M. Shostakovskii. Dokl AN SSSR 152 no. 4:862-864 O '63.

Infrared spectra of ester complexes with electron-accepting metal halides. Part 2. D. G. Bystrov. Zhur. strukt. khim. 4 no. 5:691-697 S-O '63.

ESTONIA—APARTMENT HOUSES
Housing in Estonia is on the increase. G. Trofimov. Zhil. -kom. khoz. 11 no. 12:6-7 D '61.

ESTONIA—ARCHAEOLOGICAL RESEARCH
Some results of the archaeological research in Soviet Estonia. M. Kh. Schmiedehelm. Sov. arkheol. 7 no. 3. 130-144 '63.

ESTONIA—BAKERIES—FINANCE
What do the figures tell? G. Platonov. Sov. potreb. koop. 7 no. 11:35-36 N '63.

ESTONIA—BIOGRAPHY
[Young people stepping into life] Noored astuvad ellu. Tallinn, 1963. 78 p. [In Estonian]

ESTONIA—GEOLOGY, STRATIGRAPHIC
Granulometric and mineralogical composition of rocks of the Tiskre stage and the Ulgase and Maardu members [in Estonian with summary in English]. A. Loog. Izv. AN Est. SSR. Ser. fiz. -mat. i tekh. nauk 12 no. 3. 334-338 '63.

ESTONIA—HISTORY
Vihalem, P. [Elections in bourgeois Estonia] Vallimised kodanlikus Eestis. Tallinn, Eesti Riiklik Kirjastus, 1963. 175 p. [In Estonian]

ESTONIA—HYDROLOGY
Hydrological service of the Tartu station to commercial organizations. L. I. Esko, O. N. Liseeva. Meteor. i gidrol. no 10:38-40 O '63.

ESTONIA—PEASANT UPRISINGS
"Peasant unrest and the peasant problem in Estonia in the late 18th and the first quarter of the 19th century" by L. J. Kahk. Reviewed by H H. Frumi. Vop. ist 38 no. 10 147-149 O '63

ESTONIA—POLITICS AND GOVERNMENT
Tamm, Ilmar. [Supreme Soviet of the Estonian S. S. R.] Eesti NSV Ulemnoukogu. Tallinn, Eesti Riiklik Kirjastus, 1963 105 p. [In Estonian]

ESTONIA—PSEUDOMONAS
Decomposition of sparingly soluble phosphorus compounds by bacteria from the genus Pseudomonas D. B. Gurfel'. Trudy Inst. mikrobiol. no. 11 233-237 '61.

ESTONIA—SOILS—MICROBIOLOGY
Seasonal fluctuation of the development of soil bacteria. P. H. Rahno. Vest. AN SSSR 33 no. 10. 54-57 O '63.

ESTONIA—SPORTS—ORGANIZATION AND ADMINISTRATION
Activities in physical education and hygiene of the Volunteer Sports Society "Kalev." E. I. Pasukhina. Teor. i prak. fiz. kul't. 26 no. 1 41-43 Ja '63.

ESTONIA—TIRES, RUBBER—MAINTENANCE AND REPAIR
Practices in repairing tires. A. Smirnov. Tekh. v sel'khoz. 23 no. 8. 77-79 Ag '63.

ESTONIAN ARTISTS see Artists, Estonian

ESTONIAN FOLKLORE see Folklore, Estonian

ESTROGENS
Effect of estrogens in the organism of ovariectomized animals on certain enzymes of carbohydrate metabolism [with summary in English] L. M. Makarevych-Hal'perin, S. N. Ushenko. Ukr. biokhim. zhur. 34 no 2 245-252 '62.

ETHANES
Investigation of the oscillation spectra of hydrocarbons of the 1, 1-diphenylethane series M M. Kusakov and others. Neftekhimiia 1 no. 3:317-328 My-Je '61

Pyrolysis of ethane-propane mixtures N. I., Barabanov, T. N. Mukhina. Neftekhimiia 1 no 3: 386-391 My-Je '61.

ETHANES—TOXICOLOGY
Pathologicoanatomical changes in the central nervous system and viscera in acute dichloroethane poisoning [with summary in English] S D. Dusheiko. Trudy Gos. nauch. -issl inst. psikh. 38:246-257 '63.

ETHANOL
Synthesis and study of 1-[p-(β-diethylaminoethoxyphenyl)-p-tolyl-2-p-chlorophenyl] ethanol. L. S. Zenis, A M. Khaletskii, V. G. Pesin. Zhur. ob. khim. 33 no. 10. 3141-3142 O '63.

ETHERS
Composition of the ether-aldehyde fraction. V. N. Stabnikov and others. Trudy Ukr NIISP no. 5:130-145 '59.

Glycol ethers and their derivatives. Part 58: Synthesis of β-bromoethyl-γ-chloroalkyl ethers. Shamkhal Mamedov, A. S. Agaev. Zhur. ob. khim. 33 no. 10 3166-3171 O '63.

Glycol ethers and their derivatives. Part 59: Alkoxymethyl ethers of 1, 4-butanediol. Shamkhal Mamedov, IU. V. Pokonova. Zhur. ob. khim. 33 no. 10:3171-3176 O '63.

ETHIOPIA—HISTORY—PERIODICALS
"Ethiopia observer," a periodical. V. A. Trofimov. Vop. ist. 38 no. 10:179-182 O '63.

ETHIOPIA—INVESTMENTS, FRENCH
The French railroad concession in Ethiopia. D. R. Boblikov. Krat. soob. Inst. nar. Az. no. 56:60-74 '63.

ETHIOPIA—RAILROADS
The French railroad concession in Ethiopia. D. R. Boblikov. Krat. soob. Inst. nar. Az. no. 56:60-74 '63.

ETHNOLOGICAL MUSEUMS AND COLLECTIONS
Valuable aquisition by the Anthropological and Ethnological Museum. Vest. AN SSSR 33 no. 10:122 O '63.

ETHNOLOGY see subdivision under Africa; United States

ETHNOLOGY—BIBLIOGRAPHY see Bibliography—Ethnology

ETHYLCARBAMATE

Pharmacological investigation of urethan in the light of [illegible] theories. Report no. 1. P. V. Bychkin [illegible] 12 92-94 '63.

Investigation of urethan and its derivatives in the light of [illegible] theories. Report no. 2. P. V. Bychkin [illegible] Moskv. 4 kaf. 12 95-98 '63.

ETHYLAMINE

[illegible] Problems in the development and [illegible] [with summary in English] V. S. Chelpanov, I. F. [illegible], Moskva, Izd-vo [illegible] '63.

ETHYLENE

Catalytic hydrogenation of ethylene on TiCl3 + Et2AlCl [illegible] forming the polymerization of ethylene. I. Natural, V. I. Isagulova, Iu. M. Chirkov. Doklady AN SSSR 152 no. 4 908-910 O '63.

Entropy of an active complex in the hydrogenation of ethylene on metals. G. I. Golodets. Kin. i kat. 4 no. 4 561-564 Jl-Ag '63.

Thermal and chemical investigation of synthetic materials based on polyethylene chloride. V. I. Slet. Uch. zap. Mosk. gorod. ped. inst. im. Lenina no. 9:121-126 '61.

ETHYLENE—SPECTRA

Microwave spectrum of the F2C=CHF molecule. I. A. Abdulaeva, Opt. i spektr. 15 no. 4 563-564 O '63.

ETHYLENE OXIDE

Assembly of the reaction of polyethyleneoxide and the effect of certain medicines on it [with summary in English]. M. Kh. Glezman, G. S. Bashura, B. I. Dashevskaia. Ukr. biokhim. zhur. 12 no. 5:17-23 S-O '63.

Condensation of α-methyl-α-phenyl-β,β-dimethylethyleneoxide with benzonitrile. T. I. Temnikova, T. E. Zhdanova. Zhur. ob. khim. 33 no. 10 3436 O '63.

Reaction of ethylene monothiocarbonate with alkene oxides. V. S. Ilin. Zhur. ob. khim. 33 no. 10 3378-3381 O '63.

Reactions involving α-oxides. Part 3. Kinetics of secondary reactions in the interaction between ethylene oxide and acetic acid. N. N. Lebedev, K. A. Gusikov. Kin. i kat. 4 no. 4 581-588 Jl-Ag '63.

ETHYLENE POLYMERS

Polymerization of ethylene on a chromia catalyst without a solvent. Iu. I. Ermakov and others. Khim. prom. no. 7 496-498 Jl '63.

ETHYLENIMINE

2-Ethylenamine-2-methyl-1, 3-indandione and its transformation products. I. A. Ivanov, G. A. Ozol, G. A. Wang. Zhur. ob. khim. 33 no. 10 3154-3157 O '63.

EUCALYPTUS

Color reactions to eucalyptic tincture. Iu. M. Shilov, V. E. Chichuro. Sbor. nauch. trud. TSANII 3 115-119 '62.

EUDIALYTE—OPTICAL PROPERTIES

Optical properties of eudialytes from the Khibiny Mountains and other places. V. G. Feklichev. Trudy IMGRE no. 15 121-135 '63.

EUROPE—COMMERCE

Economic contacts between Western and Eastern Europe in the decisive period of the Thirty Years' War [translated from the German]. Miroslav Hroch. Sred. veka no. 24 225-239 '63.

EUROPE—POLITICS

History and prelude: a book review. B. Leontiev. Nov. vrem. 21 no. 43 29-31 O '63.

EUROPE—STATISTICS—CONGRESSES

The 11th Plenary Session of the Conference of European Statisticians. Vest. stat. no. 10 77-81 '63.

EUROPE, EASTERN—COMMERCE—RUSSIA

Pseudo-scientific studies of bourgeois economists [with summary in English, p. 79]. F. Abramov. Vnesh. torg. 43 no. 10 13-17 '63.

EUROPE, EASTERN—CRIMINAL LAW

First Conference of the Criminalists of European Socialist Countries. V. Kolmakov. Rad. pravo no. 4 105-107 Jl-Ag '63.

EUROPE, EASTERN—DEFENSES

Friends in arms. A. Kravchenko. Sov. voin 45 no. 20: 42 O '63.

EUROPE, EASTERN—ECONOMIC CONDITIONS

Friendship works wonders. I. Penkin. Sov. voin 45 no. 20:42-43 O '63.

Thoughts suggested by the anniversary of the October Revolution. Edmund Pszczolkowski and others. Nov. vrem. 21 no. 45:16-20 N '63.

EUROPE, EASTERN—RELATIONS (GENERAL) WITH RUSSIA

Akademiia nauk URSR, Kiev. Instytut istorii. [Historical contacts of the Slavic peoples, papers for the Fifth International] Istorychni zv'iazky slov'ians'kykh narodiv; zbirnyk statei do V mizhnarodnoho kongresu slavistiv. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 291 p.

EUROPE, EASTERN—RELATIONS (GENERAL) WITH THE UKRAINE

[Our friendship is stronger than steel] Druzhba mitsnishe vid stali. Kyiv, Derzhpolitvydav URSR, 1962. 78 p.

EUROPE, WESTERN—INVESTMENTS, AMERICAN

Aggression of private capital of the U.S.A. in Western Europe. M. P. Zakhmatova. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 4 27-37 Jl-Ag '63.

EUROPEAN ECONOMIC COMMUNITY

Problems that worry mankind [with summary in English, p. 72]. M. Pochkaeva, D. Andreev. Vnesh. torg. 13 no. 10 28-31 '63.

EUROPEAN ECONOMIC COMMUNITY COUNTRIES—BIG BUSINESS

Anxieties of "Little Europe's" bourgeois. L. Pletnev. Mir ekon. i mezhdunar. otn. no. 10 141-143 '63.

EUROPEAN WAR, 1914-1918—DIPLOMATIC HISTORY

"Bourgeois historiography of the First World War, origin of the war and the international relations of 1914-1918" by K. B. Vinogradov. Reviewed by V. V. Ignat'ev. Novaia i noveishaia ist. no. 5 135-137 '63.

Interpretation of German policy during the European War of 1914-1918 by West German historiography. K. B. Vinogradov. Vop. ist. 38 no. 10 182-183 O '63.

EUROPEAN WAR, 1914-1918—NAVAL OPERATIONS—SUBMARINE

The "Okun" attacks. Voen. znan. 39 no. 10:14 O '63.

EURYGASTERS—EXTERMINATION

Combined chemical and biological measures for the protection of plantings for seed growing and breeding of the Institute against the shield bug Eurygaster integriceps in 1960. I. F. Geshele, V. P. Karpenko. Nauch. trudy Vses. sel.-gen. inst. no. 5:161-169 '62.

EVAPORATING APPLIANCES

Optimum distribution of the heating surface in a multiple-effect evaporator set. Sakh. prom. 37 no. 11:73-74 N '63.

Yeast evaporation in vacuum evaporating apparatus. A. G. Demin. Gidroliz. i lesokhim. prom. 16 no. 7:21-25 '63.

EVAPORATION

Forms of analytical dependence of total evaporation on soil moisture and thermal energy resources. V. S. Mezentsev. Trudy OmSKhI 41 123-133 '60.

Study of heat transfer during evaporation of solutions of urea in a wetted-wall evaporator of the rotary type. E. D. Kibrik, A. I. Rychkov. Khim. prom. no. 7:527-531 Jl '63.

EVAPORATION—CONGRESSES

Mezhvuzovskaia Nauchnaia konferentsiia po voprosam isparenia, gorenia i gazovoi dinamiki dispersnykh sistem 3d, 1962. [Theses of reports of the Inter-university Scientific Conference on Problems of Evaporation, Combustion, and Gas Dynamics of Disperse Systems] Tezisy dokladov. Odessa, Odesskii gos. univ. 1962. 26 p.

[MICROFILM]

EVAPORATION (METEOROLOGY)
(see also subdivision under Moldavia, Ukraine)

Konstantinov, A. P. [Evaporation in nature] Isparenie v prirode. Leningrad, Gidrometeorizdat, 1963. 500 p.

Methods for the calculation of diurnal variations of evaporation from the surface of soil and snow based on the air temperature and humidity as measured at meteorological stations. A. R. Konstantinov, A. V. Kudina. Trudy UkrNIGMI no. 31 101-113 '62.

EVENING AND CONTINUATION SCHOOLS

Admission of students to institutions of higher learning should be planned. A. M. Butylin. Vest. vys. shkoly 21 no. 10:23-24 O '63.

EVICTION

Eviction from apartments in government-owned houses of those persons who have their own houses. P. Diatlov. Rad. pravo no. 4:55-57 Jl-Ag '63.

EVIDENCE, CRIMINAL

Methodological problems of legal procedure. A. A. Starchenko. Vest. Mosk. un. Ser. 8: Ekon., filos. 18 no. 4: 38-50 Jl-Ag '63.

Statements. M. S. Strogovich and others. Vest. Mosk. un. Ser. 8: Ekon., filos. 18 no. 4:50-76 Jl-Ag '63.

EVIDENCE, EXPERT

Admission and evaluation of the presumable findings of expert witnesses. V. I. Shikanov. Sov. gos. i pravo 33 no. 10:118-120 O '63.

Multipurpose expertise in Soviet criminal procedure. E. B. Mel'nikova, I. L. Petrukhin. Sov. gos. i pravo 33 no. 10:113-117 O '63.

Some timely problems relating to expert evidence in criminal procedure. A. IA. Paliashvili. Sov. gos. i pravo 33 no. 10,109-113 O '63.

EVOLUTION

Anti-Darwinism and socio-Darwinism in the service of Hungarian reactionaries; the late 19th and the early 20th century. Lazlo Kovacs. Vest. Mosk. un. Ser. 8: Ekon., filos. 18 no. 5 63-73 S-O '63.

Is the teleology in live nature a myth? [illegible] Nauka i rel. 1 no. 8:9-15 Ag '63.

EXAMINATIONS

Dissenting opinion. N. Denisov. Znan.-sila 1 [illegible] 50-51 My '63.

EXAMINATIONS—QUESTIONS

Russia (1917- R. S. F. S. R.) Programmy [illegible] skoe upravlenie. [Questions for graduation exams in the eight-year school course for the [illegible] school year] Bilety dlia vypusknykh ekzamenov vos'miletnei shkoly na 1962/63 uchebnyi god. [illegible] Uchpedgiz, 1963. 27 p.

Tests for grade 6 and grade 7 students. [illegible] Mat. v shkole no. 5 52-55 S-O '63.

EXCAVATING MACHINERY
(see also subdivision under Great Britain)

Arrangement for the transfer of excavators from area to another. A. G. Kalvoishev. Mekh. i prom. no. 5 29 S-O '63.

ER-10 wheel excavator for trenching frozen ground. A. M. Kaftigin. Stroi. i dorozh. [illegible] S '63.

Graphic analytic method for finding the optimal parameters of a backhoe in plotting working faces [illegible] and dumping of soil. A. F. Zhelnin. [illegible] 41,53-61 '60.

Tests are delayed again. Ogonek 11 no. 41 [illegible]

Trenching in frozen ground with earth cutting [illegible] and excavators. O. D. Alimov and others. [illegible] tuboprov. 8 no. 8:18-19 Ag '63.

EXCAVATING MACHINERY—TESTING

Using an electronic model in investigating [illegible] in the lifting mechanism of an excavator. [illegible] mekhaniki. Izv. vys. ucheb. zav., mashinostr. [illegible] 125 '63.

EXCITONS

Phase transitions of the second kind during [illegible] stein condensation of excitons in a deformed [illegible] [with summary in English]. B. A. Moiseenko. Zhur. eksp. i teor. fiz. 45 no. 4, 1159-1164 O '63.

Possibility of observing Bose-Einstein condensation of excitons in group $A^{III}B^{VI}$ crystals. V. V. [illegible] tver. tela 5 no. 10:3028-3030 O '63.

Theory of excitons of large radius in [illegible] generate bands [with summary in English]. [illegible] Zhilich, V. P. Mukarov. Vest. LGU 16 [illegible] '63.

EXCITONS—SCATTERING

Calculating the probability of photoexciton [illegible] phonons. A. A. Demidenko. Fiz. tver. tela [illegible] 2835-2840 O '63.

EXECUTIONS (LAW)

Reparation for loss caused by the embezzlement [illegible] theft of socialist property. O. Kalfeldt [illegible] Rad. pravo no. 4 57-61 Jl-Ag '63.

EXERCISE

Effect of muscular activity on the cholesterol [illegible] the liver [with summary in English]. [illegible] Ukr. biokhim. zhur. 31 no. 2:270-274 '59.

Study of the effect of increased physical [illegible] level of ascorbic acid excreted with the [illegible] on an empty stomach [with summary in [illegible]] [illegible] Selivanova. Vop. pit. 22 no. 1:76-77 [illegible]

EXERCISE THERAPY

Exercise therapy in the compound treatment of [illegible] bations of brucellosis; abstract. I. B. [illegible] med. zhur. no. 1:116-117 Ja-F '61.

Method of exercise therapy in the treatment of [illegible] at a seaside health resort. A. P. Porokhin. [illegible] fizioter. i lech. fiz. kult. 27 no. 1,959-[illegible]

Oxyhemometric studies during exercise therapy [illegible] tients with postinsultus motor disorders. [illegible] D. B. Kalikshtein, L. L. Guseva. Kaz. med. zhur. [illegible] 119 Ja-F '61.

Use of exercise therapy after a myocardial infarction. E. I. Riabukha. Vop. kur., fizioter. i lech. fiz. kul't [illegible] no. 4:329-333 Jl-Ag '62.

Use of exercise therapy in coronary insufficiency. [illegible] Fedoseev. Vop. kur., fizioter. i lech. fiz. kul't [illegible] 325-329 Jl-Ag '62.

EXHAUST SYSTEMS

Air removal by exhaust methods with simultaneous [illegible] aration of dust and vapor. A. M. Gervas'ev. Prom. vent. no. 9 56-62 '60.

Calculating the volume of air removal by exhaust [illegible] ratuses as recommended by established standards [illegible] the dedusting of crushing-sintering plants and [illegible] tories manufactures. A. M. Gervas'ev. Prom. vent. no. 9:13-20 '60.

Dedusting of vibrating screens. M. T. Kamyshen [illegible] Prom. vent. no. 9:51-55 '60.

Using cyclone launders in small-size exhaust [illegible] A. M. Gervas'ev. Prom. vent. no. 9:69-84 '60.

EXHAUST SYSTEMS—DESIGN AND CONSTRUCTION

Improved design of a flexible vacuum hose and of a nozzle for sucking-in dust. L. V. Donat. Prom. vent. no. 9 [illegible] '60.

EXPANSION (HEAT)

Controlling temperature elongations in double circulation recuperators. F. F. Zigmund. Izv. vys. ucheb. zav., chern. met. 6 no. 9:203-208 '63.

EXPERIMENTAL MEDICINE see Medicine, Experimental

EXPERT EVIDENCE see Evidence, Expert

EXPLOSIONS

Course of the reaction in a detonation wave of mixed explosives. A. IA. Apin, I. M. Voskoboinikov, G. S. Sviridov. PMTF no. 5:115-117 S-O '63.

Effect of pressure on disturbances of the combustion stability of porous explosives. A. F. Beliaev, A. I. Korotkov, A. A. Sulimov. PMTF no. 5:117-120 S-O '63.

Experimental study of the dynamic field of stresses due to a contact explosion in a soft soil. V. D. Alekseenko. PMTF no. 5:99-106 S-O '63.

Formation of a shock wave and scattering of explosion products in the air. V. V. Adushkin. PMTF no. 5:107-114 S-O '63.

Use of explosions in the national economy; a conference of the Scientific Council. M. K. Termetchikov. Vest. AN SSSR 33 no. 10:113 O '63.

EXPLOSIVE FORMING

Explosive forming (from materials in "Sheet Metal [illegible]," 1962). B. A. Shchiglov. Kuz.-shtam. proizv. 5 no. 9:12-15 S '63.

EXPLOSIVES

New functions of explosives. IU. Konin. Tekh. mol. 30 no. 5:3-4 '62.

EXPLOSIVES—TESTING see subdivision under Kizel Basin

EXTRACTION (CHEMISTRY)

Application of physicochemical analysis for extraction processes. A. V. Nikolaev. Trudy Kom. anal. khim. 14:31-46 '63.

Automatic extraction-photometric method for the determination of uranium. P. N. Palei, A. A. Nemodruk, A. V. Davydov. Trudy Kom. anal. khim. 14 281-291 '63.

Behavior of some dipeptides in prolonged thermal extraction with organic solvents. A. A. Akimova, L. N. Akimova. Vest. Mosk. un. Ser. 2 Khim. 18 no. 5:62-64 S-O '63.

Characteristics of the process of batch-type extraction. A. B. Konshin. Khim. i tekh. topl. i masel 8 no. 10:8-14 O '63.

Construction of calcium and strontium with hydroxyquinolinates of certain elements. N. V. Shakhova, I. P. Alimarin, IU. A. Zolotov. Dokl. AN SSSR 152 no. 4:884-887 O '63.

Determination of small amounts of nickel and cobalt with the use of extraction. V. M. Savostina, V. M. Peshkova. Trudy Kom. anal. khim. 14:298-302 '63.

Effect of temperature on the extraction of oil-containing materials. A. G. Neshchadim. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:53-57 '63.

Equilibrium distribution of components in the systems H_3PO_4 - HCl - $CaCl_2$ - H_2O - isoamyl alcohol and H_3PO_4 - HCl - $CaCl_2$ - H_2O - n-butyl alcohol. I. IA. Sabanov, L. N. Shokin, S. A. Krasheninnikov. Zhur. prikl. khim. 36 no. 8:1701-1710 Ag '63.

Extraction equilibria and the theory of nonelectrolyte solutions. V. A. Mikhailov, S. K. Kharchenko, A. G. Nazin. Trudy Kom. anal. khim. 14:76-87 '63.

Extraction in photometric analysis. A. K. Babko, F. G. Zhirovskii. Trudy Kom. anal. khim. 14:210-270 '63.

Extraction of halide complexes of bismuth. A. K. Babko, I. A. Shevchuk, L. I. Degtiarenko. Trudy Kom. anal. khim. 14 146-153 '63.

Extraction of rare-earth elements. A. K. Lavrukhina, L. V. Ilkhina, Z. V. Khromchenko. Trudy Kom. anal. khim. 14:202-208 '63.

Extraction of rare-earth elements as ternary salicylate-pyridine complexes. N. S. Poluektov, L. A. Ovchar. Trudy Kom. anal. khim. 14:154-159 '63.

Extraction of ternary complexes (salts of organic bases with acid complexes of metals). M. M. Tananaiko. Trudy Kom. anal. khim. 14:114-132 '63.

Extraction-photometric determination of molybdenum by means of 2-(-N-piperidine) isopropyl-4-hydroxytetrahydro-3-furanone. O. R. Skorokhod, I. G. Tishchenko, N. V. Shedov. Trudy Kom. anal. khim. 14:292-297 '63.

Extraction-photometric determination of trace amounts of arsenic. L. B. Kristalova, P. V. Kristalev. Trudy Kom. anal. khim. 14:279-280 '63.

Extraction separation and determination of some elements by means of diantipyrylmethane. V. P. Zhivopistsev and others. Trudy Kom. anal. khim. 14:133-140 '63.

Factors determining the distribution of inorganic acids between aqueous and organic phases. E. V. Komarov, M. F. Pushlenkov, M. E. Shurenkova. Trudy Kom. anal. khim. 14:17-38 '63.

Isolation of carrier-free radioisotopes by extraction with organic solvents. N. P. Rudenko. Trudy Kom. anal. khim. 14 11-23 '63.

Methods for obtaining analytical uranium concentrates [with summary in English]. A. K. Babko, V. N. Danilova. Zhur. anal. khim. 18 no. 9:1036-1041 S '63.

On construction phenomenon. I. P. Alimarin, IU. A. Zolotov, N. V. Shakhova. Trudy Kom. anal. khim. 14 14-24-30 '63.

Synthesis of dialkyl esters of alkylphosphinic acids and testing of their extractive properties. O. N. Grishina and others. Trudy Kom. anal. khim. 14 312-322 '63.

Thermodynamics of the extraction of ionic associates as exemplified by the extraction of triphenylmethane dye salts. K. S. Krasnov, F. D. Kashkina, K. B. IAtsimirskii. Trudy Kom. anal. khim. 14,59-75 '63.

Use of extraction for determining small amounts of elements. V. A. Nazarenko. Trudy Kom. anal. khim. 14:3-10 '63.

EXTRACTION APPARATUS

New mechanized extractor for stumpwood chips. I. IA. Kocn, M. M. Kushnir. Gidroliz. i lesokhim. prom. 16 no. 7:27-28 '63.

EXTREMITIES (ANATOMY)

Characteristics of the histological structure of bony fibers of the compact substance in the long bones of the pelvic extremity in horses. V. I. Ippolitova. Dokl. TSKHA no. 69:201-209 '61.

EXTREMITIES (ANATOMY)—RADIOGRAPHY

Studying differentiation characteristics of the skeleton of the extremities in Orlov trotter stallions by the X-ray method. A. B. Bolarskii. Dokl. TSKHA no. 69, 301-307 '61.

EXTREMITIES, LOWER—ABNORMITIES AND DEFORMITIES

Symmetric disturbances in the anlagen of the lower extremities of the frog. A. A. Voitkevich. Dokl. AN SSSR 152 no. 6 1479-1482 O '63.

EXTRUSION (METALS)

Calculating stagnation zones in metal during extrusion. L. G. Stepanskii. Kuz.-shtam. proizv. 5 no. 10:1-3 O '63.

Extrusion of bimetal shapes. S. A. Golovanenko and others. Kuz.-shtam. proizv. 5 no. 10:7-9 O '63.

High-efficiency production of hard-alloy plates. S. I. Efremov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10:54-55 '63.

Investigating stresses in the forcing of a tube through the hole of a die. V. V. Shveikin, V. B. Slavin. Izv. vys. ucheb. zav.; chern. met. 6 no. 8:72-81 '63.

Investigating the rigid die multiple pass reduction process. N. T. Deordiev, IU. I. Filimonov. Kuz.-shtam. proizv. 5 no. 9:1-5 S '63.

EXTRUSION PROCESS

Extrusion of high-speed steel. V. P. Severdenko, K. V. Biekhov. Dokl. AN BSSR 7 no. 10,681-683 O '63.

EXUDATION (BOTANY)

Root excretions of fruit and berry plants. E. D. Zelenskaia. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 10 53-67 '62.

EYE

Effect of scleral papillae on the development of ossicles in the eye of chick embryos. V. I. Puchkov. Dokl. AN SSSR 152 no. 2:494-496 S '63.

EYE—ACCOMMODATION AND REFRACTION

State of ocular accommodation in radiotherapy [with summary in English]. IU. A. Bystrova. Med. rad. 8 no. 2:19-23 F '63.

EYE—CARE AND HYGIENE

Take care of your sight. Okhr. truda i sots. strakh. 6 no. 11:26-30 N '63.

EYE—DISEASES AND DEFECTS

Stability of the therapeutic effect in the treatment of eye diseases with aloe extract electrophoresis (results of late observations). L. E. Cherikchi. Uch. zap. UEIGB 5:209-215 '62.

Use of images distorted by fluctuations in the study of disorders of visual gnosis [with summary in French]. I. M. Tonkonogii, I. I. TSukkerman. Zhur. nevr. i psikh. 63 no. 2 236-239 '63.

EYE—EXAMINATION

Significance of studying the optic functions of the organ of vision in its traumas. IA. A. Przhibyl'skaia. Uch. zap. UEIGB 5:172-180 '62.

Use of images distorted by fluctuations in the study of disorders of visual gnosis [with summary in French]. I. M. Tonkonogii, I. I. TSukkerman. Zhur. nevr. i psikh. 63 no. 2 236-239 '63.

EYE—INFLAMMATION

Late results of the treatment of sympathetic ophthalmia. L. S. Terent'eva. Uch. zap. UEIGB 5.190-194 '62.

EYE—RADIOGRAPHY

Improvement of Komberg's method and Baltin's modification. R. S. Matkovich. Uch. zap. UEIGB 5.216-218 '62.

EYE—SURGERY

Late results of surgical intervention in lamellar cataracts. L. D. Pikalova. Uch. zap. UEIGB 5 181-184 '62.

EYE—TENSION see Intraocular pressure

EYE—TUBERCULOSIS

Treatment of tuberculous eye diseases with streptomycin and phthivazide in combination with tissue therapy. T. P. Filippova. Uch. zap. UEIGB 5 185-189 '62.

EYE—WOUNDS AND INJURIES

Significance of studying the optic functions of the organ of vision in its traumas. IA. A. Przhibyl'skaia. Uch. zap. UEIGB 5 172-180 '62.

State of the corneal nerves in burns of the eye. A. I. Popova. Trudy mol. nauch. sotr. MONII I no. 1, 70-72 '59.

Surgical treatment of insufficiency of the conjunctival cavity in anophthalmia. V. P. Get'man. Uch. zap. UEIGB 5 130-146 '62.

FACTOR ANALYSIS

Factor analysis and its use for studying the relation of some anthropometric characters of Russians and Buryats. V. P. Chtetsov. Prim. mat. metod. v biol. no. 2: 100-106 '63.

FACTORIES—DESIGN AND CONSTRUCTION

Building design for the construction of a bearing plant. E. S. IAmpol'skii. Biul. stroi. tekh. 20 no. 10 45-46 O '63.

Improve the economic justification in the building of new canning plants. S. A. Orlov. Kons. i ov. prom. 18 no. 10, 29-30 O '63.

Several problems in designing general plans for machinery plants. IA. T. Zusmanovich. Prom. stroi. 41 no. 10 41-45 O '63.

FACTORIES—FIRES AND FIRE PREVENTION

Price of a minute. L. Kosykh. Pozh. delo 9 no. 9:20 S '63.

FACTORIES—HEATING AND VENTILATION

Aeration of industrial buildings. S. I. Strizhenov. Izv. ASIA no. 1 38-47 '61.

FACTORY LIBRARIES

Books at the place of work. V. Kivkulsan. Bibliotekar' no. 10, 26-28 O '63.

How they made a library. M. Vasilenko. Bibliotekar' no. 9 44-45 S '63.

FADEEV, ALEKSANDR ALEKSANDROVICH, 1901-1956

Meetings with Fadeev. Sergei Vasil'ev. Oktiabr' 39 no. 12:151-156 D '62.

FAIRY TALES

Zabila, Natalia, ed. [Ivan, the hero, Ukrainian fairy tales] Ivan-bogatyr', ukrainskie volshebnye skazki. Kiev, Gos. izd-vo detskoi lit-ry USSR, 1960. 73 p., illus. (NcD)

FALCONRY

Hunting with birds. E. S. Kokes. Priroda 52 no. 9 112-114 '63.

FANS, ELECTRIC

Improved fastening of the blades of MTs-8 cooling fans. V. IA. Dubinskii. Energetik 11 no. 10 38 O '63.

In the design institutes. Biul. stroi. tekh. 20 no. 8 39-43 Ag '63.

FANS, MECHANICAL

Joint operation of fans and natural pull. G. V. Shpaak. Ugol' 38 no. 9:50-53 S '63.

FAR EAST—ARCHITECTURE AND CLIMATE

Public housing and climatological peculiarities of the southern part of the Far East. V. K. Litskevich. Sbor. nauch. rab. DVNIIS no. 1:75-86 '61.

FAR EAST—FOREIGN ECONOMIC RELATIONS

Development of economic contacts and the history of international relations in the Far East in the modern period, from the 18th through the early 20th century. A. L. Gal'perin. Krat. soob. Inst. nar. Az. no. 64, 9-20 '63.

FAR EAST—GEOLOGY, STRUCTURAL

Basic characteristics of the Riphean tectonics in the Far East, experience in representing the paleotectonic pattern. M. I. Itsikson, S. A. Muzylev. Trudy VSEGEI 85, 149-177 '63.

FAR EAST—LITERATURES

Historical foundation for the division of the history of literature into successive periods [with summary in English, pp. 259-260]. V. I. Semanov. Nar. Az. i Afr. no. 5 118-134 '63.

FAR EAST—OCEAN BOTTOM

Recent vertical movements on the bottom of the seas in the Far East. V. F. Kanaev. Okeanologiia 3 no. 4: 669-673 '63.

FAR EAST—WORLD WAR, 1939-1945

U. S. plans in the decisive period of the war in the Pacific. V. B. Vorontsov. Krat. soob. Inst. nar. Az. no. 64: 49-59 '63.

FAR EAST, SOVIET see Soviet Far East

FARM BUILDINGS

In the design institutes. Biul. stroi tekh. 20 no. 8 39-43 Ag '63.

FARM MANAGEMENT
(see also subdivision under Azerbaijan)

Seminar on the organization of labor and the utilization of the labor force on collective and state farms. V. N. Pozdniakov, A. F. Cheshkov. Dokl. i soob. VNIESKH no. 15 163-165 '63.

FARM MECHANIZATION
(see also subdivision under Novosibirsk Province, Rostov Province; White Russia)

Farm mechanization is the main potential for increasing labor productivity in stockbreeding. M. I. Gorlachkin. Dokl. i soob. VNIESKH no. 15 91-99 '63.

Introduce the work practice of V. Perevitskii's and V. Svetlichnyi's mechanized sections. A. Cheshkov. Ekon. sel'khoz. 34 no. 9 118-123 S '63.

Mechanization is the main force in developing agriculture. A. Ezhevskii. Ekon. sel'khoz. 34 no. 9 11-19 S '63.

Quantity plus quality. V. Gorbovskii. Sov. profsoiuzy 19 no. 20, 22-23 O '63.

Technological planning charts. E. Kogan. Ekon. sel'khoz. 34 no. 9 56-64 S '63.

TSentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i elektrifikatsii sel'skogo khoziaistva nechernozemnoi zony SSSR. [Transactions of the Scientific Conference of 1962] Trudy nauchnoi konferentsii 1962 goda. Pod red. M. E. Matsepuro, i V. V. Katsygina. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963, 106 p. (DNAL)

FARM MECHANIZATION—STUDY AND TEACHING
(see also subdivision under Volgograd Province)

Let's improve the production practice. P. Rudzevskii. Prof.-tekh. obr. 20 no. 9:21-22 S '63.

Let's systematically check the home assignments. I. Trushnikov. Prof.-tekh. obr. 20 no. 9:27-28 S '63.

Tractors and motor vehicles obey them. S. Mikhal'ov. Nar. obr. no. 10:58-59 O '63.

FARM PRODUCE—MARKETING

Important problems concerning the production and marketing of farm produce. M. Alisov. Kommunist 40 no. 15: 86-95 O '63.

FARMERS—PENSIONS

So that everybody gets according to his work. V. Lukianova. Sots. obesp. 24 no. 8:16-18 Ag '63.

What is meant by the length of service on a collective farm. A. Tarashchanskii. Sots. obesp. 24 no. 8 18-20 Ag '63.

FARMS—OFFICIALS AND EMPLOYEES see subdivision under Azerbaijan

FARMS—VALUATION

International symposium on the problems of the economic valuation of land. S. Ch. 117-119 O '63.

More on the criteria for the economic valuation of land. S. Cheremushkin. Ekon. sel'khoz. 34 no. 10 93-96 O '63.

FASCISM see subdivision under Italy

FASHION

Fall 1963. A. Rusina. Sov. torg. 36 no. 8:54-56 Ag '63.

FASHION—PERIODICALS

"Siluet"; fall motifs. M. Dolgopolova. Sov. Soiuz no. 10: 26-27 '63.

FASTENINGS

Using special thread gauges in manufacturing zinc plated fastenings. M. P. Malakhov. Khim. mashinostr. no. 3 40-41 My-Je '63.

FATIGUE

Effect of work classes on the functional state of the nervous system in school children. B. I. Temkin. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 19-21 '59.

Komendantov, G. L. [Physiological fundamentals of fatigue] Fiziologicheskie osnovy utomleniia. Moskva, TSentr. in-t usovershenstvovaniia vrachei, 1963, 32 p.

FATTY ACIDS see Acids, Fatty

FECES—ANALYSIS

Changes in the morphological and physicochemical characteristics of calf feces as related to the age, feed rations, and in enterocolitis. A. I. Ulendeev. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:41-50 '61.

FEDCHENKO GLACIER—RUNOFF

Using the method of runoff plots for measuring the runoff caused by ice and snow melt water of the Fedchenko Glacier [with summary in English]. D. P. Sokolov. Vest. LGU 18 no. 18:144-150 '63.

FEDIN, KONSTANTIN ALEKSANDROVICH, 1892-

K. A. Fedin's views on the culture of the Russian language. V. P. Vomperskii. Vest. Mosk. un. Ser. 7: Filol., zhur. 18 no. 5:39-47 S-O '63.

FEDOROV, VLADIMIR

Two tales. A. Kondratovich. Nov. mir 39 no. 2 261-264 F '63.

FEDOROV, VLADIMIR IVANOVICH

Poetry of a generous heart. A. Vlasenko. Oktiabr' 39 no. 12:206-207 D '62.

FEDYAYEVO (ANGARA VALLEY)—STONE IMPLEMENTS

A late paleolithic site near Fedyayevo village on the Angara. S. N. Astakhov. Sov. arkheol. 7 no. 3 209-215 '63.

FEEBLEMINDEDNESS see Mental deficiency

FEED GRINDERS

The PZG-3 paste-making machine. V. A. Pugachev. Trakt. i sel'khozmash. 33 no. 3:34-35 Mr '63.

FEED MECHANISMS

Dedusting the fuel feed channels in the Ural Mountain region electric power plants. G. D. Brekson. Prom. vent. no. 9 120-124 '60.

FEEDING—EQUIPMENT AND SUPPLIES
(see also subdivision under Lithuania)

Mechanized distribution of feeds on dairy farms. V. Gopka. Tekh. v sel'khoz. 23 no. 6:34-35 Ag '63.

FEEDS

Enriching mixed feeds with vitamin A and trace elements. S. M. Kabozev, R. P. Nikolaev, A. F. Romanova. Trudy VIZH 24:138-148 '62.

Increasing the biological value of mixed feeds with fats and fatlike substances. N. A. Smekalov. Trudy VIZH 24:125-137 '62.

Mineral nutrition of farm animals and the use of stock licks. P. E. Evseev. Trudy VIZH 24 223-238 '62.

Planning the feed base. I. V. Shebanin. Dokl. i soob. VNIESKH no. 16 128-139 '63.

Stable feed supply is the basis for developing stockbreeding. L. S. Polovenko. Dokl. i soob. VNIESKH no. 15 63-75 '63.

FEEDS—MICROBIOLOGY

Materials on sanitary bacteriological evaluation of feeds. G. D. Gurieva. Trudy Mosk. vet. akad. 12:169-176 '56.

Sanitary bacteriological study of feeds with regard to Bacillus perfringens. A. P. Vasil'ev. Trudy Mosk. vet. akad. 12:177-186 '56.

FEEDS—STORAGE

Commercial storage of mixed feeds enriched with minute quantities of various supplements. N. K. Florenskaia and others. Trudy VNIIZ no. 44:67-76 '63.

FEEDWATER

Decrease in the temperature of water returning from heaters. V. T. Blagikh. Energetik 11 no. 10:15-16 O '63.

Experience in operating the IZH-60 hardness meter in the Tyumen Thermal Electric Power Plant. V. P. Meryliakov, N. A. Ketegat. Energetik 11 no. 10:22-23 O '63.

Improved system for introducing milk of lime into a clarifier. V. S. Gochev, M. T. Molchadskii. Energetik 11 no. 10 13-14 O '63.

Solubility of magnesium hydroxide in water vapor at superhigh parameters. O. I. Martynova, E. P. Serov, O. K. Smirnov. Izv. AN SSSR. Energ. i transp. no. 4 555-560 Jl-Ag '63.

Use of ammonium cation exchangers for the ammination of feed water. T. P. Rudenko, D. I. Pashchenko. Energetik 11 no. 10 10-11 O '63.

FEEDWATER PURIFICATION

Apparatus for electromagnetic treatment of water. V. A. Briukvin, T. P. Regentov. Energetik 11 no. 11:14-15 N '63.

Belan, F. I. [Feed water purification] Vodopodgotovka. Izd. 2., perer. Moskva, Gosenergoizdat, 1963. 319 p.

Causes leading to decreased efficiency in the removal of free carbon dioxide from feed water at low values of bicarbonate alkalinity. B. M. Stoliarov. Energetik 11 no. 10:44-45 O '63.

Economy of multiple chamber adiabatic continuous flow evaporators. G. IA. Lukin. Sudostroenie 29 no. 9:20-23 S '63.

Hydrazine additives in the preparation of feedwater. S. A. Karasev. Sakh. prom. 37 no. 11:73 N '63.

Improving ion exchange filters. A. S. Medovaia. Gidroliz. i lesokhim. prom. 16 no. 7:25 '63.

Oil extraction from the condensate and the technical characteristics of filter materials and marine feedwater heaters. V. Vul'fson. Mor. flot 23 no. 9:29-31 S '63.

Operation of ship evaporators in conditions of low-parameter steam generators. L. P. Korshunov. Sudostroenie 29 no. 9:23-26 S '63.

Protection of water heating equipment using chlorinated fiber and mass. L. V. Akhrameev. Energetik 11 no. 11:19 N '63.

Simplified design and calculation of magnetic apparatus for water treatment without reagents. I. I. Vulaev, P. A. Soboliev. Leh. prom. no. 3 32-34 Jl-S '63.

Slotted ion exchange filter distribution device. L. M. Kukin. Energetik 11 no. 10:11-13 O '63.

Study of a thermal water degassing process in a vacuum with bubbling of the water vapor. I. I. Oliker. Izv. vyss. uchеb. zav.; energ. 6 no. 6:65-72 Je '63.

FEIZULLAEV, A. V., d. 1962

A. V. Feizullaev. Zhur. nevr. i psikh. 62 no. 12:1831 '62.

FELT

Monotone dyeing of felt cones manufactured from wool and viscose fibers. A. V. Kol'tsova. Nauch.-issl. trudy TSNIIShersti no. 16:161-165 '61.

FEMORAL MUSCLE

Internal structure and chemical composition of some femoral muscles in newborn bull calves of the black-and-white breed and its hybrids. V. I. Gorbenko. Dokl. TSKHA no. 69:309-316 '61.

FENCING

Redoutable foils. I. TSyves. Rab. i sial. 39 no. 7:17 Jl '63.

FERGANA—CITIES AND TOWNS

Zotov, A., and others. [Cities of the Fergana Valley, concise reference] Goroda Ferganskoi doliny, kratkii spravochnik. Perev. 2 izd. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1963. 157 p.

FERGANA—COTTON BREEDING

Cotton breeding. L. A. Turks. Trudy FergZOS no. 2: 5-43 '59.

FERGANA—COTTON—FERTILIZERS AND MANURES

Effectiveness of the placement of fertilizers at the time of planting and side placement for cotton in crop rotations. V. M. Ivanov. Trudy FergZOS no. 2:145-161 '59.

FERGANA—COTTON GROWING

Biological characteristics of some cotton varieties in checkrow sowing. V. IA. Butkova. Trudy FergZOS no. 2:45-71 '59.

FERGANA—ECONOMIC CONDITIONS

Nearer to life. G. Gizatullin. Part. zhizn' [Uzb.] 6 no. 2:22-26 F '63.

FERGANA—GEOLOGY, STRATIGRAPHIC

Angular and stratigraphic unconformity between the Cretaceous and the Paleogene sediments in northern Fergana [with summary in English]. N. N. Verzilin. Vest. LGU 18 no. 18, 164-165 '63.

FERGANA—INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

There is a need for a specialized trust. A. Altukhov. Nar. khoz. Uzb. 5 no. 10 17-18 O '63.

FERGANA—LAMELLIBRANCHIATA, FOSSIL

Some Aviculopectinidae from Carboniferous sediments in southern Fergana [with summary in English]. L. V. Kushnar'. Vest. LGU 18 no. 18 36-45 '63.

FERGANA—ROCKS, SEDIMENTARY

Structure and facies division of proluvium as revealed by the studies of the Fergana Valley. V. I. Lilisov. Dokl. AN SSSR 152 no. 6:1445-1448 O '63.

FERGANA—ROCKS, SEDIMENTARY—CLASSIFICATION

Classification of mixed sedimentary rocks. N. N. Verzilin. Uch. zap. LGU no. 310:123-133 '62.

FERGANA—WINDS

Mountain-valley winds of Fergana. V. V. Golovin. Vest. Mosk. un. Ser 5: Geog. 18 no. 6:67-62 N-D '63.

FERMENTATION

Studying the flavor giving substances formed during the process of dough fermentation and bread baking. E. B. Tokareva, V. L. Kretovich. Khleb. i kond. prom. 6 no. 1:6-11 Ja '62.

FERRATES see Ferrites (Magnetic materials)

FERRITES (MAGNETIC MATERIALS)

Establishment of ferrite magnetization precession at high power levels. A. P. Aleksandrov and others. Fiz. tver. tela 5 no. 10:2766-2770 O '63.

Generation and development of electromagnetic shock waves in transmission lines containing unsaturated ferrite. L. A. Ostrovskii. Zhur. tekh. fiz. 33 no. 9: 1060-1062 S '63.

Interaction of ferrites with molten salts and metal oxides. L. M. Viting, K. G. Khomiakov. Vest. Mosk. un. Ser 2 Khim. 18 no. 5:39-40 S-O '63.

Noises in cyclic magnetic reversal of ferrites at low temperatures. G. P. Zhigal'skii, V. V. Potemkin. Zhur. tekh. fiz. 33 no. 10 1274-1280 O '63.

Relationship between saturation magnetization and the parameters of ferrites used in the superhigh-frequency technique [with summary in English]. IE. L. Bariashevskyi and others. Ukr. fiz. zhur. 8 no. 8:804-813 Ag '63.

FERROCENE

Alkylation of ferrocenylamine. A. N. Nesmeianov, V. A. Sazonova, V. I. Romanenko. Dokl. AN SSSR 152 no. 6: 1358-1359 O '63.

Perfluoroethanoylferrocene. A. N. Nesmeianov and others. Dokl. AN SSSR 152 no. 4:875-878 O '63

FERROELECTRIC SUBSTANCES

Experimental study of the statistical distribution of domains in ferroelectric ceramics. A. V. Turik. Fiz. tver. tela 5 no. 10 2922-2925 O '63.

FERROMAGNETIC RESONANCE

Ferromagnetic resonance in single-crystal iron-yttrium garnet retaining its magnetic structure. B. M. Lebedev, L. IA. Mukha. Fiz. tver. tela 5 no. 10 2963-2967 O '63.

High-frequency magnetic susceptibility of tetragonal and rhombohedral weak ferromagnetic materials. N. G. Guseinov. Fiz. met. i metalloved. 12 no. 6 795-800 D '61.

Nickel ferrite single crystals with a narrow ferromagnetic resonance line. S. Sh. Gendelev, B. L. Lapovok, B. E. Rubinshtein. Fiz. tver. tela 5 no. 10 3037-3038 O '63.

Some characteristics of ferromagnetic resonance in yttrium garnet with conservation of domain structure. A. A. Manuilova. Fiz. tver. tela 5 no. 10 2847-2853 O '63.

FERROMAGNETISM

Equation for the magnetization of an isotropic ferromagnetic material in the case of arbitrary spin. S. V. Tikhikov. Fiz. met. i metalloved. 16 no. 3:321-323 S '63.

Theory of relaxation processes in antiferromagnetics with a helical structure. M. A. Savchenko, V. G. Baryakhtar. Fiz. tver. tela 5 no. 10 2717-2725 O '63.

Theory of spin waves in antiferromagnetics. G. M. Genkin, IU. A. Otmakhov, E. A. Rozenblium. Fiz. tver. tela 5 no. 10 2968-2977 O '63.

Thermomagnetic treatment of ferromagnetic materials. E. N. Dmitriev. Fiz. met. i metalloved. 16 no. 3:481-486 S '63.

FERROMANGANESE

Making ferromanganese from a sinter of Nikopol' deposit manganese ores. A. M. Zhak. Met. i gornorud. prom. no. 5:9-10 S-O '63.

FERTILIZATION (BIOLOGY)

Blocking mechanism of polyspermy in echinoderms. A. S. Glukhov. Dokl. AN SSSR 152 no. 2:501-504 S '63

FERTILIZATION OF PLANTS

Effect of alkaloids on meiosis and fertilization of the ovule of sugar beets and the effectiveness of such actions in producing polyploids [with summary in English] N. F. Zaiko. skaia. Zhur. ob biol. 24 no. 1:71-79 Ja-F '63

FERTILIZER INDUSTRY

(See also subdivision under Chardzhou, Kirghizistan; Soviet Central Asia; White Russia)

Bread and salt. Sov. Soiuz no. 8:12-13 '63.

Chemistry in the service of agriculture. G. Lazurievskii, A. Shamshurin. Komm. Mold. 8 no. 10:12-48 O '63.

FERTILIZER SPREADERS

RPTU-2 places mineral fertilizers. M. Bykovskii, V. Levchenko, E. Malinovskii. Tekh. v sel'khoz. 23 no. 8:89-90 Ag '63.

FERTILIZERS AND MANURES

Crusher for mineral fertilizers. I. Pivovarov. Tekh. v sel'khoz. 23 no. 8:59-60 Ag '63.

Developing a well-founded and efficient method for placing mineral fertilizers in ponds. M. B. Fel'dman, V. S. Prosianyi, A. V. Sukhovii. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14:69-70 '62.

Effect of fertilizers on the effectiveness of gibberellin. G. B. Babalan, S. A. Karagulian. Trudy Inst. mikrobiol. no. 11:346-350 '61.

For the next year's crop. M. Kulik. Zemledelie 25 no. 10:68 O '63.

New compound fertilizers. A. V. Peterburgskii. Zemledelie 25 no. 10:34-38 O '63.

Prianishnikov, D. N. [Selected works in three volumes] Izbrannye sochineniia v trekh tomakh. Moskva, Sel'khozizdat.
Vol. 1. [Agricultural chemistry] Agrokhimiia. 1963. 735 p.
Vol. 2. [Specialized agriculture (field crops)] Chastnoe zemledelie (rastenila polevoi kul'tury). 1963. 712 p.
(DNAL)

Recent developments in the calculation of mineral fertilizers. K. Chernysh, G. Makhov. Zemledelie 25 no. 10:78-81 O '63.

Vlasiuk, P. A., and A. V. Manorik. [Enriched compost] Obogashchennye komposty. Kiev, Gos. izd-vo sel'khoz. lit-ry Ukrainskoi SSR, 1961. 294 p.
(WU)

What new achievements does science offer to agriculture? M. Butsenko, V. Lobov. Nauka i zhyttia 12 no. 3:10-41 Mr '63.

Winning peat for fertilizing and bedding. D. S. Ibragimov. Zemledelie 25 no. 10 61-66 O '63.

Zhurbitskii, Z. I. [Physiological and agrochemical principles underlying the use of fertilizers] Fiziologicheskie i agrokhimicheskie osnovy primeneniia udobrenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 292 p.
(DNAL)

FESENKO, ANDREI

A pleasant encounter. Andrei Ivanov. Sov. profsoiuzy 19 no. 20,42-43 O '63.

FETUS

Development of capillary blood vessels in the mammary gland of a cow embryo. V. P. Chumakov. Dokl. TSKHA no. 89:337-340 '61.

Reparative processes after X-ray irradiation in antenatal period of development. N. A. Kalinina. Radiobiologiia 2 no. 6 891-896 '62.

FEVER THERAPY

Effect of an inductotherm on the state of the cardiovascular system in hypertension. G. K. Mikitchan. Vop. kur. fizioter. i lech. fiz. kul't. 27 no. 4:320-325 Jl-Ag '62.

FIBERGLASS BOATS

Fiberglass boat of the type "Okun'." I. E. Gushchin, S. I. Kozhushniak. Sudostroenie 29 no. 9:36-38 S '63.

Manholes made of glass reinforced plastics for fiberglass boats. S. I. Kozhushniak, L. S. Rakhman, N. I. Rumiantsev. Sudostroenie 29 no. 9:55-57 S '63

FIBERS—DRYING

Optimum mode of drying tubular fiberboard. IU. G. Ershov. Izv. vys. ucheb. zav.; energ. 6 no. 6:78-84 Je '63.

FIBRINOLYSIS

Fibrinolytic effect of the enzyme ficin from the sap of the fig tree. K. D. Eristavi and others. Soob. AN Gruz. SSR 30 no. 3:667-670 My '63.

FICIN

Fibrinolytic effect of the enzyme ficin from the sap of the fig tree. K. D. Eristavi and others. Soob. AN Gruz. SSR 30 no. 3:667-670 My '63.

FIELD ARTILLERY see Artillery, Field and mountain

FIELD CROPS

(See also subdivision under Virgin Territory)

Prianishnikov, D. N. [Selected works in three volumes] Izbrannye sochineniia v trekh tomakh. Moskva, Sel'khozizdat.
Vol. 1. [Agricultural chemistry] Agrokhimiia. 1963. 735 p.
Vol. 2. [Specialized agriculture (field crops)] Chastnoe zemledelie (rastenila polevoi kul'tury). 1963. 712 p.
(DNAL)

Smirnov, T. E. [Where bogs used to be] Tam gde byli bolota. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1963. 102 p.
(DNAL)

FIELD CROPS—HARVESTING

Starting the harvesting. Tekh. v sel'khoz. 23 no. 6:1-3 Je '63.

FIELD CROPS—RESEARCH

Sverdlovsk. Ural'skii nauchno-issledovatel'skii institut sel'skogo khoziaistva. [Reports and communications of the Ural Scientific Research Institute of Agriculture; plant growing] Doklady i soobshcheniia. . . ; rastenievodstvo. Pod obshchei red. M. D. Vasil'eva. Sverdlovsk, 1959. 138 p.
(DNAL)

FIELD CROPS—STORAGE

Storage for field crops of collective farms and state farms. I. L. Volkind and others. Izv. ASIA no. 4 54-62 '61.

FIELD EMISSION

Surface diffusion of adsorbed atoms in an electric field. V. M. Gavriliuk, A. G. Naumovets. Fiz. tver. tela 5 no. 10:2792-2798 O '63.

FIELD MICE see subdivision under Ural Valley

FIELD THEORY

Interacting fields with spin 1 and symmetry properties (with summary in English). V. I. Ogievetskii, I. V. Polubarinov. Zhur. eksp. i teor. fiz. 45 no. 4:966-977 O '63.

Renormalization constants and bound states in a nonrelativistic model in field theory [with summary in English]. M. A. Brown. Zhur. eksp. i teor. fiz. 45 no. 4:936-947 O '63.

Space-time structure of the relativistic scattering matrix [with summary in English]. IU. A. Gol'fand. Zhur. eksp. i teor. fiz. 45 no. 4:1067-1080 O '63.

FILMS (CHEMISTRY)

Properties of films of low-substituted nitrates of wood cellulose. G. A. Petropavlovskii and others. Zhur. prikl. khim. 36 no. 8:1816-1821 Ag '63.

Sulfur-containing polymers and possibility of their utilization as film-forming agents, brief literary review. B. R. Livshits. Lakokras. mat. i ikh prim. no. 4:79-85 '62.

FILMSTRIPS

Filmstrips for foreign viewers. V. Arkhipov. Vnesh. torg. 43 no. 10 14 '63

The screen as a window to the world of beauty. I. Germash. Doshk. vosp. 36 no. 10:76 O '63.

FILTER PRESSES

Increasing the operative efficiency of filter presses in the manufacture of molasses. S. T. Bykova. Sakh. prom. 37 no. 11:51-53 N '63.

FILTERS AND FILTRATION

Effect of the time of mixing hydrophobic additives with iron concentrates on filtration. M. B. Barbin. Gor. zhur. no. 10:70 O '63.

Filtration of rock-fill dams on the Shamsi and Mamedin Rivers. L. S. Grebennikov, G. V. Kostiuchenko. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 3:103-114 '63

Influence of the rise of ground water on filtration through a rock-fill dam. L. S. Grebennikov. Izv. AN Kir. SSR Ser. est. i tekh. nauk 5 no. 3:115-118 '63.

Ovodov, V. S. [Automatic slow filter for rural water supply] Avtomaticheskii medlennyi fil'tr dlia sel'skokhoziaistvennogo vodosnabzhenila. Moskva, Sel'khozizdat, 1963. 94 p.

Powdered metal filters. E. I. Pavlovskaia, V. S. Rakovskii. Vest. mashinostr. 43 no. 10:37-38 O '63.

Slit distribution unit for ion-exchange filters. A. Kukin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10:57-58 '63.

FINANCE

Allakhverdian, D. A. [Finance during the period of the building of communism] Finansy v period stroitel'stva kommunizma. Moskva, Gosfinizdat, 1963. 111 p.

Brief news. Mir. ekon. i mezhdunar. otn. no. 10:127-129 '63.

[Finance of industry and construction] Finansy promyshlennosti i stroitel'stva. [By] I. D. Sher i dr. Moskva, Gosfinizdat, 1963. 288 p.

Kommunisticheskaia partiia Sovetskogo Soiuza. Vysshaia partiinaia shkola. [Finance and credit in the U. S. S. R.] Finansy i kredit SSSR; uchebnoe posobie. Moskva, Izd-vo VPSh i ION, 1962. 253 p.
(CaOTU)

Titov, B. A. [Analysis of the financial operation of an industrial enterprise] Analiz finansovoi deiatel'nosti promyshlennogo predpriiatiia. Moskva, Ekonomizdat, 1963. 82 p. (V pomoshch' propagandistam i slushateliam setl partiinogo prosveshchenila)

FINES (PENALTIES)

We should regularize the imposition of administrative fine for the violation of forestry laws. M. Kopylovskaia, R. Shabanov. Sov. iust. no. 19:19-21 O '63.

FINLAND—HISTORY

Role of the Finnish proletariat in the events of 1917 and 1918. L. V. Suni. Nov. i noveish. ist. no. 5 165-166 '63.

FINLAND—MOTORCYCLE RACING

First in Turku, second in Helsinki. I. Shestopalov. Za rul. 21 no. 8,25 Ag '63.

FIRE ENGINES—ELECTRIC EQUIPMENT

[illegible] V. I. Ivanov. Pozh. delo 8 no. 9 25 S '62.

FIRE EXTINCTION—CHEMICAL SYSTEMS
(see also subdivision under Czechoslovakia)

Pu[illegible] [illegible] system foam extinguisher. I. Rudin. Pozh. delo 7 no. 7 29 Jl '61.

FIRE PREVENTION

Closer ties with consumers of fire-fighting equipment. Pozh. delo 8 no. 2.

Closer ties with workers. Pozh. delo 7 no. 7 1-2 Jl '61.

Fire prevention propaganda. Pozh. delo 8 no. 1-2 S '62.

Fire prevention articles. Pozh. delo 7 no. 7 3 cover Jl '61.

Fire prevention [illegible]. Pozh. delo 7 no. 7 32 Jl '61.

Fire-control [illegible] instruments. A. Baranov. Pozh. delo 7 no. 7 30 Jl '61.

FIRE PREVENTION—INSPECTION

Inspection and assistance are inseparable. N. Afanas'ev. Pozh. delo 7 no. 7 9-10 Jl '61.

Inspection Duties. V. Semenov. Pozh. delo 8 no. 9 12 S '62.

FIRE PREVENTION—RESEARCH

The research college is right but stay closer to practical applications. S. Shumov, N. Obukhova. Pozh. delo 7 no. 7 1 Jl '61.

Material inventory. A. Sorokin. Pozh. delo 7 no. 7 27 Jl '61.

FIRE PREVENTION—SOCIETIES, ETC. see subdivision under Yaroslavl Province

FIRE PREVENTION—STUDY AND TEACHING

Discussing M. Shcherbakov's article "The training of firemen has to be on the level of present-day requirements." V. Gazetov. Pozh. delo 7 no. 7 32 Jl '61.

Correspondence education, Conference of the Faculty of Fire Prevention and Safety Engineering. M. Alekseev. Pozh. delo 7 no. 7 19 Jl '61.

Important field of activities of the Volunteer Firemen Societies. N. Musatov. Pozh. delo 7 no. 7 29-30 Jl '61.

"Training program for the personnel of fire departments," Reviewed by A. Prudnikov. Pozh. delo 7 no. 7 32 Jl '61.

FIRE THORN

Ursolic acid in Pyracantha coccinea Roem. A. V. Rabinin, V. N. Belous. Zhur. obshch. khim. 33 no. 10 3447 O '63.

FIREBRICK—TESTING

Testing of prestabilized dolomite firebrick in the lining of a steam cupola. G. Z. Dolgin. Ogneupory 28 no. 10 460-464 '63.

Testing spinel bricks in the lining of converters with an oxygen blow. A. I. Ludvinskii and others. Izv. vys. ucheb. zav., chern. met. 6 no. 8 161-163 '63.

FIREMEN
(see also subdivision under Leningrad)

From the history of fire departments, glorious page of the history of fraternal friendship. V. Semenov. Pozh. delo 7 no. 7 31 Jl '61.

Training plus techniques. A. Treshchev. Pozh. delo 7 no. 7 20-21 Jl '61.

FIRST AID IN ILLNESS AND INJURY

Automatic installation for the control of the dispatcher's work at a first aid station. L. A. Kolfman. Zdrav. Ros. Feder. 7 no. 10 22-23 O '63.

Method of evaluating diagnoses made by first aid physicians. A. I. Kossaia, T. V. Grabovskaia. Zdrav. Ros. Feder. 7 no. 10 23-26 O '63.

Problems of pediatric traumatism in first aid practice. M. A. Sarkisov. Zdrav. Ros. Feder. 7 no. 10 26-28 O '63.

FISH, CANNED
(see also subdivision under Caspian Sea region)

Method of working out formulas for the sterilization of canned fish. N. A. Voskresenskii, S. A. Artiukhova. Ryb. khoz. 38 no. 11 71-79 '62.

FISH, SALT
(see also subdivision under Sakhalin)

Movement of water in the system fish - salt - brine. I. P. Levanidov. Izv. TINRO 46:197-212 '60.

FISH CULTURE
(see also subdivision under Ukraine; Volochisk District)

Developing new methods for preparing feeds to increase the effectiveness of feeding carp. L. V. Erokhina. Dokl. TSKHA no. 69:197-202 '61.

Effect of the age of parent carp on the growth and development of their progeny. F. G. Martyshev. Dokl. TSKHA no. 69:159-165 '61.

Effect of the growing conditions of young-of-the year carp on their wintering. [U. V. Kudriashova.] Dokl. TSKHA no. 69:183-192 '61.

Effect of the stocking density on the growth and development of carp. V. I. Maslova. Dokl. TSKHA no. 69:203-209 '61.

Evaluation of breeder carp based on the quality of their offspring. O. I. Kuz'mina. Nauk. pratsi Ukr. nauk.-dosl. inst. rib. hosp. 14:71-84 '62.

Increasing fish productivity in rearing ponds by using fertilizers. L. I. Mamontova. Dokl. TSKHA no. 69: 171-174 '61.

Work practices on the "Krasnoe znamia" Collective Fish Farm in Serpukhov District, Moscow Province. M. L. Gorlachkin. Dokl. TSKHA no. 69:193-195 '61.

FISH INTRODUCTION
(see also subdivision under Azov, Sea of; Barents Sea; Blanda-Kol', Lake; Altai Mountains; Kharkov Province; Polesye)

Burmakin, E. V. [Acclimatization of freshwater fishes in the U.S.S.R.] Akklimatizatsiia presnovodnykh ryb v SSSR. Leningrad, 1963. 316 p. (Leningrad. Gosudarstvennyi nauchno-issledovatel'skii institut ozernogo i rechnogo rybnogo khoziaistva. Izvestiia, vol. 53) [With summaries in English]

FISH MEAL see subdivision under Soviet Far East

FISH PROCESSING PLANTS

Improve the technology of fishery products. Ryb. khoz. 38 no. 11 3-8 '62.

FISH PROCESSING PLANTS—EQUIPMENT AND SUPPLIES

Automatic smoke producer for smoking fish. I. M. Marshak, M. V. Popov, S. N. Suzanin. Ryb. khoz. 38 no. 11 65-69 '62.

FISHERIES
(see also subdivision under: Baltic Sea; Baikal; Belozerskiy Lima, Indian Ocean, Krasnodar Territory, Muynak, Southern Bug River)

Efficient fishery management. F. I. Baranov. Ryb. khoz. 38 no. 11 9-12 '62.

FISHERIES—BIBLIOGRAPHY see Bibliography—Fisheries

FISHERIES—RESEARCH
(see also subdivision under: Rumania)

Maritime fishery research from the "Persei" to the "Severianka." V. F. Zaitsev. Okeanologiia 1 no. 3 369-374 '61.

FISHERY LAW AND LEGISLATION

New agreement among the governments of the U.S.S.R., the German Democratic Republic, and the Polish People's Republic on cooperation in the field of sea fisheries. Ryb. khoz. 38 no. 11 92 '62.

FISHERY PRODUCTS

Miller, E. E. [The setting of technical standards in the fishing industry.] Tekhnicheskoe normirovanie v rybnoi promyshlennosti. Moskva, Pishchepromizdat, 1961. 256 p. illus
(WaU)

Nutritional value and use of some invertebrates. L. L. Lagunov, N. I. Rekhina. Ryb. khoz. 38 no. 11 82-85 '62.

FISHERY PRODUCTS—PRESERVATION see subdivision under Balkhash

FISHES
(see also subdivision under Baltic Sea; Kakhovka Reservoir, Sakhalin)

Characteristics of fish behavior. K. N. Nesis, IA. I. Starobogatov. Priroda 52 no. 9:114-115 '63.

Muscle maltase in fishes. A. K. Andreev. Dokl. AN SSSR 152 no. 2:464-466 S '63.

Nikol'skii, G. V. [Ecology of fishes] Ekologiia ryb. Moskva, Vysshaia shkola, 1963. 367 p.

FISHES—BEHAVIOR

Statistical regularities in the behavior of fishes. A. I. Zonov, V. V. Gulin. Prim. mat. metod. v biol. no. 2: 140-145 '63.

FISHES—CLASSIFICATION

Significance of otoliths in the taxonomic analysis of fishes. D. K. Khalturin. Dokl. AN SSSR 152 no. 2:492-493 S '63.

FISHES—DISEASES AND PESTS see subdivision under Ukraine

FISHES—EGGS
(see also subdivision under Japan, Sea of)

Development of salmon eggs (sixth phase) in water polluted with radioactive substances. A. F. Fedorov and others. Ryb. khoz. 38 no. 11:18-22 '62.

Morphological and cytochemical changes in the oocytes of sterlet and sturgeon under the influence of the parasitism of Polypodium hydriforme Ussov (Coelenterata). E. V. Raikova. Dokl. AN SSSR 152 no. 4:985-988 O '63.

FISHES—EMBRYOLOGY see Embryology—Fishes

FISHES—FOOD
(see also subdivision under: Azov, Sea of; Baikal, Lake; Pacific Ocean, Vilyuy Valley; Volga River)

Benthos of the Terpeniye Gulf, its role in the feeding and distribution of the dab Limanda aspera (Pall.). V. V. Skalkin. Izv. TINRO 46:155-187 '60.

Food for sturgeon fry. V. V. Bal'. Izv. Kaliningr. otd. vys. ucheb. zav.; pishch. tekh. no. 1:[illegible] '63.

Study of the nutritive value of cultured mineral soils and their effect on the physiological condition of fish and the productivity of fishponds. V. S. Prostakov, A. V. Sychov, M. M. Syrova. Nauk. pratsi Ukr. nauk.-dosl. inst. rib. hosp. 14:3-11 '62.

FISHES—MIGRATION

Clupeonella made its way to the Baltic Sea. P. V. [illegible]. Priroda 52 no. 9:116-117 '63.

Effect of internal tidal waves on daily vertical migrations of commercial sea fishes. V. R. Lidin. Izv. TINRO 46:189-196 '60.

FISHES—PARASITES see Parasites—Fishes

FISHES—PHYSIOLOGY

Absorption and liberation of radiocalcium (Ca^{45}) by fish. G. V. Fedorova. Nauch. dokl. vys. shkoly, biol. nauki no. 1:83-89 '63.

Effect of levomycetin on the phagocytic reaction. I. D. Nechyporenko, V. A. Kuznezhko. Nauk. pratsi Ukr. nauk.-dosl. inst. rib. hosp. 14:173-175 '62.

FISHES, FOSSIL
(see also subdivision under Sheinakha District)

Find of acanthus in the remains of Tertiary fish. L. P. Horlacenko. Trudy IMGRE no. 7:61-70 '61.

X-ray studying of the bone phosphate of fossil fishes of the Soviet Union. G. A. Sidorenko, N. I. Cherkinskii. Bent. min. syr. no. 7:81-87 '62.

FISHING—EQUIPMENT AND SUPPLIES

Work of net hauling equipment of various types. N. A. Mikhailov. Ryb. khoz. 38 no. 11 50-61 '62.

FISHING BOATS

Effect of the operation of activated flow on the maneuverability of the ship. B. D. Shamilo. Ryb. khoz. 38 no. 11 42-50 '62.

Unloading ships in the open sea without mooring. F. F. Smirnov. Ryb. khoz. 38 no. 11:51-55 '62.

FISHPONDS
(see also subdivision under Kalinka Valley, Western Moscow Province)

Developing a well-founded and efficient method for placing mineral fertilizers in ponds. M. B. Lepskaia, V. S. Prostakov, A. V. Sukhovii. Nauk. pratsi Ukr. nauk.-dosl. inst. rib. hosp. 11:59-70 '62.

Effect of the drying out and cultivation of fishponds on development of plankton in them. O. S. Shcherbina. Nauk. pratsi Ukr. nauk.-dosl. inst. rib. hosp. 11:[illegible] '62.

Use of copper sulfate for controlling filamentous algae and water bloom in fishponds. B. I. Shpet, Z. D. Shcherbina, N. M. Kharytonova. Nauk. pratsi Ukr. nauk.-dosl. inst. rib. hosp. 11:12-17 '62.

FISHWAYS

Fishway sluice, a new type of fishway structure. Z. M. Kipper. Ryb. khoz. 38 no. 11:24-31 '62.

FISTULA, BILIARY

Methods for applying chronic fistulae to the gall bladder in young cattle. V. A. Mikhailina. Dokl. TSKHA no. 91: 265-270 '61.

FLAMMABILITY see Inflammability

FLANGES

Calculation of flat flanges which are rigidly connected with cylindrical shells. V. K. Sisiuckov. Trudy Ural. politekh. inst. no. 107:121-131 '61.

Experimental study of cast iron flange connections of hydraulic turbine joints. L. A. Kogan, V. I. [illegible], M. K. Nemtsova. Trudy Ural. politekh. inst. no. 91: 132-145 '61.

FLAX

Interaction of gibberellic acid and the derivatives of phenoxyacetic acid in flax plants. S. M. Manukovskii, A. P. Volynets. Dokl. AN BSSR 7 no. 1:266-269 Ja '63.

FLAX—DRYING

The SSL-A universal stationary flax dryer. M. Shreider, L. Bosia. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10:77-79 '63.

FLAX PROCESSING MACHINERY

The ML-2, OP flax thresher. V. Loginov, M. Shreider. Tekh. v sel'khoz. 23 no. 8:53-55 Ag '63.

FLEA BEETLES see subdivision under Tselinograd District

FLEISHITS, EKATERINA ABRAMOVNA, 1868-

Decree of the Presidium of the Supreme Soviet of the R.S.F.S.R. Sov. iust. no. 13:28 Jl '63.

FLIES

Ascorbic acid and glutathione content in the organism of Musca domestica L. in different stages of oogenesis. V. P. Drotuzina. Nauch. dokl. vys. shkoly, biol. nauki no. 4 39-42 '63

FLIGHT

To fly like a bird. V. IAkobi. IUn. nat. no. 2:20-21 F '63.

Variational problem on the dynamics of flight. IU. N. Moiseev. Izv. AN SSSR. Tekh. kib. no. 4 196-201 Jl-Ag '63.

FLOATING CRANES

Pneumatic floating loader and unloader. N. I. Korotenko. Bul. tekh.-ekon. inform. Tekh. upr. Min. morflota 7 no. 12 46-51 '62.

FLOODS see subdivision under Belluno, Italy

FLOORS

Present state and perspectives of the growth of the production of polymer floor materials. S. V. Papaligopulo, M. F. Strizhevskii. Stroi. mat. 9 no. 10 17-19 O '63.

FLOTATION

(see also subdivision under Aktyuz region, United States)

Action of sodium sulfate in the process of selective flotation of sulfides. L. A. Glazunov. Izv. AN Uz. SSR. Ser. tekh. nauk 7 no. 4:65-70 '63.

Automation of the process of coal slurry flotation. I. A. Semenov, A. V. Medvedev, A. V. Sol'var. Koks i khim. no. 10 6-13 '63.

Comparing the floatability of chalcocite, digenite, betekhtinite, bornite and galenite. S. I. Mitrofanov, A. V. Kurochkina. Izv. AN SSSR. Met. i gor. delo no. 5:152-153 S-O '63.

Complete treatment by flotation of 2d- and 3d-class manganese concentrates. V. M. Semioshko, IU. S. Gol'dberg. Gor. zhur. no. 10:58-61 O '63.

Electrochemical surface properties of ilmenite, rutile, and ilmenorutile as interrelated with their flotation characteristics. I. N. Plaksin, R. Sh. Shafeev, V. A. Chanturiia. Dokl. AN SSSR 152 no. 6:1405-1407 O '63.

Using chlorine lignin for the flotation of iron ores. IA. M. Turetskii and others. Gidroliz. i lesokhim. prom. 14 no. 8:10 '61.

FLOTATION—EQUIPMENT AND SUPPLIES

Effect of emulsifying and of oxygen on the properties of oleic acid as collector in the selective flotation of pyrochlore-zircon concentrates. S. I. Pol'kin, L. D. Plaksina, V. A. Chanturiia. Izv. AN SSSR. Met. i gor. delo no. 5:154-158 S-O '63.

FLOUNDERS see subdivision under Terpeniye Gulf

FLOUR

Efficiency of the heating of various strength wheat flours in pneumatic troughs. I. A. Sysoev, L. IA. Auerman. Khleb. i kond. prom. 7 no. 10:16-18 O '63.

Investigating the fractional composition of the proteins of the intermediate products of wheat milling. I. F. Kriuk. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:40-41 '63.

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zerna i produktov ego pereabotki. [Methodological instructions on determining the technological characteristics of wheat] Metodicheskie ukazaniia po opredeleniiu tekhnologicheskikh svoistv zerna pshenitsy. Moskva, 1963. 60 p. [MICROFILM]

FLOUR MILLS—EQUIPMENT AND SUPPLIES

Standardization of machines and equipment for mills and grain elevators. M. E. Grach. Standartizatsiia 27 no. 10:8-10 O '63.

FLOWER SHOWS see subdivision under Moscow

FLOWMETERS

Improving the calculating method of deep flows measured by double floats. K. K. Edel'shtein. Meteor. i gidrol. no. 10:43-46 O '63.

Kremlevskii, P. P. [Flowmeters] Raskhodomery. Izd. 2., perer. i dop. Moskva, Mashgiz, 1963. 656 p.

New design of the float flowmeter. R. B. Krol. Sakh. prom. 36 no. 9:39-40 S '62.

FLUES

Method of restoring flues. E. IA. Sas. Stroi. mat. 9 no. 7:25 Jl '63.

FLUID DYNAMICS

A complete system of solutions to linearized Navier-Stokes equations and its application to boundary value problems involving flow past spheres. R. N. Kaufman. Prikl. mat. i mekh. 27 no. 1:179-182 Ja-F '63.

Distribution of velocities in the turbulent flow of a liquid. B. V. Pustovoit. Izv. vys. ucheb. zav.; energ. 6 no. 6:106-111 Je '63.

Flow effect; concerning the hypothesis of Academician D. S. Korzhinskii and the results of his experiments. S. I. Smirnov. Izv. AN SSSR. Ser. geol. 28 no. 10:91-98 O '63.

Flow effect in electrolytic solutions. V. V. Zharikov, T. N. Diuzhikova, F. M. Maksakova. Izv. AN SSSR. Ser. geol. 28 no. 10:81-91 O '63.

Some problems in unsteady flows of two-component media. K. Sh. Latypov. Izv. AN Uz. SSR. Ser. tekh. nauk 7 no. 1 45-52 '63.

Some remarks on V. A. Zharikov, T. N. Diuzhikova, F. M. Maksakova's article "Experimental and theoretical studies of the flow effect. Report No. 1. Different flow rates of cations and anions." IU. M. Chernobrezhskii. Izv. AN SSSR. Ser. geol. 28 no. 10:99-102 O '63.

Structure of turbulent flow in an annular channel with rotating internal cylinder [with summary in English] S. I. Kosterin, IU. P. Finat'ev. Inzh.-fiz. zhur. 6 no. 10 96-100 O '63.

FLUID MECHANICS

Determining the distribution of pressure on the profile during the flow of an incompressible fluid around it. P. D. Karpenko. Dop. AN URSR no. 12 1560-1566 '61

Hydromechanical characteristics of the wing near a solid boundary. A. M. Panchenkov. Dop. AN URSR no. 12 1566-1570 '61

FLUIDIZATION

Calculation of multiregion packed heat exchangers with a moving bed [with summary in English]. A. I. Liuboshits. Inzh.-fiz. zhur. 6 no. 11 12-19 N '63.

Effect of pressure on the operating efficiency and entrainment of particles in fluid-bed reactors. M. I. Fridland. Khim. mashinostr. no. 3 22-25 My-Je '63.

Heat transfer of a surface immersed into a developed nonuniform fluidized bed [with summary in English]. N. V. Antonishin, S. S. Zabrodskii. Inzh.-fiz. zhur. 6 no. 11:97-101 N '63.

Mechanism of heat transfer between a fluidized bed and a surface [with summary in English] A. P. Baskakov. Inzh.-fiz. zhur. 6 no. 11 20-25 N '63.

Method of determining the hydraulic resistance of a fluidized bed. N. I. Gel'perin, V. G. Ainshtein, N. A. Romanova. Khim. i tekh. topl. i masel 8 no. 9 16-20 S '63.

Motion and mixing of solid particles in a fluidized bed. A. K. Bondareva, V. I. Grigor'eva, O. M. Todes. Dokl. AN SSSR 152 no. 2:386-388 S '63.

Properties of a fluidized bed of coke in combustion. V. F. Gorlov, A. I. Skoblo. Khim. i tekh. topl. i masel 8 no. 9 11-16 S '63.

Study of a cold model of a double-chamber reactor for roasting in a fluidized bed. M. S. Zak, G. IA. Leizerovich, N. I. Gel'perin. Khim. mashinostr. no. 3:8-12 My-Je '63.

Sulfation of titanium materials in a fluidized bed. A. G. Pas'ko, V. D. Ponomarev, G. I. Titova. Zhur. prikl. khim. 36 no. 8 1665-1669 Ag '63.

Thermal diffusivity (mixing of particles) of a fluidized bed baffled by screens [with summary in English]. A. I. Tamarin, V. A. Borodulia. Inzh.-fiz. zhur. 6 no. 11 26-31 N '63.

Thermodynamic optimization of technological heat exchange systems with cascade fluidized beds [with summary in English]. I. T. El'perin, V. A. Minkov. Inzh.-fiz. zhur. 6 no. 11:32-41 N '63.

FLUOBORIC ACID

X-ray study of aqueous solutions of tetrafluoboric acid. A. I. Ryss, I. V. Radchenko. Zhur. struk. khim. 4 no. 5:659-663 S-O '63.

FLUORESCEIN

Some luminescent properties of organic dyes [with summary in English]. H. M. Kyalink, II. M. Lysenko. Ukr. fiz. zhur. 8 no. 8:900-906 Ag '63

FLUORESCENCE

Experience in the use of the fluorescent antibody method in the diagnosis of colienteritis. E. V. Belogorskaia. Kaz. med. zhur. no. 2:66-69 Mr-Ap '63.

Fluorescence chromatographic analysis of some homeopathic remedies of plant origin [with summary in English]. G. A. Vnisman, E. G. Sadc. Apt. delo 12 no. 5: 36-39 S-O '63.

Fluorescence diagnosis of some skin diseases [with summary in English]. M. A. Shteinberg. Vest. derm. i ven. 36 no. 10:17-22 O '62.

FLUORESCENCE MICROSCOPY

Fluorescence method of rhinocytoscopic diagnosis of influenza in children [with summary in English]. Sun Jin'-Lin' [Sung Lin-Lin]. Pediatriia 42 no. 5:15-20 My '63.

FLUORINE—ANALYSIS

Microchemical analysis of organofluorine compounds. Simultaneous microdetermination of fluorine and nitrogen [with summary in English]. N. E. Gel'man, N. I. Larina. Zhur. anal. khim. 18 no. 9:1100-1104 S '63

FLUORINE—TOXICOLOGY

Therapeutic and prophylactic nutrition at fluorine production plants [with summary in English]. R. D. Gabovich, P. N. Maistruk. Vop. pit. 22 no. 1:32-38 Ja-F '63.

FLUORINE COMPOUNDS

Acylating action of mixed anhydrides of fluorine-containing carboxylic acids. A. V. Fokin, A. A. Skladnev, V. V. Komarov. Zhur. ob. khim. 33 no. 10 3271-3274 O '63.

Experimental evidence for branching in chain reactions involving molecular fluorine. G. A. Kapralova and others. Kin. i kat. 4 no. 4 653-654 Jl-Ag '63.

FLUORINE IN THE BODY

Fluorine metabolism in breeding heifers. A. M. Venediktov. Trudy VIZH 21,239-246 '62.

FLUORINE ORGANIC COMPOUNDS

Microchemical analysis of organofluorine compounds. Simultaneous microdetermination of fluorine and nitrogen. [with summary in English]. N. I. Gel'man, N. I. Larina. Zhur. anal. khim. 18 no. 9:1100-1104 S '63

Reactions of 1, 1-difluoropolyfluoralkylmercaptans with phosphorus acid derivatives. A. V. Fokin, IU. N. Studnev, A. A. Skladnev. Zhur. ob. khim. 33 no. 10 3366-3369 O '63.

FLUORITE

Quantitative relations in structures deriving from the fluorite type. IU. A. Platenko. Zhur. strukt. khim. 4 no. 5:708-713 S-O '63.

FLUX (METALLURGY)

Mechanism of alloying metal drops in welding under a ceramic flux. K. V. Bagrianskii, P. F. Lavrik. Svar. proizv. no. 10:13-15 O '63.

Viscosity of fluxes for electric slag welding and remelting. L. A. Germasimenko. Avtom. svar. 16 no. 5:94 My '63.

FLYSCH see subdivision under Altai Mountains

FOAM

Foam can be hard. IU. Moralevych. Nauka i zhyttia 12 no. 3:14-15 Mr '63.

FOAMED MATERIALS

Foamed aluminum castings. M. B. Al'tman and others. Alium. splavy no. 1 41-49 '63.

FOG

(see also subdivision under Maritime Territory; Nilolayev region)

Conditions governing the appearance of sea fog on the coast, reply to O. K. Il'inskii. I. V. Koshelenko. Trudy UkrNIGMI no. 32:29-35 '62.

Measurement methods of the temperature and air moisture of fog. L. Z. Prokh. Trudy UkrNIGMI no. 31 165-172 '62.

FOLK LITERATURE

Pomerantseva, E. V., and S. I. Minis, comps. [Russian folk poetry, an anthology] Russkoe narodnoe poeticheskoe tvorchestvo, khrestomatiia. Ucheb. posobie dlia vuzov. Izd. 2., ispr. i dop. Moskva, Gos. uchebno-pedagog. izd-vo, 1963. 576 p. (NIC)

FOLK LITERATURE, UKRAINIAN

[Ukrainian folktales and fables] Ukrainskie narodnye skazki i basni. [L'vov] L'vovskoe knizhno-zhurnal'noe izd-vo, 1963. 231 p

FOLK MUSIC, AZERBAIJANI

Mnatsakanova, E. A. [Azerbaijani folk music] Azerbaidzhanskaia narodnaia muzyka. Moskva, Sovetskii kompozitor, 1963. 28 p. (Massovaia fol'klornaia biblioteka liubitelei muzyki, no. 4)

FOLK SONGS, UKRAINIAN—STUDY AND TEACHING

Studying folk songs in the 6th grade. M. I. Matrokhin. Ukr. mova i lit. v shkoli 13 no. 7 33-36 S '63.

FOLK SONGS, WHITE RUSSIAN

Churkin, M. ed. [White Russian folk songs] Belaruskia narodnyia pesni. Minsk, Dziarzhaunae vydavetstva BSSR, 1959. 135 p. (OCI)

FOLKLORE see subdivision under Latin America

FOLKLORE, BULGARIAN

New recordings of Bulgarian folklore made in the Soviet Union. IU. I. Smirnov. Lit. slav. nar. 8:215-219 '63.

FOLKLORE, ESTONIAN

[In whom do you trust? A selection of antireligious folklore texts] Kelle peale na loodad? Valimik usu ja kiriku vastaseid rahvaluuletekste. Tallinn, Eesti Riiklik Kirjastus, 1963. 196 p. [In Estonian]

FOLKLORE, LATVIAN

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Valodas un literaturas instituts. [History of Latvian literature in six volumes] Latviesu literaturas vesture sesos sejumos. Riga, Latvijas PSR Zinatnu akad. Izdevnieciba. [In Latvian]

Vol. 1. [Latvian folklore. Literature up to the middle of the 19th century] Latviesu folklora. Literatura lidz 19. gs. vidum. 1959. 642 p.

FOLKLORE STUDIES see subdivision under Siberia

[illegible] in food products by the use of the L. M. Kulberg and I. I. Shtrum method [with summary in English]. G. I. Vylegzhanina. Vop. pit. 22 no. 1:69-71 Ja-F '63.

Indicators of the freshness of milk mixtures for children (Chernov's mixture) (with summary in English). A. V. Bogolubova. Vop. pit. 22 no. 1:59-62 Ja-F '63.

FOOD, CANNED

Canned food for children over 1.5 years old. F. V. Gol'tsman, V. S. Shevchuk. Kons. i ov.-prom. 18 no. 10:7-10 O '63.

FOOD, DRIED

Quality of dehydrated milk mixes obtained by various technological methods. A. M. Prokof'eva, E. I. Mikhailovskaia. Kons. i ov.-prom. 18 no. 10:12-14 O '63.

FOOD INDUSTRY

(see also subdivision under Lvov Province)

Library of the Food Industry. Z. G. Margolina. Khleb. i kond. prom. 6 no. 1:46 Ja '62.

Put the new program of the party into practice. Khleb. i kond. prom. 6 no. 1:1-4 Ja '62.

FOOD INDUSTRY—SAFETY MEASURES

[Manual on labor protection, safety engineering and industrial hygiene in the food industry, collection of decrees, regulations and norms in three volumes] Spravochnik po okhrane truda, tekhnike bezopasnosti i proizvodstvennoi sanitarii v pishchevoi promyshlennosti; sbornik postanovlenii, pravil i norm v trekh tomakh. Moskva, Pishchepromizdat.
Vols. 2-3. 1963

FOOD INDUSTRY—SANITATION

[Manual on labor protection, safety engineering and industrial hygiene in the food industry, collection of decrees, regulations and norms in three volumes] Spravochnik po okhrane truda, tekhnike bezopasnosti i proizvodstvennoi sanitarii v pishchevoi promyshlennosti, sbornik postanovlenii, pravil i norm v trekh tomakh. Moskva, Pishchepromizdat.
Vols. 2-3. 1963.

FOOD INDUSTRY—STANDARDS

Corrections dictated by life. A. Kulagankhodzhaev, G. Fuks. Sov. torg. 36 no. 8:11-12 Ag '63.

FOOD INDUSTRY—STUDY AND TEACHING

(see also subdivision under France)

New class of graduates from evening and correspondence schools. D. Pavlov. Mias. ind. SSSR 34 no. 5:54 '63.

FOOD MACHINERY

Economic efficiency of the modernization of equipment. IA. V. Golovko. Khleb. i kond. prom. 7 no. 10:11-14 O '63.

Effect of the material of macaroni dies on the pressure in pressing. K. P. Gus'kov, IU. A. Machikhin, IU. V. Kalinin. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:95-97 '63.

Machine for egg washing and hygienic processing. V. G. Luchko. Khleb. i kond. prom. 7 no. 10:21-22 O '63.

New machines. Mias. ind. SSSR 34 no. 5:52 '63.

FOOD MACHINERY—ABSTRACTS

[Food machinery manufacture] Ref. zhur.: Pishch. mashinostr. no. 12 D '63.

FOOD POISONING

Dutch cheese as a possible source of food poisoning of a staphylococcal nature. V. A. Zvereva, T. N. Belianeva. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4:53-56 '60.

FOOD RESEARCH

Dissertations on the study of commodities. Sov. torg. 36 no. 8:57-58 Ag '63.

FOOT

Effect of crossbar exercises on the development of the foot in young people. B. E. Podskotskii. Teor. i prak. fiz. kul't. 26 no. 1:73-74 Ja '63.

FOOT-AND-MOUTH DISEASE

Electrocardiographic and rumenographic studies of cattle with a malignant form of foot-and-mouth disease. A. K. Liapustin, N. M. Preobrazhenskii. Trudy Mosk. vet. akad. 12:73-81 '56.

Foot-and-mouth disease as a zoonotic infection. S. R. Didovets. Veterinariia 37 no. 2:16-19 F '60.

FOOTPRINTS

Lesniak, A. [Stories of footprints] Sledy rasskazyvaiut. Alma-Ata, Kazakhskoe gos. izd-vo, 1963. 132 p.

FORAGE PLANTS

Method for calculating the efficient structure of planting forage crops. A. S. Ivanov, V. A. Svobodin. Dokl. i soob. VNIESKH no. 5:80-90 '63.

Seminar on new silage forage plants. V. S. Sokolov, P. F. Medvedev. Bot. zhur. 48 no. 9:1404-1406 S '63.

(see also subdivision under Taymyr Peninsula)

Use of biometry in paleontology (study of fossil foraminifera). K. V. Mikhno-Maklai. Prim. mat. metod v biol. no. 2:118-123 '63.

FORCE AND ENERGY

From the history of the theory of the motion of energy. D. D. Gulo. Ist. i metod. est. nauk no. 2:135-162 '63.

FOREIGN ECONOMIC RELATIONS

Imperialism of the 1960's. V. Cheprakov. Kommunist 40 no. 17:34-48 N '63.

Problems of the economic effectiveness of foreign trade. G. L. Shaglov. Vest. Mosk. un. Ser. 6, Ekon., filos. 18 no. 5:3-17 S-O '63.

FOREIGN EXCHANGE

Foreign exchange and financial problems of modern capitalism. V. Drozdov. Vnesh. torg. 13 no. 10:50-52 '63.

FOREIGN STUDENTS see Students, Foreign

FOREMEN

Foremen are the organizers of industrial operations and the educators of workers. V. Kokushkin. Kommunist 40 no. 17:97-105 N '63.

FORENSIC PSYCHIATRY

Forms and variations of acute alcoholic intoxication (with summary in English). E. S. Fel'dman. Trudy Gos. nauch.-issl. inst. psikh. 38:38-48 '63.

FOREST ECOLOGY

(see also subdivision under Amur Valley; Azerbaijan, Rybinsk region)

Ecological differentiation of oak in dense plantations. S. N. Karandina. Soob. Lab. lesoved. AN SSSR no. 6:28-34 '62.

Plant ecology in pine strip forests of the Irtysh Valley. I. N. Oleviannikova. Soob. Lab. lesoved. AN SSSR no. 6:112-131 '62.

Rhizosphere microflora of woody plants growing in Chernozem soils of the dry steppe. E. V. Runov, M. G. Enikeeva. Trudy Inst. mikrobiol. no. 11:150-161 '61.

Some problems of the phytocoenosis of spruce forests in the light of experimental data. V. G. Karpov. Soob. Lab. lesoved. AN SSSR no. 6:35-61 '62.

V. N. Sukachev's theories of biogeocoenosis. E. M. Lavrenko. Soob. Lab. lesoved. AN SSSR no. 6:13-18 '62.

FOREST FAUNA see subdivision under Latvia

FOREST FIRES see subdivision under Korf Bay region

FOREST FIRES—PREVENTION AND CONTROL

Helicopters in fire extinction. V. Molchanov. Pozh. delo 8 no. 9:22 S '62.

FOREST INSECTS see subdivision under Black Sea Preserve

FOREST INSECTS—EXTERMINATION see subdivision under Virgin Territory

FOREST LITTER see subdivision under Yunnan Province

FOREST MACHINERY

A convertible seeder. Priroda 52 no. 9:114-115 '63.

FOREST MANAGEMENT

(see also subdivision under Altai Mountains)

A complex enterprise should work out a comprehensive plan. A. A. Rodigin. Les. prom. 40 no. 5:24-25 My '62.

FOREST NURSERIES

Ogievskii, V. V., and N. S. Popova. [Forest nurseries and plantations] Lesnye pitomniki i kul'tury. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1954. 331 p. (Uchebniki i uchebnye posobiia dlia sel'skokhoziaistvennykh tekhnikumov)
(WU)

FOREST REPRODUCTION see subdivision under Korf Bay region

FOREST SOILS see subdivision under Kaluga Province; Mokhovoye District

FOREST WORKERS

Oak leaves on the cockade,... I. Krasutskii. Smena 40 no. 19:14-15 O '63.

FORESTRY LAW AND LEGISLATION

We should regularize the imposition of administrative fines for the violation of forestry laws. M. Kopylovskaia, R. Shabanov. Sov. iust. no. 19:19-21 O '63.

FORESTRY RESEARCH

Common base of research and industrial practice. A. L. Bel'gard. Vest. vys. shkoly 21 no. 10:38-40 O '63.

Role of Academician V. N. Sukachev in the development of the study of forests. N. V. Dylis. Soob. Lab. lesoved. AN SSSR no. 6:5-12 '62.

FORESTRY SCHOOLS AND EDUCATION

Higher school of forestry. E. I. Lapukhov. Les. prom. 40 no. 6:1-2 Je '62.

Wide scientific basis for technological progress. V. I. Garnzov. Les. prom. 10 no. 6:30-31 Je '62.

FORESTS AND FORESTRY

(see also subdivision under Karelia)

[Forestry and forest management] Ref. zhur.: Les. i lesovod. no. 11 N '63.

Forestry as a branch of material production. K. [illegible]movich. Vest. stat. no. 9:58-59 '63.

A new special scientific council. Gidroliz i lesokhim. prom. 14 no. 8:30 '61.

FORESTS AND FORESTRY—EQUIPMENT AND SUPPLIES

Production innovators in the campaign for advanced technology. Les. prom. 40 no. 5:2 of cover. My '62.

FORESTS AND FORESTRY—VALUATION

Some problems of seasonal growth of the aspen. V. V. Smirnov. Soob. Lab. lesoved. AN SSSR no. 6:94-111 '62.

FORGE SHOPS see subdivision under Dnieper Economic region, Donets Economic region

FORGE SHOPS—EQUIPMENT AND SUPPLIES

Heating metal for forging in a nonoxidizing, continuous pusher-type furnace. V. N. Kostiakov, S. F. Eyinov. Kuz.-shtam. proizv. 5 no. 10:32-36 O '63.

FORGING

Determining the temperature range for the forging of high-alloy steel and alloy ingots. B. F. Vakhtanov. Kuz.-shtam. proizv. 5 no. 9:9-11 S '63.

Ganago, O. A., V. A. Shelekhov, and I. M. Beliaevskii. [Improvement of forging and die-stamping operations] Sovershenstvovanie kuznechno-shtampovochnogo proizvodstva, obobshchenie opyta Ural'skikh zavodov. Mashgiz, 1963. 215 p.

Making sprocket teeth for chain gear by hot knurling. M. V. Barbarich, L. P. Rychkov. Kuz.-shtam. proizv. 5 no. 9:5-9 S '63.

Manufacture of flanged bushing type parts by closed-die forging. I. A. Noritsyn, V. IA. Shekhter, A. S. Harpik. Kuz.-shtam. proizv. 5 no. 10:1-6 O '63.

Mechanized furnace for the heating of a steel strip for forging. F. I. Kaleev, G. A. Kats. Kuz.-shtam. proizv. 5 no. 9:25-27 S '63.

Phosphate coating of metal for cold upsetting. B. S. Kartak. Kuz.-shtam. proizv. 5 no. 10:40-42 O '63.

Review of V. G. Shal'nev's book "Expanding methods of metalworking by pressure. I. IA. Tarnovskii, V. N. Liashkov, A. A. Ganago. Kuz.-shtam. proizv. 5 no. 4:47-48 3 of cover S '63.

Smirnov-Alinev, G. A., and D. A. Vainraub. [Cold stamping in the manufacture of instruments] Kholodnaia shtampovka v priborostroenii. Izd. 2., perer. i dop. Moskva, Mashgiz, 1963. 434 p.

Utilizing energy conditions of plasticity in the theory of metalworking by pressure. IU. I. Shnel'nikov. Izv. vys. ucheb. zav., mashinostr. no. 8:226-235 '63.

FORGING MACHINERY

Multiple-position automatic cold-header. V. V. Lebedev. Kuz.-shtam. proizv. 5 no. 10:24-28 O '63.

FORGING MACHINERY—DESIGN AND CONSTRUCTION

Ignatov, A. A., and V. I. Vlasov. [Clutches, brakes, and control mechanisms for crank press forging machines] Mufty, tormoza i mekhanizmy upravleniia krivoshipnykh kuznechno-pressovykh mashin. Moskva, Mashgiz, 1963. 446 p.

FORGING MACHINERY—ELECTRIC DRIVING

Analysis and synthesis of transmissions for automatic lines of rotary forging machines. L. A. Klusov. Kuz.-shtam. proizv. 5 no. 10:18-24 O '63.

FORGING MACHINERY—VIBRATIONS

Methods of vibration proofing of heavy forging-hammer foundations. V. F. Shcheglov, V. V. Kurla. Kuz.-shtam. proizv. 5 no. 9:20-26 S '63.

Vibration proofing of forging-hammer foundations. K. A. Kazanskii. Kuz.-shtam. proizv. 5 no. 9:26-30 S '63.

FORMALDEHYDE

Radiation-chemical synthesis of ethylene glycol and formaldehyde from methanol. Kim. Khon. Sil. A. V. Zimin, V. A. Sharpatyi. Khim. prom. no. 7:492-495 Jl '63.

Urea-formaldehyde resins with a minimal content of free formaldehyde. R. Z. Temkina. Der. prom. 12 no. 8:10-12 Ag '63.

FORMAZANS

New D-galactose formazans. M. N. Malev. Zhur. ob. khim. 33 no. 8:2775-2777 Ag '63.

FORMIC ACID

Interaction of perchlorates with diphenylcarbazide and diphenylcarbazone [with summary in English] D I. Rtishchilov, L. V Borisova Zhur anal khim 18 no 7 851-855 Jl '63

FORMOSA—FOREIGN RELATIONS—UNITED STATES

The role of the Liao Wen-i group in the aggressive plans of the United States in Taiwan. V. N Baryshnikov. Krat. soob. Inst. nar. Az. no. 56,119-128 '63.

FORMOSA—POLITICS AND GOVERNMENT

The role of the Liao Wen-i group in the aggressive plans of the United States in Taiwan. V. N. Baryshnikov. Krat. soob. Inst. nar. Az. no. 56 119-128 '63.

FORTIFICATION

Lay-out of entrances into structures IU. Kriukov. Voen. vest. 41 no. 1 93-94 Ja '62

FORTIFICATIONS, OLD see subdivision under Kakhetia

FOUNDATIONS

(see also subdivision under Asia; Ural Mountain region)

Application of some instructions in Construction Specifications and Regulations II-B. 2-62, "Footings and foundations on sagging soils." Osn., fund. i mekh. grun. 5 no. 4:23-21 '63.

Calculation of natural foundations for structures to be built on loess. B. I. TSiunchik Trudy NIIZHT no. 28: 77-82 '62.

Calculation of sand cushions. N. K. Kananov, B. I. Dalmatov. Osn., fund. i mekh. grun. 5 no. 4 24-25 '63.

Compactness of sand foundations in a limit state. A. P. Krivoretov. Trudy NIIZHT no. 28:71-75 '62.

Concerning the forthcoming revision of "Technical specifications for designing footings and foundations on permafrost soils." S. S. Vialov. Osn., fund. i mekh. grun. 5 no. 4 21-22 '63.

Conference on water-level lowering for building purposes. G. M. Mariupol'skii. Osn., fund. i mekh. grun. 5 no. 4: 29-30 '63.

Designs for a sloping cylindrical shell on an elastic foundation. A. M Kakushadze, G. G. Mskhiladze. Soob. AN Gruz. SSR 30 no. 5:617-623 My '63.

Experiment in the use of drainage under structures on sagging soils. P. G. Burlak, V. V. Kostoglodov. Prom. stroi. 41 no. 10, 23-27 O '63.

It is necessary to revise the instructions on the inspection of settling foundations. T. S. Danilenko. Prom. stroi. 41 no. 9:43-46 S '63.

Laying footings and foundations on settling soils. Biul. stroi. tekh. 20 no. 8:25-27 Ag '63.

Methods of the laboratory determination of the strength of soil and foundation adfreezing. V. I. Puskov. Trudy NIIZHT no. 28:137-149 '62.

Some data on the salinization of soils by sodium chloride. A. R. Soldatenko. Trudy NIIZHT no. 28:129-136 '62.

Stability of foundations in clayey soils during deep seasonal freezing. B. I. Dalmatov, V. M. Karpov. Osn., fund. i mekh. grun. 5 no. 4:1-7 '63.

FOUNDATIONS—BIBLIOGRAPHY see Bibliography—Foundations

FOUNDATIONS—THERMAL PROPERTIES see subdivision under Novosibirsk

FOUNDATIONS—VIBRATION

Controlling the vibration of the foundations of saw frames. A. A. Sannikov. Les. prom. 40 no. 5:11-15 My '62.

FOUNDING

Akademiia nauk BSSR, Minsk. Fiziko-tekhnicheskii institut. [Physics of heat in foundry practice] Teplofizika v liteinom proizvodstve. Pod red. A. I. Veinika. Minsk, Izd-vo Akad. nauk BSSR, 1963. 535 p.

Casting killed steel testing rams. I. I. Pavlenko, M. F. Skobkin, L. S. Karleba. Met. i gornorud. prom. no. 5 76-77 S-O '63.

Continuous measurement of metal level in casting molds during steel teeming. V. I. Beloshabskii, IU. G. Gurevich. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10:3-5 '63.

The Eighteenth All-Union Scientific Technical Conference of Foundry Workers. L. M. Marienbakh. Vest. mashinostr. 43 no. 10:88-89 O '63.

FOUNDING—TECHNOLOGICAL INNOVATIONS see subdivision under Kirghizistan

FOUNDRIES—QUALITY CONTROL

Improving the quality of cast rapid steel. V. A. Ul'ianov, L. S. Pikus. Metalloved. i term. obr. met. no. 11:41-42 N '63.

FOUNDRIES—EQUIPMENT AND SUPPLIES

Developing new core binding materials. V. A. Kurakina. Alium. splavy no. 1:221-225 '63.

Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut liteinogo mashinostroeniia i liteinoi tekhnologii. [Foundry equipment; a catalog] Liteinoe oborudovanie; katalog. Moskva, Mashgiz, 1963. 242 p.

FOUNDRY SAND see Sand, Foundry

FOURIER SERIES

(L_p, L_q)-multipliers of Fourier integrals. P. I. Lizorkin. Dokl. AN SSSR 152 no. 4:808-811 O '63.

Numerical method and Fourier's series in problems of the analysis of Assur chains with rotating pairs V. IA. Anilovich, IU. V. Epshtein Teor. mash i mekh. no. 92/93,48-68 '62.

Some criteria of absolute Cesaro summability of multiple Fourier series. IU. A. Ponomarenko. Dokl. AN SSSR 152 no. 6 1305-1307 O '63.

Summation of Fourier series of almost periodical functions with bounded spectra. P. A. Bredikhina Izv vys ucheb. zav.; mat. no. 5:6-11 '63.

FOURIER TRANSFORMATIONS

Use of Fourier transforms of approximating functions in X-ray analysis of the fine crystalline structure of polycrystals. V. D. Krylov. Kristallografiia 8 no 3, 486-490 My-Je '63.

FRACTIONAL DISTILLATION see Distillation, Fractional

FRACTURES

Accelerated osteogenesis in incorrectly united and not united fractures. A. V. Barskii Kaz. med. zhur no 2 52-55 Mr-Ap '63.

FRAGONARD, JEAN HONORÉ, 1732-1806

Zolotov, IU. K. [Fragonard] Fragonar. Moskva, Iskusstvo, 1959. 34 p., plates. (MH)

FRANCE—AGRICULTURAL WORKERS

Condition and struggle of the French agricultural proletariat. M Volkov. Mir. ekon. i mezhdunar otn. no. 10 153-154 '63.

FRANCE—ANTIQUITIES

Relations between Celts and Scythians. I Rosen-Przeworska. Sov. arkheol. 7 no. 3 67-78 '63.

FRANCE—ATOMIC WEAPONS

De Gaulle's "atomic umbrella." V. Aidatovskii. Nov vrem 21 no. 45:29-30 N '63.

FRANCE—COMMUNIST PARTY

In the advance guard of the struggle for a democratic France. IU Mikhailov. Polit. samoobr. 7 no. 9 48-57 S '63.

FRANCE—CRIME AND CRIMINALS

In the jungle of crime. IU. V. Rad. pravo no. 1:116-117 Jl-Ag '63.

FRANCE—FOOD INDUSTRY—STUDY AND TEACHING

Training of engineers for the food industry in France V. N. Stabnikov. Izv. vys. ucheb. zav.; pishch. tekh no. 4:159-160 '63.

FRANCE—FOREIGN ECONOMIC RELATIONS—AFRICA

French imperialism and the "rejuvenated" Commonwealth. L. M. Entin. Afr. sbor. no. 1 94-112 '63.

FRANCE—FOREIGN RELATIONS

False reasons and worthless arguments. Jacque Coubard. Ogonek 41 no. 36-8 S '63.

FRANCE—FOREIGN RELATIONS—AFRICA

French imperialism and the "rejuvenated" Commonwealth. L. M. Entin. Afr. sbor. no. 1:94-112 '63.

FRANCE—FOREIGN RELATIONS—GREAT BRITAIN

Anglo-French confrontation in Fachoda in 1898. V. A. Subbotin. Afr. sbor. no. 1:143-169 '63.

FRANCE—FOREIGN RELATIONS—UNITED STATES

France and the U. S. A.: The lingering controversy across the ocean. L. Vidiasova. Mezhdunar. zhizn' 10 no. 12:32-41 D '03.

FRANCE—GEOGRAPHY—STUDY AND TEACHING

Notes on higher geographical education in France. K. K. Markov. Vest. Mosk. un. Ser 5: Geog. 18 no. 6:17-23 N-D '63.

FRANCE—GUIDED MISSILES

Foreign military news. Voen. vest. 41 no. 1:122-123 Ja '62.

FRANCE—HISTORY—SOURCES

Publication of the new sources of French history in the 16th century. S. V. Zhitomirskaia. Sred. veka no. 24 269-271 '63.

FRANCE—LOBBYING

Lobbying in France. T. Ievleva. Mezhdunar. zhizn' 10 no. 12:139-141 D '63.

FRANCE—MOTION-PICTURE PLAYS

"Soldier's leave." N. Lordkipanidze. Isk. kino 33 no. 7: 138-139 '63.

FRANCE—ORIENTAL STUDIES

Publications of the "École Francaise d'Extreme-Orient." A. IA. Shevelenko. Vop. ist. 38 no. 10:199-202 O '63.

FRANCE—POLITICS AND GOVERNMENT

Lobbying in France. T Ievleva Mezhdunar. zhizn' 10 no. 12,139-141 D '63.

FRANCE—STRIKES AND LOCKOUTS

Stormy autumn of French workers V. Goncharov. Nov. vrem. 21 no. 44:16-17 N '63.

FRANCE—TRADE UNIONS

Our friendship became a tradition. Benoit Franchon. Sov. profsoiuzy 19 no. 20 34-35 O '63.

FRANCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Role of the Resistance Movement in the liberation of France. V. P. Smirnov. Vop. ist. 38 no. 10 188-189 O '63.

FRANKO, IVAN, 1856-1916

Lvov. Universytet. [Ivan Franko, articles and materials] Ivan Franko, statti i materialy. [L'viv] 1960. Vol 7-8.

FRAUD

Defense in cases concerning the fictitious transactions which lead to the pilfering of socialist property. S. Basis. Sov. iust. no. 19 11-16 O '63.

Story of an "avenger." V. Fedorov. Sov. iust. no. 13:23 Jl '63.

Suit No. 1403. P. Semidetova. Sots obesp 24 no. 10: 27-29 O '63.

FRAXINELLA

Dermatitis arising from contact with fraxinella. V. N. Shalupenko. Vest. derm i ven. 36 no 10 82-83 O '62

FREEZE-DRYING

Materials on the desiccation of agglutinative listeriosis serum [with summary in English]. L. A. Burenkova Trudy TomNIIVS 12 266-269 '60

FREIGHT AND FREIGHTAGE

Effect of the irregular arrival of cars on the work of transshipment stations. P. A Kurnosenko. Trudy NIIZHT no 25 219-233 '61

FREIGHT AND FREIGHTAGE—CLAIMS

Decisions of arbitration agencies. Sov. iust. no. 13:31 Jl '63.

FREIGHTERS—AIR CONDITIONING

Results of testing a VOU-2000 ship air drying installation. V. M. Shamshin. Sudostroenie 29 no. 9:11-16 S '63.

FRENCH LANGUAGE—SENTENCES

Structure of the complex sentence in French. L. N. Rodova. Uch. zap. MGPIIIA 27:220-229 '63.

FRENCH LANGUAGE—VERB

Indirect transition in modern French. A. N. Stepanova. Uch. zap. MGPIIIA 27:230-244 '63.

FRENCH LITERATURE—HISTORY AND CRITICISM

Akademiia nauk SSSR. Institut mirovoi literatury. [History of French literature] Istoriia frantsuzskoi literatury. Moskva, Izd-vo Akad. nauk SSSR. Vol. 4, 1917-1960 gg. 1963. 644 p.

FRENCH LITERATURE—TRANSLATIONS INTO GEORGIAN

Aleksandr Chavchavadze and French literature [in Georgian with summary in Russian]. D. Panchulidze Trudy Tbil. GU 101:123-137 '62.

FRENCH NEWSPAPERS

Magicians from the newspaper "Progress"; against misinformation and slander. IU. Buchkarev Nov. vrem. 21 no. 15,27-28 N '63.

FREONS

Diagram I, lg. p for Freon 13. V. D. Veinshtein. Khol tekh. 40 no 5 74-75 S-O '63.

Investigating the heat exchange during the boiling of Freon 12 inside a horizontal pipe. S. N. Bogdanov. Khol. tekh. 40 no. 5:31-35 S-O '63.

Substituting Freon 22 for Freon 12. A. S. Kucherov. Khol. tekh. 40 no. 5:55 S-O '63.

FREONS—THERMODYNAMIC PROPERTIES

Thermodynamic properties of Freon 11. I. S. Badylkes. Khol. tekh. 40 no. 5 70-74 S-O '63.

FREQUENCY CHANGERS

Dynamics of frequency converters using transistor and ferrite elements [with summary in English]. N. F. Il'inskii, Avtom. i telem. 24 no. 10:1380-1386 O '63.

Three-phase bridge-type transistor frequency converter. I. I. Kanter, IU. M. Golembiovskii, B. A. Mazin. Elektrotekhnika 34 no. 10, 64-66 O '63.

FRESHWATER BIOLOGY

P^{32} accumulation in various components of a body of water. D. Z. Gak. Radiobiologiia 2 no. 6:938-943 '62.

FRESHWATER FLORA

(see also subdivision under Novosibirsk Reservoir)

Some characteristics of the respiration of semi-immersed plants. L. N. Loginova. Nauch. dokl. vys. shkoly, biol. nauki no. 4:141-145 '63.

FRICTION

Effect of external friction on the deep drawing process V. M. Antonov, Kuznechno-shtampovochn. proizv. 5 no. 10 13-15 O '63.

Generalization of Euler's formula for the case of Coulomb's friction. V. F. Kapranova. Izv. vyss. ucheb. zav., mashinostr. no. 8 10-19 '63.

Mitrovich, V. P. [Study of friction between polyamides and steel] Issledovanie trenila poliamidov po stali Moskva, Izd-vo Akad. nauk SSSR, 1963. 94 p.

Review of I. V. Kragel'skii's book "Friction and wear" by A. E. Tishunov, M. A. Spitsyn. Vest. mashinostr. 43 no. 10 90-91 O '63.

Values of the friction coefficient in tight threaded joints. S. N. Zakharo. Vest. mashinostr. 43 no. 10 24-26 O '63.

Wear of an analogous friction pair. V. N. Kashcheev. Fiz. met. i metalloved. 16 no. 4 463-466 S '63.

FRICTION MATERIALS

Experimental use of antifriction polymeric materials on locomotives. Sh. M. Bilik and others. Trudy TSNII MPS no. 267 46-59 '63.

Methylol polyamide phenol resins as antifriction material. Sh. M. Bilik, G. V. Gnezdilova. Trudy TSNII MPS no. 267 70-81 '63.

Nature of the contact of some polymeric materials after abrasion with bodies of various roughnesses. IU. B. Lasson. Trudy TSNII MPS no. 267 25-37 '63.

FROGS

Effect of temperature on the functional state of receptors in cold-blooded animals. O. P. Dobromyslova. Nauch. dokl. vys. shkoly, biol. nauki no. 4 49-53 '63.

FROGS AS LABORATORY ANIMALS

Seasonal susceptibility of grass and lake frogs to cardiac glycosides. T. IA. Cherkovskaia. Sbor. nauch. trud. TSANII 3 146-157 '62.

FROST see subdivision under Irkutsk Province, Odessa Province

FROST PROTECTION see subdivision under Siberia

FROZEN GROUND
(see also subdivision under Transbaikalia)

Concerning the forthcoming revision of "Technical specifications for designing footings and foundations on permafrost soils." S. S. Vialov. Osn., fund. i mekh. grun. 5 no. 4 21-22 '63.

Freezing of a frost-dam from the dry slope side. A. A. TSvid. Sbor. nauch. rab. DVNIIS no. 1 93-104 '61.

Freezing of subfluvial talik in frozen dams. A. A. TSvid. Sbor. nauch. rab. DVNIIS no. 1 87-91 '61.

Guaranteed efficiency of machines in a permafrost region. G. K. Krivoshchekov. Stroi. truboprov. 8 no. 9 27-29 S '63.

Mechanism for boring holes in frozen ground. A. I. Gaidar. Stroi. truboprov. 8 no. 8 17 Ag '63.

Stability of foundations in clayey soils during deep seasonal freezing. B. I. Dalmatov, V. M. Karpov. Osn., fund. i mekh. grun. 5 no. 4 4-7 '63.

FRUIT

Leaf diagnosis of fruit crops. E. D. Zelenskaia. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 40 68-78 '62.

Root excretions of fruit and berry plants. E. D. Zelenskaia. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 40 53-67 '62.

FRUIT—ANATOMY

Microcarpology of the gourd family; anatomy of the fruits of squirting cucumber and balsam apple. B. T. Matienko. Bot. zhur. 48 no. 9 1346-1352 S '63.

FRUIT—FERTILIZERS AND MANURES see subdivision under Ukraine

FRUIT—HARVESTING

New scientific discoveries and technological innovations. Ukraina no. 19 26 O '62.

FRUIT—MORPHOLOGY

Fruit of wormwood occurring as weeds in the U. S. S. R. T. P. Golova. Nauch. dokl. vys. shkoly, biol. nauki no. 4 95-103 '63.

Morphology of the gynoecium and the fruit of geranium. N. N. Kaden, V. P. Lanovaia. Nauch. dokl. vys. shkoly, biol. nauki no. 4 104-109 '63.

FRUIT—STORAGE

Effect of the changes in temperature and moisture on weight losses of fruit in storage. TS. R. Zaichik. Kons. i ov. prom. 18 no. 10 38-39 O '63.

FRUIT—TRANSPORTATION see subdivision under Soviet Central Asia

FRUIT CULTURE
(see also subdivision under Polesye)

Economics of fruit culture. P. Dubrova. Ekon. sel'khoz. 34 no. 10 37-50 O '63.

FRUIT JUICES—TESTING

Development of objective methods for determining the clearness of clarified fruit juices. A. F. Fan-IUng (Fang-Yung), M. E. Soloid. Kons. i ov. prom. 18 no. 10 31-33 O '63.

FRUIT TRADE see subdivision under Kiev Province

FRUIT TRADE—ACCOUNTING

Let's properly organize the delivery records of fruit and vegetables. M. Smorodin. Sov. torg. 36 no. 8 24-26 Ag '63.

FRUIT TREES
(see also subdivision under Ukraine)

Distribution of nutrients in fruit plants in the case of isolated nutrition of a single root. S. S. Rubin, V. F. Moiseichenko. Dokl. AN SSSR 152 no. 2 485-488 S '63.

FRUNZE, MIKHAIL VASIL'EVICH, 1885-1925

Book about a national hero. V. Gorlov. Voen. vest. 43 no. 7 122-124 Jl '63.

A life given to the revolution. IU. Sharapov. Nov. mir 39 no. 2 272-274 F '63.

FUCHSIN

Sensitive sulfurous fuchsin reagent for the determining of acetaldehyde. D. A. Kozlova. Trudy Ukr. NIISP no. 5 197-202 '59.

FUEL

Kumskov, A. I., and A. N. Pokaliuk. [Fuel and combustion processes] Toplivo i protsessy goreniia. Moskva, Transzheldorizdat, 1963. 191 p.

FUEL—ANALYSIS

Determining sulfur ether in solid fuel by the methyl iodide method. E. N. Prilezhaeva and others. Trudy IGI 21 202-210 '63.

Formation of trace impurities in middle-distillate fuels. IA. B. Chertkov and others. Zhur. prikl. khim. 36 no. 8 1825-1833 Ag '63.

Micromethod for the determination of iodine content. N. P. Fedorovskaia, I. M. Khashkina, M. N. Chumachenko. Trudy IGI 21 197-201 '63.

FUEL—SULFUR CONTENT

Methods of determining varieties of organic sulfur in solid fuels. B. N. Prilezhaeva and others. Trudy IGI 21 159-168 '63.

FUEL PUMPS—MAINTENANCE AND REPAIR

Reconditioning the valve pairs of fuel pumps. F. Muzychuk. Tekh. v sel'khoz. 23 no. 8 80 Ag '63.

FUEL RESEARCH

Evolution of the atmosphere, plants and fuel. V. E. Rakovskii, L. V. Pigulevskaia. Dokl. AN BSSR 7 no. 10 688-692 O '63.

FUNCTIONAL EQUATIONS

Modification of Chebyshev's method. R. A. Shaflev. Zhur. vych. mat. i mat. fiz. 3 no. 5 950-953 S-O '63.

FUNCTIONS

Certain classes of functions defined on (--00, 00). R. G. Mamedov. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 3 3-11 '63.

Criteria for regular functions belonging to two classes of functions of two complex variables. I. I. Bavrin. Dokl. AN SSSR 152 no. 2 255-258 S '63.

Lebedev, N. N. [Special functions and their applications] Spetsial'nye funktsii i ikh prilozhenila. Izd 2., perer. i dop. Moskva, Fizmatgiz, 1963. 358 p.

FUNCTIONS, ANALYTIC

Completeness of systems of analytic functions in a region. V. P. Gromov. Mat. sbor. 62 no. 3 320-334 N '63.

Completeness of the system $\{\lambda_n e^{nz}\}$ in a closed strip. A. F. Leont'ev. Dokl. AN SSSR 152 no. 2 266-268 S '63.

Convergence of trigonometric interpolation for analytic periodic functions. V. I. Krylov, L. A. IAnovich. Dokl. AN BSSR 7 no. 10 649-652 O '63.

Fundamentals of classical analysis and the theory of analytic functions in a polyadic region. E. V. Novoselov. Izv. vys. ucheb. zav.; mat. no. 5 71-88 '63.

Generalized problem of the conjugation of analytic functions and its applications. L. G. Mikhailov. Izv. AN SSSR. Ser. mat. 27 no. 5 969-992 S-O '63.

Motion of a one-dimensional nonlinear oscillator under adiabatic conditions [with summary in English]. A. A. Slutskin. Zhur. eksp. i teor. fiz. 45 no. 4 978-988 O '63.

Picard's problem for integral bianalytic functions. M. B. Balk. Dokl. AN SSSR 152 no. 6 1282-1285 O '63.

Properties of analytic functions representable by Cauchy-Stieltjes and Cauchy-Lebesgue type integrals. G. TS. Tumarkin. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 16 no. 5 23-45 '63.

Quasi-L-analyticity of the class $C\{\overline{M}_n\}$. A. A. Tynovs'kyi. Dop. AN URSR no. 12 1548-1551 '61.

Representation of the density of the nucleus and its potential by various analytic functions and their application in studying the interaction of particles with nuclei. M. Z. Maksimov. Izv. AN SSSR. Ser. fiz. 27 no. 10 1319-1328 O '63.

Riemann's boundary value problem in a space of [illegible] ized functions and Faber polynomials. V. S. [illegible]. Dokl. AN SSSR 152 no. 6 1306-1311 O '63.

Single-valued determinacy of ovaloids with [illegible]. V. Fomenko. Dokl. AN SSSR 152 no. 6 1300-1[illegible] O '63.

Theory of approximation of analytic functions [illegible] in closed regions, and S. M. Nikol'skii's [illegible] Dziadyk. Izv. AN SSSR. Ser. mat. 27 [illegible] O '63.

Univalent mappings of plane regions and [illegible] zero-measure sets of simple ends of the [illegible] gion. G. D. Suvorov. Dokl. AN SSSR [illegible] S '63.

FUNCTIONS, AUTOMORPHIC

Automorphic functions and the theory of [illegible] I. M. Gel'fand, I. I. Piatetskii-Shapiro. Trudy [illegible] mat. ob-va 12 380-412 '63.

FUNCTIONS, CHARACTERISTIC see L-functions

FUNCTIONS, CONTINUOUS

Approximate realization of continuous functions [illegible] matic machines. IU. Ofman. Dokl. AN [illegible] 823-826 O '63.

FUNCTIONS, MODULAR

Problem concerning iso-extremum functions [illegible] tov. Sbor. trud. LIIZHT no. 17 9 28-31 '61.

FUNCTIONS, ORTHOGONAL

Writing a kinetic equation in spherical harmonics [illegible] linear coordinates - axisymmetric case). I. N. [illegible] skala. Zhur. vych. mat. i mat. fiz. 3 no. 5 [illegible] O '63.

FUNCTIONS, PERIODIC

Approximation of periodic functions by trigonometric polynomials in a generalized Lebesgue [illegible]. Sabzivi. Izv. AN Azerb. SSR. Ser. fiz.-mat. [illegible] no. 3 31-39 '63.

Direct and inverse theorems in the theory of [illegible] tion of periodic functions by [illegible] Mamedov. Dokl. AN Azerb. SSR 18 no. [illegible]

Summation of Fourier series of almost periodic [illegible] tions with bounded spectra. I. A. Birgelbiner. [illegible] ucheb. zav.; mat. no. 5 76-81 '63.

FUNCTIONS, ZETA

Zeta function on a group of unitary matrices. [illegible] Eskin. Dokl. AN SSSR 152 no. 6 1321-1324 [illegible]

FUNCTIONS OF SEVERAL VARIABLES

Complete and partial moduli of the smoothness [illegible] tions of several variables. M. F. Timan. Dokl. [illegible] no. 12 1546-1548 '61.

Method for an automatic search of the extremum [illegible] tion of several variables. Z. M. Salikhov. Izv. [illegible] SSR. Ser. tekh. nauk 7 no. 4 21-25 '64.

Some inequalities between the norms of partial [illegible] of functions of several variables. V. P. Il'in. Trudy [illegible] SSSR 152 no. 2 262-265 S '63.

FUNGI

Tincture of Inonotus obliquus. O. I. Belova, K. I. Vasilentsova. Sbor. nauch. trud. TSANII 3 86 91 '62.

FUNGI, PATHOGENIC see subdivision under Mice

FUNGI, PHYTOPATHOGENIC

Study of the fungus diseases of Daphniphyllum glaucescens Maxim. in Sukhumi. K. T. Dzhalagoniia. Trudy Sukh. bot. sada no. 14 59-66 '62.

FUNGICIDES

Results of testing smut-controlling fungicides [illegible] eradication of Ustilago hordei and Ustilago [illegible] southeastern Kazakhstan. N. N. Al'mukhamedov. Trudy Kaz. NIIZR 7 500-506 '62.

Some work results of differentiated use of [illegible] for controlling smuts. E. I. Ishpaikina. Trudy [illegible] NIIZR 7 613-623 '62.

FUNGOUS DISEASES see Mycosis

FUR TRADE see subdivision under Leningrad

FURALDEHYDE

Continuous neutralization of furfur ole-containing [illegible] N. P. Mel'nikov and others. Gidroliz. i lesokhim. prom. 16 no. 7 20-23 '63.

Methods for increasing the commercial stability [illegible] furole. IU. I. Khol'kin, G. N. Chernyaeva. Gidroliz. i lesokhim. prom. 16 no. 7 6-8 '63.

FURALDEHYDE—ANALYSIS

Pulsed polarographic analysis for determining [illegible] in sewage waters. V. I. Bodiu, IA. S. Pel'dman. Gidroliz. i lesokhim. prom. 16 no. 7 11-12 '63.

FURAN

Bromination of adducts of 2-methyl- and 2,5-dimethylfuran with maleic anhydride. N. S. Zefirov. Zhur. ob. khim. 33 no. 10 3130-3140 O '63.

FURAN (Continued)

Interaction of tetrahydrofuran with acetyl chloride in the presence of zinc bromoenol acetates. V. A. Barkhash, G. P. Smirnova, I. V. Machinskaia. Zhur. ob. khim. 33 no. 8 2570-2573 Ag '63

Enzymatic method for determining peroxides in tetrahydrofuran [with summary in English]. A. P. Zozulia, F. V. Bovikova. Zhur. anal. khim. 18 no. 9 1105-1109 S '63

Preparation and certain properties of the complex formed by methyl titanium trichloride and tetrahydrofuran. G. A. Razuvaev, L. M. Bobinova. Dokl. AN SSSR 152 no. 6 1363-1364 O '63.

Spectropolarimetric study of Schiff's bases in the furan series. A. P. Terent'ev and others. Dokl. AN SSSR 152 no. 6 1373-1375 O '63

FURNACES

Complete burning of fire wood in wood furnaces. N. D. Kuznetsov. Energetik 11 no. 10 25 O '63.

Control of temperatures in the reaction zone of a rotating furnace. V. B. Zeindman. Khim. prom. no. 7, 541-544 Jl '63.

FURNACES, HEATING

Distribution of combustion products between soaking pit regenerators. V. N. Antsiferov, M. P. Revun. Met. i gornorud. prom. no. 5 77-79 S-O '63.

Flameless furnaces of a new type for nonoxidating heating of metals for pressing. V. S. Gavrilenko. Trakt. i sel'khozmash. 33 no. 3 41-43 Mr '63.

Heating metal for forging in a nonoxidizing, semicontinuous push-type furnace. V. N. Kostikov, A. E. Erinov. Kuz.-shtam. proizv. 5 no. 10 32-36 O '63.

Mechanized furnace for the heating of a steel strip for forging. G. I. Kakeev, G. A. Kats. Kuz.-shtam. proizv. 5 no. 9 35-37 S '63.

Standard, compartment-type heating furnaces operating on liquid and gaseous fuel. L. G. Satanovskii. Kuz.-shtam. proizv. 5 no. 10 36-39 O '63.

FURNITURE

New small-scale furniture. Zhil.-kom. khoz. 11 no. 12 29 D '61.

Review of experimental designing and research work completed by the former Central Furniture Design Bureau in 1962. Der. prom. 12 no. 8 28-29 Ag '63.

FURNITURE—EXHIBITIONS see subdivision under Soviet Central Asia

FURNITURE INDUSTRY see subdivision under Lvov

FURNITURE INDUSTRY—ACCOUNTING

Analyzing the expenditure of lumber in the manufacture of furniture. A. B. Kolfman. Der. prom. 12 no. 8 17-18 Ag '63.

FURNITURE INDUSTRY—EQUIPMENT AND SUPPLIES

Presses for the production of bent-glued furniture parts. S. IA. Novikov. Der. prom. 12 no. 8 19-21 Ag '63.

FUSARIUM

(see also subdivision under Kazakhstan)

Effect of the metabolic products of Fusarium moniliforme on the germination of seeds and the growth of plants. M. Z. Sikkiia. Trudy inst. mikrobiol. no. 11 318-326 '61.

FUSED SALTS

Interaction of ferrites with molten salts and metal oxides. I. M. Vatiag, K. G. Khomiakov. Vest. Mosk. un. Ser. 2 Khim. 18 no. 5 39-40 S-O '63.

FUSED SALTS—ELECTRIC PROPERTIES

Effect of temperature on the electric conductivity of fused salts with a cation valence higher than 1. O. K. Sokolov. Izv. AN SSSR. Met. i gor. delo no. 5 89-91 S-O '63

Thermodynamic properties of $PbCl_2$ in ternary eutectic $PbCl_2$ - KCl - NaCl. IU. K. Delimarskii, IU. G. Roms. Ukr. khim. zhur. 29 no. 8 781-784 '63.

FUSED SALTS—TESTING

Regularities of diffusion and viscous flow in fused chlorides. E. A. Ukshe, IU. M. Riabukhin. Izv. AN SSSR. Met. i gor. delo no. 5 84-88 S-O '63.

FUSED SALTS—THERMODYNAMIC PROPERTIES

Thermodynamic properties of the system AgCl - NaCl - $PbCl_2$. Part 2: Activities and activity coefficients of components of a system for the solid phase of variable composition [with summary in English]. A. A. Nazarov, M. M. Shul'ts, A. V. Storonkin. Vest. LGU 18 no. 16: 94-102 '63.

FUSULINIDAE

Basis for the main division of Carboniferous and Permian systems; stratigraphic distribution of fusulinids in Upper Paleozoic sediments of the Russian-Chinese and Caucasian-Sinian biostratigraphic areas [with summary in English]. A. D. Miklukho-Maklai. Vest. LGU 18 no. 18 53-56 '63.

FUZULI, MEHMET, 1494-1555

Fuzuli and Uzbek literature [in Azerbaijani with summary in Russian]. M. Guliazade. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 4:63-82 '63.

GABBRO see subdivision under Shakhdag

GADOLINIUM

Electron paramagnetic resonance of Gd^{3+} in CaF_2. V. M. Vinokurov and others. Fiz. tver. tela 5 no. 10: 2902-2907 O '63.

GADOLINIUM CRYSTALS—MAGNETIC PROPERTIES

Some magnetic properties of gadolinium single crystals [with summary in English]. V. I. Chechernikov and others. Zhur. eksp. i teor. fiz. 45 no. 4 867-869 O '63

GADOLINIUM ISOTOPES

Spectra of internal conversion electrons from a Gd fraction. A. S. Danagulian, N. A. Lebedev, A. T. Strigachev. Izv. AN SSSR. Ser. fiz. 27 no. 11 1392-1393 N '63.

GAGARIN, IURII ALEKSEEVICH, 1934-

Gagarin, IU. A. [Road into space; story of an astronaut-flier of the U. S. S. R.] Doroga v kosmos, rasskaz letchika-kosmonavta SSSR. Moskva, Detgiz, 1963. 303 p. illus

GALACTOSE

New D-galactose formazans. N. M. Malev. Zhur. ob. khim. 33 no. 8 2775-2777 Ag '63.

GALANT, IVAN BORISOVICH, 1893?-

Ivan Borisovich Galant, on his 70th birthday. Zhur. nevr. i psikh. 63 no. 2, 318 '63

GALANZA, PETR NIKOLAEVICH, 1893-

Professor P. N. Galanza's 70th birthday. Vest. Mosk. un. Ser. 10: Pravo 18 no. 4:79-80 O-D '63.

GALAXIES

Photometric distances to galaxies and the red shift [with summary in English]. A. V. Zasov. Astron. zhur. 40 no. 5:868-873 S-O '63

Screened galaxies and an experimental test of the general theory of relativity [with summary in English]. IU. G. Klimov. Astron. zhur. 40 no. 5:874-881 S-O '63.

GALAXIES—SPECTRA

Appearance of absorption lines of the Balmer hydrogen series in galactic spectra. G. A. Gurzadian. Dokl. AN SSSR 152 no. 6 1331-1334 O '63.

GALAXY see Milky Way

GALLBLADDER—DISEASES

Cholecystitis and cholelithiasis. Report No. 1. V. I. Braude. Trudy mol. nauch. sotr. MONIKI no. 1:218-221 '59.

GALLBLADDER—SURGERY

Methods for applying chronic fistulas to the gall bladder in young cattle. V. A. Mikhalina. Dokl. TSKHA no. 69: 265-270 '61.

GALLIC ACID

Changes in the amount of Nucleic acids in the organs of rats under the influence of X irradiation and the prophylactic action of propyl gallate [with summary in English]. M. P. Kipkan, V. A. Barabol, R. H. Lukashova. Ukr. biokhim. zhur. 31 no. 2 167-175 '62.

GALLIUM—ANALYSIS

Photometric determination of gallium in the presence of oxalate ions by means of 1-(2-pyridylazo)-resorcinol. L. P. Tsintsevich, V. M. Ivanov, V. A. TSibel'. Vest. Mosk. un. Ser. 2 Khim. 18 no. 5:54-56 S-O '63

GALLIUM ARSENIDE

Identity period and microhardness of semiconducting solid solutions of InP - GaAs. N. N. Sirota, L. A. Makovetskaia. Dokl. AN BSSR 7 no. 4 230-232 Ap '63.

GALLIUM COMPOUNDS—OPTICAL PROPERTIES

Some optical properties of thin films of the system Ga - Se. V. G. Tyrziu, M. P. Tyrziu. Trudy po fiz. poluprov. no. 1:92-96 '62.

GALLIUM PHOSPHIDE CRYSTALS—SPECTRA

Fine structure of the damping times for edge radiation bands in GaP crystals. E. F. Gross, D. S. Nedzvetskii. Dokl. AN SSSR 152 no. 2:309-312 S '63.

Generation of long-wave edge-luminescence bands in GaP crystals. E. F. Gross, D. S. Nedzvetskii. Dokl. AN SSSR 152 no. 6 1335-1338 O '63.

GALLIUM SELENIDE—OPTICAL PROPERTIES

Some optical properties of thin films of the compound Ga_2Se_3. V. G. Tyrziu, M. P. Tyrziu. Trudy po fiz. poluprov. no. 1:97-104 '62.

GAL'PERIN, ALEKSANDR L'VOVICH, 1896-1960

Aleksandr L'vovich Gal'perin. G. I. Podpalova. Krat. soob. Inst. nat. Az no. 64:3-8 '63.

GAME THEORY

Efficient use of the possibilities offered by military cybernetics. I. IA. Diner. Mor. sbor. 46 no. 7:34-41 Jl '63.

GAMES

Play as a means of training. G. Sevrukov. Shkola-int no. 5 19 S-O '63

GAMES OF STRATEGY (MATHEMATICS)

Certain classes of games and robot games. I. M. Gel'fand, I. I. Piatetskii-Shapiro, M. L. Tsetlin. Dokl. AN SSSR 152 no. 1:845-848 O '63

GAMMA GLOBULIN

Complement fixation reaction as a method of determining the specific activity of antirabic serum and gamma globulin [with summary in English]. M. K. Tiushniakova, G. E. Nebolsinova. Trudy TomNIIVS 12 261-265 '60

Obtaining gamma globulin for tick-borne encephalitis under industrial conditions [with summary in English]. N. B. Plakhova, V. G. Mekhanikova, A. I. Deeva. Trudy TomNIIVS 12 254-257 '60.

Obtaining gamma globulin from blood clots [with summary in English]. A. I. Deeva. Trudy TomNIIVS 12 258-260 '60

Seroprophylaxis for Botkin's disease in children's institutions [with summary in English]. M. L. Iablokova and others. Pediatriia 42 no. 5:51-55 My '63.

GAMMA-RAY SPECTROMETER

Gamma ray scintillation spectrometer for the exploration of boreholes. G. A. Nedostup. Geofiz. razved. no. 12: 120-127 '63.

GAMMA-RAY SPECTROMETRY

Coulomb excitation of levels in odd nuclei C 135¶A¶173. D. G. Alkhazov, K. I. Erokhina, I. Kh. Lemberg. Izv. AN SSSR. Ser. fiz. 27 no. 11 1363-1376 N '63.

GAMMA RAYS

Apparatus for generating extreme synchrotron γ-radiation with external injection. N. S. Solov'ev. Zhur. tekh. fiz. 33 no. 8 945-948 Ag '63.

Oxidation of n-butanol in the liquid phase initiated by Co^{60} γ-radiation. P. N. Komarov, G. V. Barelko, M. A. Proskurnin. Neftekhimiia 3 no. 4 609-614 Jl-Ag '63.

GAMMA RAYS—CAPTURE

Calculating the spatial distribution of dosed fluxes of captured gamma radiation [with summary in English]. L. P. Bokacheva, K. K. Popkov, L. N. Tabolina. Inzh.-fiz. zhur. 6 no. 11:85-89 N '63.

GAMMA RAYS—INDUSTRIAL APPLICATIONS

Artsybashev, V. A. [Concise manual for determining the density of rocks and ores by the method of gamma ray attenuation] Kratkoe rukovodstvo po opredeleniiu plotnosti porod i rud metodom oslableniia gamma-luchei. Moskva, Gosgeoltekhizdat, 1963. 57 p.

Interpretation of gamma-gamma logging anomalies over Donetsk Basin coal seams. IU. I. Belotserkovets, A. G. Kuznetsov. Geofiz. razved. no. 12:100-110 '63.

GAMMA RAYS—PHYSIOLOGICAL EFFECT

Action of prophylactic substances in internal and external irradiation of animals [with summary in English]. L. L. Khamaide, A. S. Mochalina. Trudy MOIP. Otd. biol. 7, 127-131 '63.

Change in the antioxidative activity of tissue culture strain Nel-2 after external gamma irradiation. B. V. Leonov. Radiobiologiia 2 no. 6:819-823 '62.

Change in the electric resistance of erythrocytes under the action of gamma rays. IU. A. Kriger, A. A. Vainson. Nauch. dokl. vys. shkoly, biol. nauki no. 4:80-84 '63.

Effect of prolonged irradiation with Co^{60} on hemopoiesis, stimulated by loss of blood. A. D. Pushnitsina. Radiobiologiia 2 no. 6:847-854 '62.

Effect of the conditions of cultivation after radiation on the effectiveness of gamma irradiation of diploid and heploid yeast. V. L. Korogodin, E. M. Karabaev. Radiobiologiia 2 no. 6:824-830 '62

Effect of total chronic irradiation with Co^{60} on conditioned food reflexes in white rats. E. S. Melzerov. Radiobiologiia 2 no. 6:878-882 '62.

Functional state of testes in mice exposed to gamma irradiation during embryonal development. F. B. Shapiro, N. N. Zheltikova. Nauch. dokl. vys. shkoly, biol. nauki no. 4:80-84 '63.

Localization of primary reactions of radiation injury in submicroscopic tissue structures [with summary in English]. A. I. Polivoda, E. N. Sekamova. Trudy MOIP Otd. biol. 7:122-126 '63.

Radiation aftereffect in erythrocytes [with summary in English]. IU. A. Kriger. Trudy MOIP. Otd. biol. 7:118-121 '63.

Recovery of yeast soon after irradiation. A. Kh. Tambiev. Radiobiologiia 2 no. 6:831-833 '62.

GAMMA RAYS—SCATTERING

Asymptotic behavior of the total cross section of $\gamma\gamma$-scattering at high energies [with summary in English]. V. D. Mur. Zhur. eksp. i teor. fiz. 45 no. 4:1051-1059 O '63.

Inelastic scattering of gamma quanta on Ag^{107} nuclei [with summary in English]. O. V. Bogdankevich and others. Zhur. eksp. i teor. fiz. 45 no. 4 882-891 O '63.

GAMMA RAYS—SPECTRA

Gamma-ray spectra produced in resonance neutron capture [with summary in English] V. Ratynskii and others. Zhur. eksp. i teor. fiz. 45 no. 1 870-874 O '63.

Spectra of gamma rays and internal conversion electrons emitted in the capture of thermal neutrons by mercury nuclei. L. V. Groshev and others. Izv. AN SSSR Ser. fiz. 27 no. 11 1377-1391 N '63.

Spin dependence of the density of resonance levels [with summary in English] B. G. Ignat'ev, I. V. Kurpichnikov, S. I. Sukhoruchkin. Zhur. eksp. i teor. fiz. 45 no. 4 879-881 O '63.

Studying the Coulomb excitation of the first levels of even-even nuclei by measuring coincidences of gamma quanta and inelastically scattered ions. D. G. Alkhazov and others. Izv. AN SSSR, Ser. fiz. 27 no. 10 1285-1296 O '63.

GANGRENE

Gangrene of the skin in erythroderma desquamativium in an infant. F. A. Zverko a, N. V. Litvinok Vest. derm i ven 36 no 10 77-79 O '62

Obtaining a polyvalent antigangrene serum [with summary in English]. Kh. I. Usherenko Trudy TomNIIVS 12 195-198 '60

GARDEN CITIES see subdivision under Chi chiF

GARDENING—EQUIPMENT AND SUPPLIES

The VGS-3,5 garden hydraulic tree-trimmer truck. P. M. Komissarov, V. V. Kniaz'kov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 73-74 '63.

GARIBALDI, GIUSEPPE, 1807-1882

Nevler, V. E. [Echo of Garibaldi's battles] Ekho garibal'diiskikh srazhenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 121 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serita)

GARLIC

Effect of volatile fractions of the phytoncides of garlic on the respiration of isolated tissues. N. I. Shpak. Uch. zap. UEIGB 5,329-332 '62.

GARMENT CUTTING

Cutting of clothing parts from multiple layer fabric piles. B. A. Kusner, N. I. Petrov. Shvein. prom. no. 3 24-26 Je-Jl [i.e. My-Je] '61

Developing basic patterns for the design of outerwear. L. M. Rabinovich, S. L. Shekhter. Leh. prom. no. 3 16-19 Jl-S '63.

Manufacture of children's pants from plaid fabrics without allowance for pattern matching when cutting. L. IA. Khamish. Leh. prom. no. 3 40-41 Jl-S '63.

GARNET

(see also subdivision under Tenryuk Valley)

Ferromagnetic resonance in single-crystal iron-yttrium garnet retaining its magnetic structure. B. M. Lebed', L. IA. Mukha. Fiz. tver. tela 5 no. 10 2963-2967 O '63.

Some characteristics of ferromagnetic resonance in yttrium garnet with conservation of domain structure. A. A. Manulova. Fiz. tver. tels 5 no. 10 2847-2853 O '63.

GAS, NATURAL

(see also subdivision under Siberia, Western)

Heating open-hearth furnaces with hot natural gas. V. S. Kocho and others. Met. i gornorud. prom. no. 5 65-66 S-O '63.

Namiot, A. IU., and M. M. Bondareva. [Solubility of gases in water under pressure] Rastvorimost' gazov v vode pod davleniem. Moskva, Gostoptekhizdat, 1963. 146 p.

Plotting the optimal power balance by considering the rate of gas consumption by means of electronic computers. IU. A. Kuznetsov. Izv. SO AN SSSR no. 1, Ser. obshchestv. nauk no. 1:60-71 '63.

GAS, NATURAL—ANALYSIS see subdivision under

Safety measures in the construction of urban gas mains. L. IA. Shrage Stroi. truboprov. 8 no. 9:30-31 S '63.

Shal'nov, A. P. [Construction of underground urban gas pipe lines] Stroitel'stvo podzemnykh gorodskikh gazoprovodov. Izd 2, perer. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 302 p.

GAS AND OIL ENGINES see Internal combustion engines

GAS AND OIL ENGINES—MUFFLERS

Graphic method of determining the optimal dimensions of exhaust muffler cells for low-frequency noises. G. A. Korneev. Sudostroenie 29 no. 9 26-27 S '63.

GAS APPLIANCES

Methods of calculating gas consumption without meters. V. Smirnov, B. Rodionov. Zhil.-kom. khoz. 11 no. 12 32-33 D '61.

GAS AS FUEL

Changing local hot-water heating over to gas fuel. IU. Sosnin. Zhil.-kom. khoz. 11 no. 12 21-22 D '61.

Maximum explosion-proof concentration of oxygen in mixtures with fuel gases A. I. Rozlovskii, B. B. Brandt. Khim. prom. no. 7 518-519 Jl '63.

GAS CHROMATOGRAPHY

Possibility of chromatographic separation in gas-liquid columns without the use of an inert gas carrier. O. V. Al'tshuler and others Dokl. AN SSSR 152 no. 4:892-895 O '63.

Quantitative evaluation of chromatograms with the aid of a detector of heat conductivity [with summary in English] V. A. Balandina and others. Zhur. anal. khim. 18 no. 7 808-810 Jl '63

Quantity of liquid petrolatum during modification with tripoli from the Zikeev Mine for chromatographic separation of hydrocarbons. N. A. Kudriavtseva, A. I. Tarasov, A. I. Shchipanova. Khim. i tekh. topl. i masel 8 no. 10 59-62 O '63.

Separation of alcohols by gas-liquid chromatography. V. A. Sokolov, L. P. Kolesnikova Neftekhimiia 1 no. 1 564-566 Jl-Ag '61.

Separation of C_8-C_{14} aromatic hydrocarbons by the gas-liquid chromatography. I. A. Musaev and others. Neftekhimiia 1 no. 4, 459-472 Jl-Ag '61.

GAS DETECTORS

Universal indicating instrument. A. Baratov. Pozh. delo 7 no. 7:10 Jl '61.

Using portable gas analyzers, GB-3 and PGF-11-54 to measure the concentration of petroleum products vapors. A. Fomina, V. Sharapov. Mor. flot 23 no. 9. 36-37 S '63.

GAS DISTRIBUTION

Expediency of installing additional gas-distributing substations. A. A. Narimanov. Stroi. truboprov. 8 no. 8: 21-22 Ag '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat,

Pt. 2, Sec. G, ch. 11. [Gas delivery, internal gas equipment; specifications for designs] Gazosnabzhenie, vnutrennee gazooborudovanie; normy proektirovaniia (SNiP II-G. 11-62). 1963. 16 p.

GAS DYNAMICS

Instrument measurement of the rate of heat and mass exchange between gas flows and enclosing walls. K. M. Leonovich, N. F. Lysenko. Nauch. trudy VNIIPodzemgaza no. 9:7-21 '63

Setting variational problems of gas dynamics. V. M. Borisov, IU. D. Shmyglevskii. Prikl. mat i mekh 27 no. 1:183-185 Ja-F '63.

Studying gas dynamics in the heating system of the large-capacity type PVR coke ovens. A. P. Borodikhin, IU. L. Kurbatov, N. O Lukomskaia. Koks i khim. no. 10:31-35 '63.

GAS DYNAMICS—CONGRESSES

Mezhvuzovskaia Nauchnaia konferentsiia po voprosam isparenila, gorenlia i gazovoi dinamiki dispersnykh sistem, 3d, 1962. [Theses of reports of the Interuniversity Scientific Conference on Problems of Evaporation, Combustion, and Gas Dynamics of Disperse Systems] Tezisy dokladov. Odessa, Odesskii gos. univ. 1962. 26 p.

[MICROFILM]

GAS FLOW

Dissipation of atoms of a gas on a rough wall formed by unevenesses of two scales [with summary in English]. R. N. Miroshin. Vest. LGU 18 no. 19:154-156 '63.

Extremum properties of solutions to certain classes of second-order partial differential equations and their application to gas flows. D. B. Kikin. Izv vys. ucheb zav.; mat. no. 5:56-58 '63.

Investigation of the heat transfer of a gas jet in a cylindrical chamber [with summary in English]. G. P. Stel'makh. Inzh.-fiz. zhur. 6 no. 10:93-95 O '63.

Resistance and heat transfer on a permeable surface in the case of gradient gas flow [with summary in English] P. N. Romanenko, V. N. Khurchenko. Inzh.-fiz. zhur. 6 no. 11 9-13 N '63.

GAS HEATING

(see also subdivision under Moscow)

Kitchen combination I. Vsevolodov Zvezda no. 7 145 Jl '62.

GAS INDUSTRY see subdivision under Uzbekistan

GAS PIPES—WELDING

Automatic welding of gas pipes. G. Kshondzer. Zhil.-kom. khoz. 11 no. 12 30-31 D '61.

GAS TURBINE DISKS

Thermal fatigue of nozzle blades of gas turbines under almost operating conditions. N. S. Mozharovskii. Izv. vys. ucheb. zav., mashinosti. no. 7:73-75 '63.

GAS TURBINES

Calculation of the optimum temperature of the exhaust gases of steam and gas systems with high-pressure steam generators. V. A. Ponizov. Izv. vys. ucheb zav. energ. 6 no. 6:57-65 Je '63.

Conference on Gas Turbines, held in Leningrad. N. P. Stul'nikov. Vest AN SSSR 33 no. 10 114-115 O '63.

Lisetskii, N. L. [High-power gas turbines] Gazovye turbiny bol'shoi moshchnosti Pod red. L. A. Shubenko-Shubina Moskva, Mashgiz, 1963. 69 p.

[MICROFILM]

GAS WELDING AND CUTTING

Gas-flame straightening of metal structures. M. M. Fish kis. Mashinostroitel' no. 11:32-34 N '63.

Kagan, V. N., and V. I. Shchukin. [Gas welding and cutting in construction] Gazovaia svarka i rezka v stroitel'stve. Moskva, Gosstroizdat, 1963. 113 p.

Production of pure carbon dioxide for welding purposes T. F. Pimenova Khol. tekh. 10 no. 5 39-42 S-O '61

Using Stavropol' natural gas for cutting off riser heads from steel castings. N. Z. Sementsov. Svar. proizv. no. 10 37 O '63.

GAS WELDING AND CUTTING—EQUIPMENT AND SUPPLIES

Gas cutting units. I. V. Petrov, V. A. Antonov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10 21-24 '63.

Injector-type propane-butane-oxygen GZU-1-62 and GZU-1-62 torches. V. D. Nechaev. Svar. proizv. no. 10 42-44 O '63.

GAS WELLS

Displacement of gas with an elastic fluid in an elastic layer K. N. Dzhalilov, M. A. Gadzhiev, IA. R. Rustamov Dokl. AN Azerb. SSR 18 no. 12 37-40 '62

GASEOUS PLASMA see Plasma (Ionized gases)

GASES

Effect of the physicochemical properties of entrapped gases on the impregnation of porous bodies B. V. Deriagin, M. A. Al'tshuler. Dokl. AN SSSR 152 no. 4. 911-914 O '63.

GASES—ABSORPTION

Diffusion of a gas absorbed in a medium of variable density. N. P. Martin Geomag. i aer. 3 no. 4:647-656 Jl-Ag '63.

GASES—ANALYSIS

Chromatographic determination of hydrogen in binary mixtures of gases. B. V. Eroffev, L. S. Kravchuk. Dokl. AN BSSR 7 no. 4 247-250 Ap '63.

GASES—DRYING

Study of the viscosity of aqueous solutions of LiCl, LiBr, and $CaCl_2$ suitable for the conditions of drying of gases. S. A. Bogatykh, I. D. Evnovich. Zhur. prikl. khim. 36 no. 8,1867-1868 Ag '63.

GASES—ELECTRIC PROPERTIES

Electrical strength of some gases at increased pressures. A. M. Zalesskii, A. I. Poltev. Elektrichestvo no. 11:57-61 N '63.

GASES—LIQUEFACTION

Thermodynamic analysis of processes of the liquefaction of gases [with summary in English]. V. M. Brodianskii, I. P. Ishkin. Inzh.-fiz. zhur. 6 no. 10:19-26 O '63.

GASES—PHYSIOLOGICAL EFFECT

Temperature and motility of the rumen in hungry animals after the injection of gases. S. IU. Iaroslav and others Visnyk sil'hosp. nauky 6 no. 4 113-114 Ap '63

GASES—PURIFICATION

Using high-pressure centrifugal ventilator for the purification of gas. E. M. TSatska, V. S. Gerasimov, G. A. Makarova. Gidroliz. i lesokhim. prom. 14 no. 8:12-15 '61.

GASES IN METALS

Degassing aluminum alloys by hexachloroethane. M. V. Sharov, O. I. Nikishaeva. Alium. splavy no. 1 129-136 '63.

Effect of gases on the structure and the graphitization of cast iron. V. P. Migal' Metalloved. i term. obr. met. no. 11 35-36 N '63.

Effect of hydrogen and oxygen on the mechanical properties and the structure of a 11 titanium alloy. A. M. Akimova. Fiz. met. i metalloved. 12 no. 6,891-899 D '61.

Industrial application of ultrasonic waves for the degassing of aluminum alloys. G. I. Eskin, V. I. Slotin. Alium. splavy no. 1 139-149 '63.

GASES IN THE BLOOD see Blood, Gases in

GASHOLDERS

Steel, water-sealed gasholder with extralow pressure. V. A. Borshchagin. Prom. stroi. 41 no. 10 39-41 O '63.

GASOLINE

Certain problems of the economics of the production of automobile gasolines G. A. Terent'ev, IU S Sabadash Khim. i tekhnol. i masel 8 no. 10 29-34 O '63.

Polychlorination of the pentane-pentane fraction of shale-oil gasoline [in Estonian with summary in English]. H. Rang. Izv. AN Est. SSR Ser. fiz.-mat. i tekh. nauk 12 no. 3 307-311 '63.

Refined low-octane gasolines as raw material for the production of lower olefins. T. N. Mukhina, V. B. Pavlova. Neftekhimiia 1 no. 3:382-385 My-Je '61

GASOLINE—ANALYSIS

Individual composition of gasoline from crude oil of the Novo-Elkhovsk field of the Tatar A.S.S.R. M. N. Teleshova, A. A. Vasil'eva, V. I. Semkin. Khim. i tekh. topl. i masel 8 no. 10:14-16 O '61

GASTRIC JUICE

Enzymatic activity of the intestinal juice of dogs in parenteral administration of aloe extract. I. I. Chicalo, V. P. Solov'eva. Uch. zap. UEIGB 5,250-257 '62.

GASTROINTESTINAL MOTILITY

Change in some functions of the gastrointestinal tract in children's diseases. V. I. Chistiakova, T. N. Malinovskaia. Trudy mol. nauch. sotr. MONIKI no. 1:95-100 '59.

Motor activity of the small intestine in peritonitis and during the administration of some drugs. V. S. Sofronov. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:21-26 '61.

GAUGES

Selecting types and sizes of caliper gauges. G. L. Levin. Standartizatsiia 27 no. 3,3-9 Ag '63.

GAZLI REGION—GAS, NATURAL

At the source of a great gas stream. Igor' Ustimenko. Nar. khoz. Uzb. 5 no. 10:54-59 O '63.

GEAR CUTTING

Burshtein, L. E. [High-production methods of gear chamfering] Vysokoproizvoditel'nye metody zubofrezerovaniia. Moskva, Mashgiz, 1963. 173 p.

Machining end teeth of couplings using gear shaping techniques. A. P. Kalinin, A. N. Kashaeva. Stan. i instr. 34 no. 9:33 S '63.

Milling radial grooves and segments on a gear-milling machine. S. IA. Barabolia, V. F. Smirnov. Stan. i instr. 34 no. 8,31-32 S '63.

Securing tooth profile precision in shaving gear wheels. F. A. Mironov. Stan. i instr. 34 no. 10:40-41 O '63.

GEARING

Electromechanical speed variator with a wide regulation range. A. A. Nikitin. Teor. mash. i mekh. no. 92/93: 5-16 '62.

Hardening of large pinion gears by high-frequency currents. A. G. Shekhtman. Khim. mashinostr. no. 3:39-40 My-Je '63.

Making sprocket teeth for chain gear by hot knurling. M. V. Barbarich, L. P. Rychkov. Kuz.-shtam. proizv. 5 no. 9:5-9 S '63.

Mal'tsev, V. F. [Impulsive speed variators] Impul'sivnye variatory. Izd. 2., ispr. i dop. Moskva, Mashgiz, 1963. 278 p.

Synthesis of a lever-gear mechanism with stops. A. S. Shashkin. Teor. mash. i mekh. no. 94/95:88-110 '63.

Three-dimensional equimetric gear transmission with a variable angle of gear-wheel axes. E. P. Soldatkin. Teor. mash. i mekh. no. 92/93:111-127 '62.

Undulating gears. M. N. Ivanov, S. A. Shuvalov, A. K. Artanov. Izv. vys. ucheb. zav.; mashinostr. no. 8:53-59 '63.

GEARING—TESTING

Rapid testing of gears. I. P. Ivanov. Izv. vys. ucheb. zav.; mashinostr. no. 8:46-52 '63.

GEARING, BEVEL

Investigation of the engagement of bevel gears with normally reduced curved teeth. F. L. Litvin, Kuo K'ai. Teor. mash. i mekh. no. 92/93,28-47 '62.

Realization of coaxiality conditions in the synthesis of coaxial bevel gears. T. P. Filadel'fov. Izv. vys. ucheb. zav., mashinostr. no. 7,28-30 '63.

GEARING, SPIRAL

Calculating the dimension by rollers for helical gears with an uneven number of teeth. N. T. Khalebskii. Vest. mashinostr. 43 no. 10,18-19 O '63.

Elements of the geometrical theory of spiroid gears. A. K. Georgiev. Izv. vys. ucheb. zav., mashinostr. no. 8 37-45 '63

Simple calculation of the dimension by rollers for helical involute gears with an uneven number of teeth. I. P. Nezhurin. Vest. mashinostr. 43 no. 10 19-21 O '63.

GEARING, SPUR

Calculations for checking cylindrical spur gears with rollers. P. M. Danilyuk. Vest. mashinostr. 43 no. 10 21-23 O '63.

Dulling of longitudinal edges of tooth heads and their effect on the overlapping of spur gears. A. I. Kornaliev. Izv. vys. ucheb. zav.; mashinostr. no. 8 85-92 '63.

GEARING, WORM

Methods for increasing the precision of the assembly of controlled dividing worm gears. Sh. I. Pachkhadze. Stan. i instr. 34 no. 9 14-16 S '63.

GEESE—FEEDING AND FEEDS

Comparative evaluation of the pasture and pastureless methods of keeping goslings. G. V. Bezrukova Sbor. rab. mol. uch. VNIIP no. 4:15-22 '62.

Using antibiotics in rations for fattening geese. M. I. Lotenkov. Sbor. rab. mol. uch. VNIIP no. 4:148-154 '62

GEESE—PARASITES see Parasites—Geese

GELATIN—DRYING

Changes occurring in the qualitative indices of gelatin during drying. L. V. Volonova, V. V. Kochetygova. Sbor. stud. rab. MTIMMP no. 7,20-22 '62.

GENERATIVE ORGANS

Some biochemical displacements in the generative and endocrine organs occurring during removal of the cerebrum. S. K. Karapetian, M. B. Nazarian Dokl. AN Arm. SSR 36 no. 4 237-242 '63.

GENERATIVE ORGANS—FISHES

Determination of the developmental state of gonads in common carp and crucian carp hybrids. V. H. Tomilenko. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14 108-109 '62.

GENERATIVE ORGANS, FEMALE

Some age-related characteristics of the histological structure of generative organs in cattle. G. G. Tiniakova, G. A. IArygina, L. A. Liadova. Sbor. stud. rab. MTIMMP no. 7 54-59 '62.

GENERATIVE ORGANS, FEMALE—TUBERCULOSIS

Tuberculosis of female genitalia. Z. Sh. Gilazutdinova, P. L. Vinnikov, M. V. Gubaidullina. Kaz. med. zhur. no. 2:22-25 Mr-Ap '63.

GENERATORS, ELECTRIC see Electric generators

GENETIC RESEARCH

Quantitative evaluation of the role of the "internal" and the "external" in the development. A. A. Neifakh. Prim. mat. metod. v biol. no. 2:73-77 '63.

GENOA ECONOMIC AND FINANCIAL CONFERENCE, 1922

IA. E. Rudzutak's report on the Genoa Conference. Submitted by G. A. Turkan. Ist. arkh. 8 no. 2:80-95 Mr-Ap '62.

GEOCHEMICAL PROSPECTING

Methods of studying the primary halo um and admixture elements in hydro G. E. Narvait and others. Vest. AN K no. 1 68-78 Ap '62

GEOCHEMISTRY

Correlation of rare-earth elements and their distribution in cerium and cerit minerals. L. S. Borodin. Trudy IMC '61.

GEODESY—ABSTRACTING AND INDEX

Methods of abstracting used in the "Int Bibliography." V. G. Boldov, O. B. St 18-19 '63.

GEOGRAPHERS see subdivision under

GEOGRAPHICAL DISTRIBUTION OF AN PLANTS

Elton, C. S. [The ecology of invasions plants. Translated from the English] sheestvii zhivotnykh i rastenii. Pod re N. P. Naumova. Moskva, Izd-vo inos 226 p. illus. maps.
(VIU)

GEOGRAPHICAL NAMES see Names, Geographical

GEOGRAPHY
(see also subdivision under Siberia)

Discoveries. I. Inozemtsev. Nov. mir 39 no. 2:277-280 F '63.

In the Academic Council of the Geographical Faculty. L. I. Grishina. Vest. Mosk. un. Ser. 5 Geog. 18 no. 5 84 S-O '63.

GEOGRAPHY—ABSTRACTS

[Geography] Ref. zhur.: Geog no. 11 N '63.

GEOGRAPHY—BIBLIOGRAPHY see Bibliography—Geography

GEOGRAPHY—DICTIONARIES see subdivision under Kazakhstan

GEOGRAPHY—STUDY AND TEACHING
(see also subdivision under France)

Brief news Geog. v shkole 26 no. 5,85-89 S-O '63

Coordination of school courses of mathematics and geography. N. V. Malakhov. Mat. v shkole no. 5 40-42 S-O '63.

Development of the cognitive activity and independence of students in geography classes A. P. Dvurechenskaia Geog. v shkole 26 no. 5 40-46 S-O '63

Editor's mail Geog. v shkole 26 no. 5,62-65 S-O '63

Geographical dictations as a means of arousing the cognitive activity of students. V. A. Korinskaia. Geog. v shkole 26 no. 5 46-50 S-O '63.

"Geography as a school subject" by P. G. Kochergin. Published in the "Uchenye zapiski of the Kursk Pedagogical Institute," 1963, Vol. 16. Reviewed by N. N. Baranskii. Vest. Mosk. un. Ser. 5 Geog. 18 no. 5 88 S-O '63.

In the school of high mastery P. P. Chuchulin Geog. v shkole 26 no. 5 53-59 S-O '63

Linking the teaching of arithmetic and geography in the 5th grade. O. Z. Zikrin. Mat. v shkole no. 5:42-41 S-O '63.

Linking the teaching of mathematics and geography in the 8th grade. E. I. Apraksina, IA. P. Shebalin. Mat. v shkole no. 5 44-46 S-O '63.

On active participation of students during the geography classes in the schools for working youth N. A. Kol'chenko Geog. v shkole 26 no. 5 50-52 S-O '63.

Train the active builders of communism. Vest. Mosk. un. Ser. 5: Geog. 18 no. 5,3-6 S-O '63.

What can a geography course contribute to the aesthetic training of students G. P. Bogolavlenskii Geog. v shkole 26 no. 5:33-10 S-O '63.

Zonal'noe sovoshchanie predstavitelei kafedr geografii pedagogicheskikh institutov Sibiri. 1st. [Ways to improve professional training in geography of the students of the natural history and geography department of pedagogical institutes] Puti uluchsheniia professional'noi podgotovki po geografii studentov estestvenno-geograficheskogo fakul'teta pedagogicheskikh institutov, trudy. Novosibirsk, Novosibirskii gos. pedagog. in-t, 1960, 104 p.

GEOGRAPHY, ECONOMIC
(see also subdivision 'Economic geography' under British Columbia; Imeretiya; Iraq; Racha-Lechkhumi, Siberia; Siberia, Eastern; Soviet Far East)

Abroad. Geog. v shkole 26 no. 5,78-84 S-O '63.

"Historico-geographical introduction to the economic geography of foreign countries" by I. A. Vitver. Reviewed by M. S. Rozin. Vest. Mosk. un. Ser. 5: Geog. 18 no. 5:85-86 S-O '63.

In the Soviet Union. Geog. v shkole 26 no. 5:70-77 S-O '63.

GEOGRAPHY, POLITICAL

"Historico-geographical introduction to the economic

GEOLOGY see subdivision under Belgorod Province, Caucasus, Caucasus, Northern, Kama Valley, Kazakhstan, Leninogorsk region, Lithuania, Sayan Mountains, Siberian Platform, Sudoma Upland, Turkmenistan, Voronezh Province

GEOLOGY—ABSTRACTS

[Geology] Ref. zhur.: Geol. no 11 N '63

GEOLOGY—BIBLIOGRAPHY see Bibliography—Geology

GEOLOGY—CONGRESSES

Akademiia nauk SSSR. Natsional'nyi komitet geologov. [Problems of geology at the 21st session of the International Geological Congress] Problemy geologii na sessii Mezhdunarodnogo geologicheskogo kongressa Moskva, Izd-vo Akad. nauk SSSR, 1963. 446 p.

GEOLOGY, STRATIGRAPHIC
(see also subdivision under Aral Sea region, Azov Sea region, Caucasus, Estonia, Fergana, Kurile Islands, Russian Platform, Soviet Central Asia, Taymyr Peninsula, Tien Shan, Transcarpathia, Turukhan Valley)

[Stratigraphy of the U.S.S.R. in fourteen volumes, Lower Pre-Cambrian] Stratigrafiia SSSR v chetyrnadtsati tomakh. Nizhnii Dokembrii. Glavnyi redaktor D.V. Nalivkin. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geologii i okhrane nedr.
Pt 1
[Asiatic part of the U.S.S.R.] Aziatskaia chast' SSSR Otvetstvennyi redaktor toma S.V. Obruchev. 1963. 396 p.

GEOLOGY, STRUCTURAL
(see also subdivision under Altai Mountain region, Asia; Crimea; Dnieper Valley, Far East, Kara-Mazar Mountains, Queen Maud Land, Russian Platform, Sayan Mountain region, Siberian Platform, Transbaikalia, Ural Mountains)

Characteristics and types of shear zones. B.IA. Khoreva. Trudy VSEGEI 85 53-61 '63.

Facies and formation series and their relationship with island arcs. I.B. Rukhin. Uch. zap. LGU no. 310:32-54 '64.

Geologic and metallogenic development of crustal mobile belts. G.S. Labazin. Trudy VSEGEI 85:35-51 '63.

Geological and geophysical characteristics of the arch uplift regions. B.A. Andreev. Trudy VSEGEI 85 101-108 '63.

Lev Borisovich Rukhin's works on tectonics. Uch. zap. LGU no. 310:27-31 '62.

Marginal troughs of median massifs. IU.IA. Gromov. Trudy VSEGEI 85 91-100 '63.

On the so-called "periglacial" phenomena. I.S. Shchukin. Vest. Mosk. un. Ser. 5 Geog. 18 no. 5 7-23 S-O '63.

Orogenic cycles. V.I. Dzhanelidze. Soob. AN Gruz. SSR 30 no. 5 601-606 My '63.

Principal hypotheses of tectogenesis and their contradictions. V.P. Nekhoroshev. Trudy VSEGEI 85:7-25 '63.

Russia (1923- U.S.S.R.) Gosudarstvennyi geologicheskii komitet. [Problems of magmatism, metamorphism, and ore formation] Voprosy magmatizma, metamorfizma i rudoobrazovaniia. Moskva, Gosgeoltekhizdat, 1963. 214 p.

GEOLOGY, STRUCTURAL—CLASSIFICATION

Scale of crustal structures. O.M. Borisov, L.N. Lordkipanidze. Uzb. geol. zhur. 7 no. 3:19-24 '63.

GEOLOGY, STRUCTURAL—TERMINOLOGY

Tectonic terminology. V.P. Nekhoroshev. Trudy VSEGEI 85:27-34 '63.

GEOMETRICAL DRAWING—INSTRUCTION

Khaskin, A.M., S.A. Voevodskii, and Z.IA. Krasnits. [Drawing course for technical correspondence schools] Kurs cherchenila dlia zaochnykh tekhnikumov. Kiev, Gostekhizdat USSR
Pt 1 1963 271 p.

GEOMETRICAL OPTICS see Optics, Geometrical

GEOMETRY

Parameters. A.L. Ostrovskii. Mat. v shkole no. 5:23-25 S-O '63.

Parametrization and its use in geometry. N.F. Chetverukhin, L.A. IAtskevich. Mat. v shkole no. 5:15-23 S-O '63.

GEOMETRY—STUDY AND TEACHING

A new student's textbook. B.A. Altukhov, A.P. Gromov. Mat. v shkole no. 5 38-40 S-O '63.

GEOMETRY, DESCRIPTIVE

[Erusalimskii, A.M. [Descriptive geometry] Nachertatel'naia geometriia. Pod red. N.N. Ivanova. 2.izd., pererab. s prilozheniem sbornika uprazhnenii. [Ariaslavl'] Rosvuzizdat, 1963. 247 p.

——— Ivanov, N.N., I.S. Khramova. [Exercises in descriptive geometry] Sbornik uprazhnenii po nachertatel'noi geometrii. 55 p.

Mapping of a space onto a plane by means of a cubic circle. Z.A. Skopets, U.M. Asekritov. Izv. vys. ucheb. zav.; mat. no. 5:113-115 '63.

GEOMETRY, DIFFERENTIAL—PROJECTIVE

Projective differential geometry of a family of multidimensional planes. Part 2. S.E. Kamenetian. Izv. AN Arm. SSR, Ser. fiz.-mat. nauk. 16 no. 5 3-22 '63.

GEOMETRY, NON-EUCLIDEAN

Constructions in a Lobachevskii plane with a straightedge and orthogonal compass. A.F. Semenovich. Izv. vys. ucheb. zav., mat. no. 5 101-104 '63.

Solvability conditions for second-degree construction problems on a Lobachevskii plane using a straightedge alone. M.I. Grushevich. Izv. vys. ucheb. zav.; mat. no. 5:30-38 '63.

Unitary semielliptic spaces. T.M. Klimanova. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekh. nauk no. 3:21-29 '63.

GEOMORPHOLOGY
(see also subdivision under Bud Coast, Antarctica)

"Fundamentals of the geomorphology of sea coasts" by O.K. Leont'ev. Reviewed by V.I. Lymarev. Vest. Mosk. un. Ser. 5 Geog. 18 no. 5 86-87 S-O '63.

GEOPHYSICAL RESEARCH
(see also subdivision under Antarctic regions)

Information from the Soviet Union, international scientific life. Abroad. Geofiz. biul. no. 10 56-78 '61.

Projects for future international cooperation in studying the earth. V.V. Belousov. Geofiz. biul. no. 10 18-22 '61.

GEOPHYSICAL SOCIETIES

Membership of the Interdepartmental Geophysical Committee under the Presidium of the Academy of Sciences of the U.S.S.R. Geofiz. biul. no. 10 9-17 '61.

Officers of the International Union of Geodesy and Geophysics and of the associations between 1960 and 1963. Geofiz. biul. no. 10 32-33 '61.

Regulations and bylaws of the International Union of Geodesy and Geophysics. Geofiz. biul. no. 10 23-31 '61.

Soviet Geophysical Committee. Geofiz. biul. no. 10:3-8 '61.

GEOPHYSICS

The assault upon the depths of the earth. D. Bilenkin. Nauka i zhizn' no. 2 19-21 F '62.

Geological and geophysical characteristics of the arch uplift regions. B.A. Andreev. Trudy VSEGEI 85 101-108 '63.

[Interaction of the sciences in the study of the earth] Vzaimodeistvie nauk pri izuchenii Zemli. Moskva, Izd-vo Akad. nauk SSSR, 1963. 323 p.

GEOPHYSICS—ABSTRACTS

[Geophysics] Ref. zhur.: Geofiz. no. 11 N '63.

GEOPHYSICS—BIBLIOGRAPHY see Bibliography—Geophysics

GEOPHYSICS—RESEARCH see subdivision under Moscow

GEORGETOWN, BRITISH GUIANA—STRIKES AND LOCKOUTS

"The strike in Georgetown" is a lie of the capitalist press. George Camp. Vsem. prof. dvizh. no. 10:10-16 O '63.

GEORGIA—BLASTING

First Republic Conference on Boring and Blasting held in Tiflis. G.A. Berishvili, V.D. Gabidzashvili. Gor. zhur. no. 10:73 O '63.

GEORGIA—CLIMATE

Basic characteristics of the climate of the free atmosphere over the Georgian S.S.R. I.F. Kvaratskhelifa. Trudy Tbil. NIGMI no. 10:26-70 '62.

Circulation factors of the climate in Georgia. E.A. Napetvaridze. Trudy Tbil. NIGMI no. 10:10-24 '62.

Radiation factors of the climate in Georgia. IA.A. TSutskiridze. Trudy Tbil. NIGMI no. 10:71-88 '62.

GEORGIA—CLOTHING INDUSTRY

The clothing industry of Georgia during the last forty year period. M.G. Sal'nikov. Shvein. prom. no. 3 5-6 Je-Jl [i.e. My-Je] '61.

GEORGIA—CONGLOMERATE

Conglomerates from the crystalline shale formation of the Dzirula massif. I.I. Khmaladze. Soob. AN Gruz. SSR 30 no. 5 607-610 My '63.

GEORGIA—CROPS AND CLIMATE

Some agroclimatic indicators of basic farm crops in Georgia. Sh.I. TSertsvadze, I.S. Zaporozhskii. Trudy Tbil. NIGMI no. 10:89-100 '62.

GEORGIA—GERMAN LANGUAGE—STUDY AND TEACHING

Aspects of exercises in German vocabulary in grade 5 of the Georgian secondary school [in Georgian with summary in Russian]. TS.N. Bichinashvili. Trudy Tbil. GU 101:225-248 '62.

GEORGIA—HISTORY

"Revolutionary work of Georgian publicists in the 1860's" based on new archival materials" [in Georgian] by P.I. Ratiani. Reviewed by Z.L. Shvelidze. Vop. ist. 38 no. 10 142-144 O '63.

GEORGIA—HYDROMETEOROLOGY

Development of hydrometeorological service and science in the 10 years of Soviet Georgia. G.P. Lezhava, V.F. Lominadze. Trudy Tbil. NIGMI no. 10:3-9 '62.

GEORGIA—INSECT POPULATIONS

Kobakhidze, D.N. [Structural characteristics of insect communities of some natural zones of the Georgian S.S.R.] Strukturnye osobennosti entomokompleksov nekotorykh landshaftnykh zon Gruzinskoi SSR. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 90 p.

GEORGIA—INSECTICIDES

Nature of the action of a combined mixture of petroleum oil and thiophos. G.V. Gegenava, L.T. Otkhmezuri. Soob. AN Gruz. SSR 30 no. 5 637-644 My '63.

GEORGIA—MERCANTILE BUILDINGS

Cooperative mercantile buildings. P. Potakhidmsili, A. Sharoian. Sov. torg. 36 no. 8:44-47 Ag '63.

GEORGIA—MILLET

Change in the amount of proteins and starch in the grain of Italian millet under the influence of agroclimatic background and zonality. O.T. Kobuladze. Soob. AN Gruz. SSR 30 no. 5 573-578 My '63.

GEORGIA—PLANT INTRODUCTION

Introduction of subtropical plants of northwestern Caucasus into eastern and western Georgia, plant introduction resources of the Tapa Shan. A.V. Vasil'ev. Trudy Sukh. bot. sada no. 14 3-26 '62.

GEORGIA—PRECIPITATION (METEOROLOGY)

Heavy precipitation in eastern Georgia and meteorological conditions of their origin. K.I. Papinashvili. Trudy Tbil. NIGMI no. 10:101-112 '62.

GEORGIA—RIVERS

Annual distribution of the runoff of Georgian rivers. G.N. Khmaladze. Trudy Tbil. NIGMI no. 10:121-165 '62.

Short-range forecastings of the water discharge of Georgian rivers. V.I. Poklepa. Trudy Tbil. NIGMI no. 10:191-200 '62.

Some characteristics of heat and ice conditions of the mountain rivers in Georgia. V.Sh. Germanishvili. Trudy Tbil. NIGMI no. 10:165-181 '62.

GEORGIA—ROAD CONSTRUCTION

Characteristics of black pavement construction under various climatic conditions in the Georgian S.S.R. Z.S. Bitskinashvili. Avt. dor. 26 no. 10:13 O '63.

GEORGIA—SOLAR RADIATION

Radiation factors of the climate in Georgia. IA.A. TSutskiridze. Trudy Tbil. NIGMI no. 10:71-88 '62.

GEORGIA IN LITERATURE

Georgian theme in the works of Carlo Goldoni. N.K. Orlovskaia. Trudy Tbil. GU 101:81-95 '62.

GEORGIAN ART see Art, Georgian

GEORGIAN LANGUAGE—DICTIONARIES—RUSSIAN

Giorgidze, G.G., and G.A. Kartozia. [Dictionary of library terms] Slovar' bibliotechnykh terminov. Tbilisi, Akad. nauk Gruzinskoi SSR, 1962. 202 p.
(MH)

GERANIUMS

Morphology of the gynoecium and the fruit of geranium. N.N. Kaden, V.P. Lunovaia. Nauch. dokl. vys. shkoly, biol. nauki no. 4:104-109 '63.

GERASIM MASARRA, Metropolitan of Beirut, 1859-1936

Gerasim Masarra, Metropolitan of Beirut. Archimandrite Aleksii. Zhur. Mosk. Patr. no. 8 36-40 Ag '63.

GERHARDSEN, EINAR HENRY, 1897-

Einar Henry Gerhardsen. Munenori Akagi. Nov. vrem. 21 no. 43:31 O '63.

GERIATRICS

Akademiia meditsinskikh nauk SSSR. Moscow. Institut gerontologii i eksperimental'noi patologii. [Mechanisms of aging] Mekhanizmy starenia. Kiev, Gos. med. izd-vo USSR, 1963. 499 p.
(DNLM)

GERMAN, WEST—ECONOMIC CONDITIONS

The economic "miracle" faded. K. Bzaev. Mezhdunar. zhizn' 10 no. 12 127-130 D '63.

GERMAN ART see Art, German

GERMAN DEMOCRATIC REPUBLIC see Germany, East

GERMAN FEDERAL REPUBLIC see Germany, West

GERMAN LANGUAGE—AUXILIARY VERBS

Auxiliary verbs in German [in Georgian with summary in Russian]. V. V Purtseladze. Trudy Tbil. GU 101 5-41 '62.

GERMAN LANGUAGE—GRAMMAR

Communicative parts of complex sentences expressing causal relations in modern German. O. D. Boev. Uch. zap. MGPIIIA 27 114-156 '63.

Verbal combinations with the accusative case having no object in modern German. Z. G. Burdina. Uch. zap. MGPIIIA 27 157-187 '63.

GERMAN LANGUAGE—INTERJECTIONS

Interjections as a means of expressing the emotional and volitional functions of language; based on the German language. V. G Kosov. Uch. zap. MGPIIIA 27:188-212 '63.

GERMAN LANGUAGE—STUDY AND TEACHING see subdivision under Georgia

GERMAN LANGUAGE—STYLE

Description of functional styles; based on the German language. E. F. Tarasov. Uch. zap. MGPIIIA 27:295-307 '63.

Standards in language and style; based on the German language. L. N. Dzekirevskaia. Uch. zap. MGPIIIA 27 272-294 '63.

GERMAN LANGUAGE—SYNTAX

Basic patterns of the simple and complex sentence; descriptive syntax of the works of T Müntzer. V. M Andriiushchenko. Uch. zap. MGPIIIA 27 63-113 '63.

Communicative parts of complex sentences expressing causal relations in modern German. O. D. Boev. Uch. zap. MGPIIIA 27:114-156 '63.

GERMAN LITERATURE—HISTORY AND CRITICISM

Discussion on socialist realism in the press of the German Democratic Republic, 1945-1960. S V. Rozhnovskii. Vest. Mosk. un. Ser. 7. Filol., zhur. 18 no. 5 59-71 S-O '63.

Philosophical roots of early German romanticism [in Georgian with summary in Russian]. G. Khavtasi Trudy Tbil GU 101 5-41 '62.

GERMAN REUNIFICATION QUESTION (1949-)

Germany (Democratic Republic, 1949) Ministerium fur Auswärtige Angelegenheiten. [White book on the aggressive policy of the Federal Republic of Germany. Translated from the German] Belaia kniga ob agressivnoi politike pravitel'stva Federativnoi Respubliki Germanii. Moskva, Gos. izd-vo politicheskoi lit-ry, 1959. 230 p. (W-UU)

GERMANIC TRIBES see subdivision under Balkan Peninsula

GERMANIUM

Conditions of formation of epitaxial germanium films. G. A Kurov. Fiz. tver. tela 5 no. 10 3041-3043 O '63.

Dissolution of germanium in some ternary semiconducting compounds. N. A. Gorlunova, V. I Sokolova, I Shan Bin-li [Chiang Ping-hsi]. Dokl. AN SSSR 152 no. 2:363-366 S '63.

Effective cross section of electron capture by negative ions in germanium. A. D. Beliaev, V. G. Malogolovets. Fiz. tver. tela 5 no. 10 4043-4046 O '63.

Physical properties of germanium surfaces in nitric acid solutions of different concentration. P. P. Konorov, O. V. Romanov. Fiz. tver. tela 5 no. 10 3039-3041 O '63.

Structure of and recombination on a thermally oxidized germanium surface. R. IA. Berlaga and others. Fiz. tver. tela 5 no. 10:2990-2996 O '63.

Tensoresistance of polycrystalline germanium films. V. S Shadrin, A. F. Gorodetskii. Fiz. tver. tela 5 no. 10 3030-3031 O '63.

GERMANIUM—ANALYSIS

Investigating the association of germanium with an organic mass of coal. A. A. Khanamirova. Trudy IGI 21 88-98 '63.

GERMANIUM—ELECTRIC PROPERTIES

Electroconductivity and Hall effect at low temperatures in germanium alloyed with zinc. V. I. Sidorov. Fiz. tver. tela 5 no. 10:3006-3010 O '63.

GERMANIUM—PHOTOELECTRIC PROPERTIES

Photodielectric effect in alloyed germanium. IA. A. Ossman, V N. Smirnov, IU. V. Shmartsev. Fiz. tver. tela 5 no. 10 2885-2889 O '63.

GERMANIUM ALLOYS

Concentration dependence of the segregation coefficient of some group III and V impurities in germanium. V. I. Korol'kov, V. N. Romanenko. Fiz. tver. tela 5 no. 10 2908-2913 O '63.

Nernst-Ettingshausen effect in heavily alloyed n-type germanium. L. I. Domaneskaia and others. Fiz. tver. tela 5 no. 10:3046-3048 O '63.

GERMANIUM COMPOUNDS

Compounds of germanium with 8-hydroxyquinoline. N. P. Rudenko, L. V. Kovtun. Trudy Kom. anal. khim. 14 209-217 '63.

GERMANIUM CRYSTALS —GROWTH

Effect of alloying on the rate of growth of epitaxial germanium films. A N. Stepanova, E. I. Givargizov Fiz. tver. tela 5 no. 10 3034-3035 O '63.

GERMANIUM-SILICON ALLOYS

Growing single crystals of germanium-silicon alloys by the method of vertical zone recrystallization N. V Zhimskaia, Z I Kiselashvina, V. A Maslov Kristallografiia 8 no 3 437-439 My-Je '63.

GERMANIUM TELLURIDE—ELECTRIC PROPERTIES

Nature of current carriers in GeTe. N. V. Kolomoets, L. IA. Lev, L. M Sysoeva. Fiz. tver. tela 5 no. 10 2871-2876 O '63.

GERMANY—COLONIES

"Fascist ideology of colonialism and the Second World War [in German] by Horst Kühne Reviewed by O. I Kokorin. Nar. Az i Afr no. 5 192-195 '63.

GERMANY—HISTORY

History of the revolutionary struggle of the German proletariat. A. A. Galkin Nov. i noveish. ist. no. 5 159-161 '63.

How Russia supported the German liberation movement, December 1812-May 1813 [with summary in English, p. 169]. V. G. Vlaskin. Nov. i noveish. ist no. 5 69-82 '63.

"Near-contemporary history of Germany, 1917-1962" [in French] by G. Badia. Reviewed by D. A. Kunina, E. L. Rabkin. Nov. i noveish. ist. no. 5 148-152 '63.

Participation of Russian military units in the liberation of Germany from the yoke of Napoleon. Nov. i noveish. ist no. 5.83-92 '63.

"Revolutionary crisis of 1923 in Germany and the Hamburg uprising" by D. S. Davidovich. Reviewed by A. S. Erusalimskii. Nov. i noveish. ist. no. 5 137-140 '63.

GERMANY—LABOR AND LABORING CLASSES

Akademiia nauk SSSR. Institut istorii. [The German labor movement in recent times] Germanskoe rabochee dvizhenie v noveishee vremia, sbornik statei i materialov Moskva, Izd-vo Akad. nauk SSSR, 1962. 312 p.
(NNC)

Discussing the "Outline history of the German labor movement," A. B. Chernov. Nov. i noveish. ist no. 5 183-184 '63.

History of the revolutionary struggle of the German proletariat. A. A. Galkin. Nov. i noveish. ist. no. 5 159-161 '63.

GERMANY—PRINTING INDUSTRY

Some forms of early capitalist relations in the German printing industry from the second half of the 15th to the middle of the 16th century. V. L. IAstrebitskaia. Sred. veka no 24 199-216 '63.

GERMANY—RELATIONS (GENERAL) WITH RUSSIA

Scientific and cultural contacts of the U. S. S. R. with the Weimar Republic [with summary in English, p. 221]. Guenter Rosenfeld. Vop. ist. 38 no. 10 71-83 O '63.

GERMANY—SLAVIC STUDIES

Scholarly research of a group for the study of German relations with the Slavs. A. I. Rogov. Vop. ist. 38 no. 10 157-158 O '63.

GERMANY—SOCIALIST PARTY

From revisionism to treason. A. Butov, B. Dubson. Mir. ekon. i mezhdunar otn no. 10 148-150 '63.

GERMANY, EAST—ARCHITECTURE

Development of socialist architecture in the German Democratic Republic. N. A. Samoilova. Izv. ASIA no. 1:63-74 '61.

GERMANY, EAST—BAPTISTS

Congress of Baptists of the German Democratic Republic in Leipzig. A. V. Karev, A. I. Mitskevich. Brat. vest. no. 4:15-17 '63.

GERMANY, EAST—BIBLIOGRAPHY

[New literature on the German Democratic Republic] Nov. lit. po Ger. Dem. Resp. nos. 7-9 '63.

GERMANY, EAST—COURTS

Judicial system of the German Democratic Republic serves the building of socialism. IU. Urlias. Sov. iust. no. 19:24-26 O '63.

GERMANY, EAST—DIVING, SUBMARINE—COMPETITIONS

Fourth International. Voen. znan. 39 no. 10:35 O '63.

GERMANY, EAST—ECONOMIC CONDITIONS

Along the way of peace and progress; 14th anniversary of the German Democratic Republic. Franz Kral. Agitator no. 18, 23-25 S '63.

Geography of the foreign economic relations of the German Democratic Republic. A. A. Zaaukhin. Geog. v shkole 26 no. 5.18-23 S-O '63.

The German Democratic Republic is gaining strength and developing V. Ivanova. Vneshn. torg. 43 no 10 6-7 '63.

GERMANY, EAST—ECONOMICS—STUDY AND TEACHING

Economic training of engineers in the German Democratic Republic. I. M Raumov Vest. vys. shkoly 21 no. 10 85-86 O '63.

GERMANY, EAST—EDUCATION, COOPERATIVE

Training through work. L. Ivanova Nar. obr no 10 109-111 O '63

GERMANY, EAST—FOREIGN ECONOMIC RELATIONS

Geography of the foreign economic relations of the German Democratic Republic A. A Zaaukhin. Geog. v shkole 26 no 5 18-23 S-O '63

GERMANY, EAST—HISTORICAL RESEARCH

East German students of the Middle Ages study the uprisings of the 14th century in European cities V. D. Liublinskaia. Sred. veka no. 24 259-268 '63

GERMANY, EAST—MOTION PICTURES, DOCUMENTARY

Document of an era. Mysteistvo 10 no. 1 8-9 Ja-Fe '63.

GERMANY, EAST—NAVY

Military collaboration between navies of socialist countries is getting stronger. N. N. Ivashnev, A. G. Kozlov. Mor. sbor. 46 no. 7 26-33 Jl '63.

GERMANY, EAST—POLITICS AND GOVERNMENT

Along the way of peace and progress; 14th anniversary of the German Democratic Republic. Franz Kral. Agitator no. 18, 23-25 S '63.

GERMANY, EAST—POULTRY PLANTS

Gorizontova, E. A [Processing of poultry in the enterprises of the German Democratic Republic] Pererabotka ptitsy na predprilatiiakh GDR Moskva, TsINTIpishchprom, 1963 13 p.
[MICROFILM]

GERMANY, EAST—RAILROADS

Development of railroad transportation in the German Democratic Republic. F Kramer. Zhel. dor. transp. 45 no. 10 85-88 O '63.

GERMANY, EAST—STANDARDIZATION

Development of standardization in the German Democratic Republic. M A Palei. Standartizatsiia 27 no. 8.56-59 Ag '63.

GERMANY, EAST—STEEL—HEAT TREATMENT

Salt mixtures used in Czechoslovakia and the German Democratic Republic for the heat treatment of steel products. Abstracted by E. A. Smolnikov, L. M. Sarmanova. Metalloved. i term. obr. met. no. 11.56-57 N '63.

GERMANY, EAST—TELEVISION BROADCASTING

Herald of progressive ideas. Heinz Adamek Sov radio i tel. 11 no 6-36-37 Je '62.

GERMANY, WEST—ARREST

Kidnappers. Ku i Wedekind Nov. vrem 21 no. 45-31 N '63.

GERMANY, WEST—AUTOMOBILE INDUSTRY

Experiments with "people's capitalism." N. Vasil'ev. Kommunist 40 no. 17:125-127 N '63.

Manufacture of motor vehicles by the Opel Company. M. A. Klementiev. Avt. prom. 29 no. 8 43-44 Ag '63.

GERMANY, WEST—BYZANTINE STUDIES

"Discoveries" of a West German scholar. A. P. Kazhdan. Vop. ist. 38 no. 10 196-197 O '63.

GERMANY, WEST—CAPITALISM

Experiments with "people's capitalism." N. Vasil'ev. Kommunist 40 no. 17:125-127 N '63.

GERMANY, WEST—CHEMICAL INDUSTRIES

A comeback in the world markets. A. Dedov. Mir. ekon. i mezhdunar. otn. no. 10.107-114 '63.

GERMANY, WEST—COOPERATIVE SOCIETIES

Under the heel of monopolies. N. Murashov. Sov. potreb. koop. 7 no. 8 56-58 Ag '63.

GERMANY, WEST—DEFENSES

Black Reichswehr threatens... S. Tarov. Sov. voin 45 no. 21:46 N '63.

GERMANY, WEST—DISTILLATION, FRACTIONAL—EQUIPMENT AND SUPPLIES

Unit for the rectification of tall oil. O. A. Andreeva, M. P. Kulygin. Gidroliz. i lesokhim. prom. 16 no. 7: 31-32 '63.

GERMANY, WEST—ELECTRIC POWER DISTRIBUTION

Voltage step-up in municipal power distribution networks, a survey of foreign literature. L. M. Finger. Elektrichestvo no. 11 76-79 N '63.

722-705 O - 64 - 15

GERMANY, WEST—[illegible] RELATIONS

[illegible]

GERMANY, WEST—GAS CHROMATOGRAPHY—COMPARATIVE

[illegible]

GERMANY, WEST—GUIDED MISSILES

Foreign military press. Voen vest 41 no 1 122-123 Ja 62

GERMANY, WEST—HISTORIOGRAPHY

[illegible] in the European War [illegible] in West Germany. [illegible] V Vorontsov. Nov i sovr 3 no.10 142-149 O '63

GERMANY, WEST—HOSPITALS—FINANCE

Financial crisis in the hospitals of the Federal Republic of Germany. E N Lakhova. Zdrav Pos Feder. 7 no 10 36-39 O '63.

GERMANY, WEST—LABOR AND LABORING CLASSES

What is the situation of foreign workers in the German Federal Republic. V Vorontsov. Profizdat 7 [illegible] '63

GERMANY, WEST—MILITARY POLICY

Germany (Democratic Republic, 1949) Ministerium fur Auswartige Angelegenheiten. [White book on the aggressive policy of the Federal Republic of Germany. Translated from the German] Belaia kniga ob agressivnoi politike pravitel'stva Federativnoi Respubliki Germanii. Moskva, Gos. izd-vo politicheskoi lit-ry, 1959. 230 p (WiU)

GERMANY, WEST—POLITICS AND GOVERNMENT

Who is Bonn obliging. V. Grigor'ev. Nov vrem 21 no 47 10-12 O '63

Germany (Democratic Republic, 1949) Ministerium fur Auswartige Angelegenheiten. [White book on the aggressive policy of the Federal Republic of Germany. Translated from the German] Belaia kniga ob agressivnoi politike pravitel'stva Federativnoi Respubliki Germanii. Moskva, Gos. izd-vo politicheskoi lit-ry, 1959. 230 p (WiU)

GERMANY, WEST—PRESS

Influence of capital on the press in the Federal Republic of Germany. IU IA. Orlov. Vest. Mosk. un. Ser. 7. Filol., zhur. 18 no.5 72-83 S-O '63.

GERMANY, WEST—RELATIONS (GENERAL) WITH INDIA

[illegible] of West German penetration into India. A. S. Arzetian. Nov ist. 38 no.10 190-191 O '63.

GERMANY, WEST—RUSSIAN STUDIES

We should show the true face of the reactionary "Ostforschung." I. G. Zuev. Nov i noveish ist no.5 161 '63

GERMANY, WEST—TANKS (MILITARY SCIENCE)

Tank battalion in a meeting engagement (as revealed by data from the West German press). N. Nilov. Voen. vest 41 no 11 121-124 N '61

GERMANY, WEST—TRACTORS

The "Unimog" tractors. V.G Ryzhikova. Trakt. i sel'khozmash. 13 no 3 47 Mr '63.

GERMANY, WEST—TRUSTS, INDUSTRIAL

Increased power of the monopolies in the German Federal Republic. V. Alekseev. Mezhdunar. zhizn' 10 no.12 141-142 D '63.

GERMANY, WEST—TUNNELS

Automobile tunnel under the Kiel Canal. V G Mikul'skii. Transp. stroi. 12 no 3 57-59 Mr '62.

GERMANY, WEST—WAR—ECONOMIC ASPECTS

Military expenditures in the German Federal Republic. V Travnov. Mir ekon. i mezhdunar otn. no.10 120-122 '63

GERMINATION

Effect of methyl bromide on the germination of seeds as related to their moisture. V. F. Ratanova, G. A. Polchanirova, V. IA. Lobanov. Trudy VNIIZ no.44 37-46 '63.

GERSHUN, ANDREI ALEKSANDROVICH, 1903-

Andrei Aleksandrovich Gershun, on the occasion of his 60th birthday. G. M. Gorodinskii. Izv. vys. ucheb. zav., prib. 6 no.5 146-147 '63.

GHANA—ART

Remarks about the art of Ghana. A. Gransberg. Iskusstvo 26 no.10 55-57 '63.

GHANA—DESCRIPTION AND TRAVEL

Gagarin from Venchi. IUrii Kornilov. Ogonek 41 no.37: 14-15 S '63.

Meeting in Ghana. Lidiia Sukharevskaia. Isk. kino 33 no.7 130-131 '63.

GHANA—POLITICS AND GOVERNMENT

Unity, peace, neutrality policy. L. Khanga, Ov. Mchyan. Mezhdunar. zhizn' 10 no 12,130-133 D '63

GIBBERELLIC ACID

Effect of gibberellic acid on kidney beans treated with mitragin. V. P. Izrail'skii, A. S. Ryzhkova, L. I. Rozanova. Trudy Inst. mikrobiol. no.11 327-334 '61

Interaction of gibberellic acid and the derivatives of phenoxyacetic acid in flax plants. S. M. Mashtakov, A. P. Volynets. Dokl. AN BSSR 7 no. 4 266-269 Ap '63

GIBBERELLIN

Absorption and activity of gibberellin in soils. IU. A. Khudiakova, L. N. Zueva. Trudy Inst. mikrobiol. no.11 335-340 '61.

Chailakhian, M. Kh. [Story about plant gibberellins] Povest' o gibberellinakh rastenii. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauke, tekhnike. V Serila Sel'skoe khoziaistvo, no.17)

Effect of fertilizers on the effectiveness of gibberellin. G. B. Babaian, S. A. Karagulian. Trudy Inst. mikrobiol. no.11 346-350 '61.

Effect of gibberellin on the growth and yield of strawberries. L. B. Rybak. Visnyk sil'hosp. nauky 6 no.4 75-79 Ap '63.

Results of the investigation of the production and use of gibberellin. G. S. Muromtsev. Trudy Inst. mikrobiol. no.11 308-317 '61.

GIFT SHOPS see subdivision under Petrozavodsk

GINSENG

Symposium on Eleutherococcus and ginseng. M. A. Grinevich, N. I. Uvarova, A. M. IUdin. Izv. SO AN SSSR no. 8. Ser. biol.-med. nauk no. 2:139-141 '63.

GIRDERS see Beams and girders

GIRDERS, CONTINUOUS see Beams and girders, Continuous

GISSAR RANGE—PETROLEUM GEOLOGY

Conditions governing the formation of Lower Cretaceous red beds in the southwestern spurs of the Gissar Range and possibilities of the presence of oil producing rocks among them. N. N. Verzilin. Uch. zap. LGU no 310: 212-223 '62

GISSAR RANGE—ROCKS, SEDIMENTARY

Conditions governing the formation of Lower Cretaceous red beds in the southwestern spurs of the Gissar Range and possibilities of the presence of oil producing rocks among them. N. N. Verzilin. Uch. zap. LGU no 310: 212-223 '62

GISSAR RANGE—ROCKS, SEDIMENTARY—CLASSIFICATION

Classification of mixed sedimentary rocks. N. N. Verzilin. Uch. zap. LGU no. 310:123-133 '62.

GISSAR VALLEY—AGRICULTURE—ECONOMIC ASPECTS

Koveziuk, I. O. [Economic bases of the system of agricultural management on the collective farms of the Gissar Valley] Ekonomicheskie osnovy sistemy vedeniia sel'skogo khoziaistva v kolkhozakh Gissarskoi doliny. Dushanbe, 1963. 96 p. (Akademiia nauk Tadzhikskoi SSR. Otdel ekonomiki. Trudy, vol.12)

GISSAR VALLEY—COLLECTIVE FARMS—MANAGEMENT

Koveziuk, I. O. [Economic bases of the system of agricultural management on the collective farms of the Gissar Valley] Ekonomicheskie osnovy sistemy vedeniia sel'skogo khoziaistva v kolkhozakh Gissarskoi doliny. Dushanbe, 1963. 96 p. (Akademiia nauk Tadzhikskoi SSR. Otdel ekonomiki. Trudy, vol.12)

GLACIAL EPOCH—BIBLIOGRAPHY see Bibliography—Glacial epoch

GLACIERS see subdivision under Kirghiz Alatau; Kungey Alatau; Pamirs, Severnaya Zemlya; Tien Shan

GLACIOLOGY

Time relations of glacial stages and interstadials of Last Glaciation (according to C^{14} data). V. A. Zubakov. Dokl. AN SSSR 152 no. 4:841-844 O '63.

GLANDS, DUCTLESS see Endocrine glands

GLASS

(see also subdivision under Novgorod)

Glasses stable in alkaline solutions for chemical laboratory articles. S. K. Dubrovo, A. I. Shutpikov. Zhur. prikl. khim. 36 no. 8:1633-1637 Ag '63.

Softening points of some chalcogenide glasses. B. T. Kolomiets, V. P. Shilo. Stek. i ker. 20 no. 8:10-12 Ag '63.

Through the pages of foreign journals. Stek. i ker. 20 no. 8:44-47 Ag '63.

GLASS—TESTING

Measuring the brittleness of glass. L. N. Kopytov. Stek. i ker. 20 no. 8:8-10 Ag '63.

GLASS, COLORED

Glasses of the SiO_2 - CaO - [illegible] with rare earth oxides. Z. M. Syrkina [illegible] Stek. i ker. 20 no. 8:16-20 Ag '63.

GLASS CONTAINERS—CLEANING

Experience in the use of the "Belaia [illegible] for washing glass jars. I. V. Ilin [illegible] 18 no. 10:5-6 O '63.

GLASS FACTORIES

Glass sculpture. V. V. Zhuravskii, N. V. [illegible] Leb. prom. no. 3 54-55 Jl-S '63

GLASS FIBERS

Glass fibers and fields of their application. no. 3:92-93 Jl-S '63.

Some physical properties of continuous [illegible] G. D. Andreevskaia, T. A. Il'ina. [illegible] no. 8:15-18 Ag '63.

Work of M. V. Lomonosov in the field of [illegible] goods production from glass. V. I. [illegible] ucheb. zav., tekh. tekhnol. prom. no. 1:[illegible]

GLASS FURNACES

Improving the design of furnaces with [illegible] burg, A. IA. Rapoport. Stek. i ker. [illegible] '63.

Protecting the heels of tank furnaces [illegible] Ogneupory 28 no. 10 464-465 '63.

GLASS FURNACES—MAINTENANCE AND REPAIR

Experimental methods for lengthening the [illegible] furnaces. F. N. Tatiev. Leb. prom. [illegible] S '63.

GLASS MANUFACTURE

Instrument for measuring the [illegible] pulp flow. V. M. Kalinkin, N. V. Zolotar' [illegible] 20 no. 8:20-22 Ag '63.

GLASS-METAL SEALING

Metal oxide films on glass with uniform [illegible] resistance. O. V. Vorobieva, V. V. Vargin [illegible] i ker. 20 no. 8:13-15 Ag '63.

Temperature of formation and the structure [illegible] metal coatings on steel. E. A. Andreeva, [illegible] netsova. Zhur. prikl. khim. 36 no. [illegible]

GLASS PIPE see Pipe, Glass

GLASS REINFORCED PLASTICS

Freight car roof made from glass plastics [illegible] glass. A. A. Dudin, A. M. Sokov. [illegible] no. 207:82-93 '63.

Mooring fittings and towing equipment [illegible] fiberglass. S. I. Kozhukhalik, L. S. Ilin [illegible] Rumiantsev. Sudostroenie 29 no. [illegible]

Using plastic parts in shipbuilding and [illegible] P. M. Butlov. Sudostroenie 29 no. [illegible]

GLASS RESEARCH

Crystallization of photosensitive glasses [illegible] on the method of isolating the crystalline [illegible] N. M. Vaisfel'd, A. A. Gorbachev, I. M. [illegible] AN SSSR 152 no. 4:901-904 O '63.

Effect of the thermal treatment to which [illegible] glasses were subjected on the structure [illegible] glasses obtained from them. L. S. Il'in [illegible] prikl. khim. 36 no. 8:1650-1660 Ag '63.

GLASS WORKERS—DISEASES AND HYGIENE

Incidence of occupational diseases among [illegible] fiber glass factory. R. Sh. Samitova, N. N. [illegible] shchekov. Kaz. med. zhur. no. 1:83-85 Ja-F '63

GLAUCOMA

Elastotonometric examinations in [illegible] Shevalev, IA. E. Belovodskaia. Oft. [illegible] 86 '62.

State of the color field of vision in glaucoma [illegible] lokitenko. Uch. zap. ULIGB 5:61-69 '62

Use of the gonioscopic method in a study of [illegible] the angle of the camera oculi anterior in [illegible] Kirianova. Trudy mol. nauch. sotr. Mo[illegible] 70 '59.

GLAUCONITE

Aluminiferous analogues of glauconite. [illegible] Rent. min. syr. no. 2:52-63 '62.

GLUCOSIDASES

Muscle maltase in fishes. A. K. Andreev. [illegible] 152 no. 2:464-466 S '63.

GLAZES

Black andesite glaze. K. S. Kutateladze, I. [illegible] shvili, G. G. Gaprindashvili. Stek. i ker. [illegible] 30 Ag '63.

GLAZING—EQUIPMENT AND SUPPLIES

Rapid glazing of decorated faience articles. A. [illegible] M. Kh. Luchka, V. I. Lutianskyi. Leb. prom. [illegible] 23 Jl-S '63.

GLIDERS (AERONAUTICS)
[illegible] sailplanes, V. Zamiatin, Kryl. rod. 11 no. 11 [illegible] '63

GLIDING AND SOARING
(See also subdivision under Kaluga, Lithuania; Sumy Kharkov-Crimea)
[illegible] a glider to a designated point, A. Filiushin, Kryl. rod. 14 no. 10 17-18 O '63.
[illegible] realization of a dream, S. Anokhin, Kryl. rod. 14 [illegible] 12-13 N '63

GLIERE, REINHOLD MORITSEVICH, 1875-1956
Lectures, M. F. [Symphonic works by R. M. Gliere, symphonies, one-movement compositions, concertos] Simfonicheskie proizvedeniia R. M. Gliera, simfonii, odnochastnye sochineniia, kontserty. Spravochnik-putevoditel' Moskva, Sovetskii kompozitor, 1962. 111 p. (MH)

GLOBULIN
Globulins in the seeds of broad bean (Vicia faba L.) A. D. Petrushenkov. Trudy po khim. prirod. soed. no. 5 [illegible] '62.
Globulins in the seeds of the hyacinth bean (Dolichos Lablab L.). V. V. Safanova. Dokl. AN SSSR 152 no. 2 419-420 S '63.
Globulins in the seeds of vetchling. I. A. Vaintraub, A. D. Stepanova. Trudy po khim. prirod. soed. no. 5 10-52 '62
Separation of amino acids of the globulins in some pea varieties. I. A. Vaintraub. Trudy po khim. prirod. soed. no. 5 15-18 '62

GLUBOKOYE, LAKE (MOSCOW PROVINCE)—PROTOZOA
Plankton productivity in Lake Glubokoye, Report No. 3 Planktonic Protozoa. A. P. Sacherbakov. Trudy Gidrobiol. ova 13 13-24 '63.

GLUCOSE
Changes occurring in glucose under the action of aliphatic alcohols. A. G. Zabrodskii, V. A. Vitkovskaia. Trudy UNIISP no. 5 175-187 '59.
Crystallization processes in the production of glucose. N. V. Lobachev. Gidroliz. i lesokhim. prom. 14 no. 8 9-10 '61.
Economic effectiveness of the new method for manufacturing crystalline glucose. A. I. Kozlov, V. G. Tochilova. Gidroliz. i lesokhim. prom. 14 no. 8 25 '61

GLUE
Wood glue. A. M. Poliakova, O. V. Smirnova. Priroda 52 no. 9 111-112 '63.

GLUING
Preparation and application of glues while gluing structural elements. A. B. Gubenko, L. M. Kovalchuk, B. B. Petrunev. Stroi. mat. 9 no. 7 13-15 Jl '63.
Semiautomatic machine for gluing crosscut ends of small lumber. V. A. Birikov. Der. prom. 12 no. 8 14-14 Ag '63.
Using electric heating sheets for gluing in woodworking. I. M. Kovalchuk, A. M. Chistikov. Der. prom. 12 no. 7-8 Ag '63

GLUTATHIONE
Ascorbic acid and glutathione content in the organism of Musca domestica L. in different stages of oogenesis. V. P. Drobozina. Nauch. dokl. vys. shkoly, biol. nauki no. 4 32-42 '63

GLYCEROPHOSPHATE DEHYDROGENASE
Some properties of crystalline α-glycerophosphate dehydrogenase from rabbit muscles [with summary in English]. I. P. Martynenko. Ukr. biokhim. zhur. 31 no. 2 199-207 '62.

GLYCIDOL
Interaction of glycide ethers of phenols with organochlorosilanes. K. A. Andrianov, G. A. Kinakov, L. M. Khananashvili. Zhur. ob. khim. 33 no. 8 2631-2638 Ag '63.
Polymerization of aryl glycidol esters in the presence of metal halides. M. F. Sorokin, L. S. Mikhailova. Lakokras. mat. i ikh prim. no. 5:10-15 '63.
Polymers of glycide ethers. Report No. 1: Obtaining polymers of alkyl glycide ethers in the presence of basic catalysts. M. F. Sorokin, Z. A. Kochnova. Lakokras. mat. i ikh prim. no. 4:6-9 '62.
Polymers of glycide ethers. Report No. 5: Obtaining polymers of aryl glycide ethers in the presence of basic catalysts. M. F. Sorokin, L. G. Shode, L. S. Mikhailova. Lakokras. mat. i ikh prim. no. 4:10-14 '62.

GLYCOLIC ACID
Study of the precursors and fragments of antibiotics. Part 9: Carbonyl and tricarboxylic derivatives of thioglycolic acid. M. S. Rabinovich and others. Zhur. ob. khimii 33 no. 10:3135-3140 O '63.

GLYCOLS
Glycol ethers and their derivatives. Part 58: Synthesis of β-bromoethyl-γ-chloroalkyl ethers. Shamkhal Kamedov, A. S. Agaev. Zhur. ob. khim. 33 no. 10. 3166-3171 O '63.
Possibilities for obtaining higher glycols by liquid-phase oxidation of paraffin hydrocarbons. V. V. Kamzolkin, O. A. Bashkirov, S. A. Lodzik. Neftekhimiia 1 no. 3. 411-417 My-Je '61.
Radiation-chemical synthesis of ethylene glycol and formaldehyde from methanol. Kim Khon Sil, A. V. Zimin, V. V. Sharpatyi. Khim. prom. no. 7 502-505 Jl '63
Synthesis of cyclic hydrocarbons starting from acetylenic β-glycols. I. A. Favorskaia, Yu. M. Portnagin. Zhur. ob. khim. 33 no. 8 2702 Ag '63.
Synthesis of glycol esters of methacrylic acid. I. A. Arbuzova, I. I. Medvedeva, S. K. Zakharova. Zhur. prikl. khim. 36 no. 8 1834-1837 Ag '63.

GLYCOLYSIS
Studying glycolysis and the respiration of tissues as a method for estimating the energy metabolism during the development of the embryo. O. IU. Lukiitina. Sbor. rab. mol. nch. VNIIP no. 1 166-176 '62

GLYCOSIDES, CARDIAC see Cardiac glycosides

GLYCYRRHIZIC ACID
Glycyrrhizin content in licorice roots and rhizomes. I. P. Nadezhina. Bot. zhur. 18 no. 9 1332-1337 S '63.

GOA—POLITICS AND GOVERNMENT
Return of Rodrigos. N. Pastukhov. Ogonek 41 no. 38 23-24 Ag '63.

GOAT'S MILK
Anemia in children fed with goat's milk. I. V. Stepanova. Trudy mol. nauch. sots. MONIIP no. 1:123-127 '59.

GOBI—DESCRIPTION AND TRAVEL
In the Gobi Desert. A. Krivel'. Nov. vrem. 21 no. 11. 26-27 N '63.

GOGOL', NIKOLAI VASIL'EVICH, 1809-1852
Dokusov, A. M. [N. V. Gogol's St. Petersburg stories, a lecture] Peterburgskie povesti N. V. Gogolia, lektsiia. Leningrad, Leningradskii gos. pedagog in-t, 1962. 53 p. (MH)
Gogol', N. V. [The inspector general, a comedy in five acts] Revizor, komediia v piati deistviiakh. Moskva, Detgiz, 1963. 157 p. illus. (Shkol'naia biblioteka)
Japanese works devoted to the great authors of Russian literature, notes on Gogol'. V. E. Gluskina. Krat. soob. Inst. nar. Az. no. 61:108-111 '63.
Letters written by N. F. Pavlov to N. V. Gogol'; evaluation by these contemporaries of "selected passages from correspondence with friends." V. Vil'chinskii. Izv. AN SSSR. Ser. lit i iaz. 22 no. 5:428-431 S-O '63.
N. Gogol' and the artist Kapiton Pavlov. S. Raevskyi. Mystetstvo 10 no. 3:29-31 My-Je '63.

GOLD—ANALYSIS
Determination of gold in tungsten-based platings by means of variamine blue [with summary in English]. I. S. Mustafin, N. S. Tiumina, L. A. Agranovskaia. Zhur. anal. khim. 18 no. 9:1051-1058 S '63.

GOLD—METALLURGY
Vladimirova, M. G., and L. I. Grekhova. [Harmful substances and the control of their content in the air of gold recovery plants] Vrednye veshchestva i kontrol' soderzhaniia ikh v vozdukhe zolotoizvlekatel'nykh fabrik i zavodov. Moskva, Gosgortekhizdat, 1963. 43 p.

GOLD—SPECTRA
Gamma radiations from Au^{197m} and the β^+-spectrum of O^{15}. S. S. Vasil'ov, L. IA. Shavtvalov. Izv. AN SSSR. Ser. fiz. 27 no. 10:1261-1262 O '63.

GOLD MINES AND MINING see subdivision under Soviet Far East

GOLD ORES see subdivision under Transbaikalia; Uzbekistan; Vitim Plateau

GOL'DGAMMER, DMITRII ALEKSANDROVICH, 1860-1922
Scientific work of D. A. Gol'dgammer. E. A. Vebras. Ist. i metod. est. nauk no. 2 286-297 '63.

GOLDONI, CARLO, 1707-1793
Georgian theme in the works of Carlo Goldoni. N. K. Orlovskaia. Trudy Tbil. GU 101, 81-95 '62.

GOLDWATER, BARRY MORRIS, 1909-
Barry Goldwater, first among the "possessed." G. Shakhov. Mir. ekon. i mezhdunar. otn. no. 10:144-148 '63.

GOMEL'—INDUSTRIAL MANAGEMENT
Managers should be the educators of workers. V. Dvinov. Komm. Bel. 37 no. 10:44-47 O '63.

GOMEL'—KNIT GOODS INDUSTRY
Their skillful hands. A. M. Kaurydskaia. As told to Alena Vasilevich. Rab. i sial. 39 no. 9 4-5 S '63.

GOMEL'—MUNICIPAL SERVICES
Everything for mankind. M. V. Khrustalev. Zhil.-kom. khoz. 11 no. 12 4 D '61.

GOMEL'—RADIO CLUBS
Competitions of shortwave radio amateurs in Gomel'. N. Kozlov. Radio no. 10 7 O '63

GOMEL'—WORKING WOMEN'S CLUBS
They concern themselves with everything. N. Serdziukov. Rab. i sial. 39 no. 7:23 Jl '63.

GOMEL' DISTRICT—WOMEN—SOCIETIES AND CLUBS
Good start. M. Kachaev. Rab. i sial. 39 no. 9:12 S '63

GONIOSCOPY
Use of the gonioscopic method in a study of the state of the angle of the camera oculi anterior in glaucoma. I. I. Kitaenova. Trudy mol. nauch. sots. MONIIP no. 1 73-76 '59.

GORBATOV, BORIS LEONT'EVICH, 1908-1954
Boris Gorbatov's youth. S. Saveliev. Mol. Kommu. no. 10 73-76 O '63.

GORIANOV, FEDOR ALEKSEEVICH, 1913-
Professor F. A. Gorianov, on his 60th birthday. V. N. Arkhipov and others. Elektrichestvo no. 10 93 O '63.

GOR'KII, MAKSIM, 1868-1936
A. M. Gor'kii in the critic and West European literature of the 20th century. G. B. Okun'. Uch. zap. Tash. teatr.-khud. inst. no. 5 271-290 '62
[Literary legacy] Literaturnoe nasledstvo. Glav. redaktor I. I. Anisimov. Moskva, Izd-vo Akad. nauk SSSR. Vol. 70 [Gor'kii and Soviet writers, unpublished correspondence] Gor'kii i sovetskie pisateli, neizdannaia perepiska. 1963. 734 p.
Maksim Gor'kii's book debut according to unpublished materials. S. M. Bretburg. Kniga, issl. i mat. 8 431-467 '63.
The private libraries of three Russian writers (Lomonosov, Pushkin, M. Gor'kii). P. N. Berkov. Kniga, issl. i mat. 8 349-376 '63.

GORKIY—FIRES AND FIRE PREVENTION—INSPECTION
Instructor Platov. A. Tolkov. Pozh. delo 7 no. 7-8 Jl '61.

GORKIY—SHIPBUILDING
Two birthdays. Valerii Larin. Smena 40 no. 19-2 of cover, 1-2 O '63.

GORKIY PROVINCE—AUTOMATION—SOCIAL ASPECTS
Process of combining intellectual and physical work in production operations, using the example of Gorkiy Province industry. V. P. Zaitsev. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 4 14-26 Jl-Ag '63.

GORKIY PROVINCE—COLLECTIVE FARMS—MANAGEMENT
Ways to eliminate seasonal factors in the utilization of labor. V. Perdiakov. Ekon. sel'khoz. 34 no. 10 83-88 O '63.

GORKIY PROVINCE—LABOR AND LABORING CLASSES
Process of combining intellectual and physical work in production operations, using the example of Gorkiy Province industry. V. P. Zaitsev. Vest. Mosk. un. Ser. 8, Ekon., filos. 18 no. 4 13-26 Jl-Ag '63.

GORLOVKA—LEGAL AID
Public participation in the work of a legal aid center. O. Novykov, O. Korchatskyi. Rad. pravo no. 1:103-104 Jl-Ag '63.

GORYACHIY KLYUCH—BATHS, MEDICATED
Effect of hydrosulfide baths of the Goryachiy Klyuch Health Resort on the cardiovascular system of children suffering from rheumatism. K. I. Brikasso. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 4:313-316 Jl-Ag '62.

GORYANY—CHURCH DECORATION AND ORNAMENT
Frescoes of the Goryany rotunda. N. Znamenskaia. Iskusstvo 26 no. 6:71-72 '63.

GOVERNMENT OWNERSHIP see subdivision under Ceylon

GOVERNMENT SPENDING POLICY see subdivision under United States

GRADERS (EARTHMOVING MACHINERY)
The PDN-10N mounted grader. IU. Krikov, N. Moiseenko. Tekh. v sel'khoz. 23 no. 8:41-43 Ag '63.

GRAFTING
Using vegetative hybridization in the development of winter vetch varieties. N. V. Il'icheva. Nauch. trudy Vses. soi.-gen. inst. no. 5:94-98 '62.

GRAIN
(see also subdivision under Rostov Province)
Biochemical and technological characteristics of germinated grain. A. G. Zabrodskii, A. I. Polozhishnik. Trudy UNIISP no. 5:63-69 '59.
We are growing large crops of headed grain. K. N. Zolotykh. Zemledelie 25 no. 10:22-24 O '63.

GRAIN—ANALYSIS AND CHEMISTRY

[illegible] of determining grain moisture by the [illegible] Liberman, S.V. [illegible] VNIZ no. 44 17-8 '63

[illegible] determination of [illegible] grain products. [illegible] Trudy VNIZ no. 44 59-[illegible] '63.

Quality of grain [illegible] indices of various [illegible] B.F. Brekhova, G.I. Shlab, T.V. Egorova, [illegible] VNIZ no. 44 131-[illegible] '63.

GRAIN—CLEANING

[illegible] grain cleaning machines [illegible] VISHNOMA [illegible] '63.

[illegible] Ivanov, [illegible] Tekh. v sel'khoz. 23 no. 8 [illegible] Ag '63.

Grain cleaning [illegible] Ozorek 41 no. 5 [illegible] S '63

GRAIN—ECONOMIC ASPECTS

[illegible] Romanchenko, Ekon. [illegible] '63 no. 7 40-8 S '63

GRAIN—HARVESTING

Continuous methods for harvesting grain crops. I. Vlasov, Tekh. sel'khoz. 23 no. 8 8-13 Ag '63.

High-speed grain harvesting. S. Perstnev. Tekh. v sel'khoz. 23 no. 8 13-17 Ag '63.

GRAIN—TESTING

Determination of the moisture diffusion coefficient for grain materials [with summary in English] V.S. Gandurin, V.P. Dobrovol'skii. Inzh.-fiz. zhur. 6 no. 10 27-32 O '63

GRAIN—TRANSPORTATION

Improving grain transportation from combines to threshing floor. R. Likhodei, V. Serko. Avt. transp. 41 no. 8 16-17 Ag '63

GRAIN ELEVATORS—EQUIPMENT AND SUPPLIES

Standardization of machines and equipment for mills and grain elevators. V.F. Grach. Standartizatsiia 27 no. 10 8-10 O '63

GRAIN HANDLING

Cherkasskii, E. B., and B. V. Alekseev. [Utilization of stationary diesel engines at grain elevators and grain-receiving stations] Ekspluatatsiia statsionarnykh dizelei na elevatorakh i khlebopriemnykh punktakh. Pod red. I. L. Knipovich. Moskva, Zagotizdat, 1962. 102 p.

Improving the technology of postharvest processing of grain. G.S. Damin and others. Trudy VNIZ no. 44 3-15 '63.

GRAIN-HANDLING MACHINERY

Mechanization of the processing of newly harvested grain. V. Popov. Tekh. sel'khoz. 23 no. 8 17-25 Ag '63.

Some problems of the theory of blade type feeders with a horizontal axis of rotation. V.I. Borodai. Izv. vys. uchebn. zav., pishch. tekh. no. 4 98-107 '63

Universal screw loader. V. Ivanov. Tekh. v sel'khoz. 23 no. 8 66-8 Je '63

GRAIN MILLING MACHINERY

Analyzing the static characteristics of a roller machine with the purpose of selecting the optimal controlling effect on the rollers. E.I. Kaplina, A.R. Damidov, V.T. Pushkin. Trudy VNIZ no. 44 101-113 '63.

GRAMINEAE—DISEASES AND PESTS see subdivision Leningrad District

COMPARATIVE AND GENERAL—SYNTAX

[illegible] ies of the 19th and beginning of the 20th [illegible] the history of grammatical thought in [illegible] B. Popov. Uch. zap. MGPIIIA 27 44-62

[illegible] division under Balkhash Lake region, [illegible] mains)

[illegible] distribution functions of phosphorous concentrations in Switzerland, Guiana, and Equa- [illegible] B.T. Vistelius. Dokl. AN SSSR 152 [illegible] 93 O '63.

[illegible] characteristics of accessory zircon in granitoids [illegible] tech. Trudy IMGRE no. 15 136-151 '63.

ELECTRIC PROPERTIES

[illegible] electrokinetic properties of granite on the [illegible] ituments. A.V. Bernshtein, V.I. Barzam [illegible] ur. 29 no. 8 824-826 '63.

GRANITE-GNEISS see subdivision under Africa

GRANOSAN

Disinfecting seeds in a granosan suspension. V.F. Kubin. Nauch. trudy Vses. sel.-gen. inst. no. 5 162-163 '62

GRANOVSKII, TIMOFEI NIKOLAEVICH, 1813-1855

T.N. Granovskii's lectures on the history of the Middle Ages. Reviewed by L.I. Ivashin. Srednie veka no. 21 276-280 '63.

GRANULAR MATERIALS

Effect of the granulometric composition of catalyst on its regeneration rate. S.V. Adel'son, A.IA. Zaitova. Khim. i tekh. topl. i masel. 8 no. 9 20-23 S '63

GRANULATION

Performance of adhesion granulators for free-flowing substances. P.A. Vecherskii. Izv. vys. uchebn. zav., pishch. tekh. no. 1 108-115 '63.

GRAPE BREEDING see subdivision under Ukraine

GRAPES—PRESERVATION see subdivision under Rostov Province

GRAPHIC METHODS

Bubelev, E.G. [Conformal mapping of a Lobachevskii plane on a Euclidean strip and its application to the kinematics of relativistic particles] Primenenie konformnogo otobrazheniia ploskosti Lobachevskogo na evklidovu polosu k kinematike relativistskikh chastits. Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1963. 30 p., fold. diagrs. [Summary in English in insert]

Graphical correlation. N.P. Kulesh. Meteor. i gidrol. no. 10 51-53 O '63.

Superfluidity and excited states of spherical nuclei with odd atomic numbers. B.L. Birbrair. Izv. AN SSSR, Ser. fiz. 27 no. 10 1320-1337 O '63.

GRAPHITE

Polyatomic graphite molecules. M.S. Chupakhin, G.G. Glavin, L.T. Duev. Zhur. tekh. fiz. 33 no. 10 1281-1284 O '63.

GRASSES

(see also subdivision under Streletskoye Steppe Preserve, Uzbekistan)

Effect of the conditions of hardening on the frost resistance of forage grasses. G.A. Khalin. Bot. zhur. 48 no. 9 1385-1389 S '63.

Interrelations between the nodule bacteria of alfalfa and micro-organisms in the rhizosphere of perennial grasses. A. Klinchare. Trudy Inst. mikrobiol. no. 11. 202-210 '61.

GRAVE, DMITRII ALEKSANDROVICH, 1863-1930

Dmitrii Aleksandrovich Grave. I.B. Pogrebysskii. Mat. v shkole no. 5 72-74 S-O '63.

GRAVEL

Cemented gravel. V.K. Golovenok. Uch. zap. LGU no. 310:131-138 '62.

Cooling and heating of a layer of gravel. V.N. Filatkin. Khol. tekh. 40 no. 5 36-38 S-O '63

Use of arc screens for the classification of sand and gravel materials. IU.V. Bubis, V.M. Zon. Stroi. mat. 9 no. 7 11-13 Jl '63.

GRAVIMETER (GEOPHYSICAL INSTRUMENT)

Some improvements of the GAK-ZM gravimeter. M.E. Abel'skii. Razved. i prom. geofiz. no. 42. 72-76 '61

GRAVIMETRY

Determining the depth to the surface of perturbing masses by magnetic and gravitational observations. A.IA. Arosh. Geofiz. razved. no. 12 48-50 '63.

Methods of geological interpretation of gravity and magnetic surveys in a 1:200000 scale. D.P. Kasatkin. Geofiz. razved. no. 12 22-47 '63.

GRAVITATION

Algebraic integrals in the problem of the motion of a solid body in a Newtonian field of force. IU.A. Arkhangel'skii. Prikl. mat. i mekh. 27 no. 1:171-175 Ja-F '63.

A case of motion of a solid body about a fixed point in a Newtonian field of force. V.V. Beletskii. Prikl. mat. i mekh. 27 no. 1:175-178 Ja-F '63.

Classification of gravitational fields of general type by groups of motions. Part 5. V.R. Kaigorodov. Izv. vys. ucheb. zav.; mat. no. 5:51-55 '63.

Effect of random deviations from an optimal propulsion program on the motion of a body of variable mass with constant power consumption in a gravitational field. V.V. Tokarev. Prikl. mat. i mekh. 27 no. 1:27-32 Ja-F '63.

GRAVITY

(see also subdivision under Antarctic regions; Siberia)

Free fall of a material point in an artificial satellite cabin. A.I. Lur'e. Prikl. mat. i mekh. 27 no. 1:3-9 Ja-F '63.

GRAVITY PROSPECTING

Calculating the gravitational effect [illegible] continuation. K.V. Gradi [illegible] 62 '63.

Practice of using highly accurate [illegible] study primary diamond deposit [illegible] trappean formations. N.N. Romanov [illegible] Razved. i prom. geofiz. no. [illegible]

GREAT BRITAIN—AIR CONDITIONING

Heating, ventilation, and air conditioning [illegible] Biul. stroi. tekh. 20 no. 8 16-18 Ag '63.

GREAT BRITAIN—AUTOMATIC CONTROLMENT AND SUPPLIES

Contact devices and auxiliary equipment [illegible] no. 3 91 Jl-S '63

GREAT BRITAIN—BOARDING SCHOOLS

Types of boarding schools in England [illegible] Shkola i int. no. 5 68-[illegible] S-O '63

GREAT BRITAIN—BOOKSELLERS AND [illegible]

Readers' comments [illegible] prom. dar'kove [illegible] viem. 21 no. 11:3 O '63.

GREAT BRITAIN—CITY PLANNING

Akademiia stroitel'stva i arkhitektury [illegible] nyi institut naucheno informatsii po [illegible] tektury. [City planning and transportation movement of traffic on the design of [illegible] the United States and England] Planirovka transport; vilianie transportnogo dvizh[illegible] rovku tsentral'nykh raionov SShA i An[illegible] Gosstroiizdat, 1963. 118 p. (Itogi [illegible] stroitel'stva, no. 7)

GREAT BRITAIN—COMMERCE—RUSSIA

British business circles support the [illegible] with the U.S.S.R. A. Kalinin. Mir [illegible] no. 12:136-137 D '63.

Our interviews. Sov. Soiuz no. 8 10 [illegible]

GREAT BRITAIN—COMMERCIAL ASSOCIATIONS

British business circles support the [illegible] with the U.S.S.R. A. Kalinin. Mir [illegible] no. 12:136-137 D '63.

GREAT BRITAIN—ELECTRIC RAILWAY [illegible]

Linear asynchronous engine for [illegible] Gutkin. Elek. i tepl. tiaga 7 no. 10 17 [illegible]

GREAT BRITAIN—ELECTRIC WELDING

Soviet electric welding devices at an [illegible] bition held in Great Britain. V.P. [illegible] tekhnika 34 no. 10:71 O '63.

GREAT BRITAIN—EXCAVATING MACHINERY

The "Merton" industrial tractor [illegible] Trakt. i sel'khozmash. 33 no. 7 40 [illegible]

GREAT BRITAIN—FOREIGN RELATIONS

Anglo-French confrontation in [illegible] Subbotin. Afr. i shor. no. 1:143-[illegible]

GREAT BRITAIN—FOREIGN RELATIONS

"Anglo-Russian relations and the problem [illegible] terranean region, 1798-1807" by A.M. [illegible] Reviewed by V.G. Strokin. Vop. [illegible] 151 O '63.

GREAT BRITAIN—FOREIGN RELATIONS

Abrogation of the Anglo-Japanese Alliance [illegible] Power Treaty, 1921. G.B. Navrotskii. [illegible] Inst. mar. Az. no. 04:75-80 '63.

GREAT BRITAIN—HEATING

Heating, ventilation, and air conditioning [illegible] Biul. stroi. tekh. 20 no. 8 16-18 Ag '63.

GREAT BRITAIN—HISTORY

"Mass emigration and the class struggle [illegible] 1845-1860" by N.A. Lapteev. Reviewed [illegible] rinova. Nov. i noveish. ist. no. 5 [illegible]

Political struggle in England against the [illegible] compulsory military service in 1939 [illegible] English, p. 222]. N.F. Mochal'skii. V[illegible] no. 10:95-103 O '63.

GREAT BRITAIN—INFORMATION SERVICE

Main trends of research in the field of [illegible] ice in Great Britain [abridged translation [illegible] German]. L. Wilson. NTI no. 7:34-38 [illegible]

GREAT BRITAIN—LABOR PARTY

What will be the policy of a Labor Party [illegible] R. Palm Datt. Mezhdunar. zhizn' 10 no. [illegible] '63.

GREAT BRITAIN—LOOMS

Automatic loom with a "stop-on-pick" mech[illegible] prom. no. 3 91 Jl-S '63.

GREAT BRITAIN—MAGNETOELECTRIC MACHINES

Electromagnetic brakes. Leh. prom. no 3 94 Jl-S '63

GREAT BRITAIN—MILITARY SERVICE, COMPULSORY

Political struggle in England against the introduction of compulsory military service in 1939 [with summary in English, p. 222]. N. P. Mochul'skii. Vop. ist. '38 no. 10, 95-103 O '63.

GREAT BRITAIN—POLITICS AND GOVERNMENT

Autumn storms in Britain. V Osipov. Nov. vrem. 21 no. 43, 5-7 O '63

The Tories in power M. Volkov. Mir. ekon i mezhdunar. otn. no 10 150-152 '63.

GREAT BRITAIN—PUMPING MACHINERY

New pumps for oiling. Leh. prom. no. 3 95 Jl-S '63

GREAT BRITAIN—SHAFT SINKING

Shaft sinking in Westoe, England. A. S. Belash, A. F. Kovalev, G. F. Linnik. Shakht. stroi. 7 no. 8 32 Ag '63.

GREAT BRITAIN—SPRINGS (MECHANISM)

Peculiarities of specialization in the manufacture of springs and spring fittings in England. E. M. Karlik. Kuz.-shtam. proizv. 5 no. 9:41-43 S '63.

GREAT BRITAIN—TEXTILE FABRICS—TESTING

Inspection stand for tubular fabrics. Leh. prom. no 3 95 Jl-S '63.

GREAT BRITAIN—TEXTILE MACHINERY

Machine for yarn damping. Leh. prom. no. 3, 90 Jl-S '63.

GREAT BRITAIN—TRACTORS

New "John Deere" tractors. A. G. Ryzhikova. Trakt. i sel'khozmash. 33 no. 8, 45-46 Ag '63.

GREAT BRITAIN—TRACTORS—TESTING

Testing a tractor cab of increased strength in England. M. K. Kopylov. Trakt. i sel'khozmash. 33 no. 3 46-47 Mr '63.

GREAT BRITAIN—VENTILATION

Heating, ventilation, and air conditioning in England. Biul. stroi. tekh. 20 no. 8 46-48 Ag '63.

GREAT BRITAIN—WAGES

Two new attempts to curb the wage increase. Brian Alsen. Vestn. prof. dvizh. no. 10:19-21 O '63.

GREAT RIFT VALLEY—HISTORY—SOURCES

Sources for the history of the social system of the peoples of the Great Rift Valley. A. S. Orlova. Afr. sbor. no. 1, 231-301 '63.

GREECE—FOREIGN RELATIONS—UNITED STATES

What did the transoceanic "benefactors" bring to Greece? V. Kondrat'ev. Otv na vop trud. no 1:37-44 Ja '63

GREECE—HISTORY

Anglo-American intervention and the suppression of the Greek democratic movement, 1946-1949 [with summary in English, p. 138]. K. Mikhailov. Nov. i noveish. ist. no. 5, 56-66 '63.

GREECE—POLITICAL PRISONERS

Word for my friends. Manolis Glezos. Ogonek 41 no. 33:8 Ag '63.

GREECE—RELATIONS (GENERAL) WITH BULGARIA

Against a falsification of relations between the Bulgarian and Greek peoples. G. L. Arsh. Vop. ist. 38 no. 10: 195-196 O '63.

GREECE—SLAVERY

Polybius' information on slavery in the third and second centuries B. C. A. I. Pavlovskaia. Vest. drev. ist. no. 3:95-106 '63.

Slaves and slavery in "Oeconomics" and "Memorabilia" by Xenophon. I. E. Surikov. Vest. drev. ist. no. 3 107-112 '63.

GREEK ART see Art, Greek

GREEK NEWSPAPERS

"Rizospastis," the central organ of the Communist Party of Greece, in the struggle against fascism and war from 1933 to 1936. S. D. Zorbalas. Vest. Mosk. un. Ser. 7: Filol., zhur. 18 no. 5:84-93 S-O '63.

GREEK SCULPTURE see Sculpture, Greek

GREEN TURTLE see subdivision under Kerch Strait

GREENHOUSES

New developments in the construction of greenhouses. I. M. Petrov. Gor. khoz. Mosk. 37 no. 7:42-45 Jl '63.

GREENHOUSES—HEATING AND VENTILATION

Electric heating of greenhouses with asphalt concrete blocks. V. Shalin, E. Reznik. Tekh. v sel'khoz. 23 no. 5, 35-36 Je '63.

Smirnov, V. I. [Installation and design of electrically heated greenhouses] Ustroistvo i raschet parnikov s elektricheskim obogrevom. Moskva, Otdel tekhn. informatsii VIESKha, 1956. 87 p. [MICROFILM]

GREENLING

(see also subdivision under Kurile Islands; Pacific Ocean)

Greenlings (Ilc agrammidae, Pisces) and their introduction into the northern seas of the U. S. S. R. [with summary in English]. I. S. Rass. Trudy Inst. okean. 59 191-203 '62.

GREEN'S FUNCTIONS

Analytical relationship between the mean value of a physical quantity in an external field and the corresponding quantity in temperature techniques. V. V. Slezov. Fiz. tver. tela 5 no. 10:2958-2962 O '63.

GRIGNARD REAGENTS

Thermal effects of the reaction of methyl- and ethyl magnesium bromide with some ketones. A. V. Tsulmats, E. O. Parts, L. R. Ploom. Zhur. ob. khim. 33 no. 10 3124-3126 O '63.

GRINDING AND POLISHING

Effect of grinding conditions on the surface layer quality of rolls for cold rolling. A. S. Venzhega, M. IA. Belkin. Vest. mashinostr. 43 no. 10 68-70 O '63.

Grinding three circular flats in the conic surface of draw-in chucks. V. G. IUshkov. Stan. i instr. 34 no. 9 32 S '63.

Honing of tractor engine bushings with bars made of synthetic diamond powder. I. E. Fragin. Stan. i instr. 34 no. 10 25-27 O '63.

Intensification of the processes of machining electroplated part surfaces. G. V. Lavrov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11: 93-96 '63.

Lapping small-diameter deep holes. V. N. Morozenko. Stan. i instr. 34 no. 9:24-25 S '63.

Optimum values for the radial feed of abrasive bars in honing. A. P. Babichev. Stan. i instr. 34 no. 10:27-28 O '63.

GRINDING MACHINES

(see also subdivision under Czechoslovakia; Novorossiysk)

Machine for grinding and polishing strips, bands and sheets. I. M. Chekov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10 43-45 '63.

Selecting nonmetallic grinding bodies for the ball mills used in the manufacture of paints. V. O. Solienko, V. F. Bellavskii, B. P. Kosmachevskii. Lakokras. mat. i ikh prim. no. 4, 59-62 '62.

The 6571 centerless circular-grinding machine. B. I. Cherpakov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 42-44 '63.

Visual active control of circular grinding machines. A. K. Kutai, F. P. Pekker. Mashinostroitel' no. 11 10-11 N '63.

GRINDING MACHINES—NUMERICAL CONTROL

Automatic control of a centerless grinding machine. Kh. IA. Finkel', B. I. Cherpakov, Z. S. Babadzhanian. Stan. i instr. 34 no. 10:23-25 O '63.

GRISEOFULVIN

Griseofulvin in the treatment of trichomycoses. T. T. Tadzhibaev. Vest. derm. i ven. 36 no. 10:76 O '62.

GROCERY TRADE see subdivision under Belogorsk

GROCERY TRADE—AUDITING AND INSPECTION see subdivision under Kovylkino District; Virgin Territory

GRODNO—TEXTILE INDUSTRY

It's good to be at the forefront! Iryna Uhal'nik. Rab. i sial. 39 no. 9:5-6 S '63.

GROUND BEETLES see subdivision under Virgin Territory

GROUPS, THEORY OF

Automorphic functions and the theory of representations. I. M. Gel'fand, I. I. Piatetskii-Shapiro. Trudy Mosk. mat. ob-va 12:389-412 '63.

Classification and canonic realization of complex homogeneous bounded regions. E. B. Vinberg, S. G. Gindikin, I. I. Piatetskii-Shapiro. Trudy Mosk. mat. ob-va 12: 359-388 '63.

Classification of gravitational fields of general type by groups of motions. Part 5. V. R. Kaigorodov. Izv. vys. ucheb. zav.; mat. no. 5:51-55 '63.

Classification of simple systems of curves on a double-loop surface of genus 2. H. Zieschang. Dokl. AN SSSR 152 no. 4:841-844 O '63.

Completeness of systems with external multiplication. M. M. Lesokhin. Izv. vys. ucheb. zav.; mat. no. 5:59-62 '63.

Finite groups with r-factorable subgroups. A. V. Romanovskii. Dokl. AN SSSR 152 no. 4 831-833 O '63

Infinite groups of Frobenius. IU. M. Gorchakov. Dokl. AN SSSR 152 no. 4 787-789 O '63

Integral representations of finite groups. S. D. Berman. Dokl. AN SSSR 152 no. 6 1286-1287 O '63.

Letter to the editor. F. A. Berezin. Trudy Mosk. mat. ob-va 12:453-466 '63.

Normal divisors of the multiplicative group of a body. A. I. Likhtman. Dokl. AN SSSR 152 no. 4:812-815 O '63

Order of the element of a group of integral matrices. D. A. Suprunenko. Dokl. AN BSSR 7 no. 4 221-223 Ap '63.

Polyidentical relations in groups and the determinable operations on a class of all groups. O. N. Golovin. Trudy Mosk. mat. ob-va 12 413-435 '63.

The quasi-nonpetitional nature of relay-contact networks [with summary in English]. P. Kilanko. Izv. Akad. Est. SSR Ser. fiz.-mat. i tekh. nauk 12 no. 3 244-262 '63

Ring groups and the duality principle. G. I. Kats. Trudy Mosk. mat. ob-va 12 259-301 '63.

Solvable subgroups of a multiplicative group of a locally finite algebra. A. E. Zalesskii. Dokl. AN BSSR 7 no. 4 228-229 Ap '63

Special functions related to representations of class 1 of groups of motions of spaces of constant curvature. N. IA. Vilenkin. Trudy Mosk. mat. ob-va 12 185-257 '63.

Splittable locally finite groups. V. M. Busarkin, A. I. Starostin. Mat. sbor. 62 no. 3:275-294 N '63.

Stationary motions of affinely connected space. M. A. Ulanovskii. Mat. sbor. 62 no. 3 249-263 N '63.

Sylow p-subgroups of a complete linear group. R. T. Vol'vachev. Izv. AN SSSR, Ser. mat. 27 no. 5:1031-1054 S-O '63.

Theory of extensions in categories. Kh. N. Inasaridze. Soob. AN Gruz. SSR 30 no. 5:537-544 My '63.

Theory of linear representations of complex and real Lie groups. D. P. Zhelobenko. Trudy Mosk. mat. ob-va 12, 53-98 '63.

Unitary representations of solvable groups in spaces with indefinite metrics. M. A. Naimark. Izv. AN SSSR Ser. mat. 27 no. 5:1181-1196 S-O '63

Zeta function on a group of unitary matrices. L. D. Eskin. Dokl. AN SSSR 152 no. 6 1327-1328 O '63.

GROUTING

Fast method of determining the quality of plugging cement. V. A. Ermakova. TSement 29 no. 4:20 Jl-Ag '63.

Studying the properties of grouts. I. T. Altmatov. Izv. AN Kir. SSR, Ser. est. i tekh. nauk 4 no. 1:63-75 '63.

GROWTH

Effect of a limited decrease of the protein content in the food ration on the development of a growing organism. V. I. Chistiakova. Trudy mol. nauch. sots. MONIKI no. 1 120-122 '59.

GROWTH—BIBLIOGRAPHY see Bibliography—Growth

GROWTH PROMOTING SUBSTANCES

Effect of metabolites of some soil micro-organisms on the growth and development of plants. A. K. Panosian, Z. V. Marshavina, R. Sh. Arutiunian. Trudy Inst. mikrobiol. no. 11, 275-283 '61.

Effect of the metabolic products of Fusarium moniliforme on the germination of seeds and the growth of plants. M. Z. Shkliar. Trudy Inst. mikrobiol. no. 11 316-326 '61.

Formation of biologically active substances by the bacteria of wheat rhizosphere. V. T. Smalii. Trudy Inst. mikrobiol. no. 11:284-291 '61.

Petroleum growth promoting substance. G. A. Rzaev. Priroda 52 no. 9:97-98 '63.

Some data on the formation of biologically active substances in plants. A. L. Dragoli. Uch. zap. UEIGB 5 322-328 '62.

Stimulating mixtures and their effect on soil micro-organisms and plants. P. Kh. Rakhno. Trudy Inst. mikrobiol. no. 11, 48-55 '61.

Stimulation of plant growth by epiphytic microflora. IU. M. Voznisakovskaia. Trudy Inst. mikrobiol. no. 11 56-62 '61.

GROZNYY—CRACKING PROCESS

Levina, G. S. [Modern unit of the Groznyy Cracking Plant] Peredovaia ustanovka Groznenskogo krekingzavoda. Moskva, TsNIITEINeftegaz, 1963. 19 p.

GRUSHEVKA VALLEY—ROCKS—DENSITY

Some recent data on the density of sedimentary rocks in the southern outskirts of the Donets Basin. T. S. Lebedev, I. T. Sobakar. Dop. AN URSR no. 12 1601-1605 '61.

GUANABARA BAY—PIERS

Brief news from foreign countries. Mor. flot 23 no. 8: 43 Ag '63.

GUANIDINE

Continuous method of producing guanidine from urea. R. I. Spasskaia, S. N. Ivanovskii. Khim. prom. no. 7 489-491 Jl '63.

GUANIDONIUM COMPOUNDS

Complex diphenylguanidinium compounds of molybdenum with thioglycolic and thiomalic acids and their analytical application [with summary in English] V. I. Busev, G. P. Rudzit. Zhur. anal. khim. 18 no. 7 840-850 Jl '63.

GUIANA—PHOSPHORUS

Probability distribution functions of phosphorous concentration in granitoids in Switzerland, Guiana, and Equatorial Africa. B. I. Vasilenko. Dokl. AN SSSR 152 no. 6 1419-1422 O '63.

GUIANA, BRITISH see British Guiana

GUIDED MISSILE SHIPS

The rocket ship attacks. B. Volokhov, V. Khamov. Sov. voin. 43 no. 21 N '63.

GUIDED MISSILES

(see also subdivision under France, Germany, West)

Fight of tanks against antitank guided rocket missiles. Colonel Goldbach. Voen. vest. 43 no. 7 110-112 Jl '63.

Methods of combatting low-flying targets(as revealed by foreign press data) N. Sarkisov. Voen. vest. 42 no. 1 119-121 Ja '62.

GUIDED MISSILES—GUIDANCE SYSTEMS

Klupir, I. I. [Guidance of antiaircraft rockets] Navedenie na tsel' zenitnykh raket. Moskva, Voenizdat, 1963. 88 p. (Za voenno-tekhnicheskie znaniia)

GUILDS see subdivision under Stockholm

GUINEA—COMMERCE

Fil'sov, A. A. [The Republic of Guinea, its economy and foreign trade] Gvineiskaia Respublika, ekonomika i vneshniaia torgovlia. Moskva, Vneshtorgizdat, 1963. 46 p.

GUINEA—ECONOMIC CONDITIONS

Fil'sov, A. A. [The Republic of Guinea, its economy and foreign trade] Gvineiskaia Respublika, ekonomika i vneshniaia torgovlia. Moskva, Vneshtorgizdat, 1963. 46 p.

GUINEA—EDUCATION

Heads of Samori Toure. S. Volk. Semia i shkola 18 no. 11 28-29 N '63.

GUINEA—POLITICS AND GOVERNMENT

Governmental and legal system of the Republic of Guinea. V. A. Khomiakov. Sov. gos. i pravo 33 no. 10, 137-142 O '63.

GULF STREAM

"The Gulf Stream; a physical and dynamical description" [in English] by H. Stommel. A. O. Shpaikher. Okeanologiia 1 no. 3, 565-566 '61.

GULISTAN DISTRICT—AGRICULTURE

All hidden potentialities must be brought into action. A. Abdunabiev. Part. zhizn' [Uzb.] 6 no. 2 19-22 F '64.

GUMS AND RESINS

Apparatus for determining and automatically recording the hardening time of resins. V. V. Davydov, I. G. Gramkin, D. I. Zhukovin. Nauch. osob. KhD 18 192-196 '63.

GUMS AND RESINS, SYNTHETIC see Resins, Synthetic

GYMNASTICS

Execution technique and methods of training for the backward somersault starting from a forward lean and landing upright. A. D. Tulupov. Teor. i prak. fiz. kul't. 26 no. 1 34-37 Ja '63.

GYMNASTICS—JUDGING

Brykin, A. T., Iu. A. Ippolitov, and V. I. Kalognomos. [Preparation of judges for gymnastics events] Podgotovka sudei po gimnastike. Moskva, Izd-vo "Fizkul'tura i sport," 1963. 187 p.

GYMNASTICS, MEDICAL see Exercise therapy

GYMNOSPERMS

Greguss, Pal. [A guide to the wood analysis of gymnosperms based on microscopic data. Translated from the Hungarian] Opredelitel' drevesiny golosemennykh po mikroskopicheskim priznakam. [Moskva] Izd-vo Mosk. univ. 1963. 183 p. 7 diagrs. Insert.

GYMNOSPERMS, FOSSIL

[Fundamentals of paleontology; manual for paleontologists and geologists of the U. S. S. R. in 15 volumes] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v piatnadtsati tomakh. Glav. red. Iu. A. Orlov. Moskva, Izd-vo Akad. nauk SSSR.

[Vol. 15] [Gymnosperms and angiosperms] Golosemennye, pokrytosemennye. Pod red. V. A. Vakhrameeva, G. P. Radchenko, A. L. Takhtadzhiana. 1963. 742 p.

GYNECOLOGY

Moscow (Province) Oblastnoi nauchno-issledovatel'skii institut akusherstva i ginekologii [Authors' abstracts of scientific papers completed in 1961] Avtoreferaty nauchnykh rabot, vypolnennykh v 1961 g. Red. kollegiia O. D. Matsapurova i dr. Moskva, 1962. 118 p. [Cover title: Voprosy akusherstvo-ginekologicheskoi pomoshchi, no. 1]

(DNLM)

Reaction of the cardiovascular system in patients with chronic gynecological diseases to the action of the balneological factors of the Sergiyevskie Mineralnyye Vody. Health Resort. G. P. Kravchenko, A. V. Lavrina. Vop. kurortologii, fizioter. i lech. fiz. kultury. 27 no. 4 316-319 Jl-Ag '62.

GYNECOLOGY—PSYCHOSOMATIC ASPECTS

"Essays on gynecological psychiatry" by A. N. Molokhov. L. Mirer-Pzon. Zhur. nevr. i psikh. 64 no. 2 306-307 '64.

GYPSUM PRODUCTS

Gypsum perforated slabs for soundproofing premises. N. I. Simender, V. P. Shcheglova. Stroi. mat. 9 no. 7 33-34 Jl '63.

GYROCOMPASS

On a certain integral in the gyrocompass theory. V. N. Koshlyakov, V. T. Tashchenko. Prikl. mat. i mekh. 27 no. 1, 10-15 Ja-F '63.

Using gyrocompasses in channel dredging. Iu. Poleshchuk. Mor. flot 23 no. 8, 38 Ag '63.

GYROSCOPE

Motion of a free gyroscope in case of a uniform rotation of the base. N. V. Butenin, IA. L. Lunts. Izv. vys. ucheb. zav.; prib. 6 no. 5, 75-83 '63.

Motion of a freely hung gyroscope on a nonstationary support, allowing for the masses of the gimbal rings. L. A. Bunatian. Dokl. AN SSSR 151 no. 2 305-308 S '63.

GYROSCOPIC INSTRUMENTS

Investigating the effect of the maneuvering of an object on a gyropendulum equipped with corrections. M. M. Bogdanovich. Izv. vys. ucheb. zav., prib. 6 no. 5 69-71 '63.

HABIT

Physiological analysis of the formation of a lathe operator's working habits in school children [with summary in English]. Z. N. Braks, S. A. Kosilov. Zhur. vys. nerv. deiat. 13 no. 5 928-938 S-O '63.

HABITS OF ANIMALS see Animals, Habits and behavior of

HAFNIUM—ANALYSIS

Determination of zirconium and hafnium present together based on their catalytic action [with summary in English]. K. B. IAtsimirskii, L. P. Ratzman. Zhur. anal. khim. 18 no. 7 829-833 Jl '63.

HAFNIUM COMPOUNDS

Study of zirconium and hafnium complex formation with β-diketones by the partition method. V. M. Peshkova, N. V. Mel'chakova, Pen An. Trudy Kom. anal. khim. 14, 172-182 '63.

HAIL

Radar method for determining the seats of origin of hails. V. E. Ermov, V. P. Lapcheva, G. K. Sulakveidze. Meteor. i gidrol. no. 10, 10-11 O '63.

HAIR—DISEASES

Griseofulvin in the treatment of trichomycoses. T. T. Tadzhibaev. Vest. derm. i ven. 38 no. 10, 76 O '62.

HAIRDRESSING

Everybody should be beautiful. Sov. Soiuz no. 8, 44-46 '63.

How to make your own hairdo. P. Romanenko. Zhil.-kom. khoz. 11 no. 12, 35 D '61.

HALIDES

Infrared spectra of ester complexes with electron-accepting metal halides. Part 2. D. G. Bystrov. Zhur. struk. khim. 4 no. 5, 691-697 S-O '63.

Interaction of $SnBr_4$ with $AlBr_3$ and of $SbCl_3$ with $AlCl_3$ in nitrobenzene as solvent. E. IA. Gorenbein, V. V. Sukhan, I. L. Abalmasov, Ukr. khim. zhur. 29 no. 8 797-805 '63.

HALL EFFECT

Electroconductivity and Hall effect at low temperatures in germanium alloyed with zinc. V. I. Sidorov. Fiz. tver. tela 5 no. 10, 3008-3010 O '63.

Hall effect in indium antimonide in high pulsed magnetic fields. Kh. I. Amirkhanov, R. I. Bashirov, Z. A. Ismailov. Fiz. tver. tela 5 no. 10 2832-2834 O '63.

Savenko, V. G. [Application of the Hall effect in telecommunication] Primenenie effekta Kholla v tekhnike sviazi. Moskva, Sviaz'izdat, 1963. 112 p.

HALLUCINATIONS AND ILLUSIONS

Change in the morphological composition of "white" blood in acute alcoholic psychoses [with summary in English]. Iu. L. Shapiro, A. G. Gofman. Trudy Gos. nauch.-issl. inst. psikh. 36, 241-248 '63.

Characteristics of the course and psychopathology of acute alcoholic hallucinosis [with summary in English]. V. S. Bobrov. Trudy Gos. nauch.-issl. inst. psikh. 158-165 '63.

Clinical and physiological analysis of some forms of alcoholic hallucinoses [with summary in English]. I. O. Mutalova. Trudy Gos. nauch.-issl. inst. psikh. 18 189-195 '63.

Clinical variations of acute alcoholic hallucinoses [a summary, in English]. A. G. Gofman. Trudy Gos. nauch.-issl. inst. psikh. 18 166-175 '63.

Psychotherapeutic component in the treatment of alcoholic hallucinosis [with summary in English]. N. F. Kalinina. Trudy Gos. nauch.-issl. inst. psikh. [illegible] 114 '63.

HALOGEN ACIDS

Nucleophilic substitution of halogen for a nitro group in aromatic nitro compounds. Part 1. Interaction of nitro derivatives of benzene with halogen acids in phosphoryl chloride. G. M. Shutov and others. Zh. obshch. khim. 33 no. 10 3210-3211 O '63.

HALS, FRANS, 1584-1666

Roitenberg, O. O. [Hals] Gal's. Moskva, Iskusstvo, 1957. 60 p. [32] plates.

(MH)

HAMMER THROWING

The hammer is in orbit. G. Elenskii. Ogonek 41 no. 37, 28-29 S '63.

HAMMETT EQUATION

Hammett equation in the theory of tautomeric equilibria. Part 2. Tautomerism of α-arylsulfaminopyridines. Potentiometric study. T. A. Mastitskova and others. Zhur. obshch. khim. 33 no. 10 3328-3336 O '63.

Hammett equation in the theory of tautomeric equilibria. Part 2. Tautomerism of α-arylsulfaminopyridines. Spectrophotometric study. T. A. Mastitskova and others. Zhur. obshch. khim. 33 no. 10 3336-3342 O '63.

HAPPINESS

Who needs such happiness? Z. Apresian. Mol. kom. no. 10, 31-35 O '63.

HARBORS

(see also subdivision under Indonesia)

Conference on utilizing the industrial capacity of sea harbors and making apparent their hidden potentialities. Mor. flot 23 no. 8, 14-15 Ag '63.

Fuller use of the industrial capacity of sea harbors. Mor. flot 23 no. 8, 8 Ag '63.

The planning of sea harbor operations should meet the set objectives. V. Zimin, A. Popov, I. Chepulkalin. Mor. flot 23 no. 9, 11-13 S '63.

HARBORS—EQUIPMENT AND SUPPLIES

Present state of the means of mechanization and its maintenance by integrated brigades. L. Ogloblin. Mor. flot 23 no. 8, 13-14 Ag '63.

HARD FACING

Contact welding of rails with hard surfacing. A. M. Lebedev, N. B. Pavlov. Trudy TSNII MPS no. 252, 152-160 '63.

Electric impulse method of hard facing parts being reconditioned. V. R. Rozit. Transp. stroi. 12 no. 3, 30 Mr '62.

Hard facing of rails with surface hardening along the full length of the head. O. G. Tkachenko. Trudy TSNII MPS no. 260, 128-143 '63.

Investigating the parameters of electric discharges during hard facing with an electric arc. I. R. Pat'kevich. Avtom. svar. 16 no. 5, 55-61 My '63.

Numerical programmed control of machines for hard facing and making intricately shaped joints. V. A. Timchenko, G. P. Ivanov. Avtom. svar. 16 no. 5, 34-41 My '63.

HARD FACING—EQUIPMENT AND SUPPLIES

Increasing the durability of cable-tool drill bits by the method of hard facing with new wear-resistant KhGI alloys. M. S. Poliak, I. A. Sveshnikov. Nauch. trudy KHGI 11 101-103 '62.

Programmed control system of hard facing machines. O. P. Bondarenko, V. S. Gavrish. Avtom. svar. 16 no. 5, 43-48 My '63.

HARDBOARD

Delimov, A. L. [Economics and the production planning of wood-fiber and particle boards] Ekonomika i planirovanie proizvodstva drevesno-voloknistykh i struzhechnykh plit. Moskva, Goslesbumizdat, 1963. 146 p.

HARDNESS—TESTING

Devices for the measurement and control of hardness of intermediate and finished articles in automatic and line production. V. G. Ulegin. Avt. prom. 29 no. 8, 40 Ag '63.

HARMONIC ANALYSIS

Determination of the dispersity and microdislocations of crystal lattices based on data of harmonic analysis of the shape of radiograph lines. B. IA. Pines, L. IA. Surovtsev. Kristallografiia 8 no. 3, 489-493 My-Je '63.

HARMONIC ANALYSIS (Continued)

Use of the odology and accuracy of harmonic analysis of the shape of interference lines. R. V. Kovalenok, I. V. Sirushkov. Kristallografiia 8 no. 3 194-196 My-Je '63.

HARMONIC FUNCTIONS

Decrease of harmonic functions in a cylinder. I. S. Arsen'ev, M. A. Igilitskii. Dokl. AN SSSR 152 no. 4:775-778 O '63.

Simplified extensions of circular models for the solution of Laplace's equation in infinite regions. I. V. Nitsets-Pin. Mat. mod. i olek. tsepi no. 1 136-146 '63.

HARROWS

The LDP-10 and LOD-10 wide-range harrow plows. G. T. Miagkov. Trakt. i sel'khozmash. 33 no. 8 40-41 Ag '63.

HARVESTING

What the example of the beacons of harvesting teaches us. K. Mazin. Agitator no. 16:40-43 Ag '63.

HARVESTING MACHINERY

(see also subdivision under Russia, Northwestern, Siberia, Western)

KKP-1, 8 hemp harvester. G. Mirumian. Ekon. sel'khoz. 34 no. 10:71-73 O '63.

Machines for harvesting grain and pulse crops. S. Sachik. Tekh. v sel'khoz. 23 no. 6 76-81 Je '63.

Mechanized area for manufacturing drum knifes for a silage harvester. E. M. Dudetskii. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11:34-36 '63.

Two-phase windrowless method for harvesting peas. E. Raksha. Tekh. v sel'khoz. 23 no. 6 1-10 Je '63.

The ZIhRS-4, 9 high-speed windrow harvester. D. V. Ecchenenko. Trakt. i sel'khozmash. 33 no. 3 35 Mi '63.

HARVESTING MACHINERY—CONGRESSES

Fourth Congress on Grain Harvesting Machinery. M. A. Pustygin. Trakt. i sel'khozmash. 33 no. 7:14-17 Jl '63.

HARVESTING MACHINERY—TESTING

Investigating the performance of a reel at increased speeds. S. N. Porotnev. Trakt. i sel'khozmash. 33 no. 7:17-19 Jl '63.

HATTER'S FUR—TESTING

Studying the technological characteristics of the hair from various types of rabbits and hares. V. F. Smirnova. Nauch.-issl. trudy TSNIISherati no. 16, 165-177 '61.

HAY—HARVESTING

(see also subdivision under Latvia)

Changes in the nitrogenous complex as related to various systems of drying grass for hay. N. P. Drozdenko. Trudy VIZH 24 164-172 '62.

Completing the drying of grass for hay in stacks by mechanical and natural ventilation and the use of plastic films as coverings. A. F. Laguta. Trudy VIZH 24:149-163 '62.

HEALTH RESORTS, WATERING PLACES, ETC.

(see also subdivision under Borzhomi, Bulgaria; Hungary; Imeretiya; Kuybyshev Province)

Arteenna and health resort treatment. V. M. Faibushevich. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 4:353-355 Jl-Ag '62.

Essence and importance of a "balneological reaction"; a topic for discussion. P. G. Tsarfis. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 4:360-363 Jl-Ag '62.

Sanatorium and health resort treatment of patients with a persistent form of hypertension. N. I. Speranskii, G. A. Chernykh. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 4, 307-311 Jl-Ag '62.

HEARING

Changes in the cochlear and vestibular functions in acute carbon monoxide poisoning. P. S. Kublanova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9:82-84 '61.

Evoked potentials and mechanisms of discrimination of an external signal [with summary in English]. G. V. Gershuni. Zhur. vys. nerv. deiat. 13 no. 5:882-890 S-O '63.

HEART

Effect of catechol amines on oxidative processes under normal conditions, and in experimental hypertension [with summary in English]. M. IU. Hasyns'ka, A. M. Udievs'kyi. Ukr. biokhim. zhur. 34 no. 2:237-243 '62.

HEART—BLOOD SUPPLY

Collateral blood circulation in the heart in coronary atherosclerosis. K. A. Gornak. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1, 5-6 '61.

HEART—DISEASES

Characteristics of the systolic phase of the right ventricle in patients with acquired heart defects. IU. D. Volynskii and others. Izv. AN Arm. SSR. Biol. nauki 16 no. 7:53-62 Jl '63.

Morphological changes in the myocardium in thyrotoxicosis. V. A. Odinokova. Trudy mol. nauch. sots. MONIKI no. 1:209-212 '59.

Successful radical surgery in interventricular and interatrial septal defects. A. B. Zorin, IU. F. Pisarev. Kaz. med. zhur. no. 2:69-70 Mr-Ap '63.

Value of dynamic ballistocardiography in the treatment of certain heart diseases. V. A. Geftel. Kaz. med. zhur. no. 1 71-72 Ja-F '61.

HEART—HYPERTROPHY AND DILATATION

Autoimmunological responses of the organism to the development and reversibility of compensatory variations in the heart. A. M. Monsenkov, IU. M. Repin. Dokl. AN SSSR 152 no. 4:1009-1011 O '63.

Role of correlation between the physiological function and genetic apparatus of the cell in the appearance and involution of myocardiac hypertrophy. P. Z. Meerson, IU. M. Repin, V. P. Godin. Dokl. AN SSSR 152 no. 6 1483-1486 O '63.

HEART—INFARCTION

Clinical aspects of atypical infarction of the myocardium. V. M. Zaitsev. Kaz. med. zhur. no. 1, 68-69 Ja-F '61.

Disturbance of cerebral circulation due to infarction of the myocardium (cerebrocardiac syndrome). Kh. I. Erusalimchik. Kaz. med. zhur. no. 1 16-20 Ja-F '61.

Frol'kis, V. V., and others. [Coronary blood circulation and experimental myocardial infarct] Koronarnoe krovoobrashchenie i eksperimental'nyi infarkt miokarda. Kiev, Gosmedizdat USSR, 1962 454 p. (DNLM)

Infarction of the myocardium originating during an epileptoid fit, abstract. V. D. Troshin. Kaz. med. zhur. no. 1, 119 Ja-F '61.

Two cases of intravital diagnosis of interventricular septum rupture following myocardial infarct. N. I. Tolkacheva, L. N. Serebriakova. Kaz. med. zhur. no. 2:70-71 Mr-Ap '63.

Use of exercise therapy after a myocardiac infarct. E. I. Riabukha. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 4:329-333 Jl-Ag '62.

HEART—MUSCLE

Work of the muscle trabecula as related to its initial length. M. G. Udel'nov, A. P. Fedorova. Nauch. dokl. vys. shkoly, biol. nauki no. 4 13-48 '63.

HEART—RADIOGRAPHY

Changes in the heart in hypertension in the light of roentgenoanatomical studies. M. A. Koroshikova. Trudy mol. nauch. sots., MONIKI no. 1:213-217 '59.

HEART—SURGERY

(see also subdivision under China)

Successful radical surgery in interventricular and interatrial septal defects. A. B. Zorin, IU. F. Pisarev. Kaz. med. zhur. no. 2, 69-70 Mr-Ap '63.

HEART BLOCK

Case of an intermittent form of complete atrioventricular block in rheumatic endomyocarditis; abstract. I. P. Arleevskii. Kaz. med. zhur. no. 1:106-107 Ja-F '61.

HEART FAILURE

Indications for intrathoracic operations and ligation of the internal thoracic artery in coronary insufficiency. V. D. Ivanova, A. M. Tokareva. Kaz. med. zhur. no. 1: 11-15 Ja-F '61.

HEAT—CONDUCTION

Mixed boundary problem of heat conductivity for a half space [with summary in English]. V. T. Grinchenko, A. F. Ulitko. Inzh.-fiz. zhur. 6 no. 10, 67-71 O '63.

Quantitative evaluation of chromatograms with the aid of a detector of heat conductivity [with summary in English]. V. A. Balandina and others. Zhur. anal. khim. 18 no. 7 808-810 Jl '63.

Testing certain relationships between heat conductivity and other characteristics of a liquid [with summary in English]. S. S. Altynbaeva. Inzh.-fiz. zhur. 6 no. 11: 66-69 N '63.

HEAT—CONVECTION

Calculation of the volt-ampere characteristics of certain types of thermistors under natural convection [with summary in English]. I. N. Rutskii. Inzh.-fiz. zhur. 6 no. 11:105-111 N '63.

HEAT—PHYSIOLOGICAL EFFECT

Effect of X rays and high temperature on the crossing-over process [with summary in English]. I. A. Zakharov, S. G. Inge-Vechtomov. Trudy MOIP Otd. biol. 7: 194-197 '63.

HEAT—RADIATION AND ABSORPTION

Babalov, A. F. [Protection from heat radiation] Zashchita ot teplovykh izluchenii. Moskva, Metallurgizdat, 1963. 56 p. (Bibliotechka po okhrane truda v metallurgii)

Estimation of heat transfer by radiation for large meteors moving in the atmosphere at great speed. I. V. Nemchinov, M. A. TSikulin. Geomag. i aer. 3 no. 4 635-646 Jl-Ag '63.

Investigation of the heat transfer of a gas jet in a cylindrical chamber [with summary in English]. G. P. Stel'makh. Inzh.-fiz. zhur. 6 no. 10 93-95 O '63.

Nonlinear boundary problems for a heat-radiating cylinder [with summary in English]. A. A. Berezovskii. Inzh.-fiz. zhur. 6 no. 10 121-128 O '63.

HEAT—TRANSMISSION

Akademiia nauk BSSR, Minsk. Fiziko-tekhnicheskii institut. [Physics of heat in foundry practice] Teplofizika v liteinom proizvodstve. Pod red. A. I. Veinika. Minsk, Izd-vo Akad. nauk BSSR, 1963 535 p.

Calculating temperatures during the sintering process. S. G. Bratchikov and others. Izv. vys. ucheb. zav., chern. met. 6 no. 8 47-53 '63.

Contact heat transfer on a floor surface [with summary in English]. A. L. Usov. Inzh.-fiz. zhur. 6 no. 11 119-122 N '63.

Contents of the international journal "Heat and mass transfer." Vol. 6, no. 7, July 1963. E. A. Bogacheva. Inzh.-fiz. zhur. 6 no. 10 140-141 O '63.

Cooling and heating of a layer of gravel. V. N. Filatkin. Khol. tekh. 40 no. 5 36-38 S-O '63.

Determining the mean volume temperature under transient heat transfer conditions [with summary in English]. N. A. Mayshev. Inzh.-fiz. zhur. 6 no. 10 61-66 O '63.

Experimental determination of the local values of heat transfer coefficients in turbines [with summary in English]. I. V. Rinskii, I. D. Garkusha. Inzh.-fiz. zhur. 6 no. 11:3-8 N '63.

Heat exchange in mixers operating with viscous liquids. A. S. Kapustin. Khim. mashinostr. no. 3:17-22 My-Je '63.

Heat transfer at the critical point of a blunt body at low Reynolds numbers. I. N. Murzinov. PMTF no. 5 139-141 S-O '63.

Heat transfer of a surface immersed into a developed nonuniform fluidized bed [with summary in English]. N. V. Antonishin, S. S. Zabrodskii. Inzh.-fiz. zhur. 6 no. 11 97-104 N '63.

Idealized two-dimensional problem of radiant heat exchange in screens. I. R. Mikk. Izv. vys. ucheb. zav., energ. 6 no. 6:72-78 Je '63.

Investigating the heat exchange during the boiling of Freon 12 inside a horizontal pipe. S. N. Bogdanov. Khol. tekh. 40 no. 5 31-35 S-O '63.

Investigating the heat transfer in a water-jet heat exchanger. A. M. Krapivin. Trudy DIIT no. 24, 136-154 '54.

Mechanism of heat transfer between a fluidized bed and a surface [with summary in English]. A. P. Baskakov. Inzh.-fiz. zhur. 6 no. 11 20-25 N '63.

A nonlinear heat transfer problem. S. I. Anisimov, T. L. Perel'man. PMTF no. 5, 136-139 S-O '63.

Relation between surface friction and heat exchange. M. M. Nazarchuk, S. S. Stel'makh. Dop. AN URSR no. 12, 1590-1593 '61.

Resistance and heat transfer on a permeable surface in the case of gradient gas flow [with summary in English]. P. N. Romanenko, V. N. Kharchenko. Inzh.-fiz. zhur. 6 no. 11, 9-13 N '63.

Study of heat transfer during evaporation of solutions of urea in a wetted-wall evaporator of the rotary type. E. D. Kibrik, A. I. Rychkov. Khim. prom. no. 7, 527-531 Jl '63.

Study of heat transfer in electrical machines using a new method. V. A. Grishin. Elektrotekhnika 34 no. 9:31-34 S '63.

HEAT EXCHANGERS

Calculating temperature elongations in double circulation recuperators. F. F. Zigmund. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:202-206 '63.

Calculation of multiregion packed heat exchangers with a moving bed [with summary in English]. A. I. Liubosnits. Inzh.-fiz. zhur. 6 no. 11 42-49 N '63.

Studying the hydrodynamics of water-jet heat exchangers. A. M. Krapivin. Trudy DIIT no. 24:115-135 '54.

Thermodynamic optimization of technological heat exchange systems with cascade fluidized beds [with summary in English]. I. T. El'perin, V. A. Minkov. Inzh.-fiz. zhur. 6 no. 11:32-41 N '63.

HEAT EXCHANGERS—WELDING

Condenser charge welding of heat exchangers. G. V. Nedzvetskii, A. V. Abrashin. Svar. proizv. no. 10:36-37 O '63.

HEAT OF TRANSFORMATION

Methods of calculating the entropy and the heat of transition of a component from one standard state to another. D. M. Laptev. Izv. vys. ucheb. zav.; chern. met. 6 no. 8 34-34 '63.

HEAT OF VAPORIZATION

Direct determination of the heat of vaporization and the surface energy of certain metals. V. I. Rabkin. Trudy Ural. politekh. in-ta, 1 142-145 '62

Specific heat of vaporization of moisture from capillary-porous dispersed bodies [with summary in English]. [illegible] Inzh.-fiz. zhur., 6 no. 11 76-84 N '63.

HEAT REGENERATORS

Distribution of combustion products between soaking pit regenerators. V. N. Astsaturov, M. P. Revun. Met. i gornorud. prom. no. 3 77-79 S-O '63

HEAT-RESISTANT ALLOYS

Heat-resistant, silumin-type alloy for internal combustion engine pistons. I. F. Kolobnev, V. M. Buzarov, L. V. Sheyreva. Alum. splavy, no. 1 33-40 '63

Refractory metals and their role in modern technology. I. M. Sakhatskii, Ch. V. Kopetskii, G. S. Burkhanov. Vest. AN SSSR 33 no. 10 29-36 O '63.

HEAT RESISTANT STEEL see Steel, Heat resistant

HEATING see subdivision under Great Britain

HEATING—EQUIPMENT AND SUPPLIES

Unit for heating buildings in the winter. S. O. Shitsman, V. G. Pekarskii. Transp. stroi. 12 no. 3 53-54 Mr '62

HEATING FROM CENTRAL STATIONS

Conference on the operation of municipal central heating networks. M. G. Shpeer. Elek. sta. 34 no. 8 94 Ag '63.

Methods for comparing alternatives in the choice of turbines for heat supplying thermal electric power plants. A. I. Korneichev. Izv. vys. ucheb. zav.; energ. 6 no. 8: 129-131 Je '63.

Modeling by means of hydraulic analogies variable modes of operation of heat supplying systems. V. A. Koshelev. Izv. AN SSSR Energ. i transp. no. 4 525-530 Jl-Ag '63.

Use of electronic computers in the optimization of branched heat supply systems. A. P. Merenkov. Izv. AN SSSR Energ. i transp. no. 4 531-538 Jl-Ag '63.

HEIFERS—FEEDING AND FEEDS
(see also subdivision under Moscow Province)

Fluorine metabolism in breeding heifers. A. M. Venediktov. Trudy VIZH 24 239-246 '62.

HEINE, HEINRICH, 1797-1856

"Book of songs" by Heinrich Heine and German romanticism [in Georgian with summary in Russian]. Z. D. Charkhalashvili. Trudy Tbil. GU 101 163-181 '62

Deich, A. I. [Poetic world of Heinrich Heine] Poeticheskii mir Genrikha Geine. Moskva, Goslitizdat, 1963 444 p.

Shiller, F. P. [Heinrich Heine] Genrikh Geine. Moskva, Goslitizdat, 1962. 366 p. (MH)

HELICOPTERS

Use of helicopters in battle (as revealed by foreign opinion). B. Arzumanov, G. Perekhval'skii. Voen. vest. 41 no. 1:117-118 Ja '62.

HELICOPTERS—PILOTING

Dare, Tatiana! N. Balakin. Kryl. rod. 14 no. 11:17 N '63.

Young people are in front. N. Shokhan. Kryl. rod. 14 no. 11 21-23 N '63.

HELLENISM see subdivision under Black Sea region

HELMINTHOLOGICAL RESEARCH

Current problems of helminthological science and practice at the present stage of history [with summary in English]. F. I. Skriabin. Izv. AN SSSR. Ser. biol. 28 no. 4:497-503 Jl-Ag '63.

Skriabin, K. I., and others. [Development of helminthological science and practice in the U. S. S. R.] Stroitel'stvo gel'mintologicheskoi nauki i praktiki v SSSR. Moskva, Izd-vo Akad. nauk SSSR,
Vol. 2 1963 415 p.

HELMINTHOLOGY see subdivision under Transcaucasia

HELMINTHOLOGY—CONGRESSES

Scientific Conference of the All-Union Society of Helminthologists. E. S. Leikina, A. A. Mozgovoi, E. E. Shumakovich. Izv. AN SSSR, Ser. biol. 28 no. 4:630-634 Jl-Ag '63.

HEMAGGLUTININ

Detection of hemagglutinins of the Japanese and tick-borne encephalitis viruses in tissue culture. S. IA. Gaidamovich, Duan Suan-myou [Tuan Suan-miao], N. G. Titova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 30-31 '61.

HEMATOENCEPHALIC BARRIER

Some data on the state of the hematoencephalic barrier in cerebral cysticercosis [with summary in French]. I. P. Antonov, T. P. Sizonenko. Zhur. nevr. i psikh. 63 no. 2:213-216 '63

HEMIPTERA

Ecology of little-known hemiptera in the European part of the U. S. S. R. Report No. 2. V. N. Puchkov. Pratsi Inst. zool. AN URSR 17:66-93 '61.

Predatory hemiptera of the U. S. S. R. useful for agriculture and forestry. V. N. Puchkov. Pratsi Inst. zool. AN URSR 17 7-18 '61

HEMOGLOBIN

Fetal hemoglobin in cattle. S. Mikle, E. K. Merkur'eva. Nauch. dokl. vys. shkoly, biol. nauki no. 4 178-181 '63.

HEMOLYSIS AND HEMOLYSINS

Obtaining a hemolytic serum by prolonged hyperimmunization of rabbits [with summary in English]. N. O. Sukhova. Trudy TomNIIVS 12 270-274 '60

HEMOPOIETIC SYSTEM

Effect of prolonged irradiation with Co^{60} on hemopoiesis, stimulated by loss of blood. A. D. Pushnitsina. Radiobiologiia 2 no. 6 847-854 '62

Reaction of the blood system in dogs to massive hemorrhage in late periods following a chronic action of ionizing radiation [with summary in English]. L. V. Bogatov. Med. rad. 8 no. 2:28-35 F '63

HEMORRHAGE

Reaction of the blood system in dogs to massive hemorrhage in late periods following a chronic action of ionizing radiation [with summary in English]. L. V. Bogatov. Med. rad. 8 no. 2 28-35 F '63

Shunting of the renal circulation in hemorrhage, an experimental study. G. V. Kovalevskii. Arkh. pat. no. 2 24-33 '63.

Use of N. G. Belen'kii's serum for hemostasis in surgical wounds. E. P. Arkhipov, G. M. Kuznetsov. Kaz. med. zhur., no. 2:71-72 Mr-Ap '63

HEMORRHAGIC FEVER see subdivision under Kama Valley

HEMORRHAGIC SEPTICEMIA
(see also subdivision under Ukraine, Western)

Antibiotics in experimental pasteurellosis in poultry. A. K. Shcherbina and others. Veterinariia 37 no. 2:40 F '60.

Use of granulated feeds with levomycetin for the prophylaxis of hemorrhagic septicemia in carp. IU. D. Nechyporenko and others. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14 138-142 '62.

HEMP
(see also subdivision under Polesye)

KKP-1, 8 hemp harvester. G. Mkrtumian. Ekon. sel'khoz. 34 no. 10, 71-73 O '63.

HEPATITIS, INFECTIOUS

Differential diagnosis of aminazine hepatitis and Botkin's disease [with summary in French]. Z. P. IAkson. Zhur. nevr. i psikh. 63 no. 2 280-283 '63

Epidemiology and clinical aspects of aborted and anicteric forms of infectious hepatitis. A. P. Sokolovskaia, I. A. Chernova, E. E. Libova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:26-29 '61

Evaluation of some biochemical indicators in the diagnosis of aborted forms of infectious hepatitis. L. L. Gromashevskaia and others. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 27-28 '61

Results of dispensary service for convalescents following infectious hepatitis. N. A. Chapurskaia and others. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1, 28 '61

Scroptophylaxis for Botkin's disease in children's institutions [with summary in English]. M. L. IAblokova and others. Pediatriia 42 no. 5:54-56 My '63.

State of the hepatobiliary system in children after a mild and a moderately severe form of Botkin's disease [with summary in English]. S. M. Benderskaia. Pediatriia 42 no. 5:42-50 My '63.

Use of laboratory methods in the detection of aborted and anicteric forms of epidemic hepatitis in children [with summary in English]. A. N. Gritsenko and others. Pediatriia 42 no. 5, 51-54 My '63.

HEPTANOIC ACID

Vinyl enanthate and ethylidenedienanthic ester. E. N. Rostovskii, L. E. De-Millo. Zhur. prikl. khim. 36 no. 8 1871-1872 Ag '63.

HEPTYNOL

Homologs of monovinylacetylene. Part 11. Dehydration of acetylenic alcohols: 2, 6-dimethyl-3-heptyn-5-ol, 2, 2, 6-trimethyl-3-heptyn-5-ol, and 2, 2-dimethyl-5-ethyl-3-heptyn-5-ol. L. A. Favorskaia. Zhur. ob. khim. 33 no. 8 2472-2475 Ag '63.

HERALDRY

Heraldry and sphragistics in the work of historians; according to materials in Ukrainian archives and other institutions. V. I. Strel'skii. Vop. arkh. 8 no. 2:31-35 Ap-Je '63.

HERBICIDES

Controlling shrubs in meadows and bogs. F. K. Bazilevich. Zemledelie 25 no. 10:69-70 O '63.

Herbicides and plant regulators. [illegible] some new derivatives of urea containing group. K. D. Shvetsova-Shilovskaia, [illegible] Mel'nikov. Zhur. ob. khim. 33 no. 10 [illegible] '63.

HEREDITY, HUMAN

Can the characters of parents be transmitted by spring? V. Zhukovskaia. Rab. i [illegible] '63.

HEREDITY OF DISEASE

Hereditary metabolic diseases. V. P. [illegible] pat. no. 2:79-85 '63

Pavlenko, S. M. [Natural science fundamentals of medical genetics] Estestvennonauchnye osnovy meditsinskoi genetiki. Moskva, Medgiz, 1963 45 p. (DNLM)

HERNIA

Experience in the use of a polyvinyl [illegible] ventral and recurrent inguinal hernias. Kaz. med. zhur., no. 2:40-42 Mr-Ap '63

HEROES

I live among heroes. Vladimir [illegible] [i. e. 45] no. 16 5-6 Ag '63.

HEROIN see subdivision under Japan

HERRING see subdivision under Okhotsk, Sea of

HERTZEN, ALEKSANDR IVANOVICH, 1812-1870

A. I. Hertzen's article "Public Library of the Government." A. Malakhovskii. Ist. SSSR 1 [illegible] 22 no. 5 423-427 S-O '63.

Hertzen, A. I. [Collected works in 30 volumes] Sochineniia v tridtsati tomakh. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 27. [Letters, 1860-1863] Pis'ma [illegible] godov.
Book 1. 1963. 405 p.

"Kolokol" sounds the alarm. V. Putintsev. [illegible] no. 2 55-56 F '63

Pirumova, N. I. [Aleksandr Hertzen, his life and work] Aleksandr Gertsen, zhizn' i deiatel'nost'. Moskva, Gos. uchebno-pedagog. izd-vo, 1963. 163 p. (CaAEU)

Tarnovskii, L. [A. I. Hertzen's literary criticism] Literaturno-kriticheskaia deiatel'nost' A. I. Gertsena; lektsiia po kursu "Russkaia literatura" dlia [illegible] zaochnogo otdeleniia. Leningrad, Leningr. shkola profdvizhenia VTSSPS. 1961. 28 p. (RPB)

HETEROCYCLIC COMPOUNDS

Condensation of 5-thenoylmalonic aldehydes [illegible] ates of heterocyclic bases. B. P. Zhur. [illegible] khim. 33 no. 10:3205-3207 O '63.

Condensed heterocycles. Part 4: Condensation of 3-amino-1, 2, 4-triazoles with diacetonamine. IA. A. Levin, V. A. Kukhtin. Zhur. ob. khim. 33 no. 8 2670-2672 Ag '63

HETEROPTERA

Venation of posterior wings of water bugs. V. N. Puchkova. Pratsi Inst. zool. AN [illegible] '61.

HETEROSIS

Heterosis in vegetable crops. D. D. Brezhnev. 52 no. 8 50-55 '63.

Make use of the phenomenon of heterosis in a skillful handly. I. H. Zorin. Visnyk sil'hosp. nauky 11 Ap '63.

HEXAMETHYLENETETRAMINE

Using urotropine in the precipitation of oxalates of rare earth elements. G. M. Varshal. [illegible] no. 81, 13-46 '62

HEXAMETHYLENETETRAMINE—OPTICAL PROPERTIES

Linear electrooptical effect in crystals of hexamethylene tetramine (urotropine) $C_6H_{12}N_4$. L. M. Belyaev, others. Kristallografiia 8 no. 3:482-484 [illegible]

HEXANE

Catalytic isomerization of n-hexane. Kh. M. Minachev, M. A. Riashentseva, IU. A. Afanas'eva. Neftekhimiia 3 no. 4:482-483 Jl-Ag '63.

Liquid - vapor equilibrium in the system methylcyclopentane - hexane at temperatures 36, 15, 55° and pressure 760 mm. Hg. L. S. Kudriavtseva, M. M. [illegible] Zhur. prikl. khim. 36 no. 8:1710-1716 Ag '63.

HEXANOIC ACID

Complexons of certain metals with N, N, S-nitrilo-aminotriacetic acid studied by the high frequency titration method [with summary in English]. N. M. [illegible] B. I. Bikhman. Zhur. anal. khim. 18 no. 7 [illegible] '63

HEXATRIENE

Chemistry of divinylacetylene and its halo derivatives. Part 14 Isomerization of trans-2, 3, 4, 5-tetrachloro-1, 3, 5-hexatriene to a cis-modification with subsequent dehydrochlorination, diene synthesis, and sulfone formation. A. A. Akopian, V. S. Aslamazian, I. M. Rostomian. Zhur. ob. khim. 33 no. 10:3143-3144 O '63.

HEXENE

[Isomerization of hexenes in the presence of palladized coal. B. A. Kazanskii and others. Neftekhimiia 3 no. 4 503-506 Jl-Ag '63.

Isomerization of hexenes under conditions of liquid-phase hydrogenation in the presence of palladium black. I. V. Gostunskaia and others. Neftekhimiia 3 no. 1 128-132 Jl-Ag '63.

HEXONIUM

Effect of benzohexonium and dibazol on the development of experimental atherosclerosis in rabbits. N. A. Novikova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 20-21 '61

HEXYNE

Synthesis and transformations of substituted vinyl ethers. Part 13 Stereochemistry of the reaction of addition of thiols to tert-butylacetylene. E. P. Grachova and others. Zhur. ob. khim. 33 no. 8 2493-2501 Ag '63.

HEXYNEDIOL

Synthesis and study of transformations of acetylenic α-glycols. Part 8. 3, 4, 5, 5-Tetramethyl-1-hexyne-3, 4-diol and 3-methyl-1-hexyne-3, 4-diol and their transformations under the effect of concentrated sulfuric acid. T. A. Favorskaia, G. M. Tolstopiatov. Zhur. ob. khim. 33 no. 10 3160-3166 O '63.

HEXYNOL

Complex compounds of nickel and cobalt with 1-dimethylamino-5-methyl-2-hexyn-5-ol. S. N. Avakian, R. A. Zakarian. Zhur. ob. khim. 33 no. 10 3364-3366 O '63.

HIDES AND SKINS
(see also subdivision under Poland)

Accounting for hides by weight and surface area. Z. Gerlitsyn. Miasn. ind. SSSR 34 no. 5 10 '63.

Kantsepol'skii, A. S. [Album of Persian lamb and krimmer skins] Al'bom karakulia i smushki. Moskva, Zagotizdat, 1962. 157 p. illus.

HIGH PRESSURE RESEARCH

Heating of solid bodies in an adiabatically compressed gas. D. S. Tsiklis, L. S. Lesnevskaia. Fiz. tver. tela 5 no. 10 2978-2980 O '63.

Optical method for determining the melting point of graphite as dependent on pressure up to 40,000 atm. N. S. Fateeva, L. F. Vereshchagin, V. S. Kolotygin. Dokl. AN SSSR 152 no. 2:317-319 S '63.

HIGHER EDUCATION see Education, Higher

HIGHWAY TRANSPORT WORKERS see subdivision under Taganrog

HIKMET, NAZIM, 1902-

A portrait of Nazim Hikmet. L. N. Starostov. Nar. Az. i Afr. no. 5 251-264 '63.

HILBERT SPACE

Interpolation analogue of the method of gradients [with summary in German]. S. Ulm. Izv. AN Est. SSR. Ser. fiz.-mat. i tekh. nauk 12 no. 3 238-243 '63.

Stability of solutions to Hamiltonian equations in Hilbert space with unbounded periodic operator coefficients. V. I. Derguzov. Dokl. AN SSSR 152 no. 6:1291-1296 O '63.

HINDI LITERATURE—HISTORY AND CRITICISM

Some remarks on the division of Hindi literature into successive periods [with summary in English, p. 260]. N. M. Sazanova. Nar. Az. i Afr. no. 5:141-144 '63.

HISTIDINE

Change of tyrosine, tryptophan and histidine under the action of ionizing and light radiation [with summary in English] M. A. Kolomiichenko. Ukr. biokhim. zhur. 34 no. 2 217-220 '62.

HISTOCHEMISTRY

Chemical composition of the tissues of hybrid chickens and chickens of the parent breeds of various ages [with summary in English]. O. V. Chechotkin. Ukr. biokhim. zhur. 34 no. 2:262-269 '62.

Symposium on Histochemistry and Cytochemistry. Iu. M. Olenov. Vest. AN SSSR 33 no. 10 96-98 O '63.

Utilization of filtrates of hyaluronidase-active strains of Streptococcus in histochemical practice. L. V. Beletskaia, Chzhan Ven'-tsai [Chang Wên-yu]. Arkh. pat. no. 2:66-69 '63.

HISTORICAL RESEARCH
(see also subdivision under Communist Countries; Daghestan; Germany, East; Ireland)

Defense of doctoral dissertations. Nov. i noveish. ist. no. 5:186-187 '63.

Historical studies and ideology. Vest. drev. ist. no. 3 3-10 '63.

A theoretical conference on the history of the labor and democratic movement. G. M. Alpatova, V. A. Danilov, P. Iu. Rakhshmir. Nov. i noveish. ist. no. 5:181-183 '63.

HISTORY

Brief notes. Vop. ist. 38 no. 10 202-204 O '63.

HISTORY—AUDIO-VISUAL AIDS

Preparation and use of historic diagrams in the fourth grade. M. V. Fedorenko. Nar. shk. 42 no. 10:90-93 O '63.

HISTORY—BIBLIOGRAPHY see Bibliography—History

HISTORY—METHODOLOGY

Problems in the study of source materials in "L'histoire et ses methodes." O. M. Medushevskaia. Vop. arkh. 8 no. 2 109-115 Ap-Je '63.

HISTORY—PERIODICALS

"Mezhdunarodnaia zhizn', ""Istoriia S. S. S. R."; periodical reviews. Polit. samoobr. 7 no. 9:139-142 S '63.

To the readers of "Srednie veka." Sred. veka no. 24 326 '63.

HISTORY—PHILOSOPHY

Critical evaluation of A. Toynbee's philosophy of history. G. D. Chesnokov. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 5 86-91 S-O '63.

"Dimensions of historical consciousness" [in French] by R. Aron. Reviewed by I. S. Kon. Nov. i noveish. ist. no. 5 152-154 '63.

Doctrine of historical materialism and the theory of the state and law. P. A. Rachkov. Sov. gos. i pravo 33 no. 10 56-67 O '63.

Historical science is an ideological weapon in the struggle for communism. Nov. i noveish. ist. no. 5:3-9 '63.

Historical studies and ideology. Vest. drev. ist. no. 3 3-10 '63.

Marxist-Leninist theory of reflection and historical science. A. I. Danilov. Sred. veka no. 24 3-23 '63.

Recommended methods for a lecture on "Common people as the decisive force of social development, role of the individual in history." I. V. Malyshev. Vop. metod. prep. marks.-len. filos. v vuz. no. 1 71-96 '63.

HISTORY—STUDY AND TEACHING

Discussing the problems of historical materialism at student conferences. B. A. Erunov. Vop. metod. prep. marks.-len. filos. v vuz. no. 1:164-178 '63.

Recommended methods for a lecture on "Common people as the decisive force of social development, role of the individual in history." I. V. Malyshev. Vop. metod. prep. marks.-len. filos. v vuz. no. 1:71-96 '63.

HISTORY, MODERN

True face of the diplomacy of imperialism. V. Israelian. Kommunist 40 no. 15:124-127 O '63.

"World history." Vol. 9. Reviewed by I. S. Kashkin and others. Vop. ist. 38 no. 10:120-125 O '63.

HISTORY, MODERN—BIBLIOGRAPHY see Bibliography—History, Modern

HOCHHUT, ROLF

Historical truth and the "honor of the soutane." S. Gorskii. Nauka i rel. 4 no. 8:41-42 Ag '63.

HODGKINSONITE

Crystalline structure of hodgkinsonite $Zn_2Mn[SiO_4](OH)_2$. L. P. Solov'eva, N. V. Belov. Dokl. AN SSSR 152 no. 2:327-330 S '63.

HODOGRAPH

Analysis of the hodograph of wind velocity in the boundary layer of the atmosphere. A. V. Tkachenko, N. M. Volevakha, N. M. Galadzhin. Trudy UkrNIGMI no. 31: 48-53 '62.

HOISTING MACHINERY

Chernenko, L. D., and IA. G. Shtepan. [Mechanization of hoisting and conveying in industrial enterprises abroad] Mekhanizatsiia pod"emno-transportnykh rabot promyshlennykh predpriiatii, zarubezhnyi opyt. Kiev, In-t tekhn. informatsii, 1963. 304 p.

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut pod"emno-transportnogo mashinostroeniia. [New and proposed hoisting and conveying machines and mechanisms] Novye i perspektivnye pod"emno-transportnye mashiny i mekhanizmy. Moskva.
Nos. 2-3. 1960. 237 p.
[MICROFILM]

Theoretical substantiation of the increase of tractive capacity of rope-driving friction elements by the use of tightening rollers. A. P. Zimin. Teor. mash. i mekh. no. 94/95:5-14 '63.

Universal automatic grapple. I. S. Vol'skii. Transp. stroi. 12 no. 3 52-53 Mr '62

HOISTING MACHINERY—DESIGN AND CONSTRUCTION

Prospective constructions of hoisting and transporting machines for industrial buildings of the machine industry. V. S. Konovalov, V. F. Kachanov. Prom. stroi. 41 no. 9 46-52 S '63

HOLLOW BRICKS

Porous-slotted ceramic bricks and products made from them. L. K. Petrov, S. M. Rakovich, M. I. Shubin. Stroi. mat. 9 no. 7 9-11 Jl '63

HOLLOW TILES

Efficient technology of the production of cast slag tiles. L. D. Rozovskii, A. A. Repin. Stroi. mat. 9 no. 7 4-5 Jl '63

Joint thermal operation of ovens and kilns for tiles. A. A. Toporkova. Stroi. mat. 9 no. 7:23 Jl '63.

HOLMIUM—SPECTRA

Absorption and emission of divalent holmium and erbium ions in crystals of the fluorite type. IA. E. Kariss, P. P. Feofilov. Opt. i spektr. 15 no. 1 572-571 O '63

HOLOVKO, ANDRII VASYL'OVYCH, 1897-

Studying "Pylypko," a story by A. Holovko, in the sixth grade. V. O. Loievs'ka. Ukr. mova i lit. v shkoli 23 no. 1 25-29 Mr '63.

HOLUB, MIROSLAV, 1923-

For contemporaneity in poetry, remarks on the works of Miroslav Holub. S. A. Sheriaimova. Lit. slav. nar. 8 186-195 '63.

HOME AND SCHOOL
(see also subdivision under Poland, Ukraine)

All embracing power of training. G. Fradkin. Shkola-int. no. 5:14-16 S-O '63.

Arguments against the strap. M. Vasil'ev. Doshk. vosp. 36 no. 10:68-70 O '63.

Editor's mail. Sem'ia i shkola 18 no. 10:26-32 O '63.

Editor's mail. Sem'ia i shkola 18 no. 11:19-25 N '63.

Education and training are indivisible! A. Levshin. Sem'ia i shkola 18 no. 10 2-3 O '63.

Family and school too. N. Chebunin. Polit. samoobr. 7 no. 9 101-105 S '63.

Generation of tomorrow. B. Lifshits. Doshk. vosp. 36 no. 10:70-71 O '63.

In a friendly and cooperative fashion. Z. Shabkhl. Doshk. vosp. 36 no. 10 73-76 O '63.

In the first grade. A. Gromtseva. Sem'ia i shkola 18 no. 10 12-14 O '63.

Let's not look for easy ways. R. Finkel'shtein. Doshk. vosp. 36 no. 10:65-68 O '63.

Shine, school lights! D. Troinova. Sem'ia i shkola 18 no. 10:9 O '63.

Thinking about past experiences..., A. Shurygina. Sem'ia i shkola 18 no. 10:8-9 O '63.

This can be achieved by common effort. T. Gromova. Doshk. vosp. 36 no. 10, 71-73 O '63.

Together with the family. L. Panferova. Shkola-int. no. 5, 17 S-O '63.

We need true cooperation. A. Kosareva. Sem'ia i shkola 18 no. 11 2-3 N '63.

HOME AND SCHOOL—PERIODICALS

To the wide circle of readers. Sem'ia i shkola 18 no. 10 44 O '63.

HOMOLOGY THEORY

Bicompact expansions with punctiform outgrowths, and cohomology groups. E. G. Skliarenko. Izv. AN SSSR Ser. mat. 27 no. 5:1165-1180 S-O '63.

Homological properties of the arrangement of sets in polyhedra and manifolds described by sequences of strong and weak homology groups. N. T. Tynianskii. Izv. vys. ucheb. zav.; mat. no. 5:117-128 '63.

HONSHU—TUNNELS

"Kanmon" railless tunnel between Honshu and Kyushu in Japan. V. A. Samokhvalov. Sbor. nauch. rab. DVNIIS no. 1:245-249 '61.

HOPPERS

Instruments and devices for controlling the level of hopper loads. E. L. Kritskii, M. N. Minster. TSement 29 no. 4:1-5 Jl-Ag '63.

HOPPERS—DESIGN AND CONSTRUCTION

Unification of precast reinforced concrete hoppers. M. Iu. Astriab, N. A. Ushakov. Prom. stroi. 41 no. 10:15-17 O '63.

HOPS

Efficient utilization of hops in the brewing industry. A. M. Navrotskaia and others. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:80-85 '63.

HORMONE THERAPY

Treatment of bronchial asthma with hormone preparations. Z. Kh. Degtiareva. Kaz. med. zhur. no. 2:33-34 Mr-Ap '63.

HORMONES

It [illegible] of animals to overloads at [illegible] under the action of some stimulants, [illegible] hormone preparations. V. IA Rusin [illegible] no. 3 [illegible]-73 '63

HORNBEAM, FOSSIL see subdivision under Kodori Rabe

HORNS

[illegible] of horns in the giant deer Megaloceros giganteus rudis Sch. V. I. Gromov, D. P. Mina UrSR no. 2, 1631-14 '63

HORSES

Duration of the utilization of horses yielding therapeutic serums in different types of immunization [with summary in English] B. G. Trukhmanov, R. P. Mishanko Trudy TomNIIVS 12 214-221 '60

Experiment with preliminary preparatory immunization of horses in diphtheritial hyperimmunization. S. D. Rozhnina Trudy TomNIIVS 12 226-230 '60

Experimental use of a test puncture for timely diagnosis of liver rupture in horses in the practice of serum production [with summary in English] R. P. Mishanko Trudy TomNIIVS 12 237-241 '60

Immunological characteristics of serum producing horses selected by the method of compound immunization [with summary in English] E. N. Rozhkova Trudy TomNIIVS 12 222-225 '60

Test puncture as a method of early diagnosis of a rupture of the liver yielding therapeutic serums [with summary in English] B. G. Trukhmanov Trudy TomNIIVS 12 231-236 '60.

HORSES—ANATOMY

Characteristics of the histological structure of bony fibers of the compact substance in the long bones of the pelvic extremity in horses. V. I. Ippolitova. Dokl. TSKHA no. 69:291-299 '61.

Studying differentiation characteristics of the skeleton of the extremities in Orlov trotter stallions by the X-ray method. A. B. Bolarskii. Dokl. TSKHA no. 69: 301-307 '61.

HORSES—DISEASES AND PESTS

Etiopathogenic therapy of phlegmon in horses. A. G. Kakurina, O. G. Tikhonova, M. P. Riazanskii. Trudy Ul'ian. sel'khoz. inst. 8 no. 2, 51-57 '61.

Experimentally induced changes of the type of infectious encephalomyelitis of horses in the liver of laboratory animals. IA. F. Kolliakov, L. M. Pichugin. Trudy Mosk. vet. akad. 12:192-206 '56

Use of the complement fixation test in diagnosing epizootic lymphangitis in horses. T. M. Zablotskii Trudy Mosk. vet. akad. 12:26-36 '56

HOSPITAL CARE

Organizing the treatment of chronic alcoholism under conditions of a specialized hospital ward [with summary in English] IA. G. Gal'perin. Trudy Gos. nauch.-issl. inst. psikh. 38 326-330 '63

HOSPITAL PHARMACIES

Some means of improving the supply of medicines for therapeutic and prophylactic institutions. E. I. Panchenko, A. M. Sidorko. Apt. delo 12 no. 5:9-14 S-O '63.

HOSPITALS—ACCOUNTING

Review of I. A. Gorokhov's book "Planning and expense analysis for the maintenance of a hospital and polyclinic." V. IA. Mikhelkhin. Kaz. med. zhur. no. 2 87-88 Mr-Ap '63

HOSPITALS—ADMINISTRATION see subdivision under Ossetia, North

HOSPITALS—OUTPATIENT SERVICES

Differentiation of outpatient treatment in alcoholism [with summary in English]. G. V. Zenevich. Trudy Gos. nauch.-issl. inst. psikh. 38 295-301 '63.

Method of determining the volume of work of medical institutions rendering dispensary service to the population (in accordance with the regulations of the new program of the CPSU). I. D. Bogatyrev. Zdrav. Ros. Feder. 7 no. 11 10-16 N '63.

Treatment of chronic alcoholism and prevention of relapses under dispensary conditions [with summary in English] M. Sh. Volf. Trudy Gos. nauch.-issl. inst. psikh. 38 318-325 '63

HOSPITALS, MOBILE see subdivision under Tomsk Province

HOSPITALS, RURAL see subdivision under Novosibirsk Province

HOT-WATER HEATING

Changing local hot-water heating over to gas fuel. IU. Sosnin. Zhil.-kom. khoz. 11 no. 12, 21-22 D '61.

HOURS OF LABOR

Calculating the average length of the workday and the work week. S. Ippolitov. Vest. stat. no. 9:56-58 '63.

Concern for work and rest. V. Nikitinskii. Sov. profsoiuzy 19 no. 19 45-48 O '63.

Hygiene evaluation of agricultural work for school children in the children's brigades of Stavropol' Province. M. V. Sharova, V. IA. Shlianov. Uch. zap. Mosk. nauch.-issl. inst. san. gigiena no. 2 12-14 '60

HOUSE PLANTS

Green friends in a room. B. Nicksandrov. Semlia i shkola 10 no. 11 15-16 N '63.

HOUSING

(see also subdivision under Moscow, Riga)

Grigor'ev, N. [The housing problem will be solved] Zhilishchnaia problema budet reshena [Moskva] Moskovskii rabochii, 1963 71 p. (V pomoshch' agitatoru i propagandistu)

HOUSING FOR PHYSICALLY HANDICAPPED

(see also subdivision under Vladimir Province)

From the Board of the Ministry. Sots. obsp. 21 no. 8 48-49 Ag '63.

HRABOVS'KYI, PAVLO ARSENOVYCH, 1861-1902

Mazurkevych, O. R., and M. A. IAkymenko [The study of P. A. Hrabovs'kyi's works in schools] Vyvchennia tvorchosti P. A. Hrabovs'koho v shkoli 2. vyd., pererer. Kyiv, "Radians'ka shkola," 1962 167 p. illus. (NN)

HULLS (NAVAL ARCHITECTURE)

Breakdown of the plating during hull frame construction without knees. V. F. Lusnikov. Sudostroenie 29 no. 9: 7-8 S '63.

Deformation of structural elements made without knees. L. I. Riabov. Sudostroenie 29 no. 9 12 S '63.

Examples of structural elements made in shipbuilding without the use of knees. M. N. Epshtein. Sudostroenie 29 no. 9:11-12 S '63.

In defense of structural elements without knees. A. A. Zhivotovskii and others. Sudostroenie 29 no. 9:9-10 S '63.

It is inefficient to discontinue the use of knees. B. N. Smoliakov. Sudostroenie 29 no. 9 1-7 S '63.

HULLS (NAVAL ARCHITECTURE)—TECHNOLOGICAL INNOVATIONS

Remarks concerning the discussion. N. K. Dormidontov. Sudostroenie 29 no. 9, 13 S '63.

HULLS (NAVAL ARCHITECTURE)—TESTING

Results of testing the strength and vibration of "Dzhankoy"-type ship hulls. A. S. Brikel', M. N. Gavrilov, E. N. Kultashev. Bhul. tekh.-ekon. inform. Tekh. upr. Min. morflota 7 no. 12 30-34 '62.

HUMAN ANATOMY see Anatomy, Human

HUMERUS—FRACTURE

Dystonia with painful manifestations of traumatic origin cured with a novocaine block. A. M. Molchanova. Kaz. med. zhur. no. 2:80-81 Mr-Ap '63

HUMIC ACID

Conditions determining the activity of the decomposition of humic acid by bacteria. D. I. Nikitin. Trudy Inst. mikrobiol. no. 11 41-47 '61.

HUMIDITY

Calibration curves for determining the overall water vapor content of the atmosphere by the spectroscopic method [with summary in English]. T. P. Toropova Trudy Astrofiz. inst. AN Kazakh SSR 4:68-79 '63

Distribution of relative humidity over the Northern Hemisphere. T. A. IAkovleva. Trudy NIIAK no. 9:30-48 '63.

Methods for the calculation of diurnal variations of evaporation from the surface of soil and snow based on the air temperature and humidity as measured at meteorological stations. A. R. Konstantinov, A. V. Kudina. Trudy UkrNIGMI no. 31:101-113 '62.

HUMUS see subdivision under Kaluga Province

HUNGARIAN PERIODICALS

A periodical devoted to the history of the Hungarian Socialist Workers' Party. M. F. Lebovich. Nov. i noveish. ist. no. 5, 125-132 '63.

HUNGARY—BIBLIOGRAPHY

[New literature on Hungary] Nov. lit. po Veng. nos. 8-9 '63.

HUNGARY—COAL MINES AND MINING

Coal industry of the Hungarian People's Republic. G. V. Belike. Ugol' 38 no. 9, 55-58 S '63.

HUNGARY—COMMUNIST PARTY

A periodical devoted to the history of the Hungarian Socialist Workers' Party. M. F. Lebovich. Nov. i noveish. ist. no. 5 125-132 '63.

HUNGARY—ECONOMIC CONDITIONS

Hungary, the country of our friends. A. Simurov. Komm. Bel. 37 no. 10 60-68 O '63.

Let's talk about Hungary. Joaquin Gutierrez. Nov. vrem. 21 no. 43:18-19 O '63.

Some problems of the building of communism in [illegible] [with summary in English, p. 180]. [illegible] Nov. i noveish. ist. no. 5 10-21 '63.

HUNGARY—HEALTH RESORTS, WATERING PLACES, ETC

Balneologic health resorts and some problems [illegible] Hungary. M. Frank. Vop. kurortol. fizioter. i lech. fizkul't. 27 no. 5, 466-472 S-O '62.

HUNGARY—KINDERGARTEN

Forming a collective in the kindergartens of Hungary. V. Ivanov. Doshk. vosp. 26 no. 10:102-104 O '63.

HUNGARY—MATHEMATICS—PERIODICALS

"Kozepiskolai matematikai," a Hungarian journal for students. I. Vanga. Mat. v shkole no. 5 [illegible] '63.

HUNGARY—POLITICS AND GOVERNMENT

The building of socialism in Hungary and overcoming [illegible] ganda. Nov. vrem. 21 no. 11 4-7 O '63.

HUNGARY—SPRAY PAINTING, ELECTROSTATIC EQUIPMENT AND SUPPLIES

Equipment for spray painting in the electrostatic field manufactured in the Hungarian People's Republic. I. V. Bobkov. Lakokras. mat. i ikh prim. no. 5 [illegible]

HUSBAND AND WIFE

Did she come to a sound decision? Ulozhenie [illegible] Rab. i dial. 39 no. 7:20-21 Jl '63.

HUTTEN, ULRICH VON, 1488-1523

Humanistic views of Ulrich von Hutten [with [illegible] Germany]. V. M. Volodarskii. Srednie veka no. 24 [illegible] '63

HYACINTH BEAN

Globulins in the seeds of the hyacinth bean [illegible] Lablab L.). V. V. Safonova. Dokl. AN [illegible] 152 [illegible] 178-180 S '63.

HYALURONIDASES

Utilization of filtration of hyaluronidase [illegible] of Streptococcus in histochemical practice. I. N. [illegible] Kokaia, Chzhan Ven'-lui [Chang Wen-yu] [illegible] no. 2 56-60 '63

HYBRID CORN

Works on the study and practical use of male-sterile corn. A. S. Musiiko, P. I. Mikushko, L. I. Lukin [illegible] Trudy Vses. sel.-gen. inst. no. 5:3-15 '62

HYDATIDS

Rare localizations of echinococci. M. R. Ri[illegible] Kaz. med. zhur. no. 1:79-80 Ja-F '61.

HYDRATION

Effect of the concentration of monohydrate on the [illegible] of absorption of sulfur trioxide. L. IA. Zhivotinskii and others. Khim. prom. no. 7:505-506 Jl '63.

Hydration of tertiary amylenes in the presence of KU-2 cation exchanger and accompanying [illegible] N. G. Polianskii and others. Kin. i kat. 4 [illegible] 910 Ji-Ag '63.

HYDRAULIC CONVEYING

(see also subdivision under Kursk Magnetic Anomaly)

Calculation of the haulage capacity of a hydraulic conveying system. A. P. Korshunov. Gor. zhur. no. 8 35-36 O '63.

Density distribution in a transversal section of [illegible] a hydraulic mixture. I. I. Bulidakov. Nauch. [illegible] 18 187-191 '63.

Efficient methods for the control of the hydraulic conveying of sugar beets to sugar factories. M. I. Skvi[illegible] A. A. Rokitskii. Sakh. prom. 37 no. 11 [illegible]

Method of calculating the crushing of coal in pipelines during hydraulic conveying. V. V. Trainin. Ugol' no. 9 37-41 S '63.

Method of designing a pulp thickener in the pipeline. V. V. Dobrovol'skii. Nauch. soob. KIGI 18 182-187 '63.

Modeling hydroabrasive wear of pulp ducts. G. P. Tsi[illegible] ninov. Shakht. stroi. 7 no. 8 16-17 Ag '63.

HYDRAULIC ENGINEERING

(see also subdivision under Kirghizistan)

Form of the curve of local scouring. V. N. Turkin. Trudy OmSKhI 41:141-146 '60.

Instruments and methods for determining the coefficient of counterpressure in the concrete of hydraulic structures based on the measurements of the deformation of bodies. V. M. Moiseenko. Trudy OmSKhI 41 53-114 '60.

Sectional conduits for engineering systems. A. I. Kargaskala, P. A. Nikanorov, N. IA. Tsukerman. Stroi. i arkhit. Len. 25 no. 7:27-28 Jl '63.

HYDRAULIC ENGINES—BRAKES

Throttle braking of a hydraulic axial piston engine. IU. V. Zvonkov. Stan. i instr. 34 no. 10:38-40 O '63

HYDRAULIC JUMP

Determining tail water depth downstream from the hydraulic jump. A.S.Inozemtsev Trudy OmSKhI 41 115-121 '60.

HYDRAULIC LABORATORIES see subdivision under Kirghizistan

HYDRAULIC MACHINERY

Experiments in the use of a tensiometer for measuring the hydraulic pressure in the oil pipes of hydraulic equipment K.V.Klement'ev, V.I.Bul'bo. Trakt.i sel'khozmash. 33 no.6 31-36 Ag '63

HYDRAULIC MINING

Working practice of the hydraulic section of "Zimogor'ye" Mine No. 63 of the "Leninugol'" Trust. P.I. Podkolzin, P.L. Kovalevskii. Nauch. trudy KHGI 11 76-80 '62.

HYDRAULIC MINING—MANAGEMENT

Technical and economic indices of the "Odesskaia-Komsomol'skaia" Hydraulic Mine No. 2 for the years 1961 and 1962. P. Kh. Sivaks. Ugol' 38 no.9 44-45 S '63.

HYDRAULIC PRESSES

Hydraulic press for repressing rotor iron. I.N. Strelkov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no.11 36-37 '63.

Presses for the production of bent-glued furniture parts. S. IA. Novikov. Der. prom. 12 no.8 19-21 Ag '63.

Small, 30,000-ton hydraulic forging press. V.A. Novoselov. Kuz.-shtam. proizv. 5 no.8 31-33 S '63.

HYDRAULIC STRUCTURES

Design of long settling tanks. M. IA. Krupik. Izv. vys. ucheb. zav.; energ. 6 no.6 115-119 Je '63

Features of water intake from a river during the low-water period by port-type water intakes. I.K. Fedichkin and others. Izv. vys. ucheb. zav., energ. 6 no.6 111-114 Je '63.

Krasnolarskii, V.V., R.P. Nosov, and G. IA. Frenkel', [Corrosion and the protection of metal parts of hydraulic engineering structures] Korrozila i zashchita metallokonstruktsii gidrotekhnicheskikh sooruzhenii. Moskva, Gosenergoizdat, 1963, 198 p.

Underwater assembly of precast slip ways on shell piles N.V. Krasev, G.D. Khaskhachikh. Transp. stroi. 12 no.3 26-30 Mr '62

HYDRAULIC STRUCTURES—PAINTING

Selecting the primers and method of surface preparation for the painting of hydraulic structures operated in seawater V.F. Negreev, R.G. Gadzhieva, IU.E. Sinitsyna Lakokras. mat. i ikh prim. no.5 36-40 '63.

HYDRAULIC TURBINES

Experimental study of cast iron flange connectors of hydraulic turbine joints. L.A. Kogan, V.K. Sisimokov, M.K. Nemtsova. Trudy Ural. politekh. inst. no.102 132-145 '61.

Review of B.N. Tardov's book "General geometry of the hydrogenerators of operational hydroelectric power stations." G.K. Zherve, V.V. Dombrovskii. Elektrichestvo no.11 90-92 N '63.

HYDRAULICS

Effect of the length of a rigid reinforcement on the erosive capacity of the stream in the erosion funnel below low-head gate dams I.F. Ivashchenko Dop. AN URSR no.12, 1571-1574 '61

HYDRAULICS—PROGRAMMED INSTRUCTION

Practical exercises with the use of a programmed aid. I.I. Voskresenskii, K.V. Voskresenskaia. Vest. vys. shkoly 21 no.10:27-29 O '63.

HYDRAZINE

Hydrazine additives in the preparation of feedwater. S.A. Karasev. Sakh. prom. 37 no.11:73 N '63.

Synthesis of pyrazolines from acetylenic chlorides and hydrazine. B.V. Ioffe, D.D. TSitovich. Zhur. ob. khim. 33 no.10:3449 O '63.

HYDRAZINE—ABSORPTION SPECTRA

Infrared absorption spectrum of deuterated hydrazine vapors. IU.I. Kotov and others. Opt. i spektr. 15 no.4:564-565 O '63.

HYDRAZONIUM COMPOUNDS

Aminonitrile cleavage of quaternary aldehyde hydrazonium salts. B.V. Ioffe, Z.I. Sergeeva, K.M. Dervinskaite. Zhur. ob. khim. 33 no.8:2794-2795 Ag '63.

HYDRIDES

Synthesis of derivatives of carboxylic acids from carbon monoxide, olefins, and acylable compounds. Part 10: Synthesis of carboxylic acid esters from unsaturated hydrocarbons, donors of hydride ions. K.V. Puzitskii, IA.T. Eidus, K.G. Riabova. Zhur. ob. khim. 33 no.10: 3278-3282 O '63.

HYDRIDES—ABSORPTION SPECTRA

Infrared absorption spectra of some simple hydrides. V.I. Mikheeva, N.N. Mal'tseva. Zhur. strukt. khim. 4 no.5:698-702 S-O '63.

HYDROBIOLOGY see subdivision under Dnieper River

HYDROCARBONS

Application of crystallization for the separation and purification of aromatic hydrocarbons B.N. Vol'fson, Koks i Khim. no.10 58-61 '63.

Diffusion coefficients of binary mixtures of some hydrocarbon vapors into air. IU.D. Vasilevskaia. Izv. vys. ucheb. zav., neft' i gaz 5 no.1:59-64 '62.

Direction of the addition of hydrogen halides to enyne hydrocarbons with conjugated and nonconjugated multiple bonds. A.A. Petrov, IU.I. Porfir'eva. Zhur. ob. khim. 33 no.10 3215-3223 O '63.

Exothermic catalytic pyrolysis of unsaturated and aromatic hydrocarbons. IA.M. Paushkin, T.P. Vishniakova, A.P. Smirnov. Neftekhimiia 1 no.4:514-520 Jl-Ag '61.

Kinetics of the formation of carbon black during the turbulent burning of liquid hydrocarbons. V.F. Surovikin. Kauch. i rez. 22 no.9:34-37 S '63.

Mass spectra and structure of organic compounds. Part 8 Mass spectra of some allene hydrocarbons with tert-butyl radicals A.A. Poliakova, R.A. Khmel'nitskii, A.A. Petrov. Zhur. ob. khim 33 no.8 2518-2525 Ag '63.

Obtaining C_2 - C_4 monomers by pyrolysis of hydrocarbon mixtures isolated from petroleum. Kh.I. Aresnidze, G.O. Chivadze. Neftekhimiia 3 no.4 518-522 Jl-Ag '63.

Preparation of acetylenic concentrates from gaseous products obtained in the electrocracking of liquid hydrocarbons by the thermal displacement method. O.P. Krivoruchko and others. Neftekhimiia 3 no.4 523-530 Jl-Ag '63.

Preparation of acetylenic tin hydrocarbons by the direct substitution of a tin-containing group for acetylenic hydrogen. V.S. Zavgorodnii, A.A. Petrov. Zhur. ob. khim. 33 no.8 2791 Ag '63.

Quantitative determination of allene in the propane-propylene fraction by infrared spectrometry. V.M. Mamedova, A.N. Shmulin, A.E. Pontianskii. Neftekhimiia 3 no.4 620-621 Jl-Ag '63.

Quantity of liquid petrolatum during modification with tripoli from the Zireev Mine for chromatographic separation of hydrocarbons. N.A. Kudriavtseva, A.I. Tarasov, A.I. Shchipanova. Khim. i tekh. topl. i masel 8 no.10 59-62 O '63.

Review of Al.A. Petrov's book "Catalytic isomerization of hydrocarbons", A.F. Plate Neftekhimiia 1 no.3 444-445 My-Je '61.

Separation of sulfur compounds from aromatic hydrocarbons by means of adsorption. N.I. Chernozhukov, K.A. Shchegrova. Izv. vys. ucheb. zav.; neft' i gaz 5 no.1:51-56 '62.

Solubility in the systems liquid ammonia - acetylenic hydrocarbons at low temperatures. S.F. Shakhova, G.E. Braude. Khim. prom. no.7:510-513 Jl '63.

Some algebraic relations in chemistry. System of equations for the balance of hydrocarbon mixtures and its consequences. B.A. Smirnov. Neftekhimiia 1 no.4:449-458 Jl-Ag '61.

Synthesis and properties of C_{24} cyclic hydrocarbons. Al.A. Petrov and others. Neftekhimiia 3 no.4:465-471 Jl-Ag '63.

Synthesis and properties of C_{28} polycyclic hydrocarbons. E.I. Bagrii, P.I. Sanin, Al.A. Petrov. Neftekhimiia 3 no.4 456-464 Jl-Ag '63.

Synthesis of derivatives of carboxylic acids from carbon monoxide, olefins, and acylable compounds, Part 10: Synthesis of carboxylic acid esters from unsaturated hydrocarbons, donors of hydride ions. K.V. Puzitskii, IA.T. Eidus, K.G. Riabova. Zhur. ob. khim. 33 no.10: 3278-3282 O '63.

Synthesis of enyne hydrocarbons starting from acetylenic β-glycols. T.A. Favorskaia, IU.M. Portniagin. Zhur. ob. khim. 33 no.8:2702 Ag '63.

Thermocatalytic conversions of hydrocarbons of a petroleum C_6-fraction on Al_2O_3-Pt catalyst. R.I. Izmailov and others. Neftekhimiia 1 no.4:505-508 Jl-Ag '61.

Use of the oxidation method for determining the structure of aromatic hydrocarbons from petroleum fractions. E.A. Robinzon and others. Neftekhimiia 3 no.4:598-608 Jl-Ag '63.

HYDROCARBONS—ABSORPTION SPECTRA

C - H stretching vibrations of alkanes, aromatic and phenylcyclane hydrocarbons. M.P. Teterina, Al.A. Petrov. Neftekhimiia 3 no.4:451-455 Jl-Ag '63.

HYDROCARBONS—ANALYSIS

Melting points, heats of melting and cryoscopic constants of some hydrocarbons and other organic compounds N.I. Liashkevich. Neftekhimiia 1 no.3:329-334 My-Je '61.

Separation of C_8- C_{14} aromatic hydrocarbons by the gas-liquid chromatography. I.A. Musaev and others. Neftekhimiia 1 no.4:459-472 Jl-Ag '61.

HYDROCARBONS—SPECTRA

Investigation of the oscillation spectra of hydrocarbons of the 1,1-diphenylethane series. M.M. Kusakov and others. Neftekhimiia 1 no.3:317-328 My-Je '61.

HYDROCHLORIC ACID

Kinetics of solution of natural borates in hydrochloric acid solutions. A.B. Zdanovskii, V.M. Imamutdinova. Zhur. prikl. khim. 36 no.8 1675-1680 Ag '63.

Purification and concentration of serums by the method of peptic digestion with hydrochloric acid [with summary in English]. S.M. Preger, A.G. Dutova. Trudy Tom-NIIVS 12:242-245 '60.

Sydnones and sydnone imines. Part 17. Opening of the ring of sydnone imines under the effect of hydrochloric acid. L.E. Kholodov, V.G. IAshunskii. Zhur. ob. khim. 33 no.10 3409-3412 O '63.

HYDROCYANIC ACID

Effect of various factors on the prussic acid content of sorgo. I.A. Dranenko and others Nauch. trudy Vses sel.-khoz. inst. no.5:135-142 '62.

HYDRODYNAMICS

Determination of correlations in a locally isotropic turbulent flow. G.S. Golitsyn Prikl. mat. i mekh. 27 no.1:61-74 Ja-F '63.

Diffusion stream from a moving drop. M.Kh. Kishenevskii, T.S. Korotenko. Zhur. prikl. khim. 36 no.8:1868-1871 Ag '63.

Dispersion and random error in measuring the temperature of a locally isotropic turbulent flow IU.L. Rozenshtok. PMTF no.5:132-135 S-O '63.

Entry of a cone into a noncompressible inhomogeneous liquid E.M. Nersisian. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 16 no.5 83-90 '63.

Free flow of thin films of viscous liquids on a vertical surface [with summary in English]. B.S. Kasimov, F.F. Zigmund. Inzh.-fiz. zhur. 6 no.11:70-75 N '63.

Impact of a piecewise smooth contour in symmetric jet flow. S.I. Pai-khomovskii Izv. vys. ucheb. zav., mat. no.5:89-96 '63.

Liquid flow with formation of closed cavitation hollows. A.E. Khoperskov. PMTF no.5 51-61 S-O '63.

Partial case of the motion of a conducting fluid in a plane channel. K.E. Dzhaugashtin. Zhur. tekh. fiz. 33 no.8 954-960 Ag '63.

HYDROELECTRIC POWER

Nesteruk, F.IA. [Hydroelectric power development in the U.S.S.R.] Razvitie gidroenergetiki SSSR Moskva, Izd-vo Akad. nauk SSSR, 1963 382 p.

HYDROELECTRIC POWER STATIONS
(see also subdivision under Nigeria; Pats Valley; Siberia, Eastern; Soviet Far East; Yenisey River, see also Bratsk Hydroelectric Power Station; Kakhovsk Hydroelectric Power Station; Toktogul Hydroelectric Power Station)

Calculation of annual modes of operation of hydroelectric power stations using electronic computers B.I. Nikitin, S.B. Elakhovskii. Izv. AN SSSR Energ. i transp. no.4 548-554 Jl-Ag '63.

Precast reinforced concrete and method of standardizing hydroelectric power stations. M.I. Syroezhin. Sbor. nauch. rab. DVNIIS no.1:209-214 '61.

Review of B.N. Tardov's book "General geometry of the hydrogenerators of operational hydroelectric power stations," G.K. Zherve, V.V. Dombrovskii. Elektrichestvo no.11:90-92 N '63.

HYDROGEN

Gas evolution kinetics in low-temperature radiolysis of paraffin and polyethylene. G.K. Vasil'ev, V.E. Skurat, V.L. Tal'roze. Dokl. AN SSSR 152 no.2:356-358 S '63.

HYDROGEN—ANALYSIS

Chromatographic determination of hydrogen in binary mixtures of gases. B.V. Eroffev, L.S. Kravchuk. Dokl. AN BSSR 7 no.4:247-250 Ap '63.

Use of Warburg's manometric method for microdetermination of active hydrogen and catalytic hydrogenation [with summary in English]. B.G. Belen'kii, L.O. Bol'shakova. Zhur. anal. khim. 18 no.7:873-879 Jl '63.

HYDROGEN HALIDES

Direction of the addition of hydrogen halides to enyne hydrocarbons with conjugated and nonconjugated multiple bonds. A.A. Petrov, IU.I. Porfir'eva. Zhur. ob. khim. 33 no.10:3215-3223 O '63.

HYDROGEN-ION CONCENTRATION

Effect of the electrolyte acidity on the properties of cobalt electrodeposits. N.A. Balashova, Sl. Rashkov. Dokl. AN SSSR 152 no.4:896-898 O '63.

The pH of vaginal and cervical secretion in cows. V.G. Semakov, L.N. Gorokhov. Trudy VIZH 24:332-335 '62.

Synthesis of thiazolidinone derivatives of biological interest. Part 15: Acidic properties of derivatives of 4-thiazolidinone and 4-thiazanone. E.V. Vladzimirskaia, IU.M. Pashkevich. Zhur. ob. khim. 33 no.10: 3149-3153 O '63.

HYDROGEN ISOTOPES

Isotopic exchange of hydrogen in methyl derivatives of nitrogen heterocycles and their oxides. Part 1: α-picoline, quinaldine, and their N-oxide. N.N. Zatsepina, I.F. Tupitsyn, L.S. Efros. Zhur. ob. khim. 33 no.8: 2705-2712 Ag '63.

INDONESIA—COMMUNIST PARTY

[illegible] D. N. [Selected works and speeches] [illegible] [Translated from the Indonesian] Izbrannye proizvedeniia [illegible] Moskva, Izd-vo inostr. lit-ry, 1962. 782 p.

INDONESIA—DESCRIPTION AND TRAVEL

[illegible]

INDONESIA—ECONOMIC CONDITIONS

[illegible] of the Indonesian people. M. Arsenin. [illegible]

INDONESIA—ECONOMIC POLICY

[illegible] [illegible] planning in Indonesia and [illegible] [Translated in English.] G. I. Ulufran. [illegible] Ves. AN SSSR. Ist. SSSR. [illegible] 17-31 '63.

INDONESIA—FOREIGN RELATIONS—RUSSIA

[illegible] Indonesia. K. Zelenin. Vest. AN [illegible] 10 '63.

INDONESIA—GEOLOGICAL SURVEYS

[illegible] K. F. Zelenin. Priroda 52 [illegible] '63.

INDONESIA—HARBORS

[illegible] of Tanjung Priok. Iu. S. Makarov. Vest. Mosk. un. Ser. 5, Geog. 18 no. 5 26-31 S-O '63.

INDONESIA—INDUSTRIES

[illegible] to the development of the state sector of [illegible] [Russian text] [Russian summary in English, p. 256]. [illegible] Vest. Mar. Az. i Afr. no. 5 34-41 '63.

INDONESIA—OCEANOGRAPHIC RESEARCH

[illegible] of the study of Indonesian seas. V. P. Ve[illegible] Okeanologiia 3 no. 3 556-573 '63.

INDONESIA—POLITICS AND GOVERNMENT

Aidit, D. N. [Selected works, articles and speeches. Translated from the Indonesian] Izbrannye proizvedeniia, stat'i i rechi. Moskva, Izd-vo inostr. lit-ry, 1962. 732 p.

"The principles of constitutional democracy in Indonesia" [by Soebardjo] [illegible] Reviewed by N. A. Simonia. Nar. Az. i Afr. no. 5 196-200 '63.

INDONESIA—RELATIONS (GENERAL) WITH RUSSIA

[illegible] to Indonesia. F. A. Martalogina. Kul'tura i zhizn. [illegible] '63.

INDONESIA—SOCIALIST PARTY

The Partai Rakjat Nasional and the Indonesian left-wing Socialist Democrats [with summary in English, p. 259] V. B. Belov'Pil. Nar. Az. i Afr. no. 5 86-96 '63.

INDUCTION HARDENING

Hardening of large pinion gears by high-frequency currents. A. G. Shkhinan. Khim. mashinostr. no. 3 39-42 My-Je '63.

INDUSTRIAL ARBITRATION see Arbitration, Industrial

INDUSTRIAL BUILDINGS

Basic requirements in the design and planning of the buildings for meat and fat shops. S. Buharover. Miasn. ind. SSSR 34 no. 5 16-21 '63.

Designing of new types of industrial buildings. V. A. Myslin. Izv. AGiA no. 3 19-31 '61.

Institute of Industrial Buildings and Structures. E. I. Kantchenko. Iz. AGiA no. 4 120-122 '61.

Tallinn. Politekhnilise instituut. [Fundamentals of the design of industrial buildings] Osnovy proektirovaniia promyshlennykh zdanii; konspekt lektsii. Sost. Kh. P. Orlov. Tallin, 1962. 119 p. (Kurs arkhitektury, razdel III A)

INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION

Designing of assembly projects of structural elements and [illegible] of industrial installations. S. Iu. Fukson. Prom. stroi. 41 no. 6 53-55 S '63.

Nomenclature of precast reinforced concrete construction and standardized outline drawings of multistory industrial buildings. Biul. stroi. tekh. 20 no. 10 24-27 O '63.

"Production buildings of industrial enterprises. Design specifications." Biul. stroi. tekh. 20 no. 10 11-17 O '63.

Using foreign methods for designing and building industrial enterprises. Biul. stroi. tekh. 20 no. 8 45-46 Ag '63.

INDUSTRIAL BUILDINGS—STANDARDS

Sanitation standards for designing industrial enterprises. Biul. stroi. tekh. 20 no. 10 18-21 O '63.

INDUSTRIAL CAPACITY

Simultaneous census of the productive capacity of operating industrial enterprises. G. IAkubovich. Vest. stat. no. 10 87 '63.

INDUSTRIAL COSTS see Costs, Industrial

INDUSTRIAL DESIGN see Design, Industrial

INDUSTRIAL EFFICIENCY see Efficiency, Industrial

INDUSTRIAL ELECTROCHEMISTRY see Electrochemistry, Industrial

INDUSTRIAL EQUIPMENT

Machine accounting for the utilization of equipment. V. Chirkov. Vest. stat. no. 10 70-71 '63.

INDUSTRIAL EQUIPMENT—MAINTENANCE AND REPAIR

Work of the Scientific Council in increasing the reliability and durability of machines, equipment and devices. A. N. Demlianovich. Vest. mashinostr. 43 no. 10 86-87 O '63.

INDUSTRIAL HYGIENE
(see also subdivision under Bashkiria, Leningrad; Lyubertsy, Novolipetsk, Rostov Province)

Community participation. Okhr. truda i sots. strakh. 6 no. 10 32-33 O '63.

Factory, people and aesthetics. V. Druianov, IU. Rybchinskii. Sov. Soiuz no. 8 22-25 '63.

From congress to congress. N. N. Romanov. Okhr. truda i sots. strakh. 6 no. 10 1-3 O '63.

From Moscow residents to the forum of trade unions. S. Kropov. Okhr. truda i sots. strakh. 6 no. 10 6-8 O '63.

Interrelation between physical education and workload for juvenile workers. G. Glivitskii. Uch. zap. Mosk. nauch.-issl. inst. sanit. i gig. no. 2 44-45 '59.

Let's show more initiative! V. Oparin. Okhr. truda i sots. strakh. 6 no. 11 3-4 N '63.

On the front line. D. Berkovich. Okhr. truda i sots. strakh. 6 no. 10 22-23 O '63.

Under the banner of October. Okhr. truda i sots. strakh. 6 no. 11 1-2 N '63.

INDUSTRIAL HYGIENE—LAW AND LEGISLATION

Responsibility for the violation of industrial safety rules. A. Shchedrina. Sov. iust. no. 18 18-20 Jl '63.

INDUSTRIAL HYGIENE—RESEARCH
(see also subdivision under Ufa)

In the laboratories of an institute. A. Letavet. Okhr. truda i sots. strakh. 6 no. 10 21-22 O '63.

INDUSTRIAL LAWS AND LEGISLATION
(see also subdivision under Soviet Central Asia)

Characteristics of the legal acts of economic councils [with summary in English]. A. A. Fedoseev. Vest. LGU 18 no. 17 117-121 '63.

The types of government-owned industrial enterprises. O. Pushkin, I. Krasiko. Rad. pravo no. 4 70-77 Jl-Ag '63.

INDUSTRIAL MANAGEMENT
(see also subdivision under Donetsk Province; Gomel'; Kazakhstan, Moldavia, Siberia, Soviet Central Asia; Tashkent, Tiraspol', White Russia)

Akademiia nauk SSSR. Sibirskoe otdelenie. Institut ekonomiki i organizatsii promyshlennogo proizvodstva. [Economic problems of mastering new enterprises] Ekonomicheskie voprosy osvoeniia novykh predpriiatii. Pod obshchei red. V. S. Sominskogo. Novosibirsk, Izd-vo Sibirskogo otd-niia, 1963. 231 p.

Assistance groups are the main support of the party committees which control the work of governmental agencies and industrial enterprises. I. Rukhmatov. Komm. Uz. 35 no. 8 85-90 Ag '63.

Important conditions for increasing labor productivity. A. Khoteev. Polit. samoobr. 7 no. 9 32-37 S '63.

Improving the organization of labor and production in the auxiliary work of industrial enterprises. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 5 18-27 S-O '63.

Konev, V. D., and S. M. Ruchin. [Organization of accounting at enterprises, practices of the Gorkiy Automobile Plant] Organizatsiia ucheta na predpriiatii, opyt Gor'kovskogo avtozavoda. Moskva, Gosfinizdat, 1962. 77 p.
(MIU)

Mechanization of the operations for wage computations. F. O. Haidabas. Leh. prom. no. 3 75-82 Jl-S '63.

Method for determining the norms for corrections in the wage fund. N. Grinberg. Miasn. ind. SSSR 34 no. 5 37-39 '63.

On the road to a new science. L. Lopatnikov. Nov. mir 39 no. 1 269-272 Ja '63.

Petrov, V. A. [Detailed operational and industrial planning by the use of punched-card machines] Podetal'noe operativno-proizvodstvennoe planirovanie s ispol'zovaniem schetno-perforatsionnykh mashin; stenogramma doklada na Vserossiiskom soveshchanii po mekhanizatsii inzhenernogo i upravlencheskogo truda v promyshlennosti i stroitel'stve. Leningrad, 1963. 28 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia Mekhanizatsiia inzhenernogo i upravlencheskogo truda)

Shchukin, A. G., and B. IA. Shkol'nikov. [Technical, industrial and financial plan of enterprises of local importance] Tekhpromfinplan predpriiatii mestnogo znacheniia. Moskva, Ekonomizdat, 1963. 295 p.

Throw the light, "Searchlight of the [illegible] Leaguel" Tekh. mol. 30 no. 8 1-3 '62.

Trade unions and industry. G. Alekseev. [illegible] 10 no. 15, 98-105 O '63.

A way to improve our planning. I. Arkhipov. [illegible] Mold. 8 no. 8 38-41 Ag '63.

Ways for increasing the production level [illegible] introduction of hard-alloy and diamond [illegible] Gellert. Biul. tekh.-ekon. inform. Gosplan [illegible] inst. nauch. i tekh. inform. 16 no. 10 [illegible]

INDUSTRIAL MANAGEMENT—BIBLIOGRAPHY
Bibliography—Industrial management

INDUSTRIAL MEDICINE see Medicine, Industrial

INDUSTRIAL ORGANIZATION
(see also subdivision under Soviet Central Asia)

Distribution of meat industry enterprises. [illegible] Miasn. ind. SSSR 34 no. 5 15-17 '63.

Sheviakov, F. N. [Technological progress and [illegible] structure; the role of technological properties in [illegible] structural changes of production] Tekhnicheskii progress i struktura proizvodstva; rol' tekhnologicheskikh [illegible] progressa v strukturnykh sdvigakh promyshlennosti. Moskva, Izd-vo "Znanie," 1963. 30 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Seriia Ekonomika, [illegible])

The types of government-owned industrial enterprises. O. Pushkin, I. Krasiko. Rad. pravo no. 4 [illegible] '63.

INDUSTRIAL PAINTING see Painting, Industrial

INDUSTRIAL PLANTS

Air removal by exhaust methods with simultaneous separation of dust and vapor. A. M. Gerasimov. [illegible] vent. no. 9 56-62 '60.

INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION
(see also subdivision under Fergana)

Improved shelters for areas of loading materials [illegible] conveyors and method of their design. [illegible] shenko. Prom. vent. no. 9 23-26 '60.

INDUSTRIAL PLANTS—EQUIPMENT AND SUPPLIES

Generalizing the experience acquired in the [illegible] crushing departments of sintering plants and refractories manufactories. A. M. Gerasimov. [illegible] no. 9 5-12 '60.

INDUSTRIAL PLANTS—HEATING AND VENTILATION

Calculating the volume of air removal by exhaust apparatuses as recommended by established standards in the dedusting of crushing-sintering plants at refractories manufactories. A. M. Gerasimov. [illegible] no. 9 13-20 '60.

Studying the mutual effect of elbows and [illegible] V. N. Litvin. Prom. vent. no. 9 15 [illegible] '60.

INDUSTRIAL POWER TRUCKS
(see also subdivision under Sweden)

Efficient use of fork loaders. V. A. Alekseev. [illegible] kond. prom. 6 no. 1 31-32 Ja '62.

INDUSTRIAL PROCUREMENT

Make fuller use of available materials and [illegible] M. Kiriantsev, D. IAkerson. Komm. Mold. [illegible] 37 Ag '63.

INDUSTRIAL RAILROADS see Railroads, Industrial

INDUSTRIAL RESEARCH see Research, Industrial

INDUSTRIAL TELEVISION

Industrial television sets for mining, ore dressing and metallurgical industries. L. L. Kitaiskii. Mosk. [illegible] Stal' 23 no. 10 956-957 O '63.

A PTU-3 industrial television system for lecture demonstrations. V. Polikarpov. Radio no. 10 [illegible] '63.

Television unit with a memory tube for making [illegible] G. N. Griazin. Izv. vys. ucheb. zav. pribor. 6 [illegible] 140 '63.

INDUSTRIAL TOXICOLOGY

Use of the method of correlative groups of isotopes [illegible] discovering the relation between the physical properties of substances and their toxicity. [illegible] blina, A. A. Golubev. Prim. mat. metod v biol. [illegible] 90-93 '63.

INDUSTRIAL WASTES
(see also subdivision under Leningrad Province)

Content of 3, 4 benzpyrene in the waste waters of [illegible] and coal chemicals industries. N. IA. Ainyshena, P. P. Fedorenko, IA. I. Kontovetskii. Koks i khim. [illegible] 12 44-48 '63.

Production and discharge of liquid waste in the [illegible] facture of synthetic alcohol. M. T. Golubeva, N. P. Smirnova. Uch. zap. Mosk. nauch.-issl. inst. sanit. i gig. no. 9 117-120 '61.

Using wastes from other branches of industry. N. V. Grekhotov, V. A. Kropotov. TSement 29 no. 5 3-5 S-O '63.

INDUSTRIAL WASTES—PHYSIOLOGICAL EFFECT

Effect of wastes of a metallurgical plant on the health of the population, N. A. Efimov and others. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9:73-76 '61.

INDUSTRIAL WASTES—PURIFICATION

Operation of settling basins at the Saratov Refinery. A. I. Bereza, V. V. Alekseev, V. M. Andreev. Khim. i tekhnol. topl. i masel. 8 no. 10:27-29 O '63.

Pollution of the sewage waters of leather factories. N. I. Lanov. Leh. prom. no. 3:19-51 Jl-S '63.

Use of hexachlorobutadiene for combating "blooming" of industrial water. L. V. Arkhipova and others. Khim. prom. no. 7:498-501 Jl '63.

Use of hydrocyclones for the clarification of flume waters. P. I. Slitin. Sakh. prom. 36 no. 9:33-35 S '62.

INDUSTRIALIZATION see subdivision under Moscow Province

INDUSTRIES, LOCATION OF see subdivision under Imeretiya, Racha-Lechkhumi, Yenisey Valley

INDUSTRY—ABSTRACTS

[Economics of industry] Ref. zhur.: Ekon. prom. no. 11 N '63.

INERTIAL NAVIGATION (AERONAUTICS)

Perm'. Politekhnicheskiy institut. Kafedra giroskopicheskikh priborov i ustroystv. [Physical fundamentals of inertial navigation; manual for students specializing in "Gyroscopic instruments and devices"] Fizicheskie osnovy inertsial'noi navigatsii, posobie dlia studentov spetsial'nosti "Giroskopicheskie pribory i ustroistva." Perm'.

Pt 2. 1963. 35 p.

[MICROFILM]

INERTIAL NAVIGATION (ASTRONAUTICS)

Atom as a space rudder. V. Evgen'ev. Znan.-sila 38 no. 5:36-37 My '63.

INEQUALITIES (MATHEMATICS)

Evaluation of a region of existence of periodic solutions. V. S. Serebriakova. Izv. vys. ucheb. zav.; mat. no. 5:105-112 '63.

Inequalities for harmonic polynomials. IA. S. Bugrov. Izv. vys. ucheb. zav.; mat. no. 5:12-23 '63.

Some inequalities between the norms of partial derivatives of functions of several variables. V. P. Il'in. Dokl. AN SSSR 152 no. 2:262-265 S '63.

Theorems on difference inequalities for multiple-point difference boundary value problems. A. L. Teptin. Mat. sbor. 62 no. 3:345-370 N '63.

INFANTS—CLOTHING

Materials on the hygienic evaluation of clothing for children of preschool age. F. M. Voznesenskaia. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2:75-77 '59.

INFANTS—DISEASES

Acrodermatitis enteropathica [with summary in English]. M. G. Mirzoeva. Vest. derm. i ven. 36 no. 10:35-38 O '62.

Classification of gastrointestinal diseases of small children. G. N. Speranskii, A. S. Rozental'. Pediatriia 42 no. 5:55-57 My '63.

Clinical aspects and treatment of hypotrophy accompanied by frequent vomiting. V. I. Chistiakova. Trudy mol. nauch. sotr. MONIKI no. 1:85-90 '59.

Clinical characteristics of dysentery in children during their first year of life. O. N. Alekseeva. Pediatriia 42 no. 5:68-73 My '63.

Etiological structure of intestinal infections in small children. A. P. Afanas'eva and others. Pediatriia 42 no. 5:57-63 My '63.

Gangrene of the skin in erythroderma desquamativum in an infant. F. A. Zver'kova, N. V. Litvinok. Vest. derm. i ven. 36 no. 10:77-79 O '62.

Some problems of the pathogenesis of intestinal diseases caused by coli infections in young children [with summary in English]. V. P. Davidov, IU. V. Galaev, E. M. Gubarev. Pediatriia 42 no. 5:63-68 My '63.

INFANTS—MORTALITY

Causes of and means for reducing newborn mortality. A. IA. Markov. Kaz. med. zhur. no. 1:47-48 Ja-F '61.

INFANTS—NUTRITION

Anemia in children fed with goat's milk. K. V. Stepanova. Trudy mol. nauch. sotr. MONIKI no. 1:123-127 '59.

Clinical aspects and treatment of hypotrophy accompanied by frequent vomiting. V. I. Chistiakova. Trudy mol. nauch. sotr. MONIKI no. 1:85-90 '59.

Indicators of the freshness of milk mixtures for children (Cherny's mixture) [with summary in English]. A. V. Bogolubova. Vop. pit. 22 no. 1:59-62 Ja-F '63.

INFANTS—SURGERY

Primary suture in antrotomy in breast-fed infants and young children. A. M. Akimova, N. L. Pinegina. Trudy mol. nauch. sotr. MONIKI no. 1:65-69 '59.

INFANTS (NEWBORN)

Characteristics of the development of thermoregulation reactions in newborn infants and the problem of the substantiation of the temperature and humidity regime required for them. I. A. Arshavskii, S. I. Enikeeva. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:3-5 '61.

INFANTS (NEWBORN)—DISEASES

Malignant tumors of the adrenal glands in newborn infants. IU. G. Iudin. Trudy mol. nauch. sotr. MONIKI no. 1:111-142 '59.

Rhinocytoscopy in newborn infants as a method of early diagnosis of influenza. T. I. Buzhievskaia. Pediatriia 42 no. 5:20-27 My '63.

INFLAMMABILITY

Maximum explosion-proof concentration of oxygen in mixtures with fuel gases. A. I. Rozlovskii, B. B. Brandt. Khim. prom. no. 7:518-519 Jl '63.

INFLORESCENCE

Structure of spikelet glumes and flowering glumes in male and female inflorescences of corn. I. A. Palamarchuk. Nauch. dokl. vys. shkoly; biol. nauki no. 4:110-115 '63.

INFLUENZA
(see also subdivision under Prokop'yevsk, Tomsk)

Anatomical changes of the brain in influenzal psychoses, abstract. V. K. Skobnikova. Kaz. med. zhur. no. 1:116 Ja-F '61.

Appendicitis in influenza patients; abstract. A. A. Titarenko. Kaz. med. zhur. no. 1:114 Ja-F '61.

Clinical characteristics of sporadic cases of influenza. N. I. Morozkin, R. IA. Khersonskaia, A. I. Buslenko. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:24-25 '61.

Fluorescence method of rhinocytoscopic diagnosis of influenza in children [with summary in English]. Sun Lin'-Lin' [Sung Lin-lin]. Pediatriia 42 no. 5:15-20 My '63.

Large-photograph fluorography of the accessory sinuses of the nose in a polyclinic, results of work during an influenza epidemic. S. I. Avdonin. Kaz. med. zhur. no. 2:36-40 Mr-Ap '63.

Rhinocytoscopy in newborn infants as a method of early diagnosis of influenza. T. I. Buzhievskaia. Pediatriia 42 no. 5:20-27 My '63.

Study of influenza in its foci [with summary in English]. G. A. Korolenko. Trudy TomNIIVS 12:111-114 '60.

Treatment of influenza and its complications. R. IA. Khersonskaia. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:25 '61.

Urgent problems of clinical diagnosis of influenza and influenzalike virus infections in children [with summary in English]. S. D. Nosov. Pediatriia 42 no. 5:3-8 My '63.

INFLUENZA VIRUSES

Further study of viral inclusions in experimental influenza. N. A. Maksimovich, O. G. Petrovskaia. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:25-26 '61.

INFORMATION SERVICES
(see also subdivision under Great Britain; Poland)

Near-print industrial information; work practices of the Center for Scientific and Technological Information of the State Industrial Committee on the Gas Industry. F. D. Levin. NTI no. 3:6-9 '63.

The plan for research work in the field of scientific and technological information during 1964-65. NTI no. 7:3-4 '63.

INFORMATION SERVICES—ABSTRACTS

[Scientific and technical information] Ref. zhur.: Nauch. i tekh. inform. no. 5 S '63.

INFORMATION STORAGE AND RETRIEVAL SYSTEMS

Basic problems in mechanizing the storage and retrieval of information. N. I. Tyshkevich. NTI no. 6:3-7 '63.

Formal exposition of some general principles of information retrieval. A. I. Chernyi. NTI no. 3:21-30 '63.

Necessity of building multi-machine systems for processing information. B. E. Khaikin. NTI no. 2:36-37 '63.

Results of an inquiry concerning the use in Euratom countries of information retrieval systems. NTI no. 5:28-29 '63.

Shtinev, S. A., and P. A. Parakhin. [Building a reference and information collection with a mechanized retrieval system] Sozdanie spravochno-informatsionnogo fonda s sistemnoi mekhanizirovannogo poiska informatsii; opyt raboty TsBTI Kuzbasskogo sovnarkhoza. Moskva, Gos. nauchno-issl. in-t nauchnoi i tekhn. informatsii, 1963. 15 p. (Metodicheskie materialy, no. 1)

System of machine translation of special technical texts and retrieval of translated documents. E. A. Trakhtengerts. NTI no. 3:36-38 '63.

The Walnut system, a large capacity document storage and retrieval system. P. D. Bradshaw. [Translated from the English]. NTI no. 2:29-33 '63.

INFORMATION STORAGE AND RETRIEVAL SYSTEMS—CHEMICAL COMPOUNDS

Arbitrary block system of encoding chemical compounds. G. E. Vleduts, N. A. Stokolova. NTI no. 2:23-28 '63.

INFORMATION THEORY

Causation and information [with summary in English]. I. N. Brodskii. Vest. LGU 18 no. 17:67-76 '63.

Distribution of the instantaneous values of Chinese speech signals. IUan' Bao-tszun [Yüan Pao-tsun]. Stor. trud. LIIZHT no. 1:9-55-60 '61.

Information theory and methodology of teaching. V. G. Logashev. Vest. vys. shkoly 21 no. 10:31-33 O '63.

Ivakhnenko, A. G. [Self-teaching systems with positive feedback] Samoobuchaiushchiesia sistemy s polozhitel'nymi sviaziami, spravochnoe posobie. Kiev, Izd-vo AN USSR, 1963. 327 p.

Maximum amount of information from a receding source. V. I. Siforov. Izv. AN SSSR, Tekh. kib. no. 4:60-63 Jl-Ag '63.

Method for generating a fundamental tone. IUan' Bao-tszun (Yüan Pao-tsun). Stor. trud. LIIZHT no. 1:9-48-54 '61.

Nature of speech and its synthetic reproduction. V. N. Listov. Stor. trud. LIIZHT no. 1:9-35-47 '61.

Synthesis of an optimum filter for signals changing statistical properties at successive time intervals [with summary in English]. Avtom. i telem. 24 no. 10:1330-1337 O '63.

The theory of scientific information is a new independent scientific discipline. A. I. Mikhailov, V. A. Polushkin. NTI no. 3:3-5 '63.

The value of information [with summary in English]. M. K. Gavurin. Vest. LGU 18 no. 19:27-34 '63.

INFORMATION THEORY IN BIOLOGY

Amosov, N. M. [Cybernetics and medicine] Kibernetika i meditsina, rasshirennaia stenogramma lektsii, prochitannoi v TSentral'nom lektorii Vsesoiuznogo obshchestva "Znanie." Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no. 17)

Behavior and cybernetics. B. Kh. Curevich. Prim. mat. metod. v biol. no. 2:47-51 '63.

Quantitative evaluation of the role of the "internal" and the "external" in the development. A. A. Neifakh. Prim. mat. metod. v biol. no. 2:73-77 '63.

INFRARED DRYING APPARATUS

Control of the thermal conditions of lamp thermostats in the drying of footwear by infrared rays. V. V. Bielozub, V. F. Petrochenko, M. A. Skvirnia. Leh. prom. no. 3:11-14 Jl-S '63.

Determining dry substances in milk and dairy products by means of infrared radiation. T. S. Grigorian. Sbor. stud. rab. MTIMMP no. 7:32-33 '62.

INFRARED RAYS

Transmission of long-wave infrared radiation (40-200μ) by heated crystalline and molten quartz. O. K. Filippov, N. G. IAroslavskii. Opt. i spektr. 15 no. 4:556-561 O '63.

INFRARED RAYS—INDUSTRIAL APPLICATIONS

Unit for heating buildings in the winter. S. O. Shtisman, V. G. Pekarskii. Transp. stroi. 12 no. 3:53-54 Mr '62.

INFRARED RAYS—THERAPEUTIC USE

Joint irradiation with ultraviolet and infrared rays. IU. D. Zhilov. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 1:363-365 Jl-Ag '62.

INFRARED SPECTROMETRY

Studying the photochemical destruction of the films of alkyd and alkyd-melamine resins with the method of infrared spectroscopy. S. V. IAkubovich and others. Lakokras. mat. i ikh prim. no. 5:21-23 '63.

INFRARED SPECTRUM see Spectrum, Infrared

INGOT MOLDS

Replacing steel, circular-flanged ingot stools by graphite-containing ones. S. A. Zhikharevich and others. Ogneupory 28 no. 10:437-443 '63.

INGOT MOLDS—THERMAL PROPERTIES

Thermal stability of converter iron from large molds cast in sand and metal molds. G. I. Ivanisov. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:177-180 '63.

INGULETS VALLEY—IRON MINES AND MINING

Improving the technology of mining operations at the Ingulets Mining and Ore Dressing Combine. F. K. Alekseev, N. S. Mordovets, I. S. Malyi. Met. i gornorud. prom. no. 5:48-52 S-O '63.

INHALATION THERAPY

Vacuum insufflator with a filter for the insufflation of an anti-influenza serum and drugs in powder form. N. N. Orlova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:37-38 '61.

INHERITANCE AND SUCCESSION

Inheritance rights of heirs by operation of law in testate succession. L. IAroshynska, IE. Kurevych. Rad. pravo no. 4:99-100 Jl-Ag '63.

INHIBITION

Nature of cortical inhibition [with summary in English]. A. I. Roitbak. Zhur. vys. nerv. deiat. 13 no. 5:859-869 S-O '63.

INHIBITION (CHEMISTRY)

Kinetics and mechanism of the liquid-phase oxidation of cyclododecane of molecular oxygen. Part 4. Mechanism of the oxidation by cyclododecane studied by the method of inhibition. V. G. Bykovchenko, I. V. Berezin. Neftekhimiia 3 no. 1, 565-571 Jl-Ag '63.

Kinetics of consumption of an inhibitor introduced at the start of oxidation reaction. E. T. Denisov. Kin. i kat. 4 no. 1 508-516 Jl-Ag '63.

Sterically hindered phenolphthaleins and the possibility of using them for the study of inhibited oxidation processes. O. N. Karpukhin and others. Neftekhimiia 3 no. 4 579-583 Jl-Ag '63.

INJECTORS

Determining the coefficient of speed losses in the mixing nozzle of injectors. L. Z. Vostrokhonik. Trudy DHI no. 24 106-114 '54.

Selecting corrosion-resistant metals for the feed valve of the injector. A. S. Afanas'ev, S. L. Idel'is. Trudy DHI no. 24 166-171 '54.

INJURIES FROM ELECTRICITY see Electricity, Injuries from

INLAND WATER TRANSPORTATION

Overall automation and use of computer techniques in inland water transportation. S. A. Popov. Izv. AN SSSR Energ. i transp. no. 5 645-648 S-O '63.

Prospects of developing inland water transport routes in the U. S. S. R. G. M. Matlin. Izv. AN SSSR Energ. i transp. no. 5 591-594 S-O '63.

INOCULATION OF SOILS see Soil inoculation

INSCRIPTIONS see subdivision under Mycenae

INSCRIPTIONS, GERMAN see subdivision under Moscow

INSCRIPTIONS, GREEK see subdivision under Olbia

INSCRIPTIONS, KIPCHAK see subdivision under Novyy Saray

INSCRIPTIONS, MINOAN

"Kadmos, Zeitschrift fuer vor- und fruegriechische Epigraphie," nos. 1-2, 1962. Reviewed by S. IA. Lur'e. Vest. drev. ist. no. 3 159-163 '63.

INSCRIPTIONS, SEMITIC

An inscription from "Mesad Hashavyahu." I. D. Amusin, M. L. Gel'tser. Vest. drev. ist. no. 3 118-125 '63.

INSCRIPTIONS, TATAR

G. V. Usupov's monograph "Introduction to Bolgar Tatar epigraphy." M. R. Fedotov. Izv. AN SSSR Ser. lit. i iaz. 22 no. 5 435-439 S-O '63.

INSECT POPULATIONS see subdivision under Georgia

INSECTICIDES see subdivision under Georgia

INSECTICIDES—PHYSIOLOGICAL EFFECT

Effect of chloroorganic insecticides on the processes of tissue respiration in the imagoes and larvae of house-flies and in the caterpillars of the lackey moth. V. M. Makarevich and others. Dokl. AN SSSR 152 no. 2 475-477 S '63.

INSECTS

Statistical analysis in mowing and some other methods for determining the population of insects. L. V. Puchkova. Pratsi Inst. zool. AN URSR 17 132-139 '61.

INSECTS—DEVELOPMENT

Development of aquatic phases and the formation of the perdiapause state in female mosquitoes of the genus Culiseta. A. V. Maslov. Prim. mat. metod. v biol. no. 2 132-139 '63.

Effect of chloroorganic insecticides on the processes of tissue respiration in the imagoes and larvae of house-flies and in the caterpillars of the lackey moth. V. M. Makarevich and others. Dokl. AN SSSR 152 no. 2 475-477 S '63.

INSECTS, INJURIOUS AND BENEFICIAL
(see also subdivision under Kazakhstan; Latvia, Siberia, Western)

Leaf miners and gall insects in the middle Dnieper Valley. L. V. Puchkov. Pratsi Inst. zool. AN URSR 17 118-123 '61.

Predatory hemiptera of the U. S. S. R. useful for agriculture and forestry. V. N. Puchkov. Pratsi Inst. zool. AN URSR 17 7-18 '61.

INSECTS AS CARRIERS OF DISEASE

Reservoir of brucellosis infection in nature. I. G. Galuzo, M. M. Rementsova. Veterinariia 37 no. 2 12-15 F '60.

INSTALLMENT PLAN

Mechanization of credit sales accounting. A. Makarenko. Sov. torg. 36 no. 8 21-24 Ag '63.

INSTRUMENT FLYING

Flights with complex navigation systems. N. G. Rachkovskii. Mor. sbor. 47 no. 11 36-14 N '63.

INSTRUMENT MANUFACTURE

Smirnov-Altaev, G. A., and D. A. Vainshtaub. [Cold stamping in the manufacture of instruments.] Kholodnaia shtampovka v priborostroenii. Izd. 2, perer. i dop. Moskva, Mashgiz, 1963. 134 p.

INSTRUMENT MANUFACTURE—COST

Preliminary calculation of the cost of instruments. M. D. Plotkin. Priborostroenie no. 10 19-22 O '63.

INSTRUMENTS—BIBLIOGRAPHY see Bibliography—Instruments

INSTRUMENTS, ELECTRIC see Electric instruments

INSULATING MATERIALS

Wall panels for industrial buildings with an increased temperature and humidity regime. P. IA. Sypchuk. Prom. stroi. 41 no. 9 21-24 S '63.

INSULATING OILS

Improving the quality of transformer oil from Buzovna crude oil. R. Sh. Fatiev and others. Khim. i tekh. topl. i masel 8 no. 10 16-22 O '63.

INSULATION (HEAT)

Heat-resistant air-entrained concrete. K. Nekrasov and others. Stroitel' 9 no. 10 5-8 O '63.

Insulated arched covering for industrial buildings made from precast sandwich-core panels. A. A. Tsitlin, IU. I. Belotskin. Prom. stroi. 41 no. 10 37-38 O '63.

Production of heat-resistant air-entrained concrete has been mastered. N. Zoshchuk. Stroitel' 9 no. 10 6 O '63.

INSULATION (HEAT)—STANDARDS

"Heat insulation. Production regulations and acceptance of work." Biul. stroi. tekh. 20 no. 10 11 O '63.

INSULIN

Effect of piridrol on carbohydrate metabolism in schizophrenia patients and the possibility of its use in insulin therapy. Report No. 1 [with summary in French] V. P. Kutin. Zhur. nevr. i psikh. 62 no. 12 1815-1820 '62.

Transitory (preremission) states in schizophrenia. Report No. 2: Prognostic importance of postinsulin transitory states [with summary in French] I. Z. Gindis. Zhur. nevr. i psikh. 62 no. 12 1868-1873 '62.

Use of diathomites in the production of insulin. S. Katkovskii, S. Shvarts, A. Nedobora. Mias. ind. SSSR 34 no. 5 48-50 '63.

INSURANCE, AGRICULTURAL—LIVESTOCK

Voluntary contracts for the insurance of privately owned animals. G. N. Gendzekhadze. Vest. Mosk. un. Ser. 10 Pravo 18 no. 4, 48-53 O-D '63.

INSURANCE, SOCIAL
(see also subdivision under United States)

From congress to congress. N. N. Romanov. Okhr. truda i sots. strakh. 6 no. 10 1-5 O '63.

From the Board of the Ministry. Sots. obesp. 24 no. 10 52-53 O '63.

Granting payments in cases of temporary disability. K. Batygin. Okhr. truda i sots. strakh. 6 no. 11 41-42 N '63.

Ideological weapon of the party. Sots. obesp. 24 no. 8 1-3 Ag '63.

[State social insurance, a collection of official materials] Gosudarstvennoe sotsial'noe strakhovanie, sbornik ofitsial'nykh materialov. [Moskva] Profizdat, 1963. 366 p.

Thanks to the party for its care. A. Varshavskii. Okhr. truda i sots. strakh. 6 no. 11 30-31 N '63.

INSURANCE, SOCIAL—AUDITING AND INSPECTION

Auditing the execution of the disbursement part of social insurance estimates. V. Zhubrov. Okhr. truda i sots. strakh. 6 no. 10 36-39 O '63.

There are also volunteer inspectors. M. Belikov. Sots. obesp. 24 no. 8 6-7 Ag '63.

INSURANCE, SOCIAL—EMPLOYEES see subdivision under Dzerzhinsk (Gorkiy Province); Ivanovo Province, Moscow; Sobolevo District, Volzhskiy District

INSURANCE, SOCIAL—PERIODICALS

Herald of the struggle for workers' interests. E. Semenov. Okhr. truda i sots. strakh. 6 no. 11 11-14 N '63.

Readers discuss, suggest and advise. Sots. obesp. 24 no. 10 50-51 O '63.

INTAKES (HYDRAULIC ENGINEERING)
(see also subdivision under Kirghizistan)

Water intakes for mountainous sections of rivers. K. F. Artamonov and others. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 3 53-69 '63.

INTEGRAL CALCULUS see Calculus, Integral

INTEGRAL EQUATIONS

Approximation over an infinite interval of a system of linear integral Volterra equations by a system of algebraic equations. V. R. Vinokurov. Izv. vys. ucheb. zav. ; mat. no. 5 24-29 '63.

Derivation and solution of a system of integral equations describing the amplitudes of [illegible] mesons. V. A. Shakhbazian. Izv. Vs. Arm. SSR, ser. fiz.-mat. nauk 16 no. 5 107-118 '63.

Index of systems of n-dimensional singular integral equations. A. I. Vol'pert. Dokl. AN SSSR 152 no. 6 1282-1285 O '63.

Solution of a second-order hyperbolic differential by reducing it to a system of integral equations. I. Chekmarev. Izv. vys. ucheb. zav., mat. no. 6 [illegible] '63.

INTEGRALS

Algebraic integrals in the problem of the motion of a body in a Newtonian field of force. III. A. Vil'ke. Prikl. mat. i mekh. 27 no. 1 171-175 Ja-F '63.

Direct and inverse theorems in the theory of approximation of periodic functions by singular integrals. I. I. Mamedov. Dokl. AN Azerb. SSR 19 no. 8 [illegible] '63.

Relation between $\sum$-integration and integration by conjugate variables. M. A. Lukomskaia, A. S. Shneiberg. Dokl. AN BSSR 7 no. 10 653-654 O '63.

A theorem for Wiener's integrals. I. M. Iosifov. Dop. AN URSR no. 12 1543-1545 '61.

INTEGRALS, GENERALIZED

Properties of analytic functions representable by Cauchy-Stieltjes and Cauchy-Lebesgue type integrals. [illegible] Tumarkin. Izv. AN Arm. SSR, Ser. fiz.-mat. nauk 16 no. 5 23-45 '63.

INTEGRATORS

The APP-1 automatic electric integrator for the investigation of potential fields. G. A. Matsnevshii, [illegible] tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10 55-57 '63.

Devices for the integration of variable magnitudes. G. V. Klishin. Trudy VISKHOMa no. 31 3-22 '62.

Digital integrators. A. V. Kallaev. Mat. mekh. i ee prepod. no. 1 172-190 '63.

INTEGRODIFFERENTIAL EQUATIONS

Boundary value problems for small-parameter integro-differential equations. K. I. Kvantaliani. Soobshch. Akad. Gruz. SSR 10 no. 5 545-552 My '63.

INTELLECTUALS see subdivision under Alma-Ata Province

INTERCHANGEABLE MECHANISMS

Engineering laws, and their violators. I. I. Ivanov. Tekh. mol. 31 no. 8 6-8 '63.

Mirzoev, S. M. [Multipurpose attachments with interchangeable parts used in the manufacture of machine tools.] Universal'no-sbornye prisposobleniia v mashinostroenii. Minsk, Gos. izd-vo BSSR, 1963. 137 p.

INTERLIBRARY LOANS

Develop interlibrary loans. M. Zarubina and others. Bibliotekar' no. 9 54-56 S '63.

INTERMETALLIC COMPOUNDS—MAGNETIC PROPERTIES

Intensity of magnetization of the MnAu2 intermetallic compound in pulsed super-high magnetic fields. F. A. Zavadskii, I. G. Bakidov. Fiz. met. i metalloved. 12 no. 6 832-837 D '61.

INTERNAL COMBUSTION ENGINES

Characteristics of the working process in high-speed piston gas and oil engines. G. I. Anoshkev. Trudy DHI no. 24 198-213 '54.

Improving the economic efficiency of an engine with a power-driven supercharger operating with partial loads. M. G. Kruglov, V. P. Dmitriev, L. A. Egorov. Izv. vys. ucheb. zav., mashinostr. no. 8 205-211 '63.

Modernization of the SMD-14 engine. A. Podol'nyi. Tekh. v sel'khoz. 23 no. 8 55-56 Ag '63.

INTERNAL COMBUSTION ENGINES—CYLINDERS

Device for checking cylinders of the piston group of carburetor engines. A. S. Golubev. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 54-55 '63.

INTERNAL COMBUSTION ENGINES—DESIGN AND CONSTRUCTION

The best external balancing of a two-cylinder engine. IU. V. Epshtein, E. P. Rapota, G. V. Lebedinskii. Trakt. i sel'khozmash. 33 no. 3, 11-15 Mr '63.

INTERNAL COMBUSTION ENGINES—FUEL SYSTEMS

Role of a gap in an atomizer. D. F. Gurevich. Izv. v. ucheb. zav., mashinostr. no. 8 181-184 '63.

INTERNAL COMBUSTION ENGINES—TESTING

Effect of the speed of the operation of a carburetor engine on the mixture optimum. N. P. Trefilkov. Izv. vys. ucheb. zav., mashinostr. no. 7 158-165 '63.

INTERNAL COMBUSTION ENGINES—VIBRATION

Lateral vibrations of dowels in internal combustion engines. N. D. Chainov. Izv. vys. ucheb. zav., mashinostr. no. 8 117-122 '63.

INTERNAL CONVERSION (NUCLEAR PHYSICS)

Gamma radiation and conversion electron spectrum from Nd^{139}. G. M. Kolesov, T. V. Malysheva, L. N. Nikitiuk. Izv. AN SSSR Ser. fiz. 27 no. 10 1267-1269 O '63.

Spectra of gamma rays and internal conversion electrons emitted in the capture of thermal neutrons by mercury nuclei. L. V. Groshev and others. Izv. AN SSSR. Ser. fiz. 27 no. 11 1377-1391 N '63.

Spectra of internal conversion electrons from a Gd fraction. A. S. Danagulian, N. A. Lebedev, A. I. Strigachev. Izv. AN SSSR. Ser. fiz. 27 no. 11 1392-1393 N '63.

Spectrum of internal conversion electrons emitted in Re^{184} decay. B. S. Dzhelepov and others. Izv. AN SSSR. Ser. fiz. 27 no. 11 1394-1401 N '63.

INTERNAL FIXATION IN FRACTURES

Osteosynthesis by means of a metallic bolt used in traumatology, orthopedia, and restorative surgery. M. IA. Shadin. Trudy mol. nauch. sots. MONIKI no. 1:39-42 '59.

INTERNAL FRICTION

Effect of the mechanical state of ferromagnetic nickel on its internal friction. O. I. Datsko. Fiz. met. i metalloved. 16 no. 3:116-120 S '63.

Effect of thermal vibrations in solid solutions on the intensity of regular reflections of X rays and neutrons and the intensity of Mossbauer's lines. M. A. Krivoglaz, E. A. Tikhonova. Fiz. met. i metalloved. 12 no. 6 801-813 D '61.

Internal friction in invar, depending on temperature, carbon content, intensity of magnetization and time factor. I. B. Kekalo, B. G. Livshits. Fiz. met. i metalloved. 12 no. 6 838-845 D '61.

Thermodynamic theory of internal friction from relaxation of a special additional parameter. A. N. Men'. Fiz. met. i metalloved. 12 no. 6 923-924 D '61.

INTERNAL MEDICINE see Medicine, Internal

INTERNATIONAL COMPETITION see Competition, International

INTERNATIONAL COOPERATION

"Legal cooperation of socialist states." Reviewed by G. K. Matveev. Sov. gos. i pravo 33 no. 10:157-160 O '63.

INTERNATIONAL GEOPHYSICAL YEAR, 1957-1958

Results of the IGY: Meteors. Cosmic rays. Solar activity. Longitudes and latitudes. Gravimetry. Geofiz. biul. no. 10 52-55 '61.

INTERNATIONAL LABOR ORGANIZATION

In a blind alley. A. Gurinovich, G. Chernushchenko. Komso. Bel. 37 no. 9, 59-64 S '63.

INTERNATIONAL LAW

Mota, George. [Legal nature and legal force of the decisions of the General Assembly of the United Nations] Pravovaia priroda i iuridicheskaia sila reshenii Generai'noi Assamblei OON, avtoreferat dissertatsii na soiskanie uchenoi stepeni kandidata iuridicheskikh nauk. Nauchnyi rukovoditel' E. A. Korovin. Moskva, Mosk. univ. 1962. 15 p.

[MICROFILM]

INTERNATIONAL LAW—RESEARCH

A conference of the students of international law. B. Mikhailov. Sov. gos. i pravo 33 no. 10:147-149 O '63.

INTERNATIONAL ORGANIZATION

Consultation. Mezhdunar. zhizn' 10 no. 12, 144-149 D '63.

INTERNATIONAL RELATIONS—BIBLIOGRAPHY see Bibliography—International relations

INTERNATIONAL RELATIONS—PERIODICALS

"Mezhdunarednaia zhizni," "Istorila S.S.S.R.", periodical reviews. Polit. samoobr. 7 no. 9:139-142 S '63.

INTERPERSONAL RELATIONS

Characteristic features of our time. G. Akmambetov. Otv. na vop. trud. no. 1:11-19 Ja '63.

INTERPOLATION

Convergence of trigonometric interpolation for analytic periodic functions. V. I. Krylov, L. A. IAnovich. Dokl. AN BSSR 7 no. 10:649-652 O '63.

Interpolation analogue of the method of gradients [with summary in German]. S. Ulm. Izv. AN Est. SSR. Ser. fiz.-mat. i tekh. nauk 12 no. 3:238-243 '63.

INTERPRETING AND TRANSLATING see Translating and interpreting

INTESTINAL AND PARASITIC WORMS see Worms, Intestinal and parasitic

INTESTINES

Cytological analysis of changes in the epithelium of the mucous membrane of the small intestine of mice induced by total X-ray irradiation. L. B. Smirnova, I. M. Shapiro. Radiobiologiia 2 no. 6:897-902 '62.

INTESTINES—DISEASES

Changes in the morphological and physicochemical characteristics of calf feces as related to the age, feed rations, and in enterocolitis. A. I. Ulendeev. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:41-50 '61.

Etiological structure of intestinal infections in small children. A. P. Afanas'eva and others. Pediatriia 12 no. 5:57-63 My '63.

Experience in the use of the fluorescent antibody method in the diagnosis of colienteritis. E. V. Belogorskaia. Kaz. med. zhur. no. 2:66-69 Mr-Ap '63.

Role of enteroviruses in the etiology of intestinal diseases in children. V. G. Avancsova, N. I. Nisevich. Pediatriia 42 no. 5:15-20 My '63.

INTESTINES—INNERVATION

Effect of calcium ion deficiency on the interoceptors of the small intestine. V. A. Lebedeva. Dokl. AN SSSR 152 no. 2:497-500 S '63.

INTESTINES—INTUSSUSCEPTION

Retrograde invagination of the small intestine into the stomach. M. I. Izrailev. Kaz. med. zhur. no. 1:26-28 Ja-F '61.

INTESTINES—MICROBIOLOGY

Atypical cultures of intestinal bacteria in water from the Stalin Water Works and their hygienic evaluation. N. N. Novikova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4:18-21 '60.

Effect of the microflora of the gastrointestinal tract in various species of animals on Bacillus anthracis. Kh. Atuzan. Trudy Mosk. vet. akad. 12:157-160 '56.

Means of the distribution of intestinal autoflora in acute radiation sickness caused by the action of a 25 Mev betatron [with summary in English]. G. E. Nebol'shova, N. V. Sokolova. Trudy TomNIIVS 12:285-291 '60.

Nature of paraggiutinizing strains of intestinal bacteria obtained from the Stalin Water Works. G. P. Ponomareva. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4:15-17 '60.

Recovery of Salmonella from the feces of persons sick with dysentery and enterocolitis. M. G. Gel'berger. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4 71-74 '60.

Survival of intestinal microbes and staphylococci in cottage cheese kept in refrigerators for long periods at sub-zero temperatures. V. A. Zverva. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4 57-59 '60.

INTESTINES—SURGERY

Retrograde invagination of the small intestine into the stomach. M. I. Izrailev. Kaz. med. zhur. no. 1:26-28 Ja-F '61.

INTESTINES—ULCERS

Perforation of "simple" ulcers of the small intestine. V. G. Morozov. Kaz. med. zhur. no. 1:75-77 Ja-F '61.

INTRACRANIAL PRESSURE

New method of measuring intracranial pressure in young children. V. R. Purin. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 45-46 '61.

INTRAOCULAR PRESSURE

Elastotonometric examinations in Urov disease. A. E. Shevalev, IA. E. Belovodskaia. Uch. zap. UEIGB 5:91-95 '62.

Experimental analysis of the mechanism of phenamine test. E. M. Lipovetskaia. Uch. zap. UEIGB 5:109-112 '62.

State of the ophthalmotonus regulation during the development of experimental arterial hypertension. O. P. Kopp. Uch. zap. UEIGB 5:96-98 '62.

INTRATRACHEAL ANESTHESIA

Difficult intubation in intratracheal anesthesia. G. A. Bronshtein. Zdravookhranenie 6 no. 3:47-48 My-Je '63.

INVAR—TESTING

Internal friction in invar, depending on temperature, carbon content, intensity of magnetization and time factor. I. B. Kekalo, B. G. Livshits. Fiz. met. i metalloved. 12 no. 6:838-845 D '61.

INVENTIONS, EMPLOYEES'

How trade unions help to organize a mass movement of inventors and efficiency promoters. K. Raitses. Rad. pravo no. 4:93-96 Jl-Ag '63.

INVERTEBRATES see subdivision under Caspian Sea

INVERTEBRATES—EMBRYOLOGY see Embryology—Invertebrates

INVESTMENTS, AMERICAN see subdivision under Europe, Western

INVESTMENTS, FOREIGN see subdivision under Australia; Egypt; Katanga; Turkey

INVESTMENTS, FRENCH see subdivision under Ethiopa, Mauritania

INVESTMENTS, GERMAN see subdivision under Congo (Leopoldville)

IODIDES

Microquantitative determination of iodine ions and elementary iodine in iodine-iodide solutions [with summary in English]. N. Ganchev, Cv. Todorova. Zhur. anal. khim. 18 no. 9:1131-1135 S '63.

IODINE—ANALYSIS

Micromethod for the determination of iodine content. N. P. Fedorovskaia, I. M. Khasanina, M. N. Chumachenko. Trudy IGI 11 197-201 '63.

Microquantitative determination of iodine ions and elementary iodine in iodine-iodide solutions [with summary in English]. N. Ganchev, Cv. Todorova. Zhur. anal. khim. 18 no. 9 1131-1135 S '63.

IODINE ISOTOPES

Examination of the functional state of the liver with the aid of radioactive Rose Bengal [with summary in English]. K. S. Martirosov, V. P. Ikachev. Med. rad. 8 no. 2:3-5 F '63.

IODINE ISOTOPES—THERAPEUTIC USE

Functional state of the thyroid gland in thyrotoxicosis at various periods following radioactive iodine therapy [with summary in English]. T. P. Sivachenko, V. N. Slavnov. Med. rad. 8 no. 2 5-10 F '63.

IODOMETRY

Iodochlorometric method of determining pentoxyl and metacil [with summary in English]. F. P. Supran. Apt. delo 12 no. 5:10-13 S-O '63.

Iodometric indicators [with summary in English]. S. P. Bystrov. Apt. delo 12 no. 5:44-50 S-O '63.

ION BEAMS

Secondary emission of excited cesium atoms in the bombardment of molybdenum by positive cesium ions. V. I. Veksler. Fiz. tver. tela 5 no. 10 2737-2746 O '63.

ION EXCHANGE

Improving ion exchange filters. A. S. Medovala. Gidrolit. i lesokhim. prom. 16 no. 7:25 '63.

Ion exchange and the electrochemical properties of zirconyl phosphates. B. P. Nikol'skii, E. A. Materova, P. A. Skabichevskii. Dokl. AN SSSR 152 no. 6:1360-1362 O '63.

Kinetics of ion exchange processes in the presence of complex-forming reagents. N. N. Matorina and others. Dokl. AN SSSR 152 no. 1:915-918 O '63.

Method of ion exchange separation and concentration of boron in its determination in natural waters. D. I. Eristavi, F. I. Brouchek. Soob. AN Gruz. SSR 30 no. 5, 565-572 My '63.

Sorption of acids and bases on domestic anions. I. N. Reshetnikova. Sbor. stud. rab. MTIMMP no. 7 39-42 '62.

Theory of the precipitation chromatography of inorganic ions. A. V. Divak. Sbor. stud. rab. MTIMMP no. 7 35-39 '62.

ION EXCHANGE RESINS

Determination of the exchange constants of some anions on anion exchangers [with summary in English]. V. I. Paramonova, A. N. Mosevich, IU. G. Zonov. Vest. LGU 18 no. 16 115-119 '63.

Exchange adsorption of tartaric acid anions from a potassium bitartrate solution on the AB-16 anion. IU. S. Kharin. Izv. vys. ucheb. zav., pishch. tekh. no. 4 69-71 '63.

Hydration of tertiary amylenes in the presence of a KU-2 cation exchanger and accompanying reactions. N. G. Pollanskii and others. Kin. i kat. 4 no. 4:611-619 Jl-Ag '63.

Ion exchange resins. O. Davydov. Nauka i zhyttia 12 no. 3:20-22 Mr '63.

ION EXCHANGERS

Adsorption of cadmium and zinc from ammonium iodide solutions on a cation exchanger. IA. D. Fridman, R. K. Drachevskaia, N. V. Dolgashova. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 1:97-101 '63.

Condensation of pentaerythritol with carbonyl compounds in the presence of the KU-2 cation exchanger. T. N. Shakhtakhtinskii, L. V. Andreev. Dokl. AN Azerb. SSR 18 no. 12 17-22 '62.

Use of ammonium cation exchangers for the ammination of feed water. T. P. Rudenko, D. I. Pashchenko. Energetik 11 no. 10:10-11 O '63.

IONIAN SEA—DEEP-SEA DEPOSITS

Study of the sedimentary layer in the Ionian and Tyrrhenian Seas by the seismic method. M. F. Mikhno. Okeanologiia 3 no. 5, 853-860 '63.

IONIC CRYSTALS—GROWTH

Mechanisms underlying the growth of ionic whiskers from solutions. G. V. Berezhkova, V. N. Rozhanskii. Kristallografiia 8 no. 3:420-426 My-Je '63.

IONIC SOLUTIONS

Separation of ions on the basis of their different ability to polymerize in solution. A. K. Babko, G. I. Gridchina. Zhur. prikl. khim. 36 no. 8:1722-1725 Ag '63.

722-705 O - 64 - 16

IONIZATION CHAMBERS

Multiplier ionization chamber for spectrometric recording of rare events in studying long-range alpha-particle [illegible] Andreev, S. M. Shtokhin. Izv. AN SSSR ser. fiz. 27 no. 10:1253-1257 O '63.

[illegible] ionization chamber [illegible] measuring [illegible] flux. A. P. Komar, S. P. Kruglov, I. V. Lyagin, Zhur. tekh. fiz. 33 no. 6:640-643 [illegible] '63.

IONIZATION OF GASES

Determination of the mean cross section of collisions between electrons and neutral atoms in a weakly ionized gaseous medium. E. P. Zhidkov, V. A. Popov. PMTF no. 5:142-144 S-O '61.

IONIZED AIR see Air, Ionized

IONOSPHERE

Effect of horizontal gradients of electron concentration in the ionosphere on the magnitude of the maximum applicable frequency. T. S. Perbilal. Geomag. i aer. 3 no. 4:772-775 Jl-Ag '63.

Effects of solar flares in the ionospheric E and D layers. I. G. Gintsburg. Geomag. i aer. 3 no. 4:693-698 Jl-Ag '63.

Formation of ionospheric inhomogeneities in the F-layer. B. N. Gershman. Geomag. i aer. 3 no. 5:878-886 S-O '63.

Heating of the ionosphere by current systems. M. N. Lukashkin. Geomag. i aer. 3 no. 4:787-788 Jl-Ag '63.

I. V. Fligel'dt's "Physics of ozonosphere and ionosphere." S. S. Galgerov. Meteor. i gidrol. no. 10:55-56 O '63.

Ionizing radiation and the heating up of the upper atmosphere. V. I. Lazarev. Geomag. i aer. 3 no. 5:841-849 S-O '63.

Relation between certain ionospheric characteristics and geomagnetic activity. V. D. Kokourov. Geomag. i aer. 3 no. 5:995-996 S-O '63.

Relation between geomagnetic and ionospheric disturbances at middle latitudes. M. P. Khanovskii, V. V. Medvikova. Geomag. i aer. 3 no. 4:769-771 Jl-Ag '63.

IONOSPHERIC RADIO WAVE PROPAGATION

Anomalous values of the reflection coefficient. M. Shirmamedov. Geomag. i aer. 3 no. 5:922-928 S-O '63.

Deviations of critical frequencies from the monthly median value on calm and disturbed days. E. M. Zhulina. Geomag. i aer. 3 no. 4:707-710 Jl-Ag '63.

Reflection of radio waves in space. F. Chestnov. Tekh. mol. 31 no. 8:37 '63.

Some properties of the inhomogeneities in the lower ionosphere as revealed by long-wave observations. K. Sprenger, Yu. V. Kushnerevskii. Geomag. i aer. 3 no. 5:887-901 S-O '63.

Use of electronic digital computers in calculating the maximum usable frequencies for communication between two points. E. M. Kovalevskaia. Geomag. i aer. 3 no. 5:991-994 S-O '63.

IONOSPHERIC RESEARCH
(see also subdivision under Dickson Island, Kheysa Island, Murmansk, Rostov-on-Don, Simferopol', Sverdlovsk, Tikhaya Bay, Tiksi Bay, Tomsk, Yakutsk)

Autocorrelation characteristics of critical frequency fluctuations and ionization density. IA. S. Rodionov. Geomag. i aer. 3 no. 5:985-990 S-O '63.

Dependence of E_s-layer characteristics on the susceptibility of the receiving apparatus. Iu. K. Chasovitin, L. IA. Solchatova. Geomag. i aer. 3 no. 5:938-947 S-O '63.

Determing the electron recombination rate in the F2 layer from the diurnal variation of ionization. V. M. Poliakov. Geomag. i aer. 3 no. 5:868-877 S-O '63.

Experimental data on the strength of energy sources in the ionosphere. A. D. Danilov, G. S. Ivanov-Kholodnyi. Geomag. i aer. 3 no. 5:850-857 S-O '63.

Horizontal drift of ionization inhomogeneities in the upper ionosphere. E. S. Kazimirovskii. Geomag. i aer. 3 no. 5:902-909 S-O '63.

Lunar tidal variations of critical frequencies of the E-layer. V. A. Zagulaeva. Geomag. i aer. 3 no. 4:766-767 Jl-Ag '63.

Method for determining the drift velocity in the ionosphere. M. P. Khanovskii. Geomag. i aer. 3 no. 4:699-702 Jl-Ag '63.

Methodology of studying the ionospheric structure by way of ground reception of radio signals from artificial satellites. N. A. Mitiakov, E. E. Mitiakova. Geomag. i aer. 3 no. 5:858-867 S-O '63.

Nature of the winter anomaly in ionospheric absorption. M. D. Fligel'. Geomag. i aer. 3 no. 4:703-706 Jl-Ag '63.

Refraction and Doppler shifting of frequencies of radio waves emitted by an artificial satellite in the three-dimensional inhomogeneous ionosphere. IA. L. Al'pert. Geomag. i aer. 3 no. 4:626-634 Jl-Ag '63.

Scattering on moving inhomogeneities in the ionosphere. V. V. Checha. Geomag. i aer. 3 no. 4:778-779 Jl-Ag '63.

Space-time distribution of the sporadic E_s-layer at high latitudes. L. V. Sukhorukova. Geomag. i aer. 3 no. 5:910-913 S-O '63.

Use of characteristic functions in the processing of drift recordings. I. S. Veshchevistskaia. Geomag. i aer. 3 no. 4:775-777 Jl-Ag '63.

IONS

Dissociation of D_2^+ ions in collisions with molecules in the energy range 3.5 to 100 kev. S. E. Kupriianov, N. N. Tunitskii, V. A. Perov. Zhur. tekh. fiz. 33 no. 10:1252-1259 O '63.

IONS—CAPTURE

Study of a supersonic jet of carbon dioxide as a target for ion charge exchange. L. S. Borovik and others. Zhur. tekh. fiz. 33 no. 8:973-981 Ag '63.

IONS—MEASUREMENT

Improving the design of ionometers. A. S. Egorov and others. Trudy Ukr. NIISP no. 5:189-196 '59.

IONS—SCATTERING

Mobility and scattering cross section of cesium ions in a weakly ionized cesium plasma. N. D. Morgulis, Iu. P. Korchevoi. Zhur. tekh. fiz. 33 no. 9:1146-1148 S '63.

Studying the Coulomb excitation of the first levels of even-even nuclei by measuring coincidences of gamma quanta and inelastically scattered ions. D. G. Alkhazov and others. Izv. AN SSSR, Ser. fiz. 27 no. 10:1285-1296 O '63.

IOVANS, JANIS, 1906-

Pecherskii, P. L. [Janis Iovans' Eighth Symphony; interpretation] Vos'maia simfoniia IAnisa Ivanova, poiasnenie. Moskva, Sovetskii kompozitor, 1961. 30 p. (MH)

IPRONIAZID

Role of monoamine oxidase inhibition in the antiarrhythmic effect of iprazid. N. K. Popova, R. Iu. Il'iuchenok, V. S. Sergievskii. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2:121-123 '63.

IRAN—COMMERCE—RUSSIA

Commerce between Baku city and Iran from the 1830's to the 1860's [in Azerbaijani with summary in Russian]. M. A. Musaev. Izv. AN Azerb. SSR Ser., obshchestv. nauk no. 4:41-51 '63.

IRAN—HISTORY

Beyhaqi, Abu al-Fazl Mohammad ebn Hoseyn. [History of Mas'ud from 1030 to 1041] Istoriia Mas'uda 1030-1041. Vstup. stat'ia A. K. Arendsa. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962. 745 p. (NNC)

IRANIAN PHILOLOGY—CONGRESSES

An all-Union conference on Iranian philology. B. M. Guseinov. Izv. AN Azerb. SSR, Ser. obshchestv. nauk no. 4:129-130 '63.

IRANIAN POETRY—HISTORY AND CRITICISM

Literary characteristics of Farrukhi Yazdi's poetry [in Azerbaijani with summary in Russian]. A. G. Gadzhiev. Izv. AN Azerb. SSR, Ser. obshchestv. nauk no. 4:81-93 '63.

IRAQ—ECONOMIC GEOGRAPHY

Gorelikov, S. G. [Iraq, economic geography] Irak; ekonomiko-geograficheskaia kharakteristika. Moskva, Geografizdat, 1963. 233 p.

IRBIT—MOTORCYCLE INDUSTRY

From the Urals to the Adriatic. A. Babadzhanian. Vnesh. torg. 43 no. 10:40-43 '63.

IRELAND—HISTORICAL RESEARCH

Articles on the history of the Middle Ages published in 1959-1961 in "Irish historical studies." T. S. Osipova. Sred. veka no. 24:299-302 '63.

IRIDIUM—DECAY

Recent data on Ir^{186}. T. V. Malysheva, L. N. Nikitiuk, B. A. Khotin. Izv. AN SSSR, Ser. fiz. 27 no. 10:1263 O '63.

IRIS (PLANT) see subdivision under Sukhum

IRKUTSK PROVINCE—ECONOMIC CONDITIONS

Bratsk galaxy. Nikolai Bykov. Ogonek 41 no. 36:16-18 S '63.

IRKUTSK PROVINCE—FIRE ENGINES—COLD WEATHER OPERATION

Under the conditions of northern regions. I. Kochnev, I. Ishmaev. Pozh. delo 8 no. 9:25 S '63.

IRKUTSK PROVINCE—FROST

Frost on the territory of Irkutsk Province. O. S. Chekan. Sib. geog. sbor. no. 2:40-55 '63.

IRKUTSK PROVINCE—JEHOVAH'S WITNESSES

Do you love your children? N. Grudinin. Nauka i rel. 4 no. 8:66-68 Ag '63.

IRKUTSK PROVINCE—JOINTS (GEOLOGY)

Results of the study of the lithology and petrography of Paleozoic fractured rocks in the Bashkirian [illegible] Ural Mountain region, the southern Minusinsk [illegible] and the Irkutsk amphitheater. I. P. Gmid [illegible] VNIGRI no. 121:187-216 '58.

Some data on fractured rocks of the Lower Cambrian of the Irkutsk amphitheater and their reservoir properties. V. N. Kalacheva. Trudy VNIGRI no. 121 [illegible] '58.

IRKUTSK PROVINCE—OIL SANDS

Some data on fractured rocks of the Lower Cambrian of the Irkutsk amphitheater and their reservoir properties. V. N. Kalacheva. Trudy VNIGRI no. 121 [illegible] '58.

IRKUTSK PROVINCE—POWER PLANTS—EARTH MEASURES

Our doctor. V. Narin. Ogon'. trudu i zdor. no. 10:36 O '63.

IRKUTSK REGION—LUMBER—TRANSPORTATION

Floating and land transportation of lumber. V. [illegible] khanov. Les. prom. 10 no. 5:26-27 My '60.

IRKUTSK RESERVOIR—PLANKTON

Plankton of Irkutsk Reservoir. G. I. Vyalikova, O. P. Kozhova. Trudy Gidrobiol. ob-va 11:25-55 '59.

IRON—ANALYSIS

Complexometric determining of iron in iron-oxide pigments. V. A. Malevannyi. Lakok. mat. i ikh prim. no. 5:48-50 '63.

Determination of bivalent and trivalent iron in [illegible] decomposed rocks [with summary in English]. [illegible] Mikhailova, R. V. Miroshkii, A. A. [illegible] khim. 18 no. 7:850-858 Jl '63.

Differential spectrophotometric determination of [illegible] the products of titanium and magnesium iodide [illegible] summary in English]. V. N. Tikhonov, N. D. [illegible] Zhur. anal. khim. 18 no. 9:1130-1133 S '63.

IRON—METALLOGRAPHY

Electron microscopy of the sheeting fatigue [illegible] ture in copper and armco iron. N. P. Potekhi [illegible] met. i metalloved. 16 no. 3:489-490 S '63.

Microscopy of the development of slip lines in [illegible] magnesium during fatigue tests. Report no. 2. N. P. Potekhin, Iu. S. Terminasov. Fiz. met. i metalloved. 16 no. 3:491-493 S '63.

Unordering of hardened and plastically deformed [illegible] V. M. Kardonskii, M. D. Perkas. Fiz. met. i metalloved. 12 no. 6:914-915 D '61.

IRON—METALLURGY

Conference on the direct production of iron. Met. i koks. proiz. no. 4:85 Jl-Ag '63.

Electrochemical investigation of the deoxidizing action in kinetic conditions. A. I. Rotinkov, G. A. [illegible] Iu. P. Nikitin. Izv. vys. ucheb. zav.; chern. met. 6 no. 8:19-23 '63.

Investigating the reduction of iron in carbonaceous granules. B. A. Gess and others. Trudy Ed. [illegible] 130 '63.

Mechanism of cast iron desulfuration. V. A. [illegible] V. A. Marichev. Izv. AN SSSR. Met. i gor. delo [illegible] 40-37 S-O '63.

Standardizing methods of investigating the sulfur [illegible] iron ore materials. V. I. Korotich, V. P. Luzg[illegible] Izv. vys. ucheb. zav.; chern. met. 6 no. 8:44-45 [illegible]

IRON—TESTING

Comparative investigation of the rate of iron oxidation and of its reduction from oxides by the electromotivity method. E. S. Vorontsov, A. V. Grimakin [illegible] AN SSSR, Met. i gor. delo no. 9:23-29 S-O '63.

IRON AGE see subdivision under Volga Valley

IRON ALLOYS

Methods of calculating the entropy and the heat of transition of a component from one standard state to [illegible] D. M. Laptev. Izv. vys. ucheb. zav.; chern. met. 6 [illegible] 24-34 '63.

Reactive diffusion of carbon, silicon, and phosphorus [illegible] their alloys with iron. P. M. Shurygin, B. I. Fil'[illegible] Izv. vys. ucheb. zav.; chern. met. 6 no. 8:13-18 '63.

IRON ALLOYS—METALLOGRAPHY

Peculiarities of phase transformations in deformed iron alloys during rapid electric heating. V. N. Gridnev, V. T. Cherepin. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:169-173 '63.

IRON-ALUMINUM ALLOYS see Aluminum-iron alloys

IRON-ALUMINUM ALLOYS—MAGNETIC PROPERTIES

Effect of heat treatment on the plasticity and magnetic properties of an iron alloy with 16% aluminum. T. A. Gorlach and others. Metalloved. i term. obr. met. no. 11:8-10 N '63.

IRON-ALUMINUM ALLOYS—METALLOGRAPHY

Diffusion scattering of X rays and the fine crystal structure of iron-aluminum alloys. E. N. Vlasova. Fiz. met. i metalloved. 16 no. 3:355-360 S '63.

Structure of aluminum-alloyed cast iron. N. N. Aleksandrov, L. V. Il'icheva. Metalloved. i term. obr. met. no. 11:25-31 N '63.

AND STEEL BUILDING see Building, Iron and Steel

AND STEEL PLANTS
(see also subdivision under Ukraine)
ation conference of party committee secretaries in enterprises of ferrous metallurgy. Met. i gornorud. prom. no. 5 80-81 S-O '63.
ssity for the proportional expansion of basic ferrous al enterprises and of their maintenance and repair ctors. Met. i gornorud prom no 4 3-5 Jl-Ag '63.

AND STEEL PLANTS—EQUIPMENT AND SUPPLIES
developments in research. V. D Chekhranov. Stal' 23 no.10:914 O '63.
el granules represent a new efficient material in tallurgy. L. V. Semenov, V. P. Davydov. Trudy 22 131-135 '63.

AND STEEL PLANTS—HEATING AND VENTILATION
allation of aluminum exhaust pipes. B. V. Peremetov, N. Zen'kovich. Prom. stroi. 41 no.9:11-13 S '63.

AND STEEL WORKERS
see also subdivision under Zhdanov)
ical education intermission for rolling mill operators. V. Reshetnikov. Teor. i prak. fiz. kul't. 26 no.1:46-49 Ja '63.

CATALYSTS
action between octyl alcohols and ammonia under the drogen pressure on a fused iron catalyst IU B Kazan and others. Neftekhimiia 1 no 3 103-110 My-Je 61.

CHROMIUM ALLOYS—METALLURGY
sulfuration of liquid carbon ferrochromium in vacuum. L. Kolotaritsev, S. V. Bezobrazov Izv. AN SSSR Met gor. delo no. 5:38-41 S-O '63

COBALT-CHROMIUM ALLOYS see Chromium-iron-cobalt alloys

CRYSTALS—GROWTH
rface structure of iron whiskers. IU. D. Tropin. Kristallografiia 8 no. 3,427-430 My-Je '63.

FOUNDING
scow. Vsesoiuznyi proektno-tekhnologicheskii institut. [Mastering the founding of crankshafts from cast iron with spheroidal graphite] Osvoenie otlivki kolenchatykh valov iz chuguna so sferoidal'nym grafitom; opyt Kolomenskogo parovozostroitel'nogo zavoda im. Kuibysheva. Moskva, Mashgiz, 1954. 15 p. (Obmen opytom, no 13)

GADOLINIUM ALLOYS—MAGNETIC PROPERTIES
agnetic properties of alloys in the system iron - gadolinium. V. I. Chechernikov, I. V. Burov, E. M. Savitskii. Fiz. met. i metalloved. 16 no. 3:324-328 S '63.

INDUSTRY
prove planning in ferrous metallurgy. Stal' 23 no.10 905-909 O '63.

INDUSTRY—STATISTICS
dustrial capacity in ferrous metallurgy of capitalist countries (in millions of tons). Met. i gornorud. prom. no. 5:91-92 S-O '63.

MINES AND MINING see subdivision under Angulets Valley, Kachkanar; Krivoy Rog Basin; Mauritania; Russia, Northern

NICKEL ALLOYS—METALLOGRAPHY
gh-temperature X-ray examination of the intermediate ransformation of austenite in an iron-nickel-carbon lloy. A. V. Belotskii, V. G. Permiakov, F. G. Petrolan. Izv. AN SSSR. Met. i gor. delo no 5:126-128 S-O 63.
ray microbeam investigation of the structure of martensite and austenite during the direct and inverse martensite transformation in Fe-Ni alloys. E. A. Ismailov, V. G. Gorbach, A. G. IAkhontov. Fiz. met. i metalloved. 16 no. 3:349-354 S '63.

ORES
see also subdivision under Kerch Peninsula; Krivoy Rog Basin)
fect of the time of mixing hydrophobic additives with iron concentrates on filtration. M. B. Barbin. Gor. zhur. no. 10:70 O '63.
vestigating the process of roasting fluxed pellets in shaft furnaces. D. G. Khokhlov and others. Stal' 23 no. 10:879-883 O '63.
chnology of dressing Kerch tobacco-colored ores. A. I. Fomin. Gor. zhur. no. 10:76-77 O '63.
ng chlorine lignin for the flotation of iron ores. A. M. Turetskii and others. Gidroliz. i lesokhim. prom. 14 no.8:10 '61.

ORES—MAGNETIC PROPERTIES
gnetic analysis of iron ores. A. N. Pokhvisnev, IU. S. ffirs. F. I. Lizunov. Izv. AN SSSR. Met. i gor delo o. 5:13-17 S-O '63.

IRON ORGANIC COMPOUNDS—SPECTRA
Interpretation of the resonance absorption of γ-quanta by some complex iron compounds with allowance for the covalence of bonds and induction effects. A. V. Ablov, I. B. Berstuker, V. I. Gol'danskii. Dokl. AN SSSR 152 no. 6 1391-1394 O '63.

IRON OXIDES
Characteristics of solid solutions between chrome spinellid and iron oxides. B. IA. Sukharevskii. Ukr. khim. zhur. no. 2:11-16 '62.
Effect of iron oxides in clinkers upon the strength of cement during steaming. T. V. Kuznetsova, K. I. Soboleva. TSement 29 no. 5 14-15 S-O '63.
Effect of the oxidation potential and the alkalinity of solutions on the formation of sulfides and iron oxides under hydrothermal conditions. A. A. Marakushev. Geol. rud. mestorozh. 5 no. 5, 3-17 S-O '63.
Kinetics of iron oxide reduction by mixtures of carbon oxide and hydrogen. I. P. Kurzina, S. I. Filippov. Izv. vys. ucheb. zav.; chern. met. 6 no. 9 5-10 '63.
Physicochemical basis for the intensification of iron oxide dispersion in ball mills. L. I. Ermilov and others. Lakokras. mat. i ikh prim. no. 5:57-62 '63.

IRON OXIDES—ANALYSIS
Methods of quantitative determination of ferrous oxide in raw materials. A. L. Kondrasheva. Ogneupory 28 no. 10 475-476 '63.

IRON OXIDES—METALLURGY
Magnetochemical phase analysis of iron oxides obtained by the reduction of α-Fe_2O_3 with methane and carbon. K. N. Potemkin. Zhur. prikl. khim. 36 no. 8,1697-1702 Ag '63.

IRON OXIDES—THERMODYNAMICS
Thermodynamics of ferrous oxide [with summary in English]. M. S. IAkovleva, S. M. Arina. Vest. LGU 18 no. 16:130-132 '63.

IRON SALTS
Spectra and photochemistry of alcohol solutions of trivalent iron salts Part 2 Photoreduction of iron (III) salts in alcohols. A. I. Kriukov, L. V. Nazarova, B. IA. Dain Ukr. khim. zhur. 29 no. 8,812-819 '63

IRON SALTS—ABSORPTION SPECTRA
Spectra and photochemistry of alcohol solutions of trivalent iron salts Part I Absorption spectra of iron salts in methanol and ethanol. A. I. Kriukov, L. V. Nazarova. Ukr. khim. zhur. 29 no. 8 806-812 '63.

IRON SILICIDES—THERMAL PROPERTIES
Thermochemistry of iron silicides. Heat capacity, enthalpy and entropy of $FeSi$ and Fe_5Si_3. R. P. Krentsis, P. V. Geld, G. I. Kalishevich Izv. vys. ucheb. zav.; chern. met. 6 no. 9:161-166 '63.

IRON SILICON ALLOYS—METALLOGRAPHY
Cubic texture in silicon iron. IA. N. Kunakov, B. G. Livshits. Metalloved. i term. obr. met. no. 11 15-19 N '63.
Diffusion scattering of X rays, and the real structure of an iron-silicon solid solution. E. N. Vlasova. Fiz. met. i metalloved. 16 no. 3:482-483 S '63.

IRREVERSIBLE PROCESSES
Determining the transfer potential of osmotically bound moisture [with summary in English]. L. M. Nikitina. Inzh.-fiz. zhur. 6 no. 11:52-55 N '63.
On the possibility of considering the deformed and stressed state of a medium as the initial state V. D. Bondar'. Prikl. mat. i mekh. 27 no. 1:135-141 Ja-F '63.

IRRIGATION
(see also subdivision under Buzskiy Massif; Chu Valley; Uzbekistan)
Maximal use of local runoff for irrigation and methods for abridged hydraulic calculations. P. P. Kochetov. Trudy OmSKhI 41:209-216 '60.
Method of determining the maximum economically justified capacity of irrigation systems under conditions of unregulated streamflow. K. I. Shavva. Izv. AN Kir. SSR, Ser. est. i tekh. nauk 4 no. 10:87-98 '62.

IRRIGATION CANALS AND FLUMES
Methods for working up observation data on the loss of water in periodically operated canals. M. M. Kabakov. Izv. AN Kir. SSR, Ser. est. i tekh. nauk 4 no. 10:5-22 '62.

IRRIGATION FARMING
(see also subdivision under Issyk-Kul' region; Kulunda Steppe; Soviet Central Asia; Uzbekistan)
Approximate estimation of damage caused by a deficiency of water in the irrigation of farm crops. K. I. Shavva. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 4 no. 10:99-113 '62.
Meteorological effect of the irrigation on adjacent non-irrigated areas. S. I. Smirnova. Meteor. i gidrol. no. 11:40-42 N '63.

IRTYSH-KARAGANDA CANAL
On the canal route today. F. Nigel. Nar. khoz. Kazakh. 21 no. 8:58-63 Ag '63.

IRTYSH VALLEY—BARK BEETLES
Effect of the population density on the length of furrows and the number of progeny in bark beetles as exemplified by the bark beetle Blastophagus minor Hart P. M. Rafes. Soob. Lab. lesoved. AN SSSR no. 6 167-190 '62

IRTYSH VALLEY—PINE
Plant ecology in pine strip forests of the Irtysh Valley. I. N. Olovlannikova. Soob. Lab. lesoved. AN SSSR no. 6 112-131 '62.

IRTYSH VALLEY—PINE—DISEASES AND PESTS
Effect of the population density on the length of furrows and the number of progeny in bark beetles as exemplified by the bark beetle Blastophagus minor Hart P. M. Rafes. Soob. Lab. lesoved. AN SSSR no. 6 167-190 '62.

ISAAKIAN, AVETIK
Mkrtchian, L. M. [Avetik Isaakian and Russian literature] Avetik Isaakian i russkaia literatura. Erevan, Armianskoe gos. izd-vo, 1963. 242 p.

ISAEV, MLADEN
Mladen Isaev and Soviet poetry IU. A. Levshina Izv. AN SSSR. Ser. lit. i iaz 22 no 5:397-402 S-O '63.

ISHIMBAY—RELIGION
Disperse the fog of religious prejudices. V. Razumov. Agitator no. 16:34-35 Ag '63.

ISKITIM DISTRICT—STOCK AND STOCKBREEDING
Meat and milk production on the "Berdskiy" State Farm, Novosibirsk Province. V. M. Glukhov. Dokl. i soob. VNIESKH no. 16 25-31 '63.

ISHLINSKII, ALEKSANDR IUL'EVICH, 1913-
Academician A. IU. Ishlinskii; on his 50th birthday Vest. AN SSSR 33 no. 10:69 O '63.

ISOMERISM
On the relative stability of isomers in $MY_{k-2}Y_2$ molecules. V. M. Volkov, A. A. Levin, M. E. Diatkina. Dokl. AN SSSR 152 no. 2:359-362 S '63

ISOMERIZATION
Catalytic isomerization of n-hexane. Kh. M. Minachev, M. A. Riashentseva, IU. A. Afanas'eva. Neftekhimiia 1 no. 4:482-483 Jl-Ag '61.
Chemistry of divinylacetylene and its halo derivatives. Part 14. Isomerization of trans-2, 3, 4, 5-tetrachloro-1, 3, 5-hexatriene to a cis-modification with subsequent dimerization, diene synthesis, and sulfone formation. A. N. Akopian, V. S. Aslamazian, I. M. Rostomian. Zhur. ob. khim. 33 no. 10 3143-3144 O '63.
Isomerization of hexenes in the presence of palladized coal. B. A. Kazanskii and others. Neftekhimiia 3 no. 4:503-506 Jl-Ag '63.
Isomerization of hexenes under conditions of liquid-phase hydrogenation in the presence of palladium black. I. V. Gostunskaia and others. Neftekhimiia 3 no. 4 498-502 Jl-Ag '63.
Isomerization of 1, 1-dichloro-2-vinylcyclopropane in the presence of acid catalysts. A. F. Plate, O. A. Shcherbakova. Neftekhimiia 3 no. 4 507-510 Jl-Ag '63
Review of Al. A. Petrov's book "Catalytic Isomerization of hydrocarbons". A. F. Plate Neftekhimiia 1 no. 3:144-145 My-Je '61.

ISOMERS
Isomeric state of Nd^{139}. K. IA. Gromov and others. Izv. AN SSSR, Ser. fiz. 27 no. 10.1357-1359 O '63.

ISOMERS—DECAY
Half life of a spontaneously fissioning isomer [with summary in English]. V. P. Perelygin, S. P. Tret'iakova. Zhur. eksp. i teor. fiz. 45 no. 4.863-866 O '63.

ISOPENTYL ALCOHOL
Equations for determining the coefficients of evaporation and rectification of isoamyl alcohol. B. D. Mitiushev, R. S. Petrova. Izv. vys. ucheb. zav.; pishch tekh. no 4: 127-133 '63.

ISOPROPYL ALCOHOL
Alkylation of amines. Part 3. Alkylation of p-toluidine with isopropyl alcohol. S. I. Burmistrov, N. V. Ponomarev. Zhur. ob. khim. 33 no. 8 2765-2769 Ag '63.
Kinetics of isopropyl alcohol dehydrogenation in the liquid phase. Part 1. I. R. Davydova, S. L. Kiperman, N. V. Nikolaeva. Kin. i kat. 4 no. 4:605-613 Jl-Ag '63.

ISOPROPYLAMINE
Stereochemical studies. Part 16. Optically active β-(3-indolyl) isopropylamine. V. M. Potapov and others. Zhur. ob. khim. 33 no. 8 2702-2705 Ag '63.

ISOTOPE SEPARATION
On certain properties of water-acetone solutions of potassium bicarbonate and carbon dioxide. I. A. Semiokhin, L. K Lykova Vest. Mosk. un. Ser. 2; Khim 18 no. 5:26-28 S-O '63.

ISOTOPES—DETECTION

[illegible] Isotopes, 152, 110, [illegible] M. P. Bochkarev, D. N. Kamunin, [illegible] Fiz. 4 no. 4 892- [illegible]

ISOTOPES—INDUSTRIAL APPLICATIONS

[illegible] M. Portnoy [illegible] 7 73-79 N '63

ISOTOPES—MASS

[illegible] 139 ≤ A ≤ 176, 63 ≤ Z ≤ 71), R. A. [illegible], Yu. Ts. Oganesian, M. I. Dzkuia Iz. AN SSSR Ser. fiz. 27 no. 10 1334-1356 O '63

ISYK-KUL' REGION—IRRIGATION FARMING

[illegible] of irrigation by the mineralized water from Lake Issyk-Kul' on the yield of farm crops. M. I. Nazarov. Izv. Akad. SSR Ser. biol. i tekh. nauk 4 no. 10 69-77 '62.

ISYK-KUL' REGION—LADYBIRDS

[illegible] of ladybirds Semiadalia przevalskii Sem., [illegible] Coccinellidae). G. I. Savoiskaia [illegible] Akad. SSR 7 316-322 '62.

ITALIAN ART see Art, Italian

ITALY—CORRUPTION (IN POLITICS)

[illegible] and the political situation of Italian [illegible] V. Berlinguer, L. Kolosov. Novoe vrem. 21 [illegible] N '63.

ITALY—DESCRIPTION AND TRAVEL

Al'fan, M. G. [With the eyes of a Baku resident, travel notes] Glazami bakintsa, putevye zametki. Baku, Azerbaid. gosudarstv. izd-vo detskoi i iunosheskoi lit-ry, 1962. 138 p. illus. (MB)

[illegible] Vestn. Ministerstva Inostrannykh Del, no. 6:49-55 '63.

ITALY—FACISM

[illegible] of Fascists in 1922. M. A. Dodolev. [illegible] no. 5 170 '63.

ITALY—LABOR AND LABORING CLASSES

[illegible] problems and the working situation of Italian [illegible] V. Berlinguer, L. Kolosov. Novoe vrem. 21 [illegible] N '63.

ITALY—LIBRARIES

Historical data on the books and libraries mentioned in the testaments of the Italian humanists and scholars of the Renaissance period, 1320-1574. A. I. Khomentovskaia. Sov. bibliia no. 24 217-224 '63.

ITALY—MOTION-PICTURE PLAYS

Remarks about Italian motion pictures. G. Bogemskii. Iskusstvo no. 7 110-120 '63

ITALY—POPULATION

"History, of the Italian population. Vol. 3. Population of the Republic of Venice, the Duchy of Milan, Piedmont, Genoa, and Sardinia: the entire population of Italy" [in Russian] by Kar. Julius Beloch. Reviewed by B. I. Ryabinin. Sovet. arkhiv no. 24 287-288 '63

ITALY—PROFIT SHARING

Present-day paternalism. S. Dorofeev. Kommunist 40 no. 17 119-125 N '63.

ITALY—RUSSIAN STUDIES

Our trip to Ponza Island. Ksenia Levina. Nov. vrem. 21 no. 3:23-30 Ja '63.

ITALY—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

History of the resistance movement in Italy. G. S. Fila- [illegible] '63.

[illegible] the Soviet [illegible] tanovlenie [illegible] Smolensk] [illegible] p

[illegible] UNIST PARTY [illegible] K [illegible] acing. A. Cher [illegible] 3.

[illegible] /mphony; inter- [illegible] nova, poiasne- [illegible]. 30 p

[illegible] n 45 no. 20:

[illegible] IST COM- [illegible] . Alekseev,

IVANOVO (IVANOVO PROVINCE)—TEXTILE INDUSTRY

Profitable to everybody. N. Baranova. Sov. profsoiuzy 19 no. 17 5-6 S '63.

IVANOVO PROVINCE—CLOTHING INDUSTRY

About the nonutilized potentialities of the Ivanovo Province clothing factories. V. IA. Dzhagarova, N. G. Shutova. Sbornik. proizv. no. 3 9-11 Je-Jl [illegible] My-Je] '61.

IVANOVO PROVINCE—DISABILITY EVALUATION

Active observation of invalids' health. L. Glinkova. Sots. obesp. 24 no. 8 21-22 Ag '63.

IVANOVO PROVINCE—INSURANCE, SOCIAL—EMPLOYEES

Couriers and students. V. Leont'ev. Sots. obesp. 21 no. 10 10-12 O '63.

IVANOVO PROVINCE—WHOLESALE TRADE

Alarming symptoms. V. Burmistrov. Sov. potreb. koop. 7 no. 8 28-29 Ag '63.

IZHEVSK—MOTOR VEHICLES—SOCIETIES, ETC.

Motorcycle and automobile club in a school. V. Gorbunov. Za rul. 21 no. 8 26 Ag '63

IZMAYLOVO (MOSCOW PROVINCE)—BUILDING MATERIALS

Building "out of nothing." Nauka i zhyttia 12 no. 3:21 Mr '63.

JAPAN—CHINESE STUDIES (SINOLOGY)

Organization of Chinese studies in Japan. T. V. Vinogradova. Krat. soob. Inst. nar. Az. no. 66 126-139 '63

JAPAN—COMMUNISTS

The fate of Kuniji Murakami. V. Ovchinnikov. Nov. vrem. 21 no. 41 18 O '63.

JAPAN—CULTURE—PERIODICALS

Militant year. V. Grevnin. Nov. mir 39 no. 1:215-248 Ja '63.

JAPAN—EDUCATION

"Youth and hopelessness!" L. Borisoglebskii. Nar. obr. no. 10 112 O '63

JAPAN—FOREIGN ECONOMIC RELATIONS—CHINA

Campaign for the boycott of Japanese merchandise in 1915. A. A. Monina. Krat. soob. Inst. nar. Az. no. 66 117-125 '63.

JAPAN—FOREIGN RELATIONS—CHINA

Attitudes of Japanese ruling groups toward the Chinese People's Republic and the theory of "two Chinese states." I. IA. Bednik. Krat. soob. Inst. nar. Az. no. 64:21-35 '63.

JAPAN—FOREIGN RELATIONS—KOREA, SOUTH

Japanese relations with South Korea. I. I. Vasilevskaia. Krat. soob. Inst. nar. Az. no. 64.36-48 '63.

JAPAN—FOREIGN RELATIONS—TREATIES

Abrogation of the Anglo-Japanese Alliance and the Four-Power Treaty, 1921. G. B. Navlitskaia. Krat. soob. Inst. nar. Az. no. 64:75-89 '63.

JAPAN—HEROIN

Robbed souls. V. Ovchinnikov. Ogonek 41 no. 37:18-19 S '63.

JAPAN—HISTORY

History of Japanese feudal wars and mass movements in the middle of the 16th century; "ikko ikki" in Mikawa Province. N. A. Iofan. Krat. soob. Inst. nar. Az. no. 64. 102-107 '63.

JAPAN—MONOPOLIES

Organizations of Japanese monopolists and their political influence [with summary in English, p. 257]. I. A. Latyshev. Nar. Az. i Afr. no. 5 42-54 '63.

Political program of Japanese monopolists and its economic background. I. A. Latyshev. Krat. soob. Inst. nar. Az. no. 64:125-135 '63.

JAPAN—MOTION PICTURES

The golden calf rules the screen. G. Komarovskii. Az. i Afr. seg. no. 11.44-46 N '63.

JAPAN—POLITICS AND GOVERNMENT

Organizations of Japanese monopolists and their political influence [with summary in English, p. 257]. I. A. Latyshev. Nar. Az. i Afr. no. 5:42-54 '63.

Political program of Japanese monopolists and its economic background. I. A. Latyshev. Krat. soob. Inst. nar. Az. no. 64:125-135 '63.

JAPAN—ROCKETS (ORDNANCE)

Japan arms herself with rockets. M. Chukanov. Mezhdunar. zhizn' 10 no. 12 143-144 D '63.

JAPAN—SHIPBUILDING

Shipbuilding in Japan. S. Martynovskii. Mor. flot 23 no. 8:41-42 Ag '63.

JAPAN, SEA OF—FISHES—EGGS

Materials on the fecundity and development of eggs of the Pacific mackerel Pneumatophorus japonicus. N. F. Pushkareva. Izv. TINRO 46:79-94 '60.

JAPAN, SEA OF—MACKEREL

Materials on the fecundity and development of eggs of the Pacific mackerel Pneumatophorus japonicus. N. F. Pushkareva. Izv. TINRO 46:79-94 '60.

JAPAN, SEA OF—PLANKTON

Seasonal changes in the plankton of the open [illegible] Sea of Japan. I. M. Moshchetinkova. Izv. TINRO 46 99-114 '60.

JAUNDICE

Mechanical laundice according to materials of [illegible] gical clinics of the Moscow Provincial [illegible] search Clinical Institute. V. I. Shuvaeva [illegible] nauch. sotr. MONIKI no. 1.50-54 '59

JAVELIN THROWING see subdivision under Exercise,

JAWS—FRACTURE

X-ray diagnosis of fractures of the maxilla [illegible] cent regions of the skull. I. M. Alreva [illegible] zhur., no. 1 77-78 Ja-F '61.

JEHOVAH'S WITNESSES see subdivision under [illegible] Province, Yedintsy District

JEJUNUM

Secretory function of the jejunum in calves. A. I. Degtiarev. Dokl. TSKHA no. 89:257-261 '61.

JENGHIS KHAN, 1162-1227

Honest Ancestors and dishonest descendants. [illegible] ganteev. Az. i Afr. seg. no. 11:36-37 N '63.

JERUSALEM—ORTHODOX EASTERN CHURCH

Patron Saint day at the Russian Orthodox [illegible] in Jerusalem. Hieromonk Agafangel. Zhur. Mosk. Patr. no. 8:17-19 Ag '63.

JESUS, CAROLINA MARIA DE

When the sky is yellow. P. Chumak. Ogonek 41 [illegible] 18-19 S '63.

JESUS CHRIST—TRANSFIGURATION

Transfiguration of our Lord. V. Vvedenskii. Zhur. Mosk. Patr. no. 8:47-48 Ag '63.

JET PLANES—FUEL

Heteroorganic compounds and thermal stability [illegible] fuels. Khim. i tekh. topl. i masel 8 no. 8:56- [illegible]

JET PROPULSION

Virozub, I. E., and A. S. Eremenko. [Jet engines] [illegible] dvigateli. Kiev, Izd-vo Akad. nauk Ukr. SSR, 1963. 80 p. (Nauchno-popularnaia lit-ra dlia [illegible]

Vocations of a jet propeller. Iu. Smirnov. Av. i [illegible] no. 19,22 O '63.

JETS—FLUID DYNAMICS

Focusing of continuous water jets subjected to [illegible] of an electric field. A. A. Semerchan, A. I. [illegible] V. G. Ushov. Trudy TSNIIMF no. 11.48-54 '63.

Fundamentals of the kinematics and dynamics of [illegible] hydraulic compressors and pulsed water jets. [illegible] Lasitsa. Trudy TSNIIMF no. 41.99-111 '63.

Problems in selecting nozzles for [illegible] water jet at subsonic speed. V. G. Ushov. Trudy TSNIIMF no. 41.59-65 '63.

JEWELRY, ANCIENT see subdivision under [illegible]

JIGS AND FIXTURES

Detachable jig for centering and fixing columns [illegible] the erection of reinforced concrete tanks. Stroi. truboprov. 8 no. 8:23 Ag '63.

JOINTS—DISEASES

Study of the etiology, pathogenesis and symptoms of arthrosis of large joints, spondylarthrosis, and [illegible] dylosis. E. M. Morozova. Kaz. med. zhur. no. 1 [illegible] Ja-F '61.

JOINTS (GEOLOGY)

(see also subdivision under Bashkiria, Irkutsk Province, Minusinsk Basin)

Methods of studying fractured rocks in connection [illegible] their reservoir properties. L. M. Smekhov and [illegible] Trudy VNIGRI no. 121.7-66 '58.

Results of studying macrofractured rocks according [illegible] data on the Novovoskresenskaya structure in [illegible] Province. M. G. Romashova. Trudy VNIGRI [illegible] 121. 115-155 '59.

Study of the fluid flow in fractured rocks in connection with their reservoir properties. E. S. Romm. Trudy VNIGRI no. 121.217-243 '58.

JOKUBONIS, GEDIMINAS

Gediminas Jokubonis. S. Budrys. Iskusstvo 26 no. 6-12 '63.

JOURNALISM

Journalism and its functions. E. P. Prokhorov. Vest. Mosk. un. Ser. 7: Filol., zhur. 18 no. 3:3-18 My-Je '63.

JOURNALISM—CONGRESSES

Our commentaries. Nov. vrem. 21 no. 11 1-3 O '63.

JOURNALISTS see subdivision under Voronezh Province

JUDAISM

Love your neighbor, but do not overheat the food. M. Al'tshuler. Nauka i zhizn. 4 no. 8,62-65 Ag '63.

JUDGES

A people's judge. S. Ozols. Sov. iust. no. 13:21-22 Jl '63.

JUGULAR VEIN—TUMORS

Some symptoms in the arm and shoulder girdle in patients with a tumor of the glomus jugulare [with summary in French]. A. I. Churasina. Zhur. nevr. i psikh. 63 no. 2 217-219 '63.

JUNCTION TRANSISTORS

Electron-hole junctions in p-InSb. V. V. Galavanov, U. Zilakhanov, D. N. Naseledov. Fiz. tver. tela 5 no. 10: 3048-3050 O '63.

Plasma oscillations in a solid body with p-n junction. Iu. A. Romanov. Fiz. tver. tela 5 no. 10:2988-2990 O '63.

JURKUNAS, VYTAUTAS

Artist of poetic talent. I. Skuratov. Iskusstvo 26 no. 6: 36-42 '63.

JUSTICE, ADMINISTRATION OF

(see also subdivision under Lithuania, Poland, Tula Province, United States)

Preventing the violation of civil laws is an important part of court work. E. Popov. Sov. iust. no. 19 12-13 O '63.

JUVENILE DELINQUENCY

Factors which contribute to juvenile delinquency. S. Tarankhin, Iu. Frolov. Rad. pravo no. 4 17-21 Jl-Ag '63.

Following a black track. V. Matsuk. Mol. komm. no. 10: 80-84 O '63.

KABACHEK, LEONID VASIL'EVICH, 1924-

Leont'eva, G. K. Leonid Vasil'evich Kabachek. Leningrad, Khudozhnik RSFR, 1963. 52 p. illus. plates. (MH)

KABARDINO-BALKAR A.S.S.R.—PEASANT UPRISINGS

TSoraev, M. M. [Uprising of the Kabardian and Balkar peasants in 1913] Vosstanila kabardinskikh i balkarskikh krest'ian v 1913 godu. Pod red. T. Kh. Kumykova. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1963. 56 p.

KACHKANAR—IRON MINES AND MINING

Kachkanar, the city of enthusiasts. D. Markish. Sov. Soiuz no. 8,16-20 '63.

KACHURA, IAKIV, 1897-1942

Buryak, B. S. [IAkiv Kachura; his life and work] IAkiv Kachura, zhittia i tvorchist'. Kyiv, Radians'kyi pys'mennyk, 1962. 148 p. (NN)

KADNIKOV REGION—SPRUCE

Some problems of the phytocoenosis of spruce forests in the light of experimental data. V. G. Karpov. Soob. Lab. lesoved. AN SSSR no. 6:35-61 '62.

KAFAN REGION—MINERALS

Recent data on the mineralogy of enclosing rocks in the Kafan ore area. B. S. Varinpetian and others. Dokl. AN Arm. SSR 37 no. 1:25-28 '63.

KAKHETIA—FORTIFICATIONS, OLD

Zakaraia, P. P. [Fortifications of Kakhetia] Fortifikatsionnye sooruzhenila Kakheti. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1962. 214 p. [In Georgian with summary in Russian]

KAKHOVKA RESERVOIR—FISHES

Cheap and coarse fish and the conditions of their reproduction during the first years of Kakhovka Reservoir. O. M. Vashchenko. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14 33-37 '62.

KAKHOVSK HYDROELECTRIC POWER STATION

Use of group excitation regulation of generators in the Kakhovsk Hydroelectric Power Station. A. D. Lipunov. Elek. sta. 31 no. 8:36-39 Ag '63.

KALININ—CLOTHING INDUSTRY

Three hundred thousand in a boot. V. Morozova, B. Kuz'min. Ogonek 41 no. 36:30-31 S '63.

KALININ—COMMUNITY AND SCHOOL

Plant committee, family and school. I. Brekhov. Sov. profsoiuzy 19 no. 19 20-21 O '63.

KALININ—SHOE INDUSTRY

Three hundred thousand in a boot. V. Morozova, B. Kuz'min. Ogonek 41 no. 36:30-31 S '63.

KALININ PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

What the practice of propaganda seminars teaches us. N. Korytkov. Polit. samoobr. 7 no. 9 99-100 S '63.

KALININ PROVINCE—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Tereshchatov, V. I. [Nine hundred days behind enemy lines] 900 dnei v tylu vraga. [Kalinin] Kalininskoe knizhnoe izd-vo, 1962. 216 p. (MH)

KALININ PROVINCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Tereshchatov, V. I. [Nine hundred days behind enemy lines] 900 dnei v tylu vraga. [Kalinin] Kalininskoe knizhnoe izd-vo, 1962. 216 p. (MH)

KALMYK A.S.S.R.—STOCK AND STOCKBREEDING

Organization of meat production on the "Komsomolets" State Farm, Kalmyk A.S.S.R. V. P. Butrimenko. Dokl. i soob. VNIESKH no. 15 56-62 '63.

KALUGA—GLIDING AND SOARING

First glider pilots in Kaluga. N. Ditrikh. Kryl. rod. 11 no. 11,15 N '63.

KALUGA PROVINCE—FOREST SOILS

Humus of gray forest soils of the hardwood forest zone. I. S. Urusevskaia. Nauch. dokl. vys. shkoly, biol. nauki no. 4:185-191 '63.

KALUGA PROVINCE—HUMUS

Humus of gray forest soils of the hardwood forest zone. I. S. Urusevskaia. Nauch. dokl. vys. shkoly, biol. nauki no. 4,185-191 '63.

KALUGA PROVINCE—SOILS—MOLYBDENUM CONTENT

Molybdenum in the soils of Kaluga Province. V. D. Vasil'evskaia, V. A. Krutikova. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 6,48-57 N-D '63.

KAMA VALLEY—GEOLOGY

Geology of the crystalline bedrock in the Vyatka-Kama interfluve. R. N. Valeev, B. S. Sitdikov. Dokl. AN SSSR 152 no. 6 1416-1419 O '63.

KAMA VALLEY—HEMORRHAGIC FEVER

Hemorrhagic fever with renal syndrome in districts of the Kama Valley of the Tatar S.S.R. A. A. Ivanov. Kaz. med. zhur. no. 1,63-64 Ja-F '61.

KAMCHATKA—AGRICULTURE—EXPERIMENTATION

Those who meet the sun. L. Korneshov, B. Chashcharin. IUn. nat. no. 2,13-17 F '63.

KAMCHATKA—ATKA FISH

Materials on Atka fish (Pleurogrammus monopterygius (Pallas). [with summary in English]. A. V. Medvedtseva. Trudy Inst. okean. 59:101-103 '62.

KAMCHATKA—DESCRIPTION AND TRAVEL

At the edge of the earth. E. Kamenetskii. Kul't. i zhizn. 7 no. 10:17-21 '63.

Those who meet the sun. L. Korneshov, B. Chashcharin. IUn. nat. no. 2:13-17 F '63.

KAMCHATKA—LARCH

Seasonal development of larch forests. I. N. Elagin. Soob. Lab. lesoved. AN SSSR no. 6:83-93 '62.

KAMENEV, SERGEI SERGEEVICH, 1881-1936

Kamenev, S. S. [Notes on the civil war and the organization of the armed forces] Zapiski o grazhdanskoi voine i voennom stroitel'stve; izbrannye stat'i. Sost. N. S. Kameneva, L. M. Spirin, P. P. Chernushkov. Moskva, Voenizdat, 1963. 261 p.

KAMINSKII, LEV SEMENOVICH, 1889-1962

In memory of L. S. Kaminskii. Prim. mat. metod. v biol. no. 2:3-4 '63.

KAMYSHLOV DISTRICT—MEDICINE, RURAL

When possibilities are not made use of. I. Blinov. Okhr. truda i sots. strakh. 6 no. 11,39-40 N '63.

KANDA BAY—MARINE FAUNA

Kanda Bay and its inhabitants. L. A. Galkina, L. E. Pozdniakova, T. IA. TSeeb. Okeanologiia 3 no. 5:898-906 '63.

KANEV REGION—LEAF MINERS

Leaf miners and gall insects in the middle Dnieper Valley. L. V. Puchkova. Pratsi Inst. zool. AN URSR 17:118-123 '61.

KANGAN—BAKERIES

At head of the collective. A. Aleksandrova. Part. zhizn' [Uzb.] 6 no. 2:84-85 F '63.

KANTOROVICH, ANATOLII IAKOVLEVICH, 1896-1944

Anatolii IAkovlevich Kantorovich, a Soviet political scientist. V. N. Nikiforov. Krat. soob. Inst. nar. Az. no. 56:143-158 '63.

KARA-BOGAZ-GOL (GULF)—BRINES

Production of mineral salts from Kara-Bogaz-Gola brines. G. S. Sedel'nikov. Khim. prom. no. 7 501-505 Jl '63.

KARA-BOGAZ-GOL (GULF) REGION—GAS, NATURAL—GEOLOGY

Basic stages in the history of the geological development of the Kara-Bogaz-Gol (Gulf) region in the Mesozoic and Tertiary as related to oil and gas potentials. L. A. Pol'ster. Izv. AN SSSR, Ser. geol. 28 no. 10:60-76 O '63.

KARA-BOGAZ-GOL (GULF) REGION—PETROLEUM GEOLOGY

Basic stages in the history of the geological development of the Kara-Bogaz-Gol (Gulf) region in the Mesozoic and Tertiary as related to oil and gas potentials. L. A. Pol'ster. Izv. AN SSSR, Ser. geol. 28 no. 10:60-76 O '63.

KARA-KALPAK A.S.S.R.—AGRICULTURE

Kara-Kalpak agriculture should become diversified. A. Turuntaev. Nar. khoz. Uzb. 5 no. 10 17-19 O '63.

KARA-KALPAK A.S.S.R.—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

The raw materials base exists, let us build a combine. A. Iuilts. Nar. khoz. Uzb. 5 no. 10 22-24 O '63.

KARA-MAZAR MOUNTAINS—GEOLOGY, STRUCTURAL

Tectonic pattern of the Almalyk ore zone. M. A. Akhmedzhanov and others. Uzb. geol. zhur. 7 no. 3 55-61 '63.

KARA SEA—SEALS (ANIMALS)

Biology of the bearded seal (Erignathus barbatus) [with summary in English]. M. N. Tarasevich. Trudy Inst. okean. 71:223-225 '63.

KARAGANDA—LEGAL RESEARCH

A theoretical conference in Karaganda on the problems of corrective labor law. A. A. Filimonova. Sov. gos i pravo 33 no. 10:150-151 O '63.

KARAGANDA—METALWORKERS

The heiress (sketch). S. Nikitin. Sov. profsoiuzy 19 no. 19 28-30 O '63.

KARAGANDA BASIN—COAL MINES AND MINING

When the economy was consumed by laggards. P. Liokai. Nar. khoz. Kazakh. 21 no. 8:16 Ag '63.

With a stroke of the pen. G. Abramov. Nar. khoz. Kazakh. 21 no. 8:27 Ag '63.

KARAGANDA BASIN—MINING ENGINEERING—TECHNOLOGICAL INNOVATIONS

There should be no cliches in planning. A. Fridliand. Nar. khoz. Kazakh. 21 no. 8:64-66 Ag '63.

KARAGANDA BASIN—SUBSIDENCES (EARTH MOVEMENTS)

Efficient means of mining coal seams under installations in the Karaganda Basin. Ugol' 38 no. 9 22-26 S '63.

KARAGANDA PROVINCE—CONSTRUCTION INDUSTRY

What do figures tell. A. Orlov. Nar. khoz. Kazakh. 21 no. 8:8-12 Ag '63.

KARAGANDA PROVINCE—CONSTRUCTION INDUSTRY—CONGRESSES

Builders of central Kazakhstan are uncovering potentials. Nar. khoz. Kazakh. 21 no. 8:7 Ag '63.

KARAGANDA PROVINCE—CONSTRUCTION INDUSTRY—COSTS

Over-expenditures which are passed over. P. Chekhlov. Nar. khoz. Kazakh. 21 no. 8:12-15 Ag '63.

KARAGANDA PROVINCE—CONSTRUCTION INDUSTRY—FINANCE

They saved a kopeck but wasted a rouble. I. Kravchenko. Nar. khoz. Kazakh. 21 no. 8:21-23 Ag '63.

KARAGANDA PROVINCE—CONSTRUCTION INDUSTRY—LABOR PRODUCTIVITY

There are potentials but no results. I. Grunskii. Nar. khoz. Kazakh. 21 no. 8:25-26 Ag '63.

KARAGANDA PROVINCE—LILIALES

Phenological development of Liliiflorae, in Central Kazakhstan. T. A. Popova. Bot. zhur. 48 no. 9 1389-1394 S '63.

KARAGANDA PROVINCE—METALLURGICAL PLANTS

History of the building of the Karaganda Metallurgical Plant, 1856-1962. A. Igenbaev. Vest. AN Kazakh. SSR 19 no. 9:65-77 S '63.

KARAGANDA PROVINCE—METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION

Our practice of primary planning. L. Geller. Nar. khoz. Kazakh. 21 no. 8:17-20 Ag '63.

KARAKUL SHEEP—FEEDING AND FEEDS

Weight losses during the preslaughter holding of Karakul sheep after their feeding with cottonseed hulls. V. Kuznetsov, V. Tret'iakov, E. Safar'iants. Mias. ind. SSSR 34 no. 5,33-34 '63.

KARAMAZAR MOUNTAINS—SKOLITE

Skolite formation in granitoids near the Gaymak-Kan arsenic and complex ore deposit in the Karamazar Mountains. V. D. Savonov. Dokl. AN SSSR 152 no. 2 411-413 S '63.

KARASLAVOV, GEORGI

Story of the creation of G. Karaslavov's novel "Daughter-in-law." V. D. Andreev. Lit. slav. nar. 8 170-176 '63.

KARELIA—ARCHAEOLOGY

Answer to A. L. Brusov, N. Gurina. Sov. arkheol. 7 no. 3 312-315 '63.

KARELIA—FORESTS AND FORESTRY

Increase of the productivity of forests of the Karelian S. S. R. based on the drainage of swamped forest areas of state forest resources. A. F. Goncharik. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10 91 '63.

KARELIA—LOADING AND UNLOADING

Loading bundles on a ship by cranes. A. I. Barinov. Les. prom. 40 no. 6 11-12 Je '62.

KARELIA—LUMBER—TRANSPORTATION

Loading bundles on a ship by cranes. A. I. Barinov. Les. prom. 40 no. 6 11-12 Je '62.

KARELIA—ROCKS, SEDIMENTARY

Karelian basal formations (Lower Proterozoic) in the Parandovo-Nadvoitsy region in the Karelian A. S. S. R. (with summary in English). M. A. Gilarova. Vest. LGU 18 no. 18 15-27 '63.

KARELIA—SAWMILLS

We are introducing advanced technology. M. A. Pylaev. Les. prom. 40 no. 6 3-5 Je '62.

KARELIA—TRANSPORTATION—FREIGHT AND FREIGHTAGE

Interregional and intraregional economic relations of the Karelian A. S. S. R. L. S. Monakhovich. Probl. Sev. no. 5 68-83 '63.

KARELIA—WOOD—CHEMISTRY

Prospects for the development of the wood chemistry industry in Karelia. A. F. Amozov. Gidroliz i lesokhim. prom. 14 no. 8 24 '61.

KARELIAN ART see Art, Karelian

KARELIAN ISTHMUS—PEAT BOGS

Zoning of bogs in small areas and its importance for agriculture as revealed by the studies in the Karelian Isthmus (with summary in English). T. G. Abramova. Vest. LGU 18 no. 18 68-81 '63.

KARLINSKOYE (MAYNA DISTRICT)—RURAL CONDITIONS

Main spring in his breast. O. Kuprin. Ogonek 41 no. 36 9-10 S '63.

KARMAZINOVSKII, NIKOLAI

Honor of a communist. B. Ostrovskii. Sov. voin 44 [i. e. 45] no. 16 33 Ag '63.

KARST see subdivision under Syria

KASHKA-DARYA VALLEY—ARMS AND ARMOR, PRIMITIVE

Burial of a soldier in the Kashka-Darya Valley. S. K. Kabanov. Sov. arkheol. 7 no. 3 236-240 '63.

KATANGA—DESCRIPTION AND TRAVEL

Katanga in 1963. T. Kolesnichenko. Az. i Afr. segodnia no. 11 32-34 N '63.

Katanga in 1937. D. Bystroletov. Az. i Afr. segodnia no. 11 28-31 N '63.

KATANGA—INVESTMENTS, FOREIGN

The "Tanganyika Concession." M. Kogan. Mir. ekon. i mezhdunar. otn. no. 10 130-134 '63.

KATILIUTE, MARCE, 1912-1937

Mikenaite, A. M. Katiliute. Vilnius, Valstybine politines ir moksliines literaturos leidykla, 1963. 27 p. illus. [In Lithuanian and Russian]

KATURKA VALLEY (UKRAINE)—FISHPONDS

Zooplankton in the ponds of the "Pushcha-Voditsa" white-fish farm. N. S. Meniuk. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14:55-58 '62.

KATURKA VALLEY (UKRAINE)—ZOOPLANKTON

Zooplankton in the ponds of the "Pushcha-Voditsa" white-fish farm. N. S. Meniuk. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14:55-58 '62.

KAZAKEVICH, EMMANUIL GENRIKHOVICH, 1913-

Song by Emmanuil Kazakevich. V. Shishkov. Sov. voin 45 no. 21-30 N '63.

KAZAKH REGION (AZERBAIJAN)—ARROWHEADS

Arrowheads from the ancient site of Baba-Dervish [in Azerbaijani with summary in Russian]. G. S. Ismailov. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 4:95-98 '63.

KAZAKH LANGUAGE—STYLE

Metaphors and metaphoric combinations in the Kazakh language [in Kazakh with summary in Russian]. B. Ishanov. Vest. AN Kazakh SSR 18 no. 4 52-60 Ap '62.

KAZAKHSTAN—AGED

Leont'eva, L. P. [Old age retreats] Starost' otstupaet. Alma-Ata, Kazgosizdat, 1963. 197 p.

KAZAKHSTAN—ATMOSPHERIC TRANSPARENCY

Results of studying the astroclimate of southern Kazakhstan [with summary in English]. K. I. Kozlova. Trudy Astrofiz. inst. AN Kazakh SSR 3:49-67 '63.

KAZAKHSTAN—BIBLIOGRAPHY

[Kazakhstan, a bibliography for 1955] Kazakhstan, bibliografiia za 1955 god. [Alma-Ata, Gos. respublikanskaia biblioteka Kazakhskoi SSR im. A. S. Pushkina, 1960]. 341 p.

KAZAKHSTAN—CEMENT—TRANSPORTATION

Regulate cement transportation. L. Sukhova. Nar. khoz. Kazakh. 21 no. 8 16-17 Ag '63.

KAZAKHSTAN—CLICK BEETLES—EXTERMINATION

Biology and ecology of the Turkestan click beetle Agriotes meticulosus Cand. A. S. Kosmachevskii. Trudy Kaz. NIIZR 7:405-408 '62.

KAZAKHSTAN—CLIMATE

Preliminary results of the studies of astroclimate in Kazakhstan [with summaries in English]. K. I. Kozlova. Trudy Astrofiz. inst. AN Kazakh SSR 3:122-132 '62.

KAZAKHSTAN—COLD STORAGE WAREHOUSES

New cold storage distribution warehouses of the Kazakhstan S. S. R. I. M. Gindlin. Khol. tekh. 40 no. 5 4-7 S-O '63.

KAZAKHSTAN—COMMUNIST PARTY OF THE SOVIET UNION

A book on the history of the Communist Party of Kazakhstan. A. N. Nusupbekov, V. M. Ustinov. Vop. ist. KPSS 7 no. 10 124-128 O '63.

KAZAKHSTAN—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

The party guidance of production. Nar. khoz. Kazakh. 21 no. 8:33 Ag '63.

KAZAKHSTAN—CONSTRUCTION INDUSTRY

Students at construction work in virgin lands. I. K. Komarov. Vest. vys. shkoly 21 no. 10 55-58 O '63.

KAZAKHSTAN—CORN AS FEED

Effectiveness of enriching corn silage with carbamide and ammonium sulfate. T. I. Barbasov. Trudy VIZH 24 173-181 '62.

KAZAKHSTAN—CRIMINAL PROCEDURE

Kazakh S. S. R. Laws, statutes, etc. [Code of criminal procedure of the Kazakh S. S. R.] Ugolovno-protsessual'nyi kodeks Kazakhskoi Sovetskoi Sotsialisticheskoi Respubliki. Alma-Ata, Kazakhskoe gos. izd-vo, 1960. 147 p.
(MH-L)

KAZAKHSTAN—CUTWORMS

Regularities in the mass multiplication of the cutworm Hadena sordida. G. Kh. Shefr. Trudy Kaz. NIIZR 7:334-341 '62.

KAZAKHSTAN—DAIRY INDUSTRY

Valuable food products are not utilized. A. Shakin. Nar. khoz. Kazakh. 21 no. 9:34-37 Ag '63.

KAZAKHSTAN—DUST—PREVENTION

Dustiness of the surface layer of atmospheric air in the desert and semidesert regions of Central Asia and Kazakhstan [with summary in English]. V. I. Kashina. Trudy Astrofiz. inst. AN Kazakh SSR 3:115-121 '62.

KAZAKHSTAN—ECONOMIC CONDITIONS

Bakbergenov, S., comp. [Beacons, a collection of essays about heroes of the seven-year plan. Maiaki, sbornik ocherkov o geroiakh semiletki. Alma-Ata, Kazgoslitizdat] 1962. 284 p. [In Kazakh]
(MH)

KAZAKHSTAN—ECONOMIC POLICY

Creation of the material and technical base of communism in the U. S. S. R. and the objectives of the economic development of Kazakhstan. S. E. Tolybekov. Vest. AN Kazakh SSR 18 no. 4 3-12 Ap '62.

Problems concerning the rights of the Supreme Soviets of the Union Republics in the sphere of industrial and agricultural planning, based on the materials of the Kazakh S. S. R. S. Dosymbekov. Sov. gos. i pravo 33 no. 10 43-48 O '63.

KAZAKHSTAN—EFFICIENCY, INDUSTRIAL

Save time and strengthen labor discipline. Nar. khoz. Kazakh. 21 no. 8:3-6 Ag '63.

KAZAKHSTAN—FUSARIUM

Potato wilt in southern and southeastern Kazakhstan. S. T. Bubentsov. Trudy Kaz. NIIZR 7:580-597 '62.

KAZAKHSTAN—GEOGRAPHY—DICTIONARIES

Konkashpaev, G. K. [Dictionary of Kazakh geographical names] Slovar' kazakhskikh geograficheskikh nazvanii. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 184 p.

KAZAKHSTAN—GEOLOGICAL SURVEYS

Economics of geological surveys. S. Konilin. Nat. i s. Kazakh. 21 no. 8:13-15 Ag '63.

KAZAKHSTAN—GEOLOGY

New data on the geology of the Agyrek Mountain region (northeastern part of central Kazakhstan). V. D. Malyi. Izv. AN SSSR. Ser. geol. 28 no. 10:38-45 O '63.

KAZAKHSTAN—GRAIN—DISEASES AND PESTS

Studying the fauna of rural granaries in Kazakhstan. P. K. Chernyshev. Trudy Kaz. NIIZR 7:62-74 '62.

Zonal distribution of granary pests. P. K. Chernyshev. Trudy Kaz. NIIZR 7:57-61 '62.

KAZAKHSTAN—HISTORY

History of the agrarian movement of Kazakh peasants in the years of the first Russian revolution. B. S. Sitpenov. Vest. AN Kazakh SSR 18 no. 4 32-40 Ap '62.

KAZAKHSTAN—INDUSTRIAL MANAGEMENT

Important method of administration. A. Shcherbin. Nar. khoz. Kazakh. 21 no. 8:28-32 Ag '63.

The party guidance of production. Nar. khoz. Kazakh. 21 no. 8:33 Ag '63.

KAZAKHSTAN—INDUSTRIES

Follow-up of our materials. Nar. khoz. Kazakh. 21 no. 8:79-80 Ag '63.

KAZAKHSTAN—INSECTS, INJURIOUS AND BENEFICIAL

Studying the fauna of rural granaries in Kazakhstan. P. K. Chernyshev. Trudy Kaz. NIIZR 7:62-73 '62.

Zonal distribution of granary pests. P. K. Chernyshev. Trudy Kaz. NIIZR 7:57-61 '62.

KAZAKHSTAN—LABOR AND LABORING CLASSES

"Studies on the history of laboring classes in prerevolutionary Kazakhstan" by L. Dil'mukhamedov, I. Mal'bas, V. A. Barshin, V. IA. Basin. Vop. ist. 38 no. 10 139-140 O '63.

KAZAKHSTAN—LABOR DISCIPLINE

Save time and strengthen labor discipline. Nar. khoz. Kazakh. 21 no. 8:3-6 Ag '63.

KAZAKHSTAN—LADYBIRDS

Ladybirds of the genus Coccinula Dolzh. in southeastern Kazakhstan. G. I. Savolskaia. Trudy Kaz. NIIZR 7:329-339 '62.

Morphology and systematics of larvae of the genus Coccinella L. (Coleoptera, Coccinellidae). G. I. Savolskaia. Trudy Kaz. NIIZR 7:299-315 '62.

KAZAKHSTAN—LEAF BEETLES

Biology of the leaf beetle Theone silphoides, a pest of pasture plants. L. G. Serkova. Trudy Kaz. NIIZR 7:81-109 '62.

KAZAKHSTAN—LOCUSTS

Italian locust (Calliptamus italicus L.) in central Kazakhstan. K. A. Vasil'ev. Trudy Kaz. NIIZR 7:123-150 '62.

KAZAKHSTAN—LOCUSTS—BIOLOGICAL CONTROL

Role of the digger wasp Tachysphex pompiliformis (Panz.) in reducing the number of the Athasar locust Bucicolaria krausei Ingen. M. P. Mal'kovskii. Trudy Kaz. NIIZR 7:342-346 '62.

KAZAKHSTAN—METALLURGICAL PLANTS—FIRES AND FIRE PREVENTION

Metallurgists study fire prevention. N. Nechaeva. Pozh. delo 8 no. 9:28 S '62.

KAZAKHSTAN—METEOROLOGICAL OPTICS

Development of atmospheric optics in Kazakhstan. F. V. Plaskovskaia-Fesenkova. Trudy Astrofiz. inst. AN Kazakh. SSR 3:11-26 '62.

KAZAKHSTAN—MUSCOVITE

X-ray studying of some natural muscovite. N. I. Organova. Rent. min. syr. no. 2:41-45 '62.

KAZAKHSTAN—NEPHELITE

Nepheline rocks of the Virgin Territory as a comprehensive raw material for the production of aluminum oxide soda products and cement. V. D. Ponomarev and others. Vest. AN Kazakh SSR 18 no. 4 23-31 Ap '62.

KAZAKHSTAN—PHENOLOGY

Phenological observations in steppe communities with the consideration of the morphology and biology of plants [with summary in English]. Z. G. Bespalova, I. V. Borisova. Bot. zhur. 48 no. 9:1271-1284 S '63.

KAZAKHSTAN—PLANT DISEASES

Third supplement to the list of the diseases of farm plants in Kazakhstan. L. D. Kazenas. Trudy Kaz. NIIZR 7:607-612 '62.

KAZAKHSTAN—POLITICS AND GOVERNMENT

Problems concerning the rights of the Supreme Soviets of the Union Republics in the sphere of industrial and agricultural planning; based on the materials of the Kazakh S.S.R. S. Dosymbekov. Sov. gos i pravo 33 no.10:43-48 O '63.

KAZAKHSTAN—POTATOES—DISEASES AND PESTS

Potato wilt in southern and southeastern Kazakhstan. S. T. Butentsov. Trudy Kaz. NIIZR 7 580-597 '62.

KAZAKHSTAN—RAILROADS—EMPLOYEES

Role of the employees of Kazakhstan railroads in the establishment and consolidation of the Soviet regime, 1917-1918. M. Baikenov. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR 17:63-88 '63.

KAZAKHSTAN—RECLAMATION OF LAND—CONGRESSES

Mezhrespublikanskaia nauchnaia sessiia po osvoeniiu pustynnykh territorii Srednei Azii i Kazakhstana, Ashkhabad, 1962. [Materials presented at the Interrepublic Scientific Session on the Reclaiming of the Desert Areas of Central Asia and Kazakhstan] Materialy dolozhennye na sessii] Ashkhabad, Izd-vo Akad. nauk TSSR.

[Book 1.] [Natural conditions, animal husbandry, and feed supply of the desert] Prirodnye usloviia, zhivotnovodstvo i kormovaia baza pustyn'. 1963. 485 p.

[Book 2.] [Land and water resources of the desert and their utilization] Zemel'no-vodnye resursy pustyn' i ikh ispol'zovanie. 1963. 178 p.

KAZAKHSTAN—REFRIGERATION AND REFRIGERATING MACHINERY

Present state and prospects of the development of refrigeration in Kazakhstan. A. P. Sheffer. Khol. tekh. 40 no. 5:1-3 S-O '63.

KAZAKHSTAN—REVOLUTION, 1917-1921

V. I. Astrakhantsev, a brave commissar. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR 17:152-153 '63.

Everyday life on the front. A. L. Kislov. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR 17:143-144 '63.

From the front to the factory, and again we left to fight. P. D. Kozlukov. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR 17:140-141 '63.

Power of the honest word. P. G. Dubskii. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR 17:142-143 '63.

Preface. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR 17:3-4 '63.

Role of the employees of Kazakhstan railroads in the establishment and consolidation of the Soviet regime, 1917-1918. M. Baikenov. Trudy Inst. ist., arkheol. i etn. AN SSR 17:63-88 '63.

Through cold and heat. S. R. Bukatnikov. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR 17:138-140 '63.

Transition from revolutionary committees to the soviets in Kazakhstan in 1920. A. S. Clagin. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR 17:97-114 '63.

KAZAKHSTAN—RUNOFF

Calculating the parameters of probability curves of the annual runoff for rivers of the southern areas of Western Siberia and northern and central Kazakhstan. V. M. Shmakov. Trudy OmSKhI 41 149-161 '60.

KAZAKHSTAN—SCIENCE

For the further development of science in Kazakhstan. Vest. AN Kazakh. SSR 19 no. 9:41-44 S '63.

KAZAKHSTAN—SMUTS

Some work results of differentiated use of preparations for controlling smuts. E. I. Ishpulkina. Trudy Kaz. NIIZR 7:613-623 '62.

KAZAKHSTAN—SOIL TEMPERATURE

Soil temperature during the winter in the orchards of Siberia and northern Kazakhstan. L. S. Galvoronskaia. Meteor. i gidrol. no. 11:35-36 N '63.

KAZAKHSTAN—SPARROWS—EXTERMINATION

Biology of the sparrow Passer hispaniolensis Temm. and measures for its control in Kazakhstan. E. I. Gavrilov. Trudy Kaz. NIIZR 7:459-528 '62.

KAZAKHSTAN—STARS—OBSERVATIONS

Preliminary results of the studies of astroclimate in Kazakhstan [with summaries in English]. K. I. Kozlova. Trudy Astrofiz. inst. AN Kazakh. SSR 3:122-132 '62.

KAZAKHSTAN—STEPPE FLORA

Phenological observations in steppe communities with the consideration of the morphology and biology of plants [with summary in English]. Z. G. Bespalova, I. V. Borisova. Bot. zhur. 48 no. 9:1271-1281 S '63.

KAZAKHSTAN—SUSLIKS—EXTERMINATION

Effectiveness of calcium and sodium cyanide mixture in controlling yellow suslika. A. K. Tolebaev. Trudy Kaz. NIIZR 7:452-458 '62.

KAZAKHSTAN—TECHNOLOGICAL INNOVATIONS

Painful problems. N. Ishmukhamedov. Nar. khoz. Kazakh. 21 no. 8:64-66 Ag '63.

KAZAKHSTAN—WASPS

Role of the digger wasp Tachysphex pompiliformis (Panz.) in reducing the number of the Athasar locust Dociostaurus kraussi Ingen. M. P. Mal'kovskii. Trudy Kaz. NIIZR 7 342-346 '62.

KAZAKHSTAN—WATER, UNDERGROUND

Prognostic maps of artesian and ground waters of Kazakhstan. U. M. Akhmedsafin. Vest. AN SSSR 33 no. 10:47-51 O '63.

KAZAKHSTAN—WATER RESOURCES DEVELOPMENT

Some urgent objectives of Kazakhstan water resources development. G. N. Petrov. Vest. AN Kazakh. SSR 18 no. 1:13-22 Ap '62.

KAZAKHSTAN—WHEAT

Optimal soil moisture and the yield of spring wheat in Western Siberia and the northern half of Kazakhstan. K. V. Kirillicheva. Meteor. i gidrol. no. 11:43-47 N '63.

KAZAKHSTAN—WHOLESALE TRADE

Several problems in improving the wholesale trade. L. Nasybulina. Nar. khoz. Kazakh. 21 no. 8:69-72 Ag '63.

KAZAKHSTAN—WOMEN AS TEACHERS

Girls will come back to their "aul." L. Kafanova. Ogonek 41 no. 38:14-15 S '63.

KAZAKHSTAN—WORMWOOD—DISEASES AND PESTS

Biology of the leaf beetle Theone silphoides, a pest of pasture plants. L. G. Serkova. Trudy Kaz. NIIZR 7 83-106 '62.

KAZAN—CLIMATOLOGY—RESEARCH

Meteorology and climatology at Kazan University in the last 150 years. V. M. Verkhunov, N. V. Kolobov. Ist. i metod. est. nauk no. 2 228-246 '63.

KAZAN—LEATHER INDUSTRY—FIRES AND FIRE PREVENTION

In a leather factory. P. Oreshin. Pozh. delo 8 no. 9:5 S '62.

KAZAN—METEOROLOGY—RESEARCH

Meteorology and climatology at Kazan University in the last 150 years. V. M. Verkhunov, N. V. Kolobov. Ist. i metod. est. nauk no. 2 228-246 '63.

KAZAN—MILITARY EDUCATION

Voluntary city committee at work. V. Chegodaev. Voen. znan. 39 no. 10:15-16 O '63.

KAZAN—POLIOMYELITIS—PREVENTIVE INOCULATION

Records of the city of Kazan on the epidemiologic effectiveness of active immunization of children with killed polio vaccine. A. N. Krepysheva, E. I. Popova. Kaz. med. zhur. no. 1:87-90 Ja-F '61.

KEDABEK DISTRICT—AZERBAIJANI LANGUAGE—DIALECTS

Results of a dialectologic expedition conducted by the Nizami Institute of Languages and Literature in the Kedabek and Dashkesan districts of the Azerbaijan S.S.R. [in Azerbaijani with summary in Russian]. M. Sh. Shiraliev. Trudy Inst. lit. i iaz. AN Azerb. SSR. 17:124-128 '63.

KEMEROVO—COKE INDUSTRY—HYGIENIC ASPECTS

This is how they achieve success. I. Sotodovnikov. Okhr. truda i sots. strakh. 6 no. 10:16-17 O '63.

KEMEROVO PROVINCE—LEPTOSPIROSIS

Water factor in the distribution of leptospirosis in the Kuznetsk Basin [with summary in English]. B. A. Zamotin, A. I. Vladimirova. Trudy TomNIIVS 12:61-64 '60.

KEMEROVO PROVINCE—SWINE—FEEDING AND FEEDS

Practice in swine fattening. S. S. Petlaev. Dokl. i soob. VNIESKH no. 15:41-45 '63.

KEMEROVO PROVINCE—TICKS AS CARRIERS OF DISEASE

Natural tularemia foci in Kemerovo Province [with summary in English]. A. I. Kuzina, L. S. Mukharova. Trudy TomNIIVS 12:43-47 '60.

KEMEROVO PROVINCE—TULAREMIA

Importance of the water factor in the distribution of tularemia in Kemerovo Province [with summary in English]. A. I. Kuzina. Trudy TomNIIVS 12:53-58 '60.

Natural tularemia foci in Kemerovo Province [with summary in English]. A. I. Kuzina, L. S. Mukharova. Trudy TomNIIVS 12:43-47 '60.

KEMEROVO PROVINCE—WATER—POLLUTION

Water factor in the distribution of leptospirosis in the Kuznetsk Basin [with summary in English]. B. A. Zamotin, A. I. Vladimirova. Trudy TomNIIVS 12:61-64 '60.

KEMEROVO PROVINCE—WATER VOLES AS CARRIERS OF DISEASE

Importance of the water factor in the distribution of tularemia in Kemerovo Province [with summary in English]. A. I. Kuzina. Trudy TomNIIVS 12:53-58 '60.

Natural tularemia foci in Kemerovo Province [with summary in English]. A. I. Kuzina, L. S. Mukharova. Trudy TomNIIVS 12:43-47 '60.

KENYA—POLITICS AND GOVERNMENT

What Kenya wants. IU. Aizman. Nov. vrem. 21 no. 13:12-13 O '63.

KERAMZIT

New equipment for preparing keramzit granules. N. I. Sokolov. Stroi. mat. 9 no. 10:35 O '63.

Obtaining keramzit sand by crushing gravel in S-590 and S-379 crushers. V. P. Lebedev. Stroi. mat. 9 no. 7:8 Jl '63.

Production of keramzit with a wet preparation of raw materials. L. E. Protas. Stroi. mat. 9 no. 10:30-34 O '63.

KERATIN

Some regularities in the utilization of the sulfur of organic and inorganic compounds in the formation of wool keratin in sheep. A. L. Paducheva, V. S. Lekarev. Trudy VIZH 24 366-385 '62.

KERATOPHYRE

Linear paragenesses of the main rock-forming elements of rocks in spilite-keratophyre formations. IU. V. Podol'skii. Dokl. AN SSSR 152 no. 4:975-978 O '63.

KERCH PENINSULA—IRON ORES

Composition of arsenic compounds in Kerch ores. V. V. Gusev. Dokl. AN SSSR 152 no. 2:426-429 S '63.

KERCH PENINSULA—ORE DRESSING

Technology of dressing Kerch tobacco-colored ores. IA. I. Tomin. Gor. zhur. no. 10:76-77 O '63.

KERCH PENINSULA—SCULPTURE, GRECO-ROMAN

A plaster portrait from Kerch. G. I. Sokolov. Sov. arkheol. 7 no. 3:222-224 '63.

KERCH STRAIT—GREEN TURTLE

Green turtle in Kerch Strait. N. F. Taranenko. Priroda 52 no. 9:115-116 '63.

KEROSENE

Using kerosene and its mixtures with motor fuel for the VPT-400 air preheater. G. A. Rovnyi. Trakt. i sel'khozmash. 33 no. 7:31-32 Jl '63.

KETONES

Catalytic synthesis of aldehydes and ketones. Part 8: Synthesis of methyl ethyl, methyl propyl, and methyl phenyl ketones. I. P. Akovlev. Zhur. ob. khim. 33 no. 8:2640-2645 Ag '63.

Chemistry of selenophene. Part 47: Synthesis and alkylation of β-diketones of the selenophene series. IU. K. IUriev, N. N. Magdesieva, V. P. Bryanova. Zhur. ob. khim. 33 no. 8:2578-2581 Ag '63.

Determination of the acid dissociation constants of β-diketones of the selenophene series. I. P. Efimov and others. Vest. Mosk. un. Ser. 2. Khim. 18 no. 5:49-53 S-O '63.

Oxides of some higher alkylidene acetones. I. G. Tishchenko, O. N. Bubel', I. P. Zlatkov. Zhur. ob. khim. 33 no. 8:2613-2617 Ag '63.

Study of zirconium and hafnium complex formation with β-diketones by the partition method. V. M. Peshkova, N. V. Mel'chakova, Pen An. Trudy Kom. anal. khim. 14:172-182 '63.

Synthesis and study of 1-[p-(β-diethylaminoethoxyphenyl)-p-tolyl-2-p-chlorophenyl] ethanol. L. S. Zonis, A. M. Khaletskii, V. G. Posin. Zhur. ob. khim. 33 no. 10:3141-3142 O '63.

Synthesis of some α,β-unsaturated aromatic ketones and their vinyl analogs. V. F. Lavrushin, V. P. Dziuba. Zhur. ob. khim. 33 no. 8:2581-2585 Ag '63.

Thermal effects of the reaction of methyl- and ethyl magnesium bromide with some ketones. A. V. Tuulmets, E. O. Parts, L. R. Ploom. Zhur. ob. khim. 33 no. 10:3124-3126 O '63.

KETONES—ANALYSIS

Composition of high-molecular carbonyl compounds (ketones) obtained by the synthesis from CO and H_2 on an iron-copper catalyst. I. B. Rapoport, M. F. Ulanova. Neftekhimiia 1 no. 3:392-396 My-Je '61.

KHABAROVSK TERRITORY—RADIO JOURNALISM

If you don't go forward you will be behind. A. Bogomolov. Sov. radio i tel. 11 no. 8:13-14 Je '63.

KHABAROVSK TERRITORY—RAIN AND RAINFALL

Downpours and initial parameters for calculating torrential flow in Khabarovsk Territory and Amur Province. L. D. Koshkareva. Sbor. nauch. rab. DVNIIS no. 1:217-244 '61.

KHACHATURIAN, ARAM IL'ICH, 1904-

Shneerson, G. Aram Khachaturian. Moskva, Sovetskii kompozitor, 1960. 42 p. (V pomoshch' slushateliam narodnykh universitetov kul'tury. Besedy o muzyke) (TxFTC)

KHAKANI 1166 (ca.)—1199?

Rzaklulle de, S D [Sociopolitical, and philosophical views of Khakani Shirvani] Obshchestvenno-politicheskie i filosofskie vzgliady Khakani Shirvani. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 110 p. (MIRA 16:1)

KHAMZA, KHAKIM-ZADE NIAZI, 1889-1929

Batyl, Sabit. Khamza Khakim-zade Niazi. V Bibliografiia. Uch. zap. Tash. teatr. -khud. inst. no. 5:185-192. '62.

Production of Khamza's plays on the Russian stage. IA. S. Fel'dman. Uch. zap. Tash. teatr. -khud. inst. no. 5:111-141. '62.

Tips to rehabilitate Aunt Masara, remarks of a stage-director. Kn. M. Koshkarbaev. Uch. zap. Tash. teatr. -khud. inst. no. 5:173-182. '62.

KHANKA, LAKE—CHINESE KNIFE FISH

Ecological characteristics of Hemiculter leucisculus from Lake Khanka. I. V. Pisarevskii. Izv. TINRO 46:247-250. '60. (MIRA 14:4)

KHARKOV—BEARING INDUSTRY

Among the paths of their fathers. V. Slonov. Okhr. truda i tekh. strakh. v prom. no. 10:15. O '63.

KHARKOV—CONFECTIONERY

Use of IFS machines for the manufacture of soft "Iris" candy. I. K. Dobrovolda. Khleb. i kond. prom. 6 no. 1:31-33. Ja '62.

KHARKOV—DISTRIBUTIVE EDUCATION

Improvement of the qualifications. L. Mints, V. Shevchenko. Sov. torg. 36 no. 5:44-45. My '63.

KHARKOV—STEAM TURBINES

In a mill of giants. I. Vladimirov. Znan.-sila 38 no. 3:16-22. Mr '63.

Talk with a visitor. I. Shalenko-Shubin. Znan.-sila 38 no. 5:23. My '63.

KHARKOV—TEACHERS, TRAINING OF

Pedagogical lectures as a form of the dissemination of progressive practices. V. Korolenko. Doshk. vykh. 24 no. 10:15-17. O '63.

KHARKOV PROVINCE—AUDITING AND INSPECTION

People's control in operation. I. Krupka. Agitator no. 16:19-22. Ag '63.

KHARKOV PROVINCE—EFFICIENCY, INDUSTRIAL

A "council of innovators". V. Drokin, V. Kharchenko. Komm. Ukr. 36 no. 10:81-82. O '63.

KHARKOV PROVINCE—FISH INTRODUCTION

Acclimatization of coregonid fishes in the bodies of water of Kharkov Province. G. L. Shkorbatov. Trudy Gidrobiol. ob-va 13:242-254. '63.

KHARKOV PROVINCE—WHITEFISHES

Acclimatization of coregonid fishes in the bodies of water of Kharkov Province. G. L. Shkorbatov. Trudy Gidrobiol. ob-va 13:242-254. '63.

KHATANGA VALLEY—PALYNOLOGY

Correlation of the key sections of Permian oil-bearing sediments in the Lena-Khatanga trough based on palynological data. A. F. Dibner. Sbor. st. po paleont. i biostrat. no. 32:5-23. '63.

KHAZARS

"History of the Khazars" by M. I. Artamonov. Reviewed by S. A. Pletneva. Sov. arkheol. 7 no. 3:279-283. '63.

KHERSON—COTTON MANUFACTURE

Kherson Cotton Combine. S. P. Salyhin. Leh. prom. no. 3:57-58. Jl-S '63.

KHERSON—TEACHERS, TRAINING OF

Work of a methodological study room on the study and dissemination of progressive educational practices. N. Lavrychenko. Doshk. vykh. 24 no. 10:10-15. O '63.

KHEYSA ISLAND—IONOSPHERIC RESEARCH

Akademiia nauk SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. [Kheysa Island] Ostrov Kheisa. Moskva. (Its Materialy issledovanii)

Sept. - Oct. 1958. 1962. 31 p.
Nov. - Dec. 1958. 1962. 27 p.
Mar. - Apr. 1959. 1962. 33 p.
May - June 1959. 1962. 31 p.
Aug. - Sept. 1959. 1962. 39 p.

KHIBINY MOUNTAINS—LICHENS

Distribution of bushy and foliose lichens among the basic types of vegetation in the Khibiny Mountains [with summary in English]. A. V. Dombrovskaia. Bot. zhur. 48 no. 9:1321-1331. S '63.

KHINGAN MOUNTAINS—GRANITE

Some problems of the geology and petrology of granitoids in the Greater Khingan Mountains (North China) [with summary in English]. A. A. Prilatkin. Vest. LGU 18 no. 18:57-67. '63.

KHIVA OASIS—COTTON BREEDING

Improvement of land drainage and prospects for the development of cotton growing in the Khorezm Oasis. I. Umarov. Izv. AN Azerb. SSR, Ser. geol.-geog. nauk i nefti no. 3:105-115. '63.

KHIVA OASIS—DRAINAGE

Improvement of land drainage and prospects for the development of cotton growing in the Khorezm Oasis. E. Umarov. Izv. AN Azerb. SSR Ser. geol.-geog. nauk i nefti no. 3:105-115. '63.

KHMEL'NIK DISTRICT—BOOKSELLERS AND BOOKSELLING

The greater the knowledge, the firmer the step. Sov. kniga torg. 15 no. 10:15-16. O '63.

KHMER LANGUAGE—VERB

Gorgoniev, IU. A. [Category of the verb in modern Khmer] Kategoriia glagola v sovremennom khmerskom iazyke. Moskva, Izd-vo vostochnoi lit-ry, 1963. 129 p.

KHODOSOV, KARP OSTAPOVYCH

Man for the people. Oleksandr Teslia. Ukr. mova i lit. v shkoli 13 no. 1:68-72. Mr '63.

KHODZHAEV, ALIM

Alim Khodzhaev, an etude for a monograph. IA. S. Fel'dman. Uch. zap. Tash. teatr. -khud. inst. no. 5:107-131. '62.

KHOREZM OASIS see Khiva Oasis

KHORUZHAIA, VERA ZAKHAROVNA, 1903-1942

Courage hardened in struggle. IU. Repin. Semlia i shkola 18 no. 10:36. O '63.

KHRENNIKOV, TIKHON NIKOLAEVICH, 1913-

Reitershtein, M. I. [Violin concerto by T. N. Khrennikov, an analysis] Skripichnyi kontsert T. N. Khrennikova, poiasnenie. Moskva, Sovetskii kompozitor, 1962. 18 p. (MIRA)

KHRUSHCHEV, NIKITA SERGEEVICH, 1894-

Party guidance ensures the great achievements of Soviet literature and art. N. IUrchuk. Komm. Ukr. 39 no. 9:43-50. S '63.

The road to prosperity; on the 10th anniversary of the September Plenum of the Central Committee of the CPSU. N. Zakolupin. Agitator no. 16:12-15. Ag '63.

KHYMYCH, OLENA PYLYPIVNA

Measure of human happiness. Hryhorii Lytvynenko. Ukr. mova i lit. v shkoli 13 no. 7:68-72. S '63.

KIDNEY BEAN

Effect of gibberellic acid on kidney beans treated with nitragin. V. P. Izrail'skii, A. S. Ryzhkova, L. I. Rozanova. Trudy Inst. mikrobiol. no. 11:327-334. '61.

KIDNEYS—BLOOD SUPPLY

Shunting of the renal circulation in hemorrhage; an experimental study. G. V. Kovalevskii. Arkh. pat. no. 2:24-33. '63.

KIDNEYS—CANCER

Malignant renal tumors in children. L. G. Safina. Kaz. med. zhur. no. 1:39-42. Ja-F '61.

KIDNEYS—DISEASES

Cases of detecting some kidney lesions in cattle and swine during sanitation control. A. A. Rud' and others. Sbor. stud. rab. MTIMMP no. 7:51-54. '62.

Changes in the kidneys following the action of diethyl mercury. N. V. Meshkov, I. I. Glezer, P. V. Panov. Arkh. pat. no. 2:53-59. '63.

Effect of reserpine on the course of nephritis and on renal function during the disease. T. V. Bugoslavskaia, G. M. Prikhod'ko, M. I. Manuilova. Kaz. med. zhur. no. 1:20-22. Ja-F '61.

Hemorrhagic fever with renal syndrome in districts of the Kama Valley of the Tatar S.S.R. A. A. Ivanov. Kaz. med. zhur. no. 1:63-64. Ja-F '61.

[Multivolume manual on internal diseases] Mnogotomnoe rukovodstvo po vnutrennim boleznlam. Moskva, Medgiz.

Vol. 9 [Diseases of the kidneys] Bolezni pochek. Red. toma E. M. Tareev. 1963. 383 p. (DNLM)

Pathogenesis of amyloid nephrosis in the light of experimental data. V. V. Serov. Arkh. pat. no. 2:33-46. '63.

Pathology of the kidneys in tuberculosis; autopsy findings. V. I. Braude. Arkh. pat. no. 2:47-53. '63.

Problems of renal pathology at the Twelfth All-Union Therapeutic Conference held at Erivan on October 5-7, 1960. V. Zaitsev. Kaz. med. zhur. no. 1:98-99. Ja-F '61.

Renin and the juxtaglomerular apparatus in experimental nephritis. A. M. Vikhert, IU. A. Serebrovskaia, IU. G. Tiniakov. Arkh. pat. no. 2:17-24. '63.

KIEV—ALBEDO

Some characteristics of diurnal and annual variations of the radiation balance of underlying surface and its components. N. I. Goisa. Trudy UkrNIGMI no. 31:60-81. '62.

KIEV—BALLET

Another life. IU. Stanichevskyi. Myst. bayan 10 [illegible] 23-24 Jl-Ag '63.

KIEV—CONSTRUCTION INDUSTRY

In Kiev. Stroitel' 9 no. 10:18-19. O '63.

KIEV—EFFICIENCY, INDUSTRIAL

The beauty of work. Mykola Romanika. Ukr. [illegible] 10 N '61.

KIEV—KNIT GOODS INDUSTRY

"Raya Lukomnaya" Knit Goods Factory in Kiev. [illegible] Streletskyi and others. Leh. prom. no. [illegible] '63.

KIEV—RAILROADS—ELECTRIC EQUIPMENT

How the Communists struggle for the communist [illegible] thrifty management of their industrial plant. [illegible] torov. Komm. Ukr. 19 no. 9:80-84. S '63.

KIEV—SHOEMAKERS

Begin with the small. V. Zavadskii. Sov. [illegible] 19 no. 17:22-23. S '63.

KIEV—SILK MANUFACTURE

Fabrics manufactured by the Darnitsa Silk Combine. N. S. Hrytsenko. Leh. prom. no. 4:11-66. Jl-[illegible]

KIEV—SOCCER

From silver to gold. O. Lukianenko. Ukr. [illegible] 28-29 N '61.

KIEV—SOLAR RADIATION

Some characteristics of diurnal and annual variations of the radiation balance of underlying surface and its components. N. I. Goisa. Trudy UkrNIGMI [illegible] 81 '62.

KIEV—STUDENTS, FOREIGN

"We, the students of various continents." [illegible] no. 10:8-11. '63.

KIEV—SUBWAYS

He who moves the mountains. Viktor Tsukanov. Ukraina no. 13:7-8. Je '61.

KIEV—TELEVISION BROADCASTING

For you, things which the viewer cannot see. V. Shtanov. Ukraina no. 21:18-19. N '61.

KIEV—TRAWLS AND TRAWLING

Seeds fell on fruitful soil. S. Strashnyi, IA. Lifshits. [illegible] tator no. 18:9-10. S '63.

KIEV—VEGETABLES—STORAGE

Reconstruction and building of vegetable [illegible] S. Malnichenko, P. Mironova. Sov. torg. [illegible] Ag '63.

KIEV—WORLD WAR, 1939-1945

Heroic city. V. Gzhel'skii. Sov. voin. 15 no. 20:14-17. O '61.

KIEV, BATTLE OF, 1943

Exploit on the Dnieper. A. G. Kravchenko. [illegible] no. 20:13-15. O '63.

Military calendar. Voen. znan. 39 no. 10:40. O '63.

KIEV PROVINCE—FRUIT TRADE

No, they are not taken into consideration! D. Prikazchikov, donnyi, A. Grigor'ev. Ogonek 41 no. 37:12-13. S '63.

KIEV PROVINCE—HOTELS, TAVERNS, ETC.

The boarding house "Dnepr." I. Tukalevskii. Avtom. SSSR no. 8:60-62. '63.

KIEV PROVINCE—PARASITES—BIRDS

Characteristics of the distribution of blood parasites of birds with regard to the ecology of the hosts. V. S. Illushchenko. Zbir. prats Zool. muz. AN URSR [illegible] 57-63. '63.

KIEV PROVINCE—VEGETABLE TRADE

No, they are not taken into consideration! D. Prikazchikov, donnyi, A. Grigor'ev. Ogonek 41 no. 37:12-13. S '63.

KIEV REGION—APPLE

Effect of the shortening of branches by pruning on the physiological processes and fruiting of apple. G. I. Mesheheriakov. Nauch. trudy Ukr. nauch. -issl. [illegible] no. 40:222-239. '62.

KILINGI-NÕMME—STORES, RETAIL

After the reconstruction. A. Kravtsova. Sov. potrebk. koop. 7 no. 11:32. N '63.

KILNS

Joint thermal operation of ovens and kilns for tiles. A. A. Toporkova. Stroi. mat. 9 no. 7:23. Jl '63.

Operating tunnel kilns on natural gas. M. E. Solov'eva, I. F. Solov'ev. Ogneupory 28 no. 10:445-449. '63.

KILNS, ROTARY

Development of dimensional series rotary kilns. IU. I. Deshko. TSement 29 no. 1:20-21 Ja-Ag '63.

Durability of lining of rotary kilns in 1962. N. V. Il'ina and others. TSement 29 no. 5 9-11 S-O '63.

Experiment in reconstructing rotary kilns. A. A. Zolotopup. TSement 29 no. 5 16-17 S-O '63.

Information and brief news. TSement 29 no. 4:22-23 Ja-Ag '63.

KINDERGARTEN

(see also subdivision under Hungary)

Alenushka's fairy tales. I. Shashkova. Doshk. vosp. 36 no 10 38-40 O '63

Great heart. G. Shlykova. Doshk. vosp. 36 no. 10.83-85 O '63.

Some hygienic problems in the planning of joint (nursery - kindergarten) children's institutions. E. T. Smirnova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no 2 56-68 '59

We are working on the "Kindergarten training program." M. Dziuba. Dosh. vosp. 36 no. 10.4-6 O '63.

KINDERGARTEN—MUSIC

Work of the methods association of music teachers, P. Khaimovych. Doshk. vykh. 21 no. 10;43-46 O '63.

KINDERGARTENS

Korol', I. G., and V. P. Svitko. [Kindergartens and day nurseries, their design and construction] Dytiachi sadky ta iasla dlia sela, proektuvannia i budivnytstvo. Kyiv, Derzhbudvydav URSR, 1961. 74 p. (Sil'skomu budivnytstvu)

Some data on the ionization component of air in kindergartens. Z. A. Pluzhnikova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no 2 69-70 '59

Use of different kinds of lighting in kindergartens. E. M. Demina. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no 2 71-74 '59.

KINEMATICS

Bubelev, E. G. [Conformal mapping of a Lobachevskii plane on a Euclidean strip and its application to the kinematics of relativistic particles] Primenenie konformnogo otobrazhenia ploskosti Lobachevskogo na evklidovu polosu k kinematike relativistskikh chastits. Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1963. 30 p., fold. diagrs. [Summary in English in insert]

KINEMATICS OF MACHINERY see Machinery, Kinematics of

KINETIN

Reduction of the protein-nucleic acid metabolism in severed leaves during their virescence under the influence of kinetin. O. N. Kulaeva and others. Dokl. AN SSSR 152 no. 6;1475-1478 O '63.

KIRCHANOV, ALEKSANDR NIKOLAEVICH, 1919-

Onufrieva, S. A. Aleksandr Nikolaevich Kirchanov, Kemerovo, Leningrad, Khudozhnik RSFSR, 1962. 28 p. illus. (Khudozhniki rossiiskoi federatsii)

KIRGHIZ ALATAU—GLACIERS

Number of ancient glaciers in the Kirghiz and Kungey Ala-Tau. E. V. Maksimov, V. N. Okhotnikov. Dokl. AN SSSR 152 no. 4;956-959 O '63.

KIRGHIZISTAN—ANNUALS (PLANTS)

Sultanova, R. M. [A guide to annual direct-seeded flowering plants] Opredelitel' odnoletnikh gruntovykh tsvetochnykh rastenii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 59 p.

KIRGHIZISTAN—ANTIQUITIES

Mysteries of the Kirghiz burial mounds. R. Nikolaev. Ogonek 41 no. 33 17 Ag '63.

KIRGHIZISTAN—COAL MINES AND MINING

Improving systems for developing mining areas in lit-par-lit working of thick coal seams in Kirghiz mines. I. N. Prokopenko. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 1;35-46 '63.

KIRGHIZISTAN—DAMS

Filtration of rock-fill dams on the Shamsi and Alamedin Rivers. L. S. Grebennikov, E. V. Kostiuchenko. Izv. AN Kir. SSR, Ser. est. i tekh. nauk 5 no. 3;103-114 '63.

Influence of the rise of ground water on filtration through a rock-fill dam. L. S. Grebennikov. Izv. AN Kir. SSR, Ser. est. i tekh. nauk 5 no. 3;115-118 '63.

KIRGHIZISTAN—DAMS—DESIGN AND CONSTRUCTION

Experiment with filtering rock-fill dams in Kirghizistan. K. F. Artamonov and others. Izv. AN Kir. SSR, Ser. est. i tekh. nauk 5 no. 3;79-101 '63.

KIRGHIZISTAN—ECONOMIC CONDITIONS

Akademiia nauk Kirgizskoi SSR, Frunze, Otdelenie obshchestvennykh nauk [Materials on the history and economic conditions of Kirghizia] Materialy po istorii i ekonomike Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 148 p.

A remarkable event in the history of the Kirghiz people. D. Umetov. Komm. Uz. 35 no. 10·88-93 O '63.

KIRGHIZISTAN—EMBANKMENTS

Regulating rock-fill installations. K. F. Artamonov, B. L. Vysochinskii. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 3,129-139 '63.

KIRGHIZISTAN—FERTILIZER INDUSTRY

Humic fertilizers produced from Kirghiz coals. V. I. Ivanov. Vest. AN SSSR 33 no 10 52-53 O '63.

KIRGHIZISTAN—FOUNDING—TECHNOLOGICAL INNOVATIONS

Always with the collective. F. Kozlov. Nar. khoz. Uzb. 5 no. 7·52-53 Jl '63.

KIRGHIZISTAN—HISTORY

Akademiia nauk Kirgizskoi SSR, Frunze. Otdelenie obshchestvennykh nauk [Materials on the history and economic conditions of Kirghizia] Materialy po istorii i ekonomike Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 148 p.

A remarkable event in the history of the Kirghiz people. D. Umetov. Komm. Uz. 35 no. 10·88-93 O '63.

KIRGHIZISTAN—HYDRAULIC ENGINEERING

Brief information about some natural fill in the mountain rivers of Kirghizistan. E. V. Kostiuchenko, A. N. Kroshkin. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no 3·119-128 '63.

Problem of the transportation capacity of rivers in mountain and piedmont regions. V. F. Talmaza. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no 3·27-51 '63

Some problems of the morphometry of mountain rivers of Kirghizistan. A. N. Kroshkin. Izv. AN Kir. SSR Ser. est. i tekh. nauk 5 no. 3;13-26 '63.

KIRGHIZISTAN—HYDRAULIC LABORATORIES

Hydraulic engineering laboratory of the Institute of Power and Water Management of the Academy of Sciences of the Kirghizistan S. S. R. K. F. Artamonov. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 3;5-11 '63

KIRGHIZISTAN—INTAKES (HYDRAULIC ENGINEERING)

Improved gratings of water intakes. K. F. Artamonov, M. S. Ramazan, S. S. Satarkulov. Izv. AN Kir. SSR Ser. est. i tekh. nauk 5 no. 3;71-77 '63.

Selection of the angle of offtake in dameless water intake. S. S. Satarkulov. Izv. AN Kir. SSR Ser. est. i tekh. nauk 5 no. 3;141-146 '63.

Using a water intake with a surface water retaining culvert. M. S. Ramazan. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 3;147-157 '63

KIRGHIZISTAN—RIVERS

Some problems of the morphometry of mountain rivers of Kirghizistan. A. N. Kroshkin. Izv. AN Kir. SSR Ser. est. i tekh. nauk 5 no. 3;13-26 '63.

KIROV—ORTHOPEDIC APPARATUS INDUSTRY

We improve technical and economic indices. G. Nazarova. Sots. obesp. 24 no. 8 42-43 Ag '63

KIROV—REVOLUTION, 1917-1921

Exploit of Vyatka Komsomols. Voen. znan. 39 no. 10·8 O '63.

KIROV PROVINCE—EDUCATION, COOPERATIVE

Experimental training workshop. B. A. Kozlovskii. Shkola i proizv. 7 no. 10·10-12 O '63.

Industrial training in Kirov Province. IU. M. Golovnin. Shkola i proizv. 7 no. 10 15-16 O '63.

Public methodological committee. V. F. Novoselov. Shkola i proizv. 7 no. 10·12-14 O '63.

KIRSANOV DISTRICT—STATE FARMS—MANAGEMENT

Help on the spot is the best training. K. Makhova. Sov. profsoiuzy 19 no. 17·16-17 S '63.

KIRSANOV DISTRICT—TRADE UNIONS—OFFICERS

Help on the spot is the best training. K. Makhova. Sov. profsoiuzy 19 no. 17 16-17 S '63.

KIRSHON, VLADIMIR MIKHAILOVICH, 1902-1937

Kirshon, V. M. [Articles and speeches on drama, theater, and motion pictures. V. M. Kirshon's plays on the stage. Reminiscences about V. M. Kirshon] Stat'i i rechi o dramaturgii, teatre i kino. P'esy V. M. Kirshona na stsene. Vospominaniia o V. M. Kirshone. Pod obshchei red. komissii po literaturnomu nasledstvu V. M. Kirshona, A. V. Karaganov i dr. Moskva, Iskusstvo, 1962. 293 p. (NIC)

KISHINEV—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Voluntary participation in the work of party committees. A. Galashkov. Komm. Mold. 8 no. 8;17-19 Ag '63.

KISHINEV—HOSPITALS—OUTPATIENT SERVICES

Outpatient mortality in Kishinev in 1961, selective study. I. F. Chebaniuk. Zdravookhranenie 6 no. 3 5-8 My-Je '63.

KISHINEV—MACHINERY INDUSTRY

Here we see the bright lights of creative work. K. Makarchuk, A. Sharandak. Komm. Mold. 8 no. 8;69-71 Ag '63.

KISHINEV—MORTALITY

Outpatient mortality in Kishinev in 1961, selective study. I. F. Chebaniuk. Zdravookhranenie 6 no 3 5-8 My-Je '63

KISHINEV—TRAUMATISM

Nonoccupational injuries in adults according to data of the Kishinev Emergency Hospital. G. M. Kripa. Zdravookhranenie 6 no 3 12-11 My-Je '63

KISLOVODSK—BAKERIES

Reorganization of the Kislovodsk Bakery and Macaroni Combine. Pozin, Khleb. i kond. prom. 7 no. 10 23-24 O '63.

KISLOVODSK REGION—ALANI ANTIQUITIES

Catacomb burial grounds in the Kislovodsk region. A. P. Rumch. Sov. arkheol. 7 no 3 211-214 '61

KISLOVODSK REGION—CELESTITE

Celestite in Tithonian sediments of the Kislovodsk region. E. K. Podporina. Trudy IMGRE no. 7;118-122 '61.

KITSMAN' DISTRICT—REPATRIATION

Wind from the Prut. Valentyn Volivach. Ukraina no. 13 18-19 Je '61.

KIZEL BASIN—EXPLOSIVES—TESTING

Testing "detonit" explosives in drifting in hard rocks. S. A. Petrov, V. G. Zil'berschmidt. Shakht. stroi. 7 no. 8 10-11 Ag '63.

KLICHKA REGION—LEAD ORES

Lead-zinc deposits in the Klichka ore region. V. V. Arkhangel'skaia. Trudy IGEM no. 83 91-140 '63.

KLICHKA REGION—ORE DEPOSITS

Geology and composition of ores of the Savinskoye No. 5 deposit. G. M. Lobanova, B. P. Sanin. Trudy IGEM no. 83,141-160 '63

KLICHKA REGION—ZINC ORES

Lead-zinc deposits in the Klichka ore region. V. V. Arkhangel'skaia. Trudy IGEM no. 83 94-140 '63.

KLIUCHEVSKII, VASILII OSIPOVICH, 1841-1911

V. O. Kliuchevskii on Russian writers. E. G. Chumachenko. Vop. arkh. 8 no. 2 99-101 Ap-Je '63.

KLIUEV, GRIGORII NIKOLAEVICH, 1902-1963

Grigorii Nikolaevich Kliuev, obituary. Standartizatsiia 27 no. 10,51 O '63.

KLOPSTOCK, FRIEDRICH GOTTLIEB, 1724-1803

F. G. Klopstock's "The Messiah" [in Georgian with summary in Russian]. O. G. Dzhinoriia. Trudy Tbil. GU 101 183-206 '62

KNEE—WOUNDS AND INJURIES

Injury of the knee joint meniscoi and their treatment. O. Sh. Bunchidze. Trudy mol. nauch. sotr. MONIKI no. 1·5-11 '59.

KNIT GOODS—TESTING

Wear test of knit goods. Z. A. Tolkunova. Standartizatsiia 27 no. 10 31-34 O '63.

KNIT GOODS INDUSTRY

(see also subdivision under Gomel', Kiev, Moscow)

Lipkov, I. A. [Technology of the manufacture of knit goods] Tekhnologiia trikotazhnogo proizvodstva. Izd. 2, perer. i dop. Moskva, Gizlegprom, 1963. 450 p.

KNIT GOODS INDUSTRY—QUALITY CONTROL see subdivision under Chernovtsy

KNITTING MACHINES

Lipkov, I. A. [Technology of the manufacture of knit goods] Tekhnologiia trikotazhnogo proizvodstva. Izd. 2., perer. i dop. Moskva, Gizlegprom, 1963. 450 p.

KNOWLEDGE, THEORY OF

Kopnin, P. V. [Hypothesis and the knowledge of reality] Gipoteza i poznanie deistvitel'nosti. Kiev, Gos. izd-vo polit. lit-ry, 1962. 179 p. (InU)

KODOR RANGE—HORNBEAM, FOSSIL

Hornbeams of the Pliocene flora of the Kodor Range. N. K. Ratiani. Trudy Sukh. bot. sada no. 14,103-112 '62.

KOKORIN, ANATOLII VLADIMIROVICH

Through a painter's eyes. E. Butorina. Znan.-sila 38 no. 5.56 My '63.

KOLA PENINSULA—CONGLOMERATE

Pre-Cambrian conglomerates of the Kola Peninsula. O. I. Luneva. Dokl. AN SSSR 152 no 4;953-955 O '63.

KOLA PENINSULA—MINERAL INDUSTRIES

Developing and distributing the mining and processing industries on the bases of Kola mineral resources. M. K. Mazurov. Probl. Sev. no. 5 56-67 '63.

KOLA PENINSULA—RAMSAYITE

Low-temperature ramsayite. F. I. Semenov, I. P. Tikhonenkov. Trudy IMGRE no. 7:91-95 '61.

KOLA PENINSULA—ROCKS, IGNEOUS

Accessory minerals of ultrabasic and alkali rocks in some massifs of the Kola Peninsula. B. P. Zolotarev. Trudy IMGRE no. 15:3-19 '63.

KOLA PENINSULA—TRACE ELEMENTS

Accessory minerals of ultrabasic and alkali rocks in some massifs of the Kola Peninsula. B. P. Zolotarev. Trudy IMGRE no. 15:3-19 '63.

KOL'CHUGINO (VLADIMIR PROVINCE)—ELECTRIC INDUSTRIES—HYGIENIC ASPECTS

Pledge is fulfilled. V. Kuz'mina. Okhr. truda i sots. strakh. 6 no. 11 9 N '63.

KOLKHIDA LOWLAND—DRAINAGE

Calculation methods of the modulus of flow in drainage systems of the Kolkhida Lowland. G. T. Rostomov. Trudy Tbil. NIGMI no. 10:162-193 '62.

KOLKHOZES see Collective farms

KOLLAR, JAN, 1793-1852

Jan Kollar and Russian-Czech literary ties in the first half of the 19th century. A. A. Zaitseva. Lit. slav. sat. 8 99-141 '63.

KOLOMNA—ARCHITECTURE

Fekhner, M. V. Kolomna. Moskva, Gosstroiizdat, 1963. 141 p. (Arkhitektura gorodov SSSR)

KOLOMNA—DIESEL LOCOMOTIVES

[In the main direction] Na glavnom napravlenii. [By] A. N. Dudko i dr. [Moskva] Moskovskii rabochii, 1963. 164 p.

KOLOMNA—LOCOMOTIVE WORKS

Youth of a hundred-year-old giant. Okhr. truda i sots. strakh. 6 no. 10 10-11 O '63.

KOLOMNA—MACHINERY INDUSTRY

Kolomna plant centennial. O. Knoiring. Ogonek 11 no. 38.2-3 S '63.

KOLYMA VALLEY—BRACHIOPODA, FOSSIL

Brachiopods of Lower Carboniferous sediments in the Kolyma Valley. M. G. Mironova. Sbor. st. po paleont. i biostrat. no. 31:5-51 '63.

KOMI A.S.S.R.—ELECTION LAW

Komi A.S.S.R. Laws, statutes, etc. [Statute on elections to the Supreme Soviet of the Komi A.S.S.R., adopted by decree of the Presidium of the Supreme Soviet of the Komi A.S.S.R., December 12, 1950 With amendments and supplements introduced by decrees of the Presidium of the Supreme Soviet of the Komi A.S.S.R., December 10, 1954, January 3, 1959, and January 11, 1963] Polozhenie o vyborakh v Verkhovnyi Sovet Komi ASSR, utverzhdeno Ukazom Prezidiuma Verkhovnogo Soveta Komi ASSR ot 12 dekabria 1950 g. S izmeneniiami i dopolneniiami vnesennymi Ukazom Prezidiuma Verkhovnogo Soveta Komi ASSR ot 10 dekabria 1954 goda, 3 ianvaria 1959 goda i 11 ianvaria 1963 goda. Syktyvkar, Komi knizhnoe izd-vo, 1963. 18 p.

[MICROFILM]

KOMI A.S.S.R.—POTATOES

Potentials for increasing potato production in the Komi A.S.S.R. V. Berezin. Ekon. sel'khoz. 34 no. 10:79-82 O '63.

KOMODO ISLAND—LIZARDS

Dragon from Komodo Island. E. A. Maleev. Ucn. nat. no. 2:8-10 F '63.

KONENKOV, SERGEI TIMOFEEVICH, 1874-

Kravchenko, K. Sergei Timofeevich Konenkov. Moskva, Iskusstvo, 1962. 163 p. plates.
(NN)

KONOVALOV, VIKTOR IAKOVLEVICH, 1909-

Demosfenova, G. L. Viktor IAkovlevich Konovalov. Moskva, Sovetskii khudozhnik, 1962. 90 p.
(MH)

KONSTANTINOV, OLEG ARKAD'EVICH, 1903-

O. A. Konstantinov's 60th birthday. Vest. LGU 18 no. 18: 176 '63.

Professor O. A. Konstantinov's 60th birthday. N. N. Baranskii and others. Vest. Mosk. un. Ser. 5: Geog. 18 no. 5:81-82 S-O '63.

KONSTANTINOVICH, NIKOLAI VLADIMIROVICH, 1902-

Nikolai Vladimirovich Konstantinovich. Arkh. pat. no. 2: 94-95 '63.

KOPYLOV, MIKHAIL VASIL'EVICH, 1904-1962

In memory of Mikhail Vasil'evich Kopylov. V. IAbrova-Kolakovskaia. Trudy Sukh. bot. sada no. 14:125-126 '62.

KOREA—HISTORY—SOURCES

Source materials of Moscow and Leningrad archives as a source for the Korean history of the 19th century. G. D. Tiagai. Krat. soob. Inst. nar. Az no. 64:115-124 '63.

KOREA—PEASANT UPRISINGS

The Korean peasant uprising in 1811-1812 [with summary in English, p. 259]. G. D. Tiagai. Nar. Az. i Afr. no. 5: 108-117 '63.

KOREA, NORTH—POTTERY

A third century vessel of the Kokuryo period. E. V. Shavkunov, IU. V. Artsikhovskaia. Sov. arkheol. 7 no. 3 226-231 '63.

KOREA, SOUTH—FOREIGN RELATIONS—JAPAN

Japanese relations with South Korea. I. I. Vasilevskaia. Krat. soob. Inst. nar. Az no. 64 36-48 '63.

KOREA, SOUTH—POLITICS AND GOVERNMENT

Mazurov, V. M. [Establishment of an antipopular regime in South Korea, 1945-1950] Sozdanie antinarodnogo rezhima v iuzhnoi Koree, 1945-1950. Moskva, Izd-vo vostochnoi lit-ry, 1963. 193 p.

KORF BAY REGION—FOREST FIRES

Reproduction of some trees and shrubs in burns in the Korf Bay region (Koryak National Area) [with summary in English]. A. E. Katenin, V. F. Shamurin. Bot. zhur. 48 no. 9:1282-1297 S '63.

KORF BAY REGION—FOREST REPRODUCTION

Reproduction of some trees and shrubs in burns in the Korf Bay region (Koryak National Area) [with summary in English]. A. E. Katenin, V. F. Shamurin. Bot. zhur. 48 no. 9,1282-1297 S '63.

KOROSTEN' DISTRICT—BEAVERS

At the break of dawn. Ukraina no. 21:30-31 N '61.

KOROVIN, SERGEI ALEKSEEVICH, 1858-1908

Korovin, S. A. Sergei Alekseevich Korovin. Moskva, Gos. izd-vo izobraz. iskusstva, 1961. 1 v. (chiefly illus.)
(WU)

KORSAKOV, SERGEI SERGEEVICH, 1854-1900

S. S. Korsakov and the combat of alcoholism [with summary in English]. L. L. Rokhlin. Trudy Gos. nauch.-issl. inst. psikh. 38:434-441 '63.

KOTLAS—ELECTRIC POWER PLANTS

Putting into operation and maintenance of a high-pressure heat and electric power station. V. V. Kharchevnikov. Bum. prom. 38 no. 10:21-23 O '63.

KOTLAS—WOODPULP INDUSTRY

Breath of youth. P. F. Skverniukov. Bum. prom. 38 no. 10:25-26 O '63.

Equipment maintenance and repair service is an important part of production. A. I. Ivanov. Bum. prom. 38 no. 10 12 O '63.

High-level automation. N. I. Serov. Bum. prom. 38 no. 10:15-16 O '63.

Learning from experience. A. S. Sil'chenko. Bum. prom. 38 no. 10:3 O '63.

Plant for the preparation of aluminum oxide. A. M. Kon'iakov. Bum. prom. 38 no. 10,20 O '63.

Progress-securing measures. A. S. Sil'chenko. Bum. prom. 38 no. 9,8-9 S '63.

Prototype of an enterprise of the communist tomorrow. G. V. Parokonnyi. Bum. prom. 38 no. 10.4 O '63.

Sulfate pulp production in the combine. B. V. Zhuravlev. Bum. prom. 38 no. 10:23-24 O '63.

KOTLAS—WOODPULP INDUSTRY—EQUIPMENT AND SUPPLIES

How to make efficient use of the equipment. V. V. Popov, V. A. Luginin, L. A. Bortkevich. Bum. prom. 38 no. 10: 5-8 O '63.

KOTOVSHCHIKOVO REGION—DRAINAGE

Results of the inspection and recommendations for the utilization of the Kotovshchikovo drainage system. V. P. Bogusiavskii, I. V. Khruppa. Trudy OmSKhI 41:21-27 '60.

KOTOVSKOYE DISTRICT—RUSSIAN NEWSPAPERS

Problems of farming are their main consideration. I. Tomenko. Komm. Mold. 8 no. 10:33-36 O '63.

KOVYLKINO DISTRICT—GROCERY TRADE—AUDITING AND INSPECTION

Save every kilogram of provision. I. Burkaev. Sov. potreb. koop. 7 no. 11:48 N '63.

KOZACHENKO, VASYL'

Plnchuk, S. P. [Vasyl' Kozachenko, a literary criticism of his work] Vasyl' Kozachenko; literaturno-krytychnyi narys. Kyiv, Radians'kyi pys'mennyk, 1963. 199, [5] p.
(CaOTU)

KOZHEVNIKOV, ALEKSEI IAKOVLEVICH, 1836-1902

"A. IA. Kozhevnikov and the Moscow school of neuropathologists" by IU. P. Lisitsyn. I. A. Zinov'ev. Zhur. nevr. i psikh. 63 no 2:310-312 '63.

KOZLOVSKII, MIKHAIL TIKHONOVICH, 1903-

Mikhail Tikhonovich Kozlovskii; on his sixtieth birthday. Zhur anal khim. 18 no. 7:910-911 Jl '63.

KRAKOVSKII, NIKOLAI IVANOVICH, 1903-

Nikolai Ivanovich Krakovskii; on his 60th birthday. I. Kh. Andreev. Zdrav. Ros. Feder. 7 no. 10 48 O '63.

KRAMSKOI, IVAN NIKOLAEVICH, 1837-1887

Davydova, A. S. Kramskoi. Moskva, Iskusstvo, 1962. 109 p. plates.
(MH)

KRASNOARMEYSKIY DISTRICT (CHELYABINSK PROVINCE)—RETAIL TRADE

We are introducing progressive trade forms. N. Kostylev. Sov. potreb. koop. 7 no. 11:16-17 N '63.

KRASNODAR—BAKERS

Seminar of bread industry workers conducted in Krasnodar. N. A. Il'inskii. Khleb. i kond. prom. 6 no. 1 45 Ja '62.

KRASNODAR—CHEMICAL INDUSTRIES—FIRES AND FIRE PREVENTION

Utilization of industrial wastes without creating new waste products. K. Bushin, IU. Nazarov. Pozh. delo 7 no. 7 7-8 Jl '61.

KRASNODAR—CONSTRUCTION INDUSTRY

In Krasnodar. Stroitel' 9 no. 10:14-16 O '63

KRASNODAR TERRITORY—AGRICULTURE—HYGIENIC ASPECTS

On the "Mikhaylovskiy Pereval" State Farm. V. Khmeleva Okhr. truda i sots. strakh. 6 no. 10:30-31 O '63.

KRASNODAR TERRITORY—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

Economic education of agricultural activists. P. Maliavin. Polit. samoobr. 7 no. 11:70-74 N '63.

KRASNODAR TERRITORY—FISHERIES

Work of the fishing collectives of Krasnodar Territory. G. Komissarenko. Ryb. khoz. 38 no. 11. 86-91 '62.

KRASNODAR TERRITORY—STATE FARMS—STATISTICS

State farm statistics should have an orderly processing system. N. Goncharov. Vest. stat. no. 9 51-53 '63.

KRASNODAR TERRITORY—TRANSPORTATION, AUTOMOTIVE

Investigation of freight flow is the foundation for the organization of haulage. I. Chernobaev. Avt. transp. 41 no. 8:12-14 Ag '63.

KRASNODON—MUSEUMS

School of courage and bravery; the "Molodaia Gvardiia" State Museum in Krasnodon. A. S. Koroleva. Vop. ist. 8 no. 2:61-63 Ap-Je '63.

KRASNOPOL'SKII, ANATOLII BORISOVICH

People of high duty. L. Konovalov. Sov. voin 44 [i.e. 45] no. 16:20 Ag '63.

KRASNOYARSK—BRIDGES, CONCRETE

Manufacture of reinforced concrete elements using production-line techniques. G. K. Arkhangel'skii. Transp. stroi. 12 no. 3 14-17 Mr '62

KRASNOYARSK—WOODPULP INDUSTRY

Our methods to overcome the difficulties connected with the production of soluble cellulose. V. D. Likhobabin. Bum. prom. 38 no. 9:11 S '63.

KRASNOYARSK TERRITORY—COAL PREPARATION

Krapchin, I. P. [Economics of the treatment of Krasnoyarsk coals by the briqueting and semicoking methods] Ekonomika pererabotki krasnoiarskikh uglei metodami briketirovaniia i polukoksovaniia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 80 p.

KRASNOYARSK TERRITORY—COKE INDUSTRY

Krapchin, I. P. [Economics of the treatment of Krasnoyarsk coals by the briqueting and semicoking methods] Ekonomika pererabotki krasnoiarskikh uglei metodami briketirovaniia i polukoksovaniia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 80 p.

KRASNOYARSK TERRITORY—INDUSTRIES

Zubkov, A. I., and B. B. Gorizontov. [Industrial centers of the Krasnoyarsk Territory] Promyshlennye uzly Krasnoiarskogo kraia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 110 p.

KRASNOYARSK TERRITORY—LABOR SUPPLY

Improving the utilization of labor resources in the Krasnoyarsk Territory. D. M. Zakharina. Izv. SO AN SSSR no. 1, Ser. obshchestv. nauk no. 1:47-54 '63.

KRASNOYARSK TERRITORY—NATURAL RESOURCES

Several problems in developing the natural resources of the Krasnoyarsk portion of the Angara Valley. IU. P. Mikhailov. Sib. geog. sbor. no. 2:135-155 '63.

KRASNOYARSK TERRITORY—PINE

Wood moisture of growing Siberian pine trees. L. N. Isaeva. Izv. SO AN SSSR no. 0, Ser. biol.-med. nauk no. 2 51-55 '63.

KRASNOYARSK TERRITORY—POPULATION

Population geography of Krasnoyarsk Territory. V. N. Starikov. Sib. geog. sbor. no. 2 196-205 '63

KRASZEWSKI, JOZEF IGNACY, 1812-1887

Review of some of the recent works about J. I. Kraszewski. D. S. Prokof'eva. Lit. slav. nat. 8:237-241 '63.

KRAVCHENKO, ALEKSEI IL'ICH, 1889-1940

Page from the history of Soviet graphic arts. P. Kornilov. Iskusstvo 26 no. 6:72-73 '63.

KREMLIN see Moscow—Kremlin

KRIVOY ROG BASIN—COAL HANDLING MACHINERY

Design of a precast reinforced concrete element for dump cars. A. IA. Zhiltakova, I. IA. Luchkovskii, I. S. Khazanovskii. Stroi. stroi. tekh. 20 no. 10.45 O '63.

KRIVOY ROG BASIN—IRON MINES AND MINING

Automatic cleaning of spouts in the crushing and sorting plant of the "Severnaia" mine. V. M. Veksel'man. Met. i gornorud. prom. no. 4 77 Jl-Ag '63.

Efficient depth of mining Krivoy Rog deposits of rich iron ores. A. A. Kovshulia. Met. i gornorud. prom. no. 4-34-37 Jl-Ag '63.

Improving the operating efficiency at the "Gigant" mine. V. S. Vashchenko and others. Met. i gornorud. prom. no. 5 52-56 S-O '63.

Opening the northern group of mines in the Krivoy Rog Basin. IU. I. Mikhailov, IU. I. Chirkov, A. A. Makeev. Met. i gornorud. prom. no. 5 56-61 S-O '63.

State of the linings of ore hoisting shafts in Krivoy Rog Basin mines. A. E. Gavrutskii. Met. i gornorud. prom. no. 4 38-41 Jl-Ag '63.

KRIVOY ROG BASIN—IRON ORES

Dressing iron ores of the Northern Mining and Ore Dressing Combine. N. P. Pitkov. Met. i gornorud. prom. no. 4 55-58 Jl-Ag '63.

Economic use of rich iron ores from the Krivoy Rog Region. A. A. Kovshulia. Met. i gornorud. prom. no. 5: 42-45 S-O '63.

KRIVOY ROG BASIN—MAGNETITE

Autogenous grinding of Krivoy Rog magnetite-hornfels. V. I. Karmazin, A. I. Denisenko. Gor. zhur. no. 10:53-56 O '63.

KRIVOY ROG BASIN—MINING ENGINEERING

General practice of underground bunkering in the Krivoy Rog Basin. S. B. Gordon, I. S. Elisavetskaia, V. L. Butenko. Gor. zhur. no. 10:32-36 O '63.

KRIVOY ROG BASIN—ORES—TRANSPORTATION

Application of a uniform technology. M. S. Tkach. Zhel. dor. transp. 45 no. 10 04 O '63.

KRIVOY ROG BASIN—STRIP MINING

Construction and operation of automobile roads in Krivoy Rog Basin open-cut mines. M. M. Shestakov and others. Met. i gornorud. prom. no. 5 61-64 S-O '63.

KRUPNIK, IL'IA

Stories of a young writer. O. Chalkovskaia. Nov. mir 39 no. 1:253-256 Ja '63.

KRUPSKAIA, NADEZHDA KONSTANTINOVNA, 1869-1939

Pedagogical library of N. K. Krupskaia. Z. Subbotina, L. Kunetskaia, K. Mashtakova. Nar. obr. no. 10 101-104 O '63.

Umreiko, S. A., ed. [Prominent Russian pedagogue; a collection of articles on the pedagogical legacy of N. K. Krupskaia] Vydaiushchiisia sovetskii pedagog; sbornik statei o pedagogicheskom nasledii N. K. Krupskoi. Minsk, Gos. uchebno-pedagog. izd-vo, 1961. 122 p. (CtY)

KRUSHEL'NYTS'KYI, MAR'IAN MYKHAILOVYCH, 1897-1963

In memory of M. Krushel'nyts'kyi. IU. Kostiuk. Mystetstvo 10 no. 3:37 My-Je '63.

KRYLOV, ALEKSEI NIKOLAEVICH, 1863-1945

Academician A. N. Krylov's works on photogrammetry. A. V. TSarev, N. V. Khokhlovskii. Mor. sbor. 47 no. 11:77-80 N '63.

Admiral of ship sciences. I. Tumm. Mor. flot 23 no. 8: 39-40 Ag '63.

Lanovskaia, Zh. [Academician of the science of ships] Akademik korabel'noi nauki. Leningrad, Gos. izd-vo detskoi lit-ry, 1955. 163 p. (MiDW)

Krylov, A. N. [My recollections] Moi vospominaniia. [Moskva] Izd-vo Akad. nauk SSSR, 1963. 379 p.

Life dedicated to science. The hundredth anniversary of the birth of Academician A. N. Krylov. A. S. Fedorov. Priroda 52 no. 9,00-05 '63.

KRZHIZHANOVSKII, GLEB MAKSIMILIANOVICH, 1872-1959

A romantic of communism. O. Pisarzhevskii. Tekh. mol. 31 no. 8.8-9 '63.

KUBACHI—DECORATION AND ORNAMENT

Kil'chevskaia, E. V. [Decorative art in Kubachi aul] Moskva, Gos. izd-vo mestnoi promyshl. i khudozh. promyslov RSFSR, 1962 83 p. illus. plates. (MH)

KUBAN—CROP YIELDS

Deeds follow words. IU. Kotler. Sov. Soiuz no. 9 5-9 '63.

KUBAN—STATE FARMS—MANAGEMENT

Organization and the economics of swine raising state farms in the Kuban. V. Solov'ev. Ekon. sel'khoz 34 no. 10 18-25 O '63.

KUBAN—SWINE

Organization and the economics of swine raising state farms in the Kuban. V. Solov'ev. Ekon. sel'khoz. 34 no. 10 18-25 O '63.

Ways to reduce swine costs on the state farms of the Kuban. A. G. Fedichkin. Dokl. i soob. VNIESKH no. 10. 61-62 '63.

KUBAN—WATER SUPPLY

[In this book are given the answers to the questions: 1. Are there intelligent beings on other planets? 2. What significance has the Kuban-Kalaus Irrigation and Water-Supply System for Stavropol? 3. What is travertine? How is it formed and for what purposes is it used?] V etoi knige dany otvety na voprosy 1. Est' li razumnye sushchestva na drugikh planetakh? 2. Kakoe znachenie imeet dlia Stavropolia? Kuban'-Kalausskaia obvodnitel'no-orositel'naia sistema? 3. Chto takoe travertin, kak on obrazuetsia i v chem ego poleznost'? [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1960. 32 p. (Sprashivai - otvechaem)

[MICROFILM]

KUBAN VALLEY—CHERNOZEM SOILS

Content of some microelements in compact Chernozem soils of the Kuban Valley. T. L. Bystritskaia, V. D. Vasil'evskaia. Nauch. dokl. vys. shkoly, biol. nauki no. 4:182-184 '63.

KUBAN VALLEY—RUNOFF

Characteristics of the formation of the minimum runoff of the rivers in the western part of the Northern Caucasus (Kuban River basin). R. K. Kligo. Vest. Mosk. un. Ser. 5: Geog. 18 no. 5.32-37 S-O '63.

KUBAN VALLEY—TRACE ELEMENTS

Content of some microelements in compact Chernozem soils of the Kuban Valley. T. L. Bystritskaia, V. D. Vasil'evskaia. Nauch. dokl. vys. shkoly, biol. nauki no. 4 182-184 '63.

KUDRIAVTSEV, PETR NIKOLAEVICH, 1816-1858

Materials of P. N. Kudriavtsev's archives. S. A. Asinovskaia. Srod. veka no. 21 303-312 '63.

KUGART VALLEY—LOESS

Diagenesis conditions and the properties of loessial rocks in the Kugart Valley. N. G. Sudakova. Vest. Mosk. un. Ser. 5: Geog. 18 no. 5.65-68 S-O '63.

KUKHARKOV, NIKOLAI NIKANDROVICH, 1897-1963

In memory of N. N. Kukharkov. Knigaiasl. i mat. 8:408-490 '63.

KUKRYNIKSY, pseud.

Sacred resolution of a hero. G. Ponevezhskaia. Kul't. i zhizn. 7 no. 10:40-41 '63.

KULUNDA STEPPE—IRRIGATION FARMING

Calculation of the irrigation standards and the effectiveness of irrigation based on agrometeorological data as revealed by the study in the Kulunda Steppe. N. B. Meshchaninova. Meteor. i gidrol. no. 11:36-39 N '63.

KULUNDA STEPPE—WHEAT—FERTILIZERS AND MANURES

Foliar feeding of irrigated spring wheat with nitrogen fertilizers in the Kulunda Steppe. I. N. Shabalin. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2:113-116 '63.

KUMA VALLEY—PETROLEUM GEOLOGY—BIBLIOGRAPHY

Bibliography. Neftianik 8 no. 6:36 Je '63.

KUMAK VALLEY—STEPPE FLORA

Some problems in classifying the vegetation of dry steppes in the trans-Ural portion of the Or' Valley [with summary in English]. I. S. Il'ina. Vest. LGU 18 no. 18:102-115 '63.

KUMISS

Development of the production of Kumiss. A. E. Tolmacheva. Vop. pit. 22 no. 1:3-8 Ja-F '63.

KUNGEY ALATAU—GLACIERS

Number of ancient glaciers in the Kirghiz and Kungey Ala-Tau. E. V. Maksimov, V. N. Okhotnikov. Dokl. AN SSSR 152 no. 1:956-959 O '63.

KUNITSYN, ALEKSANDR PETROVICH, 1783-1810

Philosophical views of A. P. Kunitsyn. F. N. Simonov. Vest. Mosk. un. Ser. 8 Hist., philos. 18 no. 5 71-85 S-O '63.

KUPALA, IANKA, pseud. see Luisevich, Ivan Dominikovich, 1882-1942

KURA-ARAS LOWLAND—SOIL ABSORPTION

Water absorption by meadow-Sierozem soils, saturated with Ca and Na, in the Salyan and Mugan Steppes. I. Sh. Iskenderov. Dokl. AN Azerb. SSR 18 no. 12 15-19 '62.

KURAMA RANGE—ORE DEPOSITS

Mineralization stages of the Saridob lead-zinc deposit (western Kara-Mazar). M. G. Dobrol'skaia. Geol. rud. mestorozh. 5 no. 5:80-90 S-O '63.

KURCHATOV, IGOR' VASIL'EVICH, 1903-1960

First works of I. V. Kurchatov. I. I. Popov. Priroda 52 no. 9 91 '63.

KURCHENKO, VASILII EROFEEVICH

We know him, our father's knew him.... Mariia Pinchuk. Mol. kommi. no. 10:65-67 O '63.

KURDS see subdivision under Turkey

KURGAN PROVINCE—APPENDICITIS

Incidence of acute appendicitis in Kurgan Province. D. K. Sokolov. Kaz. med. zhur. no. 2:81-82 Mr-Ap '63

KURILE ISLANDS—GEOLOGY, STRATIGRAPHIC

Pliocene sediments in the Kurile Islands. G. P. Vergunov, A. F. Prialukhina. Dokl. AN SSSR 152 no. 6:1420-1423 O '63.

KURILE ISLANDS—GREENLING

Observations on greenlings (Hexagrammidae, Pisces) of the Kurile Islands [with summary in English]. L. B. Kliashtorin. Trudy Inst. okean. 59:104-109 '62.

KURILE ISLANDS—POISON SUMAC

Dermatitis caused by sumac [with summary in English]. P. Solomatin. Vest. derm. i ven. 36 no. 10 38-42 O '62.

KURILE ISLANDS—SAURY

Age determination from scales and the age groups [Cololabis saira (Brevoort)] in the region of the southern Kurile Islands. IU. V. Novikov. Izv. TINRO 46:233-241 '60.

KURILE ISLANDS—SKIN—DISEASES

Dermatitis caused by sumac [with summary in English]. P. Solomatin. Vest. derm. i ven. 36 no. 10 38-42 O '62.

KURILE ISLANDS—SPERM WHALE

Materials on the feeding habits of sperm whales in the northern part of Kurile waters (Paramushir and Onekotan-Shiashkotan regions) [with summary in English]. M. N. Tarasevich. Trudy Inst. okean. 71:195-200 '63.

KURSK—AUTOMOBILES

Kursk automobile plant. V. Egorov. Za rul. 21 no. 6: 18 Je '63.

KURSK, BATTLE OF, 1943

Shattering defeat of the fascist troops. A. Zhadov. Voen. vest. 43 no. 7:14-20 Jl '63.

Southeast of Orel. A. Surchenko. Voen. vest. 43 no. 7: 20-22 Jl '63.

KURSK MAGNETIC ANOMALY—CARBONATES

Supergene carbonates and the formation of rich residual ores in the Lebedi deposit of the Kursk Magnetic Anomaly. Omar Kamel. Geol. rud. mestorozh. 5 no. 5. 62-70 S-O '63.

KURSK MAGNETIC ANOMALY—HYDRAULIC CONVEYING

Hydraulic rock conveying from excavators and hydraulic spoil disposal in the Lebedinskiy open-pit mine of the Kursk Magnetic Anomaly. G. A. Nurok, L. N. Kasiapar, R. S. Medovshchikov. Gor. zhur. no. 10:39-45 O '63.

KURSK MAGNETIC ANOMALY—ORE DEPOSITS

Supergene carbonates and the formation of rich residual ores in the Lebedi deposit of the Kursk Magnetic Anomaly. Geol. rud. mestorozh. 5 no. 5:62-70 S-O '63.

KURSK PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

[Improve the forms and methods of party work; practices of party organizations in Kursk Province] Sovershenstvovat' formy i metody partiinoi raboty; iz opyta partiinykh organizatsii Kurskoi oblasti. [Kursk] Kurskoe knizhnoe izd-vo, 1962. 207 p. (CSt-H)

KURTAMYSH—LIBRARIES

Greater exactingness. V. Samsonov. Bibliotekar' no. 10 22-23 O '63

KUWAIT—FOREIGN RELATIONS—SAUDI ARABIA

Expectations of the peoples were not gratified. O. Ushakov. Mezhdunar. zhizn' 10 no. 12 113-114 D '63

KUYBYSHEV—AIRPLANE RACING

Above the wide Volga. S. Ignat'ev, V. Shamilov. Kryl. rod. 14 no. 11 18-20 N '63.

KUYBYSHEV—CLOTHING INDUSTRY

Produce more goods of excellent quality. P. I. Smirtaeva. Shvein. prom. no. 3 27-29 Je-Jl [i.e. My-Je] '61.

KUYBYSHEV—MACHINE-TOOL INDUSTRY—HYGIENIC ASPECTS

Our contribution to the Russian treasure chest. M. Maksimov. Okhr. truda i sots. strakh. 6 no. 11 7 N '63

KUYBYSHEV HYDROELECTRIC POWER STATION see Volga Hydroelectric Power Station (Lenin)

KUYBYSHEV PROVINCE—BATHS, MEDICATED

Use of coniferous sulfurous baths at the Sergiyevskiye Mineral'nyye Vody Health Resort. A. I. Rozhdestvenskii. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 4 357-358 Jl-Ag '62

KUYBYSHEV PROVINCE—EMPLOYERS' LIABILITY

Ancillary actions to be directed against concrete defendants. I. Petrov. Sots. obesp. 24 no. 10 16-17 O '63.

KUYBYSHEV PROVINCE—HEALTH RESORTS, WATERING PLACES, ETC.

Effectiveness of the treatment of hypertension with rescrpine combined with other remedies in a balneological sanatorium. V. N. Kochnev. Vop. kur. fizioter. i lech. fiz. kul't. 27 no. 4 311-313 Jl-Ag '62

Reaction of the cardiovascular system in patients with chronic gynecological diseases to the action of the balneological factors of the Sergiyevskie Mineral'nyye Vody Health Resort. G. P. Kravchenko, A. V. Lavrina. Vop. kur., fizioter., i lech. fiz. kul't. 27 no. 4 316-319 Jl-Ag '62.

KUYBYSHEV PROVINCE—TRANSPORTATION, AUTOMOTIVE

For technically efficient norms. N. Nikolaev. Avt. transp. 41 no. 8 36-37 Ag '63.

KUZNETSK BASIN—BLASTING

Improve boring and blasting operations in coal pits of the southern Kuznetsk Basin. N. IA. Repin, M. M. Berezniak, M. I. Potapov. Ugol' 38 no. 9 34-37 S '63

KUZNETSK BASIN—BORING

Improve boring and blasting operations in coal pits of the southern Kuznetsk Basin. N. IA. Repin, M. M. Berezniak, M. I. Potapov. Ugol' 38 no. 9 34-37 S '63.

KUZNETSK BASIN—BUILDING MATERIALS

Utilization of the ashes of heat and electric power plants and metallurgical slag in Kuznetsk Basin construction. N. I. Fedynin. Stroi. mat. 9 no. 7 2-3 Jl '63.

KUZNETSK BASIN—COAL—TRANSPORTATION

Results of experimental coal loading without the use of bunkers in some Kuznetsk Basin mines. B. A. Fleishman. Trudy NIIZHT no. 25 47-74 '61.

KUZNETSK BASIN—COAL MINES AND MINING

Concerning the work conditions of the Western Siberian Railroad under the new-operation system of Kuznetsk Basin coal mines. G. A. Balokin. Trudy NIIZHT

KUZNETSKIY DISTRICT—MINING ENGINEERING—HYGIENIC ASPECTS

Life is an examination. I. Monchenko. Okhr. truda i sots. strakh. 6 no. 11 8 N '63.

KVASS

Manufacture of leaven for kvass making and the methods of its supply to the consumers. I. A. Lubich. Khleb. i kond. prom. 6 no. 1 43-14 Ja '62.

KVIRING, EMMANUIL IONOVICH, 1888-1937

Outstanding statesman and the leader of the Communist Party. M. D. Bednov. Vop. ist. KPSS 7 no. 10 100-102 O '63.

KYUSHU—TUNNELS

"Kanmon" railless tunnel between Honshu and Kyushu in Japan. V. A. Samokhvalov. Sbor. nauch. rab. DVNIIS no. 1 245-249 '61.

KYZYLKUM—MOLLUSKS, FOSSIL

Fund of the Campanian Inoceramus in the Kyzylkum. R. P. Sobolcva. Dokl. AN SSSR 152 no. 6 1139-1140 O '63.

KZYL-ORDA—REVOLUTION, 1917-1921

The Red Guards of Petrovsk. N. T. Galaktionov, V. I. Kovazhenko, N. Tasymov. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR 17:135-148 '63

KZYL-ORDA PROVINCE—RICE

Rice is a high yield and profitable culture. B. Bapaev. Ekon. sel'khoz. 34 no. 10 74-79 O '63.

KZYLTU DISTRICT—MOHAMMEDANISM

Incomprehensible complacency. U. Sharipov. Nauka i rel. 4 no. 8 73-75 Ag '63.

LAAR, IOSIF

Immortality. A. Polosin. Voen. znan. 39 no. 10 39 O '63.

LABOR (OBSTETRICS)

Use of vitamin B_1 for expediting labor. K. G. Zalevskaia. Kaz. med. zhur. no. 1 44-46 Ja-F '61

LABOR AND LABORING CLASSES

(see also subdivision under Africa, Asia, Azerbaijan, Congo, (Leopoldville); Germany, Germany, West; Gorkiy Province, Italy; Kazakhstan; Leningrad, Moscow Province; Rumania, Transcaucasia; Ukraine, United States; White Russia)

"Early history of the Russian labor movement" by O. D. Sokolov. Reviewed by S. T. Alekseev, G. I. Ionova. Vop. ist. 38 no. 10 141-142 O '63.

I am the State! V. Karasev. Kul't. i zhizn. 7 no. 10 2-4 '63.

Akushkin, IA. S. [Labor and social wealth] Trud i obshchestvennoe bogatstvo. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauke, tekhnike. III Seriia Ekonomika, no. 14)

In the notebooks of propagandists. Komm. Bel. 37 no. 9 49-52 S '63.

Kugel', S. A. [Laws of the change in the social structure of the society during the transition to communism] Zakonomernosti izmeneniia sotsial'noi struktury obshchestva pri perekhode k kommunizmu. Moskva, Ekonomizdat, 1963. 132 p.

Letters from the editor. Sov. profsoiuzy 19 no. 17:35 S '63.

Merkulov, A. P. [Labor and automation] Trud i avtomatika. Moskva, Profizdat, 1963. 129 p. (NIC)

Moscow. Akademiia obshchestvennykh nauk. [Problems of the international workers' and national liberation movement at the present-day stage] Voprosy mezhdunarodnogo rabochego i natsional'no-osvoboditel'nogo dvizheniia na sovremennom etape; sbornik statei. Moskva, Izd-vo Akademii obshchestvennykh nauk pri TsK KPSS, 1963. 291 p.

[illegible] et. Kafedra istorii KPSS ostestvenno-[illegible] [The struggle of the CPSU to strengthen the laboring class and the peasantry] [illegible] ukreplenie soiuza rabochego klassa i [illegible] nik statei. [Moskva] Izd-vo Mosk. [illegible].

[illegible]ory of the Russian proletariat, 1861-[illegible]orii Rossiiskogo proletariata; 1861-[illegible]abanov i dr. Moskva, Sotsekgiz,

[illegible] class. M. Zhalnina. Sem'ia i [illegible] 7-8 N '63.

[illegible]rence on the history of the labor and [illegible]ment. G. M. Alpatova, V. A. Danilov. [illegible] Nov. i noveish. ist. no. 5:181-183

[illegible]apital. Okhr. truda i sots. strakh. 6 [illegible] 3.

[illegible]RING CLASSES—EDUCATION [illegible]on under Leningrad; Poland;

[illegible]cter of labor and the cultural and [illegible]th of the workers. V. Nemchenko. [illegible] no. 11:115-123 N '63.

Political education of the masses. Polit. rab. no. 7:15-29 Jl '63.

LABOR AND LABORING CLASSES—MISCELLANEA

From Moscow residents, to the forum of the [illegible]. S. Kropov. Okhr. truda i sots. strakh. [illegible] '63

LABOR AND LABORING CLASSES IN LITERATURE

Socialist poetry of Bulgaria at the end of the [illegible] beginning of the 20th century. M. I. Kuz'[illegible] slav. nar. 8 3-52 '63.

LABOR COURTS

(see also subdivision under Tselinograd)

Legal advice for voluntary policemen and their fellow workers' courts. Rad. pravo no. 1 41 [illegible] '63.

LABOR DISCIPLINE

(see also subdivision under Kazakhstan)

Communist labor and mode of life. A. [illegible] Polit. samoobr. 7 no. 7:30-31 Jl '63

The fleet belongs to the workers! meeting. [illegible] Sov. profsoiuzy 19 no. 19 36-38 O '63.

In a young workers' dormitory. V. [illegible]. A. [illegible] no. 18:13-15 S '63.

A lace handkerchief, a chisel, and some other [illegible] Fd. El'iashev. Mol. kommun. no. 10:91 [illegible] '63.

Man gets educated in the collective. V. [illegible] samoobr. 7 no. 7:29-30 Jl '63.

A page of a witness on the boldness of [illegible] [illegible]. Agitator no. 15:15-18 Ag '63.

LABOR DISPUTES

Committees on labor disputes. S. T. Sidilia, I. [illegible] skaia. Okhr. truda i sota. strakh. 6 no. 11 [illegible] '63.

Labor disputes concerning the issuing of [illegible] G. Mutsinov. Sov. iust. no. 19 4-6 O '63.

"Procedure in the examination of labor disputes [illegible] U. S. S. R." by V. I. Smoliarchuk. Reviewed by [illegible] matyrskyi. Rad. pravo no. 9 133-135 S-Ag '63

LABOR LAWS AND LEGISLATION

(see also subdivision under Egypt, India)

New developments in labor legislation. Mor. fl. [illegible] no. 8:45 Ag '63.

LABOR PARTY (GREAT BRITAIN) see Great Britain. Labor Party

LABOR PRODUCTIVITY

Important conditions for increasing labor productivity. A. Khotcev. Polit. samoobr. 7 no. 9 [illegible]

Kuritsyn, I. V. [Labor productivity in repair and construction work, methods for measurement and [illegible] Proizvoditel'nost' truda na remontno-stroitel'nykh rabotakh; metodika izmereniia i planirovaniia] Moskva, Izd-vo M-va kommunal'nogo khoziaistva RSFSR, [illegible] 58 p.

The most important, the main thing. M. M. Ar[illegible] Vest. Mosk. un. Ser. 8: Ekon., filos. 18 no. 4 [illegible] Ag '63.

The role of chemistry in raising labor productivity. B. Izmailov. Polit. samoobr. 7 no. 11:27-28 N '63.

LABOR SUPPLY see subdivision under Kazakhstan; Territory

LABOR TURNOVER

Labor turnover and economic theory. Vest. M[illegible] Ser. 8 Ekon., filos. 18 no. 5:95 S-O '63.

What is the economic significance of the reduction of labor turnover. E. Rumanov. Polit. samoobr. [illegible] 08-09 Jl '63.

LABORATORIES

New scientific laboratories. Vest. AN SSSR [illegible] 120 O '63.

LABORATORIES—EQUIPMENT AND SUPPLIES

Rudo, N. M. [Laboratory balances and precise weights] Laboratornyye vesy i tochnoe vzveshivanie. Moskva, Standartgiz, 1963. 140 p.

"Semiporcelain laboratory sinks. Types and [illegible] sizes." Biul. stroi. tekh. 20 no. 8:17 Ag '63.

LAC INSECTS—HOST PLANTS see subdivision under Sukhum region

LACQUER AND LACQUERING

New nitro-lacquer coatings on passenger ships. [illegible] min. Mor. flot 23 no. 9:34-36 S '63.

Possibility of using bitumen solutions for the manufacture of black lacquers. K. I. Zabyrina, M. B. [illegible], R. S. Kholodovskaia. Lakokras. mat. i ikh prim. [illegible] 69 '63.

LACTATION

Effect of rations with a different protein content and [illegible] nutritive substances on the secretory activity of the mammary gland in cows. K. G. Shantyr'eva. Nauch. doki. vys. shkoly, biol. nauki no. 4:74-79 '63.

LACTIC ACID IN THE BODY
Change in the lactic acid content of the blood of skaters when racing. I. K. Sivkov. Teor. i prak. fiz. kul't 26 no. 1 31-34 Ja '63.

LACTONES
Chemical study of brimstonewort (Peucedanum morisonii Bess.). G. K. Nikonov, A. A. Ivashenko. Zhur. ob. khim. 33 no. 8 2710-2744 Ag '63.

Lactones from angelique fruits (Archangelica tsetingmanica). G. K. Nikonov, R. K. Veremei, V. B. Kuvaev. Zhur. ob. khim. 33 no. 8 2711-2716 Ag '63.

Sesquiterpene lactones from whitish and Austrian wormwoods (Artemisia leucodes Ashchenk and A. austriaca Jacq.). K. S. Rybalko. Zhur. ob. khim. 33 no. 8 2731-2739 Ag '63.

LADOGA LAKE REGION—BETAFIE
Tantalum betafite from pegmatites of the Lake Ladoga region. A. P. Kalita, A. V. Bykova. Trudy IMGRI no. 7:104-107 '61.

LADOGA LAKE REGION—TANTALUM
Tantalum betafite from pegmatites of the Lake Ladoga region. A. P. Kalita, A. V. Bykova. Trudy IMGRE no. 7:104-107 '61.

LADYBIRDS see subdivision under Issyk-Kul' region; Kazakhstan

LAGASH—HISTORY
Community, the temple, and the palace. V. V. Struve. Vest. drev. ist. no. 3 11-34 '63.

LAKES
(see also subdivision under North Kazakhstan Province)
Concerning the publication "Materials on the observations of lakes and reservoirs." V. A. Veinert. Meteor. i gidrol. no. 11,56-57 N '63.

LAKES—THERMODYNAMICS
Heat transfer in lakes. A. M. Mkhitarian. Dokl. AN Arm SSR 36 no. 4:217-223 '63.

LAMBS—DISEASES
Prevention and treatment of disease in young animals. A. M. Smirnov and others. Veterinariia 37 no. 2:47-51 F '60.

LAMELLIBRANCHIATA
(see also subdivision under Volga River)
Characteristics of spermatogenesis in some bivalve mollusks (Unio, Anodonta, Mya). N. S. Strogunova. Vest. Mosk. un. Ser. 6. Biol., pochv. 18 no. 6:25-34 N-D '63.

LAMELLIBRANCHIATA, FOSSIL see subdivision under Fergana

LAMINAR FLOW
Calculation of thermal diffusion in laminar flow of a viscous fluid at moderate values of thermal and diffusion Prandtl numbers. A. M. Suponitskii. PMTF no. 5:48-54 S-O '63.

LAMINATED METALS
Extrusion of bimetal shapes. S. A. Golovanenko and others. Kuz.-shtam. proizv. 5 no. 10 7-9 O '63.

LAMPROPHYRES see subdivision under Zeravshan Range

LAND
Kuznetsov, G. A. [Organization of farm areas and the utilization of land on state farms in virgin lands] Organizatsiia territorii i ispol'zovanie zemel' v tselinnykh sovkhozakh. Moskva, Ekonomizdat, 1963 210 p.

LAND SETTLEMENT see subdivision under Angara Valley

LAND TENURE
(see also subdivision under Africa, North; Cameroons; Rhineland; Rome; Siberia, Western)
Agrarian reforms of the Great October Revolution. G. I. Arin. Komun. Ukr. 30 no. 10,87-90 O '63.
On some methods of historical studies. A. IA. Avrekh. Vop. ist. 38 no. 10:110-120 O '63.

LANDFORMS
(see also subdivision under Ob' Valley; Soviet Central Asia)
Achievements of Soviet landform studies. IU. G. Saushkin. Vest. Mosk. un. Ser. 5. Geog. 18 no. 6:99 N-D '63.

LANDFORMS—MAPS see subdivision under Yenisey Valley

LANDING OPERATIONS
Members of the landing force conduct reconnaissance. IA. Samoilenko. Voen. vest. 43 no. 7:43-46 Jl '63.
Use of aviation in marine landing operations. P. D. Gnidenko, IU. A. Briukhanov. Mor. sbor. 46 no. 7:42-48 Jl '63.

LANDSCAPE GARDENING
(see also subdivision under Abkhazia)
New species of Sorbus for landscape gardening. T. T. Trofimov. Nauch. dokl. vys. shkoly; biol. nauki no. 4: 132-136 '63.

LANDSLIDES
Study of the stability of bank slopes under external loads. Chzhu Zhui-gen [Chu Jui-keng]. Nauch. soob. IGD 18 106-113 '63.

LANGUAGE AND LANGUAGES
Generalizing role of the word. Z. N. Zaitseva. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 4 86-89 Jl-Ag '63.
Linguistic potentials. V. S. Vashunin. Uch. zap. MGPIIA 27:3-22 '63.
Overcoming the consequences of the cult of personality in Soviet linguistics. V. V. Vinogradov. Rus. iaz. v shkole 24 no. 5 1-12 S-O '63.
Phonemes and their distinctive features. R. R. Kaspranskii. Uch. zap. MGPIIA 27 23-43 '63.

LANGUAGE AND LANGUAGES—BIBLIOGRAPHY see Bibliography—Language and languages

LANGUAGE AND LANGUAGES—CLASSIFICATION
Moscow. Publichnaia bibliioteka. [Library and bibliographical classification, schedules for research libraries] Bibliotechno-bibliograficheskaia klassifikatsiia, tablitsy dlia nauchnykh bibliotek Moskva
No 20 [[Section] Sh. Philology Belles lettres] [Razdel] Sh. Filologicheskie nauki Khudozhestvennaia literatura 1963 203 p.

LANGUAGE AND LANGUAGES—PROGRAMMED INSTRUCTION
Programming of the grammatical material in a foreign language. M. M. Hokhleimer, B. V. Fiher. Rad. shk 42 no. 10:51-57 O '63.

LANGUAGE AND LANGUAGES—STUDY AND TEACHING
Shubin, E. P. [Basic principles of the methods of teaching foreign languages] Osnovnye printsipy metodiki obucheniia inostrannym iazykam. Moskva, Uchpedgiz, 1963 199 p.
Teaching of foreign languages. V. Myshakov, I. Ivanovskaia. Voen. vest. 41 no. 11:72-73 N '61.

LANGUAGES, MODERN—STUDY AND TEACHING
Reorganization of the teaching of foreign languages at agricultural institutions of higher education. A. O. Sarovalskii. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:95-101 '61.

LANTHANIDES see Rare earths

LANTHANUM—ANALYSIS
Extraction-photometric determination of yttrium and lanthanum with alizarin S. L. S. Serdiuk, U. F. Stilch, V. S. Smirnaia. Trudy Kom. anal. khim. 14:271-278 '63.

LANTHANUM COMPOUNDS
Preparation of lanthanum dicarbide by a vaccum-thermal method. G. N. Makarenko. Zhur. prikl. khim. 36 no. 8 1860-1862 Ag '63.

LAPIN, AL'BERT, 1899-1937
A 20 year-old-army commander. M. Palant. Mol. komm. no. 10:36-38 O '63.

LARCENY
Communist attitude toward public wealth. Polit. samoobr. 7 no. 11:3-8 N '63.

LARCH
(see also subdivision under Amur Valley, Kamchatka)
Economic efficiency of larch tapping. IU. M. Kulomzin. Gidroliz. i lesokhim. prom. 16 no. 7:26 '63.

LARVAE—FISHES
Significance of the stage of mixed feeding on the development of the larvae of whitefish. L. V. Volkova. Dokl. AN BSSR 7 no. 4:271-276 Ap '63.

LARVAE—INSECTS
Larvae of the subfamily Geocorinae (Heteroptera, Lygaeidae) in the Ukrainian S. S. R. V. H. Puchkov. Dop. AN URSR no. 12 1639-1643 '61.
Larvae of the subfamily Pimeliinae (Coleoptera, Tenebrionidae). N. G. Skopin. Trudy Kaz. NIIZR 7:191-298 '62.
Morphology and systematics of larvae of the genus Coccinella L. (Coleoptera, Coccinellidae). G. I. Savoiskaia. Trudy Kaz. NIIZR 7,290-315 '62.

LARYNX—CANCER
Olfaction in patients following laryngectomy. T. A. Rogachikova. Trudy mol. nauch. sotr. MONIKI no. 1:55-57 '59.
Respiration in patients following complete excision of the larynx due to cancer. L. I. TSukerberg. Trudy mol. nauch. sotr. MONIKI no. 1:61-64 '59.

LARYNX—SURGERY
Olfaction in patients following laryngectomy. T. A. Rogachikova. Trudy mol. nauch. sotr. MONIKI no. 1:55-57 '59.
Respiration in patients following complete excision of the larynx due to cancer. L. I. TSukerberg. Trudy mol. nauch. sotr. MONIKI no. 1:61-64 '59.
Respiratory function of the larynx. L. I. TSukerberg. Trudy mol. nauch. sotr. MONIKI no. 1:58-60 '59.

LASERS
Concepts of negative absorption and negative temperature. V. S. Mashkevych. Ukr. fiz. zhur. 8 no. 8 915-918 Ag '63.
Lasers. A. Prokhorov. Kommunist 40 no. 17,77-80 N '63.
Optical masers. A. I. Ardab'evskii, A. V. Chekan. Izv. vys. ucheb. zav.; radiotekh. 6 no. 1:327-356 Jl-Ag '63.
Pulsed radiation from a laser operating on neon and on a neon-helium mixture [with summary in English]. G. G. Petrash, I. N. Knyazev. Zhur. eksp. i teor. fiz. 45 no. 1 833-839 O '63.
Ruby-operated laser with a generation length of ~ 10 msec [with summary in English]. V. K. Konyukhov, L. A. Kulevskii, A. M. Prokhorov. Zhur. eksp. i teor. fiz. 45 no. 4 857-862 O '63.
Semiconductor lasers. B. Fedorov. Radio no. 10:25-26 O '63.
Theory of pulsations of the radiation from a ruby-operated laser [with summary in English]. V. V. Korobkin, A. V. Uspenskii. Zhur. eksp. i teor. fiz. 45 no. 4 1003-1008 O '63.
Width of lines emitted by laser modes. V. S. Mashkevych. Ukr. fiz. zhur. 8 no. 8 918-921 Ag '63.

LATHES
(see also subdivision under Czechoslovakia)
Adjustment of lathes for machining conic surfaces by the method of simultaneous switching-on of longitudinal feed and of the advancement of upper tool slides. N. P. Labasov. Stan. i instr. 34 no. 8 21-22 S '63.
Installing a lathe for woodwork. I. I. Serov. Shkola i proizv. 7 no. 10,56-57 O '63.
The KA-104 semiautomatic six-spindle lathe. M. G. Mosenkis. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11,45-47 '63.
The NT-29 automatic multicut lathe. V. I. Romanovskii, I. S. Sidorov. Stan. i instr. 34 no. 9:39-40 S '63.
New machine tools. Stan. i instr. 34 no. 10 42 O '63.

LATHES—NUMERICAL CONTROL
Modernization and automation of the IA62 lathe. IU. I. Naumov. Stan. i instr. 34 no. 10:21-23 O '63.

LATIN AMERICA—AGRICULTURE—ECONOMIC ASPECTS
Upsurge of the peasant movement in Latin American countries. E. Rodriguez. Mir. ekon. i mezhdunar. otn. no. 10 41-54 '63.

LATIN AMERICA—FOLKLORE
Zubert, E., ed. [Legends and tales of the Indians of Latin America] Legendy i skazki indeitsev Latinskoi Ameriki. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 301 p.
(NN)

LATIN AMERICA—FOREIGN ECONOMIC RELATIONS—COMMUNIST COUNTRIES
Latin America and the socialist countries. M. Manasov. Otv. na vop. trud. no. 1:20-27 Ja '63.

LATIN AMERICA—FOREIGN RELATIONS—CUBA
Cuban revolution and Latin America. S. Mikhailov. Mezhdunar. zhizn' 10 no. 12:62-69 D '63.

LATIN AMERICA—FOREIGN RELATIONS—UNITED STATES
Cuban revolution and Latin America. S. Mikhailov. Mezhdunar. zhizn' 10 no. 12:62-69 D '63.
Decline of the era of Pan-Americanism. V. Tarasov. Mezhdunar. zhizn' 10 no. 12:133-135 D '63.

LATIN AMERICA—FOREIGN RELATIONS—YUGOSLAVIA
President Tito in America. V. B. Nov. vrem. 21 no. 43:14-15 O '63.

LATIN AMERICA—POLITICS
Military juntas again. IU. Bochkarev. Nov. vrem. 21 no. 41:10-11 O '63.
U. S. bourgeois historians on the problems of Latin America. V. B. Tarasov. Nov. i noveish. ist. no. 5. 171-172 '63.

LATIN AMERICA—TRADE UNIONS, CATHOLIC
Who after all will save Latin America? M. IA. Domnich. Vop. ist. 38 no. 10:192-193 O '63.

LATIN AMERICAN STUDIES see subdivision under United States

LATIN LANGUAGE
Review of IU. F. Shul'ts, T. V. Mertsalova and I. L. Savel'eva's book "Textbook of the Latin language." D. F. Kalinin, R. M. Romanova. Kaz. med. zhur. no. 2:88-89 Mr-Ap '63.

LATVIA—AGRICULTURE—STATISTICS

Statistika Sovetskoi Latvii; statisticheskii sbornik [Statistics of Soviet Latvia; statistical handbook] Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1962. 295 p. [In Latvian with some titles in Russian] (MH)

LATVIA—BAPTISTS

[illegible] Baptistu Latvijā [illegible] Brāļu [illegible]

LATVIA—CLOVER

Red clover varieties recommended for cultivation in the Latvian SSR. Riga, Latvian SSR Ministry of Agriculture, Latvian Scientific Research Institute of Agriculture "Sigra," 1963. 11 p. [In Latvian]

LATVIA—COURTS

Latviiskaia S.S.R. Laws, statutes, etc. [Statute on elections to the people's courts in the city districts of the Latvian S.S.R., adopted by Decree of the Presidium of the Supreme Soviet of the Latvian S.S.R., October 22, 1962] Polozhenie o vyborakh narodnykh(gorodskikh) raionnykh sudov Latviiskoi SSR, utverzhdeno Ukazom Prezidiuma Verkhovnogo Soveta Latviiskoi SSR ot 22 oktiabria 1962 goda. Riga, Latviiskoe gos. izd-vo, 1963. 22 p.

LATVIA—ELECTRIC SUBSTATIONS

[illegible] industrial enterprises. V. I. P. [illegible] Ik no. 8 47-49 Ag '63.

LATVIA—FOREST FAUNA

Lapins, I. [Biology and parasites of small forest mammals of the Latvian S.S.R.] Biologiia i parazitofauna melkikh lesnykh mlekopitaiushchikh Latviiskoi SSR. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1963. 134 p.

LATVIA—HAY—HARVESTING

Practices in mechanized harvesting of vitamin-rich hay. R. Sta[illegible], S. Kripkov. Tekh. v sel'khoz. 23 no. 6 27-31 Je '63.

LATVIA—HYDROLYSIS

[illegible] Dzh. V. Zheltukhin, G. [illegible] Gidroliz prom. 14 no. 8 27 '61.

LATVIA—INSECTS, INJURIOUS AND BENEFICIAL

Utilization of morphological characteristics in the forecast of plant pests [with summary in English] Ia. P. Feiro-skii, K. IA. Fgina, V. A. Strazdinia. Zhur. ob. biol. 24 no. 1 40-42 Ja-F '63.

LATVIA—JAVELIN THROWING

Following the javelin. V. Viktorov. Ogonek 41 no. 33. 8-9 Ag '63.

LATVIA—LITERARY MUSEUMS

Collection, literary materials. S. Viese. Trudy NIIM. 144-50 '61.

LATVIA—MICRO-ORGANISMS, NITROGEN-FIXING

Relationships of various nodule bacteria strains of clover in the rhizosphere during the formation of nodules. V. Kalninš. Trudy Inst. mikrobiol. no. 11 162-168 '61.

LATVIA—MOTION-PICTURE PLAYS

The light of knowledge and the "light" of faith. M. Semenov. [illegible] no. 2 91-92 F '62.

LATVIA—PARASITES—MAMMALS

Lapins, I. [Biology and parasites of small forest mammals of the Latvian S.S.R.] Biologiia i parazitofauna melkikh lesnykh mlekopitaiushchikh Latviiskoi SSR. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1963. 134 p.

LATVIA—RUSSIAN LANGUAGE—DIALECTS

Lexicon of the dialect of Russian old timers living in the Preili district of the Latvian S.S.R. A. I. Sinitsa. Pskovsk. [illegible] no. 1 219-237 '62.

LATVIA—SCIENTIFIC EXPEDITIONS

Expeditions undertaken by Latvian scientists. Vest. AN SSSR 33 no. 10 121-122 O '63.

LATVIA—THEATER

Kundzins, Karlis. [Outline history of the Latvian theater] Latvijskii teatr, ocherk istorii. Pod obshchei red. Georga Golana. Moskva, Iskusstvo, 1963. 229 p.

LATVIAN FOLKLORE see Folklore, Latvian

LATVIAN LANGUAGE—DIALECTS

Work on a Latvian regional dictionary. S. K. Ragge. Pskov. gos. [illegible] no. 1:281-295 '62.

LATVIAN LANGUAGE—FOREIGN WORDS AND PHRASES

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Valodas un literaturas instituts. [Spelling and pronunciation of foreign names in the Latvian literary language] Noradijumi par citvalodu ipasvardu pareizrakstibu un pareizrunu latviesu literaraja valoda. Riga, Latvijas PSR Zinatnu akademijas izdevnieciba. [In Latvian]

Vol. 9. Ceplitis, L. comp. [French names] Francu valodas ipasvardi. 1963. 96 p.

Vol. 10. Rige, S. [Finnish names] Somu valodas ipasvardi. 1963. 52 p.

LATVIAN LITERATURE—HISTORY AND CRITICISM

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Valodas un literaturas instituts. [History of Latvian literature in six volumes] Latviesu literaturas vesture sesos sejumos. Riga, Latvijas PSR Zinatnu akad. izdevnieciba. [In Latvian]

Vol. 1. [Latvian folklore. Literature up to the middle of the 19th century] Latviesu folklora. Literature lidz 19. gs. vidum. 1959. 617 p.

LATVIAN PAINTINGS see Paintings, Latvian

LAUNDRY

The laundry is transferred in containers. N. Gutov, V. Pishchik. Zhil.-kom. khoz. 11 no. 12 29 D '61.

LAUNDRY INDUSTRY—STATISTICS

Several survey results of mechanized laundries. I. Kirushkin. Vest. stat. no. 9 55-56 '63.

LAUREL

Coppice plantations of bay laurel. V. A. Cherevatenko. Konserv. prom. 18 no. 10:18 O '63.

Growth and development of the vegetative organs of different forms of bay laurel. K. P. Ankvab. Trudy Sukh. bot. sada no. 14, 115-124 '62.

LAURIC ACID

Lipids. Part 20. Synthesis of dodecanoic (lauric) acid. G. G. Zapesochnaia, I. K. Sarycheva, N. A. Preobrazhenskii. Zhur. ob. khim. 33 no. 8 2552-2555 Ag '63.

LAURISTIN, JOHANNES, 1899-1941

Rudnev, D. M. Johannes Lauristin. Tallinn, Eesti Riiklik Kirjastus, 1962. 348 p. illus. [In Estonian] (MH)

LAW

(see also subdivision under Ukraine)

Tomsk Universitet. Ekonomiko-juridicheskii fakul'tet. [Problems of economics, state, and law in the decisions of the 22d Congress of the CPSU, reports, May 1962] Voprosy ekonomiki, gosudarstva i prava v resheniiakh XXII s"ezda KPSS, doklady, mai 1962 g. Tomsk, Izd-vo Tomskogo Univ. 1962. 111 p.

LAW—BIBLIOGRAPHY see Bibliography—Law

LAW—CASES see subdivision under Ukraine, United States

LAW—DICTIONARIES

Materials for a dictionary of legal terms. Rad. pravo no. 4 149-156 Jl-Ag '63.

LAW—HISTORY AND CRITICISM see subdivision under Armenia

LAW—PERIODICALS

Conferences of our readers in Kishinev and Voronezh. V. Vasil'ev, V. V. Trufanov. Sov. gos. i pravo 33 no. 10: 152-154 O '63.

LAW—PHILOSOPHY

Doctrine of historical materialism and the theory of the state and law. P. A. Rachkov. Sov. gos. i pravo 33 no. 10:58-67 O '63.

Enactment of Soviet laws in the light of the philosophical categories of necessity and chance [with summary in English]. N. D. Abdullaev. Vest. LGU 18 no. 17 103-105 '63.

Moscow. Vsesoiuznyi institut iuridicheskikh nauk. [Development of the Marxist-Leninist theory of the state and law by the 22d Congress of the CPSU] Razvitie marksistsko-leninskoi teorii gosudarstva i prava XXII s"ezdom KPSS. Pod red. N. G. Aleksandrova, I. S. N. Bratusia. Moskva, Gosiurizdat, 1963. 301 p.

Objectives and successive periods in the history of the state and law of all Soviet people; a review of materials received by our periodical. Sov. gos. i pravo 33 no. 10: 24-32 O '63.

Ziva, S. L. [The ideological poverty of anticommunism; against the distortion of the problems of socialist state and law by the ideologists of anticommunism] Ideinaia nishcheta antikommunizma, protiv izvrashcheniia ideologami antikommunizma voprosov sotsialisticheskogo gosudarstva i prava. Moskva, Gosiurizdat, 1963. 128 p.

LAW ENFORCEMENT see subdivision under Ukraine

LAWYERS

How would you call it, Comrade Khalturin? I. Rakitin. Sov. iust. no. 13:32 Jl '63.

LAWYERS—EDUCATION AND TRAINING

On the job training of young specialists. S. Mamonov. Sov. iust. no. 13:13 Jl '63.

LAZAREV, MIKHAIL PETROVICH, 1788-1851—BIBLIOGRAPHY see Bibliography—Lazarev, Mikhail Petrovich, 1788-1851

LEACHING

Behavior of selenides and tellurides of certain metals during hydrochloric leaching. A. L. TSeft, R. G. Azerbaeva, A. A. Adilova. Vest. AN Kazakh. SSR 19 no. 9:58-64 S '63.

Estimating the stability of leaching chambers in [illegible] of rock salt. M. A. Dolgikh, V. V. Matveenko, [illegible] Khachaturian. Trudy VNIIST no. 12 73-111 '61.

Study of the chemical treatment of manganese ore [illegible] T. T. Miach, I. G. Samoilov. Gor. zhur. no. 10, [illegible] O '63.

LEAD

Devices for washing out cisterns. N. P. Iovsakh[illegible] Transp. stroi. 12 no. 3 36-37 Mr '62.

LEAD—ANALYSIS

Thermionic emission of lead on tungsten and thoriated [with summary in English]. M. S. Chaprashkin, [illegible] Anal. khim. 18 no. 9:1059-1062 S '63.

LEAD—ELECTROMETALLURGY

Electrolytic treatment of lead in melts using a [illegible] membrane. I. G. Pavlenko, A. P. Gritsiuk. Ukr. khim. zhur. 29 no. 8:868-874 '63.

LEAD CHLORIDES—THERMODYNAMIC PROPERTIES

Thermodynamic properties of $PbCl_2$ in ternary [illegible] $PbCl_2$ - KCl - NaCl. IU. K. Delimarskii, [illegible] Ukr. khim. zhur. 29 no. 8 781-784 '63.

LEAD DEPOSITS see subdivision under Argun Valley (Transbaikalia)

LEAD INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Ust'-Kamenogorsk;

LEAD ORES see subdivision under Argun Valley (Transbaikalia); Blagodatsk region; Klichka region; Nerchinskiy Zavod region, Shilka Valley, Transbaikalia

LEAD PLATING

Mechanization of the process of homogeneous lead [illegible] of steel chemical equipment. D. G. Nikitin, V. Ia. [illegible] chenko. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11:21-24 '63.

New methods of the lead plating of chemical apparatus. I. M. Vainer, V. V. Belov. Khim. mashinostr. [illegible] 36 My-Je '63.

LEAD SELENIDE CRYSTALS

Production, structure and some properties of single-crystal lead selenide films. S. A. Semiletov, L. V. Voronina. Dokl. AN SSSR 152 no. 6 1350-1353 O '63.

Temperature dependence of ultrasound velocity in PbSe single crystals in the range 80°-640°K. A. A. [illegible] Kristallografiia 8 no. 3:473-475 My-Je '63.

LEAF BEETLES see subdivision under Karakhstan

LEAF BUGS see subdivision under Poltava Province

LEAF HOPPERS see subdivision under Ukraine

LEAF MINERS see subdivision under Kanev region

LEARNING, PSYCHOLOGY OF

Physiological analysis of the formation of a [illegible] torie working habits in school children [with abstract in English]. Z. N. Batika, S. A. Kostilov. Zhur. vys. nerv. deiat. 13 no. 6:928-930 N-O '63.

LEAST SQUARES

Analytic representation of X-ray atomic scattering factors in the form of a polynomial. F. A. Il[illegible] Kristallografiia 8 no. 3:336-345 My-Je '63.

Use of a least squares method for finding the origins of complex images and determination of parameters of complex systems. V. F. Zheverzheev, I. A. Ozerov. Shor. trud. LIIZHT no. 178 98-100 '61.

Use of the method of least squares in solving a mixed problem in the theory of elasticity. [illegible] Izv. vys. ucheb. zav.; mat. no. 5:97-100 '63.

LEATHER

Refining of Russian leather and large hides with defective grain defects. B. M. Dushyn and others. [illegible] no. 3:15-16 Jl-S '63.

LEATHER INDUSTRY

Pollution of the sewage waters of leather factories. N. I. Ivanov. Leh. prom. no. 3:49-51 Jl-S '63.

Seminar for the intensification of production processes and improvement of the quality of leather raw materials. G. Stepanov. Mias. ind. SSSR 34 no. 5:63 '63.

LEATHER INDUSTRY—FIRES AND FIRE PREVENTION see subdivision under Kazan

LEAVES

Reduction of the protein-nucleic acid metabolism in severed leaves during their yirescence under the influence of kinetin. O. N. Kulaeva and others. Dokl. AN SSSR 152 no. 6:1476-1478 O '63.

LEAVES—ANATOMY

Leaf diagnosis of fruit crops. E. D. Zelenskaia. Sb. trudy Ukr. nauch.-issl. inst. sad. no. 40 66-78 '62.

Morphologic and anatomic structure of the cotyledons of some species of cotton. A. S. Durlov. Bot. zhur. 48 no. 9:1355-1361 S '63.

LEBEDYAN—DESCRIPTION
Volynchikov, N., S. Nikitina, and P. Chermenskii. [Lebedyan] Lebedian', [Lipetsk] Lipetskoe knizhnoe izd-vo, 1962. 35 p. (Gorода nashei oblasti) (MH)

LECITHIN
K. S. D'iakonov's discovery of the lecithin-choline relation. V. E. Anisimov. Kaz. med. zhur. no 1:90-92 Ja-F '61

LECTURES AND LECTURING see subdivision under Samarkand

LEECHES see subdivision under Russia, Southern

LFG
Functional asymmetry of legs. E. P. Il'in. Teor. i prak. fiz. kul't. 26 no. 1 22-25 Ja '63.

LFGAL AID see subdivision under Gorlovka

LEGAL AID SOCIETIES see subdivision under Moscow

LFGAL DOCUMENTS
Legal documents should be written in a proper way. B. Kolesov. Sov. just. no. 19 21 O '63.

LEGAL ETHICS
Let us inculcate the noble principles of legal ethics in the personnel of the Soviet judicial system. Sov. just. no. 19:1-3 O '63.

LEGAL RESEARCH see subdivision under Karaganda, Voronezh

LEGENDS
The invisible city of Kitezh. I. Kir'ianov. Nauka i rel. no. 2 22-26 F '62

LEGUMES see subdivision under Ukraine

LENA VALLEY—CLEARING OF LAND
Chemical method for controlling willow growths. K. E. Kononov. Zemledelie 25 no. 10 71 O '63.

LENA VALLEY—OIL FIELDS
Siberia again and oil again. IU. Apenchenko. Sov. Soiuz no. 9:10-12 '63.

LENA VALLEY—PALEOBOTANY
Use of the combined method for paleobotanical characterization of Upper Mesozoic sediments in some regions of the Lena Basin. V. V. Pavlov. Sbor. st. po paleont. i biostrat. no. 32:66-78 '63.

LENA VALLEY—PALYNOLOGY
Correlation of the key sections of Permian oil-bearing sediments in the Lena-Khatanga trough based on palynological data. A. F. Dibner. Sbor. st. po paleont. i biostrat. no. 32:5-23 '63.

Palynological characteristics of marine Jurassic and Lower Cretaceous sediments revealed by the bore holes in the Tyumyati and Ulakhan-Yuryakh areas (Lena-Olenek region). V. D. Korotkevich. Sbor. st. po paleont. i biostrat. no. 32:24-36 '63.

LENA VALLEY—PHYTOGEOGRAPHY
Dynamics of the vegetative cover of the Lena-Olenek interfluve. L. I. Buka. Vest. Mosk. un. Ser 5 Geog. 18 no. 6:45-49 N-D '63.

LENA VALLEY—WILLOWS
Chemical method for controlling willow growths. K. E. Kononov. Zemledelie 25 no. 10:71 O '63.

LENART, JOSEF, 1903-
Josef Lenart. Nov. vrem. 21 no. 39:31 S '63.

LENGTH MEASUREMENT
From the history of length measurements. Tekh. mol. 30 no. 8:40 '62.

LENIN, VLADIMIR IL'ICH, 1870-1924
At the turn of the century. Grigorii Khait. Smena 40 no. 19:2-3 O '63.

Bonch-Bruevich, V. D. [Selected works in three volumes] Izbrannye sochineniia v trekh tomakh. Red. kollegiia N. A. Smirnov i dr. Moskva, Izd-vo Akad. nauk SSSR. Vol. 3. [Reminiscences about V. I. Lenin, 1917-1924] Vospominaniia o V. I. Lenine, 1917-1924 gg. 1963. 444 p.

Books on India in V. I. Lenin's study room and apartment in the Kremlin. K. A. Mashtakova. Nar. Az. i Afr. no. 6:159-161 '63.

A classic study of the policy of proletarian internationalism. G. Iseev. Komm. Uz. 35 no. 10:10-19 O '63.

The greatest of all the people of our era. V. Deviatov, A. Terasenko. Polit. samoobr. 7 no. 9 123-132 S '63.

How V. I. Lenin's work "What is to be done" should be studied. A. Smirnov. Polit. samoobr. 7 no. 9:107-114 S '63.

Interesting events and useful information. Komm. Bel. 37 no. 10:78 O '63.

Leninist principles of control. L. Denisov. Agitator no. 18:62-63 S '63.

Leninist rules of party life and the principles of party guidance. V. Pozniak. Komm. Ukr. 39 no. 10 11-18 O '63.

Letters of Azerbaijan workers to V. I. Lenin. D. D. Gadzhinskii. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 4:115-118 '63.

The name of our great leader is immortal. Komm. Bel. 37 no. 9:11-19 S '63.

New edition of V. I. Lenin's biography. Komm. Mold. 8 no. 10 75 O '63.

On the way to the Smol'nyi. Pavlo Makiushenko. Semlia i shkola 18 no. 11:6-9 N '63.

Study of V. I. Lenin's book "One step forward, two steps backward". A. Zakharikov. Polit. samoobr. 7 no. 11 93-99 N '63.

[V. I. Lenin and some problems in the theory and practice of building communism. Commemorative 75th anniversary of V. I. Lenin's meeting with the students of Kazan University] V. I. Lenin i nekotorye voprosy teorii i praktiki stroitel'stva kommunizma. K 75-letiiu uchastiia V. I. Lenina v skhodke studentov Kazanskogo universiteta. [Kazan'] Izd-vo Kazanskogo univ. 1962. 293 p. (NIC)

V. I. Lenin and some problems of aesthetics. N. I. Kachanovskii. Uch. zap. Tash. teatr.-khud. inst. no. 5: 27-49 '62.

V. I. Lenin on realism. F. N. Petrov. Isk. kino 33 no. 7: 2-3 '63.

V. I. Lenin's efforts to preserve the state monopoly of foreign trade. D. M. Kukin. Vop. ist. KPSS 7 no. 10 26-40 O '63.

"V. I. Lenin's everyday work in the field of foreign relations, 1917-1920" by M. I. Tiush. Reviewed by A. L. Ugrimov. Vop. ist. 38 no. 10:132-133 O '63.

LENIN IN LITERATURE AND ART
Great secrets of V. I. Lenin's creative work. G. Kublitskii. Nov. vrem. 21 no. 45 11-12 N '63.

LENIN PRIZES
Lenin Prize winners in 1963. Mystetstvo 10 no. 3,9 My-Je '63.

LENINABAD—RUG AND CARPET INDUSTRY—TECHNOLOGICAL INNOVATIONS
A Kayrakum carpetmaker. B. Aleksandrov. Nar. khoz. Uzb. 5 no. 7:44-45 Jl '63.

LENINGRAD—AGRICULTURAL LIBRARIES
At the service of agricultural science and production; the 125th anniversary of the Leningrad Division of the Central Agricultural Library. N. I. Bakusheva, L. L. Zhestiankova. Bibliot. SSSR no. 23:58-62 '63.

LENINGRAD—APARTMENT HOUSES—DESIGN AND CONSTRUCTION
Build taking into account the composition of families. G. D. Platonov. Stroi. i arkhit. Len. 25 no. 7,11-13 Jl '63.

From three-dimensional elements. A. F. Shutov, N. G. Svarichevskii. Stroi. i arkhit. Len. 25 no. 7:22-24 Jl '63.

Greater initiative in creative pursuits. Concerning the experimental project of a microdistrict in Kirishi. L. E. Ass. Stroi. i arkhit. Len. 25 no. 7:7-10 Jl '63.

LENINGRAD—APARTMENT HOUSES—HEATING AND VENTILATION
Heating and ventilation in high-story houses. I. S. Liber. Stroi. i arkhit. Len. 25 no. 7,25-27 Jl '63.

LENINGRAD—ARCHITECTURE
Andrei Andreevich Oli. V. A. Kamenskii, A
Stroi. i arkhit. Len. 25 no. 7:31-33 Jl '6
Designing, erecting, and building. Stroi. i
25 no. 7:34-36 Jl '63.
Kamenskii, V. A. [Leningrad today an
Leningrad segodnia i zavtra. Leningr
1962. 117 p.
(MH)

LENINGRAD—ARCHIVES
Leningrad (Province) Gosudarstvennyi
skoi revoliutsii i sotsialisticheskogo
[Brief guidebook to the collections of
on the October Revolution and Socialis
Kratkii putevoditel'. Pod red. P. V. V
Leningrad, 1962. 182 p. illus.
(MH)

LENINGRAD—BAKERIES
Moscow, TSentral'nyi institut nauchno
informatsii pishchevoi promyshlennos
information; advanced practices of L
No. 16] Tekhnicheskaia informatsiia;
Leningradskogo khlebozavoda, no. 16,
25 p.
[I

LENINGRAD—BAKERIES—EQUIPMENT AND SUPPLIES
Completely mechanized loading and unloading system in the distribution department of a bakery. V. N. Mikhailov, V. I. Chumakov. Khleb. i kond. prom. 6 no. 1 29-31 Ja '62.

LENINGRAD—BIOMETRY—STUDY AND TEACHING
Teaching biometry at the Leningrad University. P. V. Terent'ev. Prikl. mat. metod v biol. no. 2:12-17 '63

LENINGRAD—BUILDING—ESTIMATES
Instead of an estimate, an industrial calculation. A. V. Krakovich. Stroi. i arkhit. Len. 25 no. 7 17-18 Jl '63.

LENINGRAD—CITY PLANNING
In the Smol'nyy district. A. I. Naumov. Stroi. i arkhit. Len. 25 no. 7 2-6 Jl '63.

LENINGRAD—COMMUNIST EDUCATION
Schools of communist labor. S. Chugunov. Komm. Ukr. 39 no. 10 54-57 O '63.

LENINGRAD—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK
Advance only. . . G. Popov. Polit. samoobr. 7 no. 7: 25-27 Jl '63.

LENINGRAD—CONSTRUCTION INDUSTRY
Interests of the party are the interests of the people. Stroi. i arkhit. Len. 25 no. 7:1 Jl '63.

LENINGRAD—DERMATOVENEREOLOGICAL SOCIETIES
Brief news. Vest. derm. i ven. 36 no. 10 93 O '62.

LENINGRAD—FIREMEN
Forty years in service. B. Konchaev. Pozh. delo 7 no. 7,18 Jl '61.

LENINGRAD—FUR TRADE
The 35th international fur auction in Leningrad. N. Murav'ev. Vnesh. torg. 43 no. 10:18 '63.

LENINGRAD—HARBOR—REGULATIONS
At the sea gates of Leningrad. Dm. Levenevskii. Zvezda no. 7:147-150 Jl '62

LENINGRAD—HISTORY
Krasnikova, A. V. [At the dawn of the Soviet regime, the Bolsheviks of Petrograd during the first months of the proletarian dictatorship, Nov. 1917-July 1918] Na zare Sovetskoi vlasti, bol'sheviki Petrograda v pervye mesiatsy proletarskoi diktatury, noiabr' 1917-iiul' 1918 g. [Leningrad] Lenizdat, 1963. 205 p.
(CSt-H)

LENINGRAD—INDUSTRIAL HYGIENE
Aid for industries. P. Kouzov. Okhr. truda i sots. strakh. 6 no. 10,21 O '63.

Wings of a good initiative are getting stronger. A. Latyshova. Okhr. truda i sots. strakh. 6 no. 10:9-10 O '63.

LENINGRAD—LABOR AND LABORING CLASSES
Leningrad. Universitet. [History of the laboring class in Leningrad] Istoriia rabochego klassa Leningrada, sbornik statei. [Leningrad]
Vol. I. 1962.
(MH)

LENINGRAD—LABOR AND LABORING CLASSES—EDUCATION
Schools of communist labor. S. Dmitriev, IU. Smirnov. Polit. samoobr. 7 no. 11:66-69 N '63.

LENINGRAD—LIBRARIES, WORKINGMEN'S

LENINGRAD—METALWORKERS—EDUCATION AND TRAINING

[illegible] V Tarasov, Sp[illegible] [illegible] Ob[illegible] [illegible]

LENINGRAD—MUNICIPAL SERVICES

[illegible] [illegible] Leningrad, Il no 12[illegible] D '61.

LENINGRAD—PALACES

Sokolova, T. M. [Halls of the Winter Palace and the Hermitage; brief historical and architectural study.] Zal Zimnego dvortsa i Ermitazha; kratkii istoriko-arkhitekturnyi ocherk. Leningrad, Izd-vo Gos. Ermitazh, 1962. 134 p. illus. [Text in Russian and French]

LENINGRAD—PLYWOOD INDUSTRY

[illegible] [illegible] I. V. Smeshin [illegible] [illegible] Il no 12[illegible] Ag '62.

LENINGRAD—PRINTING MACHINERY AND SUPPLIES

[illegible] [illegible] V. Zavrazhnov, K. Raskin [illegible] [illegible] no. 11 4-6 N '62

LENINGRAD—STANDARDIZATION

[illegible] [illegible] E. K. Arzamastsev, Standartizatsiia 29 no. 6 33 Ag '63.

LENINGRAD—SUBWAYS—DESIGN AND CONSTRUCTION

"Technological institute-Petrogradskaia." D. I. Bol'shakov, Stroit. i arkhit. Len. 25 no. 7 14-17 Jl '63.

LENINGRAD—TELEVISION STATIONS—EQUIPMENT AND SUPPLIES

Television equipment of the Leningrad TV Station. P. E. Kodess. Tekh. kino i telev. 6 no. 3 1-11 Mr '62

LENINGRAD—THEOLOGICAL SEMINARIES

End of the academic year in theological schools in Leningrad. M. P. Russkov. Zhur. Mosk. Patr. no. 6 13-14 '63.

LENINGRAD—TRADE UNIONS

We [illegible] [illegible] are getting stronger. A. Lazarkova. Profsoiuzy, trudiashchiesia, strakh. 6 no. 10 9-10 O '63.

LENINGRAD—URBAN RENEWAL

Kamenskii, V. A. [Leningrad today and tomorrow] Leningrad segodnia i zavtra. Leningrad, Lenizdat, 1962. 167 p. (MH)

LENINGRAD—WORLD WAR, 1939-1945

Defeat of Wehrmacht Officers Chugunov. N. Smirnov. Zvezda no. 7:141-142 Jl '62

LENINGRAD DISTRICT (FERGANA)—COLLECTIVE FARMS

Cotton pickers are leading. I. Il'gurov. Part. zhizn' [Uzb.] no. 2 [illegible]-64 F '63.

LENINGRAD PROVINCE—CONSERVATION OF NATURAL RESOURCES

Let's protect our forests and rivers. A. Shevchenko. Zvezda no. 7:152-154 Jl '62.

LENINGRAD PROVINCE—CONSTRUCTION INDUSTRY

For the industrialization of construction in villages. N. V. Edinovich. Stroit. i arkhit. Len. 25 no. 7 18-21 Jl '63.

LENINGRAD PROVINCE—INDUSTRIAL WASTES

We must not linger any more. D. Ershov. Zvezda no. 7:151-152 Jl '62

LENINGRAD PROVINCE—WATER—POLLUTION

We must not linger anymore. D. Ershov. Zvezda no. 7:151-152 Jl '62.

LENINGRAD PROVINCE—WILDLIFE, CONSERVATION OF

Let's protect our forests and rivers. A. Shevchenko. Zvezda no. 7:152-154 Jl '62.

LENINGRAD UNIVERSITY

[Handbook for those entering Leningrad University in 1963, information on the University, entrance regulations and entrance examination programs] Spravochnik dlia postupaiushchikh v Leningradskii universitet v 1963 godu, svedeniia ob universitete, pravila priema i programmy vstupitel'nykh ekzamenov. [Leningrad] Izd-vo Leningr. univ. 1963. 136 p.

LENINOGORSK REGION—GEOLOGY

Correlation between the stratigraphic and tectonic control in the Leninogorsk ore zone. K. F. Ermolaev. Vest. AN Kazakh SSR 18 no. 4 40-45 Ap '62

LENINOGORSK REGION—OIL WELL DRILLING

A brigade of communist labor is ahead of us (to be continued). G. I. Nikishin. Neftianik 8 no. 6 14-16 Je '63.

LENSES

Correction of the distortion in a negative system with an external eyepiece. P. D. Ivanov. Izv. vys. ucheb. zav., prib. 6 no. 5 112-125 '63.

LENSES, PHOTOGRAPHIC

Mount for the "Lenar" variable focal length lens. M. I. Beliaev. Tekh. kino i telev. 6 no. 8 71 Ag '62

LENSES, PHOTOGRAPHIC—STANDARDS

New state standard for motion-picture camera lenses for 16-mm films. F. S. Novik, N. V. Khazova. Tekh. kino i telev. 6 no. 3 67-69 Mr '62.

LENSES, PHOTOGRAPHIC—TESTING

Methods and instruments for analyzing the frequency-contrast characteristics of photographic lenses. O. A. Gerasimova. Tekh. kino i telev. 6 no. 3 22-32 Mr '62

LEONE, GIOVANNI, 1908-

Giovanni Leone. S. Vasil'ev. Mir. ekon. i mezhdunar. otn. no. 10 139-140 '63.

LEPTOSPIRA

(see also subdivision under Azerbaijan)

Effect of digestive juices on pathogenic Leptospira [with summary in English]. T. N. Mikhailova. Trudy Tom-NIIVS 12 73-78 '60.

Effect of some antibiotics on Leptospira [with summary in English]. G. Charova, E. Mastemtsa. Trudy Tom-NIIVS 12 70-72 '60

Leptospira infection in white mice treated with cortisone [with summary in English]. T. N. Mikhailova. Trudy TomNIIVS 12 184 189 '60

LERMONTOV, MIKHAIL IUR'EVICH, 1814-1841

In Lermontov's Pyatigorsk. N. P. Loshchenin. Vop. arkh. 8 no. 2:52-54 Ap-Je '63.

LEUCOCYTE COUNT

Change in the pain-induced leucocytic reaction in radiation and combined radiation injuries [with summary in English]. M. I. Ul'ianov, B. V. Sakharov. Med. rad. 8 no. 2 42-46 F '63

LEUCOCYTES

Change in the morphological composition of "white" blood in acute alcoholic psychoses [with summary in English]. IU. L. Shapiro, A. G. Gofman. Trudy Gos. nauch.-issl. inst. psikh. 38 241-248 '63

LEUKEMIA

Antileukemic effect of 2,6-di-tert.-butyl-4-methylphenol (ionol). N. M. Emanuel' and others. Dokl. AN SSSR 152 no. 2:481-484 S '63.

Chromium content in the blood of children with leukemia. V. A. Leonov, V. A. Boiko. Dokl. AN BSSR 7 no. 10: 711-713 O '63.

Chronic myeloid leukemia of a megakaryothrombocytic form. V. N. Akimova. Trudy mol. nauch. sots. MONIKI no. 11:182-183 '59.

LEVASHI (DAGHESTAN)—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

A good word. M. Temirbekova. Polit. samoobr. 7 no. 11 86-89 N '63

LEVEL INDICATORS

Improvement of the operation of level measuring devices. B. G. Egorov. Energetik 11 no. 11 15-16 N '63.

Inductive device for signaling drainage in an adjacent cellar. A. A. Korablev. Elek. sta. 34 no. 8:69 Ag '63.

Optimalizing endovibration level gage [with summary in English]. V. A. Viktorov, L. G. Palevich. Avtom. i telem. 24 no. 10 1422-1426 O '63.

LEVITAN, ISAAK IL'ICH, 1860-1900

Uferova, A. A. Isaak Il'ich Levitan. Leningrad, Khudozhnik RSFSR, 1962. 38 p. plates (Narodnaia bibliotechka po iskusstvu) (MH)

LEVOMYCETIN

Effect of levomycetin on the phagocytic reaction in carp. IU. D. Nechyporenko, V. A. Kulazhko. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14:123-125 '62.

Levomycetin concentration in the blood serum of carp as related to the method of treatment. IU. D. Nechyporenko, O. F. Osadcha. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14 129-131 '62.

Methods for determining levomycetin concentration by diffusion in agar. O. F. Osadcha. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14:126-128 '62

Use of granulated feeds with levomycetin for the prophylaxis of hemorrhagic septicemia in carp. IU. D. Nechyporenko and others. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14:138-142 '62.

LIABILITY (LAW)

Correlation of the rules of Soviet labor and civil law on the liability of workers and employees [with summary in English]. V. T. Smirnov. Vest. LGU 18 no. 17:85-92 '63.

LIAPIN, SERGEI EVGEN'EVICH, 1884-

Sergei Evgen'evich Liapin, on his 70th birthday. V. Gasteva. Mat. v shkole no. 5:74-75 S-O '64

LIBERIA—DESCRIPTION AND TRAVEL

A trip to the Nimba Mountain region. A. Kochin. Nov. vrem. 21 no. 39:24-26 S '64.

LIBERTY OF CONSCIENCE

Freedom of conscience. Nauka i zhizn' [illegible] '63.

LIBRARIES

(see also subdivision under Italy, Kurtamysh, Moscow, Pskov Province; Ryazan Province; Soviet Virgin Territory, Vladimir Government, Yukutia, Yelizovo)

Approaching the problem with concrete proposals. K. Kustov. Bibliotekar' no. 10 59-60 O '64

Centenary of the Lenin State Library. M. Lemke. Zvezda no. 5:199-204 Jl '62.

Letters to the editor. Bibliotekar' no. 9 61-64 S '63.

Organizing the study and the dissemination of the experience of public libraries in the R.S.F.S.R. A. [illegible] ov. Bibliot. SSSR no. 23:3-10 '63.

The plenum imposes a responsibility. [Komsomol] Bibliotekar' no. 9:8-14 S '63.

The principle of party participation in the work of libraries. T. Voronova. Bibliotekar' no. 9:1[illegible] '63

Program of our activities. V. Shunkov. Bibliotekar' no. 8 7-9 S '63.

Publisher and the library. Bibliotekar' no. 10 1-3 '63.

Setting work norms in public libraries of the R.S.F.S.R. L. V. Kovalenok, N. A. Smirnova. Bibliot. SSSR [illegible] 65-85 '63.

LIBRARIES—PERIODICALS

How it began. M. Slukhovskii. Bibliotekar' no. 10 [illegible] O '63.

LIBRARIES, RURAL

A faithful friend of the agricultural worker. R. [illegible] leva. Agitator no. 10:36-38 S '63.

LIBRARIES, SPECIAL

(see also subdivision under Arkhangel)

Giving one's attention to the lumberman. I. Mikhailova. Bibliotekar' no. 10:36-38 O '63.

Our basic library. P. Martin. Bibliotekar' no. 10 [illegible] '63.

LIBRARIES, WORKINGMEN'S see subdivision under Leningrad

LIBRARIES AND READERS

(see also subdivision under Leningrad; Yelizovo District)

The active group in the support of the library. V. [illegible] leva. Bibliotekar' no. 10 41-43 O '63.

Approach each reader skillfully. R. Chardzhieva. Bibliotekar' no. 9:21-23 S '63.

Bring library books to every worker. D. I. Kurbel'skii. Bibliot. SSSR no. 23:10-20 '63.

Formalism hides books. L. Zakharova. Bibliotekar' no. 10 58-59 O '63.

Here they love Russian literature. N. Belavatova. Bibliotekar' no. 10 45-46 O '64.

In close contact with life. Bibliotekar' no. 10 [illegible] '63.

Invading the remotest hiding places. V. Stel'makh. Bibliotekar' no. 10 43-45 O '63.

Librarian's diary. L. Chapygina. Bibliotekar' no. 8 [illegible] 36 S '63.

Making books available to every family, every worker, and every employee. R. Z. Zotova. Bibliot. SSSR no. 23:30-37 '63.

Our slogan today: know more than yesterday. I. K. [illegible] zova. Bibliotekar' no. 9:50-51 S '63.

Striding into tomorrow. V. Veitsman. Bibliotekar' no. 9:30-33 S '63.

That they may grow up worthy of a great era. O. Nesterova. Bibliotekar' no. 10:34-36 O '63.

What's preventing us? K. Mavrichova. Bibliotekar' no. 9:39-42 S '63.

LIBRARY SCHOOLS AND TRAINING

System of training personnel and improving qualifications in the service department of the Leningrad Public Library. N. IA. Zmeeva. Bibliot. SSSR no. 23:114-118 '63.

LIBRARY SCIENCE

[Information about library work and bibliography abroad] materials] Inform. o bibliot. dela i bibl. za rub. Ja-Je '63.

LIBRARY SCIENCE—BIBLIOGRAPHY see Bibliography—Library science

LIBRARY SCIENCE—DICTIONARIES

Gorgadze, G. G., and G. A. Kartozia. [Dictionary of library terms] Slovar' bibliotechnykh terminov. Tbilisi, Akad. nauk Gruzinskoi SSR, 1962. 202 p. (MIU)

LIBRARY SCIENCE—PERIODICALS

The fortieth anniversary of the journal "Bibliotekar'." G. E. Vitchevskaia. Sov. bibl. no. 5:26-30 '63.

LIBRARY STATISTICS

Use of the sampling method in library statistics. T. V. Veronova. Bibliot. SSSR no. 23 86-95 '63.

LIBYA—COMMERCE—RUSSIA

Trade agreement between the U.S.S.R. and the Kingdom of Libya. Vnesh. torg. 13 no. 10 53-55 '63.

LICHEN PLANUS

Treatment of eczema and diffuse neurodermatitis with ACTH and cortisone in compound therapy. V. V. Nagi-[illegible]. Vest. derm. i ven. 36 no. 10 79-81 O '62.

LICHENS see subdivision under Khibiny Mountains

LICHTENBERG FIGURES

Generation of Lichtenberg figures in a nanosecond interval. V. S. Komel'kov. Zhur. tekh. fiz. 33 no. 8:943-944 Ag '63.

LICORICE

Glycyrrhizin content in licorice roots and rhizomes. T. P. Nadezhina. Bot. zhur. 48 no. 9 1332-1337 S '63.

LIE ALGEBRAS

Classification and canonic realization of complex homogeneous bounded regions. E. B. Vinberg, S. G. Gindikin, I. I. Piatetskii-Shapiro. Trudy Mosk. mat. ob-va 12. 359-388 '63.

Interacting fields with spin 1 and symmetry properties [with summary in English]. V. I. Ogievetskii, I. V. Polubarinov. Zhur. eksp. i teor. fiz. 45 no. 4:1068-977 O '63

LIFE (BIOLOGY)

[illegible] review. A. R. Ness. Mir. nauki no. 4:27-28 '62.

LIFE ON OTHERS PLANETS

Is the meeting of two civilizations possible? Vasilii Fesenkov and others. Sov. Soiuz no. 8:26-27 '63.

LIFE ON PLANETS see Plurality of worlds

LIGHT—SCATTERING

Angular distribution of radiation in a medium illuminated by a narrow pencil of rays. A. P. Ivanov, I. D. Sherbaf. Dokl. AN BSSR 7 no. 10 673-676 O '63.

Approximate solution of the problem of emission transfer at anisotropic scattering [with summary in English] O. A. Avaste. Trudy Astrofiz. inst. AN Kazakh. SSR 10:95-101 '62.

Calculating the intensity of light scattered in the atmosphere of the spherical earth [with summary in English]. G. Sh. Livshits. Trudy Astrofiz. inst. AN Kazakh. SSR 4:114-119 '63.

Determination of the atmospheric polarization considering multiple scattering [with summary in English]. E. V. Pinaskovskaia-Tesenkova. Trudy Astrofiz. inst. AN Kazakh. SSR 3:133-143 '62.

Determination of the indicatrixes of light scattering in the earth's atmosphere taking into account multiple scattering and pure absorption [with summary in English]. G. Sh. Livshits. Trudy Astrofiz. inst. AN Kazakh. SSR 3:57-61 '62.

Effect of the properties of the underlying surface on the polarization of scattered light of the sky [with summary in English]. P. N. Boiko. Trudy Astrofiz. inst. AN Kazakh. SSR 3:119-132 '62.

On the role of light scattering in the earth's atmosphere in the ultraviolet spectral region [with summary in English]. V. I. Pavlov. Trudy Astrofiz. inst. AN Kazakh SSR 4:94-101 '63.

Intensity of scattered atmospheric radiation [with summary in English]. G. Sh. Livshits. Trudy Astrofiz. inst. AN Kazakh SSR 3:51-56 '62.

Interaction between the scattered and reflected day airglow [with summary in English]. E. M. Feigel'son. Trudy Astrofiz. inst. AN Kazakh. SSR 3:74-82 '62.

Light scattering on light. V. M. Arutiunian and others. Zhur. eksp. i teor. fiz. 45 no. 4:1270-1272 O '63.

Photoelectric self-recording photometer of day airglow and the indicatrix of scattered light in the earth's atmosphere including small angles of dispersion [with summary in English]. E. L. Pavlov. Trudy Astrofiz. inst. AN Kazakh. SSR 3:62-65 '62.

Resolutions of the conference. Trudy Astrofiz. inst. AN Kazakh. SSR 3:245-246 '62.

Role of diffuse scattering in measuring the atmospheric transparency [with summary in English]. M. N. Kabanov. Trudy Astrofiz. inst. AN Kazakh. SSR 3:97-102 '62.

Scattering asymmetry and the development of fluctuations in solutions which do not separate into layers. V. E. Eskin, A. E. Nesterov. Dokl. AN SSSR 152 no. 6:1403-1404 O '63.

Scattering of light in the atmosphere for an anisotropic underlying surface [with summary in English]. G. Sh. Livshits. Trudy Astrofiz. inst. AN Kazakh SSR 4:109-111 '63.

Simplified spectrometer for measuring spectral fluxes of diffuse radiation [with summary in English]. Kh. I. Nifiigk. Trudy Astrofiz. inst. AN Kazakh. SSR 3:72-75 '62.

LIGHTING

(see also subdivision under Moscow)

Present-day systems of lighting equipment for television studios. V. B. Tolmachev. Tekh. kino i telev. 6 no. 3 41-48 Mr '62.

LIGHTING—BIBLIOGRAPHY see Bibliography—Lighting

LIGHTWEIGHT CONCRETE

Lightweight concrete wall panels for industrial buildings. S. Borovin, G. Pavlov. Stroitel' 9 no. 10 1-4 O '63.

LIGHTWEIGHT CONCRETE—THERMAL PROPERTIES

Heat-resistant air-entrained concrete. K. Nekrasov and others. Stroitel' 9 no. 10 5-6 O '63.

Production of heat-resistant air-entrained concrete has been mastered. N. Zoshchuk. Stroitel' 9 no. 10. 8 O '63.

LIGNIN

Using chlorine lignin for the flotation of iron ores. IA. M. Turetskii and others. Gidroliz. i lesokhim. prom. 14 no. 8:10 '61.

LILIALES see subdivision under Karaganda Province

LIME, CHLORIDE OF

Study of the viscosity of aqueous solutions of LiCl, LiBr, and $CaCl_2$ suitable for the conditions of drying of gases. S. A. Bogatyrh, I. D. Evnovich. Zhur. prikl. khim. 36 no. 8 1867-1868 Ag '63.

LIME INDUSTRY

"Carbonate rocks for the production of building lime." Biul. stroi. tekh. 20 no. 8:18 Ag '63.

Effective means of lowering the oversize yield in limestone quarries. A. I. Butsii, E. E. Chidukov. Stroi. mat. 9 no. 10 14-17 O '63.

Technical policy in the lime industry. S. G. Epifanovskii, S. A. Krzheminskii, P. G. Muromskii. Stroi. mat. 9 no. 10 24-26 O '63.

LIMESTONE

(see also subdivision under Bulgaria)

Losses in wall blocks made of sawed limestone during the storage and transportation. A. V. Starchikov. Standartizatsiia 27 no. 8 35-38 Ag '63.

LIMING OF SOILS see subdivision under Ukraine

LIMIT THEOREMS (PROBABILITY THEORY)

Limit theorems for large deviations when Cramér's condition is not observed. Part 1. [with summary in English]. V. V. Petrov. Vest. LGU 18 no. 19 49-68 '63.

LINEAR DIFFERENTIAL EQUATIONS see Differential equations, Linear

LINEAR EQUATIONS

Bifurcation points of a certain class of equations. V. B. Melamed. Dokl. AN SSSR 152 no. 4:821-822 O '63.

Method for solving a system of algebraic equations for use in the design of electric circuits. N. G. Maksimovich. Mat. mod. i elek. tsepi no. 1:191-200 '63.

Some remarks concerning the conditionality of systems of linear algebraic equations. N. P. Zhidkov. Zhur. vych. mat. i mat. fiz. 3 no. 5 803-811 S-O '63.

Use of the method of finite differences in solving Stefan's single-phase problem for a quasi-linear equation. F. P. Vasil'ev. Dokl. AN SSSR 152 no. 4:783-786 O '63.

LINEAR PROGRAMMING

Davydov, B. I., and B. IA. Roginskii. [Using linear programming in the economics and operation of the merchant marine] Primenenie lineinogo programmirovaniia v ekonomike i ekspluatatsii morskogo transporta. Moskva, Izd-vo "Morskoi transport," 1963. 94 p. (Ekonomika i ekspluatatsiia morskogo transporta)

"Problem of optimal planning" by IA. P. Gerchuk. Reviewed by P. Maslov. Vest. stat. no. 9:60-62 '63.

Some problems concerning the solution of linear programming problems. O. N. Tokareva. Mat. mod. i elek. tsepi no. 1 28-32 '63.

Textbook on the linear algebra and programming course. A. A. Glagolev and others. Vest. vys. shkoly 21 no. 10: 91-93 O '63.

LINEN

Flax revenges itself. I. Titova. Znan.-sila 38 no. 5:41-43 My '63

LINKS AND LINK MOTION

Synthesis of a double-crank hinged six-bar linkage with a stop. A. S. Suprunov. Izv. vys. uchcb. zav., mashinostr. no. 7:18-27 '63.

LINOLEIC ACID

Studying the reaction of the copolymerization of styrene with linolic acid. V. V. Shneiderova. Lakokras. mat. i ikh prim. no. 1 33-34 '62

LINOLEUM

Multilayered polyvinyl chloride linoleum. A. P. Belova and others. Stroi. mat. 9 no. 10 20-22 O '63.

LIPETSK PROVINCE—BIBLIOGRAPHY

Lipetsk (Province) Oblastnaia bibliotcka. [Literature on Lipetsk Province published in 1957] Literatura o Lipetskoi oblasti za 1957 god. Lipetsk, Leninskoe znamia, 1959. 200 p. (NNC)

LIPETSK PROVINCE—COLLECTIVE FARMS—ACCOUNTING

Improve the accounting for labor on collective farms. G. Shmelev. Vest. stat. no. 10:67-68 '63.

LIPETSK PROVINCE—NATURAL MONUMENTS

Rudnev, F. F., and P. A. Novikov. [Vorgol cliffs] Vorgol'skie skaly. [Lipetsk] Lipetskoe knizhnoe izd-vo, 1962. 23 p.

LIPID METABOLISM

Effect of betazin (β-analog of diiodotyrosine) on the composition of lipids in the animal organism and the synthesis of thyroxine and its precursors in the thyroid gland. I. B. Fridliand, P. S. Popekhina, L. V. Ulenkova. Trudy VIZH 24 413-418 '62.

Effect of diets of different qualitative composition on the clinical course of disease and lipid metabolism in patients with coronary atherosclerosis [with summary in English]. G. S. Korobkina and others. Vop. pit. 22 no. 1:17-22 Ja-F '63.

LIPIDOSIS

Bone xanthomatosis (Hand-Schueller-Christian disease) in an adult and neurological changes associated with it [with summary in French]. E. Z. Neimark. Zhur. nevr. i psikh. 63 no. 2 220-224 '63.

LIPIDS

Chemiluminescence of lipids and the rate of growth of Pacific Ocean salmon. A. I. Zhuravlev, V. P. Korzhenko. Dokl. AN SSSR 152 no. 4:457-460 S '63

Lipid model of radiation injury and antiradiation prophylaxis [with summary in English]. A. I. Zhuravlev. Trudy MOIP. Otd. biol. 7:93-101 '63.

Sudan staining of lipids and lipoproteins. G. G. Nepriakhin. Arkh. pat. no. 2 77-79 '63

LIPOPROTEINS

Localization of primary reactions of radiation injury in submicroscopic tissue structures [with summary in English]. A. I. Polivoda, E. N. Sekamova. Trudy MOIP. Otd. biol. 7:122-126 '63

Sudan staining of lipids and lipoproteins. G. G. Nepriakhin. Arkh. pat. no. 2:77-79 '63.

LIPS—CANCER

Staining of regional lymph nodes of the neck before their excision in cancer of the lower lip as a method of detection of metastases. M. A. Mustafin. Kaz. med. zhur. no. 2:41-47 Mr-Ap '63.

LIQUID FUELS—COMBUSTION

Effect of certain factors on the combustion process of liquid fuel. V. IA. Konfukh. Met. i gornorud. prom. no. 5:90-91 S-O '63.

LIQUID LEVEL INDICATORS

C

722-705 O - 64 - 17

LIQUIDS

Shakhparonov, M. I. [Methods of studying the thermal motion of molecules and the structure of liquids] Metody issledovaniia teplovogo dvizheniia molekul i stroeniia zhidkostei [Moskva] Izd-vo Mosk. un 1953 280 p

LIQUIDS—ACOUSTIC PROPERTIES

Amplification of collective oscillations in quantum liquids [with summary in English] I. A. Akhiezer. Ukr. fiz. zhur. 8 no. 8 821-829 Ag '63

Collective oscillations in a mixture of Fermi and Bose liquids [with summary in English] I. A. Akhiezer. Ukr. fiz. zhur. 8 no. 8 819-820 Ag '63

LIQUIDS—VIBRATION

Approximate method for calculating the natural vibrations of a liquid in vessels of arbitrary shape and determining the Zhukovskii potentials for these vessels. V. A. Petrov. Zhur. vych. mat. i mat. fiz. 3 no. 5 958-961 S-O '63

LISKI—DIESEL LOCOMOTIVES—INSPECTION

Organization of the technical inspection of diesel locomotives at the Liski Station. V. S. Zhinkin. Elek. i tepl. tiaga 7 no. 10, 4-7 O '63.

LISTERELLA

Characteristics of the sensitivity of Listeria to some antibiotics [with summary in English]. IU. Odintsov. Trudy TomNIIVS 12 85-87 '60.

Use of cortisone to decrease the resistance of white mice to Listeria [with summary in English]. A. A. Tripolitova. Trudy TomNIIVS 12 178-183 '60

LISTERIOSIS

Determination of the sensitivity of Listeria to antibiotics by the method of paper disks [with summary in English]. A. Zaitseva, V. Akishina. Trudy TomNIIVS 12 88-90 '60.

Materials on the desiccation of agglutinative listeriosis serum [with summary in English]. L. A. Burenkova. Trudy TomNIIVS 12 266-269 '60.

Role of some protective mechanisms of the organism in listeriosis. A. A. Tripolitova. Trudy TomNIIVS 12 79-84 '60

LITERARY MUSEUMS

(see also subdivision under Latvia, Moscow, Muranovo, Tatar A. S. S. R.)

Academic work of literary museums. N. P. Loshchinin. Trudy NIIM 6 142-219 '61

Broadening academic work in museums. L. A. Il'in. Trudy NIIM 6 119-121 '61

Methods and practices of tours in literary museums. V. K. Ezhova. Trudy NIIM 6 122-141 '61

Principal types of museum materials and their role in literary displays. IU. I. Levina. Trudy NIIM 6 3-19 '61

LITERARY STYLE see Style, Literary

LITERATURE—AESTHETICS

Lavretskii, A., pseud. [Aesthetic views of Russian writers] Esteticheskie vzgliady russkikh pisatelei, sbornik statei. Moskva, Goslitizdat, 1963. 301 p. [Author's real name I. M. Lavretskii]

LITERATURE—BIBLIOGRAPHY see Bibliography—Literature

LITERATURE—CLASSIFICATION

Moscow. Publichnaia biblioteka. [Library and bibliographical classification, schedules for research libraries] Bibliotechno-bibliograficheskaia klassifikatsiia, tablitsy dlia nauchnykh bibliotek. Moskva,
No. 20 [[Section] Sh. Philology. Belles lettres] [Razdel] Sh. Filologicheskie nauki. Khudozhestvennaia literatura 1963 203 p.

LITERATURE—DICTIONARIES

Timofeev, L. I., and M. P. Vengrov. [Concise dictionary of literary terms; textbook for secondary-school students] Kratkii slovar' literaturovedcheskikh terminov, posobie dlia uchashchikhsia srednei shkoly. Pod obshchei red. L. I. Timofeeva. Izd. 4., ispr. i dop. Moskva, Uchpedgiz, 1963. 192 p.

LITERATURE—HISTORY AND CRITICISM

A book by a historian and critic. B. Zingerman. Nov. mir 39 no. 1:262-267 Ja '63.

Debate about the nature of the novel. V. Dneprov. Zvezda no. 7:183-186 Jl '62

On revisionism in literature and art. M. S. Grigor'ev. Uch. zap. Tash. teatr. -khud. inst. no. 5:5-26 '62.

Principles for writing the history of world literature. I. G. Neupokoeva. Izv. AN SSSR. Ser. lit. i iaz. 22 no. 5 373-385 S-O '63.

Shamrai, A. P. [Selected articles and studies] Vybrani statti i doslidzhennia. Kyiv, Derzhlitvydav URSR, 1963. 317 p.

LITERATURE—HISTORY AND CRITICISM—BIBLIOGRAPHY see Bibliography—Literature—History and criticism

LITERATURE—PHILOSOPHY

[For high principles in literature and art, according to materials from the foreign press] Za vysokuiu ideinost' v literature i isskustve, po materialam zarubezhnoi pechati. Moskva, Izd-vo inostr. lit-ry, 1963. 527 p.

Reliable compass. IU. Zubov. Bibliotekar' no. 9 4-6 S '63

LITERATURE—STUDY AND TEACHING

Nikol'skii, V. A. [Teaching of literature in secondary schools, teachers' aid] Prepodavanie literatury v srednei shkole, posobie dlia uchitelia. Izd. 2., dop. Moskva, Uchpedgiz, 1963. 280 p.

LITERATURE, ANCIENT

Brief notes on books. Vest. vys. shkoly 33 no. 10 93-96 O '63.

LITERATURE, COMPARATIVE—ARMENIAN AND RUSSIAN

Mkrtchian, L. M. [Avetik Isaakian and Russian literature] Avetik Isaakian i russkaia literatura. Erevan, Armianskoe gos. izd-vo, 1963. 242 p.

LITERATURE, COMPARATIVE—BULGARIAN AND RUSSIAN

Mladen Isaev and Soviet poetry. IU. A. Levshina. Izv. AN SSSR. Ser. lit. i iaz. 22 no. 5 397-402 S-O '63.

LITERATURE, COMPARATIVE—LATVIAN AND CZECH

From the history of Latvian-Czech literary ties. G. Matskov. Lit. slav. nar. 8 220-223 '63.

LITERATURE, COMPARATIVE—RUSSIAN AND CZECH

Jan Kollar and Russian-Czech literary ties in the first half of the 19th century. A. A. Zaitseva. Lit. slav. nar. 8 99-141 '63.

Remarks on the study of Russian-Czech and Russian-Slovak literary ties. L. S. Kiskin. Lit. slav. nar. 8 70-98 '63.

LITERATURE, COMPARATIVE—RUSSIAN AND SLOVAK

Remarks on the study of Russian-Czech and Russian-Slovak literary ties. L. S. Kiskin. Lit. slav. nar. 8 70-98 '63.

LITERATURE AND MUSIC see Music and literature

LITERATURE AND RADIO see Radio and literature

LITHIUM

(see also subdivision under Searles Lake region, Transbaikalia)

Levels in the Li^7 nucleus appearing in its photodisintegration. L. A. Kul'chitskii and others. Izv. AN SSSR. Ser. fiz. 27 no. 11 1412-1418 N '63.

Rate of reaction between ethyllithium and alkyl chlorides as a function of C - Cl bond energy. F. S. D'iachkovskii, A. E. Shilov, L. I. El'terman. Kin. i kat. 4 no. 4. 644-647 Jl-Ag '63.

LITHIUM HALIDES

Molecular compounds of lithium halides with acetic acid. E. IA. Gorenbein, A. A. Fominskaia. Ukr. khim. zhur. 29 no. 8 874-876 '63.

Study of the viscosity of aqueous solutions of LiCl, LiBr, and $CaCl_2$ suitable for the conditions of drying of gases. S. A. Bogatykh, I. D. Evnovich. Zhur. prikl. khim. 36 no. 8 1867-1868 Ag '63.

LITHIUM IODIDE CRYSTALS—SPECTRA

Radioluminescence of activated lithium iodide single crystals. G. A. Mikhal'chenko, L. K. Karpov. Opt. i spektr. 15 no. 4 490-493 O '63.

LITHUANIA—FEEDING—EQUIPMENT AND SUPPLIES

Distributing feeds through pipes. M. Reznikovich. Tekh. v sel'khoz. 23 no. 8, 33-34 Ag '63.

LITHUANIA—GEOLOGY

Lietuvos TSR Mokslu Akademija, Vilna, Geologijos ir geografijos institutas. [Problems of geology in Lithuania] Voprosy geologii Litvy. Pod red. A. A. Grigialisa i V. N. Karataiute-Talimaa. Vil'nius, 1963. 623 p. [In Russian with summaries in Lithuanian and English]

LITHUANIA—GLIDING AND SOARING

Road to victory. A. Vinokurov. Kryl. rod. 14 no. 10. 30-31 O '63.

LITHUANIA—JUSTICE, ADMINISTRATION OF

Klimka, Alfonsas. [Soviet socialist justice] Tarybinis socialistinis teisetumas. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1963. 73 p. [In Lithuanian]

LITHUANIA—RELIGION

Against the remnants of religion. A. Barkauskas. Polit. samoobr. 7 no. 7:27-28 Jl '63.

LITHUANIA—RETAIL TRADE—ACCOUNTING

Let's reduce shortages. B. Shapiro. Sov. potreb. koop. 7 no. 8:34-37 Ag '63.

LITHUANIA—WELDING

Sixth Conference on Welding in the Lithuanian S. S. R. A. Z. Glebov. Svar. proizv. no. 10:44-45 O '63.

LITHUANIAN LITERATURE

Kolsakas, Kostas. [The friendship of literatures] Literatūrų draugystė; studijos, straipsniai, pranešimai, kalbos, atsiminimai. Vilnius, Valstybine grozines literatūros leidykla, 1962. 1 v. [In Lithuanian] (MH)

LITTER (BEDDING)

Winning peat for fertilizing and bedding. D. S. Ibragimov. Zemledelie 25 no. 10 64-66 O '63.

LIUBIMOV, NIKOLAI MATVEEVICH, 1852-1906

Scientific and civic activity of Professor N. M. Liubimov (1852-1906) on the 110th anniversary of his birth. A. G. Neplakhin. Kaz. med. zhur. no. 2 84-87 Mr.-Ap. '63

LIVER

Antitoxic function of the liver in pyoinflammatory processes in patients treated with penicillin. N. P. Medvedev. Kaz. med. zhur. no. 1 71-75 Ja.-F. '61.

Effect of muscular activity on the cholesterol content of the liver [with summary in English]. S. K. Popova. Ukr. biokhim. zhur. 31 no. 2 270-271 '59.

LIVER—DISEASES

Book reviews. Zdravookhranenie 6 no. 3, 61-62 My.-Je. '63.

Experimentally induced changes of the type of infectious encephalomyelitis of horses in the liver of laboratory animals. IA. E. Kolliakov, L. M. Pichugin. Trudy Mosk. vet. akad. 12:192-206 '56.

Importance of determining bile acids in blood serum for the diagnosis of aborted forms of hepatitis. V. I. Pleshkov, A. P. Sokolovskaia. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 26-27 '61

Protein formula and prothrombin in the blood plasma in hepatitis and osteomalacia. D. G. Vardosanidze. Veterinariia 37 no. 2:62-63 F '60

LIVER—RUPTURE

Experimental use of a test puncture for timely diagnosis of a liver rupture in horses in the practice of serum production [with summary in English]. R. P. Mashkov. Trudy TomNIIVS 12 237-241 '60

Subcapsular diphasic rupture of the liver. IU. B. Kessel'. Zdravookhranenie 6 no. 3, 58-59 My.-Je. '63.

Test puncture as a method of early diagnosis of a rupture of the liver in horses yielding therapeutic serums [with summary in English]. B. G. Tukhtinaev. Trudy TomNIIVS 12 231-236 '60

LIVER—TUBERCULOSIS

Case of tuberculosis of the liver. L. V. Maximentova. Far. med. zhur. no. 2:75-77 Mr.-Ap. '63

LIVER EXTRACT—PRESERVATION

Changes in the proteolytic activity of the ox liver ferment on the preservation conditions. P. F. Pavlovskii, L. A. Giushetskaia. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:90-92 '63.

LIVER FUNCTION TESTS

Examination of the functional state of the liver with the aid of radioactive Rose Bengal [with summary in English]. K. S. Mattiasov, V. P. Tkachev. Med. rad. 8 no. 2:3-5 F '63.

LIVERWORTS

Materials on the bryoflora of the U. S. S. R. Part 4. A new genus of the liverwort Neohattoria Kamim. K. I. Ladyzhenskaia. Dokl. AN SSSR 7 no. 10 708-710 O '63.

Materials on the mosses of the U. S. S. R. Part 3. A new genus of liverworts (Lepicolea Dum.) in the U. S. S. R. K. I. Ladyzhenskaia. Dokl. AN SSSR 7 no. 4 270-273 Ap '63.

LIZARDS see subdivision under Komodo Island

LOADING AND UNLOADING

(see also subdivision under Karelia)

Bunker-type installation for loading shavings into a motor vehicle. A. A. Podshivalov, V. I. Rodionov. Der. prom. 12 no. 8 24-25 Ag '63,

Bunkerless loading of cement into bottles. N. I. Filippov. TSement 29 no. 5:19-20 S-O '63.

Container-loading of short lumber at a lower landing. N. Varaksa. Les. prom. 40 no. 6 9-11 Je '62

Mechanization of conveying and loading work. Biul. stroi. tekh. 20 no. 10 7-8 O '63.

Unloading ships in the open sea without mooring. L. A. Smirnov. Ryb. khoz. 38 no. 11 51-58 '62.

LOADING AND UNLOADING—EQUIPMENT AND SUPPLIES

Investigating grab buckets for the removal of silage from a silo. N. M. Lukashevich. Trakt. i sel'khozmash. 33 no. 3 31-32 Mr '63.

Loading and unloading equipment for loose materials. M. P. Golovkin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10:81-88 '63.

LOADING AND UNLOADING—JOB DESCRIPTION
Introduction of the amendment to the wage schedule and occupation description of workers engaged in the maintenance of machinery while carrying out loading and unloading work. Regulation No 256/21, August 16, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar platy no. 10,6 '62.

LOBBYING see subdivision under France

LOCAL ANESTHESIA
Effect of epibulbar anesthesia on the action of miotics and mydriatics. A. V. Voino-IAsenetskaia. Uch. zap. UNIGB 5 99-108 '52.

LOCAL GOVERNMENT
An aid for district soviet deputies Part. zhizn' [Uzb.] 6 no. 2:94 F '63.
[We are the state] Gosudarstvo, eto my. Moskva, Sovetskaia Rossiia, 1963. 78 p. (MH)

LOCAL TRANSIT
Akademiia stroitel'stva i arkhitektury SSSR. TSentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture. [City planning and transportation; effect of the movement of traffic on the design of central regions of the United States and England] Planirovka gorodov i transport; vliianie transportnogo dvizheniia na planirovku tsentral'nykh raionov SShA i Anglii. Moskva, Gosstroiizdat, 1963. 118 p. (Its Opyt zarubezhnogo stroitel'stva, no. 7)
City sprinters. IU. Galonen. Tekh. mol. 31 no. 8:1-2 '63.

LOCKJAW see Tetanus

LOCOMOTIVE WORKS see subdivision under Kolomna

LOCOMOTIVES
Effect of the stiffness of the superstructure, spring sag and certain tolerances in repairing on the weight on the rails of the locomotive. M. L. Korotenko. Trudy DIIT no. 24,72-105 '54.
Experimental use of antifriction polymeric materials on locomotives. Sh. M. Bilik and others. Trudy TSNII MPS no. 267 46-59 '63.

LOCOMOTIVES—FRAMES
Dynamic strength of the bar framework of locomotives. IA. N. Garkavi. Trudy DIIT no. 24:18-31 '54.
Effect of bolt holes on the stresses in the bar framework of locomotives. IA. N. Garkavi. Trudy DIIT no. 24:32-36 '54.
Static and dynamic strength tests of locomotive frames. S. F. Markovich. Trudy DIIT no. 24:37-62 '54.
Technological and working stresses in the frame of the FD locomotive. V. A. Lazarian, E. Z. Voskoboinik, IA. N. Garkavi. Trudy DIIT no. 24:5-17 '54.

LOCUSTS
(see also subdivision under Chimkent Province; Kazakhstan)
Postembryonic changes in the functional characteristics of the wing muscles of the Asiatic migratory locust. I. V. Chudakova. Dokl. AN SSSR 152 no. 6:1490-1493 O '63.

LOCUSTS—BIOLOGICAL CONTROL see subdivision under Kazakhstan

LOESS
(see also subdivision under Kugart Valley, Ob' Valley; Tomsk region)
Calculation of natural foundations for structures to be built on loess. B. I. TSIanchik. Trudy NIIZHT no. 28:77-82 '62.

LOGIC, SYMBOLIC AND MATHEMATICAL
John Rosse's formula in structures with relative pseudocomplements. L. V. Kazarian. Trudy Vych. tsentra no. 1:7-12 '63.
The quasi-nonrepetitional nature of relay-contact networks [with summary in English]. P. Khanko. Izv. AN Est. SSR Ser. fiz. -mat. i tekh. nauk 12 no. 3:244-262 '63.
Some distinctions between fundamental and subordinate variables in mathematical logic languages. I. D. Zaslavskii. Trudy Vych. tsentra no. 1:13-29 '63.

LOMBARDY—HISTORY—SOURCES
"Acts of the Cremona region collected by the Academy of Sciences of the U. S. S. R." Reviewed by E. V. Bernadskaia. Sred. veka no. 24:272-275 '63.

LOMONOSOV, MIKHAIL VASIL'EVICH, 1711-1765
M. V. Lomonosov, the genius of the Russian nation. F. D. Ovcharenko. Dop. AN URSR no 12:I-IV '61.
The private libraries of three Russian writers (Lomonosov, Pushkin, M. Gor'kii). P. N. Berkov. Kniga; issl. i mat. 8:349-376 '63.
The titan of Russian science. O. Danylov. Ukraina no. 21:7-8 N '61.
Work of M. V. Lomonosov in the field of fiber and dry goods production from glass. V. I. Shtarkov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 4:165-167 '63.

LONGEVITY
Leont'eva, L. P. [Old age retreats] Starost' otstupaet. Alma-Ata, Kazgosizdat, 1963. 197 p.
Nagornyi, A. V., V. N. Nikitin, and I. N. Butankin. [Problems of aging and longevity] Problema starenifa i dolgoletiia. Pod obshchei red. V. N. Nikitina. Moskva, Medgiz, 1963. 754 p.
Problems of longevity. D. Maiceev. Teor. i prak. fiz. kul't. 26 no. 1:11-18 Ja '63.

LONGSHOREMEN see subdivision under Odessa

LOOMS
(see also subdivision under Great Britain)
Betekhtin, G. A., and V. P. Novikov. [Use of removable twine heralds in the handlooming of rugs] Primenenie s"emnykh nitianykh galev remiza v ruchnom kovrotkachestve. [Moskva] Gosmestpromizdat, 1962. 5 p. [MICROFILM]

LOOMS—ELECTRIC DRIVING
Studying the electric driving of the P-105 make pneumatic loom. M. I. Kulikov, O. V. Fedotov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 4:122-125 '63.

LOOMS—TESTING
Investigating the state of stress of the elements of the batten and shuttle protection mechanisms during the impact on the frogs of the loom. I. A. Martynov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 4:143-152 '63.

LOSENKO, ANTON PAVLOVICH, 1737-1773
Kaganovich, A. L. [Anton Losenko and Russian art of the middle of the 18th century] Anton Losenko i russkoe iskusstvo serediny XVIII stoletiia. Moskva, Izd-vo Akad. khudozh. SSSR, 1963. 318 p.

LOVOZERO TUNDRAS—HYDROTHORITE
Hydrothorite in the pegmatites of the Lovozero alkali tundras. E. I. Semenov, M. E. Kazakova. Trudy IMGRE no. 7:123-129 '61.

LOVOZERO TUNDRAS—PEGMATITES
Zirconium opals from alkali pegmatites. E. I. Semenov, M. E. Kazakova. Trudy IMGRE no. 7:96-99 '61.

LOVOZERO TUNDRAS—ROSENBUSHCHITE
Zirkelite and rosenbushchite from contact-metasomatic rocks in the Lovozero Tundras. E. I. Semenov, G. G. Kochemasov, A. V. Bykova. Trudy IMGRE no. 15:106-109 '63.

LOVOZERO TUNDRAS—ZIRCONIUM
Zirconium opals from alkali pegmatites. E. I. Semenov, M. E. Kazakova. Trudy IMGRE no. 7:96-99 '61.

LOVOZERO TUNDRAS—ZIRKELITE
Zirkelite and rosenbushchite from contact-metasomatic rocks in the Lovozero Tundras. E. I. Semenov, G. G. Kochemasov, A. V. Bykova. Trudy IMGRE no. 15:106-109 '63.

LOW TEMPERATURE RESEARCH
All-Union Conference on Low Temperature Research. A. F. Andreev, L. A. Fal'kovskii. Vest. AN SSSR 33 no. 10,99-100 O '63.

LOYANG, CHINA—TRACTOR INDUSTRY
At a tractor factory. Wang Hsing-Hsueh. Vsem. prof. dvizh. no. 10:21-22 O '63.

LUBKIN, OLEKSII DMYTROVYCH, 1880-1962
The brothers S. D. and O. D. Lubkin. Zbir. prats Zool. muz. AN URSR no. 32:92-93 '63.

LUBKIN, SEMEN DMYTROVYCH, 1883-1944
The brothers S. D. and O. D. Lubkin. Zbir. prats Zool. muz. AN URSR no. 32 92-93 '63.

LUBRICATION AND LUBRICANTS
Effect of sulfur content in oil on the wettability and seizing of metallic friction surfaces. G. P. Sharonov, V. A. Prusov. Izv. vys. ucheb. zav.; mashinostr. no. 7:190-196 '63.
Motor oils and preservative oils. IU. N. Shekhter, L. D. Khoroshilova. Khim. i tekh. topl. i masel 8 no. 9:42-46 S '63.
Protection of ship mechanisms by liquid inhibited lubricants. I. Gerasimov, K. Nasonov, V. Putilov. Mor. flot 23 no. 8:21-22 Ag '63.
Study of inorganic salts with the purpose of using them as high-temperature lubricants. M. M. Fialko, A. I. Dintses. Khim. i tekh. topl. i masel 8 no. 10:22-26 O '63.

LUBRICATION AND LUBRICANTS—ADDITIVES
Effect of pro- and antioxidants on the lubricating action of mineral oils. G. V. Vinogradov, Lian Go-ling [Liang kuo-ling], N. T. Pavlovskaia. Neftekhimiia 1 no. 3:427-432 My-Je '61.
Effect of the alkalinity of oils with additives on engine wear. E. N. Firsanova, S. G. Arabian, M. M. Ozhogina. Khim. i tekh. topl. i masel 8 no. 8:59-64 S '63.
Peculiarities of the joint action of air (molecular oxygen) and thio-, phosphorus- and chloroorganic compounds as additives to mineral oils of different viscosities. G. V. Vinogradov and others. Neftekhimiia 1 no. 3:433-443 My-Je '61.

LUGANSK PROVINCE—AUDITING AND INSPECTION
Militant aids of Soviet statisticians. D. Vertikov, V. Bredov. Vest. stat. no. 10:68-69 '63.

LUGANSK PROVINCE—AUXILIARY POLICE
A settlement without a police station. B. Sosnovs'kyi. Ukraina no. 13:32-3 of cover Je '61.

LUGANSK PROVINCE—COAL MINES AND MINING—HYGIENIC ASPECTS
Without industrial accidents. P. Fenchenko. Okhr. truda i sots. strakh. 6 no. 11:25 N '63.

LUKOV, LEONID DAVYDOVICH, 1909-1963
Word about a friend. Mark Donskoi. Isk. kino 33 no. 7:68-69 '63.

LUMBER—DRYING
Device for reversing the circulation of air in drying chambers. L. A. Kuznetsov. Der. prom. 12 no. 8:26-27 Ag '63.
High-speed wood drying. S. N. Chashchegorov. Biul. tekh. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekh. inform. 16 no. 10:66-67 '63.

LUMBER—GRADING
Automatically controlled sorting device with a relay channel. A. M. Klitakov. Les. prom. 40 no. 5:3-5 My '62.

LUMBER—TRANSPORTATION
(see also subdivision under Chusovaya River; Irkutsk region; Karelia)
Choker with a universal lock. N. Shoshin, B. Emel'ianov. Les. prom. 40 no. 5:18 My '62.
Container-loading of short lumber at a lower landing. N. Varaksa. Les. prom. 40 no. 6:9-11 Je '62.
Efficient method for binding bundles. M. G. Rakhmatullin. Les. prom. 40 no. 5:17 My '62.
Mechanization of the formation of lumber bundles. I. Sh. Abiarov. Les. prom. 40 no. 6:7-9 Je '62.
Prolong the time of serviceability for floating equipment. B. A. Solov'ev. Les. prom. 40 no. 6:16-17 Je '62.
Strap-containers for round lumber. A. N. Artamonychev, N. S. Vakhitov. Les. prom. 40 no. 5:18 My '62.
Voevoda, D. K., and M. M. Pomerantsev. [Self-loaders and their performance at lower timber landings and timber transshipment bases] Avtopogruzchiki, ikh rabota na nizhnikh lesnykh skladakh i lesoperevalochnykh bazakh. Moskva, Goslesbumizdat, 1962. 53 p.

LUMBER YARDS—FIRES AND FIRE PREVENTION
Drying of lumber in package piles. I. Nosov. Pozh. delo 8 no. 9:14 S '62.

LUMBERING
(see also subdivision under Soviet Far East; Syktyvkar region; Tosno region)
Buffer stock of trees on a bucking platform. K. S. Sirotin. Les. prom. 40 no. 5:6-7 My '62.
A complex enterprise should work out a comprehensive plan. A. A. Rodigin. Les. prom. 40 no. 5:24-25 My '62.
Organization of work in roadsteads and lumber yards. M. A. Koval'chuk. Bum. prom. 38 no. 10:18-19 O '63.
Tasks of summer work. Les. prom. 40 no. 5:1-2 My '62.

LUMBERING—EQUIPMENT AND SUPPLIES
Automatic volume meter for round lumber. V. F. Shalavin. Les. prom. 40 no. 5:7-8 My '62.

LUMBERING—FINANCE
Change the procedure for planning capital investments. M. V. Latko, S. A. Krasavin. Les. prom. 40 no. 6:23-24 Je '62.

LUMBERING—MACHINERY
(see also subdivision under Maikop, North America; Solombala)
What the Leningrad designers are working on. S. IA. Novikov. Les. prom. 40 no. 6:22 Je '62.

LUMBERING—RESEARCH
Apparatus for studying work conditions. E. I. Gol'dman. Les. prom. 40 no. 5,20 My '62.

LUMBERMEN
Raising the cultural and technological level of lumbermen. R. A. Korenchenko. Les. prom. 40 no. 5:22-24 My '62.

LUMINESCENCE
Effect of secondary processes on the law of luminescence damping of uranyl compounds. D. S. Umreiko. Dokl. AN BSSR 7 no. 4:237-239 Ap '63.
Radioluminescence of organic substances. Part 2: Duration of radiation in nonluminescent solvents. S. F. Kilin, I. M. Rozman. Opt. i spektr. 15 no. 4:494-499 O '63.

LUMPISCENCE (Continued)

[illegible] Lumpiscence [illegible] [illegible] Izd-vo Leningr. un-ta, 1963. 00-59 p. illus. bibl.

LUMINOUS BACTERIA see Bacteria, Luminous

LUMUMBA, PATRICE, 1925-1961

Gerrits, IU. V. [Stories about Patrice Lumumba] Rasskazy o Patrise Lumumbe. [Moskva] Izd-vo Detskoi lit-ry, 1963. 1 v. (Geroicheskaia biografiia)

LUNACHARSKII, ANATOLII VASIL'EVICH, 1875-1933

[illegible] Reader, Vol. 1. [illegible] 1963. 100 p. illus.

LUNGS—DISEASES

Changes in the innervation of the bronchi in lung suppuration, abstract. I. A. Zavidova. Kaz. med. zhur. no. 1:100. Ja-F '61.

Circulating blood during chronic suppurative [illegible] lungs. A. V. Efimov. Zdrav. Belorussii no. 7:76-78. Jl '63.

Lesions of the lungs in endarteritis obliterans, abstract. L. V. Dmokhin. Kaz. med. zhur. no. 1:107-108. Ja-F '61.

Role of bronchography in the diagnosis of nonspecific pulmonary suppuration. I. S. Miloslavskii. Kaz. med. zhur. no. 1:24-25. Ja-F '61.

[illegible] of bronchography. [illegible] Buranbaev. Kaz. [illegible] no. 2:25-28. Mr-Ap '61.

LUNGS—DUST DISEASES

[illegible] Reader, edited by A. V. Ozerov. Moskva, Medgiz, 1963. 287 p. illus.

LUNGS—RADIOGRAPHY

Efimkin, V. IA. [Anatomicofunctional foundations of the X-ray picture of the lungs] Anatomo-funktsional'nye osnovy rentgenologicheskogo izobrazheniia legkikh. Moskva, Medgiz, 1963. 189 p. (DNIM)

LUNGS—SURGERY

Pulmonary [illegible] bronchial stump following pneumo- [illegible] in tuberculosis. V. G. Dushman. Trudy mol. nauch. sots. MONIKI no. 1:10-11. '59.

Prolonged [illegible] by the bronchus leading to lung [illegible]. M. [illegible]. Kaz. med. zhur. no. 2:72-74. Mr-Ap '61.

LUNGS—WOUNDS AND INJURIES

[illegible] of the chest of the lungs. B. F. Gurevich. Trudy mol. nauch. sots. MONIKI no. 1:39-34. '59.

LUPINE

Change in the composition and content of alkaloids in the blue lupine (Lupinus angustifolius) during its growth and development. A. V. Mironenko, G. I. Spiridonova, and A. V. Shabar. Dokl. AN BSSR 7 no. 4:262-265. Ap '63.

LUPUS

Complex and treatment of lupus erythematosus. K. T. [illegible]. Kaz. med. zhur. no. 1:57-60. Ja-F '61.

LUPUS ERYTHEMATOSUS

Mental disorders in systemic lupus erythematosus [with summary in French]. V. L. TSeitlin. Zhur. nevr. i psikh. 63 no. 2:254-262. '63.

LUTSEVICH, IVAN DOMINIKOVICH, 1882-1942

Lutsevich, Ivan, on the eightieth anniversary of his birth. V. Tilitskaia. Zdravookhranenie no. 7:196-198. Jl '62.

LVOV—FURNITURE INDUSTRY

Work practices of the Lvov furniture firm "Karpaty." [illegible] Kolomyia. Der. prom. 12 no. 8:3-5. Ag '63.

LVOV PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Zemlienko, D. A. [Allow a wide road for voluntary party-political] Obespechestvennym nachalam — shirokuiu dorogu. Moskva, Politizdat, 1963. 59 p. (Voprosy partiinogo stroitel'stva)

LVOV PROVINCE—COOPERATIVE SOCIETIES

Economic advantages of large cooperative societies. D. Shevchenko. Sov. potrebkoop. 7 no. 8:30-31. Ag '63.

LVOV PROVINCE—FOOD INDUSTRY

Benefits of semifinished products. Z. Shiaen. Sov. potreb. koop. 7 no. 11:26-27. N '63.

LVOV PROVINCE—SHOE INDUSTRY

Ways to improve the shoe trade. L. Kruzhkovskaia, K. Gubaeva. Sov. potreb. koop. 7 no. 11:18-20. N '63.

LVOV-VOLYN' BASIN—COAL MINES AND MINING

Introduction of auger mining in the Lvov-Volyn' Basin. S. S. Mel'nikov. Nauch. soob. IGD 18:29-38. '63.

LYGAEIDAE see subdivision under Ukraine

LYMPHATICS

Characteristics of the histological structure of lymph nodes in young cattle and swine. G. G. Tiniakov, T. A. TSiunskaia. Dokl. TSKHA no. 69:345-347. '61.

Histological investigation of lymph nodes in the fetuses of cattle and swine. G. G. Tiniakov, T. A. TSiunskaia. Dokl. TSKHA no. 69:341-343. '61.

Finding of regional lymph nodes of the neck before their excision in cancer of the lower lip as a method of detection of metastases. M. A. Mustafin. Kaz. med. zhur. no. 2:44-47. Mr-Ap '63.

LYMPHATICS—DISEASES

Use of the complement fixation test in diagnosing epizootic lymphangitis in horses. T. M. Zablotskii. Trudy Mosk. vet. akad. 12:26-36. '56.

LYMPHOMA

Experimental study of the combined action of antineoplastic antibiotics and X-ray irradiation in leukemias. I. I. Zaretskii and others. Med. rad. 8 no. 2:51-57. F '63.

LYN'KOU, MIKHAS', 1899-

Kuliashou, F. I. [Mikhas Lyn'kou, an account of his life and works] Mikhas' Lyn'kou, narys pra zhyvshchtse i tvorchasts'. Minsk, Dziarzh. vyd-va BSSR, 1961. 249 p. (InU)

LYNX

Lynx. IUn. nat. no. 2:29. F '63.

LYOPHILIZATION

Lyophiled cultures of nodule bacteria, their activity and virulency. IU. S. Borodulina. Trudy Inst. mikrobiol. no. 11:211-214. '61.

LYSENTKO, MYKOLA VITALIIOVYCH, 1842-1912

Mykola Vitaliiovych Lysenko. Ievhen Krotevych. Ukraina no. 13:25-26. Je '61.

LYSKOVO DISTRICT—COURTS

If you are guilty you must be punished. P. Smirnov. Sov. iust. no. 13:22-23. Jl '63.

LYUBAN—STARCH INDUSTRY

Lyuban Starch Factory uses a new system of operation. E. I. IUrchenko. Sakh. prom. 36 no. 9:57-59. S '62.

LYUBERTSY—INDUSTRIAL HYGIENE

One should carry things out rather than only make a note of it. S. Putnaev. Okhr. truda i sots. strakh. 6 no. 11:37-39. N '63.

LYUBERTSY—MEDICINE, INDUSTRIAL

One should carry things out rather than only make a note of it. S. Putnaev. Okhr. truda i sots. strakh. 6 no. 11:37-39. N '63.

MACARONI

Effect of the temperature and moisture of the macaroni dough on the relaxation of stresses. IU. A. Machikhin. Izv. vys. ucheb. zav., pishch. tekh. no. 1:115-119. '63.

Experiment in increasing the operational efficiency of GMP macaroni presses. S. A. Mukhina. Khleb. i kond. prom. 6 no. 1:35-38. Ja '62.

Methods for planning the level of mechanization in macaroni factories. E. A. Raitsyn, E. A. Kozlova. Khleb. i kond. prom. 6 no. 1:20-25. Ja '62.

Profitableness of macaroni products. E. A. Raitsyn, A. A. Sokolov. Khleb. i kond. prom. 7 no. 10:14-15. O '63.

Scientific and technical conference of the representatives of the macaroni industry. A. A. Bystrov. Khleb. i kond. prom. 6 no. 1:45. Ja '62.

MACEDONIAN LANGUAGE—DICTIONARIES—RUSSIAN

[Macedonian-Russian dictionary, 30,000 words] Makedonsko-russkii slovar', 30 000 slov. Sost. D. Tolovskii i V. M. Illich-Svitych pod red. N. I. Tolstogo. S prilozheniem kratkogo grammaticheskogo spravochnika, sostavlennogo V. M. Illich-Svitychem. Moskva, Gos. izd-vo inostr. i natsional'nykh slovarei, 1963. 576 p.

MACHINE ACCOUNTING

Mechanization of credit sales accounting. A. Makarenko. Sov. torg. 36 no. 8:21-24. Ag '63.

MACHINE MOLDING (FOUNDING)

Technological requirements for the mechanization of the chill casting method. A. A. Dudin. Alium. splavy no. 1:210-220. '63.

MACHINE-SHOP PRACTICE

The institute should decide the problem. I. F. Kuznetsov. Mashinostroitel' no. 11:40. N '63.

New methods for chip breaking should be used. I. D. Koponev. Mashinostroitel' no. 11:39. N '63.

MACHINE-SHOP PRACTICE—PRODUCTION STANDARDS

Technically substantiated norms for fitting and assembling. G. I. Savel'eva. Mashinostroitel' no. 11:36-38. N '63.

MACHINE-TOOL INDUSTRY—COSTS see subdivision under Siberia, Western

MACHINE-TOOL INDUSTRY—HYGIENIC ASPECTS see subdivision under Kuybyshev

MACHINE TOOLS

(see also subdivision under Alma-Ata, Bel., etc., Kishinev, Kolomna; Moscow)

Completely automatic area for machining [illegible] V. F. Shapovalov and others. Biul. tekh.-ekon. inf. Gos. nauch.-issl. inst. nauch. i tekh. inform. 12 no. 11:37-40. '63.

Device for removing burrs. A. IA. Vlkh. Mashinostroitel' no. 11:16. N '63.

New machine tools. Stan. i instr. 34 no. 9:17-[illegible]

The RF 002 and RF 003 automatic lines for completely machining of generator frames. A. I. Berezkin [illegible] ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. 16 no. 10:37-40. '63.

Semi-automatic two-position machine for machining crankshafts for combines. D. I. Romanov. Trakt. i sel'khozmash. 33 no. 3:13-15. Mr '63.

MACHINE TOOLS—ATTACHMENTS

Attachments reducing auxiliary time. A. I. [illegible] Mashinostroitel' no. 11:26-27. N '63.

Mechanized machine-tool attachments. N. I. [illegible] Stan. i instr. 34 no. 9:25-28. S '63.

Mirzoev, S. M. [Multipurpose attachments with [illegible] changeable parts used in the manufacture of [illegible] Universal'no-sbornye prisposobleniia v mekhanicheskikh [illegible] Minsk, Gos. izd-vo BSSR, 1963. 137 p.

MACHINE TOOLS—BIBLIOGRAPHY see Bibliography, Machine tools

MACHINE TOOLS—DESIGN AND CONSTRUCTION

Design of hydrostatic open guides. G. A. [illegible] Lante. Stan. i instr. 34 no. 10:7-13. O '63.

Selecting cast-iron brands for the manufacture of machine-tool base parts. O. IU. Kotsubinskii [illegible] ers. Stan. i instr. 34 no. 10:18-21. O '63.

MACHINE TOOLS—EXHIBITIONS

Exhibition of the work of the Scientific Research [illegible] and the Design Office of the State Committee [illegible] mation and Machinery Manufacture. B. L. [illegible] Trakt. i sel'khozmash. 33 no. 3:46-[illegible] '63.

MACHINE TOOLS—MAINTENANCE AND REPAIR

Murav'ev, K. N., and I. K. Muazin. [Repair of [illegible] tools] Remont metallorezhushchikh stankov. Izd. 3., perer. i dop. Moskva, Mashgiz, 1964. [illegible]

Reconditioning guides with "stiraktil." V. K. [illegible] Mashinostroitel' no. 11:12-13. N '63.

MACHINE TRANSLATING

Axiomatic description of the order and continuity [illegible] in certain types of sentences. M. I. Beletskii [illegible] Grigorian, I. D. Zaslavskii. Trudy Vych. tsentra 71-85. '63.

Konferentsiia po mashinnomu perevodu, 1958. [Abstracts of the Conference on Machine Translation] Tezisy. Moskva, I-i Moskv. gos. pedagog. in-t inostr. iazykov, 1958. 117 p.

System of machine translation of special texts [illegible] and retrieval of translated documents. I. A. [illegible] gerts. NTI no. 3:38-40. '63.

MACHINERY

Reliability indices of the operation of equipment [illegible] son. Vest. stat. no. 10:36-41. '63.

MACHINERY—ABSTRACTS

[Technology of machinery manufacture] Ref. sbor. [illegible] mashinostr. no. 11. N '63.

MACHINERY—BIBLIOGRAPHY see Bibliography, Machinery

MACHINERY—DESIGN AND CONSTRUCTION

Design of acute-angled rolling guides. V. A. [illegible] Stand. i instr. 34 no. 9:13. S '63.

Mashnev, M. M., and others. [Theory of mechanisms and machines and machine parts] Teoriia mekhanizmov i mashin. [Vladimir] Rozvuzizdat, 1963. 446 p.

MACHINERY—TESTING

Experimental method of determining contact pressures [illegible] cylindrical parts joined by tightening. G. IA. [illegible] I. I. Shat'ko. Nauch. trudy KHGI 11:81-87. '63.

MACHINERY, AUTOMATIC—PNEUMATIC DRIVES

Structural synthesis of pneumatic systems of automatic machines based on distributors with [illegible] V. P. Zenchenko. Teor. mash. i mekh. no. 62/63:143-152. '62.

MACHINERY, KINEMATICS OF—DICTIONARIES

Kinematics of mechanisms; German-English-Russian terminological dictionary. I. I. Artobolevskii [illegible] Teor. mash. i mekh. no. 94/95:54-68. '63.

MACHINERY IN INDUSTRY
Economic studies on the effective use of new machinery in industrial enterprises. N. Pozhivilova Komm. Ukr. 39 no.9 81-87 S '63.

MACHINERY INDUSTRY
(see also subdivision under Moldavia; Soviet Central Asia, White Russia)
Analysis of the economic efficiency of the reconstruction of operating enterprises. V. Vybornov. Vest. stat. no.9 13-20 '63.
Automatic line for the manufacture of fastening pins. P. M. Kolleman. Mashinostroitel' no.11:8-9 N '63.
Bessemer pig iron in the machinery industry. F. A. Mishulov, S. F. Fomin, A. I. Ustinov. Izv. vys. ucheb zav., mashinostr. no.7 174-181 '63.
Conference on interchangeability, precision and control methods in the machinery industry. I. I. Balonkina. Standartizatsiia 27 no.10 48-50 O '63.
Determination of the efficiency of the specialized manufacture of standardized parts and units. M. B. Groman, N. I. Evstiushin, P. S. Zak. Standartizatsiia 27 no.10 3-8 O '63.
Engineering laws, . . and their violators. L. Lafshits. Tekh. mol. 31 no.8:6-8 '63.
Estimating the level of the development of technological processes in mechanical processing. M. O. Iakobson, B. D. Bylov. Trakt. i sel'khozmash. 33 no.7 39-42 Jl '63.
Lipkind, L. M., and R. P. Sheinman. [Methods for preparing the production program of a machinery plant which provides for an increase in the level of serial production] Metody postroeniia proizvodstvennoi programmy mashinostroitel'nogo zavoda, sposobstvuiushchie povysheniiu urovnia serlinosti proizvodstva. Leningrad, 1960. 32 p. (Russia(1917- R.S.F.S.R.) Leningradskii ekonomicheskii administrativnyi rajon. Laboratoriia promyshlenno-ekonomicheskikh issledovanii. Trudy, no. 4)
Rapid development of the movement of inventors and efficiency experts in the heavy machinery industry of the U.S.S.R. A. V. Smirnov. Vop. ist. 38 no.10:205-208 O '63.
Standardization trend in the technological preparation of production processes. V. A. Letenko Standartizatsiia 27 no.10,55-57 O '63.
Useful book on the automation of technological processes V. V. Loskutov. Mashinostroitel' no.11:43-44 N '63.

MACHINERY INDUSTRY—ABSTRACTS
[Problems of technological progress and the organization of production in the machinery industry] Ref. zhur.: Vop. tekh. prog. i org. proizv. v mashinostr. no.11 N '63.

MACHINERY INDUSTRY—ACCOUNTING
Astashkevichor, E. T. [Accounting and the analysis of the administrative operations of a machinery manufacturing enterprise] Bukhgalterskii uchet i analiz khoziaistvennoi deiatel'nosti mashinostroitel'nogo predpriiatiia. Moskva, Mashgiz, 1963. 459 p.

MACHINERY INDUSTRY—BIBLIOGRAPHY see Bibliography—Machinery industry

MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES
(see also subdivision under Uzbekistan)
Uncover potentials for a better utilization of equipment. V. Ostapenko. Vest. stat. no.9,53-55 '63.

MACHINERY INDUSTRY—HYGIENIC ASPECTS see subdivision under Leningrad

MACHINERY INDUSTRY—MANAGEMENT
(see also subdivision under Moscow; Mytishchi, Moscow Province; Novosibirsk Province)
The fourth conference on interchangeability and control methods in the machinery industry in Leningrad. K. I. Abadzhi. Mashinostroitel' no.11:11 N '63.
Problems in proper utilization of equipment in the machinery industry. V. I. Ganshtak, K. F. Olkher. Vest. mashinostr. 43 no.10:74-78 O '63.
Public office for economic analysis. P. A. Zhukov. Vest. mashinostr. 43 no.10,71-74 O '63.
Scientific technical community takes part in production management. A. S. Levina. Mashinostroitel' no.11: 42 N '63.
Using electronic computers in the automation of production management at a machinery plant. K. A. Bagrinovskii, E. E. Bykov. Vest. mashinostr. 43 no.10:78-83 O '63.

MACHINERY INDUSTRY—STANDARDS
New machine-construction norms. Biul. strol. tekh. 20 no.8:21-22 Ag '63.
Standards for the machinery industry. Standartizatsiia 27 no.8:60-61 Ag '63.

MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Czechoslovakia; Leningrad

MACHINERY INDUSTRY WORKERS see subdivision under Perm

MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING see subdivision under Leningrad, Moscow; Taganrog

MACKEREL see subdivision under Japan, Sea of

MACROMOLECULES
Properties by order. O. IAsenev. Nauka i zhyttia 12 no.3:18-19 Mr '63.

MAGMA
(see also subdivision under Avacha Volcano)
Water content and other volotile components of natural melts and their importance in igneous processes. F. Sh. Radzhabov, I. M. Mirkhodzhaev. Uzb. geol. zhur. 7 no.3,19-25 '63.

MAGNESIUM
Photometric determination of magnesium in raw materials and clinkers. L. V. Bogdanova. TSement 29 no.1, 11-13 Jl-Ag '63.

MAGNESIUM—ANALYSIS
Complexometric methods of determining the calcium and magnesium content in sheep's milk [with summary in English]. G. Kolinkova. Vop. pit. 22 no.1,62-65 Ja-F '63.

MAGNESIUM—METALLOGRAPHY
Microscopy of the development of slip lines in iron and magnesium during fatigue tests. Report no.2, N. E. Potakhin, IU. S. Terminasov. Fiz. met. i metalloved. 16 no.3:491-493 S '63.

MAGNESIUM ALLOYS—METALLOGRAPHY
Effect of thorium and zinc on the recrystallization of magnesium. M. P. Drits and others. Izv. AN SSSR Met. i gor. delo no.5:129-133 S-O '63.

MAGNESIUM FOUNDING
Cleaning aluminum and magnesium alloy castings with aluminum sand. A. I. Vasilisikova, M. M. Devkin. Alium. splavy no.1:226-229 '63.

MAGNESIUM ORGANIC COMPOUNDS
Interaction of organomagnesium compounds with alkyl halides in a dimethoxyethane solution. L. I. Zakharkin, K. A. Bilevich, O. IU. Okhlobystin Dokl. AN SSSR 152 no.2:338-341 S '63.
Obtaining sulfides and sulfoxides by the action of thionyl chloride on mixed organomagnesium compounds. N. P. Volynskii, G. D. Gal'pern, V. V. Smolianinov. Neftekhimiia 1 no.4:473-481 Jl-Ag '61.
Oxidation of diphenylzinc and diphenylmagnesium. G. A. Razuvaev and others. Zhur. ob. khim. 33 no.10,3358-3360 O '63.

MAGNETIC AMPLIFIERS
Integrating magnetic amplifier with large time constant [with summary in English]. S. B. Negnevitskii. Avtom i telem. 24 no.10:1397-1404 O '63.
Negative feedback in magnetic amplifiers. V. D. Urin. Elektrichestvo no.10,46-51 O '63.
Sobolevskii, A. G. [What is a magnetic amplifier?] Magnitnyi usilitel' — chto eto takoe? Moskva, Gosenergoizdat, 1963. 14 p. (Massovaia radiobiblioteka, no.482)

MAGNETIC ANOMALIES
Determining the depth to the surface of perturbing masses by magnetic and gravitational observations. A. IA. IArosh. Geofiz. razved. no.12,48-50 '63.

MAGNETIC CIRCUITS
Calculation of the permeance of an inductive transducer with complex configuration. Z. T. Tikhomirova, V. P. Bukhgol'ts. Elektrichestvo no.11,72-75 N '63.
Geometry of the magnetic systems of induction clutches and brakes T. A. Shchetinin. Elektrotekhnika 34 no.9:40-44 S '63.
Hysteresis-type storage counter [with summary in English]. R. A. Lipman. Avtom. i telem. 24 no.10 1405-1413 O '63.

MAGNETIC FIELDS
(see also subdivision under Atlantic Ocean)
Absorption of the energy of a high-frequency field by a plasma in the case of multiple ionic gyroresonance. V. V. Dolgopolov, K. N. Stepanov. Zhur. tekh. fiz. 33 no.10:1196-1199 O '63.
Calculating the magnetic field of a cylindrical conductor of elliptic cross section. N. I. Doinikov. Zhur. tekh. fiz. 33 no.9 1144-1146 S '63.
Effectiveness of a magnetic field in the thermomagnetic treatment of Alnico-type alloys. E. G. Povolotskii, IA. M. Dovgalevskii, V. K. Baitina. Metalloved. i term. obr. met. no.11:10-14 N '63.
Extraction of particles from a strong-focusing synchrotron by means of an azimuthally periodic perturbation of the magnetic field. I. A. Shukeilo. Zhur. tekh. fiz. 33 no.10:1227-1231 O '63.
Formation of short-front pulses of a magnetic field in inductor and deflector devices Part 1 [with summary in English]. I. O. Hryshaiev, O. H. Il'in, O. M. Shendero vych. Ukr. fiz. zhur. 8 no.8,861-868 Ag '63.
Formation of short-front pulses of a magnetic field in inductor and deflector devices. Part 2 [with summary in English]. I. O. Hryshaiev, O. H. Il'in, O. M. Shenderovych. Ukr. fiz. zhur. 8 no.8 869-876 Ag '63.
Hall effect in indium antimonide in high pulsed magnetic fields. Kh. I. Amirkhanov, R. I. Bashirov, Z. A. Ismailov. Fiz. tver. tela 5 no.10 2832-2834 O '63.
Intensity of magnetization of the MnAu2 intermetallic compound in pulsed super-high magnetic fields. E. A. Zavadskii, I. G. Fakidov. Fiz. met. i metalloved. 12 no.6 832-837 D '61.
Interaction of plasma bunches with an axially symmetric magnetic field K. D. Smel'nikov and others. Zhur. tekh. fiz. 33 no.10 1159-1168 O '63.
Motion of a charged particle in a helical cubic straight magnetic field [with summary in English] IU. I. Orlov. Zhur. eksp. i teor. fiz. 45 no.3 932-937 O '63.
Motion of electrons in a space-periodical helical magnetic field R. A. Demirkhanov and others Zhur. tekh. fiz. 33 no.9 1098-1103 S '63.
Plasma decomposition in a toroidal magnetic field V. E. Golant, O. B. Danilov, A. P. Zhilinskii. Zhur. tekh. fiz. 33 no.9 1043-1051 S '63.
Quasi-classical scattering in a centrally symmetric field [with summary in English] A. Z. Patashinskii, V. L. Pokrovskii, I. M. Khalatnikov. Zhur. eksp. i teor. fiz. 45 no.4 960-1002 O '63.
Recombination radiation in the diffusion break-up of a plasma in a magnetic field G. L. Khorasanov Zhur. tekh. fiz. 33 no.10 1193-1195 O '63.
Simplified design and calculation of magnetic apparatus for water treatment without reagents. I. F. Vadash, P. A. Sobolev. Leh. prom. no.3 32-34 Jl-S '63.
Solution of a nonlinear equation describing the decomposition of a plasma in a magnetic field V. E. Golant, G. A. Grinberg. Zhur. tekh. fiz. 33 no.9 1139-1141 S '63.
Stability of a conducting plasma column in a magnetic field. IU. V. Vandakurov. Prikl. mat. i mekh. 27 no.1:46-51 Ja-F '63.
Stability of an inhomogeneous magnetized plasma. IU. N. Dnestrovskii, D. P. Kostomarov Zhur. vych. mat. i mat. fiz. 3 no.5 905-911 S-O '63.
Stabilization of a current-carrying cylinder by means of a high-frequency magnetic field. N. A. Bobylev, O. I. Fedianin. Zhur. tekh. fiz. 33 no.10 1187-1192 O '63.
Theory of radiative damping of radial oscillations of an electron in a magnetic field [with summary in English]. S. A. Kheifets, IU. I. Orlov. Zhur. eksp. i teor. fiz. 45 no.4,1225-1229 O '63.
Theory of the motion of charged particles in a strong magnetic field in the presence of a strong transverse electric field. V. S. Kudriavtsev. Dokl. AN SSSR 152 no.2:313-316 S '63.
Θ-pinch plasma in a magnetic net. IA. I. Volkov, V. T. Tolok, S. M. Krivoruchko Zhur. tekh. fiz. 33 no.9 1093-1097 S '63.
Turbulent diffusion of a rarefied plasma in a high magnetic field [with summary in English]. B. B. Kadomtsev. Zhur. eksp. i teor. fiz. 45 no.4 1230-1242 O '63.
Typical structure of a toroidal magnetic field [with summary in English]. A. I. Morozov, L. S. Solov'ev. Zhur. eksp. i teor. fiz. 45 no.4:965-969 O '63.

MAGNETIC FIELDS—INDUSTRIAL APPLICATIONS
Muisenek, K. IA., and E. Z. Rozental' [Use of magnetic methods in assembly work] Primenenie magnitnykh metodov pri sborke izdelii. Leningrad, 1963 16 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Mekhanicheskaia obrabotka metallov, no.11)

MAGNETIC FIELDS (COSMIC PHYSICS)
Effect of a radial magnetic field on cosmic ray diffusion. V. I. Shishov. Geomag. i aer. 3 no.4 598-603 Jl-Ag '63.

MAGNETIC INSTRUMENTS
Design of cylindrical magnetic systems with permanent magnets. V. A. Tokmakov. Trudy Inst. fiz. Zem. no.26:62-61 '63.
Without fulcrum, without weight, and without friction. M. Konstantinovskii. Znan.-sila 38 no.5 44-46 My '63.

MAGNETIC MATERIALS
Degree of magnetization of thin ferromagnetic films at low temperatures [with summary in English]. V. IA. Demikhovskii, B. A. Tavger. Zhur. eksp. i teor. fiz. 45 no.4:1156-1158 O '63.
Effect of spin-phonon interaction in ferromagnetics on the Debye-Waller factor. V. N. Kashcheev. Kristallografiia 8 no.3:333-337 My-Je '63.
Temperature study of Mössbauer spectra on Fe^{57} and Sn^{119} nuclei in the antiferromagnetic compound $FeSn_2$. V. I. Nikolaev, IU. I. Shcherbina, S. S. IAkimov. Zhur. eksp. i teor. fiz. 45 no.4 1277-1280 O '63.

MAGNETIC MEASUREMENTS

[illegible] [illegible] V S Pr[illegible] [illegible]

[illegible] analytical [illegible] B V, Fomorattev, [illegible] 1-44 [illegible] '63.

MAGNETIC MEMORY (COMPUTERS)

[illegible] drum of the [illegible] P Meshkova [illegible] inform, Gos nauch.-issl [illegible] 15 no 10 47-49 '63.

[illegible] F F Balasov, [illegible] prib. [illegible] no. 5 30-36 '63.

MAGNETIC RECORDERS AND RECORDING

Adjustment of the reproduction of magnetic sound tracks without the use of a monitoring film A S Zaks. Tekn. kino i telev 6 no 3 12-15 Mr '62

[illegible] films. Radio no 10 51-[illegible] '63

Contactless [illegible] recording and reproduction D. P. [illegible] A V Vrublevskii. Trudy VNAIZ no 10 41-57 '62

Impulse demagnetization of the magnetic carrier M. G Arutiunov, N IA. Khvostov Tekh kino i telev 6 no 3 18-21 Mr '62

[illegible] magnetic tape with a pickup head. [illegible] Trudy VNAIZ no. 10 76-80 '62.

Methods for measuring electroacoustical properties of [illegible] carriers. IA. A. Mazo Trudy VNAIZ no 10 98-118 '62.

[illegible] of [illegible] carriers IA. A. Mazo Trudy VNAIZ no. 10:81-97 '62.

[illegible] materials for magnetic tapes. M. S. [illegible] Trudy VNAIZ no. 10 119-129 '62.

MAGNETIC RECORDERS AND RECORDING—BIBLIOGRAPHY see Bibliography—Magnetic recorders and recording

MAGNETIC RECORDERS AND RECORDING—STANDARDS

New state standard for magnetic tapes. Tekn kino i telev [illegible] Ag '62

MAGNETIC STORMS

Anomalous absorption in the polar cap caused by intense [illegible] bursts G M Khocholava. Geomag. i aer. 3 no. 5 914-921 S-O '63.

Classification of geomagnetic storms based on their energy characteristics. V. I Afanas'eva. Geomag. i aer 3 no 4 717-722 Jl-Ag '63

Energy released in the magnetic storms of September 1957. V. I Afanas'eva. Geomag. i aer. 3 no. 5 955-959 S-O '63.

Families of geomagnetic storms recorded during the Year of International Geophysical Cooperation. V. I Afanas'eva. Geomag. i aer. 3 no. 5 948-954 S-O '63.

MAGNETIC TESTING

Mikhanovskii, V. M. [Electromagnetic defectoscopy in constant and variable fields] Elektromagnitnaia defektoskopiia v postoiannom i peremennom pole. Khar'kov, Izd-vo Gos. uni., 1963 57 p.

MAGNETISM, TERRESTRIAL
(see also subdivision under Pacific Ocean)

Conductivity and size of the nonconducting layer in the case of a cylindrical model of the earth in application to Dst-variations. N M Rotanova. Geomag. i aer. 3 no. 5 968-975 S-O '63.

Conference on marine magnetic surveying. M. M. Ivanov. Okeanologiia 3 no. 4 752 '63.

Electric field of a polar magnetic disturbance. B. E. Brunelli. Geomag. i aer. 3 no. 5 929-937 S-O '63.

Heating of the ionosphere by current systems. M. N. Fatkullin. Geomag. i aer. 3 no. 4 767-768 Jl-Ag '63.

Lunar tidal variations of critical frequencies of the E-layer. V. A. Zagulaeva. Geomag. i aer. 3 no. 4 766-767 Jl-Ag '63.

Magnetic activity at conjugate points. L. A. IUdovich. Geomag. i aer. 3 no. 4 723-727 Jl-Ag '63.

Main magnetic field of the earth. B. M. Liakhov. Geomag. i aer. 3 no. 4 734-738 Jl-Ag '63.

Methods of geological interpretation of gravity and magnetic surveys in a 1.200000 scale. D. P. Kasatkin. Geofiz. razved. no. 12 22-47 '63.

Possible cause of PP type oscillations. A. V. Sergeev. Geomag. i aer. 3 no. 5 983-985 S-O '63.

Relation between certain ionospheric characteristics and geomagnetic activity. V. D. Kokourov. Geomag. i aer. 3 no. 5 995-996 S-O '63.

Relation between geomagnetic and ionospheric disturbances at middle latitudes. M. P. Kiianovskii, N. V. Mednikova. Geomag. i aer. 3 no. 4 769-771 Jl-Ag '63.

MAGNETISM, TERRESTRIAL—OBSERVATORIES
(see also subdivision under Odessa region)

Magnetic three-component microvariation station for field observations. N I. Kirotevich. Geomag. i aer. 3 no. 4 744-751 Jl-Ag '63.

MAGNETISM, TERRESTRIAL—SECULAR VARIATION

Geomagnetic field at Leningrad according to archeomagnetic data. E N. Tarkhov Geomag. i aer 3 no. 4 728-733 Jl-Ag '63.

MAGNETITE see subdivision under Krivoy Rog Basin

MAGNETIZATION

Magnetization processes of ferromagnetic materials in the region of strong magnetic fields. Part 3. Investigating, on single crystals, the law of magnetization approaching saturation. V. V. Parfenov, IU. P. Lobastov. Fiz. met. i metalloved. 16 no. 3:334-342 S '63.

Relationship between saturation magnetization and the parameters of ferrites used in the superhigh-frequency technique (with summary in English) IL. L. Bartashevs'kyi and others. Ukr. fiz. zhur 8 no. 6 694-699 Ag '63

Temperature dependence of the intensity of magnetization of chemically deposited nickel films. N. A. Korenev. Fiz. met. i metalloved. 16 no. 3:329-333 S '63.

MAGNETOCHEMISTRY

Magnetochemical phase analysis of iron oxides obtained by the reduction of α-Fe_2O_3 with methane and carbon. K N. Potemkin Zhur. prikl. khim. 36 no. 8 1697-1702 Ag '63.

MAGNETOELECTRIC MACHINES see subdivision under Great Britain

MAGNETOHYDRODYNAMICS

"Advances in magnetohydrodynamics", collection of articles. I T El'perin, L. G. Brazhnik. Inzh.-fiz. zhur. 6 no 10:137-139 O '63.

Flow between parallel walls in a periodic magnetic field. I. B. Chekmarev PMTF no 5,141-145 S-O '63.

Flute instabilities for a rotating plasma filament. IU. V. Vandakurov. Zhur. tekh. fiz. 33 no. 9 1134-1137 S '63

Interaction of shock waves in magnetohydrodynamics. N. L. TSintsadze, TS D. Loladze. Zhur. tekh. fiz. 33 no 10 1206-1209 O '63.

Maximum efficiency of a plasma current generator. G. V. Gordeev. Zhur. tekh. fiz. 33 no. 9 1031-1042 S '63.

On a magnetohydrodynamic hypersonic flow past a wedge. M. D. Ladyzhenskii. Prikl mat. i mekh 27 no 1:55-60 Ja-F '63.

Propagation of a solitary wave in a plasma along a magnetic field. A. D. Pataraia Prikl mat i mekh 27 no. 1:85-90 Ja-F '63.

Reflection and refraction of magnetohydrodynamic waves on the interface of two anisotropic plasma type media TS. D Loladze, N L. TSintsadze. Zhur. tekh. fiz. 33 no 8 929-934 Ag '63.

Simulation of a magnetohydrodynamic flow in a channel using an electrolytic cell. V. V. Nazarenko PMTF no. 5 145-147 S-O '63.

MAGNETOSTRICTION

Effect of shape in linear magnetostriction. F. N. Dunaev, V. M. Kalinin. Fiz. met. i metalloved. 12 no. 6:915-917 D '61.

MAGNETS

Shekalov, A. A. [New alloys for cast permanent magnets] Novye splavy dlia litykh postoiannykh magnitov. Leningrad, 1963 17 p (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Metallovedenie i termicheskaia obrabotka, no. 3)

MAGNITOGORSK—OLD-AGE HOMES

Community and its public-spirited workers. L. Voronezhskii. Sots. obesp. 24 no. 10:35-38 O '63.

MAGNITOGORSK—SHOE INDUSTRY

These girls help the steelworkers of "Magnitka." E. Kolkov. Sov. torg. 36 no. 8:32-33 Ag '63.

MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1893-1930

Il'in, O. I. [Maiakovskii's heroic satire] Geroicheskaia satira Maiakovskogo. [Saratov] Saratovskoe knizhnoe izd-vo, 1962. 119 p. (MH)

Kolevski, V. [The poem "All right!" by Maiakovskii] Poema Maiakovskogo "Khorosho!" Sofiia, Izd-vo Bolgarskoi Akad. nauk, 1958. 213 p.

Maiakovskii on his life and work. Rab. i sial. 39 no. 7: 22 31 '63.

Posters by V. Maiakovskii. E. Dinershtein. Iskusstvo 26 no. 10:47-53 '63.

Rhythmic translation of Maiakovskii's poetry into French. G. Oragvelidze. Trudy Tbil GU 101 207-222 '62.

Two-thousand unknown motion-picture stills of Maiakovskii. Maks Polianovskii. Isk. kino 33 no. 7:63-65 '63.

V. V. Maiakovskii. A. Drak. Mystetstvo 10 no. 4:8 Jl-Ag '63.

MAIKOP—LUMBERING—MACHINERY

What the Maikop Plant manufactures in 196[illegible] [illegible] 10 no. 5 30-31 My '6[illegible].

MAIL SORTING

Radukhin, V. I. [Sorter of written correspondence] [illegible] Razborshchik pis'mennoi korrespondentsii Izd [illegible] Moskva, Sviaz'izdat, 1963 [illegible] p (Biblioteka dlia sviazistov massovykh professii)

MAIZE see Corn (Maize)

MAKARENKO, ANTON SEMENOVICH, 1888-1939

Collective and individuality in the pedagogical [illegible] A. S. Makarenko. F. I. Naumenko Rad [illegible] 48-50 O '63.

From the talks about him. [illegible] V. [illegible] no. 10:96 100 O '63.

MAKEYEVKA—CRIME PREVENTION

How the dwellers of residential blocks try to [illegible] criminal offenses. [illegible] V. Artemov. [illegible] pravo no. 4.33-34 Jl-Ag '63.

MALAYA—HISTORY

"Malayan and world history" (in English) by [illegible] G. P. Dartford. Reviewed by V. A. Tiurin. [illegible] Afr. no. 5 205-207 '63.

MALAYA VISKA DISTRICT—CORN (MAIZE)

Growing corn along with soybean in the northern steppe of the Ukraine. M. I Ivanchenko Visnyk sil'[illegible] nauky 6 no. 4:60-64 Ap '63.

MALAYA VISKA DISTRICT—SOYBEAN

Growing corn along with soybean in the northern steppe of the Ukraine. M. I. Ivanchenko. Visnyk sil'hosp nauky 6 no. 4:60-61 Ap '63.

MALAYSIA, FEDERATION OF

When people lose their wits. IU. Z. Nov. vrem[illegible] no. 39:11 S '63.

MALEIC ANHYDRIDE

Bromination of adducts of 2-methyl- and [illegible] furan with maleic anhydride. N. S. Zefirov an[illegible] Zhur. ob. khim. 33 no. 10 3139-3140 O '63.

Copolymerization of some derivatives of dihydro[illegible] lene and dihydrocompounds with maleic [illegible] K. A. Kornev, V. A. Shrubovich, G. V. Cherkaly[illegible] Ukr. khim. zhur. 29 no. [illegible] '63.

MALI—TECHNICAL ASSISTANCE, RUSSIAN

Our readers discuss the position of China. Nov. vre[illegible] 21 no. 39:30 S '63.

MALI—TRADE UNIONS—OFFICERS

The trade-union training school. Vestn. prof. dvizh. no. 10: 37-40 O '63.

MALIC ACID

Esters of citric and malic acids. N I. Salit, [illegible] kov. Zhur. ob. khim. 33 no. [illegible] Ag '63

Use of malic acid for the precipitation reaction [illegible] hydroxides and metal hydroxyquinolinates. [illegible] nitskii, G. A. Khomenko. Ukr. khim. zhur. [illegible] 654-656 '63.

MALONIC ACID

Synthesis of 1-arylbuten-2-ylidenethylmalonic esters [illegible] 1-arylbuten-2-ylacetic acids from chloroaryl [illegible] and sodium malonic ester. M. M. Bilchenko, [illegible] Ganushchak, A. V. Dombrovskii. Zhur. ob. khim. [illegible] no. 8:2528-2532 Ag '63.

MALT

Melanoidins concentrate from malt shoots. [illegible] tusha, P. M. Mal'tsev. Izv. vys. ucheb. zav. [illegible] tekh. no. 4:72-75 '63.

MAMEDALIEV, IUSIF GEIDAROVICH, d. 1961

IUsif Geidarovich Mamedaliev; obituary. Izv. vys. [illegible] zav.; neft' i gaz 5 no. 1:121-122 '62.

MAMETOVA, MANSHUK, 1922-1943

Her name is remembered. Manash Kozybaev. [illegible] komm. no. 10:104-105 O '63.

MAMMALS see subdivision under Carpathian Mountains, Stara Planina; Ukraine

MAMMALS—EMBRYOLOGY see Embryology—Mammals

MAMMALS—PARASITES see Parasites—Mammals

MAMMARY GLANDS

Development of the mammary gland in purebred and hybrid swine in the process of their individual development. M. IA. Solovei, V. A. Ektov. Dokl. TSKHA no. 69:317-323 '61.

Histological structure of the mammary gland in purebred and hybrid swine in relation to their growth, the period of pregnancy, and lactation. M. IA. Solovei, V. A. Ektov. Dokl. TSKHA no. 69:325-335 '61.

MAMMARY GLANDS—BLOOD VESSELS

Development of capillary blood vessels in the mammary gland of a cow embryo. V. P. Chumakov. Dokl. TSKHA no. 69:337-340 '61.

MAN—INFLUENCE OF ENVIRONMENT

[illegible] city and nature as parts of a single unit. N. V. Morozova. Vest. Mosk. un. Ser. 5 Geog. 18 no. 6 81-83 N-D '63.

MANGANESE—METALLURGY

Welding manganese metal on a phosphorous-free slag from first-grade Nikopol' manganese ore. S. I. Khitrik and others. Met. i gornorud. prom. no. 5 66-68 S-O '63.

Reduction of manganous oxide by hydrogen. A. N. Morozov, L. A. Novokhatskii. Izv. AN SSSR. Met. i gor. delo no. 5 [illegible] S-O '63.

MANGANESE COMPOUNDS

Manganese diethyldithiocarbamate in nonaqueous solvents. Iu. I. Usatenko, N. P. Fedash. Trudy Kom. anal. khim. 14 183-190 '63.

Temperature dependence of nuclear magnetic relaxation times of protons and deuterons in aqueous solutions of Mn^{2+} ions. R. K. Mazitov. Dokl. AN SSSR 152 no. 2 [illegible] S '63.

MANGANESE FLUORIDE CRYSTALS—ABSORPTION SPECTRA

Characteristics of the absorption spectrum of manganese fluoride crystals. V. V. Eremenko, A. I. Belineva. Fiz. tver. tela 5 no. 10 2877-2881 O '63.

MANGANESE ORES
(see also subdivision under Nikopol' region)

Complete treatment by flotation of 2d- and 3d-class manganese concentrates. V. M. Semioshko, Iu. S. Gol'dberg. Gor. zhur. no. 10:58-61 O '63.

Study of the chemical treatment of manganese middlings. T. T. Vlach, I. G. Samoilov. Gor. zhur. no. 10:56-58 O '63.

MANGANESE ORES—STATISTICS

World production of manganese ore. O. A. Chernyshenko. Met. i gornorud. prom. no. 4 95 Jl-Ag '63.

MANGANESE OXIDES

Reduction of manganese dioxide in the presence of some reducing agents (with summary in English). N. I. Shvigin. Zhur. anal. khim. 18 no. 9:1075-1079 S '63.

MANGANESE STEEL—HYDROGEN CONTENT

Effect of intraphase hardening on hydrogen absorption in manganese austenite. P. V. Gel'd, V. A. Gol'tsov, M. M. Shteinberg. Fiz. met. i metalloved. 16 no. 3:394-402 S '63.

MANGANESE TELLURIDE

Metallographic investigation of manganese telluride. A. V. Doroshenko and others. Fiz. met. i metalloved. 12 no. 6:911-912 D '61.

MANGYSHLAK PENINSULA—BARITE

Morphology and genesis of strontium-bearing barite concretions in the Mangyshlak Peninsula. V. V. Burkov, E. K. Podporina. Trudy IMGRE no. 17 33-46 '63.

MANGYSHLAK PENINSULA—REVOLUTION, 1917-1921

First steps of the Soviet regime in the Mangyshlak Peninsula, April-December 1920. S. Tlepov. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR 17:115-123 '63.

MANGYSHLAK PENINSULA—STRONTIUM

Morphology and genesis of strontium-bearing barite concretions in the Mangyshlak Peninsula. V. V. Burkov, E. K. Podporina. Trudy IMGRE no. 17:33-46 '63.

MANHOLES—EQUIPMENT AND SUPPLIES

New standard specifications for cast iron manhole covers for inspection shafts. B. Smirnov. Zhil.-khom. khoz. 11 no. 12 24-25 D '61.

MANN, THOMAS, 1875-1955

Antithesis of the artist and the burgher in the works of Thomas Mann [in Georgian with summary in Russian]. N. Kakabadze. Trudy Tbil. GU 101:139-161 '62.

MANNICH REACTION

Industrial synthesis of carbonyl monomers based on Mannich reaction. Part 3: Study of the kinetics of some industrial syntheses. M. I. Farberov, G. S. Mironov. Kin. i kat. 4 no. 4:526-533 Jl-Ag '63.

2-Mercaptothiazole in the Mannich reaction. M. O. Kolosova, V. I. Stavrovskaia. Zhur. ob. khim. 33 no. 8: 2778-2785 Ag '63.

MANUAL TRAINING

For productive work in eight-year schools with longer hours. A. Gordin. Shkola-int. no. 5 34-36 S-O '63.

Let's consolidate the school workshops. L. Galynskii. Shkola-int. no. 5:38-39 S-O '63.

Let's improve the efficiency of manual training lessons. V. V. Litlans'kyi. Rad. shk. 42 no. 10:87-90 O '63.

Manual training in the fourth grade with a subject system of teaching. E. Iu. Sakhnovych. Rad. shk. 42 no. 10: 85-85 O '63.

Master worker. V. I. Chialov. Shkola i proizv. 7 no. 10:45-46 O '63.

Preparation of work areas and selection of training work. S. IA. Batyshev. Shkola i proizv. 7 no. 10:25-27 O '63.

Productive work of students in eight-year schools. A. IU. Gordin. Shkola i proizv. 7 no. 10 37-43 O '63.

Skills and habits in work training. F. Gonobolin. Prof.-tekh. obr. 20 no. 9:11-15 S '63.

Socially useful work of students. P. A. Popov, S. E. Khechoev. Shkola i proizv. 7 no. 10 43-45 O '63.

Work of an experimental training workshop. G. I. Shifnev. Shkola i proizv. 7 no. 10 17-19 O '63.

MANUFACTURES—ABSTRACTS

[Communal, household, and commercial equipment] Ref. zhur. Kommun., byt. i torg. obor. no. 12 D '63.

[Light industry] Ref. zhur. Leg. prom. no. 11 N '63.

MANUSCRIPTS

Lietuvos TSR Mokslu akademija, Vilna. Centrine biblioteka. [Manuscript collections, a brief survey of manuscripts dating from the 11th to the 20th century in the Central Library of the Academy of Sciences of Lithuania] Rankrasciu rinkiniai, Lietuvos TSR Mokslu akademijos Centrines bibliotekos XI-XX amziu rankrasciu fondu trumpa apzvalga. Vilnius, 1963. 289 p. [In Lithuanian with summary in Russian]

"Publishing" activity of the Ambassadorial Department; history of the Russian manuscript book in the second half of the 17th century. I. M. Kudriavtsev. Kniga, issl. i mat. 8:179-244 '63.

MANUSCRIPTS, KURDISH see subdivision under Leningrad

MARAT, JEAN PAUL, 1743-1793

Image of a great revolutionary. F. Petrov. Nov. mir 39 no. 2:280-281 F '63.

MARI A. S. S. R.—PARASITES—CATTLE

Dynamics of seasonal tick infestation of cattle in the southern areas of the Mari A. S. S. R. M. N. Filimonov. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:147-163 '61.

MARI A. S. S. R.—TICKS

Dynamics of seasonal tick infestation of cattle in the southern areas of the Mari A. S. S. R. M. N. Filimonov. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:117-163 '61.

Ixodid ticks in areas of the middle Volga Valley. M. N. Filimonov. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:59-71 '61.

MARINE DIESEL ENGINES—DESIGN AND CONSTRUCTION

Correct the defects in 3D100-type engines. V. Popov. Mor. flot 23 no. 9:31-32 S '63.

MARINE DIESEL ENGINES—MAINTENANCE AND REPAIR

Means of mechanization and technological processes of diesel engine repair. I. A. Dynin, L. A. Nikushkin. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 12:52-64 '62.

MARINE ECOLOGY

Some hydrologic concepts used in studying pelagic populations of the oceans. K. V. Beklemishev. Trudy Gidrobiol. obva 13:274-284 '63.

MARINE ENGINEERING
(see also subdivision under United States)

English language for ship engineers. O. Murashkin, A. Konovalenak. Mor. flot 23 no. 9 44 S '63.

Marine power plants; manual for students of shipbuilding institutes. B. V. Rebrov, E. M. Safronov. Sudostroenie 29 no. 9:72 S '63.

Steering booster. M. G. Khamkin. Sudostroenie 29 no. 9:60-65 S '63.

MARINE ENGINEERING—HANDBOOKS, MANUALS, ETC.

Manual for marine engineers. F. Gogitidze. Mor. flot 23 no. 8:44-45 Ag '63.

MARINE ENGINES

Graphic method of determining the optima dimensions of exhaust muffler cells for low-frequency noises. G. A. Korneev. Sudostroenie 29 no. 9:26-27 S '63.

MARINE ENGINES—COOLING

Protection of cylinder bushings and internal combustion engine blocks against corrosion. N. A. Butkov and others. Mor. sbor. 46 no. 7:73-76 Jl '63.

MARINE ENGINES—MAINTENANCE AND REPAIR

Protection of ship mechanisms by liquid inhibited lubricants. I. Gerasimov, K. Nasonov, V. Puttiov. Mor. flot 23 no. 8:21-22 Ag '63.

MARINE ENGINES—TESTING

Testing mechanisms on stands. I. Reshetniak. Mor. flot 23 no. 8:33-35 Ag '63.

MARINE FAUNA
(see also subdivision under Caspian Sea; Kanda Bay; White Sea)

Conference on the joint studies of fauna and flora. IA. I. Starobogatov. Okeanologiia 3 no. 5:938-940 '63.

MARINE FLORA

Conference on the joint studies of fauna and flora. IA. I. Starobogatov. Okeanologiia 3 no. 5:938-940 '63.

MARINE FOULING

Selecting efficient formulas for antifouling paints with long action. G. IA. Terlo and others. Lakokras. mat. i ikh prim. no. 5 6-10 '63.

Selecting the primers and method of surface preparation for the painting of hydraulic structures operated in seawater. V. F. Negreev, R. G. Gadzhieva, IU. E. Sinitsyna. Lakokras. mat. i ikh prim. no. 5 36-40 '63.

MARINE MICROBIOLOGY

Role of microorganisms in the upper layer of bottom sediments of a shallow sea in the transformation of organic matter. A. I. Zhukova, M. V. Fedosov. Okeanologiia 1 no. 3 450-455 '61.

MARINE RESOURCES

The ocean as a reserve of natural resources. N. N. Gorskii. Geog. v shkole 26 no. 5:24-32 S-O '63.

MARITIME METEOROLOGY see Meteorology, Maritime

MARITIME TERRITORY—AGRICULTURAL WORKERS

Public participation is the real support. V. Antonov, I. Kashkadamov. Sov. profsoiuzy 19 no. 20 30-31 O '63.

MARITIME TERRITORY—ANCHOVIES

Materials on the spawning of anchovies and sardines. N. V. Khrapkova. Izv. TINRO 46:247 '60.

MARITIME TERRITORY—CONSTRUCTION INDUSTRY

In the Maritime Territory. Stroitel' 9 no. 10:6 O '63.

MARITIME TERRITORY—DRAINAGE

Water-balancing investigations in the drainage system in the Maritime Territory. V. M. Piskun. Sbor. nauch. rab. DVNIIS no. 1:161-178 '61.

MARITIME TERRITORY—FOG

Possibility of the appearance of fog during cold advection. O. K. Il'inskii. Trudy UkrNIGMI no. 32:20-28 '62.

MARITIME TERRITORY—SARDINES

Materials on the spawning of anchovies and sardines. N. V. Khrapkova. Izv. TINRO 46:247 '60.

MARKIN, NIKOLAI

Seaman of the Revolution. S. Khesin. Voen. znan. 39 no. 10:6 O '63.

MARKING OF ANIMALS see Animals, Marking of

MARRIAGE LAW

Some suggestions concerning the amendment of family law. S. Vozniuk. Rad. pravo no. 4 83-84 Jl-Ag '63.

MARROW

Disorders in the processes of cell regeneration in the bone marrow of rats subjected to ionizing radiation. G. P. Gruzdev and others. Med. rad. 8 no. 2:35-42 F '63

MARROW—TRANSPLANTATION

Incorporation of methionine-S^{35} into the proteins of bone marrow and spleen in acute radiation sickness and the effect of bone marrow transplantation on this process. V. A. Revis. Radiobiologiia 2 no. 6:913-925 '62.

Production of homologous bone marrow chimeras in guinea pigs. D. R. Kaulen, K. A. Lubedev, D. V. Stefani. Radiobiologiia 2 no. 6:873-877 '62.

Study of the blood coagulation system in acute radiation sickness after the transplantation of bone marrow. N. IA. Lagutina. Radiobiologiia 2 no. 6:855-858 '62.

Use of bone marrow suspension in superlethal radiation injuries [with summary in English]. K. N. Muksinova. Med. rad. 8 no. 2:25-28 F '63.

MARS (PLANET)

Club of the young astronauts. Ifiz. nat. no. 2:32-34 F '63.

MARSHAK, SAMUIL IAKOVLEVICH, 1887-

S. IA. Marshak in Mongolia. L. Enkhe. Sovr. Mong. 8 no. 6:16-17 Jl [t. e. Je] '63.

MARX, KARL, 1818-1883

Cornu, Auguste. [Karl Marx and Friedrich Engels; their lives and work. Translated from the German] Karl Marks i Fridrikh Engel's; zhizn' i deiatel'nost'. Moskva, Izd-vo inostr. lit-ry, 1959- 7 v. (OU)

Development of the aesthetic views of Marx and Engels in the "Holy family" [in Georgian with summary in Russian]. Sh. I. Revishvili. Trudy Tbil. GU 101:13-61 '62.

Kasenov, B. K. [Dialectics of the individual, the particular, and the universal in K. Marx's "Das Kapital"] Dialektika edinichnogo, osobennogo i vseobshchego v Kapitale K. Marksa. Moskva, Vyeshaia shkola, 1963. 59 p. (Materialy k lektsiiam po filosofii) (MH)

MARX, KARL, 1818-1883 (Continued)

Marx, Karl, and Friedrich Engels. [Collected works] Sochineniia. Izd. 2. Moskva, Gospolitizdat. Vol 30. 1962. 756 p.

MASONRY

Fabrication of structural elements for masonry buildings. V. I. Mart'yanov. In: VSP Sovet tekhnikov. 7 p. 71-75. Bibl.

Moscow. Inzhenerno-ekonomicheskii institut. [Fundamentals of building, economics, and organization] Osnovy stroitel'no-proizvodstvennykh, kamennykh i oblitsovochnykh rabot. Uchebnoe posobie po kursu "Tekhnologiia stroitel'nogo proizvodstva." Moskva, 1962. 174 p.

MASS SPECTROMETRY

Conversion of certain hydrocarbons under the effect of electron impact. I. L. Markman, V. M. Tatevskii. Zhur. fiz. khim. 37 no. 9 2026-2031 Ag '63.

Isotopic composition of the ground state of Tl^{205}. D. I. Kamenskii and others. Opt. i spektr. 15 no. 4 441-44 O '63.

Mass spectra and structure of organic compounds. Part 1. Mass spectra of some alkene hydrocarbons with tertiary hydrogen atoms. A. V. Polyakova, R. A. Khmel'nitskii, V. A. Petrov. Zhur. ob. khim. 33 no. 8 2518-2525 Ag '63.

Polyatomic gas, finite molecules. M. S. Chupakhin, G. G. Glavan, I. T. Dan'. Zhur. tekh. fiz. 33 no. 10 1281-1284 O '63.

Time-of-flight mass spectrometer for analyzing minor impurities. V. I. Karataev. Vest. AN SSSR 33 no. 10 105-106 O '63.

Use of spectrometric analysis in petroleum geology. A. M. Akramkhodzhaev, Sh. Kh. Amirkhanov, D. Mavlyanov. Uzb. neft. khoz. 7 no. 8 70-75 '63.

MASS TRANSFER

Calculation of the hydraulics and mass transfer on a "uniflux" tray. V. G. Kasatkin and others. Khim. prom. no. 7 534-537 Jl '63.

Contents of the international journal "Heat and mass transfer," Vol. 6, no. 7, July 1963. E. A. Bogdanova. Inzh.-fiz. zhur. 6 no. 10 140-141 O '63.

Diffusion stream from a moving drop. M. Kh. Kisarokov, F. S. Kumakhova. Zhur. prikl. khim. 36 no. 8 1869-1871 Ag '63.

Heat and mass transfer during a constant drying speed [with summary in English]. Iu. V. Mikhailov, R. M. Borovoi. Inzh.-fiz. zhur. 6 no. 10 45-52 O '63.

Mass transfer and critical phenomena [with summary in English]. V. E. Kerzanova, L. A. Rott. Inzh.-fiz. zhur. 6 no. 11 123-135 N '63.

Mass transfer coefficients during absorption of sulfur dioxide from gases by solutions of magnesium sulfite-magnesium bisulfite. B. A. Chertkov. Khim. prom. no. 7 537-541 Jl '63.

Mass transfer on drainomeiless grid trays. V. V. Kafarov, Iu. G. Zelinskii. Zhur. prikl. khim. 36 no. 8 1750-1757 Ag '63.

MASTICS

Mastics for sealing joints of exterior wall panels. L. E. Berlin, R. D. Mirkin, S. G. Sazonov. Stroi. mat. 9 no. 10 22-24 O '63.

New compositions of skidproof mastics for river boats. Iu. F. Tarasov. Lakokras. mat. i ikh prim. no. 4 44-45 '62.

MATERIALS, EFFECT OF RADIATION ON

[Corrosion and irradiation] Korroziia i oblucheniie. [By] V. V. Gerasimov, i dr. Moskva, Gosatomizdat, 1963. 287 p.

MATERIALS HANDLING

Mass utilization of containers and pallets in transportation and their introduction into the technological processes of production. Biul. stroi. tekh. 20 no. 8 43-44 Ag '63.

MATERIALS HANDLING—ABSTRACTS

[Industrial transportation] Ref. zhur. : Prom. transp. no. 11 N '63.

MATERIALS HANDLING—EQUIPMENT AND SUPPLIES

Improved shelters for areas of loading materials on conveyors and method of their design. M. T. Kamyshenko. Prom. vent. no. 8 21-36 '60.

MATERNAL AND INFANT WELFARE

Problems of motherhood and childhood protection in capitalistic countries. V. S. Grazhul'. Zdrav. Ros. Feder. 7 no. 11 31-35 N '63.

MATHEMATICAL ANALYSIS

Fundamentals of classical analysis and the theory of analytic functions in a polyadic region. E. V. Novoselov. Izv. vys. ucheb. zav.; mat. no. 5:71-88 '63.

Korobov, N. M. [Number-theoretical methods in approximation analysis] Teoretiko-chislovye metody v priblizhennom analize. Moskva, Fizmatgiz, 1963. 224 p. (Biblioteka prikladnogo analiza i vychislitel'noi matematiki)

Sets, sequences, and mappings. The basic concepts of analysis" [in English] by K. W. Anderson, D. W. Hall. Reviewed by G. V. Kamenskii. Zhur. vych. mat. i mat. fiz. 3 no. 5 975-976 S-O '63.

MATHEMATICAL ANALYSIS—STUDY AND TEACHING

Teaching the fundamentals of mathematical analysis in secondary schools. D. A. Raikov. Mat. v shkole no. 5 25-30 S-O '63.

MATHEMATICAL ECONOMICS see Economics, Mathematical

MATHEMATICAL LINGUISTICS

Automatic description of the order and control of words in certain types of sentences. M. I. Bulatkvit, V. M. Grigor'ian, I. D. Zaslavskii. Trudy Vych. tsentra no. 1 41-45 '63.

MATHEMATICAL MODELS

Modeling of differential equations with boundary conditions by means of electronic analog computers. G. E. Pukhov. Mat. mod. i elek. tsepi no. 1 37-39 '63.

Reversible functional converters. K. D. Zhuk. Mat. mod. i elek. tsepi no. 1 12-16 '63.

Stability of the operation of reversible linear converters connected to a complex linear d-c electric circuit. V. V. Vasil'ev. Mat. mod. i elek. tsepi no. 1 33-36 '63.

Use of quasi-negative resistors for improving the operation of amplifiers in a reversible model of linear equations. G. E. Pukhov. Mat. mod. i elek. tsepi no. 1 26-27 '63.

MATHEMATICAL PHYSICS

Akademiia nauk Uzbekskoi SSR, Tashkent, Institut matematiki. [Problems of computer mathematics] Voprosy vychislitel'noi matematiki. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1963. 107 p.

MATHEMATICAL PHYSICS—PROBLEMS, EXERCISES, ETC

"Boundary and eigenvalue problems in mathematical physics" [in English] by H. Sagan. Reviewed by S. G. Mikhlin. Zhur. vych. mat. i mat. fiz. 3 no. 5 972-975 S-O '63.

MATHEMATICAL RECREATIONS

Think and prove. Tekh. mol. 30 no. 8 32 '62.

MATHEMATICAL STATISTICS

Chetverikov, N. S. [Statistical and stochastical studies] Statisticheskie i stokhasticheskie issledovaniia. Moskva, Gosstatizdat, 1963. 299 p.

Research tasks in using mathematical methods and electronic calculating machines. A. Boiarskii, V. Dzhaparidze. Vest. stat. no. 10 3-15 '63.

Some statistical problems relating to a certain type of observation [with summary in English]. A. M. Kagan. Vest. LGU 18 no. 19 112-113 '63.

Statistical laws as an expression of the necessary interrelations in nature. G. IA. Miakishev. Ist. i metod. est. nauk no. 2 121-134 '63.

MATHEMATICS

[Mathematics; translations of foreign articles] Matematika, period. sbor. perev. inostr. st. 7 no. 6 N-D '63.

Suvorov, I. F. [Brief course in higher mathematics for schools of economics] Kratkii kurs vysshei matematiki dlia ekonomicheskikh vuzov. Moskva, Vysshaia shkola, 1963. 435 p.
(OkS)

Textbook on the linear algebra and programming course. A. A. Glagolev and others. Vest. vys. shkoly 21 no. 10 91-93 O '63.

MATHEMATICS—ABSTRACTS

[Mathematics] Ref. zhur. : Mat. no. 11 N '63.

MATHEMATICS—CONGRESSES

Intercollegiate Conference on the History of the Physical and Mathematical Sciences. I. K. Andronov, P. B. Bychkov. Mat. v shkole no. 5:85-86 S-O '63.

MATHEMATICS—PERIODICALS see subdivision under Hungary

MATHEMATICS—PROBLEMS, EXERCISES, ETC.

Kushchenko, V. S. [Problems with solutions for competitive examinations in mathematics] Sbornik konkursnykh zadach po matematike s resheniiami. Leningrad, Sudpromgiz, 1963. 591 p.

Problems for grade 8 to 11 students. V. V. Malinin. Mat. v shkole no. 5:87 S-O '63.

Problems with contents derived from practical fields. A. V. Rotar'. Mat. v shkole no. 5:80-82 S-O '63.

Selected problems and special methods for their solution. V. G. Potapov and others. Mat. v shkole no. 5:87-88 S-O '63.

A simple solution. I. D. Aleksandrov. Mat. v shkole no. 5:95 S-O '63.

Solutions to the problems offered in No. 1 of the journal for 1963. Mat. v shkole no. 5:88-95 S-O '63.

MATHEMATICS—STUDY AND TEACHING (see also subdivision under Switzerland)

Coordination of school courses of mathematics and geography. N. V. Malakhov. Mat. v shkole no. 5 8-11 S-O '63.

"Educational conferences" in Mari Autonomous Oblast. Mat. v shkole no. 5 81 S-O '63.

"Educational conferences" in Sverdlovsk Oblast. M. S. Ostrovskaia. Mat. v shkole no. 5 81-82 S-O '63.

Engineers should possess a thorough knowledge of mathematics. A. V. Lovtsagin, A. I. Chelb. Vest. vys. shkoly 21 no. 10 58-61 O '63.

Interrelation of mathematics and physics in problems with denominate numbers. S. I. Kovalev. Mat. v shkole no. 5 18-20 S-O '63.

Linking the teaching of mathematics and physics in the 8th grade. F. I. Aprakshina, IA. P. Shchedrin. Mat. v shkole no. 5 11-16 S-O '63.

Parno, I. K. [The derivative and its application to the study of functions, subject from the course of algebra and elementary functions "for the 11th grade of day schools] Proizvodnaia i ee primenenie k issledovaniiu funktsii, tema iz kursa "Algebra i elementarnye funktsii" XI klassa srednei shkoly. Posobie dlia ucha. Kishinev, Gos. izd-vo "Kartia moldovenyaske", 1963. 96 p.

Studying the subject "Power functions." Mat. v shkole no. 5, 60-67 S-O '63.

Theoretical and Practical Conference of Teachers of Rostov Province. I. G. Iakubu. Mat. v shkole no. 5 81-86 S-O '63.

Use of geographical maps in a mathematics lesson. A. Arsent'ev. Mat. v shkole no. 5 16-17 S-O '63.

MATRICES

Group of non-singular matrices over a finite field and recurrent sequences. V. L. Nechaev. Izv. AN SSSR 152 no. 2 275-277 S '63.

Multioperator cyclic processes. V. S. Mikhalevich. AN BSSR 7 no. 4 224-227 Ap '63.

Order of the element of a group of matrices. D. A. Suprunenko. Dokl. AN BSSR 7 no. 4 [illegible] '63.

Space-time structure of the relativistic wave equations [with summary in English]. Iu. V. Gorbatyi. Ukhp. fiz. zhur. 8 no. 4 1067-1080 '63.

Using the method of quadratic matrices of the second order for kinematic analysis of hoisting gear. Chang Tz'u-hsien. Teor. mash. i mekh. 27 '62.

MATSALU PRESERVE

In a land of birds. A. Ivtchenko. Zashch. rast. 11 '62.

MATSESTA—BATHS, MEDICATED

Physicochemical characteristics of the "bikh" (methane) Matsesta Baths. P. V. Ivanov. Vop. fizioter., lech. fiz. kul't. 27 no. 4 [illegible] '62.

MAURITANIA—INVESTMENTS, FOREIGN

Creation of a foreign country. B. Zaldin. Vop. ekon. no. 11 56 N '63.

MAURITANIA—IRON MINES AND MINING

Creation of a foreign country. B. Zaldin. Vop. ekon. no. 11 56 N '63.

MAXIMS

Spirkin, A. G., ed. [In the world of wise thoughts: aphorisms] V mire mudrykh mysley, aforizmy. Izd. 2. Kniga sostavlena po materialam, gotovym S. Kh. Karinym. Moskva, Znanie, 1963. 175 p.
(MII)

MAZUT

Automation of a mazut pumping system. B. I. [illegible], V. V. Salashchenko. Energetik 11 no. 10 [illegible] O '63.

Using the chromatographic method for the analysis of mazut combustion products. M. I. [illegible]. Ogneupory 28 no. 10 449-451 '63.

MEADOW GRASS

Morphological and phytocenological systematics of Festuca longifolia Thin. I. K. Artamonova. Vest. MGU 6 Biol., pochv. 18 no. 6 38-47 N-D '63.

MEASLES—PREVENTIVE INOCULATION

Observation on the effectiveness of the live measles vaccine developed by the Pasteur Institute of [illegible] N. D. Revenok. Zdravookhranenie 6 no. [illegible] Je '63.

MEASLES VIRUSES

Fibrillar structure of the filiform bodies of the filiform virus in monkeys. S. B. Stefanov. Dokl. AN SSSR 152 no. 4 998-1000 O '63.

MEASURING INSTRUMENTS

Apparatus for measuring the depth of tillage. [illegible] pov. Trudy VISKHOMa no. 34 51-61 '62.

Apparatus for measuring the speed of grain [illegible] a sieve with the application of radioactive [illegible] V. A. Smirnitskii, G. A. Klishin. Trudy VISKHOMa no. 34:23-33 '62.

MEASURING INSTRUMENTS (Continued)

Automatic volume meter for round lumber. V. P. Shalamin. Les. prom. 10 no. 5 7-8 My '62

Dobrynin, E. M., and P'ang Chung-cheng. [Problems of dynamic precision of devices for the automatic checking of dimensions] Voprosy dinamicheskoi tochnosti priborov avtomaticheskogo kontrolia razmerov. Moskva, Mashgiz, 1963. 247 p.

Gekler, Z. L., Iu. L. Rastorguev, and P. L. Sudakov. [Controlling, measuring, and regulating apparatus used in petroleum refining, instructions for laboratory work] Kontrol'no-izmeritel'nye i regulirulushchie pribory v neftepererabatyvaiushchei promyshlennosti, rukovodstvo k laboratornym rabotam. Leningrad, Gostoptekhizdat, 1963. 250 p.

Instrument for measuring the low speeds of polishing pulp flow. V. M. Lalakin, N. V. Zolotarev, Stek i ker. 20 no. 8:20-22 Ag '63.

Laser profilograph. S. N. Kozlov. Trudy VISKHOMa no. 34 65-70 '62.

Methods for determining the abrasion strength of fabrics by means of the TI-1 apparatus. L. V. Luvishis, T. S. Lisitsyna. Nauch.-issl. trudy TSNIISherstI, no. 16 187-193 '61.

Methods for determining the thickness of fabrics. L. A. Luvishina. Nauch.-issl. trudy TSNIISherstI no. 16 193-203 '61.

MEASURING INSTRUMENTS—MODELS

Models of measuring instruments. M. Borodkin. Prof.-tekh. obr., 20 no. 9:16-17 S '63.

MEASUREMENT OF THICKNESS see Thickness measurement

MEAT

Changes occurring in the meat after the slaughtering of the animal. A. A. Sokolov, M. S. Il'-Dashkuty. Izv. vys. uchebn. zav.; pishch. tekh. no. 4:86-89 '63.

MEAT—MICROBIOLOGY

Evaluation of the culture medium proposed by M. A. Khelfer for the detection of Escherichia coli in sausages. V. I. Bogorova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4,68-70 '60.

MEAT—PACKAGING

Storage of chilled meat in polyethylene and cellophane wrapping. V. P. Semenova, G. N. Novikova, Sh. I. Ismanova. Sbor. stud. rab. MTIMMP no. 7 8-12 '62.

MEAT—PRESERVATION

Storage of chilled meat in graded cuts. P. A. Alekseev, S. A. Livshits. Khol. tekh. 40 no. 5 47-50 S-O '63.

MEAT—TRANSPORTATION see subdivision under Baghestan

MEAT, FROZEN—PACKAGING

Freezing of meat in polyethylene films. N. T. Ustinova, L. K. Baranova. Sbor. stud. rab. MTIMMP no. 7 17-19 '62.

MEAT INDUSTRY

(see also subdivision under Czechoslovakia, Ukraine)

Basic trends in the design and planning of the buildings for meat and fat shops. S. Bulanovet. Mias. ind. SSSR 34 no. 5 16-21 '63.

Distribution of meat industry enterprises. G. Falcev. Miias. Ind. SSSR 34 no. 5 35-37 '63.

Exchange of experiences. Miias. ind. SSSR 34 no. 5 42-47 '63.

Follow-up of published articles. Miias. ind. SSSR 34 no. 5:51-52 '63.

Prospects of the expansion of the meat industry. E. Bliu-lia. Miias. ind. SSSR 34 no. 5 7-11 '63.

Ways for an efficient utilization of the products of slaughtering. V. Gorbatov. Miias. ind. SSSR 34 no. 5 11-16 '63.

MEAT INDUSTRY—ACCOUNTING

Accounting for hides by weight and surface area. Z. Gerlitsyn. Miias. ind. SSSR 34 no. 5:40 '63.

MEAT INDUSTRY—BIBLIOGRAPHY see Bibliography—Meat industry

MEAT INDUSTRY—BY-PRODUCTS

Rapid method for determining moisture content in by-products and bones. N. Sukharev, O. Bulycheva, V. Shmeleva. Miias. ind. SSSR 34 no. 5:51 '63.

MEAT INDUSTRY—RESEARCH

Brief review of the reports delivered at the scientific and technical conference on the efficient utilization of the products of slaughtering. Miias. ind. SSSR 34 no. 5, 21-25 '63.

Recommendations of the conference. Miias. ind. SSSR 34 no. 5 25-27 '63.

MEAT INDUSTRY—STUDY AND TEACHING

Efficiency of studies in economics. I. Gadiuchenko. Miias. ind. SSSR 34 no. 5 41 '63.

MEAT INSPECTION

Cases of detecting some kidney lesions in cattle and swine during sanitation control. A. A. Rud' and others. Sbor. stud. rab. MTIMMP no. 7:51-54 '62.

Differential diagnosis in some parasitic diseases (sarcosporidiosis and trichinellhasis). G. G. Tiniakova. Sbor. stud. rab. MTIMMP no. 7 80-84 '62.

New standard. Miias. ind. SSSR 34 no. 5 53 '63.

Seminar of specialists in production control and veterinary inspection. Miias. ind. SSSR 34 no. 5 53-54 '63.

MECHANICAL DRAWING

Automatic reading of a mechanical drawing. S. A. Frolov. Izv. vys. uchebn. zav., mashinostr. no. 8 5-9 '63.

Essential inscriptions on mechanical drawings and directional specifications. N. T. Bashkirova. Standartizatsia 27 no. 10 52 O '63.

Mogil'nyi, I. M. [Mechanical drawing] Tekhnicheskoe cherchenie. Izd. 7, perer. Moskva, Mashgiz, 1963. 320 p.

A new student's textbook on drawing. V. A. Kalishevskaia. Mat. v shkole no. 5 50-51 S-O '63.

Specifications for part drawings. P. P. Kiselev. Standartizatsiia 27 no. 10 46 O '63.

MECHANICAL ENGINEERING

Nikitin, L. M. [Theoretical mechanics for technical schools] Teoreticheskaia mekhanika dlia tekhnikumov. Izd. 3, perer. Moskva, Fizmatgiz, 1963. 518 p.

MECHANICAL ENGINEERING—STUDY AND TEACHING

The engineer must be well versed in the systems of mechanics. A. M. Grigor'ev. Vest. vys. shkoly 21 no. 10 12-17 O '63.

MECHANICAL FANS see Fans, Mechanical

MECHANICAL MOVEMENTS

Application of tangential coordinates to the problems in the theory of machines and mechanisms. L. N. Borisenko. Teor. mash. i mekh. no. 94/95, 25-33 '63.

Curvature of linearly enveloping connecting-rod curves. I. I. Artobolevskii. Teor. mash. i mekh. no. 94/95 11-31 '63.

Solution of the motion equation for a machine in the presence of forces depending on the speed and position of the driving element. V. L. Dobroslavskii, V. L. Veits. Teor. mash. i mekh. no. 92/93 88-95 '62.

MECHANICAL WEAR

Increasing the durability of cable-tool drill bits by the method of hard facing with new wear-resistant KhGI alloys. M. S. Poliak, I. A. Svetashnikov. Nauch. trudy KHGI 11 101-103 '62.

Interrelationship between elements of cast-iron friction pairs. A. A. Staroselskii, V. S. Semenov, A. A. Vasserman. Izv. vys. ucheb. zav., mashinostr. no. 8 128-132 '63.

Investigating the wear of working and backing rolls on continuous hot rolling sheet mill. A. P. Chekmarev and others. Met. i gornorud. prom. no. 5 21-26 S-O '63.

Modeling hydroabrasive wear of pulp ducts. S. P. Timchanov. Shakht. stroi. 7 no. 8 16-17 Ag '63.

Review of I. V. Kragel'skii's book "Friction and wear" by A. E. Tsikunov, M. A. Spitsyn. Vest. mashinostr. 43 no. 10 90-91 O '63.

Wear of an analogous friction pair. V. N. Kashcheev. Fiz. met. i metalloved. 16 no. 3:463-466 S '63.

Wear resistance of manganous cast irons under the effect of sliding friction of cast iron against cast iron without lubrication. V. B. Liadskii. Metalloved i term. obr. met. no. 11, 38-39 N '63.

Wear resistance of the engine elements of the T-75 and MTZ-5MS high-speed tractors. F. IA. Stradymov, V. P. Diadiushko, A. Dvoinikov. Trakt. i sel'khozmash. 33 no. 3, 3-6 Mr '63.

MECHANICS

Approximate integration of the equations of undisturbed motion in the case of a singular root [with summary in English]. G. I. Mel'nikov. Vest. LGU 18 no. 19 112-123 '63.

Contrary to the textbooks. E. Aleksandrov. Tekh. mol. 31 no. 8:16-18 '63.

Designing annular plates of minimum weight. F. G. Shamiev. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekh. nauk no. 3:13-20 '63.

Optimal placement of a point on a trajectory corresponding to the required method of launching [with summary in English]. IU. Z. Aleshkov. Vest. LGU 18 no. 19 85-91 '63.

Torsion of a sectional shaft of variable diameter in nonlinear creep. M. M. Manukian. Izv. AN Arm. SSR Ser. fiz.-mat. nauk 16 no. 5:59-61 '63.

Transverse impact against a felxible membrane situated in a resistant medium. P. A. Rakhmanov. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekh. nauk no. 3:41-50 '63.

MECHANICS—ABSTRACTS

[Mechanics] Ref. zhur.: Mekh. no. 11 N '63.

MECHANICS, ANALYTIC

Algebraic integrals in the problem of the motion of a solid body in a Newtonian field of force. IU. A. Arkhangel'skii. Prikl. mat. i mekh. 27 no. 1, 171-175 Ja-F '63.

A case of motion of a solid body about a fixed point in a Newtonian field of force. V. V. Beletskii. Prikl. mat. mekh. 27 no. 1:175-178 Ja-F '63.

Nikitin, E. M. [Theoretical mechanics for technical schools] Teoreticheskaia mekhanika dlia tekhnikumov. Izd. 3., perer. Moskva, Fizmatgiz, 1963. 518 p.

MECHANICS, ANALYTIC—PROBLEMS, EXERCISES, ETC

Pogosov, G. S., D. D. Sakharova, and TS. IA. Shein, comps. [Manual for the solution of problems in theoretical mechanics] Posobie po resheniiu zadach teoreticheskoi mekhaniki. Moskva, Mosk. in-t khimicheskogo mashinostroeniia, 1963.
Sec. 1. [Statics] Statika. 49 p.
Sec. 2. [Kinematics] Kinematika. 71 p.

MECHANISMS

Calculation of all parameters of some four-bar plane transmission linkages with advancing parts. V. IA. Beletskii. Izv. vys. ucheb. zav., mashino-st. no. 8 20-26 '63.

Design of cam-lever mechanisms based on the given rule of motion of the working element with a minimized maximum pressure in the higher pair. L. P. Solov'ekin. Teor. mash. i mekh. no. 92/93 128-141 '62.

Differential screw mechanism. P. I. Khrenkov. Priborostroenie no. 10 27 O '63.

Motion equation for a plane mechanism with a variable mass in energy form. A. P. Bessonov. Teor. mash. i mekh. no. 92/93, 142-147 '62.

Using the method of quadratic matrices of the fourth order for kinematic analysis of lever pair mechanisms. Chang Tz'u-hsien. Teor. mash. i mekh. no. 92/93, 17-27 '62.

MECHANISMS—DESIGN AND CONSTRUCTION

Design and check of the working profile of sprockets for free-wheeling mechanisms. L. S. Gol'din. Stan. i instr. 34 no. 9 17-19 S '63.

Mashnev, M. M., and others. [Theory of mechanisms and machines and machine parts] Teoriia mekhanizmov i mashin. [Vladimir] Rozvuzizdat, 1963. 446 p.

Uniformity of the existing methods of power calculations for differential and planetary mechanisms. A. A. Nikitin. Trudy DIIT no. 24 226-274 '54.

MEDICAL CARE

Method of determining the volume of work of medical institutions rendering dispensary service to the population (in accordance with the regulations of the new program of the CPSU). I. D. Bogatyrev. Zdrav. Ros. Feder. 7 no. 11 10-16 N '63.

MEDICAL DELUSIONS

Liudmila Prudnikova's victory. I. Murachev. Nauka i zhizn' no. 2 85-86 F '62.

MEDICAL ELECTRONICS

Nauchno-tekhnicheskoe obshchestvo radiotekhniki i elektrosviazi im. A. S. Popova. [Elektronika v meditsine, sbornik materialov. Riga, TSentral'no-tekhn. informatsii Latvitskoi SSR, 1962. 260 p.
(DNLM)

MEDICAL GEOGRAPHY see subdivision under Siberia, Soviet Far East

MEDICAL GEOGRAPHY—ABSTRACTS

[Medical geography] Ref. zhur.: Med. geog. no. 11 N '63.

MEDICAL INSTRUMENTS AND APPARATUS

Vacuum insufflator with a filter for the insufflation of an anti-influenza serum and drugs in powder form. N. N. Orlova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 37-38 '61.

MEDICAL JURISPRUDENCE

Determination of the extent of personal injury in the irremediable disfiguration of an injured person's face. IE. IAchenin. Rad. pravo no. 4:87-89 Jl-Ag '63.

Medical and criminalistic evaluation of intoxication. IA. M. Kalashnik. Sov. gos. i pravo 33 no. 10:120-125 O '63.

MEDICAL LABORATORIES

Concerning the organizing of laboratory work in sanitary epidemiological stations. G. A. Orlov. Zdrav. Ros. Feder. 7 no. 11, 41-42 N '63.

MEDICAL PERSONNEL

Memorandum for supervisors, chairmen of local committees and bookkeepers of preventive medicine institutions. A. Aleksandrov. Zdrav. Ros. Feder. 7 no. 10, 44-47 O '63.

They risked their lives. G. Kassil'. Nov. mir 39 no. 1: 275-278 Ja '63.

MEDICAL SOCIAL WORK

Sakharov, V. A. [Volunteer council at a hospital] Obshchestvennyi sovet pri bol'nitse. [Moskva] Profizdat, 1963. 78 p.

MEDICAL STATISTICS

Fundamental indicators of the development of public health service at the beginning of 1963. V. N. Ivakina. Zdrav. Ros. Feder. 7 no. 11:3-9 N '63.

Standards for rendering urological aid to the urban population. K. D. Panikratov. Zdrav. Ros. Feder. 7 no. 10: 6-12 O '63.

Statistical coefficients and their use in sanitary statistics. E. IA. Belitskaia. Zdrav. Ros. Feder. 7 no. 10 32-35 O '63.

Statistical reports of the medical and obstetrical station O. E. Chernetskii, A. Kh. Milovanova. Zdravookhranenie 6 no. 3 14-17 My-Je '63

MEDICAL STATISTICS—STUDY AND TEACHING

Objectives and methods of teaching the elements of mathematical statistics to physicians of therapeutic and prophylactic institutions experimenters, and workers of medical laboratories. L. E. Poliakov. Prim. mat metod. v biol no. 2:21-45 '63.

MEDICAL TESTS

Problems of diagnosis and expertises on alcoholic intoxication in the U. S. S. R. and foreign countries [with summary in English]. A. M. Rapoport. Trudy Gos. nauch.-issl. inst. psikh 38:390-399 '63

MEDICINE—ABSTRACTS

[Abstracts of Soviet medical literature] Sov. med. ref. obozr. Predmetnyi i imennoi ukazatel' k sbornikam izdanila 1955 g no. 7 '56 (DNLM)

[Medical abstracts] Med. ref. zhur., sect. 1 vol. 7 nos. 9, 11 S, N '63. Sect 2 vol. 7 nos. 9-10 S-O '63 Sect 3 vol. 7 no. 11 N '63 Sect 4 vol. 7 nos. 9, 11 S, N '63. Sect. 5 vol. 7 no. 10 O '63. Sect. 6 vol. 7 no. 11 N '63. Sect. 7 vol. 7 nos. 9, 11 S, N '63. Sect. 9 vol. 7 no 11 N '63. Sect. 10 vol. 7 nos. 9-10 S-O '63.

MEDICINE—BIBLIOGRAPHY see Bibliography—Medicine

MEDICINE, EXPERIMENTAL

They risked their lives. G. Kassil'. Nov. mir 39 no. 1, 275-278 Ja '63.

MEDICINE, INDUSTRIAL
(see also subdivision under Lyubertsy; Rostov-on-Don)

From overspending to economy. D. Iakhnovich Okhr truda i sots. strakh. 6 no. 11:21-23 N '63

Results of active outpatient service for alcoholics in the collective of an industrial plant [with summary in English] M. V. Zhuravleva, I. V. Pavlova, S. G. Svimonikov Trudy Gos. nauch.-issl. inst. psikh 38 302-305 '63

MEDICINE, INTERNAL

Orenburg. Gosudarstvennyi meditsinskii institut [Nineteenth Scientific Session of the Orenburg State Medical Institute] XIX Nauchnaia sessiia. Orenburg, 1962. 144 p. [DNLM MICROFILM]

MEDICINE, RURAL see subdivision under Chelyabinsk Province, Kamyshlov District, Moscow Province, Odessa Province

MEDITERRANEAN SEA—OCEANOGRAPHIC RESEARCH

Second Mediterranean oceanographic expedition of the research ship "Akademik S. Vavilov" V. P. Petelin Okeanologiia 1 no. 3:549-553 '61

MEDITERRANEAN SEA—OCEANOGRAPHY

Distribution of the Atlantic and Levantine waters in the Mediterranean Sea. I. M. Ovchinnikov, E. A. Plakhin. Okeanologiia 3 no. 4:642-652 '63.

Specific alkalinity of the surface layer of the Mediterranean Sea based on observations made in the summers of 1959-1960. V. A. Egorova, A. A. Zheleznova. Okeanologiia 3 no. 4:653-665 '63.

MEDITERRANEAN SEA—ROCKS, SEDIMENTARY

New data on the structure of the sedimentary layer of the Mediterranean Sea. V. N. Moskalenko. Dokl. AN SSSR 152 no. 6:1457-1460 O '63.

MEDITERRANEAN SEA REGION—DEFENSES

Clouds again.... A. Vladimirov. Mezhdunar. zhizn' 10 no. 12:112-113 D '63.

MEDULLOBLASTOMA

Late metastasizing of medulloblastomas of the posterior cranial fossa in children [with summary in French]. V. V. Khokhlova Zhur. nevr. i psikh 63 no. 2:172-176 '63.

MEGRI DISTRICT—DIKES (GEOLOGY)

Petrochemical characteristics of dike formations of the adamellite intrusive of the Megri-Ordubad batolith. R. Sh. Azizbekov. Izv. AN Azerb. SSR, Ser. geol.-geog. nauki i nefti no. 3:33-40 '63.

MEKHMANDAROV, ABDUL KERIM, 1854-1929

Unknown materials on A. M. Mekhmandarov (1854-1929), one of the first Azerbaijani physicians N. A. Tairzade Dokl. AN Azerb. SSR 18 no. 12:81-87 '62

MELAMINE—TOXICOLOGY

Materials on the toxicological evaluation of trichlorocyanuric acid and trichloromelamine. L. V. Arkhangel'skaia, T. A. Roshchina. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9:127-130 '61

MELANOIDINS

Melanoidins concentrate from malt sprouts P. V. Kolotusha, P. M. Maltsev. Izv. vys. ucheb. zav., pishch. tekh. no. 1:72-75 '63

MELTING POINTS

Optical method for determining the melting point of graphite as dependent on pressure up to 10,000 atm N. S. Fateeva, L. F. Vereshchagin, V. S. Kolotygin Dokl. AN SSSR 152 no. 2:317-319 S '63

MEMORY

How to improve our memory M. Rogovin Sem'ia i shkola 18 no. 11:14-15 N '63

MENDELEEV, DMITRII IVANOVICH, 1834-1907

Work of D. I. Mendeleev in the Konstantinovskiy Petroleum Refinery V. E. Parkhomenko. Izv. vys. ucheb. zav., neft' i gaz 7 no. 1:117-120 '62.

MENINGES—TUBERCULOSIS

Late results of the treatment of tuberculous meningitis by a compound method in the Moldavian S. S. R. B. S. Kanonova and others Zdravookhranenie 6 no. 3 49-51 My-Je '63

MENINGIOMA

Characteristics of local and general brain changes as reflected in the EEG in parasagittal arachnoid endotheliomas [with summary in French] V. P. Maiorchik, G. A. Gabibov. Zhur. nevr. i psikh. 63 no. 2 195-202 '63

MENINGITIS
(see also subdivision under Tomsk Province)

Anatomical changes of the brain in influenzal psychoses, abstract. V. K. Skobnikova. Kaz. med. zhur. no. 1 116 Ja-F '61

MENINGITIS, CEREBROSPINAL

Nature of the meningococcal toxin [with summary in English] B. G. Trukhmanov. Trudy TomNIIVS 12 297-309 '60

MENINGITIS VIRUSES

Differential diagnosis of serous (aseptic) meningitis of enteroviral etiology (with respect to S. E. Ganzburg's and V. I. Troitskii's article). I. M. Manoim. Pediatriia 42 no. 5:40-42 My '63.

MENSTRUATION

Treatment of amenorrhea, taking into consideration typological characteristics of the nervous system. K. A. Kuryshova. Kaz. med. zhur. no. 1 54-56 Ja-F '61.

MENTAL DEFICIENCY

Etiology of Down's disease. B. V. Lebedev, IU. I. Barashnev. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:44-45 '61.

MENTAL ILLNESS

Adrenaline metabolism and mental disorders [with summary in French]. V. M. Banshchikov, G. V. Stoliarov. Zhur. nevr. i psikh. 63 no. 2 295-303 '63

Mental disorders in systemic lupus erythematosus [with summary in French] V. L. TSeitlin. Zhur. nevr. i psikh 63 no. 2:259-262 '63

MERCANTILE BUILDINGS see subdivision under Georgia

MERCAPTANS see Thiols

MERCHANT MARINE

Brief news. Mor. flot 23 no. 8:45 S '63.

Follow-up of published articles. Mor. flot 23 no. 8:47 Ag '63.

Follow-up of published materials. Mor. flot 23 no. 9:46 S '63.

Prospects for automating the merchant marine transportation process. K. N. Denisov, B. IA. Roginskii. Izv. AN SSSR, Energ. i transp. no. 5:637-644 S-O '63.

The U. S. S. R. merchant marine is growing. V. G. Bakaev. Mor. sbor. 46 no. 7:19-27 Jl '63.

We shall put into practice the resolutions of the Plenum of the Central Committee of the CPSU on the ideological aspects of party work. Mor. flot 23 no. 8:1-2 Ag '63.

MERCHANT MARINE—COST OF OPERATION

Davydov, B. I., and B. IA. Roginskii. [Using linear programming in the economics and operation of the merchant marine] Primenenie lineinogo programmirovaniia v ekonomike i ekspluatatsii morskogo transporta Moskva, Izd-vo "Morskoi transport," 1963. 94 p. (Ekonomika i ekspluatatsiia morskogo transporta)

Zeal and the thrift of ownership. Mor. flot. 23 no. 8:5 Ag '63.

MERCHANT MARINE—TECHNOLOGICAL INNOVATIONS

Propaganda of progressive practices. IU. Izmest'ev. Mor. flot 23 no. 8:32-33 Ag '63.

MERCHANT SEAMEN

Combining ideological training with communist labor. A. Trettiak. Mor. flot 23 no. 8:3-5 Ag '63.

Communists are leading. G. Fedchenko. Mor. flot 23 no. 9:3-5 S '63.

Good reputation. Mor. flot 23 no. 8:46 Ag '63

Guarding the interests of industry. B. Dvorniak. Mor. flot 23 no. 9 6-8 S '63

Higher level of ideological work among seamen. Mor. flot 23 no. 9 1-2 S '63

Outstanding workers in the Vladivostok basher fleet. P. Fisher. Mor. flot 23 no. 8:6-7 Ag '63

MERCHANT SHIPS

Under a pennant of honor. Mor. flot 23 no. 9:33 S '63.

MERCHANT SHIPS—PASSENGER ACCOMODATIONS

New nitro-lacquer coatings on passenger ships. F. Kuz'min. Mor. flot 23 no. 9 34-36 S '63

MERCURATION

Derivatives of anthraquinone. Part 2. Mercuration of anthraquinone. Catalytic sulfonation of anthraquinone. N. S. Dokunikhin, L. A. Gaeva. Zhur. ob. khim. 33 no. 8 2727-2731 Ag '63.

MERCURY

Reaction of diphenylmercury with toluene G. A. Razuvaev and others. Zhur. ob. khim. 33 no. 8:2764-2766 Ag '63.

MERCURY—ANALYSIS

Determination of small amounts of mercury in waters [with summary in English] A. E. Vasilevskaia, V. P. Shcherbakov, A. V. Levchenko. Zhur. anal. khim. 18 no. 7 811-815 Jl '63

MERCURY—PHYSIOLOGICAL EFFECT

Effect of injections of mercury preparations on the biological activity of the blood. TS. M. Berg, E. P. Karpova. Uch. zap. UEIGB 5:263-267 '62.

MERCURY—TOXICOLOGY

Changes in the kidneys following the action of diethyl mercury N. V. Meshkov, I. I. Glezer, P. V. Panov. Arkh. pat. no. 2, 53-59 '63.

MERCURY-ARC RECTIFIERS—TESTING

System for forming and testing high-current mercury rectifiers with medium voltage rating. N. I. Lavrov. Elektrotekhnika 34 no. 9:44-51 S '63.

MERCURY ISOTOPES

Use of radioactive mercury for investigating free radicals in solution. V. P. Kushner. Kin. i kat. 4 no. 4: 517-525 Jl-Ag '63.

MERCURY SALTS

Stereochemistry of the addition of mercury salts to olefins studied by the use of the mercury salt of trinitromethane. N. S. Zefirov, L. P. Prikazchikova, IU. K. Iur'ev. Dokl. AN SSSR 152 no. 4:868-871 O '63

MERCURY SELENIDE—ELECTRIC PROPERTIES

Dependence of the electric properties of thin films of mercury selenide on their thickness. M. V. Kot, V. A. Mshenskii. Trudy po fiz. poluprov. no. 1 70-76 '62.

MERCURY SULFATES

Use of mercuric sulfate in quantitative analysis of olefins and tertiary alcohols. Report No. 2. Determination of tertiary amylenes [with summary in English]. N. M. Buzlanova, N. A. Kozlikhova, N. G. Poliankskii Zhur. anal. khim. 18 no. 9:1125-1127 S '63

MERCURY SULFIDE—OPTICAL PROPERTIES

Optical properties of mercury sulfide. B. F. Bilen'kyi and others. Ukr. fiz. zhur. 8 no. 8:913-915 Ag '63.

MERCURY TELLURIDE

Electric, optical, and photoelectric properties of thin films of the system CdTe - HgTe. M. V. Kot, IU. F. Maronchuk. Trudy po fiz. poluprov. no. 1:131-141 '62

MERCURY TELLURIDE—ELECTRIC PROPERTIES

Dependence of the electric properties of thin films of mercury telluride on their thickness. M. V. Kot, IU. E. Maronchuk. Trudy po fiz. poluprov. no. 1:77-84 '62.

MESHKOV, IVAN ANDREEVICH, 1918-1943

Oren, V. G. [Along the road of courage] Dorogoi muzhestva. Petrozavodsk, Gos. izd-vo Karel'skoi ASSR, 1962. 62 p. (MH)

MESITYLENE

Redistribution of methyl groups in the iteraction of naphthalene with p-xylene and mesitylene on aluminosilicates. B. G. Gavrilov, L. F. Stepina. Neftekhimiia 3 no. 4:511-514 Jl-Ag '63.

MESITYLENE—SPECTRA

Synthesis and ultraviolet absorption spectra of decylxylenes, decylmesitylene, and cyclopentylxylenes. A. A. Shimanko, E. S. Pokrovskaia, V. I. Sidorenko. Neftekhimiia 1 no. 3:297-304 My-Je '61

MESONS

Babelev, F. G. [Conformal mapping of a Lobachevskii plane on a Euclidean strip and its application to the kinematics of relativistic particles] Primenenie konformnogo otobrazhenila ploskosti Lobachevskogo na evklidovu polosu k kinematike relativistskikh chastits Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1963. 30 p., fold diagrs. [Summary in English in insert]

Contribution of $^3P_1$, $^3F_3$-waves to meson production in pp-collisions at an energy of 660 Mev. [with summary in English]. L. Bystritskii, R. Zul'karneev. Zhur. eksp. i teor. fiz. 45 no. 4:1169-1173 O '63.

The $\pi + N \rightarrow \pi + \gamma + N$ reaction and the constants of photoproduction of π-mesons on π-mesons [with summary in English]. V. A. Meshcheriakov, L. L. Nemenov, L. D. Solov'ev. Zhur. eksp. i teor. fiz. 45 no. 4:1186-1191 O '63.

Phenomenological analysis of pp-interaction at 657 Mev. Part 1 [with summary in English]. L. S. Azhgirei and others. Zhur. eksp. i teor. fiz. 45 no. 4:1171-1182 O '63.

MESONS—DECAY

Derivation and solution of a system of integral equations describing the amplitudes of τ and χ decays of K^+ mesons. V. A. Shakhbazian. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 16 no. 5:107-110 '63.

MESONS—SCATTERING

Infrared characteristics of matrix elements in scalar electrodynamics [with summary in English]. L. D. Solov'ev, Iu. IA. Ushin. Zhur. eksp. i teor. fiz. 45 no. 4:1202-1207 O '63.

Processes determined by fermion Regge poles [with summary in English]. V. Gribov, L. Okun', I. Pomeranchuk. Zhur. eksp. i teor. fiz. 45 no. 4:1114-1122 O '63.

Regge narrowing of the diffraction cone and the role of multiple-meson interactions [with summary in English]. E. L. Feinberg, D. S. Chernavskii. Zhur. eksp. i teor. fiz. 45 no. 4:1252-1259 O '63.

MESROP, Saint, d. 441

Korium, Bp., fl. 445-451. [Life of Mesrop. Translated from the Armenian] Zhitie Mashtotsa. Predisl. K. A. Melik-Ogandzhanian. Kommentarii Sh. V. Smbatiana. Erevan, Aipetrat, 1962. 102 p. port. fold. map. (NNC)

METABOLISM

Potential antimetabolites. Part 9: Substituted pyrimidyl-1-alkanecarboxylic esters. Iu. P. Shvachkin, M. K. Bereznenko. Zhur. ob. khim. 33 no. 10:3132-3135 O '63.

Some characteristics of the interrelation between nitrogen and energy metabolism in the ontogenesis of hens. I. N. Shindarovskaia. Shor. rab. mol. uch. VNIIP no. 4:177-182 '62.

METABOLISM, DISORDERS OF

Hereditary metabolic diseases. V. P. Efroimson. Arkh. pat. no. 2:79-85 '63.

METACINNABAR see subdivision under Transcarpathia

METAL CLEANING

Cleaning aluminum and magnesium alloy castings with aluminum sand. A. I. Vasiliskova, M. M. Devkin. Alium. splavy no. 1:220-229 '63.

Cleaning hot-rolled metal with a stiff metal brush. M. A. Mottakhov, V. S. Sokukvadze, A. G. Seminikhin. Svar. proizv. no. 10:40-41 O '63.

Electrochemical cleaning of petroleum products from the surface of metal. V. G. Gleim and others. Izv. vys. ucheb. zav.; neft i gaz 5 no. 1:87-91 '63

Hydroabrasive treatment of springs made of patented BI wire. V. P. Ostroumov. Metalloved. i term. obr. met. no. 11:42-43 N '63.

METAL CRYSTALS—DEFECTS

Effect of the crystal structure imperfections in hardened steel on the martensite decomposition process. L. I. Lysak, A. G. Drachinskaia. Fiz. met. i metalloved. 16 no. 3:370-377 S '63.

METAL CRYSTALS—GROWTH

Collecting recrystallization of polycrystals with macroscopic porosities. IA. E. Geguzin, L. N. Paritskaia. Fiz. met. i metalloved. 12 no. 6:900-907 D '61.

Obtaining ultrapure InSb crystals by the zone melting method. K. I. Vinogradova, V. V. Galavanov, D. N. Nasledov. Fiz. met. i metalloved. 16 no. 3:385-393 S '63.

METAL CRYSTALS—MAGNETIC PROPERTIES

High-frequency magnetic susceptibility of tetragonal and rhombohedral weak ferromagnetic materials. N. G. Guseinov. Fiz. met. i metalloved. 12 no. 6:795-800 D '61.

METAL CRYSTALS—MODELS

Modeling the process of cast iron modification on transparent crystals. A. P. Liubchenko, D. G. Sherman, I. A. Tananko. Fiz. met. i metalloved. 16 no. 3:378-384 S '63.

METAL CRYSTALS—TESTING

Magnetization processes of ferromagnetic materials in the region of strong magnetic fields. Part 3. Investigating, on single crystals, the law of magnetization approaching saturation. V. V. Parfenov, IU. P. Lobastov. Fiz. met. i metalloved. 16 no. 3:334-342 S '63.

METAL CUTTING

Device for the determination of cutting conditions. I. Bugrimenko. Mashinostroitel' no. 11:36 N '63.

Dynamic characteristics of metal cutting. V. A. Kudinov. Stan. i instr. 34 no. 10:1-7 O '63.

Methods for the investigation and selection of cutting conditions for automatic production lines. G. I. Granovskii. Vest. mashinostr. 43 no. 10:46-55 O '63.

Modern equipment for cutting and bending reinforcing steel. N. E. Nosenko. Mekh. stroi. 20 no. 8:25-28 Ag '63.

New literature for machine-tool operators. Mashinostroitel' no. 11:44-45 N '63.

METAL CUTTING, ELECTRIC see Electric metal cutting

METAL-CUTTING TOOLS

Combined two-edge boring cutters. N. Kinzhalov. Mashinostroitel' no. 11:24 N '63.

Cutters for fine planing. S. G. Kononenko. Mashinostroitel' no. 11:16 N '63.

Effect of atomized fluids on the strength of metal-cutting tools with hard-alloy tips. D. N. Troitskaia. Vest. mashinostr. 43 no. 10:63-68 O '63.

Geometrical analysis of round rotating cutting tools. A. N. Reznikov, I. S. Kushner, V. I. Kirshbaum. Izv. vys. ucheb. zav.; mashinostr. no. 7:201-213 '63.

High-speed heads equipped with cutters having hard alloy bits used without regrinding. I. N. Demidov, E. Bondarev. Avt. prom. 29 no. 8:39 Ag '63.

It is time to revise cutting-tool norms. A. S. Boronin. Mashinostroitel' no. 11:40 N '63.

Pinion-shaped cutters with optimum geometry. V. F. Romanov. Stan. i instr. 34 no. 9:1-4 S '63.

Profiling tools for cutting toroid gears. A. I. Grinchenko. Stan. i instr. 34 no. 9:6-8 S '63.

Technological possibilities of machining pinion-shaped cutters by shaving. S. B. IAkubson. Stan. i instr. 34 no. 9:5-6 S '63.

Ways for increasing the production level and a wide introduction of hard-alloy and diamond cutting tools. I. V. Gellert. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10:92-94 '63.

METAL-CUTTING TOOLS—PRODUCTION STANDARDS see subdivision under Uzbekistan

METAL-CUTTING TOOLS—STANDARDS

A new state standard is needed. I. Savchenko. Mashinostroitel' no. 11:30 N '63.

METAL DETECTORS

Experience of a year's use of MA-1 metal detectors in ore dressing plants. S. G. Makhnev, E. I. Argunov. Nauch. trudy VNIIasbest no. 3:110-115 '62.

METAL INDUSTRIES see subdivision under Bulgaria

METAL INDUSTRIES—HYGIENIC ASPECTS

Effect of wastes of a metallurgical plant on the health of the population. N. A. Efimov and others. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9:73-76 '61.

METAL SPRAYING

Metallization in a protective medium. M. D. Nedzel'skii. Mashinostroitel' no. 11:15 N '63.

METALATION

Esters of α-metalated carboxylic acids. Preparation of esters of trialkylstannyl- and trialkylgermanylacetic acid from esters of mercuri-bis-acetic acid. I. F. Lutsenko, IU. I. Baukov, B. N. Khasapov. Zhur. ob. khim. 33 no. 9:2724-2727 Ag '63.

METALLIC FILMS

Electronography of the oxidation of thin scandium films. O. P. Naumkin, D. V. Ignatov. Izv. AN SSSR. Met. i gor. delo no. 5:141-144 S-O '63.

Production, structure and some properties of single-crystal lead selenide films. S. A. Semiletov, I. P. Voronina. Dokl. AN SSSR 152 no. 6:1350-1353 O '63.

METALLIC OXIDES

Interaction of ferrites with molten salts and metal oxides. L. M. Viting, K. G. Khomiakov. Vest. Mosk. un. Ser. 2: Khim. 18 no. 5:39-40 S-O '63.

Kinetics of the dissolution of silicon, aluminum and magnesium oxides in fused oxides. G. S. Ershov, E. A. Popova. Izv. AN SSSR. Met. i gor. delo no. 5:73-79 S-O '63.

Toropov, N. A., and V. P. Barzakovskii. [High temperature chemistry of silicate and other oxidic systems] Vysokotemperaturnaia khimiia silikatnykh i drugikh okisnykh sistem. Moskva, Izd-vo Akad. nauk SSSR, 1963. 257 p.

METALLOGRAPHY

New developments in research. I. N. Varnavskii and others. Stal' 23 no. 10:940-941 O '63.

METALLURGICAL FURNACES

New developments in research. I. N. Varnavskii and others. Stal' 23 no. 10:950 O '63.

Ways of developing methods of calculating furnace efficiency. M. A. Glinkov. Izv. vys. ucheb. zav., chern. met. 6 no. 9:189-193 '63

METALLURGICAL FURNACES—FLUID DYNAMICS

Calculating mixing processes in coaxial turbulent flows. V. A. Arutiunov. Izv. vys. ucheb. zav., chern. met. 6 no. 9:194-201 '63.

METALLURGICAL PLANTS see subdivision under Karaganda Province

METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION
(see also subdivision under Karaganda Province; Orsk region)

Design of a new type of dressing plant for dressing magnetites. L. L. Shapovalov, B. N. Kulikov. Prom. stroi. 41 no. 10:10-14 O '63.

Pavilion-type buildings of the ore-dressing industry. V. F. Khrushchev. Prom. stroi. 41 no. 10:5-10 O '63.

Unify the parameters of buildings and installations of sintering and dressing factories. A. F. Kovalenko and others. Prom. stroi. 41 no. 10:2-5 O '63.

METALLURGICAL PLANTS—EQUIPMENT AND SUPPLIES

Design of a precast reinforced concrete element for dump cars. A. IA. Zhilinkova, I. IA. Luchkovskii, I. S. Khozanovskii. Biul. stroi. tekh. 20 no. 10:45 O '63.

METALLURGICAL PLANTS—FIRES AND FIRE PREVENTION see subdivision under Kazakhstan

METALLURGICAL PLANTS—SAFETY MEASURES

Babalov, A. F. [Protection from heat radiation] Zashchita ot teplovykh izluchenii. Moskva, Metallurgizdat, 1963. 56 p. (Bibliotechka po okhrane truda v metallurgii)

METALLURGICAL PLANTS—STANDARDS

Standardized sections of buildings for the foundry, forging and pressing industries. Biul. stroi. tekh. 20 no. 10:6-7 O '63.

METALLURGY

Differential spectrophotometric determination of iron in the products of titanium and magnesium industry [with summary in English]. V. N. Tikhonov, N. D. Rychkova. Zhur. anal. khim. 18 no. 9:1131-1133 S '63.

METALLURGY, VACUUM see Vacuum metallurgy

METALS

Effect of small amounts of metal impurities on the value of hydrogen overvoltage on zinc in concentrated alkaline solutions. T. I. Popova, V. S. Bagotskii, B. N. Kabanov. Zhur. prikl. khim. 36 no. 8:1743-1748 Ag '63.

"A history of metals" [in English] by L. Aitchison. Reviewed by V. A. Pazukhin. Sov. arkheol. 7 no. 3:265-271 '63.

Metal plus polymer. V. Chornohorenko. Nauka i zhyttia 12 no. 3:16-17 Mr '63.

METALS—ANALYSIS

Composition and extractibility of nitrone-thiocyanate complexes of some metals. A. S. Babenko, V. N. Tolmachev. Trudy Kom. anal. khim. 14:160-171 '63.

Determination of the total content of rare earths in the presence of large amounts of other elements. G. IA. Gornyi, E. F. Gavrilova. Ukr. khim. zhur. 29 no. 8:859-863 '63.

Determination of ultrasmall zinc impurities in salts of some metals by the use of the dithiozone method. N. P. D'iachenko, V. T. Chuiko. Trudy Kom. anal. khim. 14:303-304 '63.

Extraction of diethyldithiocarbamates in the analysis of various materials from the metallurgical production. N. P. Strel'nikova. Trudy Kom. anal. khim. 14:305-311 '63.

Extraction of metal compounds with pyrazolidinethiocarbamates. V. M. Byr'ko. Trudy Kom. anal. khim. 14:191-201 '63.

Extraction-photometric method for determining the sum of heavy metals by means of sodium diethyldithiocarbamate [with summary in English]. A. B. Blank, N. T. Sizonenko, A. M. Bulgakova. Zhur. anal. khim. 18 no. 9:1046-1050 S '63.

METALS—ANALYSIS (Continued)

Spectrophotometric study of the interaction of trivalent aluminum and hexavalent molybdenum ions with xylenol orange. Determination of aluminum and molybdenum in uranium [with summary in English] B. Budeshinskii. Zhur. anal. khim. 18 no. 9:1071-1074 S '63.

Use of C_7 - C_9 fatty acids for separating iron and copper from nickel [with summary in English] S. E. Freimer, N. V. Tuzhilina, A. S. Tomekhov. Zhur. anal. khim. 18 no. 9:1080-1082 S '63.

METALS—BIBLIOGRAPHY see Bibliography—Metals

METALS—CONGRESSES

Third Interuniversity Conference on the Strength and Plasticity of Metals. IU. Terminasov. Metalloved. i term. obr. met. no. 11:63-64 N '63.

METALS—ELECTRIC PROPERTIES

Development of superconducting materials. I. M. Cavitashvili, V. V. Baron. Izv. AN SSSR. Met. i gor. delo no. 5:3-12 S-O '63.

Diffusion potential in metals and electrolytes. B. S. Bokshtein. Izv. vys. ucheb. zav., chern. met. 6 no. 9:133-135 '63.

Studying the potentials of copper, cadmium, and zinc in a sulfuric acid zinc electrolyte. V. A. Shestakova. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 1:103-111 '63.

METALS—FATIGUE

Investigating the wear of metals in massecuite media. N. A. Sologub. Sakh. prom. 37 no. 11:29-30 N '63.

METALS—FINISHING

Metal in a plastic coating. I. IA. Al'shits. Priroda 52 no. 9:97 '63.

METALS—HARDENING

Some problems of plastic flow in a polygonal strip. G. IA. Gun, P. I. Polukhin. Izv. vys. ucheb. zav., chern. met. 6 no. 8:85-92 '63.

METALS—HEAT TREATMENT

Korotin, I. M., and G. F. Sgibnev. [Specialist in the heat treatment of metals] Termist. Moskva, Profizdat, 1963. 279 p.

METALS—TESTING

Effect of alternating plastic deformations on metal breakdown conditions due to cyclic heating. N. S. Mozharovskii. Izv. vys. ucheb. zav.; mashinosti. no. 8:110-116 '63.

Guide to flaw detection for the industrial services of steamship lines. Mor. flot 23 no. 8:46 Ag '63.

METALS, EFFECT OF TEMPERATURE ON

Calculating the resistance of metals to plastic deformation depending on the rate of deformation and the temperature. S. A. Seregin. Izv. vys. ucheb. zav.; chern. met. 6 no. 8:82-84 '63.

Determining the time necessary for metal failure under the effect of varying stresses and temperatures. V. I. Nikitin. Izv. AN SSSR. Met. i gor. delo no. 5:116-120 S-O '63.

Effect of temperature on the criteria of stress relaxation in metals. L. A. Oding, I. I. Aleshkin. Izv. AN SSSR. Met. i gor. delo no. 5:98-112 S-O '63.

Effect of the chemical composition of steels on their strength characteristics at various temperatures. L. D. Sokolov. Stal' 23 no. 10:930-933 O '63.

Effect of thermal vibrations in solid solutions on the intensity of regular reflections of X rays and neutrons and the intensity of Mossbauer's lines. M. A. Krivoglaz, E. A. Tikhonova. Fiz. met. i metalloved. 12 no. 6:801-813 D '61.

Internal friction in invar, depending on temperature, carbon content, intensity of magnetization and time factor. I. B. Kekalo, B. G. Livshits. Fiz. met. i metalloved. 12 no. 6:838-845 D '61.

Investigating the temperature-time dependence of the resistance to deformation in metals and steel. L. D. Sokolo... ...chern. met. 6 no. 8:93-

...V. A. Likhachev, G. A. ...red. 16 no. 3:435-443 S

...aluminum, iron, silicon, ...ering surface and mineral ...thermal solutions in al... no. 17,15-32 '63.

...RES

...], [Equipment for working ...ufacture of electron ...dlia obrabotki tugoplav... ...nom proizvodstve. Mo... ...79 p.

...vanadium carbide at ...liamovskii, P. V. Gel'd... ...no. 5:134-140 S-O '63.

...he mechanical properties ...mperatures. M. M. ...G. Zhuravlev. Fiz. met. i ...S '63.

High-temperature X-ray examination of the intermediate transformation of austenite in an iron-nickel-carbon alloy. A. V. Belotskii, V. G. Permiakov, F. D. Petrosian. Izv. AN SSSR. Met. i gor. delo no. 5:126-128 S-O '63.

Investigating conditions of high-temperature deformation of high-melting metals. V. L. Orlekhovskii and others. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:88-91 '63.

Kinetics of creep in single crystals of metals and alloys at high temperatures. B. IA. Pines, E. E. Badilian, V. F. Khizhkovyi. Fiz. tver. tela 5 no. 10:2859-2870 O '63.

METALWORK

[Handbook for mechanical engineers in six volumes] Spravochnik mashinostroitelia v shesti tomakh. Red. sovet N. S. Acherkan i dr. Moskva, Mashgiz.
Vol. 5 Book 1. Pod red. E. A. Satel'. Izd. 3., ispr. i dop. 1963. 451 p.

Mutsenek, K. IA., and E. Z. Rozental'. [Use of magnetic methods in assembly work] Primenenie magnitnykh metodov pri sborke izdelii. Leningrad, 1963. 16 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Mekhanicheskaia obrabotka metallov, no. 11)

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.
Pt. 1. Sec. V. ch. 12. [Metals and metal products] Metally i metallicheskie izdeliia (SNiP I-V. 12-62). 1963. 38 p.

METALWORKERS
(see also subdivision under Karaganda; Leningrad)

Alesha's happiness; sketch. V. Chachin. Sov. profsoiuzy 19 no. 20:24-25 O '63.

METALWORKERS—DISEASES AND HYGIENE

Vladimirova, M. G., and L. I. Grekhova. [Harmful substances and the control of their content in the air of gold-recovery plants] Vrednye veshchestva i kontrol' soderzhaniia ikh v vozdukhe zolotoizvlekatel'nykh fabrik i zavodov. Moskva, Gosgortekhizdat, 1963. 13 p.

METALWORKING LUBRICANTS

Effect of atomized fluids on the strength of metal-cutting tools with hard-alloy tips. D. N. Troitskaia. Vest. mashinosti. 43 no. 10:63-68 O '63.

METAPHOR

Metaphores and metaphoric combinations in the Kazakh language [in Kazakh with summary in Russian]. B. Khasanov. Vest. AN Kazakh. SSR 18 no. 4:52-60 Ap '62.

METASOMATISM

Geochemistry of lithium in the processes of postigneous metasomatosis. A. A. Beus. Trudy MIGRE no. 7:50-60 '61.

METASTASIS

Late metastasizing of medulloblastomas of the posterior cranial fossa in children [with summary in French]. V. V. Khokhlova. Zhur. nevr. i psikh. 63 no. 2:172-176 '63.

Metastatic cancer of the brain with the primary source in the lungs and bronchi and the limits of surgical intervention [with summary in French]. IA. M. Pavlonskii. Zhur. nevr. i psikh. 63 no. 2:167-171 '63.

Staining of regional lymph nodes of the neck before their excision in cancer of the lower lip as a method of detection of metastases. M. A. Mustafin. Kaz. med. zhur. no. 2:14-17 Mr-Ap '63.

METEORITES
(see also subdivision under Sikhote-Alin' Range)

Reflection of radio waves in space. F. Chestnov. Tekh. mol. 31 no. 8:37 '63.

METEOROLOGICAL OPTICS
(see also subdivision under Kazakhstan)

Conference on Actinometry and Atmospheric Optics, held in Moscow. E. M. Feigel'son. Vest. AN SSSR 33 no. 10:102-103 O '63.

Importance of atmospheric optics for astrophysics. V. G. Fesenkov. Trudy Astrofiz. inst. AN Kazakh. SSR 3:6-13 '62.

Twilight method for studying the optical properties of the atmosphere [with summary in English]. V. G. Fesenkov. Trudy Astrofiz. inst. AN Kazakh. SSR 3:214-235 '62.

METEOROLOGY

Anomaly of present weather conditions and the centennial cycle of solar activity. M. S. Eigenson. TSir. Astron. obser. L'viv. un. no. 39/40:92-94 '63.

METEOROLOGY—BIBLIOGRAPHY see Bibliography—Meteorology

METEOROLOGY—CONGRESSES

Fourth Congress of the World Meteorological Organization. K. T. Logvinov. Meteor. i gidrol. no. 10:47-51 O '63.

METEOROLOGY—OBSERVATIONS see subdivision under Russia, Northern

METEOROLOGY—RESEARCH see subdivision under Kazan

METEOROLOGY, AGRICULTURAL

Maksimov, S. A. [Weather and agriculture] Pogoda i sel'skoe khoziaistvo. Leningrad, Gidrometeoizdat, 1963. 201 p. (DNAL)

Method for long-range forecasting of agrometeorological conditions governing the formation of the yield of winter wheat. E. S. Ulanova. Meteor. i gidrol. no. 11:12-20 N '63.

METEOROLOGY, MARITIME

Some problems concerning the methods of meteorological observations in the open sea. IU. A. Volkov. Okeanologiia 3 no. 4:706-711 '63.

The technique of calculating the heat balance elements of the ocean surface. R. S. Bortkovskii. Okeanologiia 1 no. 3:512-521 '61.

METEOROLOGY IN AERONAUTICS

Matveev, L. T., and P. I. Smirnov. [Principles of aviation meteorology] Osnovy aviatsionnoi meteorologii, odobreno Glavnym Shtabom Voenno-Vozdushnykh Sil v kachestve uchebnogo posobiia dlia kursantov aviatsionnykh uchilishch i shkol VVS Sovetskoi Armii. Moskva, Voenizdat, 1955. 334 p.

METEORS

Estimation of heat transfer by radiation for large meteors moving in the atmosphere at great speed. I. V. Nemchinov, M. A. Sikulin. Geomag. i aer. 3 no. 4:635-646 Jl-Ag '63.

Radio emission from a meteor trail. IU. A. Medvedev. Geomag. i aer. 3 no. 5:981-983 S-O '63.

Scattering cross section of a meteor track simulated by a point source of ionization. IU. K. Kalinin. Geomag. i aer. 3 no. 4:779-781 Jl-Ag '63.

METHACRYLIC ACID

Synthesis of butadiene and methyl methacrylate copolymers and the basic properties of sulfurous vulcanizates made on their base. N. M. Mironova and others. Kauch. i rez. 22 no. 10:1-5 O '63.

Synthesis of glycol esters of methacrylic acid. I. A. Arbuzova, L. I. Medvedeva, S. K. Zakharov. Zhur. prikl. khim. 36 no. 8:1833-1837 Ag '63.

METHANE

Pyrolytic method for quantitative determination of methyl bromide in fumigated grain and grain products. F. P. Sergeev, N. I. Sosedov. Trudy VNIIZ no. 44:59-65 '63.

Reactions of diphenylmethylene and carbethoxycarbene with alkenylsilanes. I. A. D'iakonov and others. Zhur. ob. khim. 33 no. 10:3136-3139 O '63.

METHANOL

Interaction of Δ^3-carene oxide with methyl alcohol in the presence of sodium methylate. Z. G. Isaeva, I. S. Andreeva. Dokl. AN SSSR 152 no. 2:342-345 S '63.

Photochemical decomposition of alcohols at low temperatures. Kinetics of methyl alcohol decomposition. R. N. Shelimov, N. V. Fok, V. V. Voevodskii. Kin. i kat. 4 no. 4:539-548 Jl-Ag '63.

Radiation-chemical synthesis of ethylene glycol and formaldehyde from methanol. Khim. Khon. Zil. A. V. Zimin, V. A. Sharpatyi. Khim. prom. no. 7:492-495 Jl '63.

METHANOL—SPECTRA

Infrared spectral method for determining α-methylstyrene, dimethylphenylcarbinol and isopropylbenzene. V. A. Terent'ev, M. A. Shaburov, A. N. Ivanova. Neftekhimiia 1 no. 4:567-572 Jl-Ag '61.

METHANOL—THERMAL PROPERTIES

Investigation of cooling properties of methyl alcohol at pressures (98-392) 10^5 newton per square meter [with summary in English]. I. T. Aladiev, L. I. Maikina, P. I. Povarnin. Inzh.-fiz. zhur. 6 no. 10:83-87 O '63.

METHANONAPHTHALENE

Catalytic conversions of 1,4-endomethylenedecahydronaphthalene and 1,4,5,8-diendomethylenedecalin. A. F. Plate, N. A. Belikova, S. IA. Kirichenko. Neftekhimiia 1 no. 4:494-500 Jl-Ag '61.

METHIONINE

Incorporation of methionine-S^{35} into the proteins of bone marrow and spleen in acute radiation sickness and the effect of bone marrow transplantation on this process. V. A. Revis. Radiobiologiia 2 no. 6:913-925 '62.

METHODIUS, Saint, Archbishop of Moravia, 810-885

Slav Apostles Saint Cyril and Methodius. K. Komarov. Zhur. Mosk. Patr. no. 8:49-56 Ag '63.

METHOXY GROUP

Microdetermination of methoxy groups in certain polyfunctional derivatives of xylitol and sorbitol [with summary in English]. A. I. Lebedeva, E. S. Pisarenko. Zhur. anal. khim. 18 no. 7:892-894 Jl '63.

METHOXYLATION

Synthesis of derivatives of carboxylic acids from carbon monoxide, olefins, and acylable compounds. Part 11 Effect of the pressure of carbon monoxide on the course of the reaction of carbomethoxylation of isobutylene and isobutyl alcohol. IA, T. Eidus, T. A. Kaal. Zhur. ob. khim. 33 no. 10 3283-3290 O '63.

METHYL GROUP

Thermodynamics of the reaction of demethylation of toluene and cresols with water vapor. T. A. Slovokhotova, A. A. Balandin, [Ui Tsia-tun [Yü Chia-yung]. Khim. prom. no. 7 513-517 Jl '63

METHYLATION

Homogeneous demethylation of toluene. Report No. 2. Experiments with gas cycling. A.Z. Dorogochinskii and others. Neftekhimiia 1 no. 1:501-504 Jl-Ag '61.

Synthesis and study of derivatives of phenylthiocarbohydrazide - carbothiophenylamide Part 2 Reaction of derivatives of phenylthiocarbazide- carbothiophenylamide with methylating agents and alkali R. G. Dubenko, P. S. Pel'kis. Zhur. ob. khim. 33 no. 8 2682-2687 Ag '63

MIASS—AUTOMOBILE INDUSTRY

A great start. R. Danelian. Za rul. 21 no. 8,10 Ag '63.

MICA

Identification of micas. D. K. Arkhipenko, T. N. Grigor'eva, IA. A. Kovalo Rent. min. syr. no. 2:46-51 '62.

MICHURINSK—COMMUNITY CENTERS

We are working at the place of the workers' residence I. Vorontsov, V. Prokhorov. Polit samoobr. 7 no. 7 10h-11h Jl '63.

MICROBIOLOGICAL RESEARCH

The IVNe aerosol chamber. I. I. Terskikh, V. M. Bolotovskii, I. V. Kashin Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 33-41 '61

MICROBIOLOGY—CONGRESSES

Second Congress of the All-Union Microbiological Society. S. I. Lycheva. Izv. AN SSSR, Ser. biol. 28 no. 5,779-780 S-O '63.

MICROBIOLOGY—LABORATORY MANUALS

Labinskaia, A. S. [Laboratory manual on microbiological research methods] Prakticheskoe rukovodstvo po mikrobiologicheskim metodam issledovaniia. Moskva, Medgiz, 1963. 462 p.

MICROCHEMISTRY

Micromethod for the simultaneous determination of carbon, hydrogen, and sulfur contents. N. P. Fedorovskaia, A. A. Zakharova. Trudy IGI 21,179-181 '63.

MICROCLIMATOLOGY see subdivision under Alay Valley

MICRO-ORGANISMS, NITROGEN-FIXING
(see also subdivision under Latvia; Sevan Lake region; Ukraine)

Biology of nitrogen-fixing bacteria of the genus Clostridium and the nutrition of plants. V. T. Emtsev. Trudy Inst. mikrobiol. no. 11:91-101 '61.

Fixation of molecular nitrogen by cell-free preparations from microorganisms [with summary in English]. V. I. Liubimov. Izv. AN SSSR, Ser. biol. 28 no. 5,681-692 S-O '63.

Interrelations between the nodule bacteria of alfalfa and micro-organisms in the rhizosphere of perennial grasses. A. Klimcare. Trudy Inst. mikrobiol. no. 11 202-210 '61.

Lyophilized cultures of nodule bacteria, their activity and virulency. IU. S. Borodulina. Trudy Inst. mikrobiol. no. 11:211-214 '61.

Recent discoveries on the nitrogen fixing ability of plants. F. IU. Gel'tser. Zemledelie 25 no. 10:58-63 O '63.

Some characteristics of nodule bacteria in symbiosis. Z. M. IAkovleva. Trudy Inst. mikrobiol. no. 11,196-201 '61.

Variability of nodule bacteria inside the nodules of leguminous plants [with summary in English]. N. A. Krasil'nikov, T. A. Melkumova. Izv. AN SSSR Ser. biol. 28 no. 5,693-706 S-O '63.

MICROPHOTOGRAPHY

Microphotocopying of documentary materials. G. A. Belov. Vop. arkh. 8 no. 2,13-24 Ap-Je '63.

Modernizing traditional card catalogs by using microphotocopying. S. A. Lipkin, G. G. Vorob'ev, L. P. Shchegolev. NTI no. 7:9-11 '63.

Russian machine for microreproduction and the reading of microfilms. NTI no. 5:37-38 '63.

MICROSCOPE

The UIM-23 universal measuring microscope. V. A. Nikitin, E. P. Smirnova. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 52-54 '63.

MICROSCOPY

Friction surfaces of plastics examined under high-degree magnification. Sh. M. Bilik, IU. B. IAsson. Trudy TSNII MPS no. 207:5-11 '63.

MICROSPECTROPHOTOMETRY

Determination of the localization of nucleoproteids in the oocytes of the frog (Rana temporaria) by the methods of ultraviolet and luminescence microscopy. V. N. Shaimovich, N. S. Gabaeva. Dokl. AN SSSR 152 no. 6 1461-1464 O '63.

MICROSPORUM

Proteolytic enzymes of Microsporum ferrugineum Ota 1922 and Microsporum lanosum Sabouraud 1907. Report No. 3. F. T. Sukhenko. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2 123-127 '63.

MICROTOME

Simple attachment to the freezing microtome for continuous cooling of a knife. V. I. Beliaevich, S. M. Rombe. Trudy VIZH 24 434-436 '62.

MICROWAVES

Absorption of electromagnetic radiation by water vapors on 10µ±2cm waves in the upper atmospheric strata. S. A. Zhevakin, A. P. Naumov. Geomag. i aer. 3 no. 1 666-678 Jl-Ag '63.

Computation of the lowest applicable frequencies and other short-wave communication quantities by means of electronic computers. Sh. G. Shlionskii, V. A. Gorbacheva Geomag. i aer. 3 no. 4 711-716 Jl-Ag '63.

Kukharkin, E. S., and B. V. Sestroretskii. [Electrical strength of waves guides] Elektricheskaia prochnost' volnovodnykh ustroistv. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 451 p.

MIDDENDORF, ALEKSANDR FEDOROVICH, 1815-1894

Page from the past of Russian geography; A. F. Middendorf's life and work V. B. Sochava. Sib. geog. sbor no. 2 215-236 '63.

MIDDLE AGES

East German students of the Middle Ages study the uprisings of the 14th century in European cities A. D. Liublinskaia. Sred. veka no. 24 259-268 '63

Materials of P. N. Kudriavtsev's archives. S. A. Asinovskaia. Sred. veka no. 24 303-312 '63

"F. N. Granovskii's lectures on the history of the Middle Ages," Reviewed by I. F. Ivashin. Sred. veka no. 24 276-280 '63.

MIDDLE AGES—BIBLIOGRAPHY see Bibliography—Middle Ages

MIDDLE AGES—HISTORY

Semenov, V. F. [Album on the history of the Middle Ages] Al'bom po istorii srednikh vekov, posobie dlia uchitelei i studentov. Moskva, Gos. uchebno-pedagog. izd-vo, 1960. 343 p. (chiefly illus.) (IaU)

MIDDLE EAST see Near East

MILITARY AERONAUTICS see Aeronautics, Military

MILITARY AIRPLANES see Airplanes, Military

MILITARY ART AND SCIENCE—BIBLIOGRAPHY see Bibliography—Military art and science

MILITARY ASSISTANCE see subdivision under Africa

MILITARY BASES see subdivision under Arabia

MILITARY BASES, FRENCH see subdivision under Bizerta

MILITARY CEREMONIES, HONORS, AND SALUTES

Salute. V. Afanas'ev. Znan.-sila 38 no. 5:55 My '63.

MILITARY COMMUNICATIONS see Communications, Military

MILITARY DEMOLITION see Demolition, Military

MILITARY EDUCATION
(see also subdivision under Kazan)

Cadets carry out exercises. N. Kurylev. Voen. vest. 41 no. 1:81-83 Ja '62.

Combat readiness above all. I. A. Pliev. Voen. vest. 41 no. 11:11-16 '61.

Commission for the propaganda of military knowledge. G. Vasil'ev. Voen. znan. 39 no. 10:17-18 O '63.

Constant attention to the military and patriotic education of our youth. G. Shatunov. Voen. znan. 39 no. 10:3-5 O '63.

Daily detail; organization and methodology of conducting exercises. N. Mikheev. Voen. vest 41 no. 11:62-63 N '61

The guarantee of success lies in the education of soldiers. V. Batishchev. Voen. vest. 41 no. 1:87-90 Ja '62.

In the interests of education. S. Iovlev. Voen. vest. 41 no. 1:57-60 Ja '62.

"Individual evaluation"; discussion of the article published in No. 4. S. Kostromin and others. Voen. vest. 43 no. 7:71-74 Jl '63.

Lessons of the Spartakiada. N. Kreps. Voen. znan. 39 no. 10:31 O '63.

Mastery is forged in the field. A. Bednagin. Voen. vest. 43 no. 7:56-59 Jl '63.

Peregudov, K. V. [Combat readiness What does it mean?] Boevaia gotovnost' Chto eto znachit ? Moskva, Voenizdat, 1963 58 p (Molodomu soldatu i matrosu o voinskoi sluzhbe)

Prepare for the new academic year in a model manner. Voen. vest 41 no. 11:7-9 N '61.

Seniors help the juniors A. Dudchenko, A. Ishchenko Voen. vest. 41 no. 11:51-53 N '61

Source of our strength I. G. Pavlovskii. Voen. vest. 41 no. 11 16-17 N '61.

Tirelessly strengthen civil defense! Voen. znan. 39 no. 10 1-2 O '63.

Training field for night exercises. M. Svetushkov. Voen. vest 41 no. 1,113-114 Ja '62.

We are getting ready for the starts. Kh. Krutik Voen. znan. 39 no. 10 18 O '63.

We both teach and educate. A. Tarusin. Voen. vest. 43 no. 7,71-76 Jl '63.

MILITARY EDUCATION—BIBLIOGRAPHY see Bibliography—Military education

MILITARY ENGINEERING

Always forward. M. Kondrat'ev. Voen. vest 43 no. 7 36-37 Jl '63.

Don't forget about quality. V. Kornilov. Voen. vest 41 no. 11 92-93 N '61

Engineer reconnaissance in an area of nuclear contamination. P. Makarov. Voen. vest. 43 no. 7,48-49 Jl '63.

Fruits of persistent work. N. Shepelev. Voen. vest. 43 no. 7 26-29 Jl '63.

How success was achieved. V. Levin, K. IAkovlev. Voen. vest. 43 no. 7 29-31 Jl '63.

Soldiers with the ensignia of the engineer troops. A. Proshliakov. Voen. vest. 43 no. 7 23-26 Jl '63.

Use of aerial photographs in engineer reconnaissance. E. IAsin. Voen. vest. 41 no. 11 93-97 N '61.

MILITARY ENGINEERS

It began on the Chagan. N. Shilin. Sov. voin. 45 no. 20 18-19 O '63.

MILITARY FIELD ENGINEERING

Sappers carry out reconnaissance in winter V. Rodionov Voen. vest. 41 no. 1 90-93 Ja '62.

Solution of engineer tasks. P. Emel'ianov. Voen. vest 41 no. 1 30-32 Ja '62.

MILITARY MINES see Mines, Military

MILITARY MUSEUMS see subdivision under Sokolovo (Kharkov Province)

MILITARY RADAR see Radar, Military

MILITARY RADIO see Radio, Military

MILITARY RECONNAISSANCE

Chemical reconnaissance scouts. B. Fedorov. Voen. znan. 39 no. 10:10-11 O '63.

Engineer reconnaissance in an area of nuclear contamination. P. Makarov. Voen. vest. 43 no. 7,48-49 Jl '63.

Members of the landing force conduct reconnaissance. IA. Samoilenko. Voen. vest. 43 no. 7 13-16 Jl '63.

Organization of combined observation in a division. I. Lange. Voen. vest. 43 no. 7:80-81 Jl '63.

Reconnaissance group on an offensive. S. Ryzhov. Voen. vest. 43 no. 7 41-43 Jl '63.

Reconnaissance in modern combat. I. Aleshin. Voen. vest. 43 no. 7 38-41 Jl '63.

Reconnaissance is conducted by a rifle company. T. Isachenko, Z. Moseev. Voen. vest. 43 no. 7:60-64 Jl '63.

Reconnaissance training in an area of nuclear contamination. I. Kuz'kin. Voen. vest. 43 no. 7:67-71 Jl '63.

Role and tasks of artillery reconnaissance. A. Pikin. Voen. vest. 43 no. 7:46-48 Jl '63.

Tank company on reconnaissance. G. Safonov. Voen. vest. 41 no. 11:35-37 N '61.

MILITARY SERVICE, COMPULSORY see subdivision under Great Britain

MILITARY SHOOTING see Shooting, Military

MILITARY STREAM CROSSING see Stream crossing, Military

MILITARY TRANSPORTATION see Transportation, Military

MILITARY VEHICLES see Vehicles, Military

MILK—ANALYSIS AND EXAMINATION

Adaptive variations in lactic phosphatases and the mammary glands in cows. V. V. Kovel'skii, I. A. Shumkova. Dokl. AN SSSR 152 no. 6 1467-1470 O '63.

Changes in vitamin C content of milk occurring during storage under various conditions. E. S. Fomicheva. Sbor. stud. rab. MTIMMP no. 7,28-30 '62.

MILK—ANALYSIS AND EXAMINATION (Continued)

Complexometric methods of determining the calcium and magnesium content in sheep's milk [with summary in English] G. Kalichova Vop. pit. 22 no. 1 62-65 Ja-F '63

Content of microelements in the milk of animals and humans F. P. Grebennikova, V. R. Soroka, E. V. Sabadash. Vop. pit. 22 no. 1 87-88 Ja-F '63

Effect of urea on the accuracy of the luminescent express method for determining protein in milk. S. V. Bone, P. N. Sidorenko. Dokl. AN BSSR 7 no. 10 696-699 O '63.

Fate of a discovery. Tekh. mol. 30 no. 8 17 '62.

Light determines the fat content of milk. S. Kunev. Tekh. mol. 31 no. 8 18 '63.

Methods for separating butterfat. V. P. Aristova, S. E. Vlasova. Dokl. TSKHA no. 69:69-71 '61.

Rapid method of determining the strontium-90 content in milk [with summary in English] M. M. Golubina, T. A. Krizavova, IU. M. Nikolaev. Vop. pit. 22 no. 1 66-69 Ja-F '63

Refractometric method of determining the dried defatted residue of milk [with summary in English]. G. P. Prostakishin, P. E. Shvedich. Vop. pit. 22 no. 1 57-59 Ja-F '63

MILK—COMPOSITION

Composition and quality of milk in Bestuzhev cows raised on various food rations. S. I. Sazhin. Dokl. TSKHA no. 69:73-80 '61.

Effect of trace elements fed to cows during pregnancy on their content in colostrum and milk. N. A. Lukashik, E. E. Kolotseva, Z. F. Tabakova. Dokl. TSKHA no. 69: 95-102 '61.

MILK—CONTAINERS

Comparative economic efficiency of packaging milk in glass and paper containers. M. B. Danchenko. Izv. vys. uchebn. zav.; pishch. tekh. no. 4:7-11 '63

MILK—THERAPEUTIC USE

Treating cows with an acute form of mastitis by using hot milk (48°C) combined with antibiotics. V. I. Bespal'ko. Sbor. stud. rab. MTIMMP no. 7 59-62 '62

MILKING see subdivision under Mongolia

MILKING MACHINES

Power unit for milking machines. V. Andrianov and others. Tekh. v sel'khoz. 23 no. 8 37-39 Ag '63.

MILKING MACHINES—MAINTENANCE AND REPAIR

Repairing a vacuum pump. O. Zlochevskii. Tekh. v sel'khoz. 23 no. 6 37 Je '63.

MILKY WAY

Revision of interstellar light absorption in the Galaxy [with summary in English]. A. S. Sharov. Astron. zhur. 40 no. 5, 900-911 S-O '63.

MILLES, CARL, 1875-1955

Carl Milles. K. Kravchenko. Iskusstvo 26 no. 6:56-62 '63.

MILLET
(see also subdivision under Georgia)

Study of salt-soluble proteins in the seeds of the millets Setaria pharium and S. italica by paper electrophoresis. V. S. Shvarts, V. G. Klimenko. Trudy po khim. prirod. soed. no. 5 53-57 '62

MILLING MACHINERY

Colloid mill. IU. P. Chuvaev. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 70-71 '63.

MILLING MACHINES—NUMERICAL CONTROL

Correction of equidistant curves in numerically controlled milling machines [with summary in English] K. Leppik. Izv. AN Est. SSR Ser. fiz.-mat. i tekh. nauk 12 no. 3 263-272 '63

MINDANAO TRENCH—AMPHIPODA

Deep-sea pelagic amphipods of the Philippine Trench [with summary in English]. IA. A. Barshtein, M. E. Vinogradov. Trudy Inst. okean. 71:81-93 '63.

MINE ACCIDENTS see subdivision under Donets Basin

MINE DRAINAGE

Assembly of mine drain pipes. I. A. Logachev. Stroi. truboprov. 8 no. 9, 21-22 S '63.

Draining operating gas producing sections Nos. 8 and 9 in the Moscow Station "Podzemgaz." N. E. Efremchkin, R. S. Khromskaia. Nauch. trudy VNIIPodzemgaza no. 9 22-28 '63.

Preliminary results of draining a section of the southern Sinel'nikovo experimental underground coal gasification station. R. I. Antonova, N. E. Fisenko. Nauch. trudy VNIIPodzemgaza no. 9:43-47 '63.

MINE DUSTS

Efficiency in the use of mist sprayers. V. V. Dilakov, V. I. Kovalev. Prom. vent. no. 9 125-130 '60.

MINE DUSTS—TESTING

Selecting a spot for taking specimens in determining the intensity of dust formation during various industrial operations. V. V. Dilakov, V. I. Kovalev. Prom. vent. no. 9 131-134 '60

MINE FILLING
(see also subdivision under Kuznetsk Basin)

Economic use of rich iron ores from the Krivoy Rog Region. A. A. Kovshulia. Met. i gornorud. prom. no. 5 42-45 S-O '63.

Effect of filling the mined-out area on the bearing capacity of pillars. M. I. Agoshkov, A. L. Trebukov. Nauch. soob. IGD 18 104-107 '63.

Results of observations of the performance of shifting mesh fencing and fill. V. B. Bokii, N. V. Nedodaev, V. IA. Reznichenko. Ugol' 38 no. 9 26-30 S '63.

MINE FIRES

Effect of the method of coal-mine field development on the origination of spontaneous fires. S. Dzhurabekov. Izv. AN Uz. SSR Ser. tekh. nauk 7 no. 4 59-61 '63.

Low temperature oxidation of coals and rocks. V. D. Karpukhin, I. L. Zhislina. Nauch. trudy KHGI 11 27-36 '62.

MINE GASES

All-Union seminar on the study of the state of degassing work in coal mines. F. IA. Rozenberg. Ugol' 38 no. 9 62 S '63

Characteristics of water ring vacuum pumps used in degassing coal mines. V. P. Alliferov and others. Ugol' 38 no. 9 54 S '63

Irregularity of methane escape in walls of coal mines. B. A. Annenkov. Nauch. soob. IGD 18 39-52 '63.

Role of subordinate development workings in the gas balance of hydraulic sections in mining systems with short stopes. S. F. Poplavskii. Nauch. soob. IGD 18 53-59 '63.

Tapping coal seams subject to outbursts of coal and gas. V. S. Lukianov. Shakht. stroi. 7 no. 8 13-15 Ag '63.

MINE HAULAGE
(see also subdivision under Donets Basin)

"Combined Transportation in pits" by L. G. Tymovskii, N. V. Mel'nikov. Gor. zhur. no. 10:77-78 O '63.

Reducing the amount of work required to move small mining shields. A. K. Pogorelov. Gor. khoz. Mosk. 37 no. 7 46-47 Jl '63.

MINE HOISTING

Dynamic horizontal loads on the lining of vertical mine shafts. O. A. Zalesov. Shakht. stroi. 7 no. 8 4-9 Ag '63.

MINE HOISTING—EQUIPMENT AND SUPPLIES

Eye for joining a hoisting vehicle with a steel cable. G. D. Lyska, V. I. Bondarenko. Gor. zhur. no. 10:72 O '63.

MINE HOISTING—SAFETY APPLIANCES

Apparatus for protecting hoists. G. V. Tarasevich, L. I. Tarasevich, A. P. Solokha. Gor. zhur. no. 10:51-52 O '63.

Getting emergency drives for the winches of emergency stairs which are not dependent on the general power network. IU. M. Blazhko. Nauch. trudy KHGI 11:54-60 '62.

MINE MANAGEMENT

Improvement of planning and stimulation of interest in bonuses on the part of miners (discussion of the article by A. V. Baronenkov). V. V. Osmolovskii and others. Gor. zhur. no. 10:22-24 O '63.

[Industrial organization and planning in the ore mining industry] Organizatsiia proizvodstva i planirovanie v gornorudnoi promyshlennosti [By] V. V. Osmolovskii i dr. Moskva, Gosgortekhizdat, 1963. 351 p.

MINE PUMPS

Automation of water emptying systems. L. F. Prozorov. Energetik 11 no. 11:13-14 N '63.

MINE PUMPS—ELECTRIC DRIVING

Development of the design of bearing discs for the electric drives of 8AP and 8APV sinking pumps. D. M. Khokhlovkin. Shakht. stroi. 7 no. 8:20-21 Ag '63.

MINE RAILROADS—CARS

Moving dumper. K. I. Kruglov. Gor. zhur. no. 10:70-71 O '63.

MINE ROOF BOLTING

Anchor bolt of plasticized wood. A. G. Ukhimenko, B. P. Sture. Ugol' 38 no. 9:20-22 S '63.

Punch-type stull rod bolting. D. I. Gots, V. A. Kichaev, N. I. Sidorenko. Shakht. stroi. 7 no. 8:30-31 Ag '63.

MINE ROOF BOLTING—TERMINOLOGY

Anchor or rod (mining terms)? A. P. Semenov and others. Nauch. soob. IGD 19:201-203 '63.

MINE ROOF BOLTING—TESTING

Testing various designs of rod bolting. I. [illegible], V. A. Rublov. Shakht. stroi. [illegible] no. 8 [illegible] Ag '63.

MINE SURVEYING

Profiling vertical mine shafts from a p[illegible]. M. P. Popin and others. Shakht. stroi. [illegible] Ag '63.

MINE TIMBERING
(see also subdivision under Kuznetsk Basin)

Danchich, V. V., and V. B. Alekseev. [Use of [illegible] supports during horizontal and inclined mine [illegible] tions] Opyt primeneniia vremennoi krepi pri gorizontal'nykh i naklonnykh gornykh vyrabotkakh. Moskva, TSentr. in-t tekhn. informatsii i [illegible] promyshl. 1962. 21 p. (Seriia, "Tekhnika i [illegible] nosti i gornospasatel'noe delo.")

[Mine timbering]

Practice of working with loose of metal supp[illegible]. Gurbanov. Ugol' 38 no. 9 18-19 S '63.

Results of observations of the performance [illegible] mesh fencing and fill. V. B. Bokii, N. V. [illegible], V. IA. Reznichenko. Ugol' 38 no. 9 [illegible]

Study of the stability of curvilinear shapes of [illegible] ports on volume-file models. G. N. Kuz[illegible], Kazak, V. I. Shuman. Nauch. trudy VNIImol[illegible] no. 9 18-23 '63.

MINE TIMBERING—EQUIPMENT AND SUPPLIES

Study of some parameters of new materials for timbering. N. K. Gogoev. Nauch. soob. [illegible] 115 '63.

MINE VENTILATION
(see also subdivision under Donets Basin)

Characteristics of mines by the difficulty of [illegible] of ventilation. S. I. Ugovskii, G. S. Dyad[illegible] zhur. no. 10:61-67 O '63.

Determination of thermophysical constants [illegible] operating conditions. V. A. Bogolavlenskii [illegible] trudy KHGI 11 3-15 '63.

Efficient length of stoping with regard to the [illegible] in the panel-pillar system of working. G. A. [illegible] E. A. Mallyshev. Vent. AN Kazakh. SSR [illegible] S '63.

Equalizing the movement in a ventilation [illegible] two fans operating in parallel. T. I. Mat[illegible] Soob. AN Gruz. SSR 30 no. 3 631-638 My '63.

Mass exchange (humidity exchange) in mines [illegible] voruchko. Nauch. trudy KHGI 11 16-21 '63.

New method of determining from a jet the [illegible] geous area of the transverse section of work[illegible] deepest depression of the mine. N. G. Spiri[illegible] 38 no. 9 45-48 S '63.

Reply to the article "Ventilation of open-pit [illegible] jet engine" by B. A. Semenenko, G. A. Be[illegible] V. G. Kibal'nikov, A. V. IAgupov. Gor. [illegible] 76 O '63.

Ventilating a mine section with the collector [illegible] the hanging wall of the ore body. A. M. Vol[illegible] Punfilov, A. A. Ustimenko. Met. i gornorud. [illegible] no. 4 76-77 Jl-Ag '63.

MINE WATER

Reinforcing rocks with a solution of tar and [illegible] additives. V. V. Davydov. Shakht. stroi. [illegible] Ag '63.

MINERAL INDUSTRIES see subdivision under Kola Peninsula

MINERAL METABOLISM

Breed-related differences in mineral metabolism [illegible] bones. E. S. Kulikov. Sbor. rab. med. uch. VMIM [illegible] 103-202 '62.

Effect of a salt-free diet on arterial pressure and [illegible] eral metabolism in hypertension [with summary in [illegible] lish]. V. I. Patrushev. Vop. pit. 22 no. 1 27-[illegible] '63.

MINERAL OILS

Effect of chemical composition of oils on their sta[illegible] during oxidation. S. E. Krein, I. A. Rubinshtein, [illegible] Popova. Neftekhimiia 3 no. 4 584-593 Jl-Ag '63

MINERAL OILS—TESTING

Complex laboratory methods of testing oils based [illegible] various property indices. K. K. Papok, N. [illegible] K. S. Ramaia. Khim. i tekh. topl. i masel 8 [illegible] 58 O '63.

MINERAL WOOL

Spinneret-blowing method of producing mineral [illegible] wares on a mineral wool base. G. V. Meshkov. mat. 9 no. 7, 18-22 Jl '63.

MINERALOGICAL CHEMISTRY

Determination of the earths in acids in rocks [illegible] T. A. Burova. Trudy IGEM no. 88, 41-42 '63

Experimental study of geochemical conditions in the f[illegible] mation of beryllium containing willemite. B. P. [illegible] Trudy IMGRE no. 7:79-82 '61.

MINERALOGISTS

Ireshin, A. K. [Ivan Evstaf'evich Vlasov, a Russian voivode and mineralogist of the 17th century] Ivan Evstaf'evich Vlasov - voevoda-ludoznatets XVII v. Moskva, Izd-vo Akad. nauk SSSR, 1963. 45 p. (Nauchno-biograficheskaia seriia)

MINERALOGY

Dumanova, A. M. [Rock-forming minerals] Porodoobrazuiushchie mineraly. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 174 p

Isomorphism of minerals in the Bi_2S_3-Bi_2Se_3 system; experimental study. I. B. D'iachkova Trudy IMGRE no. 7:150-155 '61.

Lazarenko, E. K. [Fundamentals of genetic mineralogy] Osnovy genetícheskoi mineralogii. [L'vov] Izd-vo L'vovskogo univ., 1963. 409 p

MINERALS
(see also subdivision under Kafan region; Pripet Valley, Tuva A.S.S.R.)

Accessory minerals and the absolute age of igneous rocks. V. V. Liakhovich. Trudy IMGRE no. 7:212-225 '61.

MINERALS—ANALYSIS

Methods of quantitative determination of ferrous oxide in raw materials. A. L. Kondrasheva Ogneupory 28 no. 10:475-478 '63.

MINERALS IN FOOD

Mineral nutrition of farm animals and the use of stock licks. P. E. Fveseev. Trudy VIZH 24,223-238 '62.

MINERALS IN PLANTS

Characteristics of mineral nutrition in corn [with summary in English]. N. E. Mishustina. Izv. AN SSSR, Ser. biol. 28 no. 5:755-762 S-O '63.

Differential centrifugation of plant cell structures with regard to their microelement content [with summary in English]. P. A. Vlasiuk and others. Izv. AN SSSR. Ser. biol. 28 no. 5:653-667 S-O '63.

MINERS see subdivision under South Africa, Republic of

MINERS—DISEASES AND HYGIENE

Vitamin A content in the body of miners [with summary in English]. O. A. Shovkoplias. Vop. pit. 22 no. 1:47-50 Ja-F '63

MINERS—EDUCATION AND TRAINING see subdivision under Mirgalimsay

MINES, MILITARY

We improve mine-planting methods. V. Shvydko, N. Morozov. Voen. vest. 41 no. 11:87-90 N '61.

MINES AND MINERAL RESOURCES see subdivision under Dzhida Valley; Sivash

MINES AND MINERAL RESOURCES—ELECTRONIC EQUIPMENT

Calculation of the permeance of an inductive transducer with complex configuration. Z. T. Tikhomirova, V. P. Bukhgol'ts. Elektrichestvo no. 11:72-76 N '63.

MINGECHAUR RESERVOIR—SHRIMPS

Transportation of shrimps to Mingechaur and Varvara Reservoirs. A. G. Kasymov. Ryb. khoz. 38 no. 11:36-37 '62.

MINING ENGINEERING
(see also subdivision under Krivoy Rog Basin)

Boring and ore loading at the "Sendvis" mine [translated by I. S. Maiboroda]. Met. i gornorud. prom. no. 4:84-95 Jl-Ag '63.

Classification of one-stage working of thick ore deposits with caving of ore and enclosing rocks. M. D. Fugzan. Nauch. soob. IGD 18:88-99 '63.

Determining the place in mine blocks for putting shafts across the pitch of layer formations. M. I. Ustinov. Nauch. soob. IGD 18:3-12 '63.

Distribution of ore losses in stoped-out areas. V. R. Bezukh, A. K. Polishchuk. Met. i gornorud. prom. no. 5:46-48 S-O '63.

Improving systems and technology for underground mining of thick ore deposits in connection with the use of new forms of mechanization, in connection with the All-Union Conference in Moscow. Nauch. soob. IGD 18:204-210 '63.

Investigating the breaking off of ores by concentrated borehole groups using an electrohydrodynamic analogy method. V. M. Zakalinskii. Izv. AN SSSR. Met. i gorn. delo no. 5:159-166 S-O '63.

Mine construction workers are active participants in the building of communism. Shakht. stroi. 7 no. 8:1-4 Ag '63.

"Rapid drifting" by B. L. Nifontov. V. N. Semevskii, D. M. Bronnikov, A. F. Nazarchik. Gor. zhur. no. 10:79-80 O '63.

Reply to the article by F. M. TSyba "Improved double drift mining system." A. L. Malets, A. M. Fed'ko. Ugol' 38 no. 9:59-60 S '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat
Pt. 2. Sec. M ch. 4 [Underground workings of enterprises for mining minerals, norms for planning] Podzemnye gornye vyrabotki predpriatii po dobyche poleznykh iskopaemykh, normy proektirovaniia (SNiP II-M. 4-62). 1963. 51 p

Study of the principles of butt ore recovery through a slot. N. V. Dronov, S. L. Iofin, V. V. Shkarpetin. Gor. zhur. no. 10:27-31 O '63.

MINING ENGINEERING—BIBLIOGRAPHY see Bibliography—Mining engineering

MINING ENGINEERING—HYGIENIC ASPECTS see subdivision under Kuznetskiy District

MINING ENGINEERING—LABOR PRODUCTIVITY

Criteria of labor consumption of systems for working flat and inclined vein deposits. L. A. Mamsurov Nauch. soob. IGD 18:100-103 '63

MINING ENGINEERING—MODELS

Modeling the drawing of ore from blocks with sloping walls. G. A. Meshkovskii. Met. i gornorud. prom. no. 5:68-71 S-O '63.

MINING ENGINEERING—PERIODICALS

Conference of the readers of the periodical "Gornyi zhurnal" held in Dokuchayevsk. A. Volgenshtein, E. Golenishcheva. Gor. zhur. no. 10:71 O '63.

MINING ENGINEERING—TECHNOLOGICAL INNOVATIONS see subdivision under Karaganda Basin; Mirgalimsay

MINING INDUSTRY—STANDARDS

"Underground mining. Regulations of production and acceptance of work." Biul. stroi. tekh. 20 no. 8:10-11 Ag '63.

MINING INDUSTRY AND FINANCE see subdivision under Turkey

MINING MACHINERY
(see also subdivision under Russia, Northern)

The BPM-1 boring and loading machine. V. A. Maksimov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11:14-16 '63.

Systems of distance-type and remote control of the operation of mine apparatus. V. M. Popov. Gor. zhur. no. 10:46-50 O '63.

Using the UP-3 machine in rapid driving of an inclined drift. A. A. Ostapenko, A. V. Liakhov, Shakht. stroi. 7 no. 8:21-24 Ag '63.

MINING MACHINERY—TESTING

Methodology of testing and designing the chain traction part of plows. Iu. D. Krasnikov. Nauch. soob. IGD 18:132-135 '63.

MINOAN INSCRIPTIONS see Inscriptions, Minoan

MINOR PLANETS see Planets, Minor

MINSK—BIOMETRY—STUDY AND TEACHING

Measures for intensifying the biometric training of the students of biology at the White Russian State University. P. F. Rokitskii. Prim. mat. metod. v biol. no. 2:18-20 '63.

MINSK—DEPARTMENT STORES

Department store of the tractor plant workers in Minsk. E. Koziulia. Sov. torg. 36 no. 8:50-51 Ag '63.

MINSK—MOTORCYCLE INDUSTRY

Voluntary design office "Sport." R. IArov. Za rul. 21 no. 6:6 Je '63.

MINSK—SOCIALIST COMPETITION

Good friendship grows and strengthens. A. Alekseev. Nar. khoz. Uzb. 5 no. 10:60 O '63.

MINSK—TURBINES—TECHNOLOGICAL INNOVATIONS

Their demands are justified. I. Malinovskii. Sov. profsoiuzy 19 no. 19:15 O '63.

MINSK—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Daughter of the party Ul. Fedoseenka. Rab. i sial. 39 no. 7:6-7 Jl '63.

MINSK PROVINCE—STOCK AND STOCKBREEDING

Hers is a heroic life too. Ales' Rybak. Rab. i sial. 39 no. 7:10-12 Jl '63.

MINT (BOTANY)

Variability of the chemical characteristics in Mentha sachalinensis. A. G. Nikolaev, S. M. Perebinos, L. Panutsa. Trudy po khim. prirod. soed. no. 5:93-104 '62.

Variability of the chemical characteristics of the Caucasian mint (Mentha caucasica Brig) reproduced by seeds. M. N. Kubrak. Trudy po khim. prirod. soed. no. 5:37-44 '62

MINUSINSK BASIN—ANTIQUITIES

Monuments of the Karasuk-Tagar transition period in the Minusinsk Basin N. L. Chlenova. Sov. arkheol. 7 no. 3:48-66 '63

MINUSINSK BASIN—JOINTS (GEOLOGY)

Results of the study of the lithology and petrography of Paleozoic fractured rocks in the Bashkirian part of the Ural Mountain region, the southern Minusinsk Basin, and the Irkutsk amphitheater. L. P. Gmid. Trudy VNIGRI no. 121:187-216 '58.

Some data on Devonian fractured rocks in the southern Minusinsk Basin based on the materials on macrofractured rocks. T. V. Dorofeeva Trudy VNIGRI no. 121:156-168 '58.

MIRGALIMSAY—MINERS—EDUCATION AND TRAINING

Study and work walk side by side. A. Oleinikov. Nar. khoz. Kazakh. 21 no. 8:51-52 Ag '63.

MIRGALIMSAY—MINING ENGINEERING—TECHNOLOGICAL INNOVATIONS

Study and work walk side by side. A. Oleinikov. Nar. khoz. Kazakh. 21 no. 8:51-52 Ag '63.

MIRNYY REGION, ANTARCTICA—ATMOSPHERE

Interception layer in the lower atmosphere over Mirnyy (according to 1961 data) A. I. Shcherbakov. Inform. biul. Sov. antark. eksp. no. 35:26-27 '62.

MISINS, JANIS, 1862-1945

Noted Latvian librarian. B. Kalnacha. Bibliotekar' no. 9:60 S '63.

MISSIONARIES see subdivision under China

MITES see subdivision under Brasovskiy District

MITIAEV, KONSTANTIN GRIGOR'EVICH

A party in honor of our historians and archivists. Ist. arkh. 8 no. 2:238 Mr-Ap '62.

MITOCHONDRIA

Mechanochemical activity and the permeability of the membranes of the mitochondrias of normal and tumoral cells. T. B. Kazakova, S. A. Neifakh. Dokl. AN SSSR 152 no. 2:471-474 S '63.

MIUS VALLEY—ROCKS—DENSITY

Some recent data on the density of sedimentary rocks in the southern outskirts of the Donets Basin. T. S. Lebedev, N. T. Sobakar Dop. AN URSR no. 12:1601-1605 '61.

MIXING MACHINERY

Batch-type laboratory mixers. A. L. Isaenko. Khim. mashinostr. no. 3:7-8 My-Je '63.

Heat exchange in mixers operating with viscous liquids. A. S. Kapustin. Khim. mashinostr. no. 3:17-22 My-Je '63.

Starting power of mechanical mixers. Shandor Kolcsetsh. Khim. mashinostr. no. 3:12-14 My-Je '63.

MODULAR COORDINATION (ARCHITECTURE)

Modular system, unification and standard in architecture. D. Khazanov. Arkhit. SSSR no. 8:20-26 '63.

MÖSSBAUER EFFECT

Effect of anharmonic vibrations of the lattice on the intensity of the Mossbauer line. I. O. Marushko. Ukr. fiz. zhur. 8 no. 8:835-843 Ag '63.

Interpretation of the resonance absorption of γ-quanta by some complex iron compounds with allowance for the covalence of bonds and induction effects. A. V. Ablov, I. B. Bersuker, V. I. Gol'danskii. Dokl. AN SSSR 152 no. 6:1391-1394 O '63.

Temperature study of Mossbauer spectra on Fe^{57} and Sn^{119} nuclei in the antiferromagnetic compound $FeSn_2$. V. I. Nikolaev, IU. I. Shcherbina, S. S. IAkimov. Zhur. eksp. i teor. fiz. 45 no. 4:1277-1280 O '63.

MOGILEV—TRACTOR INDUSTRY

Tractors used in construction. D. Rogovin, L. Voinich. Za rul. 21 no. 6:10-11 Je '63.

MOGILEV-PODOL'SKIY REGION—RUNOFF

Mudflow in the Mogilev-Podol'skiy region. N. S. Nemeliuk. Meteor. i gidrol. no. 11:51-52 N '63.

MOHAMMEDANISM
(see also subdivision under Kzyltu District)

Marx and Engels on Islam M. Baiunskii Nauka i rel. no. 2:77-80 F '63.

MOHAMMEDANISM—DICTIONARIES

Let us unmask the efforts of the Mohammedan clergy to find a place in our society. T. Izimbetov. Komm. Uz. 35 no. 10:68-76 O '63.

MOISTURE

Determining the coefficient of moisture transfer in tobacco. N. N. Alekseev. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:136-140 '63.

Experimental investigation of moisture transfer in the capillary border area [with summary in English]. N. I. Il'in, N. V. Churaev. Inzh.-fiz. zhur. 6 no. 10:115-120 O '63.

MOISTURE (Continued)

Mechanism of the moisture effect on the radiosensitivity of seeds [with summary in English]. N. A. Pomazkova [and] MOIP Otd biol. 7 207-212 '64

MOISTURE—MEASUREMENT

Automatic device for indicating the termination of the steaming process for clothing goods with various moisture contents. I. V. Orlov, V. P. Dubrovnyi. Leh prom. no. 3 3-7 Jl-S '63.

Determination of the moisture diffusion coefficient for grainy materials [with summary in English]. A. S. Ginzburg, V. P. Dubrovskii. Inzh.-fiz. zhur. 6 no. 10, 27-32 O '63.

Electron VMI-2 moisture meter. A. A. Bystrov. Khleb. i kond. prom. 7 no. 10 34-35 O '63.

Equipment for the automatic assaying for moisture of asbestos ores following their drying. T. M. Pogadaeva, E. I. Argunov. Nauch. trudy VNIIasbest no. 3 104-110 '62.

Film method for determining moisture content of compressed yeast. S. S. Novakovskaia. Khleb. i kond. prom. 6 no. 1 38-40 Ja '62.

Rapid method for determining moisture content in by-products and bones. N. Sukharev, O. Bulycheva, V. Shmeleva. Mias. ind. SSSR 34 no. 5 51 '63

MOISTURE IN BUILDING MATERIALS

New method of determining the thermal gradient coefficient of moisture transport in building materials. I. V. Venikov, Kuan Lu-Chi, [Huang Fu-Ch'in]. Strol. mat. 9 no. 7 35-36 Jl '63.

MOKHOVOYE DISTRICT—FOREST SOILS

Effect of the root systems of trees on soil microflora. S. V. Egorova. Soob. Lab. lesoved. AN SSSR no. 6 153-166 '62.

MOKHOVOYE DISTRICT—RHIZOSPHERE MICROBIOLOGY

Effect of the root systems of trees on soil microflora. S. V. Egorova. Soob. Lab. lesoved. AN SSSR no. 6 153-166 '62

MOLASSES

Determining of invert sugar in molasses. R. I. Gol'dfarb, V. G. Koval'. Trudy UkrNIISP no. 5:153-159 '59.

Efficient flow sheet for the processing of molasses in the distilling industry. A. L. Malchenko. Trudy UkrNIISP no. 5.77-87 '59.

Increasing the operative efficiency of filter presses in the manufacture of molasses. S. T. Bykova. Sakh. prom. 37 no. 11 61-63 N '63

Optimum concentration of molasses. I. N. Kaganov. Sakh. prom. 37 no. 11 18-21 N '63.

MOLASSES—ANALYSIS

Biochemical method for determining fermentable sugar in molasses. R. I. Gol'dfarb, P. L. Danilenko, V. G. Koval'. Trudy UkrNIISP no. 5 161-173 '59.

Methods for determining sugar content and alcohol yield of defective molasses. Z. A. Raev, K. K. Bazilevich. Trudy UkrNIISP no. 5.103-112 '59.

Taking of representative samples of molasses. A. U. Mamunia. Trudy UkrNIISP no. 5:113-122 '59.

MOLDAVIA—APPLE—WATER REQUIREMENTS

Water balance of periodically fruiting apple trees [with summary in English]. L. A. Filippov, I. G. Fulga. Izv. AN SSSR. Ser. biol. 28 no. 4:588-593 Jl-Ag '63.

MOLDAVIA—ARCHIVES

Transactions of the Central State Archives of Moldavia. V. N. Zhogin, V. G. Nikitina. Vop. arkh. 8 no. 2 104-107 Ap-Je '63.

MOLDAVIA—ARTESIAN WELLS

Artesian water in Moldavia and the sanitary and technical conditions of its use. M. G. Onoprienko, V. G. Shunkaruk. Zdravookhranenie 6 no. 3 9-12 My-Je '63.

MOLDAVIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

The backbone of organizational work. Komm. Mold. 8 no. 10:2-7 O '63.

Party news. Komm. Mold. 8 no. 8:79-80 Ag '63.

Party news. Komm. Mold. 8 no. 10:78-80 O '63.

The party organization and propagandists. G. Eliguashvili. Polit. samoobr. 7 no. 11:80-83 N '63.

MOLDAVIA—COMMUNIST YOUTH LEAGUE

Efficient helpers of the party. G. Lavranchuk. Komm. Mold. 8 no. 10.8-13 O '63.

MOLDAVIA—EVAPORATION (METEOROLOGY)

Total evaporation in Moldavia and the Ukraine. R. N. Oleinik, L. I. Sakali. Trudy UkrNIGMI no. 31 114-132 '62.

MOLDAVIA—INDUSTRIAL MANAGEMENT

Let us improve the guidance of the assistance groups and posts of the party control of industrial enterprises. Komm. Mold. 8 no. 10:26-32 O '63.

MOLDAVIA—INDUSTRIES

Make fuller use of available materials and equipment. M. Krivenstev, B. Akerson. Komm. Mold. 8 no. 8:33-37 Ag '63.

MOLDAVIA—MACHINERY INDUSTRY

A way to improve our planning. E. Artem'ev. Komm. Mold. 8 no. 8 38-41 Ag '63.

MOLDAVIA—MEDICINE—CONGRESSES

Brief news. Zdravookhranenie 6 no. 3 63-64 My-Je '63.

MOLDAVIA—MEDICINE, PREVENTIVE—CONGRESSES

Address of the participants of the Fifth Republic Conference of the Representatives of Preventive Medicine to all medical personnel of the Moldavian S. S. R. Zdravookhranenie 6 no. 3 3-5 My-Je '63

MOLDAVIA—POLITICS AND GOVERNMENT

Let us disseminate the experience and improve the work of the agencies of state and party control. P. Voronin. Komm. Mold. 8 no. 8:2-10 Ag '63.

MOLDAVIA—STANDARDIZATION

Seminar on standardization in the Moldavian S. S. R. D. I. Popov. Standartizatsiia 27 no. 10 47-48 O '63

MOLDAVIA—STOCK AND STOCKBREEDING

Specialization of the individual branches of stockbreeding. D. Pushko. Komm. Mold. 8 no. 10 37-41 O '63.

MOLDAVIA—WATER—POLLUTION

Artesian water in Moldavia and the sanitary and technical conditions of its use. M. G. Onoprienko, V. G. Shunkaruk. Zdravookhranenie 6 no. 3 9-12 My-Je '63

MOLDAVIA—WATER RESOURCES DEVELOPMENT

Effective use of the natural resources of the Prut Valley. K. Ponko. Komm. Mold. 8 no. 8:29-32 Ag '63.

MOLDAVIAN PERIODICALS

If you give your word to your readers you should keep it. A. Golubitskii. Komm. Mold. 8 no. 8:72-77 Ag '63.

MOLDING (FOUNDING)

Casting into chill molds from wooden patterns. B. A. Arkuzov and others. Avtom. svarka no. 1 182-191 '63.

Correcting defects in molding with pastes based on epoxy resin. V. V. Logvin. Trakt. i sel'khozmash. 33 no. 8 43-44 Ag '63.

Making steel castings with the use of sand-marshalite molding mixtures. Iu. P. Vasin. Izv. vys. ucheb. zav., chern. met. 6 no. 9:185-188 '63.

Using wet cores in producing large thin-walled castings. I. M. Khumashtian. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10 25-27 '63.

MOLE (DERMATOLOGY)

Nucleoproteins in pigmented nevi, precancerous and cancerous diseases of the skin in man [with summary in English]. G. S. TSeraidis. Vest. derm. i ven. 36 no. 10:22-27 O '62.

MOLECULAR ASSOCIATION

Bimolecular preassociation of polyatomic molecules. E. E. Nikitin. Dokl. AN SSSR 152 no. 6 1395-1398 O '63.

MOLECULAR ORBITALS

Determination of the structure of polymers by the MO LKAO method [with summary in English]. N. P. Borisova, L. P. Bokacheva. Vest. LGU 18 no. 16:120-126 '63.

Use of symmetry in the method of maximum overlap. A. A. Levin. Zhur. strukt. khim. 4 no. 5.739-743 S-O '63.

MOLECULAR SPECTRA

Franck-Condon principle for polyatomic molecules. B. A. Tavgen'. Opt. i spektr. 15 no. 5:561-563 O '63

Studying the excited states of vapors of molecules on the basis of a universal relation between the fluorescence and absorption centers. Part 2. Structured spectra. V. V. Gruzinskii, N. A. Borisovich. Opt. i spektr. 15 no. 4.457-463 O '63.

Theory of using dependent generalized coordinates in studying molecular vibrations. P. G. Maslov. Opt. i spektr. 15 no. 4.553-555 O '63.

Use of infrared spectra in the study of molecular interaction in polymers and their hydrated monomers. Part 1. Hydrated monomers and copolymers. G. P. Mikhailov, A. L. Smolianskii. Opt. i spektr. 15 no. 4 471-477 O '63.

Use of the free electron method in studying the effect of hyperconjugation [with summary in English]. M. N. Adamov, I. F. Tupitsyn. Vest. LGU 18 no. 16:41-46 '63.

Vibrational spectra of silicates with the anions Si_4O_{12}. A. N. Lazarev, T. F. Tenisheva. Zhur. strukt. khim. 4 no. 5:703-707 S-O '63.

MOLECULAR STRUCTURE

Shakhparonov, M. I. [Methods of studying the thermal motion of molecules and the structure of liquids] Metody issledovaniia teplovogo dvizheniia molekul i stroeniia zhidkostei [Moskva] Izd-vo Mosk. un-ta 1959. 280 p

MOLECULAR WEIGHTS

Effect of the molecular weight of alcohol on the process of its amination. Iu. B. Kagan and others. Neftekhimiia 1 no. 1:55-63 Jl-Ag '61.

MOLECULES

Approximations in M. F. Mamotenko's formula for the energy of formation of bonds in a molecule not precisely described by a single valence scheme. V. M. Tatevskii, V. I. Berdnikov. Vest. Mosk. un-ta. Ser. 2 Khim. 18 no. 1:7-11 Jl-S '63

Balance equations allowing for the collective properties of a system of identical particles. G. S. Kruglik, P. I. Apinasevich. Dokl. AN BSSR 7 no. 10 677-680 O '63.

Determination of the most stable configuration of molecules by the method of maximum overlap. V. M. Volkova, M. I. Diatkina. Zhur. strukt. khim. 4 no. 5:728-731 S-O '63.

Determination of the radial distribution function of molecular-electron density in multimolecular fluids [with summary in English]. M. I. Bulivets'. Ukr. fiz. zhur. 8 no. 8 907-912 Ag '63

Determining the effective rate of dissociation of diatomic molecules [with summary in English]. L. A. Pliner. Vest. LGU 18 no. 10 146-150 '63.

Two-center integrals of the theory of molecules. V. M. Zaitsev, V. A. Mokeeva. Zhur. strukt. khim. 4 no. 5 734-738 S-O '63.

MOLECULES—MAGNETIC PROPERTIES

Variational method for calculating molecular magnetic susceptibility [with summary in English]. T. K. Rebane. Vest. LGU 18 no. 16 7-11 '63.

MOLECULES—MODELS

One-center approximation in calculating water molecule [with summary in English]. E. M. Tudovskaia. Vest. LGU 18 no. 16 47-50 '63.

MOLES (ANIMALS)—PARASITES see Parasites—Moles (Animals)

MOLLUSKS

Hydraulic characteristics of shell sediments. P. A. Volkov. Okeanologiia 3 no. 4 660-663 '63.

Nutritional value and use of some invertebrates. L. I. Lagunov, N. I. Rekhina. Ryb. khoz. 38 no. 11 82-85 '62.

MOLLUSKS, FOSSIL

(see also subdivision under Dnieper Lima; Kyzylkum)

Stratigraphic position of Colchidite layers in the zone of Colchidites securiformis. V. V. Drushchits. Dokl. AN SSSR 152 no. 6:1128-1131 O '63.

MOLYBDENITE

Analysis of the flotation of molybdenite at the Akty-uz ore dressing plant. T. I. Kumanaliev. Izv. AN Kir. SSR Ser. est. i tekh. nauk 5 no. 1 85-96 '63.

MOLYBDENUM—ANALYSIS

"Analytical chemistry of molybdenum" by A. I. Busev. Reviewed by V. I. Petrashen', E. V. Ankudimova, N. A. Agrinskaia. Zhur. anal. khim. 18 no. 7 907 Jl '63

Extraction-photometric determination of molybdenum by means of 2-(4-N-piperidine) isopropyl-4-hydroxytetrahydro-3-furanone. O. R. Sporykhod, I. G. Tishchenko, N. V. Shedov. Trudy Kom. anal. khim. 14:292-297 '63.

MOLYBDENUM—METALLOGRAPHY

Provocation by pickling of a dislocation movement in single-crystal molybdenum. IU. I. Demkin. Fiz. met. metalloved. 16 no. 3:421-426 S '63.

MOLYBDENUM—PHYSIOLOGICAL EFFECT

Effect of molybdenum on the content of free iodine, diiodotyrosine, and thyroxine in the thyroid gland of rabbits. L. V. Ulenkova. Trudy VIZH 24 419-423 '62.

MOLYBDENUM COMPOUNDS

Complex diphenylguanidinium compounds of molybdenum with thioglycolic and thiomalic acids and their analytical application [with summary in English]. A. I. Busev, G. I. Rudzit. Zhur. anal. khim. 18 no. 7 840-850 Jl '63

MOLYBDENUM-RHENIUM ALLOYS—METALLOGRAPHY

Deformation and recrystallization textures of an alloy of Mo-35 at. % Re. E. M. Savitskii, Tao TSzu-tsun [Tao Tsu-tsung]. Fiz. met. i metalloved. 12 no. 6 878-882 D '61.

MOLYBDENUM STEEL—METALLOGRAPHY

Coagulation of the carbide phase in molybdenum and vanadium steels at temperatures lower than the A_1 point. V. I. Pisarev, IU. I. Makovichchuk, N. B. Stefanovskaia. Izv. vys. ucheb. zav. i chern. met. 6 no. 8 120 127 '63.

MOLYBDENUM SULFIDES

Using molybdenum disulfide to lubricate the equipment of rolling mills. G. Sh. Gerbil'skii, V. A. Markov. Stal' 23 no. 10:958-959 O '63.

MONASTERIES see subdivision under Pochayev

MONAZITE—ANALYSIS

Methods of the analysis of monazite and its chemical composition. K. P. Sokova. Trudy IGEM no. 81 3-22 '62.

MONGOLIA

Across our land. Sovr. Mong. 8 no. 6 22-24 Jl [i.e. Je] '63.

MONGOLIA—BEEF CATTLE

Meat productivity of Mongolian cattle and their hybrids with Kazakh White-Headed cattle. R. Zhavzma. Dokl. TSKHA no. 69:37-44 '61.

MONGOLIA—DINOSAURIA

Eggs of the dinosaurs. Demberelliin Dashzeveg. Priroda 52 no. 9 100 '63.

MONGOLIA—ECONOMIC CONDITIONS

IU. TSedenbal's answers to the questions of Reuters Agency correspondent. Sovr. Mong. 8 no. 6 1 Jl [i.e. Je] '63.

MONGOLIA—FOREIGN RELATIONS

IU. TSedenbal's answers to the questions of Reuters Agency correspondent. Sovr. Mong. 8 no. 6 1 Jl [i.e. Je] '63.

MONGOLIA—MILKING

Three years have passed. B. Choizhilzhav. Sovr. Mong. 8 no. 6:5-6 Jl [i.e. Je] '63.

MONGOLIA—POLITICS AND GOVERNMENT

Constitution of the Mongolian People's Republic. D. Sangidanzan. Sovr. Mong. 8 no. 6 4 Jl [i.e. Je] '63.

MONGOLIA—VOLCANIC ASH, TUFF, ETC.

Lower Carboniferous volcanism in the southern part of Siberia and the Mongolian People's Republic. M. I. Graizer. Dokl. AN SSSR 152 no. 6:1424-1427 O '63.

MONILIASIS

Khmel'nitskii, O. K. [Pathomorphogenesis of visceral candidiasis] Patomorfogenez vistseral'nogo kandidoza. Leningrad, Medgiz, 1963. 100 p. (DNLM)

MONOCHROMATOR

Experimental study of the transmission functions for air in the region of the rotational absorption bands for water vapor. B. P. Kozyrev, A. V. Mezenov. Opt. i spektr. 15 no. 4:549-552 O '63.

MONOMYCIN

Monomycin, a new antibacterial antibiotic. G. F. Gause and others. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 39-40 '61.

MONTMORILLONITE

(see also subdivision under Pacific Ocean)

X-ray study of montmorillonite containing substitution cations. N. V. Gudovich, P. G. Kukovskii, A. B. Ostrovskaia. Mont. min. syr. no. 2:36-40 '62.

MOON—SURFACE

Moon craters and cirques. N. A. Morozov. Tekh. mol. 31 no. 8:30-31 '63.

New data on the structure of the moon's surface [with summary in English]. N. F. Kuprevich. Astron. zhur. 40 no. 5:889-896 S-O '63.

MOOSE see subdivision under Moscow Province

MORAINES

Formation of the basic moraine [with summary in English]. G. P. Mazurov. Vest. LGU 18 no. 18 169-172 '63.

Subdivision of morainal sediments based on lithological indications. E. V. Rukhina. Uch. zap. LGU no. 310:139-146 '62.

MORAL EDUCATION

Moral education of students. T. Mal'kovskaia. Nar. obr. no. 10 88-92 O '63.

MORDOVIA—GROCERY TRADE—AUDITING AND INSPECTION

Price of indifference; inspection materials. Sov. potreb. koop. 7 no. 11:49-51 N '63.

MOROCCO—DESCRIPTION AND TRAVEL

Miazgowski, B. [Morocco, the red land. Abridged translation from the Polish] Marokko - krasnaia zemlia. Moskva, Izd-vo vostochnoi lit-ry, 1963. 103 p. illus. (Puteshestvila po stranam vostoka)

A trip through Morocco. N. Katuntseva. Nov. vrem. 21 no. 41:30-31 O '63.

MOROCCO—FOREIGN RELATIONS—ALGERIA

The hand of the monopolies. V. Baburov. Mezhdunar. zhizn' 10 no. 12:110-111 D '63.

MOROCCO—POLITICS AND GOVERNMENT

Special aspects of the socioeconomic development of Morocco and neocolonialism. G. N. Utkin. Vop. ist. 38 no. 10 185-186 O '63.

MOROZOV, NIKOLAI VASIL'EVICH, 1893-1949

Nikolai Vasil'evich Morozov. V. Anuchin and others. Vest. Mosk. un. Ser. 5 Geog. 18 no. 6 77-80 N-D '63.

MORPHINE

Galvanoadrenaline and dionine tests in different physiological states of an organism. V. A. Barabol. Vop. fiziotet. i lech. fiz. kul't. 27 no. 1:339-343 Jl-Ag '62.

MORPHOLINE

Derivatives of morpholine. Part 2. Interaction of morpholine with 3, 3-bis(chloromethyl)oxacyclobutane and 2, 2-bis(chloromethyl)trimethylene glycol. S. Z. Kaplan, A. S. Zvontsova. Zhur. ob. khim. 33 no. 10 3112-3114 O '63.

MORTALITY see subdivision under Kishinev

MORTAR

Influence of the forms of aggregates upon the strength of concretes and mortars. D. V. Berezin, V. I. Galaktionov. Stroi. mat. 9 no. 7:15-17 Jl '63.

MORTAR—TESTING

Portable conical consistometer. B. M. Gershkovich. Stroi. mat. 9 no. 7:24 Jl '63.

MOSCOW—ALCOHOLISM—PREVENTION

Results of antialcoholism work of the psychoneurological dispensaries of the City of Moscow [with summary in English]. I. K. IAnushevskii. Trudy Gos. nauch.-issl. inst. psikh. 38 384-389 '63.

MOSCOW—AMATEUR MOTION PICTURES

Amateur motion-picture studio in the Moscow Electric Bulb Factory. V. Anikeev, A. IAkovlev. Tekh. kino i telev. 6 no. 3 72-74 Mr '62.

MOSCOW—ART—EXHIBITIONS

Second birth. Vladimir Desiatnikov. Ogonek 41 no. 39:29 S '63.

MOSCOW—ART METALWORK—EXHIBITIONS

The exhibition "Gold and silver of ancient Italy." N. A. Sidorova. Sov. arkheol. 7 no. 3 205-211 '63.

MOSCOW—ARTISTS

Moscow artists reorganize their work. IA. Skripkov. Iskusstvo 26 no. 9 4-5 '63.

MOSCOW—AUTOMOBILE DRIVERS—EDUCATION AND TRAINING

If you like your work. M. Ivanov. Za rul. 21 no. 6:9 Je '63.

MOSCOW—BAKERIES—EQUIPMENT AND SUPPLIES

Operation of the completely mechanized production line for the manufacture of French stick bread at Moscow Bakery No. 15. M. I. Poltoriak. Khleb. i kond. prom. 6 no. 1:8-12 Ja '62.

MOSCOW—BOOKSTORES

New bookstore. T. Maricheva. Nar. obr. no. 10:126 O '63.

MOSCOW—CITY PLANNING

Improvement of the public area about the Serebriano-Vinogradny Pond. IU. S. Lantsberg. Gor. khoz. Mosk. 37 no. 7 33-35 Jl '63.

Kuybyshev District. A. M. Ivlev. Gor. khoz. Mosk. 37 no. 7:24-29 Jl '63.

MOSCOW—CIVIL DEFENSE

Great defects in an important matter. N. Afanas'ev. Voen. znan. 39 no. 10:28 O '63.

MOSCOW—CLERKS (RETAIL TRADE)

For communist labor. S. Mirskov, L. Britvin. Sov. torg. 36 no. 8:1-4 Ag '63.

MOSCOW—CLOTHING INDUSTRY—LABOR PRODUCTIVITY

Moscow clothiers prepare to welcome the 22d Congress of the CPSU with labor achievements. V. G. Trokhov. Shvein. prom. no. 3:4-5 Je-Jl [i.e. My-Je] '61.

MOSCOW—CLOTHING WORKERS

As seen through comrades' eyes. G. Kuzdiumova. Sov. profsoiuzy 19 no. 19:32-33 O '63.

MOSCOW—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Communist labor and mode of life. A. Shaposhnikova. Polit. samoobr. 7 no. 7:30-31 Jl '63.

Passionate words must reach the masses. D. Molotov. Polit. samoobr. 7 no. 9:103-104 S '63.

MOSCOW—COMMUNITY AND SCHOOL

Saturday in school. A. Polekhin. Ogonek 41 no. 38:24 S '63.

MOSCOW—CONSTRUCTION INDUSTRY

Moscow thirty years ago. Gor. khoz. Mosk. 37 no. 7:23 Jl '63.

MOSCOW—CONSTRUCTION INDUSTRY—CONGRESSES

The 22d Technological Conference held at the V. V. Kuibyshev Engineering and Construction Institute in Moscow. V. A. Veselov. Osn., fund. i mekh. grun. 5 no. 1 28-29 '63.

MOSCOW—EDUCATION, COOPERATIVE

Practical training of economics students. G. Volkov, A. Vlasov. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 4 99-101 Jl-Ag '63.

MOSCOW—EDUCATION, COOPERATIVE—EXHIBITIONS

Young naturalists and technicians at the Exhibition of Achievements of the National Economy of the U. S. S. R. V. S. Filippova. Shkola i proizv. 7 no. 10 47-51 O '63.

MOSCOW—ELECTRIC EQUIPMENT INDUSTRY

You should know and love your factory. V. Kalinkin. Polit. samoobr. 7 no. 9 62-67 S '63.

MOSCOW—ELECTRIC INDUSTRIES—HYGIENIC ASPECTS

"Dynamo" in the past and at present. A. Kozlovskaia. Okh., truda i sots. strakh. 6 no. 11 31 N '63.

MOSCOW—ELECTRIC MACHINERY INDUSTRY

Legal consultants struggle for economic profitableness. K. Matushevskii. Sov. iust. no. 13 24 Jl '63.

MOSCOW—ELECTRIC METAL CUTTING

Practice in electric-erosion machining of materials of industrial enterprises of the Moscow City Economic Council. N. S. Drozdov, P. V. Smagin, I. E. Koledin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10, 95-97 '63.

MOSCOW—EXHIBITIONS

Awarding of the participants of the Exhibition of the Achievements of the National Economy of the U. S. S. R. Elektrotekhnika 34 no. 10:69-71 O '63.

Awards for the participation in the Exhibition of Achievements of the National Economy of the U. S. S. R. T. V. Uvarova. Kons. i ov. prom. 18 no. 10, 12 O '63.

The "Exhibition of the Achievements of the National Economy" as a propagandist of advanced practice. I. P. Fedianin. Polit. samoobr. 7 no. 7, 81-86 Jl '63.

Instruments and equipment at the Exhibition of the Achievements of the National Economy of the U. S. S. R. T. I. Ilina. Stroitel' 9 no. 10:22-26 O '63.

Reorganization of the division "Stroitel'stvo" of the Exhibition of Achievements of the National Economy of the U. S. S. R. Biul. stroi. tekh. 20 no. 8 44 Ag '63.

Reorganization of the work of the Exhibition of Achievements of the National Economy of the U. S. S. R. Kons. i ov. prom. 18 no. 10, 43 O '63.

We have met the new India. A. Akhmedzianov. Az. i Afr. seg. no. 11 20-21 N '63.

MOSCOW—FLOWER SHOWS

Flower parade at the walls of the Kremlin. V. Simakov. Sov. Soiuz no. 10, 18-19 '63.

MOSCOW—FUNGI, PATHOGENIC

Changes in the fungal flora of Moscow during the past 15 years. V. E. Ziserman. Vest. derm. i ven. 36 no. 10:63-65 O '62.

MOSCOW—GAS HEATING

Learn last winter's lessons. I. I. Chechel'nitskii. Gor. khoz. Mosk. 37 no. 7 6-7 Jl '63.

MOSCOW—GEOGRAPHERS

Results of vocational distribution of the Geographical Faculty graduates of the Moscow University. I. F. Antonova. Vest. Mosk. un. Ser. 5; Geog. 18 no. 6:93 N-D '63.

MOSCOW—GEOPHYSICS—RESEARCH

History of geophysics at Moscow University; on the 200th anniversary of its foundation. A. Kh. Khrgian. Ist. i metod. est. nauk no. 2:264-276 '63.

MOSCOW—HOUSING

On the tracks of a vanished house. Sov. Soiuz no. 10:12-17 '63.

MOSCOW—ILLUSTRATION OF BOOKS—EXHIBITIONS

Book illustration. IU. Khalaminskii. Iskusstvo 26 no. 10:8-18 '63.

MOSCOW—INSCRIPTIONS, GERMAN

Two inscriptions of the Moscow Germans. IU. M. Zolotov. Sov. arkheol. 7 no. 3:249-252 '63.

MOSCOW—INSURANCE, SOCIAL—EMPLOYEES

In the front lines. A. Trofimov. Sots. obesp. 24 no. 8:10-12 Ag '63.

724-705 O - 64 - 18

MOSCOW—KNIT GOODS INDUSTRY

Conveyer for small-lot goods setting the automatic feeding of semifinished products to the workers' stations. Tekh. v prom. no. 3 16-17 Je-Jl [i.e. My-Je] '64.

MOSCOW—KREMLIN

Zonova, O. [Art treasures of the Moscow Kremlin. Icons, murals, and miniatures. In album] Khudozhestvennye sokrovishcha Moskovskogo Kremlia. Ikony, stennaia zhivopis' miniatury. Moskva, Izogiz, 1963. 21 p. illus. 66 plates. [Text in Russian, English, French, and German]
(MH)

MOSCOW—LEGAL AID SOCIETIES

People, laws and countries. V. Rudim. Ogonek 41 no. 37 17-19 S '63.

MOSCOW—LIBRARIES

Russian books in the collections of the Moscow Public Library. M. M. Klevenskii. Kniga, issl. i mat. 8 458-470 '63.

MOSCOW—LIGHTING

Poor lighting. G. Kapatsin. Za bezop. dvizh. 6 no. 10. 4-6 O '63.

MOSCOW—LITERARY MUSEUMS

State Literary Museum, 1921-1960. K. M. Vinogradova. Prud. NIM. 6 51-93 '61.

MOSCOW—MACHINE TOOLS

Practice of the enterprises of the Moscow Economic Council in increasing the reliability and durability of machine tools. I. V. Gellert. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 81-84 '63.

MOSCOW—MACHINERY INDUSTRY—MANAGEMENT

Saving metals at machinery plants of the Moscow City Economic Council. V. D. Razin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 78-81 '63.

MOSCOW—MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING

Methodological work at a plant. G. Blokhin. Prof.-tekh. obr. 20 no. 9:31-32 S '63.

MOSCOW—MOTION-PICTURE CAMERAS

"IKSShR" motion-picture camera. Tekh. kino i telev. 6 no. 3 3 of cover Mr '62.

MOSCOW—MOTION-PICTURE FESTIVALS

Third Moscow festival. Sov. Soiuz no. 8:54-56 '63.

The Third Moscow International Motion-Picture Festival. Mystetstvo 10 no. 3 19 My-Je '63.

MOSCOW—MUNICIPAL SERVICES

Party and state control over jobs is in operation. N. N. Sidorov. Gor. khoz. Mosk. 37 no. 7, 4-5 Jl '63.

MOSCOW—NURSERIES (HORTICULTURE)

Nursery producing for Moscow parks. N. F. Anfilov. Gor. khoz. Mosk. 37 no. 7, 40-42 Jl '63.

MOSCOW—PARKS

Development of a wooded park area. V. S. Levin. Gor. khoz. Mosk. 37 no. 7, 36-39 Jl '63.

MOSCOW—PENSIONERS

Always in the ranks. N. Dobrynina. Sots. obesp. 24 no. 10, 41 O '63.

MOSCOW—PHYSICS—HISTORY

Physics department and study room at Moscow University in the 18th century. A. F. Konorkov. Ist. i metod. est. nauk no. 2, 308-315 '63.

Projects by M. F. Spasskii and others for setting up a meteorological and magnetic observatory at Moscow in the first half of the 19th century. V. V. Serokin. Ist. i metod. est. nauk no. 2 319-332 '63.

MOSCOW—PHYSICS—RESEARCH

Development of radio physics and electronics at the faculty of physics of Moscow University. S. D. Gvozdover. Ist. i metod. est. nauk no. 2 247-263 '63.

First papers on radioactivity at the Institute of Physics of Moscow University during 1900-1930. K. P. IAkovlev. Ist. i metod. est. nauk no. 2:298-307 '63.

MOSCOW—POLICE

Following a black track. V. Matsuk. Mol. komm. no. 10: 80-84 O '63.

MOSCOW—POLITICS AND GOVERNMENT

[Bulletin of the Moscow Executive Committee] Biul. Ispol. kom. Mosk. gor. sov. nos. 11, 16-18 Je, Ag-S '63.

MOSCOW—PUBLISHERS AND PUBLISHING

Twenty-fifth anniversary of the "Mashgiz" Publishing House. Trakt. i sel'khozmash. 33 no. 7 3 of cover Jl '63.

MOSCOW—RAILROADS—STATIONS

Labor guards are on the march. V. Stanilevich. Sov. profsoiuzy 19 no. 20 14-16 O '63.

MOSCOW—RELIGION

They "helped" Sergei. Nauka i rel. 4 no. 8:75-77 Ag '63.

MOSCOW—SCHOOL SUPERVISION

Efficient exchange of experience. M. Aitova. Prof.-tekh. obr. 20 no. 9:32 S '63.

MOSCOW—SCHOOLHOUSES

One more children's institution. F. Kondrashov. Doshk. vosp. 36 no. 10 13 O '63.

MOSCOW—SEWERAGE—DESIGN AND CONSTRUCTION

Results of ground pressure measurements on the lining of sewage collectors. E. S. Prigozhin, V. N. Denisov. Osn., fund. i mekh. grun. 5 no. 4 16-18 '63.

MOSCOW—SOCIAL SCIENCE RESEARCH

Let's vary the forms of the coordinating of research work. N. A. Kokarev. Vest. vys. shkoly 21 no. 10, 55-60 O '63.

MOSCOW—STREETCARS

In Krasnaya Presnya. A. Loknev. Za bezop. dvizh. 6 no. 10 3-4 O '63.

Outlooks for a streetcar. S. Lyzlov. Za bezop. dvizh. 6 no. 10:1-2 O '63.

MOSCOW—STUDENTS, AMERICAN

At a Moscow student desk. Sov. Soiuz no. 9:13 '63.

MOSCOW—SUPERMARKETS

In the best light. IA. Khalipa. Sov. Soiuz no. 10:44-47 '63.

MOSCOW—TECHNICAL EDUCATION

School of inventors and innovators. L. Aberman. Mashinostroitel' no. 11 6 N '63.

MOSCOW—TECHNICAL LIBRARIES

Library of the Food Industry. Z. G. Margolina. Khleb. i kond. prom. 6 no. 1:46 Ja '62.

MOSCOW—THEATER

It is Sholokhov.... IU. Zubkov. Ogonek 41 no. 33:25 Ag '63.

Life of a communist on stage. V. Pimenov. Ogonek 41 no. 33 12-13 Ag '63.

Performances, meetings, and impressions. Leonid Ketskan, M. M. Sumkin. Ukraina no. 13, 4-5 Je '61.

MOSCOW—TRAFFIC ACCIDENTS

First rain drops. N. Makarov. Za bezop. dvizh. 6 no. 10:8-9 O '63.

November. E. Bobkov. Za bezop. dvizh. 6 no. 10:0-9 O '63.

Two letters. Za bezop. dvizh. 6 no. 10:13 O '63.

MOSCOW—TRAFFIC ENGINEERING

Coordinated regulation of traffic and the planning of a street system. P. V. Rushevskii. Gor. khoz. Mosk. 37 no. 7:29-32 Jl '63.

Driver, remember this. N. Rotin. Za bezop. dvizh. 6 no. 10:3 of cover O '63.

Flexible control. P. Rushevskii. Za bezop. dvizh. 6 no. 10:14 O '63.

MOSCOW—TRAFFIC POLICE

I am standing at a street crossing. V. Mikhailov. Za rul. 21 no. 8, 12 Ag '63.

MOSCOW—TRAFFIC SAFETY

Mobilization for a composition. N. Mashtakov. Za bezop. dvizh. 6 no. 10:10 O '63.

Thousands of good deeds. V. Maksimov. Za bezop. dvizh. 6 no. 10, 11 O '63.

MOSCOW—TRANSPORTATION, AUTOMOTIVE

Perfect organization of work secures a high labor productivity. A. Vais. Avt. transp. 41 no. 8:5-8 Ag '63.

MOSCOW—UNDERPASSES

Construction of city traffic intersections. N. F. Karasev. Transp. stroi. 12 no. 3 22-26 Mr '62.

MOSCOW—VIEWS

Moskva. Moscow, Moskva, Izogiz, 1962. (unpaged, chiefly illus.) 1 v.

MOSCOW BASIN—COAL GASIFICATION, UNDERGROUND

Draining operating gas producing sections Nos. 8 and 9 in the Moscow Station "Podzemgaz." N. V. Efremochkin, R. S. Khvoinskaia. Nauch. trudy VNIIPodzemgaza no. 9: 22-26 '63.

Underground gasification in flooded areas of a coal seam. G. O. Nusinov and others. Nauch. trudy VNIIPodzemgaza no. 9 3-7 '63.

MOSCOW BASIN—COAL GEOLOGY

Conditions of the formation of the Shatsk deposit's [illegible] seam, its petrographic composition, quality, the physicochemical features of the coal, the [illegible] structure. V. G. Valentsov. Nauch. trudy VNIIPodzemgaza no. 9 28-12 '63.

MOSCOW PROVINCE—BUILDING LAWS

We enliven the work of the inspection posts. V. V. [illegible]. Zhil.-kom. khoz. 11 no. 12 13 D '61.

MOSCOW PROVINCE—BUILDING MATERIALS

New production of brick factories. V. L. Trofimov. Stroi. mat. 9 no. 7:40 Jl '63.

MOSCOW PROVINCE—CHILDREN—MORTALITY

Analysis of the causes of child mortality. O. [illegible]. Zdrav. Ros. Feder. 7 no. 11:20-30 N '63.

MOSCOW PROVINCE—COTTON MANUFACTURE

If you find the way to the heart.... S. Pitlarev. Agitator no. 18:41-42 S '63.

MOSCOW PROVINCE—DAIRYING

Concentration of milk production on the state farms of Moscow Province. N. P. Ivanenko, N. K. Kniaze [illegible] i soob. VNIISKH no. 15 128-130 '63.

MOSCOW PROVINCE—FISH PONDS

Results of taking stock of the collective and state fish ponds in Moscow Province and the prospects for their utilization in fish culture. A. M. Grinevskii. Dokl. TSKHA no. 89:175-181 '61.

MOSCOW PROVINCE—HEIFERS—FEEDING AND FEEDING

Effectiveness of trace element mixtures as feed supplements for heifers in the Moscow region. I. S. Popov and others. Dokl. TSKHA no. 89:85-94 '61.

MOSCOW PROVINCE—INDUSTRIALIZATION

How the Moscow party organization struggled for socialist industrialization, 1926-1932. V. P. Grigor'eva, M. I. Popkova, A. P. Sleshkina. Vop. ist. KPSS 7 no. 10 112-123 O '63.

MOSCOW PROVINCE—LABOR AND LABORING CLASSES

[In the main direction] Na glovnom napravlenii [By] A. N. Dudko i dr. [Moskva] Moskovskii rabochii, 1961. 164 p.

MOSCOW PROVINCE—MEDICINE, RURAL

State of dispensary service for the rural population of Moscow Province; according to data of the [illegible] for 1955-1956. K. N. Kholud. Trudy mol. nauch. sots. MONIKI no. 1:204-208 '59.

MOSCOW PROVINCE—MOOSE

Censusing moose in Moscow Province from an airplane and the verification of results by the methods of mathematical statistics. IU. A. Gerasimov. Prikl. matem. i [illegible] v biol. no. 2:234-238 '63.

MOSCOW PROVINCE—MUNICIPAL SERVICES

Volunteer councils for the improvement of public areas and services. G. Klirenov. Zhil.-kom. khoz. 11 no. 12:12 D '61.

MOSCOW PROVINCE—ROAD CONSTRUCTION—COLD WEATHER CONDITIONS

Winter work in the Moscow Province Construction Trust. N. A. Rozov. Avt. dor. 26 no. 10:3-4 O '63.

MOSCOW PROVINCE—SKIN—TUBERCULOSIS

Dynamics of clinical forms of cutaneous tuberculosis in Moscow Province from 1940 to 1959. O. V. Litus [illegible] M. I. Peresypkina. Vest. derm. i ven. 36 no. 10 24-28 O '62.

MOSCOW PROVINCE—VOCATIONAL EDUCATION

Let's raise educational work in schools to the [illegible] of pedagogical craftsmanship! Prof.-tekh. obr. 2 no. 9:3 S '63.

MOSCOW PROVINCE—WILDLIFE CENSUS

Censusing moose in Moscow Province from an airplane and the verification of results by the methods of mathematical statistics. IU. A. Gerasimov. Prikl. matem. i [illegible] v biol. no. 2:234-238 '63.

MOSCOW REGION—ROADS

Moscow ring highway. Za rul. 21 no. 6:21 Je '63.

MOSCOW UNIVERSITY

Brief notes on books. Vest. vys. shkoly 21 no. 10 [illegible] O '63.

History of geophysics at Moscow University; on the [illegible] anniversary of its foundation. A. Kh. Kirgiun. Ist. i metod. est. nauk no. 2:264-276 '63.

MOSKVIN, ANDREI NIKOLAEVICH, 1901-

Side by side with Andrei Moskvin. V. Gordanov. Iskusstvo kino 33 no. 7:105-109 '63.

natic phases and the formation of the
in female mosquitoes of the genus
Iasiov Parm, mat, metod v biol

RVAE see subdivision under Voronezh

a subdivision under Azerbaijan

eviations from an optimal propulsion
notion of a body of variable mass with
onsumption in a gravitational field
rikl mat i mekh 27 no 1 27-32 Ja-

anical motion, I. P. Bazarov. Ist. i
no. 2:284-285 '63.

ities and accelerations of points of a
allel movement, V. L. Gorbach. Izv
mashinostr., no. 7,5-9 '63.

egrals in the problem of the motion of
fixed point in a central Newtonian
S. Sagitov, A. N. Filatov. Izv. AN Uz.
uk 7 no. 4,31-36 '63.

CAMERAS
ision under Moscow)
ing units and attachment lenses F. S.
hegiov. Tekh. kino i telev 6 no. 3:

t for motion-picture camera lenses
s. F. S. Novik, N. V Khazova. Tekh
no. 3:67-69 Mr '62.

CAMERAS—EQUIPMENT AND SUP-

locking of the "Rodina" camera for one-
A. I Beliaev. Tekh kino i telev. 6

FESTIVALS see subdivision under
Moscow

MUSIC see subdivision under Ukraine

PHOTOGRAPHY
ke of a method, M. Goldovskaia. Isk.
1-72 '63.

; PHOTOGRAPHY—BIBLIOGRAPHY see
lotion-picture photography

PHOTOGRAPHY—DEVELOPING
ERS
in the film printing industry, S. E
others. Tekh. kino i telev. 6 no 8 40-

PHOTOGRAPHY—EQUIPMENT AND

i motion-picture equipment] Ref. zhur. :
no. 12 D '63.

PHOTOGRAPHY—FILMS
N. T. Trofimenko, B. A. Zaborovskii.
v. 6 no 3:56-60 Mr '62.

; PHOTOGRAPHY—FILMS—BIBLIOG-
bliography—Motion-picture photography—

; PLAYS
ision under Argentina; Bulgaria;
; France; Italy; Latvia; United States)
I. Makarova. Oktiabr' 39 no. 12:163-

A. Pulet. Oktiabr' 39 no. 12:159-160

n. IAkov Segal'. 'sk. kino 33 no. 7:

stream of life." I. Kokoreva. Isk. kino
'63.
. Roshal'. Oktiabr' 39 no. 12:161 D

e. Isk. kino 33 no. 7:148-157, 160-163

oot. N. Tolchenova. Ogonek 41
'63.
usible source. V. Gladkovskaia.
), 12:186 D '62.
-tist. E. Dzigan. Oktiabr' 39 no. 12:

chedule. Isk. kino 33 no. 7:165-168 '63.
. Mordiukova. Oktiabr' 39 no. 12:161-

'. Rachuk. Oktiabr' 39 no. 12:172-174

ires. Rab. i sial. 39 no. 8:18-19 S

sm. E. Gromov. Oktiabr' 39 no. 12:
'.
reen. M. Drobinskaia. Oktiabr' 39
62.
s of art. Afanasii Salynskii. Isk. kino
'63.

Speculation of senses. L. Smorzh. Mystetstvo 10 no. 4:
27-29 Jl-Ag '63.

To be carried away with the romanticism of a heroic
deed. V. Radin. Oktiabr' 39 no. 12,160 D '62.

To fill man with enthusiasm. T. Antonova. Oktiabr' 39
D '62.

Trial by time. N. Parsadanov. Oktiabr' 39 no. 12:170-
171 D '62.

World of thoughts and feelings. E. Gabrilovich. Oktiabr'
39 no. 12:157-159 D '62.

MOTION-PICTURE PROJECTION

Allowance for irregularities in film transport in systems
with continuous film movement. A. A. Gol'din. Tekh
kino i telev. 6 no 8,47-51 Ag '62.

MOTION-PICTURE PROJECTION—BIBLIOGRAPHY see
Bibliography—Motion-picture projection

MOTION-PICTURE PROJECTION—EQUIPMENT AND SUP-
PLIES

Timer for film sections. V. I. Marmusov Tekh. kino i
telev. 6 no. 8 72 Ag '62.

MOTION-PICTURE SCREENS

Effect of the screen curvature on the "participation
effect" in panoramic motion pictures. N. I. Gol'tsman,
D. R Khanukaev Tekh. kino i telev. 6 no. 8 21-25 Ag
'62

MOTION PICTURES
(see also subdivision under Czechoslovakia; Japan;
Poland; Uzbekistan)

Great heroism. A. Shtutin. Sem'ia i shkola 10 no. 11:
41 N '63.

Only facts. I. Epshtein. Isk. kino 33 no. 7:147, 158-159
'63.

Scientific and technological news. Tekh. kino i telev. 6
no. 8:95-96 Ag '62.

The 30th Pierre. O. Korotiukov. Ukraina no. 10:14 O
'62.

Way to the heart. V. Skatershchikov. Mol. komm.
no. 10:124-128 O '63.

We are the pupils of the skilled producers of Russian
motion pictures. K. IArmatov. Komm. Uz. 36 no. 10:
61-62 O '63.

MOTION PICTURES—ABSTRACTS

Abstracts section. Tekh kino i telev. 6 no. 8:82-84 Ag
'62.

MOTION PICTURES—BIBLIOGRAPHY see Bibliography—
Motion pictures

MOTION PICTURES—CONGRESSES

First International Ten-Day Festival of Motion-Picture
Criticism. Isk. kino 33 no. 7:141-142 '63.

MOTION PICTURES—DUBBING

Audio section of motion-picture films. Radio no. 10:51-
53 O '63.

Something really creative. A. IAkovlev. Isk. kino 33
no. 7:73 '63.

MOTION PICTURES—EQUIPMENT AND SUPPLIES
(see also subdivision under Poland)

Some problems of industrial esthetics in motion-picture
equipment. S. I. Kanibolotskii. Tekh. kino i telev. 6
no. 8.67-68 Ag '62.

MOTION PICTURES—PERIODICALS

In foreign magazines. Isk. kino 33 no. 7 145-146 '63.

MOTION PICTURES—SETTING AND SCENERY

Remarks about two artists. Mira Mollakh. Isk. kino
33 no. 7 96-102 '63.

MOTION PICTURES—SETTING AND SCENERY—EX-
HIBITIONS

To serve a common cause. A. Petryts'kyi. Mystetstvo
10 no. 3:27-29 My-Je '63.

MOTION PICTURES—TITLING

First still. A. TSarev. Isk. kino 33 no. 7:72 '63.

MOTION PICTURES, ANTIRELIGIOUS see subdivision under
Dushanbe

MOTION PICTURES, DOCUMENTARY
(see also subdivision under Germany, East)

Great secrets of V. I. Lenin's creative work. G. Kubilt-
skii. Nov. vrem. 21 no. 45,11-12 N '63.

In the language of a film. Evgenii Kriger. Isk. kino 33
no. 7:3-7 '63.

Triumphant idea. L. Pogozheva. Isk. kino 33 no. 7:
8-10 '63.

MOTION PICTURES, TALKING

Adjustment of the reproduction of magnetic sound tracks
without the use of a monitoring film. A. S. Zaks. Tekh.
kino i telev. 6 no. 3:12-15 Mr '62.

Selecting the synchronization method for a nonperforated
sound carrier. M. Z. Vysotskii. Tekh. kino i telev.
6 no. 8:32-35 Ag '62.

MOTION PICTURES, THREE-DIMENSIONAL

Effect of the screen curvature on the "participation
effect" in panoramic motion pictures. N. I. Gol'tsman,
D. R Khanukaev Tekh. kino i telev. 6 no. 8 21-25 Ag
'62.

Joining of the adjacent parts of the panoramic picture.
G. K. Klimenko. Tekh. kino i telev. 6 no. 8 26 Ag
'62.

MOTION PICTURES FOR CHILDREN
(see also subdivision under Czechoslovakia)

Looking over films for children. P. Vovk. Mystetstvo
10 no. 4 20-22 Jl-Ag '63.

When you think about children, . . . N. Lebedev. Isk. kino
33 no. 7 66-70 '63.

MOTION PICTURES IN AERONAUTICS

"Golden wings" to Soviet motion pictures. S. Shatilov,
B. Simakov. Kryl. rod. 14 no 11 26 N '63.

MOTOR FUELS

Using kerosene and its mixtures with motor fuel for the
VPT-400 air preheater. G. A. Rovnyi. Trakt. i sel'-
khozmash 33 no. 7 31-32 Jl '63.

MOTOR FUELS—PRICES

Differentiation of industrial wholesale prices of motor
fuels. A. N. Basov and others. Khim. i tekh. topl. i
masel 8 no. 9 46-51 S '63

MOTOR SCOOTERS

From Irkutsk to Moscow on a "Vintka" motor scooter.
A. Didrikh. Za rul 21 no. 6 27 Je '63.

How to increase the power of the "Tula" engine. V. Lo-
pukhin. Za rul. 21 no. 6:14 Je '63.

What will it be like? A. Abrosimov. Za rul. 21 no. 6:
16-17 Je '63.

MOTOR VEHICLES

Mailbox "Za rulem." Za rul. 21 no. 6:26 Je '63.

Mailbox "Za rulem." Za rul. 21 no. 8:19 Ag '63.

A new textbook on the theory of tractors and trucks.
I. I. Trepenenkov, V. I. Anokhin. Trakt. i sel'khozmash.
33 no. 7:47-48 Jl '63.

Returning to the published. Za rul. 21 no. 6:20 Je '63.

Take into consideration and stimulate the increase of
lifetime of a motor vehicle and its units. P. L. Cher-
nobrodov. B. A. Dekhtiar. Avt. prom. 29 no. 8 3-5 Ag
'63.

MOTOR VEHICLES—BIBLIOGRAPHY see Bibliography—
Motor vehicles

MOTOR VEHICLES—CATALOGS

Moskovskii avtomobil'nyi zavod. [Catalog of parts for the
ZIL-130 and ZIL-130G two-axle motortrucks the
ZIL-130A1 tractor, the ZIL-130V1 saddle tractor, the
ZIL-MMZ-555 dump truck, and the ZIL-130B chassis
for the ZIL-MMZ-554 dump truck] Katalog detalei
dvukhosnykh avtomobilei ZIL-130 i ZIL-130G, avtomobi-
lia-tiagacha ZIL-130A1, sedel'nogo tiagacha ZIL-130V1,
avtomobilia-samosvala ZIL-MMZ-555 i shassi
ZIL-130B dlia avtomobilia-samosvala ZIL-MMZ-551.
Moskva, Mashgiz, 1963. 265 p.

——— ——— [Album of drawings] Al'bom figur. 80 p.

MOTOR VEHICLES—DESIGN AND CONSTRUCTION

Evaluation of operational reliability and durability of
parts and units of a motor vehicle. Avt. prom. 29
no. 8:25-27 Ag '63.

MOTOR VEHICLES—DYNAMICS

Traction force of motor vehicles with one or several
driving axles. N. F. Kliuchko. Avt. prom. 29 no. 8,14-
16 Ag '63.

MOTOR VEHICLES—ELECTRIC EQUIPMENT

Checking and testing stand for testing motor-vehicle
electric equipment. A. S. Golubev. Biul. tekh.-ekon.
inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16
no. 10:88-89 '63.

MOTOR VEHICLES—ENGINES

Valve and driving bushing of an engine. E. Kh. Blekher-
man. Avt. prom. 29 no. 8.9-12 Ag '63.

MOTOR VEHICLES—FUEL SYSTEMS

Experimental investigation of the kinematics of the pres-
sure valve of a fuel pump. P. M. Krivenko, F. L. Ga-
lushko. Trakt. i sel'khozmash. 33 no. 7:11-13 Jl
'63.

MOTOR VEHICLES—IGNITION

Battery ignition. A. Kulikov. Za rul. 21 no. 6:10 Je
'63.

MOTOR VEHICLES—MAINTENANCE AND REPAIR
(see also subdivision under Simferopol')

Continuous No. 2 inspection. IA. Levkovich. Avt. transp.
41 no. 8:24-25 Ag '63.

Review and bibliography. Avt. transp. 41 no. 8:61-62
Ag '63.

MOTOR VEHICLES—PERIODICALS
Seeking advice of readers. Za rul. 21 no 6 29 Je '63.

MOTOR VEHICLES—SOCIETIES, ETC.
(see also Subdivision under Izhevsk; Sulyukta)
A continuous process. A. Pavlov Za rul 21 no. 6-5 Je '63.
Leaning upon active members. A Sergeev. Za rul. 21 no. 8 1 Ag '63.

MOTOR VEHICLES—SPRINGS
Patents for spring suspensions abroad. G. P Bogdanov Avt. prom. 29 no. 8 41-13 Ag '63.

MOTOR VEHICLES—STEERING DEVICES
Using 45 carbon steel for manufacturing ball pins of motor-vehicle steering rods A. M Tarasov, R. E. Glinet. Avt prom. 29 no. 8 36-38 Ag '63.

MOTOR VEHICLES—TECHNOLOGICAL INNOVATIONS
News of foreign engineering Za rul. 21 no. 6-30-31 Je '63.
News of Soviet engineering. Za rul. 21 no 8 8 Ag '63.
Readers suggest. Za rul. 21 no. 6 22-23 Je '63.

MOTOR VEHICLES—TRANSMISSION DEVICES, AUTOMATIC
Basic indices of hydrostatic transmissions with internal branching of the power flow V V. Petrov Avt. prom 29 no. 8 30-33 Ag '63.

MOTORBOAT RACING
Success on the Vistula. IU. Emel'ianov. Za rul. 21 no. 8 27 Ag '63.
Three records. M. Mashinskii. Za rul. 21 no. 8.27 Ag '63.

MOTORBOATS
Bookshelf. Za rul. 21 no. 8 29 Ag '63.

MOTORBUSES see subdivision under Czechoslovakia

MOTORBUSES—MAINTENANCE AND REPAIR
Maintenance of the LAZ-695B motorbus. A. Gal'bun, I. Kaganov. Avt. transp. 41 no. 8 22-23 Ag '63.

MOTORCYCLE INDUSTRY see subdivision under Ibit; Minsk

MOTORCYCLE RACING
(see also subdivision under Bashkiria; Czechoslovakia; Finland; Opattija; Tallinn; Yugoslavia)
Festival, review, test. Za rul. 21 no. 8-2-3 Ag '63.
Following up our articles. Za rul. 21 no. 6-7 Je '63.
Speed record. V. Bekman. Za rul. 21 no. 6;29 Je '63.

MOTORCYCLE RACING—UMPIRING
University of umpires. N. Kiselev. Za rul. 21 no. 6;3 Je '63.

MOTORCYCLES
Bookshelf. Za rul. 21 no. 8-29 Ag '63.
The "Kovroveta 175-V" motorcycle. Kh. Mitropol'skii. Za rul. 21 no. 8 9 Ag '63.
Let us talk about starting. M. Gintsburg. Za rul. 21 no. 8;18 Ag '63.
New tires for racing motorcycles. N. Poliakov. Za rul. 21 no. 6 15 Je '63.
Without an instructor. I. Zotov. Za rul. 21 no. 6.13 Je '63.

MOTORCYCLES—LUBRICATION
Selecting a lubricating oil. M. Gintsburg. Za rul. 21 no. 6 27 Je '63.

MOTORCYCLES—SPRINGS
Development of the rear suspension. N. Poliakov. Za rul. 21 no. 8;17 Ag '63.

MOTORSHIPS see subdivision under Black Sea

MOTORSHIPS—HEATING AND VENTILATION
Determining excess heat release for the calculation of machine room ventilation systems on motorships. V. A. Barats. Trudy LIVT no. 35;21-29 '62.

MOTORTRUCKS
A screen instead of the tail gate of a motortruck. V. Bogomiagkikh. Tekh. v sel'khoz. 23 no. 8,91-92 Ag '63.
Standardization of motortrucks. A. Pitr. Avt. transp. 41 no. 8;38-39 Ag '63.
Universal loaders. D. A. Lobanov, M N. Averbukh. Mashinostroitel' no. 11-28-29 N '63.

MOTORTRUCKS—DESIGN AND CONSTRUCTION
Zislin, S. G., and others. [Atlas of chassis designs for the GAZ-51A, GAZ-63, GAZ-63A motortrucks and GAZ-51P, GAZ-63P, GAZ-63D saddle tractors] Atlas konstruktsii shassi avtomobilei GAZ-51A, GAZ-63, GAZ-63A i sedel'nykh tiagachei GAZ-51P, GAZ-63P, GAZ-63D. Izd. 2., perer. i dop. [Leningrad] Mashgiz, 1963. 286 p.

MOTORTRUCKS—MAINTENANCE AND REPAIR
Ramp for servicing motortrucks. V. Gankin, V Rozdul Tekh. v sel'khoz. 23 no. 6 51-52 Je '63.
Repairing cylinder blocks of engines V. Gavriushin. Tekh. v sel'khoz. 23 no 6 61-62 Je '63.
Servicing motortrucks during the harvesting season V. Kaftashov. Tekh. v sel'khoz. 23 no 6 47-50 Je '63.
Unit for controlling the technical condition of trucks. A. Serov, I Arinin. Tekh. v sel'khoz. 23 no. 8 64-71 Ag '63.

MOUNTAINEERING see subdivision under Caucasus

MOVEMENT (PHYSIOLOGY)
Functional state of the motor analyzer and of the cardiovascular system as an indication of the degree of physical training of juveniles and as a basis for setting up the pattern for the first year of industrial education S I Krapivintseva and others Uch zap Mosk nauch - issl inst san i gig no 2 33-36 '59

MOVEMENT DISORDERS
Oxyhemometric studies during exercise therapy in patients with postinsultus motor disorders, abstract. D. B. Kalikshtein, L L. Guseva kaz. med. zhur. no 1 119 Ja-F '61.

MOWING MACHINES
Adjusting reapers V. Poliakov, I. Samokhodskaia. Tekh. v sel'khoz. 23 no. 6,89-93 Je '63.

MUCOUS MEMBRANE—TRANSPLANTATION
Examination of the moisture in a conjunctival sac produced by surgery. G. V Legeza. Uch. zap. UEIGB 5. 156-161 '62.

MUGODZHAR HILLS—GAS, NATURAL—GEOLOGY
Avrov, P. IA., and L. G. Kosmacheva. [Geological structure and prospects for finding oil and gas in the Ural Mountain portion of Aktyubinsk Province and the western part of the Mugodzhar Hills] Geologicheskoe stroenie i perspektivy neftegazonosnosti Aktiubinskogo Priural'ia i Zapadnogo Primugodzhar'ia Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963 162 p.

MUGODZHAR HILLS—PETROLEUM GEOLOGY
Avrov, P. IA., and L. G. Kosmacheva. [Geological structure and prospects for finding oil and gas in the Ural Mountain portion of Aktyubinsk Province and the western part of the Mugodzhar Hills] Geologicheskoe stroenie i perspektivy neftegazonosnosti Aktiubinskogo Priural'ia i Zapadnogo Primugodzhar'ia Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963 162 p.

MULCHING see subdivision under Dniester Valley

MULTIPLE SCLEROSIS
Effect of the cerebrospinal fluid and blood serum of patients with multiple sclerosis on the peroxidase of the spinal cord in rats. IA K. Osipova, A. L Leonovich. Dokl. AN BSSR 7 no. 4 277-279 Ap '63.

MUMINOV, IAKUBA KARIMBABAEVICH, 1902-
IA. K. Muminov, on his 60th birthday. Vop. kur. fizioter i fiz. kul't 27 no. 4.376 JI-Ag '62

MUNICH FOUR-POWER AGREEMENT, 1938
The Munich agreement in the light of history. L. Bezymenskii. Nov. vrem. 21 no. 39;4-6 S '63.

MUNICIPAL ENGINEERING—EQUIPMENT AND SUPPLIES
[Album of recommended new construction equipment] Al'bom novoi stroitel'noi tekhniki rekomenduemoi k vnedreniiu. Moskva, Gosstroiizdat.
No 7 [Sanitary equipment] Santtarno-tekhnicheskoe stroitel'stvo 1963. 84 p.

MUNICIPAL SERVICES see subdivision under Gomel'; Leningrad; Moscow; Moscow Province; Oktyabr'skiy (Bashkiria); Stu asheny; Volyn' Province

MUNITIONS see subdivision under United States

MURAKAMI CASE
The fate of Kuniji Murakami. V. Ovchinnikov. Nov. vrem. 21 no. 41;18 O '63.
A letter from a Japanese prison. Nov. vrem. 21 no. 41; 19-20 O '63.

MURAL PAINTING AND DECORATION see subdivision under Didi Atoni

MURANOVO—LITERARY MUSEUMS
"Muranovo" house of poets in the past and at present. K V. Pigarev. Trudy NIIM 6 106-115 '61

MURATOV, IGOR' LEONT'EVICH
A thorough characterization of personages. B. Burkatov. Ukraina no. 13;20 Je '61.

MURATOVA, MARYIA FIODARAUNA, 1900-1963
In memory of M. F. Muratova. Rab. i sial. 39 no. 7;7 Jl '63.

MURAV'EV, NIKOLAI IVANOVICH, 1891-1963
Professor Nikolai Ivanovich Murav'ev, obituary. Zhur. Mosk Patr no 8,22-23 Ag '63.

MUREXIDE
Using murexide in histochemical determination of calcium. I. I. Sokolovskaia, S M Rombe. Trudy VIZH 24 392-395 '62.

MURMANSK—IONOSPHERIC RESEARCH
Akademiia nauk SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. Murmansk. Moskva, ifz. Materialy ionosfernykh issledovanii)

July - Aug.	1957.	1960.	47 p.
Jan. - Feb.	1958.	1960.	71 p.
May - June	1958.	1960.	79 p.
July - Aug.	1958.	1960	76 p.
Nov. - Dec.	1958.	1960	73 p.

MURMANSK—STEAMBOATS
Leading ships of the Murmansk steamship line Mor flot 23 no 9;7 Ag '63.

MUSCLE
Muscle maltase in fishes. A. K Andreev. Dokl. AN SSSR 152 no. 2,464-466 S '63.

MUSCLES
Changes in the functional state of skeletal muscles in lactating cows in relation to factors of the daily regimen. T. K. Gorodetskaia. Trudy VIZH 24 424-438 '62.

MUSCLES—MOTILITY
Some peculiarities of the changes in muscular tonus and voluntary movements in the localization of a dysbasiatogenic process in the brain stem. K. S Chikovani Soob. AN Gruz. SSR 30 no. 3,657-661 My '63.

MUSCOVITE see subdivision under Kazakhstan

MUSEUMS see subdivision under Krasnodon, Pavlograd, Pyatigorsk, Ulan Bator; see also subdivision 'Art galleries and museums' under Smolensk, Sverdlovsk

MUSHROOM CULTURE
Physiology of nutrition of the cultivated mushroom Agaricus bisporus Lange. Report No 1 Carbon nutrition. L. V. Garibova. Nauch. dokl. vys. shkoly, biol. nauki no. 1 137-140 '63.

MUSHROOMS, EDIBLE see subdivision under Voronezh Province

MUSIC—ANALYSIS, APPRECIATION
Letters about beauty. Sov Soiuz no. 10 40-41 '63.

MUSIC—PHILOSOPHY AND AESTHETICS
Search and "search." G. Anfilov. Znan.-sila 38 no. 5-4-7 My '63.

MUSIC, UKRAINIAN—HISTORY AND CRITICISM
Problems of musical works. A. Mukha. Mystetstvo 10 no. 3 10-11 My-Je '63.

MUSIC, UZBEK
A fountain of musical culture. T. Karamatov. Komm Uz, 35 no. 10 66-67 O '63.

MUSIC AND LITERATURE
Literature and music; brief review of new works by Polish scholars. I. F. Belza. Lit. slav. nar. 8 210-215 '63.

MUSIC AND RADIO see Radio and music

MUSICAL FORM
Asaf'ev, B. V. [Musical form as a process] Muzykal'naia forma kak protsess. Leningrad, Muzgiz.
Books 1-2. 1963. 378 p

MUSICAL INSTRUMENTS, ELECTRONIC
Search and "search." G. Anfilov. Znan.-sila 38 no. 5-1-7 My '63.

MUSICAL INTERVALS AND SCALES
Shilov, G. E. [Simple gamut; the structure of the musical scale] Prostaia gamma, ustroistvo muzykal'n shkaly. Moskva, Fizmatgiz, 1963. 18 p. (Populiarnye lektsii po matematike, no. 37)

MUSKRATS see subdivision under Yakutia

MUTESA II, King of Buganda
People and events: Edward Frederick Mutesa II. Nov vrem. 21 no. 43-25 O '63.

MUTILATION
The "blessed meekness" thirsts for blood A Chustikov Nauka i rel no 2 34-36 F '62

MUTTON
The cost structure of mutton. N. T. Tiapkin. Dokl. i soob. VNIESKH no. 16 106-111 '63.

MUTUAL ECONOMIC ASSISTANCE COUNCIL

Consolidation of economic cooperation among fraternal nations. S. Plaksin. Agitator no. 16:23-26 Ag '63.

Equality is the basis of the economic cooperation of the socialist countries. V. Morozov. Mezhdunar. zhizn' 9 no. 12 3-11 D '63.

Friendship works wonders. F. Penkin. Sov. voin 15 no. 20:42-43 O '63.

The members of the Mutual Economic Assistance Council are strengthening economic cooperation. N. Fadeev. Mir ekon. i mezhdunar. otn. no. 10 3-15 '63.

New developments in the economic cooperation of socialist countries, our commentaries. Nov. vrem. 21 no. 44 4 N '63.

On the road of fraternal collaboration; Conference of the Work Group of the Woodpulp and Paper Industry of the Permanent Commission of the Chemical Industry of the Council for Mutual Economic Aid. Bum. prom. 38 no. 9 2 of insert S '63.

A powerful accelerator of economic progress [with summary in English, p. 72]. N. Pilchkin. Vnesh. torg. 43 no. 10 3-5 '63.

Shevlakov, F. N. [Technological progress and production structure, the role of technological progress in the structural changes of production] Tekhnicheskii progress i struktura proizvodstva, rol' tekhnicheskogo progressa v strukturnykh sdvigakh promyshlennosti. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. III Seriia: Ekonomika, no. 15)

MUYNAK—FISHERIES

New city on the bank of the Aral. Nar. khoz. Uzb. 5 no. 10, 14-15 O '63.

MYADEL' DISTRICT—SWINE—FEEDING AND FEEDS

Experience is the most important factor. Paulina Zviaka. Rab. i sial. 39 no. 9, 3 S '63.

MYCENAE—INSCRIPTIONS

"Kadmos," Zeitschrift fuer vor-und fruegriechische Epigraphik," nos. 1-2, 1962. Reviewed by S. IA. Lur'e. Vest. drev. ist. no. 3 159-163 '63.

MYCOSES

Griseofulvin in the treatment of trichomycoses. T. T. Tadzhibaev. Vest. derm. i ven. 36 no. 10 76 O '62.

MYOPIA

Effect of tissue therapy on the general state of patients and especially on some physiological reactions of the cardiovascular and nervous systems. E. A. Vyrlan. Uch. zap. UEIGB 5, 230-235 '62.

Some factors affecting the development of myopia in school children. E. M. Belostotskaia. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 52-57 '59.

Some physiological correlations in progressive myopia. A. A. Malinovskii. Uch. zap. UEIGB 5:198-208 '62.

MYOPIA—PREVENTION

Dymshits, L. A. [Prevention of shortsightedness in children] Profilaktika blizorukosti u detei. Leningrad, Medgiz, 1963. 44 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

MYTHICAL ANIMALS see Animals, Mythical

MYTISHCHI (MOSCOW PROVINCE)—MACHINERY INDUSTRY—MANAGEMENT

At the sources of the plan. V. Shabashov, G. Ivannikov. Sov. profsoiuzy 19 no. 10:12-13 O '63.

NAKHICHEVAN A. S. S. R.—ANTIQUITIES

Some results of the investigations of the Kyul'-Tapa Hill in Azerbaijan. O. A. Abibullaev. Sov. arkheol. 7 no. 3, 157-168 '63.

NAMANGAN—PARKS

In the shady lanes of a park. N. Akhmedova. Uzbekiston 22 no. 7:7 Jl '63.

NAMES, GEOGRAPHICAL
(see also subdivision under Novgorod Province; Pskov Province)

Sergeev, I. V. [The mystery of geographical names] Taina geograficheskikh nazvanii. Moskva, Detgiz, 1963. 230 p.

NAMES, GEOGRAPHICAL—DICTIONARIES

Lietuvos TSR Mokslu akademija. Vilna. Lietuviu kalbos ir literatūros institutas. [Names of rivers and lakes of the Lithuanian S. S. R.] Lietuvos TSR upiu ir ezeru vardynas. Vilnius, Valstybine politines ir mokslines literatūros leidykla, 1963. 225 p. [In Lithuanian]

NAMES, GEOGRAPHICAL—UKRAINIAN

Some remarks on the discussion. L. L. Humetska, V. M. Horkun. Ukr. mova i lit. v shkoli 13 no. 7:75-76 S '63.

NAPHTHALENE

Analytical separation of a mixture of substances obtained in the catalytic oxidation of naphthalene. N. A. Stukanovskaia, G. I. Golodets, P. B. Ryaev. Ukr. khim. zhur. 29 no. 8, 827-828 '63.

Catalytic conversions of 1, 4-endomethyleneoctahydronaphthalene and 1, 4, 5, 8-diendomethylenedecalin. A. G. Plate, N. A. Belikova, S. IA. Kirichenko. Neftekhimiia 1 no. 4:491-500 Jl-Ag '61.

Copolymerization of some derivatives of dihydronaphthalene and dihydroacenaphthene with maleic anhydride. K. A. Kornev, V. A. Shirokovich, G. V. Chernlavskii. Ukr. khim. zhur. 29 no. 8 840-842 '63.

Redistribution of methyl groups in the interaction of naphthalene with p-xylene and mesitylene on aluminosilicates. B. G. Gavrilov, L. F. Stepina. Neftekhimiia 3 no. 4 511-514 Jl-Ag '63.

Selective protection of amino groups in 1, 5-diaminotetrahydronaphthalene. Z. Dumitrescu, I. Ambrusch. Zhur. ob. khim. 33 no. 8 2793-2794 Ag '63.

Space groups and unit cells of organic compounds. Part 2. Peri-disubstituted naphthalenes. Z. A. Akopian, R. L. Avoian, IU. T. Struchkov. Zhur. struk. khim. 4 no. 5:712 S-O '63.

Sulfonation of naphthalene with sulfuric acid in the presence of alkali metal sulfates. B. V. Passet, M. E. Galanov. Zhur. prikl. khim. 36 no. 8 1793-1799 Ag '63.

NAPHTHALENE—SPECTRA

Vibrational analysis of the fluorescence spectra of a frozen solution of naphthalene in pentane and naphthalene vapors. M. A. Kovner, E. P. Krainov. Opt. i spektr. 15 no. 4 565-568 O '63.

NAPHTHALENE CRYSTALS—SPECTRA

Change of the multiplet nature of the nuclear quadrupole resonance spectrum in crystals of octachloronaphthalene. V. S. Grechishkin, G. B. Soifer. Zhur. strukt. khim. 4 no. 5:763-764 S-O '63.

NAPHTHALENECARBOXYLIC ACID

Reduction of naphtholcarboxylic acids. Part 9: Preparation of 6-bromo-2, 3-tetralone and methyl ester of 6-bromo-2, 3-tetralonecarboxylic acid. N. M. Przhitalgovskaia, V. F. Shner, V. N. Belov. Zhur. ob. khim. 33 no. 10 3292-3294 O '63.

NAPHTHALENONE

Reduction of naphtholcarboxylic acids. Part 9: Preparation of 6-bromo-2, 3-tetralone and methyl ester of 6-bromo-2, 3-tetralonecarboxylic acid. N. M. Przhitalgovskaia, V. F. Shner, V. N. Belov. Zhur. ob. khim. 33 no. 10 3292-3294 O '63.

NARPAISKIY DISTRICT—COLLECTIVE FARMS

Do not tolerate defects. A. Tashtimdiev. Part. zhizn' [Uzb.] 6 no. 2:78-80 F '63.

NASIEDKIN, ANATOLII

Significant theme. A. Dmytrenko. Mystetstvo 10 no. 4:16-17 Jl-Ag '63.

NATIONAL SELF-DETERMINATION see Self-determination, National

NATIONALISM see subdivision under Africa

NATIONALITIES
(see also subdivision under Soviet Central Asia)

A classic study of the policy of proletarian internationalism. G. Iseev. Komm. Uz. 35 no. 10 10-19 O '63.

Drawing closer of nationalities and strengthening friendship among the peoples of the U. S. S. R. Vest. AN Kazakh SSR 18 no. 4 85-87 Ap '62.

Efforts of the CPSU to extend the rights of the Union Republics, 1953-1962. M. O. Mnatsakanian. Vop. ist. KPSS 7 no. 10:3-15 O '63.

Recent historical studies on the friendship and fraternal cooperation of Soviet peoples. D. I. Gusev. Vop. ist. 38 no. 10:126-130 O '63.

NATROLITE CRYSTALS

Position of hydrogen atoms in natrolite. S. P. Gabuda and others. Kristallografiia 8 no. 3:388-392 My-Je '63.

NATURAL GAS see Gas, Natural

NATURAL HISTORY
(see also subdivision under White Sea region)

When autumn argues with winter. F. Smirnov. Semlia i shkola 18 no. 10:33 O '63.

NATURAL HISTORY—MISCELLANEA

It so happens that.... IUn. nat. no. 2:35 F '63.

NATURAL MONUMENTS see subdivision under Lipetsk Province

NATURAL RESOURCES
(see also subdivision under Krasnoyarsk Territory; Prut Valley; Soviet Central Asia)

Natural resources of the Soviet Union and their utilization and reproduction. IU. G. Saushkin. Vest. Mosk. un. Ser. 5: Geog. 18 no. 6:96 N-D '63.

NATURAL RESOURCES—RESEARCH see subdivision under Russia, Northern

NATURE PHOTOGRAPHY

What has the camera lense "seen"? Priroda 52 no. 9: 124-125 '63.

NATURE STUDY

Nature and children. E. Blagoveshchenskaia. Doshk. vosp. 36 no. 10 88-90 O '63.

Observing birds in autumn and winter. R. Maksimova. Doshk. vosp. 36 no. 10 52-54 O '63.

Stories about nature. V. Tetiurev. Doshk. vosp. 36 no. 10, 91-92 O '63.

NATURE STUDY—BIBLIOGRAPHY see Bibliography—Nature study

NAUTICAL ASTRONOMY

Effect of raising the eyes of an observer on the accuracy of astronomical observations. A. Rakhovetskii. Mor. flot 23 no. 8:16-17 Ag '63.

Position finding by three different observations of the sun. A. E. Kolodiazhnyi. Mor. sbor. 47 no. 11 61-64 N '63.

NAUTICAL TRAINING SCHOOL see subdivision under Odessa

NAVAL ARCHITECTURE

Justification of the architectural and structural type of a universal dry-cargo ship with 3, 000-4, 000-ton deadweight. L. Sokolov and others. Mor. flot 23 no. 8 29-32 Ag '63.

Krylov, A. N. [My recollections] Moi vospominaniia [Moskva] Izd-vo Akad. nauk SSSR, 1963. 379 p.

Maneuverability and the turning qualities of a ship. N. Vasil'ev. Mor. flot 23 no. 9 22-24 S '63.

NAVAL ART AND SCIENCE

Efficient use of the possibilities offered by military cybernetics. I. IA. Diner. Mor. sbor. 46 no. 7, 34-41 Jl '63.

Military and scientific conferences in the Red-Banner Baltic Fleet. IU. A. Khrypov. Mor. sbor. 47 no. 11, 25-28 N '63.

Some categories of naval tactics. IU. V. Kolesnikov. Mor. sbor. 47 no. 11:19-24 N '63.

NAVAL CEREMONIES, HONORS, AND SALUTES

Salute. V. Afanas'ev. Znan.-sila 38 no. 5:55 My '63.

NAVAL DISCIPLINE

Party and political work for the strengthening of naval discipline. M. V. Fisiun. Mor. sbor. 47 no. 11:14-18 N '63.

NAVAL EDUCATION

Diversify the forms of methodological work. S. M. TSyganov. Mor. sbor. 47 no. 11 52-55 N '63.

Experience in the training of young replacements. S. IA. Rudakov. Mor. sbor. 46 no. 7, 65-66 Jl '63.

Greater attention to the practical training of ship crews. V. I. Anisimov. Mor. sbor. 47 no. 11:45-49 N '63.

Increase the active role of a ship's commander in officer training. V. G. Germanovich. Mor. sbor. 46 no. 7 51-59 Jl '63.

Practice-training of students aboard ship. IU. G. Seleznev. Mor. sbor. 46 no. 7, 63-65 Jl '63.

Training of students in training squadrons and schools. E. I. Kozhevnikov. Mor. sbor. 47 no. 11:55-61 N '63.

NAVAL TACTICS

Preparing calculations for submarine chasers and submarine boats in tactical training centers on shore. V. F. Maiorov. Mor. sbor. 46 no. 7:59-63 Jl '63.

NAVIES
(see also subdivision 'Navy' under Germany, East; Poland; Russia; United States)

Brief news of foreign navies. Mor. sbor. 46 no. 7:85-88 Jl '63.

Brief news of foreign navies. Mor. sbor. 47 no. 11:86-89 N '63.

NAVIGATION see subdivision under British Channel

NAVIGATION—HANDBOOKS, MANUALS, ETC.

The kind of practical manual on navigation that would be desirable to have. S. F. Skriabin. Mor. sbor. 47 no. 11:64-66 N '63.

NAVIGATION—STUDY AND TEACHING

Navigator training of submarine boat watch officers. V. S. Maliarchuk. Mor. sbor. 47 no. 11:50-51 N '63.

NEAR EAST—ECONOMIC CONDITIONS

[Economic conditions of the countries of the Near and Middle East in 1961-1962] Ekonomicheskoe polozhenie stran Blizhnego i Srednego Vostoka v 1961-1962 gg. [Moskva] 1963. 63 p. (Biulleten' inostrannoi kommercheskoi informatsii; prilozhenie, no. 9)

NEAR EAST—RIGHT OF PROPERTY

Problem of landed property rights in the Orient. U. M. Akhmedzhanov. Vest. Mosk. un. Ser. 10: Pravo 18 no. 4:29-37 O-D '63.

NEARSIGHTEDNESS see Myopia

NEBULAE

Emission of Orion nebula in the 0.85-1.7μ wavelength range [with summary in English] V. I. Moroz. Astron. zhur. 40 no. 5,788-794 S-O '63

Origin of cometary nebulae [with summary in English]. G. A. Dibai. Astron. zhur. 40 no. 5;795-808 S-O '63

NEFTYANYYE KAMNI REGION—OIL FIELD FLOODING

Analysis of the water encroachment of pools of the Sub-Kirmaki series in the southwestern wing of the Neftyanyye Kamni deposit in edge water flooding. A. P. Ambartsumian and others. Izv. AN Azerb. SSR Ser. geol.-geog. nauk i nefti no. 3 3-8 '63

NEKLINOVSKIY DISTRICT—STONE IMPLEMENTS

A paleolithic site of the Yuginc culture in the Azov Sea region. N. D. Praslov. Sov. arkheol. 7 no. 3 218-219 '63.

NEMATODA

Biology of Ganguleterakis dispar, a parasite of geese. A. A. Gil'denblat. Trudy Mosk. vet. akad. 12:207-213 '56.

Capillarids of domestic birds and the diseases caused by them. V. G. Gagarin. Trudy Mosk. vet. akad. 12;214-229 '56.

NEMIROVICH-DANCHENKO, VLADIMIR IVANOVICH, 1858-1943

K. S. Stanislavskii's correspondence with V. I. Nemirovich-Danchenko, 1902-1917. Submitted by S. S. Pedol'skii. Ist. arkh. 8 no. 2,3-58 Mr-Ap '62.

NEODYMIUM

Isomeric state of Nd^{139}. K. IA. Gromov and others. Izv. AN SSSR Ser. fiz. 27 no. 10;1357-1359 O '63.

NEODYMIUM ISOTOPES—DECAY

Decay of Nd^{141}. E. I. Biriukov, N. S. Shimanskaia. Izv. AN SSSR Ser. fiz. 27 no. 11,1402-1407 N '63.

NEODYMIUM ISOTOPES—SPECTRA

Gamma radiation and conversion electron spectrum from Nd^{139}. G. M. Kolesov, T. V. Malysheva, L. N. Nikitiuk. Izv. AN SSSR. Ser. fiz. 27 no. 10 1267-1269 O '63.

NEPALESE STATESMEN see Statesmen, Nepalese

NEPHELINE SYENITE see subdivision under Armenia

NEPHELITE see subdivision under Kazakhstan

NEPHELOMETERS

Increasing the precision of measurements with the FEK-N-57 photocolorimeter-nephelometer. V. V. Ronzhin. Priborostroenie no. 10 29 O '63.

NERCHINSKIY ZAVOD—ATMOSPHERIC TEMPERATURE

Secular circulation of air temperature in Barnaul and Nerchinskiy Zavod. V. I. Arkhangel'skii. Vest. Mosk. un. Ser. 5, Geog. 18 no. 6:87-89 N-D '63.

NERCHINSKIY ZAVOD REGION—LEAD ORES

Basic characteristics of the geology of the Nerchinskiy Zavod region. K. F. Kuznetsov. Trudy IGEM no. 83 319-339 '63.

NERCHINSKIY ZAVOD REGION—ZINC ORES

Basic characteristics of the geology of the Nerchinskiy Zavod region. K. F. Kuznetsov. Trudy IGEM no. 83. 319-339 '63.

NERVES, SPINAL—DISEASES

Clinical aspects of the syndrome of acute cervical radiculitis in alcoholism [with summary in English]. A. P. Demichev. Trudy Gos. nauch.-issl. inst. psikh. 38 24-37 '63.

NERVOUS SYSTEM

Effect of cardiac glycosides on the summation capacity of the nervous system. E. E. Belen'kii. Sbor. nauch. trud. TSANII 3:161-166 '62.

Experimental study of the properties of the human nervous system. B. M. Teplov, V. D. Nebylitsyn. Zhur. vys. nerv. deiat. 13 no. 5 789-797 S-O '63.

Problems of infection and immunity in anthrax in the light of I. P. Pavlov's theory. Report No. 3. P. V. Bychkin. Trudy Mosk. vet. akad. 12;92-97 '56.

Role of the nervous system in the allergic reaction in chickens with tuberculosis. N. B. Ovanesova. Trudy Mosk. vet. akad. 12;138-148 '56.

Twentieth Conference on the Problems of Higher Nervous Activity. B. V. Pavlova, K. A. Lange. Zhur. vys. nerv. deiat. 13 no. 5:946-950 S-O '63.

NERVOUS SYSTEM—DISEASES

"A. IA. Kozhevnikov and the Moscow school of neuropathologists" by IU. P. Lisitsyn, I. A. Zinov'ev. Zhur. nevr. i psikh. 63 no. 2, 310-312 '63.

Clinical aspects and treatment of respiratory paralysis in diseases of the nervous system of different etiology. L. M. Popova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:65-66 '61.

Clinical characteristics of lesions in the nervous system caused by the ECHO type 9 virus [with summary in English] S. E. Ganzburg. Pediatriia 42 no. 5:33-36 My '63

Development of some neurologic syndromes in chronic tonsillitis and the methods of their treatment. IU. A. Malashkhia. Soob. AN Gruz. SSR 30 no. 5 679-684 My '63

Pathogenesis of mottled osteoporosis. A. L. Latypov. Kaz. med. zhur. no. 2,50-52 Mr-Ap '63

Pathologicoanatomical changes in the central nervous system and viscera in acute dichloroethane poisoning [with summary in English] S. D. Dusheiko. Trudy Gos. nauch.-issl. inst. psikh. 38 239-257 '63

Some disorders of higher nervous activity in chronic alcoholism [with summary in English] N. F. Baskina. Trudy Gos. nauch.-issl. inst. psikh. 38 230-244 '63

[Some problems of neuropathology and psychiatry; materials of the scientific and practical conference of neuropathologists and psychiatrists of the city of Kazan] Nekotorye voprosy nevropatologii i psikhiatrii, materialy nauchno-prakticheskoi konferentsii nevropatologov i psikhiatrov goroda Kazani. Kazan', Kazanskoe nauchn. ob-vo nevropatologov i psikhiatrov, 1963. 77 p.

[DNLM MICROFILM]

NERVOUS SYSTEM, VASOMOTOR

Conductive vasomotor disorders in lesions of the spinal cord. A. N. Vengerova. Trudy mol. nauch. sotr. MONIKI no. 1;184-186 '59

Segmental vasomotor disorders in diseases of the spinal cord. A. N. Vengerova. Trudy mol. nauch. sotr. MONIKI no. 1;187-190 '59.

NETO, AGOSTINO, 1908-

Agostino Neto. IU. Borisoglebskii. Mir. ekon. i mezhdunar. otn. no. 10 138-139 '63

NEURITIS, MULTIPLE

Alcoholic polyneuritis [with summary in English] Kh. G. Khodos. Trudy Gos. nauch.-issl. inst. psikh. 38 11-23 '63.

NEUROLOGY

"Method of experimental study of higher nervous activity in man" by V. K. Faddeeva. I. Sluchevskii. Zhur. nevr. i psikh. 63 no. 2 305-306 '63

NEUTRINOS

Absorption of electromagnetic waves on neutrinos [with summary in English]. V. N. TSytovich. Zhur. eksp. i teor. fiz. 45 no. 4 1183-1187 O '63.

Neutrino radioactivity and its role in astrophysical processes [with summary in English]. V. N. Baier, I. B. Khriplovich. Astron. zhur. 40 no. 5,785-787 S-O '63

NEUTRON DIFFRACTION CRYSTALLOGRAPHY

Determining the position of carbon in cementite by the neutron diffraction method. B. G. Liashchenko, L. M. Sorokin. Kristallografiia 8 no. 3;382-387 My-Je '63.

Neutronographic investigation of manganese telluride. A. V. Doroshenko and others. Fiz. met. i metalloved. 12 no. 6 911-912 D '61.

NEUTRONS

Effect of neutron radiation on the corrosion behavior of aluminum in water. A. V. Bialobzheskii. Dokl. AN SSSR 152 no. 4,899-900 O '63.

NEUTRONS—CAPTURE

Gamma-ray spectra produced in resonance neutron capture [with summary in English]. V. Ratynskii and others. Zhur. eksp. i teor. fiz. 45 no. 4:870-874 O '63.

Spectra of gamma rays and internal conversion electrons emitted in the capture of thermal neutrons by mercury nuclei. L. V. Groshev and others. Izv. AN SSSR Ser. fiz. 27 no. 11 1377-1391 N '63.

NEUTRONS—SCATTERING

Determining the phonon spectrum from the cross section of incoherent neutron scattering on a crystal. B. D. Laikhtman. Fiz. tver. tela 5 no. 10;3036-3037 O '63.

Inelastic scattering of 14 Mev. neutrons on Mg^{24} [with summary in English]. B. A. Benetskii, IU. P. Betin, IA. Gonzatko. Zhur. eksp. i teor. fiz. 45 no. 4,927-931 O '63.

NEUTRONS—SPECTRA

Results of measurements of fast neutron spectra using the counting efficiency method. G. G. Doroshenko and others. Izv. AN SSSR, Ser. fiz. 27 no. 10 1308-1312 O '63.

NEW GUINEA, WEST (WEST IRIAN)—DESCRIPTION AND TRAVEL

West Irian has emerged from darkness. V. Kopalin. Az. i Afr. seg. no. 11:24-27 N '63.

NEW JERSEY—BERYLLIUM

Experimental study of geochemical conditions in the formation of beryllium containing willemite. B. P. Sobolev. Trudy IMGRE no. 7;79-82 '61.

NEW JERSEY—WILLEMITE

Experimental study of geochemical conditions in the formation of beryllium containing willemite. B. P. Sobolev. Trudy IMGRE no. 7;79-82 '61.

NEW YORK (CITY)—NEWSPAPERS

Ignominious end. V. U. Nov. vrem. 21 no. 43 22 O '63.

NEWS BROADCASTS see Radio journalism

NEWSPAPERS

(see also subdivision under New York (City))

Keep in step with newspaper practices. K. G. Bolsh. Vest. Mosk. un. Ser. 7, Filol., zhur. 18 no. 5:87-100 S-O '63.

Problems of newspaper genres. V. Tratinskii. Zvezda no. 7 213-214 Jl '62.

NEWSPAPERS—BIBLIOGRAPHY see Bibliography—Newspapers

NEZHDANOVA, ANTONINA VASIL'EVNA, 1873-1950

Nightingale of the Russian land. L. P. Aleksandrovskaia. Rab. i sial. 39 no. 7:21 Jl '63.

NEZVAL, VITESLAV, 1900-1958

New book about Nezval. L. N. Budagova. Lit. slav. sb. 6 246-249 '63.

NIACIN see Nicotinic acid

NIBUFIN

Basis for the use of nibufin for the removal of small ureteroliths. M. K. Sadykova. Kaz. med. zhur. no. 2: 47-50 Mr-Ap '63.

NICKEL—ANALYSIS

Determination of small amounts of nickel and cobalt with the use of extraction. V. M. Savostina, V. M. Peshkova. Trudy Kom. anal. khim. 14 298-302 '63.

NICKEL—TESTING

Effect of the mechanical state of ferromagnetic nickel on its internal friction. O. I. Dateko. Fiz. met. i metalloved. 16 no. 3;416-420 S '63.

NICKEL ALLOYS

Methods of the spectral analysis of nickel-base alloys. N. M. Smirnova, T. A. Bessonova. Khim. mashinostr. no. 3:36-37 My-Je '63.

NICKEL ALLOYS—METALLOGRAPHY

Structural and volume changes in Co-C and Ni-C alloys during heating and cooling. A. A. Baranov. Izv. vys. ucheb. zav.; chern. met. 6 no. 9;148-155 '63.

NICKEL CATALYSTS

Effect of the nature of solvent and the amount of Raney nickel catalyst on the orientation of hydrogen addition to trans-piperylene. L. Kh. Freidlin and others. Neftekhimiia 1 no. 4:484-488 Jl-Ag '61.

NICKEL-CHROMIUM ALLOYS—OXYGEN CONTENT

Thermodynamic properties of oxygen solutions in Ni-Cr and Ni-Cr-C melts. Shui Tzia-iun [Hsu Chia-lung] and others. Izv. AN SSSR, Met. i gor. delo no. 5:58-63 S-O '63.

NICKEL-CHROMIUM ALLOYS—TESTING

Effect of cold, plastic deformation on the properties of the KhN35VTIU alloy. M. V. Pridantsev, E. G. Nazarov. Metalloved. i term. obr. met. no. 11:52-53 N '63.

NICKEL-CHROMIUM-IRON ALLOYS—METALLOGRAPHY

Electron microscopy of structural transformation in the N36KhTIU alloy. A. V. Smirnova. Metalloved. i term. obr. met. no. 11:4-8 N '63.

NICKEL-COBALT-ALUMINUM ALLOYS see Aluminum-nickel-cobalt alloys

NICKEL COMPOUNDS

Complex compounds of nickel and cobalt with 1-dimethylamino-5-methyl-2-hexyn-5-ol. S. N. Avakian, R. A. Zakarian. Zhur. ob. khim. 33 no. 10:3364-3366 O '63.

NICKEL FERRATE CRYSTALS

Nickel ferrite single crystals with a narrow ferromagnetic resonance line. S. Sh. Gendelev, B. L. Lapovok, B. E. Rubinshtein. Fiz. tver. tela 5 no. 10.3037-3038 O '63.

NICKEL OXIDES

Polarographic study of slags. Nickel and cobalt oxides. S. S. Ognianik. Ukr. khim. zhur. 29 no. 8 881-882 '63.

NICKEL PLATING

Temperature dependence of the intensity of magnetization of chemically deposited nickel films. N. A. Korenev. Fiz. met. i metalloved. 16 no. 3;328-333 S '63.

NICKEL SALTS—PHYSIOLOGICAL EFFECT

Study of the sensitivity of the skin of workers to the action of nickel salts [with summary in English]. L. P. TSyrkunov. Vest. derm. i ven. 36 no. 10:27-29 O '62.

NICKEL-SELENIUM ALLOYS

Electron diffraction study of phase formation and phase transformations in thin Ni - Se films. G. A. Efendiev, I. V. Ivanova. Fiz. tver. tela 5 no. 10 2854-2858 O '63

NICKEL TITANATES

Studying the transformations taking place during the synthesis of nickel metatitanates. N. S. Rassudova, L. S. Streltsov, N. A. Aleksandrova. Lakokras. mat. i ikh prim. no. 5, 27-29 '63.

NICOTINIC ACID—THERAPEUTIC USE

Treatment of chronic coronary insufficiency with nicotinic acid by the electrophoretic method G. F. Gurov. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 4 297-299 Jl-Ag '62.

NIEMEYER SOARES, OSCAR, 1907-

Khait, V. L., and O. N. IAnitskii. [Oscar Niemeyer] Oskar Niemeier. Moskva, [Gosstroiizdat] 1963. 155 p

NIGERIA—COMMERCE—RUSSIA

Nigeria has broken the "iron curtain." E. Onan. Az. i Afr. seg. no. 11:22-23 N '63.

NIGERIA—HYDROELECTRIC POWER STATIONS

The same thing again. B. Bulatov. Az. i Afr. seg. no. 11: 57-58 N '63.

NIGHT WORK

Profitable to everybody. N. Baranova. Sov. profsoiuzy 19 no. 17:5-6 S '63.

NIGHTINGALES see subdivision under Armenia

NIKOLAYEV REGION—FOG

Synoptic and climatic characteristics of fogs in the Nikolayev region. N. T. Kharlamova. Trudy UkrNIGMI no. 32:36-40 '62.

NIKOLAYEVKA (TATAR A. S. S. R.)—DIPHTHERIA

Studying an outbreak of diphtheria in a village; abstract. L. I. Fedorenko, Kh. G. Saidasheva. Kaz. med. zhur. no. 1, 112-113 Ja-F '61.

NIKOPOL' REGION—MANGANESE ORES

Making manganese metal on a phosphorous-free slag from first-grade Nikopol' manganese ore. S. I. Khitrik and others. Met. i gornorud. prom. no. 5, 66-68 S-O '63.

NIOBIUM

(see also subdivision under Timan Range)

Electron paramagnetic resonance of Nb^{4+} ions in silicate glasses. N. R. IAfaev, N. S. Garif'ianov. Fiz. tver. tela 5 no. 10:3025-3026 O '63.

NIOBIUM—ANALYSIS

Certain derivatives of dithiocarbamic acid as reagents for niobium [with summary in English] I. M. Gibalo, I. P. Alimarin, P. Davaadorzh Zhur. anal. khim. 18 no. 7 835-839 Jl '63.

Chemical-spectral method for determining impurities in metallic niobium [with summary in English]. N. N. Kuznetsova, L. S. Kraus. Zhur. anal. khim. 18 no. 9:1090-1093 S '63.

NIOBIUM—WELDING

Some characteristics in the welding of niobium and its alloys. D. S. Balkovets, L. N. Kaganov. Svar. proizv. no. 10:10-12 O '63.

NIOBIUM CARBIDE

Niobium diffusion in titanium carbide in a solid solution of TiC - NbC of equimolar composition. M. L. Baskin, V. I. Tret'iakov, I. N. Chaporova. Fiz. met. i metalloved. 12 no. 6:880-884 D '61.

NIOBIUM CHLORIDES

Thermographic analysis of the system RbCl - $NbOCl_3$ and CsCl - $NbOCl_3$ [with summary in English]. S. A. Shchukarev, E. K. Smirnova, I. V. Vasil'kova. Vest. LGU 18 no. 16:132-133 '63.

NITRAGIN

Effect of gibberellic acid on kidney beans treated with nitragin. V. P. Izrail'skii, A. S. Ryzhkova, L. I. Rozanova. Trudy Inst. mikrobiol. no. 11, 327-334 '61.

NITRATES

Low substituted nitrates of wood celluloses. G. A. Petropavlovskii, M. M. Krunchak, G. G. Vasil'eva. Zhur. prikl. khim. 36 no. 8:1799-1808 Ag '63.

Properties of films of low-substituted nitrates of wood cellulose. G. A. Petropavlovskii and others. Zhur. prikl. khim. 36 no. 8:1816-1821 Ag '63.

NITRATION

Halo-α-nitrocarboxylic acids. Part 1: Derivatives of chloronitroacetic acid. I. V. Martynov, IU. L. Krugliak, S. P. Makarov. Zhur. ob. khim. 33 no. 10:3382-3384 O '63.

Halo-α-nitrocarboxylic acids. Part 2: Derivatives of fluorochloronitroacetic acid. I. V. Martynov, IU. L. Krugliak, S. P. Makarov. Zhur. ob. khim. 33 no. 10: 3384-3386 O '63.

Halo-α-nitrocarboxylic acids. Part 3: Derivatives of α-nitrofluoroacetic acids. I. V. Martynov, IU. L. Krugliak, S. P. Makarov. Zhur. ob. khim. 33 no. 10 3386-3388 O '63.

Halo-α-nitrocarboxylic acids. Part 4: Derivatives of fluorochloro-α-nitropropionic acids. I. V. Martynov and others. Zhur. ob. khim. 33 no. 10:3388-3391 O '63.

Nitration and bromination of 6-phenyl-2-pyrone. N. P. Shusherina and others. Zhur. ob. khim. 33 no. 10 3134-3136 O '63.

NITRIC ACID

Physical properties of germanium surfaces in nitric acid solutions of different concentration. P. P. Konorov, O. V. Romanov. Fiz. tver. tela 5 no. 10 3039-3041 O '63.

NITRILES

Catalytic synthesis of the dinitrile of terephthalic acid. B. V. Suvorov and others. Zhur. prikl. khim. 36 no. 8 1837-1817 Ag '63.

Condensed heterocycles. Part 4: Condensation of 3-amino-1, 2, 1-triazoles with diaceto- and dipropionitriles IA. A. Levin, V. A. Kukhtin. Zhur. ob. khim 33 no. 8 2678-2682 Ag '63.

Reduction of aliphatic nitriles under conditions of Stephen reaction. E. N. Zil'berman, P. S. Pyrialova. Zhur. ob. khim. 33 no. 10 3420-3425 O '63.

Synthesis of polymers from the nitriles of aromatic and fatty acids by polyrecombination reaction. V. V. Korshak, S. L. Sosin, V. A. Vasnev. Dokl. AN SSSR 152 no. 4:872-874 O '63.

NITRO COMPOUNDS

Nucleophilic substitution of halogen for a nitro group in aromatic nitro compounds. Part 1: Interaction of tetranitro derivatives of benzene with halogen acids and phosphoryl chloride. G. M. Shutov and others. Zhur. ob. khim. 33 no. 10 3210-3211 O '63.

Reactions of aromatic nitro compounds. Part 17: Products of addition of alcoholates to dinitroanisole. S. S. Gitis, A. I. Glaz, A. IA. Kaminskii. Zhur. ob. khim. 33 no. 10 3301-3303 O '63.

Synthetic dyes. Part 32: Condensation of N-aryl quinaldinium salts with aromatic nitro compounds. G. T. Pilugin, S. V. Shinkorenko. Zhur. ob. khim. 33 no. 10 3223-3228 O '63.

NITRO COMPOUNDS—ABSORPTION SPECTRA

Spectra and halochromism of nitromethoxy- and dinitro derivatives of the thiophene analogs of chalcone V. M. Nikitchenko, S. V. TSukerman, V. F. Lavrushin. Zhur. ob. khim. 33 no. 8:2563-2568 Ag '63.

NITROBENZENE

Reactions of aromatic nitro compounds. Part 16: Preparation of the Janovsky reaction products. S. S. Gitis, A. IA. Kaminskii. Zhur. ob. khim. 33 no. 10 3297-3300 O '63.

NITROBENZENE—ELECTRIC PROPERTIES

Dielectric properties of acetone-nitrobenzene solutions in the superhigh-frequency range R. M. Kasimov, IA. IU. Akhadov, M. I. Shakhparonov. Vest. Mosk. un. Ser. 2 Khim. 18 no. 5 22-25 S-O '63

NITROGEN

Changes in the nitrogenous complex as related to various systems of drying grass for hay. N. P. Dzodzenko. Trudy VIZH 24:161-172 '62.

Determination of nitrogen by Kjeldahl micromethod. IU. IA. Gofman. Trudy po khim. prirod. soed. no. 5, 79-83 '62.

Nitrogen-containing substances in the fresh and dried vegetative matter of some plants V. G. Klimenko. Trudy po khim. prirod. soed. no. 5:3-14 '62.

Nitrogen-containing substances in the groats of tomato seeds. R. S. Isakova, A. D. Berezovikov. Trudy po khim. prirod. soed. no. 5:87-91 '62.

Unit for determining the solubility of nitrogen in liquid alloys. A. IA. Stomakhin, A. IU. Poliakov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11:10-11 '63.

Variability in the content of proteins and nonprotein nitrogen-containing substances in seeds of some pea species in the process of ripening. R. I. Pinegina, V. G. Klimenko. Trudy po khim. prirod. soed. no. 5:19-26 '62.

Variability in the protein and nonprotein nitrogen content during the ripening of the seeds of some bean species. V. V. Sviatova, A. D. Berezovikov, T. A. Baranova. Trudy po khim. prirod. soed. no. 5:63-68 '62

Variability of nitrogen-containing substances in the organs of beans in the process of ontogenesis. V. G. Klimenko, T. V. Varenikova. Trudy po khim. prirod. soed. no. 5:27-35 '62.

NITROGEN—ANALYSIS

Microchemical analysis of organofluorine compounds. Simultaneous microdetermination of fluorine and nitrogen [with summary in English]. N. D. Gol'man, N. I. Larina. Zhur. anal. khim. 18 no. 9:1100-1104 S '63.

NITROGEN—FIXATION

Fixation of molecular nitrogen by cell-free preparations from microorganisms [with summary in English] V. I. Liubimov Izv. AN SSSR, Ser. biol. 28 no. 5 681-692 S-O '63.

NITROGEN COMPOUNDS

Nitrogen compounds in the products of alcohol rectification. A. S. Egorov, G. L. Visnevskaia, E. V. Sokol'skaia. Trudy UkrNIISP no. 5:137-151 '59.

NITROGEN FERTILIZERS

Agrochemical evaluation of urea. D. A. Korenkov. Zemledelie 25 no. 10 30-31 O '63.

Foliar feeding of irrigated spring wheat with nitrogen fertilizers in the Kulunda Steppe. I. N. Shabalin. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2 113-116 '63.

NITROGEN-FIXING MICRO-ORGANISMS see Microorganisms, Nitrogen-fixing

NITROGEN ISOTOPES

Two-neutron transfer reaction in the bombardment of $Zr^{90,92,94}$ isotopes by N^{15} ions [with summary in English] V. V. Volkov and others. Zhur. eksp. i teor. fiz. 45 no. 4 897-903 O '63.

NITROGEN ISOTOPES—SPECTRA

Spectroscopic determination of the isotopic composition of nitrogen [with summary in English]. G. S. Larceva, A. A. Petrov, V. V. Fedorov Vest. LGU 18 no. 16 56-61 '63.

NITROGEN METABOLISM

Effect of various levels of protein feeding on nitrogen metabolism in dairy cows. N. N. Skorobogatykh. Dokl. TSKhA no. 69:111-117 '61.

NITROGEN OXIDES

Alkaline absorption of nitrogen oxides in a tubular tower with a centrifugal volume sprayer and evenly distributed flow. S. N. Ganz, I. E. Kuznetsov. Zhur. prikl. khim. 36 no. 8 1693-1697 Ag '63.

Rate of absorption of nitrogen oxides in tubular towers with centrifugal volume sprayers. S. N. Ganz, I. E. Kuznetsov. Zhur. prikl. khim. 36 no. 8 1686-1692 Ag '63.

NITRONE

Composition and extractibility of nitrone-thiocyanate complexes of some metals. A. S. Babenko, V. N. Tolmachev. Trudy Kom. anal. khim. 14:160-171 '63.

NITROSYL CHLORIDE

Reaction of nitrosyl chloride with unsaturated hydrocarbons. Part 8. Reaction with 2-butene. K. A. Ogloblin, M. A. Samuitsev. Zhur. ob. khim. 33 no. 10 3257-3262 O '63.

NIVALINE

Nivaline electrophoresis; electrochemical, experimental, biochemical, and functional examinations. S. Kircheva and others. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 4, 299-304 Jl-Ag '62.

NOCARDIA

Vitamin B_{12} formation by proactinomycetes of the genus Nocardia. T. V. Finogenova. Nauch. dokl. vys. shkoly, biol. nauki no. 4 167-169 '63.

NOGIN, VIKTOR PAVLOVICH, 1878-1924

Brief reminiscences on V. P. Nogin. L. B. Krasin. Ist. arkh. 8 no. 2 168-170 Mr-Ap '62.

NOISE—PHYSIOLOGICAL EFFECT

Effect of noise on vitamin C metabolism in experimental animals [with summary in English]. A. IA. TSeitina, S. A. Lapina, A. A. Arkad'evskii. Vop. pit 22 no. 1 78-83 Ja-F '63.

NOMOGRAPHY (MATHEMATICS)

Graphic and graphic-analysis methods for chain nomograms with parallel scales G. I. Ter-Stepanian. Dokl. AN Arm. SSR 36 no. 4 203-209 '63.

NON-EULCIDEAN GEOMETRY see Geometry, Non-Euclidean

NONFERROUS METALS

Effect of emulsifying and of oxygen on the properties of oleic acid as collector in the selective flotation of pyrochlore-zircon concentrates S. I. Pol'kin, L. D. Plaksina, V. A. Chanturiia. Izv. AN SSSR, Met. i gor. delo no. 5:154-158 S-O '63

New mills and devices for rolling nonferrous metals and alloys. V. V. Neminushchii. Met. i gornorud. prom. no. 4 78-84 Jl-Ag '63.

NONFERROUS METALS—METALLURGY

(see also subdivision under Artemovsk)

Using chemical catalysis for nodulizing charge mixtures composed of various raw materials. P. I. Kanavets and others. Trudy IGI 22 114-125 '63.

NONWOVEN FABRICS

Development of the technology for the production of nonwoven fabrics by means of fiber bonding. M. V. Filatova. Nauch.-issl. trud. TSNIIShersti no. 16, 91-96 '61.

Use of nonwoven fabrics in the manufacture of women's dresses. L. I. Bobkova, L. N. Parfenova, Iu. D. Shirlina. Shvein. prom. no. 3, 21-23 Je-Jl '61.

NORBORNADIENE

Investigation of the polymerization of some unsaturated cyclic hydrocarbons under pressure. bicyclo-(2, 2, 1)-heptadiene-2, bicyclo-(2, 2, 1)-heptadiene-2-5 and cyclo-heptatriene. A. M. Poliakova and others. Neftekhimiia 1 no. 4, 521-526 Jl-Ag '61.

NORBORNENE

Investigation of the polymerization of some unsaturated cyclic hydrocarbons under pressure. bicyclo-(2, 2, 1)-heptene-2, bicyclo-(2, 2, 1)-heptadiene-2-5 and cycloheptatriene. A. M. Poliakova and others. Neftekhimiia 1 no. 4, 521-526 Jl-Ag '61.

Terpene phenols. Part 12. Condensation of camphene and norbornene with p-cresol and transformations of condensation products. L. A. Kheifits, L. M. Shulov, V. N. Belov. Zhur. ob. khim. 33 no. 8, 2748-2751 Ag '63.

Terpene phenols. Part 15. Transformations of products of condensation of norbornene with phenol. L. A. Kheifits, A. F. Gol'dovskii. Zhur. ob. khim. 33 no. 10, 3399-3403 O '63.

NORD, BENEDIKT NAUMOVICH, 1903-

In years of war and peace. P. Posudovskyi. Mystetstvo 10 no. 4, 36 Jl-Ag '63.

NORIL'SK REGION—ALUMINUM SILICATES

X-ray study of some aluminum silicate and sulfide minerals of the Noril'sk deposit. E. N. Fliseev, I. V. Kavich, M. G. Mironchuk. Rent. min. syr. no. 2, 23-35 '62.

NORIL'SK REGION—BENTHOS

Noril'sk lakes and their bottom fauna. N. V. Vershinin. Trudy Gidrobiol. ob-va 13, 63-72 '63.

NORIL'SK REGION—PALEOBOTANY

New Early Triassic plants from the Noril'sk region. N. A. Shvedov. Shor. st. po paleont. i biostrat. no. 32, 59-67 '63.

NORIL'SK REGION—SULFIDES

X-ray study of some aluminum silicate and sulfide minerals of the Noril'sk deposit. F. N. Fliseev, I. V. Kavich, M. G. Mironchuk. Rent. min. syr. no. 2, 23-35 '62.

NORSK-BRITISK-SVENSKE VITENSKAPELIGE EKSPEDISJON TIL ANTARKTIS, 1949-1952

Glacier, John. [Maudheim, two years in the Antarctic. The Norwegian-British-Swedish Scientific Expedition, 1949-1952. Translated from the Norwegian] Modkheim, dva goda v Antarktike, Nauchnaia Norvezhsko-britansko shvedskaia ekspeditsiia, 1949-1952 gg. Moskva, Gos. izd-vo geogr. lit-ry, 1958. 254 p.
(WaU)

NORTH AMERICA—LUMBERING—MACHINERY

New lumbering machinery. I. V. Kessel'. Les. prom. 10 no. 5, 29 My '62.

NORTH ATLANTIC TREATY ORGANIZATION

The Atlantic alchemists describe their disagreements. F. Orekhov. Mezhdunar. zhizn' 10 no. 12, 116-123 D '63.

Clouds again . . . A. Vladimirov. Mezhdunar. zhizn' 10 no. 12, 112-113 D '63.

NATO's spider's web in Africa. I. Fadeev. Mezhdunar. zhizn' 10 no. 12, 99-102 D '63.

Onerous heritage. P. Kriukov, E. Novosel'tsev. Mezhdunar. zhizn' 10 no. 12, 12-21 D '63.

What did the transoceanic "benefactors" bring to Greece? V. Kondrat'ev. Otv. na vop. trud. no. 1, 37-44 Ja '63.

NORTH KAZAKHSTAN PROVINCE—LAKES

Study of the Northern Kazakhstan lakes. G. D. Ovchinnikov. Vest. Mosk. un. Ser. 5, Geog. 18 no. 6, 88-90 N-D '63.

NORTH KOREA see Korea, North

NORTH OSSETIA see Ossetia, North

NORTHERN CAUCASUS see Caucasus, Northern

NORWAY—COMMUNIST PARTY

Glorious anniversary. E. Gudager. Vop. ist. KPSS 7 no. 10, 107-111 O '63.

NORWAY—FOREIGN ECONOMIC RELATIONS—RUSSIA

An example of good neighborly cooperation. IU. Serbin. Mezhdunar. zhizn' 10 no. 12, 106-107 D '63.

NORWAY—HISTORY

Norwegian bönder in the 11th and 12th centuries (to be concluded) [with summary in English]. A. IA. Gurevich. Sred. veka no. 24, 24-54 '63.

NORWAY—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Awin Bolstad's book "Without a mask." R. Belousova. Zvezda no. 7, 215 Jl '62.

NOSE, ACCESSORY SINUSES OF—RADIOGRAPHY

Large-photograph fluorography of the accessory sinuses of the nose in a polyclinic, results of work during an influenza epidemic. S. I. Avdonin. Kaz. med. zhur. no. 2, 36-40 Mr-Ap '63.

NOSOV, NIKOLAI NIKOLAEVICH, 1908-

Bright and gay talent. E. Neduva. Sem'ia i shkola 18 no. 11, 12-13 N '63.

NOTARIES

From the practice of notarial agencies. Sov. iust. no. 19, 31 O '63.

Legal advice. Rad. pravo no. 4, 141 Jl-Ag '63.

Legal aid to the executive committees of rural soviets in their notarial functions. A. Liashchenko. Rad. pravo no. 4, 26-27 Jl-Ag '63.

Let us simplify the registration and certification of documents. Sov. iust. no. 19, 20 O '63.

"Problems of notarial law." Reviewed by V. Drizhchanyi. Rad. pravo no. 4, 137-141 Jl-Ag '63.

We should change the rules which regulate the execution of notarial functions. V. Khukhin. Rad. pravo no. 4, 91-93 Jl-Ag '63.

NOVGOROD—ART METALWORK

Production technique of the 10th to 15th century Novgorod jewelers. N. V. Ryndina. Mat. i issl. po arkheol. SSSR no. 117, 260-268 '63.

NOVGOROD—BRACELETS

Glass bracelets from ancient Novgorod. M. D. Poluboiarinova. Mat. i issl. po arkheol. SSSR no. 117, 164-199 '63.

NOVGOROD—CATHEDRALS

Nikitina, IU. I. [St. Antonius Cathedral, an architectural monument of the 12th century] Antonievskii sobor - arkhitekturnyi pamiatnik XII veka. [Novgorod] "Novgorodskaia pravda," 1962. 22 p. illus.
(DDO)

NOVGOROD—COINS, CUFIC

The second Nerevskiy treasure of 10th century Cufic coins. S. A. IAnina. Mat. i issl. po arkheol. SSSR no. 117, 287-331 '63.

NOVGOROD—DENDROCHRONOLOGY

Dendrochronology of Novgorod. B. A. Kolchin. Mat. i issl. po arkheol. SSSR no. 117, 5-103 '63.

NOVGOROD—GLASS

Glass articles from ancient Novgorod. IU. L. Shapova. Mat. i issl. po arkheol. SSSR no. 117, 104-163 '63.

NOVGOROD—POTTERY, ORIENTAL

The Near Eastern and the Golden Horde glazed pottery from the archaeological excavations in Novgorod. A. L. Medvedev. Mat. i issl. po arkheol. SSSR no. 117, 269-286 '63.

NOVGOROD (DUCHY)

"Governors of the Duchy of Novgorod" by V. L. IAnin. Reviewed by A. A. Zimin. Sov. arkheol. 7 no. 3, 272-279 '63.

NOVGOROD PROVINCE—NAMES, GEOGRAPHICAL

Local toponyms such as "pod"yablon'ka" in the Pskov and Novgorod provinces. A. V. Nikitin. Pskov. gov. no. 1, 96-116 '62.

NOVIKOV, IVAN ALEKSEEVICH, 1878-

IAkovleva, T. M. [The image of the poet; Pushkin in I. A. Novikov's historical novel] Obraz poeta; Pushkin v istoricheskom romane I. A. Novikova. Tbilisi, Izd-vo Soiuza pisatelei Gruzii, 1962. 131 p.
(NIC)

NOVOCAINE

Dystonia with painful manifestations of traumatic origin cured with a novocaine block. A. M. Molchanova. Kaz. med. zhur. no. 2, 80-81 Mr-Ap '63.

Etiopathogenic therapy of phlegmon in horses. A. G. Kakurina, O. G. Tikhonova, M. P. Riazanskii. Trudy Ul'ian. sel'khoz. inst. 8 no. 2, 51-57 '61.

Local novocaine and beneaine infiltration block in the treatment of circumscribed chronic pruritic dermatoses. R. S. Markovich. Vest. derm. i ven. 36 no. 10, 53-55 O '62.

Treatment of bronchial asthma by intratracheal administration of penicillin in a novocaine solution. A. S. Simonenko. Kaz. med. zhur. no. 2, 35-36 Mr-Ap '63.

Use of the vagosympathetic blockade in otorhinolaryngological diseases and in otogenous sepsis. I. G. Trianta-fillidi. Trudy mol. nauch. sotr. MONIKI no. 1, 276-285 '59.

NOVOCAINE—THERAPEUTIC USE

Novocaine electrophoresis in the treatment of experimental wounds. N. A. Barsukov. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 4, 304-307 Jl-Ag '62.

NOVOGRUDOK DISTRICT—COMMUNIST EDUCATION

Increased interest in political education. V. Mitrofanov. Komm. Bel. 37 no. 8, 48-52 S '63.

NOVO-KUBANSKAYA REGION—SEED PRODUCTION

Accelerated production of seed. P. G. Kalashnikov, Zh. delie 25 no. 10, 28-29 O '63.

NOVOLIPETSK—INDUSTRIAL HYGIENE

I was entrusted with . . . Anatolii Ilunaov. Sov. no. 10, 28-29 '63.

NOVOROSSIYSK—CAST IRON

Grinding bodies made from high-strength cast iron. F. A. Il'inov. TSement 29 no. 4, 19-20 Jl-Ag '63.

NOVOROSSIYSK—CEMENT INDUSTRIES—HYGIENIC ASPECTS

In reliable hands. G. Sinel'nikov. Okhr. truda i sotsial. strakh. 6 no. 11, 15 N '63.

NOVOROSSIYSK—GRINDING MACHINES

Grinding bodies made from high-strength cast iron. F. A. Il'inov. TSement 29 no. 4, 19-20 Jl-Ag '63.

NOVOROSSIYSK—HISTORY

Khmylov, A. P. [How victory was forged; Communists of Novorossiisk during the years of the Great Patriotic War] Tak kovalas' pobeda; kommunisty Novorossiiska v gody Velikoi Otechestvennoi voiny, istoricheskii ocherk. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1962. 95 p.
(MH)

NOVOROSSIYSK—WORLD WAR, 1939-1945

Eternal fire. Nikolai Rykov. Ogonek 41 no. 11, 17 '63.

NOVOSHESHMINSK DISTRICT—DIPHTHERIA

Fighting diphtheria in the country; abstract. F. K. Kasimov and others. Kaz. med. zhur. no. 1, 113 Ja-F '61.

NOVOSIBIRSK—CAMPING

Physiological and hygiene evaluation of the labor system and some data showing the effectiveness of the stay of school children at Communist Youth camps in the city of Novosibirsk. D. I. Kaganovich. Uch. zap. Novosib. nauch.-issl. inst. gig. no. 2, 15-18 '60.

NOVOSIBIRSK—FOUNDATIONS—THERMAL PROPERTIES

Temperature conditions of individual foundations in Novosibirsk. V. A. Sokolov. Trudy NIIZHT no. 20, 115-123 '62.

NOVOSIBIRSK—RESEARCH

Communist labor research. V. Sigarskii. Sbornik Soiuza 19 no. 17, 10-13 S '63.

NOVOSIBIRSK—SOIL STABILIZATION

Practice in the compaction of macroporous soils (loess) in Novosibirsk. F. A. Nikitenko, K. I. Bludilin. Trudy NIIZHT no. 28, 63-70 '62.

NOVOSIBIRSK—THEATERS—STAGE SETTING AND SCENERY

Artists of musical Novosibirsk. V. Vanslov. Tekh. est. no. 10, 25-34 '63.

NOVOSIBIRSK PROVINCE—FARM MECHANIZATION

Machine operators are uncovering potentials for increasing labor productivity. V. Churakov. Ekon. sel'khoz. 34 no. 10, 88-92 O '63.

NOVOSIBIRSK PROVINCE—HOSPITALS, RURAL

Consolidation of rural district hospitals in Novosibirsk Province. K. Ponazdyr', V. Rozhkov. Zdrav. Rossii Feder. 7 no. 11, 27-29 N '63.

NOVOSIBIRSK PROVINCE—MACHINERY INDUSTRY - MANAGEMENT

Perfection of the personnel structure and the organizational problems of production. K. I. Nikolaeva. Iz. SO AN SSSR no. 1, Ser. obshchestv. nauk no. 1, 31-41 '63.

NOVOSIBIRSK PROVINCE—TIME STUDY

Machine operators are uncovering potentials for increasing labor productivity. V. Churakov. Ekon. sel'khoz. 34 no. 10, 88-92 O '63.

NOVOSIBIRSK RESERVOIR—ALGAE

Algae in the Ob' River and Novosibirsk Reservoir. A. V. Solonevskaia. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2, 79-84 '63.

NOVOSIBIRSK RESERVOIR—FRESHWATER FLORA

State of phytobenthos in Novosibirsk Reservoir under conditions of a normal backwater level. G. D. Lopatina. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2, 85-90 '63.

NOVYY SARAY—INSCRIPTIONS, KIPCHAK

An inscription and drawing on a bone from Novyy Saray. G. A. Fedorov-Davydov, I. S. Valnev. Sov. arkheol. 7 no. 3, 245-246 '63.

Language characteristics of the inscription from Novyy Saray. M. Usmanov. Sov. arkheol. 7 no. 3, 246-249 '63.

NOZZLES

Problems in selecting nozzles for crushing bark by a water jet at subsonic speed. V. G. IUgov. Trudy TSNIIME no. 11:55-65 '63.

NUCLEAR COUNTERS

Highly directional Cherenkov counter for relativistic particles. P. R. Arutiunian, L. V. Ananova, N. G. Grigorian. Izv. AN Arm. SSR Ser. fiz.-mat. nauk 16 no. 5 119-123 '63.

NUCLEAR ENGINEERING

[Nuclear engineering abroad] Atom. tekh. za rub. 7 nos. 10-11 O-N '63

NUCLEAR FISSION

Fission of Th^{232} nuclei by 11 Mev. neutrons and continuous spectrum photons with an energy of $E_{\gamma\ max}$ = 90 Mev. A. P. Komar, B. A. Korbagov, V. I. Fadeev. Dokl. AN SSSR 152 no. 1:858-861 O '63.

Half life of a spontaneously fissioning isomer [with summary in English]. V. P. Perelygin, S. P. Tret'iakova. Zhur. eksp. i teor. fiz. 15 no. 4 863-866 O '63.

Secondary reactions of astatine production in Bi and Pb bombardment by 3-10 Bev. protons [with summary in English]. N. S. Mal'tseva, V. N. Mekhedov, V. N. Rybakov. Zhur. eksp. i teor. fiz. 15 no. 4 852-856 O '63.

NUCLEAR MAGNETIC RESONANCE AND RELAXATION

Effect of an external electrical field on the frequency of nuclear quadrupole resonance. L. D. Pichakhchi, A. M. Ivanchenko. Zhur. struk. khim. 4 no. 5 687-690 S-O '63.

Nuclear magnetic resonance of the crystal hydrates of uranyl nitrate. N. M. Aleksandrov and others. Zhur. struk. khim. 4 no. 5:762-763 S-O '63.

Nuclear relaxation and the structure of solutions of vanadyl salts. A. I. Rivkind. Zhur. struk. khim. 4 no. 5: 664-671 S-O '63.

Temperature dependence of nuclear magnetic relaxation times of protons and deuterons in aqueous solutions of Mn^{2+} ions. R. K. Mazitov. Dokl. AN SSSR 152 no. 2: 375-378 S '63.

NUCLEAR MODELS

Accuracy of the generalized Hartree - Fock method in nuclear physics [with summary in English]. I. N. Mikhailov. Zhur. eksp. i teor. fiz. 15 no. 4:1102-1110 O '63.

Electron scattering by nuclei according to the α-particle model of the nucleus [with summary in English]. V. Vadis, L. Inopin, M. Usef. Zhur. eksp. i teor. fiz. 45 no. 4:1164-1166 O '63.

Clebsch-Gordan coefficients in the translational-invariant shell model. IU. F. Smirnov, K. V. Shitikova. Izv. AN SSSR. Ser. fiz. 27 no. 11 1442-1450 N '63.

Quasi-static liquid-drop model of the nucleus as an approximation to the statistical model [with summary in English]. V. M. Strutinskii, A. S. Tiapin. Zhur. eksp. i teor. fiz. 45 no. 3:960-965 O '63.

Regge narrowing of the diffraction cone and the role of multiple-meson interactions [with summary in English]. E. I. Leinberg, D. S. Chernavskii. Zhur. eksp. i teor. fiz. 45 no. 4:1252-1259 O '63.

Superfluidity and excited states of spherical nuclei with odd atomic numbers. B. L. Birbrair. Izv. AN SSSR. Ser. fiz. 27 no. 10:1329-1337 O '63.

NUCLEAR PHYSICS—RESEARCH

A step to the sun. Gleb Anfilov. Ogonek 41 no. 39:17-19 S '63.

NUCLEAR REACTIONS

Angular distribution of recoil nuclei in the reaction $\mu^- + He^3 \rightarrow H^3 + \nu$ [with summary in English]. G. IA. Koreman, R. A. Eramzhian. Zhur. eksp. i teor. fiz. 45 no. 4:1111-1113 O '63.

(He^3, α) reaction on C^{12} and Mg^{24} nuclei [with summary in English]. V. M. Pankratov, I. N. Serikov. Zhur. eksp. i teor. fiz. 45 no. 4 910-912 O '63.

Instant, stop. O. Pysarzheva'kyi. Nauka i zhyttia 12 no. 3:51-54 Mr '63.

Levels in the Li^7 nucleus appearing in its photodisintegration. L. A. Kul'chitskii and others. Izv. AN SSSR. Ser. fiz. 27 no. 11:1412-1418 N '63.

Measurement of the cross section of the $C^{12}(p, pn)C^{11}$ reaction at an energy of 9 Bev. B. I. Bekker and others. Zhur. eksp. i teor. fiz. 45 no. 4:1269-1270 O '63.

Measuring the lifetime of the levels of Eu^{152}, Ag^{110}, and Cs^{134} nuclei engendered in ($n\gamma$) reactions [with summary in English]. A. M. Berestovoi, D. M. Kaminker, L. A. Kondurov. Zhur. eksp. i teor. fiz. 45 no. 4:892-896 O '63.

The $\pi + N \rightarrow \pi + \gamma + N$ reaction and the constants of photoproduction of π-mesons on π-mesons [with summary in English]. V. A. Meshcheriakov, L. L. Nemenov, L. D. Solov'ev. Zhur. eksp. i teor. fiz. 45 no. 1:1188-1191 O '63.

Relation between the total cross sections for the $1/2 + 1/2 \rightarrow O + O$ reactions and the internal parities of particles [with summary in English]. S. M. Bilen'skii, R. M. Ryndin. Zhur. eksp. i teor. fiz. 45 no. 4:1192-1195 O '63.

Relation of the cross sections of formation of Sc^{44}, Sc^{44m} isomer pairs in reaction involving heavy ions [with summary in English]. V. V. Bredel', B. A. Gvozdev, V. A. Pomichev. Zhur. eksp. i teor. fiz. 15 no. 4 904-909 O '63.

Representation of the density of the nucleus and its potential by various analytic functions and their application in studying the interaction of particles with nuclei. M. Z. Maksimov. Izv. AN SSSR. Ser. fiz. 27 no. 10:1319-1328 O '63.

Study of the reaction Li^6 (d, α) He^4 at deuteron energies ranging from 1 to 2.5 Mev. IU. P. Antuf'ev. Izv. AN SSSR. Ser. fiz. 27 no. 11 1451-1455 N '63.

Study of the reaction Mg^{26} (p, α) Al^{27} at proton energies ranging from 1.8 to 2 Mev. A. K. Val'ter and others. Izv. AN SSSR Ser. fiz. 27 no. 11 1419-1426 N '63.

Two-neutron transfer reaction in the bombardment of $Zr^{90, 92, 91}$ isotopes by N^{15} ions [with summary in English]. V. V. Volkov and others. Zhur. eksp. i teor. fiz. 45 no. 4 897-903 O '63.

Use of Chew and Low's method in studying $\pi+\pi$-interactions at low energies [with summary in English]. IU. A. Batusov and others. Zhur. eksp. i teor. fiz. 45 no. 4 913-920 O '63.

NUCLEAR REACTORS

Kinetics of a reactor at the end of the subcritical state [with summary in English]. T. S. Didelkin. Inzh.-fiz. zhur. 6 no. 11:90-96 N '63.

Levin, V. E. [Nuclear reactors] Iadernye reaktory. [Moskva] Gosatomizdat [1963]. 303 p.

Value function in multigroup age-diffusion approximation. G. V. Shishkin. Dokl. AN BSSR 7 no. 10:669-672 O '63.

NUCLEAR SPIN

Exchange interaction through current carriers in ordered semiconducting magnetic materials. B. V. Karpenko, A. A. Berdyshev. Fiz. tver. tela 5 no. 10 3026-3028 O '63.

Spin dependence of the density of resonance levels [with summary in English]. K. G. Ignat'ev, I. V. Kirpichnikov, S. I. Sukhoruchkin. Zhur. eksp. i teor. fiz. 45 no. 1:875-881 O '63.

Splitting of levels in even-mass deformed nuclei. N. I. Platov. Izv. AN SSSR. Ser. fiz. 27 no. 11:1436-1441 N '63.

NUCLEI, ATOMIC

Amplification of E2 and E3 transitions in the nuclear p-shell as an indication of the spatial isolation of α-associations. Z. Mattkhiz, V. G. Neudachin, IU. F. Smirnov. Izv. AN SSSR. Ser. fiz. 27 no. 10:1273-1276 O '63.

Phenomenological approach to the theory of the nucleus [with summary in English]. A. B. Migdal, A. I. Larkin. Zhur. eksp. i teor. fiz. 45 no. 4 1036-1050 O '63.

Quadrupole excitations of atomic nuclei. V. G. Shevchenko, N. P. IUdin, B. A. IUr'ev. Izv. AN SSSR. Ser. fiz. 27 no. 10:1313-1318 O '63.

NUCLEI, ATOMIC—DECAY

Mechanism underlying total nuclear decay [with summary in English]. IU. A. Berezhnoi and others. Zhur. eksp. i teor. fiz. 45 no. 4 1030-1035 O '63.

NUCLEIC ACID METABOLISM

Biochemistry of nucleic acid metabolism of spermatozoa in relation to the problems of sex determination in mammals [with summary in English]. V. N. Shreider. Izv. AN SSSR. Ser. biol. 28 no. 4:555-561 Jl-Ag '63

Changes in the amount of nucleic acids in the organs of rats under the influence of X irradiation and the prophylactic action of propyl gallate [with summary in English] M. F. Lipkan, V. A. Baraboi, R. H. Lukashova. Ukr. biokhim. zhur. 34 no. 2 167-175 '62

Reduction of the protein-nucleic acid metabolism in severed leaves during their vivescence under the influence of kinetin. O. N. Kulaeva and others. Dokl. AN SSSR 152 no. 6:1475-1478 O '63.

Role of nucleic acids and protein in induced chlorophyll biosynthesis [with summary in English]. IU. G. Molotkovskii, V. F. Moriakova. Izv. AN SSSR. Ser. biol. 28 no. 5:719-723 S-O '63.

NUCLEIC ACIDS

Amount of nucleic acids and some other phosphorus compounds in early and late varieties of spring wheat [with summary in English]. N. I. Semenenko, L. O. Krasyl'nikova, IU. P. Korzhenko. Ukr. biokhim. zhur. 34 no. 2, 275-285 '62.

Belozerskii, A. N. [Nucleic acids and their biological significance] Nukleinovye kisloty i ikh biologicheskoe znachenie; rasshirennaia stenogramma lektsii prochitannoi v TSentral'nom lektorii Vsesoiuznogo obshchestva "Znanie," Moskva, Izd-vo "Znanie," 1963. 62 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no. 15/16)

Combined method of detection of deoxyribonucleic acid and acid mucopolysaccharides. L. M. Nepomniashchikh. Arkh. pat. no 2:76-77 '63.

Determining the degree of spiralization of transport RNA from the fluorescent properties of their complexes with acridine dyes. O. F. Borisova, L. L. Kiselev, L. A. Tumerman. Dokl. AN SSSR 152 no. 4:1001-1004 O '63

The 19th Bach Lecture. A. A. Bogdanov, R. S. Shakulov Izv. AN SSSR Ser. biol. 28 no. 4:637 Jl-Ag '63.

Obtaining a single-spiral deoxyribonucleic acid. D. M. Spitkovskii and others. Nauch. inform. Otd. nauch. med. inform AMN SSSR no 1 11-12 '61.

Primary structure of RNA. Specific splitting of ribonucleic acid. N. K. Kochetkov and others. Dokl. AN SSSR 152 no. 1:1005-1008 O '63

RNA changes in the giant chromosomes of Chironomus dorsalis during metamorphosis and under experimental treatments. I. I. Liknadze, I. T. Filatova Dokl. AN SSSR 152 no. 2,450-453 S '63.

Simple method of quantitative determination of ribonucleic acid in tissue homogenates and extracts in the presence of acid-soluble nucleotides. N. V. Bogoiavlenskaia Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 12-13 '61

Study of the anaphylactogenic properties of deoxyribonucleic acids in tissues. V. IU. Klimov, K. G. Chamova Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 13-14 '61

Study of the radiosensitivity of DNA on the molecular level [with summary in English] P. I. TSeitlin and others. Trudy MOIP Otd. biol. 7 42-46 '63

NUCLEONS—SCATTERING

Determination of nucleon-nucleon interaction from electron scattering on nuclei [with summary in English]. V. P. IAkovlev. Zhur. eksp. i teor. fiz. 45 no. 4,1218-1224 O '63.

NUCLEOPROTEINS

Determination of the localization of nucleoproteids in the oocytes of the frog (Rana temporaria) by the methods of ultraviolet and luminescence microscopy. V. N. Shalumovich, N. S. Gabaeva. Dokl. AN SSSR 152 no. 6 1461-1464 O '63.

Nucleoproteins in pigmented nevi, precancerous and cancerous diseases of the skin in man [with summary in English]. G. S. TSeraidis. Vest. derm. i ven. 36 no. 10 22-27 O '62

Nucleoproteins of a virulent strain of the plague microbe [with summary in English] A. A. Kanchukh, S. I. Zaplatina, N. N. Basova Ukr. biokhim. zhur. 34 no. 2 176-186 '62.

NUCLEOSIDES

Aminoacyl derivatives of nucleosides. Part 6: Synthesis and properties of aminoacyl derivatives of deoxyribonucleosides. N. I. Sokolov and others. Zhur. ob. khim. 33 no. 8 2480-2486 Ag '63.

NUCLEOTIDES

Correlation between the data of radiation chemistry of polynucleotides and their precursors and some radiobiological effects [with summary in English]. M. I. Shal'nov Trudy MOIP Otd. biol. 7,47-59 '63.

Simple method of quantitative determination of ribonucleic acid in tissue homogenates and extracts in the presence of acid-soluble nucleotides N. V. Bogoiavlenskaia Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 12-13 '61.

NUMBERS, PRIME

Analogies of Titchmarsh's divisor problem [with summary in English]. M. B. Barban. Vest. LGU 18 no. 19: 5-13 '63.

Representation of prime numbers by polynomials in two indeterminates [with summary in English]. D. N. Lenskoi. Vest. LGU 18 no. 19:150-154 '63

NUMBERS, THEORY OF

Certain properties of arithmetic operations on duplexes. A. O. Slisenko. Dokl. AN SSSR 152 no. 2:292-295 S '63.

Number of integral points in a sphere. I. M. Vinogradov. Izv. AN SSSR. Ser. mat. 27 no. 5,957-968 S-O '63.

NUMERICAL CALCULATIONS

"Numerical analysis" [in English] by N. Macon. Reviewed by K. A. Semendiaev. Zhur. vych. mat. i mat. fiz. 3 no. 5 971-972 S-O '63.

NUMERICAL WEATHER FORECASTING

Forecasting the geopotential field on the mean level considering the effect of changeability of coriolis force and the presence of mountains. Z. V. Khvedelidze. Trudy TSIP no. 126:100-103 '63.

Numerical forecasting of the geopotential on the mean level. I. G. Sitnikov. Trudy TSIP no. 126 28-37 '63.

Numerical forecasting of vertical currents for some days in advance on the basis of baroclinic lineal three-level model of the atmosphere. V. M. Monakhov, M. S. Fuks-Rabinovich. Trudy TSIP no. 126 20-27 '63.

Practice in numerical forecasting of ground pressure for some days in advance. S. A. Mashkovich, IA. M. Kheifets. Trudy TSIP no. 126:8-19 '63.

Taking into account the diabatic effects in numerical short-range pressure forecasting. S. A. Mashkovich. Trudy TSIP no. 126:38-46 '63.

NUMERICAL WEATHER FORECASTING (Continued)
Taking into account the effect of diabatic factors in short-range forecasting of geopotential fields on lower levels of the atmosphere. V. S. Purganskii. Trudy TSIP no. 126:37-54 '63

NUMERICAL WEATHER FORECASTING—MAPS
Practice in the operative piecomputation of upper-air baric maps of three levels. S. L. Belousov. Trudy TSIP no. 126:3-7 '63.

NURSERIES (HORTICULTURE) see subdivision under Moscow

NURSERY STOCK see subdivision under Polesye, Ukraine

NUTRITION
Effect of a limited decrease of the protein content in the food ration on the development of a growing organism. V. I. Chistiakova. Trudy mol. nauch. sots., MONIKI no. 1: 120-122 '59.
Morphological changes in the tubular bones in rats in relation to the composition of their food ration in experimental prophylaxis and treatment of rickets. T. N. Zakharova, N. V. Pavlovicheva. Trudy mol. nauch. sots. MONIKI no. 1:110-119 '59

NYLON
Some results of the service testing of conveying belts made from capron fabrics. I. N. Konnov. Kauch. i rez. 22 no. 9:31-34 S '63.

OAK
(see also subdivision under Dzhanybek District)
Importance of individual components of forest soil for the development of pine and oak seedlings. N. M. Shemakhanova. Trudy inst. mikrobiol. no. 11:139-119 '61.

OB' RIVER—ALGAE
Algae in the Ob' River and Novosibirsk Reservoir. A. V. Solonevskaia. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2:79-84 '63.

OB' RIVER—FLOODS
Zonal characteristics of the Ob' floodplain during spring and summer flood periods. A. A. Maksimov, A. S. Nikolaev. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2: 68-78 '63.

OB' VALLEY—CLAY
Mechanical properties of Pleistocene clay rocks in the middle Ob' Valley. S. I. Chernousov. Trudy NIIZHT no. 28:45-51 '62.
Physical properties of Pleistocene clay sediments in the middle Ob' Valley. S. P. Abramov, S. I. Chernousov. Trudy NIIZHT no. 28:31-44 '62.

OB' VALLEY—LANDFORMS
Recent ravine formations in the upper Ob' Valley. F. A. Nikitenko. Trudy NIIZHT no. 28:7-22 '62.

OB' VALLEY—LOESS
Lithostratigraphic complexes of loess in the Ob' Valley. F. A. Nikitenko. Trudy NIIZHT no. 28:3-6 '62.

OBOYAN' DISTRICT—TRAUMATISM
Traumatism among the rural population of the Oboyan' District, Kursk Province, in 1961. V. M. Afanas'eva. Zdrav. Ros. Feder. 7 no. 10:17-20 O '63.

OBRUCHEV, VLADIMIR AFANAS'EVICH, 1863-1956
V. A. Obruchev, eminent scientist and explorer; on the 100th anniversary of his birth. D. I. Shcherbakov. Vest. AN SSSR 33 no. 10:116-119 O '63.
Vladimir Afanas'evich Obruchev as a geographer. S. V. Obruchev. Vest. Mosk. un. Ser. 5: Geog. 18 no. 5:79-80 S-O '63.

OBSTETRICS
Kantorovich, L. I. [Blood transfusion in obstetric practice] Perelivanie krovi v akusherskoi praktike. Pod red. L. S. Persianinova. Minsk, Gosizdat BSSR, 1963. 154 p.
(DNLM)
Moscow. (Province) Oblastnoi nauchno-issledovatel'skii institut akusherstva i ginekologii. [Authors' abstracts of scientific papers completed in 1961] Avtoreferaty nauchnykh rabot, vypolnennykh v 1961 g. Red. kollegiia: O. D. Matspanova i dr. Moskva, 1962. 118 p. [Cover title: Voprosy akusherstvo-ginekologicheskoi pomoshchi, no. 1]
(DNLM)

OCCUPATIONAL DISEASES
Fubromegan for the treatment of vasovegetative disturbances in occupational diseases. R. G. Golodets, E. A. Denisova, A. I. Ponizovskaia. Izv. AN Arm. SSR, Biol. nauki 16 no. 7:95-97 Jl '63.

OCCUPATIONS, DANGEROUS
Supplement to the No. 2 standard list of production processes of the chemical industry in which workers, engineers and technicians are paid according to the wage schedule established for harmful and difficult, and especially harmful and difficult working conditions. Regulation No. 240/19, July 31, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no. 10:4 '62.

OCEAN
On the threshold of the Ocean Age. N. Chernysheva. Znan.-sila 38 no. 5:12 My '63

OCEAN BOTTOM
(see also subdivision under Far East, Indian Ocean)
"The earth beneath the sea" [in English] by F. P. Shepard G. E. Udintsev. Okeanologiia 1 no. 3:569-570 '61
Kinematics of the wave flux propagating over the ridged surface of the bottom. B. A. Shuliak. Okeanologiia 1 no. 3:173-484 '61
Role of micro-organisms in the upper layer of bottom sediments of a shallow sea in the transformation of organic matter. A. I. Zhukova, M. V. Fedosov. Okeanologiia 1 no. 3:150-153 '61.

OCEAN CURRENTS
(see also subdivision under Arctic regions; Atlantic Ocean, Bering Sea, Chukchi Sea, Coral Sea; Indian Ocean)
Errors of the electromagnetic current meter occurring during winds causing the drift of the ship. V. V. Novysh. Okeanologiia 1 no. 3:531-537 '61.
White spots on the "blue continent." Priroda 52 no. 9: 110-111 '63.

OCEAN TEMPERATURE
(see also subdivision under Antarctic regions, Arctic regions, Atlantic Ocean, Sakhalin)
Annual variations of the temperature of surface waters in the world ocean and hydrological seasons. V. N. Stepanov. Okeanologiia 1 no. 3:399-406 '61.
Calculation of the elements of internal tidal waves and related periodic variations of the water temperature. D. U. Vapniar, V. F. Shapkina. Okeanologiia 3 no. 5: 814-823 '63.

OCEANOGRAPHIC INSTRUMENTS
Deepwater autonomous turbulence meter, and instrument for recording the turbulent velocity fluctuations and the temperature of the ocean. A. G. Kolesnikov and others. Okeanologiia 3 no. 5:911-921 '63.
Effect of the hull of a ship on recordings made by the electromagnetic method for measuring the velocities of currents [with summary in English]. F. I. Eskin. Vest. LGU 18 no. 18:166-169 '63.

OCEANOGRAPHIC RESEARCH
(see also subdivision under Atlantic Ocean, Indian Ocean, Indonesia, Mediterranean Sea; Pacific Ocean, Red Sea, United States)
Determination of the position of points of oceanographic observations. N. N. Syscev. Okeanologiia 3 no. 5:907-911 '63.
Development of maritime hydrometeorological research in the U. S. S. R. following Lenin's decree of March 10, 1921. A. M. Muromtsev. Okeanologiia 1 no. 3:375-381 '61.
Oceanographic vessels of the world. L. I. Itskevich. Okeanologiia 3 no. 4:758 '63.
Representativeness of oceanographic observations. V. R. Fuks. Izv. TINRO 46 251-256 '60.

OCEANOGRAPHY
(see also subdivision under Bering Strait, Black Sea; Chukchi Sea; Mediterranean Sea; Pacific Ocean)
Bogdanov, D. V. [Geography of the blue continent] Geografiia golubogo kontinenta. Moskva, Izd-vo Akad. nauk SSSR, 1963. 74 p. (Akademiia SSSR. Nauchno-populiarnaia serita)
Brief news. Okeanologiia 3 no. 5:944-945 '63.
Experimental determination of the coefficients of added water mass and the submersion resistance of bodies. V. G. Samarin. Okeanologiia 3 no. 4:714-720 '63.
Interaction of the waters of the Arctic Ocean with the waters of the Atlantic and Pacific Oceans. V. T. Timofeev. Okeanologiia 3 no. 4:569-578 '63.
Intermediate layers in the ocean. IU. A. Vladimirtsev. Okeanologiia 3 no. 5:798-802 '63.
Problems involved in deep-sea research. L. A. Zenkevich. Okeanologiia 1 no. 3:382-398 '61.
Results of the instrumental study of the decay of waves with regard to ocean depth. V. F. TSyplukhin. Okeanologiia 3 no. 5:833-839 '63.
Some hydrologic concepts used in studying pelagic populations of the oceans. K. V. Beklemishev. Trudy Gidrobiol. ob-va 13:274-284 '63.
Water masses and the distribution of oceanographic characteristics. IU. A. Ivanov. Okeanologiia 3 no. 5: 803-807 '63.

OCHERETIN, VADIM
From the best motives,... A. Borzenko. Nov. mir 39 no. 1:257-260 Ja '63.

OCTOPUS
Life of cephalopoda mollusks. L. I. Paramonova. Priroda 52 no. 9:122-123 '63.

ODESSA—CARGO HANDLING
Industrial potentialities within harbors to serve the seven-year plan. O. Tomas. Mor. flot 23 no. 8:12-13 Ag '63.

ODESSA—CLAY
Creep and normal and lasting strength of compact Maeotic clays. V. V. Zhikhovich. Osn., fund. i mekh. grun. 5 no. 4:7-10 '63.

ODESSA—CONFECTIONERY—ELECTRONIC EQUIPMENT
Use of the pulse type electromagnetic counter. G. L. Makaiis. Khleb. i kond. prom. 8 no. 1:33-34 Ja '62.

ODESSA—LONGSHOREMEN
We are the bosses. D. Novitskii. Sov. profsoiuzy 19 no. 19:11-15 O '63.

ODESSA—NAUTICAL TRAINING SCHOOLS
Course of famous captains. I. Morianov. Smena 40 no. 19:4-8 O '63.

ODESSA—OPHTHALMOLOGY
The 25th anniversary of the Academician V. P. Filatov Institute (1936-1961). N. A. Puchkovskaia, V. A. Rukina. Uch. zap. UEIGB 5 3-13 '62.

ODESSA—ORGANOTHERAPY
The 25th anniversary of the Academician V. P. Filatov Institute (1936-1961). N. A. Puchkovskaia, V. A. Rukina. Uch. zap. UEIGB 5 3-13 '62.

ODESSA—PETROLEUM INDUSTRY—FIRES AND FIRE PREVENTION
Fire at the Odessa petroleum tank farm. V. Chapchai. Pozh. delo 8 no. 9:26-27 S '62.

ODESSA—SUGAR MANUFACTURE
Experience in the processing of unrefined cane sugar in the Odessa Sugar Refinery. V. Petruniak, K. Dekhtiareva. Sakh. prom. 37 no. 11:36-39 N '63.

ODESSA—THEATER
The hero of this play is the Ukrainian people. M. Levchenko. Ukraina no. 13:16-17 Je '61.

ODESSA—THEOLOGICAL SEMINARIES
End of the academic year in the Odessa Theological Seminary. A. N. Kravchenko. Zhur. Mosk. Pat. no. 8: 15-16 Ag '64.

ODESSA PROVINCE—FROST
First autumn frosts in Odessa Province. V. F. Zemliakova. Trudy UkrNIGMI no. 32:41-45 '62.

ODESSA PROVINCE—MEDICINE, RURAL
Vice-chairman of a collective farm in charge of medicine. Kost' Sydorenko. Ukraina no. 21:21 N '61.

ODESSA PROVINCE—PHARMACISTS
First and second attestations of pharmacists in Odessa Province. V. M. Sheludko and others. Ap. delo 12 no. 5:56-59 S-O '63.

ODESSA REGION—MAGNETISM, TERRESTRIAL—OBSERVATIONS
Storozhinskii, A. I. [Results of the observations of the Odessa Magnetic Observatory for 1960] Rezul'taty nabliudenii Odesskoi magnitnoi observatorii za 1960 g. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963. 122 p. [Text in Russian, Ukrainian and English]

OFFENSES AGAINST SOCIALIST PROPERTY
(see also subdivision under Zolotonosha District)
Developing a communist attitude toward national property. Sov. gos. i pravo 33 no. 10:3-13 O '63.
Examining the place of a theft of socialist property. IU. Aleksandrov. Rad. pravo no. 4:47-51 Jl-Ag '63.
Reparation for loss caused by the embezzlement and theft of socialist property. O. Kul'chytats'kyi, P. Doniso. Rad. pravo no. 4:57-61 Jl-Ag '63.

OFFICE BUILDINGS
Unified standard sections of office and employees' service buildings in various branches of industry. Biul. stroi. tekh. 20 no. 8:3-4 Ag '63.

OFFICE EQUIPMENT AND SUPPLIES
Commerce should have modern administrative equipment. R. Kosmina. Sov. torg. 36 no. 8:5-9 Ag '63.

OFFICE EQUIPMENT AND SUPPLIES—BIBLIOGRAPHY see Bibliography—Office equipment and supplies

OFFICE PROCEDURES
Sifbic, V. [From mechanization to automation of office procedures. Translated from the Czech] Ot mekhanizatsii upravlencheskikh rabot. Moskva, Mashgiz, 1963. 296 p.

OGAREV, NIKOLAI PLATONOVICH, 1813-1877
"Kolokol" sounds the alarm. V. Putintsev. Nauka i zhizn' no. 2:55-58 F '62

OIL CAKE AS FEED
Study of the nutritive value of oilseed meal and cakes and their effect on the physiological condition of fishes and the productivity of fishponds. V. S. Prosianyi, V. S. Syrov, M. M. Syrova. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14:3-11 '62.

OIL FIELD FLOODING see subdivision under Neftyanyye Kamni region

OIL FIELDS
(see also subdivision under Lena Valley, Ukraine)
Useful and necessary books. Khim i tekh. topl. i masel 8 no.10:67-68 O '63.

OIL FIELDS—ELECTRONIC EQUIPMENT
Telemechanical apparatus for deep pumping wells and oil-gathering stations. L.N.Gavrilluk. Izv.vys.ucheb.zav., neft' i gaz 5 no.1,83-86 '62.

OIL HYDRAULIC MACHINERY
Akademiia nauk SSSR. Komitet nauchno-tekhnicheskoi terminologii. [Hydraulic drive] Gidroprivod. Moskva, Izd-vo Akad nauk SSSR
Pt 1. [Hydrodynamic transmissions (basic concepts, elements of hydrodynamic transmissions, hydraulic couplings, hydrodynamic torque converters) Terminology] Gidrodinamicheskie peredachi (osnovnye poniatiia, elementy gidrodinamicheskikh peredach, gidrodinamicheskie mufty, gidrodinamicheskie transformatory) Terminologiia. 1963. 24 p. (Sborniki rekomenduemykh terminov, no 63)
Analyzing torque converter characteristics. V.A.Bocharov. Trudy LIVT no 35 5-11 '62
Press cramp for press fitting of parts. A.M Zaidenko, N.F.Grigorova. Mashinostroitel' no.11:19 N '63.

OIL RECLAMATION
Production of phthalic anhydride by oxidation of the extract of a low-viscosity oil distillate. B.I.Golovanenko, A.Sh.Sharipov, N.V Ivanova Khim.i tekh.topl.i masel 8 no.10 9-13 O '63

OIL RESERVOIR ENGINEERING
(see also subdivision under Azerbaijan, Caucasus, Northern)
Interference of perfect wells in an infinite straight line in an elastic drive. G.P.Guseinov, I.A.Nasrullaev. Izv.vys.ucheb.zav.; neft' i gaz 5 no.1:45-49 '62.

OIL SANDS
(see also subdivision under Irkutsk Province)
Methods of studying fractured rocks in connection with their reservoir properties. E.M.Smekhov and others. Trudy VNIGRI no.121,7-66 '58.

OIL SHALES—TESTING
Determination of the nitrogen in the organic matter of Dictyonema shale. Part 2 (with summary in German). L.Nappa, A.Fomina. Izv.AN Est.SSR,Ser.fiz.-mat. i tekh.nauk 12 no.3 320-326 '63.

OIL WELL CEMENTING
Plugging cements for extra-deep wells. IA.M.Syrkin, R.N.Vishniakova. TSement 29 no.1:7-10 Jl-Ag '63.
Study of the effect of flowing salt solutions on the permeability of cement stone. A.IA.Lipovetskii, V.S.Danushevskii, I.A.Vedishchev. Izv.vys.ucheb.zav.; neft' i gaz 5 no.1:23-28 '62.

OIL WELL DRILLING
(see also subdivision under Leninogorsk region)
Aleksandrov, M.A. [Economic aspects of the use of turbodrills] Ekonomika ekspluatatsii turboburov. Moskva, Gostoptekhizdat, 1963 64 p.
Electric drilling of oil and gas wells. P.I.Denisov. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch. i tekh.inform 16 no.11:11-14 '63.
General improvement of methods and equipment is the basis for improving the economic indices of deep drilling. N.N.Pobedonostseva, V.I.Egorov. Izv.vys.ucheb.zav., neft' i gaz 5 no.1:105-110 '62.
Interaction of the teeth of the rims of roller bits with rocks. V.K.Bitsuia. Izv.vys.ucheb.zav.; neft' i gaz 5 no.1:29-34 '62.
Lowering and hoisting operations in extra-deep drilling. IU.IA.Bol'shakov. Izv.vys.ucheb.zav.; neft' i gaz 5 no.1:113-115 '62.
Study of drilling installations in petroleum institutions of higher learning. T.M.Sadykov. Izv.vys.ucheb.zav.; neft' i gaz 5 no.1:116 '62.

OIL WELL DRILLING—EQUIPMENT AND SUPPLIES
Drilling pipes and pump compressor pipes. M.I.Baranov and others. Standartizatsiia 27 no.8:44-46 Ag '63.
For what purposes are pipes made of fiber-glass anisotropic material suitable? I.E.Portnov. Izv.vys.ucheb.zav.; neft' i gaz 5 no.1:115 '62.

OIL WELL DRILLING, ELECTRIC
Inclinometer with noncontact transducers for checking the deflection of a well in electric drilling. R.E.Ataev and others. Izv.vys.ucheb.zav.; neft' i gaz 5 no.1: 73-78 '62.

OIL WELL DRILLING, SUBMARINE—EQUIPMENT AND SUPPLIES
Using lubricants to control corrosion offshore. A.F. Khanlarova and others. Izv.vys.ucheb.zav.; neft' i gaz 5 no.1:93-97 '62.

OIL WELL DRILLING FLUIDS
Batashov, N.N., E.M.Kurnev, and P.F.Osipov [Preparation, treatment, and cleaning of clay solutions, practices of petroleum workers in Kuybyshev Province] Prigotovlenie, obrabotka i ochistka glinistykh rastvorov, opyt neftianikov Kuibyshevskoi oblasti. Moskva, Gostoptekhizdat, 1963. 80 p. [Cover title Prigotovlenie glinistykh rastvorov]
Relationship between chemical reagents and the swelling of clay rocks. V.D.Gorodnov, I.B.Adel', K.G.Zhigach. Izv.vys.ucheb.zav., neft' i gaz 5 no.1:35-40 '62

OIL WELL LOGGING
(see also subdivision under Udmurt A.S.S.R.)
Automatic system for geophysical oil-well logging. IU.G. Kochinev, P IA Lizin. Biul.tekh.-ekon.inform.Gos. nauch.-issl.inst.nauch.i tekh.inform. 16 no.10 45-47 '63.

OIL WELL LOGGING—EQUIPMENT AND SUPPLIES
AKS-4 automatic logging laboratory. N N Sokhranov, N.N Gerasimov Razved.i prom.geofiz. no.42 95-146 '61.

OIL WELL LOGGING, ELECTRIC
Micro Laterolog modeling. L.G.Petrosian, R.G Baibamova Razved.i prom.geofiz. no.42 77-81 '61.

OIL WELL LOGGING, RADIATION—EQUIPMENT AND SUPPLIES
Gamma-50 portable device for radioactive logging. B.I Rogov, K.S.Kuntsov. Razved.i prom.geofiz no.42 82-94 '61.

OIL WELLS—EQUIPMENT AND SUPPLIES see subdivision under Borislav region

OILS AND FATS
Continuous determining of micelle concentration by the polarographic method. V.M.El'gort, I.V.Kariakina Izv.vys.ucheb.zav., pishch tekh. no.4:149-154 '63
Effect of temperature on the extraction of oil-containing materials. A.G Neshchadim Izv.vys.ucheb.zav., pishch.tekh no.4 53-57 '63.
Increasing the biological value of mixed feeds with fats and fatlike substances. N.A.Smekalov. Trudy VIZH 24:125-137 '62.

OILS AND FATS, EDIBLE
Improvement of the quality of shortenings. B.IA.Golant. Khleb.i kond.prom. 6 no.1:41-43 Ja '62.

OILSEED PLANTS—ANALYSIS AND CHEMISTRY
Shcherbakov, V.G. [Biochemistry and the commercial study of oil raw materials] Biokhimiia i tovarovedenie maslichnogo syr'ia. Moskva, Pishchepromizdat, 1963, 351 p.

OKA ECONOMIC REGION—RUBBER INDUSTRY—QUALITY CONTROL
Conference of the economic Council of the Oka Economic Region on the quality of industrial rubber goods. I.M. Kucherskii. Kauch.i rez. 22 no.10 57-58 O '63.

OKHOTSK, SEA OF—HERRING
Reproduction and development of the Okhotsk herring. L.A.Gaikina. Izv.TINRO 46:3-40 '60.

OKHOTSK, SEA OF—PLANKTON
Distribution of plankton in the northern part of the Sea of Okhotsk in the summer of 1955. L.V.Mikulich. Izv.TINRO 46:41-64 '60.

OKHOTSK, SEA OF—TRAWLS AND TRAWLING
Thus captains are born. IU.Solianik. IUn.nat. no.2:18-19 F '63.

OKTYABR'SKIY (BASHKIRIA)—MUNICIPAL SERVICES
Only one boss in the city. N.I.Zakharov. Zhil.-kom. khoz. 11 no.12:5 D '61.

OKTYABR'SKIY (BELGOROD PROVINCE)—OLD-AGE HOMES
Old collective farm workers live here. A.Markova. Sots.obesp. 24 no.8 32-33 Ag '63.

OLBIA—INSCRIPTIONS, GREEK
The earliest proxeny in Olbia. I.B.Brashinskii. Sov. arkheol. 7 no.3:191-196 '63.

OLD AGE
"The senile brain, a clinical study" [in English] by R.S. Allison. Reviewed by E.IA.Shternberg. Zhur.nevr.i psikh. 62 no.12:1882-1883 '62.

OLD-AGE HOMES
(see also subdivision under Barnaul; Magnitogorsk; Oktyabr'skiy, Belgorod Province; Romanovskaya, Rostov Province)
Slowly and badly. V.Leont'ev. Sots.obesp. 24 no.6: 44-45 Ag '63.

OLD BELIEVERS
(see also subdivision under Devyashikha Valley)
[Old believer church calendar for 1963] Staroobriadcheskii tserkovnyi kalendar' na 1963 god. [Moskva] Staroobriadcheskaia arkhiepiskopiia Moskovskaia i vseia Rusi, [n.d.] 66 p

OLD PERSIAN INSCRIPTIONS
The fifth column of the Behistun inscription of Darius I and an antidaēvan inscription of Xerxes. V.I. Abaev. Vest.drev.ist. no.3 113-118 '63.

OLEANONIC ACID
Morolic acid in Pyracantha coccinea Roem. A.A.Riabinin, V.N Belous. Zhur.ob.khim. 33 no.10 3447 O '63.

OLEFINS
Polyolefins take their place. B.Khrenkel'. Nauka i zhyttia 12 no.3:6 Mr '63.
Refined low-octane gasolines as raw material for the production of lower olefins. I.N Mukhina, V.B Pavlova. Neftekhimiia 1 no.3 382-385 My-Je '61
Stereochemistry of the addition of mercury salts to olefins studied by the use of the mercury salt of trinitromethane. N.S.Zefirov, L.P.Pribazhilova, IU.K IUr'ev. Dokl.AN SSSR 152 no.1:869-871 O '63

OLEIC ACID—TOXICOLOGY
Primary toxic substances in radiation injury of animals, toxic properties of oxidized oleic acid [with summary in English]. IU.B Kudriashov, V Malits Trudy MOIP Otd.biol. 7:84-92 '63

OLENEK VALLEY—PALYNOLOGY
Palynological characteristics of marine Jurassic and Lower Cretaceous sediments revealed by the bore holes in the Tyumyatt and Ulakhan-Yuryakh areas (Lena-Olenek region). V.D.Korotkevich. Shor.st.po paleont. i biostrat. no.32 24-36 '63.

OLIGOCHAETA
(see also subdivision under Baikal, Lake)
Transport of India ink particles into regeneration blastema in oligochaetes as related to the problem of neoblast migration. V.B.Kasinov. Nauch.dokl.vys.shkoly, biol nauki no.1,11-12 '63.

OLIVE OIL—THERAPEUTIC USE
Treatment of patients with peptic ulcers with antiulcer diets containing olive oil [with summary in English]. A.P Nesterova. Vop.pit. 22 no.1:8-13 Ja-F '63.

OL'MINSKII, M., pseud. see Aleksandrov, Mikhail Stepanovich, 1863-1933

OMSK—BRIDGES—FOUNDATIONS AND PIERS
Use of drilled piles with an enlarged base A.V Moiseev. Transp.stroi. 12 no.3 18-19 Mr '62

OMSK—RUBBER PLANTS—DESIGN AND CONSTRUCTION
Authority of the headquarters. M.Dunenkov. Mol.komm. no.10:14-17 O '63.

OMSK—TIRES, RUBBER
The tire makers of Omsk at the round table of the editorial board of the "Tekhnika Molodezhi" journal. Tekh.mol. 30 no.8:33 '62.

OMSK PROVINCE—AGRICULTURE—STUDY AND TEACHING
Experience of progressive workers as a basis of training. N.Pankratova. Prof.-tekh.obr. 20 no.9:23-24 S '63.

OMSK PROVINCE—ALFALFA—IRRIGATION
Total water consumption and the expenditure of soil moisture in the irrigation of alfalfa fields. I.F.Khruppa. Trudy OmSKhI 41:45-52 '60.

OMSK PROVINCE—DAIRYING
Meditations over beacons. Leonid Ivanov. Zvezda no.7:3-30 Jl '63.

OMSK PROVINCE—DRAINAGE
Measures for improving water collectors in connection with land reclamation in the northern areas of Omsk Province. A.D.Davydov, V.D.Samorukov. Trudy OmSKhI 41 29-35 '60.
Spacing of open regulating canals. A.D.Davydov. Trudy OmSKhI 41 37-43 '60.

OMSK PROVINCE—RIVERS—REGULATION
Measures for improving water collectors in connection with land reclamation in the northern areas of Omsk Province. A.D.Davydov, V.D.Samorukov. Trudy OmSKhI 41:20-35 '60.

OMSK PROVINCE—STATE FARMS
Meditations over beacons. Leonid Ivanov. Zvezda no.7:3-30 Jl '62.

OMSK PROVINCE—STATISTICS
The Omsk statisticians are the initiators. N.Kostin. Vest.stat. no.9:30-33 '63.

OMSK REGION—CABBAGE—IRRIGATION
Irrigation cycles and water consumption of cabbage in the suburban zone of Omsk. V.P.Bogualavskii. Trudy OmSKhI 41:13-20 '60.

ONIONS
Content of vitamin C in onions of the Romanovskii and Misterskii varieties. S.N.Maiorov. Vop.pit. 22 no.1: 89-90 Ja-F '63.

[illegible] dependence on the formation of biologically active substances in plants. A. L. Dragoli. Uch. zap. UEIGB 5 122-[illegible] '62.

OOGENESIS

[illegible] the content of glutathione content in the organism of [illegible] in different stages of oogenesis. V. P. Dyakonova. Nauch. dokl. vys. shkoly, biol. nauki no. 4 [illegible] '63.

Autoradiographic study of the incorporation of H^3 in the process of oogenesis (with summary in English). G. I. [illegible]. Tsitologiya. 7 no. 4 471-[illegible] Jl-Ag '65.

OPATIJA, YUGOSLAVIA—MOTORCYCLE RACING

[illegible] on the Trials to the Adriatic. A. Pabadzhanian. Vresh. [illegible] 14 no. 10 40-43 '63.

OPEN-AIR SCHOOLS

[illegible] of open-air classes and recreation. M. S. Pistak. Ped. sb. MGPI nauch. issl. inst. san. [illegible] no. 2 24-29 '63.

OPEN-HEARTH FURNACES

Investigating the temperature conditions of the bath during its continuous control in the finishing period. V. S. Kocho and others. Izv. vys. ucheb. zav., chern. met. 6 no. 5 169-174 '63.

OPEN-HEARTH FURNACES—COST OF OPERATION

Economic efficiency of the automatic control of open-hearth furnace plants. K. A. Shtets, I. M. Samoi, V. N. Cherak. Izv. vys. ucheb. zav., chern. met. 6 no. 8 185-191 '63.

OPEN-HEARTH FURNACES—DESIGN AND CONSTRUCTION

Reclaiming open-hearth furnaces with a roll-on upper structure and tongue-and-groove brickwork. Met. i gornorud. prom. no. 4 72-75 Jl-Ag '63.

OPEN-HEARTH FURNACES—EQUIPMENT AND SUPPLIES

Heating open-hearth furnaces with hot natural gas. V. S. Kocho and others. Met. i gornorud. prom. no. 5 65-66 S-O '63.

Modernizing steel-pouring ladles. E. I. Beigul, V. A. Rokitin. Stal' 23 no. 10 904-905 O '63.

OPEN-HEARTH FURNACES—MAINTENANCE AND REPAIR

Rapid fritting of an arc furnace bottom. E. I. Astaf'ev, I. M. Bastel'. Met. i gornorud. prom. no. 4 74 Jl-Ag '63.

OPEN-HEARTH FURNACES—THERMODYNAMICS

Calculating the thermodynamic period in open-hearth smelting. I. V. Belov. Stal' 23 no. 10 945-949 O '63.

OPEN-HEARTH PROCESS

(see also subdivision under United States, Zaporozh'ye)

Automatic control of charging and preheating periods in open-hearth smelting. G. D. Surguchev and others. Izv. vys. ucheb. zav., chern. met. 6 no. 9 39-44 '63.

Effect of temperature on the speed of the decarburization process in open-hearth furnaces. A. V. Geineman, M. IA. Medzhibozhskii. Izv. vys. ucheb. zav., chern. met. 6 no. 8 57-59 '63.

Possibility of calculating the oxygen content in open-hearth metal during the finishing period. A. A. Vedermikov, N. N. Peresvetov, O. V. Travin. Izv. vys. ucheb. zav., chern. met. 6 no. 2 55-61 '63.

Possible correlation between thermal conditions and rates of the processes in open-hearth smelting. L. V. Tovetkov. Izv. vys. ucheb. zav., chern. met. 6 no. 9 45-49 '63.

Ways of intensifying the open-hearth method of steel production. M. IA. Medzhibozhskii. Stal' 23 no. 10 892-893 O '63.

OPERA see subdivision under Tiflis

OPERATIONAL CALCULUS see Calculus, Operational

OPERATORS (MATHEMATICS)

Characteristic functions of unlimited operators. E. R. TSekanovskii. Nauch. trudy KHGI 11 95-100 '62.

Expansion in eigenfunctions of ordinary differential operators with irregularly disintegrating boundary conditions. V. P. Khromov. Dokl. AN SSSR 152 no. 6 1324-1326 O '63.

Multioperator cyclic processes. V. S. Aizenshtat. Dokl. AN BSSR 7 no. 4 224-227 Ap '63.

Multiplicity of the spectrum of a second-order differential operator, and expansion in eigenfunctions. I. S. Kats. Izv. AN SSSR, Ser. mat. 27 no. 5 1081-1112 S-O '63.

A problem in the spectral theory of differential operators. I. G. Moslova. Dokl. AN SSSR 152 no. 4 820 O '63.

Solution of a Schrödinger type equation. A. G. Temkin. Dokl. AN BSSR 7 no. 4 240-243 Ap '63.

Spectral properties of Schrödinger's operator in regions with infinite boundaries. A. G. Ramm. Dokl. AN SSSR 152 no. 2 282-285 S '63.

Spectral resolution for a certain class of non-self-adjoint operators. V. IA. Volk. Dokl. AN SSSR 152 no. 2 259-261 S '63.

Spectrum of non-self-adjoint differential operators with periodic coefficients. F. S. Rofe-Beketov. Dokl. AN SSSR 152 no. 6 1312-1315 O '63.

Study of the scattering problem in certain infinite domains. Part 2 (with summary in English). A. G. Ramm. Vest. LGU 18 no. 19 69-76 '63.

OPHTHALMOLOGY see subdivision under Odessa

OPHTHALMOLOGY—BIBLIOGRAPHY see Bibliography—Ophthalmology

OPHTHALMOSCOPE

New ophthalmoscope. N. V. Busygin. Kaz. med. zhur. no. 1 103-105 Ja-F '61.

OPIUM

Distinctive reactions of a series of alkaloids of the opium group. R. I. Petrova. Sbor. nauch. trud. TSANII 3 125-138 '62.

OPTIC NERVE—SURGERY

Clinical aspects and surgical treatment of tumors of the optic nerve. P. M. Kuryshkin. Uch. zap. UEIGB 5 113-129 '62.

OPTIC NERVE—TUMORS

Clinical aspects and surgical treatment of tumors of the optic nerve. P. M. Kuryshkin. Uch. zap. UEIGB 5 113-129 '62.

OPTIC THALAMUS

Functional evolution of the nonspecific thalamo-cortical system (with summary in English). A. I. Karamian, M. G. Belekhova. Zhur. vys. nerv. deiat. 13 no. 5 901-916 S-O '63.

OPTICAL INSTRUMENTS

Inclination and turning of an image in optical instruments. G. V. Pogarev. Izv. vys. ucheb. zav., prib. 6 no. 5 103-111 '63.

Optical polarization for the study of deformations in three-dimensional plastically-deformed plexiglas models. N. M. Zolotukhin, I. Z. Entin. Kuz.-shtam. proizv. 5 no. 10 10-13 O '63.

OPTICAL PATTERN RECOGNITION

Sochivko, V. P. [Pattern recognizing devices, survey of Soviet and foreign literature] Opoznavatel'nye ustroistva, obzor otechestvennoi i zarubezhnoi literatury. [Leningrad] Sudpromgiz, 1963. 78 p.

OPTICS—BIBLIOGRAPHY see Bibliography—Optics

OPTICS, GEOMETRICAL

High-frequency asymptotic behavior of a nonsteady-state diffraction problem (region of light). V. V. Kravtsov. Zhur. vych. mat. i mat. fiz. 3 no. 5 955-957 S-O '63.

OR' VALLEY—STEPPE FLORA

Some problems in classifying the vegetation of dry steppes in the trans-Ural portion of the Or' Valley [with summary in English]. I. S. Il'ina. Vest. LGU 18 no. 18 102-115 '63.

ORCHIDS see subdivision under Venezuela

ORDNANCE

Foreign military news. Voen. vest. 43 no. 7 120-121 Jl '63.

ORDUBAD DISTRICT—DIKES (GEOLOGY)

Petrochemical characteristics of dike formations of the adamellite intrusive of the Megri-Ordubad batholith. R. Sh. Azizbekov. Izv. AN Azerb. SSR, Ser. geol.-geog. nauk i nefti no. 3 33-40 '63.

ORDZHONIKIDZE, GRIGORII KONSTANTINOVICH, 1886-1937

Encounters with Comrade Sergo. I. Lebedinets. Agitator no. 18 16-18 S '63.

ORE DEPOSITS

(see also subdivision under Algachi region; Argun Valley, Transbaikalia; Klichka region, Kurama Range; Kursk Magnetic Anomaly; Tien Shan; Transbaikalia; Uzbekistan)

Geologic and metallogenic development of crustal mobile belts. G. S. Labazin. Trudy VSEGEI 85 35-51 '63.

Geological characteristics of deposits associated with ancient volcanic structures. V. N. Kotliar, N. N. Solov'ev, N. D. Tikhonov. Geol. rud. mestorozh. 5 no. 5 16-34 S-O '63.

Interdepartmental conference on "Ore potential of volcanic formations." V. N. Kotliar, S. F. Lugov. Geol. rud. mestorozh. 5 no. 5 100-102 S-O '63.

Logs of open pits as a method for studying the geology of deposits. S. A. Denisov, V. IU. Dedy. Uzb. geol. zhur. 7 no. 3 83-84 '63.

Russia (1923- U.S.S.R.) Gosudarstvennyi geologicheskii komitet [Problems of magmatism, metamorphism, and ore formation] Voprosy magmatizma, metamorfizma i rudoobrazovaniia. Moskva, Gosgeoltekhizdat, 1963. 214 p.

ORE DRESSING

(see also subdivision under Kerch Peninsula; United States)

Conditions for the sorting of ores. I. V. Gur'inov, I. V. Vys. nchebn. zav., tsvetn. met. 6 no. 8 [illegible] '63.

Conference on pelletizing ores and fluxes in Britain. A. G. Avtukhov, N. V. Lebedev. Izv. vys. uchebn. zav., gornorud. prom. no. 5 82-84 '63.

Determining and calculating technological indexes of chrysotile-asbestos ore dressing. M. B. [illegible]skii, I. P. Sidenko. Nauch. trudy VNIIasbest no. 10 '62.

Dressing iron ores of the Northern Minerals Dressing Combine. N. P. Likhov. Met. i gornorud. prom. no. 1 65-68 Ja-Ag '63.

Experience of a year's use of MA-1 metal detectors in ore dressing plants. S. G. Malinovskii, I. A. V. Nauch. trudy VNIIbezpromyvki no. 3 110-[illegible] '63.

Improving the quality of iron and titanium ore by deliberate [illegible]. L. P. Shubarenko. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 5-7 '63.

Investigating the process of roasting flux in shaft furnaces. D. G. Khokhlov and others. Izv. vys. ucheb. zav., chern. met. 6 no. 10 179-181 O '63.

Moscow. Institut gornogo dela imeni A. A. Skochinskogo. [Ore dressing and coal preparation] Obogashchenie rud i uglei. Moskva, Izd-vo Akad. nauk SSSR, [illegible].

Study of the properties of suspensions of ferrosilicon for gravity mineral dressing. M. I. [illegible]. Trudy KHGI 13 61-69 '63.

Testing small, high-capacity cyclone [illegible]. Ivanov. Prom. vent. no. 9 63-68 '63.

ORE DRESSING—BIBLIOGRAPHY see Bibliography—Ore dressing

ORE DRESSING—ELECTRONIC EQUIPMENT

Use of an electronic logical recording [illegible] control system for an ore dressing plant. [illegible]skaia. Gor. zhur. no. 10 12-17 O '63.

ORE DRESSING—EQUIPMENT AND SUPPLIES

Automatic cleaning of spouts in the crushing [illegible] plant of the "Severonikel'" mine. V. M. Vesnin. Met. i gornorud. prom. no. 1 77 Ja-Ag '63.

"Concentration tables" by I. N. Bracy. Gor. zhur. no. 10 78-79 O '63.

Means of automatically controlling the density of [illegible]. V. A. Lavidov, M. G. Zavitov. Gor. zhur. no. [illegible] '63.

ORE DRESSING—PRODUCTION STANDARDS

An efficient output of ore-dressing plants for the treatment of asbestos ores. M. A. Belov. Nauch. trudy VNIIasbest no. 4 41-47 '62.

ORE HANDLING

Remote control of bunker filling and automatic [illegible] of ore sticking. V. V. Kolodochkin. Izv. Vost.-Sev.-Kazakhst. tekh. inst. 6 no. 1 77-81 '63.

OREL—PENSIONS

My working day. T. Minkhenko. Sots. obes. no. 15 Ag '63.

OREL—RETAIL TRADE—AUDITING AND INSPECTION

Our practice. P. Ugorov. Sov. torg. 36 no. [illegible] '63.

OREL PROVINCE—COMMUNITY CENTERS, HOUSES

Remove departmental barriers! V. Matveev. Sel'skoe khoziaistvo 19 no. 10 19-20 O '63.

ORENBURG PROVINCE—AGRICULTURAL ADMINISTRATION

You must fight for communism. V. Shurygin. Sel'skoe samoobl. 7 no. 7 25-29 Jl '63.

ORENBURG PROVINCE—FIRE DEPARTMENTS

Orenburg firemen protect the crops. I. Kanlov. Pozharnoe delo 7 no. 7 3-5 Jl '61.

ORENBURG PROVINCE—STOCK AND STOCKBREEDING

Potentials for an upsurge in stockbreeding in Orenburg Province. V. Shurygin. Ekon. sel'khoz. 34 no. 8 26 S '63.

ORENBURG PROVINCE—TILLAGE

Economic efficiency of supplementary tillage of fallow plowed fields. Sh. Khairullin, N. Artemov. Ekon. sel'khoz. 34 no. 8 104-109 S '63.

ORES

Quality of nonferrous metal ores and the problem of [illegible] of production (discussion of the article by B. I. [illegible]zhilov, N. S. Sinkarovskii, A. G. Shpital'skii, [illegible] Muzal'kov. Gor. zhur. no. 10 17-22 O '63.

ORES—DENSITY

Artsybashov, V. A. [Concise manual for determining the density of rocks and ores by the method of gamma-ray attenuation] Kratkoe rukovodstvo po opredeleniiu plotnosti porod i rud metodom oslableniia gamma-luchei. Moskva, Gosgeoltekhizdat, 1963. 57 p.

OILS—TRANSPORTATION see subdivision under Krivoy Rog Basin

ORGANIC COMPOUNDS—ANALYSIS

Melting points, heats of melting and cryoscopic constants of some hydrocarbons and other organic compounds. N. I. Dashkevich. Neftekhimiia 1 no. 3 329-341 My-Je '61.

ORGANIC COMPOUNDS—OPTICAL PROPERTIES

Radioluminescence of organic substances. Part 2. Duration of radiation in nonluminescent solvents. S. F. Kilin, I. M. Rozman. Opt. i spektr. 15 no. 4 494-499 O '63

ORGANIC MATTER

Some facts pertaining to the effect of the deposition medium on the properties of the organic components of coal. I. S. Sofiev, I. A. Gorlenko, I. N. Semashova. Dokl. AN SSSR 152 no. 2 438-440 S '63.

ORGANIZATION OF AMERICAN STATES

Decline of the era of Pan-Americanism. V. Tarasov. Mezhdunar. zhizn' 10 no. 12 143-135 D '61.

ORGANOTHERAPY
(see also subdivision under Odessa)

Effect of tissue preparations on the cholinesterase activity of the blood in rabbits in herpetic keratitis. L. S. Zholnerovich. Uch. zap. UEIGB 5:246-249 '62.

Effect of tissue therapy on the course of experimental (alloxan) diabetes. S. R. Muchnik, N. S. Shul'gina. Uch. zap. UEIGB 5 236-245 '62.

Effect of tissue therapy on the general state of patients and especially on some physiological reactions of the cardiovascular and nervous systems. E. A. Vyrlan. Uch. zap. UEIGB 5.236-235 '62.

State of some oxidizing enzymes of the brain in tissue therapy. L. S. Zholnerovich. Uch. zap. UEIGB 5 250-262 '62.

Treatment of tuberculous eye diseases with streptomycin and phthivazide in combination with tissue therapy. T. P. Filippova. Uch. zap. UEIGB 5.185-189 '62.

ORGANOTHERAPY—BIBLIOGRAPHY see Bibliography—Organotherapy

ORIENTAL LITERATURE—HISTORY AND CRITICISM

The East in volume 1 of the "Brief encyclopedia of literature." M. I. Zand, L. V. Semenov. Nar. Az. i Afr. no. 5 175-181 '63.

Historical foundation for the division of the history of literature into successive periods [with summary in English, pp. 259-260]. V. I. Semanov. Nar. Az. i Afr. no. 5 118-134 '63.

ORIENTAL STUDIES
(see also subdivision under France)

Brief news. Nar. Az. i Afr. no. 5:239-242 '63.

Ideological struggle and the objectives of the Soviet students of the Orient. Nar. Az. i Afr. no. 5:3-9 '63.

Papers on the problems of the Orient delivered at a session of the Hermitage. A. A. Ivanov. Nar. Az. i Afr. no. 5 236-237 '63.

ORNITHOLOGY see subdivision under Siberia

ORNITHOSIS

Indirect complement fixation reaction in the diagnosis of ornithosis in animals. V. I. Chervonskii. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:35-37 '61.

ORSK—DIESEL LOCOMOTIVES—MAINTENANCE AND REPAIR

Need for an improvement of locomotive maintenance in the Orsk Depot. A. F. Tumaikin. Elek. i tepl. tiaga 7 no. 10.36 O '63.

ORSK REGION—METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION

Experiment in constructing a blast-furnace and sintering factory in the Orsk-Khalilovo Metallurgical Combine. B. F. Medinskii, E. D. Mil'ner. Prom. stroi. 41 no. 10 28-33 O '63.

ORTHODOX EASTERN CHURCH
(see also subdivision under Argentina; Czechoslovakia, Finland; Jerusalem)

Biriuk, A. IA. [Thoughts on Catholicism and the Orthodox Church] Razmyshlenila o katolitsizme i pravoslavii. Sao Paulo, 1962. 99 p. (MIl)

Celebration of the holiday of Slav Apostles at the Troitse-Sergieva Monastery and in Moscow theological schools. K. Komarov. Zhur. Mosk. Patr. no. 8 12-13 Ag '63.

News from the dioceses. Zhur. Mosk. Patr. no. 8:20 Ag '63.

The Orthodox Church and the social ideals of communism. N. Gordienko. Nauka i rel. 4 no. 8:23-27 Ag '63.

ORTHODOX EASTERN CHURCH—CLERGY

Hermit and Superior Stefan (Lazarev); obituary. Hieromonk Alekseii. Zhur. Mosk. Patr. no. 8.20-22 Ag '63.

ORTHODOX EASTERN CHURCH—FASTS AND FEASTS

The Orthodox Church calendar through the eyes of an atheist. Nauka i rel. 4 no. 8:86-87 Ag '63.

ORTHODOX EASTERN CHURCH—PERIODICALS see subdivision under Antioch, Bulgaria, Rumania

ORTHODOX EASTERN CHURCH—RELATIONS

Easter greetings from the Coptic Patriarch. Zhur. Mosk. Patr. no. 8 10 Ag '63.

ORTHODOX EASTERN CHURCH—RELATIONS—CATHOLIC CHURCH

Election of Pope Paul VI. Zhur. Mosk. Patr. no. 8 9-10 Ag '63.

ORTHOGONAL FUNCTIONS see Functions, Orthogonal

ORTHOPEDIC APPARATUS INDUSTRY
(see also subdivision under Kiev)

Let's put the new and progressive features into practice. N. Chernina. Sots. obesp. 21 no. 8 43 Ag '63.

ORVIKU, KARL, 1903-

Academician Karl Orviku; on his 60th birthday [in Estonian with parallel text in Russian] Izv. AN Est. SSR Ser. fiz.-mat. i tekh. nauk 12 no. 3 349-351 '63.

ORZESZKOWA, ELIZA, 1842-1910

From the history of the publishing activities of E. Orzeszkowa. A. I. Maldis. Lit. slav. nat. 8 249-250 '63.

OSCILLATIONS

Amplification of collective oscillations in quantum liquids [with summary in English]. I. A. Akhiezer. Ukr. fiz. zhur. 8 no. 8 821-829 Ag '63.

Collective oscillations in a mixture of Fermi and Bose liquids [with summary in English] I. A. Akhiezer. Ukr. fiz. zhur. 8 no. 8 813-820 Ag '63

Qualitative study of a system of differential equations in the theory of oscillations. N. N. Sorokin. Prikl. mat. i mekh. 27 no. 1:160-166 Ja-F '63.

OSCILLATORS, ELECTRON-TUBE

Simple signal generators for studying the Morse code. L. Selin. Radio no. 10 19-20 O '63.

OSCILLATORS, TRANSISTOR

Audio generator. A. Zaitsev. Voen. vest. 41 no. 11:102 N '61.

Some studies of a shock excited transistor oscillator. M. A. Sekin. Sbor. trud. LIIZHT no. 179 188-196 '61.

Transistor audio generator. M. Balashov. V pom. radiolub. no. 14 8-10 '63.

OSCILLOGRAPH

Four-beam pulsed oscillograph. L. A. Danilin, V. K. Danilov, N. I. Ivankin. Priborostroenie no. 10 24-25 O '63

Miniature electron-beam oscillograph. E. P. Sogolovskii. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10 49-50 '63.

Seismic type OSB-VI oscillograph. E. S. Borisevich, S. A. Kabotoskii, M. S. Mosiagina. Trudy Inst. fiz. Zem. no. 26,93-97 '63.

Universal mirror oscillograph for recording arterial pressure, the pulse, the plethysmogram and ballistocardiogram. G. O. Magakian. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:22-23 '61.

OSCILLOGRAPHY

Channel by channel oscillographic rerecording at the SSM-57 seismic station. N. D. Titov, V. D. Brykov. Geofiz. razved. no. 12 19-21 '63.

Practical evaluation of the method of arterial oscillography in balneotherapy for peripheral vascular diseases. R. F. Akulova. Vop. kur. fizioter. i lech. fiz. kul't 27 no. 4:344-350 Jl-Ag '62.

OSMOSIS

Determining the transfer potential of osmotically bound moisture [with summary in English]. L. M. Nikitina. Inzh.-fiz. zhur. 6 no. 11:52-55 N '63.

OSSETIA, NORTH—HOSPITALS—ADMINISTRATION

Training head physicians of district hospitals to analyze the activities of therapeutic and prophylactic institutions. N. V. Murav'ev. Zdrav. Ros. Feder. 7 no. 10 20-22 O '63.

OSSETIA, NORTH—PUBLIC HEALTH, RURAL

Training head physicians of district hospitals to analyze the activities of therapeutic and prophylactic institutions. N. V. Murav'ev. Zdrav. Ros. Feder. 7 no. 10 20-22 O '63.

OSTEOMALACIA

Protein formula and prothrombin in the blood plasma in hepatitis and osteomalacia. D. G. Vardosanidze. Veterinariia 37 no. 2:62-63 F '60.

OSTEOPOROSIS

Pathogenesis of mottled osteoporosis. A. L. Latypov. Kaz. med. zhur. no. 2:50-52 Mr-Ap '63

OSTRACODA, FOSSIL see subdivision under Podolia

OSTRICHES see subdivision under Askaniya-Nova Preserve

OSTROVSKII, ALEKSANDR NIKOLAEVICH, 1823-1886

Akademiia nauk SSSR. Biblioteka. [A. N. Ostrovskii's library (A description)] Biblioteka A. N. Ostrovskogo (Opisanie) Leningrad, 1963. 272 p.

OTOLITHS

Significance of otoliths in the taxonomic analysis of fishes. D. K. Khalturin. Dokl. AN SSSR 152 no. 2:492-493 S '63.

OTORHINOLARYNGOLOGY

Use of anticoagulants in septic thrombosis of the venous system in otorhinolaryngology. I. G. Trantafilidi. Trudy mol. nauch. sots. MONIKI no. 1:266-275 '59

Use of the vagosympathetic blockade in otorhinolaryngological diseases and in otogenous sepsis. I. G. Trantafilidi. Trudy mol. nauch. sots. MONIKI no. 1 276-285 '59.

OUABAIN

Comparative sensitivity of the isolated heart of grass and lake frogs to g-strophanthin and convallatoxin. T. IA. Cherikovskaia. Sbor. nauch. trud. TSANII 3 158-160 '62.

OUT-OF-PRINT BOOKS—BIBLIOGRAPHY see Bibliography—Out-of-print books

OUTER SPACE—EXPLORATION

Akademiia nauk SSSR. [Exploration of outer space by Soviet scientists] Issledovaniia kosmosa sovetskimi uchenymi. Moskva, 1961. 13 p. (Vystavka dostizhenii narodnogo khoziaistva SSSR)

Session of the Committee for the Exploration of Outer Space, held in Warsaw. A. A. Blagonravov. Vest. AN SSSR 33 no. 10 70-72 O '63.

OVARIES

Effect of gonadotropic hormones of the pituitary body on the ovaries in swine. V. A. TSvetkova. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:185-194 '61.

Relation between the physical properties of vaginal and cervical secretion and the state of ovaries in cows. L. N. Grokhov, V. G. Samakov. Trudy VIZH 24 336-341 '62.

OVARIES—CANCER

Diagnosis of malignant tumors of the ovaries. V. P. Aizenberg, V. M. Shvarts. Zdravookhranenie 6 no. 3 11-17 My-Je '63

OVERVOLTAGE

Effect of small amounts of metal impurities on the value of hydrogen overvoltage on zinc in concentrated alkaline solutions. T. I. Popova, V. S. Bagotskii, B. N. Kabanov. Zhur. prikl. khim. 36 no. 8 1743-1748 Ag '63.

Overvoltage during electrolytic separation and solution of metals as a function of their physical properties. N. V. Vlasiuk. Ukr. khim. zhur. 29 no. 8 828-839 '63

OVULATION

Radiation injury of the mechanism of ovulation in frogs. L. A. Kashchenko. Radiobiologiia 2 no. 6 868-872 '62.

OVUM

Distribution of radioactive sulfur in oocytes and zygotes. I. I. Sokolovskaia, A. L. Paducheva. Trudy VIZH 24 351-365 '62.

OXABICYCLOHEPTANEDICARBOXYLIC ACID

Deamination of methyl ester of exo-cis-2-amino-3,6-endoxohexahydrophthalic acid. N. S. Zefirov and others. Zhur. ob. khim. 33 no. 10.3440-3441 O '63.

OXALIC ACID

Problem of the condensation of o-hydroxyacetophenone with diethyl oxalate. V. A. Zagorevskii, D. A. Zykov. Zhur. ob. khim. 33 no. 8 2469-2471 Ag '63.

OXAZOLINONE

Synthesis of aliphatic amino acids from thiophene derivatives. Part 7. Preparation of some higher α-amino acids from 2-phenyl-4-thenyliden-5-oxazolones. B. P. Fabrichnyi and others. Zhur. ob. khim. 33 no. 8. 2697-2702 Ag '63.

OXIDATION

Catalytic oxidation with an ozone-oxygen mixture. Part 1. Oxidation of 2,2'-dibenzanthronyl. V. A. Iakobi and others. Zhur. ob. khim. 33 no. 10.3369-3373 O '63.

Chemical composition of lacquer deposits. K. K. Papok, B. S. Zuseva. Khim. i tekh. topl. i masel 8 no. 9.64-68 S '63.

Coal oxidation in seams during weathering. A. I. Khrisanfova, G. N. Soboleva. Trudy IGI 21:69-87 '63

OXIDATION (Continued)

Effect of solvents on the mechanism underlying liquid-phase oxidation of n-butane E A Blumberg, A.D. Malievskii, N.M. Emanuel' Neftekhimiia 3 no.1 511-547 Ja-Ag '63

Investigation of the kinetics and mechanism of liquid-phase oxidation of cyclododecane by molecular oxygen. Report No.2: Kinetics of the accumulation of intermediate products. I.V. Berezin and others. Neftekhimiia 1 no.1:541-547 Ja-Ag '61.

Kinetic equilibrium concentrations of intermediate products in the oxidation reaction of cyclohexanol. E.T. Denisov, V.V. Kharitonov Neftekhimiia 3 no.4:558-564 Jl-Ag '63.

Kinetic regularities of the accumulation of hydroperoxides in oxidation of p-diisopropylbenzene. R.V Kucher. Neftekhimiia 3 no.4 572-578 Jl-Ag '63.

Kinetics and mechanism of the liquid-phase oxidation of cyclododecane by molecular oxygen. Part 4 Mechanism of the oxidation of cyclododecane studied by the method of inhibition V.G. Bykovchenko, I.V Berezin Neftekhimiia 3 no.4 565-571 Jl-Ag '63

Kinetics of consumption of an inhibitor introduced at the start of oxidation reaction. E.T. Denisov. Kin.i kat. 4 no.4 508-516 Jl-Ag '63.

Kinetics of p-xylene catalyzed oxidation in the liquid phase K.A. Chervinskii, L.P Zherebtsova, L.S. Korotun Ukr.khim.zhur. 29 no.8 842-847 '63.

Liquid-phase catalytic oxidation of di-tert-butyltoluene for the purpose of obtaining di-tert-butylbenzoic acid. A.V Bondarenko and others. Neftekhimiia 3 no.4 548-557 Jl-Ag '63.

Low temperature oxidation of coals and rocks. V.D. Karpukhin, I.L. Zhislina. Nauch.trudy KHGI 11:27-36 '62.

Mechanism of titanium oxidation in the 600 - 1000° temperature range D.I. Lainer, A.S Bai Izv. AN SSSR. Met.i gor.delo no.5 145-151 S-O '61

Oxidation by oxygen in an alkaline medium of weathered coal in various stages of metamorphism. T.E. Vvedenskaia. Trudy IGI 21 3-15 '63.

Oxidation of alcohols with palladium salts in aqueous solutions. A.V Nikiforova, I.I. Moiseev, I.A.K. Syrkin. Zhur.ob.khim. 33 no.10 3239-3242 O '63.

Oxidation of diphenylzinc and diphenylmagnesium. G.A. Razuvaev and others. Zhur.ob.khim. 33 no.10 3358-3360 O '63.

Oxidation of n-butanol in the liquid phase initiated by Co^{60} γ-radiation. P.N Komarov, E.V. Barelko, M.A. Proskurnin. Neftekhimiia 3 no.4 609-614 Jl-Ag '63.

Oxidation reaction and some problems of the structure of coal. R.N. Smirnov Trudy IGI 21,16-68 '63.

Production of phthalic anhydride by oxidation of the extract of a low-viscosity oil distillate. B.I. Golovanenko, A.Kh. Sharipov, N.V. Ivanova. Khim.i tekh.topl.i masel 8 no.10 9-13 O '63

Some problems involved in the mechanism of oxidation in hypochlorite solutions. J.E. Fils. Zhur.prikl. khim. 36 no.8 1669-1675 Ag '63.

Sterically hindered phenolphthaleins and the possibility of using them for the study of inhibited oxidation processes. O.N. Karpukhin and others. Neftekhimiia 3 no.4:579-583 Jl-Ag '63.

Use of the oxidation method for determining the structure of aromatic hydrocarbons from petroleum fractions. E.A. Robinzon and others Neftekhimiia 3 no.4:598-603 Jl-Ag '63.

OXIDATION, PHYSIOLOGICAL

Kinetics of the primary oxidation reactions of radiation injury [with summary in English]. B.N. Tarusov. Trudy MOIP, Otd biol. 7,68-72 '63.

Oxidizing processes in delirium tremens [with summary in English]. T.S. P Korolenko. Trudy Gos. nauch.-issl. inst. psikh 36:235-240 '63.

Primary toxic substances in radiation injury of animals, toxic properties of oxidized oleic acid [with summary in English]. Iu.B Kudriashov, V. Mal'ts. Trudy MOIP. Otd. biol. 7 84-92 '63.

OXIDATION-REDUCTION REACTION

Comparative investigation of the rate of iron oxidation and of its reduction from oxides by the electroconductivity method. E.S. Vorontsov, A.V. Ermakov. Izv. AN SSSR. Met.i gor. delo no.5:23-29 S-O '63.

Determining the deoxidizing properties of elements by the electromotive force method. V.P. Luzgin, A.F. Vishkarev, V.I. IAvoiskii. Izv.vys.ucheb.zav.; chern.met. 6 no.9:50-54 '63.

Investigating kinetics of the reduction of ore-fuel granules. V.S. Al'tshuler, P.I. Kanavets, A.A. Gavrilova. Trudy IGI 22:50-56 '63.

Investigating the reduction of iron in carbonaceous ore granules. B.A. Gess and others. Trudy IGI 22:126-130 '63.

Investigating the reduction process of native-alloy cast iron. I.A. Kopyrin, P.P. V'iunov, B.G. Plastinin. Stal' 23 no.10,884-887 O '63.

Kinetics of iron oxide reduction by mixtures of carbon oxide and hydrogen. T.P. Kuznina, S.I. Filippov Izv.vys.ucheb.zav.; chern.met. 6 no.9:5-10 '63

Silicon reduction in the systems SiO_2 - Fe_2O_3 and SiO_2 - CaO. V.I Levchenko, S.T. Rostovtsev. Izv.vys.ucheb.zav., chern.met. 6 no.8 5-12 '63.

OXYGEN

Effect of oxygen content of the environment on the fatigue life of rubbers M.K. Khromov, K.N. Lazareva, M.M. Reznikovskii. Kauch.i rez. 22 no.9 9-12 S '63.

Maximum explosion-proof concentration of oxygen in mixtures with fuel gases. A.I. Rozlovskii, B.B Brandt. Khim.prom. no.7 518-519 Jl '63.

OXYGEN—ANALYSIS

Radioactivation method for determining oxygen in some polymers [with summary in English]. L.V Chepel', B.A Chapyzhnikov, B.I Vating Zhur.anal.khim 18 no.7 865-872 Jl '63

OXYGEN—INDUSTRIAL APPLICATIONS

Metal and slag composition during the blowing of converters by oxygen. V.I. Lapitskii, IU.S. Reshetniak. Izv.vys.ucheb.zav.; chern.met. 6 no.8 51-56 '63.

OXYGEN—PHYSIOLOGICAL EFFECT

Ammonia, glutamic acid and glutamine in the brain in ontogeny under the influence on the organism of oxygen under pressure [with summary in English] V.A. Khelevimova Ukr.biokhim.zhur 34 no.2 230-236 '62.

Relative role of the "direct" and "indirect" oxygen effect in the primary mechanism of the biological action of ionizing radiations [with summary in English]. S.N. Ardashnikov. Trudy MOIP, Otd. biol. 7,15-29 '63.

OXYGEN—THERMODYNAMIC PROPERTIES

Thermodynamic properties of oxygen solutions in Ni-Cr and Ni-Cr-C melts. Shu Tzia-lun [Hsu Chia-lung] and others. Izv. AN SSSR. Met.i gor. delo no.5:58-63 S-O '63.

OXYGEN ISOTOPES

Influence of the conditions of zinc oxide preparation with indium and gallium additions and without them on the catalytic properties in the reaction of homomolecular exchange with oxygen isotopes. V.I. Gorgonki, L.A Kasatkina. Kin.i kat. 4 no.4,620-624 Jl-Ag '63.

Isotopic exchange of oxygen on platinum films. A.V. Khasin, G.K. Boreskov. Dokl AN SSSR 152 no.6 1387-1390 O '63.

OXYGEN ISOTOPES—SPECTRA

Gamma radiations from Au^{197*} and the β^+-spectrum of O^{15}. S.S. Vasil'ev, L.IA. Shavtvalov. Izv. AN SSSR Ser.fiz. 27 no.10:1261-1262 O '63.

PACHYCARPINE

Evidence of pachycarpine in the practice of forensic chemistry [with summary in English]. N.S.Mikrukova. Apt.delo 12 no.5:51-52 S-O '63.

PACIFIC OCEAN—COPEPODA

Filtering ability of copepods in boreal and tropical regions of the Pacific Ocean [with summary in English]. A.K. Gelzrikh. Trudy Inst.okean. 71,60-71 '63.

PACIFIC OCEAN—DEEP-SEA DEPOSITS

Biostratigraphic correlation of bottom sediments at Station No.3802 in the equatorial zone of the Pacific Ocean. V.V. Mukhina. Okeanologiia 3 no.5:861-869 '63.

PACIFIC OCEAN—DIATOMS

Composition and distribution of diatoms in the surface layer of the Pacific Ocean sediments. T.V. Beliaeva. Okeanologiia 3 no.4:684-696 '63.

PACIFIC OCEAN—FISHES—FOOD

Availability of food organisms for fishes [with summary in English]. L.A. Ponomareva. Trudy Inst.okean. 71,72-80 '63.

PACIFIC OCEAN—GREENLING

Reproduction and development of fishes of the family Hexagrammidae [with summary in English]. N.N. Gorbunova. Trudy Inst.okean. 59:116-182 '62.

Review of fishes of the family Hexagrammidae [with summary in English]. E.P. Rutenberg. Trudy Inst.okean. 59:3-100 '62.

PACIFIC OCEAN—MAGNETISM, TERRESTRIAL

Magnetic observations in the Pacific Ocean. M.M. Ivanov. Okeanologiia 3 no.4:750-751 '63.

PACIFIC OCEAN—MONTMORILLONITE

Montmorillonite minerals in the Pacific Ocean sediments. Z.N. Gorbunova. Okeanologiia 3 no.5,870-875 '63.

PACIFIC OCEAN—OCEANOGRAPHIC RESEARCH

Survey of the Pacific Ocean by the U.S. Coast and Geodetic Survey. O.V. Kol'man. Okeanologiia 3 no.4:754-757 '63.

PACIFIC OCEAN—OCEANOGRAPHY

Circulation of waters in the northern part of the Pacific Ocean. V.A. Bukov. Okeanologiia 3 no.5 761-775 '63.

Inflow of the Pacific Ocean water through the Bering Strait into the Chukchi Sea. Z.P. Fedorova, Z.S IAkutina. Okeanologiia 3 no.5:777-784 '63.

PACIFIC OCEAN—PHYTOPLANKTON

Phytoplankton along the 174° W longitudinal section in the central part of the Pacific Ocean. Part 2 Amount of phytoplankton cells [with summary in English]. G.I. Semina. Trudy Inst.okean. 71:5-21 '63.

PACIFIC OCEAN—PLANKTON

Distribution of plankton in waters of the Pacific equatorial currents [with summary in English]. M.E. Vinogradov, N.M. Voronina Trudy Inst.okean. 71,22-5 '63.

PACIFIC OCEAN—SALMON

Chemiluminescence of lipids and the rate of growth of Pacific Ocean salmon. A.I Zhuravlev, V.P. Konzhe. Dokl.AN SSSR 152 no.2,457-460 S '63.

PACIFIC OCEAN—SPERM WHALE

Characteristics of the pigmentation of sperm whales in the Far Eastern waters [with summary in English]. V.M. Gudkov. Trudy Inst.okean. 71:207-222 '63.

PACIFIC OCEAN—STRONTIUM ISOTOPES

Strontium-90 in the waters of the Pacific Ocean. N.I. Popov, V.M Orlov, V.A. Pchelin. Okeanologiia 3 no.4 666-668 '63.

PACIFIC OCEAN—SUBMARINE TOPOGRAPHY

Bottom configuration and tectonics in the Far Eastern seas and the adjacent regions of the Pacific Ocean G.B. Udintsev Okeanologiia 1 no.3 456-465 '61

PACIFIC OCEAN—TIDAL WAVES

Tsunami in the Pacific Ocean of May 1960. G.I Popov Okeanologiia 3 no.5 785-797 '63.

PACIFIC OCEAN—VOYAGES AND TRAVELS

An anniversary of the Pacific Ocean. IA.M. Svet. Priroda 52 no.9 72-79 '63.

PACIFIC OCEAN—WATER—ANALYSIS

Strontium-90 in the waters of the Pacific Ocean. N.I. Popov, V.M. Orlov, V.A Pchelin. Okeanologiia 3 no.4:666-668 '63.

PACKED TOWERS

Distributing device for the refluxing of packed columns. N.N. Ul'ianov, V.I. Shporkhun. Khim. mashinostr. no.3:3-4 My-Je '63.

Effect of the design of a gas distribution device on the concentration of the solid phase in a packed column G.D Kavetskii, L.A. Akopian. Khim.i tekh.topl.i masel 8 no.10:4-6 O '63.

PACKING (MECHANICAL ENGINEERING)

Experimental investigation of the effect of shaft rotation on the efficiency of labyrinth packing. A.I. Golubchenko, A.IA. Ipatenko, E.I. Gancho. Izv.vys.ucheb.zav.; mashinostr. no.7 87-92 '63.

Studying the conditions of the forcing of the vulcanized rubber packing through the gap. D.P. Dobrushkin, E.S. Ekel', Z.D. Orlov. Kauch.i rez. 22 no.9,19-24 S '63.

PACKING-HOUSE PRODUCTS

Canned food from meat by-products. B.Shnaider, V. Krivtsov. Sov.potreb.koop. 7 no.8:14-16 Ag '63.

PACKING HOUSES see subdivision under Ulan Bator

PAIN

Change in the pain-induced leucocytic reaction in radiation and combined radiation injuries [with summary in English]. M.I. Ul'ianov, B.V. Sakharov. Med.rad. 8 no.2:42-46 F '63.

PAINT

Application of ultrasonic waves in the manufacture of paint materials. L.B. Kotlarskii and others. Lakokras.mat.i ikh prim. no.5:51-57 '63.

Coatings with a base of organic dispersions of polyvinyl chloride. A.M. Bocharova, L.I. Goldfarb. Lakokras.mat.i ikh prim. no.5:15-18 '63.

Dispersion of paint pigments in the binder by means of ultrasonic waves. N.M. Korablev, N.M. Voroshilova, E.E. Shkol'man. Lakokras.mat.i ikh prim. no.4,56-59 '62.

Effect of some factors on the composition of the products of oil alcoholysis. G.L. IUkhnovskii, V.M. Volostiuk. Lakokras.mat.i ikh prim. no.4:16-20 '62.

Intensification of the grinding of pigments in binders. V.A. Mikhailov and others. Lakokras.mat.i ikh prim. no.5:64-66 '63.

Physicochemical basis for the intensification of iron oxide dispersion in ball mills. O. I. Ermilov and others. Lakokras. mat. i ikh prim. no. 5:57-62 '63.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Inter-republic technical specifications. water-soluble silicate potash (silicate lump) for silicate paints (MRTU 7-8-63), liquid potash glass (technical potash silicate) for silicate paints (MRTU 7-9-63), pigment portion of silicate paints (MRTU 7-10-63)] Mezhrespublikanskie tekhnicheskie usloviia silikat kalilia vodorastvorimyi (silikat-glyba) dlia silikatnykh krasok MRTU 7-8-63; steklo zhidkoe kalilnoe (silikat kalilia tekhnicheskii) dlia silikatnykh krasok MRTU 7-9-63, pigmentnaia chast' silikatnykh krasok MRTU 7-10-63. Moskva, Gosstroiizdat 1963. 27 p.

Selecting efficient formulas for antifouling paints with long action. G. IA. Terlo and others. Lakokras. mat. i ikh prim. no. 5 6-10 '63.

Studying the photochemical destruction of the films of alkyd and alkyd-melamine resins with the method of infrared spectroscopy. S. V. IAkubovich and others. Lakokras. mat. i ikh prim. no. 5 21-23 '63.

Studying the transformations taking place during the synthesis of nickel metatitanates. N. S. Rassudova, I. S. Strel'tsov, N. A. Aleksandrova. Lakokras. mat. i ikh prim. no. 5:27-29 '63.

Synthesis of alkyd resins modified by monobasic acids. V. N. Iziumov, T. L. Koposova. Lakokras. mat. i ikh prim. no. 5:2-5 '63.

PAINT—STANDARDS

Standardization of paint and varnish coatings. M. L. Livshits. Standartizatsiia 27 no. 8:28-30 Ag '63.

Standards and specifications. Lakokras. mat. i ikh prim. no. 5 71-81 '63.

Standards for the paint industry adopted from 1959 to 1961. M. L. Livshits. Lakokras. mat. i ikh prim. no. 4:72-75 '62.

PAINT—TESTING

Effect of the modification of titanium dioxide on the rheological properties of thixotropic enamel paints. T. A. Amfiteatrova and others. Lakokras. mat. i ikh prim. no. 4:30-32 '62.

Investigating the adhesion of paint coatings under aging conditions. S. V. IAkubovich, N. L. Maslennikova. Lakokras. mat. i ikh prim. no. 4 20-25 '62.

PAINT INDUSTRY
(see also subdivision under Yaroslavl)

All-Union conference on pigments for the paint industry. A. A. Belovitskii, P. V. Serb-Serbin, D. IA. Gershman. Lakokras. mat. i ikh prim. no. 4, 1-5 '62.

PAINT INDUSTRY—BIBLIOGRAPHY see Bibliography—Paint industry

PAINT INDUSTRY—EQUIPMENT AND SUPPLIES

Selecting nonmetallic grinding bodies for the ball mills used in the manufacture of paints. V. O. Sollenko, V. D. Belyavskii, B. P. Kosmachevskii. Lakokras. mat. i ikh prim. no. 4:59-62 '62.

PAINT INDUSTRY—RESEARCH

Second scientific and technical conference of the young specialists of the State Design, Planning, and Scientific Research Institute of the Paint Industry. Lakokras. mat. i ikh prim. no. 4:88 '62.

PAINT MATERIALS

An obligation honestly met. O. Grebenkina. Stroitel' 9 no. 10 9-10 O '63.

PAINTERS, UKRAINIAN

He came from the midst of the people and he works for them. Mykola Bilkun. Ukraina no. 19:24-25 O '62.

There is a painter in the city of Mirgorod. M. Kholodnyi. Ukraina no. 13:19 Je '61.

PAINTING see subdivision under Soviet Central Asia

PAINTING—SPECIFICATIONS

Standards and specifications. Lakokras. mat. i ikh prim. no. 5:71-81 '63.

PAINTING—TECHNIQUE

Beda, G. V. [Elements of the fine arts] Osnovy izobrazitel'noi gramoty. Leningrad, Uchpedgiz, 1963. 157 p. illus.

Sermon of subjectivism. G. Beda, R. Krukov. Iskusstvo 26 no. 8:70-72 '63.

PAINTING, CZECH

The Trebon Altar. E. IUvalova. Iskusstvo 26 no. 9: 59-66 '63.

PAINTING, DUTCH

Vipper, B. R. [Essays on the golden age of Dutch painting] Ocherki gollandskoi zhivopisi, epokhi rastsveta, 1640-1670. Moskva, Izd-vo "Iskusstvo," 1962. 316 p. illus.
(NjP)

PAINTING, INDUSTRIAL

Answering queries on the application of paint materials. V. S. Kiseova. Lakokras. mat. i ikh prim. no. 5:70 '63.

Answering queries on the application of paint materials. Lakokras. mat. i ikh prim. no. 4,69-71 '62.

Foreign science and technology. Lakokras. mat. i ikh prim. no. 5 81-86 '63.

Production line with a flight pusher-bar conveyor for the preparation, dyeing, and drying of small parts. S. I. Borisenko. Lakokras. mat. i ikh prim. no. 4:62-68 '62.

Roller for painting panels. V. Snastin. Stroitel' 9 no. 10 11 O '63.

PAINTING, INDUSTRIAL—EQUIPMENT AND SUPPLIES

Mechanized continuous production line for the priming of steel castings with GF-020 primer. E. I. Megalinskii. Lakokras. mat. i ikh prim. no. 5, 65-66 '63.

Semiautomatic machines for the drawing of trimming interlacing curved lines on rims and shields of bicycle wheels. V. A. Kovalev. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10:40-43 '63.

PAINTING, INDUSTRIAL—SAFETY MEASURES

Karpov, B. D. [Work hygiene in industrial painting] Gigiena truda pri maliarnykh rabotakh. Leningrad, Medgiz, 1963. 38 p. (Nauchno-populiarnaia meditsinskaia literatura)

PAINTING, UKRAINIAN

From the history of old Ukrainian painting. A. A. Zhabotiuk. Ukr. mova i lit. v shkoli 13 no. 7:24-32 S '63.

PAINTING, UZBEK

Zhadova, L. A. [Contemporary painting of Uzbekistan] Sovremennaia zhivopis' Uzbekistana. Tashkent, Goslitizdat UzSSR, 1962. 110 p. illus.
(MH)

PAINTINGS

Against salon naturalism and eclecticism. I. Matsa. Iskusstvo 26 no. 9:53-58 '63.

PAINTINGS, LATVIAN

Riga. Valsts latviesu un krievu maksla muzejs. [Latvian painting] Latviesu gleznieciba. Riga, Latvijas valsts izd-ba, 1963. [18] p. plates in portfolio. [Text in Latvian, Russian, English, and German]

PAINTINGS, UKRAINIAN—EXHIBITIONS

Consolidation of life. P. Hovdia. Mystetstvo 10 no. 4: 10-12 Jl-Ag '63.

PAKISTAN—ECONOMIC CONDITIONS

Pakistan. K. Mikhailov. Otv. na vop. trud. no. 1:45-49 Ja '63.

PAKISTAN—ECONOMIC POLICY

Some features of economic planning in Indonesia and Pakistan [with summary in English]. G. I. Chufrin, S. I. Tiul'panov. Vest. LGU 16 no. 17:16-31 '63.

PAKISTAN—FOREIGN ECONOMIC RELATIONS—UNITED STATES

High price. M. Nikolaev. Az. i Afr. seg. no. 11:58 N '63.

PALAMAS, GREGORIUS, Saint, 1296-1359

Theology of Saint Gregorius Palamas. N. Zabolotskii. Zhur. Mosk. Patr. no. 8, 62-71 Ag '63.

PALEOBOTANY see subdivision under Lena Valley; Noril'sk region, Svetlogorsk region

PALEOBOTANY, STRATIGRAPHIC see subdivision under Pitsunda region; Samara Valley; Siberia; Siberia, Eastern

PALEOGEOGRAPHY
(see also subdivision under Tajik Depression region; Tajikistan; Turkmenistan)

Lev Borisovich Rukhin's works on paleogeography. V. N. Shvanov, V. K. Golovenok. Uch. zap. LGU no. 310:14-21 '62.

Zhukovskaia, L. P. [History of Slavic and Russian paleography in prerevolutionary Russia and in the U. S. S. R.] Istoriia slaviano-russkoi paleografii v dorevoliutsionnoi Rossii i v SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 141 p.
(NUC)

PALEONTOLOGY see subdivision under Asia, Central

PALEONTOLOGY, STRATIGRAPHIC see subdivision under Ural Mountains

PALLADIUM—ANALYSIS

Photometric determination of palladium [with summary in English]. T. F. Frantsevich-Zabludovskaia, L. P. Kalinanova, G. I. Sharafan. Zhur. anal. khim. 18 no. 9: 1083-1089 S '63.

PALLADIUM SALTS

Oxidation of alcohols with palladium salts in aqueous solutions. A. V. Nikiforova, I. I. Moiseev, IA. K. Syrkin. Zhur. ob. khim. 33 no. 10:3239-3242 O '63.

PALYNOLOGY
(see also subdivision under Astrakhan Province; Khatanga Valley; Lena Valley; Olenek Valley, Ust'-Port region)

Methods for interpreting the spore-pollen spectra of Holocene. N. I. Ptiavchenko. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2:25-33 '63.

PAMIRS—AGRICULTURE

Amanullaev, F. [Developing agriculture on the collective farms in the Soviet Pamirs] Razvitie sel'skogo khoziaistva kolkhozov Sovetskogo Pamira. Stalinabad, Izd-vo Akad. nauk Tadzhikskoi SSR, 1960. 84 p. (Akademiia nauk Tadzhikskoi SSR, Dushanbe, Otdel ekonomiki, Trudy, vol. 6)

PAMIRS—COLLECTIVE FARMS—MANAGEMENT

Amanullaev, F. [Developing agriculture on the collective farms in the Soviet Pamirs] Razvitie sel'skogo khoziaistva kolkhozov Sovetskogo Pamira. Stalinabad, Izd-vo Akad. nauk Tadzhikskoi SSR, 1960. 84 p. (Akademiia nauk Tadzhikskoi SSR, Dushanbe, Otdel ekonomiki, Trudy, vol. 6)

PAMIRS—GLACIERS

From the pages of the press. Sov. Soiuz no. 8-9 '63.

Medvezhiy glacier. B. S. Chuchkalov. Priroda 52 no. 9:108-111 '63.

PAN-AMERICANISM

Consultation. Mezhdunar. zhizn' 10 no. 12:114-119 D '63.

PANCH, PETRO, 1891-

Petro Panch; on his 70th birthday. Oleksandr Dimchenko. Ukraina no. 13:27 Je '61.

PANCREAS—DISEASES

Chronic pancreatitis. I. F. Lorie. Kaz. med. zhur. no. 1:92-96 Ja-F '61.

PAPER

Effect of the iron and copper content of paper on the quality of condensers. L. M. Vaisman. Bum. prom. 38 no. 9:21-23 S '63.

PAPER BAGS

In the State Committee of the Forest, Woodpulp, Paper, and Woodworking Industry and Forestry attached to the State Planning Commission: Increase of production and widening of the assortment of paper bags is an important task of the national economy. Bum. prom. 38 no. 10, 27-28 O '63.

PAPER CHROMATOGRAPHY

Effect of the composition of a mixture of esters with ketones and alcohols on the separation of certain rare-earth elements by paper chromatography [with summary in English]. M. P. Vdovenko. Zhur. anal. khim. 18 no. 9:1063-1070 S '63.

Quantitative determination of impurities in diphenylol propane by paper chromatography [with summary in English]. A. S. Salova, L. A. Vinogradova. Zhur. anal. khim. 18 no. 9:1128-1130 S '63.

Quantitative elution of paper chromatograms in glass capillary tubes [with summary in English]. IU. R. Malashenko. Ukr. biokhim. zhur. 34 no. 2 296-299 '62.

PAPER ELECTROPHORESIS

Multilayer holder for staining electrophorograms. IU. IA. Gofman. Trudy po khim. prirod. soed. no. 3:85-86 '62.

Study of salt-soluble proteins in the seeds of the millets Setaria moharium and S. italica by paper electrophoresis. V. S. Shvarts, V. G. Klimenko. Trudy po khim. prirod. soed. no. 5:53-57 '62.

Study of salt-soluble proteins in the seeds of some representatives of Cucurbitaceae by paper electrophoresis. M. V. Alekseeva. Trudy po khim. prirod. soed. no. 5, 69-74 '62.

Suppression of the decomposition of bromophenol blue in a caustic soda solution. IU. IA. Gofman. Trudy po khim. prirod. soed. no. 5:75-78 '62.

PAPER INDUSTRY
(see also subdivision under United States)

Economizing technological fuel. A. A. Smirnov. Bum. prom. 38 no. 9, 26 S '63.

From foreign journals. Bum. prom. 38 no. 10:32 O '63.

PAPER INDUSTRY—BIBLIOGRAPHY see Bibliography—Paper industry

PAPER INDUSTRY—COSTS

Calculating the production costs of paper and cardboard by the surface area. M. L. Ivchor. Bum. prom. 38 no. 9:27-28 S '63.

PAPER INDUSTRY—EQUIPMENT AND SUPPLIES

Efficient utilization of the heat of condensates. A. B. Sumrakov. Bum. prom. 38 no. 9:24-26 S '63.

Plastic plugs for rolls. L. E. Spiridonova. Bum. prom. 38 no. 10:31 O '63.

PAPER INDUSTRY WORKERS

The[illegible] branch of [illegible]. Bum. prom. 37 no. 10 2 of cover O '63.

PAPERBOARD

Way of improving the [illegible]ss of cardboard. S. R. Farber. Bum. prom. 38 no. 9 20 S '63.

PAPERMAKING MACHINERY

Basic[illegible] method for building up the productive capacity. P. P. Lisov. Bum. prom. 38 no. 9 19-20 S '63.

PAPERMAKING MACHINERY—ABSTRACTS

[Technology and equipment of the papermaking and printing industry] Ref. zhur. Tekh. i otdel. bumagodel. i poligr. proiz. nos. 11-12 N-D '63.

PARACHUTING

Competitions and records. E. Stepanov. Kryl. rod. 14 no. 10 12-13 O '63.

Five circles instead of one. I. Liso. Kryl. rod. 14 no. 10 14-15 O '63.

Life in the sky and on the ground. Kryl. rod. 14 no. 10 24 D-25 O '63.

Masters of silk shells. A. Virokurov. Kryl. rod. 14 no. 11 27-31 N '63.

The second thousand is coming! Kryl. rod. 14 no. 11 25 N '63.

The third altitude. E. Liporetch. Kryl. rod. 14 no. 11 23 N '63.

PARAFFIN OILS

Quantity of liquid petrolatum during modification with tripoli from the Zikeev Mine for chromatographic separation of hydrocarbons. N. A. Kudriavtseva, V. I. Taranov, V. I. Shchipanov, and others. Khim. i tekh. topl. i masel 8 no. 10 59-62 O '63.

PARAFFINS

Chromatographic separation of n-alkanes from petroleum fractions on activated carbon. L. M. Rozenberg and others. Neftekhimiia 3 no. 4 472-481 Jl-Ag '63.

Important source for the increase of the production of ceresin and paraffin. R. A. Abiullin. Khim. i tekh. topl. i masel 8 no. 10 34-37 O '63.

Possibilities for obtaining higher glycols by liquid-phase oxidation of paraffin hydrocarbons. V. V. Kamzolkin, A. N. Bashkirov, S. A. Lodzik. Neftekhimiia 1 no. 3 411-417 My-Je '61.

PARAFFINS—SPECTRA

Infrared absorption spectra of mixed high-molecular hydrocarbons. Report No. 1. Spectra of C_{24} mono-, di- and tricyclohexylalkanes. M. P. Tsyetkova, M. V. Petrov. Neftekhimiia 1 no. 3 309-316 My-Je '61.

Ultraviolet absorption spectra of some C_{32} phenyl-, naphthyl- and dinaphthylalkanes. N. V. Shimanko, M. A. Petrov. Neftekhimiia 1 no. 3 305-308 My-Je '61.

PARAFFINS, EFFECT OF RADIATION ON

Gas evolution kinetics in low-temperature radiolysis of paraffin and polyethylene. G. K. Vasil'ev, V. E. Skurat, V. L. Tal'roze. Dokl. AN SSSR 152 no. 2 356-358 S '63.

PARAGENESIS

Some characteristics of the parageneses of pitchblende and calcite. G. A. Tananaeva. Geol. rud. mestorozh. 5 no. 5 55-61 S-O '63.

PARALYSIS

Clinical aspects and treatment of respiratory paralysis in diseases of the nervous system of different etiology. L. M. Popova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 65-66 '61.

PARALYSIS, SPASTIC

Use of native curariform preparations in spastic paresis in the restoration period [illegible] an attack. L. G.

PARANOIA

Pathological litigiousness in psychopathic personalities [with summary in French]. T. P. Pechernikova. Zhur. nevr. i psikh. 63 no. 2 244-250 '63.

Some variations of acute paranoid diseases developing in alcoholics during travel [with summary in English]. V. S. Bobrov. Trudy Gos. nauch.-issl. inst. psikh. 18 176-188 '63.

Treatment of patients with a paranoid form of schizophrenia by means of stelazine [with summary in French]. V. F. Gudenko, F. G. Kel'mushkeit. Zhur. nevr. i psikh. 63 no. 2 269-275 '63.

PARASITE AIRPLANES

Take-off and landing in the sky. M. Arlazorov. Znan.-sila 38 no. 5 26-27 My '63.

PARASITES—BARK BEETLES

Effect of barking spruce on the engraver beetle Ips typographus and its enemies. A. A. Hirits. Visnyk sil'hosp. nauky 6 no. 4 83-86 Ap '63.

PARASITES—BLOOD see Blood—Parasites

PARASITES—BIRDS see subdivision under Kiev Province

PARASITES—CARP

Infestation of carp by Sanguinicola inermis Plehn in different seasons of the year. A. M. Naumova. Dokl. TSKhA no. 69:211-216 '61.

PARASITES—CATTLE see subdivision under Mari A.S.S.R.

PARASITES—CHIPMUNKS see subdivision under Siberia, Western

PARASITES—DOGS

Clinical picture and therapy of otodectic mange in dogs. V. I. Potemkin. Trudy Mosk. vet. akad. 12:230-233 '56.

PARASITES—FISHES

Morphological and cytochemical changes in the oocytes of sterlet and sturgeon under the influence of the parasitism of Polypodium hydriforme Ussov (Coelenterata). E. V. Raikova. Dokl. AN SSSR 152 no. 4:985-986 O '63.

PARASITES—GEESE

Biology of Ganguleterakis dispar, a parasite of geese. A. A. Guldenblat. Trudy Mosk. vet. akad. 12:207-213 '56.

PARASITES—GULLS see subdivision under Tendra Bay

PARASITES—MAMMALS
(see also subdivision under Latvia)

Study of the development cycle of Taenia krabbei, a parasite of carnivorous animals and deer. V. V. Brzheskii. Dokl. AN SSSR 152 no. 6 1494-1495 O '63.

PARASITES—MOLES (ANIMALS) see subdivision under Brasovskiy District

PARASITES—POULTRY

Capillarids of domestic birds and the diseases caused by them. V. G. Gagarin. Trudy Mosk. vet. akad. 12:214-229 '56.

PARASITES—RODENTIA see subdivision under Brasovskiy District

PARASITES—WHALES

Feeding habits and helminths of whalebone whales (Mysticoceti) on the main whaling grounds of the world ocean (with summary in English). S. K. Klumov. Trud. Inst. okean. 71 94-194 '63.

PARA[illegible]HOMMETIC AGENTS

for the treatment of vasovegetative disturoccupational diseases. R. G. Golodets, E. A. I. I. Ponizovskaia. Izv. AN Arm. SSR, Biol. no. 7:95-97 Jl '63.

nal changes in the central nervous system ctivity of the organism occurring under the central cholinolytics. P. P. Demtsenko. m. Otd. nauch. med. inform. AMN SSSR no. 1

D FEVER

violet radiation on some forms of microof the paratyphoid group. Z. M. Kutumdzhi. m. sel'khoz. inst. 8 no. 2:81-88 '61.

and efficient methods for the treatment of l in calves. G. N. Kirillov. Sbor. stud. rab. no. 7:46-48 '62.

CHILD

. Sem'ia i shkola 18 no. 10:26-32 O '63.

. Sem'ia i shkola 18 no. 11:19-25 N '63.

responsible. A. Sergeeva. Sem'ia i no. 11:16 N '63.

Masevich, M. G. [Basic rights and responsibilities of parents and children in the Soviet state] Osnovnye prava i obiazannosti roditelei i detei v Sovetskom gosudarstve. Alma-Ata, [Ob-vo po rasprostraneniiu politicheskikh i nauchnykh znanii Kazakhskoi SSR] 1963. 37 p. (MH-L)

To a young mother. Doshk. vosp. 16 no. 10 [illegible] '64.

When success is achieved. P. Saklatov. Nar. [illegible] no. 10 71-73 O '63.

Why do you shirk your responsibility? M. Gromova. Sem'ia i shkola 18 no. 11 30-31 N '63.

PARIS—EXHIBITIONS

Greetings from the Ukraine. Mishel de Sen-Pe[illegible] no. 21:4 N '61.

PARKHOMOVKA (KHARKOV PROVINCE)—CHURCHES, MUSEUMS

Sprouts. L. Osipova. Ogonek. 41 no. 39 [illegible] '63.

PAROLE

Preparation and examination of materials on parole. K. Eidelshtant. Rad. pravo no. 1 61-[illegible] '63.

PARSLEY—THERAPEUTIC USE

Effect of parsley juice and decoction on the motor functions of the stomach and the biliary [with summary in English]. Kh. Bradilki, V. Ilieva, Z. Mladenova. Vop. pit. 22 no. 1 14-17 Ja-F '63.

PARTHIA—HISTORY

Internal political struggle in Parthia. G. A. I. Vest. drev. ist. no. 3:56-68 '63.

PARTICLE ACCELERATORS

New Soviet accelerator, a Gulliver. V. Gol'sev. Iun. mol. 30 no. 8, 37 '63.

Types of accelerators. O. Sergeev. Tekh. mol. no. 8:37 '63.

PARTICLE BOARD

Korshun, L. L., and others. [Finishing veneered particle boards] Otdelka shponirovannykh struzhechnykh plit. Moskva, TSentr. nauchno-issled. in-t inform. i tekhniko-ekon. issledovanii po tsellyulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoz. 1963. 22 p. (Peredovoi opyt obrabotka)

[MICROFILM]

PARTICLE SIZE DETERMINATION

Classification of the granulometric composition of rock in open-pit workings. N. P. Selinov. Tsvet. met. 10:107-200 '64.

Correlation of the results of granulometric analysis of sand rocks in thin sections, loose preparations and the use of the sieve method. V. N. Shvanov, A. I. Ivanov. Uch. zap. LGU no. 310:31-40 '63.

Stabilization of TiO_2 suspensions in sedimentometric analysis. Iu. D. Dolmatov. Lakokras. mat. i ikh primen. no. 5:45-46 '63.

PARTICLE TRACK PHOTOGRAPHY see Photography, Particle track

PARTICLES (NUCLEAR PHYSICS)

Theory of the motion of charged particles in a homogeneous magnetic field in the presence of a uniform transverse electric field. V. S. Kudriavtsev. Dokl. AN [illegible] no. 2:313-316 S '63.

PARTITION

Examination of disputes concerning the partition of property in the dissolution of marriages. A. Gurvich, B. Khaskel'berg. Sov. iust. no. 19:8-9 O '63.

Partition of unfinished buildings. L. Khersonskii. Sov. pravo no. 4:100-102 Jl-Ag '63.

PASHCHENKO, OLEKSANDR SOFRONOVYCH, d. 1963

In memory of O. S. Pashchenko. Mystetstvo [illegible] Jl-Ag '63.

PASSEK, TATIANA SERGEEVNA, 1903-

T. S. Passek's sixtieth birthday. E. K. Chernysh. Sov. arkheol. 7 no. 3:5-9 '63.

PASTEURELLA

Antigenic and immunogenic properties of pasteurellae of various origin. O. V. Ignatova. Trudy Mosk. [illegible] 12:9-18 '56.

Biochemical and cultural morphological properties of pasteurellae of farm animals. O. V. Ignatova. Trudy Mosk. vet. akad. 12:19-25 '56.

Nucleoproteins of a virulent strain of the plague [illegible] [with summary in English]. A. A. Kanchukh, [illegible] tina, N. N. Basova. Ukr. biokhim. zhur. 34 no. [illegible] 106 '62.

PASTURES AND MEADOWS
(see also subdivision under Tien Shan)

Fattening of young cattle on the Michurin Collective Farm in Stupino District, Moscow Province. A. V. Orlov, N. V. Mylnikov. Dokl. TSKHA no. 69,45-52 '61.

PASTURES AND MEADOWS—FERTILIZERS AND MANURES see subdivision under Uzbekistan

PATENT LAWS AND LEGISLATION
(see also subdivision under Poland)

Examination of conflicts among joint inventors. I. Mamiya. Sov. iust. no. 13 8-10 Jl '63.

[Urchenko, A. K.] [Problems of the Soviet patent law] Problemy sovetskogo izobretatel'skogo prava. [Leningrad] Izd-vo Leningr. univ., 1963. 179 p.

Russia (1923- U. S. S. R.) Laws, statutes, etc. [Collected laws on inventions and efficiency suggestions] Sbornik zakonodatel'stva ob izobretatel'stve i ratsionalizatsii. Izd. 2., ispr. i dop. Moskva, Goslesizdat, 1963. 314 p.

PATENT LICENSES

Patenting in international trade. M. Gorodisskii. Vnesh. torg. 43 no. 10 48-49 '63.

PATENTS

[Bulletin on inventions and trademarks] Biul. izobr. i tov. znak. 40 nos. 16-19 Ag-O '63.

Make patent literature available to farm mechanics. E. Lebotskaia. Bibliotekar' no. 9, 28-29 S '63.

PATENTS (INTERNATIONAL LAW)

Legal problems in defending governmental interests in the field of patents abroad. V. A. Dozortsev. Sov. gos. i pravo 33 no. 10, 68-76 O '63.

PATHOGENIC BACTERIA see Bacteria, Pathogenic

PATHOLOGICAL ANATOMY see Anatomy, Pathological

PATHOLOGICAL PHYSIOLOGY see Physiology, Pathological

PATHOLOGY, CELLULAR

Disorders in the processes of cell regeneration in the bone marrow of rats subjected to ionizing radiation. G. P. Gruzdev and others. Med. rad. 8 no. 2:35-42 F '63.

PATS VALLEY—HYDROELECTRIC POWER STATIONS

An example of good neighborly cooperation. IU. Serbin. Mezhdunar. zhizn' 10 no. 12:106-107 D '63.

PATTERNMAKING

Casting into chill molds from wooden patterns. B. A. Arbuzov and others. Avtom. svarka no. 1 182-194 '63.

PAULING, LINUS CARL, 1901-

Linus Pauling. Nov. vrem. 21 no. 14:21 N '63.

PAUSTOVSKII, KONSTANTIN GEORGIEVICH, 1893-

Leviteskii, L. A. [Konstantin Paustovskii; an analysis of his works] Konstantin Paustovskii; ocherk tvorchestva. Moskva, Sovetskii pisatel', 1963. 405 p.

PAVEMENTS, BITUMINOUS

Peculiarities of using bituminous emulsions. M. F. Nikishina, N. I. Begunkova. Avt. dor. 26 no. 10:21-22 O '63.

PAVLOGRAD—MUSEUMS

The story of the people; through the halls of the Pavlograd People's Historical and Revolutionary Museum. M. I. Komissarova, I. I. Rubanovich. Vop. arkh. 8 no. 2: 55-61 Ap-Je '63.

PAVLOV, KAPITON

N. Gogol' and the artist Kapiton Pavlov. S. Raeva'kyi. Mystetstvo 10 no. 3:29-31 My-Je '63.

PAVLOV, NIKOLAI FILIPPOVICH, 1805-1864

Letters written by N. F. Pavlov to N. V. Gogol'; evaluation by these contemporaries of "Selected passages from correspondence with friends." V. Vil'chinskii. Izv. AN SSSR. Ser. lit. i iaz. 22 no. 5:428-431 S-O '63.

PEA BREEDING see subdivision under Ukraine

PEACE
(see also subdivision under Denmark)

Christian theses of peace. Brat. vest. no. 4:3 '63.

German humanistic philosophers on war and eternal peace. V. D. Lazurenko. Sov. gos. i pravo 33 no. 10:142-146 O '63.

God's tolerance towards man is a summons for a dialogue and a work for securing human existence in the atomic age. L. N. Partiskii. Zhur. Mosk. Patr. no. 8:29-34 Ag '63.

New books published abroad. Mir. ekon. i mezhdunar. otn. no. 10:155-157 '63.

PEACE CORPS see subdivision under United States

PEAR see subdivision under Ukraine

PEAS

Controlling the heredity in peas by conditioning. V. F. Khitrinskii. Nauch. trudy Vses. sel.-gen. inst. no. 5: 31-41 '62.

N-terminal amino acids of the globulins in some pea species. I. A. Vaintraub. Trudy po khim. prirod. soed. no. 5 15-18 '62.

Variability in the content of proteins and nonprotein nitrogen-containing substances in seeds of some pea species in the process of ripening. R. I. Pinegina, V. G. Klimenko. Trudy po khim. prirod. soed. no. 5 19-26 '62.

PEAS—HARVESTING
(see also subdivision under Siberia)

The SK-3 combine gathers two pea windrows. F. Val'ko. Tekh. v sel'khoz. 23 no. 8, 90-91 Ag '63.

PEAS, CANNED

Optimum conditions for the preservation of green peas in refrigeration chambers till their processing in plants. M. S. Mordkovich and others. Kons. i ov. prom. 18 no. 10:10-12 O '63.

PEASANT UPRISINGS see subdivision under Estonia, Kabardino-Balkar A. S. S. R.; Korea

PEASANTRY

Akademiia nauk SSSR. Institut istorii. [The peasant movement in Russia at the end of the 19th and the beginning of the 20th century] Krest'ianskoe dvizhenie v Rossii v XIX-nachale XX veka. Glav. red. N. M. Druzhinin. Moskva, Izd-vo sotsial'no-ekon. lit-ry [1959]-1962. 5 v.
(NN)

PEAT

For the next year's crop. M. Kulik. Zemledelie 25 no. 10, 68 O '63.

Winning peat for fertilizing and bedding. D. S. Ibragimov. Zemledelie 25 no. 10:64-68 O '63.

PEAT—ANALYSIS

Data on the composition of peat and the process of its formation as an initial stage in the coal-forming process. T. A. Kukharenko. Trudy IGI 21 134-143 '63.

PEAT—MICROBIOLOGY see subdivision under Armenia

PEAT—THERAPEUTIC USE

Development of standards for peat distillate. L. I. Adamanis. Uch. zap. ULGB 5,313-321 '62.

PEAT BOGS
(see also subdivision under Angara Valley)

Smirnov, T. E. [Where bogs used to be] Tam gde byli bolota. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1963. 102 p.
(DNAL)

PEAT INDUSTRY

Slonimskii, L. N. [Electrification of peat enterprises] Elektrifikatsiia torfopredpriatii. Izd. 2., pererab. i dop. Moskva, Gosenergoizdat, 1963. 399 p.

PEAT MACHINERY

Universal loader as the PDT-1, 5 peat winning machine. A. T. Karpov. Trakt. i sel'khozmash. 33 no. 3:34 Mr '63.

PECHORA BASIN—PROSPECTING—GEOPHYSICAL METHODS

Methods of using lateral logging in Pechora Basin coal deposits. V. V. Grechukhin, E. A. Neiman, IU. P. IAnshevskii. Geofiz. razved. no. 12, 74-100 '63.

PEDIATRICS

Annotations. Pediatriia 42 no. 5:90-92 My '63.

Moscow (Province) Oblastnoi nauchno-issledovatel'skii institut akusherstva i ginekologii. [Authors' abstracts of scientific papers completed in 1961] Avtoreferaty nauchnykh rabot, vypolnennykh v 1961 g. Red. kollegiia: O. D. Matspanova i dr. Moskva, 1962. 116 p. [Cover title: Voprosy akusherstvo-ginekologicheskoi pomoshchi, no. 1]
(DNLM)

PEGMATITES
(see also subdivision under Lovozero Tundras, Shakhdag)

Wave of acidity of postmagmatic solutions in mica-bearing pegmatites. B. M. Shmakin. Dokl. AN SSSR 152 no. 4:979-982 O '63.

PENDZHIKENT REGION—GAS, NATURAL—GEOLOGY

Recent tectonic movements and the structure of the Pendzhikent intermontane trough in connection with prospects for finding oil and gas in it. A. A. IUr'ev. Uzb. geol. zhur. 7 no. 3:76-82 '63.

PENDZHIKENT REGION—PETROLEUM GEOLOGY

Recent tectonic movements and the structure of the Pendzhikent intermontane trough in connection with prospects for finding oil and gas in it. A. A. IUr'ev. Uzb. geol. zhur. 7 no. 3:76-82 '63.

PENICILLIN

Antitoxic function of the liver in pyoinflammatory processes in patients treated with penicillin. N. P. Medvedev. Kaz. med. zhur. no. 1, 74-75 Ja-F '61.

Etiopathogenic therapy of phlegmon in horses. A. G. Kaburina, O. G. Tikhonova, M. P. Riazanskii. Trudy Ul'ian. sel'khoz. inst. 8 no. 2, 51-57 '61.

Study of the precursors and fragments of antibiotics. Part 9. Carbonyl and tricarboxylic derivatives of thioglycolic acid. M. S. Rabinovich and others. Zhur. ob. khim. 33 no. 10 3135-3140 O '63.

Treatment of bronchial asthma by intratracheal administration of penicillin in a novocaine solution. A. S. Simonenko. Kaz. med. zhur. no. 2 35-36 Mr-Ap '63.

PENMANSHIP

"Handwriting instruction in medieval universities" [in French] by I. Hajnal. Reviewed by L. I. Kiseleva. Sred. veka no. 24 283-289 '63.

PENSIONERS
(see also subdivision under Moscow, Ufa)

Don't limit the rights of working pensioners. A. Kaftanovskaia. Okhr. truda i sots. strakh. 6 no. 11 35-36 N '63.

Not everybody can be a tourist. V. Lisitsyn, K. Polikarpov. Sots. obesp. 24 no. 8 34 Ag '63.

PENSIONS
(see also subdivision under Orel; Rossosh' District, Saratov Province)

Applications and complaints. S. Smirnov. Sots. obesp. 24 no. 8 57-58 Ag '63.

Calculation of pensions on the basis of the highest wage. N. Blokhin. Okhr. truda i sots. strakh. 6 no. 11 44-45 N '63.

Economic significance of the pension law. A. Gorbunov. Sots. obesp. 24 no. 10 18-19 O '63.

New features in the awarding of and accounting for bonuses in the computation and payment of pensions. IU. TSederbaum. Sots. obesp. 24 no. 8 50-55 Ag '63.

New in legislation. Sots. obesp. 24 no. 10 56-57 O '63.

Overpayments of state pensions should be returned in full. Okhr. truda i sots. strakh. 6 no. 10, 44 O '63.

Questions and answers. Sots. obesp. 24 no. 8, 55-57 Ag '63.

Questions and answers. Sots. obesp. 24 no. 10 54-56 O '63.

PENTADIENONE

Basicity and structure of α,β-unsaturated heterocyclic ketones. Part 2: Thiophene analogs of 1, 5-diphenylpentadienones. S. V. TSukerman and others. Zhur. ob. khim. 33 no. 10, 3186-3191 O '63.

PENTAERYTHRITOL

Bicyclic diphosphites based on pentaerythritol. Gil'm Kamai, E. T. Mukmenev. Zhur. ob. khim. 33 no. 10 3197-3201 O '63.

Condensation of pentaerythritol with carbonyl compounds in the presence of the KU-2 cation exchanger. T. N. Shakhtakhtinskii, L. V. Andreev. Dokl. AN Azerb. SSR 18 no. 12 17-22 '62.

PENTAMETHYLENETETRAMINE—TOXICOLOGY

Data on the toxicity of a ChKhZ-18 foaming agent stabilized with stearine and dibuthyl phthalate (dinitrosopentamethylenetetramine). S. M. Pavlenko. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9:109-111 '61.

PENTENE

Dehydration of primary n-amyl alcohol and the accompanying isomeric conversions of pentenes on a calcium phosphate catalyst. L. Kh. Freidlin and others. Neftekhimiia 1 no. 4:548-554 Jl-Ag '61.

Hydration of tertiary amylenes in the presence of a KU-2 cation exchanger and accompanying reactions. N. G. Polianskii and others. Kin. i kat. 4 no. 4:614-619 Jl-Ag '63.

Interaction of ketone with esters of α-hydroxy- and α-aminophosphinic acids. A. N. Pudovik, I. P. Gozman, V. I. Nikitina. Zhur. ob. khim. 33 no. 10:3201-3205 O '63.

Polymerization of amylenes under the action of high-energy electrons. G. M. Panchenkov and others. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 1: 57-58 '62.

Use of mercuric sulfate in quantitative analysis of olefins and tertiary alcohols. Report No. 2 Determination of tertiary amylenes [with summary in English]. M. M. Buzlanova, N. A. Kozhikhova, N. G. Polianskii. Zhur. anal. khim. 18 no. 9:1125-1127 S '63.

PENZA—COMPRESSORS

Some problems in the manufacture of compressors. M. B. Zhitomirskii. Mashinostroitel' no. 11:3 N '63.

PENZA PROVINCE—STATISTICS

First results. P. Shashkin. Vest. stat. no. 9:33-34 '63.

722-705 O - 64 - 19

PEPSIN

[illegible] pepsin [illegible] [with summary in English] [illegible] Ukr. biokhim. zhur. 34 no.2:244-251 '62.

PEPTIC ULCER

Content of [illegible] and its components in gastric juice in [illegible] of peptic ulcer of stomach [with summary in English] I. I. Shirokov, S. B. [illegible] Vop. pit. 22 no.1:72-74 Ja-F '63.

[illegible] of ulcers, V. O. Chizmadzhev, Z. Mol'chakova, Fel'd. i akush. 24 no.10:24-26 O '59.

Isotherapy, V. P. [illegible] and V. A. Olenyeva. [Therapeutic application in peptic ulcer] Lechebnoe primenenie pri [illegible] Moskva, Medgiz, 1961. 70 p. (Nauchno-populiarnaia meditsinskaia literatura) (MIRA 15:4) (PEPTIC ULCER)

[illegible] [illegible] in [illegible] and the [illegible] Trudy Ural. Pol. In-ta, no.[illegible] [illegible] Ma-Ap '[illegible]

The [illegible] of patients [illegible] with [illegible] [with summary in English] V. P. [illegible] Sov. pat. 25 no.1:13-19 Ja-F '63.

PERCEPTION

[illegible] [illegible] Zh. vys. nerv. deiat. 31 no.6:20-27 '61.

PERCEPTRONS

[Principles of the design of self-teaching systems] Printsipy postroeniia samoobuchaiushchikhsia sistem. Red., Gosizdatel'stvo RSSR, 1963. 117 p.

[illegible] of perceptive units (perceptrons) and the principles of [illegible] organs. V. P. [illegible] Prirodnaia [illegible] 1963, no.2,67-72 '63.

PERCHLORIC ACID

Melting diagram of the system $Cl_2O_7 - SO_3 - H_2O$ in the region of high concentrations of perchloric and sulfuric acids. N. A. Shabarova, A. V. Zinov'eva, V. I. Mikheeva. Dokl. AN SSSR 152 no.2:346-348 '63.

PERECHIN—WOOD—CHEMISTRY

Toward new production achievements. V. F. Goblik, Gidroliz. i lesokhim. prom. 14 no.8:11-12 '61.

PEREMYSHL' DISTRICT—ANTIQUITIES

The [illegible] of Perkin Bugor. R. L. Rozenfel'dt, Sov. arkheol. no.2:221-226 '63.

PEREYASLAV-KHMEL'NITSKIY—ARCHITECTURE

Grabovetskaia, I. A., and I. N. Dmitrot. [Pereyaslav-Khmel'nitskiy, an essay on its architectural history] Pereiaslav-Khmel'nitskii, arkhitekturno-istoricheskii ocherk. Pod red. I. A. Grabovskogo. Kiev, Izd-vo Akad. arkhit. USSR, 1954. 79 p. illus. (MIRA)

PEREYASLAV-KHMEL'NITSKIY—MONUMENTS

Pereyaslavskaia starina, no.21:6 N '61.

PERIATERITIS NODOSA

Clinical aspects periarteritis nodosa. M. O. Val'dt, Trudy mel. nauch. sotr. MONIKI no.1:161-168 '59.

PERICARDIUM

Case of complete congenital absence of the pericardium in a patient with pentalogy of Fallot, abstract. K. F. Shurlaeva, A. P. Maksimkina. Kaz. med. zhur. no.1:105-106 Ja-F '61.

PERILLA

Effect of photoperiodism on the change in the amino acid composition of the isolated leaves of perilla. V. O. Kazaryan, K. A. Karapetian. Dokl. AN Arm. SSR 36 no.4:233-236 '63.

PERIODIC FUNCTIONS see Functions, Periodic

PERIODICALS—BIBLIOGRAPHY see Bibliography—

BODIES

needle from the intestines into t. V. G. Egorov. Kaz. med. -F '61.

itoneum. R. V. Antipov. Trudy no.1:222-224 '59.

ll intestine in peritonitis and n of some drugs. V. S. Sofronov. nst. 8 no.2:21-26 '61.

hogenesis of reticulo-peritonitis v. S. I. Darkhovskii. Sbor. stud. 72 '62.

al additive. P. P. Budnikov, mat. 9 no.7:29-31 Jl '63.

STRY WORKERS

orkers' meeting. E. Makukhin 9:36-38 O '63.

I. Emel'ianov. Sov. profsoiuzy

PERM PROVINCE—FIRES AND FIRE PREVENTION

Parliament duty. V. Kulikov. Pozh. delo 8 no.9:10-11 S '62.

PERM PROVINCE—REFORESTATION

Expand the reforestation work at logging camps. M. Trubnikov. Les. prom. 10 no.6:31-32 Je '62.

PERM PROVINCE—WHOLESALE TRADE—EQUIPMENT AND SUPPLIES

Here's what materials on a surprise inspection. Sov. potreb. koop. 7 no.6:40-44 Ag '63.

PEROVSKITE see subdivision under Afrikanda region

PEROVSKITE CRYSTALS—DEFECTS

X-ray diffraction study of slight defects in complex perovskite. M. T. Kuprianov, V. S. Filipev. Kristallografiia 8 no.3:356-362 My-Je '63.

PEROXIDASES

Effect of the cerebrospinal fluid and blood serum of patients with multiple sclerosis on the peroxidase of the spinal cord in rats. I. A. Osipova, A. L. Leonovich. Dokl. AN SSSR 7 no.4:277-279 Ap '63.

PEROXIDES

Acyl peroxides. Part 2. Synthesis and properties of aliphatic nonsymmetrical diacyl peroxides with unbranched chains. Iu. A. Ol'dekop and others. Zhur. obshch. khim. 33 no.8:2771-2774 Ag '63.

Photometric method for determining peroxides in tetrahydrofuran [with summary in English]. A. P. Zozulia, E. V. Novikova. Zhur. anal. khim. 18 no.9:1105-1108 S '63.

Polarographic determination of organic peroxides [with summary in English]. M. F. Romantsev, L. S. Levin. Zhur. anal. khim. 18 no.9:1109-1115 S '63.

PERRHENATES

Interaction of perrhenates with diphenylcarbazide and diphenylcarbazone [with summary in English]. D. I. Ryabchikov, L. V. Borisova. Zhur. anal. khim. 18 no.7:851-855 Jl '63.

PERSIA see Iran

PERSIAN POETRY—HISTORY AND CRITICISM

"The Diwan" [in Persian] by Auhad Anvari. Reviewed by Z. N. Vorozheikina. Nar. Az. i Afr. no.3:226-227 '63.

PERSONAL INJURIES

Determination of the extent of personal injury in the irremediable disfiguration of an injured person's face. IE. I. Achemin. Sud. pravo no.4:87-89 Ji-Ag '63.

PERTURBATION

Development of perturbations of arbitrary form in a homogeneous medium with low pressure [with summary in English]. A. G. Doroshkevich, I. V. Zel'dovich. Astron. zhur. 40 no.5:807-811 S-O '63.

PERU—PETROLEUM INDUSTRY

The "ungrateful country." A. Kartsev. Mezhdunar. zhizn' 10 no.12:111-112 D '63.

PERU—POLITICS AND GOVERNMENT

Political situation in Peru. Manuel Gomez. Nov. vrem. 21 no.44:18-19 N '63.

The "ungrateful country." A. Kartsev. Mezhdunar. zhizn' 10 no.12:111-112 D '63.

PETER I ISLAND REGION, ANTARCTICA—SUBMARINE GEOLOGY

Core from the area of Peter I Island. N. N. Kulikov. Inform. biul. Sov. antark. eksp. no.36:14-17 '62.

PETROCHEMICALS see Petroleum chemicals

PETROGLYPHS see subdivision under Crimea

PETROLEUM

(see also subdivision under Arab Countries; Azerbaijan, Tatar A. S. S. R.)

Organic chlorides in petroleum fractions. M. A. Filatova, R. P. Nekrasova, V. G. Ben'kovskii. Neftekhimiia 1 no.3:350-352 My-Je '61.

PETROLEUM—ANALYSIS

Obtaining $C_2 - C_4$ monomers by pyrolysis of hydrocarbon mixtures isolated from petroleum. Kh. I. Areshidze, G. O. Chivadze. Neftekhimiia 3 no.4:518-522 Jl-Ag '63.

Using the method of flame photometry to determine the NaCl content of petroleum. M. L. Bogomolova, A. A. Perfil'eva. Izv. vys. ucheb. zav.; neft' i gaz 5 no.1:79-81 '62.

PETROLEUM—CONGRESSES

Sixth World Petroleum Congress. N. S. Nametkin, K. K. Papok. Khim. i tekh. topl. i masel 8 no.10:64-67 O '63.

PETROLEUM—REFINING

(see also subdivision under Yaroslavl Province)

Problem of optimization of the control of the refining processes. M. M. Gurbanov. Khim. i tekh. topl. i masel 8 no.10:17-18 O '63.

PETROLEUM—TRANSPORTATION

Motozov, N. P. [History of the development of transportation on the Volga (pre-revolutionary period)] Voprosy istorii razvitiia neftepereval'noi promyshl. (dorevoliutsionnyi period), uchebnoe posobie dlia studentov po kursu istorii tekhniki. Gor'kii, Gor'kovskii in-t inzhenerov vodnogo transp., 1963. 114 p. (MIRA 16:11)

PETROLEUM CHEMICALS

(see also subdivision under Bashkiria)

Doble, N. G. [Petroleum chemical technology; [illegible] of petroleum chemical synthesis. Translated from Romanian] Neftekhimicheskaia tekhnologiia; [illegible] neftekhimicheskogo sinteza. Pod red. I. N. [illegible]. Moskva, Gostoptekhizdat, 1963. 541 p.

PETROLEUM COKE

Valuable contribution to the scientific [illegible] ture on petroleum coke. Khim. i tekh. topl. i masel 8 no.9:67-68 S '63.

PETROLEUM ENGINEERING

Effect of breaks in air supply on the process of treatment of an oil-bearing bed. M. A. Ibragimov, and others. Izv. AN Azerb. SSR. Ser. fiz.-matem. i tekh. nauk no.1:109-115 '63.

Vakhitov, G. G. [Effective means for solving hydrodynamic problems in nonuniform oil and water layers by the finite difference method] Effektivnye sredstva resheniia zadach gazovoi gidrodinamiki neodnorodnykh, slozhnykh neftenosnykh plastov metodom konechnykh raznostei. Moskva, Gostoptekhizdat, 1963. 215 p.

PETROLEUM ENGINEERS—EDUCATION AND TRAINING

Study of drilling installations in petroleum [illegible] higher learning. T. M. Sadykov. Izv. vys. ucheb. zav.; neft' i gaz 5 no.1:116 '62.

PETROLEUM GEOLOGY

(see also subdivision under Aktyubinsk Province, Bashkiria, Borislav region, Caucasus, North, Glissar Range, Kara-Bogaz-Gol (Gulf) region, Mugodzhar Hills, Pendzhikent region, Siberian Platform)

Dvali, M. F. [Source beds and principles for [illegible] lification] Neftematerinskie svity i printsipy [illegible] nostiki. Leningrad, Gostoptekhizdat, 1961. [illegible] (Leningrad, Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, [illegible]

Using mass-spectrometric analysis in petroleum geology. A. M. Akramkhodzhaev, Sh. Kh. Arslanbekov, D. T. [illegible] dinov. Uzb. geol. zhur. 7 no.6:70-73 '63.

PETROLEUM INDUSTRY

(see also subdivision under Peru, Siberia, West [illegible]

Documentary materials relating to monopolies in the Russian petroleum industry. G. M. [illegible] Zhuchko. Ist. arkh. 8 no.2:217-230 Mr-Ap '[illegible]

Exchange of experience. Neftianik 8 [illegible]

For successful fulfillment of the decisions of the Congress of the CPSU. P. A. Gribkin. Izv. vys. ucheb. zav.; neft' i gaz 5 no.1:3-5 '62.

State Committee on fuel production attached to the Planning Committee of the Council of Ministers U. S. S. R. [U. A. Ovsiannikov]. Neftianik 8 [illegible] Je '63.

PETROLEUM INDUSTRY—ACCIDENTS see also subdivision under Al'met'yevsk

PETROLEUM INDUSTRY—ACCOUNTING

Role of the quality of oil in estimating the economic effectiveness of new methods and equipment in petroleum production. V. A. Dugrov. Izv. vys. ucheb. zav.; neft' i gaz 5 no.1:90-104 '62.

PETROLEUM INDUSTRY—BIBLIOGRAPHY see Bibliography—Petroleum industry

PETROLEUM INDUSTRY—FIRES AND FIRE PREVENTION (see also subdivision under Odessa)

Petroleum tank farms must be under unconditional protection. G. Savel'ev. Pozh. delo 7 no.7:6 Jl '61.

PETROLEUM PIPELINES

Protective coatings preventing paraffin deposit on internal surfaces of petroleum pipes. I. A. [illegible] M. I. Finkel'shtein. Lakokras. mat. i ikh primen. 4 40-44 '62.

Time when the zone of mixing approached in [illegible] transportation of petroleum and petroleum products. G. V. Zakirov, V. S. Iablonskii. Izv. vys. ucheb. zav.; neft' i gaz 5 no.1:65-71 '62.

PETROLEUM PIPELINES—MAINTENANCE AND REPAIR

Prevention of paraffin "thrombosis." R. Abdullin. [illegible] mol. 31 no.8:32 '63.

TROLEUM PRODUCTION
ragimo, M. I. [Creative search] Tvorcheskie poiski. Iuzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1963 39 p. (Shkola peredovogo opyta)
[MICROFILM]

TROLEUM PRODUCTION—ELECTRONIC EQUIPMENT
ranov, V. S. [Design, installation, and operation of remote-control systems in petroleum production] Proektirovanie, montazh i ekspluatatsiia telemekhanicheskikh sistem v neftedobyche. Kuibyshev, Kuibyshevskoe knizhnoe izd-vo, 1963 151 p.

TROLEUM PRODUCTION—EQUIPMENT AND SUPPLIES
(see also subdivision under Bashkiria)
ranson, R. J. [Oil-field machinery and mechanisms] Neftepromyslovye mashiny i mekhanizmy. Moskva, Gostoptekhizdat, 1963 436 p.

TROLEUM PRODUCTS
mposition and properties of turbine distillates from Tuymazy crudes. N. G. Kalantar, V. I. Glazunov, V. S. Glazunova. Khim. i tekh. topl. i masel 8 no. 9 31-36 S '63.
vestigating the low-sulfur extract oils and the product of their thermal cracking. V. I. Zavidov, Z. V. Fedorova, N. I. Shapchenko. Khim. i tekh. topl. i masel 8 no. 9 23-27 S '63.
kovetskii, P. S. [From coal, petroleum, and gas] Iz uglia, nefti i gaza. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963 106 p. (Nauchno-populiarnaia literatura)

TROLEUM REFINERIES see subdivision under Polotsk; Saratov; Ufa

TROLEUM REFINERIES—EQUIPMENT AND SUPPLIES
ller, Z. I., IU. L. Rastorguev, and P. E. Sudakov. [Controlling, measuring, and regulating apparatus used in petroleum refining, instructions for laboratory work] Kontrol'no-izmeritel'nye i reguliruiushchie pribory v neftepererabatyvaiushchei promyshlennosti, rukovodstvo k laboratornym rabotam. Leningrad, Gostoptekhizdat, 1963 250 p.
the method of designing tube furnaces for petroleum refineries. M. S. Vigdorgauz. Khim. i tekh. topl. i masel 8 no. 10 38-42 O '63.
pes made of 1Kh3VF steel. E. B. Zalesskaia, S. I. Gol'fson. Stal' 23 no. 10 935-936 O '63.

TROLEUM WASTE
llast water from tank vessels and their qualitative and quantitative characteristics. S. I. Sitovich. Mor. flot 23 no. 9 17-19 S '63.
troleum growth promoting substance. G. A. Rzaev. Fiziol. rast. 10 no. 5 697-698 '63.

TROLEUM WORKERS see subdivision under Baku

TROLEUM WORKERS—DISEASES AND HYGIENE
enty-four-hour energy loss of workers engaged in drilling oil wells in the sea [with summary in English]. A. G. Abdulov. Vop. pit. 22 no. 1 43-47 Ja-F '63.

TROLOGY
(see also subdivision under Tyrny-Auz region)
nference of the Committee on Magmatism and Petrology. L. G. Tkachuk. Vest. AN SSSR 33 no. 10 95-96 O '63.
ecific features of the progressive epigenesis in platform areas. V. D. Shutov. Uch. zap. LGU no. 310 147-160 '62.

TROPAVLOVSK-KAMCHATSKIY REGION—SEISMOLOGY
ismic microzoning of the Petropavlovsk-Kamchatskiy area. A. V. Gorlachev and others. Trudy Inst. fiz. zem. 28. Vop. inzh. seism. no. 8 3-60 '63.

TROV, BORIS NIKOLAEVICH, 1913-
ademician B. N. Petrov; on his 50th birthday. N. A. Dabakov and others. Elektrichestvo no. 10 92 O '63.

TROV, EVGENII, 1903-1942
e screenplay is not at fault! B. Galanov. Isk. kino 33 no. 7 38 '63.

TROV, GRIGORII SEMENOVICH, 1886-1957
ankov, A. B. Grigorii Semenovich Petrov. Moskva, Izd-vo Mosk. khimiko-tekhnologicheskogo in-ta, 1959. 31 p.
[MICROFILM]

TROZAVODSK—GIFT SHOPS
embers of the Communist Youth League run this store. Godin. Sov. torg. 36 no. 8 31-32 Ag '63.

TROZAVODSK—TRACTOR INDUSTRY
e collective educates. B. Borisov. Polit. samoobr. no. 11 75-79 N '63.

CEDANUM
emical study of brimstonewort (Peucedanum morisonii Bess.). G. K. Nikonov, A. A. Ivashenko. Zhur. ob. khim. 33 no. 8 2740-2744 Ag '63.

PHAGOCYTOSIS
Change in the phagocytic activity of the leucocytes of peripheral blood in children under the influence of a tonsillectomy. N. A. Matveeva. Trudy mol. nauch. sots. MONIKI no. 1 77-81 '59.
Effect of levomycetin on the phagocytic reaction in carp. IU. D. Nechvoporenko, V. A. Kul'ishko. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 11 123-125 '62.

PHARMACISTS
(see also subdivision under Odessa Province)
Pharmacists' attestation. I. M. Gubskii. Apt. delo 12 no. 5 53-55 S-O '63.

PHARMACOGNOSY—STUDY AND TEACHING
Practice training in pharmacognosy in higher pharmaceutical educational institutes. G. N. Kadaev. Apt. delo 12 no. 5 68-70 S-O '63.
Practice work in pharmacognosy. V. G. Riabiseva. Apt. delo 12 no. 5 70-71 S-O '63.

PHARMACOLOGY
Development of research concerning an increase in the release of prepared compound medicines. A. N. Kudrin, A. K. Mel'nichenko. Apt. delo 12 no. 5 11-14 S-O '63.

PHARMACOLOGY—ABSTRACTS
[Pharmacology, Toxicology] Ref. zhur.: Farm. Toks. no. 21 N '63.

PHARMACY
Optimal standards for the turnover of merchandise, the filling of prescriptions for outpatient polyclinics and some organizational forms for drug service to the population. A. K. Mel'nichenko, IU. I. Bobovich, A. P. Kogan. Sbor. nauch. trud. TSANII 3.5-19 '62.
Review of T. I. Tol'tsman's book "Textbook on the organization of pharmaceutical service." A. M. Sidorkov and others. Apt. delo 12 no. 5 86-87 S-O '63.
Review of T. I. Tol'tsman's book "Textbook on the organization of pharmaceutical service." N. A. Kudakova. Apt. delo 12 no. 5 82-85 S-O '63.

PHARMACY—BIBLIOGRAPHY see Bibliography—Pharmacy

PHARMACY—EQUIPMENT AND SUPPLIES
Apparatus for the filtration of solutions under a vacuum. Z. I. Bul'varova. Sbor. nauch. trud. TSANII 3.65-74 '62.
Development of rubber prescriptions and a study of their influence on formalin, hydrogen peroxide solutions, ammonia and potassium permanganate. V. A. Martynova, G. K. Mel'nikova, G. A. Loginiseva. Sbor. nauch. trud. TSANII 3 94-102 '62.

PHARMACY—HANDBOOKS, MANUALS, ETC.
[Handbook on prepared drugs] Spravochnik po gotovym lekarstvennym formam. Sost. A. I. Palin, R. M. Lisitskii, R. IA. Kholshtein. Otv. red. T. P. Klimovich, A. P. Semiletova. Riga, Glav. aptechnoe upr. M-va zdravookhraneniia Latvilskoi SSR, 1962 390 p. [Cover title: Spravochnik dlia vrachei]
(DNLM)

PHARMACY—STUDY AND TEACHING
Courses for the improvement of the qualifications of pharmacists' instructors in pharmaceutical schools. E. M. Kozhinykh. Apt. delo 12 no. 5 61-66 S-O '63.
Practice work of students of a medical institute in the technology of drug preparation conducted in pharmacies. O. Tusiphaliev. Apt. delo 12 no. 5 66-67 S-O '63.
Prospects for pharmaceutical education. I. A. Murav'ev. Apt. delo 12 no. 5 3-9 S-O '63.
Role and importance of the history of pharmacy in the education and training of pharmacists. I. I. Levinshtein. Apt. delo 12 no. 5 59-63 S-O '63.

PHASE RULE AND EQUILIBRIUM
Carbide phase in R18 steel. G. A. Khasin and others. Metalloved. i term. obr. met. no. 11 40 N '63.
Changes in phase composition and the mechanism of primary slag formation during the melting of ore-fuel granules. L. Z. Khodak, T. IA. Malysheva. Trudy GI 22 79-92 '63.
Characteristics of the layer separation field in ternary transition type systems. Part 3. R. V. Mertslin, V. V. Tarasov, N. I. Nikurashina. Zhur. ob. khim. 33 no. 8 2435-2440 Ag '63.
Characteristics of the layer separation field in ternary transition type systems. Part 4. R. V. Mertslin, N. I. Nikurashina. Zhur. ob. khim. 33 no. 8 2440-2448 Ag '63.
Differential equation of the curves of multiple distributions (constancy of the relative volatility) of two components of a ternary system solution - ideal vapor. M. P. Susarev, L. S. Kudriavtseva. Zhur. prikl. khim. 36 no. 8 1717-1721 Ag '63.
Dilatometric investigation of phase transformations in high chromium steels. N. G. Shul'ga, M. F. Zamora. Izv. vys. ucheb. zav.; chern. met. 6 no. 9 156-160 '63.
Effect of intraphase hardening on hydrogen absorption in manganese austenite. P. V. Gel'd, V. A. Gol'tsov, M. M. Shtcinberg. Fiz. met. i metalloved. 16 no. 3 394-402 S '63.
Effect of temperature on the width of interphase interval of liquid phase during the nonequilibrium crystallization of solid solutions. I. I. Novikov, V. S. Zolotorevskii, I. M. Ivanova. Izv. AN SSSR Met. i gor. delo no. 5 121-125 S-O '63.
Effect of various factors on the tendency of steel towards anomalies. B. S. Natapov and others. Izv. vys. uchebn. zav., chern. met. 6 no. 8 141-150 '63.
Electron microscopy of structural transformation in the N36KhTIU alloy. V. V. Smirnova. Metalloved. i termich. obr. met. no. 11 1-8 N '63.
Extraction equilibria and the theory of nonelectrolyte solutions. V. A. Mikhailov, S. K. Kharchenko, A. G. Nazin. Trudy Kom. anal. khim. 14 76-87 '63.
Fields of coherent changes in the structure of crystal lattices during phase transformations in solids. V. I. Arkharov. Fiz. met. i metalloved. 12 no. 6 953-959 D '61.
High-temperature X-ray examination of the intermediate transformation of austenite in an iron-nickel-carbon alloy. V. V. Belovskii, V. G. Permikov, I. G. Petrosian. Izv. AN SSSR Met. i gor. delo no. 5 126-128 S-O '64.
Isothermal equilibria liquid - vapor in the system water - acetaldehyde. S. Sh. Byk, I. I. Serebrennaia, P. R. Shcherbakova. Khim. prom. no. 7 507-509 Jl '63.
Liquid - vapor equilibrium in the system acetone - chloroform - hexane at temperatures 45, 15, 55° and pressure 760 mm. Hg. L. S. Kudriavtseva, M. P. Susarev. Zhur. prikl. khim. 36 no. 8 1710-1716 Ag '63.
Mechanical properties of sodium in the field of low-temperature polymorphic transformations. I. A. Gindin and others. Fiz. met. i metalloved. 12 no. 6 846-852 D '61.
Nature of anomalies in the plasticity of two-phase brass. A. A. Presniakov, G. V. Starikova. Fiz. met. i metalloved. 12 no. 6 873-878 D '61.
Peculiarities of phase transformations in deformed iron alloys during rapid electric heating. V. N. Gridnev, V. T. Cherepin. Izv. vys. uchebn. zav., chern. met. 6 no. 9 169-173 '63.
Phase relations in the system scandium oxide - aluminum oxide. N. A. Toropov, V. A. Vasil'eva. Dokl. AN SSSR 152 no. 6 1470-1382 O '63.
Position of the hot shortness maximum in eutectic-type binary systems. I. I. Novikov, V. S. Zolotorevskii, V. F. Portnoi. Alium. splavy no. 1 111-121 '63.
X-ray microchemical investigation of the structure of martensite and austenite during the direct and inverse martensite transformation in Fe-Ni alloys. E. A. Lomakov, V. G. Gorbach, A. G. IAkhontov. Fiz. met. i metalloved. 16 no. 3 349-354 S '63.

PHENETHYLAMINE—PHYSIOLOGICAL EFFECT
Experimental analysis of the mechanism of phenamine test. E. M. Lipovetskaia. Uch. zap. ULIGB 5 109-112 '62.

PHENOL CONDENSATION PRODUCTS
Kinetics of the reaction of n-tert-butylphenol with formaldehyde in the alkali medium. S. G. Bagirkhov, M. I. Arkhipov. Plasticheskie mat. i kh., chim. no. 1 11-15 '63.
Methylol polyamide phenol resins as antifriction material. Sh. M. Bilik, G. V. Gnezdilova. Trudy TSNII MPS no. 267 70-81 '63.
Some requirements for alkylphenol-formaldehyde resins used for the vulcanization of butyl rubber. A. G. Shvarts and others. Kauch. i rez. 22 no. 10 17-18 O '63.
Terpene phenols. Part 15. Transformations of products of condensation of norbornene with phenol. L. A. Kheifits, A. L. Gol'dovskii. Zhur. ob. khim. 33 no. 10 3399-3403 O '63.

PHI

V. Separation and purification. Part 2. Purification of 2,4-dichlorophenol, 2,4,6-trichlorophenol, and their methyl ethers. L. S. Erlikh, G. G. Devyatykh, Zhur. prikl. khim., 33 no. 10 2301-2312 O '60.

Determination of hydroxyl groups in polyethers. Report no. 2. Determination of primary hydroxyl groups [with summary in English]. V. P. Zakharov, I. S. Ivanova, Zhur. analit. khimii 15 no. 5 570-574 S-O '60.

Early changes in the state of health of workers in the chief processes of phenol and acetone production. V. M. Vasil'eva, Uch. zap. Mosk. nauch.-issl. inst. sanit. i gig. no. 9 113-116 '61.

Infrared spectra and the steric effect of substituents on the oxidation inhibiting activity of sterically hindered phenols. G. S. Bayushkina, V. V. Boldyrev, Neftekhimiia 3 no. 4 541-547 Jl-Ag '63.

Preparation of alkyl aryl ethers of phenols with organochloroalkanes. E. V. Andrianova, G. V. Kim-Ho, L. M. Khananashvili, Zhur. ob. khim. 33 no. 8 2644-2648 Ag '63.

Interaction of 2,6-dinitro-4-tert-butylphenol with unsaturated ethers. L. V. Ginzburg, V. A. Shershnev, B. V. Dogadkin, Dokl. AN SSSR 152 no. 2 335-337 S '63.

Investigating the colorimetric determining of phenols in air and sewage with the use of 4-aminoantipyrin. V. I. Petrov, I. A. Shmidt-Nielsen, Izv. vuzov. Uch. zap., pishch. tekhn. no. 1 154-156 '63.

Materials for evaluating the pollution of air by wastes in the production of phenol and acetone by the cumene method. V. P. Malekhina, M. V. Frigin, Uch. zap. Mosk. nauch.-issl. inst. sanit. i gig. no. 9:25-29 '61.

Microbiological method for the dephenolization of sewage. A. N. Ankina, Uch. zap. Mosk. nauch.-issl. inst. sanit. i gig. no. 4 24-30 '60.

Phase transition of the second kind in 2, 4, 6-trinitrophenol. B. V. Ingster, G. B. Ravich, B. G. Krylov, Dokl. AN SSSR 152 no. 2 370-371 S '63.

Photocolorimetric determining of small quantities of phenol in diphenylolpropane. P. M. Bogatyrev, F. V. Kovalzhskaia, V. S. Sporykhina, Zakhras. mat. i likh. prom. no. 4 51-52 '62.

Principal problems of hygiene in the production of phenol and acetone by the cumene method. M. I. Fengaus, Uch. zap. Mosk. nauch.-issl. inst. sanit. i gig. no. 9:5-12 '61.

Quantitative determination of impurities in diphenylol propane by paper chromatography [with summary in English]. V. S. Galova, L. V. Virogradova, Zhur. analit. khim. 18 no. 9 1122-1130 S '63.

Sanitary conditions for discharging sewage from phenol and acetone production into open waters. R. D. Smirnova, S. O. Zamyslova, G. P. Zarubin, Uch. zap. Mosk. nauch.-issl. inst. sanit. i gig. no. 9:30-33 '61.

Specificity and comparative characteristics of phenol-oxidizing bacteria obtained from sewers and reservoirs. A. I. Binskaia, L. P. Ponomareva, Uch. zap. Mosk. nauch.-issl. inst. sanit. i gig. no. 4 37-41 '60.

Terpene phenols. Part 13. Condensation products of dihydrodicyclopentadiene with phenol. L. A. Kheifits, S. I. Virezub, Zhur. ob. khim. 33 no. 8 2751-2755 Ag '63.

Terpene phenols. Part 14. Isobornylphenols and products of their transformation. G. I. Moldobaeva and others, Zhur. ob. khim. 33 no. 10 3392-3398 O '63.

PHENOLS—TESTING

Studying the anticorrosive and antiscale properties of phenol waters of the Yenakiyevo Coke and Coal Chemicals Plant. N. G. Chen, B. I. Goldshtein, M. A. Ionina, Koks i khim., no. 10 46-49 '63.

PHENYLENEDIAMINE

Schiff bases, derivatives of N, N-diethyl-p-phenylenediamine. R. B. Zhurin, D. I. Rodicheva, B. A. Chartorizhsk. Zhur. ob. khim. 33 no. 10 3360-3364 O '63.

PHENYLPYRUVIC OLIGOPHRENIA

Etiology of phenylpyruvic oligophrenia. B. N. Klosovskii and others. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 41 '61.

PHEROMONES

Chemical language of ants. K. V. Massaev, Priroda 52 no. 9 107-110 '63.

PHILOLOGY

Urgent tasks of Soviet philology. Izv. AN SSSR. Ser. lit. i iaz. 22 no. 5:369-372 S-O '63.

PHILOSOPHY

In the Philosophy Faculty. A. Droban, Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 4 92-93 Jl-Ag '63.

PHILOSOPHY—BIBLIOGRAPHY see Bibliography—Philosophy

PHILOSOPHY—DICTIONARIES

Rozental', M. M., and P. F. Yudin, eds. [Philosophical dictionary] Filosofskii slovar'. Moskva, Politizdat, 1963. 544 p.

PHILOSOPHY, GERMAN

German humanistic philosophers on war and eternal peace. V. D. Lazurenko, Sov. gos. i pravo 33 no. 10. 142-146 O '63.

PHILOSOPHY, HUNGARIAN

Anti-Darwinism and socio-Darwinism in the service of Hungarian reactionaries, the late 19th and the early 20th century. Lazlo Kovacs, Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 5 63-73 S-O '63.

PHLEGMON

Etiopathogenic therapy of phlegmon in horses. A. G. Kakuima, O. G. Tikhonova, M. P. Riazanskii, Trudy Ul'ian. sel'khoz. inst. 8 no. 2:51-57 '61.

PHOSPHATASES

Phosphatase activity in the soils of sugar beet areas. I. A. Geller, K. M. Dobrotvorskaia, Trudy Inst. mikrobiol. no. 11 215-221 '61.

PHOSPHATE COATING

Phosphate coating of metal for cold upsetting. B. R. Kartak, Kuz.-shtam. proizv. 5 no. 10 40-41 O '63.

PHOSPHATES

Adaptive variations in lactic phosphatases and the mammary glands in cows. V. V. Koval'skii, I. A. Shumkova, Dokl. AN SSSR 152 no. 6 1467-1470 O '63.

Phosphatic materials are the most effective class of fertilizers. A. Smirnov, Kommunist 40 no. 17. 93-96 N '63.

Vibrating conveyors for intrashop transportation of phosphate raw materials. V. K. D'iachkov, Khim. prom. no. 7 545-549 Jl '63.

PHOSPHINE

Realkylation of bis- and tris (β-cyanoethyl) phosphines. E. V. Kuznetsov, T. V. Sorokina, R. K. Valetdinov, Zhur. ob. khim. 33 no. 8 2631-2631 Ag '63.

PHOSPHINIC ACID

Interaction of ketene with esters of α-hydroxy- and α-aminophosphinic acids. A. N. Pudovik, I. P. Gozman, V. I. Nikitina, Zhur. ob. khim. 33 no. 10 3201-3205 O '63.

Phosphinic acid esters with diacetylene radicals. B. I. Ionin, V. B. Lebedev, A. A. Petrov, Dokl. AN SSSR 152 no. 6 1351-1356 O '63.

Reactions of dialkylphosphinic acid esters with trialkyl tin halides. A. N. Pudovik, A. A. Muratova, E. P. Semkina, Zhur. ob. khim. 33 no. 10. 3350-3353 O '63.

Reactions of nucleophilic reagents with vinylphosphinic and acetoxyvinylphosphinic acid esters. A. N. Pudovik, R. G. Kuzovleva, Zhur. ob. khim. 33 no. 8. 2755-2760 Ag '63.

Reactions of the diene synthesis and addition of butadienephosphinic and butadienethiophosphinic esters. A. N. Pudovik, I. V. Konovalova, E. A. Ishmaeva. Zhur. ob. khim. 33 no. 8 2509-2513 Ag '63.

Synthesis of dialkyl esters of alkylphosphinic acids and testing of their extractive properties. O. N. Grishina and others. Trudy Kom. analit. khim. 14 312-322 '63.

Transformations of allylphosphinic esters in the presence of sodium ethylate. A. N. Pudovik, I. V. Konovalova. Zhur. ob. khim. 33 no. 10. 3442-3443 O '63.

PHOSPHINOTHIOIC ACID

Reactions of the diene synthesis and addition of butadienephosphinic and butadienethiophosphinic esters. A. N. Pudovik, I. V. Konovalova, E. A. Ishmaeva. Zhur. ob. khim. 33 no. 8. 2509-2513 Ag '63.

PHOSPHITES

Synthesis and rearrangement of diethylpropargyl phosphite. A. N. Pudovik, I. M. Aladzheva, L. N. IAkovenko, Zhur. ob. khim. 33 no. 10 3443-3444 O '63.

PHOSPHORAMIDIC ACID—SPECTRA

Ultraviolet and infrared spectra of diesters of acylthioamidophosphoric and acylamidophosphoric acids and their derivatives. V. A. Shokol, G. I. Derkach, A. A. Kisilenko. Zhur. ob. khim. 33 no. 8:2660-2667 Ag '63.

PHOSPHORAMIDOTHIOIC ACID—SPECTRA

Ultraviolet and infrared spectra of diesters of acylthioamidophosphoric and acylamidophosphoric acids and their derivatives. V. A. Shokol, G. I. Derkach, A. A. Kisilenko. Zhur. ob. khim. 33 no. 8:2660-2667 Ag '63.

PHOSPHORIC ACID

Equilibrium distribution of components in the systems H_3PO_4 - HCl - $CaCl_2$ - H_2O - isoamyl alcohol and H_3PO_4 - HCl - $CaCl_2$ - H_2O - n-butyl alcohol. I. A. Sabaev, I. N. Shokin, S. A. Krasheninnikov, Zhur. prikl. khim. 36 no. 8. 1702-1710 Ag '63.

Synthesis of some phosphoric alkyl ester salts. L. V. Budaragina, Z. E. Veigant, A. V. Emel'ianova, Shor. stud. rab. MTIMMP no. 7 44-46 '62.

PHOSPHORITES

Effect of micro-organisms on the solubility of meal and the assimilation of it by plants. I. G. Tomashevskaia, V. D. Muromtsev, Izv. vuzov. Lesn. zhur. no. 1. 260-268 '61.

Rare radioactive elements in phosphorite deposits. Trudy IMGRE no. 17 171-180 '61.

PHOSPHORODITHIOIC ACID

Organic insecticides. Part 20. Preparation of thiol isomerization of some esters of [illegible] and phosphorodithioic acids on their reaction with amines. N. N. Mel'nikov, B. A. Ershov, Shilovskaia, Zhur. ob. khim. [illegible] '63.

PHOSPHOROTHIOUS ACID

Reactions of sodium diethyl thiophosphite with compounds. A. N. Pudovik, R. I. [illegible] galova, Zhur. ob. khim. [illegible]

PHOSPHOROUS ACID

Action of alkyl aryl phosphites as antifatigue agents in the butadiene-styrene rubber vulcanizate. [illegible] nova, G. A. Kirpichnikov, L. I. [illegible] 29 no. 10:14-16 O '63.

PHOSPHORS

Electroluminescent sublimated films of ZnS-Cu, Mn. V. L. Bakumenko, [illegible] Favorin. Opt. i spektr. 15 no. [illegible]

PHOSPHORS—SPECTRA

Causes of the difference between the half absorption and emission bands of [illegible] N. N. Kristoff and others. Opt. i spektr. 568-572 O '63.

PHOSPHORUS see subdivision under African Guiana; Switzerland

PHOSPHORUS ACIDS

New method of synthesizing phosphinic acid esters. Part 10. Addition of [illegible] phosphites, phenylphosphine to aldehydes and reagents containing one or two double bonds. A. N. Pudovik, M. A. Pudovik, Zhur. ob. [illegible] 3353-3358 O '63.

Reactions of 1, 1-difluoropolyfluoroalkanesulfochlorides with phosphorus acid derivatives. A. V. [illegible] Studnev, A. A. Sklabinev, Zhur. ob. [illegible] 3366-3369 O '63.

PHOSPHORUS BACTERIA see Bacteria, P[illegible]

PHOSPHORUS COMPOUNDS

Decomposition of phosphorus compounds, [illegible] able to plants, by silicate bacteria. [illegible] Trudy Inst. mikrobiol. no. 11 [illegible]

Decomposition of sparingly soluble phosphates by bacteria from the genus Pseudomonas. Trudy Inst. mikrobiol. no. 11 [illegible]

PHOSPHORUS ISOTOPES

P^{32} accumulation in various components of water. D. Z. Gak. Radiobiologiia [illegible]

Penetration of radioactive phosphorus into cerebrospinal fluid in case of intranasal [illegible] mucosa of the nose in patients with schizophrenia and other mental diseases [with summary in English]. Malzella, Zhur. nevr. i psikh. 62 no. [illegible] '62.

PHOSPHORUS METABOLISM

Transformation of phosphorus compounds [illegible] the influence of high temperatures. V. [illegible] K. P. Volgina, M. P. Andrianova, Izv. [illegible] Ser. biol.-med. nauk no. 2:44-50 '63.

PHOSPHORUS ORGANIC COMPOUNDS

Dissociation of chlorophosphonazo III of (2-phosphonobenzolazo-(1, 8-dihydroxynaphthalene-3, 6-disulfonic acid). V. I. Fadeeva, I. P. [illegible] Ivanov, Vest. Mosk. un. Ser. 2 Khim. [illegible] S-O '63.

Mineralization of phosphorus organic compounds by rhizosphere and soil bacteria. A. N. [illegible] Inst. mikrobiol. no. 11:223-232 '61.

N-dichlorophosphinylalkanaminosulfonic [illegible] E. S. Levchenko, I. L. Sheinkman, A. V. [illegible] ob. khim. 33 no. 10:3315-3323 O '63.

Reactions of carbethoxycarbene with [illegible] phosphorus compounds. A. N. Pudovik, R. [illegible] Zhur. ob. khim. 33 no. 10:3441-3442 [illegible]

Synthesis of di- (2-ethylhexyl) phosphate [illegible] (2-ethylhexyl) phosphate. K. A. Petrov, [illegible] B. IA. Libman, Zhur. prikl. khim. 36 [illegible] Ag '63.

PHOSPHORYLATION

Activity of photosynthetic phosphorylation. [illegible] N. M. Sisakian, Dokl. AN SSSR 152 no. [illegible] '63.

PHOSPHOTUNGSTIC ACIDS

Structure of the calcination products of some salts of 12-phosphotungstic acid. A. A. Babad-Zakhlapin. Zhur. strukt. khim. 4 no. 5:724-727 S-O '63

PHOTOCHEMISTRY

Electron mechanism underlying deviations from the law of reciprocal substitution in silver halide crystals. V. M. Fridkin, V. I. Bugrienko. Dokl. AN SSSR 152 no. 6:1346-1349 O '63.

Photochemical decomposition of alcohols at low temperatures. Kinetics of methyl alcohol decomposition. B. N. Shelimov, N. V. Fok, V. V. Voevodskii. Kin. i kat. 4 no. 4 539-548 Jl-Ag '63.

Photochemical oxidation of chlorophyll a in frozen solutions. I. I. Dilung, V. E. Karpitskaia. Dokl. AN SSSR 152 no. 2 367-369 S '63.

Problem of the polydispersion of some photochemically degraded celluloses. G. N. Rozmarin, Ki. Simionescu. Zhur. prikl. khim. 36 no. 8 1808 Ag '63.

Role of the triplet state of aromatic amines in the photochemical reaction of dehydrogenation of alcohols at 77°K. V. E. Kholmogorov, E. V. Baranov, A. N. Terenin. Dokl. AN SSSR 152 no. 6 1399-1402 O '63.

Spectra and photochemistry of alcohol solutions of trivalent iron salts. Part 2. Photoreduction of iron (III) salts in alcohols. A. I. Kriukov, L. V. Nazarova, B. IA Dain. Ukr. khim. zhur. 29 no. 8 812-819 '63

Two-quantum photochemical reaction. Photolysis of a frozen solution of diphenylamine in ethyl alcohol. Kh. S. Bagdasar'ian, V. I. Muromtsev, Z. A. Sinitsyna. Dokl. AN SSSR 152 no. 2:349-351 S '63

PHOTOCOLORIMETERS see Colorimeters

PHOTOCOPYING PROCESSES

Kazachkov, D. L. [Mechanization of the preparation and copying processes of technical documentation] Mekhanizatsiia izgotovleniia i razmnozhenia tekhnicheskoi dokumentatsii. Leningrad, 1963. 34 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Mekhanizatsiia inzhenernogo i upravlencheskogo truda, no 2)

PHOTOELECTRIC CELLS

Light characteristics of selenium photocells with intermittent illumination. V. A. Gavanin, Svetotekhnika 9 no. 10:23-26 O '63.

Selenium photocells with corrected spectral sensitivity. V. I. Lukin, G. S. Petrova. Svetotekhnika 9 no. 10 32 O '63

PHOTOELECTRIC MEASUREMENTS

Program controller with a photoelectric follow-up. A. M. Abramovich. Priborostroenie no. 10, 28-29 O '63.

PHOTOELECTRICITY

Non-threshold internal photoeffect in metals with intersecting bands [with summary in English]. M. I. Kaganov, I. M. Lifshits. Zhur. eksp. i teor. fiz. 45 no. 4 948-954 O '63

Selenium photoelements with saturation current. G. B. Abdullaev and others. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekh. nauk no. 3:77-83 '63.

PHOTOENGRAVING

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut poligraficheskoi promyshlennosti. [Technological instructions for photoengraving processes] Tekhnologicheskie instruktsii po fotomekhanicheskim protsessam. Moskva, Izd-vo "Iskusstvo," 1963. 223 p.

PHOTOGRAMMETRY

Academician A. N. Krylov's works on photogrammetry. A. V. Tsarev, N. V. Khokhlovskii. Mos. sbor. 47 no. 11:77-80 N '63.

PHOTOGRAPHIC CHEMICALS

News in photographic chemistry. D. Starodub. Nauka i zhyttia 12 no. 3:83 Mr '63.

PHOTOGRAPHIC INTERPRETATION (MILITARY SCIENCE)

Use of aerial photographs in engineer reconnaissance. F. IAsin. Voen. vest. 41 no. 11:93-97 N '61.

PHOTOGRAPHIC LENSES see Lenses, Photographic

PHOTOGRAPHIC OPTICS

Anamorphotic filming units and attachment lenses. F. S. Novik, M. M. Shcheglov. Tekh. kino i telev. 6 no. 3: 78-82 Mr '62.

PHOTOGRAPHIC SENSITOMETRY

Determining the light sensitivity of black-and-white reversal films. B. N. Modestov. Tekh. kino i telev. 6 no. 3:49-55 Mr '62.

PHOTOGRAPHY

Basis of the "Valvar" system of photography. R. T. Nicsai. [Translated from the English]. NTI no. 5: 33-37 '63.

PHOTOGRAPHY—DEVELOPING AND DEVELOPERS

Improving the performance of the proportioning devices of developing machines. IA. I. Beliaev. Tekh. kino i telev. 6 no. 8:70 Ag '62.

PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

[Photographic and motion-picture equipment] Ref. zhur. Fotokinotekh. no. 12 D '63.

PHOTOGRAPHY—EXHIBITIONS

Moscow. Vsesoiuznaia vystavka khudozhestvennoi fotografii, 1960. Dni i liudi. Times and people. Moskva, Iskusstvo, 1962. 1 v. chiefly illus. [Cover title Semiletka v deistvii]
(MH)

PHOTOGRAPHY—FILMS

Comparison study of the resolving power and graininess of black-and-white films processed with either conventional methods or coating with a developing solution. N. G. Maslenkova, N. I. Kirillov. Tekh. kino i telev. 6 no. 8 36-40 Ag '63

PHOTOGRAPHY, PARTICLE TRACK

Transverse momentum of charged Σ-hyperons generated by 9 Bev protons in a photographic emulsion. N. I. Kostanashvili and others. Soob. AN Gruz. SSR 30 no. 5, 553-557 My '63

PHOTOMAGNETIC EFFECT

Photomagnetic effect in InSb at low temperatures. D. N. Nasledov, IU. G. Popov. Fiz. tver. tela 5 no. 10:3031-3033 O '63.

PHOTOMETERS

Photoelectric self-recording photometer of day airglow and the indicatrix of scattered light in the earth's atmosphere including small angles of dispersion [with summary in English]. E. E. Pavlov. Trudy Astrofiz. inst. AN Kazakh. SSR 3:62-65 '62.

PHOTOMETRY

Extraction in photometric analysis. A. K. Babko, F. G. Zharovskii. Trudy Kom. anal. khim. 14:218-270 '63.

Extraction-photometric method for determining the sum of heavy metals by means of sodium diethyldithiocarbamate [with summary in English]. A. B. Blank, N. I. Sizonenko, A. M. Bulgakova. Zhur. anal. khim. 18 no. 9: 1046-1050 S '63.

Photometric determination of gallium in the presence of oxalate ions by means of 1-(2-pyridylazo)-resorcinol. E. P. Tsintsevich, V. M. Ivanov, V. A. Tsabel'. Vest. Mosk. un. Ser. 2 Khim. 18 no. 5 54-56 S-O '63

Photometric determination of magnesium in raw materials and clinkers. I. V. Bogdanova. TSement 29 no. 4: 11-13 Jl-Ag '63.

Photometric determination of palladium [with summary in English]. T. F. Frantsevich-Zabludovskaia, L. P. Kalinanova, G. I. Sharafan. Zhur. anal. khim. 18 no. 9: 1083-1089 S '63.

Photometric determination of the deposition of sulfur (S^{35}) of organic and inorganic compounds in the organs and tissues of animals. V. S. Lukarev, A. L. Paducheva. Trudy VIZH 24 380-391 '62.

Photometric investigation of lateral vibrations of a tractor train. N. A. Vrlatyshev. Avt. prom. 29 no. 8:16-18 Ag '63.

Photometric method for determining peroxides in tetrahydrofuran [with summary in English]. A. P. Zozulia, E. V. Novikova. Zhur. anal. khim. 18 no. 9:1105-1108 S '63.

Using the method of flame photometry to determine the NaCl content of petroleum. M. I. Bogomolova, A. A. Perfil'eva. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 1: 79-81 '62.

PHOTOMETRY, ASTRONOMICAL

Brightness distribution over the daytime cloudless sky in the ultraviolet spectral region [with summary in English]. G. K. Kolomiets. Trudy Astrofiz. inst. AN Kazakh. SSR 4:80-84 '63.

PHOTOMICROGRAPHY

Formation and melting of gutta-percha crystals as observed under a microscope [with summary in English]. G. E. Novikova. Vest. LGU 18 no. 16:69-76 '63.

PHOTOPERIODISM

Effect of photoperiodism on the change in the amino acid composition of the isolated leaves of perilla. V. O. Kazarian, K. A. Karapetian. Dokl. AN Arm. SSR 36 no. 4:233-236 '63.

PHOTOSYNTHESIS

Activity of photosynthetic phosphorylation. R. M. Bokina, N. M. Sisakian. Dokl. AN SSSR 152 no. 2:467-470 S '63.

Effect of manganese, cobalt, and zinc on the intensity of photosynthesis and chlorophyll accumulation in the leaves of tomatoes and cabbage. B. A. IAgodin. Nauch. dokl. vys. shkoly, biol. nauki no. 4:146-151 '63.

Stimulation of photosynthesis and the Hill reaction in the leaves of corn grown from seeds treated with simazine and atrazine. S. M. Mashtakov, R. A. Prokhorchik. Dokl. AN BSSR 7 no. 10:700-703 O '63.

PHOTOTELEGRAPHY

Organization of local municipal phototelegraphy communications. S. O. Mel'nik. Vest. sviazi 23 no. 8 10-12 Ag '63.

PHTHALAN

Hydroxydihydrofurans. Part 11. 3,3-dimethyl-1-methylacetylenyl-1-hydroxyphthalan. Zhur. ob. khim. 33 no. 8 2548-2552 Ag '63

PHTHALIC ACID

Condensation of hexachlorocyclopentadiene with diallyl phthalate. IU. G. Mamedaliev, Magerram Mamedov, I. M. Akhmedov. Dokl. AN Azerb. SSR 18 no. 12 29-32 '62

PHTHALIC ANHYDRIDE

Analytical separation of a mixture of substances obtained in the catalytic oxidation of naphthalene. N. A. Stukanovskaia, G. I. Golodets, P. B. Rzaev. Ukr. khim. zhur. 29 no. 8 827-828 '63.

Production of phthalic anhydride by oxidation of the extract of a low-viscosity oil distillate. B. I. Golovanenko, A. Kh. Sharipov, N. V. Ivanova. Khim. i tekh. topl. i masel 8 no. 10 9-13 O '63.

PHTHIVAZIDE

Treatment of tuberculous eye diseases with streptomycin and phthivazide in combination with tissue therapy. T. P. Filippova. Uch. zap. UEIGB 5 185-189 '62.

PHYSICAL EDUCATION AND TRAINING

Functional asymmetry of legs. E. P. Il'in. Teor. i prak. fiz. kul't. 26 no. 1 22-25 Ja '63.

Functional state of the motor analyzer and of the cardiovascular system as an indication of the degree of physical training of juveniles and as a basis for setting up the pattern for the first year of industrial education. S. I. Krapivintseva and others. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 33-36 '59

Interrelation between physical education and workload for juvenile workers. G. Glivitskii. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 41-45 '59.

Isaev, P. O. [Bibliography of Soviet literature on problems of the physical development and physical education of children and adults] Bibliografiia Otechestvennoi literatury po voprosam fizicheskogo razvitiia i fizicheskogo vospitaniia detskogo i vzroslogo naseleniia. Alma-Ata, M-vo zdravookhraneniia Kazakhskoi SSR 1957. 153 p.
(MH)

Training plus techniques. A. Treshchev. Pozh. delo 7 no. 7:20-21 Jl '61.

Unified program for physical education. N. I. Afanas'ev, P. E. Bol'shev. Teor. i prak. fiz. kul't. 26 no. 1:53-56 Ja '63.

Working on physical education with employed students. V. F. Lutsik. Vest. vys. shkoly 21 no. 10 34-35 O '63.

PHYSICAL EDUCATION AND TRAINING—BIBLIOGRAPHY see Bibliography—Physical education and training

PHYSICAL EDUCATION FOR CHILDREN

Change in the basic movements of children during the summer period. N. Bushanskaia. Doshk. vosp. 36 no. 10:55-58 O '63.

Effect of systematic physical education on the mental ability of school children. R. V. Sila. Teor. i prak. fiz. kul't. 26 no. 1:49-52 Ja '63.

Physical education and sports days. S. Groshenkov. Shkola i int. no. 5, 64-65 S-O '63.

PHYSICAL EDUCATION FOR WOMEN

Good posture. Rab. i sial. 39 no. 8, 23 S '63.

PHYSICAL GEOGRAPHY
(see also subdivision under Bennet Island; Imeretiya, Racha-Lechkhumi; Smolensk Province; Stavropol Plateau; Zeravshan Valley)

Gravity field and subglacial relief of the central part of eastern Antarctica. G. E. Lazarev, S. A. Ushakov. Dokl. AN SSSR 152 no. 2:400-403 S '63.

Man of communism, nature, and science. I. Zabelin. Nov. mir 39 no. 1, 160-184 Ja '63.

Physical geography and its position in the system of sciences of the earth. I. P. Gerasimov and others. Vest. AN SSSR 33 no. 10:24-28 O '63.

Place of physical geography among other nature sciences. IU. K. Efremov. Vest. Mosk. un. Ser 5: Geog. 18 no. 6: 3-8 N-D '63.

Significance of heat and cold advection in the formation of natural zones. S. I. Zhukov. Vest. Mosk. un. Ser. 5: Geog. 18 no. 5:71-72 S-O '63.

Zabelin, I. M. [Physical geography and the science of the future] Fizicheskaia geografiia i nauka budushchego. Moskva, Geografgiz, 1963. 111 p.

PHYSICAL GEOGRAPHY—MAPS

Zonal regularities and the legend for a map of the earth's landform types. E. N. Lukashova. Vest. Mosk. un. Ser 5: Geog. 18 no. 6:9-16 N-D '63.

PHYSICAL THERAPY
(see also subdivision under Czechoslovakia; White Russia)

Standards of physiotherapeutic service for the urban population at the existing level of the general incidence of disease and hospitalization. T. A. Korol'kova. Zdrav. Ros. Feder. 7 no. 10:12-17 O '63.

PHYSICAL THERAPY (Continued)

Use of physiotherapy in some cardiovascular diseases. V. I. Goldblat. Vop. kur., fizioter. i lech. fiz. kult. 27 no. 4 350-357 Jl-Ag '62.

PHYSICALLY HANDICAPPED see subdivision under Ufa

PHYSICALLY HANDICAPPED—EMPLOYMENT

Sharing our experience. K. Zaria. Sots. obesp. 24 no. 8 22-23 Ag '63.

PHYSICALLY HANDICAPPED—REHABILITATION
(see also subdivision under Voronezh)

Every student is valuable. A. Litvinov. Sots. obesp. 24 no. 10 39-40 O '63.

From the Board of the Ministry. Sots. obesp. 21 no. 8 48-49 Ag '63.

Warmth of kind hearts. O. Knorring. Ogonek 41 no. 36 18-19 S '63.

PHYSICIANS—BIOGRAPHY

Popovskii, A. D. [Laws of life] Zakony zhizni. Moskva, Sovetskii pisatel', 1963. 881 p. (NN)

PHYSICISTS

Interesting recollections. N. B. Semikhatova. Priroda 52 no. 9 123 '63.

PHYSICS

Landau, L. D., and A. I. Kitaigorodskii. [Physics for all motion, heat] Fizika dlia vsekh, dvizhenie, teplota. Moskva, Fizmatgiz, 1963. 390 p.

Pokrovskii, G. I., and L. I. Slabkii. [Physics in technology] Fizika v tekhnike. Moskva, Voenizdat, 1963. 83 p. (Nauchno-populiarnaia biblioteka voennogo izdatel'stva)

PHYSICS—ABSTRACTING AND INDEXING

Development of captions in informational publications as exemplified by the cumulative volume of the abstract journal "Fizika." I. A. Gorfman. NTI no. 2 12-13 '63.

PHYSICS—ABSTRACTS

[Physics] Ref. zhur.: Fiz. no. 11 N '63.

PHYSICS—BIBLIOGRAPHY see Bibliography—Physics

PHYSICS—CONGRESSES

Intercollegiate Conference on the History of the Physical and Mathematical Sciences. I. K. Andronov, P. B. Bychkov. Mat. v shkole no. 5, 85-86 S-O '63.

PHYSICS—HISTORY
(see also subdivision under Moscow)

Development of the theory of the generation of wind waves at the end of the 19th and in the first half of the 20th century. G. E. Kononkova. Ist. i metod. est. nauk no. 2:209-227 '63.

PHYSICS—PHILOSOPHY

From Galileo to Einstein. U. I. Frankfurt. Priroda 52 no. 9:118-119 '63.

The probability category and modern "physical idealism." G. A. Gevorkian. Izv. AN Arm. SSR. Obshchestv. nauki no. 9:3-16 S '63.

PHYSICS—RESEARCH see subdivision under Moscow

PHYSICS—STUDY AND TEACHING

Development of the dialectical materialistic viewpoint in physics lessons. S. U. Honcharenko. Rad. shk. 42 no. 10:18-23 O '63.

Practical work on physics at a plant. H. F. Bushok, T. T. Dudchenok. Rad. shk. 42 no. 10:104-107 O '63.

[illegible]

Technological Conference of Teachers of Physics, Methodology of Physics, and General Technical Subjects in the Pedagogical Institutes of Siberia and the Ural Mountain Region] Tezisy dokladov. Novosibirsk, Novosibirskii gos. pedagog. in-t, 1962. 167 p.

PHYSIOLOGICAL OXIDATION see Oxidation, Physiological

PHYSIOLOGY—RESEARCH

Correlative analysis of physiological processes. L. N. Mishin. Prim. mat. metod. v biol. no. 2:94-99 '63.

PHYSIOLOGY—STUDY AND TEACHING

Kozyr', I. V. [Methods of teaching human anatomy and physiology] Metodika prepodavaniia anatomii i fiziologii cheloveka. Izd. 2., perer. i dop. Moskva, Uchpedgiz, 1960. 286 p. (CLU)

PHYSIOLOGY, COMPARATIVE

Functional evolution of the nonspecific thalamo-cortical system [with summary in English]. A. I. Karamian, M. G. Belekhova. Zhur. vys. nerv. deiat. 13 no. 5:904-916 S-O '63.

PHYSIOLOGY, PATHOLOGICAL

Changes in the water content in brain tissue during pharmacologically induced sleep, a spastic attack and suffocation. T. P. Zhukova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:17-19 '61.

PHYTOGEOGRAPHY
(see also subdivision under Lena Valley)

"Fundamentals of the study of the ranges of plants, introduction to the chorology of plants" by A. I. Tolmachev. Reviewed by P. L. Gorchakovskii. Bot. zhur. 48 no. 9:1398-1400 S '63.

Some principles of the distribution of the flora by plant communities. K. V. Kiseleva, S. M. Razumovskii. Bot. zhur. 48 no. 9:1373-1380 S '63.

PHYTOGEOGRAPHY—MAPS

[Geobotanical mapping] Geobotanicheskoe kartografirovanie 1963. Moskva, Izd-vo Akad. nauk SSSR, 1963. 69 p.

PHYTONCIDES

Effect of volatile fractions of the phytoncides of garlic on the respiration of isolated tissues. N. I. Shpak. Uch. zap. UEIGB 5:329-332 '62.

PHYTOPHTHORA

Toxicity of chlorogenic acid and its derivatives, caffeic and quinic acids, with respect to the fungus Phytophthora infestans [with summary in English]. V. P. Sokolova. Izv. AN SSSR, Ser. biol. 28 no. 5:707-718 S-O '63.

PHYTOPLANKTON
(see also subdivision under Amur River, Pacific Ocean, Ural Mountain region)

Materials on the ecology of Phaeocystis Pouchetii (Hariot) Lagerheim, 1893 (Chrysophyceae). N. I. Kashkin. Okeanologiia 3 no. 4:697-705 '63.

PHYTOSOCIOLOGICAL RESEARCH

Analysis of self-regulation phenomena in the phytocenosis as related to some theories of cybernetics. V. D. Aleksandrova. Prim. mat. metod. v biol. no. 2:37-46 '63.

PIA MATER—WOUNDS AND INJURIES

Changes in the nerve cells of the pia mater of the spinal cord in closed injuries. D. G. German. Zdravookhranenie 6 no. 3:37-40 My-Je '63.

PIANO MUSIC

Blagoi, D. D. [Skriabin's Etudes] Etiudy Skriabina. Moskva, Muzgiz, 1963. 62 p. (Biblioteka slushatelia konsertov)

PICOLINE

Isotopic exchange of hydrogen in methyl derivatives of nitrogen heterocycles and their oxides. Part 1. α-picoline, quinaldine, and their N-oxide. N. N. Zatsepina, I. F. Tupitsyn, L. S. Efros. Zhur. ob. khim. 33 no. 8:2705-2712 Ag '63.

PICROLONIC ACID

Photometric determination of bivalent tin with picrolonic acid [with summary in English]. A. Aleksandrov, P. Vasil'eva-Aleksandrova. Zhur. anal. khim. 18 no. 7:804-806 Jl '63.

PIERS see subdivision under Guanabara Bay

PIGMENTS
(see also subdivision under United States)

All-Union conference on pigments for the paint industry. A. A. Belovitskii, P. V. Serb-Serbin, D. IA. Gershman. Lakokras. mat. i ikh prim. no. 4:1-5 '62.

Complexometric determining of iron in iron-containing pigments. V. A. Malevannyi. Lakokras. mat. i ikh prim. no. 5:48-50 '63.

Continuous production of synthetic mineral pigments. V. A. Berezin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10:8-13 '63.

Nature of titanyl sulfate solutions. N. B. Lekakh, I. S. Galinker. Lakokras. mat. i ikh prim. no. 5:24-26 '63.

Qualitative composition of the plastid pigment complex of the green embryos in horse beans. G. IA. Zhukova. Bot. zhur. 48 no. 9:1380-1382 S '63.

Stabilization of TiO_2 suspensions in sedimentation analysis. IU. D. Dolmatov. Lakokras. mat. i ikh prim. no. 5:45-48 '63.

Stability of titanium dioxide nuclei sols prepared from titanium tetrachloride. P. I. Medvedev. Lakokras. mat. i ikh prim. no. 4:38-39 '62.

PIGMENTS—TESTING

Investigating the wettability of pigments by the method of determining the rate of their impregnation with linseed oil. V. M. Zeltyn, A. N. Shikanov, N. N. TSirupa. Lakokras. mat. i ikh prim. no. 4:35-37 '62.

PIKE

Determination of sex in pike. I. T. Demchenko. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14:110-112 '62.

PILING (CIVIL ENGINEERING)

Use of drilled piles with an enlarged base. A. V. Moiseev. Transp. stroi. 12 no. 3:18-19 Mr '62.

PILOTS AND PILOTAGE

Suggestions on the organization of [illegible]. A. Matiasevich. Mor. flot [illegible]

PINE
(see also subdivision under Altai Mountains, Lena Valley, Krasnoyarsk Territory)

Importance of individual [illegible] in the development of pine and [illegible] makhanova. Trudy Inst. mikrob. [illegible]

Veneer from pine. R. A. Tsvetkova, R. [illegible] prom. 12 no. 8:21-23 Ag '63.

PINE—DISEASES AND PESTS see subdivision under Lithuanian Lytsh Valley

PINEAL BODY—TUMORS

"Tumors of the pineal gland" by A. P. [illegible] Lepugov. Zhur. nevr. i psikh. [illegible]

PINNIPEDIA, FOSSIL see subdivision under [illegible] Western

PIONEERS (COMMUNIST YOUTH)

Change from childhood. I. Kornetova, [illegible] L. [illegible] no. 10:98-103 O '63.

Every teacher should help the Pioneer [illegible] B. Shirvindt. Shkola i zhizn' no. [illegible]

Following the dynamic tradition of the [illegible] League. G. Gurevich. Shkola i zhizn' [illegible] '63.

From the Pioneer laws to the moral [illegible] Bibliotekar' no. 10:38-40 O '63.

Gorbunov, G. I., comp. [Always be prepared] Vsegda gotov. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1963. 81 p. (40 let pionerskoi organizatsii) (MH)

Greatest honor on earth. N. Zaitsev, [illegible] I. '63.

This cements a group. V. Mikhailov, [illegible] 55 S-O '63.

We are for combined detachments. V. [illegible] skii. Shkola i zhizn' no. 5:56 S-O '63.

PIPE—CLEANING

Steel outlet pipes for cleaning [illegible] 8 no. 9:25 S '63.

PIPE—DRYING

Drier for pipes. Stroi. truboprov. [illegible]

PIPE—WELDING

Butt welding of pipes for fluids. A. [illegible] Stroi. truboprov. 8 no. 9:[illegible]

PIPE, ASBESTOS-CEMENT

One and a half times more pipes from the same material. F. L. Davydova and others. [illegible] no. 10:5-7 O '63.

PIPE, CAST-IRON

For high-quality pipelines made of cast-iron [illegible] V. L. Gotovtsev. Izv. ASIA no. 4:117-[illegible]

PIPE, GLASS

For what purposes are pipes made of fiber-glass reinforced plastic material suitable? I. F. Portnov. Izv. vuzov., neft' i gaz 5 no. 1:115 '62.

PIPE, PLASTIC

Dubrovkin, S. D. [Study of the characteristics of pipelaying in water supply and sewer construction] Issledovaniia osobennostei [illegible] plastmassovykh truboprovodov v sisteme vodosnabzheniia i kanalizatsii zhilykh zdanii. Moskva, Stroiizdat, 1961. 49 p. (Moscow. Glavnoe upravlenie zhilishchnomu i grazhdanskomu stroitel'stvu. Nauchnoe soobshchenie, no. 32)

Machinery for major chemical complexes. [illegible] ko. Nauka i zhyttia 12 no. [illegible]

Plastic piping. Mor. flot 23 no. [illegible]

PIPE, PLASTIC—TESTING

Testing and introduction of pipes made of plastics. P. V. Vlasov, V. T. Kopylov. Khim. i neftepererab., 28-29 My-Je '63.

PIPE, STEEL

Calculations for large-diameter steel pipe [illegible] rings. V. F. Evtikhin. Izv. ASIA no. [illegible]

Pipes made of 1Kh3VF steel. E. B. Zolotarevskii, S. Volfson. Stal' 23 no. 10:935-936 O '63.

PIPE, STEEL—STANDARDS

Stainless steel pipes. D. E. Rokhman, I. A. Bezr[illegible] G. A. Sots. Standartizatsiia 27 no. 8:[illegible]

PIPE, STEEL—WELDING

Use of converter metal for the manufacture of [illegible]ly welded pipe. P. V. Savkin and others. Metallurg. prom. no. 5:28-30 S-O '63.

IPE BENDING

P rtable hydraulic pipe bender with manual oil pump ...ive. I. M. Semchenko. Energetik 11 no. 10 22 O '63.

IPE FITTINGS

...e of threadless joints in connecting pipe fittings and ...pes. I. F. Kharanov. Energetik 11 no. 10:21 O '63.

IPE FLANGES

...thod of designing the flanged joints of high-pressure ...pelines with lenticular laying. L. Kh. Kheifets, V. B. ...dev, B. S. Medestov. Khim. mashinostr., no. 3 26-28 My-Je '63.

IPE FLANGES—STANDARDS

...ew engineering standards for flanges. IA. V. Shuliko. Stan-...rtizatsiia 27 no. 10 16-25 O '63

IPE JOINTS

...anges in the quality evaluation of welded joints of pipe-...lines. I. G. Telegin. Stroi. truboprov. 8 no. 9:5-7 Ag '63.

IPE-LAYING MACHINERY

...ing a pipe-layer with a grated crane arm and ogee ...ling the erection of tanks. Stroi. truboprov. 8 no. 8, ...4 Ag '63

IPE-LAYING MACHINERY—COLD WEATHER OPERATIONS

...Guaranteed efficiency of machines in a permafrost region. G. K. Krivoshchenko. Stroi. truboprov. 8 no. 9:27-28 S '63.

IPE MILLS

...Calculating reductions during the cross rolling of pipe ...manufacturers. F. S. Seldakhev, IU. F. Shevakin. Izv. vys. ...Ped. zav., chern. met. 6 no. 9:114-119 '63

...Rolling of the metal in the hot rolling of tubes. B. N. ...Arsenev, IU. F. Shevakin. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:120-125 '63.

Effect of the technology of making and pouring steel on the formation of internal laps in rolled pipe. V. I. Lapitskii and others. Met. i gornorud. prom. no. 5 17-18 S-O '63.

IPE MILLS—DESIGN AND CONSTRUCTION

...Main directions in the redesign of pipe mills. IU. I. Korzhavinskov, I. I. Smirnov. Stal' 23 no. 10:925-927 O '63.

IPE MILLS—EQUIPMENT AND SUPPLIES

...Mechanization and the automatic control of pipe mill production. A. P. Ivanov. Met. i gornorud. prom. no. 4:27-31 Jl-Ag '63.

...Ways of improving the performance of automatic pipe ...mill equipment. P. V. Savkin, N. V. Paniushkin, M. G. Berdianskii. Stal' 23 no. 10:927-928 O '63.

IPE MILLS—QUALITY CONTROL

...Mikhanovskii, V. N. [Electromagnetic defectoscopy in constant and variable fields] Elektromagnitnaia defektoskopiia v postoiannom i peremennom pole. Khar'kov, Izd-vo Gos. univ. 1963 57 p.

IPELINES

...Isidorich, P. IA., E. S. Korentsvit, and A. M. Luchshev. [Earthwork and preparatory operations in the construction of pipelines] Zemlianye i podgotovitel'nye raboty na stroitel'stve magistral'nykh truboprovodov. Moskva, Gostoptekhizdat, 1963. 148 p.

...Determination of the optimal distance between the pipe-...line and the anodic grounding. V. G. Kotik, N. P. Glazov. Stroi. truboprov. 8 no. 8:10-11 Ag '63.

...Determining the magnetization force necessary for magnetographic control. L. A. Denisov, V. S. Kozlov. Stroi. truboprov. 8 no. 9 19-20 S '63.

...Distribution of velocities in the turbulent flow of a liquid. B. V. Pustovoit. Izv. vys. ucheb. zav.; energ. 6 no. 6: ...75-111 Je '63.

...Flushing and blowout of pipelines after installation. A. P. Sraev, P. A. Povarov. Elek. sta. 34 no. 8:28-32 Ag '63.

...New design of shells for trenchless pipelaying. Stroi. truboprov. 8 no. 9:27 S '63.

...Preparation for fall and winter construction work of compressor stations. M. L. Levantin. Stroi. truboprov. 8 no. 9:4 S '63.

...Reinforced concrete single-stage trestles for process piping. Biul. stroi. tekh. 20 no. 8 13-16 Ag '63.

...Removal of water and air from pipelines at the moment of starting. L. S. Maslov. Stroi. truboprov. 8 no. 8: 6-7 S '63.

...Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. 2, Sec. D, ch. 10. [Pipelines; specifications for designs] Magistral'nye truboprovody; normy proektirovaniia (SNIP II-D, 10-62). 1963. 20 p.

...Small machinery for pipeline work. V. M. Vostrov. Stroi. truboprov. 8 no. 8:22-23 Ag '63.

...Testing the strength of ice in lowering pipes from an ice ...sheet. D. T. Panfilov. Stroi. truboprov. 8 no. 9:10-12 S '63.

PIPELINES—ABSTRACTS

[Pipeline transportation] Ref. zhur.: Trub. transp. no. 11 N '63

PIPELINES—BIBLIOGRAPHY see Bibliography—Pipelines

PIPELINES—CATHODIC PROTECTION

Electromagnetic effect of high-tension lines on metal pipelines and methods of protecting them. M. I. Mikhailov, L. D. Razumov. Trudy VNIIST no. 13 96-198 '62.

Let's revise current prices for insulation work and the laying of shells. N. M. Kurichko. Stroi. truboprov. 8 no. 9:16-17 S '63.

PIPELINES—COMMUNICATION SYSTEMS

Increase the level of specialization of communication lines construction department. I. Shchedlin. Stroi. truboprov. 8 no. 8:31 Ag '63.

PIPELINES—CORROSION

Apparatus for detecting pipelines. Stroi. truboprov. 8 no. 9:38 S '63.

Economic efficiency of enameling steel pipes. G. S. Detkov. Stroi. truboprov. 8 no. 8:25-26 Ag '63.

Original detector. Stroi. truboprov. 8 no. 9:38 S '63.

PIPELINES—WELDING

Welding nonrotatable pipe joints of Kh18N9T steel by the automatic pressure method. V. I. Grinenko, S. A. Belkin, N. I. Astafurova. Svar. proizv. no. 10:27-29 O '63

PIPERIDINE

Pyran series, its analogs and related compounds. Part 3. 1-Methyl-4-alkyl-4-aminopiperidines. V. A. Zagorevskii, K. I. Lopatina. Zhur. ob. khim. 33 no. 8 2525-2528 Ag '63.

PIPERIDINEMETHANOL

Effect of piridrol on carbohydrate metabolism in schizophrenia patients and the possibility of its use in insulin therapy. Report No. 1 [with summary in French]. V. P. Kutin. Zhur. nevr. i psikh. 62 no. 12:1815-1820 '62.

Electrophysiological study of the effect of piridrol on the central nervous system [with summary in French]. B. IU. Bliuchenok, IU. F. Pastukhov. Zhur. nevr. i psikh. 62 no. 12:1821-1831 '62.

PIPERIDINOL

Stereochemistry of acetylenic synthesis. Part 3. Space configuration of geometrical isomers of 1, 2, 5-trimethyl-4-ethynyl-4-piperidol and their derivatives. B. V. Unkovskii and others. Zhur. ob. khim. 33 no. 8 2540-2548 Ag '63.

PIPERIDINOL—ABSORPTION SPECTRA

Stereochemistry of acetylenic synthesis. Part 2. Absorption spectra and space configuration of geometrical isomers of 1, 3-dimethyl-4-acetyl-4-piperidol. V. B. Belianin, B. V. Unkovskii, I. A. Mokhin. Zhur. ob. khim. 33 no. 8:2534-2540 Ag '63.

PIPERYLENE

Effect of the nature of solvent and the amount of Raney nickel catalyst on the orientation of hydrogen addition to trans-piperylene. L. Kh. Freidlin and others. Neftekhimiia 1 no. 4:484-488 Jl-Ag 61.

PIRANHA see Caribe (Fish)

PISTON PUMPS see Reciprocating pumps

PISTONS

Determining the performance of a piston during gas-exchange processes in a two-stroke engine. IA. A. Egorov. Izv. vys. ucheb. zav., mashinostr. no. 8 192-196 '63.

Experimental investigation of radial movement of the piston in an engine cylinder. N. K. Kulikov, G. N. Muronov. Izv. vys. ucheb. zav., mashinostr. no. 8:185-191 '63.

Heat-resistant, silumin-type alloy for internal combustion engine pistons. I. F. Kolobnev, V. M. Busarov, L. V. Shvyreva. Alium. splavy no. 1:33-40 '63.

Temperature conditions of the piston of the MZMA-407 engine. A. V. Kostrov, B. M. Kuniavskii. Avt. prom. 29 no. 8:5-7 Ag '63.

PITSUNDA REGION—PALEOBOTANY, STRATIGRAPHIC

Pontic flora of Pitsunda. A. A. Kolakovskii. Trudy Sukh. bot. sada no. 14:37-59 '62.

PITUITARY BODY—DISEASES

Functional disorders of the maternal hypophysis during pregnancy as an injurious factor in the development of children and particularly of their brain. N. S. Sazonova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1: 41-43 '61.

PITUITARY HORMONES

Effect of gonadotropic hormones of the pituitary body on the ovaries in swine. V. A. TSvetkova. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:185-194 '61.

PLANE CURVES see Curves, Plane

PLANETARY NEBULAE

Role of light pressure in the dynamics of planetary nebulae [with summary in English]. G. S. Khromov. Astron. zhur. 40 no. 5:799-806 S-O '63

PLANETS, MINOR—EPHEMERIDES

Akademiia nauk SSSR. Institut teoreticheskoi astronomii. [Ephemerides of minor planets for 1961] Efemeridy malykh planet na 1961 god. 18. god izd. Moskva, Izd-vo Akad. nauk SSSR, 1963. 152 p. [In Russian and English]

PLANKTON

(see also subdivision under Irkutsk Reservoir, Japan, Sea of, Okhotsk, Sea of, Pacific Ocean)

Effect of the drying out and cultivation of fishponds on the development of plankton in them. O. S. Senchenko. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 1:69-98 '62.

Seasonal phenomena in the plankton of the world ocean. Report No. 2. Seasonal phenomena in the plankton of low latitudes. A. K. Geinrikh. Okeanologiia 1 no. 3:485-497 '61.

PLANKTON RESEARCH

Statistical verification of the counting method in the quantitative analysis of plankton samples. S. R. Vel'dre. Prim. mat. metod. v biol. no. 2:124-131 '63.

PLANT BREEDING

Book reviews and bibliography. G. Golovin, T. Fedeneva. Zemledelie 25 no. 10:93-96 O '63.

Brief characteristics of new varieties and hybrids of farm crops developed by the Institute. A. A. Mardashko. Nauch. trudy Vses. sel.-gen. inst. no. 5 174-177 '62.

PLANT COMMUNITIES

(see also subdivision under Ryazan Province)

Some principles of the distribution of the flora by plant communities. K. V. Kiseleva, S. M. Razumovskii. Bot. zhur. 48 no. 9 1373-1380 S '63.

PLANT DISEASES see subdivision under Kazakhstan

PLANT INTRODUCTION

(see also subdivision under Georgia; Ukraine)

Florogenetic method in plant introduction. K. A. Sobolevskaia. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2, 14-24 '63.

PLANT LICE

(see also subdivision under Carpathian Mountain region; Ukraine)

New plant lice (Homoptera, Aphidoidea) in the U. S. S. R. and in the Ukrainian S. S. R. V. O. Mamontova-Solukha. Pratsi Inst. zool. AN URSR 17:66-67 '61

PLANT PHYSIOLOGY

Physical nature and the equations of mass transfer of the processes of photosynthesis, respiration and transpiration of plants. Z. F. Slezenko. Dokl. AN BSSR 7 no. 10:693-695 O '63.

PLANT PHYSIOLOGY—STUDY AND TEACHING

How to improve the instruction on plant physiology given to future agronomists. B. M. Sakhautdinov. Vest. vys. shkoly 21 no. 10:79-80 O '63.

PLANTERS (AGRICULTURAL MACHINERY)

The APP-4-70 tillage and planting unit. F. M. Detlistov. Trakt. i sel'khozmash. 33 no. 7:34-35 Jl '63

Attachment to a corn planter for hill placement of ammonia. R. N. Koniukhov, R. M. Titarenko. Trakt. i sel'khozmash. 33 no. 3:32-33 Mr '63.

Convenient aggregate of three sowing machines. A. Mitsenko. Tekh. v sel'khoz. 23 no. 8:63 Ag '63.

The SKNK-6 corn planter. S. Pivovar. Tekh. v sel'khoz. 23 no. 6:38-40 Je '63.

The 2 STSN-6 and STSP-6 sugar beet precision planters. B. Kuznetsov, IA. Shutsker. Trakt. i sel'khozmash. 33 no. 8 38-40 Ag '63.

PLANTERS (AGRICULTURAL MACHINERY)—TESTING

Investigating the performance of the SN-4B planter at increased speeds. V. M. Godukhin. Trakt. i sel'khozmash. 33 no. 8:24-26 Ag '63.

PLANTING TIME

(see also subdivision under Uzbekistan)

Winter of the young naturalists. V. I. Edel'shtein, IUn. nat. no. 2:23 F '63.

PLANTS see subdivision under Abkhazia

PLANTS—CHEMICAL ANALYSIS

Nitrogen-containing substances in the fresh and dried vegetative matter of some plants. V. G. Klimenko. Trudy po khim. prirod. soed. no. 5 3-14 '62.

Variability of the chemical characteristics of the Caucasian mint (Mentha caucasica Brig) reproduced by seeds. M. N. Kubrak. Trudy po khim. prirod. soed. no. 5:37-44 '62.

Variability of the chemical characteristics in Mentha sachalinensis. A. G. Nikolaev, S. M. Perebinos, L. Panutsa. Trudy po khim. prirod. soed. no. 5:103-104 '62.

PLANTS—DISEASE AND PEST RESISTANCE

Protective characteristics of plants with regard to parasitic fungi. I. P. Geshele. Nauch. trudy Vses. sel.-gen. inst. no. 9 150-159 '62.

PLANTS—EVOLUTION

Popov, M. G. [Principles of florogenesis] Osnovy florogenetiki. Moskva, Izd-vo Akad. nauk SSSR, 1963. 133 p.

PLANTS—FROST RESISTANCE

Controlled development of frost resistance in winter wheat hybrids. Yu. P. Shalin. Nauch. trudy Vses. sel.-gen. inst. no. 5:42-46 '62.

Effect of leaving grapevines uncovered in winter on the carbohydrate metabolism in grape shoots. B. L. Afrikian, S. A. Martirian, Zh. A. Petrosian. Izv. AN Arm. SSR. Biol. nauki 16 no. 7:41-46 Jl '63.

Effect of the conditions of growth and development on the winter hardiness of winter barley. P. I. Garkava, S. I. Lyfenko. Nauch. trudy Vses. sel.-gen. inst. no. 5:67-78 '62.

Effect of the conditions of hardening on the frost resistance of forage grasses. G. A. Khalim. Bot. zhur. 48 no. 9 1385-1389 S '63.

Protective effect of solutions during the freezing of plant tissues [with summary in English]. G. A. Samygin, N. M. Matveeva. Izv. AN SSSR. Ser. biol. 28 no. 4:574-587 Jl-Ag '63.

Resistance of various winter wheat varieties to low temperatures as related to meteorological conditions. E. M. Shumakova. Nauch. trudy Vses. sel.-gen. inst. no. 5:55-66 '62.

PLANTS—NUTRITION

Biology of nitrogen-fixing bacteria of the genus Clostridium and the nutrition of plants. V. T. Emtsev. Trudy Inst. mikrobiol. no. 11 91-101 '61.

Distribution of nutrients in fruit plants in the case of isolated nutrition of a single root. S. S. Rubin, V. P. Moiseichenko. Dokl. AN SSSR 152 no. 2 485-488 S '63.

Effect of the general level of mineral nutrition on the intensity of chlorine uptake in plants. G. V. Udovenko, N. P. Ivanov. Dokl. AN SSSR 152 no. 2 489-491 S '63.

Factors influencing the results of symbiotic interrelationships of Azotobacter with higher plants. G. IA. Petrenko. Trudy Inst. mikrobiol. no. 11:111-129 '61.

Participation of soil algae in the nutrition of plants. E. A. Shtina. Trudy Inst. mikrobiol. no. 11 130-138 '61.

Prianishnikov, D. N. [Selected works in three volumes] Izbrannye sochineniia v trekh tomakh. Moskva, Sel'khozizdat.

Vol. 1. [Agricultural chemistry] Agrokhimiia. 1963. 735 p.

Vol. 2. [Specialized agriculture (field crops)] Chastnoe zemledelie (rastenila polevoi kul'tury). 1963. 712 p.

(DNAL)

Role of Bacillus megaterium var. phosphaticum in the nutrition of plants. R. A. Menkina. Trudy Inst. mikrobiol. no. 11 238-245 '61.

PLANTS—RESPIRATION

Some characteristics of the respiration of semi-immersed plants. L. N. Loginova. Nauch. dokl. vys. shkoly, biol. nauki no. 4 141-145 '63.

PLANTS, CULTIVATED

[Plant culture] Ref. zhur.: Rast. no. 21 N '63.

PLANTS, EFFECT OF ACIDS ON

Effect of the pH of the medium on amino acid metabolism in corn plants. S. S. Andreenko, N. D. Alekhina, E. D. Shirshova. Nauch. dokl. vys. shkoly, biol. nauki no. 4 152-156 '63.

PLANTS, EFFECT OF ALKALOIDS ON

Effect of alkaloids on meiosis and fertilization of the ovule of sugar beets and the effectiveness of such actions in producing polyploids [with summary in English]. N. E. Zaikovskaia. Zhur. ob. biol. 24 no. 1 74-78 Ja-F '63.

PLANTS, EFFECT OF ARIDITY ON see subdivision under Azerbaijan

PLANTS, EFFECT OF CESIUM ON

Effect of the concentration of cesium on its accumulation by plants. A. A. Titlianova. Dokl. AN SSSR 152 no. 2 441-442 S '63.

PLANTS, EFFECT OF CHLORINE ON

Effect of the general level of mineral nutrition on the intensity of chlorine uptake in plants. G. V. Udovenko, N. P. Ivanov. Dokl. AN SSSR 152 no. 2 489-491 S '63.

PLANTS, EFFECT OF GAMMA RAYS ON

Effect of ionizing radiation on morphological changes in plants. N. M. Berezina and others. Radiobiologiia 2 no. 6 931-937 '62.

Effect of polyploidy on the radiation injury of wheat cells [with summary in English]. N. A. Izmozherov. Trudy MOIP. Otd. biol. 7:203-206 '63.

PLANTS, EFFECT OF HEAT ON

Transformation of phosphorus compounds in plants under the influence of high temperatures. V. F. Al'tergot, K. P. Volgina, M. P. Andronova. Izv. SO AN SSSR no. 8. Ser. biol.-med. nauk no. 2:14-20 '63.

PLANTS, EFFECT OF HUMIC ACID ON

Physiological role of humic acids and some vitamins in the life of higher plants. L. A. Khristeva. Trudy Inst. mikrobiol. no. 11:34-40 '61.

PLANTS, EFFECT OF INSECTICIDES ON

Root intoxication of cotton plants with octamethyl and mercaptophos used in the control of spider mites. V. M. Maltsev. Trudy EntgZOS no. 2:169-182 '59.

PLANTS, EFFECT OF LIGHT ON

Importance of light and temperature during the vernalization period of winter wheat plants under natural conditions in the southern Ukrainian S. S. R. O. A. Nikiforov. Nauch. trudy Vses. sel.-gen. inst. no. 5:17-54 '62.

Photochemical reaction of the transformation of xanthophylls in a reconstructed system. Report No. 2. D. Tolibekov. Bot. zhur. 48 no. 9 1383-1384 S '63.

PLANTS, EFFECT OF METHANE ON

Effect of methyl bromide on the germination of seeds as related to their moisture. V. F. Ratanova, G. A. Polchaninova, V. IA. Lobanov. Trudy VNIIZ no. 44 37-46 '63.

PLANTS, EFFECT OF NEUTRONS ON

Effect of fast neutrons on the development of winter wheat PPG-186. Sini Chen'-Man' [Hsü Chien-Wan], V. V. Khvostova. Radiobiologiia 2 no. 6 926-930 '62.

PLANTS, EFFECT OF PHOSPHORUS ON

Effect of root microflora on the uptake of phosphorus by plants. IU. V. Kruglov, L. B. Sirota. Trudy Inst. mikrobiol. no. 11 246-251 '61.

Mobilization of organic phosphates in Chernozem soils and the phosphorus nutrition of plants. IU. K. Kudzin, I. V. IAroshevich. Trudy Inst. mikrobiol. no. 11 252-259 '61.

PLANTS, EFFECT OF POTASSIUM ON

Potassium fertilizers for sugar beets. I. G. Rozhdestvenskii. Zemledelie 25 no. 10 50-55 O '63.

PLANTS, EFFECT OF RADIATION ON
(see also subdivision under Agarats, Mount)

Aleksakhin, R. M. [Radioactive contamination of soil and plants] Radioaktivnoe zagriaznenie pochvy i rastenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 130 p.

Characteristics of the relationship between the development of plants and the conditions of their radiation. F. A. Lopukhin. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 11 102-113 '63.

Germination and respiration intensity of corn seeds irradiated by Co^{60} gamma rays in an air-dry state. N. V. Romenskii and others. Izv. vys. ucheb. zav., pishch. tekh. no. 4:17-19 '63.

Mechanism of the moisture effect on the radiosensitivity of seeds [with summary in English]. N. A. Poliadkova. Trudy MOIP. Otd. biol. 7 207-212 '63.

PLANTS, EFFECT OF SOIL MOISTURE ON

Effect of soil moisture and temperature on the yield and seed qualities of potato tubers. N. G. Treskin. Nauch. trudy Vses. sel.-gen. inst. no. 5:109-111 '62.

PLANTS, EFFECT OF TEMPERATURE ON

Effect of soil moisture and temperature on the yield and seed qualities of potato tubers. N. G. Treskin. Nauch. trudy Vses. sel.-gen. inst. no. 5:109-111 '62.

Importance of light and temperature during the vernalization period of winter wheat plants under natural conditions in the southern Ukrainian S. S. R. O. A. Nikiforov. Nauch. trudy Vses. sel.-gen. inst. no. 5:47-54 '62.

PLANTS, EFFECT OF TRACE ELEMENTS ON

Effect of manganese, cobalt, and zinc on the intensity of photosynthesis and chlorophyll accumulation in the leaves of tomatoes and cabbage. B. A. IAgodin. Nauch. dokl. vys. shkoly, biol. nauki no. 4 148-151 '63.

Effect of microelements on the growth, development, and disease resistance of corn. N. A. Cheremisinov, N. I. Vandysheva. Nauch. dokl. vys. shkoly, biol. nauki no. 4 157-158 '63.

Trace elements and the yield of rice. G. Kaiumov. Zemledelie 25 no. 10:45-46 O '63.

Use of trace elements in agriculture. P. I. Anspok. Zemledelie 25 no. 10:41-45 O '63.

PLANTS, EFFECT OF VITAMINS ON

Physiological role of humic acids and some vitamins in the life of higher plants. L. A. Khristeva. Trudy Inst. mikrobiol. no. 11:34-40 '61.

Role of micro-organisms in the accumulation of vitamins in soils and their absorption by plants. A. G. Gelgardt. Trudy Inst. mikrobiol. no. 11:292-300 '61.

PLANTS, EFFECT OF WATER ON

Growth and death of pine, birch, and spruce roots under periodical flooding by soil water. A. IA. Orlov. Soob. Lab. lesoved. AN SSSR no. 6:62-82 '62.

PLANTS, ORNAMENTAL—DISEASES AND PESTS see subdivision under Abkhazia

PLANTS, SPACE ARRANGEMENT OF

Biological characteristics of some cotton varieties in checkrow sowing. V. IA. Butkova. Trudy EntgZO no. 2:45-71 '59.

Effect of the methods of sowing on the yield, growth dynamics, and seed quality of forage beans. U. Sh. Satyev. Nauch. dokl. vys. shkoly, biol. nauki no. 4 161 '63.

Effect of the quantity of plants in a cluster on the yield and sugar content of beets. V. M. Karvatskyi. Visn. sil'hosp. nauky 6 no. 4:35-38 Ap '63.

Growing sunflowers in checkrows from sized seeds planted in clusters without thinning. Z. B. Borysoruk, V. V. Abiqova. Visnyk sil'hosp. nauky 6 no. 4:39-41 Ap '63.

Some problems of the theory of spot seeding [with summary in English]. P. V. Afanas'ev, V. G. IAkovlev. Izv. AN SSSR Ser. biol. 28 no. 4:594-604 Jl-Ag '63.

PLASMA (IONIZED GASES)

Absorption of the energy of a high-frequency field by a plasma in the case of multiple ionic gyroresonance. V. V. Dolgopolov, K. N. Stepanov. Zhur. tekh. fiz. 33 no. 10 1196-1199 O '63.

Acceleration of a plasma by a high-frequency field. V. Iovnovich. Zhur. tekh. fiz. 33 no. 9 1116-1120 S '63.

Acceleration of a plasma clot by a plasma stream in a magnetic field. M. L. Iovnovich. Zhur. tekh. fiz. 33 no. 8 901-901 Ag '63.

Acceleration of ions in plasma beams [with summary in English]. M. V. Nezlin, A. M. Solntsev. Zhur. eksp. i teor. fiz. 45 no. 4 840-849 O '63.

Aperiodic instability of a relativistic plasma. S. S. Moiseev. Zhur. tekh. fiz. 33 no. 9 1059-1065 S '63.

Apparatus for producing plasma and studying its properties. A. E. Sheindlin and others. Zhur. tekh. fiz. no. 10 1169-1172 O '63.

Conical induction source of plasma bunches. IU. S. Arskii and others. Zhur. tekh. fiz. 33 no. 10 1149-1152 O '63.

Determining the coefficients of volume removal of electrons by plasma break-up in oxygen. A. I. Anisimov, N. I. Vinogradov, V. E. Golant. Zhur. tekh. fiz. 33 no. 9:1141-1143 S '63.

Diffusion approximation of disturbances around a body moving in a plasma. A. V. Gurevich, L. P. Pitaevskii. Geomag. i aer. 3 no. 5:823-829 S-O '63.

Dissipative instability of a weakly ionized inhomogeneous plasma in a homogeneous external magnetic field. A. Timofeev. Zhur. tekh. fiz. 33 no. 8 909-914 Ag '63.

Effect of the discharge energy and the plasma temperature on the relative intensity of the analytical pairs of lines of zinc and copper [with summary in English]. G. V. Ovechkin, L. E. Sandrygailo. Zhur. anal. khim. 18 no. 7 799-807 Jl '63.

Flute instabilities for a rotating plasma filament. Yu. V. Vandakurov. Zhur. tekh. fiz. 33 no. 9:1134-1137 S '63.

Group velocity of slow waves in a drifting magnetoactive plasma. A. V. Gul'elmi. Geomag. i aer. 3 no. 4:751-756 Jl-Ag '63.

Incoming cylindrical shock wave in a plasma, taking the front structure into account. V. F. Diachenko, V. S. Imshennik. Zhur. vych. mat. i mat. fiz. 3 no. 5:915-926 S-O '63.

Instability of one-dimensional packets and the absorption of electromagnetic waves in a plasma [with summary in English]. A. A. Andronov, V. IU. Trakhtengerts. Zhur. eksp. i teor. fiz. 45 no. 4:1009-1015 O '63.

Interaction between a relativistic neutral beam of charged particles and a magnetoactive plasma. V. G. Makhan'kov. Zhur. tekh. fiz. 33 no. 8:897-900 Ag '63.

Interaction of an electron beam with a plasma in a magnetic field. M. F. Gorbatenko. Zhur. tekh. fiz. 33 no. 9:1070-1079 S '63.

Interaction of plasma bunches with an axially symmetric magnetic field. K. D. Sinel'nikov and others. Zhur. tekh. fiz. 33 no. 10:1159-1168 O '63.

Limits of the stability of drift waves in an inhomogeneous plasma. L. V. Mikhailovskaia, A. B. Mikhailovskii. Zhur. tekh. fiz. 33 no. 10 1200-1205 O '63.

Low-frequency waves in a multicomponent plasma. M. Gintsburg. Geomag. i aer. 3 no. 4:757-761 Jl-Ag '63.

Maximum efficiency of a plasma current generator. G. V. Gordeev. Zhur. tekh. fiz. 33 no. 9:1031-1042 S '63.

Mobility and scattering cross section of cesium ions in a weakly ionized cesium plasma. N. D. Morgulis, IU. P. Korchevoi. Zhur. tekh. fiz. 33 no. 9:1146-1151 S '63.

PLASMA (IONIZED GASES) (Continued)

Nonlinear effects in plasma resonance [with summary in English], A. V. Gurevich, L. P. Pitaevskii. Zhur. eksp. i teor. fiz. 45 no 4 1243-1251 O '63.

Physicists report. Irina Lunacharskaia, IAroslav Golovanov. Sov Soruz no. 8 46-47 '63.

Plasma decomposition in a toroidal magnetic field. V. E. Golant, O. B. Danilov, A. P. Zhilinskii. Zhur tekh fiz. 33 no 9 1043-1054 S '63.

Propagation of a solitary wave in a plasma along a magnetic field. A. D. Pataraia. Prikl mat i mekh 27 no. 1:85-90 Ja-F '63.

Recombination radiation in the diffusion break-up of a plasma in a magnetic field. G. L. Khorasanov. Zhur. tekh. fiz. 33 no. 10 1193-1195 O '63.

Reflection and refraction of magnetohydrodynamic waves on the interface of two anisotropic plasma type media. TS D Loladze, N. L TSintsadze. Zhur tekh fiz 33 no 8 929-931 Ag '63

Relativistic dissipation on cyclotron harmonics in a plasma. V P. Demidov, D A. Frank-Kamenetskii. Zhur tekh fiz. 33 no. 8 915-921 Ag '63

Shock waves in a plasma in the absence of collisions [with summary in English]. R. V. Polovin Ukr fiz. zhur 8 no 8 830-834 Ag '63

Solution of a nonlinear equation describing the decomposition of a plasma in a magnetic field. V E. Golant, G. A. Grinberg. Zhur. tekh. fiz. 33 no. 9 1139-1141 S '63.

Stability of a conducting plasma column in a magnetic field. IU. V. Vandakurov Prikl. mat. i mekh 27 no. 1, 45-54 Ja-F '63.

Stability of an inhomogeneous magnetized plasma. IU. N. Dnestrovskii, D. P. Kostomarov. Zhur. vych. mat. i mat. fiz. 3 no 5 905-914 S-O '63.

Stability of higher correlation functions in a plasma. S. V. Iordanskii, A. G. Kulikovskii. Dokl AN SSSR 152 no. 4:849-852 O '63.

Stability of Maxwellian plasma. F. G. Baksht. Zhur. tekh fiz. 33 no. 10:1173-1186 O '63.

Stabilization of a current-carrying cylinder by means of a high-frequency magnetic field. N. A. Bobylev, O. I. Fedianin Zhur. tekh fiz 33 no. 10:1187-1192 O '63.

A step to the sun. Gleb Anfilov. Ogonek 41 no. 39, 17-19 S '63.

Structure of the front of a shock wave propagating at an angle to a magnetic field in a rarefied plasma. V I Karpman. Zhur tekh fiz. 33 no 8 959-966 Ag '63

Theory of high-frequency heating of a plasma [with summary in English]. K. N. Stepanov. Zhur. eksp. i teor. fiz. 45 no. 4 1196-1201 O '63.

Theory of the reflection of electromagnetic waves from a plasma. I A. Akhiezer. Zhur. tekh. fiz. 33 no. 8 935-942 Ag '63.

Theory of weak diffusion waves G S. Leonov, V. A. Pogosian. PMTF no. 5:18-23 S-O '63

Z-pinch plasma in a magnetic net. IA. F. Volkov, V. T. Tolok, S. M. Krivoruchko. Zhur. tekh. fiz. 33 no. 9: 1093-1097 S '63.

Transfer equations for a nonisothermal multicomponent plasma M. IA. Ahievskii, V. M Zhdanov. PMTF no 5:11-17 S-O '63.

Turbulent diffusion of a rarefied plasma in a high magnetic field [with summary in English]. B. B. Kadomtsev. Zhur. eksp. i teor. fiz. 45 no. 1:1230-1242 O '63.

Unstable states of a Knudsen plasma. L. E. Rikenglaz. Zhur. tekh. fiz. 33 no. 10 1214-1221 O '63.

Variation of the electric potential near a channel wall during the motion of an ionized gas in a magnetic field. G A. Liubimov. PMTF no. 5:24-31 S-O '63.

Visual study of plasma clots. K. D. Sinelnikov and others. Zhur. tekh. fiz. 33 no. 9:1055-1056 S '63.

Waves in a plasma near the cyclotron resonances. IU. N. Dnestrovskii, D. P. Kostomarov, N. V. Skrydlov. Zhur. tekh. fiz 33 no. 8, 922-928 Ag '63.

PLASMA (IONIZED GASES)—DENSITY

Comparison of the superhigh-frequency and probing methods for plasma density measurement V. V. Zubov, P. N. Chistiakov. Zhur. tekh. fiz. 33 no 8 967-972 Ag '63

PLASMA (IONIZED GASES)—SPECTRA

Asymmetric self-reversed contour of a spectral line as a source of information on the properties of a plasma. N. S. Gorbacheva, N. G. Preobrazhenskii. Opt. i spektr. 15 no. 4:453-456 O '63.

PLASMA OSCILLATIONS

Experimental observation of Landau damping in a plasma. V. V. Dolgopolov and others. Zhur. eksp. i teor. fiz. 45 no. 4 1260-1261 O '63.

Plasma oscillations in a solid body with p-n junction. IU. A. Romanov. Fiz. tver. tela 5 no. 10:2988-2990 O '63.

Theory of oscillations of a weakly inhomogeneous plasma [with summary in English]. V. P. Silin. Zhur. eksp. i teor. fiz. 45 no. 4:1060-1066 O '63.

PLASMA PROTEINS

Changes in the proteins, lipoproteids and glucoproteids of blood serum, and the adrenocortical function in the sulfanilamide treatment of diabetes, abstract M B Sheikman. Kaz. med zhur. no. 1 109 Ja-F '61

PLASTERING

Plastering work in the finishing of buildings and structures. Biul. stroi. tekh 20 no. 10 8-9 O '63.

Shepelev, A. M. [Plastering] Shtukaturnye raboty Izd. 1., perer. i dop. Moskva, Profizdat, 1963 318 p

PLASTIC BEARINGS

Calculating the carrying capacity of bearings with plastic balls. P F. Prasolov. Vest. mashinostr. 43 no. 10 43-44 O '63.

Use of capron deadwood bushings. L. K. Russkikh. Sudostroenie 29 no. 9, 51-55 S '63.

PLASTIC BEARINGS—TESTING

Hardness of some bearing plastics and its relationship with ultimate strength in stretching. V. P. Shubin, V. N. Nikitina. Izv. vys. uchob zav., mashinostr. no 7, 62-65 '63.

PLASTIC PIPE see Pipe, Plastic

PLASTIC SURGERY see Surgery, Plastic

PLASTICITY

Effect of treatment in fused media on the plasticity of transformer steel. I. N. Bogachev, R. I Mints Izv vys uchob. zav., chern. met. 6 no. 9:174-176 '63.

A model of a dynamically hardening continuum in Mises-Reiss's theory of plasticity V. A. Skripkin Prikl mat i mekh. 27 no 1 109-115 Ja-F '63

Theory of straight-line discontinuity of stresses for a real laminar flow of a rigid-plastic body. O. D. Grigor'ev. PMTF no. 5:156-159 S-O '63.

Torsion of prismatic rods from ideally plastic material taking microstresses into account. I. A. Berezhnoi, D. D. Ivlev. PMTF no. 5:154-157 S-O '63.

PLASTICIZERS

Investigating polyarylene alkyls as ingredients of a rubber compound. I. I. Rikel'son and others. Kauch. i rez. 22 no. 9:2-4 S '63.

PLASTICIZERS—TOXICOLOGY

Comparative toxicological characteristics of some plasticizers. O. N. Elizarova. Uch. zap Mosk nauch.-issl. inst. san. i gig. no. 9:105-108 '61.

PLASTICS

Abramov, L. M and L. M Zhuravskii. [Use of plastics in the manufacture of textile machinery] Primenenie plastmass v tekstil'nom mashinostroenii, iz opyta proizvodstva priadil'nogo oborudovaniia Moskva, Mashgiz, 1963. 113 p.

Effect of the material of macaroni dies on the pressure in pressing. K. P. Gushlov. IU. A Machikhin, IU. V Kalinin Izv. vys. ucheb. zav., pishch. tekh no. 4, 95-97 '63.

Friction surfaces of plastics examined under high-degree magnification. Sh. M. Bilik, IU. B. IAsson. Trudy TSNII MPS no. 267 5-11 '63.

Manufacture and testing of machine parts made from polymeric materials in textile factories. V. V. Savarenskii, F. K. IUdin. Izv. vys. ucheb. zav. tekh. tekst. prom. no. 4:137-142 '63.

Metal in a plastic coating. I. IA. Al'shits. Priroda 52 no. 9:97 '63.

Plastics in electric machinery manufacture. Zh. G. Zakrzhevskaia. Elektrotekhnika 34 no. 10:60 O '63.

Properties of protective coatings made from powdered plastics. A. M. Zinovich. Stroi. truboprov. 8 no. 9: 16-19 S '63.

Reconditioning guides with "strakalit." V. K. Rukometkin. Mashinostroitel' no. 11:12-13 N '63.

Storage of chilled meat in polyethylene and cellophane wrapping. V. P. Semenova, G. N. Novikova, Sh. I. Esmanova. Sbor. stud. rab. MTIMMP no. 7, 8-12 '62.

Use of high-polymeric materials for sausage packaging. B. S. Chernyshev and others. Sbor. stud. rab. MTIMMP no. 7:12-17 '62.

PLASTICS—MOLDING

Manufacture of large objects from waste paper impregnated with synthetic resins. V. S. Kim. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10:16-20 '63.

PK-2 press for die casting of polyamide parts. S. I. Bronshtein, A. IA. Zelichenko. Sudostroenie 29 no. 9: 51-54 S '63.

Using molded wooden plastics in friction units of rolling mills. I. A. Fomichev, A. N. Trofimovich, O. G. Frikhodko. Vest. mashinostr. 43 no. 10:40-43 O '63.

PLASTICS—TESTING

Abrasive wear of polymeric materials. Sh. M. Bilik, B. S. Salenko. Trudy TSNII MPS no. 267:60-69 '63.

Investigating the strength of high-strength plastic subjected to repeated and variable axial loads. I. P. Petrenko. Dop. AN URSR no 12:1587-1589 '61

PLASTICS CUTTING

Machinability of Getinaks on milling machines. M I. Semko, V. A Kacher. Stan. i instr. 34 no. 10 33-35 O '63.

PLASTICS IN MEDICINE

Experience in the use of a polyvinyl chloride mesh in ventral and recurrent inguinal hernias V. V Alekseev Kaz. med zhur. no. 2 10-12 Mr-Ap '63

PLASTICS INDUSTRY—EQUIPMENT AND SUPPLIES

Continuous automated production line for film and sheet vinyl plastics L. P. Gerasimenko, A. S. Kobenko. Khim. mashinostr. no. 3 42 My-Je '63.

PLASTOV, ARKADII ALEKSANDROVICH, 1893-

Kaufman, R. S. Arkadii Aleksandrovich Plastov Moskva, Iskusstvo, 1962. 29 p 27 col. plates (Sovetskie khudozhniki) [With summaries in German, English and French]
(MH)

PLATE TOWERS

Calculation of the hydraulics and mass transfer on a "Unifin" tray. A. G. Kasatkin and others. Khim. prom. no. 7 531-537 Jl '63.

Comparative hydrodynamic tests of plates of various designs. V. A. Sheinman, IU. S. Kogan, I. A. Aleksandrov. Khim. mashinostr. no. 3 15-17 My-Je '63

Mass transfer on downcomerless grid trays. V. V. Kafarov, IU. G. Zelinskii. Zhur. prikl. khim. 36 no. 8 1730-1737 Ag '63.

Operation of the stripping sections of complex columns. L. A. Barbarskii, A. K. Manovian Khim. i tekh. topl. i masel 8 no. 9 55-59 S '63

Testing of a downcomerless tray at various angles of inclination. A. I. Rodionov, A. M Kashnikov. Zhur prikl. khim. 36 no 8:1737-1743 Ag '63

PLATINUM

Isotopic exchange of oxygen on platinum films. A. V. Khasin, G. K. Boreskov. Dokl. AN SSSR 152 no. 6 1387-1390 O '63.

PLATINUM—METALLOGRAPHY

Experimental determination of the role of grain boundaries in the general deformation of platinum during tension at a constant speed and heating from 20 to 1000°. M. G Lozinskii, V. IA. Ferenets. Fiz. met i metalloved. 16 no. 3:409-415 S '63.

PLATINUM CATALYSTS

Catalytic properties of platinized silica gels as dependent on the conditions of their preparation M D Adamenkova, O M. Poltorak Vest Mosk un Ser 2 Khim 18 no 5 12-16 S-O '63.

PLATINUM METAL CATALYSTS

Charging curves of the boride catalysts of Pt-group metals. A. M. Faber and others. Dokl AN SSSR 152 no 2: 378-381 S '63.

PLATINUM METALS—ANALYSIS

Gravimetric determination of platinum, palladium, ruthenium, rhodium as $TlPtS_4$, $TlPd_2S_3$, $TlRu_2S_6$, $TlRh_2S_3$ [with summary in English] N A Rudnev, G. I. Malofeeva. Zhur. anal khim. 18 no 7 859-864 Jl '63

PLATYPHYLLINE

Identification of platyphylline tartrate in medicinal mixtures. E. B Zorin. Sbor. nauch. trud. TSANII 3 129-132 '62.

PLETHYSMOGRAPHY

Cross-correlation analysis of physiological functions. K. P. Buteiko, D. V. Domin. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2 127-129 '63.

PLEURA—DISEASES—DIAGNOSIS

Cases of thoracoscopy and thoracocautery in pulmonary tuberculosis. I. Z. Sigal Kaz. med. zhur. no. 1:29-33 Ja-F '61.

PLEURA—SURGERY

Clinical significance of the study of the function of external respiration in surgery on the pleura. V M Sergeev. Zdravookhranenie 6 no. 3:24-27 My-Je '63

Pleurectomy in tuberculous pleural empyema of 25 years duration. I. Z. Sigal. Kaz. med. zhur. no. 2:73-74 Mr-Ap '63.

PLEURA—TUBERCULOSIS

Pleurectomy in tuberculous pleural empyema of 25 years duration. I. Z. Sigal. Kaz. med. zhur no 2:73-74 Mr-Ap '63.

PLOWING

How to plow under the stubble remnants of corn. E. Maslov. Zemledelie 25 no. 10:77 O '63.

Improving the operating efficiency of wheeled tractors in plowing. V. Safronov, IU. Malyshev. Tekh. v sel'khoz. 23 no. 8 61-62 Ag '63.

PLOWS

1 PF-2 plow for grapes. V. Zhalnin. Tekh. sel'-pro. 25 no. 12 42-44 D '63.

The POB-3-45 plow for reclaimed swamps. Yu. Neznaev. Tekh. v sel'khoz. 23 no. 8 43-44 Ag '63.

PLURALITY OF WORLDS

[In this book are given the answers to the questions: 1 Are there intelligent beings on other planets? 2 What significance has the Kuban-Kalaus Irrigation and Water-Supply System for Stavropol? 3 What is travertine? How is it formed and for what purposes is it used?] V otvet imya dan, otvety na vopros, 1 Est' li razumnye sushchestva na drugikh planetakh? 2 Kakoe znachenie imeet dlia Stavropolia Kuban'-Kalausskaia obvodnitel'no-orositel'naia sistema? 3. Chto takoe travertin, kak on obrazuetsia i v chem ego poleznost'? [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1960. 32 p. (Sprashivai - otvechaem)

[MICROFILM]

PLUTONIUM

Emission of long-range α-particles ($E_\alpha > 10$ Mev) by Pu^{239} and Pu^{240} nuclei. V. N. Andreev, S. M. Sirotkin. Izv. AN SSSR Ser. fiz. 27 no. 10 1250-1252 O '63.

PLUTONIUM—PHYSIOLOGICAL EFFECT

Proteins in the blood serum of rabbits and dogs affected by plutonium. V. I. Filina. Radiobiologiia 2 no. 6 834-837 '62.

PLYWOOD INDUSTRY see subdivision under Leningrad

PLYWOOD INDUSTRY—EQUIPMENT AND SUPPLIES

Impregnate the rubberized belt. N. M. Leibovich. Der. prom. 12 no. 8 25-26 Ag '63.

PNEUMATIC CONTROL

Calibration of adjustment elements of pneumatic protection units and PID controllers. S. V. Egorov, L. M. Pin. Priborostroenie no. 10 4-6 O '63.

New applications of pneumatic control. L. M. Zaimanzon, V. V. Tal'. Vest. AN SSSR 33 no. 10 58-62 O '63.

Prusenko, V. S. [Multicircuit pneumatic systems for automatic control of thermal processes] Mnogokonturnye pnevmaticheskie sistemy avtomaticheskogo regulirovaniia teplovykh protsessov. Moskva, Gosenergoizdat, 1963. 127 p. (Biblioteka po avtomatike, no. 77)

Recently developed electro-pneumatic transformers and positioners [with summary in English]. L. A. Tenenbaum. Avtom. i telem. 24 no. 10 1427-1438 O '63.

PNEUMATIC CONVEYING

Determination of the critical velocity of solid particles in horizontal pneumatic pipelines. V. F. Sitenkov. Khim. i tekh. topl. i masel 8 no. 8 51-54 S '63.

PNEUMATIC-TUBE TRANSPORTATION

Determining the speed of a pneumatic-post carrier at curve turns. B. A. Fishov, V. S. Emel'ianov. Izv. vys. ucheb. zav., mashinostr. no. 7 137-140 '63.

More precise determination of the maximum coefficient of hydraulic resistance of tubes. L. V. Sidorenko, A. N. Shchelkin. Gor. zhur. no. 10:68 O '63.

PNEUMOCOCCUS

Effect of tissue preparations on the growth of pneumococcus in a bacterial culture. N. E. Shchastnaia. Uch. zap. UEIGH 5 280-283 '62.

PNEUMONIA

Characteristics of the course of influenzal pneumonia in children, abstract. D. E. Alshibaia. Kaz. med. zhur. no. 1 114-116 Ja-F '61.

PNEUMOTHORAX

Cases of thoracoscopy and thoracocautery in pulmonary tuberculosis. I. Z. Sigal. Kaz. med. zhur. no. 1 29-33 Ja-F '61.

POCHAYEV—MONASTERIES

Crosses around necks.... report from a monastery cell. Alla Trubnikova. Oktiabr' 39 no. 12:132-143 D '62.

PODOLIA—OSTRACODA, FOSSIL

Krandiievs'kyi, V. S. [Ostracoda in the Silurian sediments of Podolia] Fauna ostrakod siluriis'kikh vidkladiv Podillia. Kyiv, Vyd-vo AN URSR, 1963. 147 p.

PODZOL

(see also subdivision under Polesye)

Conditions for the viability of Azotobacter in turf-Podzolic soils. V. V. Bernard. Trudy Inst. mikrobiol. no. 11 102-110 '61.

POETRY AND RELIGION see Religion and poetry

POISON-SUMAC see subdivision under Kurile Islands

POKHITONOV, IVAN PAVLOVICH, 1860-1923

The landscape painter. I. P. Pokhitonov. V. Grebeniuk. Iskusstvo 26 no. 8, 60-64 '63.

POLAND—ARMY

Comrades in arms. S. Lesnevskii. Voen. znan. 39 no. 10 13-14 O '63.

Lesnevskii, S. A. [The Polish Army] Voisko Pol'skoe. Moskva, Voenizdat, 1963. 103 p.

POLAND—ART SOCIETIES

Artists of the "Zachęta" group. L. Uranova. Iskusstvo 26 no. 9 41-46 '63.

POLAND—BIBLIOGRAPHY

[New literature on Poland] Nov. lit. po Pol'. nos. 7/8-9 '63.

POLAND—CATHOLIC CHURCH

The struggle cannot be weakened. Tadeusz Jaroszewski. Nauka i rel. no. 2 28 F '62.

POLAND—CLIMATE

Climatological and hydrological research in the People's Republic of Poland. A. R. Konstantinov. Meteor. i gidrol. no. 11 53-54 N '63.

POLAND—COMMERCE

The foreign trade of Poland in 1962. Yan Negowski. Vnesh. torg. 43 no. 10 8-9 '63.

POLAND—COMMUNIST PARTY

Work with people is the foundation of success. Jerzy Moszinski. Agitator no. 18:26-28 S '63.

POLAND—DESIGN, INDUSTRIAL

Beauty contest. V. Orlov. Tekh. mol. 31 no. 8:22-23 '63.

POLAND—HIDES AND SKINS

Dressing of the sides of large hides and hides with porous structure with a maximum preservation of the protein substance. Leh. prom. no. 3 33-34 Jl-S '63.

POLAND—HISTORY

Excerpts from my reminiscences (to be continued). S. S. Dzerzhinskaia. Nov. i noveish. ist. no. 5 97-111 '63.

POLAND—HISTORY—SOURCES

An important source for the history of Poland in the early feudal period. E. V. Gutnova, I. A. Mironova, V. S. Sokolov. Sred. veka no. 24 281-282 '63.

POLAND—HOME AND SCHOOL

Parents committees in Poland. N. Filippova. Sem'ia i shkola 18 no. 10 39 O '63.

POLAND—HYDROLOGY

Climatological and hydrological research in the People's Republic of Poland. A. R. Konstantinov. Meteor. i gidrol. no. 11 53-54 N '63.

POLAND—INFORMATION SERVICES

System of industrial branch centers of scientific and technological information in the Polish People's Republic. O. I. Globachev. NTI no. 2 58-67 '63.

POLAND—JUSTICE, ADMINISTRATION OF

Administration of justice in the Polish People's Republic in the period of socialist development. Marjan Rybicki. Sov. just. no. 13 25-27 Jl '63.

POLAND—LABOR AND LABORING CLASSES—EDUCATION

Work with people is the foundation of success. Jerzy Moszinski. Agitator no. 18:26-28 S '63.

POLAND—MOTION PICTURES

Visiting Polish motion-picture employees. Mystetstvo 10 no. 3 23 My-Je '63.

POLAND—MOTION PICTURES—EQUIPMENT AND SUPPLIES

Basic trends in the development of the technology of Polish cinematography. M. Sverchinskii. Tekh. kino i telev. 8 no. 8 73-77 Ag '62.

POLAND—NAVY

Military collaboration between navies of socialist countries is getting stronger. N. N. Ivashnev, A. G. Kozlov. Mor. sbor. 46 no. 7 28-33 Jl '63.

POLAND—PATENT LAWS AND LEGISLATION

New phase in the development of patent laws in the Polish People's Republic. L. P. Gavrilov, N. B. Finkel'. Sov. i gos. pravo 33 no. 10:126-128 O '63.

POLAND—RELATIONS (GENERAL) WITH RUSSIA

W. Broniewski and Soviet culture. V. A. Khorev. Lit. slav. nar. 8 177-185 '63.

POLAND—REVOLUTION, 1863-1864

New studies on the history of revolutionary contacts between the Russian and Polish peoples. I. I. Kostiushko. Nov. i noveish. ist. no. 5 144-147 '63.

POLAND—RUSSIAN LITERATURE

Early printed Cyrillic books in collections of the Polish People's Republic (Warsaw, Krakow, and Breslau). IA. D. Isaevich. Knigaizsl. i mat. 8:291-296 '63.

POLAND—SOCIALIST PARTY

History of the Polish Socialist Party. S. M. Stefanov. Nov. i noveish. ist. no. 5 168 '63.

POLAND—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Novak, T. F. [Al (as told to Anatolii Stan')] Al. [Literaturnyi zapys Anatolia Stanu] Lviv, Kn.-zhurnal'ne vyd-vo, 1962. 220 p.

POLARIZATION (ELECTRICITY)

Charging curves of the boride catalysts of [illegible] alg. A. M. Tabet and others. Dokl. AN [illegible] 379-381 S '63.

Mobility of polarons of small radius at low [illegible] I. G. Lang, Iu. A. Firsov. Fiz. tver. tela 5 no. 10, 2817 O '63.

Polarization during simultaneous electrodeposition [illegible] tungsten with other metals. A. T. Vagramian, [illegible] zhur. 29 no. 6:878-880 '63.

Virial expansion in the problem of electrical [illegible] ration of a system of many bodies. V. M. Galitskii. Dokl. AN SSSR 152 no. 2:370-373 S '63.

POLARIZATION (LIGHT)

Computation of the distribution of the intensity [illegible] gree of polarization by twilight sky. I. I. Ippolitov. Trudy Astrofiz. inst. AN Kazakh. SSR 13:3-19.

Determination of the atmospheric polarization [illegible] multiple scattering [with summary in English]. [illegible] Plaskovskaia-Efremenkova. Trudy Astrofiz. inst. AN Kazakh. SSR 3:103-113 '63.

Effect of the properties of the underlying surface [illegible] polarization of scattered light of the sky [with summary in English]. P. N. Boiko. Trudy Astrofiz. inst. AN Kazakh. SSR 3:119-127 '63.

Measuring light polarization in fog [with summary in English]. T. P. Toropova. Trudy Astrofiz. inst. AN Kazakh. SSR 3:144-148 '63.

Optical properties of a gyroelectric medium. I. Reflection problem for a gyroelectric medium. G. F. Bolotin, A. V. Sokolov. Fiz. met. i metallovod. 16 no. 6:785-791 D '63.

Polarization of skylight during twilight and in the case of the intrusion of cosmic dust. G. Dibai. Fiz. met. i metallovod. 15 no. 6:[illegible] '63.

Polarization of the sky and atmospheric haze [illegible] [with summary in English]. P. N. Boiko, G. A. Ivanova. Trudy Astrofiz. inst. AN Kazakh. SSR 3:[illegible] '63.

Resolutions of the conference. Trudy Astrofiz. inst. AN Kazakh. SSR 3:245-248 '63.

Some results of statistic processing of the [illegible] intensities of polarization of star light. I. A. Ikhsanov, V. M. Dlazlevich. Tsir. Astron. obs. [illegible] no. 39/40:3-10 '63.

POLARIZATION (NUCLEAR PHYSICS)

Effect of the finite nuclear dimensions on [illegible] polarization in the case of pair formation and bremsstrahlung. F. S. Sadykhov, L. v. AN SSSR, Ser. fiz. 27 no. 11 1277-1280 O '63.

Polarization in pp-scattering at an energy of [illegible] V. P. Ivanov and others. Zhur. eksp. i teor. fiz. 44 no. 4:1272-1275 O '63.

POLAROGRAPHY

Continuous determining of micelle concentration [illegible] polarographic method. V. M. Pigarit, I. V. Ivanova. Izv. vys. ucheb. zav.; pishch. tekh. no. 3:149-154 '63.

Determination of chloride ion in the soil by the [illegible] graphite method. L. M. Skobeeva, G. V. Kuchkina, [illegible] doki. vys. shkoly; biol. nauki no. 1 203-207 '63.

Polarographic determination of organic peroxides [with summary in English]. M. P. Romantsev. Zhur. anal. khim. 18 no. 9:1108-1115 S '63.

Polarographic determination of the purity of [illegible] hydroquinone [with summary in English]. G. P. [illegible] mirova, S. L. Belen'kaia. Zhur. anal. khim. 18 no. 9:1116-1119 S '63.

Polarographic study of slags. Nickel and cobalt oxides. S. S. Ogniianik. Ukr. khim. zhur. 29 no. 8:881-[illegible] '63.

Polarographic study of the kinetics and the mechanism of protolytic reactions underlying nitro-acid-[illegible] conversions of nitrocyclohexane. P. M. Zaitsev, I. I. Turtian, Z. V. Zaitseva. Kin. i kat. 4 no. 4:538-543 Jl-Ag '63.

Pulsed polarographic analysis for determining [illegible] in sewage waters. V. I. Bodiu, IA. S. Fel'dman. Gidroliz. i lesokhim. prom. 16 no. 3:11-14 '63.

POLE VAULTING

If you are going to jump, then jump. Sov. sport 42 no. 2 44-45 O '63.

POLESYE—APPLE—FERTILIZERS AND MANURES

Effect of pruning and fertilizing on the vegetative growth and development of reproductive organs in young apple trees in the southern Ukrainian Polesye. N. G. [illegible] Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 40:257 [illegible] '62.

POLESYE—BEES

Studying fauna and ecology of bees in western oblasts of the Ukraine. P. Z. Osynchuk. Pratsi Inst. zool. AN URSR 17:99-107 '61.

POLESYE—FISH INTRODUCTION

Developing the ichthyofauna in the lakes of Ukrainian Polesye. I. II. Symonova. Nauk. prats. Ukr. nauk.-dosl. inst. rybn. hosp. 11 27-32 '62.

POLESYE—FRUIT CULTURE

Fall tillage methods for orchards in sandy and sandy-loam soils of the Ukrainian Polesye. I. A. Sheremet, N. G. Ilchishina. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 10 3-13 '62.

Suitability of turf-Podzolic soils for fruit culture in the Ukrainian Polesye. N. G. Ilchishina. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 10 79-89 '62.

POLESYE—HEMP

Hemp crops as the best predecessors to hemp. P. P. Borysenko. Visnyk sil'hosp. nauky 6 no. 1,51-54 Ap '63.

POLESYE—NURSERY STOCK

Growing rootstock of pome fruits. A. A. Romanov. Nauch. trud. Ukr. nauch.-issl. inst. sad. no. 10,151-179 '62.

POLESYE—PODZOL

Suitability of turf-Podzolic soils for fruit culture in the Ukrainian Polesye. N. G. Ilchishina. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 10 79-89 '62.

POLESYE—TILLAGE

Fall tillage methods for orchards in sandy and sandy-loam soils of the Ukrainian Polesye. I. A. Sheremet, N. G. Ilchishina. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 10 3-13 '62.

POLIAKOV, NIKOLAI PETROVICH, 1843-1905

N. P. Poliakov, publisher and democrat of the 1860's. L. S. Kuzbnik-Vetrov. Kniga; issl. i mat. 8 297-312 '63.

POLICE

Militia pod. V. Glinskov. Agitator no. 18;33-35 S '63.

POLICE—BIBLIOGRAPHY see Bibliography—Police

POLIOMYELITIS

Histopathology of the reticular formation in acute poliomyelitis. I. M. Popova. Nauch. inform. Otd. nauch. med. informa. AMN SSSR no. 1 66-67 '61.

Subacute anterior poliomyelitis. Report No. 2; Histopathology of subacute anterior poliomyelitis [with summary in French]. N. V. Konovalov, L. M. Popova, O. A. Lukashevich. Zhur. nevr. i psikh. 62 no. 12;1753-1760 '62.

POLIOMYELITIS—CONGRESSES

Conference of the Institute of Poliomyelitis of the Academy of Medical Sciences of the U. S. S. R. held in Odessa Vop. kurortol. fizioter. i lech. fiz. kul't. 27 no. 1, 351-353 Ja-Ag '62.

POLIOMYELITIS—PREVENTIVE INOCULATION see subdivision under Kazan

POLISH LANGUAGE—DICTIONARIES—RUSSIAN

[Polish-Russian polytechnical dictionary] Pol'sko-russkii politekhnicheskii slovar'. Moskva, Fizmatgiz, 1963. 515 p.

Borwit, M., and I. Siedlecka, eds. [Concise Polish-Russian and Russian-Polish polytechnical dictionary] Kratkii pol'sko-russkii i russko-pol'skii politekhnicheskii slovar'. Warsaw, Wydawnictwa naukowo-techniczne, [c1963]. 226 p.

POLISH LANGUAGE—WORDS

Reversal of some unjustified hypotheses made by O. Senkevich. O. V. Tvorogov. Izv. AN SSSR, Ser. lit. i iaz. 22 no. 5 432-434 S-O '63.

POLISH LITERATURE—HISTORY AND CRITICISM

Problems of dividing the history of literature into periods in the popular outline history of Polish literature. B. F. Stakhiev. Lit. slav. mat. 8 53-69 '63.

POLITICAL PRISONERS
(see also subdivision under Greece)

Unknown poems of the prisoners of the Shlisselburg Fortress. E. G. Bushkanets. Ist. arkh. 8 no. 2, 203-210 Mr-Ap '62.

POLITICAL SCIENCE

Chalyad, B. A. [Political philosophy of present-day imperialism, critical evaluation of its principal concepts] Politicheskaia filosofiia sovremennogo imperializma, kritika osnovnykh kontseptsii. Moskva, Izd-vo IMO, 1963. 245 p.

Some aspects of present-day bourgeois political ideas. V. E. Gulyev. Vest. Mosk. un. Ser. 10; Pravo 18 no. 4; 14-17 O-D '63.

POLIUSHENKO, ANDREI PETROVICH

Substance of life. Ogonek 41 no. 30;6 S '63.

POLONIUM

Alpha-decay mechanism and reduced level widths of Po^{210} and Po^{212} nuclei. K. B. Baktybaev, G. M. Bukat. Izv. AN SSSR, Ser. fiz. 27 no. 10;1297-1304 O '63.

Emission of long-range α-particles ($E_\alpha > 10$ Mev) by Pu^{239} and Po^{210} nuclei. V. N. Andreev, S. M. Sirotkin. Izv. AN SSSR, Ser. fiz. 27 no. 10 1250-1252 O '63.

POLOTSK—CONSTRUCTION INDUSTRY

In Polotsk. Stroitel' 9 no. 10;9 O '63.

POLOTSK—PETROLEUM REFINERIES

Answer for the job you are entrusted with. L. Fridman. Sov. profsoiuzy 19 no. 19 9-11 O '63.

POLOTSK—TRADE UNIONS—OFFICERS

Answer for the job you are entrusted with. L. Fridman. Sov. profsoiuzy 19 no. 19 9-11 O '63.

POLTAVA PROVINCE—COLLECTIVE FARMS

We know him, our father knew him.... Martha Pinchuk. Mol. komm. no. 10;65-67 O '63.

POLTAVA PROVINCE—LEAF BUGS

Leaf bugs (Heteroptera, Miridae) in Poltava Province. V. F. Puchkov. Pratsi Inst. zool. AN URSR 17 71-84 '61.

POLTAVA PROVINCE—POULTRY BREEDS

Poltava hens. T. S. Lent. Shor. rab. mol. uch. VNIIP no. 4, 70-79 '62.

POLTAVA PROVINCE—SWINE—FEEDING AND FEEDS

A very active woman. Iu. Palatov. Sov. profsoiuzy 19 no. 19 31-32 O '63.

POLYAMIDES

Adhesion of some polyamide films to metals and alloys. Sh. M. Bilik, Iu. B. Iasson. Trudy TSNII MPS no. 267 12-21 '64.

Colloid chemical mechanism underlying the bonding of alkyd and polyamide resins in a solvent to produce a thixotropic alkyd gel. A. A. Trapeznikov, E. P. Shchitpanova. Dokl. AN SSSR 152 no. 6 1402-1411 O '63.

Mitrovich, V. P. [Study of friction between polyamides and steel] Issledovanie trenila poliamidov po stali. Moskva, Izd-vo Akad. nauk SSSR, 1963. 94 p.

PK-2 press for die casting of polyamide parts. S. I. Bronshtein, A. IA. Zeltsbenko. Sudostroenie 29 no. 9, 51-54 S '63.

POLYETHYLENE

Paint mixes and coatings based on sulfochlorinated polyethylene. I. S. Okhrimenko, A. D. Iakovlev, K. B. Kuznetsova. Lakokras. mat. i ikh prim. no. 1 25-30 '62.

POLYETHYLENE, EFFECT OF RADIATION ON

Gas evolution kinetics in low-temperature radiolysis of paraffin and polyethylene. G. K. Vasil'ev, V. I. Shmat, V. L. Tal'roze. Dokl. AN SSSR 152 no. 2 356-358 S '63.

POLYMERIZATION

Catalytically active particles in the $TiCl_4$ + Et_3Al system during the polymerization of ethylene. F. Varadi, V. I. Tsvetkova, N. M. Chirkov. Dokl. AN SSSR 152 no. 4;908-910 O '63.

Cation activity of the components in a "cobalt" system and the nature of the end groups in a polymeric chain. F. I. Dintakova and others. Dokl. AN SSSR 152 no. 6 1376-1378 O '63.

Copolymerization of some derivatives of dihydronaphthalene and dihydroacenaphthene with maleic anhydride. K. A. Kornev, V. A. Shtukovich, G. V. Cherniavskii. Ukr. khim. zhur. 29 no. 8 840-842 '63.

Polymerization capacity of tin-containing monomers. M. M. Koton, L. F. Dokukina. Dokl. AN SSSR 152 no. 6;1357 O '63.

Polymerization of amylenes under the action of high-energy electrons. G. M. Panchenkov and others. Izv. vys. ucheb. zav., neft' i gaz 5 no. 1;57-58 '62.

Polymerization of aryl glycidol esters in the presence of metal halides. M. F. Sorokin, L. S. Mikhailova. Lakokras. mat. i ikh prim. no. 5;10-15 '63.

Separation of ions on the basis of their different ability to polymerize in solution. A. K. Babko, G. I. Gridchina. Zhur. prikl. khim. 36 no. 8 1722-1725 Ag '63.

Studying the activity of catalysts on the basis of biscyclopentadiene compounds of titanium in the polymerization of ethylene [with summary in English]. H. Kaar, O. Kirret, G. Shvindlerman. Izv. AN Est. SSR, Ser. fiz.-mat. i tekh. nauk 12 no. 3 295-300 '63.

Studying the reaction of the copolymerization of styrene with linolic acid. V. V. Shneidertova. Lakokras. i mat. ikh prim. no. 1;33-37 '62.

POLYMERS

[The chemistry and technology of polymers, translations and surveys from foreign periodical literature] Khim. i tekh. polim., sbor. perev. i obz. iz inostr. period. lit. 7 nos. 9-11 '63.

Determination of the structure of polymers by the MO LKAO method [with summary in English]. N. P. Borisova, L. P. Bokacheva. Vest. LGU 18 no. 16;120-126 '63.

Device for determining the relaxation of stresses in polymers. G. G. Popov, V. N. Shlapina. Kauch. i rez. 22 no. 10;43-44 O '63.

Dielectric structure and properties of cumulated systems. Part 2. Plasticity and energy spectrum of inorganic cumulenes. F. M. Shustorovich. Zhur. strukt. khim. 4 no. 3, 773-776 S-O '63.

Experimental use of antifriction polymeric materials on locomotives. Sh. M. Bilik and others. Trudy TSNII MPS no. 267 46-59 '63.

Graft copolymers. V. V. Korshak, K. K. Mogova. Vest. AN SSSR 33 no. 10 37-42 O '63.

Methylene polymers. V. Chernobrovenko. Nauka i zhyttia 12 no. 4;16-17 Ap '63.

Nature of the contact of some polymeric materials after abrasion with bodies of various roughnesses. Iu. B. IAsson. Trudy TSNII MPS no. 267 25-37 '63.

Polymers of glycide ethers. Report No. 4. Obtaining polymers of allyl glycid ethers in the presence of basic catalysts. M. F. Sorokin, V. A. Kochnova, Lakokras. mat. i ikh prim. no. 1 6-9 '62.

Polymers of glycide ethers. Report No. 5. Obtaining polymers of aryl glycide ethers in the presence of basic catalysts. M. F. Sorokin, L. G. Shode, L. S. Mikhailova. Lakokras. mat. i ikh prim. no. 4 10-14 '62.

Present state and perspectives of the growth of the production of polymer flour materials. S. V. Paparigopulo, M. F. Strizhevskii. Stroi. mat. 9 no. 10;17-19 O '63.

Radioactivation method for determining oxygen in some polymers [with summary in English]. I. V. Chepel', B. A. Chipyzhnikov, B. I. Viting. Zhur. anal. khim. 18 no. 7 865-872 Jl '63.

Sanitary and chemical investigation of synthetic materials based on polyvinyl chloride. N. I. Stepak. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9;121-126 '61.

Selecting the optimum thermal conditions for the production of polymeric coatings with the method of whirl sintering. Iu. S. Klopotov, G. V. Mashukova. Trudy TSNII MPS no. 267 38-45 '63.

Simple derivation of the equation of state for polymers. V. N. Pokrovskii. Fiz. tver. tela 5 no. 10 3018-3020 O '63.

Sulfur-containing polymers and possibility of their utilization as film-forming agents; brief literature review. B. B. Livshits. Lakokras. mat. i ikh prim. no. 4;79-85 '62.

Synthesis means of citation. V. Karbin. Nauka i zhyttia 13 no. 3;4-5 Mr '63.

Synthesis of polymers from the nitriles of aromatic and fatty acids by polycondensation reaction. V. V. Korshak, S. L. Sosin, V. A. Vasnev. Dokl. AN SSSR 152 no. 1;872-874 O '63.

Use of infrared spectra in the study of molecular interaction in polymers and their hydrated monomers. Part 1. Hydrated monomers and copolymers. G. P. Mikhailov, A. L. Smolianskii. Opt. i spektr. 15 no. 4 471-477 O '63.

POLYMETHYLENE

Structure and properties of vulcanizates made from chlorosulfonated polyethylene. N. D. Zakharov, V. M. Podrezhikina. Kauch. i rez. 22 no. 10 9-11 O '63.

POLYMORPHISM

High-temperature polymorphism of beryllium. V. M. Amonenko and others. Fiz. met. i metalloved. 12 no. 6;865-872 D '61.

Variation and polymorphism of whitefishes with respect to the characteristics of their feeding habits in the bodies of water of the North. Iu. S. Reshetnikov. Dokl. AN SSSR 152 no. 6 1465-1466 O '63.

POLYMYXINS

Chemistry of polymyxin M. Part 7. Synthesis of pentides of L-α,γ-diaminobutyric acid. N. V. Fedoseeva, I. R. Telesnina, A. B. Silaev. Zhur. ob. khim. 33 no. 8 2760-2761 Ag '63.

POLYNEURITIS see Neuritis, Multiple

POLYNOMIALS

Inequalities for harmonic polynomials. IA. S. Bugrov. Izv. vys. ucheb. zav.; mat. no. 5;12-23 '63.

Riemann's boundary value problem in a space of generalized functions and Faber polynomials. V. S. Rogozhin. Dokl. AN SSSR 152 no. 6 1308-1311 O '63.

Using Laguerre polynomials in determining approximate dynamic characteristics of controlled objects. A. A. Strel'tsov. Izv. vys. ucheb. zav., mashinostr. no. 7, 31-44 '63.

POLYPLOIDY

Anatomy of the vegetative organs of two tetraploid species of wheat. Iu. I. Berkhin. Bot. zhur. 48 no. 9,1368-1373 S '63.

Effect of alkaloids on meiosis and fertilization of the ovule of sugar beets and the effectiveness of such actions in producing polyploids [with summary in English]. N. E. Zalkovskaia. Zhur. ob. biol. 24 no. 1;74-79 Ja-F '63.

Effect of polyploidy on the radiation injury of wheat cells [with summary in English]. N. A. Izmozherov. Trudy MOIP Otd. biol. 7;203-206 '63.

POLYSACCHARIDES

[illegible] Determination of the molecular weight of polysaccharides by the method of light scattering. [illegible] Biokhimiia 28 no.2 191-211 '63.

POMEGRANATES

[illegible] Pomegranate juice as a remedy for hypertension. [illegible] Sov.med. 27 no.2 [illegible] '63.

PONTOONS

[illegible] Pontoon [illegible] Pontoon [illegible] Sbor.inform.mat.Upr.stroi.put' [illegible] '63.

PONTOONS—TESTING

[illegible] Testing [illegible] Pontoon [illegible] Put' i put. khoz. 7 no.8 [illegible] Ag '63.

POPOV, ALEKSANDR SERAFIMOVICH, 1863-1943

"The story of my life" by A. S. Popov, on the 100th anniversary of his birth. [illegible] Elektrosviaz' 17 no.2 [illegible] F '63.

See also the letter to the editor of the Bulletin of the Academy of Sciences USSR Ser. hist. sci. 22 no.5 444-449 S-O '63.

POPULATION

[illegible] population. Finansy 38 no.9 106-107 '63.

PORK

Quality of meat in Large White and Hungarian swine and their hybrids. N. S. Akopian. Dokl. TSKHA no.69 157-443 '61.

POROSITY

Calculating the technological parameters of the pore-forming process for slag melts involving the use of [illegible]. L. I. Portnova, Sh. M. [illegible] 6 no.7 [illegible] Jl '63.

Effect of initial porosity on the nature of change in pore structure of aluminosilica gels and silica gels during their sintering. V. V. Kiselev, Iu. S. Nikitin. Kin. i kat. 4 no.4 649-651 Jl-Ag '63.

Relationship between the deformation modulus of West Siberian dust sands and the porosity coefficient. I. G. Frantsev, V. I. Shiro. Trudy NIIZHT no.28 151-154 '62.

Specific heat of vaporization of moisture from capillary-porous bodies. [With summary in English] V. M. Kuznetsov. Inzh.-fiz. zhur. 6 no.11 56-64 N '63.

POROUS MATERIALS

Classification of porosities in reactors materials. K. K. Ivanov, V. I. Bessonov. Ogneupory 28 no.10 466-471 '63.

Effect of the physicochemical properties of entrapped gases on the impregnation of porous bodies. B. V. Deriagin, N. A. Alikhanova. Dokl. AN SSSR 152 no.4 911-914 O '63.

POROUS MATERIALS—TESTING

Relationship between the air gap and porosity or disperse media [with summary in English]. V. A. Evgrafov. Inzh.-fiz. zhur. 6 no.10 112-114 O '63.

PORPHINE

Spectral study of the photoreduction of tetraphenylporphine. A. N. Sidorov, V. G. Vorob'ev, V. N. Terenin. Dokl. AN SSSR 152 no.4 919-922 O '63.

PORTLAND CEMENT

Effect of alkalies on the mineral-forming process and hydration of calcium silicates. V. F. Chernykh and others. Tsement 29 no.5 7-9 S-O '63.

PORTNOV, ANZHEL IOSIFOVICH, 1895-

Anzhel Iosifovich Portnov. Ast.delo 12 no.3-4 S-O '63.

ARIES—RUSSIAN

,600 words] 5600 slov
ired A. Tor-
iblits russkogo
i, Gos. izd-vo
605 p.
IOFHLM]

[with summary
teor. 112, 45

Egypt

G. A. Svistel'-
'63.

ndence] Sorti-
zd 2 , perer.
(Posobiia

Work practices of the leading workers should be followed by all postal service employees. Vest. sviazi 23 no.8 [illegible] Ag '63.

POSTAL SERVICE—EQUIPMENT AND SUPPLIES

The quality of fancy postcards and envelopes should be improved. V. M. Popov and others. Vest. sviazi 23 no.8 20-21 Ag '63.

POSTERS

Let's wash [illegible] into secluded corners. M. Ioffe. Sanitar no.10 62-63 Ag '63.

Posters by V. Mayakovskii. E. Dinershtein. Iskusstvo 26 no.10 47-53 '63.

Posters showing the achievements of the foremost farmers. Komm. Mold. 8 no.10 77-78 O '63.

POSTERS—BIBLIOGRAPHY see Bibliography—Posters

POSTURE

Good posture. Rab. i krest. 39 no.9 23 S '63.

Methodology of the hygienic evaluation of working postures of school children. V. G. Sukharev. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no.2 22-23 '59.

Posture. N. Belskaya. Sem'ia i shkola 18 no.10 12-14 O '63.

Posture can be corrected. N. Belskaya. Sem'ia i shkola 18 no.11 12-13 N '63.

POTASSIUM—ANALYSIS

Rapid method for the determination of potassium in soil [with summary in English]. L. I. Smirnov, V. N. Natal'ina, R. I. Uznetsov. Zhur. anal. khim. 18 no.9 1049-1053 S '63.

Rapid method for the volumetric determination of potassium. A. V. Pavlinova and others. Ukr. khim. zhur. 29 no.8 857-858 '63.

POTASSIUM BROMIDE, EFFECT OF RADIATION ON

Effect of divalent impurities on the radiation stability of alkali halide crystals. M. I. Ignat'eva, E. K. Zavadovskaia, I. IA. Melik-Gaikazian. Fiz. tver. tela 5 no.10 2775-2779 O '63.

POTASSIUM CARBONATES

On certain properties of water-acetone solutions of potassium bicarbonate and carbon dioxide. I. V. Semenozhin, L. K. Lykova. Vest. Mosk. un. Ser. 2 Khim. 18 no.5 26-28 S-O '63.

Use of water-acetone solutions of potassium bicarbonate for separating carbon isotopes. Part 2. I. V. Semenozhin, L. K. Lykova, A. G. Serenkova. Vest. Mosk. un. Ser. 2 Khim. 18 no.5 29-31 S-O '63.

POTASSIUM CHLORIDE CRYSTALS

Effect of certain activating and nonactivating additions on the formation and breakdown of trapping centers in KCl single crystals. T. D. Alieva, A. Kh. Khalilov, Izv. AN Azerb. SSR. Ser. fiz.-matem. i tekh. nauk. no.4 85-90 '63.

Observation of local vibrations in the Raman effect in crystals of potassium chloride with lithium impurity. A. I. Stekhanov, M. B. Elkhasbeyr. Fiz. tver. tela 5 no.10 2985-2987 O '63.

POTASSIUM CYANOPLATINATE

Synthesis of potassium cyanoplatinate. I. I. Chernyaev, V. V. Babkov. Dokl. AN SSSR 152 no.4 880-883 O '63.

POTASSIUM ORES

Effect of macroscopic defects in natural potassium minerals on their gravity separation. Kh. M. Aleksandrovich, M. M. Pavliuchenko. Dokl. AN BSSR 7 no.10 684-687 O '63.

POTASSIUM SALTS see subdivision under Stebnik region

POTASSIUM TANTALATE

Interaction of potassium tantalate with salts of certain metals. A. V. Lapitskii, V. I. Bezrukov, L. G. Vlasov. Vest. Mosk. un. Ser. 2 Khim. 18 no.5 32-34 S-O '63.

POTATO BEETLE

Physiological characteristics of Colorado beetle (Leptinotarsa decemlineata Say) [with summary in English] R. S. Ushatinskaia, D. V. Petrova. Izv. AN SSSR. Ser. biol. 28 no.5 735-745 S-O '63.

POTATO DIGGER (MACHINE)

Calculating the intake part of a conveyor type plant-top removing machine. V. N. Doroshev, G. P. Pleshakov. Trakt. i sel'khozmash. 33 no.3 26-29 Mr '63.

POTATO MACHINERY

Improve machines for growing potatoes. I. Mukhin. Tekh. v sel'khoz. 23 no.6 14-17 Je '63.

Mechanization of potato harvesting. P. N. Nastenko. Trudy UkrNIISP no.5 221-230 '59.

POTATOES

(see also subdivision under Ararat region, Komi A. S. S. R.; Sevan Lake region)

Conference on the mechanization of potato growing and harvesting. A. I. Kalamin. Trakt. i sel'khozmash. 33 no.7 48 Jl '63.

Scientific and technical conference on the mechanization and technology in the manufacture of starch and products from potatoes. B. Abdugafarov. Sakh. prom. no.9 71-74 S '63.

Secret of [illegible]. Vilkas Bin. Dok. i rab. [illegible] '63.

POTATOES—DISEASES AND PESTS see subdivision Kazakhstan

POTATOES—ECONOMIC ASPECTS see subdivision under Ukraine

POTATOES—HARVESTING

Loosening of the soil layer of potatoes during the harvesting period. M. Kondrat'ev. Trakt. i sel'khozmash. 33 no.8 41 Ag '63.

POTATOES—VARIETIES see subdivision under [illegible]

POTLKHIN, IVAN IZOSIMOVICH, 1903

The most important work of I. I. Potelkhin, an outstanding [illegible]. Nov. v zhiv. i rast. no.5 [illegible] '63.

POTENTIAL, THEORY OF

Elevating property of direct value of [illegible] tials for the comparison function and in the [illegible] solution of general second-order elliptic [illegible] Van Tam. Dokl. AN SSSR 152 no.6 [illegible] O '63.

Potential distribution in a [illegible] contacts. S. A. M[illegible]. Zhur. tekh. fiz. 33 no.9 [illegible] '63.

POTENTIOMETER

Multiplication and division using linear potentiometers. B. I. Chistov. Radio no.10 30-32 O '63.

POTENTIOMETRIC ANALYSIS

Potentiometric titration of mixtures of dibasic [illegible] veline, cadaverine, phenylalanine and diamino [illegible] mers in buffer. IA. M. Berezovskii, L. I. [illegible] Apt. delo 12 no.5 27-31 S-O '63.

POTTERY

(see also subdivision under Korea, North)

Rapid glazing of decorated faience articles. [illegible] M. Kh. Fuchila, V. I. Tabunshchik. Fayans. prom. 4 [illegible] '63.

POTTERY, ORIENTAL see subdivision under [illegible]

POULTRY

(see also subdivision under Baku, Buddhist Priest Siberia, Western, Uzbekistan)

Chemical composition of the tissues of hybrid [illegible] and characteristics of the protein breeds of various [illegible] summary in English] O. V. Chechetkin. Biokhimiia 28 no.3 [illegible] '63.

Labor productivity in raising chicks for meat under [illegible] tions of production. O. I. Ondrbchuk. Sbor. nauch. rab. nauch. tsch. VNIIP no.1 [illegible] '62.

Meat quality of chicks as related to the age and [illegible] characteristics. G. P. Petrova. Dokl. TSKHA [illegible] 151-158 '61.

Proteins and protein fractions of the blood serum [illegible] in relation to the growth and productivity. Z. I. [illegible] dova. Dokl. TSKHA no.69 227-230 '61.

POULTRY—DISEASES AND PESTS
(see also subdivision under Baku)

Xenogenic method of vaccination against fowl plague. M. I. Prokof'eva, V. P. Golubnichii. Veterinariia [illegible] no.2 [illegible] F '60.

Antibiotics in experimental poliomyelitis in [illegible]. A. I. Shelkunina and others. Veterinariia [illegible] 6 '60.

POULTRY—FEEDING AND FEEDS
(see also subdivision under Ukraine)

Content of the rumen as additional feed for chicks. O. A. Shyzanenko. Visnyk sil'skogosp. nauky 4 no.4 111 113 Ap '63.

Determining the most efficient methods for feeding emulsified preparation of vitamin A in rations for meat. V. N. Ageev. Sbor. rab. nauch. tsch. VNIIP [illegible] 80-90 '62.

Effect of the type of feeding on the growth and development of Moscow broilers. V. IA. Golubchikhina. Dokl. TSKHA no.69 145-150 '61.

Establishing protein norms in feed rations for laying, raising young poultry. M. P. Romanov. Dokl. TSKHA no.69 119-127 '61.

Feeding of poultry. V. K. Dymon. Shkola i proizv. 7 no.10 64-68 O '63.

Highly nutritive rations for chicks raised for meat. V. I. Ermolaeva. Sbor. rab. nauch. tsch. VNIIP no.4 [illegible] '62.

Practices in feeding chicks raised for meat during the fall-winter period. I. M. Ostrovnoi. Sbor. rab. nauch. tsch. VNIIP no.4 99-103 '62.

POULTRY—PARASITES see Parasites—Poultry

POULTRY—PHYSIOLOGY

Breed-related differences in mineral metabolism [illegible] bones. I. S. Kutikov. Sbor. rab. nauch. tsch. VNIIP [illegible] 193-202 '62.

POULTRY—PHYSIOLOGY (Continued)

Effect of early physiological maturation of hens on their productivity and the breeding quality of the progeny. B. V. Smirnov. Sbor. rab. mol. uch. VNIIP no. 4:23-33 '62.

Ontogenic characteristics of protein and nucleoprotein metabolism in chick tissues. A. V. Chechetkin. Sbor. rab. mol. uch. VNIIP no. 4:183-192 '62.

Some characteristics of the interrelation between nitrogen and energy metabolism in the ontogenesis of hens. I. N. Sinitsyovskaia. Sbor. rab. mol. uch. VNIIP no. 4:177-182 '62.

POULTRY BREEDING see subdivision under Azerbaijan

POULTRY BREEDS see subdivision under Poltava Province, Ul'yanovsk Province

POULTRY HOUSES AND EQUIPMENT

Comparative effectiveness of labor organization as related to the mechanization of production in keeping layers in cages on the "Ul'zhnyi" State Farm and at the Glebovo Poultry Plant. A. IA. Golubev. Sbor. rab. mol. uch. VNIIP no. 4:3-8 '62.

POULTRY INDUSTRY—COSTS

Poultry cost analysis. F. T. Basiuk. Dokl. i soob. VNIESKH no. 16 112-117 '63.

POULTRY INSPECTION

Compound method for determining the degree of freshness of poultry meat. P. V. Zhitenko. Trudy Mosk. vet. akad. 12:234-247 '56.

POULTRY PLANTS see subdivision under Germany, East

POWDER METALLURGY

Forward flow in rolling strips from metal powders. V. P. Severdenko, E. B. Lozhechnikov. Dokl. AN BSSR 7 no. 4:244-246 Ap '63.

Mineral metallurgy. K. Ivanov. Nar. khoz. Kazakh. 21 no. 8:75-77 Ag '63.

Powdered metal filters. E. I. Pavlovskaia, V. S. Rakovskii. Vest. mashinostr. 43 no. 10 37-38 O '63.

Production of powder carbonyl iron abroad. I. S. Tomashskii, V. G. Syrkin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 89-90 '63.

POWER ENGINEERING

Fifth stage of power engineering. M. Korneev. Tekh. mol. 30 no. 8 19-21 '62.

Through the pages of technical journals. Energetik 11 no. 10 43-44 O '63.

Through the pages of technical magazines. Energetik 11 no. 11 41-42 N '63.

POWER PLANTS—SAFETY MEASURES see subdivision under Irkutsk Province

POWER PRESSES

Experiment in increasing the operational efficiency of GMP macaroni presses. S. A. Mukhina. Khleb. i kond. prom. 6 no. 1:35-38 Ja '62.

POWER TRANSMISSION

Preparing a design chart for dynamic calculations of gearboxes. E. I. Rivin, L. B. Kotliarenko. Stan. i instr. 34 no. 10:13-16 O '63.

PRAGUE—THEATER

Our guests. Ukraina no. 13:26 Je '61.

PRASEODYMIUM ISOTOPES—DECAY

Decay of Pr^{139}. E. I. Biriukov, V. T. Novikov, N. S. Shimanskaia. Izv. AN SSSR. Ser. fiz. 27 no. 11:1408-1411 N '63.

PRECAST CONCRETE

Manufacture of reinforced concrete elements using production-line techniques. G. K. Arkhangel'skii. Transp. stroi. 12 no. 3:14-17 Mr '62.

Manufacture of sections of reinforced concrete culverts with waterproofing. A. F. Zhukov. Transp. stroi. 12 no. 3:19-22 Mr '62.

PRECAST CONCRETE—TRANSPORTATION

Transportation of large-sized elements. D. G. Odintsov, V. V. Pushkarev. Mekh. stroi. 20 no. 8:11-13 Ag '63.

PRECAST CONCRETE CONSTRUCTION

Akademiia stroitel'stva i arkhitektury SSSR. Institut stroitel'nykh konstruktsii. [Seismic stability of precast large-panel buildings] Seismostoikost' sbornykh krupnoelementnykh zdanii. Pod obshchei red. S. V. Poliakova. Moskva, Gosstroiizdat, 1963. 205 p.

Akademiia stroitel'stva i arkhitektury SSSR. TSentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture. [Apartment houses and standard buildings serving cultural and public needs in foreign countries built with modern structural elements and materials] Zhilye i massovye kul'turno-bytovye zdaniia s primeneniem progressivnykh konstruktsii i materialov v zarubezhnom stroitel'stve. Moskva, Gosstroiizdat, 1963. 104 p. (Its Opyt zarubezhnogo stroitel'stva, no. 10)

Large buildings and great tasks, remarks on large-panel housing construction. K. Zhukov. Nov. mir 39 no. 2 239-253 F '63.

Nomenclature of precast reinforced concrete construction and standardized outline drawings of multistory industrial buildings. Biul. stroi. tekh. 20 no. 10 24-27 O '63.

Precast reinforced concrete and method of standardizing hydroelectric power stations. M. I. Syrovezhin. Sbor. nauch. rab. DVNIIS no. 1:209-214 '61.

Precast slanting shells. IU. V. Chinenkov. Prom. stroi. 41 no. 9 19-21 S '63.

Underwater assembly of precast slip ways on shell piles. N. V. Krasov, G. D. Khashchakikh. Transp. stroi. 12 no. 3 26-30 Mr '62.

Unification of precast reinforced concrete hoppers. M. IU. Astrab, N. A. Ushakov. Prom. stroi. 41 no. 10 15-17 O '63.

PRECIPITATION (CHEMISTRY)

Countercurrent precipitation of copper germanate. N. S. Fortunatov, L. E. Slobtsov, I. A. Leont'eva. Ukr. khim. zhur. 29 no. 8 864-868 '63.

Precipitation isotherm. V. V. Rachinskii, A. A. Lur'e. Dokl. AN SSSR 152 no. 6:1365-1368 O '63.

Use of malic acid for the precipitation reactions of metal hydroxides and metal hydroxyquinolinates. I. V. Piatnitskii, G. A. Khomenko. Ukr. khim. zhur. 29 no. 8 851-856 '63.

PRECIPITATION (METEOROLOGY)
(see also subdivision under Georgia)

Some characteristics of clouds in relation to their precipitation. I. P. Polovina. Trudy UkrNIGMI no. 31 145-157 '62.

PRECISION CASTING

Automatic control of the process of obtaining undercuts in investment patterns. N. N. Kandaurov, S. M. Berlin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 29-31 '63.

Precision casting methods in small-batch and test production. R. A. Korotkov. Alium. splavy no. 1 202-209 '63.

PREFABRICATED BUILDINGS see Buildings, Prefabricated

PREGNANCY, COMPLICATIONS OF

Akademiia meditsinskikh nauk SSSR. Moscow. [Intrauterine infection] Vnutriutrobnaia infektsiia. Pod red. S. M. Bekkera. Leningrad, Medgiz, 1963. 247 p. (DNLM)

Clinical hematological characteristics of anemia in pregnant women. M. N. Malkova, I. P. Ivanov, N. A. Tsagikian. Kaz. med. zhur. no. 2:61-64 Mr-Ap '63.

Functional disorders of the maternal hypophysis during pregnancy as an injurious factor in the development of children and particularly of their brain. N. S. Sazonova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 41-43 '61.

Late pregnancy toxemias. P. V. Manenkov, A. S. Lepeshkina. Kaz. med. zhur. no. 2:64-66 Mr-Ap '63.

Procreative function of women after conservative myomectomy. R. A. Kurbatova, V. A. Beliaeva. Kaz. med. zhur. no. 2:60-61 Mr-Ap '63.

PREGNANCY, EXTRAUTERINE

Cervical pregnancy. E. Z. Rabinovich. Kaz. med. zhur. no. 1:82-83 Ja-F '61.

PREOBRAZHENSKITE

New data on preobrazhenskite. V. V. Kondrat'eva. Kent. min. syr. no. 2:88-93 '62.

PRESCHOOL EDUCATION see Education, Preschool

PRESS see subdivision under Germany, West

PRESS, CATHOLIC

Those who march backwards. L. Rovinskii. Nov. vrem. 21 no. 39:18-19 S '63.

PRESTRESSED CONCRETE

Pontoon made of prestressed heavy reinforced concrete. B. N. Serebrennikov. Sudostroenie 29 no. 9:43-44 S '63.

PRESTRESSED CONCRETE—TESTING

Results of static testings of an experimental pontoon of prestressed heavy reinforced concrete. B. N. Serebrennikov, E. I. Lapin. Sudostroenie 29 no. 9:45-48 S '63.

PRESTRESSED CONCRETE CONSTRUCTION

Bylio, G. I., and others. [Technical information; production on movable stands of prestressed reinforced-concrete beams, transportable in one piece, with a span of 33.5 m. for railroad loads] Tekhnicheskaia informatsiia; izgotovlenie na podvizhnykh stendakh tsel'noperevozimykh zheleznodorozhnykh predvaritel'no napriazhennykh balok proletnykh stroenii proletom 33,5 m. pod zheleznodorozhnuiu nagruzku (opyt Mostootriada-10 ordena Lenina Mostotresta). Moskva, Orgtransstroi, 1963. 20 p.

[MICROFILM]

Mikhailov, V. V. [Prestressed concrete structures, theory, design and selection of sections] Predvaritel'no napriazhennye zhelezobetonnye konstruktsii, teoriia, raschet i podbor secheniia. Moskva, Gosstroiizdat, 1963. 606 p.

Rigidity of prestressed cellular concrete tile roofing under lasting stress. I. A. G. Sungatullin, V. I. Ponomareva. Prom. stroi. 41 no. 9 31-33 S '63.

PRICES

Pseudo-scientific studies of bourgeois economists [with summary in English, p. 72]. P. Abramov. Vnesh. torg. 43 no. 10 13-17 '63.

Rasshirennaia sessiia Nauchnogo soveta po problemam tsenoobrazovaniia, 1st, 1962. [The essential social labor expenditures, costs and profitableness] Obshchestvenno neobkhodimye zatraty truda, sebestoimost' i rentabel'nost', materialy. Pod red. V. P. D'iachenko. Moskva, Izd-vo Akad. nauk SSSR, 1963. 422 p.

PRIME NUMBERS see Numbers, Prime

PRIMITIVE SOCIETY see Society, Primitive

PRINTED CIRCUITS

Experience in substituting paint coatings for the paper masks used in the group soldering of printed circuits. A. P. Il'in. Lakokras. mat. i ikh prim. no. 5 67 '63.

PRINTING—HISTORY

Publications of the Novgorod-Severski printing house and the false Chernigov publications of 1674-1679. S. A. Klepikov. Kniga, issl. i mat. 8:255-278 '63.

Sources for the Amsterdam publication "Simvoly i emblemata" (1705). A. I. Markushevich. Kniga, issl. i mat. 8:279-290 '63.

PRINTING—HISTORY—BIBLIOGRAPHY see Bibliography—Printing—History

PRINTING INDUSTRY see subdivision under Germany

PRINTING INDUSTRY—EQUIPMENT AND SUPPLIES

[Technology and equipment of the papermaking and printing industry] Ref. zhur.: Tekh. i obor. bumagodel. i poligr. proizv. nos. 11-12 N-D '63.

PRINTING MACHINERY AND SUPPLIES see subdivision under Leningrad

PRIPET VALLEY—MINERALS

Some features of the mineralogical composition of Devonian intersalt deposits in the Pripet fault. A. S. Makhnach, T. A. Shevchenko. Dokl. AN BSSR 7 no. 4 251-254 Ap '63.

PRISONS

We should individualize the treatment of convicts. V. Lashko. Sov. iust. no. 13 28 Jl '63.

PRISONS—LAWS AND REGULATIONS

A theoretical conference in Karaganda on the problems of corrective labor law. A. A. Piontkovskii. Sov. gos. i pravo 33 no. 10:150-151 O '63.

PROBABILITIES

Ito, Kiyoshi. [Probabilistic processes. Translated from the Japanese] Veroiatnostnye protsessy. Pod red. E. B. Dynkina. Moskva, Izd-vo inostr. lit-ry No. 2, 1963. 135 p.

One of the possible applications of the theory of probability to radiation cytogenetics. N. V. Luchnik. Prim. mat. metod. v biol. no. 2:177-182 '63.

The probability category and modern "physical idealism." G. A. Geyorkian. Izv. AN Arm. SSR. Obshchestv. nauki no. 9-3-16 S '63.

Unlimitedly divisible laws with unbounded Poisson spectrum. I. V. Ostrovskii. Dokl. AN SSSR 152 no. 6 1301-

PROGRAMMED INSTRUCTION

[illegible] programmed instruction, planning, and stimulation [illegible] Vest. vys. shkoly, 21 no. 10 [illegible] O '63.

Introduction to the theory of teaching [illegible] Vest. vys. shkoly 21 no. 10 31-34 O '63.

Some principles of programmed instruction abroad. IU. I. [illegible], V. M. Fedorovskaia. Radio 42 no. 10 [illegible] O '63.

PROGRAMMING (ELECTRONIC COMPUTERS)

Automatic [illegible] system of coding chemical compounds [illegible] Zhur. strukt. khim. 4 no. 2 253-257 '63.

Chukin, I. A. [Programming for electronic digital computers] Programmirovanie dlia elektronnykh tsifrovykh vychislitel'nykh mashin; spravochno-metodicheskoe posobie [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1963. 64 p.

Automated programmed control of machines for hard to machine and intricately shaped parts. V. A. Timofeenko, G. P. Lisko. Avtom. i prib. no. 10 5:34-42 S '63.

Principles of automatic recording of phase fields on diagrams of state in case of binary metal systems. V. S. Shorin. Zav. lab. 29 no. 3 331-335 '63.

Practical principles of automatic control systems. O. P. Bardachev, V. S. Gerasimov. Avtom. i prib. no. 4 16-18 O '63.

Programmed control systems with self-correction, built on the basis of numerical techniques. V. N. Nikulin. Avtom. i prib. no. 5 26-33 '63.

Recommendations on the governing and control of spot and roll drilling. P. L. Chulovskikov, V. B. Vendenskii. Avtom. i prib. no. 5 11-15 '63.

Retrieval of information in a dictionary made by the compressed code method. K. I. Kurbakov, R. B. Smirnov. NTI no. 2 46-49 '63.

Some properties of Hemming's code. A. V. Petrosian, B. S. Mnatsakanian, Sh. F. Bozian. Dokl. AN Arm. SSR 37 no. 1 3-6 '63.

PROGRAMMING (ELECTRONIC COMPUTERS)—STUDY AND TEACHING

Teaching the course "Mathematical machines and programming." A. A. Kampe-Nemm. Vest. vys. shkoly 21 no. 10 62-64 O '63.

PROGRAMMING LANGUAGES (ELECTRONIC COMPUTERS)

Algorithmic method of extracting subject concepts for the compilation of indexes (the called pairs method). B. V. Tikushin. NTI no. 7 12-20 '63.

Algorithms representability of sets by calculi. S. IU. Maslov. Dokl. AN SSSR 152 no. 2 272-274 S '63.

PROGRESS

From the history of the idea of progress in Russia. V. G. Asiamov. Izv. AN Arm. SSR. Obshchest. nauki no. 3 37-48 '63.

PROJECT METHOD IN TEACHING

Brief notes on books. Vest. vys. shkoly 21 no. 10 93-96 O '63.

Students working on graduation projects bring to light economic potentialities of factories. V. V. Doronina. Vest. vys. shkoly 21 no. 10 25-26 O '63.

PROJECT TELSTAR

The monopolies try to seize the universe. I. Cheprov. Mezhdunar. zhizn' 10 no. 12 49-67 D '63.

PROKHANOV, IAROSLAV IVANOVICH, 1902-

Iaroslav Ivanovich Prokhanov; on his 60th birthday. D. S. Omarov. Bot. zhur. 48 no. 9 1401-1403 S '63.

PROKOF'EV, SERGEI SERGEEVICH, 1891-1953

Katonova, S. V. [S. Prokof'ev's ballets] Balety S. Prokof'eva. Moskva, Sovetskii kompozitor, 1962. 28 p. (V pomoshch' slushateliam narodnykh universitetov kul'tury. Besedy o muzyke) (MiU)

PROKOP'YEVSK—INFLUENZA

Epidemiological and virological characteristics of the 1959 influenza outbreak in Prokop'yevsk [with summary in English]. M. V. Mastenitsa and others. Trudy Tom-NIIVS 12 106-110 '60.

PROLINE

Interrelations between ascorbic acid, proline and oxyproline in the metabolic processes of the connective tissue in children. S. D. Perova, A. A. Tutaev. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 46-47 '61.

PROPAGANDA, ANTI-COMMUNIST

Eloquent acknowledgements. Agitator no. 16:50-52 Ag '63.

PROPANE

β-Hydroxy- and β-halocarbonyl compounds. Part 3. Preparation and study of some β-halocarbonyl compounds, analogs of neopentyl bromide. T. I. Temnikova, N. A. Oshueva. Zhur. ob. khim. 33 no. 8 2464-2468 Ag '63.

Initiated cracking of propane-butane mixtures. A. D. Stepukhovich, L. I. El'berman, V. P. Balakhnin. Neftekhimiia 3 no. 4 531-540 Jl-Ag '63.

Photocolorimetric determining of small quantities of phenol in diphenylol propane. P. M. Bogatyrev, I. A. Nazimkhana, V. S. Sporykhina. Lakokras. mat. i ikh prim. no. 4 51-52 '62.

Pyrolysis of ethane-propane mixtures. N. I. Barabanov, I. N. Mukhina. Neftekhimiia 3 no. 4 486-491 My-Je '63.

Radiation-thermal cracking of propane. Vikt. I. Spitsyn and others. Neftekhimiia 3 no. 4 615-619 Jl-Ag '63.

PROPANOL

Catalytic dehydrogenation of γ-trialkylsilylpropyl alcohols. Part 2. G. V. Golodnikov, V. V. Shcharina. Zhur. ob. khim. 33 no. 10 3262-3264 O '63.

PROPELLERS—DESIGN AND CONSTRUCTION

Basin, A. M., and I. IA. Minlovich. [Theory and design of propellers] Teoriia i raschet grebnykh vintov. Leningrad, Sudpromgiz, 1963. 759 p.

PROPENE

Synthesis of derivatives of carboxylic acids from carbon monoxide, olefins, and acylable compounds. Part 11. Effect of the pressure of carbon monoxide on the course of the reaction of carbomethoxylation of isobutylene and isobutyl alcohol. IA. T. Eidus, T. A. Kaal. Zhur. ob. khim. 33 no. 10 3283-3290 O '63.

PROPERTY

Formation of a single form of public property and its sources. O. Dzhamalov, I. Blinder. Kommun. Ukr. 35 no. 9 78-85 S '63.

Pavlov, L. S. [Communism and private property] Kommunizm i lichnaia sobstvennost'. Leningrad, Ob-vo po raspr. polit. i nauchn. znanii RSFSR, 1962. 47 p. (MH)

PROPIONAMIDE

Interaction of acid sulfate ester of β-hydroxypropionamide with alcohols. E. N. Zil'berman, V. A. Michurin. Zhur. ob. khim. 33 no. 8 2766-2771 Ag '63.

PROPIONIC ACID

Halo-α-nitrocarboxylic acids. Part 1. Derivatives of fluorochloro-α-nitropropionic acids. I. V. Martynov and others. Zhur. ob. khim. 33 no. 10 3386-3391 O '63.

PROPORTION (ART)

Linear perspective in proportional compositions. Ars. Vlasov. Iskusstvo 26 no. 10 58-61 '63.

PROPORTIONING EQUIPMENT

Automatic proportioning device for programmed supply of liquids. V. IA. Grislis. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11, 66-69 '63.

Automatic proportioning scales. G. L. Furer. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 47-51 '63.

Automatic weighing of the batch. N. G. Shestopalov. Ogneupory 28 no. 10 454-455 '63.

Improving the performance of the proportioning devices of developing machines. IA. I. Beliaev. Tekh. kino i telev. 6 no. 8 70 Ag '62.

PROPYLAMINE

Antidepressive action of transamine; preliminary report. F. A. Burdakova, N. A. Vedernikova, N. P. Kornilaeva. Zhur. nevr. i psikh. 62 no. 12:1813-1814 '62.

Data of an experimental and clinical study of transamine, a new monoamine oxidase inhibitor [with summary in French]. V. IA. Grinshtein, N. S. Ratenberg, T. N. Morozova. Zhur. nevr. i psikh. 62 no. 12:1808-1812 '62.

PROPYNE

Synthesis and rearrangement of diethylpropargyl phosphite. A. N. Pudovik, I. M. Aladzheva, L. N. IAkovenko. Zhur. ob. khim. 33 no. 10 3443-3444 O '63.

PROROKOV, BORIS IVANOVICH, 1911-

Gertsenberg, V. R. Boris Ivanovich Prorokov. Leningrad, Khudozhnik RSFSR, 1962. 44 p. illus. (Narodnaia biblioteka po iskusstvu) (MH)

PROSPECTING see subdivision under Transbaikalia

PROSPECTING—GEOPHYSICAL METHODS
(see also subdivision under Donetsk Basin; Pechora Basin, Transbaikalia)

Gamma ray scintillation spectrometer for the exploration of boreholes. G. A. Nedostup. Geofiz. razved. no. 12, 120-127 '63.

Vendel'shtein, B. IU. [Album of nomograms and charts for interpreting the data of geophysical methods for studying wells] Al'bom nomogramm i paleok dlia interpretatsii dannykh geofizicheskikh metodov issledovaniia skvazhin. Pod red. V. N. Dakhnova. Moskva, Gostoptekhizdat, 1963. 61 p.

PROSTHESIS
(see also subdivision under Tambov Province, Tatar A. S. S. R.)

Current state of the problem of sexual disorders and their treatment. I. M. Porudominskii. Vest. dermat. i ven. 36 no. 10, 56-62 O '62.

Let's introduce progress and improve quality. A. Ital'yanich. Sots. obesp. 21 no. 10 12-13 O '63.

Surgical treatment of insufficiency of the conjunctival cavity in anophthalmia. V. P. Getmann. Ukh. sbor. UEIGB 5 130-136 '62.

PROTECTIVE CLOTHING see Clothing, Protective.

PROTECTIVE COATINGS

Experience in substituting paint coatings for the gas masks used in the group soldering of printed circuits. A. P. Il'in. Lakokras. mat. i ikh prim. no. 5 47 '63.

New gasoline-, oil-, fat-, and water-resistant paint coatings. V. M. Kovalenko, I. N. Nikiforov. Lakokras. mat. i ikh prim. no. 5 34-35 '63.

News review. Lakokras. mat. i ikh prim. no. 5 67-68 '63.

Prevention of paraffin "thrombosis." R. Abdullin. Tekhnol. 31 no. 8 12 '63.

Properties of protective coatings made from powdered plastics. A. M. Zimovich. Stroi. truboprov. 8 no. 9 16-19 S '63.

Protecting metals from corrosion by liquid paraffin. Mor. flot 23 no. 9 30 S '63.

Protective coatings preventing paraffin deposition on the inner surfaces of petroleum pipes. I. A. Zhdanov, M. I. Pinkhasovich. Lakokras. mat. i ikh prim. no. 5 40-44 '62.

Rubber coating by means of flame spraying with the VIAM-1. A. L. Labutin, N. S. Fedorova. Kauch. i rez. 22 no. 9 27-30 S '63.

Selecting the optimum thermal conditions for the production of polymeric coatings with the method of whirl sintering. IU. S. Kropanev, G. V. Maslakova. Trudy TSNII MPS no. 26:7:16-45 '63.

Studying the effect of the copper base structure on the adhesion to it of polyurethane coatings. D. S. IAkubovich, A. T. Sanzharovskii, P. I. Zubov. Lakokras. mat. i ikh prim. no. 5 40-41 '63.

Temperature of formation and the structure of glass-metal coatings on steel. E. A. Antonova, I. A. Petrunetsova. Zhur. prikl. khim. 36 no. 8 1676-1681 Ag '63.

Underwater repair of the pipeline insulation with a polymeric coating. V. B. Serafimovich. Stroi. truboprov. 8 no. 8:20 Ag '63.

Use of epoxy compositions. Z. I. Cheboksarets, I. I. Shapashnova, K. P. Korolev. Sudostroenie 29 no. 9:19-20 S '63.

Use of gasoline-resistant coatings for anticorrosive protection of the inner surfaces of welded metal barrels. M. V. Lykov. Lakokras. mat. i ikh prim. no. 5:42-44 '63.

Use of organic coatings for the protection of the inner drums of laundry washing machines. M. S. Kozlovskii, Lakokras. mat. i ikh prim. no. 5 40-42 '63.

PROTECTIVE COATINGS—TESTING

Paint mixes and coatings based on sulfochlorinated polyethylene. I. S. Okhrimenko, A. D. IAkovlev, L. D. Kuznetsova. Lakokras. mat. i ikh prim. no. 4, 25-26 '63.

PROTEIN METABOLISM

Intensiveness of the inclusion of tagged nitrogen (N^{15}) of carbamide in the proteins of ruminant organs and tissues. I. B. Fridiland, M. I. Rambikl, V. S. Lebedeva. Trudy VIZH 21:200-202 '62.

Ontogenic characteristics of protein and nucleoprotein metabolism in chick tissues. A. V. Chechetkin. Uch. zap. mat. mol. nauch. VNIIP no. 4:183-192 '62.

Reduction of the protein-nucleic acid metabolism recovered leaves during their vivescence under the influence of kinetin. O. N. Kulaeva and others. Dokl. AN SSSR 152 no. 6:1475-1478 O '63.

Role of nucleic acids and protein in induced chlorophyll biosynthesis [with summary in English]. IU. G. Zaletovskii, V. F. Morinkova. Izv. AN SSSR, Ser. biol. no. 5, 719-723 S-O '63.

PROTEINASES

Isolation and purification of brain proteinase [with summary in English]. N. M. Poliakova, V. K. Lishko. Ukr. biokhim. zhur. 34 no. 2, 200-216 '62.

Proteolytic enzymes of Microsporum ferrugineum Ota 1922 and Microsporum lanosum Sabouraud 1907. Report No. 3. F. T. Sukhenko. Izv. SO AN SSSR no. 5, Ser. biol.-med. nauk no. 2:123-127 '63.

PROTEINS

Change in the amount of proteins and starch in the grain of Italian millet under the influence of agrotechnical background and zonality. O. T. Kobuladze. Sooby. AN Gruz. SSR 30 no. 5:573-578 My '63.

Effect of a limited decrease of the protein content in the food ration on the development of a growing organism. V. I. Chistiakova. Trudy mol. nauch. sotr. MOIKF no. 1 120-122 '59.

PROTEINS (Continued)

Effect of various levels of protein feeding on milk productivity in cows and some biochemical blood indices. Kh. Kh. Tkhakakhov. Dokl. TSKHA no. 69:103-109 '61.

Investigating the fractional composition of the proteins of the intermediate products of wheat milling. I. F. Kriuk. Izv. vyn. ucheb. zav.; pishch. tekh. no. 4:40-41 '63.

Macrostructure and denaturation of proteins. V. A. Belitser. Ukr. biokhim. zhur. 34 no. 2 290-300 '62.

Mechanism of enzyme activation with the interaction of purified proteins [with summary in English]. M. F. Bukyi and others. Ukr. biokhim. zhur. 34 no. 2 187-198 '62.

Study of salt-soluble proteins in the seeds of some representatives of Cucurbitaceae by paper electrophoresis. M. V. Alekseeva. Trudy po khim. prirod. soed. no. 5 69-71 '62.

Study of salt-soluble proteins in the seeds of the millets Setaria moharium and S. italica by paper electrophoresis. V. S. Shvarts, V. G. Klimenko. Trudy po khim. prirod. soed. no. 5 53-57 '62.

Variability in the content of proteins and nonprotein nitrogen-containing substances in seeds of some pea species in the process of ripening. R. I. Pinegina, V. G. Klimenko. Trudy po khim. prirod. soed. no. 5 19-26 '62.

Variability in the protein and nonprotein nitrogen content during the ripening of the seeds of some bean species. V. V. Satanova, A. D. Berezovikov, T. V. Baranova. Trudy po khim. prirod. soed. no. 5 61-68 '62.

PROTEINS IN THE BODY

Nitrogenous substances of the sperm and reproductive organs in bulls and cows. A. P. Sadokova. Trudy VIZH 24:303-311 '62.

PROTHROMBIN

Protein formula and prothrombin in the blood plasma in hepatitis and osteomalacia. D. G. Vardosanidze. Veterinariia 37 no. 2:62-63 F '60.

PROTONS

Experimental observation of proton emission in radioactive decay. V. A. Karnaukhov and others. Zhur. eksp. i teor. fiz. 45 no. 1:1280-1282 O '63.

Secondary reactions of astatine production in Bi and Pb bombardment by 3-10 Bev. protons [with summary in English]. N. S. Mal'tseva, V. N. Mekhedov, V. N. Rybakov. Zhur. eksp. i teor. fiz. 45 no. 4 852-856 O '63.

Study of the reaction Mg^{26} (p,γ) Al^{27} at proton energies ranging from 1.8 to 2 Mev. A. K. Vul'ter and others. Izv. AN SSSR, Ser. fiz. 27 no. 11:1418-1420 N '63.

PROTONS—SCATTERING

Contribution of $^3P_1$, $^3F_3$-waves to meson production in pp-collisions at an energy of 660 Mev. [with summary in English]. I. Bystritskii, R. Zul'karneev. Zhur. eksp. i teor. fiz. 45 no. 1:1160-1173 O '63.

Elastic proton scattering by Be^9 and B^{11} nuclei. G. B. Andreev, A. S. Deineko, I. IA. Malakhov. Izv. AN SSSR, Ser. fiz. 27 no. 10:1305-1307 O '63.

Elastic scattering of protons on protons at small angles at energies of 6 and 10 Gev. L. F. Kirillova and others. Zhur. eksp. i teor. fiz. 45 no. 4 1261-1266 O '63.

Measurement of the cross section of the C^{12}(p, pn)C^{11} reaction at an energy of 9 Bev. B. I. Bakker and others. Zhur. eksp. i teor. fiz. 45 no. 4 1269-1270 O '63.

Phenomenological analysis of pp-interaction at 657 Mev. Part I [with summary in English]. L. S. Azhgirei and others. Zhur. eksp. i teor. fiz. 45 no. 4:1174-1182 O '63.

Polarization in pp-scattering at an energy of 8.5 Bev. V. P. Kanavets and others. Zhur. eksp. i teor. fiz. 45 no. 4:1272-1275 O '63.

PROTONS—SPECTRA

Levels in the Li^7 nucleus appearing in its photodisintegration. L. A. Kul'chitskii and others. Izv. AN SSSR, Ser. fiz. 27 no. 11:1412-1418 N '63.

PROTOPLASM

Functional principle in the evaluation of the relative significance of radiation injuries of the nucleus and cytoplasm; a genetic theory of radiation sickness [with summary in English]. B. L. Astaurov. Trudy MOIP, Otd. biol. 7:140-161 '63.

PROTOZOA see subdivision under Glubokoye, Lake (Moscow Province)

PROTOZOA, PATHOGENIC see subdivision under Ukraine

PROVERBS

Bol'shakov, G., comp. [Proverbs of various peoples] Poslovitsy raznykh narodov. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1959. 270 p. (OCI)

PROVERBS, CHUVASH

Romanov, N. R. [Chuvash proverbs, sayings, and riddles] Chubashskie poslovitsy, pogovorki i zagadki. Cheboksary, Chuvashskoe izd-vo, 1960. 358 p. [In Chuvash and Russian] (MH)

PROVERBS, UKRAINIAN

[Ukrainian popular proverbs and sayings, the pre-October period] Ukrains'ki narodni prysliviia ta prykazky, dorzhovtnevyi period. Kyiv, Derzhlitvydav, 1963. 790 p.

PRUNING

Effect of pruning and fertilizing on the vegetative growth and development of reproductive organs in young apple trees in the southern Ukrainian Polesye. N. G. Nazarova. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 10 257-275 '62.

Effect of pruning on the growth and anatomic structure of branches in uneven-aged apple trees. I. A. Kolomiets, A. T. Romanova. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 10:173-190 '62.

Effect of the shortening of branches by pruning on the physiological processes and fruiting of apple. G. I. Meshcheriakov. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 10 222-230 '62.

Training of apple and pear trees in the Ukrainian S. S. R. K. A. Verbovyi. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 10,100-113 '62.

PRURITUS

Pruritus provoked by conditioned reflexes. Report No. 2. A. S. Dyshko. Trudy mol. nauch. sotr. MONIKI no. 1:198-203 '59.

Studies of the pathophysiology of the itching sensation. Report No. 1. A. S. Dyshko. Trudy mol. nauch. sotr. MONIKI no. 1:191-197 '59.

PRUT VALLEY—NATURAL RESOURCES

Effective use of the natural resources of the Prut Valley. K. Ponko. Komm. Mold. 6 no. 8:29-32 Ag '63.

PSEUDOMONAS see subdivision under Estonia

PSEUDOUREA

Characteristics of the action of some protective substances in the irradiation of isolated cells in mammals. E. N. Tolkacheva, I. F. Brigadre (Nenarokova). Radiobiologiia 2 no. 6,907-911 '62.

PSKOV—CLOTHING INDUSTRY—LABOR PRODUCTIVITY

The principal thing is the fulfillment of assumed obligations. M. D. Lastikov. Shvein. prom. no. 3 6-8 Je-Jl [i.e. My-Je] '61.

PSKOV PROVINCE—BOTANY—NOMENCLATURE

Dialectologic study of flora in Pskov Province. V. I. Eremina. Pskov. gov. no. 1:193-201 '62.

PSKOV PROVINCE—LIBRARIES

New team. O. Grzhibovskaia. Bibliotekar' no. 9 52-53 S '63.

PSKOV PROVINCE—NAMES, GEOGRAPHICAL

Local toponyms such as "pod"yablon'ka" in the Pskov and Novgorod provinces. A. V. Nikitin. Pskov. gov. no. 1:96-110 '62.

PSKOV PROVINCE—RUSSIAN LANGUAGE—DIALECTS

"Akan'ye" and "iakan'ye" in the dialects of the southwestern part of Pskov Province. L. I. TSareva. Pskov. gov. no. 1:56-76 '62.

Dialectologic study of flora in Pskov Province. V. I. Eremina. Pskov. gov. no. 1:193-201 '62.

Instructions of a Pskov regional dictionary. B. A. Larin. Pskov. gov. no. 1:252-271 '62.

Lexical basis of the predicate gerund in the Pskov dialects. V. I. Trubinskii. Pskov. gov. no. 1:162-178 '62.

Lexicon describing the physical characteristics of man in the Pskov dialects. V. N. Elina. Pskov. gov. no. 1: 202-218 '62.

Meaning and genesis of participial forms; based on the modern Pskov dialects and Pskov Chronicles. L. K. Dmitrieva. Pskov. gov. no. 1:143-161 '62.

Morphonologic studies of the sound "ch" in the Pskov dialects. S. M. Glushina. Pskov. gov. no. 1,28-57 '62.

Prepositions in the Pskov dialects. I. T. Gomonov. Pskov. gov. no. 1:77-95 '62.

Pronominal adverbs indicating place, direction, and time in the Pskov dialects. K. A. Gomonova. Pskov. gov. no. 1:129-142 '62.

Remarks on phraseology; according to a card index for a Pskov regional dictionary. L. A. Ivashko. Pskov. gov. no. 1:238-251 '62.

Types of dialects to the south of Gdov. Z. V. Zhukovskaia. Pskov. gov. no. 1:5-27 '62.

PSYCHIATRIC HOSPITALS see subdivision under Agra, India; Simferopol'

PSYCHIATRY

[Some problems of neuropathology and psychiatry; materials of the scientific and practical conference of neuropathologists and psychiatrists of the city of Kazan] Nekotorye voprosy nevropatologii i psikhiatrii, materialy nauchno-prakticheskoi konferentsii nevropatologov i psikhiatrov gor. Kazani. Kazan', Kazanskoe nauchn. ob-vo nevropatologov i psikhiatrov, 1963. 77 p. [DNLM MICROFILM]

PSYCHIATRY—STUDY AND TEACHING see subdivision under Ryazan Province

PSYCHOLOGY

I. M. Sechenov's "Brain reflexes" and present day psychology. B. G. Ananiev. Zhur. vys. nerv. deiat. 13 no. 5 772-780 S-O '63.

PSYCHOLOGY OF LEARNING see Learning, Psychology of

PSYCHOPHARMACOLOGY

Chemistry of the emotions. L. Bobrov. Tekh. mol. 31 no. 8:35-36 '63.

PSYCHOSES

Alcoholism in young people [with summary in English] IU. E. Rakhal'skii. Trudy Gos. nauch.-issl. inst. psikh. 38 57-62 '63.

Anatomical changes of the brain in influenzal psychoses, abstract. V. K. Skobnikova. Kaz. med. zhur. no. 1 116 Ja-F '61.

Clinical aspects of Clérambault-Kandinsky syndrome of psychic automatism in alcoholic psychoses [with summary in French]. M. G. Gulamov. Zhur. nevr. i psikh. 63 no. 2 240-243 '63.

PSYCHOTHERAPY

Psychotherapeutic component in the treatment of acute alcoholic hallucinosis [with summary in English]. N. P. Kalinina. Trudy Gos. nauch.-issl. inst. psikh. 38 308-313 '63.

PUBLIC BUILDINGS

Major trends in industrial housing and mass public building construction. B. Rubanenko. Arkhit. SSSR no. 8:7-19 '63.

PUBLIC HEALTH

(see also subdivision under Sverdlovsk Province)

[Be happy! Care for the health of the Soviet family] Chelovek, bud' schastliv! Zabota o zdorov'e sovetskoi sem'i. [n. p.] 1962. 13 p. [DNLM MICROFILM]

Fundamental indicators of the development of public health service at the beginning of 1963. V. N. Ivakina. Zdrav. Ros. Feder. 7 no. 11 36-39 N '63.

Nauchnaia konferentsiia po respublikanskoi probleme "Okhrana zdorov'ia detei i podrostkov." [Problems in protecting the health of children and adolescents] Voprosy okhrany zdorov'ia detei i podrostkov, materialy. Pod red. D. N. Kaliuzhnogo i S. S. Poznanskogo. Kiev, Gosmedizdat USSR, 1963. 219 p. (DNLM)

Some new methodological techniques of planning public health service. G. A. Popov. Zdrav. Ros. Feder. 7 no. 11 16-23 N '63.

Status of the public health service of the R. S. F. S. R. and the tasks of its agencies for the next few years. V. V. Trofimov. Zdrav. Ros. Feder. 7 no. 11:3-10 N '63.

Thoughts on public health. L. Chernyshev. Okhr. truda i sots. strakh. 6 no. 11 5-8 N '63.

Two neglected fields of sociological studies. Kommunist 40 no. 17:81-86 N '63.

PUBLIC HEALTH—CONGRESSES

All-Russian Conference on Public Health. M. S. Bedynyi. Zdrav. Ros. Feder. 7 no. 11 11-17 N '63.

PUBLIC HEALTH, RURAL

(see also subdivision under Ossetia, North)

Decade since the September (1953) Plenum of the Central Committee of the CPSU and the achievements in medical care for the rural population. O. A. Orlova. Zdrav. Ros. Feder. 7 no. 10,3-6 O '63.

PUBLIC HEALTH ADMINISTRATION

Work of local soviets in the sphere of public health administration. V. I. Shabatlov. Sov. gos. i pravo 33 no. 10: 54-57 O '63.

PUBLIC OPINION

Uledov, A. K. [Soviet public opinion] Obshchestvennoe mnenie sovetskogo obshchestva. Moskva, Sotsekgiz, 1963. 391 p.

PUBLIC PROSECUTORS

Procedural role of public prosecutors during the trial of criminal cases. H. Nadhornyi. Rad. pravo no. 4:43-47 Jl-Ag '63.

PUBLIC UTILITIES—RATES

Chestnyi, M. G. [Methods of calculating public utility rates] Metodika rascheta tarifov na kommunal'nye uslugi. Moskva, Izd-vo M-va kommunal'nogo khoziaistva RSFSR, 1962. 49 p. (MH)

PUBLISHERS AND PUBLISHING

(see also subdivision under Moscow)

More books for rural workers. Sov. knizh. torg. 15 no. 10:1-2 O '63.

Soviet book publishing during the Great Patriotic War. G. D. Komkov. Knigoizd. i mat. 8:66-81 '63.

The 25th anniversary of the State Publishing House of Literature on Machinery. Avt. prom. 29 no. 8:3 of cover Ag '63.

PUBLISHERS AND PUBLISHING (Continued)

"Why do they publish such useless books?" Kommunist 40 no 17 128 N '63.

The Writers' Publishing Association, 1911-1914. O D. Golubeva Kniga,issl, i mat, 8,410-430 '63

PUGWASH CONFERENCE OF NUCLEAR SCIENTISTS

Declaration of the Pugwash Conference Mir nauki no,4 20-21 '62

PULMONARY ARTERY—ABNORMITIES AND DEFORMITIES

Development anomaly of the pulmonary arter, E G Grossman Zdravookhranenie 6 no 3 57-59 My-Je '63

PULMONARY ARTERY—RADIOGRAPHY

Roentgenoanatomic substantiation of radiography of the pulmonary artery. V G Suman Trudy mol nauch sotr, MOMPI no 1:22-28 '59

PULMONARY CIRCULATION

Technique of angiopulmonography N, I Khuramovich Kaz, med, zhur, no, 2:25-28 Mr-Ap '63

PULMONARY EMPHYSEMA see Emphysema, Pulmonary

PULSE CIRCUITS

Stabilizing action of diodes in charging and discharging networks, A Mishin, Radio no,10 43-44 O '63

PULSE TECHNIQUES (ELECTRONICS)

Dynamics of frequency converters using transistor and ferrite elements [with summary in English], N F. Il'inskii, Avtom i telem 24 no,10 1380-1386 O '63.

PUMPING MACHINERY

(see also subdivision under Great Britain)

Automation of a mazut pumping system. R, L, Shtein, V, V Salashenko, Energetik 11 no,10,24-25 O '63.

Calculation of the suction capacity of a bladed pump. V G Zhuravlev, Izv vys, ucheb, zav, , mashinostr, no,7 141-147 '63

Increase in the operational reliability of the accumulator valves of 46GM steam pumps, IU,S, Balakhnichev, Energetik 11 no,10 16 O '63.

Parallel operation of pumps feeding the mounted nozzle assembly O,Kurbatskii, Pozh,delo 7 no,7 15-17 Jl '61,

Portable pump. Stroitel' 9 no,10 11-14 O '63.

Redesigning of the packing gland of the shaft of the PE-430-180 pump. V,G, Kornienko, M,S, Malinin, Energetik 11 no,10 20-21 O '63.

Standard dimension series of domestic woodpulp pumps. A M Litvinenko Bum, prom 38 no,9 30-33 S '63,

PUMPING MACHINERY, ELECTRIC

Calculation of the effectiveness of measures undertaken in decreasing the expenditure of electric power in pumping machinery. A, N, Turkin, Elek, sta, 34 no,8:13-15 Ag '63,

Submersible pumps supplied with electric motors with solid rotors. G, Shumilin, G, Chipinskaia, Tekh, v sel'khoz 23 no,6 33-35 Je '63,

PUMPING STATIONS

The VE-2,5 automatic unit with a towerless water supply station. K, Piven', Tekh, v sel'khoz, 23 no, 6 20-23 Je '63,

PUNCHED CARD SYSTEMS

Petrov, V,A, [Detailed operational and industrial planning by the use of punched-card machines] Podetal'noe operativno-proizvodstvennoe planirovanie s ispol'zovaniem schetno-perforatsionnykh mashin, stenogramma doklada na Vserossiiskom soveshchanii po mekhanizatsii inzhenernogo i upravlencheskogo truda v promyshlen-

Use of punched cards for card catalogs of translations. Z, A, Kirklis, NTI no, 2 34-35 '63,

Use of punched cards for information retrieval. Preparing and reading punched cards, S, A, Lipkin, G, G, Vorob'ev, NTI no, 3,40-46 '63,

PUNCHED CARD SYSTEMS—EDUCATION

Punched cards in mathematics classes, M, N, Trubetskoi, Mat, v shkole no, 5,56-59 S-O '63,

PUNCHES

Mechanical punch. B, F, Riabov, Shkola i proizv, 7 no, 10,58-59 O '63,

PUNISHMENT

We should individualize the treatment of convicts, V, Lashko, Sov, iust, no, 13 28 Jl '63,

PUPIL (EYE)

Effect of epibulbar anesthesia on the action of miotics and mydriatics, A, V Voino-Iasenetskaia, Uch, zap, UEIGB 5 99-108 '62

Pupillary component of the orientation reflex in chronic alcoholism [with summary in English], V A Smirnov, A R, Shakhnovich Trudy Gos nauch, -issl inst psikh, 38 196-202 '63

PUPPETS AND PUPPET PLAYS see subdivision under Czechoslovakia

PURINES

Synthesis in the series of purine derivatives. Part 5. Synthesis of some $C_{(6)}$-substituted derivatives of 9-methylpurine, E S Chaman, E, S, Golovchinskaia, Zhur, ob, khim, 33 no, 10 3312-3319 O '63

PURINES—OPTICAL PROPERTIES

Effect of bromine on the optical properties of purine and pyrimidine bases, A A, Baev and others Dokl AN SSSR 152 no 2 331-334 S '63

PUSHKIN, ALEKSANDR SERGEEVICH, 1799-1837

Discussion of a new edition of Pushkin's works, Izv, AN SSSR, Ser, lit i iaz 22 no, 5 446-447 S-O '63,

Fifteenth All-Union Pushkin Conference. Izv, AN SSSR, Ser, lit, i iaz, 22 no, 5 458-461 S-O '63

Gordin, A,M, [Pushkin Memorial Preserve] Pushkinskii Zapovednik Leningrad, Izd-vo "Iskusstvo," 1963, 302 p illus

History of the "Gavriliad" Nauka i zhizn' no 2 63-64 F '62

IAkovleva, T, M, [The image of the poet; Pushkin in I, A Novikov's historical novel] Obraz poeta, Pushkin v istoricheskom romane I A Novikova, Tbilisi, Izd-vo Soiuza pisatelei Gruzii, 1962 131 p. (NIC)

Let the darkness disappear! Emel'ian IAroslavskii Nauka i zhizn' no 2 59-63 F '62

The private libraries of three Russian writers (Lomonosov, Pushkin, M, Gor'kii), P, N, Berkov, Kniga, issl i mat 8 349-376 '63,

PUSHKIN, ALEKSANDR SERGEEVICH, 1799-1837—MUSEUMS, RELICS, ETC,

Work practices of displaying Pushkin's manuscripts in the A S Pushkin State Museum E V Muza Trudy NIIM 6 20-34 '61

PYATIGORSK—MUSEUMS

In Lermontov's Pyatigorsk, N, P, Loshchinin, Vop, arkh, 8 no, 2 52-54 Ap-Je '63,

PYRANOINDOLE

Derivatives of indole. Part 12 Synthesis of derivatives of hydrothiopyrano-[4, 3-b]-indole S, S-dioxides, N, F, Kucherova, L A Aksanova, V A Zagorevskii, Zhur, ob, khim, 33 no, 10 3403-3408 O '63,

PYRANONE

Nitration and bromination of 6-phenyl-2-pyrone, N, P, Shusherina and others, Zhur, ob, khim, 33 no, 10: 3434-3435 O '63,

PYRAZOLE

Pyrazoles Part 37 Chromatographic separation of aminopyrazoles, I I Grandberg and others, Zhur, ob, khim, 33 no 8 2585-2586 Ag '63,

Pyrazoles, Part 38: Isopyrazole-pyrazole rearrangement I, I, Grandberg and others, Zhur ob, khim, 33 no, 8 2586-2597 Ag '63,

Pyrazoles Part 39: Structure and tautomerism of hydroxypyrazoles, V, G, Vinokurov and others, Zhur, ob, khim, 33 no, 8,2597-2605 Ag '63,

PYRAZOLIDINONE

Compounds containing a three-membered oxide ring. Preparation of N-unsubstituted hydroxypyrazolidones, Martynov, I, B, Belov, Zhur, ob, khim, 33 2461-2464 Ag '63,

nidone in the film printing industry, S, E, ich and others, Tekh, kino i telev, 6 no, 8,40-

Aminonitrile rearrangement and its use for preparative purposes, B, V, Ioffe, K N, Zelenin, Zhur, ob, khim, 33 no, 10;3231-3238 O '63,

Synthesis of pyrazolines from acetylenic chlorides and hydrazine, B, V, Ioffe, D, D, TSitovich, Zhur, ob, khim, 33 no, 10:3449 O '63,

PYRAZOLINONE

Color of p-dialkylaminobenzylidene derivatives of 1-phenyl-3-methyl-5-pyrazolone, N, F, Turitsyna, V, S, Il'inskaia, Zhur, ob, khim, 33 no, 82650-2655 Ag '63,

PYRIDINE

Hammett equation in the theory of tautomeric equilibrium, Part 2: Tautomerism of α-arylsulfaminopyridines, Potentiometric study, T, A, Mastrukova and others, Zhur, ob, khim, 33 no, 10;3328-3335 O '63,

Hammett equation in the theory of tautomeric equilibria, Part 2, Tautomerism of α-arylsulfaminopyridin Spectrophotometric study, T, A Mastrukova and others, Zhur, ob, khim, 33 no, 10, 3336-3341 O '63,

Substituted pyridines Synthesis of 2, 5-dimethyl-4-alkaryl (aryl) pyridines N, S, Prostakov and others Zhur, ob, khim, 33 no, 8 2673-2676 Ag '63,

Synthesis on the basis of anabasine, Part 10 α-(1-Ethyl-β-pyridine, A S Sadykov, M Ismailova, K, A Aslanov, Zhur, ob, khim, 33 no, 10 3317-3320 O '63,

PYRIDINE BASES

Discussing D, S, Petrenko, O, D, Gerlokaia and M, D Shapiro's article "Efficient utilization of ammonia from the tar liquor in the production of pyridine bases", G, D, Kharlampovich, V, M, Kaganov, Koks i khim, no, 10 62 '63,

Mechanism for the trapping of pyridine bases from coke gas (in connection with the review by G, D, Kharlampovich and V, M, Kaganov), M, D, Shapiro, Koks i khim, no, 10 62-64 '63,

PYRIDYL GROUP

Pyridylthiazolylmethane series. Part 1: Synthesis and properties of 3-pyridyl-2'-thiazolylcarbinols, V, G, Limoneva, M, N, Shchukina, Zhur ob, khim 33 no, 8 2776-2779 Ag '63,

PYRIMIDINE

Condensed heterocycles Part 3: Condensation of 1-amino-1, 2, 4-triazole with some β-ketonic acids esters IA A, Levin, N A Gul'kina, V A, Kuz'mina Zhur ob, khim 33 no 8 2673-2677 Ag '63

Transformations related to the presence of A[illegible] base in the albomycin molecule, N, A, Pobedimskaia, G, I Lavrenova, Vest Mosk, un, Ser, 2 Khim 18 no, 5 65-67 S-O '63,

PYRIMIDINE—OPTICAL PROPERTIES

Effect of bromine on the optical properties of purine and pyrimidine bases, A, A, Baev and others, Dokl AN SSSR 152 no, 2, 331-334 S '63,

PYRIMIDINECARBOXYLIC ACID

Potential antimetabolites. Part 6: Substituted pyrid[illegible]-4-alkanecarboxylic esters, IU P, Sitnikov, [illegible], Berestenko, Zhur, ob, khim, 33 no, 10 3313-3315 O '63,

PYRIMIDINEALANINE

Potential antimetabolites. Part 8: Synthesis of β-(4-hydroxy-2-pyrimidinyl)-alanine, IU, P, Sitnikov, L, A, Syrtsova, M P, Filatova, Zhur, ob khim, 33 no 8 2481-2493 Ag '63,

PYRITES see subdivision under Armenia

PYROGENS

Comparative characteristics of the method of freezing serums from pyrogen [with summary in English] S, M, Preger, N G, Turtiantseva, A P Bulava Tr, TomNIIVS 12,246-250 '60,

Importance of some biological and ecological factors in testing the pyrogenic properties of serums on rabbits [with summary in English], N, G, Turtiantseva, L, I, Novgorodova, Trudy TomNIIVS 12:241-250 '60

PYROLYSIS

Exothermic catalytic pyrolysis of unsaturated aliphatic hydrocarbons, IA, M, Paushkin, T, P, Vishnyakova, A, P, Smirnov, Neftekhimiia 1 no, 1 91-[illegible] Jl-Ag '61,

Methods for the optimal design of the coil of a pyrolysis furnace, E, A, Feigin and others, Khim, prom 37 no, 7 519-526 Jl '63,

Micromethod for the simultaneous determination of carbon, hydrogen, and sulfur contents, N, I, Ivanovskaia, A, A, Zakharova, Trudy IGI 21 110-114 '[illegible]

Obtaining C_2 - C_4 monomers by pyrolysis of hydrocarbon mixtures isolated from petroleum, Kh, I, Arutiunov, G, O Chkhvadze, Neftekhimiia 3 no, 4 518-522 Jl-Ag '63,

Pyrolysis of ethane-propane mixtures, N I, Dunaev, T, N, Mukhina, Neftekhimiia 1 no, 3;386 [illegible] My-Je '61,

Vapor-phase pyrolysis of wood-tar oils, I, P, Tsapkov and others, Gidroliz i lesokhim, prom, 14 no, 3 6-8 '61,

PYROMETERS

Automatic photoelectric pyrometer, L, N, Lenskii, A, P Nuzov, Kuz, -shtam, proizv, 5 no, 10 28-31 O '63

PYROMETRY

Basic problems of radiation pyrometry of slightly heated or cooled objects [with summary in English], P, I, Kozyrev, Inzh, -fiz, zhur, 6 no, 10:10-16 O '63,

PYRROLE

Synthesis and properties of pyrrolidines and pyrrolines, Part 12: 5-Phenylcyclopentano-2, 3-pyrroles and 5-phenylcyclohexano-2, 3-pyrroles, M, A, Velichko and others, Zhur, ob, khim, 33 no, 10;3295-3297 O '63,

PYRROLIDINONE

Synthesis of N-methyl-α-pyrrolidone from succinic acid V. I. Romanovskii, A. I. Sokolova, N. I. Tatlanchikova. Khim., prom. no. 7 191-192 Jl '63.

PYRUVIC ACID

Acetylenic hydroxy acids, their synthesis and transformations. Part 1: Synthesis of esters of acetylenic hydroxy acids starting from esters of pyruvic and diethylacetoacetic acids. T. A. Favorskaia, B. N. Samushk. Zhur. ob. khim. 33 no. 10 3157-3159 O '63.

Q FEVER

Clinical and epidemiological characteristics of an outbreak of Q fever in children. L. V. Iarovoi and others. Pediatriia 42 no. 5:74-76 My '63.

QUALITY CONTROL see subdivision under Soviet Central Asia

QUANTUM CHEMISTRY

Grammar of the language of chemistry. II. Diadiusha. Nauka i zhyttia 12 no. 3:60-62 Mr '63.

Two-center integrals of the theory of molecules. V. M. Zaitsev, V. A. Mokeeva. Zhur. strukt. khim. 4 no. 5: 734-738 S-O '63.

QUANTUM ELECTRODYNAMICS

Amplitude characteristics at $l = -1$ in the Bethe-Salpeter equations [with summary in English]. V. G. Vaks, A. I. Larkin. Zhur. eksp. i teor. fiz. 45 no. 4:1087-1101 O '63.

Infrared characteristics of matrix elements in scalar electrodynamics [with summary in English]. L. D. Solov'ev, Iu. IA. Iushin. Zhur. eksp. i teor. fiz. 45 no. 4, 1202-1207 O '63.

QUANTUM ELECTRONICS

Concepts of negative absorption and negative temperature. V. S. Mashkevych. Ukr. fiz. zhur. 8 no. 8 915-916 Ag '63.

Width of lines emitted by laser modes. V. S. Mashkevych. Ukr. fiz. zhur. 8 no. 8 918-921 Ag '63.

QUANTUM FIELD THEORY

Analytical relationship between the mean value of a physical quantity in an external field and the corresponding quantity in temperature techniques. V. V. Slezov. Fiz. tver. tela 5 no. 10:2958-2962 O '63.

New method for studying the characteristics of Feynman diagrams [with summary in English]. A. P. Rudik, Iu. A. Simonov. Zhur. eksp. i teor. fiz. 45 no. 4, 1016-1029 O '63.

Pair correlations of electrons in the theory of many-electron systems. Part 1 [with summary in English]. L. N. Labzovskii. Vest. LGU 18 no. 16:12-21 '63.

QUANTUM STATISTICS

Theory of the shape of optical and microwave absorption lines. U. Kh. Kopvillem, V. R. Nagibarov. Fiz. tver. tela 5 no. 10 2940-2950 O '63.

QUANTUM THEORY

Accuracy of the generalized Hartree - Fock method in nuclear physics [with summary in English]. I. N. Mikhailov. Zhur. eksp. i teor. fiz. 45 no. 4:1102-1110 O '63.

Amplification of collective oscillations in quantum liquids [with summary in English]. I. A. Akhiezer. Ukr. fiz. zhur. 8 no. 8:821-820 Ag '63.

Balance equations allowing for the collective properties of a system of identical particles. G. S. Kruglik, P. A. Apanasevich. Dokl. AN BSSR 7 no. 10:677-680 O '63.

Collective oscillations in a mixture of Fermi and Bose liquids [with summary in English]. I. A. Akhiezer. Ukr. fiz. zhur. 8 no. 8 813-820 Ag '63.

Coulomb excitation of levels in odd nuclei C^{135} and Ti^{173}. D. G. Alkhazov, K. I. Erokhina, I. Kh. Lemberg. Izv. AN SSSR. Ser. fiz. 27 no. 11:1363-1376 N '63.

Electron scattering by nonspherical nuclei, taking mixed states into account. B. I. Tishchenko. Izv. AN SSSR. Ser. fiz. 27 no. 11:1430-1435 N '63.

Excitation of inert gases in a positive d-c discharge column at medium pressures. Part 3: Upper levels of neon and argon. Iu. M. Kagan and others. Opt. i spektr. 15 no. 4, 446-452 O '63.

Excitation of vibration levels in β-decay of nonspherical nuclei. Iu. N. Daviatko, V. V. Lomonosov, M. G. Urin. Izv. AN SSSR. Ser. fiz. 27 no. 11:1427-1429 N '63.

Franck-Condon principle for polyatomic molecules. B. A. Tavger. Opt. i spektr. 15 no. 4:561-563 O '63.

Gubanov, A. I. [Quantum-electron theory of amorphous conductors] Kvantovo-elektronnaia teoriia amorfnykh provodnikov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 240 p.

Motion of a one-dimensional nonlinear oscillator under adiabatic conditions [with summary in English]. A. A. Sluiskin. Zhur. eksp. i teor. fiz. 45 no. 4:978-988 O '63.

Multiple scattering theory (with summary in English). Iu. N. Gnedin, A. Z. Dolginov. Zhur. eksp. i teor. fiz. 45 no. 4:1136-1140 O '63.

Nonrelativistic trajectories of Regge poles. Part 1 [with summary in English]. V. A. Kolkunov. Zhur. eksp. i teor. fiz. 45 no. 4 1123-1132 O '63.

Possibility of observing Bose-Einstein condensation of excitons in group $A^{II}B^{VI}$ crystals. V. V. Sobolev. Fiz. tver. tela 5 no. 10 3028-3030 O '63.

Possible quantum mechanical interpretation for the classification of thermal decomposition reactions in solids. V. V. Boldyrev, A. A. Medvinskii. Kin. i kat. 4 no. 4 548-556 Jl-Ag '63.

Probability of a quantum escape from a medium with a moving boundary. I. A. Khmishin. Sbr. Astron. obser. L'viv. un. no. 39/40 18-21 '63.

Quadrupole excitations of atomic nuclei. V. G. Shevchenko, N. P. Iudin, B. A. Iur'ev. Izv. AN SSSR. Ser. fiz. 27 no. 10 1313-1318 O '63.

Quantum Theory of weakly non-equilibrium electron-phonon systems in a magnetic field. P. S. Zyrianov. Fiz. tver. tela 5 no. 10, 3011-3017 O '63.

Renormalization constants and bound states in a nonrelativistic model in field theory [with summary in English]. M. A. Brown. Zhur. eksp. i teor. fiz. 45 no. 4 936-947 O '63.

Role of analogy in the discovery of quantum mechanics. TS. S. Sarangov, B. I. Spasskii. Ist. i metod. est. nauk no. 2 183-208 '63.

Studying the Coulomb excitation of the first levels of even-even nuclei by measuring coincidences of gamma quanta and inelastically scattered ions. D. G. Alkhazov and others. Izv. AN SSSR. Ser. fiz. 27 no. 10, 1285-1296 O '63.

Theory of heavily alloyed semiconductors; band-to-band transitions. V. L. Bonch-Bruevich, R. Rozman. Fiz. tver. tela 5 no. 10 2890-2901 O '63.

QUARRIES AND QUARRYING—LABOR PRODUCTIVITY see subdivision under Ukraine

QUARTZ

Adsorption modification of dispersed quartz, and structure formation in solutions of rubber. P. D. IAkhnin, A. B. Taubman. Dokl. AN SSSR 152 no. 2:382-385 S '63.

Structural group of quartz. N. L. Smirnova, N. V. Belov. Kristallografiia 8 no. 3 346-350 My-Je '63.

X-ray method of determining the quartz content in mineral mixtures. A. S. Ivoilov, L. L. Denisova. Zent. min. syst. no. 2:17-22 '62.

X-ray study of quartz deformations in tectonites. M. P. Volarovich, N. E. Galdin, K. F. Gusev. Trudy Inst. fiz. Zem. no. 23:60-79 '62.

QUARTZ—ABSORPTION SPECTRA

Transmission of long-wave infrared radiation (40-200μ) by heated crystalline and molten quartz. O. K. Filippov, N. G. IAroslavskii. Opt. i spektr. 15 no. 1 558-561 O '63.

QUARTZ—ELECTRIC PROPERTIES

Effect of electrical precipitation on the damping decrement in quartz. A. G. Smagin, V. I. Nikol'skaia. Kristallografiia 8 no. 3, 475-476 My-Je '63.

QUARTZ CRYSTALS

Types of symmetry of piezoelectric structures of rocks formed by piezoelectric minerals. E. I. Parkhomenko. Trudy Inst. fiz. Zem. no. 23:97-100 '62.

QUEEN MARY COAST, ANTARCTICA—ROCKS—MAGNETIC PROPERTIES

Magnetic susceptibility of rocks of individual nunataks on the Queen Mary Coast and the Wilhelm II Coast. O. K. Vladimirov, A. M. Karasik, A. M. Mallavkin. Inform. biul. Sov. antark. eksp. no. 35 11-13 '62.

QUEEN MAUD LAND

Glaever, John. [Maudheim; two years in the Antarctic. The Norwegian-British-Swedish Scientific Expedition, 1949-1952. Translated from the Norwegian] Modkheim; dva goda v Antarktike, Nauchnaia Norvezhsko-britansko-shvedskaia ekspeditsiia, 1949-1952 gg. Moskva, Gos. izd-vo geogr. lit-ry, 1958. 254 p. (WaU)

QUEEN MAUD LAND—BIRDS

Observations of birds in Queen Maud Land. G. V. Konovalov. Inform. biul. Sov. antark. eksp. no. 35:45-48 '62.

QUEEN MAUD LAND—GEOLOGY, STRUCTURAL

Grooves in rocks. V. Bardin. Inform. biul. Sov. antark. eksp. no. 35:63-64 '62.

QUINALDINE

Isotopic exchange of hydrogen in methyl derivatives of nitrogen heterocycles and their oxides. Part 1: α-picoline, quinaldine, and their N-oxide. N. N. Zatsepina, I. F. Tupitsyn, L. S. Efros. Zhur. ob. khim. 33 no. 8:2705-2712 Ag '63.

Reactions and derivatives of quinaldine. O. N. Chupakhin, Z. V. Pushkareva, E. I. Krylov. Vest. AN Kazakh. SSR 19 no. 9:85-92 S '63.

QUINALDINIUM COMPOUNDS

Synthetic dyes. Part 32. Condensation of N-aryl quinaldinium salts with aromatic nitro compounds. G. T. Pilugin, S. V. Shinkarenko. Zhur. ob. khim. 33 no. 10 3223-3228 O '63.

Synthetic dyes. Part 33. Synthesis of 1-o-methoxyphenyl-7, 8-benzoquinaldinium perchlorate and its transformations. G. T. Pilugin, E. P. Opanasenko, O. E. Petrenko. Zhur. ob. khim. 33 no. 10 3228-3231 O '63.

QUINAZOLINE

Benzodiazine series. Part 4. Structure and hydrolysis of tetrazoloazidoquinazoline. I. N. Goncharova, I. IA. Postovskii. Zhur. ob. khim. 33 no. 8 2475-2480 Ag '63.

QUINOLINOL

Compounds of germanium with 8-hydroxyquinoline. N. P. Rudenko, L. V. Kovtun. Trudy Kom. anal. khim. 14:209-217 '63.

QUINUCLIDINE

New synthesis of quinuclidine. A. S. Sadykov, M. Karimov, Kh. A. Aslanov. Zhur. ob. khim. 33 no. 10 3414-3417 O '63.

Synthesis on the basis of anabasine. Part 18. α-Quinuclidyl-β-pyridine. A. S. Sadykov, M. Karimov, Kh. A. Aslanov. Zhur. ob. khim. 33 no. 10 3417-3420 O '63.

Wittig reaction used in the synthesis of 3-substituted quinuclidines. L. N. IAkhontov, L. I. Mastafanova, M. V. Rubtsov. Zhur. ob. khim. 33 no. 10:3211-3214 O '63.

RABBITS

Determining the optimum conditions of the electric stunning of rabbits. V. P. Katkov and others. Sbor. stud. rab. MTIMMP no. 7:22-24 '62.

RABIES

Comparative study of dry antirabic vaccine prepared by different methods [with summary in English]. G. E. Nebolitubova. Trudy TomNIIVS 12 275-280 '60.

Complement fixation reaction as a method of determining the specific activity of antirabic serum and gamma globulin [with summary in English]. M. K. Tushniakova, G. E. Nebolitubova. Trudy TomNIIVS 12 261-265 '60.

RABIES—MICROBIOLOGY

Biological properties of fixed virus of rabies. M. G. Skurskaia. Trudy Mosk. vet. akad. 12:3-8 '56

RACE DISCRIMINATION

(see also subdivision under South Africa, Republic of)

Our commentaries. Nov. vrem. 21 no. 45:5-6 N '63.

RACHA-LECHKHUMI—AGRICULTURAL GEOGRAPHY

Development and distribution of the agriculture of Racha-Lechkhumi [in Georgian with summary in Russian]. N. G. Devidze. Trudy Inst. geog. AN Gruz. SSR. 15:141-173 '61.

RACHA-LECHKHUMI—CITIES AND TOWNS

Population and the cities of Racha-Lechkhumi [in Georgian with summary in Russian]. V. Sh. Dzhaoshvili. Trudy Inst. geog. AN Gruz. SSR 15:81-115 '61.

RACHA-LECHKHUMI—ECONOMIC GEOGRAPHY

General features of the development and distribution of the economy of Racha-Lechkhumi [in Georgian with summary in Russian]. N. V. Nachkebiia. Trudy Inst. geog. AN Gruz. SSR 15:3-20 '61.

Interregional differences of Racha-Lechkhumi [in Georgian with summary in Russian]. N. V. Nachkebia. Trudy Inst. geog. AN Gruz. SSR 15:189-203 '61.

RACHA-LECHKHUMI—HISTORICAL GEOGRAPHY

Historicogeographical study of Racha-Lechkhumi [in Georgian with summary in Russian]. K. D. Antadze. Trudy Inst. geog. AN Gruz. SSR 15:53-80 '61.

722-705 O - 64 - 20

RADAR IN AERONAUTICS

Radar control of flights. I. Borisenko. Kryl. rod. 11 no. 11 32-33 N '63.

RADAR IN ASTRONOMY

Interference on Venus Radar research. Ye. I. Sivkh. Priroda 52 no. 9 68-71 '63.

RADAR IN NAVIGATION

Testing of marine radar responder-beacons at sea. T. Semikov. Mor. flot 23 no. 8:17-19 Ag '63.

RADAR IN OCEANOGRAPHY

Using radar for observing drift ice in the White Sea Strait. E. M. Novikova. Okeanologiia 3 no. 4 730-739 '63.

RADAR METEOROLOGY

Radar detection of thunderstorms based on the data on the maximum intensity of rains. V. M. Muchnik. Meteorologiia i gidrol. no. 10:42-43 O '63.

Radar method for determining the texts of origin of rains. V. E. Etinde, V. P. Lapchenia, G. K. Sulakvelidze. Meteorologiia i gidrol. no. 10, 10-14 O '63.

Radar observation as a method for studying the influence on supercooled strati. I. M. Volynets and others. Meteorologiia i gidrol. no. 10 3-9 O '63.

Use of radar stations for the study of the atmospheric turbulence. A. A. Zagorodnikov. Meteorologiia i gidrol. no. 10, 28-32 O '63.

RADIATION

(see also subdivision under Arctic regions)

Formation of radicals in the radiolysis of solid organic substances. Part 2. Yield of radicals in benzene and biphenyl derivatives. IU. N. Molin and others. Kin. i kat. 4 no. 4 557-560 Jl-Ag '63.

On the temperature limit for the effect of radiation on the rate of chemical transformations. A. M. Brodskii, K. P. Lavrovskii. Kin. i kat. 4 no. 4 652-653 Jl-Ag '63.

On the theory of the accumulation of stabilized radicals in solids. G. K. Vasil'ev, V. L. Tal'roze. Kin. i kat. 4 no. 4 497-507 Jl-Ag '63.

Radiation-thermal cracking of propane. Vikt. I. Spitsyn and others. Neftekhimiia 3 no. 4 615-619 Jl-Ag '63.

Radioactivity and the characteristics of radioactive radiation. N. Manko. Voen. vest. 43 no. 7 112-115 Jl '63.

RADIATION—DOSAGE

Calculating the spatial distribution of dosed fluxes of captured gamma radiation [with summary in English]. L. P. Bolsacheva, K. K. Popkov, L. N. Tabolina. Inzh.-fiz. zhur. 6 no. 11 85-89 N '63.

Determination of the C^{14} concentration by the method of trace calculation. N. D. Perumova, L. E. Pakulina. Dokl. AN SSSR 152 no. 2:461-463 S '63.

Determination of the integral absorbed dose in animals irradiated with X rays. V. V. Kholin, V. P. Lukianov, A. M. Butkova. Radiobiologiia 2 no. 6, 947-949 '62.

RADIATION—PHYSIOLOGICAL EFFECT

Change in the pain-induced leucocytic reaction in radiation and combined radiation injuries [with summary in English]. M. I. Ul'ianov, B. V. Sakharov. Med. rad. 8 no. 2:42-46 F '63.

Change of tyrosine, tryptophan and histidine under the action of ionizing and light radiation [with summary in English]. M. V. Kolomiichenko. Ukr. biokhim. zhur. 34 no. 2 217-229 '62.

Changes in the reactivity of an irradiated organism. V. Sib, IA. Kvetina. Radiobiologiia 2 no. 6:950-952 '62.

Closing remarks. B. N. Tarusov. Trudy MOIP. Otd. biol. 7 230-231 '63.

Comparative effect of ultraviolet and infrared rays and vitamin D_2 preparations in raising suckling pigs in winter. D. A. Ustinov. Trudy VIZH 24:403-412 '62.

Decrease in the immunobiological resistance of the body as a manifestation of an irreversible component of radiation injury. I. G. Akoev, M. A. Lagun. Med. rad. 8 no. 2:47-50 F '63.

Direct and indirect effect of radiation on biological systems [with summary in English]. IA. L. Shekhtman. Trudy MOIP. Otd. biol. 7 9-14 '63.

Discussion on papers read at the sessions of the first day of the Symposium. A. G. Pasynskii. Trudy MOIP. Otd. biol. 7 60-67 '63.

Discussion on papers read at the sessions of the second day of the Symposium. S. E. Manoilov. Trudy MOIP. Otd. biol. 7:132-139 '63.

Discussion on the papers read at the sessions of the third day of the Symposium. S. N. Ardashnikov. Trudy MOIP. Otd. biol. 7 218-219 '63.

Effect of autolytic processes on the electrical parameters of tissues in irradiated animals [with summary in English]. E. V. Burlakova, I. M. Parkhomenko. Trudy MOIP. Otd. biol. 7 113-117 '63.

Foreword. V. Korogodin. Trudy MOIP. Otd. biol. 7:5-6 '63.

Injury of metal-containing enzymes as a primary manifestation of the biological action of penetrating radiation [with summary in English]. S. E. Manoilov. Trudy MOIP. Otd. biol. 7:30-41 '63.

Interaction between ionizing radiations and living substance and the nature of reactions of the latent period [with summary in English]. N. V. Luchnik. Trudy MOIP. Otd. biol. 7 171-180 '63.

Interpretation of the "time-effect" curves. N. V. Luchnik, IA. B. Livchak. Prim. mat. metod v biol. no. 2:212-224 '63.

Introductory remarks. B. N. Tarusov. Trudy MOIP. Otd. biol. 7 7-8 '63.

Kinetics of the primary oxidation reactions of radiation injury [with summary in English]. B. N. Tarusov. Trudy MOIP. Otd. biol. 7:68-72 '63.

One of the possible applications of the theory of probability to radiation cytogenetics. N. V. Luchnik. Prim. mat. metod. v biol. no. 2 177-182 '63.

Oxidation of thymine and valine and radiation injury in Infusoria. A. S. Popov. Radiobiologiia 2 no. 6 811-818 '62.

Primary toxic substances in radiation injury of animals, toxic properties of oxidized oleic acid [with summary in English]. IU. B. Kudriashov, V. Mal'tis. Trudy MOIP. Otd. biol. 7 84-92 '63.

Relative role of the "direct" and "indirect" oxygen effect in the primary mechanism of the biological action of ionizing radiations [with summary in English]. S. N. Ardashnikov. Trudy MOIP. Otd. biol. 7:15-29 '63.

Role of the ploidy factor in radiation injury of cells and some genetic effects of radiation [with summary in English]. V. I. Korogodin. Trudy MOIP. Otd. biol. 7 181-188 '63.

Study of the radiosensitivity of DNA on the molecular level [with summary in English]. P. L. Seitlin and others. Trudy MOIP. Otd. biol. 7:12-46 '63.

What humanity has escaped from. A. Lebedinskii. Sov. Soiuz no. 10 14-15 '63.

RADIATION—PROTECTIVE AGENTS

Action of prophylactic substances in internal and external irradiation of animals [with summary in English]. L. L. Khamaide, A. S. Mochalina. Trudy MOIP. Otd. biol. 7. 127-131 '63.

Effect of protective substances applied after radiation on the frequency of chromosome aberrations [with summary in English]. L. S. TSarapkin. Trudy MOIP. Otd. biol. 7:213-217 '63.

Kinetics of the primary oxidation reactions of radiation injury [with summary in English]. B. N. Tarusov. Trudy MOIP. Otd. biol. 7:68-72 '63.

Lipid model of radiation injury and antiradiation prophylaxis [with summary in English]. A. I. Zhuravlev. Trudy MOIP. Otd. biol. 7 93-101 '63.

New data on the mechanism of protector action [with summary in English]. E. F. Romantsev. Trudy MOIP. Otd. biol. 7 102-107 '63.

Role of free radicals in radiobiological processes and some new possibilities for developing means against radiation injury [with summary in English]. N. M. Emanuel'. Trudy MOIP. Otd. biol. 7 73-83 '63.

RADIATION—SAFETY MEASURES

Changes in the amount of nucleic acids in the organs of rats under the influence of X radiation and the prophylactic action of propyl gallate [with summary in English]. M. F. Lapkin, V. A. Barabol, R. H. Lukashova. Ukr. biokhim. zhur. 34 no. 2 167-175 '62.

Characteristics of the action of some protective substances in the irradiation of isolated cells in mammals. E. N. Tolkacheva, I. F. Bregadze (Nenarokova). Radiobiologiia 2 no. 6 907-911 '62.

Chemical prophylaxis of radiation injuries in different species of animals. V. P. Korotkova, A. M. Stashkov. Radiobiologiia 2 no. 6 903-906 '62.

Defense against flash radiation. L. Markov. Voen. vest. 41 no. 1:34-37 Ja '62.

Radiation protection with indole, its derivatives and some other compounds in vitro. P. G. Zherebchenko. Radiobiologiia 2 no. 6, 912-916 '62.

Theoretical aspects of chemical protection of mammals from ionizing radiations. E. IA. Graevskii. Zhur. ob. biol. 24 no. 1, 3-22 Ja-F '63.

RADIATION LOGGING (OIL WELLS) see Oil well logging, Radiation

RADIATION SICKNESS

Case of radiation sickness caused by radioactive cesium. L. I. Giller. Med. rad. 8 no. 2:23-25 F '63.

Development of a destructive autolysislike process in radiation injury [with summary in English]. V. N. Benevolenskii. Trudy MOIP. Otd. biol. 7:108 '63.

Disorders and restoration of the activity of the digestive system in experimental radiation sickness. M. F. Nesterin, K. V. Smirnov. Radiobiologiia 2 no. 6, 859-867 '62.

Disorders in the processes of cell regeneration in the bone marrow of rats subjected to ionizing radiation. G. P. Gruzdev and others. Med. rad. 8 no. 2:35-42 F '63.

Distribution of radioactive vitamin B_{12} in the plasma and organs of rats in acute radiation sickness. L. L. Shepshelevich, L. S. Rogacheva. Radiobiologiia 2 no. 6:843-846 '62.

Effect of cystamine hydrochloride on the development and course of radiation sickness in patients subjected to roentgenoradiotherapy [with summary in English]. V. S. Vakhtel', L. F. Sinenko. Med. rad. 8 no. 2:13-18 F '63.

Extremely weak luminescence (150-700 mμ) of suspensions and homogenized liver tissue in normal conditions and following the action of ionizing radiation. A. I. Poltev, E. N. Sekamova. Radiobiologiia 2 no. 6:801-810 '62.

Functional principle in the evaluation of the relative significance of radiation injuries of the nucleus and cytoplasm, a genetic theory of radiation sickness [with summary in English]. B. I. Astaurov. Trudy MOIP. Otd. biol. 7:140-161 '63.

Incorporation of methionine-S^{35} into the proteins of marrow and spleen in acute radiation sickness and the effect of bone marrow transplantation on this process. V. A. Revis. Radiobiologiia 2 no. 6 914-925 '62.

Means of the distribution of intestinal autoflora in acute radiation sickness caused by the action of a Co^{60} radiation [with summary in English]. G. I. Nebolsina, N. V. Sokolova. Trudy TomNIIVS 12 285-291 '60.

Production of homologous bone marrow chimeras in guinea pigs. D. R. Kaulen, K. A. Lebedev, D. V. Shafir. Radiobiologiia 2 no. 6 873-877 '62.

"Radiation pathology in animals" by P. IA. Rylnik. Reviewed by G. M. Grudinshko. Veterinariia 39 no. 10:80-81 O '62.

Reaction of the blood system in dogs to massive hemorrhage in late periods following a chronic action of ionizing radiation [with summary in English]. I. V. Bogatov. Med. rad. 8 no. 2 28-35 F '63.

Residual phenomena and late sequelae of acute radiation sickness in man. I. N. Antipenko. Med. rad. 8 no. 2:58-65 F '63.

Study of the blood coagulation system in acute radiation sickness after the transplantation of bone marrow. N. IA. Lagutina. Radiobiologiia 2 no. 6:855-858 '62.

Use of bone marrow suspension in superlethal radiation injuries [with summary in English]. K. N. Mal'sagova. Med. rad. 8 no. 2:25-28 F '63.

Use of electronic computers in analyzing the pathological process in man. P. V. Gubler. Prim. mat. metod v biol. no. 2:78-80 '63.

RADIATION STERILIZATION

Effect of ultraviolet radiation on some forms of microorganisms of the paratyphoid group. Z. M. Kulieva. Trudy Ul'ian. sel'khoz. in-ta. 8 no. 2:81-88 '62.

Factors affecting the storage time and quality of fresh fruit, berries, and vegetables treated with gamma rays. L. P. Koval'skaia. Kons. i ov. prom. 18 no. 10 [illegible] O '63.

Using ultraviolet rays for disinfection in anaerobic infections. A. P. Vasil'ev, K. N. Sal'nikova. Trudy Ul'ian. sel'khoz. in-ta. 8 no. 2:73-80 '61.

RADICALS (CHEMISTRY)

An electron is looking for its partner. V. Ivankovskii. Nauka i zhyttia 12 no. 5:56-59, 61 My '63.

Formation of radicals in the radiolysis of solid organic substances. Part 2: Yield of radicals in benzene and biphenyl derivatives. IU. N. Molin and others. Kin. i kat. 4 no. 4:557-560 Jl-Ag '63.

Free radical addition of N-alkyl acetamides to methyl acrylate. G. I. Nikishin, R. I. Mustafaev, A. D. Petrov. Dokl. AN SSSR 152 no. 4:878-881 O '63.

On the theory of the accumulation of stabilized radicals in solids. G. K. Vasil'ev, V. L. Tal'roze. Kin. i kat. 4 no. 4:497-507 Jl-Ag '63.

Role of free radicals in radiobiological processes and some new possibilities for developing means against radiation injury [with summary in English]. N. M. Emanuel'. Trudy MOIP. Otd. biol. 7:71-83 '63.

Use of radioactive mercury for investigating free radicals in solution. V. P. Kushner. Kin. i kat. 4 no. 4 517-525 Jl-Ag '63.

RADIN, LEONID PETROVICH, 1860-1900

The birth date of L. P. Radin, a revolutionary poet. G. G. Matiushin. Ist. arkh. 8 no. 2:231 Mr-Ap '63.

RADIO

Example of the systematization of information about parameters of radio engineering parts in tabular form. V. O. Belogorskii. NTI no. 3, 13-15 '63.

Exchange of experience. Radio no. 10:63 O '63.

From the editor's mail. Radio no. 10:17-18 O '63.

Gorelova, G. I., V. T. Romanov, and P. N. Ukhin. [Principles of radio engineering and radio-television systems] Osnovy radiotekhniki i kinoradioustanovki. Moskva, Izd-vo "Iskusstvo," 1963, 294 p.

Maximum amount of information from a receding source. V. I. Siforov. Izv. AN SSSR. Tekh. kib. no. 4:100-03 Jl-Ag '63.

Our consultations. Radio no. 10:62-63 O '63.

Preparations for the Spartakiada should be conducted in an exemplary fashion. Radio no. 10:1-2 O '63.

[Radioelectronics in the national economy of the U. S. S. R.] Radioelektronika v narodnom khoziaistve SSSR, sbornik trudov nauchno-tekhnicheskikh konferentsii NTOR i E imeni Popova. Kuibyshev, Kuibyshevskii elektrotekhn. in-t sviazi, 1962. 165 p.

Vsesoiuznyi zaochnyi elektrotekhnicheskii institut sviazi. [Applications of dynamic band compressors] Primenenie szhimatelei dinamicheskogo diapazona, uchebnoe posobie dlia slushatelei fakul'teta usovershenstvovaniia. Moskva, 1962. 52 p.

RADIO—ANTENNAS

Model of the "Wave channel" antenna V. Rydanov. Voen vest 41 no. 1 101-102 Ja '62.

RADIO—EQUIPMENT AND SUPPLIES

Catalog of amateur radio equipment. E. I. Kaplan. Sov. bibl. no. 5 81-86 '63.

Hermetically sealing materials for radio equipment. L. N. Kozlovskaia, V. V. Mishustina. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform 16 no. 11 17-20 '63.

Sonin, V. K., and E. K. Sonin. [Apparatus for visual tuning of radio amateur equipment] Pribory dlia vizual'noi nastroiki radiolubitel'skoi apparatury Moskva, Gosenergoizdat, 1963. 69 p. (Massovaia radiobiblioteka, no. 183)

RADIO—RECEIVERS AND RECEPTION

Block-type superheterodyne receiver. V. Ivanov. Radio no. 10 36-38 O '63.

Design of radio apparatus. T. Ostanovskii, B. Solov'ev. Sov. torg. 36 no. 8:26-28 Ap '63.

Gutkin, L. S., V. L. Lebedev, and V. I. Siforov. [Radio receiving devices] Radiopriemnye ustroistva. Pod red. V. I. Siforova Moskva, Sovetskoe radio Pt. 2. 1963. 399 p.

Tuning of the TsRS radio station without instruments V. Valitskii. Pozh. delo 8 no. 9 24 S '63.

RADIO—REPAIRING

Elimination of simplest faults in radio receivers. A. Bazilev. V pom. radiolub. no. 10 43-64 '63.

Repaired by amateurs. N. Babkin. Radio no. 10:31-35 O '63.

RADIO—STUDY AND TEACHING

As suggested by life. V. Belov. Radio no. 10:1-6 O '63.

Programmed teaching in radio engineering courses. M. V. Rumiantsev, V. M. Volkov, M. F. Levin Izv. vys. ucheb. zav.; radiotekh. 6 no. 4:378-385 Jl-Ag '63.

RADIO—TRANSFORMERS

Malinin, R. M. [Output transformers] Vykhodnye transformatory. Moskva, Gosenergoizdat, 1963. 31 p. (Massovaia radiobiblioteka. Spravochnaia serila, 471)

RADIO, MILITARY

Radio-equipped plotting board. N. Rakhmanov. Voen. vest. 41 no. 11:119 N '61.

Radio operator trainees master the ST-35. K. Nikolaevskii, M. Budnichenko. Voen. vest 41 no. 1 97-98 Ja '62

Radio proving ground control panel. N. Ivanov. Voen. vest. 43 no. 7:98-100 Jl '63.

Setting up a radio relay station in winter (platoon exercise). I. Slavskii, R. Samoilov Voen. vest. 41 no. 1 95-97 Ja '62.

Skill wins. T. Kargopolov, S. Fabrichnov. Voen. vest. 41 no. 1:103 Ja '62.

RADIO, SHORTWAVE

Transmitter-receiver for operation on 430-440 mc. V. Lomanovich, D. Denkin. Radio no. 10:21-24 O '63.

RADIO AND LITERATURE

On the air with the writers. L. Parashin. Sov radio i tel. 11 no. 6:24-25 Je '62

RADIO AND MUSIC

Life for song. K. Voevodina. Sov radio i tel 11 no. 6:7-8 Je '63.

Ten thousand "well done's." G. Navtikov. Sov. radio i tel. 11 no. 6:6-7 Je '63.

There's a song on the air. T. Rymshevich. Sov. radio i tel. 11 no. 6:5 Je '62.

Those going our way. A. Pakhmutova. Sov. radio i tel. 11 no. 6:6 Je '63.

RADIO ASTRONOMY

Brightness variation of the object identified with the radio source ZS 273 [with summary in English] A. S. Sharov, Iu. N. Efremov. Astron. zhur. 40 no. 5:950-952 S-O '63.

Frequency spectrum of the slowly varying component of solar radio emission [with summary in English] V. V. Zheleznlakov. Astron. zhur. 40 no. 5:820-841 S-O '63.

Ionospheric interpretation of the results of radio astronomical observations of Venus. Part 1. A. D. Danilov, S. P. Ilatsenko. Geomag. i aer. 3 no. 4:585-593 Jl-Ag '63.

Ionospheric interpretation of the results of radio astronomical observations of Venus. Part 2. A. D. Danilov, S. P. Ilatsenko. Geomag. i aer. 3 no. 4:594-597 Jl-Ag '63.

Mechanism of type-2 bursts of solar radio emission [with summary in English]. S. B. Pikel'ner, M. A. Gintsburg. Astron. zhur. 40 no. 5:842-846 S-O '63.

Radio astronomic research on the structure of solar atmosphere. W. N. Christiansen. Mir. nauki no. 4:8-11 '62.

Results of observations of intensity fluctuations of discrete sources at low frequencies. G. M. Artem'eva and others. Geomag. i aer. 3 no. 5:835-840 S-O '63.

RADIO CIRCUITS

Device for teaching and control in solving radio receiver circuit problems. M. F. Levin, L. S. Sokolov. Izv. vys. ucheb. zav., radiotekh. 6 no. 4:443-446 Jl-Ag '63.

RADIO CLUBS

(see also subdivision under Gomel')

Contribution of radio amateurs to technological progress. S. Matlin. Radio no. 10 3 O '63.

RADIO DETECTORS

Study of a phase detector network Li Chen-shu [Li Ch'eng-shu] Sbor. trud LIIZHT no 179 159-167 '61

RADIO FILTERS

Synthesis of an optimum filter for signals changing statistical properties at successive time intervals [with summary in English]. Avtom i telem 24 no. 10 1330-1337 O '63

RADIO INDUSTRY

Automatic line for setting radio parts on printed plates. L. N. Dmitriev. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 40-42 '63.

Discussing the article "Modulus or micromodulus?" Iu. A. Listov. Priborostroenie no. 10:15-19 O '63.

Parnes, M. G. [Mechanization and automation of installation and assembly operations in the radio industry] Mekhanizatsiia i avtomatizatsiia montazhno-sborochnykh rabot v radiotekhnicheskom proizvodstve, obzor. Leningrad, Leningr. dom nauchno-tekhnich. propagandy, 1963. 64 p

[MICROFILM]

RADIO INDUSTRY—QUALITY CONTROL

Pavlychenko, A. D., and others. [Reliability of radioelectronic apparatus] Nadezhnost' radioelektronnoi apparatury Pod obshchei red. A. S. Gronicheva. Moskva, Izd-vo "Sovetskoe radio," 1963. 143 p.

RADIO JOURNALISM

(see also subdivision under Donetsk Province, Khabarovsk Territory)

Journalists advance V. Malinin. Sov. radio i tel 11 no. 6:8-10 Je '62.

The listener brings aid. . A. Timofeeva. Sov. radio i tel. 11 no. 6:14-15 Je '62.

With "disputed subjects." M. Vainshtein Sov. radio i tel. 11 no. 6:10 Je '63.

RADIO MEASUREMENTS

Increase in the upper limit of field strength measurements using a comparator with circular shielded loop coil. E. E. Gein. Vest. sviazi 23 no. 8:12 Ag '63.

Miklashevskaia, A. V. [Automation of radio measurements] Avtomatizatsiia radiotekhnicheskikh izmerenii. Moskva, Redaktsionno-izdatel'skii otdel VZEIS, Pt 2. [Antenna measurements] Antennye izmereniia. 1963. 34 p.

[MICROFILM]

RADIO OPERATORS

Amateur radio competitions in the Spartakiada. N. Kazanskii. Radio no. 10:8-9 O '63.

Contribution of radio amateurs to technological progress. S. Matlin. Radio no. 10 3 O '63.

The R. S. F. S. R. championship in the all-around combined competitions. T. Kargopolov. Radio no. 10:11 O '63.

Seminars for judges of amateur radio competitions. V. Lykov. Radio no. 10 10 O '63.

Short radio waves. Radio no. 10:15-16 O '63.

Simple signal generators for studying the Morse code. L. Selin. Radio no. 10.19-20 O '63.

What the accounts indicate. K. Nikolaev. Radio no. 10:12-13 O '63.

RADIO PROGRAMS FOR CHILDREN

(see also subdivision under Azerbaijan)

What are our worries? A. Beda. Sov radio i tel. 11 no. 6:1-2 Je '62.

RADIO RELAY SYSTEMS

Calculation of the intervals of radio relay lines with passive repeaters. A. I. Rakov. Vest. sviazi 23 no. 8:14-15 Ag '63.

Problem concerning the organization of sectional radio relay communications in railroad transport. I. I. Petrov. Sbor. trud LIIZHT no. 179 155-168 '61.

RADIO WAVES

Radio emission from a meteor trail. Iu. A. Medvedev. Geomag. i aer. 3 no. 5:981-983 S-O '63.

Refraction and Doppler shifting of frequencies of radio waves emitted by an artificial satellite in the three-dimensional inhomogeneous ionosphere. IA. L. Al'pert. Geomag. i aer. 3 no. 4:626-634 Jl-Ag '63.

Vinogradova, M. B., and A. A. Semenov. [Principles of the theory of tropospheric propagation of ultrashort radio waves] Osnovy teorii rasprostraneniia ul'trakorotkikh radiovoln v troposfere. Moskva, Izd-vo Akad. nauk SSSR, 1963. 188 p.

RADIOACTIVATION ANALYSIS

Radioactivation method for determining oxygen in some polymers [with summary in English] L. V. Cheprl' B. A. Chapyzhnikov, B. I. Viting Zhur. anal. khim 18 no. 7 865-872 Jl '63

RADIOACTIVE FALLOUT

Degree of contamination and the characteristics of the distribution of radioactive cesium in the body of man and domestic animals under natural conditions L. G. Shakhidzhanian Radiobiologiia 2 no. 6 838-842 '62.

RADIOACTIVE SUBSTANCES

Rare radioactive elements in phosphorites. V. N. Kholodov. Trudy IMGRE no. 17 67-108 '63.

RADIOACTIVE SUBSTANCES—DECAY

Dzhelepov, B. S., L. K. Peker, and V. O. Sergeev. [Decay schemes of radioactive nuclei at $A \geq 100$] Skhemy raspada radioaktivnykh iader $A \geq 100$ Moskva, Izd-vo Akad. nauk SSSR, 1963. 1058 p

Experimental observation of proton emission in radioactive decay. V. A. Karnaukhov and others. Zhur. eksp. i teor. fiz. 45 no. 1 1280-1282 O '63.

RADIOACTIVE SUBSTANCES—INDUSTRIAL APPLICATIONS

International Conference on the Use of Powerful Radiation Sources in Industry. B. L. TSetlin. Vest. AN SSSR 33 no. 10 93-94 O '63.

RADIOACTIVE TRACERS

Apparatus for measuring the speed of grain movement on a sieve with the application of radioactive isotopes. V. A. Smirnitskii, G. A Klishin. Trudy VISKHOMa no. 31 23-33 '62.

RADIOACTIVITY

Radioactivity and the characteristics of radioactive radiation. N. Man'ko. Voen. vest. 43 no. 7 112-115 Jl '63.

RADIOACTIVITY—PHYSIOLOGICAL EFFECT

Development of salmon eggs (sixth phase) in water polluted with radioactive substances. A. F. Fedorov and others. Ryb. khoz. 38 no. 11:19-22 '62.

RADIOARGON DATING

Determination of the absolute age of rocks based on the age of amphiboles IE S Barkser, F I Kotlovs'ka Dop AN URSR no 12 1610-1613 '61

RADIOBIOLOGY

Hit principle in radiobiology [with summary in English]. N. V. Timofeev-Resovskii. Trudy MOIP. Otd biol. 7: 162-173 '63.

RADIOBIOLOGY—CONGRESSES

Second International Congress on Radiation Research. O. P. Domareva. Zhur. ob. biol. 24 no. 1 64-70 Ja-F '63.

RADIOBROADCASTING

(see also subdivision under White Russia)

The hour of frank talk. N. Kiseleva, V. IAvinskii Sov. radio i tel 11 no 6:2-3 Je '63

Let's clear this up. V. Feoktistov. Sov. radio i tel 11 no. 6:26-28 Je '62.

The microphone is set up in the villages. L. Babenko. Sov. radio i tel. 11 no. 6:30-31 Je '62.

Radio and television are powerful weapons in the ideological work of the party. E. E. Dobrovol'skii. Vest. sviazi 23 no. 8.3-4 Ag '63.

RADIOCHEMISTRY

The achievements of a young science, radiochemistry. I. Tarkova'ka. Nauka i zhyttia 12 no. 3:47-48 Mr '63.

Correlation between the data of radiation chemistry of polynucleotides and their precursors and some radiobiological effects [with summary in English]. M. I. Shal'nov. Trudy MOIP. Otd biol. 7:47-59 '63.

Radiation-chemical synthesis of ethylene glycol and formaldehyde from methanol. Kim Khon Sil, A. V. Zimin, V. A. Sharpatyi. Khim. prom. no. 7:492-195 Jl '63.

The world behind lead glass. IA. Holovanov. Nauka i zhyttia 12 no. 3:49-50 Mr '63.

RADIOISOTOPES

Accumulation of radioactive isotopes of strontium, calcium, yttrium and cerium in amphipods. N. N Khmeleva. Radiobiologiia 2 no. 6:944-948 '62

RADIOISOTOPES—ANALYSIS

Isolation of carrier-free radioisotopes by extraction with organic solvents. N. P. Rudenko. Trudy Kom. anal. khim. 14:11-23 '63.

RADIOISOTOPES—INDUSTRIAL APPLICATIONS

Distribution of radioisotopes in blast furnace smelting. N. S. Nemtsov. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:20-27 '63.

RADIOLOGISTS

Some problems of primary specialization of radiologists at local bases. S. N. Popov. Zdrav. Ros. Feder. 7 no. 10:28-30 O '63.

RADIOLOGY, MEDICAL—CONGRESSES

Fourth International Congress of Roentgenologists and Radiologists [V. V. Zedgenidze and others] Med rad 8 no. 2 90-92 F '63

RADIOMETRY

Determination of the dose of radiation from β-applicators [with summary in English] V. V. Bochkarev and others Med rad 8 no. 2 66-73 F '63

Use of the radiometric method in studying percolation in soils of earth dam permeability R. M. Vagabov, L. A. Vasil'ev, SSR, Ser. fiz.-mat. i tekh. nauk no. 3:133-138 '63

RADIOTELEGRAPH

Closed radio circuit V. Tolstoi Voen. vest 41 no. 11 104-105 N '61

Physical exercises for signalmen V. Makarov, I. Petrushevskii, Iu. Dem'ianenko Voen. vest 41 no. 1 99-100 Ja '62

Was the question properly put? E. Burlachenko, N. Rodin Voen. vest 41 no. 11 103-104 N '61

RADIOTHERAPY

Effect of cystamine hydrochloride on the development and course of irradiation sickness in patients subjected to intensive radiotherapy [with summary in English] V. V. Belov, I. F. Sinenko Med. rad. 8 no. 2 13-18 F '63

Influence of field dimensions on the effectiveness of the method of radiation in static distance x-ray and gamma therapy [with summary in English] A. N. Krongauz, B. M. Aliev, Med. rad. 8 no. 2 10-12 F '63

Method of radiotherapy for cancer of the corpus uteri V. P. Bobilevich Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 69-71 '61

"Radiation therapy of breast cancer" by T. G. Larishchenko, A. G. Nadzharov, D. L. Rozin Med. rad. 8 no. 2:76-78 F '63

State of ocular accommodation in radiotherapy [with summary in English] Iu. A. Bystrova Med. rad. 8 no. 2:19-23 F '63.

RADIOTHERAPY—EQUIPMENT AND SUPPLIES

Control of the Cs^{137} preparation in the γ-apparatus GUTR-Cs-400 [with summary in English] M. Sh. Vainberg, V. V. Vershinin, Med. rad. 8 no. 2 73-75 F '63

RADO, SANDOR

Professor S. Rado, the Kossuth Prize laureate, K. A. Salishchev, Vest. Mosk. un. Ser. 5 Geog. 18 no. 6 94 N-D '63

RADOINOV, TSVIATKO, d. 1942

Dragoliubov, Petr. [General TSviatko Radoinov Translated from the Bulgarian] General TSviatko Radoinov Moskva, Voenizdat, 1963. 94 p.

RAFTS

Calculating the strength of a sectional raft (to be concluded). G. A. Manukhin, S. A. Vladimirov. Les. prom. 40 no. 6 17-19 Je '62.

RAILROAD BRIDGES

Bridge roadbed without ballast. Zhel. dor. transp. 45 no. 10 77 O '63.

RAILROAD ENGINEERING

Needed textbook of technical and economic calculations. V. M. Shul'penkov. Zhel. dor. transp. 45 no. 10 92-93 O '63.

RAILROADS

(see also subdivision under Ethiopia, Germany, East; Transcaucasia)

Development of the railroad network of the U. S. S. R. [N. N. SSSR. Energ. i transp. no. 5:

ystems.

7

[Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat,

Pt. 1, Sec. D, ch. 1. [Railroads, materials and products] Zheleznye dorogi, materialy i izdeliia (SNiP I-D, 1-62). 1963. 16 p.

RAILROADS—ABSTRACTS

[Railroad transportation] Ref. zhur.: Zhel. dor. transp. no. 11 N '63.

RAILROADS—AUTOMATIC TRAIN CONTROL

"Eliminate lack of personal responsibility in servicing automatic stop systems." M. A. Epishin and others. Avtom., telem. i sviaz' 7 no. 10, 43 O '63.

The train does not stop. Iu. S. Khlebtsevich. Znan.-sila 38 no. 5, 47-49 My '63.

RAILROADS—BRAKES

Rubbers for the braking systems with a base of butylnitrile and butylstyrene rubber compound. L. E. Vinitskii, V. I. Prokof'eva. Trudy TSNII MPS no. 267: 94-99 '63.

Stable breaking conditions of electric diesel locomotives. S. F. Diubizko, B. M. Iudin, B. N. Matsko. Elektrichestvo no. 10 51-57 O '63.

RAILROADS—CARS

Investigating the state of stress of some sandwich structures. V. I. Naumov. Trudy TSNII MPS no. 267, 121-142 '63

RAILROADS—CARS—DESIGN AND CONSTRUCTION

Design of the longitudinal elements of car frames. A. A. L'vov. Trudy DIIT no. 24 63-71 '64.

RAILROADS—CARS—MAINTENANCE AND REPAIR

Overall mechanization of car repair and maintenance. N. I. Kirillov. Zhel. dor. transp. 45 no. 10 71-73 O '63.

Russia (1923- U. S. S. R.) Glavnoe upravlenie vagonnogo khoziaistva [Instructions for the car inspector, superseding Instructions for the car inspector TSV/1773 of December 14, 1953] Instruktsiia osmotrshchiku vagonov, v otmenu Instruktsii osmotrshchiku vagonov TsV 1773 ot 14 dekabria 1953 g. Moskva, Transzheldorizdat, 1963. 66 p.

RAILROADS—COMMUNICATION SYSTEMS

Change in the schematic for connecting VChPD-50 apparatus in an operator station. A. IA. Pominykh. Avtom., telem. i sviaz' 7 no. 10 40 O '63.

Direct control battery has become unnecessary. B. A. Kalugin. Avtom., telem. i sviaz' 7 no. 10 32-33 O '63.

Intermediate telegraph repeater. A. I. Shibaev. Avtom., telem. i sviaz' 7 no. 10 31 O '63.

Long-distance railroad cable communication lines. D. A. Bunin. Avtom., telem. i sviaz' 7 no. 10 8-11 O '63.

A multivibrator instead of a buzzer. M. I. Gushchin. Avtom., telem. i sviaz' 7 no. 10 36 O '63.

Problem concerning the organization of sectional radio relay communications in railroad transport. I. I. Petrov. Sbor. trud. LIIZHT no. 179 155-168 '61.

Should A1A-57 telegraph stations be converted now? G. B. TSigel'man. Avtom., telem. i sviaz' 7 no. 10 35-36 O '63.

Tone dial apparatus using transistor components. V. I. Kurgapkin. Avtom., telem. i sviaz' 7 no. 10 16-18 O '63.

RAILROADS—DESIGN AND CONSTRUCTION
(see also subdivision under Siberia, Soviet Central Asia)

"Railroads. Regulations for the construction work, organization and acceptance of completed work." Biul. stroi. tekh. 20 no. 8 11-12 Ag '63.

They write to us. V. K. Dziun', S. I. Logakin, E. A. Volper. Transp. stroi. 12 no. 3 61-62 Mr '62

RAILROADS—EARTHWORK

Efficient methods of compacting railroad embankments. IU. I. Khromov. Transp. stroi. 12 no. 3 10-11 Mr '62

RAILROADS—ELECTRIC EQUIPMENT
(see also subdivision under Kiev)

BKSMSh-2 condenser block. P. N. Zhil'tsov. Avtom., telem. i sviaz' 7 no. 10 11 O '63.

Choice of transistors for converter circuits. A. S. Kapusta, L. M. Rapota. Avtom., telem. i sviaz' 7 no. 10 21-22 O '63.

Devote more attention to specialized control machines. O. E. Afanas'ev. Avtom., telem. i sviaz' 7 no. 10 23 O '63.

Generalized formulas for calculating cables of track circuits for minimum copper content. A. D. Shumilov. Sbor. trud. LIIZHT no. 179 9-14 '61.

Information. Avtom., telem. i sviaz' 7 no. 10 46-47 O '63.

[illegible] regulation for purposes of controlling the state of [illegible] itional objects. V. I. Demsov. Sbor. trud. no. 179 15-27 '61.

RAILROADS—ELECTRIFICATION
(see also subdivision under Siberia)

Development of the electrification of railroad transportation. S. M. Serdinov. Izv. AN SSSR. Energ. i transp. no. 5:605-607 S-O '63.

Pressing problems in the electrification of means of transportation. M. P. Kostenko. Izv. AN SSSR. Energ. i transp. no. 5 599-604 S-O '63.

Review of S. D. Volobrinskii, M. V. Kudriavtsev, and V. N. Stepanov's book "Electrical networks and power systems." M. D. Kamenskii, B. L. Aizenberg. Elektrichestvo no. 11, 88-89 N '63.

RAILROADS—ELECTRONIC EQUIPMENT

Kaplan, A. B. [Cybernetics in railroad transportation] Kibernetika na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1963. 66 p. (V pomoshch' izuchaiushchim ekonomiku zheleznodorozhnogo transporta)

The train does not stop. IU. S. Khlebtsevich. Znan.-sila 38 no. 5 47-49 My '63.

RAILROADS—EMPLOYEES
(see also subdivision under Kazakhstan, Soviet Central Asia, White Russia)

A close-knit team of workers. N. G. Korotaev. Avt. telem. i sviaz' 7 no. 10 24-26 O '63.

Decisions of the June Plenum of the Central Committee of the CPSU and objectives of the communist education of workers. N. M. Semenov. Avtom., telem. i sviaz' no. 10, 1-3 O '63.

Stanislav Konotopchenko, an electrician. P. N. [illegible] Avtom., telem. i sviaz' 7 no. 10 26-27 O '63.

Technological progress and labor organization of railroad employees. IA. P. Kartsev. Zhel. dor. transp. 45 no. 10 13-19 O '63.

Try to equal the most progressive workers. I. I. Pl[illegible] mento. Avtom., telem. i sviaz' 7 no. 10 2 O '63.

RAILROADS—EMPLOYEES—DISEASES AND HYGIENE
(see also subdivision under Siberia)

Skin diseases and measures for their prevention. I. P. Bichner, I. E. Sosonkin. Gig. i epid. tiaga 7 no. 10 33-34 O '63.

RAILROADS—EMPLOYEES—MEDICAL CARE

Man is at the center of attention. G. Shapovalov. Okhr. truda i sots. strakh. 6 no. 11 4-5 N '63.

RAILROADS—EQUIPMENT AND SUPPLIES

Methylol polyamide phenol resins as antifriction material. Sh. M. Bilik, G. V. Gnedilova. Trudy TSNII MPS no. 267:70-81 '63.

New developments in the foreign technology. Zhel. dor. transp. 45 no. 10:89-91 O '63.

RAILROADS—FREIGHT
(see also subdivision under Imeretiya, Siberia, Western)

Analytic indication of the increase and decrease of the dynamic series in a given discrete interval. V. A. Baklushinskii. Trudy NIIZHT no. 25 187-190 '61.

Application of a uniform technology. M. S. Ilka[illegible] dor. transp. 45 no. 10:81 O '63.

Economic evaluation of the coefficient of irregularity the handling of freight transportation. [illegible] Trudy NIIZHT no. 25:117-133 '61.

Efficiency of the concentration of freight operations [illegible] the stations. A. S. Moshchalkov. Zhel. dor. transp. 45 no. 10:73-75 O '63.

Electromechanical device for closing charging hol[illegible] I. N. Kim. Gidroliz. i lesokhim. prom. 11 no. 1 [illegible] '61.

Flow sheet of the direct method of cargo handling operations by harbors and railroads. A. Polunin. Rech. flot 23 no. 8:9-10 Ag '63.

Improve the planning of freight transportation. A. V. Basov, P. E. Naumov. Zhel. dor. transp. 45 no. 10 94-95 O '63.

Irregularity of freight operations and ways to [illegible] V. K. Benkeko. Trudy NIIZHT no. 25:5-29 '61.

Organizing the removal of imported packaged per[illegible] from sea harbors by railroad transportation. A. [illegible] A. Kleiman. Mor. flot 23 no. 9, 12-14 S '63.

What has to be done to improve the organization of freight transportation. G. S. Raikher. Zhel. dor. transp. 45 no. 10:20-23 O '63.

Yards for the preparation of empty cars for loading are an efficient means for securing the regularity of [illegible] work in large loading areas. P. I. Moshkalev. [illegible] NIIZHT no. 25:75-87 '61.

RAILROADS—FREIGHT CARS

Freight car roof made from glass plastics. Z. V. K[illegible] glaia, A. A. Dladin, A. M. Sokov. Trudy TsNII MPS no. 267:82-93 '63.

Improving the utilization of the capacity of freight cars in the transportation of containers. V. A. Sheva[illegible] Zhel. dor. transp. 45 no. 10 75-76 O '63.

Some problems of the improvement of the design of freight cars. A. G. Varakuta. Zhel. dor. transp. 45 no. 10:59-60 O '63.

RAILROADS—FREIGHT CARS—DESIGN AND CONSTRUCTION

Use of aluminum alloys in the construction of freight cars. V. I. Gamirov and others. Zhel. dor. transp. 45 no. 10:47 O '63.

RAILROADS—HUMP YARDS

Experimental determining of the rolling speed of cuts down the hump. A. V. Bykadorov. Trudy NIIZHT no. 25:207-217 '61.

Increasing the traffic capacity of classification yards. N. N. Shabalin. Zhel. dor. transp. 45 no. 10:33-36 O '63.

Information. Avtom., telem. i sviaz' 7 no. 10 46-47 O '63.

Rated cuts in case of a variable speed of train uncoupling in hump yards. A. V. Bykadorov. Trudy NIIZHT no. 25:191-205 '61.

Variable speed rate of train sorting on humps. A. V. Bykadorov, N. I. Fedotov. Trudy NIIZHT no. 25 [illegible] '61.

RAILROADS—HYDRAULIC EQUIPMENT

Gasilov, R. G. [Hydraulic devices and mechanisms for track alignment] Putevye gidravlicheskie rikhtovochnye pribory i mekhanizmy. Moskva, Transzheldorizdat, 1963. 29 p. (Dostizhenila nauki i tekhniki — v proizvodstvo)

RAILROADS—LABOR PRODUCTIVITY

(see also subdivision under Soviet Central Asia)

Utilization of the potentials of the growth of labor productivity on a railroad line. P. F. Dynnik and others. Zhel. dor. transp. 45 no. 10 61-63 O '63.

RAILROADS—MAINTENANCE AND REPAIR

Discussion of the article "Instructions should be revised." V. I. Lukutin, A. I. Dzhemelinskii. Avtom., telem i sviaz' 7 no. 10 11-43 O '63.

Gasilov, R. G. [Hydraulic devices and mechanisms for track alignment] Putevye gidravlicheskie rikhtovochnye pribory i mekhanizmy. Moskva, Transzheldorizdat, 1963. 29 p. (Dostizhenila nauki i tekhniki — v proizvodstvo)

Investigating the characteristics of the build-up by weaving arc welding under flux. V. B. Shilapin, IU. G. Vinogradov. Trudy TSNII MPS no. 260:61-81 '63.

RAILROADS—MANAGEMENT

Economical use of fuel and electric power. L. G. Murzin, V. I. Savinskii. Zhel. dor. transp. 45 no. 10:30-33 O '63.

Efficiency of the transfer of the management of long industrial approach tracks to the jurisdiction of the Ministry of Railroad Transportation. I. M. Timofeev. Zhel. dor. transp. 45 no. 10 78-80 O '63.

Establishing operative norms for train movements under the conditions of considerable fluctuations in the traffic volume. IU. L. Vysotskii. Trudy NIIZHT no. 25 165-173 '61.

Kaplan, A. B. [Cybernetics in railroad transportation] Kibernetika na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1963. 66 p. (V pomoshch' izuchaiushchim ekonomiku zheleznodorozhnogo transporta)

Lengthening of haul distances in case of diesel traction. A. D. Belousov. Trudy NIIZHT no. 25 175-185 '61.

Methodology for determining the effect of irregularity in transportation operations on the quantitative and qualitative indices of a railroad line. F. U. Grushevskii. Trudy NIIZHT no. 25 27-46 '61.

Relation between the costs of operation and irregularity in freight transportation. A. I. Zhuravel'. Trudy NIIZHT no. 25 109-116 '61.

Ways for the economic and organizational strengthening of railroad divisions. E. A. Festunov, Kh. A. Temnyi. Zhel. dor. transp. 45 no. 10:58-59 O '63.

RAILROADS—PASSENGER TRAFFIC

New developments in the technology and organization of passenger transportation. B. P. Zaitsev. Zhel. dor. transp. 45 no. 10 7-13 O '63.

RAILROADS—RAILS

Causes for the formation of unevennesses in railroad rails in the process of their manufacture. IU. V. Grdina, L. V. TSarapkin. Izv. vys. ucheb. zav.; chern. met. 6 no. 8:132-136 '63.

Effect of the temperature of the end of rolling on the mechanical properties of rail steel. A. A. Govorov and others. Izv. vys. ucheb. zav., chern. met. 6 no. 8:137-140 '63.

Hard facing of rails with surface hardening along the full length of the head. O. G. Tkachenko. Trudy TSNII MPS no. 260.126-143 '63.

Kulagin, M. I., and others. [Rail corrugation] Volnoobraznyi iznos rel'sov. Pod red. E. V. Ovechnikova. Moskva, Izd-vo kommun. khoz. RSFSR, 1963. 177 p.

Lengthening the service life of rails. P. P. TSukanov. Zhel. dor. transp. 45 no. 10,24-29 O '63.

Macrostructure scale for rails. P. S. Plekhanov, A. E. Gorelkina. Standartizatsiia 27 no. 8:26-27 Ag '63.

RAILROADS—RAILS—WELDING

Contact welding of alloyed steel rails. N. K. Khriashcheva. Trudy TSNII MPS no. 260 82-101 '63.

Contact welding of rails with hard surfacing. A. M. Lebedev, N. B. Pavlov. Trudy TSNII MPS no. 260: 152-160 '63.

Investigating the cases of failure of welded rail joints. E. A. Greil'. Trudy TSNII MPS no. 260:102-127 '63.

Welding of the switch rails of the switch assembly. A. M. Lebedev, N. V. Pavlov. Trudy TSNII MPS no. 260.144-151 '63.

RAILROADS—ROLLING STOCK

Analyzing the causes of failures of the welded structures of the rolling stock under the conditions of low work stresses. M. M. Kraichik, V. B. TSkipurishvili, D. M. Kilan. Trudy TSNII MPS no. 260:36-44 '63.

Conditions of the initiation of brittle fracture in welded elements of the rolling stock and methods for its prevention. M. M. Kraichik. Trudy TSNII MPS no. 260. 4-30 '63.

Effect of some design and technological factors on the fatigue strength of welded joints. M. M. Kraichik. Trudy TSNII MPS no. 260:31-35 '63.

Use of welding for the rolling stock made from aluminum alloys. I. A. Moiseev, N. V. Pashkov. Trudy TSNII MPS no. 260 15-60 '63.

RAILROADS—SAFETY APPLIANCES

Improving the quality of production and action control of the safety lock of the lock retainer. I. M. Korotcev. Trudy DIIT no. 24 155-165 '54.

RAILROADS—SAFETY MEASURES

Man is at the center of attention. G. Shaposalov. Okhr. truda i sotsstrakh. 6 no. 11 4-5 N '63.

RAILROADS—SIGNALING

[Automatic control, remote control, and communications in railroad transport] Feedback in blocking and interlocking devices and some problems concerning the further automation of these systems. N. V. Lupal. Sbor. trud. LIIZHT no. 179 3-8 '61.

Automatic signaling devices for crossings. S. I. Afanas'eva. Avtom., telem. i sviaz' 7 no. 10:12-15 O '63.

Crossings signaling in sections with high-speed traffic. I. Z. Skrypin. Zhel. dor. transp. 45 no. 10 51-54 O '63.

Time modulation for purposes of controlling the state of two-positional objects. V. I. Denisov. Sbor. trud. LIIZHT no. 179 15-27 '61.

RAILROADS—SIGNALING—BLOCK SYSTEM

Experience in the construction of KBTsSh semiautomatic block systems. B. F. Khomiakov. Avtom., telem. i sviaz' 7 no. 10.26-30 O '63.

RAILROADS—SIGNALING—CENTRALIZED TRAFFIC CONTROL

Determination of the reliability of centralized traffic control equipment and some prospects for its improvement. D. M. Zeltser. Avtom., telem. i sviaz' 7 no. 10:19-20 O '63.

Most advanced techniques should be used in servicing centralized traffic control systems. N. A. Buro. Avtom. telem. i sviaz' 7 no. 10 4-6 O '63.

System of optimum automatic train traffic control in railroad districts with "avtodispetcher" systems. B. A. Zavialov. Izv. AN SSSR. Energ. i transp. no. 5: 625-630 S-O '63.

RAILROADS—STATIONS

(see also subdivision under Moscow)

Some requirements concerning the automation of station operations. B. I. Petrokanskii. Zhel. dor. transp. 45 no. 10 55-58 O '63.

RAILROADS—SWITCHES

Brief review of work concerning the strength of switches. V. I. Angeleiko. Trudy KHIIT no. 57:3-6 '62.

Calculations by the switch rail. V. N. Liashchenko. Trudy KHIIT no. 57:24-50 '62.

Conditions of the train movement over the siding of switches. G. V. Zotkin. Trudy KHIIT no. 57 58-69 '62.

Design of switch rails for strength. V. I. Angeleiko, E. A. Metlerkamp. Trudy KHIIT no. 57:7-23 '62.

Determining of stresses in the frog. G. V. Zotkin. Trudy KHIIT no. 57 51-57 '62.

Permissible traffic speed of trains taking the siding of switches. G. I. Zolotukhin. Trudy KHIIT no. 57 70-79 '62.

The switch lever arm closing system has become more reliable. S. P. Viatkin. Avtom., telem. i sviaz' 7 no. 10 34 O '63.

RAILROADS—SWITCHES—BIBLIOGRAPHY see Bibliography—Railroads—Switches

RAILROADS—TIMETABLES

[Timetable for passenger trains (abri of May 26, 1963] Raspisanie dvizhe poezdov (kratkoe); vvedeno s 26 mai skva, Transzheldorizdat, 1963. 27'

[Timetable for passenger trains; sum nie dvizhenila passazhirskikh poezdo Moskva, Transzheldorizdat, 1957.

RAILROADS—TRACK

Effect of the stiffness of the superstr and certain tolerances in repairing the rails of the locomotive. M. L. I DIIT no. 24:72-105 '54.

Replacing one-piece timbers. A. T. C stroi. 12 no. 3 12-14 Mr '62.

RAILROADS—TRAFFIC

Effect of "traffic intervals" on the reg movements by sections. IU. A. Antc no. 25,101-100 '61.

RAILROADS—TRAIN SPEED

Permissible traffic speed of trains ta switches. G. I. Zolotukhin. Trudy I 79 '62.

RAILROADS, INDUSTRIAL

Efficiency of the transfer of the management of long industrial approach tracks to the jurisdiction of the Ministry of Railroad Transportation. I. M. Timofeev. Zhel. dor. transp. 45 no. 10 78-80 O '63.

RAILROADS, NARROW-GAUGE—MAINTENANCE AND REPAIR

Over-all mechanization of track maintenance and repair on narrow-gauge railroads. V. P. Nctusov. Zhel. dor. transp. 45 no. 10 80-83 O '63.

RAILROADS, SINGLE-RAIL

City sprinters. IU. Galonen. Tekh. mol. 31 no. 8:1-2 '63.

RAIN AND RAINFALL see subdivision under Amur Province, Khabarovsk Territory

RAIN AND RAINFALL—MEASUREMENT

Statistical analysis of hydrological phenomena recurring several times during a year. IU. B. Vinogradov. Izv. AN Uz. SSR. Ser. tekh. nauk 7 no. 4 53-58 '63.

RAMAN EFFECT

Calculation of the integral intensities and depolarization in the Raman spectra of cyclohexane and deuterocyclohexane. N. I. Prokof'eva, L. M. Sverdlov, M. M. Sushchinskii. Opt. i spektr. 15 no. 4 464-470 O '63.

Observation of local vibrations in the Raman effect in crystals of potassium chloride with lithium impurity. A. I. Stekhanov, M. B. Ellashberg. Fiz. tver. tela 5 no. 10:2985-2987 O '63.

Theory of Raman scattering of light by molecules [with summary in English] K. Rebane, T. Rebane. Izv. AN Est. SSR. Ser. fiz.-mat. i tekh. nauk 12 no. 3 227-237 '63.

RAMSAYITE see subdivision under Kola Peninsula

RANDOM PROCESSES

Rozanov, IU. A. [Stationary random processes] Stalsionarnye sluchainye protsessy. Moskva, Fizmatgiz, 1963. 284 p. (Teoriia veroiatnostei i matematicheskaia statistika)

RANGE FINDING

Determination of geodetic data for long-range firing. A. Valentinov. Voen. vest. 41 no. 11:79-83 N '61.

Determining an azimuth in shortened periods of time. IU. Kashevarov. Voen. vest. 43 no. 7 85-87 Jl '63.

Reconnaissance of sound targets. B. Gorodetskii, E. Lagunov. Voen. vest. 43 no. 7 82-85 Jl '63.

Training of members of a computing and plotting section. I. Golubev. Voen. vest. 41 no. 11:78-79 N '61.

Training of range finder operators. A. IAkovlev. Voen vest. 41 no. 1.80-82 Ja '62.

RARE-EARTH CHLORIDES

Dichlorides of rare-earth elements. O. G. Polinchenok, G. I. Novikov. Zhur. ob. khim. 33 no. 8:2797 Ag '63.

RARE-EARTH CHLORIDES—THERMODYNAMIC PROPERTIES

Thermodynamic study of di- and trichlorides of rare-earth elements [with summary in English]. O. G. Polinchenok, G. I. Novikov. Vest. LGU 18 no. 16 133-134 '63.

RARE-EARTH COMPOUNDS

Extraction of rare-earth elements as ternary salicylate-pyridine complexes. N. S. Poluektov, L. A. Ovchar. Trudy Kom. anal. khim. 14:154-159 '63.

Structure of compounds of rare earth metals with antimony and bismuth of an AB composition. R. N. Kuz'min, S. V. Nikitina. Kristallografiia 8 no. 3:453-454 My-Je '63.

RARE EARTHS—ANALYSIS

Determination of the total content of rare earths in the presence of large amounts of other elements. G. IA. Gornyi, E. I. Gavrilova, and Ukr. khim. zhur. 29 no. 8 859-863 '63.

Effect of the composition of a mixture of esters with ketones and alcohols on the separation of certain rare-earth elements by paper chromatography [with summary in English]. M. I. Vdovenko. Zhur. anal. khim. 18 no. 9, 1067-1070 S '63.

RARE EARTHS—SPECTRA

Times of paramagnetic relaxation of rare-earth ions in liquid solutions. M. M. Zaripov. Zhur. strukt. khim. 4 no. 5, 671-681 S-O '63.

RASKOLNIKS see Old Believers

RASPUTIN, GRIGORII EFIMOVICH, 1872-1916

The Rasputin movement. V. Volzhanin. Nauka i rel. no. 2 40-43 F '63.

RAYON

Investigating the possibility of modifying the properties of fabrics made from rayon staple fibers by means of polyacrylonitrile grafting. R. M. Livshits and others. Tr. vses. nauch.-issl. inst. tekh. tekst. prom. no. 4 95-98 '63.

RAZDAN—CHEMICAL INDUSTRIES

Stone of all stones. R. Podol'nyi. Znan.-sila 38 no. 5 34-36 My '63.

REACTION RATE (CHEMISTRY) see Chemical reaction, Rate of

READING MACHINES

Model of a standard perceptron for scanning continuous images. L. B. Nisnevich. NTI no. 5 25-27 '63.

REALISM IN LITERATURE

Gorbunova, E. N. [Problems in the theory of realistic drama, the unity of dramatic action and character] Voprosy teorii realisticheskoi dramy, edinstve dramaticheskogo deistviia i kharaktera. Moskva, Sovetskii pisatel', 1963. 506 p.

REARRANGEMENTS (CHEMISTRY)

Aminonitrile rearrangement and its use for preparative purposes. B. V. Ioffe, K. N. Zelenin. Zhur. ob. khim. 33 no. 10 3231-3238 O '63.

Propargyl rearrangement of a new type. B. V. Ioffe, Z. I. Sergeeva, D. D. TSitovich. Zhur. ob. khim. 33 no. 10 3448 O '63.

Pyrazoles. Part 38. Isopyrazole-pyrazole rearrangement. I. I. Grandberg and others. Zhur. ob. khim. 33 no. 8 2586-2597 Ag '63.

Synthesis and rearrangement of diethylpropargyl phosphate. A. N. Pudovik, I. M. Aladzheva, L. N. IAkovenko. Zhur. ob. khim. 33 no. 10 3443-3444 O '63.

RECEPTORS (NEUROLOGY)

Effect of temperature on the functional state of receptors in cold-blooded animals. O. P. Dobromyslova. Nauch. dokl. vys. shkoly, biol. nauki no. 4 49-53 '63.

Representation of visual, auditory and somatosensory analyzers in the telencephalon of the pigeon. V. I. Gusel'nikov, Do Kong khun', V. D. Il'ichev. Nauch. dokl. vys. shkoly, biol. nauki no. 4 54-61 '63.

RECIPROCATING PUMPS

Piston pump for surface wells. M. Cheremis. Tekh. v sel'khoz. 23 no. 6 74-75 Je '63.

RECLAMATION OF LAND

"Construction of land reclaiming systems. Regulations for the construction work, production and acceptance of completed work." Biul. stroi. tekh. 20 no. 8 12-13 Ag '63.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. 3. Sec. I. ch. 3. [Construction of land improvement systems, regulations for construction and acceptance of work] Sooruzheniia meliorativnykh sistem, pravila organizatsii stroitel'stva proizvodstva rabot i priemki v ekspluatatsiiu (SNiP III I 3-62). 1963. 18 p.

Studies on the recultivation of lands pitted with quarries. V. E. Korenevskaia, L. S. Kaplunova, D. G. Zviagintsev. Nauch. dokl. vys. shkoly, biol. nauki no. 4 192-195 '63.

RECORDING AND REGISTRATION

Possibility of setting up a unified recording system for various quantities. IU. D. Karpinskii. Geomag. i aer. 3 no. 4 737-743 Jl-Ag '63.

RECREATION

[What are you doing this evening? How the Soviet man rests] Chto ty delaesh segodnia vecherom? Kak otdykhaet sovetskii chelovek. [n. p.] 1962. 15 p. [MICROFILM]

RECURSIVE FUNCTIONS

Group of nonsingular matrices over a finite field, and recurrent sequences. V. I. Nechaev. Dokl. AN SSSR 152 no. 2 275-277 S '63.

RED BARTSIA

Why did meadow grasses disappear? A. A. Pleshakov. Priroda 52 no. 9 99 '63.

RED SEA—OCEANOGRAPHIC RESEARCH

First cruise of the research ship "IU. M. Shokal'skii" and its scientific results. A. N. Nevrdin. Okeanologiia 1 no. 3 543-549 '61.

REDUCTION, CHEMICAL

Investigation of high-temperature reduction of carbon dioxide in a pulverized coke flow [with summary in English]. I. S. Revzin, L. N. Khitrin. Inzh.-fiz. zhur. 6 no. 10 76-82 O '63.

Reduction of aliphatic nitriles under conditions of Stephen reaction. E. N. Zil'berman, P. S. Pyrialova. Zhur. ob. khim. 33 no. 10 3120-3125 O '63.

Spectral study of the photoreduction of tetraphenylporphine. A. N. Sidorov, V. G. Vorob'ev, A. N. Terenin. Dokl. AN SSSR 152 no. 4 919-922 O '63.

REDUCTION, ELECTROLYTIC

Determination of the number of electrons during indium reduction on a mercury electrode in citric acid solutions. I. A. Sheka, G. V. Lavrova. Ukr. khim. zhur. 29 no. 8 819-824 '63.

REED (BOTANY) see subdivision under Amu Darya Delta

REED PRODUCTS

Chopping machines for reed. A. P. Potolov. Bum. prom. 38 no. 9 29 S '63.

REFLECTION (OPTICS)

Prishivalko, A. P. [Reflection of light from absorbing media] Otrazhenie sveta ot pogloshchaiushchikh sred. Minsk, Izd-vo Akad. nauk Belorusskoi SSR, 1963. 429 p.

REFLEXES

Basic concepts of the materialistic teaching on cerebral activity. L. G. Voronin. Zhur. vys. nerv. deiat. 13 no. 5 763-771 S-O '63.

Characteristics of cortico-subcortical mechanisms of interoceptive and exteroceptive reflexes. I. A. Bulygin. Zhur. vys. nerv. deiat. 13 no. 5 815-858 S-O '63.

Electrophysiological study of excitation foci in the central nervous system. V. S. Rusinov. Zhur. vys. nerv. deiat. 13 no. 5 798-815 S-O '63.

I. M. Sechenov's "Brain reflexes" and present-day psychology. B. G. Ananiev. Zhur. vys. nerv. deiat. 13 no. 5 772-780 S-O '63.

Orienting reflex as a cybernetic system. E. N. Sokolov. Zhur. vys. nerv. deiat. 13 no. 5, 816-830 S-O '63.

Pupillary component of the orientation reflex in chronic alcoholism [with summary in English]. V. A. Smirnov, A. R. Shakhnovich. Trudy Gos. nauch.-issl. inst. psikh. 38, 196-202 '63.

Sechenov's theory on reflex space perception and several ways of its modern development [with summary in English]. E. Sh. Airapet'iants, A. S. Batuev. Zhur. vys. nerv. deiat. 13 no. 5 831-844 S-O '63.

REFORESTATION see subdivision under Perm Province

REFORMATION

Rehabilitation. M. Mironov. Sem'ia i shkola 18 no. 10 22-23, 38-39 O '63.

REFRACTION, ASTRONOMICAL

Possible influence of lateral refraction on the results of observations [with summary in English]. P. P. Loginov. Astron. zhur. 40 no. 5, 944-949 S-O '63.

REFRACTOMETRY

Determining the chemical composition of metasilicates by the comparative dispersion method of the double refraction. T. IA. Malysheva, E. A. Kuznetsov. Izv. AN SSSR, Met. i gor. delo no. 5, 67-72 S-O '63.

Refractometric method of determining the dried defatted residue of milk [with summary in English]. G. P. Prostakishin, P. E. Shkodich. Vop. pit. 22 no. 1, 57-59 Ja-F '63.

REFRACTORIES INDUSTRY

Economic efficiency of introducing new equipment in the manufacture of refractories. M. A. Lur'e, IU. L. Kamenetskii, M. Kh. Volchenok. Ogneupory 28 no. 10 433 '63.

REFRACTORIES INDUSTRY—EQUIPMENT AND SUPPLIES

Automatic feeding of the batch into pressing molds. M. N. Babukhin, A. L. Limanskaia. Ogneupory 28 no. 10, 452-454 '63.

Automatic weighing of the batch. N. F. Shestopalov. Ogneupory 28 no. 10 454-455 '63.

Device for mold changing on friction presses. A. S. Vasiuk. Ogneupory 28 no. 10 479 '63.

Improving the design of foam filters. M. A. Rudakov. Ogneupory 28 no. 10, 443-444 '63.

Operating tunnel kilns on natural gas. M. E. Solov'eva, L. F. Solov'ev. Ogneupory 28 no. 10 445-449 '63.

REFRACTORIES INDUSTRY—QUALITY CONTROL

Using the sound method in the quality control of [illegible] for steel pouring ladles. P. A. [illegible], A. [illegible] Z. N. Ivanova. Ogneupory 28 no. 10 465 [illegible] '63.

REFRACTORY MATERIALS

(see also subdivision under Rumania, Uzbek [illegible])

Durability of lining of rotary kilns in 1962. [illegible] and others. TSement 29 no. 5 9-11 S-O '63.

Information and brief news. TSement 29 no. 4 [illegible] Jl-Ag '63.

Protecting the heels of tank furnace crowns. [illegible] Ogneupory 28 no. 10 464-465 '63.

Replacing steel, circular-flanged ingot molds [illegible] containing ones. S. A. Zil'bershtein and others. Ogneupory 28 no. 10 437-443 '63.

Stability of carbon linings in blast furnaces. I. S. [illegible] lemin. Stal' 23 no. 10 887-888 O '63.

Stability of linings in steel-smelting [illegible] Kaibicheva, P. IA. Terekhina. Ogneupory [illegible] 456-460 '63.

Toropov, N. A., and V. P. Barzakovskii. [High-temperature chemistry of silicate and other oxide systems] Vysokotemperaturnaia khimiia silikatnykh i drugikh okisnykh sistem. Moskva, Izd-vo Akad. nauk [illegible] 1963. 257 p.

White zircon applications in the metallurgical [illegible] I. M. Kiselev. Met. i gornorud. prom. no. [illegible] '63.

REFRACTORY MATERIALS—ELECTRIC PROPERTIES

Theory of the thermoelectromotive force of refractory [illegible] P. T. Orekhkin. Izv. vys. uchеb. zav., Chernaia [illegible] no. 8 164-168 '63.

REFRACTORY MATERIALS—TESTING

Classification of porosities in refractory materials. K. K. Strelov, A. F. Beresnev. Ogneupory 28 no. 11 460-471 '63.

Refractory materials for the production of zirconium. G. A. IAnushkin, S. F. Kogan. Ogneupory [illegible] 472-474 '63.

REFRIGERATED TRAILERS

Types of automobile and railroad refrigerator [illegible] meat. Miasn. ind. SSSR 34 no. 5 55-57 '63.

REFRIGERATION AND REFRIGERATING MACHINERY

(see also subdivision under Alma-Ata; Kuzbass)

Coordination conference on the manufacture of refrigerating machines. Khol. tekh. 40 no. 5 [illegible]

Designing the optimum stage control system for refrigerating plant. V. S. Uzhanskii. Khol. tekh. 40 no. 5, 18-22 S-O '63.

Efficiency of the regenerative cycle in ammonia refrigerating machines. V. M. Shavra. Khol. tekh. 40 no. 5 14-18 S-O '63.

Experimental study of a two-stage compressor [illegible] 1:1 ratio of the stage volumes. L. Z. Mel'tser and others. Khol. tekh. 40 no. 5 23-27 S-O '63.

Investigating the thermal system of refrigerating machines with a hermetic compressor. V. P. [illegible] Khol. tekh. 40 no. 5, 7-14 S-O '63.

Readers' conference on the Encyclopedia Handbook "Refrigerating Engineering." Khol. tekh. 40 [illegible] 63 S-O '63.

Transportation of refrigerated meat in [illegible] IA. Kulik. Miasn. ind. SSSR 34 no. 5 28 '63.

REFRIGERATION AND REFRIGERATING MACHINERY MAINTENANCE AND REPAIR

Use of epoxy resins in condenser repairing. V. [illegible] cherov. Khol. tekh. 40 no. 5, 55 S-O '63.

REFRIGERATION AND REFRIGERATING MACHINERY SAFETY MEASURES

Onishchenko, N. P. [Safety measures in ammonia refrigeration plants] Tekhnika bezopasnosti pri ekspluatatsii kholodil'nykh ustanovkakh, prakticheskoe rukovodstvo dlia mashinistov. Moskva, Gosenergoizdat, 1963. 101 p.

REFRIGERATOR CARS

Modernization of isothermal cars. G. I. Gradel' [illegible] dor. transp. 45 no. 10, 48-51 O '63.

Refrigerate fruit freight. P. Korobko. Nar. [illegible] 5 no. 10, 74 O '63.

Types of automobile and railroad refrigerator [illegible] meat. Miasn. ind. SSSR 34 no. 5, 55-57 '63.

What hampers the serial production of isothermal [illegible] with mechanical refrigeration. Zhel. dor. [illegible] no. 10, 96 O '63.

REFRIGERATOR SHIPS

Calculating solar radiation in the design of refrigerator ships. IU. F. Nesterov. Trudy LIVT [illegible]

REFRIGERATORS

"Snowflake," a counter and show case. P. [illegible] Sov. torg. 36 no. 8, 51-52 Ag '63.

REFRIGERATORS—BIBLIOGRAPHY see Bibliography—Refrigerators

REFUSE AND REFUSE DISPOSAL

It's time to put an end to dumping! IU Kvitogorov Zhil.-kom. khoz. 11 no. 12 23-24 D '61

Mechanization of the removal of rubbish from construction... B. Nalbandov. Zhil.-kom. khoz. 11 no. 12 15-16 D '61.

REGENERATION (BIOLOGY)

Electron microscope observations on the process of collagenogenesis during the regeneration of tubular bones [with summary in English] L. N. Mkhitarova Izv. AN SSSR Ser. biol. '63 no. 5 763-767 S-O '63

Transport of India ink particles into regeneration blastema in oligochaetes as related to the problem of neoblast migration V. R. Kramar. Nauch. dokl. vys. shkoly, biol. nauki no. 4 11-12 '63.

REGIONAL PLANNING see subdivision under United States

REHABILITATION—CONGRESSES

Second International Congress on Rehabilitation I. I. Shishlo Kaz. med. zhur. no. 2 89-91 Mr.-Ap '63

REINDEER—DISEASES

Prevention and treatment of disease in young animals. V. M. Smirnov and others. Veterinariia 40 no. 2, 47-61 F '63

REINFORCED CONCRETE

Flexural members from shale-ash cellular concrete with stressed reinforcement [with summary in English] A. Morozov. Izv. AN Est. SSR. Ser. fiz.-mat. i tekh. nauk 12 no. 3 344-348 '63.

REINFORCED CONCRETE CONSTRUCTION

Chikhot, IA. N. [Ribbed reinforced-concrete floors and roofs] Zhelezobetonnoe rebristoe perekrytie, uchebnoe posobie po kursovomu proektirovaniiu. Leningrad, Lenizdat, politekhn. in-t, 1962. 167 p.

Conductors for fixing the ends of reinforcements in collar beams and columns. Biul. stroi. tekh. 20 no. 8 25-29 Ag '63.

Equipment of sunk reinforced concrete tanks in seismic regions. V. A. Burchul. Stroi. truboprov. 8 no. 9 7-9 S '63.

Reinforced concrete single-stage trestles for process piping. Biul. stroi. tekh. 20 no. 8 14-16 Ag '63.

Utilization of reinforcing steel in reinforced concrete elements, used in the open-air at low temperatures. Biul. stroi. tekh. 20 no. 8 23-24 Ag '63.

REINFORCED CONCRETE CONSTRUCTION—COLD WEATHER CONDITIONS

Preparation for fall and winter construction work of compressor stations. M. L. Levuntin Stroi. truboprov. 8 no. 9 3 S '63.

REINFORCED CONCRETE CONSTRUCTION—TESTING

Testing and strengthening reinforced concrete beamless coverings. A. S. Gorlanov, I. A. Rusinov Sbor. nauch. trud. NIIMS no. 1, 5-18 '61

REINFORCED CONCRETE PRODUCTS

Leningrad. Vsesoiuznyi nauchno-issledovatel'skii institut po mashinam dlia promyshlennosti stroitel'nykh materialov [Reports on the technical level of the manufacture of reinforced-concrete products] Sbornik dokladov ob urovne tekhniki proizvodstva zhelezobetonnykh izdelii. Informatsionnyi material. Leningrad, Otdel'nkhin informatsii
No. 3. 1959. 81 p
[MICROFILM]

REINFORCEMENT IN CONCRETE see Concrete reinforcement

RELATIVITY (PHYSICS)

Curved galaxies and an experimental test of the general theory of relativity [with summary in English] IU. G. Ilinov. Astron. zhur. 40 no. 5 874-881 S-O '63.

System of equations describing a viscous fluid in the special theory of relativity [with summary in English]. N. B. Maslova. Vest. LGU 18 no. 19 92-111 '63.

Two approaches to the covariant description of fields of elementary particles. A. P. Levashov, O. S. Ivanitskaia. Dokl. AN BSSR 7 no. 4 244-246 Ap '63.

RELIGION

A chrestomathy on atheism. B. Markianov. Nauka i rel. 4 no. 8 89-91 Ag '63.

Facts are revealing Nauka i rel. no. 2 37 F '62

Religion and church abroad. Nauka i rel. 4 no. 8 44-45 Ag '63.

Religion and church abroad Nauka i rel. no. 2 49 F '62

A sign of the decline of faith I. Pirogov Nauka i rel. no. 2 51-51 F '62

RELIGION—BIBLIOGRAPHY see Bibliography—Religion

RELIGION—CONTROVERSIAL LITERATURE

Formation of bourgeois ideology. R. M. Inglezi. Vop. ist. 38 no. 10 191-195 O '63.

RELIGION AND POETRY

If you look for God you won't find anything V. Lebin. Nauka i rel. no. 2 44-49 F '62

RELIGION AND SCIENCE

The anatomy of creation V. Kondrakov. Nauka i rel. 4 no. 8 20-22 Ag '63.

The light of knowledge and the "light" of faith M. Semenov. Nauka i rel. no. 2 91-92 F '62

Methodological advice on the subject "Scientific and religious ideology." N. Shilintsev, N. Pomortsev. Komm. Mold. 8 no. 8 52-57 Ag '63.

A present-day theologian and the problem of teleology. I. Moiseev Nauka i rel. 4 no. 8 16-19 Ag '63.

Questions and answers Nauka i rel. no. 2 95 F '62

Scientific and religious ideology. F. Kapluncnko, T. Malinovskii. Komm. Mold. 8 no. 10 60-71 O '63.

Underrated position S. Rukhov Nauka i rel. no. 2 17-18 F '62

REMOTE CONTROL

Contactless TMT-1 and TST-1 remote control and signaling devices. N. N. Lab'in, R. A. Baranov Elek. sta. 34 no. 8 58-60 Ag '63.

Device for the adjustment of remote control systems. B. N. Zagranovskii, V. F. Filatov. Elek. i teplotiaga 7 no. 10 20 O '63.

Kalkov, F. A. [Theoretical principles of remote control Teleupravlenie, osnovy teorii. Kiev, Gostekhizdat USSR, 1963. 231 p

Protection of the actuating code element. B. I. Sovetov, L. v. vys. uchcb. zav., i prib. 6 no. 5 141-145 '63.

Semenov, V. S. [Design, installation, and operation of remote control systems in petroleum production] Proektirovanie, montazh i ekspluatatsiia telemekhanicheskikh sistem v neftedobyche Kuibyshev, Kuibyshevskoe knizhnoe izd-vo, 1963 151 p

Systems of distance-type and remote control of the operation of mine apparatus. V. M. Popov, Gor. zhur. no. 10 46-50 O '63.

Telemechanical apparatus for deep pumping wells and oil-gathering stations. L. N. Gavrilliuk. Izv. vys. ucheb. zav., neft' i gaz 5 no. 1, 83-86 '62.

Using the TZB make cable. Biul. stroi. tekh. 20 no. 8 29 Ag '63

REMOTE CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur. Avtom., telem. i vych. tekh. nos. 10-11 O-N '63.

RENIN

Renin and the juxtaglomerular apparatus in experimental nephritis A. M. Vikhert, IU. A. Serebrovskaia, IU. G. Tunikov Arkh. pat. no. 2 17-24 '63

RENT

(see also subdivision under Tuscany)

New books on the differential land rent of collective farms S. Cheremushkin. Polit. samoobr. 7 no. 8 132-136 S '63

REPATRIATION see subdivision under Kirsman' District

REPIN, IL'IA EFIMOVICH, 1844-1930

Presents from Repin. M. Faktorovych. Ukraina no. 13 27-28 Je '61.

REPRESENTATIVE GOVERNMENT AND REPRESENTATION

"Parliaments of bourgeois states" by B. S. Krylov Reviewed by N. A. Sidorov. Sov. gos. i pravo 33 no. 10 163-165 O '63.

REPRODUCTION

Nitrogenous substances of the sperm and reproductive organs in bulls and cocks. A. P. Sadokova. Trudy VIZH 21 303-311 '62.

RESEARCH

(see also subdivision under Novosibirsk, United States)

Akademiia nauk SSSR [Development of Soviet science] Razvitie sovetskoi nauki. Moskva, 1961. 15 p. (Vystavka dostizhenii narodnogo khoziaistva SSSR)

Collective research and dissertation. B. A. Denisov, I. IA. Diner. Vest. vys. shkoly 21 no. 10 36-38 O '63.

RESEARCH, INDUSTRIAL

Apply the achievements of science and technology in production. V. I. Popkov. Shvein. prom. no. 3 16-19 Je-Jl [i.e. My-Je] '61.

Let's welcome the 22d Congress of the CPSU with suitable achievements, work of the 4th Plenum of the Central Administration of the Scientific and Technical Society of the Light Industry. Shvein. prom. no. 3 34-35 Je-Jl [i.e. My-Je] '61.

RESERPINE

Effect of reserpine on the course of nephritis and on renal function during the disease. T. V. Bugoslavskaia, G. M. Prikhod'ko, M. I. Manuilova. Kaz. med. zhur. no. 1 20-22 Ja-F '61.

Effectiveness of the treatment of hypertension with reserpine combined with other remedies in a balneological sanatorium. V. N. Kochnev. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 4 311-313 Jl-Ag '62.

RESERVOIRS

Concerning the publication "Materials on the observations of lakes and reservoirs." V. A. Veinert. Meteor. i gidrol. no. 11 56-57 N '63.

RESIN ACIDS

Quantitative analysis of resin acids [with summary in English] I. I. Bardyshev, Kh. A. Cherches, L. A. Meerson Zhur. anal. khim. 18 no. 7 803-809 Jl '63

RESINS, SYNTHETIC

Urea-formaldehyde resins with a minimal content of free formaldehyde. R. Z. Temkina Der. prom. 12 no. 8 10-12 Ag '63

RESINS, SYNTHETIC—TOXICOLOGY,

Studying the toxicity of some resins V. A. Zaberzhinskaia Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9 112-116 '61.

RESORCINOL

Photometric determination of gallium in the presence of oxalate ions, by means of 1-(2-pyridylazo)-resorcinol P. P. TSintsevich, V. M. Ivanov, V. A. TSibel' Vest. Mosk. un., Ser. 2 Khim. 18 no. 3 54-56 S-O '63

RESPIRATION

Changes in some indices of external respiration under the influence of aminazine and a neuroplegic mixture in pulmonary tuberculosis S. S. Batyinskii Kaz. med. zhur. no. 4 28-33 Mr.-Ap '63.

Clinical significance of the study of the function of external respiration in surgery on the pleura V. M. Sergeev Zdravookhranenie 6 no. 3 24-27 My-Je '63

Cross-correlation analysis of physiological functions. K. P. Buteiko, D. V. Demin. Izv. SO AN SSSR no. 3, Ser. biol.-med. nauk no. 2 127-129 '63.

Effect of chloroorganic insecticides on the processes of tissue respiration in the imagoes and larvae of houseflies and in the caterpillars of the lackey moth. V. M. Makarevich and others. Dokl. AN SSSR 152 no. 2 475-477 S '63.

Effect of hyperventilation and breath holding on the bioelectric activity of the brain. M. P. Ivanova. Teor. i prak. fiz. kul't. 26 no. 1 19-22 Ja '63.

Relation between bioluminescence and respiration in bacteria. R. I. Chumakova. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2 62-67 '63.

Respiration in patients following complete excision of the larynx due to cancer. L. I. Tsukerberg Trudy mol. nauch. soit., MONIKI no. 1 61-64 '59

Respiratory function of the larynx. L. I. Tsukerberg. Trudy mol. nauch. soit., MONIKI no. 1 58-60 '59

Some indices of external respiration in rheumatism in children V. V. Gutsul Zdravookhranenie 6 no. 3 18-24 My-Je '63

RESPIRATORY ORGANS—DISEASES

Clinical aspects and treatment of respiratory paralysis in diseases of the nervous system of different etiology L. M. Popova Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 65-66 '61

RESTAURANT MANAGEMENT

Bikke, R. P., and A. I. Vorob'ev. [Decoration and serving of food] Oformlenie i otpusk bliud. Moskva, Gostorgizdat, 1963 135 p. (Biblioteka povara)

RESTAURANTS, LUNCHROOMS, ETC

Useful conversation. Z. Kuprianova. Sov. potreb. koop. 7 no. 8 11-12 Ag '63.

RESTAURANTS, LUNCHROOMS, ETC.—AUDITING AND INSPECTION

The all-Union inspection of public dining rooms is in progress. Z. Shkabel'nikova. Sov. potreb. koop. 7 no. 11 12-15 N '63.

RESTAURANTS, LUNCHROOMS, ETC.—ELECTRIC EQUIPMENT

Chukaev, D. S. [Electrical equipment of public eating establishments] Elektricheskoe oborudovanie predpriatii obshchestvennogo pitaniia. Moskva, Gostorgizdat Pt. 1. 1963. 242 p.

RETAIL TRADE

(see also subdivision under Armenia, Krasnoarmeyskiy District, Chelyabinsk Province, Voronezh Province; Zimovniki District)

Planning should be well-founded. K. Makarova, M. Mesengiser. Sov. torg. 36 no. 8 42 Ag '63.

RETAIL TRADE—ACCOUNTING see subdivision under Lithuania

RETAIL TRADE—AUDITING AND INSPECTION see subdivision under Orel

RETAIL TRADE—STATISTICS

"Seasonal factors in the retail trade and consumption" edited by N. K. Druzhinin. Reviewed by L. Fridlova, V. Baburin. Vest. stat. no. 10 73-75 '63.

RETINA—SURGERY

Experimental study of the mechanism of the formation of a chorioretinal commissure in connection with surgical treatment of retinal detachment. IU. D. Babanina. Uch. zap. UEIGB 5 162-171 '62.

RETIRED MILITARY PERSONNEL

Enthusiasts K Kraiko Voen vest. 41 no 1 67-69 Ja '62

REUSS, FEDOR FEDOROVICH, 1778-1852

Grigor'ev, IU V [F F Reuss, 1778-1852, an account of his life and works] F. F Reiss, 1778-1852, ocherk zhizni i deiatel'nosti Moskva, Izd-vo Vses knizhnoi palaty, 1963 104 p (Deiateli knigi)

REVO, MIKHAIL VASIL'EVICH, 1889-

Mikhail Vasil'evich Revo on his 70th birthday. V I Rotov Veterinariia 37 no 2 90 F '60

REVOLUTIONISTS

Letters of the party's glory and immortality. Vop arkh. 8 no.2 42-63 Ap-Je '63.

REWARDS (PRIZES, ETC.)

Award of the I I Mechnikov Gold Medal Izv. AN SSSR Ser. biol 28 no 5 782 S O '63

Award of the I I Mechnikov Prize. Izv AN SSSR, Ser. biol 28 no 5 781 S O '63.

Diplomas and medals of the exhibition Sov.potreb. koop 7 no, 11 28-31 N '63

REZINA DISTRICT—SCHOOL SUPERINTENDENTS AND PRINCIPALS

Sad results of an unprincipled attitude. G. Balan. Komm Mold. 8 no.8,20-23 Ag '63.

RHABDOPISSITE

Chemical raw materials from rhabdopissite. N. I. Oranskii Sbor. nauch. rab DVNIIS no. 1:297-301 '61

RHENIUM ISOTOPES—DECAY

Spectrum of internal conversion electrons emitted in Re^{184} decay B. S. Dzhelepov and others. Izv AN SSSR ser. fiz 27 no. 11 1394-1401 N '63

Studying the decay scheme of Re^{184} by the method of e-e-coincidences, B S Dzhelepov, P A Tishkin, I A Shishelov. Izv. AN SSSR Ser. fiz. 27 no. 10 1281-1284 O '63.

RHENIUM-MOLYBDENUM ALLOYS see Molybdenum-rhenium alloys

RHEOLOGY

Rheology of aqueous cement suspensions, E. F Balmyshova, N. V Mikhailov. Dokl. AN SSSR 152 no 2:389-391 S '63.

RHEUMATIC FEVER

Effect of hydrosulfide baths of the Goryachy Klyuch Health Resort on the cardiovascular system of children suffering from rheumatism, K I Bzhasso Vop. kur, fizioter i lech. fiz. kult. 27 no 4 313-316 Jl-Ag '62.

Nesterov, A. I [Rheumatic fever] Revmatizm Moskva, Medgiz, 1963 40 p (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

RHEUMATIC HEART DISEASE

Case of an intermittent form of complete atrioventricular block in rheumatic endomyocarditis, abstract, I P. Arlevskii. Kaz. med. zhur no. 1:106-107 Ja-F '61.

Detection of ascorbic acid in the cells of rheumatic granuloma R A Simakova Nauch inform Otd nauch med inform AMN SSSR no 1 10 '61

Some indices of external respiration in rheumatism in children V V Getseul Zdravookhranenie 6 no. 3 18-24 My-Je '63.

RHINELAND—LAND TENURE

Social significance of the new forms of land tenure in the rural regions of the Rhineland in the 12th and 13th centuries [with summary in French], IU. L. Bessmertnyi. Sred veka no 24 87-117 '63

Interrelations between the nodule bacteria of alfalfa and micro-organisms in the rhizosphere of perennial grasses A. Klucharc. Trudy Inst. mikrobiol. no. 11 202-210 '61.

Participation of rhizosphere micro-organisms in the nutrition and development of agricultural plants grown in deep Chernozem soil, V. V Obraztsova, M. B. Petrenko, M S. Klishchevskaia Trudy Inst mikrobiol. no. 11 81-90 '61

Rhizosphere microflora in the ontogeny of agricultural plants V. N. Firsanova, Trudy Inst. mikrobiol. no. 11 63-70 '61

Rhizosphere microflora of woody plants growing in Chernozem soils of the dry steppe. E. V. Runov, M. G. Lukhtova Trudy Inst mikrobiol. no. 11 150-161 '61.

RHODODENDRON see subdivision under Teberda Preserve

RIABUSHKIN, ANDREI PETROVICH, 1861-1904

A. Riabushkin's work on composition. B. Kuznetsov. Iskusstvo 26 no. 6,68-70 '63.

RIBOFLAVIN

Riboflavin and 17-ketosteroid metabolism in patients with seborrhea [with summary in English]. I. B Veinerov, F. A Kruchakova, M G Podgaetskaia Vop pit. 22 no 1 28-32 Ja-F '63.

RICE
(see also subdivision under Kzyl-Orda Province)

Rice in salinized soils. A. P. Dzhulai. Zemledelie 25 no. 10 24-28 O '63.

RICE—FERTILIZERS AND MANURES see subdivision under Tajikistan

RICKETS

Morphological changes in the tubular bones in rats in relation to the composition of their food ration in experimental prophylaxis and treatment of rickets. I N. Zakharova, N. V. Pavlovicheva. Trudy mol. nauch. sotr. MONIKI no. 1,110-119 '59.

Roentgenological changes in the bones during the treatment of rickets in children based on adequate feeding E. A. Perkovich Trudy mol nauch sotr. MONIKI no. 1:107-109 '59.

RIEMANN SURFACES

Solvability of Riemann's homogeneous problem on closed Riemann surfaces. R. N. Abdulaev. Dokl. AN SSSR 152 no 6 1279-1281 O '63.

RIFLE PRACTICE

Firing from a rifle with an optical sight. V. Chulitskii. Voen. znan. 39 no. 10 29-30 O '63.

RIFLE RANGES

Electrified training ground F. Goncharenko. Voen. vest. 41 no. 11,117-119 N '61.

RIGA—CARGO HANDLING

Advanced methods for the loading and unloading of ships and cars in the Riga harbor. N. Zhikharev. Mor. flot 23 no. 8:10-12 Ag '63

RIGA—HOUSING

Agenskalns pines. V. Rukovich, V. Moev. Sov. Soiuz no. 9:14-16 '63.

RIGA—SERVANTS

"Rigas Ekspresis" to the rescue,... E. Petrov. Zhil. kom. khoz. 11 no. 12:25-26 D '61.

RIGHT OF PROPERTY
(see also subdivision under Asia, Central; Near East)

Right of private property in the "Basic Principles of the Civil Law of the U. S. S. R and the Union Republics," P. E Orlovskii Vest. Mosk. un. Ser. 10: Pravo 18 no. 4 12-19 O-D '63.

RING COMPOUNDS see Cyclic compounds

...LGEBRA)

...roups and the duality principle. G. I. Kats. Trudy ...mat. ob-va 12,259-301 '63.

... see subdivision under Georgia; Kirghizistan; ...lin; Soviet Far East

...-REGULATION see subdivision under Omsk ...ice

...AND RIVETING
...the riveting of cardan head disks for DT-54 and ...ractors, F. D. Mishchenko. Kuz. -shtam. proizv. ...9,46-47 O '63.

...AND RIVETING—STANDARDS
E. V. Surkov, V. I. Churashov. Standartizatsiia ...10,38-39 O '63.

FISH) see subdivision under Azov, Sea of

...NSTRUCTION
...so subdivision under Georgia)
...ighway Ministerium of the R. S. F. S. R. M. Bra... Avt. dor. 26 no. 10:18 O '63.

Brigade of highly efficient labor. I. O... ...6 no. 10:17 O '63.

Construction and operation of automobile road... Rog Basin open-cut mines. M M Shishkov... Met. i gornorud. prom. no. 5 61-63 S-O '63.

Coordinate the work of road constructors a... I. M Slivak. Avt. dor. 26 no. 10:1... '63.

Highway news. Avt. dor. 26 no. 10:3 of conv... dor. 26 no. 10:18 O '63.

In the Central Road Construction Trust. P. Ar... dor. 26 no. 10:18 O '63.

A road one year long. V Shcherbakov. Tekh. ... no. 8 19-21 '63.

Simple method for constructing banks in mar... I. I. Evgenov, A. L. Okovityi. Avt. dor. ... 15 O '63.

ROAD CONSTRUCTION—COLD WEATHER CONSTRUCTION
(see also subdivision under Moscow Province)

Construction of a sand bed in winter. V. A. Chil... dor. 26 no. 10:8-9 O '63.

Important potentiality in road construction. ... Semichev, G. G. Isovalev. Avt. dor. ... '63.

Let us get ready for winter work. Avt. dor. ... 1 O '63.

Road construction on perennial frozen ground. M. V... kin. Avt. dor. 26 no. 10:10-12 O '63.

Road construction work has been carried out in ... G. S. Karataev, B. L. Bellaev. Avt. dor. ... O '63.

Stability of banks constructed in winter. ... Avt. dor. 26 no. 10:6-7 O '63.

ROAD MACHINERY

Modernized unit for road construction. A. F. Mo... Les. prom. 40 no 6 31 Je '62.

Suggested by efficiency promoters. M. G. Sulta... Mikhailov Transp. stroi. 12 no. 9 34-41 S '62

ROAD MACHINERY—TRANSPORTATION

Transportation of road rollers. N. L. Rudas... stroi. 20 no. 8:16-17 Ag '63.

ROADS see subdivision under Canada; Moscow ...

ROADS—ABSTRACTS

[Highways] Ref. zhur.: Avt. dor. no. 11 N '63

ROADS—FROST DAMAGE

Hypothesis of frost deformations on roads. G. ... skii. Avt. dor. 26 no. 10:15-16 O '63.

ROBBER FLIES
(see also subdivision under Caucasus)

Some problems in the evolution of robber flies. F. ... Ler. Trudy Kaz. NIIZR 7:347-362 '62.

ROBERTSON, ARCHIBALD, 1886-1961

In memory of Archibald Robertson (1886-1961) ... no 2 96 F '62

ROBOTS see Automata

ROCK BOLTS see Mine roof bolting

ROCK PRESSURE

Ground pressure on the supporting wall depe... displacements and the rigidity of the foundation. ... Klein. Osn., fund. i mekh. grun. 5 no. 4 1-4 '63.

Moscow. Institut gornogo dela imeni A. A. Skochinskogo
[Rock pressure and the lining of vertical shafts] G... davlenie i krep' vertikal'nykh stvolov. Pod red. ... Sheviakova. Moskva, Gosgortekhizdat, 1963. 231 p.

Results of ground pressure measurements on ... of sewage conduits. E. S. Prigozhin, V. N. Da... Osn., fund. i mekh. grun. 5 no. 4:16-18 '63.

Study of the absorption of elastic waves by rock ... under high confined pressures. A. I. Lavykin, ... Inst. fiz. Zem. no. 23:50-54 '62.

ROCK PRESSURE—MEASUREMENT

Method of calculating rock pressure in individual ... shaped mine workings. L. N. Nasonov. Ugol' ... no. 9,12-16 S '63.

ROCK PRODUCTS

Wastes of rock products are a powerful source for ... creasing the production of aggregates. A. I. Dain. Stroi. mat. 9 no. 10:10-11 O '63.

ROCK SALT

Estimating the stability of leaching chambers in ... of rock salt. M. A. Dolgikh, V. V. Matvienko, R. ... Khachaturfian. Trudy VNIIST no. 12:74-111 '62.

ROCKET ENGINES—ABSTRACTS

[Aircraft and rocket engines] Ref. zhur.: Av. i raket. dvig. no. 11 N '63.

ROCKET LAUNCHERS (ORDNANCE)

Determination of corrections in a surface wind. F. Ya. Babushnev. Voen. vest. 41 no. 1:75-76 Ja '62.

ROCKETRY—ABSTRACTS
[Rocket building] Ref. zhur., Raketostr. no. 11 N '63.

ROCKETS (ORDNANCE)
(see also subdivision under Australia, Japan)
Domestic rocket engineering. B. Shipov. Voen. znan. 39 no. 10:19-20 O '63.
Dupuy, D. A., comp. [Jet-propulsion weapons of capitalist countries] Reaktivnoe oruzhie kapitalisticheskikh stran. 2. izd., perer. i dop. Moskva, Voenizdat, 1959. 311 p. (CStmoR)

ROCKETS (ORDNANCE)—RADIO CONTROL
Radio control systems of antiaircraft rockets. V. Myshkovskii. Voen. vest. 43 no. 7:92-95 Jl '63.

ROCKS
New method for determining the resistance of rocks to shear. M. P. Volarovich, I. S. Tomashevskaia. Trudy Inst. fiz. Zem. no. 23:43-49 '62.
X-ray investigations of rock samples at high pressures and temperatures. M. P. Volarovich, A. T. Bondarenko, K. F. Gusev. Trudy Inst. fiz. Zem. no. 23:55-59 '62.

ROCKS—ANALYSIS
(see also subdivision under Paramushir Island; White Russia)
Determination of bivalent and trivalent iron in difficultly decomposed rocks (with summary in English). Z. M. Mikhailova, R. V. Mirskii, A. A. Ariushkina. Zhur. anal. khim. 18 no. 7:856-858 Jl '63.

ROCKS—DENSITY
(see also subdivision under Grushevka Valley; Mius Valley)
Arisybashev, V. A. [Concise manual for determining the density of rocks and ores by the method of gamma ray attenuation] Kratkoe rukovodstvo po opredeleniiu plotnosti porod i rud metodom oslableniia gamma-luchei. Moskva, Gosgeoltekhizdat, 1963. 57 p.

ROCKS—ELASTIC PROPERTIES
Study of elastic and strength properties of rocks by the fold method under high confined pressure. Z. I. Stakhovskaia. Trudy Inst. fiz. Zem. no. 23:25-35 '62.
Study of the elastic properties of rocks by the statistic and dynamic methods under high confined pressures. M. P. Volarovich, Fang wei-Ch'ing. Trudy Inst. fiz. Zem. no. 23:19-24 '62.
Study of the elastic properties of rocks under high confined pressures. M. P. Volarovich. Trudy Inst. fiz. Zem. no. 23:7-18 '62.
Study of the rigidity modulus and the strength of rock samples under high confined pressures by the torsion method. I. S. Tomashevskaia. Trudy Inst. fiz. Zem. no. 23:36-42 '62.

ROCKS—ELECTRIC PROPERTIES
Effect of pressure on the electric properties of rocks. M. P. Volarovich, A. T. Bondarenko, E. I. Parkhomenko. Trudy Inst. fiz. Zem. no. 23:80-90 '62.
Electric conductivity of rocks at high temperatures and one-sided pressure. E. I. Parkhomenko, A. T. Bondarenko. Trudy Inst. fiz. Zem. no. 23:101-106 '62.
Use of ultrasonics in studying the electric properties of rocks. E. I. Parkhomenko. Trudy Inst. fiz. Zem. no. 23:91-96 '62.

ROCKS—MAGNETIC PROPERTIES see subdivision under Queen Mary Coast, Antarctica; Wilhelm II Coast, Antarctica

ROCKS—PERMEABILITY
Reinforcing rocks with a solution of tars and improving additives. V. V. Davydov. Shakht. stroi. 7 no. 8:15-16 Ag '63.
Study of the fluid flow in fractured rocks in connection with their reservoir properties. E. S. Romm. Trudy VNIGRI no. 121:217-243 '58.

ROCKS—TESTING
Effect of the speed of stress application on the value of the temporary resistance of rocks to compression. V. I. Nikolin. Izv. AN SSSR, Met. i gor. delo no. 5:167-168 S-O '63.
More on compression diagrams of hard rocks. L. I. Baron, V. M. Kurbatov. Nauch. soob. IGD 18:114-120 '63.
Moscow. Institut gornogo dela imeni A. A. Skochinskogo. [Mechanical properties of rocks] Mekhanicheskie svoistva gornykh porod. Moskva, Izd-vo Akad. nauk SSSR, 1963. 169 p.

ROCKS—THERMAL PROPERTIES
Determination of thermophysical constants of rocks under operating conditions. V. A. Bogoiavlenskii. Nauch. trudy KHGI 11:3-15 '62.

ROCKS, CARBONATE
(see also subdivision under Bashkiria)
"Carbonate rocks for the production of building lime." Biul. stroi. tekh. 20 no. 8:18 Ag '63.

ROCKS, CRYSTALLINE AND METAMORPHIC
Formation and disintegration of orthite in metamorphic rocks. D. P. Serdiuchenko. Trudy IMGRE no. 11:3-14 '63.

ROCKS, IGNEOUS
(see also subdivision under Caucasus, Northern; Kola Peninsula, Kuznetsk Basin, Tuva A. S. S. R.)
Hydrothermal uranium mineralization associated with alkali intrusive complexes. T. V. Bilibina, V. I. Donaev, V. K. Fitov. Geol. rud. mestorozh. 5 no. 5:35-54 S-O '63.
Interdepartmental conference on "Ore potential of volcanic formations." V. N. Kotliar, S. F. Lugov. Geol. rud. mestorozh. 5 no. 5:100-102 S-O '63.

ROCKS, IGNEOUS—ANALYSIS see subdivision under Armenia

ROCKS, IGNEOUS—MAGNETIC PROPERTIES see subdivision under Siberian Platform

ROCKS, SEDIMENTARY
(see also subdivision under Badkhyz Preserve; Fergana, Gissar Range, Karelia, Mediterranean Sea, Russian Platform, Ural Mountains)
Facies and formation series and their relationship with island arcs. L. B. Rukhin. Uch. zap. LGU no. 310:32-51 '62.
Significance of L. B. Rukhin's research in the study of facies and formations. V. I. Popov. Uch. zap. LGU no. 310:22-26 '62.

ROCKS, SEDIMENTARY—CLASSIFICATION
(see also subdivision under Fergana, Gissar Range)
Basic principles in the classification of sedimentary rocks. L. V. Pustovalov. Uch. zap. LGU no. 310:81-110 '62.

RODENT BAITS AND REPELLENTS
Effectiveness of calcium and sodium cyanide mixture in controlling yellow susliks. A. K. Tolebaev. Trudy Kaz. NIIZR 7:452-456 '62.

RODENTIA—IDENTIFICATION
Topography of rodent molt and the possibility of its use as a taxonomic character. A. I. Kryl'tsov. Trudy Kaz. NIIZR 7:418-451 '62.

RODENTIA—PARASITES see Parasites—Rodentia

RODENTS AS CARRIERS OF DISEASE see subdivision under Shegarskiy District; Tomsk Province

RODIONOV, MIKHAIL SEMENOVICH, 1885-
Butorina, E. I. Mikhail Semenovich Rodionov. Moskva, Sovetskii khudozhnik, 1962. 118 p. illus., plates. (MH)

RODRIGUEZ, CARLOS SOSA, 1912-
People and events: Carlos Sosa Rodriguez. Nov. vrem. 21 no. 41:9 O '63.

ROLLAND, ROMAIN, 1866-1944
A. M. Gor'kii the critic and West European literature of the 20th century. G. B. Okun'. Uch. zap. Tash. teatr.-khud. inst. no. 5:271-290 '62.

ROLLING (METALWORK)
(see also subdivision under Begovat)
Analyzing some methods of the experimental determination of deformation resistance in cold rolling. V. N. Zhuchin, I. M. Pavlov. Izv. vys. ucheb. zav., mashinostr. no. 7:214-220 '63.
Ben', T. G., I. V. Zdornov, and I. S. Kagan. [Economical rolled sections] Ekonomichnye profili prokata. Moskva, Metallurgizdat, 1963. 163 p.
Calculating efficient reduction conditions for hot rolling mills. M. A. Zaikov, V. S. Tsalukov. Izv. vys. ucheb. zav., chern. met. 6 no. 8:107-114 '63.
Calculating specific pressure in rolling in grooves. V. A. Nikolaev. Izv. vys. ucheb. zav.; chern. met. 6 no. 8:102-106 '63.
Causes for the formation of unevennesses in railroad rails in the process of their manufacture. Iu. V. Gridina, L. V. Tsarapkin. Izv. vys. ucheb. zav.; chern. met. 6 no. 8:132-136 '63.
Curvature of the diagram of specific pressure distribution in the sticking area in metal rolling. A. A. Korolev. Izv. vys. ucheb. zav.; mashinostr. no. 8:219-225 '63.
Determining the durability of iron mill rolls. V. V. Klepanda. Met. i gornorud. prom. no. 4:23-27 Jl-Ag '63.
Direction of the flow rate of a metal in strip rolling. K. N. Shevchenko, I. A. Mamedov. Dokl. AN Azerb. SSR 18 no. 12:7-11 '62.
Effect of the temperature of the end of rolling on the mechanical properties of rail steel. A. A. Govorov and others. Izv. vys. ucheb. zav.; chern. met. 6 no. 8:137-140 '63.
Investigating applied stresses during rolling on rail and structural steel mills. V. A. Nikolaev and others. Stal' 23 no. 10:924-925 O '63.
Molding metals. I. Litvinenko. Tekh. mol. 31 no. 8:5-6 '63.
New developments in research. IUP. Dolgoker and others. Stal' 23 no. 10:928-929 O '63.
New method of selecting a rolling technology on continuous shape mills. V. V. Getmanets and others. Stal' 23 no. 10:921-923 O '63.
The optimum number of passes in rolling on reversing mills. N. I. Baimov. Izv. vys. ucheb. zav., chern. met. 6 no. 8:175-180 '63.
Pressure and flow of metal in rolling with grooved rolls. A. P. Chekmarev, V. M. Klimenko. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:98-102 '63.
Relationship between stresses and deformation in longitudinal metal rolling. M. L. Zaroshchinskii. Izv. vys. ucheb. zav.; mashinostr. no. 8:212-218 '63.
Role of the geometric factor of deformation in the development of torsion of a bloom section during rolling. M. I. Bolarshinov, N. F. Gritsuk. Izv. vys. ucheb. zav., chern. met. 6 no. 8:66-71 '63.
Spinning with wall thinning. K. D. Elin. Vest. mashinostr. 43 no. 10:55-58 O '63.
Springiness during shape rolling. M. I. Bolarshinov, A. A. Burykin. Izv. vys. ucheb. zav., chern. met. 6 no. 9:126-132 '63.
Using dimensional analysis for the determination of transverse deformation in rolling. B. S. Smirnov, A. K. Grigor'ev. Izv. AN SSSR. Met. i gor. delo no. 5:92-97 S-O '63.
Using the tangential feed method for groove rolling on the pedestals of spinning machines. I. A. Veselov. Izv. vys. ucheb. zav.; tekh. tekst. prom. no. 4:131-136 '63.
Utilizing energy conditions of plasticity in the theory of metalworking by pressure. IU. I. Sinel'nikov. Izv. vys. ucheb. zav., mashinostr. no. 8:226-235 '63.

ROLLING (METALWORK)—QUALITY CONTROL
Improving the quality characteristics of rolled products. N. A. Tereshchenko. Met. i gornorud. prom. no. 4:69-71 Jl-Ag '63.

ROLLING MILLS
(see also subdivision under Dnieper Economic region, Zhdanov)
Efficiency of the substitution of nonferrous metals in metal-rolling equipment. V. B. Bakhtinov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11:7-10 '63.
Increase in metal width and the corresponding speeds of horizontal and vertical rolls on universal blooming mills. I. IA. Tarnovskii and others. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:103-109 '63.
The 8/21 precision flatting mill. N. M. Fedorov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10:6-8 '63.
Using molded wooden plastics in friction units of rolling mills. I. A. Fomichev, A. N. Trofimovich, O. G. Pikhod'ko. Vest. mashinostr. 43 no. 10:40-43 O '63.

ROLLING MILLS—DESIGN AND CONSTRUCTION
Design of structures of hot rolling coiled sheet plants. I. A. Kas'ianenko. Prom. stroi. 41 no. 9:41-43 S '63.

ROLLING MILLS—EQUIPMENT AND SUPPLIES
Experimental investigation of disk shears. A. M. Saburov, E. V. Pal'mov. Izv. vys. ucheb. zav.; chern. met. 6 no. 8:181-184 '63.
New mills and devices for rolling nonferrous metals and alloys. V. V. Neminushchii. Met. i gornorud. prom. no. 4:78-84 Jl-Ag '63.

ROLLING MILLS—LUBRICATION
Using molybdenum disulfide to lubricate the equipment of rolling mills. G. Sh. Gerbil'skii, V. A. Markov. Stal' 23 no. 10:950-952 O '63.

ROLLS (IRON MILLS)
Designing the next to the last oval planishing groove for rolling round steel. S. G. Nekrasov. Izv. vys. ucheb. zav.; chern. met. 6 no. 8:115-119 '63.
Determining the durability of iron mill rolls. V. V. Klepanda. Met. i gornorud. prom. no. 4:23-27 Jl-Ag '63.
Effect of grinding conditions on the surface layer quality of rolls for cold rolling. A. S. Venzhega, M. IA. Belkin. Vest. mashinostr. 43 no. 10:68-70 O '63.
Elastic deformation of rolls on sheet mills. P. I. Polukhin, A. S. Kudriavtsev, N. G. Bets. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:110-113 '63.
Investigating the wear of working and backing rolls on continuous hot rolling sheet mill. A. P. Chekmarev and others. Met. i gornorud. prom. no. 5:23-28 S-O '63.
New methods of calculating roll durability on cold rolling mills. A. V. Tret'iakov, E. A. Garber. Stal' 23 no. 10:918-921 O '63.

ROLLS (IRON MILLS)—TESTING
Studying the decomposition of martensite by modeling. B. A. Brusilovskii. Fiz. met. i metalloved. 16 no. 3:361-365 S '63.

ROMAN ART see Art, Roman

ROMANOV, HOUSE OF

[By the grace of God , an album of photographs] Bozhiiu milostiu , al'bom fotografii [Paris] 1957 129 p. (chiefly illus.) (MH)

ROMANOVSKAYA (ROSTOV PROVINCE)—OLD-AGE HOMES

Labor organization in operation. I. Nosal'tsev. Sots. obesp. 24 no. 8 29-30 Ag '63.

ROME—HISTORY

A new comprehensive study on the history of governmental administration in ancient Rome. L. A. El'nitskii. Vest. drev. ist. no. 3 163-167 '63.

ROME—LAND TENURE

"Land tenure in the Italy of the Trajan epoch" [in Italian] by Vito Antonio Sirago. Reviewed by V. I. Kuzishchin. Vest. drev. ist. no. 3 177-183 '63.

ROME—POLITICS AND GOVERNMENT

Political parties in Rome. S. L. Utchenko. Vest. drev. ist. no. 3 82-94 '63.

ROME—SLAVERY

Polybius' information on slavery in the third and second centuries B. C. A. I. Pavlovskaia. Vest. drev. ist. no. 3 95-106 '63.

ROOFING

"Izol." Biul. stroi. tekh. 20 no. 8 18 Ag '63

Practicable possibilities of nonmetal roofing enterprises. D. D. Surmeli. Stroi. mat. 9 no. 10 7-9 O '63.

ROOFING—DESIGN AND CONSTRUCTION

Some technical and economic indicators of the assembly of three-dimensional roofs. R. A. Grebennik. Prom. stroi. 41 no. 9 33-38 S '63.

ROOFING, CONCRETE

Akademiia kommunal'nogo khoziaistva. Leningradskii nauchno-issledovatel'skii institut. [Album of prestressed reinforced-concrete roof constructions for the general repair of apartment houses] Al'bom predvaritel'no napriazhennykh zhelezobetonnykh konstruktsii krysh dlia kapital'nogo remonta zhilykh domov [Leningrad] 1962. 8, 58 p. diagrs.

ROOFING, TILE

Rigidity of prestressed cellular concrete tile roofing under lasting stress. IA. G. Sungatullin, V. I. Ponomareva. Prom. stroi. 41 no. 6 31-33 S '63.

ROOFS, SHELL

Leont'ev, N. N. Vasilii Zakharovich Vlasov. Moskva, Gosstroiizdat, 1963. 73 p.

ROOFS, SHELL—DESIGN AND CONSTRUCTION

Precast slanting shells. IU. V. Chinenkov. Prom. stroi. 41 no. 9 19-21 S '63.

ROOSEVELT, FRANKLIN DELANO, 1882-1945

Franklin D. Roosevelt's "New Deal" in the interpretation of an English periodical. N. V. Sivachev. Nov. i noveish. ist. no. 5 170-171 '63.

ROOSTERS

Methods of accelerated evaluation of the breeding qualities of roosters in the production of chicks for meat. V. A. Sergeev. Shor. rab. mol. uch. VNIIP no. 4 34-41 '62.

ROOT TUBERCLES

Active and inactive nodules of legumes. Z. G. Razumovskaia, Fan' IUn'-liu [Fan Yun-liu]. Trudy Inst. mikrobiol. no. 11 160-176 '61.

Relationships of various nodule bacteria strains of clover in the rhizosphere during the formation of nodules. A. Kainins. Trudy Inst. mikrobiol. no. 11 162-168 '61.

ROOTS (BOTANY)

Effect of fertilizers on the development of the root system in corn and its yield. M. H. Taranovskaia, R. O. Kachanova. Visynk sil'hosp. nauky 6 no. 4 43-47 Ap '63.

Growth and death of pine, birch, and spruce roots under periodical flooding by soil water. A. IA. Orlov. Soob. Lab. lesoved. AN SSSR no. 6 62-82 '62.

Root excretions of fruit and berry plants. E. D. Zelenskaia. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 40 53-67 '62.

Snow and the wintering of roots of fruit and berry crops. G. V. Vasil'chenko. Izv. SO AN SSSR no. 8. Ser. biol.-med. nauk no. 2 116-118 '63.

ROOTS (BOTANY)—ANATOMY

Study of the tuberous root of garden anemone. I. D. Medzmariashvili. Trudy Sukh. bot. sada no. 14 85-90 '62.

ROSE BENGAL

Examination of the functional state of the liver with the aid of radioactive Rose Bengal [with summary in English]. K. S. Martirosov, V. P. Tkachev. Med. rad. 8 no. 2 3-5 F '63.

ROSENBUSHCHITE see subdivision under Lovozero Tundras

ROSIN ACIDS see Resin acids

ROSSIN, SOLOMON ABRAMOVICH, 1902-

Solomon Abramovich Rossin, on his 60th birthday and 35th anniversary of medical, scientific and civic activities. Zhur. nevr. i psikh. 62 no. 12 1889 '62.

ROSSOSH' DISTRICT—PENSIONS

We have 400 assistants. E. Sokolova. Sots. obesp. 24 no. 10 7-9 O '63.

ROSTOV—BUILDING RESEARCH

The Rostov Building Research Institute. L. A. Smirnov. Izv. VSiA no. 4 113-115 '61.

ROSTOV-ON-DON—CHEMICAL ENGINEERING

Rostov-on-Don. Institut inzhenerov zheleznodorozhnogo transporta. [Materials of the 30th Scientific and Technical Conference of the Institute Departments. Chemistry section] Materialy XXX Nauchno-tekhnicheskoi konferentsii kafedr instituta, sektsiia khimii. Rostov-na-Donu, In-t inzhenerov zhel.-dor. transp., 1962. 10 p.

ROSTOV-ON-DON—IONOSPHERIC RESEARCH

Akademiia nauk SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. Rostov, Moskva. [Its: Materialy ionosfernykh issledovanii]

July - Dec.	1957.	1962.	75 p.
Jan. - Mar. - Apr.	1958	1962.	63 p.
May - June	1958.	1962	58 p.
Sept. - Oct.	1958	1962.	60 p.
Nov. - Dec.	1958.	1962.	50 p.
Jan - Mar.	1959.	1962.	95 p.
Apr. - May	1959.	1962.	61 p.
June - Aug.	1959.	1962.	61 p.
Sept. - Oct.	1959.	1962.	62 p.
Nov - Dec.	1959.	1962.	61 p.

ROSTOV-ON-DON—MEDICINE, INDUSTRIAL

We reduce morbidity and the number of accidents. I. Nosach. Sots. obesp. 24 no. 10 20-22 O '63.

ROSTOV-ON-DON—SANATORIUMS

Reliable assistants. D. Evgen'eva. Okhr. truda i sots. strakh. 6 no. 10 27-28 O '63.

ROSTOV PROVINCE—BEEF CATTLE—ECONOMIC ASPECTS

Three years' work experience in raising young cattle for meat. S. IA. Dudin, A. P. Mal'tsev. Trudy VIZH 24 21-39 '62.

ROSTOV PROVINCE—FARM MECHANIZATION

Comprehensive mechanization and progressive work technique are the bases for increasing labor productivity in swine raising. V. A. Kapustin, I. P. Ul'iankin, G. D. Mal'tsev. Dokl. i soob. VNIESKH no. 16 148-159 '63.

ROSTOV PROVINCE—GRAIN

Economic efficiency of high-speed grain harvesting. IA. Chepel'. Ekon. sel'khoz. 34 no. 9 52-55 S '63.

ROSTOV PROVINCE—GRAPES—PRESERVATION

Preservation of local grape varieties in the Rostov Province. N. I. Kozhanova. Kons. i ov. prom. 18 no. 10 15-18 O '63.

ROSTOV PROVINCE—INDUSTRIAL HYGIENE

Great power. G. Makeev. Okhr. truda i sots. strakh. 6 no. 10 11-12 O '63.

ROSTOV PROVINCE—SWINE

Comprehensive mechanization and progressive work technique are the bases for increasing labor productivity in swine raising. V. A. Kapustin, I. P. Ul'iankin, G. D. Mal'tsev. Dokl. i soob. VNIESKH no. 16 148-159 '63.

ROSTOV PROVINCE—TRADE UNIONS

Great power. G. Makeev. Okhr. truda i sots. strakh. 6 no. 10 11-12 O '63.

ROTARY KILNS see Kilns, Rotary

ROTARY PUMPS—DESIGN AND CONSTRUCTION

Design of a rotary pump with an eccentric displacer. I. A. Chiniaev. Trudy LIVT no. 35 3-5 '62.

ROTATING AMPLIFIERS

Effect of the shunting of the compensating winding on the dynamic properties of three-stage amplidyne amplifiers. V. F. Baiko. Elektrichestvo no. 11 63-65 N '63.

ROTATING MASSES OF FLUID

The problem of the minimum in the theory of the stability of the motion of a solid body having a cavity filled with liquid. G. K. Pozharitskii, V. V. Rumiantsev. Prikl. mat. i mekh. 27 no. 1 16-26 Ja-F '63.

ROTATION OF CROPS

Placement of fertilizers in cotton crop rotations. B. I. Romanovskii. Trudy FergZOS no. 2 133-144 '59.

RUDAKIN, NIKOLAI ALEKSANDROVICH, 1862-1916

N. A. Rubakin, the book collector, and his libraries in the Soviet Union. E. P. Arsen'eva. Kniga, issl. i mat. 8 377-400 '63.

RUBBER

Effect of carbon black on the wear resistance of vulcanizates. K. A. Pechkovskaia and others. Kauch. i rez. 22 no. 10 38-42 O '63.

Elastic rubber substituting for hard steel. P. I. Sablin. Tekh. mol. 30 no. 8 1 '62.

Evaluation of the properties of oil-resistant rubber-to-metal shock absorbers for the axle equipment of the diesel locomotives. Z. A. Blinova, L. E. Vinitskii, V. L. Rul'kov. Trudy TSNII MPS no. 267 100-108 '63.

Frostproof shock absorber rubbers for the rolling stock. L. E. Vinitskii, N. A. Krasnova, O. N. Mal'tseva. Trudy TSNII MPS no. 267 113-121 '63.

Investigating polyarylene alkyls as ingredients of natural rubber compounds. I. I. Ukel'son and others. Kauch. i rez. 22 no. 9 1-4 S '63.

New developments in foreign science and technology. Kauch. i rez. 22 no. 9 59-63 S '63.

Selecting rubber for the shock absorbers of the central support cones of the VL60 locomotive. Z. A. Blinova and others. Trudy TSNII MPS no. 267 107-112 '63.

Thermal aging and protection of rubber based on natural caoutchouc. L. G. Angert, S. E. Khanin, A. S. Kuz'minskii. Kauch. i rez. 22 no. 10 19-23 O '63.

RUBBER—BIBLIOGRAPHY see Bibliography—Rubber

RUBBER—ELECTRIC PROPERTIES

Changes occurring in some electric properties of rubber during its swelling in the solvents. A. P. Gupperi and others. Kauch. i rez. 22 no. 9 17-19 S '63.

RUBBER—SPECTRA

Determining of iron, manganese and copper admixtures in natural rubbers by the method of spectral analysis of the solutions. V. N. Gulimov, I. P. Mantsibida. Kauch. i rez. 22 no. 10 54-56 O '63.

RUBBER—TESTING

Adhesion and friction characteristics of unvulcanized rubber compounds. A. I. Lukomskaia. Kauch. i rez. 22 no. 9 13-16 S '63.

Adsorption modification of dispersed quartz, and structure formation in solutions of rubber. I. D. Ikkhina, A. B. Taubman. Dokl. AN SSSR 152 no. 2 382-385 '63.

Effect of oxygen content of the environment on the fatigue life of rubbers. M. K. Khromov, K. N. Lazarev, M. M. Reznikovskii. Kauch. i rez. 22 no. 9 9-12 S '63.

Methods for testing stressed rubber in aggressive media. IU. S. Zuev, A. Z. Borshchevskaia. Kauch. i rez. 22 no. 10 23-27 O '63.

Standardization of methods for machine testing of caoutchouc and rubber. V. V. Il'in, A. I. Lukomskaia, M. M. Reznikovskii. Standartizatsiia 27 no. 8 31-34 Ag '63.

RUBBER, SYNTHETIC

Action of alkyl aryl phosphites as antifatigue agents of the butadiene-styrene rubber vulcanizates. Z. N. Tarasova, G. A. Kirpichnikov, T. F. Fedorova. Kauch. i rez. 22 no. 10 14-16 O '63.

Minimum unsaturation of butyl rubber for heat-resistant rubbers. G. M. Ronkin, I. A. Levitin. Kauch. i rez. 22 no. 9 4-9 S '63.

Rubber coating by means of flame spraying with dibutyl. A. L. Labutin, N. S. Fedorova. Kauch. i rez. 22 no. 9 27-30 S '63.

Rubbers for the braking systems with a base of butadiene-nitrile and butylstyrene rubber compound. E. E. Vinitskii, V. L. Prokof'eva. Trudy TSNII MPS no. 267 94-99 '63.

Some properties of rubbers made from siloxane polymers containing arylene links in the principal chain. S. S. Dolgoplosk and others. Kauch. i rez. 22 no. 9 1-2 S '63.

Some requirements for alkylphenol-formaldehyde resins used for the vulcanization of butyl rubber. A. G. Shvarts and others. Kauch. i rez. 22 no. 10 17-19 O '63.

Structure and properties of vulcanizates made from chlorosulfonated polyethylene. N. D. Zakharov, V. M. Poderukhina. Kauch. i rez. 22 no. 10 9-14 O '63.

Synthetic rubber will replace the natural. A. Korovin. Nauka i zhyttia 12 no. 3 8 Mr '63.

Use of cis-1,4 butadiene rubber for tread rubbers. V. F. Bresler, Z. A. Markova. Kauch. i rez. 22 no. 9 47-49 S '63.

RUBBER, SYNTHETIC—TESTING

Device for determining the relaxation of stresses in polymers. G. G. Popov, V. N. Shilapina. Kauch. i rez. 22 no. 10 43-44 O '63.

Synthesis of butadiene and methyl methacrylate copolymers and the basic properties of sulfurous vulcanizates made on their base. N. M. Mironova and others. Kauch. i rez. 22 no. 10 1-5 O '63.

RUBBER CRYSTALS—GROWTH

Formation and melting of gutta-percha crystals as observed under a microscope [with summary in English], G.F.Novikova. Vest. LGU 18 no.16 69-76 '63.

RUBBER GOODS—TESTING

Effect of the shape of the side surface of rubber-and-metal elements on the force characteristics of the compression. A.T. Khachatonov, N.A. Krasnova, L.F. Vinitskii. Kauch.i rez. 22 no.10 38-42 O '63

Studying the conditions of the forcing of the vulcanized rubber packing through the gap. D.P. Dobrushkin, E.S. Ekel', Z.D. Orlov. Kauch.i rez. 22 no.9 19-21 S '63.

RUBBER INDUSTRY

Molecular sieves and their use in the production of rubber goods. Z.V. Skorodumova, M.S. Fel'dshtein. Kauch.i rez. 22 no.9 41-46 S '63

Principal technical and economic results of the work of the industry of Industrial Rubber Products during 1962. A.F. Karaseva. Kauch.i rez. 22 no.10 15-19 O '63.

RUBBER INDUSTRY—HYGIENIC ASPECTS

Clinical aspects of occupational poisoning of thiorubber workers. A.S. Mel'kumova, I.S. Bylov, N.N. Pushkina. Uch. zap. Mosk. nauch.-issl. inst san.i gig no.9:90-94 '61.

Some problems of work hygiene in the production of thiorubber. R.A. Gruzdeva, S.S. Vishnevskaia, I.G. Kachmar. Uch. zap. Mosk. nauch.-issl. inst san.i gig no.9:85-89 '61.

RUBBER INDUSTRY—LABOR PRODUCTIVITY see subdivision under Dnepropetrovsk

RUBBER INDUSTRY—QUALITY CONTROL see subdivision under Oka Economic region

RUBBER INDUSTRY—SAFETY MEASURES

Some problems of work safety in the operation of rollers in the rubber industry. M.G. Chernik. Kauch.i rez. 22 no.10:52-54 O '63.

RUBBER INDUSTRY—TECHNOLOGICAL INNOVATIONS

New developments in foreign science and technology. Kauch.i rez. 22 no.10 58-61 O '63.

RUBBER MACHINERY

Attachment to the lengthwise cutting machine for the knurling of rubber mill rollers with automatic dividing mechanism. L.M. Irgei. Kauch.i rez. 22 no.9 54-55 S '63.

Design and manufacture technology of the pneumatic rubber hose braking system for the collapsible tire building drum of the MSPD tire assembly machine. A.F. Voshchakina, L.P. Zhgun. Kauch.i rez. 22 no.9 53-54 S '63.

Modernization of the unit for the manufacture of the inner tubes of automobile tires. L.I. Freidgeim, A.D. Sionimskii. Kauch.i rez. 22 no.9:49-52 S '63.

Prikhonskaia, N.V., and A.S. Skachkov. [Rapid methods of rubber compounding] Skorostnye metody prigotovleniia rezinovykh smesei. Moskva, Goskhimizdat, 1963 419 p

RUBBER PLANTS—DESIGN AND CONSTRUCTION see subdivision under Omsk Province

RUBBER TIRES see Tires, Rubber

RUBINSTEIN, ANTON, 1829-1894

Shein, S.F. [A.G. Rubinstein's "Demon"] Demon A.G. Rubinshteina. 2. izd. Moskva, Muzgiz, 1961. 77 p. illus. (Putevoditel' po operam) (MH)

RUBY CRYSTALS—SPECTRA

Second moment of electron paramagnetic resonance lines in ruby. D.N. Klyshko. Fiz.tver.tela 5 no.10:2825-2828 O '63.

RUG AND CARPET INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Leninabad

RUGS AND CARPETS

Basic physicomechanical characteristics of machine-made rug goods. A.E. Krasnoborod'ko. Izv.vys.ucheb.zav.tekh.tekst.prom. no.4:90-94 '63.

Belokhin, G.A., and V.P. Novikov. [Use of removable twine heads in the handlooming of rugs] Primenenie s"emnykh nitianykh galev remiza v ruchnom kovrotkachestve. [Moskva] Gosmestpromizdat, 1962. 5 p. [MICROFILM]

RUKHIN, LEV BORISOVICH, 1912-1959

In memory of Professor L.B. Rukhin. N.B. Vassoevich. Uch.zap.LGU no.310:5-13 '62.

RUMANIA—ARCHAEOLOGY

Rumanian-Soviet seminar on the problems of prehistoric archaeology. T.S. Passek. Sov.arkheol. 7 no.3:291-294 '63.

RUMANIA—ECONOMIC CONDITIONS

The development of hard-working Rumania. A. Grebnev. Agitator no.16:27-29 Ag '63.

RUMANIA—FISHERIES—RESEARCH

Oceanographic work in the Rumanian People's Republic. V.N. Stepanov. Okeanologiia 1 no.5:851-855 '61

RUMANIA—HISTORY

The 15th anniversary of the Rumanian People's Republic. A.A. Iazkova. Nov.i noveish.ist. no.5 160-170 '64.

RUMANIA—LABOR AND LABORING CLASSES

Glorious page of the Rumanian labor movement. O. Oltianu. Nov.i noveish.ist. no.5 148-169 '64.

RUMANIA—ORTHODOX EASTERN CHURCH—PERIODICALS

"Studii Teologice," journal of the Rumanian Patriarchate, nos. 3-4, 1962. V. Vladimirov. Zhur.Mosk.Pati no.8 71-76 Ag '63

RUMANIA—REFRACTORY MATERIALS

Silicon-aluminum refractory material replacing metal. E.A. Balykhin. Khim.mashinostr. no.3 43 My-Je '63

RUMANIA—VETERINARY MEDICINE

Rumanian zootechnical and veterinary science on the path of Michurin biology. K. Igor. Veterinariia 37 no.2 73-75 F '60.

RUMANIA—WOMEN—EMPLOYMENT

Where the sun will rise. L. Lerov. Ogonek 11 no.37 3-5 S '63.

RUMEN

Absorption of radioactive thiamine in the isolated section of the rumen. V.F. Vrakin. Dokl.TSKHA no.60: 211-217 '61.

Electrocardiographic and rumenographic studies of cattle with a malignant form of foot-and-mouth disease. A.K. Liapustin, N.M. Preobrazhenskii. Trudy Mosk.vet.akad. 12:73-81 '56.

RUMEN—MOTILITY

Effect of sugar beets and carrots on the secretory function of the abomasum and the motor activity of the rumen in cattle. E.I. Popov, A.S. Orlova, N.S. Sadikova. Sbor.stud.rab. MTIMMP no.7,67-69 '62.

Temperature and motility of the rumen in hungry animals after the injection of gases. S.IU. IAroslav and others. Visnyk sil'hosp nauky 6 no.1:113-114 Ap '63

RUMIANTSEV, GEORGII NIKITICH, 1903-

Thirty years of the study of Oriental problems. O.V. Serova. Nar.Az.i Afr. no.5:238 '63.

RUMINANTIA—FEEDING AND FEEDS

Intensiveness of the inclusion of tagged nitrogen (N^{15}) of carbamide in the proteins of ruminant organs and tissues. I.B. Fridland, M.I. Rambidi, V.S. Lekarev. Trudy VIZH 21,200-202 '62.

RUNOFF

(see also subdivision under Chong-Kyzylsu Valley, Fedchenko Glacier, Kazakhstan; Kuban Valley, Mogilev-Podol'skiy region; Siberia, Western; Soviet Far East; Volga Valley, Yaroslavl Province)

Maximal use of local runoff for irrigation and methods for abridged hydraulic calculations. P.P. Kochetov. Trudy OmSKhI 41:209-216 '60.

Rate of runoff of surface water in drainage basins. G.V. Kostaev. Meteor.i gidrol. no.10:36-37 O '63.

Velocity of the runoff of snow water in the forest and in the field. A.A. Chernyshev. Meteor.i gidrol. no.11 49-51 N '63.

RURAL EDUCATION see Education, Rural

RURAL ELECTRIFICATION

Author's reply. A.P. Korshunov. Elek.st 88-89 Ag '63.

Concerning A.P. Korshunov's article "Ideal grounding systems for rural power networks." IU.F. Belousov, G.Sh. Mesto. 34 no.8,87-88 Ag '63.

RURAL LIBRARIES

(see also subdivision under Chelyab

In step with collective-farm members. Bibliotekar' no.9 26-28 S '63.

It is necessary to know in order to do. M. Semenov. Bibliotekar' no.10:49

RURAL SCHOOLS see subdivision under ritory

RURAL SCHOOLS—DESIGN AND CONS

Verstin, G.I., and V.V. Pukhov. [Buildings for preschool institutions in rural areas] Zdaniia shkol i doshkol'nykh uchrezhdenii v sel'skoi mestnosti. Moskva, Gosstroiizdat, 1963. 191 p.

RURAL WATER SUPPLY see Water s

RUSSIA—ADMINISTRATIVE AND POLITICAL DIVISIONS

[Administrative and territorial divisions of the Union Republics (the U.S.S.R.) as of April 1, 1963] Administrativno-territorial'noe delenie Soiuznykh Respublik (SSSR) na 1 aprelia 1963 goda. Izd. 12. Moskva, Izd-vo "Izvestiia Sovetov deputatov trudiashchikhsia SSSR," 1963. 575 p.

Establishing the areas of autonomous territorial units, 1920-1922. O.I. Chistiakov. Vest.Mosk.un. Ser.10 Pravo 18 no.1,20-28 O-D '63

Russia (1923- U.S.S.R.) Verkhovnyi Sovet. Informatsionno-statisticheskii otdel. [Administrative and territorial divisions of the Union Republics, a supplement to the 1958 edition] Administrativno-territorial'noe delenie Soiuznykh Respublik, dopolnenie k spravochniku vypuska 1958 goda. Moskva, Izd-vo "Izvestiia Sovetov deputatov trudiashchikhsia SSSR," 1959. 53 p. (CStmoR)

RUSSIA—ARMED FORCES

Be like that! G.I. Lobov. Sov.voin 15 no.21 2-3 N '63.

Combat and heroic traditions. S. Semenov. Voen.znan. 39 no.10:39 O '63.

The sun of communism is rising above our country! Voen.vest 41 no.11 3-6 N '61

A trustworthy stronghold of peace. B. Babichev. Part.zhizn' [Urb.] 6 no.2 58-62 F '63.

RUSSIA—ARMED FORCES—GUARD DUTY

If you are detailed for guard duty. . . I. Semenov. Sov.voin 45 no.21,13 N '63.

RUSSIA—ARMED FORCES—POLITICAL ACTIVITY

For militant, efficient ideological work. Voen.vest. 43 no.7 4-8 Jl '63.

Ideas of communism live and conquer. N. Mironov. Voen.vest. 43 no.7 9-13 Jl '63.

Main principle in the building of the armed forces. T. Bychkov. Voen.vest 41 no.1 8-11 Ja '62.

Peregudov, K.V. [Combat readiness. What does it mean?] Boevaia gotovnost'. Chto eto znachit? Moskva, Voenizdat, 1963. 58 p. (Molodomu soldatu i matrosu o voinskoi sluzhbe)

Toward new successes. Voen.vest 41 no.1:3-7 Ja '62

RUSSIA—ARMED FORCES—RECRUITING, ENLISTMENT, ETC.

Rights and privileges of re-enlistees. Sov.voin 44 [i.e.45] no.16 46 Ag '63.

RUSSIA—ARMY

Chapaev theater. L. Granat. Sov.voin 15 no.20:32-33 O '63.

Soldiers of the Far North are always on the alert! P. Lukin. Voen.vest. 41 no.11 26 N '61.

RUSSIA—ARMY—ARTILLERY

Fresh wind. N. Zhdanov. Sov.voin 15 no.21:6-7 N '63.

RUSSIA—ARMY—NONCOMMISSIONED OFFICERS

Training of sergeants in the company. I. Sevriukov. Voen.vest. 41 no.11 54-57 N '61.

RUSSIA—ARMY—OFFICERS

Cadets must acquire habits of command and method. P. Bystrykh. Voen.vest. 41 no.11 64-66 N '61.

Creativity of students. P. Chuprina. Voen.vest. 41 no.11,57-59 N '61.

From the best representatives of the people. I.M. Voloshin. Voen.vest. 41 no.11:20-21 N '61.

RUSSIA—ARMY—PERSONNEL RECORDS

Do not duplicate records. I. Slepchenko. Voen.vest. 41 no.11 60-62 N '61

ROMANOV, HOUSE OF

[By the grace of God..., an album of photographs] Bozhieiu milostiiu ..., al'bom fotografii. [Paris] 1957 129 p. (chiefly illus.)
(MH)

ROMANOVSKAYA (ROSTOV PROVINCE)—OLD-AGE HOMES

Fellow workers' count in operation. I. Novoseltsev. Sots. obesp. 24 no.8 28-30 Ag '63

ROME—HISTORY

A new comprehensive study on the history of governmental administration in ancient Rome. L. A. El'nitskii. Vest. drev. ist. no. 3:183-187 '63.

ROME—LAND TENURE

"Land tenure in the Italy of the Trajan epoch" [in Italian] by Vito Antonio Sirago. Reviewed by V. I. Kuzishchin. Vest. drev. ist. no. 3 177-183 '63.

ROME—POLITICS AND GOVERNMENT

Political parties in Rome. S. L. Utchenko. Vest. drev. i t. no. 3 82-94 '63.

ROME—SLAVERY

Polybius' information on slavery in the third and second centuries B. C. V. I. Pavlovskaia. Vest. drev. ist. no. 3 95-106 '63.

ROOFING

"Izol." Biul. stroi. tekh. 20 no. 8 18 Ag '63.

Practicable possibilities of nonmetal roofing enterprises. D. P. Surnich. Stroi. mat. 9 no. 10 7-9 O '63.

ROOFING—DESIGN AND CONSTRUCTION

Some technical and economic indicators of the assembly of three-dimensional roofs. B. A. Grebennik. Prom. stroi. 41 no. 9 33-36 S '63.

ROOFING, CONCRETE

Akademiia kommunal'nogo khoziaistva. Leningradskii nauchno-issledovatel'skii institut. [Album of prestressed reinforced concrete roof constructions for the general repair of apartment houses] Al'bom predvaritel'no napriazhennykh zhelezobetonnykh konstruktsii krysh dlia kapital'nogo remonta zhilykh domov [Leningrad] 1962. 8, 58 p. diagrs.

ROOFING, TILE

Rigidity of prestressed cellular concrete tile roofing under lasting stress. IA. G. Sungatullin, V. I. Ponomareva. Prom. stroi. 41 no. 9 31-33 S '63.

ROOFS, SHELL

Leont'ev, N. N. Vasilii Zakharovich Vlasov. Moskva, Gosstroiizdat, 1963. 73 p.

ROOFS, SHELL—DESIGN AND CONSTRUCTION

Precast slanting shells. IU. V. Chinenkov. Prom. stroi. 41 no. 9 19-21 S '63.

ROOSEVELT, FRANKLIN DELANO, 1882-1943

Franklin D. Roosevelt's "New Deal" in the interpretation of an English periodical. N. V. Sivachev. Nov. i noveish. ist. no. 5 170-171 '63.

ROOSTERS

Methods of accelerated evaluation of the breeding qualities of roosters in the production of chicks for meat. V. A. Sergeev. Shor. rab. mol. uch. VNIIP no. 4:34-41 '62.

ROOT TUBERCLES

Active and inactive nodules of legumes. Z. G. Razumovskaia, Fan' Iun'-liu [Fan Yun-liu]. Trudy Inst. mikrobiol. no. 11:169-176 '61.

Relationships of various nodule bacteria strains of clover in the rhizosphere during the formation of nodules. A. Kalnins. Trudy Inst. mikrobiol. no. 11:182-188 '61.

ROOTS (BOTANY)

Effect of fertilizers on the development of the root system in corn and its yield. M. H. Taranovs'ka, R. O. Kachanova. Visnyk sil'hosp. nauky 6 no. 4 43-47 Ap '63.

Growth and death of pine, birch, and spruce roots under periodical flooding by soil water. A. IA. Orlov. Soob. Lab. lesoved. AN SSSR no. 6:62-82 '62.

Root excretions of fruit and berry plants. E. D. Zelenskaia. Nauch. trudy Ukr nauch.-issl. inst. sad. no. 40:53-67 '62.

Snow and the wintering of roots of fruit and berry crops. G. V. Vasil'chenko. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2:116-118 '63.

ROOTS (BOTANY)—ANATOMY

Study of the tuberous root of garden anemone. I. D. Medzmariashvili. Trudy Sukh. bot. sada no. 14:85-90 '62.

ROSE BENGAL

Examination of the functional state of the liver with the aid of radioactive Rose Bengal [with summary in English]. K. S. Martirosov, V. P. Tkachev. Med. rad. 8 no. 2:3-5 F '63.

ROSENBUSCHITE see subdivision under Lovozero Tundras

ROSIN ACIDS see Resin acids

ROSSIN, SOLOMON ABRAMOVICH, 1902-

Solomon Abramovich Rossin; on his 60th birthday and 35th anniversary of medical, scientific and civic activities. Zhur. nevr. i psikh. 62 no. 12:1889 '62

ROSSOSH' DISTRICT—PENSIONS

We have 400 assistants. F. Sokolova. Sots. obesp. 21 no. 10 7-9 O '63.

ROSTOV—BUILDING RESEARCH

The Rostov Building Research Institute. L. A. Smirnov. Izv. ASiA no. 1 113-115 '61.

ROSTOV-ON-DON—CHEMICAL ENGINEERING

Rostov-on-Don. Institut inzhenerov zheleznodorozhnogo transporta. [Materials of the 30th Scientific and Technical Conference of the Institute Departments. Chemistry section] Materialy XXX Nauchno-tekhnicheskoi konferentsii kafedr instituta, sektsiia khimii. Rostov-na-Donu, In-t inzhenerov zhel.-dor. transp., 1962. 10 p.

ROSTOV-ON-DON—IONOSPHERIC RESEARCH

Akademiia nauk SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. Rostov. Moskva. [Its Materialy ionosfernykh issledovanii]

July - Dec.	1957.	1962.	75 p.
Jan. - Mar. - Apr.	1958.	1962.	63 p.
May - June	1958.	1962.	58 p.
Sept. - Oct.	1958	1962	60 p.
Nov. - Dec.	1958.	1962.	59 p.
Jan. - Mar.	1959.	1962.	96 p.
Apr. - May	1959.	1962	61 p.
June - Aug.	1959.	1962.	61 p.
Sept. - Oct.	1959.	1962.	62 p.
Nov. - Dec.	1959.	1962.	61 p.

ROSTOV-ON-DON—MEDICINE, INDUSTRIAL

We reduce morbidity and the number of accidents. I. Nosach. Sots. obesp. 24 no. 10:20-22 O '63.

ROSTOV-ON-DON—SANATORIUMS

Reliable assistants. D. Evgen'eva. Okhr. truda i sots. strakh. 6 no. 10 27-28 O '63.

ROSTOV PROVINCE—BEEF CATTLE—ECONOMIC ASPECTS

Three years' work experience in raising young cattle for meat. S. IA. Dudin, A. P. Mal'tsev. Trudy VIZH 24:21-39 '62.

ROSTOV PROVINCE—FARM MECHANIZATION

Comprehensive mechanization and progressive work technique are the bases for increasing labor productivity in swine raising. V. A. Kapustin, I. P. Ul'iankin, G. D. Mal'tsev. Dokl. i soob. VNIESKH no. 16 148-159 '63.

ROSTOV PROVINCE—GRAIN

Economic efficiency of high-speed grain harvesting. IA. Chepel'. Ekon. sel'khoz. 34 no. 9 52-55 S '63.

ROSTOV PROVINCE—GRAPES—PRESERVATION

Preservation of local grape varieties in the Rostov Province. N. I. Kozhanova. Kons. i ov. prom. 18 no. 10:15-18 O '63.

ROSTOV PROVINCE—INDUSTRIAL HYGIENE

Great power. G. Makeev. Okhr. truda i sots. strakh. 6 no. 10 11-12 O '63.

ROSTOV PROVINCE—SWINE

Comprehensive mechanization and progressive work technique are the bases for increasing labor productivity in swine raising. V. A. Kapustin, I. P. Ul'iankin, G. D. Mal'tsev. Dokl. i soob. VNIESKH no. 16:148-159 '63.

ROSTOV PROVINCE—TRADE UNIONS

Great power. G. Makeev. Okhr. truda i sots. strakh. 6 no. 10 11-12 O '63.

ROTARY KILNS see Kilns, Rotary

ROTARY PUMPS—DESIGN AND CONSTRUCTION

Design of a rotary pump with an eccentric displacer. I. A. Chiniaev. Trudy LIVT no. 35:3-5 '62.

ROTATING AMPLIFIERS

Effect of the shunting of the compensating winding on the dynamic properties of the three-stage amplidyne amplifiers. V. F. Balko. Elektrichestvo no. 11:63-65 N '63.

ROTATING MASSES OF FLUID

The problem of the minimum in the theory of the stability of the motion of a solid body having a cavity filled with liquid. G. K. Pozharitskii, V. V. Rumiantsev. Prikl. mat. i mekh. 27 no. 1:18-26 Ja-F '63.

ROTATION OF CROPS

Placement of fertilizers in cotton crop rotations. B. I. Romanovskii. Trudy FergZOS no. 2:133-144 '59.

RUBAKIN, NIKOLAI ALEKSANDROVICH, 1862-1946

N. A. Rubakin, the book collector, and his libraries in the Soviet Union. E. P. Arsen'eva. Kniga, issl. i mat. 8 377-400 '63.

RUBBER

Effect of carbon black on the wear resistance of rubber vulcanizates. K. A. Pechkovskaia and others. Kauch. i rez. 22 no. 10 28-32 O '63.

Elastic rubber substituting for hard steel. T. Kashirova. Tekh. mol. 30 no. 8 1 '62.

Evaluation of the properties of oil-resistant rubber-to-metal shock absorbers for the axle equipment of TE1 diesel locomotives. Z. A. Blinova, L. E. Vinitskii, V. L. Rul'kov. Trudy TSNII MPS no. 267:100-106 '63.

Frostproof shock absorber rubbers for the rolling stock. L. E. Vinitskii, N. A. Krasnova, O. N. Maltseva. Trudy TSNII MPS no. 267 113-123 '63.

Investigating polyarylene alkyls as ingredients of a rubber compound. I. I. Ukel'son and others. Kauch. i rez. 22 no. 9 2-4 S '63.

New developments in foreign science and technology. Kauch. i rez. 22 no. 9 50-63 S '63.

Selecting rubber for the shock absorbers of the carital support cones of the VL60 locomotive. Z. A. Blinova and others. Trudy TSNII MPS no. 267:107-112 '63.

Thermal aging and protection of rubber based on natural caoutchouc. L. G. Angert, S. E. Khanin, A. S. Kuzminskii. Kauch. i rez. 22 no. 10 19-23 O '63.

RUBBER—BIBLIOGRAPHY see Bibliography—Rubber

RUBBER—ELECTRIC PROPERTIES

Changes occurring in some electric properties of rubber during its swelling in the solvents. A. P. Greppi and others. Kauch. i rez. 22 no. 9 17-19 S '63.

RUBBER—SPECTRA

Determining of iron, manganese and copper admixtures in natural rubbers by the method of spectral analysis of the solutions. V. N. Gulimov, I. P. Martiukhina. Kauch. i rez. 22 no. 10 54-56 O '63.

RUBBER—TESTING

Adhesion and friction characteristics of unvulcanized rubber compounds. A. I. Lukomskaia. Kauch. i rez. 22 no. 9 13-16 S '63.

Adsorption modification of dispersed quartz, and structure formation in solutions of rubber. E. D. Likhtin, A. B. Taubman. Dokl. AN SSSR 152 no. 2:382-385 S '63.

Effect of oxygen content of the environment on the fatigue life of rubbers. M. K. Khromov, K. N. Lazareva, M. V. Reznikovskii. Kauch. i rez. 22 no. 9:9-12 S '63.

Methods for testing stressed rubber in aggressive media. IU. S. Zuev, A. Z. Borshchevskaia. Kauch. i rez. 22 no. 10:23-27 O '63.

Standardization of methods for machine testing of caoutchouc and rubber. V. V. Ilin, A. I. Lukomskaia, M. V. Reznikovskii. Standartizatsiia 27 no. 8 31-33 Ag '63.

RUBBER, SYNTHETIC

Action of alkyl aryl phosphites as antifatigue agents of the butadiene-styrene rubber vulcanizates. Z. N. Tarasova, G. A. Kirpichnikov, T. F. Fedorova. Kauch. i rez. 22 no. 10:14-16 O '63.

Minimum unsaturation of butyl rubber for heat-resistant rubbers. G. M. Ronkin, L. A. Levitin. Kauch. i rez. 22 no. 9 4-9 S '63.

Rubber coating by means of flame spraying with thiokol. A. L. Labutin, N. S. Fedorova. Kauch. i rez. 22 no. 8 27-30 S '63.

Rubbers for the braking systems with a base of butylnitrile and butylstyrene rubber compound. L. E. Vinitskii, V. L. Prokof'eva. Trudy TSNII MPS no. 267:91-99 '63.

Some properties of rubbers made from silovane polymers containing arylene links in the principal chain. S. E. Dolgoplosk and others. Kauch. i rez. 22 no. 9 1-2 S '63.

Some requirements for alkylphenol-formaldehyde resins used for the vulcanization of butyl rubber. A. G. Shvarts and others. Kauch. i rez. 22 no. 10 17-18 O '63.

Structure and properties of vulcanizates made from chlorosulfonated polyethylene. N. D. Zakharov, V. M. Poderukhina. Kauch. i rez. 22 no. 10:9-14 O '63.

Synthetic rubber will replace the natural. A. Korotkov. Nauka i zhyttia 12 no. 3:8 Mr '63.

Use of cis-1, 4 butadiene rubber for tread rubbers. F. F. Bresler, Z. A. Markova. Kauch. i rez. 22 no. 8 41-43 S '63.

RUBBER, SYNTHETIC—TESTING

Device for determining the relaxation of stresses in polymers. G. G. Popov, V. N. Shlispina. Kauch. i rez. 22 no. 10:43-44 O '63.

Synthesis of butadiene and methyl methacrylate copolymers and the basic properties of sulfurous vulcanizates made on their base. N. M. Mironova and others. Kauch. i rez. 22 no. 10:1-5 O '63.

RUBBER CRYSTALS—GROWTH

Formation and melting of gutta-percha crystals as observed under a microscope [with summary in English]. G. E. Novikova. Vest. LGU 18 no. 16 69-76 '63.

RUBBER GOODS—TESTING

Effect of the shape of the side surface of rubber-and-metal elements on the force characteristics of the compression. A. T. Kharitonov, N. V. Krasnova, L. L. Vinitskii. Kauch. i rez. 22 no. 10 38-42 O '63.

Studying the conditions of the forcing of the vulcanized rubber packing through the gap. D. P. Dobrotshkin, I. S. Ekel', Z. D. Orlov. Kauch. i rez. 22 no. 9 19-21 S '63.

RUBBER INDUSTRY

Molecular sieves and their use in the production of rubber goods. Z. V. Skorodumova, M. S. Fel'dshtein. Kauch. i rez. 22 no. 9 11-16 S '63.

Principal technical and economic results of the work of the industry of industrial Rubber Products during 1962. A. F. Karaseva. Kauch. i rez. 22 no. 10 15-19 O '63.

RUBBER INDUSTRY—HYGIENIC ASPECTS

Clinical aspects of occupational poisoning of thio rubber workers. A. S. Mel'kumova, I. S. Bylov, N. N. Pushkina. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9:90-94 '61.

Some problems of work hygiene in the production of thio rubber. R. A. Gruzdeva, S. S. Vishnevskaia, E. G. Krechmar. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9:85-89 '61.

RUBBER INDUSTRY—LABOR PRODUCTIVITY see subdivision under Dnepropetrovsk

RUBBER INDUSTRY—QUALITY CONTROL see subdivision under Oka Economic region

RUBBER INDUSTRY—SAFETY MEASURES

Some problems of work safety in the operation of rollers in the rubber industry. M. G. Chernlak. Kauch. i rez. 22 no. 10, 52-54 O '63.

RUBBER INDUSTRY—TECHNOLOGICAL INNOVATIONS

New developments in foreign science and technology. Kauch. i rez. 22 no. 10 58-61 O '63.

RUBBER MACHINERY

Attachment to the lengthwise cutting machine for the knurling of rubber mill rollers with automatic dividing mechanism. L. M. Igel'. Kauch. i rez. 22 no. 9 54-55 S '63.

Design and manufacture technology of the pneumatic rubber hose braking system for the collapsible tire building drum of the MSPD tire assembly machine. A. F. Voshchakina, L. P. Zhgun. Kauch. i rez. 22 no. 9:53-54 S '63.

Modernization of the unit for the manufacture of the inner tubes of automobile tires. L. I. Freidgeim, A. D. Slonimskii. Kauch. i rez. 22 no. 9 19-52 S '63.

Priklonskaia, N. V., and A. S. Skachkov [Rapid methods of rubber compounding] Skorostnye metody prigotovleniia rezinovykh smesei. Moskva, Goskhimizdat, 1963 419 p.

RUBBER PLANTS—DESIGN AND CONSTRUCTION see subdivision under Omsk Province

RUBBER TIRES see Tires, Rubber

RUBINSTEIN, ANTON, 1829-1894

Shein, S. F. [A. G. Rubinshtein's "Demon"] Demon A. G. Rubinshteina 2. izd. Moskva, Muzgiz, 1961. 77 p. illus. (Putevoditel' po operam) (MH)

RUBY CRYSTALS—SPECTRA

Second moment of electron paramagnetic resonance lines in ruby. D. N. Klyshko. Fiz. tver. tela 5 no. 10 2825-2828 O '63.

RUG AND CARPET INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Leninabad

RUGS AND CARPETS

Basic physicomechanical characteristics of machine-made rug goods. A. E. Krasnoborod'ko. Izv. vys. ucheb. zav. tekh. tekst. prom. no. 4:90-94 '63.

Betekhtin, G. A., and V. P. Novikov. [Use of removable twine heads in the handlooming of rugs] Primenenie s"emnykh nitlanykh galev remizn v ruchnom kovrotkachestve. [Moskva] Gosmestpromizdat, 1962. 5 p [MICROFILM]

RUKHIN, LEV BORISOVICH, 1912-1959

In memory of Professor L. B. Rukhin. N. B. Vassoevich. Uch. zap. LGU no. 310:5-13 '62.

RUMANIA—ARCHAEOLOGY

Rumanian-Soviet seminar on the problems of prehistoric archaeology. T. S. Passek. Sov. arkheol. 7 no. 3 291-294 '63.

RUMANIA—ECONOMIC CONDITIONS

The development of hard-working Rumania. A. Grebnev. Agitator no. 16:27-29 Ag '63.

RUMANIA—FISHERIES—RESEARCH

Oceanographic work in the Rumanian People's Republic. V. N. Stepanov. Okeanologiia 3 no. 3 554-555 '63.

RUMANIA—HISTORY

The 15th anniversary of the Rumanian People's Republic. A. V. Ar'kova. Nov. i noveish. ist. no. 5 169-170 '63.

RUMANIA—LABOR AND LABORING CLASSES

Glorious page of the Rumanian labor movement. O. Oltsanu. Nov. i noveish. ist. no. 5 168-169 '63.

RUMANIA—ORTHODOX EASTERN CHURCH—PERIODICALS

"Studii Teologice," journal of the Rumanian Patriarchate, nos. 3-4, 1962. V. Vladimirov. Zhur. Mosk. Patr. no. 8 71-76 Ag '63.

RUMANIA—REFRACTORY MATERIALS

Silicon-aluminum refractory material replacing metal. L. V. Balykhin. Khim. mashinostr. no. 3 13 My-Je '63.

RUMANIA—VETERINARY MEDICINE

Rumanian zootechnical and veterinary science on the path of Michurin biology. K. Igori. Veterinariia 37 no. 2 73-75 F '60.

RUMANIA—WOMEN—EMPLOYMENT

Where the sun will rise. L. Lerov. Ogonek 41 no. 37 3-5 S '63.

RUMEN

Absorption of radioactive thiamine in the isolated section of the rumen. V. F. Vrakin. Dokl. TSKHA no. 69: 241-247 '61.

Electrocardiographic and rumenographic studies of cattle with a malignant form of foot-and-mouth disease. A. K. Liapustin, N. M. Preobrazhenskii. Trudy Mosk. vet. akad. 12:73-81 '56.

RUMEN—MOTILITY

Effect of sugar beets and carcorn on the secretory function of the abomasum and the motor activity of the rumen in cattle. E. T. Popov, A. S. Orlova, N. S. Sadikova. Sbor. stud. rab. MTIMMP no. 7 67-69 '62.

Temperature and motility of the rumen in hungry animals after the injection of gases. S. IU. Iaroslav and others. Visnyk sil'hosp. nauky 6 no. 8:113-114 Ap '63.

RUMIANTSEV, GEORGH NIKITICH, 1903-

Thirty years of the study of Oriental problems. O. V. Serova. Nar. Az i Afr. no. 5 238 '63.

RUMINANTIA—FEEDING AND FEEDS

Intensiveness of the inclusion of tagged nitrogen (N^{15}) of carbamide in the proteins of ruminant organs and tissues. I. B. Fridiland, M. I. Rambidi, V. S. Ivkaev. Trudy VIZH 24:200-202 '62.

RUNOFF

(see also subdivision under Chong-Kyzylsu Valley, Fedchenko Glacier; Kazakhstan; Kuban Valley, Mogilev-Podol'skiy region; Siberia, Western; Soviet Far East, Volga Valley, Yaroslavl Province)

Maximal use of local runoff for irrigation and methods for abridged hydraulic calculations. P. P. Kochetov. Trudy OmSKhI 41:209-216 '60.

Rate of runoff of surface water in drainage basins. G. V. Kostsov. Meteor. i gidrol. no. 10:36-37 O '63.

Velocity of the runoff of snow water in the forest and in the field. A. A. Chernyshev. Meteor. i gidrol. no. 11: 49-51 N '63.

RURAL EDUCATION see Education, Rural

RURAL ELECTRIFICATION

Author's reply. A. P. Korshunov. Elek. sta. 34 no. 8: 88-89 Ag '63.

Concerning A. P. Korshunov's article "Design of economical grounding systems for rural power distribution networks." IU. F. Belousov, G. Sh. Mendelevich. Elek. sta. 34 no. 6:87-88 Ag '63.

RURAL LIBRARIES

(see also subdivision under Chelyabinsk Province)

In step with collective-farm members. M. Zelepuza. Bibliotekar' no. 9, 26-28 S '63.

It is necessary to know in order to do propaganda work. M. Semenov. Bibliotekar' no. 10:49-51 O '63.

RURAL SCHOOLS see subdivision under Stavropol Territory

RURAL SCHOOLS—DESIGN AND CONSTRUCTION

Verstin, G. I., and V. V. Pukhov. [Building schools and preschool institutions in rural areas] Stroitel'stvo shkol i doshkol'nykh uchrezhdenii v sel'skoi mestnosti. Moskva, Gosstroiizdat, 1963. 191 p.

RURAL WATER SUPPLY see Water supply, Rural

RUSSIA—ADMINISTRATIVE AND POLITICAL DIVISIONS

[Administrative and territorial divisions of the Union Republics (the U. S. S. R.) as of April 1, 1963] Administrativno-territorial'noe delenie Soiuznykh Respublik (SSSR) na 1 aprelia 1963 goda. Izd. 12. Moskva, Izd-vo "Izvestiia Sovetov deputatov trudiashchikhsia SSSR," 1963. 575 p.

Establishing the areas of autonomous territorial units, 1920-1962. O. I. Chistiakov. Vest. Mosk. un. Ser. 10, Pravo 18 no. 1 20-28 O-D '63.

Russia (1923- U. S. S. R.) Verkhovnyi Sovet. Informatsionno-statisticheskii otdel. [Administrative and territorial divisions of the Union Republics, a supplement to the 1958 edition] Administrativno-territorial'noe delenie Soiuznykh Respublik, dopolnenie k spravochniku vypuska 1958 goda. Moskva, Izd-vo "Izvestiia Sovetov deputatov trudiashchikhsia SSSR," 1959. 53 p (CStmoR)

RUSSIA—ARMED FORCES

Be like that! V. Lobov. Sov. voin 15 no. 21 2-3 N '63.

Combat and heroic traditions. S. Semenov. Voen. znan. 39 no. 10:39 O '63.

The sun of communism is rising above our country! Voen. vest. 41 no. 11 3-6 N '61.

A trustworthy stronghold of peace. B. Babaev. Part. zhizn' [Uzb.] 6 no. 2 58-62 F '63.

RUSSIA—ARMED FORCES—GUARD DUTY

If you are detailed for guard duty.... I. Semenov. Sov. voin 15 no. 21, 13 N '63.

RUSSIA—ARMED FORCES—POLITICAL ACTIVITY

For militant, efficient ideological work. Voen. vest. 43 no. 7 3-8 Jl '63.

Ideas of communism live and conquer. N. Mironov. Voen. vest. 43 no. 7 9-13 Jl '63.

Main principle in the building of the armed forces. T. Bychkov. Voen. vest. 41 no. 1 8-11 Ja '62.

Peregudov, K. V. [Combat readiness. What does it mean?] Boevaia gotovnost'. Chto eto znachit? Moskva, Voenizdat, 1963. 58 p. (Molodomu soldatu i matrosu o voinskoi sluzhbe)

Toward new successes. Voen. vest. 41 no. 1 3-7 Ja '62.

RUSSIA—ARMED FORCES—RECRUITING, ENLISTMENT, ETC.

Rights and privileges of re-enlistees. Sov. voin 14 [i. e. 15] no. 16 16 Ag '63.

RUSSIA—ARMY

Chapaev theater. L. Granat. Sov. voin 15 no. 20, 32-33 O '63.

Soldiers of the Far North are always on the alert! P. Lukin. Voen. vest. 41 no. 11 26 N '61.

RUSSIA—ARMY—ARTILLERY

Fresh wind. N. Zhdanov. Sov. voin 15 no. 21 6-7 N '63.

RUSSIA—ARMY—NONCOMMISSIONED OFFICERS

Training of sergeants in the company. I. Sevrukov. Voen. vest. 41 no. 11 54-57 N '61.

RUSSIA—ARMY—OFFICERS

Cadets must acquire habits of command and method. P. Bystrykh. Voen. vest. 41 no. 11:64-66 N '61.

Creativity of students. P. Chuprina. Voen. vest. 41 no. 11, 57-59 N '61.

From the best representatives of the people. I. M. Voloshin. Voen. vest. 41 no. 11 20-21 N '61.

RUSSIA—ARMY—PERSONNEL RECORDS

Do not duplicate records. I. Slepchenko. Voen. vest. 41 no. 11 60-62 N '61.

The simpler, the better. N. Azelitskii. Voen. vest. 41 no. 11 60 N '61.

RUSSIA—ARMY—PHYSICAL TRAINING

Physical exercises for signalmen. V. Makarov, I. Petrushevskii, IU. Dem'ianenko. Voen. vest. 41 no. 1 99-100 Ja '62.

RUSSIA—ARMY—POLITICAL ACTIVITY

Contribution of communists and komsomols. N. Muravlev. Voen. vest. 43 no. 7 34-35 Jl '63.

Essential factor in military development. V. V. Zolotukhin. Voen. vest. 41 no. 11:18-19 N '61.

Leninist relay race. IU. Ustinov. Sov. voin 45 no. 21: 1 N '63.

Soldiers study the materials of the party congress. K. IAkovlev, A. Stenin, N. Znitsev. Voen. vest. 41 no. 1:12-15 Ja '62.

RUSSIA—ARMY—SPORTS

Preparation for the contests in the military "triathlon." P. Beschastnov, N. Kulakov. Voen. vest. 43 no. 7 125-126 Jl '63.

RUSSIA—CENSUS

Population of our country. A. IAkovlev. Nov. mir 39 no. 1:267-269 Ja '63.

RUSSIA—COAST GUARD

[illegible] V. Zhukovskii [illegible] 12-13 O '63.

RUSSIA—COMMERCE

Kommunisticheskaia partiia Sovetskogo Soiuza. Vysshaia partiinaia shkola. [Programs in trade economics for schools of party activists, study groups and seminars of the party education system] Programma po ekonomike torgovli dlia sistemy partiinykh shkol, kruzhkov i seminarov sistemy politicheskogo prosveshchenia. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 29 p.

[Soviet trade economics] Ekonomika radians'koi torhivli, pidruchnyk. [By] G. S. Gurevich [and others]. Kyiv, Derzhpolitvydav URSR, 1962. 500 p.

[illegible] V. S. Patolichev. Kultura i kultura [illegible] 15 '63.

RUSSIA—COMMERCE—EUROPE, EASTERN

Pamphlet-length studies of bourgeois economists [with abstracts in English, p. 72]. F. M. Ramos. Vneshn. torg. 10 13-17 '63.

RUSSIA—COMMERCE—GREAT BRITAIN

British business circles support the extension of trade with the U.S.S.R. A. Kalinin. Mezhdunar. zhizn' 10 no. 12:136-137 D '63.

Our interviews. Sov. Soiuz no. 8:40 '63.

RUSSIA—COMMERCE—IRAN

Commerce between Baku city and Iran from the 1830's to the 1860's [in Azerbaijani with summary in Russian]. M. A. Musaev. Izv. Mosk. Azerb. SSR, Ser. obshchestv. nauk no. 4:41-51 '63.

RUSSIA—COMMERCE—LIBYA

Trade agreement between the U.S.S.R. and the Kingdom of Libya. Vnesh. torg. 43 no. 10:53-55 '63.

RUSSIA—COMMERCE—NIGERIA

Nigeria has broken the "iron curtain." E. Onan. Az. i Afr. segodnia, no. 11:22-23 N '63.

RUSSIA—COMMERCE—TANGANYIKA

We are satisfied with our visit to Russia. George Clement Kahama. Vnesh. torg. 43 no. 10:27 '63.

RUSSIA—COMMERCE—UNITED STATES

American business and the Soviet Union. G. Shishkin. Nov. vrem. 21 no. 44:11-13 N '63.

Such contacts are extremely useful. Ernesto Rubin. Vnesh. torg. 43 no. 10:26-27 '63.

RUSSIA—CONSTITUTIONAL LAW

"The Soviet constitutional law course" by A. I. Lepeshkin, vol. 1, "The Soviet constitutional law course," by A. I. Lepeshkin and others, vol. 2. Reviewed by D. L. Ziatopol'skii. Vest. Mosk. un. Ser. 10. Pravo 18 no. 4:54-64 O-D '63.

RUSSIA—DESCRIPTION AND TRAVEL

[Welcome to the U.S.S.R.!] Dobro pozhalovat' v SSSR! [n. p., n. d.] 1 v.

[MICROFILM]

RUSSIA—ECONOMIC CONDITIONS

The banner of the October Revolution is the banner of communism. Sov. profsoiuzy 19 no. 20:1-3 O '63.

Buzgakov, N., ed. [The party's struggle for a great upsurge in the national economy and for the completion of the building of socialism, 1953-1958, questions and answers] Bor'ba partii za moshchnyi pod'em narodnogo khoziaistva, za zavershenie stroitel'stva sotsializma, 1953-1958 godu, konsul'tatsii, metodicheskie sovety. [Moskva] Mosk. rabochii, 1963. 157 p. (V pomoshch' izuchaiushchim istoriiu KPSS)

(MH)

Drawing closer of nationalities and strengthening friendship among the peoples of the U.S.S.R. Vest. AN Kazakh. SSR 18 no. 4:85-87 Ap '62.

Economic and technical foundation of communism is the backbone of communist production relations. P. TSvetlyakh. Komm. Ukr. 39 no. 10:69-76 O '63.

Eloquent acknowledgements. Agitator no. 16:50-52 Ag '63.

Forty sixth anniversary of labor since the October Revolution. Mashinostroitel' no. 11:1-2 N '63.

The Great October Revolution. Kommunist 40 no. 15:3-12 O '63.

Inextinguishable light of the Great October Revolution. Komm. Ukr. 39 no. 10:2-10 O '63.

Notes of an observer. Sov. Soiuz no. 10:1 '63.

Observer's notes. Sov. Soiuz no. 8:2-4 '63.

A remarkable decade. Komm. Bel. 37 no. 8:9-13 S '63.

Seven-league strides. P. Efimov. Nov. vrem. 21 no. 43:4-8 O '63.

[Struggle of the party for the completion of the socialist reconstruction of the national economy: Victory of socialism in the U.S.S.R., 1933-1937] Bor'ba partii za zavershenie sotsialisticheskoi rekonstruktsii narodnogo khoziaistva. Pobeda sotsializma v SSSR, 1933-1937 gody, konsul'tatsii, metodicheskie sovety. [Moskva] Mosk. rabochii, 1963. 134 p. (V pomoshch' izuchaiushchim istoriiu KPSS)

Under the banner of peace and friendship among nations. Komm. Bel. 37 no. 10:3-8 O '63.

What shortening the period of construction means for the national economy. T. Bulgha. Polit. samoobr. 7 no. 9:63-65 S '63.

Where the sun will rise. L. Leonov. Ogonek 41 no. 37:3-5 S '63.

Zaitsev, V. S., A. A. Timofeevskii, and P. G. Novikov. [The second phase, the CPSU in the struggle for the building of socialism] Na vtorom etape, KPSS v bor'be za postroenie sotsializma. Moskva, Izd-vo "Znanie," 1963. 72 p. (Novoe v zhizni, nauke, tekhnike. Seriia Istoriia, no. 15-16)

RUSSIA—ECONOMIC CONDITIONS—MATHEMATICAL MODELS

Modeling of economic systems. M. R. Lebkind. Vest. AN SSSR 33 no. 10:15-17 O '63.

RUSSIA—ECONOMIC GEOGRAPHY see Geography, Economic

RUSSIA—ECONOMIC POLICY

Economic field is the most important sphere of the struggle for communism. Kommunist 40 no. 17:3-11 N '63.

Ermolaev, I. D. [Objective principles of the economic policy of the Communist Party in the struggle to build communism] Ob"ektivnye osnovy ekonomicheskoi politiki Kommunisticheskoi partii v bor'be za postroenie kommunizma. Astrakhan', Volga, 1961. 81 p.

(MH)

Nemchinov, V. S. [On further improving the planning and administration of the national economy] O dal'neishem sovershenstvovanii planirovaniia i upravleniia narodnym khoziaistvom. Moskva, Ekonomizdat, [1963] 73 p. (Obsuzhdaem problemy sovershenstvovaniia planirovaniia, no. 1)

"Problem of optimal planning" by IA. P. Gerchuk. Reviewed by P. Maslov. Vest. stat. no. 9:60-62 '63.

Reorganization of the party guidance of the national economy is an important means for the successful fulfillment of the program of the building of communism. Polit. samoobr. 7 no. 7:138-142 Jl '63.

Zelenova, N. G. [Tenth Congress of the Party and its decisions. Transition to the New Economic Policy, lecture] X s"ezd partii i ego reshenia. Perekhod k novoi ekonomicheskoi politike, lektsiia. [Moskva] Izd-vo Mosk. univ., 1963. 62 p.

RUSSIA—FOREIGN ECONOMIC RELATIONS—CUBA

Consolidation of the economic relations between Cuba and the Soviet Union. I. Arkhipov. Mezhdunar. zhizn' 10 no. 12:70-74 D '63.

RUSSIA—FOREIGN ECONOMIC RELATIONS—NORWAY

An example of good neighborly cooperation. Iu. Serbin. Mezhdunar. zhizn' 10 no. 12:106-107 D '63.

RUSSIA—FOREIGN RELATIONS

Communist system is the decisive factor of social progress. P. Koval'. Komm. Ukr. 39 no. 9:20-27 S '63.

A great example of internationalism. E. Kuskov. Polit. samoobr. 7 no. 11:9-18 N '63.

Hope of the world. M. Sturua. Sov. voin 45 no. 20:46-47 O '63.

Invariable faithfulness to Lenin's principles. D. Tomashevskii. Mezhdunar. zhizn' 10 no. 12:121-127 D '63.

Leninist foreign policy. G. Lille. Az. i Afr. segodnia, no. 11:59-60 N '63.

Leninist policy of peaceful coexistence in the time of the Genoa Conference, 1922. G. G. Alakhverdov. Vop. ist. KPSS 7 no. 10:41-56 O '63.

Lenin's diplomacy in action [with summary in English, p. 189]. A. E. Ioffe. Nov. i noveish. ist. no. 5:115-124 '63.

Notes of an observer. Sov. Soiuz no. 10:1 '63.

Observer's notes. Sov. Soiuz no. 8:2-4 '63.

Our banner is socialist internationalism. I. Larchenko. Komm. Bel. 37 no. 10:15-21 O '63.

Peace, independence, and socialism. B. Gafurov. Az. i Afr. segodnia, no. 11:2-4 N '63.

The program of Moscow. Nov. vrem. 21 no. 44:3-4 N '63.

Secret of our diplomacy. A. Leonidov. Nov. vrem. 21 no. 45:7-10 N '63.

What is the Marxist-Leninist attitude toward compromises. L. Semenov. Polit. samoobr. 7 no. 11:56-61 N '63.

RUSSIA—FOREIGN RELATIONS—ASIA

Early history of the Leninist policy of friendship with the peoples of the Orient. V. Israelian, I. Ovseenko. Nar. Az. i Afr. no. 5:162-168 '63.

RUSSIA—FOREIGN RELATIONS—CHINA

Defenders of the personality cult. Sovremennik. Nov. vrem. 21 no. 41:13-15 O '63.

History of the Soviet-Chinese relations in 1918. S. S. Khuseinov. Krat. soob. Inst. nar. Az. no. 58:107-116 '63.

Russian policy on the opium question in the [illegible] Anglo-Chinese War, 1839-1842. B. I. [illegible] soob. Inst. nar. Az. no. 66:130-142 '64.

Truth will tell. S. Bruman. Sov. profsoiuzy. [illegible] 38 O '63.

RUSSIA—FOREIGN RELATIONS—CZECHOSLOVAKIA

Twentieth anniversary of the first treaty. [illegible] Mezhdunar. zhizn' 10 no. 12:101-105 D '63.

RUSSIA—FOREIGN RELATIONS—GREAT BRITAIN

"Anglo-Russian relations and the problems of the Caucasian region, 1708-1801" by A. M. Shcherbatov. Reviewed by V. G. Shvetkin. Vop. ist. no. 9:149-151 O '63.

RUSSIA—FOREIGN RELATIONS—INDONESIA

Soviet geologists in Indonesia. K. K. Zelenov. Vest. AN SSSR 33 no. 10:80-85 O '63.

RUSSIA—FOREIGN RELATIONS—TURKEY

Our commentaries. Nov. vrem. 21 no. [illegible]

RUSSIA—FOREIGN RELATIONS—UNITED STATES

Contacts between U.S.S.R. and U.S. [illegible] 100th anniversary of the National Academy [illegible] of the United States. Vest. AN SSSR [illegible] O '63.

Cooperation is the best weapon. B. Dmitriev. Mezhdunar. zhizn' 10 no. 12:103-104 D '63.

Our visit to U.S. seismologists. D. S. Korchinskii. Vest. AN SSSR 33 no. 10:75-79 O '63.

This is the only reasonable way. Ukraina [illegible] '63.

RUSSIA—FRONTIER TROUBLES—CHINA

We won't let the provocators in. Aleksandr Gurt. Ogonek 41 no. 39:25-26 S '63.

RUSSIA—GEOGRAPHY see Geography

RUSSIA—GERMAN OCCUPATION, 1941-1944

[Villainous objectives and villainous means, documentary materials on the policy of fascist Germany in the occupied part of the U.S.S.R., 1941-1944] Prestuplenie fashistskoi - prestupnye sredstva; dokumenty i fakty o politike fashistskoi Germanii na [illegible] 1941-1944 gg. Moskva, Gospolitizdat, 1963. 335 p.

RUSSIA—GOVERNMENT PROPERTY

Evsikov, I. F., and V. K. Kniaziuk. [Public property is your wealth] Obshchestvennoe dostoianie - [illegible] bogatstvo. Moskva, Gospolitizdat, 1963. 64 p. (Moral'nyi kodeks stroitelia kommunizma)

(MH)

RUSSIA—HISTORY

Books about the heroic past which will never [illegible] F. I. Chernyshev. Mor. sbor. 16 no. [illegible]

Brief notes. Vop. ist. 38 no. 10:159-161 O '63.

From the history of the idea of progress in [illegible] A. G. Aslanian. Izv. AN Arm. SSR. Obshchie [illegible] no. 7:35-40 Jl '63.

How Russia supported the German liberation [illegible] December 1812-May 1813 [with summary in] [illegible] 189]. A. G. Vlaskin. Nov. i noveish. ist. [illegible] '63.

Marxism-Leninism on the noncapitalist development paths of underdeveloped countries and peoples. [illegible] Troitskaia. Uch. zap. Tadzh. un. 23. Trudy [illegible] ekon. no. 1:20-46 '59.

RUSSIA—HISTORY—BIBLIOGRAPHY

Publication of studies on the history of the great [illegible] S. M. Maiorov. Vop. ist. KPSS 7 no. 10:153-[illegible] '63.

RUSSIA—HISTORY—SOURCES

Critical evaluation of historical sources concerning early stage of over-all collectivization. Arkhivy i [illegible] Spring 1930. N. A. Ivnitskii. Ist. arkh. 8 no. [illegible] Mr-Ap '62.

History of the "Land and Liberty" Group in the [illegible] IA. I. Linkov. Ist. arkh. 8 no. 2:235-237 Mr-Ap '63.

An important publication of the sources of history. S. S. Kashtanov. Vop. ist. 38 no. 10:131-136 O '63.

New edition of Konrad Bussow's "Moscow chronicle." N. Dolinin. Ist. arkh. 8 no. 2:220-223 Mr-Ap '63.

Our readers comment on the articles published in [illegible] periodical. I. V. Kolosnov and others. Ist. arkh. 8 no. 2:211-216 Mr-Ap '62.

RUSSIA—HISTORY—STUDY AND TEACHING

Studying the history of the great decade. V. V. [illegible] skii. Vop. ist. KPSS 7 no. 10:81-90 O '63.

RUSSIA—HISTORY, MILITARY

Kamenev, S. S. [Notes on the civil war and the organization of the armed forces] Zapiski o grazhdanskoi voine i voennom stroitel'stve; izbrannye stat'i. S. st. N. S. Kameneva, L. M. Spirin, P. P. Chernushkov. Moskva, Voenizdat, 1963. 391 p.

RUSSIA—HISTORY, MILITARY (Continued)

Participation of Russian military units in the liberation of Germany from the yoke of Napoleon. Nov. i noveish. ist. no 5 84-92 '63.

Preparations of the prerevolutionary government for the First World War. Submitted by A. L. Sidorov. Ist arkh. 8 no.2:120-155 Mr-Ap '62.

The work of the Central State Archives of Military History in using documentary materials; present state and future development. L. P. Voronin, I. S. Nasin. Vop. arkh. 8 no. 2 25-30 Ap-Je '63.

RUSSIA—HISTORY, NAVAL

History of Russian friendly contacts with Turkey. A. L. Raikhsaum. Ist. arkh. 8 no.2:232-235 Mr-Ap '62.

RUSSIA—INDUSTRIES

Economic field is the most important sphere of the struggle for communism. Kommunist 40 no.17:3-11 N '63.

New objectives for the Soviet economy. Metalloved. i term. obr. met. no. 11:1-3 N '63.

Soviet exhibitions in Africa. N. Kuz'mina, N. Sapozhnikova. Vnesh. torg. 43 no.10:36-39 '63.

RUSSIA—INDUSTRIES—BIBLIOGRAPHY

Moscow. Publichnaia biblioteka. [Building the material and technical basis of communism; bibliography of recommended literature] Za sozdanie material'no-tekhnicheskoi bazy kommunizma; rekomendatel'nyi ukazatel' literatury. Moskva, 1963. 179 p.

RUSSIA—MAPS

Russia (1923- U. S. S. R.) Glavnoe upravlenie geodezii i kartografii. [Atlas of the U. S. S. R. for secondary schools, the course in economic geography] Atlas SSSR dlia srednei shkoly, kurs ekonomicheskoi geografii [Moskva, 1960] 50 p. (chiefly col. maps) (NcD)

RUSSIA—MILITARY POLICY

Bochkarev, K. S., I. P. Prusanov, and A. A. Babakov. [The program of the CPSU on the defense of the socialist fatherland] Programma KPSS o zashchite sotsialisticheskogo Otechestva. Moskva, Voenizdat, 1963. 141 p.

RUSSIA—NAVY

At different latitudes. Valentin Otkidach. Sov. voin 45 no.20:30-32 O '63.

Before the revolutionary storm. I. T. IAkhnovskii. Mor. sbor. 46 no.7 49-53 Jl '63.

Military and scientific conferences in the Red-Banner Baltic Fleet. IU. A. Khrypov. Mor. sbor. 47 no.11: 25-29 N '63.

Military collaboration between navies of socialist countries is getting stronger. N. N. Ivashnev, A. G. Kozlov. Mor. sbor. 46 no.7:28-33 Jl '63.

On ships, in units, and in naval commands (from data supplied by our volunteer correspondents). Mor. sbor. 46 no.7:79 Jl '63.

Party's concern about the fleet. S. G. Gorshkov. Mor. sbor. 46 no.7:8-16 Jl '63.

Patriotic initiatives should be given an active support and wide propagation. A. N. Mozherenko, R. N. IUrasov. Mor. sbor. 47 no.11:10-13 N '63.

Triumphant march of the ideas of the Great October Revolution. Mor. sbor. 47 no.11:3-9 N '63.

RUSSIA—NAVY—ELECTRIC INSTALLATIONS

Naval electricians. O. Baronov. Voen. znan. 39 no.10:11-12 O '63.

RUSSIA—NAVY—OFFICERS

Increase the active role of a ship's commander in officer training. V. G. Germanovich. Mor. sbor. 46 no.7:54-59 Jl '63.

Navigator training of submarine boat watch officers. V. S. Maliarchuk. Mor. sbor. 47 no.11:50-51 N '63.

RUSSIA—NAVY—POLITICAL ACTIVITY

Carry the baton of our fathers with honor. A. Belyshev. Sov. voin 45 no.20:1-2 O '63.

RUSSIA—NAVY—REGULATIONS

Code of laws on naval service. G. Ditskii. Voen. znan. 39 no.10:6 O '63.

RUSSIA—POLITICS AND GOVERNMENT

Akademiia nauk SSSR. Institut gosudarstva i prava. [Congresses of the Soviets of the Soviet Union and the Union and Autonomous Soviet Socialist Republics, 1917-1937; documents in seven volumes] S"ezdy Sovetov Soiuza SSR, soiuznykh i avtonomnykh sovetskikh sotsialisticheskikh respublik; sbornik dokumentov v semi tomakh, 1917-1937 gg. Moskva, Gosiurizdat.

Vol. 1. Pt. 2. [Congresses of the Soviets of the Autonomous Soviet Socialist Republics of the R. S. F. S. R., 1923-1937, collected documents] S"ezdy Sovetov avtonomnykh sovetskikh sotsialisticheskikh respublik, vkhodiashchikh v RSFSR; sbornik dokumentov, 1923-1937 gg. 1963. 906 p.

The CPSU and the development of communist self-government. A. K. Belykh. Sov. gos. i pravo 33 no.10:23 O '63.

Development of democracy and the improvement of the state apparatus. M. Piskotin. Kommunist 40 no.17: 25-33 N '63.

Development of the Leninist principles of the party control of governmental agencies [with summary in English, p. 219]. V. P. Ivanov, S. A. Moruchkov. Vop. ist. 38 no.10:21-36 O '63.

Efforts of the CPSU to extend the rights of the Union Republics, 1953-1962. M. O. Mnatsakanian. Vop. ist. KPSS 7 no.10:3-15 O '63.

Forms of the execution of the functions of the Soviet state. I. S. Samoshchenko. Rad. pravo no. 1 10-16 Ja-Ag '63.

[Gazette of the Supreme Soviet of the R. S. F. S. R.] Ved. Verkh. Sov. RSFSR 7 nos. 42-45 O-N '63.

[Gazette of the Supreme Soviet of the U. S. S. R.] Ved. Verkh. Sov. SSSR 26 nos. 47-50 N-D '63.

Genuinely of the people. S. Mezentsev. Kul't. i zhizn. 7 no.10:7-8 '63.

Objectives and successive periods in the history of the state and law of all Soviet people: a review of materials received by our periodical. Sov. gos. i pravo 33 no.10: 24-32 O '63.

Party and state control over jobs is in operation. N. N. Sidorov. Gor. khoz. Mosk. 37 no.7:4-5 Jl '63.

The "state of all people" is a new phase in the development of the socialist state. M. Khakimov. Komm. Uz. 35 no.9:27-32 S '63.

Study of the topic "Sociopolitical structure of socialism" in a social science course. IU. Todorskii. Polit. samoobr. 7 no.11 100-106 N '63.

RUSSIA—POPULATION

Size and composition of the rural population of the U. S. S. R. K. Smirnov. Ekon. sel'khoz. 31 no.9:41-45 S '63.

RUSSIA—RELATIONS (GENERAL) WITH CUBA

Homeland or death! A. Blok. Uzbekistan 22 no.7:26 Jl '63.

RUSSIA—RELATIONS (GENERAL) WITH CZECHOSLOVAKIA

Soviet friendship with Czechoslovakia is indissoluble. O. Sellaninov. Kommunist 40 no.17:113-118 N '63.

True friendship. D. Zhornik. Kryl. rod. 14 no.11:16-17 N '63.

RUSSIA—RELATIONS (GENERAL) WITH DENMARK

Twelve days in Denmark. M. Derevain. Sots. obesp. 21 no.8 59-63 Ag '63.

RUSSIA—RELATIONS (GENERAL) WITH EASTERN EUROPE

Akademiia nauk URSR, Kiev. Institut istorii. [Historical contacts of the Slavic peoples, papers for the Fifth International Congress of Slavists] Istorychni zv'iazky slov'ians'kykh narodiv, zbirnyk statei do V mizhnarodnoho kongresu slavistiv. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 291 p.

RUSSIA—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

Only facts. I. Epshtein. Isk. kino 33 no.7:147, 156-159 '63.

RUSSIA—RELATIONS (GENERAL) WITH GERMANY

Scientific and cultural contacts of the U. S. S. R. with the Weimar Republic [with summary in English, p. 221]. Guenter Rosenfeld. Vop. ist. 38 no.10 71-83 O '63.

RUSSIA—RELATIONS (GENERAL) WITH INDONESIA

Shoulder to shoulder. E. A. Martalogava. Kul't. i zhizn. 7 no.10:25-26 '63.

RUSSIA—RELATIONS (GENERAL) WITH POLAND

W. Broniewski and Soviet culture. V. A. Khorev. Lit. slav. nar. 9:177-185 '63.

RUSSIA—RELATIONS (GENERAL) WITH THE UNITED STATES

Important landmark in the development of Soviet-American relations. I. I. Artobolevskii. Mir. nauki no. 4:15-17 '62.

Visit to the United States of a delegation of church officials from the U. S. S. R. A. I. Mitskevich. Brat. veat. no. 4:9-14 '63.

RUSSIA—REVOLUTION, 1917-1921

Before the revolutionary storm. I. T. IAkhnovskii. Mor. sbor. 46 no.7:49-53 Jl '63.

Bonch-Bruevich, V. D. [Selected works in three volumes] Izbrannye sochineniia v trekh tomakh. Red. kollegiia. N. A. Smirnov i dr. Moskva, Izd-vo Akad. nauk SSSR.

Vol. 3, [Reminiscences about V. I. Lenin, 1917-1924] Vospominaniia o V. I. Lenine, 1917-1924 gg. 1963. 444 p.

Kameney, S. S. [Notes on the civil war and the organization of the armed forces] Zapiski o grazhdanskoi voine i voennom stroitel'stve; izbrannye stat'i. Sost. N. S. Kameneva, L. M. Spirin, P. P. Chernushkov. Moskva, Voenizdat, 1963. 261 p.

Meetings on the roads of the revolution (to be concluded). I. V. IAnkovskii. Ogonek 41 no.38 26-28 S '63.

New documentary materials showing the number and composition of the revolutionary military units of Petrograd in October 1917. T. F. Avramenko. Ist. arkh. 8 no.2,226-227 Mr-Ap '62.

Night in Gatchina. M. Roshal'. Sem'ia i shkola 18 no.11 33 N '63.

Times are shaking hands. V. Bykov. Mol. kolkhoz. no.10: 39-42 O '63.

Trip into the heroic years. L. Margolin. Sov. profsoiuzy 19 no.17 28-30 S '63.

Triumphant march of the ideas of the Great October Revolution. Mor. sbor. 47 no.11 3-9 N '63.

"V. I. Lenin's everyday work in the field of foreign relations, 1917-1920" by M. I. Trush. Reviewed by A. L. Ugrimov. Vop. ist. 38 no.10 132-133 O '63.

Verbatim report of a conference of nonparty delegates to the Ninth All-Union Congress of the Soviets. Submitted by P. IA. Gurov, D. V. Romanovskii. Ist. arkh. 8 no.2: 59-79 Mr-Ap '62.

RUSSIA—REVOLUTION, 1917-1921—CAMPAIGNS

At the sources of a song (conclusion). A. Stepanov. Kryl. rod. 14 no.10 35-37 O '63.

RUSSIA—REVOLUTION, 1917-1921—PERSONAL NARRATIVES

Execution of the white ataman. IUlian Semenov. Ogonek 41 no.33,26-28 Ag '63.

People of a legendary epoch. A. Kadishev. Nov. mir 39 no.2,268-272 F '63.

RUSSIA—SOCIAL CONDITIONS

Return of Vladimir D. L. Andreev. Sov. Soiuz no.10: 48-49 '63.

RUSSIA—STATISTICS

Russia (1917- R. S. F. S. R.) TSentral'noe statisticheskoe upravlenie. [The R. S. F. S. R. in 1962, a concise statistical abstract] RSFSR v 1962 godu, kratkii statisticheskii sbornik. Moskva, Gosstatizdat, 1963. 236 p. (CStmoR)

RUSSIA, NORTHERN—ARCHITECTURE AND CLIMATE

Practical significance of climatic factors and some deficiencies in meteorological observations in the northern U. S. S. R. A. I. Dement'ev. Sbor. nauch. rab. DVNIIS no.1:71-74 '61

RUSSIA, NORTHERN—CRAWLER TRACTORS

Means of trackless land transportation in the Far North. V. K. Korsak. Probl. Sev. no. 5:107-129 '63.

RUSSIA, NORTHERN—ECONOMIC POLICY

In the interdepartmental Committee on the Problems of the North. B. F. Shapalin and others. Probl. Sev. no. 5 161-183 '63.

RUSSIA, NORTHERN—INDUSTRIES

In the Interdepartmental Committee on the Problems of the North. B. F. Shapalin and others. Probl. Sev. no. 5 161-183 '63.

Main problems in developing the most important branches of industry in northeastern U. S. S. R. G. I. Granik. Probl. Sev. no. 5:32-46 '63.

Several problems in developing the industry and transportation of the European part of the northern U. S. S. R. I. L. Freidin, L. S. Monakhovich. Probl. Sev. no. 5.19-31 '63.

RUSSIA, NORTHERN—IRON MINES AND MINING

Iron-ore base of the ferrous metallurgy of the northwestern U. S. S. R. N. V. Ovchininskii, A. V. Turkin. Probl. Sev. no. 5.146-152 '63.

RUSSIA, NORTHERN—METEOROLOGY—OBSERVATIONS

Practical significance of climatic factors and some deficiencies in meteorological observations in the northern U. S. S. R. A. I. Dement'ev. Sbor. nauch. rab. DVNIIS no.1:71-74 '61.

RUSSIA, NORTHERN—MINING MACHINERY

Creating special mining machinery for the regions of the North. V. P. Loginov. Probl. Sev. no. 5:47-56 '63.

RUSSIA, NORTHERN—NATURAL RESOURCES—RESEARCH

Ways to improve the efficiency of developing the natural resources of the distant northern territories of the U. S. S. R., and research problems. S. V. Slavin. Probl. Sev. no. 5:5-18 '63.

RUSSIA, NORTHERN—TRANSPORTATION

Methodology for selecting the optimum type of land transportation for the northeastern U. S. S. R. E. A. Poliakov. Probl. Sev. no. 5:84-106 '63.

Several problems in developing the industry and transportation of the European part of the northern U. S. S. R. I. L. Freidin, L. S. Monakhovich. Probl. Sev. no. 5.19-31 '63.

RUSSIA, NORTHERN—WHITEFISHES

[illegible]

RUSSIA, NORTHWESTERN—HARVESTING MACHINERY

[illegible]

RUSSIA, SOUTHERN—LEECHES

[illegible]

RUSSIAN ABBREVIATIONS See Abbreviations, Russian

RUSSIAN DRAMA—HISTORY AND CRITICISM

Rukhlova, V. P. [History of Russian drama at the end of the 19th and the beginning of the 20th century] Iz istorii russkoi dramy kontsa XIX-nachala XX veka [Tula], Izd-vo Tul'skogo gos. ordena Trudovogo Krasnogo Znameni pedagogicheskogo instituta im. L. N. Tolstogo, 1962. 2 v. (TuGPI)

RUSSIAN FICTION—HISTORY AND CRITICISM

Akademiia nauk SSSR. Institut russkoi literatury. [History of Russian novel] Istoriia russkogo romana. M.-L., Izd-vo Akad. nauk SSSR, 1962. 2 v. (GrAFU)

RUSSIAN LANGUAGE

[illegible] Russian language. Sovet. shkola 18 no. 11 111-[illegible] '63.

RUSSIAN LANGUAGE—ADJECTIVE

Grammatical characteristics of compound adjectives. A. I. Kaidalova. Ves. Mosk. un. Ser. 7. Filol., zhur. 18 no. 5 48-58 S-O '63.

RUSSIAN LANGUAGE—AUDIO-VISUAL AIDS

Briefly noted. Rus. iaz. v shkole 24 no. 5 119-120 S-O '63.

Russia (1923- U. S. S. R.) Uchit.-metodicheskoe upravlenie po vuzam. [Russian language for foreign students, methodological articles on the use of audio-visual aids in teaching the Russian language to foreign students] Russkii iazyk dlia studentov-inostrantsev; sbornik metodicheskikh statei po ispol'zovaniiu tekhnicheskikh sredstv pri obuchenii russkomu iazyku studentov-inostrantsev. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 223 p.

RUSSIAN LANGUAGE—CASE

Variant forms of the cases of nouns. IA. Domin. Rus. iaz. v shkole 24 no. 5 18-22 S-O '63.

RUSSIAN LANGUAGE—CONJUNCTIONS

Conjunction "nesmotria na to, chto." L. I. Rolzenzor. Rus. iaz. v shkole 24 no. 5, 30-32 S-O '63.

RUSSIAN LANGUAGE—DIALECTS

(see also subdivision under Bryansk Province, Latvia, Pskov Province)

Dialectal words in the first explanatory dictionaries of the Russian language. A. I. Fedorov. Pskov. gov. no. 1, 299-309 '62.

Nouns with the suffixes "-ukh-a" and "-ush-a" in Russian dialects. A. S. Gerd. Pskov. gov. no. 1 119-128 '62.

RUSSIAN LANGUAGE—DICTIONARIES

Akademiia nauk SSSR. Institut russkogo iazyka. [Orthographic dictionary of the Russian language, approximately 104,000 words] Orfograficheskii slovar' russkogo iazyka. Okolo 104 000 slov. Izd. 5., ispr. i dop. Moskva, Gos. izd-vo inostr. i natsional'nykh slovarei, 1963. 1040 p.

"Correctness of Russian speech". Use of dictionary and handbook. Reviewed by IU. A. Bulichko., V. P. Vomperskii. Rus. iaz. v shkole 24 no. 5 113-118 S-O '63.

The language used by a propagandist. N. Moiseev. Polit. samoobr. 7 no. 11 107-116 N '63.

[illegible]ARIES—POLISH

[illegible]s. [Concise Polish-[illegible]technical dictionary] [illegible]-pol'skii politekhnicheskii

RUSSIAN LANGUAGE—FOREIGN WORDS AND PHRASES

On the term "sopets" or "sapets" meaning rudder or helm. B. L. Bogorodskii. Pskov. gov. no. 1:179-192 '62.

RUSSIAN LANGUAGE—GRAMMAR

Bednikov, A. S., and A. S. Matnichenko. [The Russian language; a textbook for non-Russian normal schools] Russkii iazyk, uchebnoe posobie dlia nerusskikh pedagogicheskikh uchilishch. Izd. 4., ispr. Moskva, Gos. ucheb.-pedagog. izd-vo, 1962-

Pt. 1. [Vocabulary, phonetics, and morphology] Leksika, fonetika i morfologiia. (MiNC)

Brief notes on books. Rus. iaz. v shkole 24 no. 5:119-120 S-O '63.

Games and materials on entertaining grammar. G. A. Pano. Rus. iaz. v shkole 24 no. 5 71-73 S-O '63.

Literature on scheduled subjects. Rus. iaz. v shkole 24 no. 5 74 S-O '63.

Purposeful review exercises. V. K. Lotarev. Rus. iaz. v shkole 24 no. 5 49-55 S-O '63.

Stakhovskii, N. N. [Textbook of Russian for secondary special schools] Uchebnoe posobie po russkomu iazyku dlia srednikh spetsial'nykh uchebnykh zavedenii [L'vov] Izd-vo L'vovskogo univ., 1963. 210 p.

Training the students' interest in the study of grammar. T. V. Napol'nova. Rus. iaz. v shkole 24 no. 5 34-37 S-O '63.

RUSSIAN LANGUAGE—INFINITIVE

Some syntactic functions of the infinitive. O. P. Ermakova. Izv. AN SSSR. Ser. lit. i iaz. 22 no. 5 415-422 S-O '63.

RUSSIAN LANGUAGE—INTONATION

Blinov, I. IA. [Expressive word of a literature teacher] Vyrazitel'noe slovo uchitelia — slovesnika. Moskva, Uchpedgiz, 1963. 69 p.

RUSSIAN LANGUAGE—LEXICOLOGY

Leningrad. Gosudarstvennyi pedagogicheskii institut imeni A. I. Gertsena. [Historical lexicology of the Russian language] Voprosy istoricheskoi leksikologii russkogo iazyka. Leningrad.

Pt. 1. 1962. 263 p. (Its Uchenye zapiski, vol. 231)

Leningrad. Universitet. [From the history of words and dictionaries; studies on lexicology and lexicography] Iz istorii slov i slovarei; ocherki po leksikologii i leksikografii. [Leningrad] 1963. 182 p.

RUSSIAN LANGUAGE—MACHINE TRANSLATING

Synthesis of sentences in Russian with the aid of machines. Part 2. N. G. Arsent'eva. NTI no. 7 21-29 '63.

RUSSIAN LANGUAGE—NOUN

Fluctuations in the number of nouns. D. I. Arbatskii. Rus. iaz. v shkole 24 no. 5 13-17 S-O '63.

Variant forms of the cases of nouns. IA. Domin. Rus. iaz. v shkole 24 no. 5 18-22 S-O '63.

RUSSIAN LANGUAGE—OLD RUSSIAN—MOOD

Complex sentences without conjunctions expressing cause and effect in Old Russian of the 16th and 17th centuries. L. A. Glinkina. Izv. AN SSSR. Ser. lit. i iaz. 22 no. 5 403-414 S-O '63.

RUSSIAN LANGUAGE—OLD RUSSIAN—SENTENCES

Complex sentences without conjunctions expressing cause and effect in Old Russian of the 16th and 17th centuries. L. A. Glinkina. Izv. AN SSSR. Ser. lit. i iaz. 22 no. 5 403-414 S-O '63.

RUSSIAN LANGUAGE—ORTHOGRAPHY

Orthography. Rus. iaz. v shkole 24 no. 5:80-102 S-O '63.

RUSSIAN LANGUAGE—PARTICIPLE

Declension of participles. L. A. Laptcva. Rus. iaz. v shkole 24 no. 5 16-18 S-O '63.

RUSSIAN LANGUAGE—SENTENCES

Place of infinitive sentences among single member sentences. K. A. Timofeev. Rus. iaz. v shkole 24 no. 5: 108-109 S-O '63.

RUSSIAN LANGUAGE—SPOKEN RUSSIAN

Do we speak correctly? V. Ivanova, F. Sergeev. Sov. radio i tel. 11 no. 6:19 Je '62.

The language used by a propagandist. N. Moiseev. Polit. samoobr. 7 no. 11 107-116 N '63.

RUSSIAN LANGUAGE—STUDY AND TEACHING

[illegible]ews. Rus. iaz. v shkole 24 no. 5:110-112 S-O

[illegible]n in the Russian language classes. M. M. Chu[illegible]. Rad. shk. 42 no. 10:93-97 O '63

[illegible] between the Russian language classes and [illegible]jects in a school. M. V. Zaitsev. Rus. iaz. v [illegible]4 no. 5 37-40 S-O '63.

[illegible]n. Rus. iaz. v shkole 24 no. 5:121-127 S-O

Editor's mail. Rus. iaz. v shkole 24 no. 5 75-79 S-O '63.

How I achieve a complete success. T. Gureeva. Shkola-int. no. 5:20-23 '63.

[illegible]ankovskaia, A. V., and Z. I. Kriukova. ["ABC" instruction of six-year old [illegible] instructions for parents] Kak, o[illegible] obuchenie rebenka shesti let po "A[illegible] dlia roditelei. Izd. 3. Moskva, Gos[illegible] izd-vo, 1962. 31 p. (OU)

It is only a matter of method. V. I[illegible] Int. no. 5:21-27 S-O '63.

Problem of the Russian language [illegible] Rus. iaz. v shkole 24 no. 5 50-[illegible]

Summarizing a lesson. G. I. Blin[illegible] 24 no. 5 66-70 S-O '63.

Teaching of the Russian language in [illegible] higher learning. Rus. iaz. v shkole [illegible] S-O '63.

RUSSIAN LANGUAGE—STYLE

Correct speech and stylistic selection [illegible] elish'. P. G. Vinokur. Rus. iaz. v sh[illegible] 23-29 S-O '63.

K. A. Fedin's views on the culture of the [illegible] guage. V. P. Vomperskii. Vest. Mo[illegible] zhur. 18 no. 5:39-47 S-O '63.

Stylistic exercises during the study of [illegible] structions. M. T. Voronin. Rus. [illegible] no. 5 53-55 S-O '63.

RUSSIAN LANGUAGE—SYNTAX

Construction of sentences according to [illegible] a form of exercise during the study [illegible] Karpin, A. S. Rokitin. Rus. iaz. v [illegible] 58 S-O '63.

Some syntactic functions of the infinitiv[illegible] kova. Izv. AN SSSR. Ser. lit. i [illegible] S-O '63.

Syntactic function of a noun related to a [illegible] Ivanova. Rus. iaz. v shkole 24 no. [illegible]

Work line on the balanced parts of a [illegible] grade. I. I. Nikitina. Rus. iaz. v shkole [illegible] 46 S-O '63.

RUSSIAN LANGUAGE—VERB

Napol'nova, T. V. [Studying the [illegible] eight-year schools] Izuchenie glagola [illegible] vos'miletnei shkole. Moskva, Izd-vo [illegible] RSFSR, 1963. 108 p. (Pedagogicheskaia [illegible] uchitelia)

RUSSIAN LANGUAGE—WORD FREQUENCY

Manolova, V. P. [Transformations of [illegible] Russian language of the type S + S, [illegible] V + P + S] Transformatsii sintagm [illegible] tipa S + S, S + P + S, V + S, V + P [illegible] ... ut tochnoi mekhaniki i vychislitel'noi [illegible] nauk SSSR, 1962. 51 p. (Elektronnoe [illegible] mashiny) [With summary in English] (MH)

RUSSIAN LANGUAGE—WORDS

"All words bear the imprint of the [illegible]" [illegible] Donsk. vosp. 7b no. 10, 59-64 O '63.

RUSSIAN LITERATURE

(see also subdivision under Dubliny; Pol[illegible]

Aksenova, L. M. [For the good and the dive[illegible] tive individuality of the writer] Za [illegible] nykh, o tvorcheskoi individual'nosti pisa[illegible] mir] Vladimirskoe knizhnoe izd-vo, 1[illegible] (NNC)

Korsakas, Kostas. [The friendship of [illegible] Lietuvių draugystė, studijos, straip[illegible] kalbos, atsiminimai. Vilnius, Valstybinė [illegible] literatūros leidykla, 1962. 1 v. [In Lithuan[illegible] (MH)

RUSSIAN LITERATURE—BIBLIOGRAPHY See Bibliography—Russian literature

RUSSIAN LITERATURE—HISTORY AND CRITICISM

Academic session devoted to the history of [illegible] classical literature and its international [illegible] SSSR. Ser. lit. i iaz. 22 no. 5, 451-462 [illegible] D '63.

Chernyshevskii, Antonovich, and their [illegible] chnik i ego," N. Silaev. Oktiabr' 39 [illegible] D '63.

Fusion of generations. V. Kovalev. Sov. [illegible] no. 16:20 Ag '63.

I live among heroes. Vladimir Turkin. [illegible] [i. e. 45] no. 16 5-6 Ag '63.

Kraevskii, P. D., and A. A. Limarev. [Russian lite[illegible] a textbook for the 8th grade in non-Russian [illegible] schools] Russkaia literatura; uchebnik dlia 8 [illegible] nerusskoi srednei shkoly. Izd. 3. Minsk, [illegible] uchebno-pedagog. izd-vo, 1961. 303 p. (TxIIR)

Land of new addresses. N. Kozhevnikova, M. [illegible] tsev. Oktiabr' 39 no. 12:196-204 D '63.

Literary youth of Leningrad; about the collection [illegible] Leningrad." P. Glinkin. Zvezda no. [illegible] '[illegible]

Literature which shows me a new world. Alt[illegible] Uz. 35 no. 10:59-60 O '63.

RUSSIAN LITERATURE—HISTORY AND CRITICISM (Continued)

Lebanov, M. P. [Heart of the writer, a word about literature] Serdtse pisatelia, slovo o literature Moskva, "Sovetskaia Rossia," 1963 210 p (Literaturnaia Rossiia)
(NIC)

Oldest monument of Russian literature published and interpreted by a contemporary German scholar N N Rozov Izv. AN SSSR Ser lit i iaz 22 no 5 439-443 S-O '63

On the battlefront. IU. Barabash Kommunist 10 no. 17 68-76 N '63.

Pleasant meetings. L. Kostina. Sov. voin 15 no 21-36 N '63.

Pushkin, A. S. [On literature] O literature Moskva, Gos. izd-vo khudozh lit-ry, 1962 589 p
(CaAEU)

Shkerin, M. R. [The Soviet character; literary criticism] Sovetskii kharakter, literaturno-kriticheskie stat'i. Moskva, Sovetskii pisatel', 1963. 293 p.

Soiuz pisatelei SSSR. IAroslavskoe Otdelenie [Man walks the earth, present-day belles lettres] Chelovek idet po zemle, o sovremennoi khudozhestvennoi literature [IAroslavl'] IAroslavskoe knizhnoe izd-vo, 1962 168 p.
(NIC)

Sokolov, A. N., ed. [Against bourgeois and revisionist concepts of the history of Russian literature] Protiv burzhuaznykh i revizionistskikh kontsepsii istorii russkoi literatury [Moskva] Izd-vo mosk. univ., 1963. 121 p.
(NJR)

Sources of a heroic deed. IUrii Idashkin. Oktiabr' 39 no. 12:182-187 D '62.

V. Nazarenko's monograph "Language of art" V. Stakhov. Zvezda no 7:212-213 Jl '62.

RUSSIAN LITERATURE—TRANSLATIONS INTO JAPANESE

Japanese works devoted to the great author of Russian literature; notes on Gogol'. A. E. Gluskina. Krat. soob. Inst. nar. Az no. 64:106-114 '63.

RUSSIAN LITERATURE—TRANSLATIONS INTO MONGOLIAN

S. IA. Marshak in Mongolia. L. Lakhe. Sovr. Mong. 6 no 6 16-17 Jl [i. e. Je] '63.

RUSSIAN NEWSPAPERS
(see also subdivision under Kotovskoye District)

Relationship of the Third State Duma with the inquiries of the social-democratic faction regarding the persecution of "Pravda." P. E. Liubarov. Vest. Mosk. un. Ser. 7: Filol., zhur. 18 no. 5:94-96 S-O '63.

RUSSIAN NEWSPAPERS—INDEXES

[Chronicle of newspaper articles] Let. gazet. st. no 10 '63

RUSSIAN PERIODICALS

A conference at the editorial office of our periodical. Vop. ist. KPSS 7 no. 10:156-157 O '63.

World on thirty-two pages. D. F. Kraminov. Sov. Soiuz no 8 20-21 '63

RUSSIAN PERIODICALS—BIBLIOGRAPHY see Bibliography—Russian periodicals

RUSSIAN PERIODICALS—INDEXES

[Chronicle of periodical articles] Let. zhur st. nos. 39-43 '63.

RUSSIAN PLATFORM—GEOLOGY, STRATIGRAPHIC

Boundary of Kazan and Tatarian sediments and the division of Lower Ustia series in the northern part of the Russian Platform. N. A. Pakhtusova. Dokl. AN SSSR 152 no. 6:1432-1435 O '63.

RUSSIAN PLATFORM—GEOLOGY, STRUCTURAL

Convergence of the Ural Mountains and the Russian Platform. T. N Simonenko, M M Tolstikhina. Trudy VSEGEI 85:131-135 '63.

Permian arch of the sedimentary mantle of the eastern Russian Platform. M. F. Mirchink, R. O. Khachatrian, V. I. Gromeka. Dokl. AN SSSR 152 no. 4:960-963 O '63.

RUSSIAN PLATFORM—ROCKS, SEDIMENTARY

Secondary alterations in Ancient Paleozoic arenaceous-argillaceous sediments in the northwestern part of the Russian Platform. A. I. Lebedeva. Uch. zap. LGU no. 310:224-244 '62.

RUSSIAN PLATFORM—VOLCANIC ASH, TUFF, ETC.

Volcanic pipes in the Russian Platform. V. O. Ruzhitskii. Dokl. AN SSSR 152 no. 2:404-407 S '63.

RUSSIAN POETRY—HISTORY AND CRITICISM

And man? V. Gelcko. Oktiabr' 39 no. 12:175-179 D '62.

"Soldiers' roads are calling." Leonid Vysheslavskii. Sov. voin 44 [i. e. 45] no. 16.14 Ag '63.

Unknown poems of the prisoners of the Shlissel'burg Fortress. E. G. Bushkanets. Ist. arkh. 8 no. 2:203-210 Mr-Ap '62.

Verse and Kilometers. A. Urban. Oktiabr' 39 no. 12:179-182 D '62.

RUSSIAN POETRY—TRANSLATIONS INTO FRENCH

Rhythmic translation of Mayakovskii's poetry into French G. Onagvelidze. Trudy Tbil. GU 101 207-222 '62

RUSSIAN SATELLITES see Communist Countries

RUSSIAN SOCIAL DEMOCRATIC PARTY
(see also subdivision under Caucasus, White Russia)

Early history of our party. Vop. ist. KPSS 7 no 10 111-116 O '63.

In the language of a film. Evgenii Kriger. Isk. kino 33 no 7 3-7 '63.

Path of the party, path of the people; on the 60th anniversary of the Second Congress of the Russian Social Democratic Party. Isk. kino 33 no. 7 1-2 '63

Problems in the description of publications of the Russia Social Democratic Party and their representation in the alphabetic catalog. M. I. Pshedetskii. Sov. bibl. no. 5 37-42 '63.

Turning point in the Russian and international labor movement. M. Volin. Polit. samoobr 7 no 7 57-67 Jl '63.

Valuable monuments of Marxist propaganda. V. A. Tvardovskaia. Vop. ist. KPSS 7 no. 10 91-93 O '63.

Work of the Bolsheviks in the rural areas of the central Volga Valley during the First Russian Revolution. A. V. Fedorov. Vop. ist. KPSS 7 no. 10 132-134 O '63.

Work of the secretariat of the Central Committee of the Russian Social Democratic Party in Smolnyy. V. V. Anikeev. Vop. arkh. 8 no. 3 36-39 Ap-Je '63.

RUSSIAN SOCIAL DEMOCRATIC PARTY—CONGRESSES

A congress which carried out Il'ich's dreams. N. V. Chernopenin. Vop. ist. KPSS 7 no. 10 150-152 O '63.

Glorious date, the 60th anniversary of the Second Congress of the Russian Social Democratic Party. Rad. pravo no. 4 3-9 Jl-Ag '63.

The 60th anniversary of the Second Congress of the Russian Social Democratic Party. Mor. sbor. 16 no. 7.5-8 Jl '63.

RUSSIAN STUDIES see subdivision under Germany, West Italy

RUSSIANS—ANTHROPOMETRY

Factor analysis and its use for studying the relation of some anthropometric characters of Russians and Buryats. V. P. Chtetsov. Prim. mat metod v biol no. 2 100-106 '63.

RUSSO-TURKISH WAR, 1877-1878

Kurds and the Russo-Turkish War of 1877-1878. Dzhalile Dzhalil. Krat. soob. Inst. nar. Az. no. 56,64 59 '63.

RUTHENIA see Transcarpathia

RUTILE—ELECTRIC PROPERTIES

Change of the type of conductivity of rutile ceramics and rutile single crystals in the process of electric aging. V. IA. Kunin, IU N Sedunov, A. N TSikin. Fiz. tver. tela 5 no. 10 2771-2774 O '63.

RYAZAN—SKIN—DISEASES

Study of the state of the skin in workers of the Ryazan Artificial Fiber Plant. N. S. Potekaev, L. P. Mikolaeva Vest. derm. i ven. 36 no. 10 29-31 O '62.

RYAZAN PROVINCE—ALCOHOLISM—PREVENTION

Principles of the organization of antialcoholism work in a network of somatic and psychoneurological institutions [with summary in English]. P. K. Simonov. Trudy Gos. nauch.-issl. inst psikh. 38.377-383 '63.

RYAZAN PROVINCE—LIBRARIES

Follow-up on our articles Polit. samoobr. 7 no. 11:144 N '63.

RYAZAN PROVINCE—PLANT COMMUNITIES

Wooded-steppe vegetation in the southwestern part of Ryazan Province. V. A. Sokolova. Nauch. dokl. vys. shkoly, biol. nauki no. 4,127-131 '63.

RYAZAN PROVINCE—PSYCHIATRY—STUDY AND TEACHING

Results of training psychiatrists at a local base in Ryazan Province. A. K Strelikhin and others Zhur nevr i psikh 63 no. 2:313-314 '63

RYAZAN PROVINCE—SCHIZOPHRENIA

Secondary prophylaxis of schizophrenia in a provincial psychiatric neurological dispensary, a district hospital, and a rural medical center [with summary in French]. E D Krasik. Zhur. nevr. i psikh. 63 no. 2 288-294 '63.

RYAZHSK DISTRICT—VEGETABLE TRADE

On the right course. IU. Bezelianskii. Sov. potreb. koop. 7 no. 8 5-8 Ag '63.

RYBAKOV, IVAN FEDOTOVICH, 1890-1963

I. F. Rybakov; obituary. Vest. LGU 18 no. 17:136 '63.

RYBINSK REGION—FOREST ECOLOGY

Growth and death of pine, birch, and spruce roots under periodical flooding by soil water. A. IA. Orlov. Soob. Lab lesoved. AN SSSR no 6.62-82 '62.

RYE

Sowing winter crops in bean interrows. P Kostrov, N Chekanova. Tekh. v sel'khoz. 23 no. 8.27-30 Ag '63.

RYL'S'KYI, MAKSYM, 1895-

"Studying the works of Maksym Ryl's'kyi in schools" by V M Borshchevs'kyi Reviewed by P IU Danylko Ukr. mova i lit. v shkoli 13 no. 7 84-86 '63.

SABIR, pseud. see Taib-Zade, Mirza-Alekber, 1862-1911

SABLES see subdivision under Ural Mountain region

SABSAI, PETR VLADIMIROVICH, 1893-

Works by P. Sabsai. D. Novikova. Iskusstvo 26 no. 10 19-24 '63.

SACCO-VANZETTI CASE

In defense of Sacco and Vanzetti. E. F. IAzykov. Vop. ist. 38 no. 10 186-188 O '63.

SAIGA

Morphohistological structure of the tongue of saiga. V. E. Sokolov, O. V. Volkova. Vest. Mosk. un. Sci. 6 Biol., pochv. 18 no. 6 35-37 N-D '63.

SAILORS (NAVY)

Arrests of Russian revolutionary sailors in Egypt in 1907 and 1913. M. Churakov. Afr. sbor. no. 1:130-142 '63.

Diversify the forms of methodological work. S. M. TSyganov. Mor. sbor. 17 no. 11 52-55 N '63.

SAINFOIN see subdivision under Ukraine

SAINFOIN—VARIETIES see subdivision under Ukraine

SAKHALIN—COASTS

Abrasion area of Sakhalin Island. S. M Alekseandrov. Vest Mosk. un Ser 5: Geog. 18 no 6 40-41 N-D '63.

SAKHALIN—DOGFISH

Some data on the spiny dogfish of the eastern shores of southern Sakhalin. N. S. Fadeev. Izv. TINRO 46:217-240 '60.

SAKHALIN—FISH, SALT

More new types of fishery products. K. P. Pankratov. Ryb. khoz. 38 no. 11 69-70 '62.

SAKHALIN—FISHES

Notes on some fishes occurring at the shores of Sakhalin. A. D. Dmzhinin Izv. TINRO 46 213-246 '60.

SAKHALIN—OCEAN TEMPERATURE

A case of sudden cooling of waters in summer at the southwestern shores of Sakhalin. E. K. Shelegova. Izv. TINRO 46 249-251 '60.

SAKHALIN—RIVERS

Influence of river dimensions on the preservation of terraces (southern Sakhalin). V. I. Klenov. Vest. Mosk. un. Ser. 5 Geog. 18 no. 5:78 S-O '63.

SAKHALIN—TERRACES (GEOLOGY)

Influence of river dimensions on the preservation of terraces (southern Sakhalin). V. I. Klenov. Vest. Mosk. un. Ser. 5 Geog. 18 no. 5:78 S-O '63.

SAKHALIN—WILD RICE

Wild rice on Sakhalin. L. M. Ben'kovskii. Priroda 52 no. 9:98-99 '63.

SAKHALIN PROVINCE see Sakhalin

SAKMARA VALLEY—PALEOBOTANY, STRATIGRAPHIC

Vegetation of the Sakmara River basin in the second half of Upper Pleistocene. N. IA. Khvalina. Nauch. dokl. vys. shkoly, biol. nauki no 1 122-126 '63.

SALES MANAGEMENT see subdivision under Yaroslavl Province

SALGIR VALLEY—VEGETATION AND CLIMATE

Vegetation of the floodplains in the lower reaches of the Salgir and Indol Rivers of the Crimean portion of the Sivash region. Part 3 [with summary in English]. M. D. Skalygina. Vest. LGU 18 no. 18:129-143 '63.

SALINE AND ALKALI SOILS
(see also subdivision under Buzskiy Massif)

Rice in salinized soils. A. P. Dzhulai. Zemledelie 25 no. 10:24-28 O '63.

SALIVA

Importance of the study of unconditioned reflex salivation in differential diagnosis of tumors of the frontal lobe and posterior cranial fossa [with summary in French]. T. S Malysheva Zhur nevr. i psikh. 63 no. 2:177-180 '63

SALMON
[illegible] (Salmo salar) in Baltic Sea, Pacific Ocean)
[illegible] (trout plaice) in steel pol[illegible] [illegible] A. I. Fedotov and [illegible], Il 14-22 '62

SALMONELLA
Cattle phage type of Salmonella as Salmonella carriers and [illegible] of [illegible] I. G. Zahatevs'kyi [illegible] pryrodn. 6 no. 4 115-117 Ap '63

Recovery of Salmonella from the feces of persons sick [illegible] M. G. Gel'berger, [illegible], Mos. nauch.-issl. inst. san. i gig. no. 4, 71-74 '60

SALT
[illegible] Blue Lagoon the salt [illegible] of [illegible] I. M. Rodin, N. I. Ivanova, [illegible] [illegible] pri [illegible] 2 '62

Investigation in the liquid phase of [illegible] I. M. Rodin, N. I. Ivanova, Izv. vys. ucheb. zav[illegible] 147-52 '62.

[illegible] [illegible] [illegible] of salts, sodium chloride [illegible] [illegible] Trudy VNIIZHT no. 26 129-136 '62

Using [illegible] for photometry to determine the NaCl content of petroleum. M. I. Bogomolova, A. A. Petukhova, [illegible] za[illegible], neft' i gaz 5 no. 1 73-81 '62

SALT FISH see Fish, Salt

SALT-FREE DIET
For [illegible] salt-free diet on arterial pressure and muscular [illegible] in hypertension [with summary in English] V. I. Petrushe. Vop. pit. 22 no. 1 22-28 Ja-F '63

SALTS
Interaction of potassium tantalite with salts of certain metals. V. P. Ignat'ev, V. I. Bezrukov, L. G. Vlasov. Vest. Leningr. un-ta. Ser. 2 Khim. 18 no. 5 32-34 S-O '63

Study of magnesium salts with the purpose of using them as [illegible]-containing lubricants. M. M. Fialko, V. I. Dmitriev, Khim. i tekh. topl. i masel 8 no. 10 22-26 O '63

SAMARIUM
Sam[illegible] of pressure of metallic samarium. O. G. Polimatidi, G. I. No[illegible] Zhur. ob. Khim. 33 no. 8 2768-2769 Ag '63.

SAMARKAND—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK
More on the creative aspect of the work in seminars. O. Usov. Polit. samoobr. 7 no. 9 100 S '63

SAMARKAND—LECTURES AND LECTURING
A group of lecturers attached to the office of the house [illegible] [illegible] M. M. Ivichenko. Part. zhizn' [Uzb.] 6 no. 2 68-71 F '63

SAMPLING (STATISTICS)
Pattern of the formation of the sampling aggregate. V. Korotkov. Vest. stat. no. 10 42-49 '63.

Statistical verification of the counting method in the quantitative [illegible] of plankton samples. S. B. Vel'dre. Prim. mat. metod. v biol. no. 2 124-131 '63.

SANATORIUMS see subdivision under Rostov-on-Don; Zaporozh'ye

SAND
(see also subdivision under Siberia, Western)

Calculation of sand cushions. N. K. Karanov, B. I. Dalmatov. Osn., fund. i mekh. grun. 5 no. 4 24-25 '63.

Determination of the shape of sand grains by the use of a vibrating [illegible]. E. V. Rukhina, D. K. Kashik, M. S. Dmitriev. Uch. zap. LGU no. 310 55-67 '62

Effect of luminophore and agaroid films on the hydrochemical [and hydromechanical] properties of colored sands. N. A. Atbulatov, V. V. Patrikeev. Okeanologiia 3 no. 5 921-924 '63.

Experience in the determination of the amount of sand sediments heaving along the coast. G. A. Orlova. Okeanologiia 3 no. 5 924-929 '63.

Use of arc screens for the classification of sand and gravel materials. Iu. V. Bubis, V. M. Zon. Stroi. mat. 9 no. 7 11-13 Jl '63.

SAND, FOUNDRY
Making steel castings with the use of sand-marshallite molding mixtures. Iu. P. Vasin. Izv. vys. ucheb. zav.; chern. met. 6 no. 9, 185-188 '63.

SAND AND GRAVEL INDUSTRY
Obtaining keramzit sand by crushing gravel in S-599 and S-373 crushers. V. P. Lebedev. Stroi. mat. 9 no. 7-8 Jl '63.

SAND-LIME PRODUCTS
(see also subdivision under Soviet Central Asia)

Wider application of lime-sand products and cementless concretes of autoclave solidification. Biul. stroi. tekh. 20 no. 6 6 Ag '63.

SANDBARS
Changes in the forms of bottom sand bars during the course of a flood. N. S. Znamenskaia. Meteor. i gidrol. no. 10 23-27 O '63.

SANDBLAST—EQUIPMENT AND SUPPLIES
The 346 semiautomatic bench sandblasting machine. N. S. Chapchikov. Avt. prom. 29 no. 8 46 Ag '63

SANDSTONE
Correlation of the results of granulometric analyses of sand rocks in thin-sections, louse preparations, or by the use of the sieve method. V. N. Shvanov, A. B. Markov. Uch. zap. LGU no. 310 68-80 '62.

SANDSTONE—CLASSIFICATION
Classification of sand rocks based on mineralogical composition. A. G. Kossovskaia. Uch. zap. LGU no. 310 111-122 '62.

SANDWICH CONSTRUCTION
Investigating the state of stress of some sandwich structures. V. I. Naumov. Trudy TSNII MPS no. 267 124-132 '63.

SANDWICH CONSTRUCTION—THERMAL PROPERTIES
Equations of unsteady temperature fields in sandwich plates with an unsymmetric structure [with summary in English] N. G. Tamurov. Inzh.-fiz. zhur. 6 no. 10 72-75 O '63.

SANITARY ENGINEERING
Dubrovkin, S. D. [Study of the characteristics of plastic pipelaying in water supply and sewer syatems in apartment houses] Issledovaniia osobennostei prokladki plastmassovykh truboprovodov v sistemakh vodosnabzheniia i kanalizatsii zhilykh zdanii. Moskva, Sviaz'izdat, 1961. 49 p. (Moscow. Glavnoe upravlenie po zhilishchnomu i grazhdanskomu stroitel'stvu. Nauchnoe soobshchenie, no. 32)

SANITARY ENGINEERING—EQUIPMENT AND SUPPLIES
[Album of recommended new construction equipment] Al'bom novoi stroitel'noi tekhniki rekomenduemoi k vnedreniiu. Moskva, Gosstroiizdat
No. 7 [Sanitary equipment] Sanitarno-tekhnicheskoe stroitel'stvo. 1963. 84 p.

Sanitary-engineering apparatus and equipment. Iu. S. Lenchevskii. Biul. stroi. tekh. 20 no. 10 40-42 O '63.

SANITARY ENGINEERING—RESEARCH
Sanitary Engineering Institute. V. P. Mizikin. Izv. ASIA no. 4 124-125 '61.

SANITARY ENGINEERING—STANDARDS
Sanitation standards for designing industrial enterprises. Biul. stroi. tekh. 20 no. 10 18-21 O '63.

SANITARY MICROBIOLOGY
Some remarks on standardized sanitary bacteriological examinations. N. G. Gel'berger. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4, 11-14 '60.

SANITATION—CONGRESSES
First All-Russian Congress of Hygienists and Sanitation Specialists, held at Omsk on October 6-10, 1960. T. N. Moskvina, A. M. Khakimova. Kaz. med. zhur. no. 1 99-100 Ja-F '61.

ŠANTIĆ, ALEKSA, 1868-1924
Aleksa Šantić and Serbian democratic poetry at the end of the 19th century. R. F. Doronina. Lit. slav. nar. 8 142-169 '63.

SAPOZHOK—TEXTILE INDUSTRY
Moscow. Nauchno-issledovatel'skii institut khudozhestvennoi promyshlennosti. [Sapozhok folk weaving] Sapozhkovskoe narodnoe tkachestvo. Moskva, Vses. kooperativnoe izd-vo, 1960. 38 p. chiefly illus. (City)

SARATOV—BEARING INDUSTRY—TECHNOLOGICAL INNOVATIONS
Search for potentials in the working area. R. Atapina, A. Ushanets. Sov. profsoiuzy 19 no. 19 6-8 O '63.

SARATOV—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK
Do not repeat old mistakes. V. Demichev. Polit. samoobr. 7 no. 9 101-102 S '63.

SARATOV—PETROLEUM REFINERIES
Operation of settling basins at the Saratov Refinery. A. I. Bereza, V. V. Alekseev, V. M. Andreev. Khim. i tekh. topl. i masel 8 no. 10 27-29 O '63.

SARATOV PROVINCE—AUDITING AND INSPECTION
Militant aids of Soviet statisticians. D. Vertikov, V. Bredov. Vest. stat. no. 10 68-69 '63.

SARATOV PROVINCE—CALVES
Calf raising methods and their economic evaluation. N. A. Cherviak. Dokl. i soob. VNIESKH no. 16, 40-46 '63.

SARATOV PROVINCE—PENSIONS
From urban section to rural section and [illegible] tion to urban section. M. Osipian. [illegible] no. 8 13-14 Ag '63

SARATOV REGION—ZOOGEOGRAPHY
Faunistic differences in adjacent physiographic regions in the Saratov area of the [illegible]. N. I. Larina, V. P. Denisov, L. V. [illegible] dokl. vys. shkoly, biol. nauki no. 1 81-[illegible]

SARCOSPORIDIA
Differential diagnosis in some parasitic diseases [illegible] cosporidiosis and trichinellinata). [illegible] Sbor. stud. rab. MTIMMP no. 7 80-84 '62.

SARDINES see subdivision under Maritime [illegible]

SARKISIAN, ARA MIGRANOVICH, 1903-
Tikhanova, V. A. Ara Sarkisian. Moskva, Akademiia zhivopisi i vaianiia SSSR, 1962. 136 p. illus., plates. (Mit)

SATELLITES, ARTIFICIAL see Artificial [illegible]

SATIRE
Isolated issues; a feuilleton. Agitator [illegible] '63.

SAUDI ARABIA—FOREIGN RELATIONS—KUWAIT
Expectations of the people were not [illegible] kov. Mezhdunar. zhizn' 10 no. 12 [illegible]

SAUNY see subdivision under Karelia-Finland

SAUSAGES
Investigating the colorimetric determining of [illegible] smoked sausage with the use of 1-anilino-[illegible] Kurko, E. A. Khmel'nitskii. Izv. vys. ucheb. zav. tekh. no. 4 154-158 '63.

SAUSAGES—MICROBIOLOGY
Effect of the aging of smoked raw sausage [illegible] ment of some types of microflora. [illegible] M. D. Panova. Sbor. stud. rab. MTIMMP [illegible] '62.

SAUSAGES—PACKAGING
Use of high-polymeric materials for sausage [illegible] B. S. Chernyshev and others. Sbor. stud. rab. [illegible] no. 7 12-17 '62.

SAVINSKII, VASILII EVMENIEVICH, 1859-1937
Savinskii, V. E. [Drawings and watercolors] [illegible] akvareli. Leningrad, Khudozhnik RSFSR, [illegible]

SAVITSKII, KONSTANTIN APOLONOVICH, 1844-1905
Leventsish, E. G. Konstantin Apollonovich Savitskii, 1844-1905. Leningrad, Iskusstvo, 1939. 177 p. (Mit)

SAWFLIES
(see also subdivision under Cephalidae)

Feeding of the imago of the Adoxa sawfly [illegible] sobrina Klug (Hymenoptera, Tenthredinidae) on juice of leaves and flowers of Heracleum sosnowskyi. V. M. Iermolenko. Pratsi inst. zool. AN [illegible] '61.

SAWMILLS
(see also subdivision under Karelia)

Sawmill of the future. L. Z. Lurie. Les. prom. [illegible] no. 6, 12-14 Je '62.

SAWMILLS—STANDARDS
Standardization of log frames. R. F. Kolliver, [illegible] Rudnik, A. A. Tarakanova. Standartizatsiia [illegible] 19-22 Ag '63.

SAWS
Nature of the deformation of frame saw blades [illegible] spot of rolling. V. F. Ponkin. Der. prom. [illegible] 28 Ag '63.

SAWS—FOUNDATIONS
Controlling the vibration of the foundations of [illegible] A. A. Sannikov. Les. prom. 40 no. 5-6 [illegible]

SAWS—MAINTENANCE AND REPAIR
Equipment for repairing the ignition system of the "Druzhba" saw. V. G. Porshin, L. N. Belov[illegible] prom. 40 no. 6 19-22 Je '62.

SAWS—STANDARDS
New standard for gang saws. S. M. Khaslan, F. P. [illegible] Les. prom. 40 no. 6 15-16 Je '62.

SAWS—TESTING
Measuring the wear of frame saw teeth by the use of a large projector. E. M. Borovikov. Der. prom. [illegible] 16-17 Ag '63.

SAXIFRAGE
Mechanical principles of plant structure as exemplified by some alpine saxifrages. E. N. Ivanenkaia. [illegible] 48 no. 9 1353-1356 S '63.

SAXONY—HISTORY

Social struggle in the mining regions of Saxony in the late 15th and the early 16th century and during the Great Peasant War (to be concluded). M. M. Smirin. Sred. veka no. 24 137-150 '63.

SAYAN MOUNTAIN REGION—GEOLOGY, STRUCTURAL

Intermontane depressions in the Altai-Sayan fold area and adjacent geosynclinal troughs. E. N. IAnov. Trudy VSEGEI 85:110-130 '63.

SAYAN MOUNTAINS—GEOLOGY

Volokitov, I. M., and V. M. Ivanov. [Lysaya gabbro-pyroxenite-dunite intrusive complex in the Western Sayan Mountains] Lysogorskii gabbro-piroksenit-dunitovoi [sic] intruzivnyi kompleks Zapadnogo Sayana, Otv. red. IU. A. Kuznetsov. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 99 p. (Trudy Instituta geologii i geofiziki)

SAYAN MOUNTAINS—TRACHYBASALT

Platonic analogues of trachybasalt formations as revealed by the study of the Kizir Massif (Eastern Sayan Mountains). A. P. Lebedev, O. A. Bogatikov. Izv. AN SSSR, Ser. geol. 28 no. 10:15-29 O '63.

SAYAT'-NOVA, 1712-1795

Galsar'ian, S. Z. [Sayat'-Nova; notes on the life and works of the great Armenian poet] Sayat'-Nova, zametki o zhizni i tvorcheskom velikogo armianskogo poeta. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. VI Seriia: Literatura i iskusstvo, no. 11)

Sayat'-Nova. Suren Galsarian. Sov. Soiuz no. 10:12 '63.

SAYLYUGEM RANGE—SLOPES (PHYSICAL GEOGRAPHY)

Precipitation influence on the natural slope complexes in the tundra-steppes of the Saylyugem Range. E. M. Rakovskaia. Vest. Mosk. un. Ser. 5, Geog. 18 no. 6,80-91 N-D '63.

CADIES

Clinical picture and therapy of otodectic mange in dogs. V. I. Potemkin. Trudy Mosk. vet. akad. 12:230-233 '55.

CALES (FISHES)

Age determination from scales and the age groups [Colotabis saira (Brevoort)] in the region of the southern Kurile Islands. IU. V. Novikov. Izv. TINRO 46:233-241 '59.

CANDIUM

Electronography of the oxidation of thin scandium films. O. P. Naumkin, D. V. Ignatov. Izv. AN SSSR Met. i gorn. delo no. 5,111-111 S-O '63.

Find of scandium in the remains of Tertiary fish bones. L. F. Borisenko. Trudy IMGRE no. 7:66-70 '61.

Moscow. TSentral'nyi institut informatsii tsvetnoi metallurgii. [Possible areas for the use of scandium] Vozmozhnye oblasti primeneniia skandiia. Moskva, 1963. 47 p. (Metallurgiia redkikh metallov) [MICROFILM]

CANDIUM ISOTOPES

Relation of the cross sections of formation of Sc^{44}, Sc^{44m} isomer pairs in reactions involving heavy ions [with summary in English]. V. V. Bredel', B. A. Gvozdev, V. A. Pomichev. Zhur. eksp. i teor. fiz. 45 no. 4: 904-909 O '63.

CANDIUM OXIDE

Phase relations in the system scandium oxide - aluminum oxide. N. A. Toropov, V. A. Vasil'eva. Dokl. AN SSSR 152 no. 6:1379-1382 O '63.

CATTERING (PHYSICS)

Calculating the real part of the scattering amplitude as the asymptotic behavior of the imaginary part varies according to a power law. I. I. Levintov. Zhur. eksp. i teor. fiz. 45 no. 4:1275-1277 O '63.

Diffusion and double Bragg scattering by copper polycrystals. V. I. Iveronova, A. A. Katsnel'son. Kristallografiia 8 no. 3:403-405 My-Je '63.

Multiple scattering theory (with summary in English). IU. N. Gnedin, A. Z. Dolginov. Zhur. eksp. i teor. fiz. 45 no. 4:1136-1149 O '63.

Optical properties of an object as mirrored in the wave field of the radiation scattered by it. IU. N. Denisiuk. Opt. i spektr. 15 no. 4,522-532 O '63.

Quasi-classical scattering in a centrally symmetric field [with summary in English]. A. Z. Patashinskii, V. L. Pokrovskii, I. M. Khalatnikov. Zhur. eksp. i teor. fiz. 45 no. 4:980-1002 O '63.

Scattering on dipoles. A. G. Samoilovich, M. V. Nitsovich. Fiz. tver. tela 5 no. 10:2981-2984 O '63.

CHIFF BASES

Schiff bases, derivatives of N,N-diethyl-p-phenylenediamine. R. B. Zhurin, D. I. Rodicheva, B. A. Chartorlikii. Zhur. ob. khim. 33 no. 10:3360-3364 O '63.

Spectropolarimetric study of Schiff's bases in the furan series. A. P. Terent'ev and others. Dokl. AN SSSR 152 no. 6:1373-1375 O '63.

SCHIZOPHRENIA
(see also subdivision under Ryazan Province)

Bioelectrical activity of the muscles and the temperature of the body in mental diseases with a catatonic syndrome. V. V. Savitskii. Zhur. nevr. i psikh. 62 no. 12:1832-1836 '62.

Chromatographic study of the amino acids of blood serum in schizophrenia patients [with summary in French]. L. I. Lando. Zhur. nevr. i psikh. 62 no. 12:1855-1862 '62.

Effect of a brain injury on the course of schizophrenia [with summary in French]. L. P. Lobova. Zhur. nevr. i psikh. 63 no. 2:254-258 '63.

Effect of piridrol on carbohydrate metabolism in schizophrenia patients and the possibility of its use in insulin therapy; Report No. 1 [with summary in French]. V. P. Kutin. Zhur. nevr. i psikh. 62 no. 12:1815-1820 '62.

Electrical activity of the cerebral cortex of schizophrenia patients of preschool age [with summary in French]. V. IA. Degtin. Zhur. nevr. i psikh. 62 no. 12:1837-1842 '62.

"Hypochondriac schizophrenia" by G. A. Rotshtein. A. K. Mikhailov. Zhur. nevr. i psikh. 63 no. 2 307-308 '63.

Penetration of radioactive phosphorus isotope into the cerebrospinal fluid in case of introduction through the mucosa of the nose in patients with schizophrenia and other mental diseases [with summary in French]. M. IA. Malzelis. Zhur. nevr. i psikh. 62 no. 12:1863-1867 '62.

Some variants of remission in the clinical aspects of schizophrenia during aminazine therapy [with summary in French]. T. L. Bortnik, A. S. Kalandarishvili. Zhur. nevr. i psikh. 63 no. 2,263-268 '63.

Transitory (preremission) states in schizophrenia. Report No. 2: Prognostic importance of postinsulin transitory states [with summary in French]. I. Z. Glinkis. Zhur. nevr. i psikh. 62 no. 12:1868-1873 '62.

True nature of febrile schizophrenia. I. B. Galant. Zhur. nevr. i psikh. 63 no. 2 303-305 '63.

SCHOOL EXCURSIONS
(see also subdivision under Ukraine)

Following the dynamic traditions of the Communist Youth League. G. Gurevich. Shkola-int. no. 5 29-30 S-O '63.

SCHOOL GARDENS

Kindergartens should have gardens. B. Bykov. Doshk. vosp. 36 no. 10:86-88 O '63.

SCHOOL HYGIENE

Attempt to analyze some of the causes for the different developments of the higher nervous activity in children who are trained in different shifts at school. R. V. Silla. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 30-32 '59.

Effect of work classes on the functional state of the nervous system in school children. B. I. Temkin. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 19-21 '59.

Hygienic foundations of the system of practical work in school workshops and of factory practice for pupils of grades 7-8. R. G. Sapozhnikova. Uch. zap. Mosk. nauch. issl. inst. san. i gig. no. 2 6-11 '59.

Hygienic organization of instruction and training in preparatory classes. N. M. Popova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2:26-29 '59.

Law on strengthening the ties between school and life and on the further growth of the public education system, and tasks for hygienists. S. M. Grombakh. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2:5-7 '59.

Methodology of the hygienic evaluation of working postures of school children. A. G. Sukharev. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 22-23 '59.

Some factors affecting the development of myopia in school children. E. M. Belostotskaia. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2,52-57 '59.

Some hygienic problems of planning classrooms and the arrangement of furniture. E. K. Glushkova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:52-53 '61.

SCHOOL LIBRARIES
(see also subdivision under Ukraine)

It helps to study the social sciences. I. Man'ko. Bibliotekar' no. 10:36-37 O '63.

Young booklovers. A. Kulikov. Bibliotekar' no. 10:48 '63.

SCHOOL MANAGEMENT AND ORGANIZATION

Attempt to analyze some of the causes for the different developments of the higher nervous activity in children who are trained in different shifts at school. R. V. Silla. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2:30-32 '59.

SCHOOL MUSIC

Orchestra of folk instruments in a school. N. Rybnikov. Nar. obr. no. 10:76-77 O '63.

SCHOOL MUSIC—INSTRUCTION AND STUDY

New features in singing lessons. V. Beloborodova. Shkola-int. no. 5:48-49 S-O '63.

Singing lesson. M. Kharko. Shkola-int. no. 5:46-47 S-O '63.

SCHOOL SUPERINTENDENTS AND PRINCIPALS see subdivision under Rezina District

SCHOOL SUPERVISION
(see also subdivision under Moscow)

From the practice of a methods association. L. Ioffe. Shkola-int. no. 5:28 S-O '63.

SCHOOLCHILDREN—FOOD

Effect of a hygienic nutritive regimen on the state of nourishment of children. Z. I. Iuganova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 50-51 '59.

Hygienic evaluation and proper management of nutrition in boarding schools. A. P. Shutskova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 46-49 '59.

SCHOOLHOUSES
(see also subdivision under Moscow)

Common task. M. Bogdanova. Doshk. vosp. 36 no. 10: 8 O '63.

It is worth our concern. G. Denisenko. Doshk. vosp. 36 no. 10:16-17 O '63.

SCHOOLHOUSES—DESIGN AND CONSTRUCTION

Naumov, S. F. [Vocational education schoolhouses abroad] Zdaniia shkol professional'nogo obucheniia za rubezhom. Moskva, Gosstrolizdat, 1963. 113 p.

SCHOOLHOUSES—HEATING AND VENTILATION see subdivision under Tiflis

SCHOOLHOUSES—LIGHTING

Hygienic basis of the level of natural lighting of classrooms. M. A. Sharova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 58-61 '59.

Use of different kinds of lighting in kindergartens. E. M. Demina. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2:71-74 '59.

SCHOOLS—EXERCISES AND RECREATIONS

Let's cherish and augment our school traditions. I. IA. Hryshai. Rad. shk. 42 no. 10:29-31 O '63.

SCHOOLS—FURNITURE, EQUIPMENT, ETC.

Demonstration table. N. Krasnov, P. Borisov. Shkola i proizv. 7 no. 10:55 O '63.

Exhibition of new school furniture. Shkola-int. no. 5 76-78 S-O '63.

Interior decorating of classrooms. V. Shikheev. Shkola-int. no. 5:65-68 S-O '63.

Let's equip workshops with our own hands. V. Sobolev. Shkola i proizv. 7 no. 10:09 O '63.

Some hygienic problems of planning classrooms and the arrangement of furniture. E. K. Glushkova. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:52-53 '61.

SCIENCE
(see also subdivision under Kazakhstan)

A decisive factor in the growth of productive forces. V. G. Kirillov-Ugriumov. Voen. vest. 41 no. 11:12-13 N '61.

For communist labor methods in science. Tekh. mol. 30 no. 8 6-7 '62.

SCIENCE—BIBLIOGRAPHY see Bibliography—Science

SCIENCE—INFORMATION SERVICES

Akademiia nauk SSSR. Institut nauchnoi informatsii. [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Institut nauchnoi informatsii Akademii nauk SSSR. Moskva, [1963] 31 p.

Evaluation of the information services of the All-Union Electric Engineering Institute by workers in science laboratories in Moscow. A. IA. Fridman. NTI no. 3: 16 '63.

Improving the organization of science-information work in our country and the tasks before the All-Union Institute of Scientific and Technological Information. N. B. Arutiunov. NTI no. 2:3-6 '63.

It is necessary to define clearly the tasks of the sections of the information services of scientific research institutes and design offices. I. I. Fuks. NTI no. 2 20-21 '63.

Organizing and using the reference collection of the publication "Nauchno-tekhnicheskaia informatsiia." L. D. Berezin, G. I. Gol'dgamer. NTI no. 5:12-17 '63.

Problems in the theory of science information. V. A. Uspenskii, IU. A. Shreider. NTI no. 3:17-20 '63.

SCIENCE—PHILOSOPHY

Characteristics of present-day scientific knowledge. V. Siforov, I. Novik. Kommunist 40 no. 15:114-123 O '63.

Elective course "Philosophical problems of natural history" in technical institutions of higher learning. G. G. Vdovichenko, A. I. Klavtsov. Vest. vys. shkoly 21 no. 10:73-78 O '63.

Interrelationship between the laws of materialistic dialectics and individual sciences. G. Podkorytov. Polit. samoobr. 7 no. 9 38-47 S '63.

SCIENCE—PHILOSOPHY (Continued)

Kedrov, B. M. [Object and relationship of the natural sciences] Predmet i vzaimosvyaz' estestvennykh nauk Moskva, Izd-vo Akad. nauk SSSR, 1962. 409 p. (Dialekticheskii materializm i sovremennoe estestvoznanie.)
(MiU)

Philosophy and natural science. P. N. Fedoseev. Priroda 52 no. 9 3-8 '63.

SCIENCE AND RELIGION see Religion and science

SCIENCE AND STATE

Science and ideology; results of the June Plenum of the Central Committee of the CPSU. Neftekhimiia 3 no. 4 449-450 Jl-Ag '63.

SCIENCE NEWS

In the whole world. Znan.-sila 38 no. 5 30 My '63.

Inventions, discoveries and hypothesis. Sov. Soiuz no. 10.52 '63.

SCIENTIFIC EXPEDITIONS see subdivision under Latvia

SCIENTIFIC LIBRARIES

Organization of the reference machinery for a reference and information collection. Z. I. Galkina. NTI no. 2 14-18 '63.

SCIENTIFIC SOCIETIES

Seventh General Assembly of the World Federation of Scientific Workers. W. A. Wooster. Mir nauki no. 4:21-22 '62.

World Federation of Scientific Workers. Mir nauki no. 4:inpart '62.

SCOPOLIA

Some characteristics of the embryology of Scopolia carniolica [with summary in English]. G. I. Glushchenko. Izv. AN SSSR Ser. biol. 28 no. 5:724-734 S-O '63.

SCOURING COMPOUNDS

Wool scouring in a neutral medium. E. M. Bessudova. Nauch.-issl. trudy TSNIIShersti no. 16 96-101 '61.

SCREENS (MINING)

Dedusting of vibrating screens. M. T. Kamyshenko. Prom. vent. no. 9 51-55 '60.

SCREW-THREAD ROLLING

Modernization of a thread-rolling machine. Iu. S. Sharin, S. S. Golubev. Mashinostroitel' no. 11 13-14 N '63.

SCREW-THREAD ROLLING—EQUIPMENT AND SUPPLIES

Introduction of thread-generating heads in mass production. V. I. Dolinskii. Avt. prom. 29 no. 8 40-41 Ag '63.

SCREW CUTTING

Eliminating fractures of machine taps in cutting thread in deep holes. V. V. Matveev. Stan. i instr. 34 no. 9 28-31 S '63.

SCREWS—STANDARDS

Nonreleasing screws. E. V. Surkov, V. I. Churashov. Standartizatsiia 27 no. 8 42-43 Ag '63.

SCROTUM—CANCER

Sarcoma of the scrotum. N. P. Grigor'eva, I. F. Zisman. Zdravookhranenie 6 no. 3, 60-61 My-Je '63.

SCULPTURE

Glass sculpture. V. V. Zhuravs'ka, B. A. Plontkovs'kyi. Leh. prom. no. 3 54-55 Jl-S '63.

The heroic in life is a source of inspiration! N. Tomskii. Iskusstvo 26 no. 8 2-6 '63.

SCULPTURE, GRECO-ROMAN see subdivision under Kerch Peninsula

SCULPTURE, GREEK
(see also subdivision under Anapa)

Recent discovery of a marble ephebic head made by a sculptor of the Polyclitus school. G. A. TSvetaeva. Vest. drev. ist. no. 3 131-138 '63.

SCULPTURE, UKRAINIAN—EXHIBITIONS

Feeling of the times. N. Mulkidzhanian. Mystetstvo 10 no. 4-12-14 Jl-Ag '63.

SCYTHIANS

Relations between Celts and Scythians. I. Rosen-Przeworska. Sov. arkheol. 7 no. 3, 67-78 '63.

SEA ICE
(see also subdivision under Arctic Ocean)

"Album of ice formations in seas." A. V. Bushuev, V. S. Loshchilov. Okeanologiia 1 no. 3:564-565 '61.

SEA URCHINS

Serotonin in developing embryos of the sea urchin Strongylocentrotus drobachiensis. G. A. Buznikov, I. V. Chudakova. Dokl. AN SSSR 152 no. 4:1014-1016 O '63.

SEALING (TECHNOLOGY)

Hermetically sealing materials for radio equipment. L. N. Kozlovskaia, V. V. Mishustina. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 17-20 '63.

Novichkov, A. N. [System of hydraulic (glandless) sealing of high-pressure compressor plungers] Sistema gidravlicheskogo (bessal'nikovogo) uplotnenia plunzherov kompressorov sverkhvysokogo davlenia. Leningrad, 1963. 31 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Mekhanicheskaia obrabotka materialov, no. 10)

SEALING (TECHNOLOGY)—STANDARDS

Standardization of labyrinth sealings for turbines and compressors. A. M. Bubentsov, P. N. Polukanin. Standartizatsiia 27 no. 8 10-15 Ag '63.

SEALS (ANIMALS) see subdivision under Kara Sea

SEALS (NUMISMATICS)

Heraldry and sphragistics in the work of historians, according to materials in Ukrainian archives and other institutions. V. I. Stetskii. Vop. arkh. 8 no. 2:31-35 Ap-Je '63.

Kamentseva, E. I., and N. V. Ustiugov. [Russian sphragistics and heraldry] Russkaia sfragistika i geral'dika. Moskva, Vysshaia shkola, 1963. 222 p.

SEAMANSHIP

Kravchuk, I. I., and B. G. Morokhin. [Professional training of first-class seamen] Profavodstvennoe obuchenie matrosov I-go klassa. Izd. 2., dop. i perer. Moskva, "Morskoi transport," 1963. 215 p.

SEARLES LAKE REGION—LITHIUM

Searles Lake and its lithium- and tungsten-bearing brines. T. P. Boiko. Trudy IMGRE no. 17 47-66 '63.

SEARLES LAKE REGION—TUNGSTEN

Searles Lake and its lithium- and tungsten-bearing brines. T. P. Boiko. Trudy IMGRE no. 17 47-66 '63.

SEASHORE

O. K. Leont'ev's book "Fundamentals of seashore geomorphology." A. S. Ionin, P. A. Kaplin, V. S. Medvedev. Okeanologiia 3 no. 5 946-948 '63.

SEAWATER—MICROBIOLOGY

Experimental data on the methodology of sanitary bacteriological analyses of sea water. A. S. Labinskaia. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4:31-33 '60.

SEBACEOUS GLANDS—DISEASES

Riboflavin and 17-ketosteroid metabolism in patients with seborrhea [with summary in English]. I. B. Veinerov, F. A. Kruchakova, M. G. Podgaetskaia. Vop. pit. 22 no. 1:28-32 Ja-F '63.

SECHENOV, IVAN MIKHAILOVICH, 1829-1905

Basic concepts of the materialistic teaching on cerebral activity. L. G. Voronin. Zhur. vys. nerv. deiat. 13 no. 5 763-771 S-O '63.

I. M. Sechenov on vital function; on the centenary of the publication of his most important work "Brain reflexes." B. T. Malyshev. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 5 58-62 S-O '63.

I. M. Sechenov's "Brain reflexes" and present-day psychology. B. G. Ananiev. Zhur. vys. nerv. deiat. 13 no. 5 772-780 S-O '63.

SECONDARY EDUCATION see Education, Secondary

SECRETION

Examination of the moisture in a conjunctival sac produced by surgery. G. V. Legeza. Uch. zap. UEIGB 5:158-161 '62.

SECTS

Answers to readers' questions. Agitator no. 18:57-58 S '63.

SEDIMENTARY ROCKS see Rocks, Sedimentary

SEDIMENTATION AND DEPOSITION
(see also subdivision under Velikiye Luki region)

Isotachs, equal-velocity lines of sedimentation, as a basis of the new type of tectonic studies. L. A. Vardaniants. Trudy VSEGEI 85:109-118 '63.

SEED POTATOES
(see also subdivision under Ukraine)

Effect of soil moisture and temperature on the yield and seed qualities of potato tubers. N. G. Traskin. Nauch. trudy Vses. sel.-gen. inst. no. 5:109-111 '62.

SEED PRODUCTION
(see also subdivision under Novo-Kubanskaya region)

Germination and respiration intensity of corn seeds irradiated by Co^{60} gamma rays in an air-dry state. N. V. Romenskii and others. Izv. vys. ucheb. zav. i pishch. tekh. no. 4:17-19 '63.

Germinative capacity and productivity [illegible] corn harvested at various ripening [illegible] silko, P. F. Klucishko, G. P. Pikus [illegible] sel.-gen. inst. no. 5:111-117 '63.

Squash breeding and seed production [illegible] Nauch. dokl. vys. shkoly, biol. nauki [illegible]

Studying the ripening process of [illegible] N. V. Klimova. Trudy VNIIZ no. 43 [illegible]

SEEDS

In the travel rucksack of the detachment [illegible] Z. M. Kaloshina. Iunyi [illegible]

Mechanism of the moisture effect on the [illegible] of seeds [with summary in English] [illegible] Trudy MOIP, Otd. biol. [illegible]

SEEDS—DISINFECTION

Disinfecting seeds in a granosan mixture [illegible] Nauch. trudy Vses. sel.-gen. inst. [illegible]

Disinfecting stored seeds with [illegible] hexachlorane dusts. V. I. Oliferuk [illegible] 7.74-77 '62.

SEEDS—DISSEMINATION

Role of birds in spreading seeds of the [illegible] A. P. Nechaev, V. A. Nechaev. Izv. [illegible] Ser. biol.-med. nauk no. 2, 56-61 '63.

SEEDS—STANDARDS

Seeds of bast plants. B. T. Konik. [illegible] no. 8:18-19 Ag '63.

SEEDS, EFFECT OF RADIATION ON

Dependence of the frequency of the [illegible] some aberrations on radiation intensity [illegible] biological condition of barley seeds [with English]. N. I. Nazhelin, R. I. Dozortseva [illegible] valova. Izv. AN SSSR, Ser. biol. [illegible] Ag '63.

SEEPAGE

Methods for working up observation data [illegible] water in periodically operated [illegible] Izv. AN Kir. SSR, Ser. est. i tekh. nauk [illegible] '62.

Seepage calculations for dams consisting [illegible] layers of sod and previous material. [illegible] Trudy OmSKhI 41:167-173 '60.

SEICHES

First works of I. V. Kurchatov. I. P. [illegible] no. 9:91 '63.

SEIGNETTOELECTRIC SUBSTANCES see [illegible] substances

SEISMIC PROSPECTING
(see also subdivision under Caspian Sea)

Results of seismic reflection work east of Mo[illegible] region of Zanzibar Island and in the central [illegible] Indian Ocean. V. M. Kovylin. Okeanologiia 1 no. 3:466-472 '61.

Spectrum of the coefficient of reflection [illegible] layers. M. B. Hyndman. Dop. AN URSR [illegible] '61.

Theoretical model of the distribution of [illegible] amplitudes in a vertically layered [illegible] vets', F. M. Khachenko. Dop. AN URSR [illegible] '61.

SEISMIC PROSPECTING—EQUIPMENT AND [illegible]

Use of the amplifiers of the SS-30/60 [illegible] method of refraction waves] seismic [illegible] seismic probing. I. N. Galkin, N. N. [illegible] prom. geofiz. no. 12:28-36 '61.

SEISMIC WAVES

Use of regenerative vibrating filters for [illegible] sis of seismic vibrations. Iu. A. Kolesnikov [illegible] Inst. fiz. Zem. no. 26:25-30 '63.

SEISMIC WAVES—MODELS

Reflection of longitudinal waves from [illegible] arise in perforated plates in cases of oil [illegible] P. G. Gil'bershtein. Geofiz. razved. no. [illegible]

SEISMOLOGY
(see also subdivision under Petropavlovsk-Kamchatskii region; Vakhsh Valley)

Apparatus for rewriting of seismograms. [illegible] nikov, B. N. Pevzner, V. N. Solov'ev. [illegible] Zem. no. 26:19-24 '63.

Apparatus with magnetic memory for recording [illegible] earthquakes. V. B. Preobrazhenskii. [illegible] Zem. no. 26:78-84 '63.

Channel by channel oscillographic recording [illegible] SSM-57 seismic station. N. D. Titov, V. D. [illegible] Geofiz. razved. no. 12:18-21 '63.

Highly sensitive capacitative seismograph [illegible] recording on heat-sensitive paper. A. V. [illegible] Sidorov. Trudy Inst. fiz. Zem. no. 26:85-94 '63.

Instrument analysis of seismograms. D. P. [illegible] Kolesnikov, A. V. Rykov. Trudy Inst. fiz. [illegible] 3-15 '63.

SEISMOLOGY (Continued)

New data on the structure of the sedimentary layer of the Mediterranean Sea. V. N. Moskalenko. Dokl. AN SSSR 152 no. 6 1457-1460 O '63.

Seismograms convertible into electric current. IU. A. Kolesnikov, A. V. Rykov, G. P. Chernykh. Trudy Inst. fiz. Zem. no. 26 37-41 '63.

Study of nonlinear vibrations of structures during heavy earthquakes. F. L. Khachiian. Dokl. AN Arm. SSR 36 no. 4 211-215 '63.

SEISMOLOGY—OBSERVATIONS

Breath of the earth. Sov. Soiuz no. 10:32-34 '63.

SEISMOLOGY—RESEARCH

Our visit to U.S. seismologists. E. S. Borisevich. Vest. AN SSSR 33 no. 10:75-78 O '63.

SEISMOMETERS

Newly designed boiler for the installation of SPM-16 seismographs. E. P. Vishnikov. Razved. i prom. geofiz. no. 42:39-40 '61.

UVS-2-60 seismoscope. S. F. Bol'shikh. Razved. i prom. geofiz. no. 42:3-18 '61.

SEISMOMETRY

Apparatus with storage unit for recording heavy earthquakes. V. M. Pomud. Trudy Inst. fiz. Zem. no. 26,62-71 '63.

Graphs of periodic repetitions during earthquakes of various intensities. L. A. Skorik. Trudy Inst. fiz. Zem. 26. Vop. inzh. seism. no. 8:117-119 '63.

Method for increasing galvanometer and pendulum periods by interconnection of capacitances. V. T. Arkhangel'skii. Trudy Inst. fiz. Zem. no. 26 42-51 '63.

Methodology of determining the energy of earthquakes taking into account the frequency spectrum of seismic vibrations. N. K. Karapetian. Dokl. AN Arm. SSR 37 no. 1:15-20 '63.

Method of calculating the distance between seismic centers in seismic microzoning. A. Z. Kata. Trudy Inst. fiz. Zem. 26. Vop. inzh. seism. no. 8 95-103 '63.

Practical methods of calculating the main patterns of vibrations for systems with some degree of freedom. M. G. Korf. Trudy Inst. fiz. Zem. 26. Vop. inzh. seism. no. 8 120-125 '63.

Selection of dynamic equivalents for seismic activity with an intensity rating of 7. M. G. Korf. Trudy Inst. fiz. Zem. 26. Vop. inzh. seism. no. 8 135-140 '63.

Stand for determining the coordinates of earthquake epicenters. V. I. Kovrigina, I. M. Rozenberg. Trudy Inst. fiz. Zem. no. 26 98-100 '63.

SELENIDES

Behavior of selenides and tellurides of certain metals during hydrochloric leaching. A. L. TSeft, R. G. Azerbaeva, A. A. Adilova. Vest. AN Kazakh. SSR 19 no. 9:88-94 S '63.

SELENIUM

Conference on the Study of Selenium and Tellurium, held in Baku. G. B. Abdullaev, M. A. Talibi. Vest. AN SSSR 33 no. 10:113-114 O '63.

SELENIUM—ANALYSIS

Extractive separation of selenium and tellurium and their subsequent photometric determination [with summary in English]. A. I. Busev, N. I. Babenko, Khoang Min'-tiam. Zhur. anal. khim. 18 no. 9:1094-1099 S '63.

SELENIUM—ELECTRIC PROPERTIES

Electric properties of selenium of varying purity in the solid and liquid phases. Kh. G. Barkinshoev, G. M. Alikv. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 3:105-101 '63.

SELENIUM—PHYSIOLOGICAL EFFECT

Factor III and selenium; a survey of literature. S. G. Aptekar'. Vop. pit. 22 no. 1:83-86 Ja-F '63.

SELENIUM CRYSTALS—ELECTRIC PROPERTIES

Temperature dependence of the effect of a strong electric field in polycrystalline selenium. A. R. Regel', B. G. Tagiev. Fiz. tver. tela 5 no. 10:2914-2921 O '63.

SELENIUM-NICKEL ALLOYS see Nickel-selenium alloys

SELENOPHENE

Chemistry of selenophene. Part 47: Synthesis and alkylation of β-diketones of the selenophene series. IU. K. IUr'ev, N. N. Magdesieva, V. P. Brysova. Zhur. ob. khim. 33 no. 8 2578-2581 Ag '63.

Synthesis of ω-(p-nitrobenzoyl)-2-acetoselenophene. IU. K. IUr'ev, N. N. Magdesieva, V. V. Titov. Zhur. ob. khim. 33 no. 8:2577-2578 Ag '63.

SELF-DETERMINATION, NATIONAL

Onset upon the principle of national self-determination. R. A. Tuzmukhamedov, A. L. Larionov. Sov. gos. i pravo 33 no. 10:132-136 O '63.

SELF-GOVERNMENT (IN EDUCATION)

Power of public influence. IU. Azarov. Nar. obr. no. 10:62-68 O '63.

SELF-ORGANIZING SYSTEMS

Analysis of self-regulation phenomena in the phytocenosis as related to some theories of cybernetics. V. D. Aleksandrova. Prim. mat. metod. v biol no. 2 37-46 '63.

Experimental study of the properties of the human nervous system. B. M. Teplov, V. D. Nebylitsyn. Zhur. vys. nerv. deiat. 13 no. 5:789-797 S-O '63.

New monograph on cybernetics. A. A. Stognii. NTI no. 2 36-39 '63.

Tonic conditioned reflexes as a form of integrated brain activity. E. A. Asratian. Zhur. vys. nerv. deiat. 13 no. 5:791-798 S-O '63.

SELF-SERVICE STORES

Liability in self-service stores. S. Vostokov. Sov. torg 36 no. 8:13-17 Ag '63.

SEMEN

Effect of hydrolysis forage yeast on semen production in herd bulls. M. F. Tomme, R. V. Martynenko. Trudy VIZH 21,344-350 '62.

SEMEN—PRESERVATION

Preservation of bull semen at room temperatures in a bicarbonate-phosphate medium. V. K. Milovanov, M. V. Sytina. Trudy VIZH 24,269-278 '62.

Some problems in prolonged preservation of ram semen. L. P. Kuprianova. Trudy VIZH 24 279-285 '62.

Synthetic thickening agents in implemental media for the semen of farm animals. I. I. Sokolovskaia and others. Trudy VIZH 21:286-302 '62.

SEMENOV, NIKOLAI NIKOLAEVICH, 1896-

Instant, stop. O. Pysarzhevs'kyi. Nauka i zhyttia 12 no. 3:51-54 Mr '63.

SEMICONDUCTORS

Calculation of thermomagnetic coefficients in semiconductors. I. V. Dakhovskii. Fiz. tver. tela 5 no. 10 3020-3022 O '63.

Dissolution of germanium in some ternary semiconducting compounds. N. A. Gorlunova, V. I. Sokolova, TSian Bin-si [Chiang Ping-hsi]. Dokl. AN SSSR 152 no. 2:363-366 S '63.

Effect of current pulsations on the characteristics of thermoelectrons of semiconductors in cooling and heating devices. V. A. Naer, V. A. Semeniuk. Izv. vys. uchib. zav., energ. 6 no. 6 31-37 Je '63.

Electrochemistry of semiconductors. IU. V. Pleskov. Vest. AN SSSR 33 no. 10 18-23 O '63.

Energy spectrum of holes in semiconductors structured as chalcopyrite. F. M. Gashimzade. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 3:67-76 '63.

Pasynkov, V. V., and IU. T. Okunev. [Nonlinear semiconductor resistors (variators)] Nelineinye poluprovodnikovye soprotivleniia (variatory). Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1963. 34 p. (Series: "Poluprovodniki," no. 11)

Petrov, D. A., ed. [New data on the production of single crystals of semiconductors. Translated from the English] Novoe v poluchenii monokristallov poluprovodnikov, sbornik statei. Moskva, Izd-vo inostr. lit-ry, 1962 259 p.

Rectifying effect in semiconductors. A. V. Vannikov. Dokl. AN SSSR 152 no. 4:905-907 O '63.

Semiconductor diode and transistor temperature pickups. I. L. Rotbert, N. P. Udalov. Priborostroenie no. 10:1-3 O '63.

Temperature dependence of the effective mass of electrons in semiconductors. IU. I. Ukhanov, IU. V. Mal'tsev. Fiz. tver. tela 5 no. 10:2926-2934 O '63.

Theory of heavily alloyed semiconductors; band-to-band transitions. V. L. Bonch-Bruevich, R. Rozman. Fiz. tver. tela 5 no. 10:2899-2901 O '63.

Use of X-ray spectrum analysis in studying the valent state of manganese atoms in certain compound oxide semiconductors. E. E. Vainshtein and others. Fiz. tver. tela 5 no. 10:2935-2939 O '63.

Using nonlinear chains for the accurate measurement of current strength. V. V. Astaf'ev, V. A. Morozov, A. A. Bukl. Svar. proizv. no. 10:33-35 O '63.

SEMICONDUCTORS—ELECTRIC PROPERTIES

Exchange interaction through current carriers in ordered semiconducting magnetic materials. B. V. Karpenko, A. A. Berdyshev. Fiz. tver. tela 5 no. 10:3026-3028 O '63.

Gubanov, A. I. [Quantum-electron theory of amorphous conductors] Kvantovo-elektronnaia teoriia amorfnykh provodnikov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 249 p.

Possible mechanism of recombinations on multiply charged centers in semiconductors. M. K. Sheinkman. Fiz. tver. tela 5 no. 10:2780-2785 O '63.

Relation between the field effect and the properties of a point contact. L. I. Nesmelova. Fiz. tver. tela 5 no. 10:3023-3024 O '63.

SEMICONDUCTORS—MODELS

Modeling of semiconductor devices. A. D. Shinkov. Elektrichestvo no. 11:40-44 N '63.

SEMICONDUCTORS—PHOTOELECTRIC PROPERTIES

Ryvkin, S. M. [Photoelectric phenomena in semiconductors] Fotoelektricheskie iavleniia v poluprovodnikakh. Moskva, Fizmatgiz, 1963. 494 p. (Fizika poluprovodnikov i poluprovodnikovykh priborov)

SEMIOLOGY (COMMUNICATION)

Is art a language? A. Kondratov. Znan.-sila 38 no. 5:1-4 My '63.

SEMIPALATINSK—CLOTHING INDUSTRY

Our controller is the conscience. A. Voronina. Nar. khoz. Kazakh. 21 no. 8:52-53 Ag '63.

SEMIPALATINSK PROVINCE—REVOLUTION, 1917-1921

United Congress of the Soviets of Semipalatinsk Province and its role in the establishment of the unified organs of province administration. K. Nurpeisov. Trudy Inst ist., arkheol. i etn. AN Kazakh. SSR 17 22-35 '63.

SEMIRECH'YE—REVOLUTION, 1917-1921

The Second Peasant Congress of Semirech'ye Province. I. V. Rusakov. Trudy Inst ist., arkheol. i etn. AN Kazakh. SSR 17,5-21 '63.

SEMITIC INSCRIPTIONS see Inscriptions, Semitic

SEMYNIN, PETR

Height of the beautiful. V. Fedorov. Sov. voin 45 no. 20:33 O '63.

SENKOVSKII, OSIP IVANOVICH, 1800-1858

Revival of some unjustified hypotheses made by O. Senkovskii. O. V. Tvorogov. Izv. AN SSSR. Ser. lit. i iaz. 22 no. 5:432-434 S-O '63.

SENSE ORGANS

Synthesis of perceptive units (perceptrons) and the physiology of sense organs. V. P. Sochivko. Prim. mat. metod. v biol no. 2:67-72 '63.

SENSE ORGANS—INSECTS

Study of chemoreception in insects and ticks; electrophysiological study of chemoreception in ixodid ticks. IU. A. Elizarov. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 6 16-24 N-D '63.

SENSES AND SENSATION

Simulation of sensory functions [with summary in English]. L. M. Vekker. Vest. LGU 18 no. 17:77-84 '63.

SEPARATION (TECHNOLOGY)

Effect of macroscopic defects in natural potassium minerals on their gravity separation. Kh. M. Aleksandrovich, M. M. Pavliuchenko. Dokl. AN BSSR 7 no. 10 684-687 O '63.

Separation of ions on the basis of their different ability to polymerize in solution. A. K. Babko, G. I. Gridchina. Zhur. prikl. khim. 36 no. 8 1722-1725 Ag '63.

SEPARATORS (MACHINES)

Air purification in cyclone launders. A. M. Gervas'ev. Prom. vent. no. 9:85-91 '60.

Determination of the shape of sand grains by the use of a vibroseparator. E. V. Rukhina, D. K. Kashik, M. S. Diufur. Uch. zap. LGU no. 310:55-67 '62.

Motion of solid particles in channels between the blades of a turbocyclone ash remover [with summary in English]. A. M. Rozhdestvenskii. Inzh.-fiz. zhur. 6 no. 11:112-118 N '63.

Testing small, high-capacity cyclone launders. V. S. Ivanov. Prom. vent. no. 9:63-68 '60.

Using cyclone launders in small-size exhaust systems. A. M. Gervas'ev. Prom. vent. no. 9 69-84 '60.

SEPARATORS (MACHINES)—TESTING

Industrial testing of 191-A-Se and 167-S-Se separators. B. K. Buraev, L. M. IAroslavtseva. Met. i gornorud. prom. no. 4:53-55 Jl-Ag '63.

SERAFIMOVICH, A., pseud. see Popov, Aleksandr Serafimovich, 1863-1949

SERBIAN POETRY—HISTORY AND CRITICISM

Aleksa Santic and Serbian democratic poetry at the end of the 19th and during the first two decades of the 20th century. R. F. Doronina. Lit. slav. nar. 8:142-160 '63.

SERFDOM

Characteristics of the agrarian relations on the state owned lands of Western Siberia in the 30's to the 60's of the 18th century. M. M. Gromyko. Izv. SO AN SSSR no. 1. Ser. obshchestv. nauk no. 1:90-101 '63.

SERGEEV-TSENSKII, SERGEI NIKOLAEVICH, 1876-1958

Fifteen Sergeev-Tsenskii Street. Sh. Viadro. Ukraina no. 19:3 O '62.

SERICULTURE see subdivision under Uzbekistan

SERIES

Relation between Abel's method of summation and the method of the arithmetic mean. I. E. Oglevetskii. Trudy DHT no. 24,275-279 '54.

SERNO-SOLOV'EVICH, NIKOLAI ALEKSANDROVICH, 1834-1866

L. I. Baronbaum's account of N. A. Serno-Solov'evich (1834-1866). S. Liublinskii. Zvezda no. 7:214 Jl '62.

SEROTONIN

Characteristics of the action of some protective substances in the irradiation of isolated cells in mammals. F. N. Tolbacheva, I. F. Bregadze (Nemanokova). Radiobiologiia. 2 no. 6:907-911 '62.

Serotonin in developing embryos of the sea urchin Strongylocentrotus dröbachiensis. G. A. Buznikov, I. V. Chudakova. Dokl. AN SSSR. 152 no. 4:1014-1016 O '63.

Serotonin in the embryogenesis of marine invertebrates [with summary in English]. B. N. Manukhin, G. A. Buznikov. Zhur. ob. biol. 24 no. 1:23-29 Ja-F '63.

SEROV, VALENTIN ALEKSANDROVICH, 1865-1911

Zhuravleva, E. V. Valentin Aleksandrovich Serov. Leningrad, Khudozhnik RSFSR, 1962. 49 p. plates (Narodnaia bibliotechka po iskusstvu)
(MH)

SEROV, VASILII MATVEEVICH, 1878-1918

Serova, N. V. Vasilii Serov. [Izd. 2, ?] Ulan-Udé, Buriatskoe knizhnoe izd-vo, 1961. 66 p.
(InU)

SERUM

Bacteriostatic effect of fresh blood serums of farm animals on some species of pathogenic microbes. I. V. Sokolova. Trudy Mosk. vet. akad. 12:123-137 '55

Comparative characteristics of the method of freeing serums from pyrogen [with summary in English]. S. M. Preger, N. G. Turliantseva, A. P. Dutova. Trudy TomNIIVS. 12 246-250 '60

Complement fixation reaction as a method of determining the specific activity of antirabic serum and gamma globulin [with summary in English]. M. K. Tiushniakova, G. E. Nebolubova. Trudy TomNIIVS. 12 261-265 '60

Duration of the utilization of horses yielding therapeutic serums in different types of immunization [with summary in English]. B. G. Trukhmanov, R. P. Mashanko. Trud. TomNIIVS. 12 214-221 '60.

Dynamics of the agglutinating and preventive properties of serum in herd bulls hyperimmunized against diplococcal infection. M. M. Kal'chenko. Visnyk sil'hosp. nauky. 6 no. 4:118-121 Ap '63

Experiment with preliminary preparatory immunization of horses in diphtheria hyperimmunization. S. D. Ronzhina. Trudy TomNIIVS. 12 226-230 '60

Immunological characteristics of serum producing horses selected by the method of compound immunization [with summary in English]. E. N. Rodiukova. Trudy TomNIIVS. 12 222-225 '60.

Importance of determining bile acids in blood serum for the diagnosis of aborted forms of hepatitis. V. I. Demin, A. P. Sokolovskaia. Nauch. inform. Otd. nauch. med. inform. AMN SSSR. no. 1:26-27 '61.

Importance of some biological and ecological factors in testing the pyrogenic properties of serums on rabbits [with summary in English]. N. G. Turliantseva, L. I. Nevzorova. Trudy TomNIIVS. 12 251-253 '60.

Materials on the desiccation of agglutinative listeriosis serum [with summary in English]. L. A. Burenkova. Trudy TomNIIVS. 12 266-269 '60.

Obtaining a hemolytic serum by prolonged hyperimmunization of rabbits [with summary in English]. N. O. Sukhova. Trudy TomNIIVS. 12:270-274 '60

Obtaining a polyvalent antigangrene serum [with summary in English]. Kh. I. Usherenko. Trudy TomNIIVS. 12 195-198 '60.

Obtaining polyvalent diagnostic dysentery serums [with summary in English]. O. A. Vasil'eva. Trudy TomNIIVS. 12 199-202 '60.

Purification and concentration of serums by the method of peptic digestion with hydrochloric acid [with summary in English]. S. M. Preger, A. G. Dutova. Trudy TomNIIVS. 12:242-245 '60

Separation of antibodies in serums of horses immunized with polyvalent vaccines and the possibility of obtaining several serums from one horse [with summary in English]. B. G. Trukhmanov. Trudy TomNIIVS. 12:155-164 '60

Use of N. G. Belen'kii's serum for hemostasis in surgical wounds. E. P. Arkhipov, G. M. Kuznetsov. Kaz. med. zhur. no. 2:71-72 Mr-Ap '63.

Virus-neutralizing activity, the nature and the properties of thermolabile substances of normal serums of different animals. A. A. Smorodintsev, T. IA. Luzianina, R. IA. Poliak. Nauch. inform. Otd. nauch. med. inform. AMN SSSR. no. 1:19-20 '61.

SERUM DIAGNOSIS

Use of dry sera in complement fixation reaction for the diagnosis of tick-borne encephalitis [with summary in English]. M. S. Zagromova. Trudy TomNIIVS. 12 33-36 '60.

SERVANTS see subdivision under Riga

SERVICE INDUSTRIES see subdivision under Ukraine

SEVAN LAKE REGION—MICRO-ORGANISMS, NITROGEN-FIXING

Species and characteristics of nodule bacteria found in the exposed soils of Lake Sevan. A. P. Petrosian. Trudy Inst. mikrobiol. no. 11:177-187 '61.

SEVAN LAKE REGION—POTATOES

Characteristics of the formation of the vegetative cones of potato eyes in the Sevan region and the Ararat Plain. N. M. Mkhitian, Zh. V. TSovian. Izv. AN Arm. SSR. Biol. nauki. 16 no. 7:85-94 Jl '63.

SEVASTOPOL—AUXILIARY POLICE

A concern for all people. R. Abanina. Rad. pravo no. 1:29-33 Jl-Ag '63.

SEVERNAYA ZEMLYA—GLACIERS

Dispersion of detrital material by icebergs and sea ice. V. G. Chigir. Vest. Mosk. un. Ser. 5. Geog. 18 no. 5:50-52 S-O '63.

SEVERNAYA ZEMLYA REGION—ICEBERGS

Dispersion of detrital material by icebergs and sea ice. V. G. Chigir. Vest. Mosk. un. Ser. 5. Geog. 18 no. 5:50-52 S-O '63.

SEVERODONETSK—SPORTS

Severodonetsk, the city of sports. S. Kropivnitskii, A. Kolodnyi. Sov. Soiuz no. 8:34-37 '63.

SEWAGE—MICROBIOLOGY

Specificity and comparative characteristics of phenol-oxidizing bacteria obtained from sewers and reservoirs. A. S. Labinskaia, E. P. Ponomareva. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4:37-41 '60.

SEWAGE—PURIFICATION

Demura, M. V. [Horizontal settling tanks] Gorizontal'nye otstoiniki. Kiev, Gosstroiizdat USSR, 1963. 53 p.

Microbiological method for the dephenolization of sewage. A. S. Labinskaia. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4:34-36 '60.

Working up the "Instructions for the design of outdoor sewerage of industrial enterprises." I. L. Mongait. Izv. ASiA. no. 4:116-117 '61.

SEWAGE DISPOSAL

Sanitary characteristics of sewage from the production of synthetic fatty acids and sanitary requirements for discharge into open waters. A. F. Aksiuk, S. D. Zamyslova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9:67-72 '61.

Sanitary conditions for discharging sewage from phenol and acetone production into open waters. R. D. Smirnova, S. D. Zamyslova, G. P. Zarubin. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9:30-33 '61.

SEX—CAUSE AND DETERMINATION

Biochemistry of nucleic acid metabolism of spermatozoa in relation to the problems of sex determination in mammals [with summary in English]. V. N. Shreider. Izv. AN SSSR. Ser. biol. 28 no. 4:555-561 Jl-Ag '63.

Determination of sex in pike. I. T. Demchenko. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14:110-112 '62.

SEX (BIOLOGY)

Relation between the productivity of farm animals and the sex ratio in their progeny. E. M. Vladimir skaia. Nauch. dokl. vys. shkoly. biol. nauki. no. 4:171-177 '63.

SEXTANT

Practical advice for using sextants. Mor. flot. 23 no. 9:22 S '63.

SHAFT SINKING
(see also subdivision under Great Britain)

Dynamic horizontal loads on the lining of vertical mine shafts. O. A. Zalesov. Shakht. stroi. 7 no. 8:4-9 Ag '63.

Fedorov, S. A. [Deepening of mine shafts] Uglubka stvolov shakht. Izd. 3., perer. i dop. Moskva, Gosgortekhizdat, 1963. 245 p.

Moscow. Institut gornogo dela. Sinking A. A. Skochinskogo. [Rock pressure and the lining of vertical shafts] Gornoe davlenie i krep' vertikal'nykh stvolov. Pod red. L. D. Sheviakova. Moskva, Gosgortekhizdat, 1963. 211 p.

SHAFT SINKING—EQUIPMENT AND SUPPLIES

Dip needle for surveying frozen vertical holes in shaft sinking. V. A. Sinitsyn, A. S. Smirnov. Shakht. stroi. 7 no. 8:11-13 Ag '63.

SHAFTING

Experimental investigation of the effect of shaft rotation on the efficiency of labyrinth packing. A. I. Golubchenko, A. IA. Ipatenko, E. I. Gancho. Izv. vys. ucheb. zav.; mashinostr. no. 7:87-92 '63.

SHAKESPEARE, WILLIAM, 1564-1616

Shakespeare's plays on the stage of the Azerbaijani Drama Theater, 1920-1933. T. G. Iusufbeili. Izv. AN Azerb. SSR. Ser. obshchestv. nauk. no. 4:29-40 '63.

Shakespeare's stylistic use of tropes in his early comedy "Two gentlemen of Verona" [in Georgian with summary in Russian]. M. Natadze. Trudy Tbil. GU. 101:113-122 '62.

SHAKHDAG—GABBRO

Morphological characteristics, mineralogy [illegible] of the gabbro-pegmatites of the Shakh Dag [illegible] ser. Caucasus). R. K. Gasanov. Izv. AN [illegible] Ser. geol.-geog. nauk i nefti. no. 1:85-88 '61.

SHAKHDAG—PEGMATITES

Morphological characteristics, mineralogy [illegible] of the gabbro-pegmatites of the Shakh Dag [illegible] ser. Caucasus). R. K. Gasanov. Izv. AN [illegible] geol.-geog. nauk i nefti. no. 3:17-20 '61.

SHAKHTINSK—CONSTRUCTION INDUSTRY [illegible]

Time limit and overhead costs. N. Mur[illegible] Khoz. Kazakh. 21 no. 8:23-24 Ag '61.

SHALIMOV, A.

A. Shalimov's stories "Geologic comp[illegible] Zvezda no. 7:211-212 Jl '62.

SHARING

Thanks to people. I. Kosolapov. Nauka i [illegible] 81 81 D '62.

SHASHKEVYCH, MARKHAN, 1811-1843

Luts'ky, Luka. [Markhian Shashkevych, a bi[illegible] characteristics of his work with a supplement containing all the original works of the poet] Markhian Shashkevych; biografiia i kharakterystyka tvorchosty[illegible] ukhi oryginal'nykh tvoriv poeta. New York, [illegible] 1963. 118 p.
(CaOTU)

Shakh, Stepan. [Father Markhian Shashkevych and the Galician renaissance of a jubilee publication on the anniversary of the birth of the poet] O. Markhian Shashkevych ta halyts'ke vidrodzhennia, tvir vydannia u 150-littia narodyn poeta. Paris, [illegible] 229 p. illus. (Vydannia Ukrains'koho khaty[illegible] rukhu, no. 2)
(CaOTU)

Shakh, Stepan. [The 150th anniversary of the birth of Father Markhian Shashkevych; the 1961 jubilee] U 150-littia narodyn o. Markhiana Shashkevycha, 1961 rik iuvileiv. Munich, Khrystiians'kyi [illegible] 143 p. illus.
(CaOTU)

SHAVYKIN, DMYTRO MYKOLAIOVYCH, 1893

Lobanova-Rostovs'kyi, B. P. Dmytro Mykolaiovych Shavykin. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1962. 20 p. illus. (MH)

SHCHUKAREV, SERGEI ALEKSANDROVICH, 1[illegible]

Sergei Aleksandrovich Shchukarev; on his 70th [illegible] Vest. LGU. 18 no. 16:155-6 '63.

SHCHUKIN, BORIS VASIL'EVICH, 1864-1939

Khersonskii, Kh. N. [Boris Shchukin, an actor's [illegible] Borís Shchukin, put' aktera. Moskva, Gos[illegible] "Iskusstvo," 1954. 273 p.

SHEARS (MACHINE TOOLS)

Experimental investigation of disk shears. A. [illegible] E. V. Pal'mov. Izv. vys. ucheb. zav.; chernaia [illegible] no. 8:181-184 '63.

SHEBEKINO—BAKERIES

New bakery in Shebekino. N. Ignatenko. Khleb[illegible] prom. 7 no. 10:17 O '63.

SHEEP see subdivision under Stavropol Territory

SHEEP—DISEASES AND PESTS see subdivision under Czechoslovakia

SHEEP—FEEDING AND FEEDS

Digestion processes in sheep fed corn silage [illegible] with carbamide. N. D. Likhonosova. Trudy [illegible] 214-217 '62.

Digestive and metabolic processes in the gastric tract of sheep receiving various amounts of [illegible] sulfur and nitrogen in their rations. N. P. [illegible] Visnyk sil'hosp. nauky. 6 no. 4:103-112 Ap '63.

Effect of cobalt on the increase of the utilization of carbamide nitrogen by sheep. A. V. Medianik, [illegible] tskaia, A. M. Kholmanov. Trudy VIZH. 33 [illegible]

SHEEP BREEDING

Ozhin, F. V. [Artificial insemination of sheep] Iskusstvennoe osemenie ovets. Moskva, Izd-vo M-va sel'. khoz. RSFSR, 1962. 106 p.
(DNAL)

SHEET IRON

Machine tool for working sheet iron. N. Dmitriev. Stroitel' 9 no. 10:14 O '63.

SHEET-METAL WORK

Automatic control of the die stamping of contactors. G. T. Sikun, V. P. Ivashkevich. Kuz.-shtam. pr[illegible] 5 no. 9:45-47 S '63.

Device for curling edges of a steel sheet. I. S. Shapatolian. Mashinostroitel' no. 11:16 N '63.

Garago, O. A., V. A. Shelekhov, and I. M. Dalliasnyi, eds. [Improvement of forging and die-stamping operations] Sovershenstvovanie kuznechno-shtampovochnogo proizvodstva, obobshchenie opyta Ural'skikh zavodov. Mashgiz, 1963. 215 p.

New technology of rolling structural elements; a review. F. K. Alekseev. Avtom. svar. 16 no. 5:91 My '63.

Review of V. G. Shal'nev's book "Expanding methods of metalworking by pressure." I. IA. Tarnovskii, V. B. Mashkov, A. A. Garago. Kuz.-shtam. proizv. 5 no. 9 47-48 3 of cover S '63.

Smirnov-Altaev, G. A., and D. A. Vaintraub. [Cold stamping in the manufacture of instruments] Kholodnaia shtampovka v priborostroenii. Izd. 2., perer. i dop. Moskva, Mashgiz, 1963. 434 p.

SHEET-METAL WORKING MACHINERY

Combination die for the blanking of rotor and stator plates by means of an air-hydraulic pressure transmitter. V. F. Nedeserov. Kuz.-shtam. proizv. 5 no. 10:41-43 O '63.

Large and cam gear bending machine for more than 90° flange bending on sheet-metal parts. B. N. Liubarskii, A. M. Ol'sha. Kuz.-shtam. proizv. 5 no. 9 41-45 S '63.

Semiautomatic machine for clamp bending. V. G. Kovalenko. Kuz.-shtam. proizv. 5 no. 9 43-44 S '63.

SHEET PILING

How to drive sheet-piling better. M. Vlasenko. Voen. vest. 41 no. 11:119-120 N '61.

SHEET PILING—TESTING

Full-scale investigation of deformations in an anchored sheet piling. S. Kozlov. Mor. flot 23 no. 9 40-41 S '63.

SHEGARSKIY DISTRICT—COOPERATIVE SOCIETIES

Captives of bad management, materials of a surprise inspection. Sov. potreb. koop. 7 no. 8:44-45 Ag '63.

SHEGARSKIY DISTRICT—LEPTOSPIROSIS

Natural leptospirosis focus in Shegarskyi District, Tomsk Province [with summary in English]. V. N. Novikova and others. Trudy TomNIIVS 12 65-69 '60.

SHEGARSKIY DISTRICT—RODENTS AS CARRIERS OF DISEASE

Natural leptospirosis focus in Shegarskyi District, Tomsk Province [with summary in English]. V. N. Novikova and others. Trudy TomNIIVS 12 65-69 '60.

SHEINBERG, OVSEI ABRAMOVICH

On the 40th anniversary of O. A. Sheinberg's medical and scientific activities. Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 4 377 Jl-Ag '62.

SHELL ROOFS see Roofs, Shell

SHELLAC—PHYSIOLOGICAL EFFECT

Gastrolith formation following systematic drinking of shellac, abstract. S. A. Perevoshchikov. Kaz. med. zhur. no. 1:110-111 Ja-F '61.

SHELVING (FOR BOOKS)

Shelves for children's libraries. E. Kuznetsov. Bibliotekar' no. 9:37-38 S '63.

SHEMAKHA DISTRICT—FISHES, FOSSIL

Fossil fishes of Shemakha District. Zh. Dzhafarova. Izv. AN Azerb. SSR, Ser. geol.-geog. nauk i nefti no. 1 15-20 '63.

SHEPETOVKA (KHMEL'NITSKIY PROVINCE)—SUGAR MANUFACTURE

Production of powdered sugar in the Shepetovka Sugar Combine. I. Sorokin. Sakh. prom. 37 no. 11:54-55 N '63.

SHEPHERDS see subdivision under Tajikistan

SHEVCHENKO, TARAS, 1814-1861

Following the paths of Taras. IE. A. Pasichnyk. Rad. shk. 42 no. 10:36-41 O '63.

On the occasion of the 150th birthday of T. H. Shevchenko: Shevchenko's anniversary in schools. K. O. Khodosov. Ukr. mova i lit. v shkoli 13 no. 7:30-45 S '63.

Shevchenko, T. H. [Taras Shevchenko; his artist legacy] Taras Shevchenko; mystets'ka spadshchyna. Red. kollegiia: O. I. Bilets'kyi i dr. Kyiv, Vyd-vo Akad. nauk URSR, 1961- 4 v. (NcD)

T. Shevchenko's unknown letter. B. Brodovs'kyi. Ukraina no. 13:18 Je '61.

"Traditions of T. H. Shevchenko in Ukrainian literature (pre-October period)" by I. I. Pilhuk. Reviewed by M. P. Pyvovarov. Ukr. mova i lit. v shkoli 13 no. 7:82-84 S '63.

SHEVTSOV, IVAN MIKHAILOVICH

When youth is maturing. S. Novikov. Sov. profsoiuzy 18 no. 17:47 S '63.

SHIGELLA

(see also subdivision under Tomsk)

Behavior of dysentery bacteria in an external medium. G. P. Kalina and others. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4:5-10 '60.

Irreversible changeability of dysentery bacteria in lactate products. G. P. Kalina. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4:61-67 '60.

Nature of paragglutinating strains of intestinal bacteria obtained from the Stalin Water Works. P. P. Ponomareva. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4 15-17 '60.

"Pseudodestruction" of dysentery bacteria in lactate products such as sour cream and sour milk and methods for the detection of "secondary cultures." G. P. Kalina. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4 60-63 '60.

Sensitivity of dysentery bacteria to streptomycin, levomycetin and biomycin [with summary in English]. M. I. Khomullo, T. I. Bystritskaia. Trudy TomNIIVS 12 135-139 '60.

SHILKA VALLEY—LEAD ORES

Shilka zone of the lead-zinc deposits. V. S. Kormilitsyn. Trudy IGEM no. 83:431-442 '63.

SHILKA VALLEY—ZINC ORES

Shilka zone of the lead-zinc deposits. V. S. Kormilitsyn. Trudy IGEM no. 83:431-442 '63.

SHIP HANDLING

Selecting a type of computing device for the automation of ship handling processes. V. Chernyshev. Mor. flot 23 no. 9:20-21 S '63.

Ways of improving the maneuverability of ships. N. V. Koz'yov, D. I. Pogorel'skii. Mor. sbor. 46 no. 7 67-72 Jl '63.

SHIP MODELS

Luchininov, S. T. [Young modelmaker and shipbuilder] IUnyi modelist-korablestroitel' Leningrad, Sudpromgiz, 1963. 191 p.

SHIP PROPULSION

Results of trials and of the first operational voyage of the gas turbine driven ship "Umbales." L. I. Bushanskaia. Sudostroenie 29 no. 9:17-20 S '63.

SHIP PROPULSION, ELECTRIC

Auxiliary modes of operation for the electric propulsion system on ships of the "Dneproges"-type. V. Ivanenko. Mor. flot 23 no. 9 27-28 S '63.

Dynamics of electric ship propulsion systems on icebreakers, during the propeller interaction with ice. A. B. Khaikin. Sudostroenie 29 no. 9:31-35 S '63.

SHIP TRIALS

Maneuverability and the turning qualities of a ship. N. Vasil'ev. Mor. flot 23 no. 9 22-24 S '63.

SHIPBUILDING

(see also subdivision under Bulgaria; Denmark, Gorkiy, Japan; Sweden)

Brief news of foreign navies. Mor. sbor. 46 no. 7:85-88 Jl '63.

For further technological progress in the expansion of reinforced concrete shipbuilding. V. F. Bezukladov. Sudostroenie 29 no. 9:39 S '63.

From materials of reporting conferences. Sudostroenie 29 no. 9:73-75 S '63.

Method of increasing the strength and water-tightness of shipbuilding concrete during conditions of its rapid high-temperature curing. A. A. Kudriavtsev, IU. I. Pryshchenko. Sudostroenie 29 no. 9:40-43 S '63.

Out-of-town session of the Technical Council on reinforced concrete shipbuilding. Sudostroenie 29 no. 9: 77-78 S '63.

Using plastic parts in shipbuilding and ship repairs. P. M. Bulov. Sudostroenie 29 no. 9:57-59 S '63.

Work of the primary organization of the Scientific Technological Society in the Technical School of Shipbuilding. M. P. Sanchurskii. Sudostroenie 29 no. 9:77 S '63.

SHIPBUILDING—BIBLIOGRAPHY see Bibliography—Shipbuilding

SHIPBUILDING—INFORMATION SERVICES

Improving information work at enterprises and in organizations of the shipbuilding industry. A. L. Gendin. NTI no. 7:5-6 '63.

SHIPBUILDING MATERIALS

Mooring fittings and towing equipment parts made of fiberglass. S. I. Kozhushniak, L. S. Rakhman, N. I. Rumiantsev. Sudostroenie 29 no. 9:51-52 S '63.

SHIPFITTING

Mechanized reseating of valves. Mor. flot 23 no. 8:28 Ag '63.

Paller, A. M., and V. F. Sokolov. [Shipfitter] Sudovoi slesarshchik. Leningrad, Sudpromgiz, 1963. 327 p.

SHIPPING—ABSTRACTS

[Water transportation] Ref. zhur.: Vod. transp. no. 11 N '63.

SHIPS

Oceanographic vessels of the world. L. I. Itskevich. Okeanologiia 3 no. 4 758 '63.

SHIPS—CARGO

Flow sheet of the direct method of cargo handling operations by harbors and railroads. A. Poturnak. Mor. flot 23 no. 8:9-10 Ag '63.

SHIPS—EQUIPMENT AND SUPPLIES

Arlatov, IU. K. [Auxiliary mechanisms on ships] Sudovye vspomogatel'nye mekhanizmy. Izd. 2., ispr. i dop. Pod obshchei red. I. I. Krakovskogo. Moskva, Izd-vo "Rechnoi transport," 1963. 290 p.

SHIPS—MAINTENANCE AND REPAIR

Deck covering made of synthetic materials. P. Turchin. Mor. flot 23 no. 8:35 Ag '63.

Navigation without accidents. Mor. flot 23 no. 8:20 Ag '63.

Standardization of parts in ship repairing with the use of adapter sets. M. Chuprinkov. Mor. flot 23 no. 9 38-39 S '63.

Using plastic parts in shipbuilding and ship repairs. P. M. Bulov. Sudostroenie 29 no. 9:57-59 S '63.

Welded sternpost. P. A. Orekhov, V. I. Kukushkin. Svar. proizv. no. 10 35-36 O '63.

SHIPS—PAINTING

New compositions of skidproof mastics for river boats. IU. K. Matasov. Lakokras. mat. i ikh prim. no. 4:44-45 '62.

SHIPS, CONCRETE

For further technological progress in the expansion of reinforced concrete shipbuilding. V. F. Bezukladov. Sudostroenie 29 no. 9:39 S '63.

Method of increasing the strength and water-tightness of shipbuilding concrete during conditions of its rapid high-temperature curing. A. A. Kudriavtsev, IU. I. Pryshchenko. Sudostroenie 29 no. 9:40-43 S '63.

Out-of-town session of the Technical Council on reinforced concrete shipbuilding. Sudostroenie 29 no. 9: 77-78 S '63.

SHIPWRECKS

Tragedy on the ocean. D. Eidel'man. Mor. flot 23 no. 9 42-43 S '63.

SHIRTS, MEN'S

Making patterns for men's shirts for stout and nonstandard figures. N. D. Slavitan, A. P. Levyts'kyi. Leh. prom. no. 3:39-41 Jl-S '63.

SHISHKIN, BORIS KONSTANTINOVICH, 1886-1963

Boris Konstantinovich Shishkin; an obituary. Izv. AN SSSR, Ser. biol. 28 no. 5:775-778 S-O '63.

In memory of Boris Konstantinovich Shishkin (1886-1963). E. G. Pobedimova, L. P. Sergievskaia. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2:132-134 '63.

SHNITSER, LEV MARKOVICH, 1888-

L. M. Shnitser; on his 75th birthday. G. V. Aleksenko and others. Elektrichestvo no. 11:87-88 N '63.

SHOCK ABSORBERS

Analytic expression of the characteristics of a rubber-cord pneumatic shock absorber. V. V. Ignatenko. Izv. vys. ucheb. zav.; mashinostr. no. 7:93-107 '63.

Frostproof shock absorber rubbers for the rolling stock. L. E. Vinitskii, N. A. Krasnova, O. N. Mal'tseva. Trudy TSNII MPS no. 267:113-123 '63.

Selecting rubber for the shock absorbers of the central support cones of the VL60 locomotive. Z. A. Blinova and others. Trudy TSNII MPS no. 267:107-112 '63.

SHOCK ABSORBERS—TESTING

Determining the dynamics parameters of rubber shock absorbers. V. N. Poturaev. Kauch. i rez. 22 no. 9:24-27 S '63.

Work of friction materials in a shock absorber. L. N. Nikol'skii, I. V. Selinov, B. G. Keglin. Vest. mashinostr. 43 no. 10:33-37 O '63.

SHOCK WAVES

Approximate equation of state of solid bodies. V. M. Gogolev, V. G. Myrkin, G. I. IAblokova. PMTF no. 5: 93-98 S-O '63.

Calculating discontinuities of gas parameters at the front of a stellar shock wave. I. A. Klimishin. TSir. Astron. obser. L'viv. un. no. 39/40:11-17 '63.

Course of the reaction in a detonation wave of mixed explosives. A. IA. Apin, I. M. Voskoboinikov, G. S. Sosnova. PMTF no. 5:115-117 S-O '63.

Determining the form of the shock wave in case of the flow of a gas stream around thin bodies. A. M. Antonov, M. M. Sidliar. Dop. AN URSR no. 12:1656-1660 '61.

SHOCK WAVES (Continued)
Interaction of a shock wave and scattering of explosion [illegible] with an [illegible] V. Shuleikin. PMTF no 5 107-114 O '63.

Investigation of [illegible] in a plasma, using the [illegible] G. E. Dilanchekov, V. S. Imshennik, [illegible] with magnetic [illegible] Zhur. tekh. fiz. 33 no. 8 915-920 Ag '63.

Interaction of shock waves. R. V. Antonova and others. Zhur. tekh. fiz. 33 no. 9 1107-1115 S '63.

Investigation of [illegible] waves in magnetohydrodynamics. V. I. Feodos'ev, T. D. Iakovlev. Zhur. tekh. fiz. 33 no. 10 1205-1209 O '63.

Kompaneets, A. S. [Shock waves] Udarnye volny. Moskva, Fizmatgiz, 1963. 90 p.

Propagation of plane traveling shock waves of loading and [illegible] unloading in models simulating deformations of soils. N. Zhubaev. Vest. AN Kazakh. SSR 19 no. 7 [illegible]-84 S '63.

Reflection of [illegible] shock from a barrier. N. V. [illegible] Iu. V. Rabe. Prikl. mat. i mekh. 27 no. 1, 81-103 [illegible]-I '63.

Rotational relaxation in a plane-parallel rarefaction [illegible] V. A. Arkhipov, L. I. Severino. PMTF no. 5 [illegible] S-O '63.

Shock waves in a plasma in the absence of collisions [with summary in English] R. V. Polovin. Ukr. fiz. zhur. 8 no. 8 830-834 Ag '63.

Stress waves in solid rocks. E. I. Shemiakin. PMTF no. 3 143-148 S-O '63.

Structure of the front of a shock wave propagating at an angle to a magnetic field in a rarefied plasma. V. I. Karpman. Zhur. tekh. fiz. 33 no. 8 959-966 Ag '63.

Theory of the diffraction of weak shock waves by contours of arbitrary shape. I. G. Filippov. Prikl. mat. i mekh. 27 no. 1 75-84 Ja-F '63.

SHOE INDUSTRY
(see also subdivision under Kalinin, Lvov Province, Mingitogorsk, Tashkent)

Footgear out of synthetic materials. I. Shablanov. Sov. torg. 36 no. 3, 40-41 Ag '63.

Modernized standard KPSO-3 conveyor. M. M. Lakhno. Leh. prom. no. 3 44-45 Jl-S '63.

SHOE MANUFACTURE

A machine for shoe lasting by the gluing method. M. A. Hotovitskaia, H. S. Nadirashvili, L. B. Rozovs'ka. Leh. prom. no. 3 45-47 Jl-S '63.

Control of the thermal conditions of lamp thermostats in the drying of footwear by infrared rays. V. V. Bielozub, V. I. Petrochenko, M. A. Skyruta. Leh. prom. no. 3 11-14 Jl-S '63.

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii legkoi promyshlennosti. [Improving the cementing process of assembly in shoe manufacture] Sovershenstvovanie kleevykh metodov krepleniia v obuvnom proizvodstve. Moskva, 1963. 52 p. [MICROFILM]

SHOEMAKERS see subdivision under Kiev

SHOOTING

How shall we achieve the standard of the second class? V. Kaliberda, I. Rabinovich, A. Belousova. Voen. znan. 39 no. 10 32 O '63.

SHOOTING, MILITARY

Characteristics of antiaircraft field firing. E. Makrov. Voen. vest. 41 no. 11, 84-85 N '61.

In order to hit the target with the first shot. B. Pekh. Voen. vest. 41 no. 11 105-108 N '61.

Inexcusable errors. D. Derzhavin. Voen. vest. 41 no. 11 125 N '61.

Long-range fire. N. Karavaev. Voen. vest. 43 no. 7 101-103 Jl '63.

Organization of fire from an armored carrier. P. Kramarenko, I. Fedotenkov. Voen. vest. 43 no. 7 104-106 Jl '63.

Pay more attention to firing from direct laying. K. Savchenko. Voen. vest. 41 no. 11:108-110 N '61.

Training in firing from tanks. V. Odinokov, I. Voroshnin. Voen. vest. 41 no. 1:104-108 Ja '62.

SHOOTING, MILITARY—EQUIPMENT AND SUPPLIES

Audible imitation of sounds of firing. V. Uspenskii. Voen. vest. 41 no. 1:114-116 Ja '62.

Collapsible spade for a sighting device. L. Kochkin. Voen. vest. 41 no. 11:120 N '61.

Computation of data with an instrument. B. Martynov. Voen. vest. 41 no. 11 111-112 N '61.

Frame for imitating the movement of an armored carrier. I. Rzhevskii. Voen. vest. 41 no. 11:115-117 N '61.

SHORE PROTECTION
(see also subdivision under Baltic Sea, Colchis)

Comparison of variants for stabilizing the sea shore with jetties or breakwaters. A. M. Zhdanov. Transp. stroi. 12 no. 3 45-46 Mr '62.

SHORELINES

"Stability of coastal inlets" [in English] by P. Bruun, F. Gerritsen. V. P. Zenkovich, V. N. Mikhailov. Okeanologiia 1 no. 3 566-568 '61.

SHORT STORY

Art of the whole complex, remarks on the contemporary story. M. Chudakova, A. Chudakov. Nov. mir 39 no. 2 239-254 F '63.

SHPIRT, A. IU., 1903-

The most important works of A. IU. Shpirt on his 60th birthday. Nar. Az. i Afr. no. 5 219-220 '63.

SHRIMPS see subdivision under Mingechaur Reservoir, Varvara Reservoir

SHTURMAN, GRIGORII ISAEVICH, 1903-

Professor G. I. Shturman, on his 60th birthday. S. N. Gordenskii and others. Elektrichestvo no. 11 87 N '63.

SIBERIA—ARCHITECTURE—STUDY AND TEACHING

Problems of training architects in Siberia and the Urals. V. Perlin, G. Nagornanskii. Arkhit. SSSR no. 8 44-51 '63.

SIBERIA—ARCHIVES

Results of the Coordinating Conference of the Historians and Archivists of Siberia and the Far East. L. M. Goriushkin. Izv. SO AN SSSR no. 1, Ser., obshchestv. nauk no. 1 119-121 '63.

SIBERIA—BOTANY—CONGRESSES

Scientific Coordination Conference on the Studies of Vegetation of Siberia and the Far East. T. G. Popova, A. V. Kuminova. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2 136-139 '63.

SIBERIA—ECONOMIC CONDITIONS

Basic stages and development rate of the productive forces in Siberia. V. A. Perevushin. Izv. SO AN SSSR no. 1, Ser. obshchestv. nauk no. 1:28-37 '63.

SIBERIA—ECONOMIC GEOGRAPHY

Basic problems of the distribution of the productive forces of Siberia and the Far East. N. N. Nekrasov. Izv. SO AN SSSR no. 1, Ser. obshchestv. nauk no. 1: 12-21 '63.

SIBERIA—ECONOMIC RESEARCH

Development of the economic research in Siberia. G. A. Prudenskii. Izv. SO AN SSSR no. 1, Ser. obshchestv. nauk no. 1:5-11 '63.

Meeting of the United Academic Council of Economic Sciences of the Siberian Branch of the Academy of Sciences of the U. S. S. R. L. V. Malinovskii. Izv. SO AN SSSR no. 1, Ser. obshchestv. nauk no. 1:113-115 '63.

SIBERIA—ELECTRIC LINES

The country of the lines of electric power transmission. G. Volodin. Mol. komm. no. 10:54-59 O '63.

SIBERIA—FOLKLORE STUDIES

Koshelev, IA. R. [Russian folklore studies in Siberia during the 19th and the beginning of the 20th century] Russkaia fol'kloristika Sibiri XIX - nachalo XX vv. Tomsk, Izd-vo Tomskogo univ., 1962. 347 p. (RPB)

SIBERIA—FROST PROTECTION

Snow and the wintering of roots of fruit and berry crops. G. V. Vasil'chenko. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2:116-118 '63.

SIBERIA—GEOGRAPHY

Foreword. V. Sochava. Sib. geog. sbor. no. 2:3-6 '63.

SIBERIA—GRAVITY

Practice of conducting semidetailed gravity surveys under the taiga conditions of Siberia. A. P. Egorov, L. D. Nemtsov. Razved. i prom. geofiz. no. 42:62-71 '61.

SIBERIA—HISTORICAL GEOGRAPHY—MAPS

On the 1667 "printed" plan of Siberia. B. P. Polevoi. Sib. geog. sbor. no. 2:248-257 '63.

SIBERIA—HISTORY

Some problems in the history of Siberia [with summary in English, pp. 220-221]. V. I. Shunkov. Vop. ist. 38 no. 10 60-70 O '63.

SIBERIA—INDUSTRIAL MANAGEMENT

Economic problems concerning the first stage of operation of new enterprises. V. S. Sominskii. Izv. SO AN SSSR no. 1, Ser. obshchestv. nauk no. 1:22-28 '63.

SIBERIA—LANGUAGES

Languages of the peoples of Siberia in the period of the large-scale building of communism. V. A. Avrorin. Izv. SO AN SSSR no. 1, Ser. obshchestv. nauk no. 1:102-112 '63.

SIBERIA—MEDICAL GEOGRAPHY

Study of the medical geography of Siberia and the Far East during the prerevolutionary period. I. A. Khlebovich. Sib. geog. sbor. no. 2:237-247 '63.

SIBERIA—NATIVE RACES

Some problems in the history of Siberia [with summary in English, pp. 220-221]. V. I. Shunkov. Vop. ist. no. 10 60-70 O '63.

SIBERIA—ORNITHOLOGY

Distribution and number of forest birds during the winter in the southern part of central Siberia. [illegible] Sib. geog. sbor. no. 2 110-131 '63.

SIBERIA—PALEOBOTANY, STRATIGRAPHIC

Features of the vegetation cover of [illegible] glacial Siberia. R. E. Gitermann and others. Dokl. AN SSSR 152 no. 1, 937-940 O '63.

SIBERIA—PEAS—HARVESTING

Two-phase windrowless method for harvesting [illegible]. E. Raksha. Tekh. v sel'khoz. '63 no. 7 [illegible]-54 '63.

SIBERIA—PUBLIC HEALTH—CONGRESSES

"Transactions of the Medicohistorical Conference [illegible] Ural-Siberian Province." Reviewed by [illegible] skii. Zdrav. Ros. Feder. 7 no. 11 [illegible] '63.

SIBERIA—RAILROADS—DESIGN AND CONSTRUCTION

Somewhere there, across the pass. Mikhailov. Ogonek 41 no. 38 16 S '63.

SIBERIA—RAILROADS—ELECTRIFICATION

Work organization in electrification of the railroads of Siberia. IU. L. Donets. Transp. stroi. 12 no. 10 [illegible] O '63.

SIBERIA—RAILROADS—EMPLOYEES—DISEASES AND HYGIENE

Work conditions have been improved and [illegible] mechanization is in sharp decline. V. A. Ilushin. Gudok [illegible] tiaga 7 no. 10:1-3 O '63.

SIBERIA—RELIGION

Uncle IAkov. P. Dvin. Nauka i rel. [illegible] '63.

SIBERIA—REVOLUTION, 1917-1921

Dvorianov, N. V., and V. N. Dvorianov. [In the [illegible] front areas of the Kolchak Army] V tylu kolchakovtsa. Moskva, Sotsekgiz, 1963. 174 p.

Work of the underground organizations of the [illegible] in Siberia, 1919-1919. Submitted by K. [illegible] al [illegible], A. IA. Kazakov. Ist. arkh. 8 no. 2: 98-119 [illegible]

SIBERIA—SNOW

Snow and the wintering of roots of fruit and [illegible] G. V. Vasil'chenko. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2 116-118 '63.

SIBERIA—SOIL TEMPERATURE

Soil temperature during the winter in the [illegible] Siberia and northern Kazakhstan. I. S. Gaevskaia [illegible] Meteor. i gidrol. no. 11:35-38 N '61.

SIBERIA—SOILS

Originality of the genetic types of Siberian [illegible] I. P. Gerasimov. Sib. geog. sbor. no. 2 7-27 '63.

SIBERIA—VOLCANIC ASH, TUFF, ETC.

Lower Carboniferous volcanism in the [illegible] Siberia and the Mongolian People's Republic. [illegible] Gratzer. Dokl. AN SSSR 152 no. 6 1421-[illegible]

SIBERIA—WOODWORKING INDUSTRIES

Parameters of woodworking combines in [illegible] the Far East. D. Fogel', A. Belinkii. [illegible] no. 6:25-27 Je '62.

SIBERIA—ZOOLOGY—CONGRESSES

Second Conference of the Zoologists of Siberia. P. F. Iurlov, G. S. Zolotarenko. Izv. SO AN SSSR [illegible] biol.-med. nauk no. 2:134-136 '63.

SIBERIA, EASTERN—ECONOMIC GEOGRAPHY

Characteristics of the economic development of the southern taiga regions of Eastern Siberia. V. P. [illegible] skii, A. A. Grigor'eva. Sib. geog. sbor. no. 2 [illegible] '63.

SIBERIA, EASTERN—HYDROELECTRIC POWER STATIONS

Use of electronic computers in water power [illegible] in designing series of hydroelectric power sta[illegible] Eastern Siberia. A. Sh. Reznikovskii, I. M. [illegible] Izv. AN SSSR. Energ. i transp. no. 4 539-545 Jl-Ag '63.

SIBERIA, EASTERN—PALEOBOTANY, STRATIGRAPHIC

New palynologic data on the development of vegetation of the northeastern U. S. S. R. in the Quaternary. A. K. Lorkhin. Dokl. AN SSSR 152 no. 4 940-942 O '63.

SIBERIA, EASTERN—SNOW

Evaluating of the amount and role of snow transfer in the formation of the snow cover in the northeastern U. S. S. R. S. A. Rakita. Sib. geog. sbor. no. 2 [illegible] '63.

SIBERIA, WESTERN—BIBLIOGRAPHY

[Literature on Western Siberia, 1960] Lit. o Zap. Sib 1960 No 2 '62.

SIBERIA, WESTERN—DRAINAGE

State and development of water economy in Western Siberia. V.P.Boguslavskii, A.D.Davydov, M.P.Razumeikii. Trudy OmSKhI 41:3-12 '60.

SIBERIA, WESTERN—ENCEPHALITIS

Materials on the nosogeography of tick-borne encephalitis in Western Siberia [with summary in English]. S.P. Karpov, A.G.Kolmakova. Trudy TomNIIVS 12:7-17 '60.

SIBERIA, WESTERN—GAS, NATURAL

The petroleum virgin lands of Siberia. N. Zapivalov, K. Shpil'man. Agitator no.16:17-19 Ag '64

SIBERIA, WESTERN—HARVESTING MACHINERY

I.A.KVU-2 window mover. N.Filatov, V.Nedoveesov. Tekh.sel'khoz. 23 no.8:86-88 Ag '63.

SIBERIA, WESTERN—INSECTS, INJURIOUS AND BENEFICIAL

Arthropoda from the chipmunk nests in tick-borne encephalitis foci [with summary in English]. N.I.Igolkin. Trudy TomNIIVS 12:13-17 '60

SIBERIA, WESTERN—LAND TENURE

Characteristics of the agrarian relations on the state owned lands of Western Siberia in the 30's to the 80's of the 18th century. M.M.Gromyko. Izv. SO AN SSSR ser. I, Ser. obshchestv. nauk no.1,90-101 '63.

SIBERIA, WESTERN—LITERATURES

Land of new addresses. N.Kozhevnikova, N.Sergovantsev. Oktiabr' 39 no.12:196-201 D '62.

SIBERIA, WESTERN—MACHINE-TOOL INDUSTRY—COSTS

Specialization of metal-cutting workshops is the important condition for reducing cutting tool costs. A.K. Zaplanov. Vest. Mosk. un. Ser. 6. Ekon., filos. 18 no.4 77-85 Jl-Ag '63.

SIBERIA, WESTERN—PARASITES—CHIPMUNKS

Arthropoda from the chipmunk nests in tick-borne encephalitis foci [with summary in English]. N.I.Igolkin Trudy TomNIIVS 12:13-17 '60

SIBERIA, WESTERN—PETROLEUM INDUSTRY

The petroleum virgin lands of Siberia. N. Zapivalov, K. Shpil'man. Agitator no.16:17-19 Ag '63.

SIBERIA, WESTERN—PINNIPEDIA, FOSSIL

Morphological differences between the Necromites Nestoris and the family Smantoridae (Mammalia, Pinnipedia). G.M. Akhundov. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk i nefti no.3,9-14 '63.

SIBERIA, WESTERN—POULTRY

Tasks and prospects of raising poultry for meat in Western Siberia. M.L. Shigaeva. Sbor. rab. mol. uch. VNIIP no.4:9-14 '62.

SIBERIA, WESTERN—RAILROADS—FREIGHT

Concerning the work conditions of the Western Siberian Railroad under the new operation system of Kuznetsk Basin coal mines. G.A.Balokin. Trudy NIIZHT no.25, 83-100 '61.

SIBERIA, WESTERN—RUNOFF

Calculating the parameters of probability curves of the annual runoff for rivers of the southern areas of Western Siberia and northern and central Kazakhstan. V.M. Shmakov. Trudy OmSKhI 41:149-161 '60.

SIBERIA, WESTERN—SAND

Relationship between the deformation modulus of West Siberian dusty sands and the porosity coefficient I.G. Ermakov, V.I.Sharov. Trudy NIIZHT no.26:151-154 '62.

SIBERIA, WESTERN—TICKS AS CARRIERS OF DISEASE

Materials on the nosogeography of tick-borne encephalitis in Western Siberia [with summary in English]. S.P Karpov, A.G.Kolmakova. Trudy TomNIIVS 12:7-17 '60.

SIBERIA, WESTERN—WATER SUPPLY, RURAL

State and development of water economy in Western Siberia. V.P.Boguslavskii, A.D.Davydov, M.P.Razumeikii. Trudy OmSKhI 41:3-12 '60.

SIBERIA, WESTERN—WHEAT

Optimal soil moisture and the yield of spring wheat in Western Siberia and the northern half of Kazakhstan. K. V. Kirillicheva. Meteor. i gidrol. no.11:43-47 N '63.

SIBERIAN PLATFORM—GAS, NATURAL—GEOLOGY

Sibirskii nauchno-issledovatel'skii institut geologii, geofiziki i mineral'nogo syr'ia. [Geology and prospects for finding oil and gas in the northwestern part of the Siberian Platform] Geologicheskoe stroenie i perspektivy neftegazonosnosti severo-zapada Sibirskoi platformy. Leningrad, Gostoptekhizdat, 1963. 183 p. (Its Trudy, no. 28)

SIBERIAN PLATFORM—GEOLOGY

Sibirskii nauchno-issledovatel'skii institut geologii, geofiziki i mineral'nogo syr'ia. [Geology and prospects for finding oil and gas in the northwestern part of the Siberian Platform] Geologicheskoe stroenie i perspektivy neftegazonosnosti severo-zapada Sibirskoi platformy. Leningrad, Gostoptekhizdat, 1963 183 p (Its Trudy, no 28)

SIBERIAN PLATFORM—GEOLOGY, STRUCTURAL

Structure of the basement in the southeastern part of the Siberian Platform. L. V. Bulina. Izv. AN SSSR Ser. geol. 28 no.10, 30-37 O '63

SIBERIAN PLATFORM—PETROLEUM GEOLOGY

Sibirskii nauchno-issledovatel'skii institut geologii, geofiziki i mineral'nogo syr'ia. [Geology and prospects for finding oil and gas in the northwestern part of the Siberian Platform] Geologicheskoe stroenie i perspektivy neftegazonosnosti severo-zapada Sibirskoi platformy. Leningrad, Gostoptekhizdat, 1963 183 p (Its Trudy, no. 28)

SIBERIAN PLATFORM—ROCKS, IGNEOUS—MAGNETIC PROPERTIES

Study of the magnetic properties of trap rocks in the southern part of the Siberian Platform [with summary in English]. V. V. Metallova, G. S. Fainberg. Vest. LGU 18 no.18:46-52 '63.

SIEROZEM see subdivision under Uzbekistan

SIEVES

Use of arc screens for the classification of sand and gravel materials. IU. V Bubis, V. M. Zon. Stroi. mat. 9 no.7 11-13 Jl '63.

SIGNALS AND SIGNALING—AUDIO-VISUAL AIDS

Stand for light signals. F. Pavlychev. Prof.-tekh. obr. 20 no.9,18 S '63.

SIKHOTE-ALIN' RANGE—METEORITES

Akademiia nauk SSSR. Komitet po meteoritam. [Sikhote-Alin' iron meteorite shower] Sikhote-Alinskii zheleznyi meteoritnyi dozhd'. Moskva, Izd-vo Akad. nauk SSSR, Vol. 2. 1963, 370 p. illus.

SILANE

Interaction of glycide ethers of phenols with organochlorosilanes. K.A. Andrianov, G.A. Kuzakov, L.M.Khananashvili. Zhur.ob.khim. 33 no.8:2634-2638 Ag '63.

Methylphenyldifluorosilane. M.G.Voronkov, IU.I Skolik. Zhur.ob.khim. 33 no.10 3450 O '63.

Monoorganosilanes. Part 3. Synthesis based on monoorganosilanes. V.A.Prokhorova, V.O.Reikhsfel'd. Zhur.ob.khim. 33 no.8 2617-2626 Ag '63.

Reactions of diphenylmethylene and carbethoxycarbene with alkenylsilanes. I.A. D'iakonov and others. Zhur. ob.khim. 33 no.10 3438-3439 O '63.

Synthesis and properties of trialkyl(p-bromophenoxy)silanes. Part 4. G.V.Golodnikov, G.Kh. Markin. Zhur. ob.khim. 33 no.10:3265-3266 O '63.

SILAZANES

Reactions of polyalkylcyclosilazanes with carboxylic acids. M.M. Morgunova, D.IA. Zhinkin, M.V. Sobolevskii. Zhur.ob.khim. 33 no.10:3268-3270 O '63.

SILESIA—CHURCH PROPERTY

History of the large landed estates of the Cistercian Order in the Lebus region from the 13th through the first half of the 15th century [translated from the Polish]. Z. Wielgosz. Sred.veka no.24,185-198 '63.

SILICA

Catalytic properties of platinized silica gels as dependent on the conditions of their preparation. M.D Adamenkova, O.M. Poltorak Vest. Mosk un. Ser 2, Khim. 18 no.5 12-16 S-O '63.

Effect of initial porosity on the nature of change in pore structure of aluminosilica gels and silica gels during their sintering. A.V. Kiselev, IU.S. Nikitin. Kin.i kat. 4 no.4:648-651 Jl-Ag '63.

Effect of silica gel on the technological properties of clay. N.S. Belostotskaia. Stek.i ker. 20 no.8:22-25 Ag '63.

SILICA—TESTING

Characteristics of the geometric parameters of the surface of various samples of silicon dioxide. Z.N. Shuliak, M.M. Krasukhina, IU.M. Stashenko. Kauch.i rez. 22 no.10:33-34 O '63.

SILICATE BACTERIA see Bacteria, Silicate

SILICATES

(see also subdivision under Soviet Central Asia)

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Inter-republic technical specifications] water-soluble silicate potash (silicate lump) for silicate paints (MRTU 7-8-63);...: liquid potash glass (technical potash silicate) for silicate paints (MRTU 7-9-63); .. pigment portion of silicate paints (MRTU 7-10-63)] Mezhrespublikanskie tekhnicheskie usloviia: silikat kaliia vodorastvorimyi (silikat-glyba) dlia silikatnykh krasok MRTU 7-8-63,...: steklo zhidkoe kaliinoe (silikat kaliia tekhnicheskii) dlia silikatnykh krasok MRTU 7-9-63;.. pigmentnaia chast' silikatnykh krasok MRTU 7-10-63. Moskva, Gosstroiizdat 1963. 27 p.

Toropov, N.A., and V.P. Barzakovskii [High-temperature chemistry of silicate and other oxidic systems] Vysokotemperaturnaia khimiia silikatnykh i drugikh oksisnykh sistem Moskva, Izd-vo Akad. nauk SSSR, 1963, 257 p.

SILICATES—ANALYSIS

Determining the chemical composition of metasilicates by the comparative dispersion method of the double refraction. T.IA. Malysheva, I.A Tikhonov. Izv. AN SSSR Met.i gor.delo no.5:67-72 S-O '63

Role of water in silicates and aminosilicates and methods for determining it. V.A Molia. Trud. RGM no.31 47-67 '62

SILICATES—SPECTRA

Vibrational spectra of silicates with the anions Si_2O_7, A.N. Lazarev, F.I. Tenisheva. Zhur. strukt. khim. 4 no.5,703-707 S-O '63.

SILICIC ACIDS

Cleavage of silicic acid esters under the effect of electronic impact. I.L. Agafonov, N.V Latin. Zhur.ob. khim. 33 no.8 2626-2631 Ag '63.

SILICON—ELECTRIC PROPERTIES

Methodology of measuring the specific resistance of silicon bars using high frequencies. A.M. Pashaev, M.I. Iglitsyn, V.V. Voronkov. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no.3:139-142 '63.

SILICON—PHOTOELECTRIC PROPERTIES

Current carrier recombination on zinc atoms in n-type silicon. K.D. Glinchuk, N.M Litovchenko. Fiz. tver. tela 5 no.10 3003-3005 O '63.

SILICON-ALUMINUM ALLOYS

Sitalls, a new inorganic material in modern technology. N.A. Toropov. Vest. AN SSSR 33 no.10 43-46 O '63.

SILICON COMPOUNDS

Investigating the properties of cement with the GKZh-94 waterproofing organosilicon liquid. V.V. Manzhurenet, A.A. Pashchenko, N.P. Terashchenko. TSement 29 no.4:13-14 Jl-Ag '63.

SILICON-COPPER-ALUMINUM ALLOYS see Aluminum-silicon-copper alloys

SILICON-MAGNESIUM-ALUMINUM ALLOYS see Aluminum-silicon-magnesium alloys

SILICON ORGANIC COMPOUNDS

Catalytic dehydrogenation of γ-trialkylsilylpropyl alcohols. Part 2. G.V. Golodnikov, V.V. Shashurina. Zhur.ob.khim. 33 no.10 3262-3264 O '63.

"Laboratory manual on the analysis of monomeric and polymeric organosilicon compounds" by V.P. Kreshkov and others. Zhur.anal.khim. 18 no.9:1136-1137 S '63

On the border between two chemistries. O. Smyrnikhin Nauka i zhyttia 12 no.3,10-12 Mr '63.

Structure of isomers of 1,3,5-tris(3,3,3-trifluoropropyl)-1,3,5-trimethylcyclotrisiloxane. L.L. Burshtein and others. Zhur.ob.khim. 33 no.8 2788-2790 Ag '63.

Synthesis of mixed silazanes with unsaturated radicals at the silicon atom. D.IA. Zhinkin, N.V. Markova, M.V. Sobolevskaia. Zhur.ob.khim. 33 no.8 2638-2640 Ag '63.

Trisilidiazoxane, a new inorganic heterocycle. K.A. Andrianov, Ionel Khariduk, L.M. Khananashvili. Zhur. ob.khim. 33 no.8,2790-2791 Ag '63.

SILK MANUFACTURE

(see also subdivision under Kiev)

New spinning systems in the silk industry. L.M. Zabelotskii. Biul.tekh.-ekon.inform. Gos.nauch.-issl. inst. nauch.i tekh.inform. 16 no.10 68-71 '63.

SILOS—DESIGN AND CONSTRUCTION

Problems of designing silos for bulk loads. V.I. Litvinenko. Prom.stroi. 41 no.9 25-27 S '63.

SILOS—EQUIPMENT AND SUPPLIES

Centrifugal BN-100 machines for covering surface silos. P.N. Nastenko, G.V. Danilko. Trudy UkrNIISP no.5: 215-220 '59.

SILOXANES

Properties of siloxane elastomers containing Si-H bonds. S.N. Borisov Kauch.i rez. 22 no.10:5-8 O '63.

Some properties of rubbers made from siloxane polymers containing arylene links in the principal chain. S.B. Dolgoplosk and others. Kauch.i rez. 22 no.9 1-2 S '63.

Synthesis of methylvinylhydroxysiloxanes with hydroxyl groups at a silicon atom. M.B. Frommberg, IU.K. Petrashko. Zhur.ob.khim. 33 no.10:3266-3269 O '63.

SILT—OXYGEN CONTENT

Oxygen absorption by pond silt. M.B. Fel'dman. Nauk pratsi Ukr.nauk.-doslid.inst.ryb.hosp. 14:18-21 '62.

SILVER CRYSTALS—DEFECTS

Defects of the crystal lattice due to the quenching of silver heated in air. T. D. Osytyns'ka, V. O. Perekov, V. H. Khotkevych. Ukr. fiz. zhur. 8 no. 8 921-924 Ag '63.

SILVER HALIDE CRYSTALS

Electron mechanism underlying deviations from the law of reciprocal substitution in silver halide crystals. V. M. Fridkin, V. I. Bugrienko. Dokl. AN SSSR 152 no. 6:1346-1349 O '63.

SILVER ISOTOPES

Inelastic scattering of gamma quanta on Ag^{107} nuclei [with summary in English]. O. V. Bogdankevich and others. Zhur. eksp. i teor. fiz. 45 no. 4 882-891 O '63.

SILVER OXIDES

Mechanism and kinetics of the electroluminescence of silver oxide. IU. I. Kharkhanin, IU. V. Vorob'ev. Dokl. AN SSSR 152 no. 4 855-857 O '63.

New modification of Ag_2O with a laminar structure. S. S. Kabalkina and others. Dokl. AN SSSR 152 no. 4:853-854 O '63.

SILVER PLATING

Electrodeposition of silver from noncyanide electrolytes. N. P. Fedot'ev, V. A. Il'in. Zhur. prikl. khim. 36 no. 8 1763-1768 Ag '63.

Silver plating in a cyanic electrolyte containing potassium nitrate. A. I. Rivilina, L. S. Adamov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10 35-36 '63.

SILVER SALMON see subdivision under Amur Liman

SIMFEROPOL'—ENGINEERING LABORATORIES

Laboratory at a motor-vehicle repair plant. R. Il'iashevich. Avt. transp. 41 no. 8 30-31 Ag '63

SIMFEROPOL'—IONOSPHERIC RESEARCH

Akademiia nauk SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. Simferopol', Moskva. (Its: Materialy ionosfernykh issledovanii)
Sept. - Oct. 1957. 1962. 67 p
March - April 1958. 1962 79 p.

SIMFEROPOL'—MOTOR VEHICLES—MAINTENANCE AND REPAIR

Laboratory at a motor-vehicle repair plant. R. Il'iashevich. Avt. transp. 41 no. 8 30-31 Ag '63.

SIMFEROPOL'—PSYCHIATRIC HOSPITALS

Results of three years' work in two-stage service for patients in a Crimean provincial psychoneurological clinical hospital. R. G. Lipanov. Zhur. nevr. i psikh. 63 no. 2:314-316 '63.

SIMILITUDE, THEORY OF

Determination of similitude criteria using a digital computer. IU. N. Astakhov, E. N. Zuev. Izv. AN SSSR. Energ. i transp. no. 4:505-507 Jl-Ag '63.

SIMONOV, KONSTANTIN MIKHAILOVICH, 1915-

War novels by Konstantin Simonov. E. S. Raskina. Uch. zap. Tash. teatr.-khud. inst. no. 5:193-218 '62.

SIMONOV, VASILII L'VOVICH, 1879-

Rogachevskii, V. M. Vasilii L'vovich Simonov. [Leningrad] Leningradskii khudozhnik, 1959. 45., plates. (MH)

SINGLE-RAIL RAILROADS see Railroads, Single-rail

SINOP, BATTLE OF, 1853

Military calendar. Voen. znan. 39 no. 10:40 O '63.

SINTERING

Calculating temperatures during the sintering process. S. G. Bratchikov and others. Izv. vys. ucheb. zav.; chern. met. 6 no. 8:47-53 '63.

Improving the preparation of raw materials for steel smelting. I. I. Bornatskii. Met. i gornorud. prom. no. 5:14-17 S-O '63.

Regulating and measuring vacuum in a sinter strip. I. M. Korobko and others. Met. i gornorud. prom. no. 4 60-64 Jl-Ag '63.

Standardizing methods of investigating the softening of iron ore materials. V. I. Korotich, V. P. Puzanov. Izv. vys. ucheb. zav., chern. met. 6 no. 8:41-46 '63.

SINUSITIS

Etiology of infectious sinusitis (grippe) in ducklings. P. F. TSimokh. Sbor. rab. mol. uch. VNIIP no. 4:203-209 '62.

SIVASH—MINES AND MINERAL RESOURCES

Golden bottom of Sivash. O. Alent'ev. Nauka i zhyttia 12 no. 3:34 Mr '63.

SIVASH REGION (CRIMEA)—TAKYR

Takyr of the Crimean Sivash region. V. G. Ena. Vest. Mosk. un. Ser. 5: Geog. 18 no. 5:73 S-O '63.

SIZING (TEXTILE)

Some results of industrial testing of polyacrylamide for yarn sizing. Kh. M. Zinher, F. S. Sandler. Leh. prom. no. 3:29-32 Jl-S '63.

SKARNS see subdivision under Tien Shan, Uzbekistan

SKATES (FISHES)

"Sea devil." IUn nat. no. 2 29 F '63.

SKATING

Change in the lactic acid content of the blood of skaters when racing. I. K. Sivkov. Teor. i prak. fiz. kul't. 26 no. 1 31-34 Ja '63.

Tactical problems of distance speed skating. E. N. Krasil'nikov. Teor. i prak. fiz. kul't. 26 no. 1:66-69 Ja '63.

SKI TROOPS

Combat maneuvers on skis. A. Salkin. Voen. vest. 41 no. 1:53-57 Ja '62

SKIDEL—SUGAR INDUSTRY

Collective of the Skidel Sugar Combine struggles for the improvement of production indices. I. I. Talutis, V. I. Bachinskaia. Sakh. prom. 36 no. 9 7-10 S '62.

SKIN

Change in the microstructure of the cow skin as related to the season and the lactation period. A. F. Vernichenko. Dokl. TSKHA no. 69:61-67 '61.

Discussion of the trypan blue skin test (Leshchinskii-Kavetskii's test), abstract. M. S. Shneider. Kaz. med. zhur. no. 1:105 Ja-F '61.

SKIN—CANCER

Nucleoproteins in pigmented nevi, precancerous and cancerous diseases of the skin in man [with summary in English]. G. S. TSeraidis. Vest. derm. i ven. 36 no. 10:22-27 O '62.

Review of the book "Precancerosses and primary cancer of the skin" [in German] by Nikolaus Melczer. P. V. Kozhevnikov. Vest. derm. i ven. 36 no. 10:86-89 O '62.

Venkei, T., and J. Sugár. [Malignant tumors of the skin, early diagnosis, pathohistology and treatment] Zlokachestvennye opukholi kozhi, ranniaia diagnostika, patogistologiia i techenie. Budapest, Izd-vo Akad. nauk Vengrii, 1962. 341 p. illus.
(DNLM)

SKIN—DISEASES

(see also subdivision under Kurile Islands, Ryazan)

Abstracts. G. Shinskii, M. V. Veksel', A. I. Sakhnovskaia. Vest. derm. i ven. 36 no. 10:90-92 O '62.

Acrodermatitis enteropathica [with summary in English]. M. G. Mirzoeva. Vest. derm. i ven. 36 no. 10:35-38 O '62.

Antitoxic immunity in staphyloderma [with summary in English]. M. I. Rivlin. Vest. derm. i ven. 36 no. 10:13-16 O '62.

Dermatitis arising from contact with fraxinella. V. N. Shaipenko. Vest. derm. i ven. 36 no. 10:82-83 O '62.

Diagnostic importance of the vascular formations of the skin (spider angiomas) in children. K. V. Kuvaeva. Trudy mol. nauch. sotr. MONIKI no. 1:133-135 '59.

Gangrene of the skin erythroderma desquamativum in an infant. F. A. Zver'kova, N. V. Litvinok. Vest. derm. i ven. 36 no. 10:77-79 O '62.

Ivanov, N. A. [Treatment of some dermatoses with corticosteroids] Lechenie kortikosteroidami nekotorykh dermatozov. Leningrad, Medgiz, 1963. 181 p.
(DNLM)

Local novocaine and bencaine infiltration block in the treatment of circumscribed chronic pruritic dermatoses. R. S. Markovich. Vest. derm. i ven. 36 no. 10:53-55 O '62.

Mechanism of the action of vitamin B_{12} in the treatment of skin diseases [with summary in English]. O. V. Bukharin. Vest. derm. i ven. 36 no. 10:49-53 O '62.

Occupational dermatitis as an effect of the synthetic washing powder "Novost'". M. D. Bagnova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 9:56-58 '61.

Role of focal infection of the tonsils in the development of vascular skin allergids [with summary in English]. S. Nicolau, A. Bădănoiu. Vest. derm. i ven. 36 no. 10:8-13 O '62.

Skin diseases in burned patients [with summary in English]. V. V. Viasov, K. A. Khotenovskii. Vest. derm. i ven. 36 no. 10:31-34 O '62.

Study of the sensitivity of the skin of workers to the action of nickel salts [with summary in English]. L. P. TSyrkunov. Vest. derm. i ven. 36 no. 10 27-29 O '62.

SKIN—PERMEABILITY

Effect of preliminary administration of tissue preparations on the permeability of cutaneous tissue to pyogenic microbes. D. S. Shchastnyi. Uch. zap. UEIGB 5:268-274 '62.

SKIN—TUBERCULOSIS see subdivision under Moscow Province

SKIN EFFECT

Static skin effect in single-crystal cadmium specimens. G. A. Zaitsev. Zhur. eksp. i teor. fiz. 45 no. 4:1266-1269 O '63.

SKIS AND SKIING

Efficient distribution of efforts for distance skiing. E. P. Korytnikov. Teor. i prak. fiz. kul't. 26 no. 1:60-63 Ja '63.

Radio information in skiing. B. M. Grozovskii. Teor. i prak. fiz. kul't. 26 no. 1:44-45 Ja '63.

Some problems of preparing skiing tracks. [illegible] kov, N. I. Kuz'min. Teor. i prak. fiz. kul't. 26 Ja '63.

SKOLITE see subdivision under Karamazar [illegible]

SKRIABIN, ALEKSANDR NIKOLAEVICH, [illegible]

Biagoi, D. D. [Skriabin's Etudes] Etiudy Skriabina. Moskva, Muzgiz, 1963. 62 p. (Biblioteka slushatelia kontsertov)

SKULL—FRACTURE

Diabetes insipidus following fracture of the [illegible] cranii; abstract. G. N. Akzhigitov. Kaz. med. zhur. 109 Ja-F '61.

X-ray diagnosis of fractures of the maxilla [illegible] cent regions of the skull. I. M. Alieva. Kaz. [illegible] zhur. no. 1:77-78 Ja-F '61.

SKULL—WOUNDS AND INJURIES

Some biochemical changes in the cerebral [illegible] under the influence of craniocerebral trauma. [illegible] TSulaia, A. D. Gaguashvili, V. R. Mikiashvili [illegible] Gruz. SSR 36 no. 5:579-582 My '64.

SKULME, OTO, 1889-

Skulme, Oto. Oto Skulme. Riga, Latvijas valsts izdevnieciba, 1962. [8] p. plates. [In Latvian and Russian]
(MH)

SKVORTSOV-STEPANOV, IVAN IVANOVICH, [illegible]

Characteristics of I. I. Skvortsov-Stepanov's [illegible] style. V. V. Sharov. Vest. Mosk. un. Ser. [illegible] zhur. 18 no. 5:19-32 S-O '63.

SKY—LUMINANCE

Layer of the actual sky brightness [with summary in English]. E. V. Pliskovskaia-[illegible] fiz. inst. AN Kazakh. SSR 3:83-88 '63.

Some data on the brightness of the sky [with summary in English]. E. V. Pliskovskaia-[illegible] fiz. inst. AN Kazakh. SSR 3:76-80 '62.

SKYHOOKS see Mine roof bolting

SLAG

Calculating the technological parameters of [illegible] forming process for slag melts involving [illegible] pulverized limestone. I. I. Pereletov. [illegible] no. 7:6-7 Jl '63.

Using exothermic mixtures to obtain slag [illegible] pouring. N. IA. Ishchuk, K. K. Prokhorenko, [illegible] Emel'ianenko. Met. i gornorud. prom. [illegible] S-O '63.

Utilization of the ashes of heat and electric [illegible] and metallurgical slag in Kuznetsk [illegible] N. I. Fedynin. Stroi. mat. 9 no. 7 [illegible]

SLAG—ANALYSIS

Content of sulfides in granulated blast furnace [illegible] P. I. Bodnikov, M. I. Strelkov, [illegible] SSSR. Met. i gor. delo no. 5:80-83 S-O '63.

SLAG—ELECTRIC PROPERTIES

Role of the electric resistance of slag in electric [illegible] steel-smelting furnaces. B. M. Nikitin, [illegible] Izv. vys. ucheb. zav.; chern. met. 6 no. 8 [illegible]

SLAUGHTERING AND SLAUGHTERHOUSES

Determining the optimum conditions of the [illegible] ning of rabbits. V. P. Katkov and others. [illegible] rab. MTIMMP no. 7:22-24 '62.

Eliminate irresponsible handling of cattle [illegible] D. Teternik. Mias. ind. SSSR 34 no. 5:36 '63.

Operations of temporary slaughtering station [illegible] kanov. Mias. ind. SSSR 34 no. 5:29 '63.

SLAVERY

(see also subdivision under Greece, Rome)

Black mother; excerpts from a book [translated from English]. Basil Davidson. Az. i Afr. segodnia [illegible] N '63.

SLAVIC ANTIQUITIES

"Arkheologicheskii shornik. Vol. 4. Slavo-[illegible] Reviewed by G. F. Korzukhina and others. [illegible] 7 no. 3:284-290 '63.

SLAVIC LANGUAGES—BIBLIOGRAPHY see [illegible] graphy—Slavic languages

SLAVIC LANGUAGES—WRITING

Joint academic session of the Department of [illegible] and Literature and the Department of History [illegible] ences, Academy of Sciences of the U.S.S.R., [illegible] to the 1,100th anniversary of Slavic writing [illegible] SSSR. Ser. lit. i iaz. 22 no. 5:455-458 S-O '63.

SLAVIC LITERATURE—BIBLIOGRAPHY see [illegible] graphy—Slavic literature

SLAVIC PHILOLOGY

At the Conference on Slavic Philology held in [illegible] V. I. Zlydnov. Lit. slav. nar. 8:251-254 '63.

Ukrains'kyi kongilot slavistiv. [Collection of Slavic studies] Slavistychnyi zbirnyk. Kyiv, Vydvo Akad. nauk Ukrains'koi RSR, 1963. 445 p.

SLAVIC STUDIES see subdivision under Germany

SLAVIC STUDIES—CONGRESSES

On the eve of the International Congress of Slavists. Ukr. mova i lit. v shkoli 13 no. 7 94-95 S '63

SLAVS

Dragovichi. V. V. Sedov. Sov. arkheol. 7 no. 3 112-125 '63

Scholarly research of a group for the study of German relations with the Slavs. V. I. Rogov. Vop. ist. 38 no. 10 157-158 O '63.

SLEEP-WALKING see Somnabulism

SLOPES (PHYSICAL GEOGRAPHY)

The regressive migration of drainage funnels, and the formation of rugged upland steps, analysis of the vertical differentiation of mountain slope relief. G. N. Pal'mun. Vest. Mosk. un. Ser. 5: Geog. 18 no. 6 67-71 N-D '63

SLOVAK ART see Art, Slovak

SLOVAK DRAMA—HISTORY AND CRITICISM

Quests and finds of our friends, remarks on contemporary Czechoslovak dramaturgy. V. D. Savitskii. Lit. slav. nar. 3 196-209 '63.

SLOVAK LITERATURE—HISTORY AND CRITICISM

A book about the development of contemporary Slovak prose. Iu. V. Bogdanov. Lit. slav. nar. 8 223-228 '63.

SLOVAKIA—ECONOMIC CONDITIONS

A dream which came true [translated from the Slovak]. Andrej Putra. Ukraina no. 31 25-26 N '61.

SLOVAKIA—THEATER

Our guests. Ukraina no. 13 26 Je '61.

SLOVAKIA—WORLD WAR, 1939-1945

The Slovak Uprising of 1944 in fine arts. Liudmila Puteratova. Iskusstvo 26 no. 10 54 '63.

SLOWACKI, JULIUSZ, 1809-1849

New study of J. Slowacki's "Lordian." I. K. Gorskii. Lit. slav. nar. 8 233-237 '63.

SMALLPOX

Preservation of the properties of dry smallpox vaccine kept at various temperatures [with summary in English]. V. I. Baltukhina. Trudy TomNIIVS 12 281-284 '60.

SMELKO, NIKOLAI IVANOVICH

How a biography is born. Leonid Reshetnikov. Sov. voin. 16 no. 20 20-21 O '63.

SMELL

Olfaction in patients following laryngectomy. T. A. Rogachikova. Trudy mol. nauch. sotr. MONIKI no. 1 55-57 '59.

SMELTING

Effect of the coke quality on the indices of blast-furnace smelting. N. K. Leonidov, L. E. Slizhikova. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10 98-102 '63.

SMETANIN, IGOR'

Growing sportsman. V. Panich. Voen. znan. 39 no. 10 30 O '63.

SMIRNENSKI, KHRISTO, 1898-1923

Chronicle of the life and works of Khristo Smirnenski. N. N. Ponomareva. Lit. slav. nar. 8 232-233 '63.

SMOLENSK

The youth of an ancient town. N. Antonov. Agitator no. 18 31-32 S '63.

SMOLENSK—ART GALLERIES AND MUSEUMS

Younger sister of the Tret'iakov Gallery. El'vira Popova. Ogonek 41 no. 39 9-9 S '63.

SMOLENSK—DESCRIPTION

Key and shield. N. Rylenkov. Ogonek 41 no. 39 16 S '63.

SMOLENSK PROVINCE—AGRICULTURE

[Intensive production on each farm] Kazhdomu khoziaistvu-intensivnoe proizvodstvo. [Smolensk. Smolenskoe knizhnoe izd-vo, 1962] 55 p. (Sel'skokhoziaistvennyi universitet na domu)
(DNAL)

SMOLENSK PROVINCE—FIRES AND FIRE PREVENTION

On the roads of the Land of Smolensk. Pozh. delo 8 no. 9 7-9 S '63.

SMOLENSK PROVINCE—PHYSICAL GEOGRAPHY

Pogutiaev, D. I., and A. A. Shostina. [Nature and physicogeographical (natural) regions of Smolensk Province] Priroda i fiziko-geograficheskie (prirodnye) raiony Smolenskoi oblasti. [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 127 p.

SMUTS see subdivision under Dzhambul Province, Kazakhstan

SNAILS AS CARRIERS OF DISEASE

Ammonium nitrate, a means of controlling Limnaeus truncatulus in pastures. I. N. Vasil'eva. Veterinariia 37 no. 2 41-43 F '60

SNIPERS

Snipers operate in the forest,... P. Trifonov. Voen. znan. 39 no. 10 9-10 O '63.

SNOW

(see also subdivision under Antarctic regions, Siberia, Siberia, Eastern, Soviet Central Asia)

Methods for the calculation of diurnal variations of evaporation from the surface of soil and snow based on the air temperature and humidity as measured at meteorological stations. A. R. Konstantinov, A. V. Kudina. Trudy UkrNIGMI no. 31 101-113 '62

Virgin snowland. V. D. Pisarev. Iun. nat. no. 2 19 F '63.

SNOW GOOSE

Snow goose. S. M. Uspenskii. Priroda 52 no. 9 58-62 '63.

SNOW REMOVAL

Effect of rotary snow removers on park plantings. M. A. Mel'nikova, A. V. Titova. Gor. khoz. Mosk. 37 no. 7 15 Jl '63.

Production of the Solombala Machinery Plant. Les. prom. 40 no. 6 31 Je '62

SNOWPLOWS

Machine for removing snow. V. Denisov, O. Orekhov. Zhil.-kom. khoz. 11 no. 12 16, 21 D '61.

SOAKING PITS see Furnaces, Heating

SOBOLEVO DISTRICT—INSURANCE, SOCIAL—EMPLOYEES

Training of personnel is an important task. N. Petov. Sots. obesp. 24 no. 8 32 Ag '63.

SOBOLEVSKII, SERGEI IVANOVICH, 1864-1963

S. I. Sobolevskii; obituary. Vest. drev. ist. no. 3 194-198 '63.

Sergei Ivanovich Sobolevskii; an obituary. Izv. AN SSSR. Ser. lit. i iaz. 22 no. 5 462-463 S-O '63.

SOBOLEVSKII, SERGEI IVANOVICH, 1864-1963—BIBLIOGRAPHY see Bibliography—Sobolevskii, Sergei Ivanovich, 1864-1963

SOCCER

(see also subdivision under Kiev)

Determining special training for soccer players by the repeated load method. N. D. Graevskaia, V. N. Kuz'mina. Teor. i prak. fiz. kul't. 26 no. 1 25-31 Ja '63.

Fokin, E. V. [Game of the goalkeeper] Igra vratarja. 3.izd., dop. i dop. Moskva, Izd-vo "Fizkul'tura i sport," 1963. 61 p.

Konov, L. I. [Game of the forwards] Igra napadaiushchikh. Moskva, Izd-vo "Fizkul'tura i sport," 1963. 79 p.

Main match of the season. Sov. Soiuz no. 9 36-39 '63.

SOCIAL CASE WORK

May our families be happy! P. Raisa, A. Gorlushkina, Vl. Kuznetsov. Agitator no. 16 53-57 Ag '63.

SOCIAL CONFLICT see subdivision under Underdeveloped Areas

SOCIAL GROUP WORK see subdivision under Teleuty

SOCIAL INSURANCE see Insurance, Social

SOCIAL MEDICINE

Some methodological problems in lecturing on "Social psychology and its role in social development." N. G. Stulov. Vop. metod. prep. marks.-len. filos. v vuz. no. 1 113-133 '63.

SOCIAL PROBLEMS

A pose of a witness or the boldness of a fighter? Iu. Teofanov. Agitator no. 16 10-18 Ag '63.

SOCIAL PSYCHOLOGY

Kharkov. Universytet. [Social consciousness and its forms] Suspil'na svidomist' i ii formy, lektsii z kursu istorychnoho materializmu. Kharkiv, M-vo vyshchoi i seredn'oi spetsial'noi osvity URSR, 1961. 162 p. (ICU)

Methodological problems of the study of social psychology. I. V. Sozin. Vop. ist. 38 no. 10 183-185 O '63.

SOCIAL PSYCHOLOGY—STUDY AND TEACHING

Some methodological problems in lecturing on "Social psychology and its role in social development." N. G. Stulov. Vop. metod. prep. marks.-len. filos. v vuz. no. 1 113-133 '63.

SOCIAL SCIENCE RESEARCH

(see also subdivision under Moscow; Turkey)

Plenary session of the Central Committee of the CPSU in June 1963 and the objectives of Soviet science, the general session of the Academy of Sciences of the U. S. S. R. Nov. i noveish. ist. no. 5 179-181 '63.

Social sciences should have an information center. V. M. Buzuev. Vest. vys. shkoly 21 no. 10 69-71 O '63.

SOCIAL SCIENCES

Textbooks for political education. Part. zhizn' [Uzb.] 6 no. 2 93-94 I '63.

SOCIAL SCIENCES—BIBLIOGRAPHY see Bibliography—Social sciences

SOCIAL SCIENCES—STUDY AND TEACHING

(see also subdivision under Uzbekistan)

Everyone should have a hobby. S. Korovin. Prof.-tekh. obr. 20 no. 9 12-13 S '63.

Extracurricular work as an indispensable condition for the successful assimilation of a course. M. P. Ovchynnykova. Rad. shk. 42 no. 10 42-47 O '63

Let's make a thorough use of consultation possibilities. G. M. Chkheidze. Vest. vys. shkoly 21 no. 10 71-73 O '63.

Let's teach them communism. A. Lushnikov. Nar. obr. no. 10 41-44 O '63.

Life becomes a lesson. N. Baranskii. Sem'ia i shkola 18 no. 11 32 N '63.

"Social sciences" course in vocational technical schools. G. Dolbnin. Prof.-tekh. obr. 20 no. 9 5-7 S '63.

We are creating a social science study room. V. Parmin. Prof.-tekh. obr. 20 no. 9 7-8 S '63.

SOCIALISM

Akademiia nauk SSSR. Institut istorii. [History of socialist teachings] Istorila, sotsialisticheskikh uchenii; sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1962. 468 p.
(CaAEU)

SOCIALISM AND WAR see War and socialism

SOCIALIST COMPETITION

(see also subdivision under Ivanovo, Ivanovo Province, Minsk; Tashkent, Ukraine, Uzhur District)

Answers to readers' questions. Agitator no. 18 57-58 S '63.

Characteristic features of our time. F. Akmambetov. Otv. na vop. trud no. 1 11-19 Ja '63

Communist labor research. V. Sigorskii. Sov. profsoiuzy 19 no. 17 10-13 S '63.

Competition in the grip of formalism. S. Zerkalov, M. Soffin. Sov. potreb. koop. 7 no. 11 42-44 N '63.

First results. P. Shashkin. Vest. stat. no. 9 33-34 '63.

For communist labor. S. Miroskov, L. Britvin. Sov. torg. 36 no. 8 1-4 Ag '63.

For communist labor methods in science. Tekh. mol. 30 no. 8 6-7 '62.

Ideological and educational work helps the development of communist labor. IA. I. Bykov. Vest. sviazi 23 no. 8 4 Ag '63.

Labor guards are on the march. V. Stanilevich. Sov. profsoiuzy 19 no. 20 14-16 O '63.

Let beacons light everywhere. V. Chetyrev. Sov. potreb. koop. 7 no. 11 46-47 N '63.

The Omsk statisticians are the initiators. N. Kostin. Vest. stat. no. 9 30-33 '63.

Path beyond the horizon. I. Smirnov. Sov. profsoiuzy 19 no. 20 10-13 O '63.

Plant's wings. A. Didusenko, N. Nadezhdina, V. Segalov. Sov. profsoiuzy 19 no. 20 18-20 O '63.

Results of socialist competition among construction workers employed by the transportation industry. Transp. stroi. 12 no. 3 3-4 Mr '62

Rostov-on-Don. Gosudarstvennaia nauchnaia biblioteka imeni K. Marksa. [Learn to live and work the communist way, two rounds of reading aids for participants of the movement for communist labor] Uchit'sia zhit' i rabotat' po-kommunisticheski, dva kruga chtenila v pomoshch' uchastnikam dvizhenila za kommunisticheskii trud. Rostov-na-Donu, 1961. 17 p.
[MICROFILM]

These are our beacons! Bum. prom. 38 no. 10 2 of insert O '63.

[Those who look forward (what are the brigades of communist labor)] Vperedsmotriashchie (chto takoe brigady kommunisticheskogo truda). [n. p.] 1962. 18 p.
[MICROFILM]

The title has been awarded, what next? M. Suleimanov. Nar. khoz. Kazakh. 21 no. 8 54-57 Ag '63.

The Ural gems; sketch. A. Emel'ianov. Sov. profsoiuzy 19 no. 17 14-15 S '63.

Valuable initiative. V. Loboda. Vest. stat. no. 10 71-72 '63.

Widening the competition for communist labor. A. Sergeev. Mias. ind. SSSR 34 no. 5 1-6 '63.

SOCIALIST INTERNATIONAL

Antisocialist program of the Socialist International. N. G. Sibilev. Vop. ist. KPSS 7 no. 10 69-80 O '63.

SOCIALIST PARTY see subdivision under Germany; Poland; Sweden

SOCIALIST PROPERTY

Communist attitude toward public wealth. Polit. samoobr. 7 no. 11-3-8 N '63.

Formation of a single form of public property and its sources. O. Dzhamalov, I. Blinder. Kommun. Ukr. 35 [illegible]-85 S '63.

SOCIALIST PROPERTY—BIBLIOGRAPHY see Bibliography—Socialist property

SOCIALIST REALISM

Discussion on socialist realism in the press of the German Democratic Republic, 1945-1960. S. V. Rozhnovskii. Vest. Mosk. un. Ser. 7 Filol., zhur. 18 no. 5 59-71 S-O '63.

"Typification in the literature of socialist realism" by Andrii Kostenko. Reviewed by F. M. Bilets'kyi. Ukr. mova i lit. v shkoli 13 no. 1 79-82 Ja '63.

V. I. Lenin on realism. I. N. Petrov. Iskusstvo 33 no. 7 2-3 '63.

SOCIETIES, ETC. see subdivision under Czechoslovakia

SOCIETY, PRIMITIVE

A new theory of the role of barter in the Neolithic period. M. L. Gel'tser. Vop. ist. 38 no. 10 197 O '63.

SOCIOLOGY—RESEARCH

Marxism and concrete sociological studies (with summary in English). V. P. Rozhin. Vest. LGU 18 no. 17 55-66 '63.

SOCIOLOGY—STUDY AND TEACHING

Recommended methods for a lecture on "Society and the individual, all-round development of the individual." V. E. Davidovich. Vop. metod. prep. marksizm.-len. filos. v vuz. no. 1 97-112 '63.

SOCIOLOGY, CHRISTIAN

The Orthodox Church and the social ideals of communism. N. Gordienko. Nauka i rel. 4 no. 8-23-27 Ag '63.

SODA INDUSTRY see subdivision under Donets Economic region

SODIUM—ANALYSIS

Determination of sodium in chloride melts of the titanium production by a gravimetric zinc uranyl acetate method [with summary in English]. V. N. Tikhonov, M. L. Grankina. Zhur. anal. khim. 18 no. 7 900-902 Jl '63.

SODIUM—TESTING

Mechanical properties of sodium in the field of low-temperature polymorphic transformations. I. A. Gindin and others. Fiz. met. i metalloved. 12 no. 6 846-852 D '61.

SODIUM ALCOHOLATES

Interaction of Δ^3-carene oxide with methyl alcohol in the presence of sodium methylate. Z. G. Isaeva, I. S. Andreeva. Dokl. AN SSSR 152 no. 2 342-345 S '63.

Nucleophilic substitution in the aromatic series. Part 3. Kinetics and mechanism of the reaction of 1, 2, 4, 5-tetrachlorobenzene with sodium ethylate in anhydrous alcohol. S. M. Shein, V. A. Ignatov. Zhur. ob. khim. 33 no. 8 2645-2650 Ag '63.

Nucleophilic substitution in the aromatic series. Part 4. Kinetics and mechanism of the reaction of 1, 2, 4, 5-tetrachlorobenzene with sodium alcoholates in an alcohol medium. S. M. Shein, V. A. Ignatov. Zhur. ob. khim. 33 no. 8 2667-2672 Ag '63.

Nucleophilic substitution in the aromatic series. Part 5. Kinetics of the reaction of 1, 2, 4, 5-tetrachlorobenzene with sodium alcoholates in a water-alcohol medium. S. M. Shein, V. A. Ignatov. Zhur. ob. khim. 33 no. 8 2690-2697 Ag '63.

Transformations of allylphosphinic esters in the presence of sodium ethylate. A. N. Pudovik, I. V. Konovalova. Zhur. ob. khim. 33 no. 10 3442-3443 O '63.

SODIUM FLUOBERYLLIATES

Phase transitions of sodium fluoberyllates (Na_2BeF_4). M. E. Levina. Vest. Mosk. un. Ser. 2: Khim. 18 no. 5 [illegible] S-O '63.

SODIUM NITRITE CRYSTALS—ABSORPTION SPECTRA

Absorption spectrum of sodium nitrite crystals at 20°K. IU. A. Kulikpin, A. F. IAtsenko. Fiz. tver. tela 5 no. 10 2756-2765 O '63.

SOFIA—ARCHITECTURE—COMPETITIONS

International competition for designing the Sofia terminal. Arkhit. SSSR no. 8 64 '63.

SOFRONOV, ANATOLII VLADIMIROVICH, 1911-

Vital assertion. B. Privalov. Oktiabr' 39 no. 12 205-206 D '62.

SOIL ABSORPTION see subdivision under Kura-Araks Lowland

SOIL BIOLOGY

Absorption and activity of gibberellin in soils. IU. A. Khudiakova, I. N. Zueva. Trudy Inst. mikrobiol. no. 11 333-340 '61.

Formation and distribution of vitamin B_{12} in soil. G. G. Afrikian, R. A. Bobikian. Trudy Inst. mikrobiol. no. 11 341-345 '61.

Inactivation of enzymes in soil. A. Sh. Galstian. Dokl. AN Arm. SSR 36 no. 4 225-228 '63.

Phosphatase activity in the soils of sugar beet areas. I. A. Geller, K. M. Dobrotvorskaia. Trudy Inst. mikrobiol. no. 11 215-221 '61.

SOIL CHEMISTRY see subdivision under Timan Range

SOIL CONSERVATION
(see also subdivision under Virgin Territory)

Establishing a complex of tillage machines and implements for areas subjected to wind erosion. A. A. Pilshkin, V. V. Trufanov. Trakt. i sel'khozmash. 33 no. 7 22-24 Jl '63.

SOIL FERTILITY see subdivision under Andizhan Province

SOIL FORMATION see subdivision under Amu Darya Delta

SOIL FREEZING

Methods of the laboratory determination of the strength of soil and foundation adfreezing. V. I. Puskov. Trudy NIIZHT no. 28 137-149 '62.

Some data on the salinization of soils by sodium chloride. A. R. Soldatenko. Trudy NIIZHT no. 28 129-136 '62.

SOIL INOCULATION

Effect of some factors on the efficiency of azotobacterin. A. K. Panosian. Izv. AN Arm. SSR, Biol. nauki 16 no. 7 11-26 Jl '63.

SOIL MECHANICS

Conference on water-level lowering for building purposes. G. M. Mariupol'skii. Osn., fund. i mekh. grun. 5 no. 4 29-30 '63.

Determination of actual pressure taking into account the compressibility of soils. IU. I. Solov'ev. Trudy NIIZHT no. 28 99-105 '62.

Effect of stressed state on the deformation of loose soils. I. Z. Lobanov. Trudy NIIZHT no. 28 107-120 '62.

Laying footings and foundations on settling soils. Biul. stroi. tekh. 20 no. 8 25-27 Ag '63.

New method for calculating stressed state of bank soil. A. F. Zhukov. Avt. dor. 26 no. 10 25 O '63.

Stability of slopes of "hypothetical" soils. IU. I. Solov'ev. Trudy NIIZHT no. 28 83-97 '62.

SOIL MICRO-ORGANISMS

Biological methods for increasing the effective fertility of soil. E. N. Mishustin. Trudy Inst. mikrobiol. no. 11 3-16 '61.

Conditions determining the activity of the decomposition of humic acid by bacteria. D. I. Nikitin. Trudy Inst. mikrobiol. no. 11 41-47 '61.

Effect of metabolites of some soil micro-organisms on the growth and development of plants. A. K. Panosian, [illegible]arshavina, R. Sh. Arutiunian. Trudy Inst. mikro-[illegible]276-283 '61.

[illegible]idual components of forest soil for [illegible]f pine and oak seedlings. N. M. [illegible]rudy Inst. mikrobiol. no. 11 139-149 [illegible]

[illegible]osphorus organic compounds by [illegible]oil bacteria. A. N. Naumova. Trudy [illegible]o. 11 222-232 '61.

[illegible]s and their effect on soil micro-orga-[illegible]P. Kh. Rakhno. Trudy Inst. mikro-[illegible]'61.

[illegible]ion under Caucasus, Northern; [illegible]ogda Province)

[illegible]aximum molecular water capacity. [illegible]n. Izv. AN Azerb. SSR, Ser. geol.-[illegible]no. 3 71-73 '63.

[illegible] of moisture distribution in the zone [illegible]e calculation parameters. M. I. [illegible]N Kir. SSR, Ser. est. i tekh. nauk 4 [illegible]

Optimal soil moisture and the yield of spring [illegible] Western Siberia and the northern half of [illegible] K. V. Kirillicheva. Meteor. i gidrol. no. 11 [illegible] '63.

S. A. Verigo and L. A. Razumova's book "Soil [illegible] its role in agricultural production." [illegible] Meteor. i gidrol. no. 11 55-56 N '63.

SOIL PERCOLATION

Use of the radiometric method in study[illegible] soils of varying permeability. R. M. Va[illegible] Azerb. SSR, Ser. fiz.-mat. i tekh. nauk [illegible] '63.

SOIL RESEARCH

Change in the composition of free amino [illegible] during the vegetation period. I. M. Ivan[illegible] Kuprevich, T. A. Shcherbakova. Dokl. A[illegible] no. 10 704-707 O '63.

SOIL STABILIZATION
(see also subdivision under Novosibirsk)

Accounting for the thixotropic stabilization [illegible] B. M. Gumenskii. Avt. dor. 26 no. 10 [illegible]

Apparatus for determining and automatically [illegible] the hardening time of resins. V. V. [illegible] kin, D. I. Zhukovin. Mekh. sooruzh. [illegible]

Compactness of sand foundations in a bank [illegible] Krivoutov. Trudy NIIZHT no. 28 [illegible]

Practice in electrochemical stabilization of [illegible] V. A. Sokolov. Trudy NIIZHT no. [illegible]

Stabilizing rounded slopes with rods. [illegible] Transp. stroi. 13 no. 3 56-57 Mr '63.

Thermal strengthening of sagging loess[illegible] Kasperskii. Osn., fund. i mekh. grun. [illegible] '63.

SOIL TEMPERATURE
(see also subdivision under Kazakhstan, [illegible] Transbaikalia)

Calculation of soil temperature change at diff[illegible] in the formation layer of the tillering node [illegible] crops. V. A. Moiseichik. Meteor. i gidrol. [illegible] 25 N '63.

SOILS see subdivision under Dar'yalyk [illegible]

SOILS—ABSTRACTS

[Soil science] Ref. zhur.; Pochv. no. 21 N '63.

SOILS—ANALYSIS

Rapid method for the determination of [illegible] [with summary in English]. I. I. Sinitsyn, [illegible]tallina, R. I. Kuznetsov. Zhur. anal. khim. [illegible] 1054 S '63.

SOILS—CHLORINE CONTENT

Determination of chloride ion in the soil [illegible] graphic method. I. M. Skobets, G. V. Ilo[illegible] dokl. vys. shkoly, biol. nauki no. 1 106 [illegible]

SOILS—CLASSIFICATION
(see also subdivision under Syr Darya Bend [illegible] Province)

More on the criteria for the economic evaluat[illegible] S. Cheremushkin. Khoz. sel'khoz. 11 no. 6 [illegible] '63.

SOILS—ELECTRIC PROPERTIES

Correlation of the electroconductivity of soils [illegible] physicochemical properties. V. L. Kas[illegible] Geomag. i aer. 3 no. 5 961-967 S-O '63.

SOILS—MICROBIOLOGY see subdivision under [illegible]

SOILS—MOLYBDENUM CONTENT see subdivision Kaluga Province

SOILS, RADIOACTIVE SUBSTANCES IN

Alekakhin, R. M. [Radioactive contamination [illegible] and plants.] Radioaktivnoe zagriaznenie pochv i rastenii. Moskva, Izd-vo Akad. nauk SSSR, [illegible] 130 p.

SOKOLOVO (KHARKOV PROVINCE)—MILITARY MUSEUMS

A museum in the village of Sokolovo. V. Ol[illegible] Ukraina no. 13 15 Je '61.

SOKOLOVSKII, DMITRII FLORIANOVICH

In 460 films. S. Gurin. Isk. kino 33 no. 7 [illegible]

SOLAR BATTERIES

Use of photoelectric converters for measuring [illegible] face of plane figures with random profiles. V. [illegible] gov, G. S. Daletskii, A. K. Zaitseva. Fiziko-[illegible] 34 no. 9 66-68 S '63.

SOLAR ECLIPSES see Eclipses, Solar

SOLAR ENERGY—MEASUREMENT

Absolute measurements of solar energy in the [illegible] A spectral region [with summary in English]. [illegible] Murashova, G. F. Sitnik. Astron. zhur. 40 [illegible] S-O '63.

SOLAR FLARES

Effects of solar flares in the ionospheric E and D layers. I. N. Odintsova. Geomag. i aer. 3 no. 4 593-598 Jl-Ag '63.

SOLAR RADIATION
(see also subdivision under Georgia, Kiev, Soviet Central Asia, Uzbekistan)

Calculating solar radiation in the design of refrigerator ships. Yu. F. Nesterov. Trudy LIVT no. 35,12-20 '62

Characteristics of the sun's influence on the earth. M. S. Eigenson. TSir. Astron. observ. L'viv un. no. 39/40 95-100 '63.

Deviations of critical frequencies from the monthly median value on calm and disturbed days. E. M. Zhulina. Geomag. i aer. 3 no. 4 707-710 Jl-Ag '63.

Distribution of the solar radiation in corn plantings. V. A. Shablevskaia. Meteor. i gidrol. no. 11,31-34 N '63.

Effect of the temperature source on the significance of integral absorption functions of long-wave radiation in the surface layer of the atmosphere [with summary in English]. V. E. Zuev. Trudy Astrofiz. inst. AN Kazakh SSR 3:67-71 '62.

Eigenson, M. S. [Sun, weather, and climate] Solntse, pogoda i klimat. Leningrad, Gidrometeoizdat, 1963. 273 p.

Energy of short-wave solar radiation in the spectral region $\lambda \leq 1100$Å. G. M. Nikol'skii. Geomag. i aer. 3 no. 5:793-802 S-O '63.

Frequency spectrum of the slowly varying component of solar radio emission [with summary in English]. V. V. Zheleznikov. Astron. zhur. 40 no. 5:829-841 S-O '63.

Horizontal fluxes of scattered radiation [with summary in English]. M. S. Malkevich. Trudy Astrofiz. inst. AN Kazakh. SSR 3:80-96 '62.

Interaction of solar corpuscular streams with comet atmospheres. L. S. Marochnik. Geomag. i aer. 3 no. 4:606-615 Jl-Ag '63.

Mechanism of type-? bursts of solar radio emission [with summary in English]. S. B. Pikel'ner, M. A. Gintsburg. Astron. zhur. 40 no. 5:842-846 S-O '63.

Microclimatic variability of the radiation balance of underlying surface. N. I. Goina. Trudy UkrNIGMI no. 31:82-92 '62.

Solar radiation of the ideal atmosphere and the turbidity of the real one. M. S. Averkiev, L. A. Rinzanova (Birukova). Vest. Mosk. un. Ser. 5 Geog. 18 no. 5: 14-26 S-O '63.

SOLAR RADIATION—SPECTRA

Distribution of energy in the spectrum of total and diffuse radiation. K. IA. Kondrat'ev, M. P. Burgova, T. S. Gol'm. Trudy Astrofiz. inst. AN Kazakh. SSR 3:66 '62.

SOLAR SPECTRUM see Spectrum, Solar

SOLAR SYSTEM

Gravitational spheres of the planets, moon, and sun [with summary in English]. G. A. Chebotarev. Astron. zhur. 40 no. 5:812-818 S-O '63.

SOLDIERS
(see also subdivision under Arctic regions; Cuba; Tatar A. S. S. R.)

Be honest in deeds and in thoughts! M. Sazonov and others. Sov. voin 14 [i, e. 45] no. 16:41 Ag '63.

Each finds his way. A. Kochetkov. Sov. voin 44 [i, e. 45] no. 16:2 Ag '63.

From the mail of a Soviet soldier. Sov. voin 44 [i, e. 45] no. 16,7 Ag '63.

There are courageous men next to you. I. Shilingovskii, G. Petrenko, IAnina Mkrtchian. Sov. voin 45 no. 20: 6-7 O '63.

SOLDIERS—RECREATION

Not authorized in the table of organization and equipment. L. Seregina. Sov. voin 45 no. 21:42-44 N '63.

Visual estimation, speed, onslaught. Sov. voin 45 no. 21:45 N '63.

We are seldom bored. N. Gnusarev, A. Makarenko. Sov. voin 44 [i, e. 45] no. 16:44-45 Ag '63.

SOLID FILM

Formation of Sb_2S_3, Sb_2Se_3, and Sb_2Te_3 films on antimony in the process of reactive diffusion. N. N. Korent, N. N. Strota. Dokl. AN BSSR 7 no. 10:664-668 O '63.

SOLID FILM—OPTICAL PROPERTIES

Determining the optical constants of thin low-capture films. A. S. Valeev. Opt. i spektr. 15 no. 4:500-511 O '63.

SOLID SOLUTIONS see Solutions, Solid

SOLIDIFICATION

Effect of the rate of cast iron cooling on the efficiency of inoculants. IU. N. Taran, A. V. Chernovol. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:181-184 '63.

Solidification of steel ingots of rectangular cross section in continuous casting equipment. A. A. Skvortsov. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:68-76 '63.

SOLIDS

Possible quantum mechanical interpretation for the classification of thermal decomposition reactions in solids. V. V. Boldyrev, A. A. Medvinskii. Kin. i kat. 4 no. 4. 549-556 Jl-Ag '63.

SOLIDS—THERMAL PROPERTIES

Temperature field in a system of solids conjugated by a thin interstitial layer [with summary in English]. IA. S. Podstrigach. Inzh.-fiz. zhur. 6 no. 10:129-136 O '63.

SOLOMBALA—LUMBERING—MACHINERY

Production of the Solombala Machinery Plant. Les. prom. 40 no. 6 34 Je '62.

SOLUBILITY

Carbon solubility in liquid iron in the presence of phosphorus. B. P. Burylev. Izv. vys. ucheb. zav., chern. met. 6 no. 9:11-15 '63.

Effect of $C_5H_5NCH_3I$, $C_5H_5NC_2H_5I$, and $C_5H_5NC_2H_5Br$ on the solubility of benzoic acid in water. V. F. Sergeeva, E. A. Rivina. Zhur. ob. khim. 33 no. 10 3122-3123 O '63.

Kinetics of solution of natural borates in hydrochloric acid solutions. A. B. Zdanovskii, V. M. Imamutdinova. Zhur. prikl. khim. 36 no. 8:1675-1680 Ag '63.

Kinetics of the dissolution of silicon, aluminum and magnesium oxides in fused oxides. G. S. Ershov, E. A. Popova. Izv. AN SSSR, Met. i gor. delo no. 5 73-79 S-O '63.

Namiot, A. IU., and M. M. Bondareva. [Solubility of gases in water under pressure] Rastvorimost' gazov v vode pod davleniem. Moskva, Gostoptekhizdat, 1963. 146 p.

Solubility in the systems liquid ammonia - acetylenic hydrocarbons at low temperatures. S. F. Shakhova, G. E. Braude. Khim. prom. no. 7,510-513 Jl '63.

SOLUTION (CHEMISTRY)

Applying the theory of regular solutions to liquid alloys of silicon with elements of periods II to V. B. P. Burylev. Izv. vys. ucheb. zav., chern. met. 6 no. 8,35-40 '63.

Extraction equilibria and the theory of nonelectrolyte solutions. V. A. Mikhailov, S. K. Kharchenko, A. G. Nazin. Trudy Kom. anal. khim. 14:76-87 '63.

Scattering asymmetry and the development of fluctuations in solutions which do not separate into layers. V. E. Eskin, A. E. Nesterov. Dokl. AN SSSR 152 no. 6 1403-1404 O '63.

SOLUTION (CHEMISTRY)—ANALYSIS

Using the method of "wet burning" to determine the carbon content in aqueous solutions and solids. S. L. Liubimova. Trudy IGI 21 185-189 '63.

SOLUTIONS (PHARMACY)

Method of calculating the isotonic concentration of solutions of medicinal preparations. N. A. Kudakova, V. A. Martynova, N. M. Mogilevskaia. Sbor. nauch. trud. TSANII 3:103-112 '62.

Study of the technological process of preparing injection solutions in pharmacies. Z. I. Bul'varova and others. Sbor. nauch. trud. TSANII 3:53-64 '62.

SOLUTIONS, SOLID

Characteristics of solid solutions between chrome spinellid and iron oxides. B. IA. Sukharevskii. Rent. min. syr. no. 2:11-16 '62.

Chromium-iron-cobalt alloy in the region of a chromium-based solid solution. A. T. Grigor'ev, V. V. Kuprina, V. B. Bernard. Vest. Mosk. un. Ser. 2: Khim. 18 no. 5 41-43 S-O '63.

Identity period and microhardness of semiconducting solid solutions of InP-GaAs. N. N. Strota, L. A. Makovetskaia. Dokl. AN BSSR 7 no. 4:230-232 Ap '63.

Mutual solubility of tolan and diphenyl mercury in the solid state. A. I. Kitaigorodskii, R. M. Miasnikova, V. L. Samarskaia. Kristallografiia 8 no. 3:393-397 My-Je '63.

Study of the stabilization and destabilization processes of the cubic modification ZrO_2. I. I. Vishnevskii, A. M. Gavrish, B. IA. Sukharevskii. Rent. min. syr. no. 2:5-10 '62.

Transition region between the ferroelectric and paraelectric phases of the solid solutions (Pb, Ba) (Ti, Zr)O_3. S. A. Fedulov, IU. N. Venevtsev. Kristallografiia 8 no. 3:454-456 My-Je '63.

Vibrational analysis of the fluorescence spectra of a frozen solution of naphthalene in pentane and naphthalene vapors. M. A. Kovner, E. P. Krainov. Opt. i spektr. 15 no. 4:565-568 O '63.

SOLVATION

Change of electronic absorption spectra under the effect of some substance added. Part I: Spectra of solvated anions [with summary in English]. V. V. Pal'chevskii, B. S. Smoliakov. Vest. LGU 18 no. 16,110-114 '63.

Distribution coefficient of electrolytes as a function of solvation energy and of the activity coefficients of its ions. M. V. Ionin, N. V. Kurina. Trudy Kom. anal. khim. 14:87-98 '63.

SOLVENTS

Behavior of some dipeptides in prolonged thermal extraction with organic solvents. A. A. Akimova, L. N. Akimova. Vest. Mosk. un. Ser. 2 Khim. 18 no. 5 62-64 S-O '63.

Effect of solvents on the mechanism underlying liquid-phase oxidation of n-butane. E. A. Blumberg, A. D. Maltevskii, N. M. Emanuel'. Neftekhimiia 3 no. 4 541-547 Jl-Ag '63.

Effect of the nature of the solvent on the formation of thiocyanate complexes of tin (II). A. M. Golub, V. M. Samoilenko. Ukr. khim. zhur. 29 no. 8 789-797 '63.

Kutovskii, M. IA., and V. IA. Livshits. [Recovery of organic solvents in dyeing with nitrocellulose enamel dyes] Rekuperatsiia organicheskikh rastvoritelei pri okraske nitroemaliami, stenogramma lektsii. Leningrad, 1962. 35 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serilia' Zashchitnye pokrytiia)

SOLVENTS—ELECTRIC PROPERTIES

Regularities in the change of acidity and basicity in the homologous series of ω, ω -bifunctional compounds. Part 3: Dependence of the acidity of polar ω -substituted aliphatic n-carboxylic acids on the dielectric constant of the solvent. L. A. Mal. Zhur. ob. khim. 33 no. 10 3126-3132 O '63.

SOMNABULISM

Somnambulism and apparent death. P. Bul'. Znan.-sila 38 no. 5 52-53 My '63.

SONGS

Shilov, A. V. [From the history of the first Soviet songs, 1917-1924] Iz istorii pervykh sovetskikh pesen, 1917-1924. Moskva, Sovetskii kompozitor, 1963. 59 p. (V pomoshch' slushateliam narodnykh universitetov kul'tury)

SONGS, UZBEK—HISTORY AND CRITICISM

Battle songs by Khamza Khakim-zade Niiazi. A. Babakhanov. Uch. zap. Tash. teatr.-khud. inst. no. 5,185-192 '62.

SORBIC ACID

Simple titrimetric methods for the determination of sorbic acid [with summary in English]. N. G. Polianskii, L. F. TSykhmaster. Zhur. anal. khim. 18 no. 7 888-891 Jl '63.

SORBITOL

Microdetermination of methoxy groups in certain polyfunctional derivatives of xylitol and sorbitol [with summary in English]. A. I. Lebedeva, E. S. Pisarenko. Zhur. anal. khim. 18 no. 7 892-894 Jl '63.

SORBUS

New species of Sorbus for landscape gardening. T. T. Trofimov. Nauch. dokl. vys. shkoly, biol. nauki no. 4 132-136 '63.

SORGHUM

Effect of various factors on the prussic acid content of sorgo. I. A. Dianenko and others. Nauch. trudy Vses. sel.-gen. inst. no. 5:136-142 '62.

Processing of the grains of the "Krasnoe Kubanskoe" variety of sorghum for alcohol manufacture. A. G. Zabrodskii and others. Trudy UkrNIISP no. 5:71-75 '59.

Sorghum, a crop of great possibilities. G. A. Abelian. Shkola i proizv. 7 no. 10:60-61 O '63.

SORGHUM—HARVESTING see subdivision under Stavropol Territory

SORGHUM BREEDING

Thermal castration of sorgo. V. N. Voevodin. Nauch. trudy Vses. sel.-gen. inst. no. 5:143-150 '62.

SORPTION

Equation for the output curve of equilibrium sorption in a continuous flow of the substance adsorbed by an adsorbent. V. S. Golubev, A. N. Kirgintsev, G. M. Panchenkov. Kin. i kat. 4 no. 4:635-643 Jl-Ag '63.

SOSNORA, VIKTOR

From byliny of "those days." V. Portnov. Nov. mir 39 no. 2:258-261 F '63.

SOUND—APPARATUS

Device for the visual observation of the polar directivity diagrams of microphones and loudspeakers. V. M. Zhuravlev, A. I. Kontsevich. Tekh. kino i telev. 6 no. 8,27-31 Ag '62.

SOUND—PHYSIOLOGICAL EFFECT

Neural substratum of epileptiform audiogenic reactions in rats. B. I. Kotliar. Nauch. dokl. vys. shkoly, biol. nauki no. 4:62-68 '63.

SOUND—RECORDING AND REPRODUCTION

Methods for measuring electroacoustical properties of wire sound carriers. IA. A. Mazo. Trudy VNAIZ no. 10,98-118 '62.

Sound recording and reproducing. Tekh. kino i telev. 6 no. 3,85-86 Mr '62.

Study of wire sound carriers. IA. A. Mazo. Trudy VNAIZ no. 10,81-97 '62.

SOUND WAVES

From the history of molecular acoustics. N. M Nemchinova. Ist. i tekhnol. est. nauk no. 2:279-283 '63.

Sound diffusion by a cylindrical shell in a moving medium. I. M Liamshev. Dokl. AN SSSR 152 no. 6 1339-1341 O '63.

SOUND WAVES—INDUSTRIAL APPLICATIONS

Using the sound method in the quality control of stoppers for steel pouring ladles. P. V. Lande, V. I. Varvarina, Z. I. Ivanova. Ogneupory 28 no. 10 466-468 '63.

SOUNDPROOFING

Gypsum perforated slabs for soundproofing premises. IU. I. Shneider, V. P. Shcheglova. Stroi. mat. 9 no. 7 30-31 Jl '63.

SOUTH AFRICA, REPUBLIC OF—MINERS

Situation of the African workers of South African mining. A. S. Pokrovskii. Afr. sbor. no. 1 41-73 '63.

SOUTH AFRICA, REPUBLIC OF—RACE DISCRIMINATION

Miserable lot of South African women. Tsabie Mohale. Vsem. prof. dvizh. no. 10:32-36 O '63.

SOUTH AFRICA, REPUBLIC OF—RACE QUESTION

Race discrimination as a factor which determines the policy of the Republic of South Africa. I. P. Astrebov. Afr. sbor. no. 1 24-40 '63.

Situation of the African workers of South African mining. A. S. Pokrovskii. Afr. sbor. no. 1 41-73 '63.

SOUTH AFRICA, REPUBLIC OF—WOMEN—EMPLOYMENT

Miserable lot of South African women. Tsabie Mohale. Vsem. prof. dvizh. no. 10:32-36 O '63.

SOUTH KOREA see Korea, South

SOUTHERN BUG RIVER—FISHERIES

Utilizing the reservoirs of the Southern Bug River for commercial fishing. S. V. Zalevskyi. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 11 38-47 '62.

SOVIET BLOC see Communist Countries

SOVIET CENTRAL ASIA—ACTINOMETRY

Long-wave balance of some underlying surfaces. M. V. Sitnikova. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 11 11-53 '63.

SOVIET CENTRAL ASIA—ALBEDO

Macroalbedo of some landforms in Central Asia. E. A. Lopukhin. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 11 27-40 '63.

SOVIET CENTRAL ASIA—ARCHIVES

Results of the Coordinating Conference of the Historians and Archivists of Siberia and the Far East. L. M. Goriushkin. Izv. SO AN SSSR no. 1, Ser. obshchestv. nauk no. 1 119-121 '63.

SOVIET CENTRAL ASIA—ATMOSPHERIC TRANSPARENCY

Straight and diffuse radiation in the days of clear sky. E. A. Lopukhin. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 11 3-16 '63.

Straight radiation in Central Asia. M. V. Sitnikova. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 11 17-26 '63.

SOVIET CENTRAL ASIA—BAGASSE

Attention! Bagasse! A. Sadykov, A. Tuniov, B. Burtman. Nar. khoz. Uzb. 5 no. 10:49 O '63.

SOVIET CENTRAL ASIA—BAPTISTS

In Central Asia. I. I. Motorin. Brat. vest. no. 4 75-76 '63.

SOVIET CENTRAL ASIA—BUDGET

There is a need for a consolidated budget of Central Asia republics. Kh. Sabirov. Nar. khoz. Uzb. 5 no. 10:32-33 O '63.

SOVIET CENTRAL ASIA—CLIMATE

Macroalbedo of some landforms in Central Asia. E. A. Lopukhin. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 11 27-40 '63.

SOVIET CENTRAL ASIA—COTTON

Basic method of the calculation of all components of the radiation balance of a cotton field. F. A. Lopukhin. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 11 114-116 '63.

SOVIET CENTRAL ASIA—COTTON BREEDING

"White gold" territory. V. N. Kulikov. Uzbekistan 22 no. 7:5 Jl '63.

SOVIET CENTRAL ASIA—DUST—PREVENTION

Dustiness of the surface layer of atmospheric air in the desert and semidesert regions of Central Asia and Kazakhstan [with summary in English]. V. I. Kashina. Trudy Astrofiz. inst. AN Kazakh. SSR 3:115-121 '62

SOVIET CENTRAL ASIA—ECONOMIC CONDITIONS

Dull slanderer. G. Akhmedov. Az. i Afr. seg. no. 11:60-61 N '63.

SOVIET CENTRAL ASIA—ECONOMIC POLICY

Forward toward communism under the guidance of the Lenin Party. K. Zainullin. Nar. khoz. Uzb. 5 no. 7:50-52 Jl '63.

Joint efforts toward the common aim. Nar. khoz. Uzb. 5 no. 7:5-9 Jl '63.

Land of bountiful nature and incalculable resources. Develop the economy of the Central Asian Economic Region comprehensively. Nar. khoz. Uzb. 5 no. 7 10-15 Jl '63.

SOVIET CENTRAL ASIA—EFFICIENCY, INDUSTRIAL

Make fuller use of potential ways to increase the productivity of labor in industrial enterprises. G. Zubarev. Komm. Uz. 35 no. 10 44-50 O '63.

SOVIET CENTRAL ASIA—ELECTRIC POWER DISTRIBUTION

Covering peak loads in the unified Central Asian electric power system. A. Z. Zakhidov, S. A. Polmov. Izv. AN Uz. SSR Ser. tekh. nauk 7 no. 4 77-80 '63.

SOVIET CENTRAL ASIA—FERTILIZER INDUSTRY

Development of the chemical industry is the problem of national importance. Komm. Uz. 35 no. 10 3-9 O '63.

SOVIET CENTRAL ASIA—FRUIT—TRANSPORTATION

Refrigerate fruit freight. P. Korobko. Nar. khoz. Uzb. 5 no. 10 71 O '63.

SOVIET CENTRAL ASIA—FURNITURE—EXHIBITIONS

Two words about the exhibition of furniture. B. Averianov, P. Borisov. Nar. khoz. Uzb. 5 no. 7:36-37 Jl '63.

SOVIET CENTRAL ASIA—GEOLOGY, STRATIGRAPHIC

All-Union Conference on the Stratigraphy and Correlation of Continental Mesozoic and Cenozoic sediments in the Soviet Part of Asia. N. I. Gridnev. Uzb. geol. zhur. 7 no. 3:85 '63.

SOVIET CENTRAL ASIA—HISTORIOGRAPHY

Rzaev, D. A. [Falsifiers of the history of Soviet Central Asia] O fal'sifikatorakh istorii Sovetskoi Srednei Azii. Frunze, Kirgizgosizdat, 1962 44 p. (MH)

SOVIET CENTRAL ASIA—HISTORY

Dull slanderer. G. Akhmedov. Az. i Afr. seg. no. 11:60-61 N '63.

SOVIET CENTRAL ASIA—INDUSTRIAL LAWS AND LEGISLATION

Judicial service in an enterprise. I. Astaf'ev, IA. Kovalerchuk. Nar. khoz. Uzb. 5 no. 10:70-72 O '63.

SOVIET CENTRAL ASIA—INDUSTRIAL MANAGEMENT

From the economic point of view. Nar. khoz. Uzb. 5 no. 7:41-59 Jl '63.

Thoughts expressed aloud. Nar. khoz. Uzb. 5 no. 7:20, 31-34 Jl '63.

SOVIET CENTRAL ASIA—INDUSTRIAL ORGANIZATION

Let us improve the organization of industry in the Central Asian Economic Region. B. Desiatchikov, P. Kaliakin. Komm. Uz. 35 no. 9:33-40 S '63.

SOVIET CENTRAL ASIA—IRRIGATION FARMING

Irrigation farming of Central Asia and its geographical characteristics. Z. G. Freikin. Geog. v shkole 26 no. 5 7-17 S-O '63.

SOVIET CENTRAL ASIA—LANDFORMS

Macroalbedo of some landforms in Central Asia. E. A. Lopukhin. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 11:27-40 '63.

SOVIET CENTRAL ASIA—MACHINERY INDUSTRY

Specialization and its possibilities. Nar. khoz. Uzb. 5 no. 7:20-28 Jl '63.

SOVIET CENTRAL ASIA—MANUFACTURES

Kitchen boards and administrators without initiative. L. Braginskii and others. Nar. khoz. Uzb. 5 no. 10:61-67 O '63.

SOVIET CENTRAL ASIA—NATIONALITIES

An answer to the falsifiers of the history of Central Asia. K. Khanazarov. Komm. Uz. 35 no. 8:91-95 Ag '63.

SOVIET CENTRAL ASIA—NATURAL RESOURCES

Land of bountiful nature and incalculable resources. Develop the economy of the Central Asian Economic Region comprehensively. Nar. khoz. Uzb. 5 no. 7:10-15 Jl '63.

SOVIET CENTRAL ASIA—PAINTING

Ideological and artistic unity and national characteristics. A. Umerov. Iskusstvo 26 no. 10:2-7 '63.

SOVIET CENTRAL ASIA—QUALITY CONTROL

Quality, dependability and durability. What is needed to achieve these? Nar. khoz. Uzb. 5 no. 7:28-41 Jl '63

SOVIET CENTRAL ASIA—RAILROADS—DESIGN AND CONSTRUCTION

In spite of facts. P. Chernov. Nar. khoz. Uzb. 5 no. 12 76-78 O '63.

SOVIET CENTRAL ASIA—RAILROADS—EMPLOYEES

How railroad employees struggled against the White Guards. P. I. Rusetskii. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR 17:154 '63

SOVIET CENTRAL ASIA—RAILROADS—LABOR PRODUCTIVITY

Potentials for increasing labor productivity on the Central Asian Railroad. L. Gol'dshtein. Nar. khoz. Uzb. 5 no. 7:71-74 Jl '63.

SOVIET CENTRAL ASIA—RECLAMATION OF LAND—CONGRESSES

[illegible]

Republic Scientific Session on the Reclaiming of the Desert Areas of Central Asia and Kazakhstan] Materialy dolozhennye na sessii] Ashkhabad, Izd-vo Akad. nauk TSSR.

[Book 1.] [Natural conditions, animal husbandry and feed supply of the desert] Prirodnye usloviia, zhivotnovodstvo i kormovaia baza pustyn', 1963, 485 p.

[Book 2.] [Land and water resources of the desert and their utilization] Zemel'no-vodnye resursy pustyn' i ikh ispol'zovanie, 1963, 178 p.

SOVIET CENTRAL ASIA—SAND-LIME PRODUCTS

Silicate and calcium silicate obtained from barchan sands and loess. A. Pilosov. Nar. khoz. Uzb. 5 no. 7:75-78 Jl '63.

SOVIET CENTRAL ASIA—SILICATES

Silicate and calcium silicate obtained from barchan sands and loess. A. Pilosov. Nar. khoz. Uzb. 5 no. 7:75-78 Jl '63.

SOVIET CENTRAL ASIA—SNOW

Some radiation and temperature characteristics of snow thawing in the winter of 1959-1960. U. I. Antropova. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 11 73-83 '63.

SOVIET CENTRAL ASIA—SOLAR RADIATION

Basic method of the calculation of all components of the radiation balance of a cotton field. E. A. Lopukhin. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 11 114-116 '63.

Straight and diffuse radiation in the days of clear sky. F. A. Lopukhin. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 11 3-16 '63.

Straight radiation in Central Asia. M. V. Sitnikova. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 11 17-26 '63.

SOVIET FAR EAST—AIRLINES

First air route. V. Danilenko. Kryl. rod. 14 no. 10 32-33 O '63.

SOVIET FAR EAST—BOTANY—CONGRESSES

Scientific Coordination Conference on the Studies of Vegetation of Siberia and the Far East. T. G. Popova, A. V. Kuminova. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2 136-139 '63.

SOVIET FAR EAST—ECONOMIC GEOGRAPHY

Basic problems of the distribution of the productive forces of Siberia and the Far East. N. N. Nekrasov. Izv. SO AN SSSR no. 1, Ser. obshchestv. nauk no. 1:12-21 '63.

Leshkevich, V. V. [The Far East; an account of its economic geography] Dal'nii Vostok, ekonomiko-geograficheskii ocherk; posobie dlia uchitelia. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1963 182 p. illus. maps. (NN)

SOVIET FAR EAST—FISH MEAL

Technology of the production of fodder meal from fish. L. IA. Ertel'. Izv. TINRO 46:221-233 '60.

SOVIET FAR EAST—GOLD MINES AND MINING

Development and distribution of gold mining in the Far East before the Revolution and during the first years of the Soviet regime. L. L. Kleopov. Sib. geog. sbor. no. 2:200-214 '63.

SOVIET FAR EAST—HISTORY

Interesting publication. G. E. Reikhberg. Vop. arkh. 6 no. 2:107-109 Ap-Je '63.

SOVIET FAR EAST—HYDROELECTRIC POWER STATIONS

Hydrological bases of designing small hydroelectric stations in the southern part of the Far East. M. B. Saduiants. Sbor. nauch. rab. DVNIIS no. 1:179-208 '61

SOVIET FAR EAST—LUMBERING

Improve the work of lumbering enterprises in the Far East. G. P. Dorozhkin. Les. prom. 40 no. 5 9-10 My '62.

SOVIET FAR EAST—MEDICAL GEOGRAPHY
Study of the medical geography of Siberia and the Far East during the prerevolutionary period. I. A. Khlebovich. Sib. geog. sbor. no. 2,237-247 '63.

SOVIET FAR EAST—RIVERS
Agricultural characteristics of irregular runoff of Far Eastern rivers. V. G. Chernenko. Sbor. nauch. rab. DVNIIS no. 1:105-143 '61

SOVIET FAR EAST—RUNOFF
Discharge capacity of riverbeds in the southern Far East. A. F. Klimenkov. Sbor. nauch. rab. DVNIIS no 1;145-160 '61.

SOVIET FAR EAST—STRIP MINING
Calculating the stability of stripping benches during open-pit working of coal deposits. V. G. Fetisov. Sbor. nauch. rab. DVNIIS no. 1:251-256 '61.

SOVIET FAR EAST—THUNDERSTORMS
A map indicating the number of days during which thunder storms occur in the southern part of the Far East. N. V. Lebedeva. Meteor. i gidrol. no. 10:56-58 O '63.

SOVIET FAR EAST—VOLCANIC ASH, TUFF, ETC.
Study of volcanic glass in the Far East. K. A. Adamchik. Sbor. nauch. rab. DVNIIS no. 1:275-296 '61.

SOVIET FAR EAST—WOODWORKING INDUSTRIES
Parameters of woodworking combines in Siberia and the Far East. D. Fogel', A. Belinkii. Les. prom. 40 no. 6:25-27 Je '63.

SOVIET UNION see Russia

SOVIETS
(see also subdivision under Tajikistan, Ukraine)
An aid for district soviet deputies. Part. zhizn' [Uzb.] 6 no. 2:94 F '64.

SOYBEAN see subdivision under Malaya Viska District

SOYBEAN OIL
Use of acetone in the extraction of soy-bean oil. N. K. Vaitirov, R. V. Bobrinetskaia. Izv. vys. ucheb. zav., pishch. tekh. no. 4:58-60 '63.

SPACE AND TIME
Causative mechanics and the possibility of an experimental study of the properties of time. N. A. Kozyrev. Ist. i metod. est. nauk no. 2 95-113 '63.

Modern theory of space and time. Part 1: Geometric space. A. S. Predvoditelev. Ist. i metod. est. nauk no. 2:3-94 '63.

SPACE BIOLOGY
Outer space on earth. A. A. Shakhov. Kul't. i zhizn. 7 no. 10:41-44 '63.

SPACE FLIGHT
Akademiia nauk SSSR. [Soviet man in space] Sovetskii chelovek v kosmose. Moskva, 1961. 11 p. (Vystavka dostizhenii narodnogo khoziaistva SSSR)

Beginnings of the space era (continued). L. Korneev. Tekh. mol. 30 no. 8:22-23 '62.

From aircraft to space flight. G. Pokrovskii. Kryl. rod. 14 no. 10:20-21 O '63.

SPACE FLIGHT—PHYSIOLOGICAL EFFECT
Bioelectric activity of skeletal muscles under the conditions of alternating action of overloading and weightlessness [with summary in English]. E. M. IUganov, I. I Kasatkin, B. F. Asiamolov. Izv. AN SSSR, Ser. biol. 28 no. 5,746-754 S-O '63.

SPACE LAW
The monopolies try to seize the universe. I. Cheprov. Mezhdunar. zhizn' 10 no. 12,49-57 D '63.

Space should become a peace zone. Kommentator. Mezhdunar. zhizn.' 10 no. 12,58-61 D '63.

SPACE MEDICINE
Rehearsal in a laboratory and recheck in space. Sov. Soiuz no. 8:8-11 '63.

SPACE PERCEPTION
Sechenov's theory on reflex space perception and several ways of its modern development [with summary in English]. E. Sh. Airapetian's, A. S. Batuev. Zhur. vys. nerv. deiat. 13 no. 5:831-844 S-O '63.

SPACE RESEARCH
Victories in space are forged on earth. O. Ternovoi. Ovt na vop. (rud. no. 1: 2-10 Ja '63.

SPACE VEHICLES—PROPULSION SYSTEMS
Virozub, I. E., and A. S. Eremenko. [Jet engines] Reaktivnye dvigateli. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963. 80 p. (Nauchno-populiarnaia literatura)

SPACESHIPS
A new flotilla of Soviet ships is in cosmic sailing. Mor. sbor. 46 no. 7:3-4 Jl '63.

SPACES, GENERALIZED
Special functions related to representations of class 1 of groups of motions of spaces of constant curvature. N. IA Vilenkin. Trudy Mosk. mat. ob-va 12,185-257 '63.

SPAIN—CIVIL WAR, 1936-1939—FOREIGN PARTICIPATION
From the history of international solidarity in the struggle against fascism. K. Swierczewski. Ist. arkh. 8 no. 2, 171-190 Mr-Ap '62.

SPANISH AMERICA see Latin America

SPARROWS—EXTERMINATION see subdivision under Kazakhstan

SPASTIC PARALYSIS see Paralysis, Spastic

SPAYING
Performing ovariectomy on 6-month-old swine according to an old Chinese method. N. G. Generalenko, V. IA Krasnogorskii. Sbor. stud. rab. MTIMMP no. 7 75-77 '62.

SPECIAL LIBRARIES see Libraries, Special

SPECTROGRAPH
Investigating a double-diffraction spectrograph at the Lvov Astronomical Observatory. P. P. Kozak, A. A. Kopystianskii. TSit. Astron. obser. L'viv, un. no. 39/10. 81-84 '63.

SPECTROMETER
Fourier-spectrometer for studying the near infrared region of the spectrum. B. N. Grechushnikov, G. I. Distler, I. P. Petrov. Kristallografiia 8 no. 3 468-471 My-Je '63.

Fourier-spectrometer with filters. B. N. Grechushnikov, G. I. Distler, I. P. Petrov. Kristallografiia 8 no. 3:466-468 My-Je '63.

Simplified spectrometer for measuring spectral fluxes of diffuse radiation [with summary in English] Kh. I. Nikolsk. Trudy Astrofiz. inst. AN Kazakh. SSR 3,72-73 '62.

SPECTROMETRY
Spectra of internal conversion electrons from a Gd fraction. A. S. Danagulian, N. A. Lebedev, A. T. Strigachev. Izv. AN SSSR. Ser. fiz. 27 no. 11:1392-1393 N '63.

Spectrum of internal conversion electrons emitted in Re^{194} decay. B. S. Dzhelepov and others. Izv. AN SSSR. Ser. fiz. 27 no. 11 1394-1401 N '63.

SPECTROPHOTOMETRY
Absorption of light in the atmosphere in the visual spectral region [with summary in English]. G. Sh. Livshits. Trudy Astrofiz. inst. AN Kazakh. SSR 4:102-108 '63.

Calculating the intensity of light scattered in the atmosphere of the spherical earth [with summary in English] G. Sh. Livshits. Trudy Astrofiz. inst. AN Kazakh SSR 4;114-119 '63.

Calibration curves for determining the overall water vapor content of the atmosphere by the spectroscopic method [with summary in English]. T. P. Tolmopova Trudy Astrofiz. inst. AN Kazakh. SSR 4:68-78 '63

Differential spectrophotometric determination of iron in the products of titanium and magnesium industry [with summary in English]. V. N. Tikhonov, N. D. Rychkova Zhur. anal. khim. 18 no. 9:1131-1133 S '63

Electrophotometry of a selected region of the outer solar corona in the visible spectral region during the total solar eclipse of February 15, 1961. S. M. Poloskov, A. E. Mikirov. Geomag. i aer. 3 no. 5:803-811 S-O '63.

Spectrophotometric study of the interaction of trivalent aluminum and hexavalent molybdenum ions with xylenol orange. Determination of aluminum and molybdenum in uranium [with summary in English]. B. Budeshinskii Zhur. anal. khim. 18 no. 9:1071-1074 S '63.

Spectrophotometry of twilight sky. A. Kh. Darchiia. Trudy Astrofiz. inst. AN Kazakh. SSR 3:241-244 '62.

SPECTROPOLARIMETRY
Spectropolarimetric study of Schiff's bases in the furan series. A. P. Terent'ev and others. Dokl. AN SSSR 152 no. 6:1373-1375 O '63.

SPECTRUM, INFRARED
Infrared spectra of the condensation products of γ, γ, γ" trichlorocrotonic acid nitrile with benzene in the presence of aluminum chloride. A. D. Grebeniuk, M. R. IAgudaev. Zhur. ob. khim. 33 no. 10:3253-3257 O '63.

Quantitative determination of allene in the propane-propylene fraction by infrared spectrometry. V. M. Mamedova, A. N. Shnulin, A. E. Postianskii. Neftekhimiia 3 no. 4:620-621 Jl-Ag '63.

SPECTRUM, SOLAR
Photographic spectrophotometry of H and K Ca II lines in the center of the disc and mean values for the entire disc (total solar flux) [with summary in English]. O. A. Mel'nikov, S. S. Zhuravlev. Vest. LGU 18 no. 19:135-141 '63.

SPECTRUM, ULTRAVIOLET
Brightness distribution over the daytime cloudless sky in the ultraviolet spectral region [with summary in English]. G. K. Kolomiets Trudy Astrofiz. inst. AN kazakh. SSR 1:80-84 '63.

Indicatrix of light scattering in the earth's atmosphere in the ultraviolet spectral region [with summary in English]. V. I. Pavlov. Trudy Astrofiz. inst. AN Kazakh SSR 1:93-101 '63.

SPECTRUM ANALYSIS
Chemical-spectral method for determining impurities in metallic niobium [with summary in English]. N. N. Kuznetsova, L. S. Kraiz. Zhur. anal. khim. 18 no. 9:1090-1093 S '63.

Determining the spectrum of particles of a disperse system from its transparency characteristics. Part 1 Fundamental equation for determining the spectrum of particles K. S. Shifrin, A. IA. Perel'man Opt. i spektr. 15 no. 4 533-542 O '63

Effect of alkaline and alkaline earth metals on the background in the 3500 - 4200 A spectrum region [with summary in English]. N. I. Tarasevich, A. D. Khlystova Zhur. anal. khim. 18 no. 9:1042-1045 S '63.

Investigation of copper and bronze articles by the method of spectrum analysis E. N. Chernykh. Sov. arkheol. 7 no. 3 145-155 '63.

Methods of the spectral analysis of nickel-base alloys. N. M. Smirnova, T. A. Bessonova. Khim. mashinostr. no. 3 36-37 My-Je '63.

Spectral study of the photoreduction of tetraphenylporphine. A. N. Sidorov, V. G. Vorob'ev, V. N. Terenin Dokl. AN SSSR 152 no. 4:919-922 O '63

State of titanium in the products of the complete crystallization of some systems. IA. S. Bobovich, G. T. Petrovskii. Zhur. strukt. khim. 4 no. 5:765-768 S-O '63

Theory of spectral bands of luminescence centers with a small radius O. I Sil'd. Opt. i spektr. 15 no. 4 478-485 O '63.

Twelfth Colloquium on Infrared Spectroscopy of Celestial Bodies. V. K. Prokof'ev, V. M. Sobolev. Vest AN SSSR 33 no. 10,92-93 O '63.

SPERM WHALE see subdivision under Kurile Islands, Pacific Ocean

SPEECH—ELECTROMECHANICAL ANALOGIES
Distribution of the instantaneous values of Chinese speech signals. IUan' Bao-tszun [Yüan Pao-tsun]. Sbor. trud. LIIZHT no. 179 55-60 '61

Method for generating a fundamental tone IUan' Bao-tszun (Yüan Pao-tsun] Sbor. trud LIIZHT no 179 48-54 '61.

Nature of speech and its synthetic reproduction. V. N Listov. Sbor. trud. LIIZHT no. 179 35-47 '61.

SPEECH THERAPY
Children must speak correctly. T. Rovkova. Nar. obr no. 10:26-29 O '63.

In the Ministry of Education of the R. S. F. S. R Nar. obr. no. 10 124 O '63.

SPEEDOMETERS
Simplified and accelerated system for the regulation of electromagnetic speedometers. V. P. Shalanin. Elek. i tepl. tiaga 7 no. 10:21 O '63.

SPERMATOGENESIS IN ANIMALS
Characteristics of spermatogenesis in some bivalve mollusks (Unio, Anodonta, Mya). N. S. Stroganova. Vest. Mosk. un. Ser. 6 Biol., pochv. 18 no. 6 25-34 N-D '63.

SPERMATOZOA
Biochemistry of nucleic acid metabolism of spermatozoa in relation to the problems of sex determination in mammals [with summary in English]. V. N. Shreder. Izv. AN SSSR. Ser. biol. 28 no. 4:555-561 Jl-Ag '63

SPILITES
Linear parageneses of the main rock-forming elements of rocks in spilite-keratophyre formations. IU. V. Podol'skii. Dokl. AN SSSR 152 no. 4:975-978 O '63.

SPINAL CORD—DISEASES
Segmental vasomotor disorders in diseases of the spinal cord. A. N. Vengerova. Trudy mol. nauch. sotr. MONIKI no. 1:187-190 '59.

SPINAL CORD—SURGERY
Surgical treatment of "sand-clock" type tumors in the spinal cord. T. S. Krestovnikova. Trudy mol. nauch. sotr. MONIKI no. 1:35-38 '59.

SPINAL CORD—TUMORS
Clinical aspects of tumors of the spinal cord and the spine; about some difficulties and errors of diagnosis [with summary in French]. N. A. Popov. Zhur nevr. i psikh. 63 no. 2:161-166 '63.

Surgical treatment of "sand-clock" type tumors in the spinal cord. T. S. Krestovnikova. Trudy mol. nauch. sotr. MONIKI no. 1:35-38 '59.

SPINAL CORD—WOUNDS AND INJURIES

Changes in the nerve cells of the pia mater of the spinal cord in closed injuries. D. G. German. Zdravookhranenie 6 no. 5:37-40 S.-O. '63.

Conductive vasomotor disorders in lesions of the spinal cord. A. V. Vengerovich. Trud. mol. nauch. sotr. MONIKI no. 1:184-186 '63.

Effect of the injury of the posterior column of the spinal cord on motor and feeal conditioned reflexes. G. E. Grigorian. Izv. AN Arm. SSR Biol. nauki 16 no. 7:64-68 Jl '63.

SPINE—DISEASES

Study of the etiology, pathogenesis and symptoms of arthrosis of large joints, spondylarthrosis, and spondylosis. E. M. Morozova. Kaz. med. zhur. no. 1:33-38 Ja-F '61

SPINE—FRACTURE

Uncomplicated fractures of the spine and their treatment. O. Sh. Buachidze. Trudy mol. nauch. sotr. MONIKI no. 1:12-17 '59.

SPINE—TUMORS

Clinical aspects of tumors of the spinal cord and the spine, about some difficulties and errors of diagnosis [with summary in French]. N. A. Popov. Zhur. nevr. i psikh. 63 no. 2:161-166 '63.

SPINEL

Characteristics of solid solutions between chrome spinellid and iron oxides. B. I. Sukhatevskii. Rent. min. syr. no. 2:11-16 '62.

SPINNING

Evening of the sliver number during sliver formation from the carding. L. Kh. Butrovich. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 4:59-68 '63.

SPINNING MACHINERY

Abramov, L. M., and L. M. Zhuravskii. [Use of plastics in the manufacture of textile machinery] Primenenie plasticheskikh mass v tekstil'nom mashinostroenii, iz opyta proizvodstva priadil'nogo oborudovaniia. Moskva, Mashgiz, 1963. 113 p.

Nonuniformity of the lap width on single-process scutching machines. V. V. Taleporovskaia, V. A. Suzdalkir.

Twisting and drawing machine with thermal plasticization of the moving synthetic fibers. V. R. Borovskyi and others. Leh. prom. no. 3:8-11 Jl-S '63.

Using the tangential feed method for groove rolling on the pedestals of spinning machines. L. A. Veselov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 4:131-136 '63.

SPINNING MACHINERY—*ELECTRIC DRIVING*

Driving devices of roving machines. K. S. Shishlo, A. V. Volkov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 4:126-130 '63.

SPINNING MACHINERY—SAFETY APPLIANCES

Vsesoiuznyi nauchno-issledovatel'skii institut okhrany truda. [Safety engineering and dust-removing ventilation of draw frames for flax spinning] Tekhnika bezopasnosti i obespyliyaiushchaia ventiliatsiia na lentochnykh mashinakh l'nopriadil'nogo proizvodstva. Ivanovo, 1963. 15 p.

[MICROFILM]

SPIRAL GEARING see Gearing, Spiral

SPIRITUAL LIFE—ORTHODOX EASTERN AUTHORS

El'chaninov, A. V. [Writings] Zapisi. Izd. 3-e, dop. Paris, YMCA Press [c1962] 165 p.
(NNC)

SPLEEN—HYDATIDS

Roentgenological diagnosis of splenic echinococcosis. V. Kh. Frenkel', G. A. Bronshtein, I. Kh. Kutsarov. Zdravookhranenie 6 no. 3:56-57 My-Je '63.

SPLEEN—RADIOGRAPHY

Roentgenological diagnosis of splenic schistococcosis. V. Kh. Frenkel', G. A. Bronshtein, I. Kh. Kutsarov. Zdravookhranenie 6 no. 3:56-57 My-Je '63.

SPORADIC E (IONOSPHERE) see subdivision under Antarctic regions

SPORES (BOTANY), FOSSIL

Germination of the exospore in fossil charophytes and a new form genus, V. P. Maslov. Dokl. AN SSSR 152 no. 2:443-445 S '63.

SPORTS
(see also subdivision under Andizhan; Severodonetsk)

For friendship among nations, for progress in sports. Teor. i prak. fiz. kul't. 26 no. 1:1-5 Ja '63.

Jump across bad weather. M. Aleksandrov. Ogonek 41 no. 39:22-23 S '63.

Lessons of the Spartakiada. N. Krepa. Voen. znan. 39 no. 10:31 O '63.

Right where you live.... V. Orlov. Zhil.-kom. khoz. 11 no. 12:11-12 D '61.

Sports. Sov. Soiuz no. 8:53 '63.

Sports. Sov. Soiuz no. 9:54-55 '63.

Triumph of the Soviet giants. V. Egorov. Sov. Soiuz no. 10:55 '63.

We are getting ready for the starts. Kh. Krutik. Voen. znan. 39 no. 10:18 O '63.

Yesterday, today and tomorrow. Mark Tartakovskii. Smena 40 no. 19:30-31 O '63.

SPORTS—EQUIPMENT AND SUPPLIES

Platform with a support for the feet for rope climbing. S. A. Pendiurin. Teor. i prak. fiz. kul't. 26 no. 1:79 Ja '64.

SPORTS—ORGANIZATION AND ADMINISTRATION
(see also subdivision under Estonia)

Development of social principles in the activities of the Volunteer Sports Society "Trud". A. V. Vasil'ev. Teor. i prak. fiz. kul't. 26 no. 1:38-41 Ja '63.

Mass participation plus skill. P. Pasechnyi. Sov. profsoiuzy 19 no. 17:38-40 S '63.

Multiply the ranks of athletes. Iu. Vanliat. Sov. profsoiuzy 19 no. 20:40-43 O '63.

Plenum of the Scientific and Methodological Council. Teor. i prak. fiz. kul't. 26 no. 1:78-79 Ja '63.

SPORTS—PHILOSOPHY

Bourgeois sociology on the role of sports in a society. A. A. Frenkin. Teor. i prak. fiz. kul't. 26 no. 1:7-10 Ja '63.

SPORTS—STATISTICS

Sports of the U.S.S.R. in figures. Teor. i prak. fiz. kul't. 26 no. 1:5-6 Ja '63.

SPORTS FOR WOMEN

Redoutable foils. I. TSyves. Rab. i sial. 39 no. 7:17 Jl '63.

SPORTS STORIES

Kolesnikova, N. A., and P. F. Mikhalev. [It is better to start today] Luchshe nachat' segodnia. Moskva, Detgiz, 1963. 92 p.

SPRAY PAINTING, ELECTROSTATIC

Methods for analyzing paint concentration in the atomizing jet during painting in an electric field. M. E. Belokon', G. B. Inozemtsev. Lakokras. mat. i ikh prim. no. 4:46-47 '62.

SPRAY PAINTING, ELECTROSTATIC—EQUIPMENT AND SUPPLIES see subdivision under Hungary

SPRAYING AND DUSTING EQUIPMENT

The RTU-4 spreader. N. I. Polunin. Biul. tekh.-ekon. informatsii Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10:79-80 '63.

SPRAYING AND DUSTING EQUIPMENT—DESIGN AND CONSTRUCTION

Some problems in the design and calculation of centrifugal atomizers of agricultural sprayers. M. V. TSitsiv. Trakt. i sel'khozmash. 33 no. 3:23-26 Mr '63.

SPRINGS (MECHANISM)
(see also subdivision under Great Britain)

Effect of the stiffness of the superstructure, spring sag and certain tolerances in repairing on the weight on the rails of the locomotive. M. L. Korotenko. Trudy DIIT no. 24:72-105 '54.

Hydroabrasive treatment of springs made of patented BI wire. V. P. Ostroumov. Metalloved. i termobr. met. no. 11:42-43 N '63.

SPRINGS (MECHANISM)—TESTING

Investigation of the longitudinal impact upon a cylindrical spring. A. A. Konovalov. Izv. vys. ucheb. zav.; mashinostr. no. 8:123-127 '63.

SPRINKLER IRRIGATION

Uniformity of the distribution of irrigation water and the effect of wind on the size of the area covered by long-range sprinklers. M. I. Nazarov. Izv. AN Kir. SSR, Ser. est. i tekh. nauk 4 no. 10:79-85 '62.

SPRINKLERS

Hinged elbow of a sprinkling unit. A. Korabikov. Tekh. v sel'khoz. 23 no. 8:32 Ag '63.

SPRUCE see subdivision under Kadnikov region

SPUTNIKS see Artificial satellites

SQUASH BREEDING

Squash breeding and seed production. Iu. G. Skripnikov. Nauch. dokl. vys. shkoly; biol. nauki no. 4:170-173 '63.

SQUIRTING CUCUMBER

Microcarpology of the gourd family; anatomy of the fruits of squirting cucumber and balsam apple. B. T. Mattenko. Bot. zhur. 48 no. 9:1348-1352 S '63.

STABILITY OF SHIPS

Overturning of undamaged ships. D. Eidel'man. Mor. flot 23 no. 8:42-43 Ag '63.

STAINS AND STAINING

Staining veneer from Manchurian [illegible] pictum. V. A. Morozov. Der.-prom. [illegible] '63.

STAINS AND STAINING (MICROSCOPY)

Sudan staining of lipids and lipoproteins [illegible] Khin. Arkh. pat. no. 2:77-79 '63.

Using nuclease in histochemical [illegible] ann. T. I. Sokolovskaia, S. M. Gundo[illegible] 392-395 '62.

STALIN, IOSIF, 1879-1964

Defenders of the personality cult [illegible] vrem. 24 no. 11:13-19 O '64.

STALINABAD see Dushanbe

STALINGRAD see Volgograd

STALINGRAD PROVINCE see Volgograd [illegible]

STALINO see Donetsk

STALINO PROVINCE see Donetsk [illegible]

STAL'SKII, SULEIMAN, 1869-1937

Agaev, A. G. [Suleiman Stal'skii, his [illegible] Suleĭman Stal'skiĭ, zhizn' i tvorcheskiĭ [illegible] kaia) Dagestanskoe knizhnoe izd-vo, 1[illegible] 3-8 O '63.

STANDARDIZATION
(see also subdivision under dictionaries; [illegible] Moldavia; Visual Terminology; Zaporozh[illegible]

Determination of the efficiency of the [illegible] factors of standardized parts and [illegible] N. I. Voitsekhov. Vest. Mash. 43 no. [illegible] 3-8 O '63.

Determining minimum data content [illegible] for qualitative indices. D. I. Hol[illegible] G. A. Sotn. Standartizatsiia 27 no. [illegible]

The 17th session of the Council of the [illegible] ards Organization. K. P. Nikonov. [illegible] 27 no. 10:54-56 O '63.

Standardization service in an industrial [illegible] Zemtsegliadov. Standartizatsiia [illegible]

Standardization trend in the technological [illegible] production processes. V. A. Fateev. [illegible] 27 no. 10:56-57 O '63.

STANDARDS, ENGINEERING

Accounting for standards in the institute [illegible] L. B. Shakhov. Standartizatsiia [illegible] '63.

Foreign standards. Standartizatsiia 27 [illegible] '63.

Foreign standards. Standartizatsiia 27 [illegible] '63.

[Information index of standards] Informatsionnyi [illegible] 24 no. 9 '63.

State standards. Standartizatsiia 27 [illegible] '63.

STANISLAV PROVINCE see Ivano-Frank[illegible]

STANISLAVSKII, KONSTANTIN SERGEEVICH, [illegible]

Blok, V. B. [Stanislavskii's method and [illegible] dramaturgy] Sistema Stanislavskogo i [illegible] tergii. Moskva, Vserom. tsentr [illegible] 193 p.

K. S. Stanislavskii's correspondence with [illegible] vich-Danchenko, 1902-1917. Submitted [illegible] skii. Lit. arkh. 8 no. 2:3-58 Mr-Ap '63.

Stage-director Stanislavskii; on the 26[illegible] his birth. Tat'iana Nachelin. Nov. [illegible] 217 Ja '63.

Toporkov, V. O. [Four essays on K. S. Stanislavskii] Chetyre ocherka o K. S. Stanislavskom. M[illegible] Sovetskaia Rossiia, 1963. 45 p.
(NIC)

STAPHYLOCOCCAL DISEASE

Antitoxic immunity in staphylococcus [illegible] (English). M. I. Rivlin. Vest. dermat. [illegible] 16 O '62.

Dutch cheese as a possible source of [illegible] staphylococcal nature. V. A. Zverev, [illegible] Uch. zap. Mosk. nauch.-issl. inst. san. i gig. [illegible] '60.

STAPHYLOCOCCUS

Survival of intestinal microbes and staphylococcus in [illegible] tage cheese kept in refrigerators for long [illegible] sub-zero temperatures. V. A. Zverev, [illegible] nauch.-issl. inst. san. i gig. no. 4:57-[illegible]

STARA PLANINA—MAMMALS

Mammals of Stara Planina and the Ukraine. G. Markov, K. A. Tatarinov. Zhiz. prirody [illegible] URSR no. 32:43-49 '63.

STARCH

Change in the amount of proteins and starch [illegible] of Italian millet under the influence of ag[illegible] background zonality. O. T. Kobuladze [illegible] SSR 30 no. 5:573-578 My '63.

[illegible]

STATE, THE

[illegible] [The ideological poverty of anticommunism; against the distortion of the problems of socialist state and law by the ideologists of anticommunism] [illegible] Moskva, [illegible], 1963. 126 p.

STATE AND SCIENCE see Science and state

STATE FARMS

(See also subdivision under: Ural Province, White Russia)

In the [illegible] institutes. [illegible] 30 no.8 [illegible]

[illegible] group on a farm. V. [illegible] Sov. profsoiuzy 19 no.17 [illegible] '63.

STATE FARMS—ACCOUNTING

[illegible] electric power consumption on collective and state farms during the transition to economic accountability within sections of farms. [illegible] [illegible] no.5:18-19 Ap '63.

STATE FARMS—COST see subdivision under: Virgin Territory

STATE FARMS—ECONOMIC ASPECTS

[illegible] [Organization of farm areas and the utilization of land on state farms in virgin lands] [illegible] Moskva, Ekonomizdat, 1963. 200 p.

STATE FARMS—MANAGEMENT

(See also subdivision under: [illegible] District, Kuban, [illegible] Territory, Uzbekistan)

[illegible] V. [illegible] Sov. profsoiuzy 19 no.[illegible] '63.

[illegible] on a state farm. [illegible] no.10:[illegible] '63.

[illegible] for establishing the optimal size of state farms and their sections. [illegible] no.9:[illegible] '63.

STATE FARMS—STATISTICS

(See also subdivision under: [illegible] Territory)

Number of the populated areas, branches and sections in state farms of the Ministry of Agricultural Production and State Deliveries in the Union Republics for 1963. Vest. stat. no.10:[illegible] '63.

STATES, NEW—ECONOMIC CONDITIONS

[illegible] "[illegible] the [illegible]" [illegible] A. P. [illegible] '63.

STATES, NEW—ECONOMIC POLICY

The theory of "[illegible] development" and "combined [illegible]" [illegible] no.[illegible] '63.

STATES, NEW—POLITICS AND GOVERNMENT

The socialist system is the decisive factor in the independent development of national states. V. [illegible] no.10:[illegible] '63.

STATESMEN, NEPALESE

[illegible] 21 no.44:[illegible] '63.

STATISTICS

[illegible] [Brief course in statistics, a textbook for students in departments of geography at state universities] [illegible] Moskva, Izd-vo Mosk. univ., 1963. [illegible] p.

(MIRA [illegible])

Militant aids of Soviet statisticians. [illegible] V. [illegible] Vest. stat. no.10:[illegible] '63.

[illegible] problems discussed in newspapers and journals. [illegible] '63.

Statistical problems discussed in newspapers and journals. Vest. stat. no.10:75-76 '63.

STATISTICS—CONGRESSES

Conference of Central Statistical Administration Chiefs of the Union Republics. [illegible] Vest. stat. no.[illegible] '63.

STAVROPOL PLATEAU—PHYSICAL GEOGRAPHY

Physicogeographical regionalization of the Stavropol Plateau in the zone of the Kuban-Kalaus irrigation system. M. D. [illegible] Vest. Mosk. un. Ser. [illegible] 18 no.6:[illegible] '63.

STAVROPOL TERRITORY—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

With the warmth of your heart toward fellow man. [illegible] Sov. profsoiuzy 19 no.19:[illegible] '63.

STAVROPOL TERRITORY—AGRICULTURE

[illegible] and ashes. Andrei Gubin. Oktiabr' 35 no.12: 134-141 D '63.

STAVROPOL TERRITORY—CORN (MAIZE)—HARVESTING

Harvesting corn for dry grain by stages. A. Poddubnyi. Tekh. v sel'khoz. 23 no.6:17-18 Je '63.

STAVROPOL TERRITORY—RURAL SCHOOLS

For rural workers. G. [illegible] Nar. obr. no.10:[illegible] '63.

STAVROPOL TERRITORY—SHEEP

Mechanized shepherd's brigades. V. [illegible] Avtom. [illegible] no.18:[illegible] '63.

STAVROPOL TERRITORY—SORGHUM—HARVESTING

Reaper for harvesting sorgo for grain. V. Mironshichenko, G. [illegible] Tekh. v sel'khoz. 23 no.8:35-37 Ag '63.

STAVROPOL TERRITORY—STATE FARMS—MANAGEMENT

With the warmth of your heart toward fellow man. G. [illegible] Sov. profsoiuzy 19 no.19:[illegible] '63.

STEAM BOILERS see Boilers

STEAM BOILERS, MARINE see Boilers, Marine

STEAM ENGINES—MAINTENANCE AND REPAIR

Restoration of the operation of the wet air pump of the [illegible] steam engine. A. I. Marchenko. Energetik 11 no.10:[illegible] '63.

STEAM HEATING

Unit for heating winter shelters. V. S. [illegible], V. I. Paramonov. Avt. dor. 26 no.10:[illegible] '63.

STEAM TURBINES

(See also subdivision under: [illegible])

Accelerated start of the VPT-50-4 turbine with steam heated flanges and [illegible] V. A. Prokhorov. Elek. sta. 34 no.4:[illegible] Ap '63.

Automation of the improved system of terminal glands of [illegible] high pressure turbines. G. [illegible] Elek. sta. 34 no.8:20-22 Ag '63.

Efficient load distribution between turbines. [illegible] Elek. sta. 34 no.8:[illegible] Ag '63.

Improvement of the thermal network of the VK-100-[illegible] turbine. G. D. [illegible] Elek. sta. 34 no.8:[illegible] Ag '63.

In the Technical Council of the State Production Committee on Power Engineering and Electrification of the U.S.S.R. Energetik 11 no.11:[illegible] '63.

Moment of resistance to the rotation of a disk with vanes. V. S. [illegible] Izv. vys. ucheb. zav.; energ. 6 no.[illegible] '63.

STEAMBOATS see subdivision under: Murmansk

STEAMPIPES

Make a high-pressure steam and water equipment. M. I. [illegible] Energetik 11 no.11:20-[illegible] '63.

STEBNIK REGION—POTASSIUM SALTS

Improvement of the methods of mining at the Stebnik extracting center. [illegible] Kh. A. [illegible] M. I. [illegible] Khim. prom. no.7:549-550 Jl '63.

STEEL

Extrusion of high-speed steel. V. P. [illegible] K. V. [illegible] Dokl. AN BSSR 7 no.10:[illegible] '63.

Mitrovich, V. P. [Study of friction between polyamides and steel] Issledovanie treniia poliamidov po stali. Moskva, Izd-vo AN [illegible] 1963. 91 p.

Temperature of formation and the structure of glass-metal coatings on steel. [illegible] A. Antonov, [illegible] A. [illegible] Zhur. prikl. khim. 36 no.8:1617-1621 Ag '63.

STEEL—ANALYSIS

Effect of the chemical composition of steels on their strength characteristics at various temperatures. [illegible] Stal' 23 no.10:[illegible] '63.

STEEL—CORROSION

Use of gasoline-resistant coatings for anticorrosive protection of the inner surfaces of welded metal barrels. M. V. [illegible] Lakokras. mat. i ikh prim. no.5:42-44 '63.

STEEL—ELECTRIC PROPERTIES

"Magnetic properties of electrical steel" by V. V. Drozhzhina. Reviewed by [illegible] Elektrotekhnika 34 no.10:[illegible] '63.

STEEL—ELECTROMETALLURGY

Decarburizing the bath of a large electric furnace. R. M. Khairutdinov. Stal' 23 no.10:911-914 O '63.

STEEL—HARDENING

Effect of preliminary hardening on the deformation aging processes in low-carbon steel. I. F. [illegible] N. V. [illegible] Fiz. met. i metalloved. 16 no.3:[illegible]-447 S '63.

Hardening of steel parts. I. Petrov. Nar. khoz. Kazakh. 31 no.8:77-78 Ag '63.

STEEL—HARDENING (Continued)

Program controlled unit for liquid carburizing and hardening of steel parts. V. I. Rafal'skii. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 32-31 '63

Selecting the optimum conditions of heat hardening of low-carbon rimmed steel. N. F. Lageida. Stal' 23 no. 10 933-935 O '63

STEEL—HEAT TREATMENT
(see also subdivision under Czechoslovakia, Germany, East)

Critical speed of heating with recrystallization of steel. G. K. L'vov. Fiz. met. i metalloved. 16 no. 3 486-489 S '63.

Effect of treatment in fused media on the plasticity of transformer steel. I. N. Bogachev, R. I. Mints. Izv. vys. ucheb. zav., chern. met. 6 no. 9:174-176 '63

Heat treatment of 30KhGSA, 30KhGSNA, 38Kh1, and 40KhNVA steels in an endothermic atmosphere. N. P. Petrov, I. T. Troshkin, A. P. Filippov. Vest. mashinostr. 43 no. 10:61-63 O '63.

Kinetics of the dissolving of carbon and the recrystallization of commercial iron. G. K. L'vov, V. I. Motlazhev. Izv. vys. ucheb. zav., chern. met. 6 no. 8:128-131 '63.

STEEL—HYDROGEN CONTENT

Effect of hydrogen on stressed and deformed steel at room temperature. M. B. Asman. Khim. mashinostr. no. 3:30-31 My-Je '63.

STEEL—INCLUSIONS

Effect of the surface activity of components dissolved in iron on the consecutiveness of their oxidation. S. I. Popel', V. V. Pavlov. Izv. AN SSSR. Met. i gor. delo no. 5:42-49 S-O '63.

STEEL—MAGNETIC PROPERTIES

Effect of a bend in electrical steel on its magnetic properties. R. B. Gershman and others. Elektrichestvo no. 11 62-63 N '63.

STEEL—METALLOGRAPHY

Carbide phase in R18 steel. G. A. Khasin and others. Metalloved. i term. obr. met. no. 11:40 N '63

Effect of the crystal structure imperfections in hardened steel on the martensite decomposition process. L. I. Lysak, A. G. Drachinskaia. Fiz. met. i metalloved. 16 no. 3:370-377 S '63.

Effect of various factors on the tendency of steel towards anomalies. B. S. Natapov and others. Izv. vys. ucheb. zav., chern. met. 6 no. 8 141-150 '63.

Investigating crack growth in transformer and certain carbon steels. V. M. Finkel', V. A. Zraichenko, T. K. Dciashkina. Fiz. met. i metalloved. 16 no. 3. 448-456 S '63.

Investigating the dendritic liquation of silicon in spring steel with the help of an electronic probe. IA. N. Malinochka, S. B. Maslenkov, T. V. Egorshina. Stal' 23 no. 10:937-939 O '63.

Microstresses and fields of coherent scattering in martensite crystals. G. V. Kurdiumov, E. G. Nesterenko. Fiz. met. i metalloved. 12 no. 6:883-890 D '61.

Primary structure of a continuous ingot of rimmed steel. V. B. Gankin and others. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:62-67 '63.

Studying the decomposition of martensite by modeling. B. A. Brusilovskii. Fiz. met. i metalloved. 16 no. 3: 381-385 S '63.

STEEL—METALLURGY

Effect of inoculators on the viscosity of liquid steels. N. S. Kreshchanovskii, M. F. Sidorenko. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:142-144 '63.

Effect of the technology of making and pouring steel on the formation of internal laps in rolled pipe. V. I. Lapitskii and others. Met. i gornorud. prom. no. 5:17-18 S-O '63.

Improving the preparation of raw materials for steel smelting. I. I. Bornatskii. Met. i gornorud. prom. no. 5:14-17 S-O '63.

STEEL—OXYGEN CONTENT

Possibility of calculating the oxygen content in open-hearth metal during the finishing period. A. A. Vedernikov, N. N. Perevalov, O. V. Travin. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:55-61 '63.

STEEL—STATISTICS

Steel production in capitalist countries (in millions of tons). Met. i gornorud. prom. no. 5:92 S-O '63.

STEEL—TESTING

Dependence of the mechanical properties of bessemer steel on its chemical composition. N. P. Konashko. Met. i gornorud. prom. no. 5:18-22 S-O '63.

The McQuaid test of steel. S. Orzhekhovskii. Standartizatsiia 27 no. 10:26-29 O '63.

Properties of steel with a martensite structure obtained from hardened austenite. Metalloved. i term. obr. met. no. 11:58-62 N '63.

Use of converter metal for the manufacture of electrically welded pipe. P. V. Savkin and others. Met. i gornorud. prom. no. 5:28-30 S-O '63.

STEEL—WELDING

Highly efficient electrodes for the welding of low-carbon steel. V. V. Alov, M. N. Mogil'ner. Svar. proizv. no. 10 31-33 O '63.

STEEL, HEAT-RESISTANT

Improving the plasticity of Kh23N18 heat-resistant steel. E. I. Moshtevich, R. D. Minin'on. Met. i gornorud. prom. no. 5 76 S-O '63.

STEEL, HEAT-RESISTANT—METALLURGY

Effect of addition elements on the heat-resistance of chromium ferrite. M. M. Shtenberg and others. Fiz. met. i metalloved. 16 no. 3. 467-473 S '63.

STEEL, HEAT-RESISTANT—TESTING

Effect of addition elements on the mechanical properties of chromium ferrite at high temperatures. M. M. Shteinberg, V. S. Zlatkina, L. G. Zhunavlev. Fiz. met. i metalloved. 16 no. 3:471-479 S '63.

STEEL, STAINLESS—ELECTROMETALLURGY

Electric slag refining of stainless, heat-resistant steel. G. A. Khasin and others. Stal' 23 no. 10 908-910 O '63.

STEEL, STRUCTURAL

Ben', T. G., I. V. Zdornov, and I. S. Kagan. [Economical rolled sections] Ekonomichnye profili prokata. Moskva, Metallurgizdat, 1963. 163 p.

Steel and aluminum in construction. Biul. stroi. tekh. 20 no. 8 48 Ag '63.

Utilization of reinforcing steel in reinforced concrete elements, used in the open-air at low temperatures. Biul. stroi. tekh. 20 no. 8 23-24 Ag '63

STEEL, STRUCTURAL—ANALYSIS

Effect of the chemical composition on the strength of low-alloy reinforcement steel. R. D. Rusev, S. A. Radotiska. Stal' 23 no. 10 939-940 O '63.

STEEL, STRUCTURAL—BRITTLENESS

Conditions of the initiation of brittle fracture in welded elements of the rolling stock and methods for its prevention. M. M. Kratchik. Trudy TSNII MPS no. 260, 4-30 '63.

STEEL, STRUCTURAL—WELDING

Evaluating the economy and efficiency of welding structural elements. IA. M. Likhtarnikov. Avtom. svar. 16 no. 5:78-83 My '63.

Resistance welding in the production of construction elements. I. V. Vologdin, R. Sh. Miftakhov. Svar. proizv. no. 10:28-31 O '63.

STEEL ALLOYS—WELDING

Quality of welding joints in low-alloy steels modified by nitrides. A. S. Astaf'ev, E. V. Petunina. Svar. proizv. no. 10 3-6 O '63.

Thematic conference on the weldability of heat-hardened, low-alloy steels. V. S. Milanchev. Avtom. svar. 16 no. 5:96 My '63.

STEEL INDUSTRY
(see also subdivision under United States)

Great potentialities in steel production. F. G. Kostenko. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11:3-5 '63.

Improve planning in ferrous metallurgy. Stal' 23 no. 10: 865-868 O '63.

STEEL INDUSTRY—PRICES see subdivision under United States

STEEL INDUSTRY—STATISTICS

Industrial capacity in ferrous metallurgy of capitalist countries (in millions of tons). Met. i gornorud. prom. no. 5:91-92 S-O '63.

STEEL INGOTS

Comparing the mechanical and chemical capping of rimmed steel ingots. R. Z. Elimelakh, N. P. Mershchii, K. S. Alferov. Met. i gornorud. prom. no. 4:14-19 Jl-Ag '63.

Determining the temperature range for the forging of high-alloy steel and alloy ingots. B. F. Vakhtanov. Kuz.-shtam. proizv. 5 no. 9:9-11 S '63.

Heat processes during the solidification of ingots following electric slag refining. V. V. Panin, E. I. Molchanov, E. R. Plotkin. Izv. vys. ucheb. zav.; chern. met. 6 no. 9: 83-87 '63.

Mechanical and chemical capping of rimmed steel ingots in top casting. L. A. Smirnov, N. D. Korneev. Stal' 23 no. 10:894-903 O '63.

Reducing the amount of crop by improving the shape of risen heads. N. I. Beda. Stal' 23 no. 10 903-904 O '63.

Solidification of steel ingots of rectangular cross section in continuous casting equipment. A. A. Skvortsov. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:68-76 '63.

Using exothermic mixtures to obtain slag during steel pouring. N. IA. Ishchuk, K. K. Prokhorenko, IU. G. Emel'ianenko. Met. i gornorud. prom. no. 5:72-75 S-O '63.

STEEL INGOTS—TESTING

Investigating temperature fields in electric V. V. Panin and others. Izv. vys. uchebn. zav. C no. 9:77-82 '63.

STEEL PIPE see Pipe, Steel

STEELWORKERS see subdivision under Tashkent Province)

STEERING GEAR

Effect of the operation of actived fins on the ability of the ship. B. D. Shan'ko. Riyb. kh. no. 11 42-50 '62.

STEERING GEAR—ELECTRIC DRIVING

Load conditions on the electric steering gear "Andizhan" ("Indigent")-type drum. B. G. tekh.-ekon. inform. Tekh. upr. Min. mash. 16-23 '62

STELAZINE

Treatment of patients with a paranoid form phrenia by means of stelazine (with summar V. E. Galenko, E. G. Kel'mashkin. Zhur. 63 no. 2 268-275 '63

STELE (ARCHAEOLOGY) see subdivision un Volga Valley

STEL'MAKH, MIKHAIL AFANAS'EVICH, 191

Studying M. Stel'makh's novel "Right an 11th grade." M. O. Kostenko. Ukr. mova i l no. 1:39-47 Mr '63.

STEPPE FLORA see subdivision under Kaz. Kumak Valley, Ob' Valley

STEREOCHEMISTRY

Determination of the number of stereoisomeric complex compounds. I. V. Khivoshet. Zhur. st 4 no. 5, 757-761 S-O '63.

Stereochemical studies. Part 16. Optically (3-indolyl) isopropylamine. V. M. Potapov. Zhur. ob. khim 33 no. 8 2702-2705 Ag '6

Stereochemistry of acetylenic synthesis. P. Absorption spectra and space configuration of rical isomers of 1, 3-dimethyl-4-ethynyl-4-V. B. Belianin, B. V. Unkovskii, I. A. Markarii khim 33 no. 8 2534-2540 Ag '63.

Stereochemistry of acetylenic synthesis. P configuration of geometrical isomers of 1, methyl-4-ethynyl-4-piperidol and their deri B. V. Unkovskii and others. Zhur. ob. khim 2540-2548 Ag '63.

Stereochemistry of the addition of mercury s fins studied by the use of the mercury salt methane. N. S. Zefirov, L. P. Prikazchikova, IU. Izv. Dokl. AN SSSR 152 no. 4 869-871 O

STERILITY

Treatment of sterility by Prof. V. V. Trel'iak T. I. Stepanova. Kaz. med. zhur. no. 2:51-52 '63.

STEROIDS

Riboflavin and 17-ketosteroid metabolism in seborrhea [with summary in English]. I. B. F. A. Kruchakova, M. G. Podgaetskaia. Vop no. 1:28-32 Ja-F '63.

STETSENKO, KYRYLO IRYHOROVYCH, 1882

Parkhomenko, L. O. Kyrylo Iryhorovych Ste Kyiv, Derzh. vyd-vo "Mystetstvo," 1963. 2

STIMULANTS

Antidepressive action of transamine, prelimin E. A. Burdakova, N. A. Vedernikova, N. P. Ko Zhur. nevr. i psikh. 62 no. 12:1813-1814 '6

Increase in the resistance of animals to overl great accelerations under the action of some vitamins and hormone preparations. V. IA. Nauch. dokl. vys. shkoly, biol. nauki no. 4 '63.

STOCK AND STOCKBREEDING
(see also subdivision under Belgorod Provi Iskitim District; Kalmyk A.S.S.R.; Minsk I Moldavia; Orenburg Province; Ukraine)

A. N. Bach prize. T. N. Shcherbinovskaia. Izv Ser. biol. 28 no. 4:638 Jl-Ag '63.

Contribution of chemistry to stockbreeding. chnyi. Nauka i zhyttia 12 no. 3:38-39 Mr

Problems of chemicalization in animal husban V. G. Kocherezhkin. Izv. AN SSSR, Ser. biol. 768-774 S-O '63.

Relation between the productivity of farm anim the sex ratio in their progeny. E. M. Vladimi Nauch. dokl. vys. shkoly; biol. nauki no. 4 174

STOCK AND STOCKBREEDING—ABSTRACTS

[Animal husbandry, Veterinary medicine] Ref Zhiv. Vet. nos. 21-22 N '63.

STOCK AND STOCKBREEDING—CONGRESSES

Produce more and cheaper livestock products. rin. Ekon. sel'khoz. 34 no. 10:126 O '63.

STOCK AND STOCKBREEDING—COSTS
(see also subdivision under Elva District; Voronezh Province)

Produce more meat and cheaper. M. V. Pentiuk. Dokl. i soob. VNIESKH no. 15 3-15 '63.

STOCK AND STOCKBREEDING—EQUIPMENT AND SUPPLIES

Over-all mechanization of work in animal husbandry. V. F. Zaushitsyn. Trakt. i sel'khozmash. 33 no. 3 20-23 Mr '63.

STOCK AND STOCKBREEDING—FINANCE see subdivision under Uzbekistan

STOCK AND STOCKBREEDING—HYGIENIC ASPECTS

Antibiotics in stockbreeding. O. A. Gavrilova. Veterinariia 37 no. 2 64-66 F '60.

Ultraviolet irradiation of animals and poultry under conditions of production. A. N. Mel'nikov, I. I. Rybchenkov, Z. V. Chernlak. Veterinariia 37 no. 2 67-68 F '60.

STOCK AND STOCKBREEDING—LABOR PRODUCTIVITY

Farm mechanization as the main potential for increasing labor productivity in stockbreeding. M. I. Goriachkin. Dokl. i soob. VNIESKH no. 15 91-99 '64.

STOCK AND STOCKBREEDING—RESEARCH

What the All-Union Scientific Research Institute of Animal Husbandry is working on. A. Vsinkikh. Trudy VIZH 24,3-9 '62.

STOCK AND STOCKBREEDING—STATISTICS

The collective and state farms leading in meat production. V. P. Solov'eva, N. K. Mel'nova. Dokl. i soob. VNIESKH no. 15 140-152 '63.

STOCKHOLM—GUILDS

Some characteristics of the development of Stockholm guilds in the late 14th and the 15th century [with summary in French]. A. A. Svanidze. Sred. veka no 24. 116-136 '63.

STOCK JUDGING

Index of a breeding bull and the error of its representativeness. N. A. Plokhinskii. Prim. mat. metod. v biol no. 2:230-233 '63.

STOMACH

Effect of parsley juice and decoction on the secretory and motor functions of the stomach and the biliary secretion [with summary in English]. Kh. Braiiski, V. Gruncharov, Z. Mladenova. Vop. pit. 22 no. 1 13-17 Ja-F '63.

STOMACH—CANCER

Content of ascorbic acid and its components in gastric juice and plasma in case of peptic ulcers and stomach cancer [with summary in English]. I. T. Abasov, S. B. Tagi-Zade. Vop. pit. 22 no. 1:72-74 Ja-F '63.

STOMACH—FOREIGN BODIES

Case of numerous foreign bodies in the stomach; abstract. G. I. Volkov. Kaz. med. zhur. no. 1:110 Ja-F '61.

STOMACH—SECRETION

Effect of sugar beets and sarcoin on the secretory function of the abomasum and the motor activity of the rumen in cattle. E. T. Popov, A. S. Orlova, N. S. Sadikova. Sbor. stud. rab. MTIMMP no. 7 67-69 '62.

STOMACH—SURGERY

Retrograde invagination of the small intestine into the stomach. M. I. Izrailev. Kaz. med. zhur. no. 1:26-28 Ja-F '61.

STONE

Machines for clearing fields of stones. V. G. Peskov, Iu. A. Kuznetsov, Z. G. Barinova. Trakt. i sel'khozmash. 33 no. 8:30-32 Ag '63.

STONE, CAST

Donchenko, A. S. [Cast stones in industry] Kamennoe lit'e v promyshlennosti. Alma-Ata, Kazgosizdat, 1962. 24 p.

STONE AGE see subdivision under Asia, Central; Crimea

STONE IMPLEMENTS see subdivision under Bila (Prut Valley); Fedyayevo (Angara Valley); Neklinovskiy District

STONECUTTING—EQUIPMENT AND SUPPLIES

Hard powdered-metal alloys for stonecutting tools. M. G. Lelkin. Standartizatsiia 27 no. 10:29-30 O '63.

STOPING (MINING)

Dimensions across the pitch of mining areas and panels in over-all mechanization of stoping operations in flat inclines. V. M. Zykov. Ugol' 38 no. 9:15-18 S '63.

Improving the technology of stoping operations in chamber systems of mining. A. D. Zagorodnyi, I. A. Oleinichenko. Met. i gornorud. prom. no. 4:41-44 Jl-Ag '63.

STORAGE BATTERIES

Manufacture of plastic cover-inserts for lining storage battery containers. Elek. sta. 34 no. 8:90-91 Ag '63.

Prevention of leakage from ceramic storage battery containers. Elek. sta. 34 no. 8 90 Ag '63.

Welding of connectors using a melting technique. N. G. Simakov. Avtom., telem. i sviaz' 7 no. 10 33 O '63.

STORE FIXTURES

"Snowflake," a counter and snow case. P. Gorbachev. Sov. torg. 36 no. 8:51-52 Ag '63.

STORES, RETAIL see subdivision under Kilingi-Nõmme

STRAIGHTENING MACHINES

Sheet straightening machines of the KhRM1600/3, 15 and KhRM2000/6 3 type. IAn 'Sctigampl'. Kuz.-shtam. proizv. 5 no. 10:13-16 O '63

STRAIN GAUGES

Providing strain-measuring equipment for the national economy. V. E. Sekhin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 11 75-76 '63.

STRAINS AND STRESSES

Binger, I. A. [Residual stresses] Ostatochnye napriazheniia. Moskva, Mashgiz, 1963. 231 p.

Calculating the stability of flat roof chambers. TS. Gomes, K. V. Ruppeneit. Trudy VNIIST no. 12;122-201 '62.

Calculating the stress-deformation state in drawing considering the effect of anisotropy. N. P. Kolesnikov. Kuz.-shtam. proizv. 5 no. 9.15-19 S '63.

Considering the life of elements in structural calculations. N. S. Strelets-kii. Prom. stroi. 41 no. 9.13-17 S '63.

Crack in equilibrium in a strip of finite width. I. A. Markuzon. PMTF no. 5 69-76 S-O '63.

Cracks propagating between two plane plates along a straight line of cementation. R. V. Gol'dshtein, R. L. Salganik. PMTF no. 5;62-68 S-O '63

Determining of stresses in the frog. G. V. Zotkin. Trudy kHIIT no. 57 51-57 '62.

Determining the time necessary for metal failure under the effect of varying stresses and temperatures. V. I. Nikitin. Izv. AN SSSR. Met. i gor. delo no. 5 116-120 S-O '63.

Dynamic strength of the bar framework of locomotives. IA. N. Garkavi. Trudy DIIT no. 24 18-31 '54.

Effect of bolt holes on the stresses in the bar framework of locomotives. IA. N. Garkavi. Trudy DIIT *no. 24,32-36* '54.

Effect of temperature on the criteria of stress relaxation in metals. I. A. Oding, F. I. Aleshkin. Izv. AN SSSR. Met. i gor. delo no. 5;98-112 S-O '63.

Estimating the stability of leaching chambers in deposits of rock salt. M. A. Dolgikh, V. V. Matvienko, N. S. Khachaturian. Trudy VNIIST no. 12, 74-111 '62.

Estimating the stability of leaching chambers of rectangular cross section. L. N. Kisler, V. V. Matvienko, M. A. Dolgikh. Trudy VNIIST no. 12 112-121 '62.

Estimating the stability of structural elements to be used in underground construction. K. V. Ruppeneit, V. V. Matvienko. Trudy VNIIST no. 12;3-73 '62.

Experimental study of the dynamic field of stresses due to a contact explosion in a soft soil. V. D. Alekseenko. PMTF no. 5,99-106 S-O '63.

IAkovlev, V. F. [Measurement of strains and stresses in machine parts] Izmerenila deformatsii i napriazhenii detalei mashin. Izd. 2., ispr. i perer. Moskva, Mashgiz, 1963. 191 p.

Investigating applied stresses during rolling on rail and structural steel mills. V. A. Nikolaev and others. Stal' 23 no. 10;924-925 O '63.

Investigating the state of stress of some sandwich structures. V. I. Naumov. Trudy TSNII M[illegible] 142 '63.

Investigating the state of stress of the batten and shuttle protection mechanism on the frogs of the loom. I. Izv. vys. ucheb. zav.; tekh. tekst. prom.

Level of initial stresses in high-strength wire. V. I. Kokhno. Stal' 23 no. 1

Macroscopic theory of brittle failure. K. M. Rusynko. Dop. AN URSR no.

Microstresses in cold-drawn steel wire. A. A. Nadezhdina. Izv. vys. uch. 6 no. 8;151-154 '63.

New method for determining the resistance shear. M. P. Volarovich, L. S. Tomashevskaia. Inst. fiz. Zem. no. 23;43-49 '62.

On the possibility of considering the stressed state of a medium as the limit Bondar'. Prikl. mat. i mekh. 27 no. '63.

Reducing residual stresses in aluminum alloys. N. A. Loktionova and others. Metalloved. met. no. 11;46-47 N '63.

Relaxation of stresses in a thin-walled cylinder. Mesnikov. PMTF no. 5;159-160 S

Residual stresses in automobile springs. Nakhimov, D. I. Bron, V. G. Fertikov. Metalloved. term. obr. met. no. 11;49-51 N '63.

Rigidity of prestressed cellular concrete tile roofing under lasting stress. IA. G. Sungatullin, V. I. Ponomarova. Prom. stroi. 41 no. 9 31-33 S '64.

Stability of tight joints subjected to cyclic loading. M. M. Kobrin. Vest. mashinostr. 43 no. 10 39-40 O '63.

Stress concentration along a set of rivet holes parallel to the front edge. T. Sh. Chelnis. Izv. vys. ucheb. zav. mashinostr. no. 7 51-55 '63.

Stressed states of an elastic plate during the propagation of sinusoidal bending waves [with summary in English]. A. Mânul, U. Nigul. Izv. AN Est. SSR Ser. fiz.-mat. i tekh. nauk 12 no. 3 273-283 '63

Technological and working stresses in the frame of the FD locomotive. V. A. Lazarian, E. Z. Voskoboinik, IA. N. Garkavi. Trudy DIIT no. 24 5-17 '54.

Theory of straight-line discontinuity of stresses for a real laminar flow of a rigid-plastic body. O. D. Grigor'ev. PMTF no. 5 158-159 S-O '63

Torsion of prismatic rods from ideally plastic material taking microstress into account. I. A. Berezhnoi, D. D. Ivlev. PMTF no. 5,151-157 S-O '63.

X-ray investigations of rock samples at high pressures and temperatures. M. P. Volarovich, A. T. Bondarenko, K. F. Gusev. Trudy Inst. fiz. Zem. no. 23 55-59 '62.

STRAINS AND STRESSES—ELECTROMECHANICAL ANALOGIES

Calculation of a spherical shell by analog computers with the aid of the electronic device "Iteratsi." G. I. Grezdov, IU. P. Kosmach. Mat. mod. i elek. tsepi no. 1 64-72 '63.

STRANGLES

Clinical and hematologic indicators of strangles in horses. L. V. Ovtsyn. Trudy Ul'ian. sel'khoz. inst. 8 no. 2;177-183 '61.

STRANGLES—PREVENTIVE INOCULATION

Investigation of a vaccine against strangles. N. M. Strelkov, P. K. Polishchuk. Trudy Mosk. vet. akad. 12;54-61 '56.

STRASHENY—MUNICIPAL SERVICES

Village or city? G. A. Vlasenko. Zhil.-kom. khoz. 11 no. 12;4-5 D '61.

STRAW AS FEED

Reducing expenditures for corn ensilage and the preparation of straw for feeding. L. P. Nikol'skaia. Dokl. i soob. VNIESKH no. 15;76-79 '63.

STRAWBERRIES see subdivision under Ukraine

STREAM CROSSING, MILITARY

Construction of a combination bridge (solution to special tactical problem published in No. 7, 1961). Voen. vest. 41 no. 11;99-100 N '61.

STREET RAILWAYS—ELECTRIC EQUIPMENT

Prolygin, A. P. [Electrical apparatus of electrified city transportation] Elektricheskie apparaty gorodskogo elektrifitsirovannogo transporta. Moskva, Gosenergoizdat, 1963. 175 p.

STREETCARS see subdivision under Moscow

STRELETSKOYE STEPPE PRESERVE—GRASSES

Methods for determining the absolute yield of the aerial part of grasses in the meadow steppe. V. N. Golubev. Bot. zhur. 48 no. 9;1338-1345 S '63.

STRENGTH OF MATERIALS

Calculation of beams on an elastic foundation by the method of finite differences. V. I. Solomin. Trudy Ural. politekh. inst. no. 102 157-169 '61

STREPTOCOCCUS (Continued)

Utilization of nitrates of hydroxylamine-reactive strains of Streptococcus in histochemical practice. L. P. Bel'kina, G. Kh. Ivan'kina [Chan, Wen-yu]. Arkh. pat. 25 no.5 62-64 '63.

STREPTOMYCIN

Treatment of tuberculous eye diseases with streptomycin and phthivazide in combination with tissue therapy. T. P. Pillinger. Uch. zap. UFIoB 5 185-189 '62.

STRIKES AND LOCKOUTS see subdivision under Argentina, Finland, France, Georgetown, British Guiana; United States

STRIKES AND LOCKOUTS—MINERS see subdivision under Asturias region, Spain

STRIP MINING
(see also subdivision under Krivoy Rog Basin, Soviet Far East, Tula Province, Ukraine)

Logs of open pits as a method for studying the geology of deposits. S. A. Dorlo, V. IU. Dedy. Uzb. geol. zhur. 7 no. 5 83-84 '63.

Study of the stability of bank slopes under external loads. Chzhu Zhui-gen [Chu Jui-keng]. Nauch. soob. IGD 16 105-113 '63.

Use of electronic computers to calculate volumes of strip mining operations. V. V. Rzhevskii, S. D. Korobov. Gor. zhur. no. 10:3-6 O '63.

Using an electronic computer to study conditions in strip mining operations. I. B. Tabakman. Gor. zhur. no. 10:10-12 O '63.

Using the coefficient of side thrust to determine the stability of the slope of a pit side. S. U. Ubakeev. Izv. AN Kir. SSR Ser. est. i tekh. nauk 5 no. 1 47-50 '63.

STRIP MINING—EQUIPMENT AND SUPPLIES

All-Union conference on the mechanization of auxiliary operations in pits. F. A. Guzhevnikov. Gor. zhur. no. 10:73-74 O '63.

Improving mining technology using a transporter system of mining with continuous machine units. B. N. Fartashevskii and others. Izv. VN Kir. SSR Ser. est. i tekh. nauk 5 no. 1 51-61 '63.

STRONTIUM
(see also subdivision under Mangyshlak Peninsula)

Coextraction of calcium and strontium with hydroxyquinolinates of certain elements. N. V. Shakhova, I. P. Alimarin, IU. A. Zolotov. Dokl. AN SSSR 152 no. 4:884-887 O '63.

STRONTIUM—ANALYSIS

Rapid method of determining the strontium-90 content in milk [with summary in English]. M. M. Golutvina, T. A. Kazakova, IU. M. Nikolaev. Vop. pit. 22 no. 1 66-69 Ja-F '63.

STRONTIUM ISOTOPES see subdivision under Pacific Ocean

STRUCTURAL ALUMINUM see Aluminum, Structural

STRUCTURAL FRAMES

Calculation of frames by the method of distributing fixed-end moments. G. M. Kirillov. Trudy Ural. politekh. inst. no. 102 77-82 '61.

Calculation of frames with steplike supports for stability beyond the elastic limit. L. G. Lopatyshkin. Trudy Ural. politekh. inst. no. 102 21-27 '61.

Method of group distribution of unbalanced moments in the calculation of frames. I. V. Egorov. Trudy Ural. politekh. inst. no. 102 83-93 '61.

STRUCTURAL FRAMES—ELECTROMECHANICAL ANALOGIES

Method for solving certain frame systems using the EMSS-7 electric model. A. N. Zhivov. Mat. mod. i elek. tsepi no. 1 87-91 '63.

Use of the method of determining unknowns in modeling the one-dimensional free frames with reciprocally perpendicular rods. V. V. Vasil'ev. Mat. mod. i elek. tsepi no. 1:78-86 '63.

STRUCTURAL FRAMES—WELDING

Conference in the Ukrainian Steel Structure Design Institute. Avtom. svar. 16 no. 5:96 My '63.

STRUCTURAL STEEL see Steel, Structural

STRUCTURES, THEORY OF

Designs for a sloping cylindrical shell on an elastic foundation. A. M. Kakushadze, G. G. Mskhiladze. Soob. AN Gruz. SSR 30 no. 5 617-623 My '63.

STRYCHNINE—PHYSIOLOGICAL EFFECT

Morphological changes in the animal brain following local introduction of strychnine [with summary in English]. M. M. Aleksandrovskaia. Zhur. vys. nerv. deiat. 13 no. 5 939-945 S-O '63.

STUDENT ACTIVITIES

Autumn strews gold...; a school party. I. Goncharov. Shkola-int. no. 5 45-48 S-O '63.

Creative work as a training for socially useful activities. E. M. Platonova. Rad. shk. 42 no. 10:24-29 O '63.

[Eureka! Higher school for all] Evrika! Vysshaia shkola dlia vsekh [n. p.] 1962 16 p.
[MICROFILM]

Good initiative and useful deeds. Nar. obr. no. 10:27-28 O '63.

How do you conduct breaks between classes? V. Sheiapov. Shkola-int. no. 5 63 S-O '63.

Oral magazine "Shkol'naia gazeta." G. Samodelova. Nar. obr. no. 10 74-76 O '63.

Students' leisure hours. E. Il'chenko. Shkola-int. no. 5 18 S-O '63.

Training in the communist attitude toward work. A. Markov. Shkola-int. no. 5 37-38 S-O '63.

Twenty-four-hour energy expenditure of boarding school students in the performance of useful public service at Pioneer and Communist Youth League Camps [with summary in English]. V. V. Maksimov. Vop. pit. 22 no. 1 38-43 Ja-F '63.

With Young Friends of Border Patrols. A. Sysoev. Sem'ia i shkola 10 no. 10 15 O '63.

STUDENT EMPLOYMENT

Granting leaves to students attending day institutions of higher learning who alternate their studies with work in production. Explanation No. 16, July 31, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. Biul. Gos. kom. po vop. truda i zar. platy no. 10:21 '62.

Procedure of wage payment for industrial training. I. A. Rakhmanin. Shkola i proizv. 7 no. 10 84-85 O '63.

Students at construction work in virgin lands. I. K. Komarov. Vest. vys. shkoly 21 no. 10:53-56 O '63.

STUDENT TEACHING

Students and children. S. Kiylov. Nar. obr. no. 10:35-39 O '63.

STUDENTS see subdivision under Tomsk

STUDENTS, AMERICAN see subdivision under Moscow

STUDENTS, FOREIGN
(see also subdivision under Kiev)

Abbas and his friends. IU. Kotler. Sov. Soiuz no. 9:10-51 '63.

STUPINO—TRANSPORTATION, AUTOMOTIVE

Results of competition are summed up daily. V. Bordin. Avt. transp. 41 no. 8:8-10 Ag '63.

STYLE, LITERARY

Literary conventionality and time; about contemporary style. IU. Mann. Nov. mir 39 no. 1 218-235 Ja '63.

STYRENE

Studying the reaction of the copolymerization of styrene with linolic acid. V. V. Shneiderova. Lakokras. mat. i ikh prim. no. 4 33-34 '62.

STYRENE—SPECTRA

Infrared spectral method for determining α-methylstyrene, dimethylphenylcarbinol and isopropylbenzene. V. A. Terent'ev, M. A. Shaburov, A. N. Ivanova. Neftekhimiia 1 no. 4:567-572 Jl-Ag '61.

STYRENE POLYMERS

Kinetics of styrene dimerization in aqueous sulfuric acid. Part 2: Kinetic regularities and the mechanism of styrene dimerization. K. S. Kazanskii, G. A. Kogan, S. G. Entelis. Kin. i kat. 4 no. 4:589-594 Jl-Ag '63.

SUBMARINE BOATS

Conquering the ocean depths. IU. Drobyshev. Tekh. mol. 31 no. 8:25 '63.

Dynasty of submarines. Voen. znan. 39 no. 10:5 O '63.

SUBMARINE GEOLOGY see subdivision under Indian Ocean; Peter I Island region, Antarctica

SUBMARINE TOPOGRAPHY see subdivision under East China Sea; Pacific Ocean

SUBMARINE WARFARE

Preparing calculations for submarine chasers and submarine boats in tactical training centers on shore. V. F. Maiorov. Mor. sbor. 46 no. 7:59 Jl '63.

SUBSIDENCES (EARTH MOVEMENTS)
(see also subdivision under Karaganda Basin)

Study of the process of the displacement of ores and rocks in blasting under conditions of complex deposits. E. G. Baranov, I. A. Tangaev, N. A. IAkovleva. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 1:7-23 '63.

SUBSTITUTION (CHEMISTRY)

Aromatic nucleophilic substitution. Part 2: Pentachlorophenol, pentachlorothiophenol, and their methyl ethers. L. S. Kobrina, G. G. IAkobson. Zhur. ob. khim. 33 no. 10:3309-3312 O '63.

Influence of the polar effect of substituents on the oxidation inhibiting activity of sterically hindered phenols. G. N. Bogdanov, A. A. Boldin. Neftekhimiia 3 no. 4: 594-597 Jl-Ag '63.

Nucleophilic substitution in the aromatic series. Part 4: Kinetics and mechanism of the reaction of 1, 2, 4, 5-tetrachlorobenzene with sodium ethylate in absolute alcohol. S. M. Shein, V. A. Ignatov. Zhur. ob. khim. 33 no. 8 2615-2620 Ag '63.

Nucleophilic substitution in the aromatic series. Part 5: Kinetics and mechanism of the reaction of 1, 2, 4, 5-tetrachlorobenzene with sodium alcoholates in the corresponding alcohol medium. S. M. Shein, V. A. Ignatov. Zhur. ob. khim. 33 no. 8 2667-2671 Ag '63.

Nucleophilic substitution in the aromatic series. Part 6: Kinetics of the reaction of 1, 2, 4, 5-tetrachlorobenzene with sodium alcoholates in mixed water-alcohol media. S. M. Shein, V. A. Ignatov. Zhur. ob. khim. 33 no. 8 2668-2672 Ag '63.

Reactions of nucleophilic reagents with vinylphosphonic and acetoxyvinylphosphinic acid esters. A. N. Pudovik, R. G. Kukovieva. Zhur. ob. khim. 33 no. 8 2673-2677 Ag '63.

Regularities in the change of acidity and basicity in the homologous series of α, ω-bifunctional compounds. Part 4: Dependence of the acidity of polar substituted aliphatic n-carboxylic acids on the dielectric constant of the solvent. I. A. Mal. Zhur. ob. khim. 33 no. 10:3126-3132 O '63.

SUBWAYS see subdivision under Kiev

SUBWAYS—DESIGN AND CONSTRUCTION see subdivision under Leningrad

SUCCINIC ACID

Synthesis of N-methyl-α-pyrrolidone from succinic acid. V. I. Romanovskii, A. I. Sokolova, N. I. Fattakhova. Khim. prom. no. 7:491-492 Jl '63.

SUCCINIMIDE

1-Azabicycles. Part 1: Hydroxymethylation of some derivatives of the 1,2-dihydropyrrole series. A. A. Formanovskii, I. M. Skvortsov, A. A. Khotkin. Zhur. ob. khim. 33 no. 8 2687-2690 Ag '63.

SUDOMA UPLAND—GEOLOGY

[Sudoma upland; geological and geomorphological outline] Sudomskaia vozvyshennost'; geologo-geomorfologicheskii ocherk. [By] S. S. Shul'ts i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 118 p.
[5 fold. diagrs.]

SUGAR
Biochemical method for determining fermentable sugars in molasses. R. I. Gol'dfarb, P. I. Dmitrievskii, V. G. Koval'. Trudy UkrNIISP no. 5:161-171 '63.

SUGAR—BIBLIOGRAPHY see Bibliography—Sugar

SUGAR—INVERSION

Determining of invert sugar in molasses. R. I. Gol'dfarb, V. G. Koval'. Trudy UkrNIISP no. 5:151-159 '63.

SUGAR BEETS
(see also subdivision under Cheremoshny; Ukraine)

Agroclimatic indices of the growth of sugar beets. I. Kel'chevskaia. Meteor. i gidrol. no. 11:28-31 '63.

Complete utilization of sugar beets in an interesting yet complicated problem. M. P. Demianenko. Sakh. prom. 36 no. 9:10-10 S '62.

Efficiency of the complete utilization of sugar beets for sugar and feed production and its effect on the general economy. V. N. Sokolov. Sakh. prom. 36 no. 9:11-18 S '63.

Machines for growing and harvesting sugar beets. F. I. Tekhov. Tekh. v sel'khoz. 23 no. 6:11-11 Je '63.

Machines have come to the beet fields. A. Kiselev. Zemledelie 25 no. 10:57 O '63.

Phosphatase activity in the soils of sugar beet areas. I. A. Geller, K. M. Dobrotvorskaia. Trudy Inst. pochvoved. i biol. no. 11:215-221 '61.

Sugar beets for the production of sugar and feeds. I. P. Sudachek, S. A. Savchenko. Sakh. prom. 36 no. 8:18-21 S '62.

Vsesoiuznyi nauchno-issledovatel'skii institut sakharnoi svekly. [Sugar beets] Sakharnaia svekla. Moskva, Sel'khozizdat, 1963. 487 p.
(DNAI.)

SUGAR BEETS—CLEANING

Practices in the use of the KGP-2 potato harvesting combine for sorting sugar beets. A. T. Kerol'nikov, L. S. Loktev. Trakt. i sel'khozmash. 33 no. 7:27-29 Jl '63.

SUGAR BEETS—COOLING

Experimental investigation of the rate of cooling of sugar beet roots. V. Z. Zhadan, M. Z. Kheifetsmikh. Sakh. prom. 37 no. 11:21-24 N '63.

SUGAR BEETS—FERTILIZERS AND MANURES see subdivision under Buryat A.S.S.R.; Ukraine; Volyn' Province

SUGAR BEETS—HARVESTING

Harvesting sugar beets for forage by stages. M. I. Pisetskin. Trakt. i sel'khozmash. 33 no. 7:19-22 Jl '63.

Remodeling the SKEM-3 for harvesting roots of seed plants. F. T. Padalko. Zemledelie 25 no. 10:76-77 O '63.

SUGAR BEETS—STORAGE

Experience in the mechanization of the removal of the soil cover from sugar beet piles. F. A. Solianik. Sakh prom. 36 no. 9:38-39 S '62.

Experience in the use of trench cutters for the opening and removal of the soil cover of sugar beet piles. S. L. Fridman. Sakh. prom. 36 no. 9:36-37 S '62.

SUGAR BEETS—TRANSPORTATION

Efficient methods for the control of the hydraulic conveying of sugar beets to sugar factories. M. I. Kulik, A. A. Rokitskii. Sakh. prom. 37 no. 11:31-35 N '63.

SUGAR BEETS AS FEED
(see also subdivision under Bryansk region)

Moscow. Vystavka dostizhenii narodnogo khoziaistva SSSR, 1962. [Sugar beets as feed for cattle] Sakharnaia svekla na korm skotu, tematicheskii sbornik. Moskva, [Sel'khozizdat,] 1962. 114 p. (DNAL)

SUGAR FACTORIES—EQUIPMENT AND SUPPLIES

Organization and work of the section of the control and measurement equipment and of automation in sugar factories. M. K. Metura, A. L. Antonovich. Sakh. prom. 37 no. 11:39-42 N '63.

SUGAR INDUSTRY
(see also subdivision under Belgium; Skidel)

Efficiency of the complete utilization of sugar beets for sugar and feed production and its effect on the national economy. V. N. Sokolov. Sakh. prom. 36 no. 9:13-16 S '62.

From pages of scientific and technical journals. Sakh. prom. 36 no. 9:63-65 S '62.

From the editor's mail. Sakh. prom. 36 no. 9:68-70 S '62.

General problems. Sakh. prom. 37 no. 11:74-75 N '63.

Improve the technical and economic indices of the work of sugar factories. Sakh. prom. 36 no. 9:1-6 S '62.

Improving the qualitative indices of production. N. N. Tregubova. Sakh. prom. 36 no. 9:23-26 S '62.

In the sugar industry section of the Central Administration of the Scientific and Technical Society. A. I. Shapiro. Sakh. prom. 36 no. 9:74 S '62.

Increase sugar output! Sakh. prom 37 no. 11:1-4 N '63

Kuts, V. I., and G. K. Leonova. [Analysis of the economic activity of enterprises in the sugar industry] Analiz khoziaistvennoi deiatel'nosti predpriiatii sakharnoi promyshlennosti. Moskva, Pishchepromizdat, 1962 177 p. (Ekonomika i organizatsiia pishchevoi promyshlennosti) (MIF)

Use of hydrocyclones for the clarification of flume waters. P. I. Silin. Sakh. prom. 36 no. 9:33-35 S '62.

SUGAR INDUSTRY—BIBLIOGRAPHY see Bibliography—Sugar industry

SUGAR INDUSTRY—COSTS

Cost of production of refined molded sugar and ways to reduce it. P. K. Popov. Sakh. prom. 36 no. 9:43-45 S '62.

SUGAR INDUSTRY—EQUIPMENT AND SUPPLIES
(see also subdivision under Ukraine)

Optimum distribution of the heating surface in a multiple-effect evaporator set. Sakh. prom. 37 no. 11:73-74 N '63.

Use of mechanized settlers in sugar factories. V. R. Ostromenskii, R. B. Rovner. Sakh. prom. 36 no. 9: 35 S '62.

SUGAR INDUSTRY—LABOR PRODUCTIVITY

Seminar on the "Ways to increase labor productivity in the sugar industry." A. V. Budnyi. Sakh. prom. 37 no. 11:43-49 N '63

SUGAR INDUSTRY—MANAGEMENT

Input of manual labor in sugar factories and the determining of the degree of mechanization. Sakh. prom. 37 no. 11:51-53 N '63.

SUGAR INDUSTRY—PERIODICALS

Meeting our readers. Sakh. prom. 36 no. 9:74-75 S '62.

SUGAR INDUSTRY—TECHNOLOGICAL INNOVATIONS

Contribution of the efficiency promoters of our factory. V. I. Machula, V. E. Korobko. Sakh. prom. 36 no. 9: 48-49 S '62.

SUGAR MACHINERY

Experience in the mechanization of the removal of the soil cover from sugar beet piles. F. A. Solianik. Sakh. prom. 36 no. 9:38-39 S '62.

Experience in the use of trench cutters for the opening and removal of the soil cover of sugar beet piles. S. E. Fridman. Sakh. prom. 36 no. 9:36-37 S '62.

Investigating the wear of metals in massecuite media. N. A. Sologub. Sakh. prom. 37 no. 11:29-30 N '63.

Pulp pressing. Sakh. prom. 37 no. 11:75-76 N '63.

Temperature conditions of the evaporation plant in beet-sugar factories. S. I. Libov. Sakh. prom. 36 no. 9 41-43 S '62.

SUGAR MACHINERY—MAINTENANCE AND REPAIR
(see also subdivision under Chernovtsy)

Experience in the maintenance and repair of equipment in the factories of the Cherkassy Sugar Trust. A. P. Parkhod'ko Sakh. prom 37 no 11,14-17 N '63.

Machinery spare part supply bases for the sugar industry. V. A. Sollatitskii Sakh. prom. 37 no. 11:13 N '63

SUGAR MANUFACTURE
(see also subdivision under Czechoslovakia; Odessa; Shepetovka, Khmel'nitskiy Province)

Accelerate the rate of mechanization in sugar refineries. V. A. Cherednik, N. G. Popov Sakh. prom 37 no 11: 10-12 N '63.

Equation for calculating the time of crystallization in a vacuum apparatus I. S. Skripko, V. D. Popov. Sakh. prom. 37 no. 11,24-26 N '63.

Look up for shelved methods A. S. Gal'perin Sakh. prom 37 no 11 5-7 N '63.

Problems of equipment and technology in sugar refineries. M. B. Lalmolinskii. Sakh. prom. 37 no 11,8-10 N '63.

Production control and accounting. G. S. Benin Sakh. prom. 37 no. 11:76-77 N '63

Rate of crystallization of sucrose from a mixture of sugar beet syrup and the unrefined cane sugar solution. I. F. Zelikman, N. L. Troianova. Sakh. prom. 36 no. 9: 21-23 S '63.

Temperature conditions of the evaporation plant in beet-sugar factories. S. I. Libov. Sakh. prom. 36 no. 9 41-43 S '62.

SUGGESTION SYSTEMS
(see also subdivision under White Russia)

Search for potentials in the working area. R. Atapina, A. Uglianets. Sov profsoiuzy 19 no. 19 6-8 O '63.

SUITE (MUSIC)

Popova, T. V. [Suite] Siuita. Moskva, Muzgiz, 1963. 71 p. (Muzykal'nye formy i zhanry)

SUKACHEV, VLADIMIR NIKOLAEVICH, 1880-

Role of Academician V. N. Sukachev in the development of the study of forests. N. V. Dylis. Soob Lab lesoved. AN SSSR no. 6:5-12 '62.

SUKHUM—DAPHNIPHYLLUM—DISEASES AND PESTS

Study of the fungus diseases of Daphniphyllum macropodum Mig. in Sukhum. K. T. Dzhalagonia. Trudy Sukh. bot. sada no. 14,59-66 '62.

SUKHUM—IRIS (PLANT)

Some little-known flowering plants of the family Iridaceae. T. A. Chochua. Trudy Sukh. bot. sada no. 11 113-111 '62.

SUKHUM REGION—LAC INSECTS—HOST PLANTS

Chemical composition of bark juice of the host plants of lac insects. V. P. Bogdanova. Izv AN SSSR, Ser. biol. 28 no. 4:605-612 Jl-Ag '63.

SUKHUM REGION—YUCCA

Characteristics of the growth of yuccas and their phenologic cycle. K. IU. Odishaliia. Trudy Sukh. bot. sada no. 14,27-36 '62.

SULFANILAMIDES

Qualitative reactions to some sulfanilamide preparations. L. N. Poroikova. Sbor. nauch. trud. TSANII 3:120-124 '62.

SULFATION

Sulfation of titanium materials in a fluidized bed. A. G. Pus'ko, V. D. Ponomarev, G. I. Titova. Zhur. prikl. khim. 36 no. 8:1665-1669 Ag '63

SULFIDES
(see also subdivision under Azerbaijan region)

Effect of the oxidation potential and th solutions on the formation of sulfide under hydrothermal conditions. A. Geol. rud. mestorozh. 5 no. 5:3-17

New data on the geochemistry of acce cassiterite-sulfide ores. V. V. Ivan no. 7:26-49 '61.

Obtaining sulfides and sulfoxides by chloride on mixed organomagnesiu Volynskii, G. D. Gal'pern, V. V. Sm khimiia 1 no. 4:473-481 Jl-Ag '

Redeposition of impregnated sulfides forming sulfide cuprous nickel depo Dokl. AN SSSR 152 no. 2:396-399 S

Synthesis and transformations of sub Part 14: Synthesis of α-tert-butyly and some of their properties. E. P. Laba, M. F. Shostakovskii. Zhur. o 2501-2509 Ag '63.

SULFIDES—ANALYSIS

Content of sulfides in granulated blas P. P. Bodnikov, M. I. Strelkov, F. E. SSSR. Met. i gor. delo no. 5:80-83 S

Determining sulfur ether in solid fuel by the methyl iodide method. E. N. Prilezhaeva and others. Trudy IGI 21 202-210 '63.

Investigation of sulfides from the kerosene of the Romashkino oil field. E. N. Karaulova, B. A. Smirnov, G. D. Gal'pern. Neftekhimiia 1 no. 3 339-349 My-Je '61.

SULFIDES—METALLURGY

Action of sodium sulfate in the process of selective flotation of sulfides. L. A. Glazunov. Izv. AN Uz. SSR Ser tekh. nauk 7 no. 4:65-70 '63.

SULFONAMIDES

Changes in the proteins, lipoproteids and glucoproteids of blood serum, and the adrenocortical function in the sulfanilamide treatment of diabetes, abstract. M. B. Sheikman Kaz. med. zhur no. 1:109 Ja-F '61.

SULFONATION

Derivatives of anthraquinone. Part 2: Mercuration and catalytic sulfonation of anthraquinone. N. S. Dokunikhin, L. A. Gaeva. Zhur. ob khim 33 no. 8 2737-2734 Ag '63

Sulfonation of naphthalene with sulfuric acid in the presence of alkali metal sulfates. B. V. Passet, M. E. Galanov. Zhur. prikl. khim. 36 no. 8 1793-1799 Ag '63.

SULFONES

Chemistry of divinylacetylene and its halo derivatives. Part 14 Isomerization of trans-2, 3, 4, 5-tetrachloro-1, 3, 5-hexatriene to a cis-modification with subsequent dimerization, diene synthesis, and sulfone formation. A. N. Akopian, V. S. Aslamazian, I. M. Rostomian. Zhur. ob. khim. 33 no. 10 3143-3144 O '63.

SULFONIC ACIDS

N-dichlorophosphinylalkaniminosulfonic acid chlorides. E. S. Levchenko, I. E. Sheinkman, A. V. Kirsanov. Zhur. ob. khim. 33 no. 10 3315-3323 O '63.

SULFOXIDES

Obtaining sulfides and sulfoxides by the action of thionyl chloride on mixed organomagnesium compounds. N. P. Volynskii, G. D. Gal'pern, V. V. Smolianinov. Neftekhimiia 1 no. 4:473-481 Jl-Ag '61.

Separation of sulfoxides from oxidized sulfur-containing aromatic concentrates. E. N. Karaulova, G. D. Gal'pern Neftekhimiia 1 no. 3:335-338 My-Je '61.

SULFUR
(see also subdivision under Australia)

Biogeochemistry of sulfur [with summary in English]. S. I. Kuznetsov. Izv. AN SSSR. Ser. biol. 28 no. 5:668-680 S-O '63.

Separation of sulfur compounds from aromatic hydrocarbons by means of adsorption. N. I. Chernozhukov, K. A. Shchegrova Izv. vys. ucheb. zav., neft' i gaz 5 no. 1:51-56 '62.

SULFUR—ANALYSIS

Volumetric micromethod of sulfur content determination N. P. Fedorovskaia, A. A. Zakharova Trudy IGI 21 175-178 '63.

SULFUR DIOXIDE

Mass transfer coefficients during absorption of sulfur dioxide from gases by solutions of magnesium sulfite-magnesium bisulfite. B. A. Chertkov. Khim. prom. no. 7:537-541 Jl '63.

SULFUR DIOXIDE—PHYSIOLOGICAL EFFECT

Experimental data on the combined effect of CO and SO_2 on the body. IU. D. Prokhorov. Uch. zap. Mosk nauch.-issl. inst. san. i gig. no. 9:77-81 '61.

SULFUR IN THE BODY

[illegible] in sea-tea and sugars

SULFURIC ACID

Melting diagram of the system Cl_2O_7 - SO_3 - H_2O in the region of high concentrations of perchloric and sulfuric acids. N. V. Shchitkova, V. V. Zinov'ev, V. I. Mikheeva. Dokl. AN SSSR 152 no. 2:346-348 S '63

SULYUKTA—MOTOR VEHICLES—SOCIETIES, ETC.

In a mineral city. T. Zinger. Za rul. 21 no. 8:6 Ag '63

SUMERIANS

Community, the temple, and the palace. V. V. Struve. Vest. drev. i., no. 3:11-34 '63.

SUMY—GLIDING AND SOARING

The 25th anniversary competitions. M. Ratsenskaia. Kryl. rod. 14 no. 10:9-11 O '63.

SUN

Observations during the period of minimum solar activity. Geofiz. biul. no. 10:39-51 '61.

Radio astronomic research on the structure of solar atmosphere. W. N. Christiansen. Mir nauki no. 4:8-14 '62.

SUN—CONGRESSES

Second Assembly (at Rome) on the International Years of the Quiet Sun (IYQS). N. V. Pushkov. Geomag. i aer. 3 no. 4:786-789 Jl-Ag '63

SUN—CORONA

Brightness of sun aureoles near the sun. M. G. Karimov. Trudy Astrofiz. inst. AN Kazakh SSR 3:45-50 '62

Study of aureoles near the sun [with summary in English]. T. F. Toropova. Trudy Astrofiz. inst. AN Kazakh SSR 3:31-44 '62.

SUN—FACULAE

Facula-photosphere contrast in the $\lambda\lambda$ 6700-2100 Å region [with summary in English]. V. D. Kuz'minykh, G. F. Sitnik. Astron. zhur. 40 no. 5:954-958 S-O '63.

SUN—PROMINENCES

Spectrophotometric investigation of four bright prominences [with summary in English]. N. A. Makovkin, M. Yu. Zel'dina. Astron. zhur. 40 no. 5:847-854 S-O '63.

SUNFLOWER SEED

(see also subdivision under Ukraine)

Calculating the yield of roasted kernels of sunflower seeds. B. S. Roitman. Khleb. i kond. prom. 7 no. 10:32-33 O '63.

SUNFLOWERS see subdivision under Caucasus, Northern, Ukraine

SUNFLOWERS—DISEASE AND PEST RESISTANCE

Laboratory method for determining the sunflower resistance to broomrape. V. F. Kukin. Nauch. trudy Vses. sel.-gen. inst. no. 5:160-161 '62

SUNSPOTS

Structure of solar low-latitude active zones. M. S. Eigenson, T. L. Mandrykina. TSir. Astron. obser. L'viv. un. no. 39/40 85-91 '63.

SUPERCONDUCTIVITY

Development of superconducting materials. E. M. Savitskii, V. V. Baron. Izv. AN SSSR. Met. i gor. delo no. 5:3-12 S-O '63.

SUPERCONDUCTORS

Anisotropic superconductor with nonmagnetic impurities [with summary in English]. P. Khokhenberg. Zhur. eksp. i teor. fiz. 45 no. 4:1208-1217 O '63.

SUPERCONDUCTORS—PHOTOELECTRIC PROPERTIES

Photoeffect in a superconductor. V. V. Slezov. Fiz. tver. tela 5 no. 10:2951-2957 O '63.

SUPERMARKETS see subdivision under Moscow

SUPERSONIC AERODYNAMICS see Aerodynamics, Supersonic

SUPERSTITION

The "blessed meakness" thirsts for blood. A. Chistiakov. Nauka i rel. no. 2:31-36 F '62.

Superstition is identical with religion. I. Okunev. Doshk. vosp. 36 no. 10:85-86 O '63.

SUPPURATION

Circulating blood volume during chronic suppurative processes in the lungs. A. V. Spynu. Zdravookhranenie 6 no. 3:27-29 My-Je '63.

SURAM PASS—TUNNELS

End of a legend. A. Butkevich. Znan.-sila 38 no. 5:62 My '63.

SURF RIDING

Sport of gods and heroes. G. Vasil'ev. Tekh. mol. 30 no. 8:16-17 '62.

SURFACE-ACTIVE AGENTS

Coal chemical cresols as raw material for the production of surface-active substances. O. N. TSvetkov and others. Koks i khim. no. 10:40-44 '63.

Kinetics of the amination of fatty acids by monoethanolamine. M. A. Kamyshan, G. M. Pavlov. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:61-64 '63.

Surface-active properties of branched aliphatic acids. N. A. Aleinikov and others. Neftekhimiia 1 no. 3:418-426 My-Je '61.

SURFACE CHEMISTRY

Effect of the surface activity of components dissolved in iron on the consecutiveness of their oxidation. S. I. Popel', V. V. Pavlov. Izv. AN SSSR. Met. i gor. delo no. 5:42-49 S-O '63

SURFACE HARDENING

Surface alloying of white cast-iron castings at the Taganrog Combine Plant. IA. A. Ustiuzhin. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10:27-28 '63.

Thermal phenomena during the burnishing of parts with a rotary ball tool. IU. G. Proskurikov, V. A. Kulikovskikh. Izv. vys. ucheb. zav., mashinostr. no. 7:221-227 '63.

SURFACE TENSION

Surface tension of melts in the system cobalt - tin. V. N. Eremenko, IU. V. Naidich, M. I. Vasiliu. Izv. AN SSSR. Met. i gor. delo no. 5:64-67 S-O '63

Surface tension of Shkhl5 ball-bearing steel and its adhesion to slag. S. I. Popel', A. A. Deribin. Izv. vys. ucheb. zav., chern. met. 6 no. 9:16-19 '63.

SURFACES (TECHNOLOGY)

Curvature of surfaces having a linear contact. N. N. Kiylov. Teor. mash. i mekh. no. 34/35:119-126 '63.

Formulas for calculating the area of actual contact. I. V. Kragel'skii, N. B. Demkin, G. S. Sidorenko. Vest. mashinostr. 43 no. 10:9-13 O '63.

Interrelation between the heat of vaporization and the surface energy of certain metals. V. I. Rykov. Trudy po fiz. poluprov. no. 1:142-145 '62.

SURFACES (TECHNOLOGY)—STANDARDS

Introduction of a standard for surface roughness. A. F. Kornilkov. Standartizatsiia 27 no. 10:37-38 O '63.

SURGERY

"Errors in surgical practice and their prevention" by N. I. Krakovskii and IU. IA. Gritsman. Reviewed by M. IU. Rozengarten. Kaz. med. zhur. no. 1:101-103 Ja-F '61.

Three operations. D. Vladimirov. Sov. Soiuz no. 10:42-43 '63.

SURGERY—CONGRESSES

Second All-Russian Congress of Surgeons. N. P. Medvedev, L. I. Shulutko. Kaz. med. zhur. no. 2:93-97 Mr-Ap '63.

SURGERY, PLASTIC

Some basic procedures in dermatoplasty. G. A. Reinberg. Kaz. med. zhur. no. 1:72-74 Ja-F '61.

Surgical treatment of insufficiency of the conjunctival cavity in anophthalmia. V. P. Get'man. Uch. zap. UEIGB 5:130-146 '62.

SURIKOV, VASILII IVANOVICH, 1848-1916

Surikov, V. V. Surikov. Moskva, Gos. izd-vo izobrazitel'nogo iskusstva, 1963. 13 p. plates.

SURKHAN-DARYA PROVINCE—COMMUNIST EDUCATION

Active helpers of the party organizations. D. Salikhov. Part. zhizn' [Uzb.] 6 no. 2:66-69 F '63

SURVEYING—AUDIO-VISUAL AIDS

Drawing a step scale when surveying by eye. V. V. Birukov. Geog. v shkole 26 no. 5:60-61 S-O '63.

SURVEYING—TABLES, ETC.

Il'in, A. P. [Tables of elevation for use in the topographic levelling of the surveying base] Tablitsy prevyshenii k topograficheskomu nivelirovaniiu s"emochnogo obosnovaniia. Alma-Ata, Kazakhskii sel'khoz. in-t, 1961. 290 p.

SUSEEV, AKSEN', 1906-

Matsakov, I. M. [Aksen Suseev; an account of his life and works] Aksen Suseev; kritiko-biograficheskii ocherk. Elista, Kalmytskoe gos. izd-vo, 1962. 41 p. (MH)

SUSLIKS—EXTERMINATION

(see also subdivision under Kazakhstan)

Effect of the farming system on the dynamics and behavior of the susliks Citellus erythrogenus in regions subjected to wind erosion. A. N. Zaleskii. Trudy Kaz. NIIZR 7:529-572 '62.

SUSPENSIONS (CHEMISTRY)

Effect of the dispersity of the solid phase on its electrophoretic precipitation from suspensions. A. I. Avgustinik, V. S. Vigdergauz, G. I. Zhuravlev. Zhur. prikl. khim. 36 no. 8:1650-1654 Ag '63.

SUTURES

Primary suture in antrotomy in breast-fed infants and young children. A. M. Akramova, N. L. Pinegina. Trudy mol. nauch. sotr. MONIKI no. 1:65-69 '59.

SVANETIA—DESCRIPTION AND TRAVEL

We need you, mountains! Ila Meskhi Ogonek 41 no. 37:16-17 S '63.

SVERDLOVSK—ART GALLERIES AND MUSEUMS

Pavlovskii, B. V. [Cast iron pavilion, Kaslinskii factory, 1900] Chugunyi pavil'on, Kaslinskii zavod, 1900 god. Sverdlovsk, Sverdlovskaia kartinnaia galereia, 1961. 16 p. illus., plates. (MH)

SVERDLOVSK—CHEMICAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS

Plant's wings. A. Didusenko, N. Nadezhdina, V. Segal'. Sov. profsoiuzy 19 no. 20:18-20 O '63.

SVERDLOVSK—IONOSPHERIC RESEARCH

Akademiia nauk SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln, Sverdlovsk. Moskva. (Its: Materialy ionosfernykh issledovanii)

Nov. - Dec. 1957, Jan. - Feb. 1958. 1962. 63 p.
Mar. - Apr. 1958. 1962. 62 p.

SVERDLOVSK PROVINCE—DUCKS—FEEDING AND FEEDS

Feeding value of reservoirs for raising ducks in Sverdlovsk Province. G. M. Mishin. Sbor. nab. mol. ut-B. VNIP no. 4:132-139 '62.

SVERDLOVSK PROVINCE—FIRES AND FIRE PREVENTION

Demands of life. G. Borisova. Pozh. delo 8 no. 9:6 S '62.

SVERDLOVSK PROVINCE—PUBLIC HEALTH

Review of the book, "For the health of the working people." M. S. Bednyi. Zdrav. Ros. Feder. 7 no. 10:40-42 O '63.

SVERDLOVSK PROVINCE—STATISTICS

[Economy of Sverdlovsk Province; statistical abstract] Narodnoe khoziaistvo Sverdlovskoi oblasti, statisticheskii sbornik. [Sverdlovsk] Gosstatizdat, 1962. 230 p.

SVETLOGORSK REGION—PALEOBOTANY

Tertiary flora of Svetlogorsk, Kaliningrad Province. P. I. Dorofeev. Dokl. AN SSSR 152 no. 4:903-904 O '63.

SVIR' RIVER—HYDROLOGY

Leningrad. Gosudarstvennyi gidrologicheskii institut [Study of unsteady flow on the Svir' River under winter and summer conditions] Issledovaniia neustanovivshegosia dvizhenitia vody na reke Svir' v zimnikh i letnikh usloviiakh. Pod red. N. E. Kondrat'eva, I. V. A. Urvauva. Leningrad, Gidrometeoizdat, 1963. 250 p.

SVYATOGORSK—WOODPULP INDUSTRY

All indices should be on the high level. V. P. Sykol. Bum. prom. 38 no. 9:10 S '63.

SWAMPS see subdivision under White Russia

SWEDEN—BLASTING

The use of explosives in Swedish mines. Met. i gornorud. prom. no. 5:93-94 S-O '63.

SWEDEN—DESCRIPTION AND TRAVEL

We talked about war and peace. G. Zimanas. Nov. vrem. 21 no. 44:7-10 N '63.

SWEDEN—FOREIGN RELATIONS

We talked about war and peace. G. Zimanas. Nov. vrem. 21 no. 44:7-10 N '63.

SWEDEN—INDUSTRIAL POWER TRUCKS

Diesel-powered truck [translated by I. S. Mathoroda]. Met. i gornorud. prom. no. 4:94 Jl-Ag '63.

SWEDEN—SHIPBUILDING

Swedish-built ships. Sudostroenie 29 no. 9:67-70 S '63.

SWEDEN—SOCIALIST PARTY

Reformist theory and the practice of the Swedish Social Democrats [with summary in English, p. 198]. I. P. Petrov. Nauch. zaveshch. issl. no. 5:26-40 '63.

SWINE

(see also subdivision under Kuban; Rostov Province; Voronezh Province)

Comparative effect of ultraviolet and infrared rays and vitamin D_2 preparations in raising suckling pigs in winter. D. A. Ustinov. Trudy VIZH 24:403-412 '62.

Development of the mammary gland in purebred and hybrid swine in the process of their individual development. M. IA. Solovei, V. A. Ektov. Dokl. TSKHA no. 69:317-323 '61.

Establishing optimal doses of ultraviolet radiation for young pigs. A. N. Moiukov. Trudy VIZH 24:398-402 '62.

Histological structure of the mammary gland in purebred and hybrid swine in relation to their growth, the period of pregnancy, and lactation. M. IA. Solovei, V. A. Ektov. Dokl. TSKHA no. 69:325-335 '61.

SWINE (Continued)

Performing ovariectomy on 6-month-old swine according to an old Chinese method. N G Generalenko, V IA Krasnogorskii. Shor stud. rab. MTIMMP no. 7,75-77 '62.

Potentials for reducing the cost of swine. A. M. Sorokа, V. I. Chernobrovkin. Dokl. i soob. VNIESKH no. 16:93-105 '63.

Veterinary hygiene in the group method of keeping breed sows with young pigs in summer shelters R S Makhachev. Dokl. TSKHA no. 69:279-283 '61.

SWINE—ANATOMY

Characteristics of the histological structure of lymph nodes in young cattle and swine. G. G. Tindakov, T. A. Tsiunskaia. Dokl. TSKHA no. 69:345-347 '61.

SWINE—DISEASES

Prevention and treatment of disease in young animals. A. F. Smirnov and others Veterinariia 37 no 2:47-51 F '60

SWINE—FEEDING AND FEEDS
(see also subdivision under Kemerovo Province, Myski District, Poltava Province)

Effect of biogenic stimulators on the fattening qualities of swine. M. I. Kuz'min, I. I. Mel'nikov. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:111-115 '61.

Vacuum distribution of semiliquid feeds. N. Khlobystov. Tekh. v sel'khoz. 23 no 6 24-27 Je '63.

SWINE—PHYSIOLOGY

Effect of gonadotropic hormones of the pituitary body on the ovaries in swine. V. A. TSvetkova. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:185-194 '61.

SWINE BREEDING

Crossing Landrace with Breytovo and Large White swine. F. A. Grachev. Trudy VIZH 24 108-111 '62.

Economic effectiveness of crossbreeding for market purposes Large White and Murom swine. I. A. Savich, N. S. Akopian. Dokl. TSKHA no. 69:129-136 '61.

SWINE BREEDS

Quality of meat in Large White and Murom swine and their hybrids. N. S. Akopian. Dokl. TSKHA no. 69: 137-143 '61.

SWINE HOUSES AND EQUIPMENT
(see also subdivision under Tula Province)

Practices in the maintenance of swine in large groups and outdoor runs with the use of a vacuum self-feeder and the UDK-T universal crusher. E. A. Makhaev, S. M. Kabozov, IU. S. Mul'ner. Trudy VIZH 24:115-124 '62.

SWITZERLAND—MATHEMATICS—STUDY AND TEACHING

Results of modernization of the mathematics course in Swiss secondary schools. IU. M. Gaiduk. Mat. v shkole no. 5:77-79 S-O '63.

SWITZERLAND—PHOSPHORUS

Probability distribution functions of phosphorous concentration in granitoids in Switzerland, Guiana, and Equatorial Africa. B. T. Vistelius. Dokl. AN SSSR 152 no. 6:1449-1452 O '63.

SYDNONE IMINES

Sydnones and sydnone imines. Part 17. Opening of the ring of sydnone imines under the effect of hydrochloric acid. L. E. Kholodov, V. G. IAshunskii. Zhur. ob. khim. 33 no. 10:3409-3412 O '63.

SYENITE

Unique deposit of pseudoleucite ultrapotassic syenite. A. IA. Zhidkov. Dokl. AN SSSR 152 no. 2:414-417 S '63.

SYKTYVKAR REGION—LUMBERING

The Syktyvkar lumbering complex. F. V. Shakhrai. Probl. Sev. no. 5 153-160 '63.

SYMBIOSIS

Some characteristics of nodule bacteria in symbiosis. Z. M. IAkovleva. Trudy Inst. mikrobiol. no. 11:198-201 '61.

SYMBOLIC AND MATHEMATICAL LOGIC see Logic, Symbolic and Mathematical

SYNCHRONOUS MOTORS see Electric motors, Synchronous

SYNCHROTRON

Apparatus for generating extreme synchrotron γ-radiation with external injection. N. S. Solov'ev. Zhur. tekh. fiz. 33 no. 8:945-948 Ag '63.

Extraction of particles from a strong-focusing synchrotron by means of an azimuthally periodic perturbation of the magnetic field. I. A. Shukeilo. Zhur. tekh. fiz. 33 no. 10:1227-1231 O '63.

SYNTHETIC FABRICS

Special processing of fabrics containing synthetic and rayon fibers. F. I. Raikhlin. Nauch.-issl. trudy TSNIIShersti no. 16:102-110 '61.

SYNTHETIC PRODUCTS

Deck covering made of synthetic materials. P. Turchin Mor. flot 23 no. 8:35 Ag '63.

Footgear out of synthetic materials. I. Shaklanov. Sov. torg. 36 no. 8:40-41 Ag '63.

Makovetskii, P. S. [From coal, petroleum, and gas] Iz uglia nefti i gaza. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963. 106 p. (Nauchno-populiarnaia literatura)

New scientific discoveries and technological innovations. Ukraina no. 19 26 O '62.

SYNTHETIC TEXTILE FIBERS see Textile fibers, Synthetic

SYPHILIS

Histopathological changes in secondary syphilids of the skin following treatment with bicillin-1 and 3 [with summary in English] N. A. IAroshetskaia. Vest. derm. i ven. 36 no. 10:46-49 O '62.

SYR DARYA DISTRICT—COLLECTIVE FARMS—VALUATION

Economic valuation of irrigated lands M. Khashimdzhanov. Ekon. sel'khoz. 34 no. 10.97-101 O '63.

SYR DARYA DISTRICT—SOILS—CLASSIFICATION

Economic valuation of irrigated lands. M. Khashimdzhanov. Ekon. sel'khoz. 31 no. 10.97-101 O '63.

SYR DARYA VALLEY—ANTIQUITIES

The ancient site of Akhsyket. IU. G. Chulanov. Sov. arkheol. 7 no. 3:197-206 '63.

SYRIA—KARST

Karst phenomena in the eastern Mediterranean region. V. V. Kozlov, E. D. Sulidi-Kondrat'ev. Priroda 52 no. 9 116-117 '63.

SYSTEMS (CHEMISTRY)

Application of physicochemical analysis for extraction processes. A. V. Nikolaev. Trudy Kom. anal. khim. 14:31-46 '63.

Characteristics of the layer separation field in ternary transition type systems. Part 3. R. V. Mertslin, V. V. Tarasov, N. I. Nikurashina. Zhur. ob. khim. 33 no. 8 2435-2440 Ag '63.

Characteristics of the layer separation field in ternary transition type systems. Part 1. R. V. Mertslin, N. I. Nikurashina. Zhur. ob. khim. 33 no. 8:2440-2448 Ag '63.

Differential equation of the curves of multiple distributions (constancy of the relative volatility) of two components of a ternary system solution - ideal vapor. M. P. Susarev, L. S. Kudriavtseva. Zhur. prikl. khim. 36 no. 8 1717-1721 Ag '63.

Interaction of $SnBr_4$ with $AlBr_3$ and of $SbCl_3$ with $AlCl_3$ in nitrobenzene as solvent. E. IA. Gorenbein, V. V. Sukhan, I. L. Abarbarchuk. Ukr. khim. zhur. 29 no. 8.797-805 '63.

Principles of machine recording of phase fields on diagrams of states in case of binary metal systems. V. S. Shtein. NTI no. 3:31-35 '63.

Silicon reduction in the systems SiO_2 - Fe_2O_3 and SiO_2 - CaO. V. I. Levchenko, S. T. Rostovtsev. Izv. vys. ucheb. zav.; chern. met. 6 no. 8 5-12 '63.

SYSTEMS (CHEMISTRY)—THERMODYNAMIC PROPERTIES

Thermodynamic potentials of open systems in which the acidity and reduction potential are determined by external conditions. D. S. Korzhinskii. Dokl. AN SSSR 152 no. 2:430-433 S '63.

TACTICS

Reconnaissance is conducted by a rifle company. T. Isachenko, Z. Moseev. Voen. vest. 43 no. 7:60-64 Jl '63.

Tactics of small units in modern combat; discussion of the article in no. 2. A. Kazarian and others. Voen. vest. 43 no. 7:50-53 Jl '63.

TAENIA

Study of the development cycle of Taenia krabbei, a parasite of carnivorous animals and deer. V. V. Brzheskii. Dokl. AN SSSR 152 no. 6:1494-1495 O '63.

TAGANROG—HIGHWAY TRANSPORT WORKERS

The turnover of motor-vehicle drivers has been sharply reduced. F. Rossik. Avt. transp. 41 no. 8 11 Ag '63.

TAGANROG—MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING

Arm in arm. V. Lukin. Sov. profsoiuzy 19 no. 17:24-25 S '63.

There is an increasing interest in self-education. A. Bobyleva. Polit. samoobr. 7 no. 9:75-77 S '63.

TAIR-ZADE, MIRZA-ALEKBER, 1862-1911

Word formation in Sabir's satire [in Azerbaijani with summary in Russian]. R. Dzh. Magerramova. Trudy Inst. lit. i iaz. AN Azerb. SSR 17:48-62 '63.

TAIWAN see Formosa

TAJIK DEPRESSION REGION—PALEOGEOGRAPHY

Paleogeography of the Tajik Depression and its margin in the Alay time L. P. Nakhanova. Uch. zap. LGU no. 310:180-200 '62.

TAJIKISTAN—CLIMATE

Leukhina, G. N., and O. A. Semenova. [Climatic description of the plains and foothills in southern Tajikistan] Klimaticheskoe opisanie ravnin i predgorii IUzhnogo Tadzhikistana Leningrad, Gidrometeoizdat, 1963. 82 p.

TAJIKISTAN—PALEOGEOGRAPHY

Early Cretaceous paleogeography of western Tajikistan V. N. Shvanov Uch. zap LGU no 310:161-179 '62

TAJIKISTAN—RICE—FERTILIZERS AND MANURES

Trace elements and the yield of rice. G. Kaiumov. Zemledelie 25 no. 10:15-16 O '63.

TAJIKISTAN—SHEPHERDS

Shepherd from Nogay steppes. P. Il'in. Sem'ia i shkola 18 no 10:24-26 O '63.

TAJIKISTAN—SOVIETS

A useful study of the city soviets. V. A. Sivov. Vest. LGU 18 no. 17 128-131 '63.

TAJIKISTAN—WATER, UNDERGROUND—ANALYSIS

Chlorine, bromine, and iodine in the underground waters of some areas in Tajikistan and the northern Caspian Sea region [with summary in English]. E. V. Kozlova, V. S. Samarina. Vest. LGU 18 no. 18, 28-35 '63.

TAKTAKISHVILI, OTAR VASIL'EVICH, 1924-

Romadinova, D. G. [O. Taktakishvili's opera "Mindilia;" interpretation] Opera O Taktakishvili "Mindilia," (polasnenie). Moskva, Sovetskii kompozitor, 1963 61 p.

TAKYR see subdivision under Sivash region (Crimea)

TALL OIL

Unit for the rectification of tall oil. O. A. Andreeva, M. F. Kulygin. Gidroliz. i lesokhim. prom. 16 no. 7: 31-32 '63.

TALLINN—CONSTRUCTION WORKERS

In a young workers' dormitory. V. Pavlik. Agitator no. 18:43-45 S '63.

TALLINN—GUIDEBOOKS

Reinsalu, Armuli. [Tallinn; a guidebook] Tallin, putevoditel'. Tallin, Estonskoe gos. izd-vo, 1963. 93 p., 1 fold map.

TALLINN—MOTORCYCLE RACING

Is the ring track not too narrow? R. IArov. Za rul. 21 no. 8 22-23 Ag '63.

TALLINN—RESTAURANTS, LUNCHROOMS, ETC.

Good tradition. A. Teder, A. Ratushnyi. Sov. potreb. koop. 7 no. 11:23-25 N '63.

TALMUD

Bolen'kii, M. S. [What is the Talmud] Chto takoe Talmud. Moskva, Izd-vo Akad. nauk SSSR, 1963. 140 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

TAMAN'—STELE (ARCHAEOLOGY)

A stele with the image of a griffin from Phanagoria. I. P. Prikhod'ko. Sov. arkheol. 7 no. 3:221-222 '63.

TAMBOV PROVINCE—PROSTHESIS

Profits, losses and "other" production. V. Sidel'nikov. Sots. obesp. 24 no. 8, 36-39 Ag '63.

TANGANYIKA—COMMERCE—RUSSIA

We are satisfied with our visit to Russia. George Clement Kahama. Vnesh. torg. 43 no. 10 27 '63.

TANK CARS

Dolmatov, A. A., and N. N. Kudriavtsev. [Dynamics and strength of four-axle railroad tank cars] Dinamika i prochnost' chetyrekhosnykh zheleznodorozhnykh tsistern. Moskva, Transzheldorizdat, 1963 122 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no. 263)

TANK VESSELS
(see also subdivision under United States)

Potentialities of increasing the efficiency of tank vessel operations. IA. Grinberg, N. Panibratets, G. Odintsov. Mor. flot 23 no. 9:10-11 S '63.

Stepanenkov, R. V. [Efficient ballasting of a tank vessel] Ratsional'naia ballastirovka tankera. Moskva, Izd-vo "Morskoi transport," 1963. 80 p.

Work experience of the crew of communist labor on the tanker "A. Dzhaparidze." Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 12:35-38 '62.

TANK VESSELS—AIR CONDITIONING

Operational efficiency and ways of improving the means of regulating air humidity in tank vessel cargo spaces. IU. Lekhan. Mor. flot 23 no. 9:32-33 S '63.

Using portable gas analyzers, GB-3 and PGF-11-54 ... the concentration of petroleum products ... A. Tomina, V. Sharapov. Mor. flot 23 ... 63.

TANK WARFARE

Attack of a tank platoon. I. Nikonov. Voen. vest. 41 no. 1 21-24 Ja '62.

Develop a highly active defense. V. Vinnikov. Voen. vest. 41 no. 1 26-30 Ja '62.

Exercises according to specialties. R. Neifel'd. Voen. vest. 43 no. 7 65-67 Jl '63.

Fight of tanks against antitank guided rocket missiles. Colonel Goldbach. Voen. vest. 43 no. 7 110-112 Jl '63.

In order to avoid conventions. V. Padalkin. Voen. vest. 43 no. 7 107 Jl '63.

Long-range fire. N. Karavaev. Voen. vest. 43 no. 7 101-103 Jl '63.

Night attack. N. Glazkov. Voen. vest. 41 no. 1 64-66 Ja '62.

Sons of victory. A. Kovalʹ-Volkov. Sov. voin. 44 [i.e. 45] no. 16 8-9 Ag '63.

Teach, but do not tutor, reply to the article by Colonel G. Slashchev "Recoilless weapons against tanks," published in No. 7, 1961. N. Semikolenov. Voen. vest. 41 no. 1 108-111 Ja '62.

Training the tank platoon to attack. G. Petrovskii, N. Fomin. Voen. vest. 41 no. 1 44-51 Ja '62.

TANKS

Equipment of sunk reinforced concrete tanks in seismic regions. V. A. Bunchuk. Stroi. truboprov. 8 no. 9, 7-9 S '63.

TANKS (MILITARY SCIENCE)
(see also subdivision under Germany, West)

Introduce new advances more boldly. E. Gorshkov. Voen. vest. 41 no. 11 113-115 N '61.

Landing operation with infantry on tanks. S. Pitsura. Voen. vest. 41 no. 1 17-20 Ja '62.

Tank company on reconnaissance. G. Safonov. Voen. vest. 41 no. 11 35-37 N '61.

Training in firing from tanks. V. Odinokov, I. Voroshnin. Voen. vest. 41 no. 1 104-108 Ja '62.

Training young driver-mechanics. A. Kulish. Voen. vest. 41 no. 11 66-67 N '61.

TANNU-TUVA see Tuva A. S. S. R.

TANTALITE

Study of the microhardness of minerals of the columbite-tantalite isomorphous series. S. I. Lebedeva, I. I. Razenkova. Trudy IMGRE no. 7:113-117 '61.

TANTALUM see subdivision under Ladoga Lake region

TAPA SHAN—TROPICAL PLANTS

Introduction of subtropical plants of northwestern China into eastern and western Georgia, plant introduction resources of the Tapa Shan. A. V. Vasil'ev. Trudy Sukh. bot. sada no. 14 3-26 '62.

TAR

Reinforcing rocks with a solution of tars and improving additives. V. V. Davydov. Shakht. stroi. 7 no. 8 15-16 Ag '63.

TARGETS (MILITARY SCIENCE)

Determining the characteristics of aerial targets. IU. Chesnokov. Voen. vest. 41 no. 1 83 Ja '62.

TARTARIC ACID

Fractionation of trace impurities during the crystallization of tartaric acid from aqueous solutions. G. I. Gorshtein, N. S. Dmitrieva. Zhur. prikl. khim. 36 no. 8:1725-1729 Ag '63.

TASHKENT—ADULT EDUCATION

Scientific and technical knowledge for everyone! S. Akhmedov. Komm. Uz. 35 no. 8 87-91 Ag '63.

TASHKENT—COMMUNIST PARTY OF THE SOVIET UNION

The fruits of unscrupulousness; follow-up on a letter. Part. zhizn' [Uzb.] 6 no. 2:86-87 F '63.

TASHKENT—COMMUNITY CENTERS

In the community center of a residential block. Kh. Davidov. Part. zhizn' [Uzb.] 6 no. 2:71-72 F '63.

TASHKENT—ELECTION DISTRICTS

In the new election districts. Z. Tadzhiev. Part. zhizn' [Uzb.] 6 no. 2:56-57 F '63.

TASHKENT—INDUSTRIAL MANAGEMENT

Managers of business enterprises should be good organizers and educators. V. Malykhin. Komm. Uz. 35 no. 8:53-59 Ag '63.

TASHKENT—SHOE INDUSTRY

We are responding with deeds. S. Khmel'nitskaia. Nar. khoz. Uzb. 5 no. 10 18 O '63.

TASHKENT—SOCIALIST COMPETITION

Good friendship grows and strengthens. A. Alekseev. Nar. khoz. Uzb. 5 no. 10:60 O '63.

Economic improvement is the main criterion of technological progress. Nar. khoz. Uzb. 5 no. 7:16-19 Jl '63.

TASHKENT—TEXTILE MACHINERY—SAFETY APPLIANCES

The jug should not break. Dil'bar Tukhtakhanova. Sov. profsoiuz. 19 no. 19 25-27 O '63.

TASHKENT—THEATER

Production of Khamza's plays on the Russian stage. IA. S. Fel'dman. Uch. zap. Tash. teatr.-khud. inst. no. 5 133-146 '62.

TASHKENT ASTRONOMICAL OBSERVATORY

[Circular of the Tashkent Astronomical Observatory] TSir. Tashk. astron. obser. nos. 319-322 Ja, My, Jl '63.

TASHKENT PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Assistance groups are the main support of the party committees which control the work of governmental agencies and industrial enterprises. I. Rakhmatov. Komm. Uz. 35 no. 8 85-90 Ag '63.

TASHKENT REGION—ELECTRIC POWER DISTRIBUTION

Covering peak loads in the Tashkent electric power system. I. IA. Kaminskii, V. I. Semenido. Izv. AN Uz. SSR Ser. tekh. nauk 7 no. 4 75-76 '63.

TATAR A. S. S. R.—LITERARY MUSEUMS

Studies conducted in the State Museum of the Tatar A S S R on the literary past of the local area. E. G. Bushkanets. Trudy NIIM 6 35-43 '61.

TATAR A. S. S. R.—PETROLEUM

Individual composition of gasoline from crude oil of the Novo-Elkhovsk field of the Tatar A S S R. M. N. Teleshova, A. A. Vasil'eva, V. I. Semkin. Khim. i tekh. topl. i masel 8 no. 10 14-16 O '63.

TATAR A. S. S. R.—PETROLEUM PRODUCTION—BIBLIOGRAPHY

Bibliography. Neftianik 8 no. 6 36 Je '63.

TATAR A. S. S. R.—PROSTHESIS

Mobile workshop. P. Semidetova. Sots. obesp. 24 no. 8 39-42 Ag '63.

TATAR A. S. S. R.—SOLDIERS

Khanin, L. [Sons of Tartary are heroes of the Soviet Union] Geroi Sovetskogo Soiuza — syny Tatarii. Kazan', Tatarskoe knizhnoe izd-vo, 1963. 679 p.

TATAR A. S. S. R.—TUBERCULOSIS

Problems of tuberculosis control in the Tatar A. S. S. R. F. Kh. Fatkullin. Kaz. med. zhur. no. 2 3-7 Mr-Ap '63.

TATAR INSCRIPTIONS see Inscriptions, Tatar

TATAR STRAIT—ATKA FISH

Materials on the spring Atka fish (Pleurogrammus azonus Jordan et Metz) in the southeastern part of the Tatar Strait [with summary in English]. B. N. El'kina. Trudy Inst. okean. 59 110-117 '62.

TATAR STRAIT—ZOOPLANKTON

Nature of the distribution of zooplankton at the southwestern shores of Sakhalin. N. A. Ivleva. Izv. TINRO 46 65-77 '60.

TAUTOMERISM

Hammett equation in the theory of tautomeric equilibria. Part 2. Tautomerism of α-arylsulfaminopyridines. Potentiometric study. T. A. Mastriukova and others. Zhur. ob. khim. 33 no. 10:3328-3335 O '63.

Hammett equation in the theory of tautomeric equilibria. Part 2. Tautomerism of α-arylsulfaminopyridines. Spectrophotometric study. T. A. Mastriukova and others. Zhur. ob. khim. 33 no. 10, 3336-3342 O '63.

Polarographic study of the kinetics and the mechanism of protolytic reactions underlying nitro-aci-tautomeric conversions of nitrocyclohexane. P. M. Zaitsev, IA. I. Turʹian, Z. V. Zaitseva. Kin. i kat. 4 no. 4, 534-538 Jl-Ag '63.

Pyrazoles. Part 39: Structure and tautomerism of hydroxypyrazoles. V. G. Vinokurov and others. Zhur. ob. khim. 33 no. 8, 2597-2605 Ag '63.

TAUZCHAY VALLEY—VOLCANIC ASH, TUFF, ETC.

Volcanic ash in the Tauzchay Basin. A. Alizade. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk i nefti no. 3:41-45 '63.

TAXATION see subdivision under United States

TAXICABS

New arrangement of automobile service for enterprises, organizations, and institutions. M. Pavlovichev. Avt. transp. 41 no. 8:17-18 Ag '63.

TAYMYR PENINSULA—FORAMINIFERA, FOSSIL

Distribution of Foraminifera in Upper Paleozoic sediments of the Taymyr Peninsula. G. P. Sosipatrova. Sbor. st. po paleont. i biostrat. no. 31:52-71 '63.

Problematic formations of the Kolosovskaia ... the Silian system of the eastern and central ... Peninsula. V. E. Milyshteĭn. Sbor. st. po ... biostrat. no. 32, 37-59 '64.

TBILISI see Tiflis

TEACHERS
(see also subdivision under Ukraine)

Everything must be beautiful in a teacher. ... Shkola-int. no. 5 51-52 S-O '64.

Most important thing is love for children. ... Shkola-int. no. 5 53-54 S-O '64.

Rights and duties of a master of industrial training. Sandomirskii. Shkola i proizv. 7 no. 10 ...

Samullenkov, D. F. [Skill, pedagogical tact, ... ity of the teacher.] Masterstvo, pedagogicheskoe ... avioritet uchitelia. Izd. 2., ispr. i dop. ... Smolenskoe knizhnoe izd-vo, 1961. 212 p.

She follows the command of her heart. P. ... Doshk. vykh. 24 no. 10 18 O '64.

TEACHERS—SALARIES, PENSIONS, ETC.

Retirement pensions. S. Smirnov. Doshk. ... no. 10 97-99 O '63.

TEACHERS, TRAINING OF
(see also subdivision under Kharkov, Khmelnitskii)

From our practice. V. Sitenov. Nar. obr. ... O '63.

Self-education of teachers. L. Khodakovskii. ... no. 10, 124-125 O '63.

Training of primary grade teachers. B. Ob... obr. no. 10 39-40 O '63.

TEACHING

How to develop interest in knowledge. I. Nef... Z. Poluiaktova, A. Sorokovoi. Nar. obr. no. 10 ... O '63.

Let the beacon lights shine brighter! Obshch. ... 1-3 S-O '63.

Let's develop creative forces and abilities of ... M. Demidova, Z. Petrova. Nar. obr. no. 10 ... '63.

Let's overcome students' failures! A. Dubrov... obr. no. 10 insert 16 p. O '63.

Let's use more widely the practice of educators. A. B. Efimov. Vest. vys. shkoly Jl ... 81 O '63.

Methodological work is particularly important ... T. Kh. Margulova. Vest. vys. shkoly Jl ... O '63.

[Pedagogy and public education abroad; ...] Pedag. i nar. obr. v zarub. stran. no. 3 '62.

Samullenkov, D. F. [Skill, pedagogical tact, ... ity of the teacher.] Masterstvo, pedagogicheskoe ... avioritet uchitelia. Izd. 2., ispr. i dop. ... Smolenskoe knizhnoe izd-vo, 1961. 212 p.

Scientific basis of didactics. L. Rol'nov. ... no. 10:53-57 O '63.

They direct the work of the seminar. I. Bili... samoobr. 7 no. 7:124-125 Jl '64.

Toward active participation of students. I. ... N. Shitskaia. Prof.-tekh. obr. 20 no. ...

Where should we look for truth? M. Andrianov. Nar. obr. no. 10:48-52 O '63.

TEACHING MACHINES

Automatic devices for checking current progress ... dents. A. V. Natushil and others. Izv. vys. ... radiotekh. 6 no. 4:408-416 Jl-Ag '64.

Automatic machine for testing knowledge. R. ... skii. Izv. vys. ucheb. zav.; radiotekh. 6 ... Jl-Ag '63.

Choice of the structure of a testing machine. ... movich and others. Izv. vys. ucheb. zav.; ... 6 no. 4:402-407 Jl-Ag '63.

Classification, requirements, and structural ... of simple teaching machines. T. I. Rostunov, ... Sokolinskii. Izv. vys. ucheb. zav.; radiotekh. ... 387-394 Jl-Ag '63.

Control-type teaching automata. IA. K. Trobni... Izv. vys. ucheb. zav.; radiotekh. 6 no. 4:446-44... '63.

Cybernetic machine for programmed instruction. ... Kalinenko, A. H. Komandyrov, O. M. Mykhailov... shk. 42 no. 10:58-64 O '63.

Device for checking and self-testing of knowledge ... programmed teaching. V. M. Volkov, V. A. Gu... B. I. Kurilin. Izv. vys. ucheb. zav.; radiotekh. ... 442-443 Jl-Ag '63.

Device for teaching and control in solving radio ... circuit problems. M. F. Lovin, E. S. Sokolov. ... ucheb. zav.; radiotekh. 6 no. 4:443-446 Jl-Ag '63.

Means for constructing a controlling machine. ... Rzhetskii. Izv. vys. ucheb. zav.; radiotekh. ... 448-449 Jl-Ag '63.

Principal trends in the transition of the institutions ... higher education to programmed teaching using ... machines. T. I. Rostunov. Izv. vys. ucheb. zav. ... tekh. 6 no. 4:374-377 Jl-Ag '63.

TEACHING MACHINES (Continued)

Programmed teaching in radio engineering courses. M. V. Ilumlantsev, V. M. Volkov, M. F. Levin. Izv. vys. ucheb. zav.; radiotekh. 6 no. 4:378-386 Jl-Ag '63.

Some problems of teaching special technical courses by means of teaching machines. K. S. Tabets and others. Izv. vys. ucheb. zav.; radiotekh. 6 no. 4:395-401 Jl-Ag '63.

Some prospects of the development and use of teaching machines. V. M. Glushkov. Izv. vys. ucheb. zav.; radiotekh. 6 no. 4:365-373 Jl-Ag '63.

A special subject is studied in a new way. V. A. Dollatovskii, F. M. Sotnikov. Vest. vys. shkoly 21 no. 10 29-31 O '63.

Teaching machine with a ramified program. I. IA. Sokolinskii, I. M. Mishchenko. Izv. vys. ucheb. zav.; radiotekh. 6 no. 4:425-434 Jl-Ag '63.

Teaching machine with automatic answers. A. G. Mikhnushev, I. IA. Sokolinskii. Izv. vys. ucheb. zav.; radiotekh. 6 no. 4:435-439 Jl-Ag '63.

Testing and teaching machine with a ramified program. N. G. Mikhalevich and others. Izv. vys. ucheb. zav.; radiotekh. 6 no. 4:417-424 Jl-Ag '63.

Use of technical means in teaching. M. G. Chilikin. Izv. vys. ucheb. zav.; radiotekh. 6 no. 4:357-364 Jl-Ag '63.

TEBERDA PRESERVE—RHODODENDRON

Characteristics of the distribution of rhododendrons in the Teberda Preserve. M. S. Shatalina. Nauch. dokl. vys. shkoly, biol. nauki no. 4, 116-121 '63.

TECHNICAL ASSISTANCE

A conference of the United Nations on scientific and technical assistance to underdeveloped areas. G. G. Belovskii, L. R. Polonskaia. Nar. Az. i Afr. no. 5 230-233 '63.

TECHNICAL ASSISTANCE, RUSSIAN see subdivision under Mali

TECHNICAL EDUCATION
(see also subdivision under Brazil, Moscow)

Functional state of the motor analyzer and of the cardiovascular system as an indication of the degree of physical training of juveniles and as a basis for setting up the pattern for the first year of industrial education. S. I. Krapivintseva and others. Uch. zap. Mosk. nauch.-issl. inst. fiz. i gig. no. 2 33-36 '59.

Zonal'naia nauchno-tekhnicheskaia konferentsiia prepodavatelei fiziki, metodiki fiziki i obshchetekhnicheskikh distsiplin pedagogicheskikh institutov Sibiri i Urala. 5th, 1962. [Abstracts of reports of the Zonal Scientific and Technological Conference of Teachers of Physics, Methodology of Physics, and General Technical Subjects in the Pedagogical Institutes of Siberia and the Ural Mountain Region] Tezisy dokladov. Novosibirsk, Novosibirskii gos. pedagog. in-t, 1962. 167 p.

TECHNICAL LIBRARIES
(see also subdivision under Azizbekov; Moscow)

Organization of the reference machinery for a reference and information collection. Z. I. Galkina. NTI no. 2 14-15 '63.

Technical libraries are working in a new way. Mor. flot 23 no. 8:46 Ag '63.

TECHNICIANS IN INDUSTRY

Procedure for assigning workshops, work sectors as well as other production subdivisions of an enterprise to the managerial, engineering and technical wage group. Explanation No. 20/23, September 3, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no. 10:3 '62.

TECHNOLOGICAL INNOVATIONS
(see also subdivision under Kazakhstan; Tashkent; Ukraine; White Russia)

Consolidated norms for the labor consumption of experimental samples of complicated workpieces. K. F. Pazynin. Mashinostroitel' no. 11:35 N '63.

Diplomas and medals of the exhibition. Sov. potreb. koop. 7 no. 11:28-31 N '63.

Flow of time. A. Narkevich. Tekh. mol. 30 no. 8:30 '62.

In the whole world. Znan.-sila 38 no. 5:30 My '63.

Inventions, discoveries and hypothesis. Sov. Soiuz no. 10.52 '63.

New functions of explosives. IU. Kanin. Tekh. mol. 30 no. 8 3-4 '62.

Problems of ideological work and the technical development. Vest. mashinostr. 43 no. 10:3-8 O '63.

Samkulo, G. M. [Economic efficiency of introducing new technology] Ekonomicheskaia effektivnost' vnedreniia novoi tekhniki; stenogramma lektsii. Leningrad, 1963. 36 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Derevoobrabatyvaiushchaia promyshlennost')

Shevlakov, F. N. [Technological progress and production structure; the role of technological progress in the structural changes of production] Tekhnicheskii progress i struktura proizvodstva, rol' tekhnicheskogo progressa v strukturnykh sdvigakh promyshlennosti. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. III Seriia. Ekonomika, no 15)

That can be used in your enterprise. Mashinostroitel' no. 11 22-23 N '63.

TECHNOLOGY

Pokrovskii, G. I., and L. I. Slabkii. [Physics in technology] Fizika v tekhnike. Moskva, Voenizdat, 1963. 83 p. (Nauchno-populiarnaia biblioteka voennogo izdatel'stva)

Road to the wonders of technology. A. Chernial'. Nov. mir 39 no. 2 274-277 F '63.

TECHNOLOGY—BIBLIOGRAPHY see Bibliography—Technology

TECHNOLOGY—DICTIONARIES

[Polish-Russian polytechnical dictionary] Pol'sko-russkii politekhnicheskii slovar'. Moskva, Fizmatgiz, 1963. 515 p.

Polwit, M., and I. Siedlecka, eds. [Concise Polish-Russian and Russian-Polish polytechnical dictionary] Kratkii pol'sko-russkii i russko-pol'skii politekhnicheskii slovar'. Warsaw, Wydawnictwa naukowo-techniczne, [c1963]. 226 p.

TECHNOLOGY—HISTORY

Akademiia nauk SSSR. Institut istorii estestvoznaniia i tekhniki. [History of technology, a bibliography for 1951-1955] Istoriia tekhniki, bibliograficheskii ukazatel' 1951-1955. Pod red. V. V. Danilevskogo. Moskva, Izd-vo Akad. nauk SSSR, 1962. 390 p. (NJP)

TECHNOLOGY—INFORMATION SERVICES
(see also subdivision under Ukraine)

Antsupov, P. A. [Volunteer offices of technical information] Obshchestvennye biuro tekhnicheskoi informatsii. [Lipetsk] Lipetskoe knizhnoe izd-vo, 1963. 18 p.

Coordination of reference and bibliographical work on technology. V. M. Pimenova, A. V. Zarutskaia. NTI no. 3 10-12 '63.

Improving the organization of science-information work in our country and the tasks before the All-Union Institute of Scientific and Technological Information. N. B. Arutiunov. NTI no. 2 3-6 '63.

It is necessary to define clearly the tasks of the sections of the information services of scientific research institutes and design offices. I. I. Fuks. NTI no. 2, 20-21 '63.

Organizing and using the reference collection of the publication "Nauchno-tekhnicheskaia informatsiia." L. D. Berezin, G. I. Gol'dgamer. NTI no. 5 12-17 '63.

TEETH—CARE AND HYGIENE

Rabinovich, A. S. [Take care of your teeth, advice to parents and educators] Sokhraniaite zuby; sovety roditeliam i vospitateliam. Moskva, Medgiz, 1963. 22 p. (Nauchno-populiarnaia meditsinskaia literatura)

TEICHOIC ACID

Structure of ribitolteichoic acid from Actinomyces streptomycini. I. B. Naumova, Z. A. Shabarova, A. N. Belozerskii. Dokl. AN SSSR 152 no. 6 1471-1474 O '63.

TELECOMMUNICATION

Adaptation of VS-3 multiplexing apparatus for operation in radio communication channels. A. M. Severin. Vest. sviazi 23 no. 8:5-7 Ag '63.

Attention should be paid to working conditions in telecommunication enterprises. N. A. Litvinenko. Vest. sviazi 23 no. 8:17 Ag '63.

Bykhovskii, IA. L. [Principles of the theory of high-frequency telecommunication using overhead power transmission lines] Osnovy teorii vysokochastotnoi sviazi po liniiam elektroperedachi. Moskva, Gosenergoizdat, 1963. 182 p.

Economic councils should be provided with outstanding telecommunication service. A. IA. Nefedov. Vest. sviazi 23 no. 8:25-26 Ag '63.

TELECOMMUNICATION—EMPLOYEES

Ideological and educational work helps the development of communist labor. IA. I. Bykov. Vest. sviazi 23 no. 8:4 Ag '63.

We should inculcate love and respect for work. Vest. sviazi 23 no. 8:1-2 Ag '63.

Work with telecommunication employees is of utmost importance. A. I. Korzhenevskii. Vest. sviazi 23 no. 8:27-28 Ag '63.

TELECOMMUNICATION—NOISE

Methods for taking into account the natural asymmetry of a two-wire circuit on the magnitude of noise induced in it. M. IA. Kaller, L. S. Ievleva. Sbor. trud. LIIZHT no. 179:81-90 '61.

TELEGRAPH

Intermediate telegraph repeater. A. I. Shibaev. Avtom., telem. i sviaz' 7 no. 10 31 O '63.

Should ATA-57 telegraph stations be converted now? G. B. TSigel'man. Avtom., telem. i sviaz' 7 no. 10 35-36 O '63.

TELEMETERING

A case of the amplitude error of discretion. IA. P. Drahan, V. M. Mykhailovs'kyi. Dop. AN URSR no. 12 1578-1582 '61.

TELEOLOGY

Is the teleology in live nature a work of God? I. Novikov. Nauka i rel. 4 no. 8:9-15 Ag '63.

A present-day theologian and the problem of teleology. I. Moiseev. Nauka i rel. 4 no. 8 16-19 Ag '63.

TELEPHONE

A multivibrator instead of a buzzer. M. I. Gushchin. Avtom., telem. i sviaz' 7 no. 10 36 O '63.

Tone dial apparatus using transistor components. V. I. Kurgapkin. Avtom., telem. i sviaz' 7 no. 10 16-18 O '63.

TELEPHONE—EMPLOYEES

Mitina, S. I., and L. S. Veksler. [Method for determining the number of production personnel for long-distance telephone enterprises] Metodika opredeleniia chislennosti proizvodstvennogo shtata predpriiatii mezhdugorodnoi telefonnoi sviazi. Moskva, Sviaz'izdat, 1963. 38 p. (Lektsii po ekonomike sviazi)

TELEPHONE—EQUIPMENT AND SUPPLIES

Attachment device for the TKOZ-50 telephone station. IU. Rudakov. Pozh. delo 8 no. 9 21-25 S '63.

TELEPHONE, AUTOMATIC

Subscriber's marker identifier in a crossbar electronic telephone exchanger. Z. S. Kokhanova. Vest. sviazi 23 no. 8 7-9 Ag '63.

TELEPHONE LINES

Measures for improving the safety features of networks in low-voltage cables with star structure. T. M. Sakharova. Vest. sviazi 23 no. 8, 13-14 Ag '63.

TELESCOPIC SIGHTS

Firing from a rifle with an optical sight. V. Chulitskii. Voen. znan. 39 no. 10 29-30 O '63.

TELESHOV, NIKOLAI DMITRIEVICH, 1867-1957

I. A. Bunin's letters to N. D. Teleshov, 1941-1947. Submitted by A. K. Baboreko, A. N. Teleshov. Ist. arkh. 8 no. 2, 156-167 Mr-Ap '62.

TELEUTY—SOCIAL GROUP WORK

Man should be happy. A. Drofenko. Mol. komm. no. 10: 67-69 O '63.

TELEVISION

Gorelova, G. I., V. I. Remizov, and P. N. Ukhin. [Principles of radio engineering and radio-television systems] Osnovy radiotekhniki i kinoradioustanovki. Moskva, Izd-vo "Iskusstvo," 1963. 294 p.

Scientific and technological news. Tekh. kino i telev. 6 no. 8:95-96 Ag '62.

TELEVISION—ABSTRACTS

Abstracts section. Tekh. kino i telev. 6 no. 8 82-94 Ag '62.

TELEVISION—ANTENNAS

Antenna for tropospheric television reception. I. Buchinskii. Radio no. 10 31-33 O '63.

TELEVISION—ANTENNAS—WELDING

Problems in the design and construction of all-welded towers. V. I. Novikov, V. A. Kovtunenko, O. I. Shumitskii. Avtom. svar. 16 no. 5:69-74 My '63.

TELEVISION—BIBLIOGRAPHY see Bibliography—Television

TELEVISION—EQUIPMENT AND SUPPLIES

Complete aperture compensator. IU. M. Braude-Zolotarev, L. M. Mitbreit, I. I. Sheifis. Tekh. kino i telev. 6 no. 8:12-20 Ag '62.

TELEVISION—RECEIVERS AND RECEPTION

Increase in the distance of television signal reception. R. Sorochenko. Radio no. 10:35 O '63.

TELEVISION—REPAIRING

Repaired by amateurs. N. Babkin. Radio no. 10:34-35 O '63.

TELEVISION—TRANSMITTERS AND TRANSMISSION

Control of the television channel by means of test lines. M. I. Krivosheev. Tekh. kino i telev. 6 no. 8, 1-11 Ag '62.

TELEVISION BROADCASTING
(see also subdivision under Germany, East, Kiev, White Russia)

Burn, little light. M Markova Sov radio i tel 11 no 6 17-18 Je '62

Drawings come to life on the screen V Gorlov Sov. radio i tel 11 no 6:20 Je '62.

On the screen is the lecturer, the rest is unimportant. D Skvortsov. Sov. radio i tel 11 no 6:16-17 Je '62

Problems big and little. Sov. radio i tel 11 no 6:22-24 Je '62.

Radio and television are powerful weapons in the ideological work of the party. E. E. Dobrovol'skii. Vest. sviazi 23 no. 8:3-4 Ag '63.

TELEVISION BROADCASTING OF FILMS

Improve the exchange of motion-picture materials IU. Markov. Sov radio i tel 11 no 6 21 Je '62.

TELEVISION CAMERA TUBES

Memory characteristics of the LI-23 tube. P A. IUnakov Tekh. kino i telev. 6 no. 8 52-54 Ag '62.

TELEVISION CAMERAS

New amplifier circuit for the viewfinders of television studio cameras I. I. Sheifis. Tekh kino i telev. 6 no. 3 70-71 Mr '62.

TELEVISION PLAYS

Does television need its own theater? L. Latysheva Sov radio i tel. 11 no. 6:26-27 Je '62

TELEVISION PROGRAMS

Recording of television programs L Pyldma Sov. radio i tel 11 no 6:38-10 Je '62.

TELEVISION IN AGRICULTURE

Televised pamphlets V. IAnchenkov Sov radio i tel 11 no 6:12 Je '62.

TELEVISION IN EDUCATION

Conference on the problems in educational television techniques. Tekh. kino i telev 6 no. 3 95-96 Mr '62

Teaching by television; from foreign mail. Tekh. kino i telev. 6 no 3 95 Mr '62

TELEVISION STATIONS—EQUIPMENT AND SUPPLIES
(see also subdivision under Leningrad)

Present-day systems of lighting equipment for television studios. V. B. Tolmachev. Tekh. kino i telev. 6 no 3 41-48 Mr '62

TELLURIDES

Behavior of selenides and tellurides of certain metals during hydrochloric leaching. A. L. TSelt, R.G. Azerbaeva, A. A. Adilova. Vest. AN Kazakh. SSR 10 no. 9 58-64 S '63.

TELLURIUM

Conference on the Study of Selenium and Tellurium, held in Baku. G. B. Abdullaev, M. A. Talibi. Vest. AN SSSR 33 no. 10 113-114 O '63.

TELLURIUM—ANALYSIS

Extractive separation of selenium and tellurium and their subsequent photometric determination [with summary in English]. A. I. Busev, N. L. Babenko, Khoang Min'-tiau. Zhur. anal. khim. 18 no. 9:1094-1099 S '63

TEMIRTAU (KARAGANDA PROVINCE)—CHEMICAL INDUSTRIES

Routine of the Temirtau chemical workers. Kudrinshov. Nar. khoz. Kazakh. 21 no. 8:48-50 Ag '63.

TEMPERAMENT

Treatment of amenorrhea, taking into consideration typological characteristics of the nervous system. K. A. Kurysheva. Kaz. med. zhur. no. 1:54-56 Ja-F '61.

TEMPERATURE see subdivision under Azerbaijan

TEMPERATURE—PHYSIOLOGICAL EFFECT

Effect of temperature on the functional state of receptors in cold-blooded animals. O. P. Dobromyslova. Nauch. dokl. vys. shkoly, biol. nauki no. 4 49-53 '63.

Study of the successive effect of X rays and temperature on the frequency of mutations and roentgenomorphoses [with summary in English]. K V. Vatti. Trudy MOIP. Otd. biol 7:189-193 '63.

TEMPERATURE FIELDS

Determination of the heat fields in reactors by the method of electrothermal analogy. M. E. Aerov, N. I. Nikitina, I. M. Razumov. Khim. prom. no. 7:531-534 J1 '63.

Investigating temperature fields in electric slag ingots. V. V. Penin and others. Izv. vys. ucheb. zav. ; chern. met 6 no. 9:77-82 '63.

Temperature and humidity control in completely prefabricated apartment houses. V. R. Khlevchuk, IU. A. Kaliadin. Gor. khoz. Mosk. 37 no. 7:16-18 J1 '63.

TEMPERATURE REGULATORS

Adjustment of the "Amur" machine. V I. Alekseev, V. A. Ratkhlin. Khol. tekh. 40 no. 5:57-59 S-O '63.

Control of temperatures in the reaction zone of a rotating furnace. V. B. Zemel'man Khim. prom. no. 7 511-514 J1 '63.

Modernization of temperature control devices N. Babakov, V. Bulgakov. Radio no. 10 27 O '63

TEMPLES, BUDDHIST see subdivision under Ulan Bator

TEMPOSIL

Experimental and clinical data on the testing of eramide (calcium carbamide citrate), a new preparation for the treatment of alcoholism [with summary in English] B M Segal, IA K Averbakh Trudy Gos nauch -issl inst psikh 38 289-291 '63.

Nervous mechanisms of the therapeutic effect of temposil (calcium carbamide citrate) in chronic alcoholism [with summary in English]. I V Strel'chuk Trudy Gos. nauch -issl inst psikh 38 282-288 '63

TEMRYUK VALLEY—GARNET

Garnet containing magnesium from pegmatites of the Sea of Azov region E IA Marchenko Dop AN URSR no 12 1626-1629 '61.

TENDRA BAY—BIRD LICE

Bird lice of gulls nesting on islands of the Tendra Bay of the Black Sea. I. O Fedorenko, B. V. Sabinevs'kyi Zbir. prats Zool muz. AN URSR no. 32 61-72 '63.

TENDRA BAY—PARASITES—GULLS

Bird lice of gulls nesting on islands of the Tendra Bay of the Black Sea I O Fedorenko, B. V. Sabinevs'kyi. Zbir prats Zool. muz AN URSR no. 32 61-72 '63.

TENDRA PENINSULA—DESCRIPTION AND TRAVEL

The Tendra Peninsula Borys Khandros. Ukraina no. 19 27-28 O '62.

TENSIOMETERS

Analysis of errors in the measurement of the thread tension and some ways to reduce them. E. E. Vaks Nauch. -issl. trudy TSNIIShersti no. 16 58-72 '61

Experiments in the use of a tensiometer for measuring the hydraulic pressure in the oil pipes of hydraulic equipment. K. V. Klement'ev, V I Bul'ko. Trakt. i sel'khozmash. 33 no. 8 34-36 Ag '63.

Ilisavskii, IU V. [Transistor tensiometers] Poluprovodnikovye tenzometry. Leningrad, Leningr. dom nauchno-tekh. propagandy, 1963. 40 p. (Seriia "Poluprovodniki," no 6)

TEREPHTHALIC ACID

Catalytic synthesis of the dinitrile of terephthalic acid. B. V. Suvorov and others. Zhur. prikl. khim. 36 no. 8:1837-1847 Ag '63.

TEREPHTHALIC ACID—SPECTRA

Infrared and ultraviolet spectra of some derivatives of terephthalic acid. IU. I. Mushkin and others. Zhur. ob. khim. 33 no. 10:3249-3252 O '63.

TERESHKOVA, VALENTINA VLADIMIROVNA, 1937-

Glorious and famous daughter of our country. V. Usova. Rab. i stal. 39 no. 7:2 of cover J1 '63.

Heroic flight. Voen. vest. 43 no. 7:3 J1 '63.

When the "Chaika" learned how to fly. N. Ancharskaia. Sov. voin 44 [i. e. 45] no. 16:3-4 Ag '63.

TERMITES see subdivision under Burma

TERNOPOL'—LABOR COURTS

Office of a house manager and its fellow workers' court. M. Mrtel'ov. Rad. pravo no. 4:35-38 J1-Ag '63.

TERNOPOL' PROVINCE—BIRDS—MIGRATION

Observations on the arrival of some species of birds in Ternopol' Province. I. V. Marysova. Zbir. prats Zool. muz. AN URSR no. 32 50-56 '63.

TERNOPOL' PROVINCE—DERMATOMYCOSES

Mycological flora of Ternopol Province and measures for the elimination of dermatomycosis. A. Sh. Dembovich. Vest. derm. i ven. 38 no. 10 71-73 O '62.

TERPENIYE GULF—BENTHOS

Benthos of the Terpeniye Gulf, its role in the feeding and distribution of the dab Limanda aspera (Pall). V. A. Skalkin. Izv. TINRO 46:145-187 '60.

TERPENIYE GULF—FLOUNDERS

Benthos of the Terpeniye Gulf, its role in the feeding and distribution of the dab Limanda aspera (Pall). V. A. Skalkin. Izv. TINRO 46:145-187 '60.

TERRACES (GEOLOGY)
(see also subdivision under Sakhalin)

Origin of flooded sea terraces in the light of the hypothesis on the dynamics of the earth's axis rotation. G. G. Khizanashvili. Okeanologiia 3 no. 5:930-935 '63.

TERRESTRIAL ELECTRICITY

Electric field of a polar magnetic disturbance. B. E Brunelli. Geomag. i aer. 3 no. 5:929-937 S-O '63.

Vertical electric currents in the sea. G. A. Fonarev. Geomag. i aer. 3 no. 4:784-785 J1-Ag '63.

TERRESTRIAL MAGNETISM see Magnetism, Terrestrial

TESTICLE

Functional state of testes in mice exposed to gamma irradiation during embryonal development. F. P. Shiprov, N N Zheltikova. Nauch. dokl. vys. shkoly, biol. nauki no 1:90-94 '63

TESTICLE—BLOOD SUPPLY

State of the vascular and nerve apparatus of the tunica albuginea testis in varicocele I. V Kaznetsova Zdravookhranenie 6 no 3 33-37 My-Je '63.

TESTICLE—INNERVATION

State of the vascular and nerve apparatus of the tunica albuginea testis in varicocele I. V Kaznetsova Zdravookhranenie 6 no 3 33-37 My-Je '63.

TESTING LABORATORIES

Mobile laboratory. A. Sorokin. Pozh. delo 7 no. 7:2 J1 '61.

TESTING MACHINES

Casting killed steel testing rams. I. I. Pavlenko, M I Skobkin, L. S. Kaulcha. Met. i gornorud. prom. no. 76-77 S-O '63.

TETANUS

Means of expedient tetanus treatment. A F. Bilibin and others Nauch inform Otd. nauch med inform AMN SSSR no 1 6-8 '61

TETERNIK, DMITRII MIKHAILOVICH, 1900-

D. M. Teternik on his 60th birthday. Veterinariia 37 no 2:96 F '60

TETRALOGY OF FALLOT

Case of complete congenital absence of the pericard in a patient with pentalogy of Fallot, abstract. K F Shirlaeva, A. P. Maksimkina. Kaz. med. zhur. no. 1 105-106 Ja-F '61

TEXTILE DESIGN

Moscow Nauchno-issledovatel'skii institut khudozhestvennoi promyshlennosti. [Sapozhok folk weaving; Sapozhkovskoe narodnoe tkachestvo. Moskva, Vses kooperativnoe izd-vo, 1960. 38 p. chiefly illus. (Cty)

TEXTILE FABRICS—TESTING
(see also subdivision under Great Britain)

Determining the amount of synthetic fibers in their blend with wool. V. V. Vasil'eva. Nauch. -issl. trudy TSNIIShersti no. 16 155-161 '61.

Investigating the mechanical properties of shirt fabrics G. F. Pugachevskii. Izv. vys. ucheb. zav. ; tekh. tekst. prom. no. 1:29-34 '63.

Methods for determining the abrasion strength of fabrics by means of the TI-1 apparatus. L. A. Luvishis, T. S. Luts'kaia. Nauch -issl. trudy TSNIIShersti no. 16 185-193 '61.

Methods for determining the thickness of fabrics. L. A Luvishis. Nauch. -issl. trudy TSNIIShersti no. 16 193-203 '61.

TEXTILE FIBERS

Some problems of the theory of bast fiber scutching. D. N. Panov. Izv. vys. ucheb. zav. ; tekh. tekst. prom. no. 4:42-50 '63.

TEXTILE FIBERS—DRYING

Moisture evaporation in the layers of bast fiber mats. N. D. Khomutskii. Izv. vys. ucheb. zav. ; tekh. tekst. prom. no. 4:34-41 '63.

TEXTILE FIBERS—STANDARDS

Discussion on the introduction of the "teks" system. I Morozovskaia. Standartizatsiia 27 no. 8:54-55 Ag '63.

TEXTILE FIBERS, SYNTHETIC
(see also subdivision under Chernigov)

Shape of the cross section of synthetic fibers. L. M. Poltavets' Leh. prom. no. 3 88-90 J1-S '63.

Twisting and drawing machine with thermal plasticizati of the moving synthetic fibers. V. R. Borovs'kyi and others. Leh. prom. no. 3:8-11 J1-S '63.

Using the card spinning system for processing polyacrylonitrile "prelan" fibers. IE. F. Shcherban', B. I. Sokolov, F. L. Hrihorian. Leh. prom. no. 3:66-71 J1-S '63.

TEXTILE INDUSTRY see subdivision under Grodno, Ivanovo (Ivanovo Province); Sapozhok

TEXTILE INDUSTRY—ACCOUNTING

Polonskii, A. M. [Mechanizing the accounting of the output and wages of a combine manufacturing artificial fibers] Mekhanizatsiia ucheta vyrabotki i zarabotnoi platy na kombinate iskusstvennogo volokna. Moskva, Gosstatizdat TsSS SSSR, 1961. 78 p. (WU)

TEXTILE INDUSTRY—HYGIENIC ASPECTS

Forepost of health. N. Efremova. Okhr. truda i sots. strakh. 6 no. 11:32-34 N '63.

TEXTILE INDUSTRY—QUALITY CONTROL

Inspection of goods by samples free of defects. A. N. Solov'ev. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 1 12-16 '63.

TEXTILE MACHINERY
(see also subdivision under Great Britain)

Development and investigation of the thread tension regulator. E. E. Vaks. Nauch.-issl. trudy TSNIIShersti no. 16 54-58 '61

Manufacture and testing of machine parts made from polymeric materials in textile factories. V. V. Savarenskii, F. K. Il'in. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 4:137-142 '63.

TEXTILE MACHINERY—SAFETY APPLIANCES see subdivision under Tashkent

TEXTILE MACHINERY—TESTING

Analysis of errors in the measurement of the thread tension and some ways to reduce them. I. E. Vaks. Nauch.-issl. trudy TSNIIShersti no. 16 58-72 '61.

TEXTILE MACHINERY—TRANSMISSION DEVICES

Experimental study of the performance of the helical gear of the machines for the manufacture of synthetic fibers. V. V. Shults. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 4:153-160 '63.

TEXTILE PRINTING

Development of formulas and technology for the printing of wool and semiwool scarfs and woolen ribbons. V. A. Berezina. Nauch.-issl. trudy TSNIIShersti no. 16 130-146 '61.

THAELMAN, ERNST, 1886-1944

Important source for the history of the German labor movement. L. IA. Bisk. Nov. i noveish. ist. no. 5 162-163 '63.

THAILAND—WORLD WAR, 1939-1945

The struggle for Thailand during the period of the war in the Pacific, 1941-1945. V. B. Vorontsov. Kratk. soob. Inst. nar. Az. no. 56:96-106 '63.

THALAMUS see Optic thalamus

THALLIUM see subdivision under Tien Shan; Uzbekistan

THALLIUM ISOTOPES—SPECTRA

Radiations from W^{187} and $Tl^{200}W^{187}$ (T = 24 hrs). K. A. Baskova and others. Izv. AN SSSR, Ser. fiz. 27 no. 10:1258-1260 O '63.

THEATER
(see also subdivision under Azerbaijan; Dnepropetrovsk; Latvia, Moscow, Odessa; Prague; Slovakia; Tashkent; Ukraine)

For an art favored by the people. O. Serdiuk. Mystetstvo 10 no. 4 16-17 Jl-Ag '63.

Theater of the living truth. A. Abdullaev. Komm. Uz. 35 no. 10 65-66 O '63.

THEATERS

Chapaev theater. L. Granat. Sov. voin 45 no. 20:32-33 O '63.

Theaters, theaters, theaters.... Sov. Soiuz no. 9:33-35 '63.

THEATERS—STAGE SETTING AND SCENERY—EXHIBITIONS
(see also subdivision under Novosibirsk)

To serve a common cause. A. Petrytaĭkyl. Mystetstvo 10 no. 3 27-29 My-Je '63.

THEILERIASIS

Combined drug treatment of cattle with theileriasis. A. I. Shmulevich, N. N. Evplov. Veterinariia 37 no. 2 20-24 F '60.

THEOBROMINE

Condensation of 8-theobromine aldehyde with iodoalkylates of heterocyclic bases. B. P. Lugovkin. Zhur. ob. khim. 33 no. 10:3205-3207 O '63.

THEOLOGICAL SEMINARIES see subdivision under Leningrad; Odessa

THEORETICAL CHEMISTRY see Chemistry, Physical and theoretical

THEORY OF ERRORS see Errors, Theory of

THEORY OF GROUPS see Groups, Theory of

THEORY OF STRUCTURES see Structures, Theory of

THERMAL ANALYSIS

Thermal decomposition of copper selenite. A. I. Maier, K. K. Samplavskaia, N. M. Selivanova. Zhur. prikl. khim. 36 no. 8:1659-1664 Ag '63.

Thermographic analysis of the system RbCl - $NbOCl_3$ and CsCl - $NbOCl_3$ [with summary in English]. S. A. Shchukarev, E. K. Smirnova, I. V. Vasil'kova. Vest. LGU 18 no. 16:132-133 '63.

Thermographic investigation of coal granules for the purpose of studying their behavior during thermal decomposition. P. I. Kanavets and others. Trudy IGI 22 136-146 '63.

Thermographic investigation of fluxed ore-fuel granules prepared by the method of chemical catalysis. P. I. Kanavets, V. I. Chernykh, K. I. Chibisova. Trudy IGI 22 31-34 '63.

THERMAL DIFFUSIVITY

Calculating the anharmonicity of the thermal vibrations of a crystal lattice during the experimental determination of the integral intensity of X-ray interferences of polycrystals. V. P. Mikhal'chenko, I. P. Mikhailik, G. P. Kushta. Fiz. met. i metalloved. 16 no. 3, 343-348 S '63.

Thermal diffusivity (mixing of particles) of a fluidized bed baffled by screens [with summary in English]. A. I. Tamarin, V. A. Borodulia. Inzh.-fiz. zhur. 6 no. 11: 26-31 N '63.

THERMAL STRESSES

Investigating the buckling of webs on lightweight I-beams. I. N. Filippov, I. V. Gunin. Stal' 23 no. 10:915-918 O '63.

Thermal fatigue of nozzle blades of gas turbines under almost operating conditions. N. S. Mozharovskii. Izv. vys. ucheb. zav., mashinostr. no. 7:72-75 '63.

THERMIONIC EMISSION

Thermionic emission of lead on tungsten and rhenium [with summary in English]. M. S. Chupakhin. Zhur. anal. khim. 18 no. 9:1059-1062 S '63.

THERMISTORS

Calculation of the volt-ampere characteristics of certain types of thermistors under natural convection [with summary in English]. I. N. Putskii. Inzh.-fiz. zhur. 6 no. 11 105-111 N '63.

THERMOCHEMISTRY

Reduction of manganous oxide by hydrogen. A. N. Morozov I. A. Novokhatskii. Izv. AN SSSR, Met. i gor. delo no. 5: 18-22 S-O '63.

THERMOCOUPLES

Heat transfer of microthermocouples during the combustion of condensed substances. A. A. Zenin. PMTF no. 5:125-131 S-O '63.

Investigating temperature conditions of molten ferrous metals. V. S. Kocho, V. N. Korotkevich. Met. i gornorud. prom. no. 4:64-66 Jl-Ag '63.

Investigating the temperature conditions of the bath during its continuous control in the finishing period. V. S. Kocho and others. Izv. vys. ucheb. zav.; chern. met. 6 no. 8:169-174 '63.

Temperature control of cast iron and slag at blast furnace outlets. S. L. IAroshevskii, N. N. Popov. Met. i gornorud. prom. no. 5 11-14 S-O '63.

THERMODYNAMICS

Calculation of the optimum temperature of the exhaust gases of steam and gas systems with high-pressure steam generators. V. A. Poniatov. Izv. vys. ucheb. zav.; energ. 6 no. 6:57-65 Je '63.

Calculation of thermal diffusion in laminar flow of a viscous fluid at moderate values of thermal and diffusion Prandtl numbers. A. M. Suponitskii. PMTF no. 5:10-13 S-O '63.

Mass transfer and critical phenomena [with summary in English]. N. E. Khazanova, L. A. Rott. Inzh.-fiz. zhur. 6 no. 11,123-135 N '63.

Thermodynamic theory of internal friction from relaxation of a special additional parameter. A. N. Meĭ. Fiz. met. i metalloved. 12 no. 6:923-924 D '61.

Thermodynamics of the extraction of ionic associates as exemplified by the extraction of triphenylmethane dye salts. K. S. Krasnov, F. D. Kashirina, K. B. IAtsimirskii. Trudy Kom. anal. khim. 14:59-75 '63.

THERMODYNAMICS—ELECTROMECHANICAL ANALOGIES

Alteration of the temperature field in a solid body with rectangular insulated regions [with summary in English]. A. A. Sholokhov. Inzh.-fiz. zhur. 6 no. 11:76-84 N '63.

THERMOELECTRIC APPARATUS AND APPLIANCES

Potential distribution in a thermionic energy converter. S. A. Maev. Zhur. tekh. fiz. 33 no. 9:1131-1133 S '63.

THERMOELECTRICITY

Effect of temperature on the electric conductivity of fused salts with a cation valence higher than 1. O. K. Sokolov. Izv. AN SSSR, Met. i gor. delo no. 5:89-91 S-O '63.

THERMOMAGNETISM

Calculation of thermomagnetic coefficients in semiconductors. I. V. Dakhovskii. Fiz. tver. tela 5 no. 10 3020-3022 O '63.

Thermomagnetic treatment of ferromagnetic materials. F. N. Dunaev. Fiz. met. i metalloved. 16 no. 3:484-486 S '63.

THERMOSTAT

Semiconductor thermostat for laboratory uses. E. V. Kolenko. Vest. AN SSSR 33 no. 10:63-64 O '63.

THIAMINE

Absorption of radioactive thiamine in the isolated section of the rumen. V. F. Vrakin. Dokl. TSKHA no. 69, 241-247 '61.

Thiamine bromide in ulcers of the stomach and the duodenum. M. G. Mamish, R. Kh. Akhunzianova. Kaz. med. zhur. no. 2:79 Mr-Ap '63.

Use of vitamin B_1 for expediting labor. K. F. Zalevskaia. Kaz. med. zhur. no. 1 44-46 Ja-F '61.

THIAMINE—ANALYSIS

Photocolorimetric determination of thiamine [with summary in English]. A. M. Aliev. Apt. delo 12 no. 5:31-36 S-O '63.

THIAZOLETHIOL

2-Mercaptothiazole in the Mannich reaction. M. O. Kolosova, V. I. Stavrovskaia. Zhur. ob. khim. 33 no. 8 2778-2785 Ag '63.

THIAZOLIDINE

Derivatives of thiazolidine. Part 2. A. E. Krotov, A. S. Bespalyi. Zhur. ob. khim. 33 no. 10,3323-3325 O '63.

THIAZOLIDINONE

Synthesis of thiazolidinone derivatives of biological interest. Part 15. Acidic properties of derivatives of 4-thiazolidinone and 4-thiazanone. E. V. Vladzimirskaia, IU. M. Pashkevich. Zhur. ob. khim. 33 no. 10 3149-3153 O '63.

THIAZOLINOL

Pyridylthiazolylmethane series. Part 3. Synthesis and properties of 3-pyridyl-2'-thiazolylcarbinols. V. G. Ermolaeva, M. N. Shchukina. Zhur. ob. khim. 33 no. 8 2716-2720 Ag '63.

THICKNESS MEASUREMENT

Method of thickness control of coatings by means of reabsorption. V. A. Trapeznikov. Fiz. met. i metalloved. 12 no. 6 925-926 D '61.

THIOCARBONATES

Reaction of ethylene monothiocarbonate with alkene oxides. V. S. Etlis. Zhur. ob. khim. 33 no. 10 3378-3381 O '63.

THIOCYANATES

Composition and extractibility of nitrone-thiocyanate complexes of some metals. A. S. Babenko, V. N. Tolmachev. Trudy Kom. anal. khim. 14 160-171 '63.

Effect of the nature of the solvent on the formation of thiocyanate complexes of tin (II). A. M. Golub, V. M. Samoilenko. Ukr. khim. zhur. 29 no. 8 789-797 '63.

Stability of mixed thiogenate halo compounds of cadmium in solutions. IA. D. Fridman, Dzh. S. Sarbaev. Izv. AN Kir. SSR, Ser. est. i tekh. nauk 5 no. 1 125-133 '63.

Thiocyanate complexes of chromium (III) in nonaqueous solutions. A. M. Golub, R. A. Kostrova. Ukr. khim. zhur. 29 no. 8 784-789 '63.

THIOLS

Methods of determining varieties of organic sulfur in solid fuels. B. N. Prilezhaeva and others. Trudy IGI 21:159-168 '63.

Reactions of 1, 1-difluoropolyfluoralkylmercaptans with phosphorus acid derivatives. A. V. Fokin, IU. N. Studnev, A. A. Skladnev. Zhur. ob. khim. 33 no. 10 3366-3369 O '63.

Synthesis and transformations of substituted vinyl ethers. Part 13: Stereochemistry of the reaction of addition of thiols to tert-butylacetylene. E. P. Gracheva and others. Zhur. ob. khim. 33 no. 8:2493-2501 Ag '63.

THIOLS—THERAPEUTIC USE

Role of preparations of the thiol series (unithiol, dimercaptol) in the treatment of alcoholism [with summary in English]. S. G. Svininnikov. Trudy Gos. nauch.-issl. inst. psikh. 38 331-337 '63.

THIONYL CHLORIDE

Obtaining sulfides and sulfoxides by the action of thionyl chloride on mixed organomagnesium compounds. N. P. Volynskii, G. D. Gal'pern, V. V. Smolianinov. Neftekhimiia 1 no. 4:473-481 Jl-Ag '61.

THIOPHENE

Basicity and structure of α,β-unsaturated heterocyclic ketones. Part 1: Basicity of the thiophene analogs of chalcone. S. V. TSukerman and others. Zhur. ob. khim. 33 no. 10:3180-3186 O '63.

Basicity and structure of α,β-unsaturated heterocyclic ketones. Part 2: Thiophene analogs of 1, 5-diphenylpentadienones. S. V. TSukerman and others. Zhur. ob. khim. 33 no. 10:3186-3191 O '63.

Spectra and halochromism of nitromethoxy- and dinitro derivatives of the thiophene analogs of chalcone. V. M. Nikitchenko, S. V. TSukerman, V. F. Lavrushin. Zhur. ob. khim. 33 no. 8:2563-2568 Ag '63.

THIOPYRAN

Synthesis of 2-substituted thiacyclohexanes. N. P. Volynskii, G. D. Gal'pern, V. V. Smolianinov. Neftekhimiia 3 no. 4 482-487 Jl-Ag '63.

THIRTY YEARS' WAR, 1618-1648

"The Bohemian problem" and political contacts between Western and Eastern Europe in the early phase of the Thirty Years' War [translated from the German]. J. Polišenský. Sred. veka no. 24 240-258 '63.

Economic contacts between Western and Eastern Europe in the decisive period of the Thirty Years' War [translated from the German]. Miroslav Hroch. Sred. veka no. 24 225-239 '63.

THIXOTROPY

Accounting for the thixotropic stabilization of clayey soils. B. M. Gumenskii. Avt. dor. 26 no. 10 20, 24, 30 O '63.

THORACIC ARTERY—LIGATURE

Indications for intrathoracic operations and ligation of the internal thoracic artery in coronary insufficiency. V. D. Ivanova, A. M. Tokareva. Kaz. med. zhur. no. 1: 11-15 Ja-F '61.

THOREZ, MAURICE, 1900-

Maurice Thorez. Zh. Kanapa. Mir. ekon. i mezhdunar. otn. no. 10 135-137 '63.

THORIUM

Fission of Th^{232} nuclei by 14 Mev. neutrons and continuous spectrum photons with an energy of $E_{\gamma max}$ = 90 Mev. A. P. Komar, B. A. Bochagov, V. I. Fadeev. Dokl. AN SSSR 152 no. 4:858-861 O '63.

THORIUM—ANALYSIS

Amperometric determination of thorium by means of thoron [with summary in English]. I. A. TSerkovnitskaia, E. Zhu-Tszin [Yeh Ju-chiu]. Vest. LGU 18 no. 16 135-136 '63.

Use of complexons for coulometric titration of thorium [with summary in English]. I. A. TSerkovnitskaia, E. Zhu-tszin [Yeh Ju-chiu]. Zhur. anal. khim. 18 no. 7 822-828 Jl '63.

THREE-DIMENSIONAL MOTION PICTURES see Motion pictures, Three-dimensional

THRESHER (SUBMARINE)

Mystery of the "Thresher" disaster. V. Smirnov. Tekh. mol. 31 no. 8:24-26 '63.

THROMBOPHLEBITIS

Surgical treatment of patients with otogenous thrombophlebitis. I. G. Triantafilidi. Trudy mol. nauch. sotr. MONIKI no. 1:260-265 '59.

THROMBOSIS

Anosov, N. N., and B. S. Vilenskii. [Ischemic insultus; thrombosis of the cerebral vessels] Ishemicheskii insul't, tromboz sosudov golovnogo mozga. Leningrad, Medgiz, 1963. 288 p. (DNLM)

Morphological changes in the brain in various localizations of the thrombus in the internal carotid artery. A. N. Koltover, I. G. Lindkovskaia, I. V. Gannushkina. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 56-58 '61.

Thrombosis of the extracranial and intracranial sections of the internal carotid artery. E. V. Shmidt, D. N. Dzhibladze. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1 54-55 '61.

Use of anticoagulants in septic thrombosis of the venous system in otorhinolaryngology. I. G. Triantafilidi. Trudy mol. nauch. sotr. MONIKI no. 1:266-275 '59.

THULIUM ISOTOPES

Hyperfine splitting of the ground state of Tu^{169}. D. L. Kaminskii and others. Opt. i spektr. 15 no. 4 441-445 O '63.

THUNDERSTORMS

Radar detection of thunderstorms based on the data on the maximum intensity of rains. V. M. Muchnik. Meteor. i gidrol. no. 10:42-43 O '63.

THYMIDINE

Autoradiographic study on thymidine-H^3 inclusion in the process of oogenesis [with summary in English]. G. I. Ginsburg. Zhur. ob. biol. 24 no. 1:71-73 Ja-F '63.

THYMINE

Oxidation of thymine and valine and radiation injury in infusoria. A. S. Popov. Radiobiologiia 2 no. 6:811-818 '62.

THYROID GLAND

Effect of molybdenum on the content of free iodine, diiodotyrosine, and thyroxine in the thyroid gland of rabbits. L. V. Ulenkova. Trudy VIZH 24:419-423 '62.

THYROID GLAND—DISEASES

Functional state of the thyroid gland in thyrotoxicosis at various periods following radioactive iodine therapy [with summary in English]. T. P. Sivachenko, V. N. Slavnov. Med. rad. 8 no. 2:5-10 F '63.

Morphological changes in the myocardium in thyrotoxicosis. V. A. Odinokova. Trudy mol. nauch. sotr. MONIKI no. 1:209-212 '59.

THYROID GLAND—TUBERCULOSIS

Tuberculosis of the thyroid gland. B. L. Eliashevich. Kaz. med. zhur. no. 2, 75 Mr-Ap '63.

THYROID HORMONES

Acid mucopolysaccharides of embryonic connective tissue under conditions of the deficiency and excess of thyroid hormones in the organism of a chicken embryo. G. V. Alekseeva. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2:108-112 '63.

THYROXINE

Effect of betazin (β-analog of diiodotyrosine) on the composition of lipids in the animal organism and the synthesis of thyroxine and its precursors in the thyroid gland. L. B. Fridland, P. S. Popekhina, L. V. Ulenkova. Trudy VIZH 24 413-418 '62.

TIBIA—FRACTURE

Repair of a large defect of the tibia in a fresh open fracture. G. S. Samoilov. Kaz. med. zhur. no. 2, 77-79 Mr-Ap '63.

TICKS

(see also subdivision under Mari A. S. S. R.)

Study of chemoreception in insects and ticks; electrophysiological study of chemoreception in Ixodid ticks. Iu. V. Elizarov. Vest. Mosk. un. Ser. 6 Biol., pochv. 18 no. 6 16-24 N-D '63.

TICKS AS CARRIERS OF DISEASE see subdivision under Kemerovo Province, Siberia, Western; Tomsk Province

TIDAL POWER

Tidal power. V. B. Rzhonsnitskii. Okeanologiia 3 no. 4: 638-641 '63.

TIDAL WAVES

Calculation of the elements of internal tidal waves and related periodic variations of the water temperature. D. U. Vapnar, V. F. Shapkina. Okeanologiia 3 no. 5: 814-823 '63.

Determination of the length of an internal tidal wave by cinematic relations. B. G. Bukhteev. Okeanologiia 3 no. 5:824-828 '63.

TIDES

Effect of internal tidal waves on daily vertical migration of commercial sea fishes. V. R. Fuks. Izv. TINRO 48 189-196 '60.

Questions and answers. Geog. v shkole 26 no. 5 66 S-O '63.

TIEN SHAN—ALKALIES

Distribution of rare alkalies and thallium in the rocks and minerals of granitoid massifs in western Uzbekistan and the central part of the Chatkal-Kurama Ranges. I. Kh. Khamrabaev and others. Uzb. geol. zhur. 7 no. 3, 26-34 '63.

TIEN SHAN—GEOLOGY, STRATIGRAPHIC

Pre-Cambrian granites and the Lower Paleozoic of the central Tien Shan. E. I. Zubtsov, E. I. Zubtsova. Dokl. AN SSSR 152 no. 4:945-948 O '63.

TIEN SHAN—GLACIERS

Morphologic types of glaciers in the northern Tien Shan and their origin [with summary in English]. E. V. Maksimov. Vest. LGU 18 no. 18 116-128 '63.

TIEN SHAN—ORE DEPOSITS

Interrelationship of skarn and ore mineralization in some skarn-ore deposits in western Uzbekistan and the Chatkal-Kurama region. T. M. Voronich. Uzb. geol. zhur. 7 no. 3 35-40 '63.

TIEN SHAN—PASTURES AND MEADOWS

Iakovlev, V. IA. [Chemical composition and nutritive value of the grass stand of pastures and hayfields in the upland Tien Shan] Khimicheskii sostav i pitatel'nost' travostoia pastbishch semokosov syrtov Tian'-Shania. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1963. 114 p. (DNAL)

TIEN SHAN—SKARNS

Interrelationship of skarn and ore mineralization in some skarn-ore deposits in western Uzbekistan and the Chatkal-Kurama region. T. M. Voronich. Uzb. geol. zhur. 7 no. 3:35-40 '63.

TIEN SHAN—THALLIUM

Distribution of rare alkalies and thallium in the rocks and minerals of granitoid massifs in western Uzbekistan and the central part of the Chatkal-Kurama Ranges. I. Kh. Khamrabaev and others. Uzb. geol. zhur. 7 no. 3: 26-34 '63.

TIFLIS—BALLET

Khuchua, P. V. [The Z. Paliashvili State Lenin Theater of Opera and Ballet in Tiflis] Tbilisskii ordena Lenina Gosudarstvennyi teatr opery i baleta im. Z. Paliashvili. Tbilisi, Izd-vo "Khelovneba," 1962. 108 p.

TIFLIS—HOTELS, TAVERNS, ETC.

The hotel "Abkhazia" in Tiflis. Arkhit. SSSR no. 6:63 '63.

TIFLIS—OPERA

Khuchua, P. V. [The Z. Paliashvili State Lenin Theater of Opera and Ballet in Tiflis] Tbilisskii ordena Lenina Gosudarstvennyi teatr opery i baleta im. Z. Paliashvili. Tbilisi, Izd-vo "Khelovneba," 1962. 108 p.

TIFLIS—SCHOOLHOUSES—HEATING AND VENTILATION

Hygienic basis of the optimum air temperature of class rooms in Tiflis. O. I. Dedabrishvili. Gig. i sp. M. nauch.-issl. inst. san. i gig. no. 2 62-65 '59.

TIFLIS RESERVOIR—RESTAURANTS, LUNCHROOMS, ETC.

Restaurants on the Tiflis Reservoir. Arkhit. SSSR no. 1 63 '63.

TIKHAYA BAY—IONOSPHERIC RESEARCH

Akademiia nauk SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. [Tikhaya Bay] Bukhta Tikhaia. Moskva. (Its: Materialy ionosfernykh issledovanii)

Sept. - Oct.	1957.	1962.	36 p.
May - June	1958.	1962.	35 p.

TIKHOMIROV, MIKHAIL NIKOLAEVICH, 1893-

Academician M. N. Tikhomirov's 70th birthday. Vest. arkh. 8 no. 2 133 Ap-Je '63.

Akademiia nauk SSSR. Mikhail Nikolaevich Tikhomirov. Vstup. stat'ia V. I. Shunkova. Bibliografiia sostavili R. I. Gorlachevoi. Moskva, 1963. 71 p. (Materialy k biobibliografii uchenykh SSSR. Seriia istorii, no. 6)

TIKHOMIROV, MIKHAIL NIKOLAEVICH, 1893- —BIBLIOGRAPHY see Bibliography—Tikhomirov, Mikhail Nikolaevich, 1893-

TIKSI BAY—IONOSPHERIC RESEARCH

Akademiia nauk SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. [Tiksi Bay] Bukhta Tiksi. Moskva. (Its: Materialy ionosfernykh issledovanii)

Apr. - May	1958.	1962.	39 p.
July - Aug.	1958.	1962.	43 p.
Sept. - Oct.	1958.	1962.	35 p.
Nov. - Dec.	1958.	1962.	37 p.
Feb. - Mar.	1959.	1962.	37 p.
Apr.	1959.	1962.	19 p.
July - Aug.	1959.	1962.	39 p.
Sept. - Oct.	1959.	1962.	37 p.
Nov. - Dec.	1959.	1962.	34 p.

TILES, ROOFING

Tiles for easily detachable roofs of industrial buildings. A. A. Svetov, O. K. Freidenfel'd. Prom. stroi. 41 no. 8 28-31 S '63.

TILLAGE

(see also subdivision under Orenburg Province, Polesye; Ukraine)

Apparatus for measuring the depth of tillage. G. K. Tsypov. Trudy VISKHOMa no. 34:57-64 '62.

Efficiency of deep and improved fall tillage. I. Kostyaev. Ekon. sel'khoz. 34 no. 10, 113-114 O '63.

Intertillage of cotton fields. A. K. Koshkarov. Trudy FergZOS no. 2:103-126 '59.

Land profilograph. S. N. Kozlov. Trudy VISKHOMa no. 34:65-70 '62.

TIMAN RANGE—NIOBIUM

Effect of soil acids on the migration ability of niobium. N. A. Tiutina, V. B. Aleskovskii. Trudy IMGRE. no. 3:85-90 '61.

TIMAN RANGE—SOIL CHEMISTRY

Effect of soil acids on the migration ability of niobium. N. A. Tiutina, V. B. Aleskovskii. Trudy IMGRE. no. 7:83-90 '61.

TIME MEASUREMENTS

Meter of the time of equipment operation. M. Helvi. Mashinostroitel' no. 11.11 N '63.

TIME STUDY see subdivision under Novosibirsk Province

TIN

Polarographic method of the determination of oxidized and sulfide tin in siliceous rocks, sulfide ores and minerals. G. A. Arapova, Iu. S. Nesterova. Trudy IGEM no. 81 39-40 '62.

TIN—ANALYSIS

Photometric determination of bivalent tin with picrolonic acid [with summary in English]. A. Aleksandrov, P. Vasil'eva-Aleksandrova. Zhur. anal. khim. 18 no. 7:905-906 Jl '63.

TIN—TESTING

Position of jumps on the tension curve of polycrystalline tin. R. I. Kuznetsov, V. A. Pavlov. Fiz. met. i metalloved. 12 no. 6:919-921 D '61.

TIN COMPOUNDS

Effect of the nature of the solvent on the formation of chlorostannate complexes of tin (II). A. M. Golub, V. M. Samoilenko. Ukr. khim. zhur. 29 no. 8 789-797 '63.

TIN ORGANIC COMPOUNDS

Polymerization capacity of tin-containing monomers. M. M. Kotonu, E. T. Dokukina. Dokl. AN SSSR 152 no. 6 1357 O '63.

Preparation of acetylenic tin hydrocarbons by the direct substitution of a tin-containing group for acetylenic hydrogen. V. S. Zavgorodnii, A. A. Petrov. Zhur. ob. khim. 33 no. 8 2791 Ag '63.

Reactions of dialkylphosphinic acid esters with trialkyl tin halides. A. N. Pudovik, A. A. Muratova, E. P. Semkina. Zhur. ob. khim. 33 no. 10 3350-3353 O '63.

Structure of some organotin salts of carboxylic acids. N. A. Slovokhotova and others. Zhur. ob. khim. 33 no. 8 2610-2613 Ag '63.

Synthesis and study of polyorganostannanes. S. M. Zhivukhin, E. D. Budilova, A. M. Kotov. Zhur. ob. khim. 33 no. 10 3274-3277 O '63.

TINCTURES (PHARMACY)

Color reactions to eucalyptic tincture. Iu. M. Shilov, V. E. Chichiro. Sbor. nauch. trud. TSANII 3:115-119 '62.

Tincture of Inonotus obliquus. O. I. Belova, K. I. Varentsova. Sbor. nauch. trud. TSANII 3 86-93 '62.

TIRASPOL'—CLOTHING INDUSTRY—MANAGEMENT

Centralized control system in clothing manufacture. A. D. Kirtsova. Shvein. prom. no. 3 13-14 Je-Jl [i.e. My-Je] '63.

TIRASPOL'—INDUSTRIAL MANAGEMENT

We struggle for the steadfast progress of our industry. A. Nechitailo. Komm. Mold. 8 no. 8:11-16 Ag '63.

TIRE FABRICS

Development and use of chafer fabrics with a new yarn structure in the manufacture of tires. M. A. Poliak and others. Kauch. i rez. 22 no. 10 50-52 O '63.

TIRE FABRICS—TESTING

Studying the properties of some types of cord fabrics during one-time and repeated stretching. Z. M. Kozyreva, I. P. Nagdaseva, N. A. Brovkina. Kauch. i rez. 22 no. 9 38-41 S '63.

TIRES, RUBBER
(see also subdivision under Dnepropetrovsk, Omsk)

Adoption of the procedure and system for issuing bonuses to drivers of automobiles, trolleybuses, trolleycars, electrical automobiles, as well as other automotive and urban transportation workers for prolonging the use of new and retreaded tires. Regulation No. 249/19, July 31, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop truda i sov. profsoiuzov no. 10:10-17 '62.

Design of the equilibrium configuration of pneumatic tires taking the elongation of the cord yarn into account. Iu. I. Bukhin. Kauch. i rez. 22 no. 10 35-38 O '63.

Modernization of the unit for the manufacture of the inner tubes of automobile tires. L. I. Freidgeim, A. D. Sviridinskii. Kauch. i rez. 22 no. 10 49-52 S '63.

New tires for racing motorcycles. N. Poliakov. Za rul. 21 no. 6:15 Je '63.

Use of cis-1,4 butadiene rubber for tread rubbers. V. E. Bresler, Z. A. Markova. Kauch. i rez. 22 no. 9:47-49 S '63.

TIRES, RUBBER—MAINTENANCE AND REPAIR see subdivision under Estonia

TISSUE CULTURE

Change in the antioxidative activity of tissue culture strain Nor-2 after external gamma irradiation. B. V. Leonov. Radiobiologiia 2 no. 6:819-823 '62.

Effect of biogenic stimulants on the multiplication of cells in tissue cultures. N. V. IAnyk. Uch. zap. UEIGB 5:275-279 '62.

TISSUE EXTRACTS

Biological activity of some mixtures of tissue preparations. V. P. Solov'eva, N. A. Manturo. Uch. zap. UEIGB 5:303-306 '62.

Biological activity of tissue preparations from various tissues of animal origin. N. S. Shuliginn, S. S. Cherniak. Uch. zap. UEIGB 5:293-301 '62.

Dry preparations from preserved tissues. L. A. Martsinkevich. Uch. zap. UEIGB 5:307-312 '62.

Effect of biogenic stimulants on the multiplication of cells in tissue cultures. N. V. IAnyk. Uch. zap. UEIGB 5 275-279 '62.

Effect of biogenic stimulators on the fattening qualities of swine. M. I. Kuz'min, I. I. Mel'nikov. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:111-115 '61.

Effect of preliminary administration of tissue preparations on the permeability of cutaneous tissue to pyogenic microbes. D. S. Shchastnyi. Uch. zap. UEIGB 5:268-274 '62.

Effect of tissue preparations on the growth of pneumococcus in a bacterial culture. N. E. Shchastnaia. Uch. zap. UEIGB 5 280-283 '62.

Simple method of quantitative determination of ribonucleic acid in tissue homogenates and extracts in the presence of acid-soluble nucleotides. N. V. Bogolavlenskaia. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 12-13 '61.

Study of the chemical composition of extracts from tissues preserved at low temperatures (nitrous substances of the extracts). A. F. Synoev, V. P. Il'icheva. Uch. zap. UEIGB 5:284-292 '62.

TISSUE METABOLISM

Effect of volatile fractions of the phytoncides of garlic on the respiration of isolated tissues. N. I. Shpak. Uch. zap. UEIGB 5:329-332 '62.

Studying glycolysis and the respiration of tissues as a method for estimating the energy metabolism during the development of the embryo. O. IU. Nikitina. Sbor. rab. mol. uch. VNIIP no. 4:166-176 '62.

TITANIUM

Structural correspondence between a metal and an oxide during the oxidation of titanium. D. I. Lainer, M. I. TSypin, A. S. Bal. Kristallografiia 6 no. 3 477-478 My-Je '63.

TITANIUM—METALLOGRAPHY

Characteristics of the fine crystal structure of titanium following cold straining. V. N. Baranov, IA. D. Vishniakov, IA. S. Umanskii. Metalloved. i term. obr. met. no. 11 18 N '63.

TITANIUM—OXYGEN CONTENT

Mechanism of titanium oxidation in the 800 - 1000° temperature range. D. I. Lainer, A. S. Bal. Izv. AN SSSR. Met. i gor. delo no. 5:145-151 S-O '63.

TITANIUM ALLOYS—METALLOGRAPHY

Effect of hydrogen and oxygen on the mechanical properties and the structure of a T4 titanium alloy. A. M. IAkimova. Fiz. met. i metalloved. 12 no. 6:891-899 D '61.

TITANIUM ALLOYS—TESTING

Corrosion and erosion resistance of VT-1 titanium alloys in multicomponent aggressive media. L. P. Vladimirov and others. Koks i khim. no. 10:49-51 '63.

TITANIUM ALLOYS—WELDING

The soldering of titanium alloys. A. IA. Shiniaev, V. V. Bondarev. Svar. proizv. no. 10:15-17 O '63.

TITANIUM CARBIDE

Niobium diffusion in titanium carbide in a solid solution of TiC - NbC of equimolar composition. M. L. Baskin, V. I. Tret'iakov, I. N. Chaporova. Fiz. met. i metalloved. 12 no. 6 860-864 D '61.

TITANIUM COMPOUNDS

Studying the activity of catalysts on the basis of biscyclopentadiene compounds of titanium in the polymerization of ethylene [with summary in English]. H. Kaar, O. Kirret, G. Shvindlerman. Izv. AN Est. SSR. Ser. fiz.-mat. i tekh. nauk 12 no. 3 295-300 '63.

TITANIUM CRYSTALS

State of titanium in the products of the complete crystallization of some systems. IA. S. Bobovich, G. T. Petrovskii. Zhur. struk. khim. 4 no. 5:765-766 S-O '63.

TITANIUM ORES

Electrochemical surface properties of ilmenite, rutile, and ilmenorutile as interrelated with their flotation characteristics. I. N. Plaksin, R. Sh. Shafeev, V. A. Chantuiia. Dokl. AN SSSR 152 no. 6:1405-1407 O '63.

TITANIUM ORGANIC COMPOUNDS

Preparation and certain properties of the complex formed by methyl titanium trichloride and tetrahydrofuran. G. A. Razuvaev, L. M. Bobinova. Dokl. AN SSSR 152 no. 6:1363-1364 O '63.

TITANIUM OXIDES

Effect of the acidity of sulfuric acid solution of titanium on the dispersity of the hydrolysis products. E. V. Margulis, A. G. Pus'ko, E. D. Maletina. Zhur. prikl. khim. 36 no. 8:1862-1864 Ag '63.

Effect of the modification of titanium dioxide on the rheological properties of thixotropic enamel paints. T. A. Amfiteatrova and others. Lakokras. mat. i ikh prim. no. 4:30-32 '62.

Stability of titanium dioxide nuclei sols prepared from titanium tetrachloride. P. I. Medvedev. Lakokras. mat. i ikh prim. no. 4:38-39 '62.

Sulfation of titanium materials in a fluidized bed. A. G. Pus'ko, V. D. Ponomarev, G. I. Titova. Zhur. prikl. khim. 36 no. 8:1665-1669 Ag '63.

Trilonometric method for determining aluminum oxide in titanium dioxide. E. A. Naviazhskaia, V. S. Sporykhina. Lakokras. mat. i ikh prim. no. 4:52-54 '62.

TITANIUM SULFATES

Nature of titanyl sulfate solutions. N. B. Lekakh, I. S. Galinker. Lakokras. mat. i ikh prim. no. 5:24-26 '63.

TITOV, IURII ALEKSANDROVICH

Heroes of our times. L. Il'ina. Iskusstvo 26 no. 9:24-27 '63.

TITRATION

Certain problems of the theory of titration. Report No. 2. Factors interfering with titrations in diluted solutions [with summary in English]. E. A. Poliak. Zhur. anal. khim. 18 no. 7 788-795 Jl '63.

Determination of manganese dioxide in the presence of some reducing agents [with summary in English]. N. I. Stognii. Zhur. anal. khim. 18 no. 9:1075-1079 S '63.

Rapid method for the volumetric determination of potassium. A. V. Pavlinova and others. Ukr. khim. zhur. 29 no. 8 857-858 '63.

Simple titrimetric methods for the determination of sorbic acid [with summary in English]. N. G. Polianskii, E. I. TSekhmister. Zhur. anal. khim. 18 no. 7 888-891 Jl '63.

TOBACCO CURING

Determining the coefficient of moisture transfer in tobacco. N. N. Alekseev. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:136-140 '63.

TOGO—DIPLOMATS

George Apedo-Ama. Nov. vrem. 21 no. 39:31 S '63.

TOGUCHIN—CLERKS (RETAIL TRADE)

Let beacons light everywhere. V. Chetyrev. Sov. potreb. koop. 7 no. 11 46-47 N '63.

TOILETS see Water closets

TOKTOGUL HYDROELECTRIC POWER STATION

"Naryn" means sunny. V. Krupin. Ogonek 41 no. 39 2 of cover, 1, 4-5 S '63.

TOLMACHEVA-KARPINSKAIA, EVGENIIA ALEKSANDROVNA, 1874-1963

Evgeniia Aleksandrovna Tolmacheva-Karpinskaia; obituary. V. V. Tikhomirov. Izv. AN SSSR. Ser. geol. 28 no. 10:104-105 O '63.

TOLSTOI, LEV NIKOLAEVICH, 1828-1910

Ardens, N. N. [The creative career of L. N. Tolstoi] Tvorcheskii put' L. N. Tolstogo. Moskva, Izd-vo Akad. nauk SSSR, 1962. 676 p.
(CaAEU)

Bursov, B. I. [L. N. Tolstoi; seminars] L. N. Tolstoi; seminarii. Leningrad, Uchpedgiz, 1963. 433 p.

From reminiscences about L. N. Tolstoi (to be continued). A. P. Sergeenko. Zvezda no. 7:155-162 Jl '62.

Pozoiskii, S. I. [Lev Tolstoi and the church] Lev Tolstoi i tserkov' [Tula] Tul'skoe knizhnoe izd-vo, 1963. 89 p.

TOLUENE

Homogenous demethylation of toluene. Report No. 2. Experiments with gas cycling. A. Z. Dorogochinskii and others. Neftekhimiia 1 no. 4:501-504 Jl-Ag '61.

Liquid-phase catalytic oxidation of di-tert-butyltoluene for the purpose of obtaining di-tert-butylbenzoic acid. A. V. Bondarenko and others. Neftekhimiia 3 no. 4 548-557 Jl-Ag '63.

Reaction of diphenylmercury with toluene. G. A. Razuvaev and others. Zhur. ob. khim. 33 no. 8 2764-2766 Ag '63.

Thermodynamics of the reaction of demethylation of toluene and cresols with water vapor. T. A. Slovokhotova, A. A. Balandin, IU. TSia-iun [Yu Chia-yung]. Khim. prom. no. 7 513-517 Jl '63.

TOLUIDINE

Alkylation of amines. Part 3: Alkylation of p-toluidine with isopropyl alcohol. S. I. Burmistrov, N. V. Ponomarev. Zhur. ob. khim. 33 no. 8:2785-2789 Ag '63.

TOMATO PRODUCTS

Nitrogen-containing substances in the groats of tomato seeds. R. S. Isakova, A. D. Berezovikov. Trudy po khim. prirod. soed. no. 5:87-91 '62.

TOMATO PRODUCTS—TESTING

Objective methods for determining the coloring of tomato paste. B. V. Lipis, O. A. Timofeeva, I. M. Shchelokova. Kons. i ov. prom. 18 no. 10:33-36 O '63.

TOMATOES

Accelerated ripening of tomatoes. A. Kolesnik, O. Ognева, D. Faershtein. Sov. torg. 36 no. 8:37-40 Ag '63.

TOMATOES—VARIETIES

Selecting the best varieties of tomatoes for the preparation of juices. B. Vladimirov, D. Popova. Kons. i ov. prom. 18 no. 10:36-38 O '63.

TOMSK—INFLUENZA

Materials on the study of the 1959 influenza outbreak in Tomsk [with summary in English] M. A. Mastennitsa, G. V. Korolenko, I. S. Belova. Trudy TomNIIVS 12,101-105 '60.

Study of the etiological structure of influenza in Tomsk [with summary in English] M. A. Mastennitsa, G. A. Korolenko. Trudy TomNIIVS 12:96-100 '60.

TOMSK—IONOSPHERIC RESEARCH

Akademiia nauk SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. Tomsk, Moskva, (its Materialy ionosfernykh issledovanii)

July - Oct.	1957,	1962	57 p.
Nov. - Dec.	1957,	1962,	55 p.
Jan. - Feb.	1958,	1962,	59 p.
Mar - Apr.	1958,	1962,	59 p.
May - June	1958,	1962,	62 p.
July - Aug.	1958,	1962	67 p.
Sept. - Oct.	1958,	1962,	59 p.
Nov. - Dec.	1958,	1962,	57 p.
Feb. - Mar.	1959,	1962,	59 p.
Apr. - May	1959,	1962,	63 p.
June - July	1959,	1962,	67 p.
Aug. - Sept.	1959,	1962,	63 p.
Oct. - Dec.	1959,	1962,	83 p.

TOMSK—LIBRARIES

Bibliographical work of the library of Tomsk University. M. R. Filimonov, D. P. Maslov. Sov. bibl. no. 5 31-36 '63.

TOMSK—SHIGELLA

Etiological picture of bacterial dysentery in the City of Tomsk [with summary in English]. M. I. Khomullo, L. S. Naumova, T. I. Bystritskaia. Trudy TomNIIVS 12 132-136 '60.

TOMSK—STUDENTS

A letter from Tomsk. IU. Alekseev, G. Somov. Mol. Komm. no. 10 85-90 O '63.

TOMSK PROVINCE—DIPHTHERIA

State of immunity to diphtheria in urban children of Tomsk Province according to the Schick reaction [with summary in English]. E. A. Vul'fson. Trudy TomNIIVS 13 118-122 '60.

TOMSK PROVINCE—DIPHTHERIA—PREVENTIVE INOCULATION

Inoculation against diphtheria in the rural region of Tomsk [with summary in English]. I. P. Vasil'eva, A. P. Gerasimenko. Trudy TomNIIVS 12 123-124 '60.

TOMSK PROVINCE—ENCEPHALITIS

Tick-borne encephalitis in the Tomsk focus during the 1958 season [with summary in English]. S. P. Karpov, A. R. IAv'ia. Trudy TomNIIVS 12:18-21 '60.

TOMSK PROVINCE—HOSPITALS, MOBILE

Results of the work of a floating polyclinic rendering medical care to the population. P. N. Savina. Zdrav. Ros. Feder. 7 no. 10:30-31 O '63.

TOMSK PROVINCE—MENINGITIS

Some data on the incidence and foci of lymphocytic choriomeningitis in Tomsk Province [with summary in English] M. K. Tiushniakova and others. Trudy TomNIIVS 12 91-95 '60.

TOMSK PROVINCE—RODENTS AS CARRIERS OF DISEASE

Some data on the incidence and foci of lymphocytic choriomeningitis in Tomsk Province [with summary in English]. M. K. Tiushniakova and others. Trudy TomNIIVS 12 91-95 '60.

TOMSK PROVINCE—SOILS—CLASSIFICATION

Soil quality and productivity increase of a farm. A. Fedorov. Izv. SO AN SSSR no. 8, Ser. biol.-med. nauk no. 2 130-131 '63.

TOMSK PROVINCE—TICKS AS CARRIERS OF DISEASE

Tick-borne encephalitis in the Tomsk focus during the 1958 season [with summary in English] S. P. Karpov, A. R. IAv'ia. Trudy TomNIIVS 12 18-21 '60.

TOMSK REGION—LOESS

Mineralogical and structural characteristics of loess in the Bogashevskiy area. G. F. Mikhal'chenko. Trudy NIIZHT no. 28 23-30 '62.

TONGUE

Morphohistological structure of the tongue of saiga. V. E. Sokolov, O. V. Volkova. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 6 35-37 N-D '63.

TONSILS—DISEASES

Conservative treatment of chronic tonsillitis in children. L. A. Dedikova. Trudy mol nauch. sotr. MONIKI no 1: 82-84 '59.

Development of some neurologic syndromes in chronic tonsillitis and the methods of their treatment. IU. A. Malashkhiia. Soob. AN Gruz. SSR 30 no. 5,679-684 My '63.

Role of focal infection of the tonsils in the development of vascular skin allergids [with summary in English]. S. Nicolau, A. Bădănoiu. Vest. derm. i ven. 36 no. 10: 8-13 O '62.

TONSILS—SURGERY

Change in the phagocytic activity of the leukocytes of peripheral blood in children under the influence of a tonsillectomy. N. I. Matveeva. Trudy mol. nauch. sotr. MONIKI no. 1:77-81 '59.

TOOL STEEL—METALLOGRAPHY

Improving the quality of cast rapid steel. V. A. Ul'ianov, L. S. Pikus. Metalloved. i term. obr. met. no. 11 41-42 N '63.

TOOL STEEL—STANDARDS

Microstructure scale for alloyed tool steel. A. G. Ivanov and others. Standartizatsiia 27 no. 8 22-23 Ag '63.

TOPOLOGY

Bicompact expansions with punctiform outgrowths, and cohomology groups. E. G. Skliarenko. Izv. AN SSSR Ser. mat. 27 no. 5 1165-1180 S-O '63.

Classification of simple systems of curves on a double-loop surface of genus 2. H. Zieschang. Dokl. AN SSSR 152 no. 1:841-844 O '63.

Equality of dimensions. A. V. Zarelua. Mat. sbor. 62 no. 3 295-319 N '63.

Fundamentals of classical analysis and the theory of analytic functions in a polyadic region. E. V. Novoselov. Izv. vys. ucheb. zav., mat. no. 5:71-88 '63.

Metrizability and the Σ-product of bicompacts. B. Efimov. Dokl. AN SSSR 152 no. 1:794-797 O '63.

Projection spectra. I. A. Shvedov. Trudy Mosk. mat. ob-va 12:99-124 '63.

Some properties of absolutes. S. Iliadis. Dokl. AN SSSR 153 no. 4:798-800 O '63.

Test spaces. V. I. Kuz'minov. Dokl. AN SSSR 152 no. 4: 805-807 O '63.

Unitary representations of solvable groups in spaces with indefinite metrics. M. A. Naimark. Izv. AN SSSR. Ser. mat. 27 no. 5:1161-1185 S-O '63.

TOROIDAL HARMONICS

Calculation of toroidal shells with the aid of an equation of five moments. A. A. Lakhtin. Trudy Ural. politekh. inst. no. 102 103-108 '61.

TORQUE

Analyzing torque converter characteristics. V. A. Bocharov. Trudy LIVT no. 35 p-11 '62.

Electrical dynamometers for measuring torque. G. K. Potapov. Trudy VISKHOMa no. 31 43-56 '62.

TOSNO DISTRICT—DAIRYING

Milk from Lyuban'. I. Il'in. Zvezda no. 7:143-141 Jl '62.

TOSNO REGION—LUMBERING

Urgent problems. F. I. Eremenko. Les prom. 40 no. 5:28 My '62.

TOURISM

"Leningradets" runs south. Sov. Soiuz no. 9:28-33 '63.

[Pocket manual of a tourist] Karmannyi spravochnik turista [Moskva] Profizdat, 1963 204 p.

TOURNAMENTS

Seconds, victories, defeats. M. Gusev. Pozh. delo 8 no. 9,15 S '62.

TOWERS—DESIGN AND CONSTRUCTION

Problems in the design and construction of all-welded towers. V. I. Novikov, V. A. Kovtunenko, O. I. Shumitskii. Avtom. svar. 16 no. 5:69-74 My '63.

TOXEMIA

Late pregnancy toxemias. P. V. Manenkov, A. S. Lepeshkin. Kaz. med. zhur. no. 2:64-66 Mr-Ap '63.

TOXICOLOGY

Analysis of the lethality curve and the simplest method of drawing a probit diagram. V. B. Prozorovskii. Prim. mat. metod. v biol. no. 2:206-211 '63.

Mode of the "dose-reaction" interdependence. IU. N. Zhivliuk, L. I. Frantsevich. Prim. mat. metod. v biol. no. 2:202-205 '63.

TOXICOLOGY—ABSTRACTS

[Pharmacology. Toxicology] Ref. zhur.: Farm. Toks. no. 21 N '63.

TOXINS AND ANTITOXINS

Nature of the meningococcal toxin [with summary in English]. B. G. Trukhmanov. Trudy TomNIIVS 12,297-309 '60.

TOXOPLASMOSIS

Book reviews. Pediatriia 42 no. 5:93-95 My '63.

Problem of toxoplasmosis in veterinary medicine. G. P. Slavin, E. P. Kovaleva, B. N. Vizirov. Veterinariia 37 no. 2:28-32 F '60.

TOY THEATERS

Homemade toy theater. N. Litvinova. Sem'ia i shkola 18 no. 10:46-48 O '63.

TOYNBEE, ARNOLD JOSEPH, 1889-

Critical evaluation of A. Toynbee's philosophy of history. G. D. Chesnokov. Vest. Mosk. un. Ser. 8: Ekon., filos. 18 no. 5,86-94 S-O '63.

TOYS

Toys. N. Nagaitseva. Doshk. vosp. 36 no. 10 93-94 O '63.

TRACE ELEMENTS

(see also subdivision under Dnieper-Donets Lowland; Donets Basin; Kola Peninsula; Kuban Valley)

Content of manganese, nickel and aluminum in preserved vegetables. I. I. Solov'eva. Vop. pit. 22 no. 1 86-89 Ja-F '63.

Content of microelements in the milk of animals and humans. F. P. Grebennikov, V. R. Sorokin, I. V. Saltadash. Vop. pit. 22 no. 1 87-88 Ja-F '63.

Differential centrifugation of plant cell structures with regard to their microelement content [with summary in English]. P. A. Vlasiuk and others. Izv. AN SSSR. Ser. biol. 28 no. 5 653-667 S-O '63.

Effect of trace elements fed to cows during pregnancy on their content in colostrum and milk. N. A. Luknalik, E. E. Kolodzeva, Z. F. Tabakova. Dokl. TSKHA no. 69: 95-102 '61.

Effectiveness of trace element mixtures as feed supplements for heifers in the Moscow region. I. S. Popov and others. Dokl. TSKHA no. 69:85-93 '61.

Finishing mixed herds with vitamin A and trace elements. S. M. Kabozov, R. P. Nikolaev, A. F. Romanova. Trudy VIZH 21:138-148 '62.

Latest advances in the determination of mixtures in pure substances. I. P. Alimarin. Vest. Mosk. un. Ser. 2, Khim. 18 no. 5:3-11 S-O '63.

New data on the geochemistry of accessory elements in cassiterite-sulfide ores. V. V. Ivanov. Trudy IMGRE no. 7:26-40 '61.

Use of extraction for determining small amounts of elements. V. A. Nazarenko. Trudy Kom. anal. khim. 14:3-10 '63.

TRACE ELEMENTS—PHYSIOLOGICAL EFFECT

Effect of microelements on the formation of heteroauxin and the dehydrase activity of some rhizosphere microorganisms. O. I. Bershova. Trudy inst. mikrobiol. no. 11:301-307 '61.

Trace element mixtures for high-yielding cows. A. M. Venediktov. Trudy VIZH 21:247-257 '62.

V. I. Vernadskii and the study of the biological role of microelements in the life of plants, animals, and man [with summary in English]. IA. V. Peive. Izv. AN SSSR. Ser. biol. 28 no. 5:641-652 S-O '63.

TRACE ELEMENTS IN THE BODY

Content of some microelements in the roe of the rainbow trout (Salmo irideus Gibbons). I. A. Berovik, M. V. Terent'eva. Dokl. AN BSSR 7 no. 10:714-715 O '63.

Interaction of certain microelements (manganese, molybdenum, cobalt) and ascorbic acid in the organism of albino rats [with summary in English]. A. M. Berenbaum. Ukr. biokhim. zhur. 34 no. 2 253-261 '62.

TRACERS (CHEMISTRY)

Ultrapure substances. I. P. Alimarin. Priroda 52 no. 6: 27-31 '63.

TRACHEA—EXPLORATION

Tracheobronchoscopy in tuberculosis. G. A. Ilizarova, F. I. Rodionova. Kaz. med. zhur. no. 2:12-15 Mr-Ap '63.

TRACHYBASALT see subdivision under Sayan Mountains

TRACTION ENGINES

News stories of the periodical "Ukraina." Ukraina no. 23 14 Je '61.

TRACTOR INDUSTRY

(see also subdivision under Loyang, China; Mogilev, Petrozavodsk; Volgograd)

Work of the designing organizations of the tractor and agricultural machine manufacture. K. S. Vydrin. Trakt. i sel'khozmash. 33 no. 3:1-2 Mr '63.

TRACTOR INDUSTRY—CONGRESSES

Coordinating conferences on the long-range plan for the design, construction and research work. V. G. Mel'nikov, G. A. Nikolaev. Trakt. i sel'khozmash. 33 no. 8 46-47 Ag '63.

TRACTOR INDUSTRY—PRODUCTION STANDARDS

Statistical control of the production quality in the tractor and agricultural machinery manufacture. K. S. Sivavakov. Trakt. i sel'khozmash. 33 no. 8:41-42 Ag '63.

TRACTOR TRAINS—VIBRATION

Photometric investigation of lateral vibrations of a tractor train. N. A. Vziatyshev. Avt. prom. 29 no. 8,16-18 Ag '63.

TRACTORS

(see also subdivision under Germany, West; Great Britain; Virgin Territory)

Effect of kinematic inadequacy on tractive indices of a tractor with four driving wheels. IU. I. IArmashevich. Izv. vys. ucheb. zav.; mashinostr. no. 9:156-168 '63.

TRACTORS (Continued)

Improving the operating efficiency of wheeled tractors in plowing. V. Safronov, Iu. Malyshev. Tekh. v sel'khoz. 23 no. 8 61-62 Ag '63.

Minskii traktornyi zavod. [The "Belarus'" MTZ-50 tractor] Traktor "Belarus'" MTZ-50, rukovodstvo po ekspluatatsii i ukhodu. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1964. 358 p. diagr.

Reinforced concrete loads for wheeled tractors. A. V. Eastrabnikh, P. S. Lukhin, I. D. Pevzner. Trakt. i sel'khozmash. 33 no. 7 41 Jl '63.

The SP-75 semimounted hitch. G. T. Miagkov. Trakt. i sel'khozmash. 33 no. 7 45-46 Jl '63.

Setting up standards for tractor work. G. Titov. Komm. 41 13. 3 no. 8:21-28 Ag '63.

TRACTORS—BRAKES

Selecting the correlation of braking forces on axles of a tractor and semitrailer. V. B. Gredeskul. Avt. prom. 29 no. 8 18-21 Ag '63.

TRACTORS—CATALOGS

Moskovskii avtomobil'nyi zavod. [Catalog of parts for the ZIL-130 and ZIL-130G two-axle motor trucks the ZIL-130A1 tractor, the ZIL-130V1 saddle tractor, the ZIL-MMZ-555 dump truck, and the ZIL-130D chassis for the ZIL-MMZ-554 dump truck] Katalog detalei dvukhosnykh avtomobilei ZIL-130 i ZIL-130G, avtomobilia-tiagacha ZIL-130A1, sedel'nogo tiagacha ZIL-130V1, avtomobilia-samosvala ZIL-MMZ-555 i shassi ZIL-130B dlia avtomobilia-samosvala ZIL-MMZ-554. Moskva, Mashgiz, 1963. 266 p.

_____ [Album of drawings] Al'bom figur. 80 p.

TRACTORS—DESIGN AND CONSTRUCTION

Observations on the project of possible tractor types. A. I. Mordkov. Trakt. i sel'khozmash. 33 no. 8 8-9 Ag '63.

Zaslin, S. G., and others. [Atlas of chassis designs for the GAZ-51A, GAZ-63, GAZ-63A motortrucks and GAZ-51P, GAZ-63P, GAZ-63D saddle tractors] Atlas konstruktsii shassi avtomobilei GAZ-51A, GAZ-63, GAZ-63A i sedel'nykh tiagachei GAZ-51P, GAZ-63P, GAZ-63D. Izd. 2., perer. i dop. [Leningrad] Mashgiz, 1963. 266 p.

TRACTORS—DYNAMICS

Remarks on the article by I. S. Kavtarov and B. M. Pozin, I. I. Karabanov. Trakt. i sel'khozmash. 33 no. 3:19-20 Mr '63.

Studying the dynamics of the O 61-class mountain tractor. I. A. Troshchinskii. Trakt. i sel'khozmash. 33 no. 5 15-18 My '63.

TRACTORS—ELECTRIC EQUIPMENT

Electric equipment of the DT-75 tractor. N. Kharchenko. Tekh. v sel'khoz. 23 no. 8 50-53 Ag '63.

TRACTORS—ENGINES

Experiments in the use of cast iron crankshafts in tractor diesel engines. G. V. Chaplygin, N. S. Gul', A. P. Chizhov. Trakt. i sel'khozmash. 33 no. 8 11-15 Ag '63.

Wear resistance of the engine elements of the T-75 and "ITZ-5MS high-speed tractors. F. A. Strudymov, V. P. Dladushko, A. Dvornikov. Trakt. i sel'khozmash. 33 no. 3:3-6 Mr '63.

TRACTORS—FUEL SYSTEMS

Determining the speed for mounting a valve. V. Iu. Vashtet', B. K. Balmuk. Trakt. i sel'khozmash. 33 no. 8 15-17 Ag '63.

Studying the TKR-11-2 turbocompressor. A. V. IAzik, D. M. Kel'shtein. Trakt. i sel'khozmash. 33 no. 8 12-14 Ag '63.

TRACTORS—HYDRAULIC EQUIPMENT

Investigating the traction component of the hydraulic motor in tractors. I. V. Ivanskii, V. I. Mininzon. Trakt. i sel'khozmash. 33 no. 8 9-12 Ag '63.

TRACTORS—LUBRICATION

Changing the oil in tractor engines. K. Pavlov. Tekh. v sel'khoz. 23 no. 8:82-86 Ag '63.

TRACTORS—MAINTENANCE AND REPAIR

Device for assembling and dismantling tractor sprockets. L. A. Odintsov. Trakt. i sel'khozmash. 33 no. 3 45 Mr '63.

Improve the technological efficiency of tractor repairing. N. D. Galushko. Trakt. i sel'khozmash. 33 no. 7, 5-6 Jl '63.

Prolong the life of tractors. I. Zikunov. Tekh. v sel'khoz. 23 no. 8 71-72 Ag '63.

Puller for bearings. N. Krutel', I. Emashev. Tekh. v sel'khoz. 23 no. 8, 89 Ag '63.

TRACTORS—SAFETY MEASURES

Improving work conditions for tractor operators. E. M. Mardel', L. P. Barsatov, A. I. Kholin. Trakt. i sel'khozmash. 33 no. 8, 17-20 Ag '63.

TRACTORS—TESTING
(see also subdivision under Great Britain)

Accelerated testing of the strength of tractors on a proving ground. S. S. Dmitrichenko and others. Trakt. i sel'khozmash. 33 no. 7 1-3 Jl '63.

Analytical determination of the optimal conditions of tractor work. M. I. Bagarov. Trakt. i sel'khozmash. 33 no. 7 14-11 Jl '63.

Determining the height of the center of gravity of a wheeled tractor with pneumatic tires. D. I. Mel'nikov. Visnyk sil'skogo hospodarskoi nauky 6 no. 4 28-30 Ap '63.

TRACTORS—TRANSMISSION DEVICES

Increasing the strength and durability of splined shafts. I. Sh. Svet. Trakt. i sel'khozmash. 33 no. 7 36-39 Jl '63.

TRADE UNIONS
(see also subdivision under Argentina, Austria, Bulgaria, Chile, Cyprus, Egypt, France, Leningrad, Rostov Province; Ukraine, Uruguay, Uzbekistan, Vilnius, Voronezh Province, White Russia)

At the frontier of heavy industry. T. Davtanov. Sov. profsoiuzy 19 no. 20 7 O '63.

At the sources of the plan. V. Shabashov, G. Ivannikov. Sov. profsoiuzy 19 no. 19 12-13 O '63.

Community participation. Okhr. truda i sots. strakh. 6 no. 10 32-33 O '63.

The Congress of Soviet Trade Unions. A. Voronov. Nov. vrem. 41 no. 45 13-15 N '63.

For united action on behalf of women workers. Liena Teodoresesu. Vsem. prof. dvizh. no. 10 30-33 O '63.

From congress to congress. N. N. Romanov. Okhr. truda i sots. strakh. 6 no. 10 1-5 O '63.

From Moscow residents to the forum of trade unions. S. Kiropov. Okhr. truda i sots. strakh. 6 no. 10 6-8 O '63.

How trade unions help to organize a mass movement of inventors and efficiency promoters. I. Raitses. Rad. pravo no. 1 93-96 Jl-Ag '63.

Legal forms of the participation of trade unions in the implementation of rules on liability for work injuries [with summary in English]. IU. N. IAvich. Vest. LGU 18 no. 17 105-109 '63.

Letters from the editor. Sov. profsoiuzy 19 no. 20 33 O '63.

Our friendship became a tradition. Benoit Franchon. Sov. profsoiuzy 19 no. 20 34-35 O '63.

Our laboring classes. Nov. vrem. 21 no. 11 1-2 N '63.

Readers relate, advise and criticize. Sov. profsoiuzy 19 no. 17 36-37 S '63.

Soviet trade unions are for unity. S. Andreev. Vsem. prof. dvizh. no. 10 28-29 O '63.

Trade unions and industry. G. Alekseev. Kommunist 10 no. 15 96-106 O '63.

Trip into the heroic years. L. Margolin. Sov. profsoiuzy 19 no. 17 28-30 S '63.

Two books on trade unions. G. K. Moskalenko. Sov. gos. i pravo 37 no. 10 155-157 O '63.

Under the banner of October. Okhr. truda i sots. strakh. 6 no. 11 1-2 N '63.

We have a common aim and friendship eternal as life. Stoian Gurov. Sov. profsoiuzy 19 no. 17 31-33 S '63.

Work program of trade-union organizations. Sots. obesp. 24 no. 10 1-3 O '63.

TRADE UNIONS—CONGRESSES

Following the Leninist principles. Sov. profsoiuzy 19 no. 19 1-3 O '63.

Important event in the life of Soviet trade unions. A. Bulgakov. Sov. profsoiuzy 19 no. 17 1-4 S '63.

The International Trade-Union Committee for Solidarity with the Workers and People of South Vietnam will assemble for its first meeting in Hanoi on October 20. Vsem. prof. dvizh. no. 10 13-14 O '63.

TRADE UNIONS—HANDBOOKS, MANUALS, ETC. see subdivision under Vladimir

TRADE UNIONS—OFFICERS
(see also subdivision under Kirsanov District; Mali, Polotsk, Zaporozh'ye Province)

Arm in arm. V. Lukin. Sov. profsoiuzy 19 no. 17 24-26 S '63.

Begin with the small. V. Zavadskii. Sov. profsoiuzy 19 no. 17 22-23 S '63.

Gift. E. Meshcheriakov. Sov. profsoiuzy 19 no. 19 14 O '63.

The heiress (sketch). S. Nikitin. Sov. profsoiuzy 19 no. 19 28-30 O '63.

[Stories about trade-union activists] Rasskazy o profsoiuznykh aktivistakh. Moskva, Profizdat, 1963. 79 p. (Bibliotechka profsoiuznogo aktivista, no. 14(62))

Their demands are justified. I. Malinovskii. Sov. profsoiuzy 19 no. 19 15 O '63.

A very active woman. IU. Falatov. Sov. profsoiuzy 19 no. 19, 31-32 O '63.

We are the bosses. D. Novitskii. Sov. profsoiuzy 19 no. 19 14-15 O '63.

TRADE UNIONS—STATISTICS

Trade Unions of the U. S. S. R. Sov. Soiuz no. 10 30-31 '63.

TRADE UNIONS, CATHOLIC see subdivision under Latin America

TRADEMARKS

[Bulletin on inventions and trademarks] Biul. izobr. i tov. znak. 10 nos. 16-19 Ag.-O '63.

TRAFFIC ACCIDENTS
(see also subdivision under Moscow)

Stop, red light! V. Chipchin. Za rul. 21 no. 8 13 Ag '63.

TRAFFIC ENGINEERING see subdivision under Moscow

TRAFFIC POLICE see subdivision under Moscow

TRAFFIC REGULATIONS

Dictated by life. Za rul. 21 no. 6 25 Je '63.

Dictated by life. Za rul. 21 no. 8 26 Ag '63.

In a fog. G. Solov'ev. Za rul. 21 no. 6 24 Je '63.

TRAFFIC REGULATIONS—STUDY AND TEACHING

It should be like this everywhere. V. Mikhailov. Za bezop. dvizh. 6 no. 10, 12 O '63.

TRAFFIC SAFETY
(see also subdivision under Bryansk, Moscow)

Organization and safety of traffic. Avt. transp. 41 no. 8 18-19 Ag '63.

TRAFFIC SIGNS AND SIGNALS

Blinking light. Za bezop. dvizh. 6 no. 10 7 O '63.

TRAFFIC VIOLATIONS

Let us try to prevent the violation of traffic laws. V. Tikhchenko. Rad. pravo no. 1 61-64 Jl.-Ag '63.

TRAINING OF ANIMALS see Animals, Training of

TRAINING OF EMPLOYEES see Employees, Training of

TRAKAI (TRAKAI DISTRICT)—DIVING, SUBMARINE

In the depths of Lake Galve. I. Zaletov. Voen. znan. 39 no. 10 34 O '63.

TRANSBAIKALIA—ARSENIC

Oxidation zone of lead-zinc and arsenic-lead-zinc deposits in eastern Transbaikalia. V. N. Dubinina and others. Trudy IGEM no. 83 577-606 '63.

TRANSBAIKALIA—ATMOSPHERIC TURBULENCE

Relationship between the types of synoptic processes and the upper tropospheric turbulence over Transbaikalia. V. P. Lominadze. Trudy IPil IGMI no. 10 113-116 '62.

TRANSBAIKALIA—BIBLIOGRAPHY

Chita. Oblastnaia biblioteka imeni A. S. Pushkina. [Transbaikalia, our dear region, aids for libraries' work with regional literature] Krai nash rodnoi - Zabaikal'e, v pomoshch' rabote bibliotek s kraevedcheskoi literaturoi. Chita, 1961. 63 p.
[MICROFILM]

TRANSBAIKALIA—COOPERATIVE SOCIETIES

Cooperators of the "Labor Union." S. Dneprovskii. Sov. potrebkoop. 7 no. 8:53-55 Ag '63.

TRANSBAIKALIA—FROZEN GROUND

Permafrost relief types of eastern Transbaikalia. G. S. Ananiev. Vest. Mosk. un. Ser. 5. Geog. 18 no. 6:63-66 N-D '63.

TRANSBAIKALIA—GEOLOGY, STRUCTURAL

Intrusive complexes of Transbaikalia and tectonic conditions governing their formation. N. I. Tikhomirov. Trudy VSEGEI 85:137-147 '63.

TRANSBAIKALIA—GOLD ORES

Lead-zinc mineralization in gold ore deposits of eastern Transbaikalia. D. A. Timofeevskii. Trudy IGEM no. 83 445-467 '63.

Lead-zinc mineralization in molybdenum deposits of eastern Transbaikalia. A. V. Druzhinin, N. D. Tikhonov, V. N. Zuev. Trudy IGEM no. 83 505-522 '63.

TRANSBAIKALIA—LEAD ORES

Geochemical and geophysical studies in prospecting for lead-zinc deposits in eastern Transbaikalia. O. A. Savadskii, A. E. Savadskaia. Trudy IGEM no. 83, 609-629 '63.

Hydrothermally altered wall rocks of lead-zinc deposits in eastern Transbaikalia. V. S. Kormilitsyn. Trudy IGEM no. 83, 551-576 '63.

Lead-zinc mineralization in gold ore deposits of eastern Transbaikalia. D. A. Timofeevskii. Trudy IGEM no. 83, 445-467 '63.

Lead-zinc mineralization in molybdenum deposits of eastern Transbaikalia. A. V. Druzhinin, N. D. Tikhonov, V. N. Zuev. Trudy IGEM no. 83:505-522 '63.

Methods of prospecting for lead-zinc deposits in eastern Transbaikalia. B. P. Sanin, M. A. Sviraskii. Trudy IGEM no. 83 630-639 '63.

Oxidation zone of lead-zinc and arsenic-lead-zinc deposits in the eastern Transbaikalia. V. N. Dubinina and others. Trudy IGEM no. 83 577-606 '63.

Position of lead-zinc mineralization in the general metallogenic plan of Transbaikalia. E. A. Radkevich. Trudy IGEM no. 83 525-528 '63.

Some problems of the genesis and characteristics of the distribution of lead-zinc deposits in eastern Transbaikalia. Trudy IGEM no. 83 529-540 '63.

TRANSBAIKALIA—LITHIUM

Geochemistry of lithium in the processes of postigneous metasomatism. A. A. Beus. Trudy IMGRE no. 7 50-59 '61.

TRANSBAIKALIA—ORE DEPOSITS

Lead-zinc mineralization in some cassiterite-quartz-sulfide deposits of eastern Transbaikalia. E. I. Dolomanova. Trudy IGEM no. 83 468-504 '63.

TRANSBAIKALIA—PROSPECTING

Methods of prospecting for lead-zinc deposits in eastern Transbaikalia. B. P. Sanin, M. A. Sviraskii. Trudy IGEM no. 83 630-638 '63.

TRANSBAIKALIA—PROSPECTING—GEOPHYSICAL METHODS

Geochemical and geophysical studies in prospecting for lead-zinc deposits in eastern Transbaikalia. O. A. Savadskii, A. F. Savadskaia. Trudy IGEM no. 83 609-629 '63.

TRANSBAIKALIA—SOIL MOISTURE

Dependence of the creek valley soil temperature of Transbaikalia on their humidity. N. A. Shpolianskaia, L. M. Verkhotsova. Vest. Mosk. un. Ser. 5 Geog. 18 no. 6 50-56 N-D '63.

TRANSBAIKALIA—SOIL TEMPERATURE

Dependence of the creek valley soil temperature of Transbaikalia on their humidity. N. A. Shpolianskaia, L. M. Verkhotsova. Vest. Mosk. un. Ser. 5 Geog. 18 no. 6 50-56 N-D '63.

TRANSBAIKALIA—VALLEYS

Valley occurrence conditions in the mountain taiga part of central Transbaikalia. N. N. Karpov, Iu. V. Mudrov, V. P. Fedorov. Vest. Mosk. un. Ser. 5 Geog. 18 no. 6 92-94 N-D '63.

TRANSBAIKALIA—ZINC ORES

Geochemical and geophysical studies in prospecting for lead-zinc deposits in eastern Transbaikalia. O. A. Savadskii, A. F. Savadskaia. Trudy IGEM no. 83.609-629 '63.

Hydrothermally altered wall rocks of lead-zinc deposits in eastern Transbaikalia. V. S. Kormilitsyn. Trudy IGEM no. 83 551-576 '63.

Lead-zinc mineralization in gold ore deposits of eastern Transbaikalia. D. A. Timofeevskii. Trudy IGEM no. 83 445-467 '63.

Lead-zinc mineralization in molybdenum deposits of eastern Transbaikalia. A. V. Druzhinin, N. D. Tikhonov, V. N. Zuev. Trudy IGEM no. 83.505-522 '63.

Methods of prospecting for lead-zinc deposits in eastern Transbaikalia. B. P. Sanin, M. A. Sviraskii. Trudy IGEM no. 83 630-638 '63.

Oxidation zone of lead-zinc and arsenic-lead-zinc deposits in eastern Transbaikalia. V. N. Dubinina and others. Trudy IGEM no. 83 577-606 '63.

Position of lead-zinc mineralization in the general metallogenic plan of Transbaikalia. E. A. Radkevich. Trudy IGEM no. 83 525-528 '63.

Some problems of the genesis and characteristics of the distribution of lead-zinc deposits in eastern Transbaikalia. Trudy IGEM no. 83.529-540 '63.

TRANSCARPATHIA—GEOLOGY, STRATIGRAPHIC

Lower and middle Miocene stratigraphy of the Transcarpathian Depression. M. I. Petrashkevych, A. I. Huridov. Dop. AN URSR no. 12 1629-1633 '61.

TRANSCARPATHIA—METACINNABAR

Genesis of metacinnabarite from Transcarpathia. B. V. Merlich. Geol. rud. mestorozh. 5 no. 5 95-99 S-O '63.

TRANSCAUCASIA—HELMINTHOLOGY

Nauchnaia sessiia gel'mintologov respublik Zakavkaz'ia po voprosam gel'mintofauny i bor'by s gel'mintozami cheloveka, sel'skokhoziaistvennykh zhivotnykh i rastenii, Tbilisi, 1961. [Materials of the Scientific Session of Helminthologists of the Transcaucasian Republics on Problems of Helminthofauna and Control of Helminthiasis in Man, Farm Animals and Plants] Materialy, Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 220 p.

TRANSCAUCASIA—LABOR AND LABORING CLASSES

Arutiunov, G. A. [The labor movement in Transcaucasia during the period of the new revolutionary upsurge] Rabochee dvizhenie v Zakavkaz'e v period novogo revoliutsionnogo pod"ema, 1910-1914 gg. Moskva, Akad. nauk SSSR, 1963. 461 p. (MH)

TRANSCAUCASIA—PHYSICAL THERAPY—CONGRESSES

Joint scientific session of the institutes of health resort treatment and physiotherapy of the Azerbaijan, Armenian and Georgian Soviet Socialist Republics. Vop. kurortol. i fizioter. i lech. fiz. kult. 27 no. 1 378-381 Ja-Ag '62.

TRANSCAUCASIA—RAILROADS

Potentials for the acceleration of car turnover put into action. G. I. Kadagidze. Zhel. dor. transp. 45 no. 10, 3-7 O '63.

TRANSDUCERS

Calculation of the permeance of an inductive transducer with complex configuration. Z. T. Tikhomirova, V. P. Bukhgolts. Elektrichestvo no. 11 72-75 N '63.

Savenko, V. G. [Application of the Hall effect in telecommunication] Primenenie effekta Kholla v tekhnike sviazi. Moskva, Sviaz'izdat, 1963. 112 p.

Semiconductor diode and transistor temperature pickups. I. L. Rotbert, N. P. Udalov. Priborostroenie no. 10 1-3 O '63.

TRANSFORMATIONS (MATHEMATICS)

Conformal transformations of cornered regions, and the differential properties of the solutions to Poisson's equation in cornered regions. V. V. Lufaev. Dokl. AN SSSR 152 no. 4:838-840 O '63.

Linear physical systems linked with the outer world by communication channels. M. S. Livshits. Izv. AN SSSR Ser. mat. 27 no. 5:993-1030 S-O '63.

TRANSIENTS (ELECTRICITY)

Approximate calculation of transients in electrical systems during the change in generator speed. Khe IAn-tszan', (He Yang-tsan). Izv. vys. uchebn. zav., energ. 6 no. 6 7-11 Je '63.

Engineering semigraphical methods for calculating transients in nonlinear electrical networks. V. G. Tabachnikii. Sbor. trud. LIIZHT no. 179 107-115 '61.

TRANSISTOR AMPLIFIERS

Analysis of an automatic gain control network using a transistor diode. V. G. Korol'kov. Trudy VNAIZ no. 10 65-70 '62.

Automatic low-frequency gain control circuit using a transistor diode. G. I. Ivanov, L. G. Lishin. Trudy VNAIZ no. 10, 58-64 '62.

Design of a selective transistor amplifier with a double T-type bridge in the feedback circuit. E. A. Malakhov. Sbor. trud. LIIZHT no. 179 126-132 '61.

Transistor low-frequency amplifiers. I. Vasil'kevich. Radio no. 10 45-47 O '63.

TRANSISTOR CIRCUITS

Gorasimov, S. M., I. N. Migulin, and V. N. IAkovlev. [Fundamentals of the theory and design of transistor circuits] Osnovy teorii i rascheta tranzistornykh skhem. Moskva, Izd-vo "Sovetskoe radio," 1963. 663 p.

TRANSISTOR OSCILLATORS see Oscillators, Transistor

TRANSISTOR RADIOS

Receivers with "earth" battery power supply. V. Nogin, P. Usov. Radio no. 10 48-49, 50 O '63.

"TsS-2" and "TsS-3" pocket radios. A. Perelygin. V pom. radiolyub. no. 14:3-7 '63.

Through the pages of foreign magazines. Radio no. 10 60-61 O '63.

Variable condenser of the "Primorets" pocket radio. L. Markosov. V pom. radiolyub. no. 14:63-66 '63.

TRANSISTORS

Bruk, V. A., V. V. Garshenin, and A. I. Kuznosov. [Manufacture of transistor devices] Proizvodstvo poluprovodnikovykh priborov. Moskva, Profitekhizdat, 1963. 295 p.

Chudnovskii, A. F. [Use of transistors in agriculture] Primenenie poluprovodnikov v sel'skom khoziaistve. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1963. 47 p. (Seriia: "Poluprovodniki," no. 14)

Device for measuring the parameters of transistors. B. Vishnevetskii. V pom. radiolyub. no. 14 19-26 '63.

Ilisavskii, IU. V. [Transistor tensiometers] Poluprovodnikovye tenzometry. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1963. 40 p. (Seriia: "Poluprovodniki," no. 6)

TRANSISTORS—MODELS

Modeling of semiconductor devices. A. D. Shinkov. Elektrichestvo no. 11, 40-44 N '63.

TRANSISTORS—TESTING

Orlov, A. A., and V. V. IAkovlev. [Simple transistor testers] Prostеishie izmeritel'nye pribory dlia proverki tranzistorov. Moskva, Gosenergoizdat, 1963. 64 p. (Massovaia radiobibliotek, no. 477)

TRANSITION METALS

Determining the number of 3d-electrons in transition metals. A. T. Shuvaev, V. F. Demekhin. Fiz. met. i metalloved. 16 no. 6, 912-913 D '63.

Homogeneity concentration areas of the IV and V transition metals with a NaCl structure. V. N. [illegible], P. V. Gel'd. Fiz. met. i metalloved. 16 no. 3 [illegible] S '63.

Shielding of Me-Me bonds in equiatomic transition metal oxides and carbides with a NaCl structure. V. N. TSkhai, P. V. Gel'd. Fiz. met. i metalloved. 16 no. 3, 483-491 S '63.

TRANSLATING AND INTERPRETING

European Translation Center. K. P. Mikhaevskaia. Vest. AN SSSR no. 7 37-38 '63.

Organization of translation work in the "Gidrospetsstroi" Institute. D. P. Maliarenko. NTI no. 2 16-19 '63.

V. E. Kubitskii's article and the problem of [illegible] translation work. V. O. Belogorskii. NTI no. 2 [illegible] '63.

TRANSLATING MACHINES

Retrieval of information in a dictionary model based on the pressed code method. K. I. Bardukov, R. H. [illegible]. NTI no. 2 16-19 '63.

TRANSPORTATION

(see also subdivision under Russia, Northern)

Automatic control of hauling operations in transportation using electronic computer techniques. A. P. [illegible]. Izv. AN SSSR, Energ. i transp. no. 5 61-[illegible] '63.

Conference on scientific problems of the development of transportation in the U. S. S. R. I. I. Kuzin, A. B. [illegible], B. A. Zav'ialov. Izv. AN SSSR Energ. i transp. no. 5 659-664 S-O '63.

Development of a consolidated transportation network for the U. S. S. R. A. V. Gorinov. Izv. AN SSSR, Energ. i transp. no. 5:563-575 S-O '63.

Marine transport as a basic link of the consolidated transportation network of the U. S. S. R. G. A. Filaretskii. Izv. AN SSSR, Energ. i transp. no. 5 [illegible] '63.

Milen'kii, V. D. [Designs and estimates in the construction of means of transportation] Proekty i smety v transportnom stroitel'stve. Moskva, Transzheldorizdat, 1963. 58 p. (V pomoshch' izuchaiushchim kalkuliatsiiu ekonomiku)

Principal trends in the development of transportation. L. P. Chertkov. Izv. AN SSSR, Energ. i transp. no. 5 576-580 S-O '63.

Technological progress in the development of transport means. B. I. Levin. Izv. AN SSSR, Energ. i transp. no. 5 505-508 S-O '63.

TRANSPORTATION—ABSTRACTS

[Container shipments and the interaction of various types of transportation] Ref. zhur.: Vzaimodeistv. raz. vidov transp. i kont. perev. no. 11 N '63.

[Industrial transportation] Ref. zhur.: Prom. transp. no. 11 N '63.

TRANSPORTATION—COLD WEATHER CONDITIONS

Particulars for transporting pipes and other [illegible] winter conditions. L. F. Smiftuk. Stroi. truboprov. no. 9:3 S '63.

TRANSPORTATION—FREIGHT AND FREIGHTAGE (see subdivision under Karelia)

TRANSPORTATION—STATISTICS

Uniform statistical indicators of the work of different means of transportation [with summary in English] I. V. Sipovskaia. Vest. MGU 18 no. 17, 45-54 '63.

TRANSPORTATION, ATOMIC-POWERED

Ermakov, A. P., and A. G. Syrnaal. [Atomic energy and transportation] Atomnaia energiia i transport. Izd-vo Akad. nauk SSSR, 1963. 149 p. (Akademiia nauk SSSR. Nauchno-populiarnaia seriia)

TRANSPORTATION, AUTOMOTIVE

(see also subdivision under Krasnodar Territory, Kuybyshev Province; Moscow; Rucha-Lechkhumi, Stupino)

All efforts should be put into the fulfillment of this fifth year program of the seven-year plan. Avt. transp. 41 no. 8:1-4 Ag '63.

Exchange of experience. Avt. transp. 41 no. 8 53-54 Ag '63.

Information. Avt. transp. 41 no. 8:55-56 Ag '63.

Operational requirements of work automation in motor vehicle transportation. M. D. Blatnov. Izv. AN SSSR, Energ. i transp. no. 5:640-651 S-O '63.

Outline of long-distance motor vehicle roads. P. P. Vrikanov. Izv. AN SSSR, Energ. i transp. no. 5:514-526 S-O '63.

TRANSPORTATION, AUTOMOTIVE (Continued)

Present state and prospects of using mathematical techniques in planning automotive transportation. B. L. Geronimus. Izv. AN SSSR Energ. i transp. no. 5 652-655 S-O '63.

Readers' letters. Avt. transp. 41 no. 8:51-52 Ag '63.

TRANSPORTATION, AUTOMOTIVE—BIBLIOGRAPHY see Bibliography—Transportation, Automotive

TRANSPORTATION, AUTOMOTIVE—LABOR PRODUCTIVITY

Time determines labor productivity. V. Mizinov. Avt. transp. 41 no. 8 1-1 Ag '63.

TRANSPORTATION, AUTOMOTIVE—MANAGEMENT

Basic problems in the improvement of planning. I. Veitkovskii. Avt. transp. 41 no. 8 32-35 Ag '63.

Development of an economic and technical base for automotive transportation. A. Shemin. Avt. transp. 41 no. 8 19-21 Ag '63.

TRANSPORTATION, AUTOMOTIVE—TECHNOLOGICAL INNOVATIONS

Answering questions of inventors and innovators. Avt. transp. 41 no. 8 10-11, 50 Ag '63.

TRANSPORTATION, MILITARY

Application of the analytical computation methods used in establishing sea transportation plans. E. G. IAgunov. Mor. sbor. 47 no. 11:30-35 N '63.

TRAUMATISM see subdivision under Kishinev, Oboyan' District

TRAVEL

From Irkutsk to Moscow on a "Viatka" motor scooter A. Didrikh. Za rul. 21 no. 6 27 Je '63.

TRAVERTINE

[In this book are given the answers to the questions 1. Are there intelligent beings on other planets? 2. What significance has the Kuban-Kalaus Irigation and Water Supply System for Stavropol? 3. What is travertine? How is it formed and for what purposes is it used?] V etoi knige dany otvety na voprosy. 1. Est' li razumnye sushchestva na drugikh planetakh? 2. Kakoe znachenie imeet dlia Stavropolia? Kuban'-Kalausskaia obvodnitel'no-orositel'naia sistema? 3. Chto takoe travertin, kak on obrazuetsia i v chem ego poleznost'? [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1960. 32 p. (Sprashivai - otvechaem)

[MICROFILM]

TRAWLS AND TRAWLING

(see also subdivision under Kiev; Okhotsk, Sea of)

Determination of the diameter of circling according to the depth and the use of a certain type of circling for paying out the travl at the desired depth. A. I. Semenov. Ryb. khoz. 38 no. 11:38-41 '62.

TREBON, CZECHOSLOVAKIA—ALTARS

The Trebon Altar. E. IUvalova. Iskusstvo 26 no. 9: 59-66 '63.

TREE PLANTING

Plant a tree. B. Alekseandrov. Semlia i shkola 18 no. 10:45 O '63.

TREE PLANTING—EQUIPMENT AND SUPPLIES

The KlaSh-60 plant hole digger. R. S. Sultanov. Trakt. i sel'khozmash. 33 no. 7 34 Jl '63.

TREES

Fructification and range. V. I. Dolgoshov. Priroda 52 no. 9:127 '63.

TREES IN WINTER see subdivision under Ukraine

TREMATODA

Infestation of carp by Sanguinicola intermis Plehn in different seasons of the year. A. M. Naumova. Dokl. TSKHA no. 89:211-219 '61.

TRENCH DIGGING MACHINES see subdivision under Usturi

TRENCH DIGGING MACHINES—TESTING

Determining tractive forces of a trench digger for digging narrow trenches. I. L. TSipurskii. Stroi. truboprov. 8 no. 9:13-15 S '63.

TRESHKOVA, VALENTINA VLADIMIROVNA, 1937-

First woman astronaut appeals to our readers. Vsem. prof. dvizh. no. 10:36 O '63.

TRESTLES

Reinforced concrete single-stage trestles for process piping. Biul. stroi. tekh. 20 no. 9:13-16 Ag '63.

TRET'IAKOV, SERGEI MIKHAILOVICH, 1892-

Books return to the formation. P. Krasnov, V. Shevelev. Nov. mir 39 no. 2:264-267 F '63.

TRIALS (ESPIONAGE)

[Trail of O. V. Pen'kovskii, Soviet citizen, and an agent of the English and American intelligence services, and G. M. Wynne, the spy-conspirator, a citizen of Great Britain, May 7-11, 1963] Sudebnyi protsess po ugolovnomu delu agenta angliiskoi i amerikanskoi razvedok grazhdanina SSSR Pen'kovskogo O. V. i shpiona-sviaznika poddannogo Velikobritanii Vinna G. M. 7-11 Maia 1963 goda Moskva, Politizdat, 1963. 318 p.

TRIALS (MURDER) see subdivision under Canada

TRIAZINE

Stimulation of photosynthesis and the Hill reaction in the leaves of corn grown from seeds treated with simazine and atrazine. S. M. Mashtakov, R. A. Prokhorchik. Dokl. AN BSSR 7 no. 10 700-703 O '63.

TRIAZOLE

Condensed heterocycles. Part 3. Condensation of 3-amino-1, 2, 4-triazole with some β-ketocarboxylic esters. IA. A. Levin, N. A. Gul'kina, V. A. Kukhtin. Zhur. ob. khim. 33 no. 8, 2673-2677 Ag '63.

Condensed heterocycles. Part 4. Condensation of 3-amino-1, 2, 4-triazoles with diaceto- and dipropionitriles IA. A. Levin, V. A. Kukhtin. Zhur. ob. khim. 33 no. 8, 2678-2682 Ag '63.

TRICHINA AND TRICHINOSIS

Differential diagnosis in some parasitic diseases (sarcosporidiosis and trichinelliasis). G. G. Tiniakova. Shor. stud. rab. MTIMMP no. 7:80-84 '62.

TRICHOMONIASIS

Terminology of diseases caused by Trichomonas vaginalis. B. A. Teokharov. Vest. derm. i ven. 36 no. 10:62 O '62.

TRIODES

Distortions in the delay curves for three-electrode analyzers caused by the grids. A. M. Titutikov, IU. A. Shapiro. Zhur. tekh. fiz. 33 no. 10 1265-1273 O '63.

TRIPHENYLMETHANE DYES

Thermodynamics of the extraction of ionic associates as exemplified by the extraction of triphenylmethane dye salts. K. S. Krasnov, F. D. Kashirina, K. B. IAtsimirskii. Trudy Kom. anal. khim. 14 59-75 '63.

TRITIUM

Angular distribution of recoil nuclei in the reaction $\mu^- + He^3 \rightarrow H^3 + \nu$ (with summary in English). G. IA. Korenman, R. A. Eramzhian. Zhur. eksp. i teor. fiz. 45 no. 4 1111-1113 O '63.

TROLLEY BUSES see subdivision under Alma-Ata

TROLLEY BUSES—MAINTENANCE AND REPAIR

Increasing the period between inspections for trolley buses. V. Popov. Zhil.-kom. khoz. 11 no. 12 29-30 D '61.

TROPICAL PLANTS see subdivision under Tapa Shan

TROPICS

Aridity of the western coasts of continents in tropical and subtropical latitudes. A. K. Artanova. Vest. Mosk. un. Ser. 5. Geog. 18 no. 5 75-78 S-O '63.

Seasonal phenomena in the plankton of the world ocean. Report No. 2: Seasonal phenomena in the plankton of low latitudes. A. K. Geintits Okeanologiia 1 no. 3:495-497 '61.

TROUT

Content of some microelements in the roe of the rainbow trout (Salmo irideus Gibbons). E. A. Borovik, M. V. Torent'eva. Dokl. AN BSSR 7 no. 10.714-715 O '63.

TRUCK DRIVERS

Following up published articles. Za rul. 21 no. 6:20 Ag '63.

Hero of labor. A. Babyshev. Za rul. 21 no. 8:7 Ag '63.

TRUCK TRAILERS

The CHMZAP-5630 trailer. IU. A. IAchin, P. D. Sheinin. Mekh. stroi. 20 no. 8 23-25 Ag '63.

TRUCK TRAILERS—BRAKES

Testing electropneumatic drives for brakes of heavy trailers. V. A. Zhestkov. Avt. prom. 29 no. 8 22-24 Ag '63.

TRUSSES

Stability of trusses. V. I. Klimanov. Trudy Ural. politekh. inst. no. 102, 43-55 '61.

TRUSTS, INDUSTRIAL see subdivision under Egypt; Germany, West

TRYOSINE

Synthesis of 2-nitro-4-methoxyphenylalanine (methyl ether of 2-nitrotyrosine). I. Kostov, I. Ambrush. Zhur. ob. khim. 33 no. 9:2792-2793 Ag '63.

TRYPAN BLUE

Discussion of the trypan blue skin test (Leshchinskii-Kavetskii's test), abstract. M. S. Shneider. Kaz. med zhur. no. 1, 105 Ja-F '61.

TRYPTOPHAN

Change of tyrosine, tryptophan and histidine under the action of ionizing and light radiation [with summary in English]. M. A. Kolomiichenko. Ukr. biokhim. zhur. 34 no. 2 217-220 '62.

TSELINNYY KRAY see Virgin Territory

TSELINOGRAD DISTRICT—FLEA BEETLES

Materials on the ecology of the striped grain flea beetle (Phyllotreta vittula Redt.). N. E. Svetlichnyi. Trudy Kaz. NIIZR 7 383-401 '62.

TSELINOGRAD DISTRICT—GRAMINEAE—DISEASES AND PESTS

Materials on the ecology of the striped grain flea beetle (Phyllotreta vittula Redt.). N. E. Svetlichnyi. Trudy Kaz. NIIZR 7 383-401 '62.

TSELINOGRAD PROVINCE—CUTWORMS

Harmfulness of the cutworm Hadena solida. K. A. Slivkina. Trudy Kaz. NIIZR 7:78-82 '62.

TSELINOGRAD PROVINCE—WHEAT—DISEASES AND PESTS

Harmfulness of the cutworm Hedena solida. K. A. Slivkina. Trudy Kaz. NIIZR 7:78-82 '62.

TUARKYR REGION—CLAY—ANALYSIS

X-ray examination of the mineralogical composition and genesis of clays in the variegated and lower coal-bearing series of the Tuar-Kyr region. N. S. TSupelev, A. I. Trubin. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk i nefti no. 3:59-69 '63.

TUBERCULIN

Treatment of tuberculosis with Koch's tuberculin (1890-1891) and its criticism by Kazan physicians. N. I. Zhuchkova. Kaz. med. zhur. no. 2:82-84 Mr-Ap '63.

TUBERCULIN—TESTING

Study of the effectiveness of antituberculosis vaccination in young persons with a positive reaction to tuberculin. E. P. Averina. Kaz. med. zhur. no. 2:15-18 Mr-Ap '63.

Subcutaneous Koch tuberculin test in the differential diagnosis of tuberculosis. R. I. Slepova. Kaz. med. zhur. no. 2, 8-12 Mr-Ap '63.

TUBERCULOSIS

(see also subdivision under Tatar A. S. S. R.)

Cases of thoracoscopy and thoracocautery in pulmonary tuberculosis. I. Z. Sigal. Kaz. med. zhur. no. 1:29-33 Ja-F '61.

Changes in some indices of external respiration under the influence of aminazine and a neuroplegic mixture in pulmonary tuberculosis. S. S. Rytvinskii. Kaz. med. zhur. no. 2:28-33 Mr-Ap '63.

Dynamic observation of tuberculomas of the lungs under dispensary conditions. G. B. Mirinov. Kaz. med. zhur. no. 2:18-21 Mr-Ap '63.

Measures for the further improvement of antituberculosis treatment for the population of the R. S. F. S. R. and decrease in the incidence of tuberculosis. V. S. Tekunov. Zdrav. Ros. Feder. 7 no. 10 43-44 O '63.

Pathology of the kidneys in tuberculosis, autopsy findings. V. I. Braude. Arkh. pat. no. 2 47-53 '63.

Tracheobronchoscopy in tuberculosis. G. A. Eliseeva, L. I. Rodionova. Kaz. med. zhur. no. 2:12-15 Mr-Ap '63.

TUBERCULOSIS IN ANIMALS

Tuberculin reactions under a varying duration of tuberculosis and their comparative evaluation. I. A. Tverdokhlebov. Veterinariia 37 no. 2:24-26 F '60.

TUBERCULOSIS IN POULTRY

Evaluation of the specificity of standard allergens in the diagnosis of tuberculosis in hens. A. IA. Fomina, A. V. Akulov, L. IA. Shishkina. Veterinariia 37 no. 2:28-30 F '60.

Experimentally induced tuberculosis in young chickens. N. B. Ovanesova. Trudy Mosk. vet. akad. 12:149-156 '56.

Role of the nervous system in the allergic reaction in chickens with tuberculosis. N. B. Ovanesova. Trudy Mosk. vet. akad. 12:138-148 '56.

TUBEROUS SCLEROSIS

Clinical aspects and histopathology of tuberous sclerosis [with summary in French]. IU. S. Savenko, B. S. Kniter. Zhur. nevr. i psikh. 63 no. 2:207-212 '63.

TUGBOATS

Habor distributor tugboat of the type "Kosmos" ["Cosmos"]. V. F. Kozin, A. M. Minevich. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 12 39-46 '62.

TUKUMS—CIVIL DEFENSE

Visually and instructively. I Ivannikov. Voen. znan. 39 no.10 26-27 O '63

TULA PROVINCE—JUSTICE, ADMINISTRATION OF

New shock brigades of governmental agencies and public-service organizations inspect the administration of justice. V Pilugin. Sov. just. no.19 6-8 O '63.

TULA PROVINCE—STRIP MINING

"[illegible]." V. V. Gridchin. Gor. zhur. no.10,69 O '63

TULA PROVINCE—SWINE HOUSES AND EQUIPMENT

A mechanized swine fattening house for each farm. L Tavrushin, A Kalinin. Tekh v sel'khoz 23 no.8 31-32 Ag '63.

TULAREMIA
(see also subdivision under Altai Territory, Kemerovo Province)

Outbreak of tularemia spread through water. B M Brikman. Trudy TomskIVS 12 59-60 '60

TUMORS

Detection of ascorbic acid in the cells of rheumatic granuloma. R A Simakova. Nauch. inform Otd nauch med inform AMN SSSR no 1 10 '61.

TUNGSTATE CRYSTALS

Preparation and structure of some tungstates of the type M_3WO_6. I. N. Bellaev, V. S. Filip'ev, E. G Fesenko Zhur. strukt khim. 4 no.5;719-723 S-O '63

TUNGSTEN see subdivision under Searles Lake region

TUNGSTEN CATALYSTS

Analytical investigations of tungsten catalysts of hydrogenation. E. I. Uvorova. Khim. i tekh. topl. i masel 8 no.9 39-41 S '63

TUNGSTEN ISOTOPES

Nature of highly excited levels in W^{182} [with summary in English]. S V. Starodubtsev., R. B. Begzhanov, S. L. Rabovitskii. Zhur. eksp. i teor. fiz. 45 no.4 921-926 O '63.

New neutron-deficient tungsten isotopes. T V Malysheva and others. Izv. AN SSSR. Ser. fiz. 27 no.10 1264-1266 O '63.

TUNGSTEN ISOTOPES—SPECTRA

Radiations from W^{187} and $Tl^{200}W^{187}$ (T = 24 hrs). K A. Baskova and others. Izv. AN SSSR. Ser. fiz. 27 no.10 1258-1260 O '63.

TUNGSTEN PLATING

Determination of gold in tungsten-based platings by means of variamine blue [with summary in English] I S Mustafin, N. S. Frumina, L. A. Agranovskaia. Zhur anal khim. 18 no 9 1054-1058 S '63.

Polarization during simultaneous electrodeposition of tungsten with other metals. A. T. Vas'ko. Ukr khim. zhur. 29 no.8 878-880 '63.

TUNGUS LANGUAGE—DIALECTS

Akademiia nauk SSSR. IAkutskii filial, Yakutsk. Institut iazyka, literatury i istorii. [Dialectological materials on the dialects of the Evenki in the Yakut A. S. S R.] Dialektologicheskie materialy po govoram evenkov IAkutskoi ASSR. Moskva, Akad. nauk SSSR. Vol. I. 1962.
(MH)

TUNGUSKA BASIN—CONIFERAE, FOSSIL

Coniferae in the Permian of the Tunguska Basin. E. S. Rasskazova. Sbor. st. po paleont. i biostrat. no. 31 73-78 '63.

TUNISIA—HISTORY—SOURCES

Russian archival materials and the information of the Russian press on the French invasion of Tunisia in 1881. G. A. Nersesov. Afr. sbor. no. 1;170-230 '63.

TUNISIA—SOCIAL CONDITIONS

Khamadi's first dream. Galina Shergova. Ogonek 41 no.36:26-27 S '63.

TUNNELS see subdivision under English Channel; Germany, West; Kyushu, Suram Pass

TUPOLEV, ANDREI NIKOLAEVICH, 1888-

Creator of winged giants. A. Arkhangel'skii. Kryl. rod. 14 no.11-8-11 N '63.

TURBINES

Experimental determination of the local values of heat transfer coefficients in turbines [with summary in English]. I. V. Il'inskii, I. D. Garkusha. Inzh.-fiz. zhur. 6 no.11:3-8 N '63.

Principal trends in the improvement of the efficiency of turbine systems. V. E. Doroshchuk. Energetik 11 no.10 1-4 O '63.

TURBINES—ABSTRACTS

[Turbine manufacture] Ref. zhur.: Turbostr. no.11 N '63.

TURBINES—TECHNOLOGICAL INNOVATIONS see subdivision under Minsk

TURBODRILLS

Aleksandrov, M. A. [Economic aspects of the use of turbodrills] Ekonomika ekspluatatsii turboburov. Moskva, Gostoptekhizdat, 1963 84 p.

TURBOGENERATORS

Asynchronous mode of operation of a TV2-150-2 turbogenerator and its connection in a power distribution network using a self-synchronization technique. N. A. Savogin, V. A. Osinenko, A. P Germanov. Elek. sta. 34 no.8 66-67 Ag '63.

Effectiveness of the high-speed action of the excitation systems and conditions of automatic voltage regulation of large turbogenerators. V. E. Kashtelian, I. A. Glebov, G. R. Gertsberg. Elektrichestvo no.10 22-31 O '63.

Experimental determination of the frequency characteristics of turbogenerators. E. IA. Kazovskii, G. G. Rogozin. Elektrichestvo no.10 14-22 O '63.

Review of B N Tarasov's book "General geometry of the hydrogenerators of operational hydroelectric power stations." G. K. Zherve, V. V Dombrovskii. Elektrichestvo no.11 90-92 N '63.

Use of analog computers in studying the parallel operation of large turbogenerators. N. I. Sokolov, IU. E. Gurevich, Z. G. Khvoshchinskaia. Elektrichestvo no.10 5-13 O '63.

TURBOGENERATORS—TESTING

Results of testing TVF-200-2 turbogenerators. A. M. Ufimtsev. Elek. sta. 34 no.8;67-69 Ag '63.

TURBOGENERATORS—VIBRATION

Vibration of the rotors of turbogenerators with flexible frames. V. M. Fridman and others. Elektrotekhnika 34 no.10 47-51 O '63.

TURBOMACHINES

Concerning V. V. Pak's article "Distribution of velocities in the interblade channel of the runner of a centrifugal turbomachine." D. IA. Aleksapol'skii. Izv. vys. ucheb. zav., energ. 6 no.6:132 Je '63.

Investigating the pressure charging system of the D50 engine in connection with the increase of its power (up to 1200 h. p.). A. A. Kuritz, G. N. Zaslavskii. Sbor. nauch st. KHIIT no.63 13-20 '62.

Letter to the editor. V. V. Pak. Izv. vys. ucheb. zav.; energ. 6 no.6:133 Je '63.

Reply to the article "Ventilation of open pits with a turbojet engine" by B. A. Semenenko, O. A. Bognevskii and V. G. Kibal'nikov. A. V. IAgupov. Gor. zhur. no.10:75-76 O '63.

TURBULENCE

Coordination of the available experimental evidence on the spectrum and asymmetry of locally isotropic turbulence. *R. W. Stewart. Dokl. AN SSSR* 152 no.3:324-326 S '63.

Determination of correlations in a locally isotropic turbulent flow. G. S. Golitsyn. Prikl mat i mekh. 27 no.1:61-74 Ja-F '63.

Determining the coefficient of longitudinal turbulent diffusion in a channel with limited length [with summary in English]. V. V. Dil'man. Inzh.-fiz. zhur. 6 no.10 101-103 O '63.

Structure of turbulent flow in an annular channel with rotating internal cylinder [with summary in English]. S. I. Kosterin, IU. P. Finat'ev. Inzh.-fiz. zhur. 6 no.10:96-100 O '63.

TURGENEV, NIKOLAI IVANOVICH, 1789-1871

Nikolai Turgenev, a Russian Decembrist, and the struggle against slavery in the U. S. A. V. M. Tarasov. Vop. ist. 38 no.10:209-212 O '63.

TURKESTAN—ALLIED INTERVENTION, 1918-1920

English aggression against Soviet Turkestan according to the documentary materials of the intelligence service of the Denikin Army. Kim. Syn khva. Trudy Inst. ist. arkheol. i etn. AN Kazakh. SSR 17:121-132 '63.

TURKESTAN—COMMUNIST PARTY OF THE SOVIET UNION

History of the Communist Party of Turkestan during the struggle with counterrevolutionaries in 1919. Kh. S. Salakhutdinov. Uch. zap. Tash. teatr.-khud. inst. no.5: 51-71 '62.

TURKESTAN—ECONOMIC CONDITIONS

In spite of facts. P. Chernov. Nar. khoz. Uzb. 6 no.10: 76-78 O '63.

TURKESTAN—REVOLUTION, 1917-1921

An answer to the falsifiers of the history of Central Asia. K. Khanazarov. Komm. Uz. 36 no.8:91-95 Ag '63.

For the rule of the soviets. A. Dzhursunbekov. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR 17:147-149 '63.

History of the Communist Party of Turkestan during the struggle with counterrevolutionaries in 1919. Kh. S. Salakhutdinov. Uch. zap. Tash. teatr.-khud. inst. no.5: 51-71 '62.

How railroad employees struggled against the White Guards. P. I. Rusetskii. Trudy Inst. ist., arkheol. i etn. AN Kazakh. SSR 17:154 '63.

Nikolai Fedorovich Seliverstov, our brave [illegible] officer. B. M Shevchenko. Trudy Inst. ist., arkh. i etn. AN Kazakh. SSR 17:144-147 '63.

Struggle for Soviet Turkestan. I. Sologubov. [illegible] 35 no.10 94-96 O '63.

We shall never forget the years of militant [illegible] Kilibai Kuseubaev. Trudy Inst. ist., arkheol. i etn. Kazakh. SSR 17:150-152 '63

TURKEY—DEFENSES

Turkish-American dissentions on the problem of the development of the Turkish economy. B. M. [illegible] Krat. soob. Inst. nar. Az. no.50 40-53 '64

TURKEY—ESPIONAGE, GERMAN

Mystery of "Cicero" (to be concluded). V. [illegible] Smena 40 no.19:18-21 O '63.

TURKEY—FOREIGN ECONOMIC RELATIONS—UNITED STATES

Turkish-American dissentions on the problem of the development of the Turkish economy. B. M. [illegible] Krat. soob. Inst. nar. Az. no.56:40-53 '63.

TURKEY—FOREIGN RELATIONS—RUSSIA

Our commentaries. Nov. vrem. 21 no.[illegible] '63

TURKEY—HISTORY, NAVAL

History of Russian friendly contacts with Turkey. [illegible] Raikhtsamm. Ist. arkh. 8 no.2,242-245 Mr-Ap '63.

TURKEY—INVESTMENTS, FOREIGN

Penetration of the imperialist states into the [illegible] dustry of Turkey, 1913-1914. A. S Avetian. [illegible] soob. Inst. nar. Az. no.56:35-39 '63.

TURKEY—KURDS

Kurds and the Russo-Turkish War of 1877-1878. Dzhalile Dzhalil. Krat. soob. Inst. nar. Az. [illegible] 59 '63.

TURKEY—MINING INDUSTRY AND FINANCE

Penetration of the imperialist states into the [illegible] dustry of Turkey, 1913-1914. A. S. Avetian. Krat. soob. Inst. nar. Az. no.56:35-39 '63.

TURKEY—SOCIAL SCIENCE RESEARCH

On a visit to Turkish scholars. B. M. Petrikhevich [illegible] Nar. Az. i Afr. no.5:233-236 '63.

TURKIC LANGUAGES—AFFIXES

Etymology of the "shn" affix [in Azerbaijani with summary in Russian]. K. T. Ramazanov. Izv. Af. [illegible] SSR. Ser. obshchestv. nauk no.4:99-104 '63

TURKIC LANGUAGES—GRAMMAR, COMPARATIVE

G. V. IUsupov's monograph "Introduction to Turkic epigraphy." M. R. Fedotov. Izv. AN [illegible] I faz. 22 no.5 435-439 S-O '63.

TURKMEN LANGUAGE

Some notes on the study of the history of the [illegible] language. M. Ragimov. Izv. AN Azerb. [illegible] obshchestv. nauk no.4:123-127 '63.

TURKMEN LANGUAGE—DICTIONARIES

Akademiia nauk Turkmenskoi SSR. Ashkhabad. Institut iazykoznaniia. [Orthographic dictionary of the Turkmen language, 60,000 words] Orfograficheskii slovar' turkmenskogo iazyka, 60 000 slov. Pod red. [illegible] Khamzaeva. Ashkhabad. Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 1073 p.

TURKMENISTAN—COTTON GROWING

Abaev, N. A. [Development of cotton growing in Turkmenistan] Razvitie khlopkovodstva [illegible] Turkmenistana. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 167 p.
(DNAL)

TURKMENISTAN—EDUCATION, COOPERATIVE

Production training in the schools of Turkmenistan. S. Akhmedov. Shkola i proizv. 7 no.10 [illegible]

TURKMENISTAN—GEOLOGY

Baranova, Z. E., A. T. Burakova, and N. G. [illegible] [Stratigraphy, lithology, and flora of Jurassic deposits of the Tuarkyr region] Stratigrafiia, litologiia i flora iurskikh otlozhenii Tuarkyra. Moskva, Gos. nauchno-tekhizdat, 1963. 231 p. plates. (Leningrad. Vses. nauchno-issledovatel'skii geologicheskii institut. Trudy, vol. 88. Paleontologiia i stratigrafiia. Geologiia i neftegazonosnosti Srednei Azii, no. 13)

TURKMENISTAN—PALEOGEOGRAPHY

Samsonov, S. K. [Paleogeography of western Turkmenistan in the Post-Khvalynian time; based on analysis of [illegible] data] Paleogeografiia Zapadnoi Turkmenii v [illegible] skoe vremia, po dannym floristicheskogo analiza [illegible] skva, Izd-vo Akad. nauk SSSR. 1963. 124 p.

TURKMENISTAN—WORLD WAR, 1939-1945—FOOD QUESTION

Heroic labor of the collective farmers of Turkmenistan in the period of the Great Patriotic War. A Aganesian. Izv. AN Azerb. SSR. Ser. obshchestv. nauk [illegible] 4-1 - 5 '63.

Finish turning with tools having multisided tips. A. A. Matalin. Stan. i instr. 31 no. 9:22-23 S '63.

Efficient method for machining external and internal surfaces of the bodies of revolution. M. V. Kulikov. Mashinostroitel' no. 11:17 N '63.

Fateishi, B. G. [Manual for the lathe operator in a repair shop] Spravochnik tokaria remontnoi masterskoi. 2. izd., perer. i dop. Moskva, Izd-vo MSKh RSFSR, 1963. 247 p.

TURPENTINE

New mechanized extractor for stumpwood chips. I. IA. Kuen, M. M. Kushnir, Gidrolit. i lesokhim. prom. 16 no. 7:27-28 '63.

TURPENTINING

Economic efficiency of larch tapping. Iu. M. Kulomzin. Gidroliz. i lesokhim. prom. 16 no. 7:26 '63.

Protective clothing for tappers. V. F. Bedenko. Gidroliz i lesokhim prom. 11 no. 8:18 '61.

TURRITELLIDAE, FOSSIL see subdivision under Donets Basin

TURUKHAN VALLEY—GEOLOGY, STRATIGRAPHIC

New data on the stratigraphy of the Lower Paleozoic of the Turukhan region. V. U. Petrakov. Dokl. AN SSSR 152 no. 6:1436-1438 O '63.

TUSCANY—RENT

Ground rent in Tuscany in the 11th-13th century; based on the material of the Lucca region [with summary in English]. L. A. Kotel'nikova. Sred. veka no. 24:55-86 '63.

TUVA A. S. S. R.—ANTIQUITIES

Tuvinskaia kompleksnaia arkheologo-etnograficheskaia ekspeditsiia, 1957-1958. [Transactions of the Tuvinian Joint Archaeologic-Ethnographic Expedition, 1957-1958] Trudy. Leningrad, Izd-vo Akad. nauk SSSR.
Vol. I. [Materials on the archaeology and ethnography of western Tuva] Materialy po arkheologii i etnografii Zapadnoi Tuvy. 1960-
WaU

TUVA A. S. S. R.—MINERALS

Accessory minerals in granite intrusions of western Tuva and vein rocks associated with them. V. V. Liakhovich, V. I. Noneshnikova. Trudy IMGRE no. 7:182-211 '61.

TUVA A. S. S. R.—ROCKS, IGNEOUS

Accessory minerals in granite intrusions of western Tuva and vein rocks associated with them. V. V. Liakhovich, V. I. Noneshnikova. Trudy IMGRE no. 7:182-211 '61.

TVARDOVSKII, ALEKSANDR TRIFONOVICH, 1910-

The bard of our time. Volodymyr P'lanov. Ukraina no. 13:11 Je '61.

TWILIGHT
(see also subdivision under Abastumani region)

Computation of the distribution of the intensity and degree of polarization by twilight sky. F. F. Uddalevich. Trudy Astrofiz. inst. AN Kazakh. SSR 3:237-240 '62.

Spectrophotometry of twilight sky. A. Kh. Darchiia. Trudy Astrofiz. inst. AN Kazakh. SSR 3:241-244 '62.

Twilight method for studying the optical properties of the atmosphere [with summary in English]. V. G. Fesenkov. Trudy Astrofiz. inst. AN Kazakh. SSR 3:214-236 '62.

TWO BODIES, PROBLEM OF see Problem of two bodies

TYACHEV DISTRICT—CRIME PREVENTION

Public assistance to the public prosecutor of a district. V. Kozorizov. Rad. pravo no. 4:38-40 Jl-Ag '63.

TYCHYNA, PAVLO HRYHOROVYCH, 1891-

Folklore elements in the works of P. H. Tychyna. V. H. Boiko. Ukr. mova i lit. v shkoli 19 no. 7:7-11 S '63.

TYL, JOSEF KAJETÁN, 1808-1856

Creative path of J. K. Tyl. L. N. Titova. Lit. slav. nar. 8:241-246 '63.

TYPE AND TYPE FOUNDING

Russian Didot types; characteristics of design and their application to Russian books before and after the revolution. A. G. Shitegal. Kniga; issl. i mat. 8:108-176 '63.

TYPEWRITERS

Vel'iashev, L. N., and S. M. Kravchenko. [Design and repair of office typewriters] Konstruktsiia i remont kantseliarskikh pishushchikh mashin. Moskva, Gos. bytizdat, 1963. 198 p.

TYPESETTING MACHINES

Automatic typesetting machine manufactured by Friden, Inc. (U. S. A.) [abridged translation from the English]. NTI no. 7:32-33 '63.

Present-day method of typesetting texts for informational publications. V. A. Kal'manson. NTI no. 2:50-57 '63.

TYPHOID FEVER

Diagnosis of present-day mild forms of typhoid fever. K. F. Votlugina. Kaz. med. zhur. no. 1:60-62 Ja-F '61.

Accessory minerals in granitoids of the Tyrny-Auz deposit and their petrographic significance. V. V. Liakhovich, A. D. Chervinskaia. Trudy IMGRE no. 7:156-181 '61.

TYROSINE

Change of tyrosine, tryptophan and histidine under the action of ionizing and light radiation [with summary in English] M. A. Kolomiichenko. Ukr. biokhim. zhur. 34 no. 2:217-220 '62.

TYRRHENIAN SEA—DEEP-SEA DEPOSITS

Study of the sedimentary layer in the Ionian and Tyrrhenian Seas by the seismic method. M. F. Mikhno. Okeanologiia 3 no. 5:853-860 '63.

TYUMEN' PROVINCE—AGRICULTURE—COSTS

Potentials for increasing agricultural production and reducing its cost in Tyumen' Province. B. Shcherbina. Ekon. sel'khoz. 34 no. 10:8-17 O '63.

TYUMEN' PROVINCE—BOWLINGITE

Vein bowlingite from olivine diabases and gabbro diabases of Tyumen' Province. E. P. Sokolova. Rent. min. syr. no. 2:61-68 '62.

TYUMEN' PROVINCE—DIABASE

Vein bowlingite from olivine diabases and gabbro diabases of Tyumen' Province. E. P. Sokolova. Rent. min. syr. no. 2:64-68 '62.

UDDER

Adaptive variations in lactic phosphatases and the mammary glands in cows. V. V. Koval'skii, I. A. Shumkova. Dokl. AN SSSR 152 no. 6:1467-1470 O '63.

UDDER—DISEASES

Treating cows with an acute form of mastitis by using hot milk (48°C) combined with antibiotics. V. I. Bespal'ko. Shor. stud. rab. MTIMMP no. 7:59-62 '62.

UDMURT A. S. S. R.—FIRES AND FIRE PREVENTION

The assumed obligations will be fulfilled. I. Cherkashin. Pozh. delo 7 no. 7:2 Jl '61.

UDMURT A. S. S. R.—OIL WELL LOGGING

Correlation of Devonian sediments in the southwestern regions of the Udmurt A. S. S. R. in connection with petroleum exploration drilling. M. I. Ostrovskii, L. I. Berman. Geofiz. razved. no. 12:110-119 '63.

UFA—DESCRIPTION

Takhaev, Kh. IA., and I. I. Parkhomenko. [Ufa, capital of Bashkiria] Ufa - stolitsa Bashkirskoi ASSR. Ufa, Bashkirskoe knizhn. izd-vo, 1961. 126 p. illus., maps (CSt-H)

UFA—INDUSTRIAL HYGIENE—RESEARCH

For the petroleum workers of Bashkiria. Okhr. truda i sots. strakh. 6 no. 10:39 O '63.

UFA—PENSIONERS

There is an unusual reception in the section today.... N. Andreeva. Sots. obesp. 24 no. 10:4-6 O '63.

UFA—PETROLEUM REFINERIES

Means for increasing the capacity of petroleum refineries. E. M. Zel'kind. Khim. i tekh. topl. i masel 8 no. 9:1-6 S '63.

UFA—PHYSICALLY HANDICAPPED

There is an unusual reception in the section today.... N. Andreeva. Sots. obesp. 24 no. 10:4-6 O '63.

UGANDA—ECONOMIC CONDITIONS

Uganda on her new course [with summary in English, pp. 257-258]. V. F. Baryshnikov. Nar. Az. i Afr. no. 5:55-64 '63.

UGANDA—POLITICS AND GOVERNMENT

Uganda on her new course [with summary in English, pp. 257-258]. V. F. Baryshnikov. Nar. Az. i Afr. no. 5:55-64 '63.

UGARIT—CITIES AND TOWNS

Rights and structure of communal self-government in Ugarit. N. B. IAnkovskaia. Vest. drev. ist. no. 3:35-55 '63.

UIGUN, pseud., 1905-

Poet Uigun relates. Uzbekistan 22 no. 7:20 Jl '63.

UKHTOMSKII, ALEKSEI ALEKSEEVICH, 1875-1942

Outstanding Soviet physiologist; life and work of A. A. Ukhtomskii. P. G. Terekhov. Priroda 52 no. 9:86-89 '63.

UKRAINE—ADULT EDUCATION

Method of practical assignments. A. Medianik. Komm. Ukr. 30 no. 10:65-69 O '63.

UKRAINE—AGRICULTURAL MACHINERY

Over-all mechanization of growing corn planted by the precision method. M. K. Didenko. Visnyk sil'hosp. nauky 6 no. 4:20-28 Ap '63.

MAINTENANCE AND REPAIR

Repair and maintenance brigades in the Ukraine. V. Babur and others. Tekh. v sel'khoz. 23 no. 6:14-46 Je '63.

UKRAINE—AGRICULTURE—BIBLIOGRAPHY

New books. Visnyk sil'hosp. nauky 6 no. 4:124 '63.

UKRAINE—ALBEDO

Brief characterization of the albedo in the Ukraine. N. I. Goisa. Trudy Ukr. NIGMI no. 31:93-100 '62.

UKRAINE—AMATEUR THEATRICALS

Assisting amateur theaters. Mystetstvo 10 no. 3:36 My-Je '63.

Assisting amateur theaters. Mystetstvo 10 no. 4:30 Jl-Ag '63.

UKRAINE—ANTIQUITIES

Interesting discoveries. Ukraina no. 13:30 Je '61.

Nahaievs'kyi, Isydor [The old Ukraine in the light of historical monuments] Starodavnia Ukraina v svitli istorychnykh pam'iatnykiv. Yorkton, Sask., 1961. 216 p. illus. (Biblioteka Lohosu, t. 25) (InU)

UKRAINE—APPLE

Depth and methods of tillage before planting in the establishment of apple orchards in various soils of the Ukrainian S. S. R. M. P. Tarasenko, N. G. Il'chishina, O. P. Semenova. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 10:14-42 '62.

Effect of pruning on the growth and anatomic structure of branches in uneven-aged apple trees. I. A. Kolomiets, A. T. Romanova. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 40:173-190 '62.

Growth of apple on steep slopes in the eastern forest-steppe of the Ukrainian S. S. R. I. A. Kolomiets. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 40:191-203 '62.

Training of apple and pear trees in the Ukrainian S. S. R. K. A. Verbovyi. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 40:100-133 '62.

Yield of apple nursery stock grafted on cultivated varieties. M. P. Tarasenko. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 40:155-163 '62.

UKRAINE—ARBITRATION AND AWARD

Decisions of arbitration agencies. Rad. pravo no. 4:125-127 Jl-Ag '63.

UKRAINE—ATMOSPHERIC TEMPERATURE

Forecasting of the dates of stable passing of the mean diurnal air temperature through 0° during spring in the Ukraine. N. M. Gavrilenko. Trudy UkrNIGMI no. 32:18-25 '62.

UKRAINE—BAPTISTS

Visiting parishes of Evangelical Christians and Baptists in Kiev and Kharkov. IA. I. Zhidkov. Brat. vest. no. 4:73-74 '63.

UKRAINE—BARLEY

Phasic development of winter barleys in the southern Ukraine. N. M. Fedulova. Nauch. trudy Vses. sel.-gen. inst. no. 5:79-86 '62.

UKRAINE—BESSEMER PROCESS

Meeting of the scientific technological commission on expanding and improving converter steelmaking in the Ukraine, S. P. Zaikov. Met. i gornorud. prom. no. 5:81-82 S-O '63.

UKRAINE—BRICKS—TRANSPORTATION

SM-823 (PKB-34A) electrical tow car. I. R. Simitskii. Stroi. mat. 9 no. 7:24-25 Jl '63.

UKRAINE—BUCKWHEAT

Growing buckwheat on the "Bil'shovyk" Collective Demonstration Farm. T. A. Savyts'kyi, V. I. Tryt'ko. Visnyk sil'hosp. nauky 6 no. 4:47-51 Ap '63.

UKRAINE—BUDGET

Some procedural problems of formulating and adopting the budget of the Ukrainian S. S. R. L. Voronova. Rad. pravo no. 4:22-26 Jl-Ag '63.

UKRAINE—CARP

Possibilities for increasing the productivity of fishponds. O. I. Kuz'oma, V. H. Tomilenko. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14:85-88 '62.

UKRAINE—CARYA

Bioecologic properties of Carya and its importance for the establishment of forest plantations. B. M. Makhmet. Visnyk sil'hosp. nauky 6 no. 4:88-93 Ap '63.

UKRAINE—CATTLE—FEEDING AND FEEDS

Collective farm specialization in cattle fattening. V. F. Kliuikov. Dokl. i soob. VNIESKH no. 15:32-40 '63.

Using urea in feeding young cattle. H. S. Kytaieva. Visnyk sil'hosp. nauky 6 no. 4:102-107 Ap '63.

UKRAINE—CELLULOSE

Here is Ukrainian cellulose. Nauka i zhyttia 12 no. 3:45 Mr '63.

UKRAINE—CHEMICAL INDUSTRIES

Let us increase the output of the chemical industry. P. Borisov. Komm. Ukr. 39 no. 10 26-31 O '63

Major chemical industrial complexes of the Ukraine. P. Borisov. Nauka i zhyttia 12 no. 9:30-31 My '63.

UKRAINE—CHERNOZEM SOILS

Mobilization of organic phosphates in Chernozem soils and the phosphorus nutrition of plants. Iu. K. Kudzin, I. V. Iaroshevich. Trudy Inst. mikrobiol. no. 11 252-259 '61.

UKRAINE—CLAY

Conditions of rock bedding in the "speckled clay stage" of the eastern part of the Ukrainian S. S. R. L. I. Chimenko. Nauch. trudy KhIGI 11 70-75 '62.

UKRAINE—CLEARING OF LAND

Controlling shrubs in meadows and bogs. F. K. Bazilevich. Zemledelie 25 no. 10 69-70 O '63.

UKRAINE—CLIMATE

Some relations between temperature and precipitation anomalies in the Ukraine and circulation factors. I. N. Ponomarenko. Trudy UkrNIGMI no. 32 3-17 '62.

UKRAINE—CLOTHING INDUSTRY—MANAGEMENT

Clothiers of the Ukraine struggle for an economical utilization of fabrics. R. S. Ginzburg, M. M. Salganik. Shvein. prom. no. 3 11-13 Je-Jl [i.e. My-Je] '61.

UKRAINE—COKE INDUSTRY

Blast furnace coke from Ukrainian by-product coke plants. V. E. Didenko. Met. i gornorud. prom. no. 5 31-33 S-O '63.

UKRAINE—COMEDY FILMS

Aimed fire is needed! M. Kiado. Mystetstvo 10 no. 3: 14-18 My-Je '63.

UKRAINE—COMMUNIST EDUCATION

Let us ensure the effectiveness and high standards of political education. Komm. Ukr. 39 no. 9 2-9 S '63.

UKRAINE—COMMUNIST PARTY OF THE SOVIET UNION

How the Communist Party of the Ukraine struggled for the restoration of the Ukrainian national economy. P. Bachinskii, K. Shilan. Komm. Ukr. 39 no. 9 91-94 S '63

Kiev. Institut istorii partii. [The Communist Party, the inspirer and organizer of the united movement of the Ukrainian people on the development of the U. S. S. R.] Kommunisticheskaia partiia - vdokhnovitel' i organizator ob"edinennogo dvizheniia ukrainskogo naroda za obrazovanie SSSR, sbornik dokumentov i materialov. Kiev, Gos. izd-vo polit. lit-ry, 1962. 452 p. (InU)

UKRAINE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Party news. Komm. Ukr. 39 no. 9:88 S '63.

UKRAINE—CONSTRUCTION MACHINERY OPERATORS

Competition of the excavation brigades of the Ukrainian Excavation Combine. A. P. Degtiarev. Mekh. stroi. 20 no. 8 2-4 Ag '63.

UKRAINE—CORN (MAIZE)

Companion sowing of late and early corn as an efficient method for increasing the yield and quality of silage. O. M. Kolobov, IE. D. Khoroshkova. Visnyk sil'hosp nauky 6 no. 4:65-68 Ap '63.

Over-all mechanization of growing corn planted by the precision method. M. K. Didenko. Visnyk sil'hosp nauky 6 no. 4:20-28 Ap '63.

UKRAINE—CORN (MAIZE)—FERTILIZERS AND MANURES

Effect of fertilizers on the development of the root system in corn and its yield. M. H. Taranovs'ka, R. O. Kachanova. Visnyk sil'hosp. nauky 6 no. 4 43-47 Ap '63.

Time and methods for the placement of fertilizers for corn. M. M. Butseroga and others. Zemledelie 25 no. 10 46-49 O '63.

UKRAINE—CORNEA—TRANSPLANTATION

Contribution of Ukraine's ophthalmologists to the development of corneal transplantation. D. G. Bushmich. Uch. zap. UEIGB 5:14-20 '62.

UKRAINE—CRIMINAL JUSTICE, ADMINISTRATION OF

Brief news. Rad. pravo no. 4:142-143 Jl-Ag '63.

UKRAINE—CULTURE

Brief news. Mystetstvo 10 no. 3:39-40 My-Je '63.
Brief news. Mystetstvo 10 no. 4:40 Jl-Ag '63.

UKRAINE—DIVING, SUBMARINE

"Trophies" of Ukrainian aqualungers. V. Bakrov. Voen. znan. 39 no. 10 36 O '63.

UKRAINE—DRAINAGE

Calculating the distance between drains in heterogeneous mineral soils. V. P. Kubyshkin. Visnyk sil'hosp nauky 6 no. 4:94-101 Ap '63.

UKRAINE—DUCKS—FEEDING AND FEEDS

Proper time of fattening and slaughtering ducklings raised for meat with the use of the natural food supply of waters. I. F. Khashimov. Sbor. rab. mol. uch. VNIIP no. 4:122-131 '62.

UKRAINE—DWARF FRUIT TREES

Dwarf rootstock for apple and pear in the Ukrainian S. S. R. M. P. Tarasenko. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 40 134-151 '62.

UKRAINE—ECONOMIC CONDITIONS

How the Communist Party of the Ukraine struggled for the restoration of the Ukrainian national economy. P. Bachinskii, K. Shilan. Komm. Ukr. 39 no. 9:91-94 S '63.

Sluts'kyi, O. B. [The laboring class in the Ukraine in the struggle to lay the foundation of the socialist economy] Robochii klass Ukrainy v borot'be za sozdanie fundamenta sotsialisticheskoi ekonomiki, 1926-1932 gg. Kiev, Akad. nauk Ukrainskoi SSR, 1963. 501 p. (MH)

UKRAINE—EDUCATION

Communists of the Ukraine in the struggle for school reorganization. H. S. Berezniak. Rad. shk. 42 no. 10: 108-109 O '63.

UKRAINE—EDUCATION, COOPERATIVE

Industrial training in the Ukraine. K. F. Prisiazhniuk. Shkola i proizv. 7 no. 10 19-22 O '63.

UKRAINE—EDUCATION, PRESCHOOL

Let's inculcate educational experience in mass practice. M. Il'chenko. Doshk. vykh. 24 no. 10 1-5 O '63.

Republic-wide seminar of methodists. D. Puhachevs'ka. Doshk. vykh. 24 no. 10 47 O '63.

Study and generalization of progressive experience in preschool education. I. Plotkina. Doshk. vykh. 24 no. 10 5-10 O '63.

UKRAINE—ENSILAGE

Companion sowing of late and early corn as an efficient method for increasing the yield and quality of silage. O. M. Kolobov, IE. D. Khoroshkova. Visnyk sil'hosp nauky 6 no. 4 65-68 Ap '63.

UKRAINE—EVAPORATION (METEOROLOGY)

Total evaporation in Moldavia and the Ukraine. R. N. Oleinik, L. I. Sakali. Trudy UkrNIGMI no. 31:111-132 '62.

UKRAINE—FISH CULTURE

Possibilities for increasing the productivity of fishponds. O. I. Kuz'oma, V. H. Tomilenko. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14:65-68 '62.

UKRAINE—FISHES—DISEASES AND PESTS

Some data on the spreading of ichthyophthiriasis on fish farms of the Ukrainian S. S. R. M. P. Shcherbani. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14 117-122 '62.

UKRAINE—FOREIGN RELATIONS

Stashevs'kyi, D. N. [For peaceful relations with the capitalist world, 1921-1924] Za myrni vidnosyny z kapitalistychnym svitom, 1921-1924 rr. Kyiv, Derzhpolitvydav URSR, 1963. 57 p. (Ukraina na mizhnarodni arena)

UKRAINE—FRUIT—FERTILIZERS AND MANURES

Methods of placing fertilizers in young orchards. E. D. Zelenskaia. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 40 43-52 '62.

UKRAINE—FRUIT TREES

Frost damage to fruit trees in winters with various combinations of meteorological factors. M. IU. Gushchin and others. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 40 204-221 '62.

UKRAINE—GRAPE BREEDING

Results of crossing grapes as related to the selection of parental forms. M. I. Tulaieva. Visnyk sil'hosp. nauky 6 no. 4:69-74 Ap '63.

UKRAINE—HISTORY

Akademiia nauk URSR. Kiev. Instytut istorii. [Studies on the social and economic history of the prerevolutionary Ukraine] Narysy z sotsial'no-ekonomichnoi istorii Ukrainy dozhovtnevoho periodu. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 166 p.

Kiev. Institut istorii partii. [The Communist Party, the inspirer and organizer of the united movement of the Ukrainian people in the development of the U. S. S. R.] Kommunisticheskaia partiia - vdokhnovitel' i organizator ob"edinennogo dvizheniia ukrainskogo naroda za obrazovanie SSSR; sbornik dokumentov i materialov. Kiev, Gos. izd-vo polit. lit-ry, 1962. 452 p. (InU)

Nahaievs'kyi, Isydor. [The old Ukraine in the light of historical monuments] Starodavnia Ukraina v svitli istorychnykh pam'iatnykiv. Yorkton, Sask., 1961. 216 p. illus. (Biblioteka Lohosu, t. 25) (InU)

UKRAINE—HOME AND SCHOOL

Parent committee in a school for working youth. H. IU. Tytov. Rad. shk. 42 no. 10:35 O '63.

UKRAINE—IRON AND STEEL PLANTS

Basic technical and economic indices of metallurgical plant operations in the Ukrainian S. S. R. during the period from 1958 to 1962 and some indices for the first quarter of 1963. Met. i gornorud. prom. no. 3 88-89 Jl-Ag '63.

UKRAINE—LABOR AND LABORING CLASSES

Sluts'kyi, O. B. [The laboring class in the Ukraine in the struggle to lay the foundation of the socialist economy] Robochii klass Ukrainy v borot'be za sozdanie fundamenta sotsialisticheskoi ekonomiki, 1926-1932 gg. Kiev, Akad. nauk Ukrainskoi SSR, 1963. 501 p. (MH)

UKRAINE—LANGUAGES—STUDY AND TEACHING

In the Ministry of Education of the Ukrainian S. S. R. Rad. shk. 42 no. 10:110-112 O '63.

UKRAINE—LAW

Recent legislative enactments. Rad. pravo no. 4:144-145 Jl-Ag '63.

UKRAINE—LAW—CASES

Decisions of the Supreme Court of the Ukrainian S. S. R. Rad. pravo no. 4 118-121 Jl-Ag '63.

UKRAINE—LAW ENFORCEMENT

Stetsenko, V. S. [The role of socialist law in the building of communism] Rol' sotsialistychnoi zakonnosti v pobudovi kommunizmu. Kyiv, Derzh. vyd-vo lit-ry URSR, 1960. 65 p. (MH-L)

UKRAINE—LEAF HOPPERS

New species of the cicadas of the genus Psammotettix (Homoptera, Jassidae) from Solonchak soils of the Ukraine. V. M. Lobovyn enko. Prats Inst. zool. 17,51-53 '61.

UKRAINE—LEGUMES

Production of pulse crops in the Ukraine. I. Ar'ev. Khoz. sel'khoz. 34 no. 9 60-70 S '63.

UKRAINE—LIMING OF SOILS

Using waste from sulfur production for the liming of soils. IE. I. Kozak and others. Visnyk sil'hosp. nauky 6 no. 1,56-58 Ap '63.

UKRAINE—LYGAEIDAE

Larvae of the subfamily Geocorinae (Heteroptera, Lygaeidae) in the Ukrainian S. S. R. V. H. Puchkov. Dop. AN URSR no. 12 1649-1653 '63.

UKRAINE—MAMMALS

Materials on the study of the fauna of lemmings based on regurgitated food remains. I. H. Il'in. Zbir. prats Zool. muz. AN URSR no. 32 [illegible]

New materials on the study of the lesser mole rat in Ukraine. I. T. Sokur. Zbir. prats Zool. muz. AN URSR no. 32,29-42 '63.

UKRAINE—MANUFACTURES

In the economic councils of the Ukraine. V. T. Shevchenko. Leh. prom. no. 3,84-87 Jl-S '63.

UKRAINE—MATHEMATICS—BIBLIOGRAPHY

Akademiia nauk URSR. Kiev. Instytut matematyky. [Bibliography of Ukrainian mathematical works, 1917-1960] Ukrains'ka matematychna bibliohrafiia 1917-1960. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 381 p.

UKRAINE—MEAT INDUSTRY

Hidden potentialities of the meat industry. V. Kolesnyk. Komm. Ukr. 39 no. 10,77-80 O '63.

UKRAINE—MICRO-ORGANISMS, NITROGEN FIXING

Characteristics of the interrelationships of [illegible] teria with the microflora of solonchak soils. V. P. [illegible] renba. Trudy Inst. mikrobiol. no. 12 [illegible]

UKRAINE—MOTION-PICTURE MUSIC

An idea and its embodiment. H. Malyshev. Muz. 10 no. 4:25-26 Jl-Ag '63.

UKRAINE—NURSERY STOCK

Yield of apple nursery stock grafted on quince varieties. M. P. Tarasenko. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 40:156-163 '62.

UKRAINE—OIL FIELDS

Experiment in operations and production planning in construction and installation administrations. No. 11, Ukrainian Trust for the Building of Petroleum Storage Units and other Petroleum Industry Facilities. N. V. Savel'ev. Stroi. truboprov. 8 no. 9:24 S '63.

UKRAINE—PEA BREEDING

Peas in the southern Ukrainian S. S. R. and [illegible] problems. S. I. Vengrenovskii, N. I. Dzhelali. Sb. trudy Vses. sel.-gen. inst. no. 5:23-40 '62.

UKRAINE—PEAR

Training of apple and pear trees in the Ukrainian S. S. R. K. A. Verbovyi. Nauch. trudy Ukr. nauch. [illegible] no. 40:100-133 '62.

UKRAINE—PLANT INTRODUCTION
Akademiia nauk URSR. Kiev. Botanychnyi sad. [Biological problems of acclimatized plants] Pytannia biologii aklimatyzovanykh roslyn. Kyiv, Vyd-vo Akad. nauk Ukr.in.s'koi RSR, 1963. 90 p.
(DNAL)

UKRAINE—PLANT LICE
Plant lice of the genus Cavariella del Guc (Homoptera, Aphidoidea) in the Ukrainian S.S.R. V.O. Mamontova-Solukha. Pratsi Inst. zool. AN URSR. 17,54-65 '61.

UKRAINE—POLITICS AND GOVERNMENT
Stetsenko, V.S. [The role of socialist law in the building of communism] Rol' sotsialistychnoi zakonnosti v pokudovi komunizmu. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1960. 65 p.
(MH-L)

UKRAINE—POPULATION
Changes in the distribution and density of the population of the Ukrainian S.S.R. V. Kreshchennikov. Vest. stat. 10 16-26 '63.

UKRAINE—POTATOES—ECONOMIC ASPECTS
Economics of potato growing and their commercial production zones. O.A. Lysenko. Visnyk sil'hosp. nauky 6 no. 4:12-15 Ap '63.

UKRAINE—POTATOES—VARIETIES
The new potato variety Odesskiy 24. N.F. Sokolenko, A.I. Ne'ov. Nauch. trudy Vses. sel.-gen. inst. no. 5:11-111 '62.

UKRAINE—POULTRY—FEEDING AND FEEDS
Utilization of nutrients by chicks raised for meat. I.M. Ostrivnoi. Shor. rab. mol. uch. VNIIP no. 4:91-98 '62.

UKRAINE—PROTOZOA, PATHOGENIC
Some data on the spreading of ichthyophthiriasis on fish farms of the Ukrainian S.S.R. M.P. Shcherban'. Nauk. pratsi Ukr. nauk.-dosl. inst. rybn. hosp. 11 117-122 '62.

UKRAINE—QUARRIES AND QUARRYING—LABOR PRODUCTIVITY
Ways of increasing labor productivity in flux limestone quarries of the Ukraine. M.G. Novozhilov, B.N. Tartakovskii, I.I. Gavrilnik. Met. i gornorud. prom. no. 4:46-49 Jl-Ag '63.

UKRAINE—RELATIONS (GENERAL) WITH EASTERN EUROPE
[Our friendship is stronger than steel] Druzhba mitnishe vid stali. Kyiv, Derzhpolitvydav URSR, 1962. 70 p.

UKRAINE—SAINFOIN
Characteristics of the interrelationships of nodule bacteria with the microflora of sainfoin seeds. V.P. Zaremba. Trudy Inst. mikrobiol. no. 11,188-197 '61.

UKRAINE—SAINFOIN—VARIETIES
The "Yuzhnoukrainskiy" double-harvest sainfoin. S.I. Vengrenovskii. Nauch. trudy Vses. sel.-gen. inst. no. 5:131-135 '62.

UKRAINE—SCHOOL EXCURSIONS
Following the paths of Taras. I.E.A. Pasichnyk. Rad. shk. 42 no. 10:36-41 O '63.

UKRAINE—SCHOOL LIBRARIES
Library work in the schools for working youth. D.F. Maiak. Ukr. mova i lit. v shkoli 13 no. 7:46-47 S '63.

UKRAINE—SEED POTATOES
Degeneration and improvement of seed potatoes. N.F. Sokolenko, N.G. Treskin. Nauch. trudy Vses. sel.-gen. inst. no. 5:96-108 '62.

UKRAINE—SERVICE INDUSTRIES
We improve service industries. A. Ustinov. Sov. potreb. koop. 7 no. 8 17-19 Ag '63.

UKRAINE—SOCIALIST COMPETITION
Kiev. Institut istorii partii. [The movement of collectives and shockworkers of communist labor in the Ukraine, 1958-1961, documents and materials] Dvizhenie kollektivov i udarnikov kommunisticheskogo truda na Ukraine 1958-1961 gg; sbornik dokumentov i materialov. Kiev, Gos. izd-vo polit. lit-ry USSR, 1963. 528 p.

UKRAINE—SOVIETS
Soviets are the mass organizations of all Soviet people. A. Zlenko. Komm. Ukr. 38 no. 10 19-25 O '63.

UKRAINE—STARCH INDUSTRY
Starch and molasses industry of the Ukraine. IA. Sh. Shukhman. Sakh. prom. 36 no. 9:50-52 S '62.

UKRAINE—STOCK AND STOCKBREEDING
Make use of the phenomenon of heterosis in animal husbandry. I.H. Zorin. Visnyk sil'hosp. nauky 6 no. 4:3-11 Ap '63.

UKRAINE—STRAWBERRIES
Effect of gibberellin on the growth and yield of strawberries. L.B. Rybak. Visnyk sil'hosp. nauky 6 no. 4:75-79 Ap '63.

UKRAINE—STRIP MINING
Short-delay blasting in open-pits and quarries of the Ukrainian S.S.R. N.U. Furuta, D.F. Panchenko. Met. i gornorud. prom. no. 4 50-53 Jl-Ag '63.

UKRAINE—SUGAR BEETS
Effect of the quantity of plants in a cluster on the yield and sugar content of beets. V.M. Karvats'kyi. Visnyk sil'hosp. nauky 6 no. 4:35-38 Ap '63.

UKRAINE—SUGAR BEETS—FERTILIZERS AND MANURES
Potassium fertilizers for sugar beets. I.G. Rozhdestvenskii. Zemledelie 25 no. 10 50-55 O '63.

UKRAINE—SUGAR INDUSTRY—EQUIPMENT AND SUPPLIES
Efficiency of the adoption of modern equipment in several sugar factories of the Ukrainian S.S.R. A.P. Drobotenko. Sakh. prom. 37 no. 11:50-51 N '63.

UKRAINE—SUNFLOWER SEED
Characteristics of the development and oil formation in sunflower seeds in the southern Ukraine. N.K. Shimanskii, I.P. Loshak, L.S. Fastovets. Nauch. trudy Vses. sel.-gen. inst. no. 5:87-93 '62.

UKRAINE—SUNFLOWERS
Growing sunflowers in checkrows from sized seeds planted in clusters without thinning. Z.B. Borysonik, V.V. Abisova. Visnyk sil'hosp. nauky 6 no. 1:39-43 Ap '63.

UKRAINE—TEACHERS
With the people and for the people. I.E. Mykhailykova. Rad. shk. 12 no. 10:32-35 O '63.

UKRAINE—TECHNOLOGICAL INNOVATIONS
New technology in the projects developed by the Ukrainian Institute for the Design and Planning of Enterprises of the Light Industry. D.S. Pozharskyi, O.K. Shcherban'. Leh. prom. no. 3 71-74 Jl-S '63.

UKRAINE—TECHNOLOGY—INFORMATION SERVICES
Organization of technological information services in the Scientific and Research Institute. R.S. Timchenko. Leh. prom. no. 3 52-54 Jl-S '63.

UKRAINE—THEATER
In a friendly family. N. Lotots'ka. Mystetstvo 10 no. 4-5 Jl-Ag '63.

UKRAINE—TILLAGE
Depth and methods of tillage before planting in the establishment of apple orchards in various soils of the Ukrainian S.S.R. M.P. Tarasenko, N.G. Il'chishina, O.P. Semenova. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 40 14-42 '62.

UKRAINE—TRADE UNIONS
Improve the work standards of primary organizations. V. Klimenko. Sov. profsoiuzy 19 no. 20,4-6 O '63.

UKRAINE—TREES IN WINTER
Frost damage to fruit trees in winters with various combinations of meteorological factors. M.IU. Gushchin and others. Nauch. trudy Ukr. nauch.-issl. inst. sad. no. 40:204-221 '62.

UKRAINE—VETCH
Using vegetative hybridization in the development of winter vetch varieties. N.V. Il'icheva. Nauch. trudy Vses. sel.-gen. inst. no. 5:91-98 '62.

UKRAINE—VISITORS, CANADIAN
In the land of our fathers. Halyna Kasian, Mariia Skrypnyk, Andrii Shvets'. Ukraina no. 13 2-3 Je '61.

UKRAINE—WALNUT
The Japanese walnut Juglans Sieboldiana, a rare forest plant in the Ukraine. O.I. Chornohor. Visnyk sil'hosp. nauky 6 no. 4 86-88 Ap '63.

UKRAINE—WHEAT
Anatomy and morphology characteristics of wheat grain from the southern regions of the Ukraine. L.R. Torzhinskaia, N.V. Romenskii, N.G. Umleva. Izv. vys. ucheb. zav.; pishch. tekh. no. 4:12-16 '63.

Importance of light and temperature during the vernalization period of winter wheat plants under natural conditions in the southern Ukrainian S.S.R. O.A. Nikiforov. Nauch. trudy Vses. sel.-gen. inst. no. 5:47-54 '62.

Method for long-range forecasting of agrometeorological conditions governing the formation of the yield of winter wheat. E.S. Ulanova. Meteor. i gidrol. no. 11:12-20 N '63.

UKRAINE—WORLD WAR, 1939-1945—ART AND THE WAR
In the name of our motherland. M. Pekarova'kyi. Mystetstvo 10 no. 3:25-26 My-Je '63.

UKRAINE—WORLD WAR, 1939-1945—PERSONAL NARRATIVES
Through the night, on the story of a nameless grave. Leonid Volynskii. Nov. mir 39 no. 1:113-143 Ja '63.

UKRAINE, WESTERN—CARP—DISEASES AND PESTS
Characteristics of the foci of hemorrhagic septicemia in ponds of the western provinces of the Ukrainian S.S.R. L.S. Abramovych, P.V. Shevchuk, H.I. Shpet. Nauk. pratsi Ukr. nauk.-dosl. inst. rybn. hosp. 11 132-137 '62.

UKRAINE, WESTERN—HEMORRHAGIC SEPTICEMIA
Characteristics of the foci of hemorrhagic septicemia in ponds of the western provinces of the Ukrainian S.S.R. L.S. Abramovych, P.V. Shevchuk, H.I. Shpet. Nauk. pratsi Ukr. nauk.-dosl. inst. rybn. hosp. 11:132-137 '62.

UKRAINIAN ART see Art, Ukrainian

UKRAINIAN ARTISTS see Artists, Ukrainian

UKRAINIAN LANGUAGE
Powerful and enchanting. Mykyta Shumylo. Ukr. mova i lit. v shkoli 13 no. 7 12-23 S '63.

UKRAINIAN LANGUAGE—ACCENTS AND ACCENTUATION
Studying accents in the first and second grades. P.P. Iniutin. Ukr. mova i lit. v shkoli 13 no. 7 48-50 S '63.

UKRAINIAN LANGUAGE—ANTONYMS
Independent works of students in connection with the study of antonyms and synonyms. M.T. Shevchenko. Ukr. mova i lit. v shkoli 13 no. 1 59-61 Mr '63.

UKRAINIAN LANGUAGE—BIBLIOGRAPHY see Bibliography—Ukrainian language

UKRAINIAN LANGUAGE—COMPOSITION AND EXERCISES
System of written tests in grades 5-8. M.A. Zherherina. Ukr. mova i lit. v shkoli 13 no. 1 48-54 Mr '63.

Written tests on contemporary topics. M.I. Hryshchenko. Ukr. mova i lit. v shkoli 13 no. 1:55-56 Mr '63.

UKRAINIAN LANGUAGE—DIALECTS
Eleventh republic-wide dialectological conference. S.F. Dovhopol, L.M. Symonenkova. Ukr. mova i lit. v shkoli 13 no. 1 94-96 Mr '63.

UKRAINIAN LANGUAGE—DIALECTS—MAPS
Problems of Ukrainian linguistic geography. F.T. Zhylko. Ukr. mova i lit. v shkoli 13 no. 1 18-24 Mr '63.

UKRAINIAN LANGUAGE—ORTHOGRAPHY
Don't hurry. P.M. Lyzanets'. Ukr. mova i lit. v shkoli 13 no. 7 73-74 S '63.

Score twice before you cut once. H.A. Chepurnyi. Ukr. mova i lit. v shkoli 13 no. 7 74-75 S '63.

Some remarks on the discussion. L.L. Humets'ka, V.M. Horkun. Ukr. mova i lit. v shkoli 13 no. 7 75-76 S '63.

UKRAINIAN LANGUAGE—PERIODICALS
Let's train them by means of truth and beauty. Ukr. mova i lit. v shkoli 13 no. 1:3-7 Mr '63.

UKRAINIAN LANGUAGE—PRONOUN
Three lessons on the topic "Pronoun" in the sixth grade. S.M. Kestel'. Ukr. mova i lit. v shkoli 13 no. 7:51-59 S '63.

UKRAINIAN LANGUAGE—PUNCTUATION
Studying punctuation in grades 5-8. M.I. Sytnyk. Ukr. mova i lit. v shkoli 13 no. 1 62-67 Mr '63.

UKRAINIAN LANGUAGE—STUDY AND TEACHING
Editor's mail. Ukr. mova i lit. v shkoli 13 no. 1 89-91 Mr '63.

Editor's mail. Ukr. mova i lit. v shkoli 13 no. 7 77-79 S '63.

Kiev. Naukovo-doslidnyi instytut pedagogiky. [Methodology of teaching the Ukrainian language in secondary schools] Metodyka vykladannia ukrains'koi movy v serednii shkoli. Za red. S. Kh. Chavdarova i V.I. Masal's'koho. Kyiv, Radians'ka shkola, 1962. 371 p.

Let's increase and consolidate our successes. N.D. Kovalenko, V.IA. Nedil'ko. Ukr. mova i lit. v shkoli 13 no. 7:3-6 S '63.

Materials in aid to teachers for outlining Ukrainian language lessons in the 1962-1963 school year. B.H. Lutskevych, M.M. Savyts'ka, M.I. Mel'nyk. Ukr. mova i lit. v shkoli 13 no. 7 87-92 S '63.

Studying grammar and expressive reading. O.T. Volnova. Ukr. mova i lit. v shkoli 13 no. 7 60-64 S '63.

UKRAINIAN LANGUAGE—STYLE
Kulyk, B.M., and O.M. Masiukevych. [Collection of exercises on style for secondary schools, teachers' aid] Zbirnyk vprav z stylistyky dlia sered'oi shkoly, posibnyk dlia vchyteliv. Vyd. 2., vypravlene i dop. Kyiv, Radians'ka shkola, 1963. 330 p.

Let's cherish our language. For the variability of style! IE. Mykhailykova. Ukr. mova i lit. v shkoli 13 no. 7 80-81 S '63.

UKRAINIAN LANGUAGE—SYNONYMS
Independent works of students in connection with the study of antonyms and synonyms. M.T. Shevchenko. Ukr. mova i lit. v shkoli 13 no. 1:59-61 Mr '63.

UKRAINIAN LITERATURE

Dziuba, I. M. [Ordinary man or petit bourgeois? Literary criticism] Zvychaini liudyny chy mishchanyn? Literaturno-krytychni statti. Kyiv, Radians'kyi pys'mennyk, 1959. 277 p.
(InU)

UKRAINIAN LITERATURE—BIBLIOGRAPHY see Bibliography—Ukrainian literature

UKRAINIAN LITERATURE—HISTORY AND CRITICISM

National and international elements in literature. IE. S. Shabliovs'kyi. Ukr. mova i lit. v shkoli 13 no. 1:8-17 Ja '63.

"Traditions of T. H. Shevchenko in Ukrainian literature (pre-October period)" by I. I. Pil'chuk. Reviewed by M. P. Pysarenko. Ukr. mova i lit. v shkoli 13 no. 7:82-84 S '63.

UKRAINIAN LITERATURE—STUDY AND TEACHING

All depends on a teacher. IE. I. Zhyts'kyi. Ukr. mova i lit. v shkoli 13 no. 1:74-78 Ja '63.

Discussing the project of a new program in Ukrainian literature. V. N. Hrytsan. Ukr. mova i lit. v shkoli 13 no. 7:95-98 S '63.

Efficient measures are needed. I. I. Petrash. Ukr. mova i lit. v shkoli 13 no. 1:74-76 Ja '63.

From the editor. Ukr. mova i lit. v shkoli 13 no. 1:76-78 Ja '63.

Let's increase and consolidate our successes. N. D. Kovalenko, V. IA. Andrilko. Ukr. mova i lit. v shkoli 13 no. 7:3-6 S '63.

"Studying Soviet Ukrainian literature in eight-year schools" by P. H. Morents'. Reviewed by M. A. Rudenko. Ukr. mova i lit. v shkoli 13 no. 1:82-84 Ja '63.

UKRAINIAN NEWSPAPERS

Let us improve the work of the Soviet press. V. Semechev. Komm. Ukr. 39 no. 10:83-89 O '63.

UKRAINIAN PAINTERS see Painters, Ukrainian

UKRAINIAN PAINTING see Painting, Ukrainian

UKRAINIAN WIT AND HUMOR

[Caricatures, parodies, epigrams] Sharzhi, parodii, epigramy. [Kyiv, Radians'kyi pys'mennyk, 1960] 128 p.
(CoU)

Humorous stories of young writers. V. Kolesnyk. Ukraina no. 19:29 O '62.

UKRAINIANS see subdivision under Canada

UKRAINKA, LESIA, 1871-1913

Ardent word lives on. IU. Luts'kyi. Mystetstvo 10 no. 4:31-33 Jl-Ag '63.

Babyshkin, Olch. [Lesia Ukrainka's dramaturgy] Dramaturgiia Lesi Ukrainky. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry, 1963. 404 p.
(NN)

Living sources of the work of Lesia Ukrainka. M. I. Dubyna. Ukr. mova i lit. v shkoli 13 no. 1:30-38 Ja '63.

ULAN BATOR—MUSEUMS

Excursion to a museum. I. Legzhima. Sovr. Mong. 8 no. 6:20-21 Jl [i.e. Je] '63.

ULAN BATOR—PACKING HOUSES

Everything for man. D. Zorig. Sovr. Mong. 8 no. 6:6-7 Jl [i.e. Je] '63.

ULAN BATOR—TEMPLES, BUDDHIST

Excursion to a museum. I. Legzhima. Sovr. Mong. 8 no. 6:20-21 Jl [i.e. Je] '63.

UL'IANOV, IL'IA NIKOLAEVICH, 1831-1886

Inspired educator, pedagogical legacy of I. N. Ul'ianov. A. F. Solov'ev. Vest. vys. shkoly 21 no. 10:46-50 O '63.

UL'IANOVA, MARIIA IL'INICHNA, 1878-1937

Ershov, D. A. Mariia Il'inichna Ul'ianova. Ul'ianovsk, Ul'ianovskoe knizhnoe izd-vo, 1963. 133 p.

ULTRASONIC TESTING

Effect of admixtures and heat treatment on ultrasound absorption in copper single crystals. I. H. Polots'kyi, V. F. Taborov. Dop. AN URSR no. 12:1605-1609 '61.

ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS

Application of ultrasonic waves in the manufacture of paint materials. L. B. Kotliarskii and others. Lakokras. mat. i ikh prim. no. 5:51-57 '63.

Dispersion of paint pigments in the binder by means of ultrasonic waves. N. M. Korablev, N. M. Voroshilova, E. E. Shkol'man. Lakokras. mat. i ikh prim. no. 4:56-59 '62.

Industrial application of ultrasonic waves for the degassing of aluminum alloys. G. I. Eskin, V. I. Slotin. Alium. splavy no. 1:139-149 '63.

ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT

Effect of ultrasonic waves on the activity of some enzyme systems of erythrocytes in healthy people and in cancer patients [with summary in English]. B. IU. Sal'nik, I. A. Serebrennikova, T. S. Fedorova. Trudy TomNIIVS 12:292-296 '60.

ULTRASONIC WAVES—SPEED

Temperature dependence of ultrasound velocity in PbSe single crystals in the range 80°-640°K. A. A. Chudinov. Kristallografiia 8 no. 3:473-475 My-Je '63.

ULTRASONICS—INDUSTRIAL APPLICATIONS

Use of ultrasonics in studying the electric properties of rocks. E. I. Parkhomenko. Trudy Inst. fiz. Zem. no. 23:91-96 '62.

ULTRAVIOLET RAYS

Use of short-wave ultraviolet radiation in work rooms of the V. I. Lenin All-Union State Library. V. A. Zverev. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 1:91-92 '60.

ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT

Establishing optimal doses of ultraviolet radiation for young pigs. A. N. Melikov. Trudy VIZH 24:396-402 '62.

ULTRAVIOLET RAYS—THERAPEUTIC USE

Joint irradiation with ultraviolet and infrared rays. IU. D. Zhilov. Vop. kurortologii i fiziot. fiz. kul't. 27 no. 4:363-365 Jl-Ag '62.

Ultraviolet irradiation of animals and poultry under conditions of production. A. N. Melikov, L. I. Ryzhenkov, Z. V. Cherniak. Veterinariia 37 no. 2:67-69 F '60.

ULTRAVIOLET SPECTRUM see Spectrum, Ultraviolet

UL'YANOVSK—AUTOMOBILE INDUSTRY

At the front boundaries. M. Leonidov. Za rul. 21 no. 6:8 Je '63.

UL'YANOVSK—CONVEYING MACHINERY

At the front boundaries. M. Leonidov. Za rul. 21 no. 6:8 Je '63.

UL'YANOVSK—VETERINARY MEDICINE—STUDY AND TEACHING

Teaching a course of noninfectious diseases of young farm animals at the Veterinary Faculty of the Institute. S. N. Chevskii. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:27-32 '61.

UL'YANOVSK PROVINCE—POULTRY BREEDS

Productive qualities of Pantsir hens. L. G. Tarabrina. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:105-107 '61.

UNDERDEVELOPED AREAS

"Assistance to underdeveloped countries;" [in German] book review. K. Hesse. Nar. Az. i Afr. no. 5:219-220 '63.

Collapse of the world system of colonialism. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 4:95-99 Jl-Ag '63.

Marxism-Leninism on the noncapitalist development paths of underdeveloped countries and peoples. M. P. Troitskaia. Uch. zap. Tadzh. un. 23, Trudy Kaf. polit. ekon. no. 1:29-46 '59.

New books published abroad. Mir. ekon. i mezhdunar. otn. no. 10:155-157 '63.

West German monopolies are against the industrialization of the developing countries. S. Fil'shtinskii. Vnesh. torg. 43 no. 10:46-47 '63.

UNDERDEVELOPED AREAS—POLITICS

A constituent part of the revolutionary movement. E. Kuskov. Agitator no. 18:7-12 S '63.

Khrushchev, N. S. [The national liberation movement; from addresses of 1956-1963] O natsional'no-osvoboditel'nom dvizhenii, iz vystuplenii 1956-1963 gg. Moskva, Izd-vo lit-y na inostr. iazykakh, 1963. 95 p.

UNDERDEVELOPED AREAS—SOCIAL CONFLICT

The working class and national liberation revolutions. V. Kiselev. Mir. ekon. i mezhdunar. otn. no. 10:93-98 '63.

UNDERGROUND CONSTRUCTION

Calculating the stability of flat roof chambers. TS. Gomes, K. V. Ruppeneit. Trudy VNIIST no. 12:122-201 '62.

Estimating the stability of leaching chambers of rectangular cross section. L. N. Kisler, V. V. Matvienko, M. A. Dolgikh. Trudy VNIIST no. 12:112-121 '62.

Estimating the stability of structural elements to be used in underground construction. K. V. Ruppeniet, V. V. Matvienko. Trudy VNIIST no. 12:3-73 '62.

UNDERGROUND GASIFICATION OF COAL see Coal gasification, Underground

UNDERPASSES see subdivision under Moscow

UNDERWATER ACOUSTICS

Prospects for increasing the range of hydroacoustical means of observation. A. L. Prostakov. Mor. sbor. 47 no. 11:67-74 N '63.

UNDERWATER PIPELINES
(see also subdivision under Caspian Sea)

Determining the slope of embankments of underwater pipeline trenches in loose soils. A. A. Kurilov, V. I. Simakov, IU. S. Davydov. Stroi. truboprovodov. no. 10:15-16 Ag '63.

UNDERWATER PIPELINES—MAINTENANCE AND REPAIR

Levin, S. I. [Prevention of breaks and the repair of underwater pipelines] Preduprezhdenie avarii i remont podvodnykh truboprovodov. Moskva, Gostoptekhizdat, 1963. 183 p.

Underwater repair of the pipeline insulation with polymeric coating. V. B. Serafimovich. Stroi. truboprov. 8 no. 8:20 Ag '63.

UNDERWATER TELEVISION

Television eye explores the depths of the sea. G. Shkil'ko. Tekh. mol. 31 no. 8:1 '63.

UNDULANT FEVER see Brucellosis

UNGULATA see subdivision under Askaniya-Nova Preserve

UNION OF SOVIET SOCIALIST REPUBLICS see Russia

UNITED ARAB REPUBLIC—ECONOMIC CONDITIONS

"Petroleum on the road to Damascus" [in Italian] by Z. Algardi, book review. Nar. Az. i Afr. no. 3:232-233 '63.

UNITED NATIONS

Brief reviews of new books. Sov. gos. i pravo no. 10:166-169 O '63.

Events in the Congo and the role of the United Nations. V. G. Poliakov. Nov. i noveish. ist. no. 5:10-19 '63.

Moka, George. [Legal nature and legal force of decisions of the General Assembly of the United Nations] Pravovaia priroda i iuridicheskaia sila reshenii Generalnoi Assamblei OON, avtoreferat dissertatsii na soiskanie uchenoi stepeni kandidata iuridicheskikh nauk. Nauchnyi rukovoditel' E. A. Korovin. Moskva, Mosk. univ. 1962. 15 p.
[MICROFILM]

Our commentaries. Nov. vrem. 21 no. 43:3-5 O '63.

UNITED NATIONS—COMMISSIONS

Conference of specialists on the by-products of the chemistry of the Committee on Coal in the European Economic Commission of the United Nations. M. M. Dmitriev. Met. i gornorud. prom. no. 4:85-88 Jl-Ag '63.

Problems that worry mankind [with summary in Eng. p. 72]. M. Pushkareva, D. Andreev. Vneshtorg. 43 no. 10:28-31 '63.

UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE

Real possibilities. N. Arkad'ev. Mir. ekon. i mezhdunar. otn. no. 10:115-117 '63.

UNITED STATES—AGRICULTURE

Modern America's Achilles' heel. G. Faktor. Sel'khoz. 34 no. 9:110-117 S '63.

UNITED STATES—ARMED FORCES

"Fire brigade" of the Pentagon. O. Rzheshevskii, V. Zhukov. Voen. vest. 43 no. 7:118-120 Jl '63.

UNITED STATES—ATOMIC SHIPS

Brief news from foreign countries. Mor. flot 23 no. 8:43 Ag '63.

UNITED STATES—ATOMIC SUBMARINES

Deactivation of the internal surface of circuits in nuclear power plants. E. A. Konstantinov, K. V. Tarasov. Mor. sbor. 47 no. 11:74-76 N '63.

UNITED STATES—AUTOMATION

Review of John Wilcox's book "Economic problems of automation in the U. S. A." Translated from English by T. A. Vvedenskii. Avt. prom. 29 no. 8:47 Ag '63.

UNITED STATES—BALANCE OF PAYMENTS

Arms race and the American balance of payments. M. Zakhmatov. Nov. vrem. 21 no. 39:14-15 S '63.

UNITED STATES—BLAST FURNACES

Technical trends in the expansion of blast furnace practices in the United States. N. K. Shilarenko. Met. i gornorud. prom. no. 4:91-93 Jl-Ag '63.

UNITED STATES—BRIDGE WHIST

A precedent established by American courts of justice. E. S. Sov. iust. no. 13:27 Jl '63.

UNITED STATES—BUSINESS

Business history in the service of American monopolies [with summary in English, pp. 221-222]. A. A. Fursenko. Vop. ist. 38 no. 10:84-94 O '63.

UNITED STATES—CHEMICAL INDUSTRIES

The chemical industry of the United States. P. Frumin. Mir. ekon. i mezhdunar. otn. no. 10:98-107 '63.

UNITED STATES—CITY PLANNING

Akademiia stroitel'stva i arkhitektury SSSR. TSentral'. nyi nauchno-issledovatel'skii institut nauchnoi informatsii po stroitel'stvu i arkhitekture. [City planning and transportation; effect of the movement of traffic on the design of central regions of the United States and England] Planirovka gorodov i transport; vliianie transportnogo dvizhentia na planirovku tsentral'nykh raionov SShA i Anglii. Moskva, Gosstroiizdat, 1963. 116 p. (Its Opyt zarubezhnogo stroitel'stva, no. 7)

UNITED STATES—CIVIL WAR—FOREIGN PUBLIC OPINION

Nikolai Turgenev, a Russian Decembrist, and the struggle against slavery in the U.S.A. V. M. Tarasova. Vop. ist. 38 no. 10 209-212 O '63.

UNITED STATES—CLOTHING INDUSTRY—PACKAGING

Automatic packaging of clothing goods (from "The Manufacturing Clothier," no. 5, 1960). Shvein. prom. no. 3 3 of cover Je-Jl [i.e. My-Je] '61

UNITED STATES—COAL GASIFICATION, UNDERGROUND

Experimental operations in the field of underground coal gasification carried on in the U. S. A. in 1960. S. A. Luzhnikov, V. P. Il'ichenko. Nauch. trudy VNIIPodzemgaza no. 8 115-127 '63.

UNITED STATES—COMMERCE—RUSSIA

American business and the Soviet Union. G. Shishkin. Nov. vrem. 21 no. 44 11-12 N '63.

Such contacts are extremely useful. Ernesto Rubin. Vneshn. torg. 43 no. 10 26-27 '63.

UNITED STATES—COMMUNIST PARTY

Ideological struggle against American "leftists" (from "Political affairs," no. 8, 1963). Vop. ist. KPSS 7 no. 10 57-68 O '63.

UNITED STATES—CRIME AND CRIMINALS

In the jungle of crime. IU. V. Rad. pravo no. 4 116-117 Jl-Ag '63.

UNITED STATES—DIESEL LOCOMOTIVES

Booster diesel locomotive with a 5,000 hp capacity. I. P. Ugarov. Elek. i tepl. tiaga 7 no. 10,39 O '63.

UNITED STATES—DISARMAMENT—ECONOMIC ASPECTS

Disarmament will be only beneficial to the American workers. B. Coleman. Vnem. prof. dvizh. no. 10 24-27 O '63.

UNITED STATES—ECONOMIC CONDITIONS

Class mechanism of the "New Frontier." S. Men'shikov. Nov. vrem. 21 no. 44 29-31 N '63.

Franklin D. Roosevelt's "New Deal" in the interpretation of an English periodical. N. V. Sivachev. Nov. i noveish. ist. no. 5 170-171 '63.

UNITED STATES—ETHNOLOGY

Akademiia nauk SSSR. [Present-day American ethnography; theoretical trends and tendencies] Sovremennaia amerikanskaia etnografiia; teoreticheskie napravlenita i tendentsii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 207 p.

UNITED STATES—FLOTATION

Flotation reagents in the U. S. A. S. I. Gorlovskii, V. V. Rybkina. Ikul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10 102-104 '63.

UNITED STATES—FOREIGN ECONOMIC RELATIONS

Kostiukhin, D. I. [Foreign economic policy of the U. S. A.] Vneshneekonomicheskaia politika SShA. Moskva, Sotsekgiz, 1963. 343 p.

UNITED STATES—FOREIGN ECONOMIC RELATIONS—ASIA

"U.S. neocolonialism and the undeveloped countries of Asia" by R. A. Ul'ianovskii. Reviewed by V. M. Kollontai. Nar. Az. i Afr. no. 5 189-197 '63.

UNITED STATES—FOREIGN ECONOMIC RELATIONS—INDIA

Aleksandrov, M. A. [Economic expansion of the U. S. A. in India (1947 to 1961)] Ekonomicheskaia ekspansiia SShA v Indii (1947-1961). Moskva, Izd-vo vostochnoi lit-ry, 1963. 127 p.

UNITED STATES—FOREIGN ECONOMIC RELATIONS—PAKISTAN

High price. M. Nikolaev. Az. i Afr. seg. no. 11:58 N '63.

UNITED STATES—FOREIGN ECONOMIC RELATIONS—TURKEY

Turkish-American dissentions on the problem of the development of the Turkish economy. B. M. Potskhveriia. Krat. soob. Inst. nar. Az. no. 56:40-53 '63.

UNITED STATES—FOREIGN RELATIONS

Crisis of imperialist policy. V. Granov. Polit. samoobr. 7 no. 7:92-101 Jl '63.

Foreign policy of the United States: Crisis of the post-war course and the conflict of opposing trends. I. Lemin. Mir. ekon. i mezhdunar. otn. no. 10:27-40 '63.

Manifesto of William Douglas. A. Bel'skaia. Nov. mir 39 no. 1 278-280 Ja '63.

Where does the American eagle look? IUrii Zhukov. Mezhdunar. zhizn' 10 no. 12:75-85 D '63

UNITED STATES—FOREIGN RELATIONS—CUBA

Keep away from Cuba! M. Mykhal'chuk. Ukraina no. 19 2 O '62.

UNITED STATES—FOREIGN RELATIONS—DOMINICAN REPUBLIC

The mistake of President Bosch. P. Nikolaev. Nov. vrem. 21 no. 43 20-21 O '63

UNITED STATES—FOREIGN RELATIONS—FORMOSA

The role of the Liao Wen-i group in the aggressive plans of the United States in Taiwan. V. N. Baryshnikov. Krat. soob. Inst. nar. Az. no. 56:119-129 '63.

UNITED STATES—FOREIGN RELATIONS—FRANCE

France and the U. S. A.: The lingering controversy across the ocean. L. Vidiasova. Mezhdunar. zhizn' 10 no. 12:32-41 D '63

UNITED STATES—FOREIGN RELATIONS—GREECE

What did the transoceanic "benefactors" bring to Greece? V. Kondrat'ev. Otv na vop. trud no. 1 37-44 Ja '63

UNITED STATES—FOREIGN RELATIONS—LATIN AMERICA

Cuban revolution and Latin America. S. Mikhailov. Mezhdunar. zhizn' 10 no. 12:62-69 D '63

Decline of the era of Pan-Americanism. V. Tarasov. Mezhdunar. zhizn' 10 no. 12 131-135 D '63.

UNITED STATES—FOREIGN RELATIONS—RUSSIA

Contacts between U. S. S. R. and U. S. scientists, on the 100th anniversary of the National Academy of Sciences of the United States. Vest. AN SSSR 33 no. 10 86-90 O '63.

Cooperation is the best weapon. B. Dmitriev. Mezhdunar. zhizn' 10 no. 12 103-104 D '63.

Our visit to U.S. seismologists. E. S. Borisevich. Vest. AN SSSR 33 no. 10:75-79 O '63.

This is the only reasonable way. Ukraina no. 13,6 Je '61.

UNITED STATES—FOREIGN RELATIONS—TREATIES

Abrogation of the Anglo-Japanese Alliance and the Four-Power Treaty, 1921. G. B. Navlitskaia. Krat. soob. Inst. nar. Az. no. 61:75-89 '63.

UNITED STATES—FOREIGN RELATIONS—YUGOSLAVIA

President Tito in America. V. B. Nov. vrem. 21 no. 43 14-15 O '63.

UNITED STATES—GOVERNMENT SPENDING POLICY

Government purchases serve the interests of American monopolies. V. A. Andrievskaia. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 5 28-41 S-O '63.

UNITED STATES—HISTORIOGRAPHY

Business history in the service of American monopolies [with summary in English, pp. 221-222]. A. A. Fursenko. Vop. ist. 38 no. 10:84-94 O '63.

UNITED STATES—HISTORY, NAVAL

"Diplomatic struggle of the U. S. A. for dominion of the sea and the rivalry of imperialist states" by Z. M. Solontsov. Reviewed by G. N. Sevost'ianov. Nov. i noveish. ist. no. 5 133-135 '63.

UNITED STATES—INDIANS, TREATMENT OF

Fate of Hiawatha's descendants. V. U. Nov. vrem. 21 no. 44:28 N '63.

UNITED STATES—INSURANCE, SOCIAL

Social insurance in capitalist countries. Sots. obesp. 24 no. 10 60-63 O '63.

UNITED STATES—JUSTICE, ADMINISTRATION OF

Racist justice. A. Gurkov. Sov. iust. no. 19:27-29 O '63.

UNITED STATES—LABOR AND LABORING CLASSES

Class mechanism of the "New Frontier." S. Men'shikov. Nov. vrem. 21 no. 44:29-31 N '63.

UNITED STATES—LATIN AMERICAN STUDIES

U. S. bourgeois historians on the problems of Latin America. V. B. Tarasov. Nov. i noveish. ist. no. 5 171-172 '63.

UNITED STATES—LAW—CASES

A precedent established by American courts of justice. E. S. Sov. iust. no. 13:27 Jl '63.

UNITED STATES—MARINE ENGINEERING

Using computing machines in ship control systems. V. P. Evtoev, V. A. Maksimov. Sudostroenie 29 no. 9: 66-67 S '63.

UNITED STATES—MOTION-PICTURE PLAYS

Between a roaring lion and the Statue of Liberty. E. Karteseva. Iskusstvo kino 33 no. 7 121-126 '63.

"Inherit the wind." V. Nedelin. Iskusstvo kino 33 no. 7:134-138 '63

UNITED STATES—MUNITIONS

Government purchases serve the interests of American monopolies. V. A. Andrievskaia. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 5 28-41 S-O '63

UNITED STATES—NAVY

"Floating arsenals" of the Pentagon. A. Grishin. Az. i Afr. seg. no. 11 56-57 N '63

UNITED STATES—NAVY—COMMUNICATION SYSTEMS

Communication with submarines. S. D. Kurliandskii. Mor. sbor. 46 no. 7 80-85 Jl '63.

UNITED STATES—OCEANOGRAPHIC RESEARCH

Float for oceanographic research. L. V. Tarengol'ts. Okeanologiia 3 no. 4 753 '63.

UNITED STATES—OPEN HEARTH PROCESS

Using oxygen in open-hearth furnace practice in the United States. I. N. Lur'e. Stal' 23 no. 10,905-907 O '63.

UNITED STATES—ORE DRESSING

Nodulizing of ores and concentrates. N. V. Fedorovskii, N. K. Skliarenko. Met. i gornorud. prom. no. 4 90-91 Jl-Ag '63.

Ore blending system [translated by N. K. Skliarenko]. Met. i gornorud. prom. no. 4 93-94 Jl-Ag '63.

UNITED STATES—PAPER INDUSTRY

In the American woodpulp and paper industry. Bum. prom. 38 no. 10 31 O '63.

UNITED STATES—PAPER INDUSTRY—EQUIPMENT AND SUPPLIES

Manufacture of technological equipment for the woodpulp and paper industry in the U. S. A. Bum. prom. 38 no. 10 31 O '63.

UNITED STATES—PEACE CORPS

What is the "Peace Corps." A. Vasil'ev. Polit. samoobr. 7 no. 11:61-65 N '63.

UNITED STATES—PIGMENTS

Development of the manufacture of new pigments. A. A. Belovitskii, Lakokras. mat. i ikh prim. no. 4:76-79 '62

UNITED STATES—POLITICS AND GOVERNMENT

Barry Goldwater, first among the "possessed." G. Shakhov. Mir. ekon. i mezhdunar. otn. no. 10 144-148 '63.

UNITED STATES—RACE QUESTION

"Explosive problem." V. Kozlakov. Mezhdunar. zhizn' 10 no. 12:108-109 D '63.

In the notebooks of propagandists. Komm. Bel. 37 no. 10:64-66 O '63.

The Negro problem in the U. S. A. [with summary in English, p. 188]. E. L. Nitoburg. Nov. i noveish. ist. no. 5. 41-55 '63.

A new stage of the Negro liberation movement in the United States. Benjamin Davis. Polit. samoobr. 7 no. 11.47-49 N '63.

The plague of racism. Nov. vrem. 21 no. 39:3 S '63.

Racism at the service of American military circles. T. K. Belashchenko. Mor. sbor. 47 no. 11:81-86 N '63.

Racist justice. A. Gurkov. Sov. iust. no. 19:27-29 O '63.

Unity of the American Negroes. James Jackson. Nov. vrem. 21 no. 39:16-17 S '63.

We want freedom, work and equality right now! Leonid Velichanskii. Ogonek 41 no. 37:7-8 S '63.

UNITED STATES—REFRACTORY MATERIALS

Refractories in the United States ferrous metallurgy. N. K. Skliarenko. Met. i gornorud. prom. no. 5 86-88 S-O '63.

UNITED STATES—REGIONAL PLANNING

Formation and development of a "regional science" in the U. S. A. IU. G. Saushkin. Vest. Mosk. un. Ser 5. Geog. 18 no. 6:84-87 N-D '63.

UNITED STATES—RELATIONS (GENERAL) WITH RUSSIA

Important landmark in the development of Soviet-American relations. I. I. Artobolevskii. Mir. nauki no. 4:15-17 '62.

UNITED STATES—RELATIONS (MILITARY) WITH SOUTHEASTERN ASIA

Maneuvers of American imperialism in Southeastern Asia. S. Nesterov. Mir. ekon. i mezhdunar. otn. no. 10 66-77 '63.

UNITED STATES—RESEARCH

State monopoly capitalism and scientific and technological progress IU. Sheinin. Mir ekon. i mezhdunar otn no 10 55-65 '63

UNITED STATES—STEEL INDUSTRY

Conference of United States steelmakers. D. A. Smoliarenko, V. D. Smoliarenko. Met. i gornorud. prom. no.5: 84-86 S-O '63.

UNITED STATES—STEEL INDUSTRY—PRICES

Revenge of the "steel kings." B. Maklliarskii. Mir. ekon i mezhdunar otn no.10 117-120 '63.

UNITED STATES—STRIKES AND LOCKOUTS

In the notebooks of propagandists. Komm. Bel. 37 no. 10 64-66 O '63.

UNITED STATES—TANK VESSELS

Tragedy on the ocean. D. Eidel'man. Mor. flot 23 no. 9: 42-13 S '63.

UNITED STATES—TAXATION

Consultation Mezhdunar zhizn' 10 no. 12 144-149 D '63.

UNITED STATES—UNITIZED CARGO SYSTEMS

Operation of specialized container ships in the United States. V. S Bondarenko Biul tekh -ekon. inform Tekh upr. Min. mor. flota 7 no 12 65-77 '62.

UNITIZED CARGO SYSTEMS
(see also subdivision under United States)

Organizing the removal of imported packaged peace goods from sea harbors by railroad transportation. A. Brium, A Kleiman Mor. flot 23 no 9 12-14 S '63.

UNITS

Introduction of the international unitary system in the U. S. S. R V. P. Korotkov. NTI no. 2 19-22 '63.

UNIVERSITIES AND COLLEGES—ENCRANCE REQUIREMENTS

[Handbook for those entering institutions of higher learning of the U. S. S. R. in 1963] Spravochnik dlia postupaiushchikh v vysshie uchebnye zavedeniia SSSR v 1963 g. Moskva, Vysshaia shkola, 1963. 142 p.

UNIVERSITIES AND COLLEGES—GRADUATE WORK
see subdivision under Uzbekistan

UNSATURATED COMPOUNDS

Hydrogenation of unsaturated compounds in buffer solutions. A. M. Sokol'skaia, S. M. Reshetnikov, D. V. Sokol'skii. Dokl. AN SSSR 152 no. 6, 1369-1372 O '63.

Low-temperature diene synthesis I. A. Favorskaia, E. M. Auvinen. Zhur. ob. khim. 33 no. 8 2799-2796 Ag '63.

New method of synthesizing phosphinic and thiophosphinic acid esters. Part 40 Addition of acid phosphites, diphosphites, phenylphosphine to unsaturated electrophilic reagents containing one or two double bonds. A. N. Pudovik, M. A. Pudovik. Zhur. ob. khim. 33 no. 10, 3353-3358 O '63.

Oxides of some higher alkylidene acetones. I. G. Tishchenko, O. N. Bubel', I. P. Zlat'kov. Zhur ob. khim 33 no 8 2613-2617 Ag '63.

Synthesis of mixed silazanes with unsaturated radicals at the silicon atom. D. IA. Zhinkin, N. V. Markova, M. V. Sobolevskaia. Zhur. ob. khim. 33 no. 8 2638-2640 Ag '63.

Synthesis of some α,β-unsaturated aromatic ketones and their vinyl analogs. V. F. Lavrushin, V. P. Dziuba. Zhur. ob. khim. 33 no. 8, 2581-2585 Ag '63.

URACIL

Interaction of uracil with derivatives of acrylic acid IU P. Shvachkin, M T. Azarova, I. L. Rapanovich Vest Mosk. un. Ser 2 Khim. 18 no 5, 68-69 S-O '63

URACIL—ANALYSIS

Iodochlorometric method of determining pentosyl and metacil [with summary in English]. P. P. Suprun. Apt. delo 12 no. 5, 40-43 S-O '63.

URAL MOUNTAIN REGION—AGRICULTURE—CONGRESSES

Increasing labor productivity and reducing the cost of agricultural products in the trans-Ural region. N. Anisimov. Ekon. sel'khoz. 34 no. 10, 119-124 O '63.

URAL MOUNTAIN REGION—ARCHITECTURE—STUDY AND TEACHING

Problems of training architects in Siberia and the Urals. V. Perlin, G. Nagornanskii. Arkhit. SSSR no. 8: 44-51 '63.

URAL MOUNTAIN REGION—COMMERCE

Forge shop of socialist industry. L. Baulin. Vnesh. torg. 43 no. 10 32-35 '63.

URAL MOUNTAIN REGION—ELECTRIC POWER PLANTS

Dedusting the fuel feed channels in the Ural Mountain region electric power plants. G. D. Brekson. Prom. vent. no. 9 120-124 '60.

URAL MOUNTAIN REGION—FOUNDATIONS

Regional design norms for foundations for use by Ural foundation workers. L. I Korzhenko, V. B. Shvets Osn. fund. i mekh. grun. 5 no. 4 26-27 '63.

URAL MOUNTAIN REGION—INDUSTRIES

Forge shop of socialist industry L Baulin. Vnesh. torg. 43 no 10 32-35 '63.

URAL MOUNTAIN REGION—PHYTOPLANKTON

Development of phytoplankton in lakes and reservoirs of the Urals and the Ural region S N Ulomskii Trudy Gidrobiol ob-va 13 126-145 '63

URAL MOUNTAIN REGION—PUBLIC HEALTH—CONGRESSES

"Transactions of the Medicohistorical Conference of the Ural-Siberian Province." Reviewed by F E. Zabludovskii. Zdrav. Ros. Feder. 7 no. 11 10 N '63.

URAL MOUNTAIN REGION—SABLES

Pavlinin, V. N. [Tobol'sk sable; its morphological outline and the problem of interspecific hybridization] Tobol'skii sobol'; areal, ocherk morfologii, problema mezhvidovoi gibridizatsii. Sverdlovsk, 1963. 111 p. (Akademiia nauk SSSR. Ural'skii filial. Sverdlovsk. Institut biologii Trudy, no 34)

URAL MOUNTAINS—GEOLOGY, STRUCTURAL

Convergence of the Ural Mountains and the Russian Platform. T. N. Simonenko, M. M. Tolstikhina Trudy VSEGEI 85 131-135 '63.

URAL MOUNTAINS—PALEONTOLOGY, STRATIGRAPHIC

Finds of Eifel fauna and general development features in the Devonian of the eastern and western slopes of the Southern Urals. A. D. Petrovskii. Dokl. AN SSSR 152 no. 4: 904-907 O '63.

URAL MOUNTAINS—ROCKS, SEDIMENTARY

Lithology and conditions governing the formation of the Asha series in the western slope of the Central Urals A. A. Kukharenko Uch. zap LGU no 310: 245-271 '62

URAL VALLEY—FIELD MICE

Ecology of the wood vole Clethrionomys glareolus Schreb. in western Kazakhstan. A. N. Zaleskii. Trudy Kaz. NIIZR 7 573-576 '62.

URANINITE

Some characteristics of the paragenesis of pitchblende and calcite. G. A. Tananaeva. Geol. rud. mestorozh. 5 no. 5: 55-61 S-O '63.

URANIUM

Methods of studying the primary halo of dispersed uranium and admixture elements in hydrothermal deposits G E Narvait and others Vest AN Kazakh SSR 19 no. 4 69-78 Ap '62

URANIUM—ANALYSIS

Automatic extraction-photometric method for the determination of uranium. P. N. Palei, A. A. Nemodruk, A. V Davydov. Trudy Kom. anal. khim 14: 281-291 '63.

Spectrophotometric study of the interaction of trivalent aluminum and hexavalent molybdenum ions with xylenol orange. Determination of aluminum and molybdenum in uranium [with summary in English] B. Budeshinskii Zhur. anal. khim. 18 no. 9: 1071-1074 S '63.

URANIUM ORES

Hydrothermal uranium mineralization associated with alkali intrusive complexes. T. V. Bilibina, V. I. Donatov, V. K. Tiltov. Geol. rud. mestorozh. 5 no. 5, 35-54 S-O '63.

URANIUM OXIDES

X-ray study of some binary oxides of uranium and vanadium. Van Shi-khua [Wang Shih-hua], L. M. Kovba, V. I. Spitsyn. Zhur. strukt. khim. 4 no. 5: 714-718 S-O '63.

URANYL ACETATES

Determination of sodium in chloride melts of the titanium production by a gravimetric zinc uranyl acetate method [with summary in English]. V N. Tikhonov, M IA. Grankina Zhur. anal. khim. 18 no. 7 900-902 Jl '63

Extraction of uranium as uranyl acetate with aniline and its solutions in organic solvents. A. A. Nemodruk. Trudy Kom. anal. khim. 14 141-147 '63.

URANYL COMPOUNDS

Effect of secondary processes on the law of luminescence damping of uranyl compounds. D. S. Umreiko. Dokl. AN BSSR 7 no. 4: 237-239 Ap '63

Methods for obtaining analytical uranium concentrates [with summary in English]. A. K. Babko, V. N Danilova Zhur. anal. khim. 18 no. 9: 1036-1041 S '63.

URANYL NITRATE CRYSTALS

Nuclear magnetic resonance of the crystal hydrates of uranyl nitrate. N. M. Aleksandrov and others. Zhur. strukt. khim. 4 no. 5: 762-763 S-O '63.

URBAN RENEWAL see subdivision under Leningrad

URBNISI—ANTIQUITIES

Tiflis. Muzei Gruzii. Urbnisskaia istoriko-arkheologicheskaia ekspeditsiia, 1954- Urbnisi. Tbilisi, Akad. nauk Gruzinskoi SSR [In Georgian with summary in Russian]

Vol. 1 Dzhavakhishvili, A. I., and L. I. Gioti [Archaeological excavations conducted from 1954 to 1961 on the site of Kvatskhelebi (Tbilisi kokhi)] Arkheologicheskie raskopki, proizvedennye v 1954-1961 gg na selishche Kvatskhelebi (Tbilisi-kokhi) 1962., plates.

(MH)

UREA

Agrochemical evaluation of urea. D. A. Korenkov. Zemledelie 25 no. 10 30-34 O '63.

Continuous method of producing guanidine from urea R. I. Spasskaia, S. N. Kazarnovskii. Khim. prom. no. 7: 488-491 Jl '63.

Effect of urea on the accuracy of the luminescent method for determining protein in milk. S V Kh. P. N. Saloshenko. Dokl. AN BSSR 7 no. 10 659-662 '63.

Herbicides and plant regulators. Part 39. Synthesis of some new derivatives of urea containing a cyclohexyl group. K D Shvetsova-Shilovskaia, S. R. Didkin, V. Mol'nikov. Zhur. ob. khim. 33 no. 10, 3147-3151 O '63.

Interaction in the ternary systems of urea and ammonium nitrate with sodium and potassium nitrates. K. V. A. G. Bergman. Zhur. prikl. khim. 36 no. 8 1654-1659 Ag '63.

Interaction of urea with sodium and potassium nitrates. A. G. Bergman, K. Nogoev. Zhur. prikl. khim. 3 no. 8 1864-1867 Ag '63.

Reaction of thiourea with α-bromobutyric acid. Part I: Characteristics of the reaction taking place at low concentrations of initial substances. E. D. Sverdlov and others. Zhur. ob. khim. 33 no. 10 3373-3378 O '63.

UREA AS FEED

Digestion processes in sheep fed corn silage enriched with carbamide. N D. Likhonosova. Trudy VIZH 24 211-217 '62.

Effect of cobalt on the increase of the utilization of carbamide nitrogen by sheep. A. V. Medianov, IU I. Rastskaia, A. M. Kholmanov. Trudy VIZH 24 203-210 '62.

Effectiveness of enriching corn silage with carbamide and ammonium sulfate. T. I. Sarbasova. Trudy VIZH 24 173-181 '62.

Feed value of various forms of carbamide. A. V. Medianov, N. I. Riza-zade, N. D. Likhonosova. Trudy VIZH 24, 182-199 '62.

Intensiveness of the inclusion of tagged nitrogen (N^{15}) of carbamide in the proteins of ruminant organs and tissues. I. B. Fridiland, M. I. Rambidi, V. S Ivanov. Trudy VIZH 24 200-202 '62.

Using urea in feeding young cattle II. S. Kytaieva Visnyk sil'hosp. nauky 6 no. 4: 102-107 Ap '63

URETERS—DISEASES

Case of prolapse of a ureterocele through the urethra externum. E. N. Sitdykov. Kaz. med. zhur. no. 1: 80-81 Ja-F '61.

Clinical aspects of disorders of the motor function of the ureters. I. F. Kharitonov. Kaz. med. zhur. no. 1: 36-39 Ja-F '61.

URETHANES

Study of the biological activity of some cardiovascular preparations on narcoticized animals and those not narcoticized. N. G. Poliakov. Sbor. nauch. trud. Tr. 3, 135-142 '62.

Use of foam polyurethan in the light industry. A. F. Goncharik. Biul. tekh. -ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10 99 '63.

URETHRA (FEMALE)—DISEASES

Case of prolapse of a ureterocele through the orifice urethrae externum. E. N. Sitdykov. Kaz. med. zhur. no. 1: 80-81 Ja-F '61.

URGAL VALLEY—ENGINEERING GEOLOGY

Conditions and experience in construction work in the Urgal region. N. A. Kalinin. Sbor. nauch. rab. IMGI no. 1: 49-69 '61.

URINARY ORGANS—CALCULI see Calculi, Urinary

URINE—ANALYSIS AND PATHOLOGY

Study of the effect of increased physical stress on the level of ascorbic acid excreted with the morning urine on an empty stomach [with summary in English]. V. Selivanova. Vop. pit. 22 no. 5: 75-77 Ja-F '63.

UROLOGY

Standards for rendering urological aid to the urban population. K. D. Panikratov. Zdrav. Ros. Feder. 7 no. 6-12 O '63.

URSOLIC ACID
Ursolic acid in plants. L. IU. Ivanovskaia, A. A. Riabinin, L. F. Barabanova. Zhur. ob. khim. 33 no. 10 3446-3447 O '63.

URUGUAY—TRADE UNIONS
The trade-union movement in Uruguay is on the upsurge. Luis Padilla. Vsem. prof dvizh. no 10 9 O '63.

USACHEV, PETR IVANOVICH, 1892-1962
Petr Ivanovich Usachev. V. G. Bogorov. Trudy Inst. okean. 71 3-4 '63.
Petr Ivanovich Usachev(1892-1962) L. A. Zenkevich, O. G. Reznichenko. Trudy Gidrobiol. ob-va 13 5-12 '61.

USHAKOV, NIKOLAI NIKOLAEVICH, 1899-
March of solemn thought, about the poetry of N. Ushakov V. Urban. Zvezda no 7:189-195 Jl '62

USMAN—DESCRIPTION
Shashkov, N. IA. Usman'. [Lipetsk] Lipetskoe knizhnoe izd-vo, 1962. 42 p. (Goroda nashei oblasti) (MH)

UST'-KAMENOGORSK—LEAD INDUSTRY—TECHNOLOGICAL INNOVATIONS
Keep it up! S. Il'in, L. Polner. Nar. khoz. Kazakh. 21 no. 8:38-42 Ag '63.

UST'-KAMENOGORSK—ZINC INDUSTRY—TECHNOLOGICAL INNOVATIONS
Keep it up! S. Il'in, L. Polner. Nar. khoz. Kazakh. 21 no. 8:38-42 Ag '63.

UST'-LABINSK DISTRICT—AGRICULTURE—ECONOMIC ASPECTS
Cooperators are farmers' faithful helpers. A. Belokhonov. Sov. potreb. koop. 7 no. 11 5-8 N '63.

UST'-LABINSK DISTRICT—COOPERATIVE SOCIETIES
Cooperators are farmers' faithful helpers. A. Belokhonov. Sov. potreb. koop. 7 no. 11:5-8 N '63.

UST'-PORT REGION—PALYNOLOGY
Some data on the palynological spectra of Karginskiy sediments in the Ust'-Port region. M. V. Barkova. Sbor. st. po paleont. i biostrat. no. 31 79-89 '63.

USTIUGOV, NIKOLAI VLADIMIROVICH, 1896-1963
Nikolai Vladimirovich Ustiugov; obituary. Vop. ist. 38 no. 10:217 O '63.

USTURT—CLIMATE
Zhilomirskaia, O. M., and I. G. Sabinina. [Climatic description of the Usturt] Klimaticheskoe opisanie Ustiurta. Leningrad, Gidrometeoizdat, 1963. 57 p.

USTURT—TRENCH DIGGING MACHINES
Using wheel excavators for digging trenches in the Usturt. A. S. Shatskii. Stroi. truboprov. 8 no. 9:23 S '63.

UTERUS—CANCER
Diagnosis of chorioma of the uterus. M. A. Davydova. Kaz. med. zhur. no. 1:48-51 Ja-F '61.
Method of radiotherapy for cancer of the corpus uteri. V. P. Tobilevich. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no 1 69-71 '61.
Relapses and metastases following treatment of cancer of cervix uteri of the first stage. R. A. Rodkina. Kaz. med. zhur. no. 1:51-53 Ja-F '61.

UTERUS—DISEASES
Akademiia meditsinskikh nauk SSSR, Moscow. [Intrauterine infection] Vnutriutrobnaia infektsiia. Pod red. S. M. Bekkera. Leningrad, Medgiz, 1963. 247 p. (DNLM)

UTERUS—SECRETIONS
Changes in the composition and properties of cervical secretion in cows. I. I. Sokolovskaia and others. Trudy VIZH 24:312-331 '62.
The pH of vaginal and cervical secretion in cows. V. G. Semakov, L. N. Gorokhov. Trudy VIZH 24 332-335 '62.
Relation between the physical properties of vaginal and cervical secretion and the state of ovaries in cows. L. N. Grokhov, V. G. Semakov. Trudy VIZH 24:336-343 '62.

UTERUS—SURGERY
Procreative function of women after conservative myomectomy. R. A. Kurbatova, V. A. Beliaeva. Kaz. med. zhur. no. 2:60-61 Mr-Ap '63.

UTERUS—TUMORS
Procreative function of women after conservative myomectomy. R. A. Kurbatova, V. A. Beliaeva. Kaz. med. zhur. no. 2:60-61 Mr-Ap '63.

UZBEK ART see Art, Uzbek

UZBEK LITERATURE—HISTORY AND CRITICISM
Fuzuli and Uzbek literature [in Azerbaijani with summary in Russian]. M. Gulizade. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 4:69-82 '63.
The great mission of artists and writers. Andrei Ivanov. Part. zhizn' [Uzb.] 6 no. 3:45-50 F '63

UZBEK PAINTING see Painting, Uzbek

UZBEKISTAN
The Uzbek Soviet Socialist Republic. B. Ferapontov. Komm. Uz. 35 no. 9 90-94 S '63

UZBEKISTAN—ACTINOMETRY
Vertical profiles of the components of radiation balance in Uzbekistan. E. A. Lopukhin. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no 11 54-72 '63

UZBEKISTAN—AGRICULTURAL ADMINISTRATION
In the Central Committee of the Communist Party of Uzbekistan. Part. zhizn' [Uzb.] 6 no 2 31-37 F '63
Vigorous work with agricultural personnel is the most important factor. N. Kuz'min, R. Plungian. Komm. Uz. 35 no. 8:60-66 Ag '63.

UZBEKISTAN—AGRICULTURAL EDUCATION
In school one learns useful work. M. M. Cherkasskii. Zemledelie 25 no. 10:82-83 O '63.

UZBEKISTAN—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR
We should have an ample number of workshops for the repair of agricultural machinery. Sh. IUldashev. Komm. Uz. 35 no. 8 41-47 Ag '63.

UZBEKISTAN—AGRICULTURE
A turning point in the development of Soviet agriculture. K. Lapkin. Komm. Uz. 35 no. 8 20-31 Ag '63.

UZBEKISTAN—AIR PILOTS
Heroes of the airways. M. Vyshedskii. Part. zhizn' [Uzb.] 6 no. 2:88-90 F '63.

UZBEKISTAN—ALKALIES
Distribution of rare alkalies and thallium in the rocks and minerals of granitoid massifs in western Uzbekistan and the central part of the Chatkal-Kuramа Ranges. I. Kh. Khamrabaev and others. Uzb. geol. zhur. 7 no. 3: 26-34 '63.

UZBEKISTAN—APARTMENT HOUSES, COOPERATIVE
Great possibilities of cooperative housing construction. I. Anisimov. Nar. khoz. Uzb. 5 no. 10, 68-69 O '63.

UZBEKISTAN—ART, RUSSIAN
A festival of socialist culture. Komm. Uz. 35 no. 10: 57-59 O '63.
Our teachers and brothers. R. Akhmedov. Komm. Uz. 35 no. 10:62-63 O '63.

UZBEKISTAN—BIBLIOGRAPHY
[Book chronicle of the State Book Chamber of the Uzbek S. S. R.] Knizh. let. Gos. knizh. pal. Uz. SSR nos. 1-3 Ja-Mr '59.

UZBEKISTAN—CHEMICAL INDUSTRIES
Facilitate the development of large-scale chemistry in Uzbekistan. G. Davydov. Nar. khoz. Uzb. 5 no. 10 19-22 O '63.

UZBEKISTAN—CLIMATE
Vertical profiles of the components of radiation balance in Uzbekistan. E. A. Lopukhin. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 11 54-72 '63.

UZBEKISTAN—COMMUNIST EDUCATION
Give constant attention to political education! Komm. Uz. 35 no. 9:14-23 S '63.

UZBEKISTAN—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK
Each party official should be a lecturer as well. Evg. Blok. Komm. Uz. 35 no. 9:68-72 S '63.
Let us spare no efforts in improving our ideological work. Komm. Uz. 35 no. 8:3-13 Ag '63.
Our ideological work should be more efficient and militant. V. Shchepotkina. Komm. Uz. 35 no. 8 81-[illegible] '63.
Rural Communists. M. Liakhovskii. no. 8:80-84 Ag '63.

UZBEKISTAN—COMMUNIST YOUTH LI
Faithful and efficient helpers of the par
Komm. Uz. 35 no. 10:20-26 O '63.

UZBEKISTAN—COMPOST
Effectiveness of manure-soil compost
of Uzbekistan. G. I. Abolina, D. Z. F
delie 25 no. 10:66-68 O '63.

UZBEKISTAN—CONSTRUCTION EQUIP
The construction industry should under
automation. F. Lashchivei, G. Ostro
Uzb. 5 no. 10:29-32 O '63.

UZBEKISTAN—COTTON
Radiation balance of the cotton fields o
in Uzbekistan. E. A. Lopukhin. Truc
nauch.-issl. gidrometeor. inst no 11

UZBEKISTAN—COTTON—FERTILIZERS AND MANURES
Placement of fertilizers in cotton crop rotations. B. I. Romanovskii. Trudy FergZOS no 2:133-141 '59

UZBEKISTAN—COTTON GROWING
The experience of the advanced should be shared by all. Part. zhizn' [Uzb.] 6 no. 2:3-8 F '63.
Intertillage of cotton fields. A. K. Kashkarov. Trudy FergZOS no. 2:103-126 '59.
Let's give our country 3,500,00 tons of cotton. Komm. Uz. 35 no. 9 3-13 S '63.

UZBEKISTAN—COTTON MACHINERY
Perfect machines must be given to cotton growers. P. Mirzaakhmedov. Part. zhizn' [Uzb.] 6 no. 2:28-30 F '63.

UZBEKISTAN—COTTON-PICKING MACHINERY
Harmful haste. E. Furman, N. Popov. Nar. khoz. Uzb. 5 no. 10:50-53 O '63.

UZBEKISTAN—CULTURE
Results of the Leninist nationalities policy. Ch. Abutalipov. Komm. Uz. 35 no 10 77-87 O '63.

UZBEKISTAN—DECORATION AND ORNAMENT, ARCHITECTURAL
"Architectural ornament of Uzbekistan" by L. I. Rempel'. Reviewed by N. Bachinskii, L. Bretanitskii. Nar. Az. i Afr. no. 5,224-226 '63.

UZBEKISTAN—ECONOMIC CONDITIONS
Results of the Leninist nationalities policy. Ch. Abutalipov. Komm. Uz. 35 no. 10 77-87 O '63.
The vanguard of Soviet people. Evg. Blok. Part. zhizn' [Uzb.] 6 no. 2:38-44 F '63.

UZBEKISTAN—ECONOMIC POLICY
The feeling of responsibility for entrusted work. Z. Esenbaev. Part. zhizn' [Uzb.] 6 no. 2:14-18 F '63
Supply the province's economy with a uniform development plan. F. IUldashev. Nar. khoz. Uzb. 5 no. 10, 13-17 O '63.

UZBEKISTAN—ELECTRIC POWER DISTRIBUTION
Problem of load peak in the consolidated Uzbek electric power system. I. N. Oranskii. Izv. AN Uz. SSR. Ser. tekh. nauk 7 no. 4:76-77 '63.
Problem of peak power. E. I. Monokrovich. Izv. AN Uz. SSR. Ser. tekh. nauk 7 no. 1 74-75 '63.

UZBEKISTAN—ELECTIONS
Soviets are an all-embracing workers' organization. I. Tokhtakhodzhaeva. Part. zhizn' [Uzb.] 6 no 2:51-56 F '63.

UZBEKISTAN—GAS INDUSTRY
Gas. R. Rakhimov, A. Tomchani. Nar. khoz. Uzb. 5 no. 10 34-37 O '63.
The gas industry as a factor in the development and distribution of the productive forces of Uzbekistan. N. Mun'ko. Komm. Uz. 35 no. 9 41-45 S '63.

UZBEKISTAN—GOLD ORES
Geology and conditions governing the distribution of mineralization of some gold-ore deposits in Uzbekistan. Kh. N. Baimukhamedov and others. Uzb. geol. zhur. 7 no. 3 11-16 '63.

UZBEKISTAN—GRASSES
Effectiveness of fall sowing of grasses. Z. P. Zhdarkina. Trudy FergZOS no. 2:163-167 '59

UZBEKISTAN—INDUSTRIES—BIBLIOGRAPHY
New books by Uzbekistan scholars. Nar. khoz. Uzb. 5 no. 10:12 O '63.

UZBEKISTAN—IRRIGATION
Give constant attention to the reorganization of
farm systems of irrigation and land reclar

UZBEKISTAN—MOTION PICTURES

"From spring to spring." D. Polimin. Uzbekistan 22 no 7 14 Ja '63.

UZBEKISTAN—ORE DEPOSITS

Interrelationship of skarn and ore mineralization in some skarn-ore deposits in eastern Uzbekistan and the Chatkal-Kurama region. I. M. Voronich. Uzb. geol. zhur. 7 no. 3 35-40 '63.

New concepts of the structure and distribution of endogenetic mineralization in western Uzbekistan based on geophysical data. N. B. Volf'son, V. G. Garbovets. Uzb. geol. zhur. 7 no. 3 62-69 '63.

UZBEKISTAN—PASTURES AND MEADOWS—FERTILIZERS AND MANURES

Effectiveness of "nitrophos" in meadow soils. E. I. Stolypin, I. M. Mester. Zemledelie 25 no. 10 39-40 O '63.

UZBEKISTAN—PLANTING TIME

Effectiveness of fall sowing of grasses. Z. P. Zhdarkina. Trudy Fitag/OS no. 2 163-167 '59.

UZBEKISTAN—POULTRY

Biological and economical characteristics of hybrid hens raised for meat in Uzbekistan. S. G. Azimov. Sbor. reb. mol. uch. VNIP no. 4 42-57 '62.

UZBEKISTAN—RUSSIAN LITERATURE

A festival of socialist culture. Komm. Uz. 35 no. 10 57-59 O '63.

UZBEKISTAN—SERICULTURE

Make fuller use of the hidden potentialities of sericulture. N. Khamzov. Komm. Uz. 35 no. 9 53-60 S '63.

UZBEKISTAN—SIEROZEM

Effectiveness of manure-soil composts in the Sierozems of Uzbekistan. G. I. Abolina, D. Z. Fatkhullaev. Zemledelie 25 no. 10 66-68 O '63.

UZBEKISTAN—SKARNS

Interrelationship of skarn and ore mineralization in some skarn-ore deposits in western Uzbekistan and the Chatkal-Kurama region. T. M. Voronich. Uzb. geol. zhur. 7 no. 3 35-40 '63.

UZBEKISTAN—SOCIAL SCIENCES—STUDY AND TEACHING

Let us improve the work of the departments of social sciences in the institutions of higher education. Kh. Saidov. Komm. Uz. 35 no. 8 72-79 Ag '63.

UZBEKISTAN—SOLAR RADIATION

Radiation balance of the cotton fields of some localities in Uzbekistan. E. A. Lopukhin. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 11 117-145 '63.

UZBEKISTAN—STATE FARMS—MANAGEMENT

Campaign for profitableness. Nar. khoz. Uzb. 5 no. 10 38-47 O '63.

Suggestions deserving attention. M. Orlianchik, N. Nogin. Nar. khoz. Uzb. 5 no. 7 66-70 Jl '63.

UZBEKISTAN—STOCK AND STOCKBREEDING—FINANCE

For profitable meat production in Uzbekistan. L. A. Grushetskii. Dokl. i soob. VNIESKH no. 15 46-55 '63.

UZBEKISTAN—THALLIUM

Distribution of rare alkalies and thallium in the rocks and minerals of granitoid massifs in western Uzbekistan and the central part of the Chatkal-Kurama Ranges. I. Kh. Khamrabaev and others. Uzb. geol. zhur. 7 no. 3 26-34 '63.

UZBEKISTAN—TRADE UNIONS

Noble duty of trade-union organizations. A. Bralov. Komm. Uz. 35 no. 8 33-40 Ag '63.

UZBEKISTAN—UNIVERSITIES AND COLLEGES—GRADUATE WORK

What hinders the training of academic personnel. F. Polezhaev. Nar. khoz. Uzb. 5 no. 10 73-75 O '63.

UZBOY VALLEY—BOTANY

Rustamov, I. G. [Vegetation in the middle and lower part of the western Uzboy] Rastitel'nost' srednei i nizhnei chasti Zapadnogo Uzboia. Ashkhabad, 1962. 160 p. (Ashkhabad. Turkmenskii gosudarstvennyi universitet. Uchenye zapiski, no. 9, pt. 4)

UZHUR DISTRICT—COOPERATIVE SOCIETIES

Is this the way to carry out pledges? V. Demko. Sov. potreb. koop. 7 no. 11 45-46 N '63.

UZHUR DISTRICT—SOCIALIST COMPETITION

Is this the way to carry out pledges? V. Demko. Sov. potreb. koop. 7 no. 11 45-46 N '63.

VACATIONS, EMPLOYEE

Applying total working time for various categories of workers of seasonal public-dining enterprises of the Main Administration of Public Dining of the Moscow Executive Committee. Regulation No. 253/18, July 23, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the Secretariat of the All-Union Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no. 10 18-20 '62.

Calculating the average earnings of workers who received bonuses for technological innovations to pay for their vacations and unused leave. Explanation No. 18/22, August 20, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no. 10 9 '62.

Granting leaves to students attending day institutions of higher learning who alternate their studies with work in production. Explanation No. 16, July 31, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. Biul. Gos. kom. po vop. truda i zar. platy no. 10, 21 '62.

Wages for vacation time. V. Korotkov. Sov. profsoiuzy 10 no. 17 43-45 S '63.

VACCINATION

Acrogenic method of vaccination against fowl plague. M. I. Prokof'eva, V. P. Golubnichai. Veterinariia 37 no. 2 35-38 F '60.

VACCINES

Comparative study of dry antirabic vaccine prepared by different methods [with summary in English]. G. E. Nebol'shova. Trudy TomNIIVS 12 275-280 '60.

Effect of different polyvalent preparations on the functional state of the blood system. Report No. 2. Acute hematological reaction in guinea pigs to the introduction of compound bacterial preparations [with summary in English]. E. I. Kleitman. Trudy TomNIIVS 12 165-169 '60.

Preservation of the properties of dry smallpox vaccine kept at various temperatures [with summary in English]. V. I. Boltukhina. Trudy TomNIIVS 12 281-284 '60.

Results of and prospects for active immunization with polyvalent preparations. G. V. Vygodchikov. Trudy TomNIIVS 12 147-154 '60.

VACUUM APPARATUS

Mathematical analysis of the operation of the screw in a vacuum press. G. D. Levitskii. Stek. i ker. 20 no. 8 31-38 Ag '63.

State of the vapor from a concentrated sugar solution boiling under vacuum. I. A. Trub. Izv. vys. ucheb. zav.; pishch. tekh. no. 4 134-135 '63.

Vacuum distribution of semiliquid feeds. N. Khlobystov. Tekh. v sel'khoz. 23 no. 6 24-27 Je '63.

VACUUM METALLURGY

Expansion of steel vacuuming in foreign countries. A. A. Shitov. Met. i gornorud. prom. no. 5 89-90 S-O '63.

VACUUM PUMPS

Rotary compressors and vacuum pumps with asbestos-base textolite blades. Iu. V. Peshti. Khim. mashinostr. no. 3 4-7 My-Je '63.

Use of rotary vacuum pumps with a liquid plunger for the evacuation of water-air mixtures. V. M. Grigor'ev, K. S. Bogoliubov. Khim. mashinostr. no. 3 39 My-Je '63.

VAGINA—DISEASES

Diagnosis and treatment of vulvovaginitis in children. L. I. Zavershinskaia. Kaz. med. zhur. no. 1 46-47 Ja-F '61.

VAGUS NERVE

Effect of adenine on the temperature inactivation of the action of the vagus nerve and acetylcholine. M. A. Poskonova, S. P. Aleksandriuk. Dokl. AN SSSR 152 no. 6 1487-1489 O '63.

VAISYTE, IRENA

Vaisyte, Irena [Training an actor to perform creatively] Formirovanie tvorcheskogo kharaktera aktera. Moskva, Vserossiiskoe teatral'noe ob-vo 1961. 196 p. (MIU)

VAKHSH VALLEY—SEISMOLOGY

Basic seismic data used in detailed seismic zoning of the Vakhsh River Valley. V. I. Bune. Trudy Inst. fiz. Zem. 28. Vop. inzh. seism. no. 8 77-86 '63.

VALDAI DISTRICT—ASPEN

Some problems of seasonal growth of the aspen. V. V. Smirnov. Soob. Lab. lesoved. AN SSSR no. 6 94-111 '62.

VALEV, VALENTIN TSANEVICH, 1901-

Tikhanova, V. A. Valentin Tsanevich Valev. Moskva, Sovetskii khudozhnik, 1958. 54 p., plates. (MH)

VALINE

Oxidation of thymine and valine [with summary in English]. Infusoria. A. S. Popov. Radiobiologiia [illegible] '62.

VALLEYS see subdivision under Transbaikalia

VALVES

Mechanized reseating of valves. Mor. flot [illegible] Ag '63.

VAN ALLEN RADIATION BELTS

Acceleration of electrons in the earth's radiation belts. V. N. Tsytovich. Geomagnetizm i aeronomiia 3 no. 5 [illegible] Ag '63.

Structure of the earth's radiation belts at an altitude of 320 km. S. N. Vernov and others. Geomagnetizm i aeronomiia 3 no. 5 812-815 S-O '63.

VANADIUM CARBIDES—TESTING

Concentration stability limits of vanadium carbide at 1800° C. N. M. Volkova, S. I. Alfimov. Izv. AN SSSR, Met. i gor. delo no. 5 131-[illegible] '63.

VANADIUM OXIDES

X-ray study of some binary oxides of titanium, vanadium. Van Shi-Khua [Wang Shih-hua], I. M. Puzakov, V. I. Spitsyn. Zhur. strukt. khim. 4 no. 5, [illegible] '63.

VANADIUM SALTS

Nuclear relaxation and the structure of solutions of vanadyl salts. A. I. Rivkind. Zhur. strukt. khim. 4 664-673 S-O '63.

VANADIUM STEEL—METALLOGRAPHY

Coagulation of the carbide phase in molybdenum-vanadium steels at temperatures lower than the A1 point. V. I. Pavlev, Iu. I. Makovilchik, [illegible] skaia. Izv. vys. ucheb. zav., chern. met. 6 no. 5 123-127 '63.

VAPOR-LIQUID EQUILIBRIUM

Investigating the experimental data on the [illegible] the system ethanol-water under atmo[illegible] V. I. Deviatko, V. N. Stabnikov. Izv. vys. ucheb. zav.; pishch. tekh. no. 1 120-122 '63.

Phase equilibrium between liquid and vapor [illegible] component system ethanol-water propanol [illegible] shev. Izv. vys. ucheb. zav.; pishch. tekh. [illegible] '63.

VAPOR PLATING

Conditions of formation of epitaxial germanium [illegible] G. A. Kurov. Fiz. tver. tela 5 no. 10 [illegible] '63.

VAPOR PRESSURE

Saturated vapor pressure of metallic [illegible] Poliachenok, G. I. Novikov. Zhur. fiz. khim. [illegible] 2786-2787 Ag '63.

VAPORIZATION, HEAT OF see Heat of vaporization

VAPORS

State of the vapor from a concentrated sugar [illegible] boiling under vacuum. I. A. Trub. Izv. vys. [illegible] pishch. tekh. no. 4 134-135 '63.

VARENTSOVA, OL'GA AFANAS'EVNA, 1862-1[illegible]

A few words about the biography of O. A. Varentsova. G. IA. Gorbunov. Ist. arkh. 8 no. 2 271-[illegible] '62.

VARIABLE STARS see Stars, Variable

VARIAMINE BLUE

Determination of gold in tungsten-based platinum [illegible] of variamine blue [with summary in English]. T. [illegible] stafin, N. S. Frumina, L. A. Agramovskaia, [illegible] khim. 18 no. 9 1054-1058 S '63.

VARIATION (BIOLOGY)

Study of the successive effect of X rays and [illegible] on the frequency of mutations and [illegible] [with summary in English]. K. V. Vatti. [illegible] Otd. biol. 7 189-193 '63.

VARICOCELE

State of the vascular and nerve apparatus of the [illegible] albuginea testis in varicocele. I. V. Kremenetskaia, [illegible] vookhranenie 6 no. 3 33-37 My-Je '61.

VARIETY STORES

This is not the limit. F. Badikbeili. Sov. torg. [illegible] no. 8 42-43 Ag '63.

VARNISH AND VARNISHING

Experience in the varnishing of wooden parts with [illegible] heated NTs-316M varnish. E. D. Soroka, L. V. [illegible] Lakokras. mat. i ikh prim. no. 5 69 '63.

VARNISH AND VARNISHING—DRYING

Mechanism of radiation drying of varnishes [with summary in English]. G. D. Rabinovich. Inzh.-fiz. [illegible] 6 no. 10 40-44 O '63.

VARVARA RESERVOIR—SHRIMPS

Transportation of shrimps to Mingechaur and Varvara Reservoirs. A. G. Kasymov. Ryb. khoz. 38 no. 11:36-37 '62.

VASES see subdivision under Volga Valley

VASIL'EV, BORIS DMITRIEVICH, 1890-1963

B. D. Vasil'ev; obituary. Osn. , fund. i mekh. grun. 5 no. 4 32 '63.

VASNETSOV, VIKTOR MIKHAILOVICH, 1848-1926

Book about V. Vasnetsov. V. Lobanov. Iskusstvo 26 no. 10 73 '63.

The "Heroes." A. Vasnetsov. Znan. -sila 38 no. 5:8-12 My '63.

VASOMOTOR NERVOUS SYSTEM see Nervous system, Vasomotor

VASYLEVS'KA, LIUDMYLA OLEKSIIVNA, 1861-1927

Contemporary of Lesia Ukrainka. Mykhailo Rosiyk. Ukraina no. 21:22 N '61.

VASYL'KO, VASYL' STEPANOVYCH, 1893-

A life devoted to the theater. V. Dobrovol'skyi. Mystetstvo 10 no. 3:34-35 My-Je '63.

VECTOR ANALYSIS

Krasnosel'skii, M. A., and others, [Vektor fields on a plane] Vektornye polia na ploskosti. Moskva, Fizmatgiz, 1963. 245 p.

VECTORCARDIOGRAPHY

Vector study of the electric forces of the heart in hypertension. Z. L. Dolabchian. Dokl AN Arm SSR 36 no 4 249-255 '63

VEGA CARPIO, LOPE FELIX DE, 1562-1635

Urin, V. S. [Social questions in the drama of Cervantes and Lope de Vega] Obshchestvennaia problematika dramaturgii Servantesa i Lope de Vega. Moskva, "Vysshaia shkola," 1963. 93 p. (V pomoshch' studentu-filologu)

VEGETABLE GARDENING

Heterosis in vegetable crops. D. D. Brezhnev. Priroda 52 no. 9:50-55 '63.

Practices in growing vegetables in gravel. O. O. IAsnykova, E. A. Alliev. Visnyk sil'hosp. nauky 6 no. 4:79-82 Ap '63.

VEGETABLE GARDENING—STUDY AND TEACHING

Cooperation between a school and an institute. V. Matiasen. Shkola i proizv. 7 no. 10:38-39 O '63.

VEGETABLE TRADE see subdivision under Kiev Province; Ryazhsk District

VEGETABLE TRADE—ACCOUNTING

Let's properly organize the delivery records of fruit and vegetables. M. Smorodin. Sov. torg. 36 no. 8:24-26 Ag '63.

VEGETABLES—CHEMICAL COMPOSITION see subdivision under Crimea

VEGETABLES—PRESERVATION

Economic efficiency of the various methods for the preservation of potatoes, cabbage and cucumbers. I. M. Pukhal'skii. Kons. i ov. prom. 18 no. 10:27-29 O '63.

VEGETABLES—STORAGE see subdivision under Kiev

VEGETABLES, CANNED

Content of manganese, nickel and aluminum in preserved vegetables. E. I. Solov'eva. Vop. pit. 22 no. 1:88-89 Ja-F '63.

VEGETATION AND CLIMATE

(see also subdivision under Indol Valley, Salgir Valley)

Forecasting method of the heat provision for the vegetative period. F. F. Davitaia. Meteor. i gidrol. no. 11: 3-11 N '63.

VEHICLES

From the pages of the "Zemlia i liudi" yearbook. Sem'ia i shkola 18 no. 11:26-28 N '63.

VEHICLES, MILITARY

Organization of fire from an armored carrier. P. Kramarenko, I. Fedotenkov. Voen. vest. 43 no. 7:104-106 Jl '63.

Our friends, the drivers. M. Vorob'ev. Sov. voin 45 no. 21:14-15 N '63.

VEKUA, IL'IA NESTOROVICH, 1907-

Akademiia nauk SSSR. Il'ia Nestorovich Vekua. Vstup. stat'ia I. I. Danilliuka. Bibliografiia sostavlena G. N. Finashinoi. Moskva, 1963. 45 p. (Materialy k bibliografii uchenykh SSSR. Seriia matematiki, no. 9)

VELIKIYE LUKI REGION—SEDIMENTATION AND DEPOSITION

Formation conditions of ribbon sediments on the hills and uplands of the Valdey glaciation area. A. I. Spiridonov. Vest. Mosk. un. Ser. 5: Geog. 18 no. 5:53-59 S-O '63.

VENDING MACHINES—STANDARDS

Automatic vending machines. N. I Zhukovskii. Standartizatsiia 27 no. 8 17 Ag '63.

VENEERS AND VENEERING

Staining veneer from Manchurian walnut and Kalopanax pictum. V. A. Morozov Der. prom. 12 no 8 22 Ag '63.

Veneer from pine. R. A. Trofimova, R. B. Kangun. Der. prom. 12 no. 8:21-22 Ag '63.

VENEREAL DISEASES—PREVENTION

Improvement of sanitary educational work and new organizational forms in the control of venereal diseases. I. S. Glazer, S. I. Berlin, V. B. Rapava. Vest. derm. i ven. 36 no. 10.73-75 O '62.

VENEREOLOGY—ATLASES

"Colored atlas of skin and venereal diseases" by P Popkhristov. P. V. Kozhevnikov. Vest. derm i ven. 36 no. 10 86 O '62.

VENETSIANOV, ALEKSEI GAVRILOVICH, 1780-1847

Venetsianov, A. G. [Aleksei Gavrilovich Venetsianov, reproductions of his works] Aleksei Gavrilovich Venetsianov, reproduktsii. [Moskva, Mosk. gor. sovnarkhoz, 1962] 1 v. (chiefly illus.) [Text signed by I. Klavdieva]
(MIU)

VENEZUELA—CATHOLIC CHURCH

The guard of the dictators of Venezuela. I. Kuznetsov. Nauka i rel. 4 no. 8:37-40 Ag '63.

VENEZUELA—ORCHIDS

Venezuelan beauty. Gabriel' Dokalskii. Priroda 52 no. 9:102-103 '63.

VENEZUELA—POLITICS AND GOVERNMENT

The guard of the dictators of Venezuela. I. Kuznetsov. Nauka i rel. 4 no. 8:37-40 Ag '63.

On the eve of Venezuelan elections. Ramon Fernandez. Nov. vrem. 21 no. 39:19-20 S '63.

Partisans in Venezuela. V. Listov. Mezhdunar. zhizn' 10 no. 12 86-91 D '63.

VENTILATION

(see also subdivision under Great Britain)

Kucheruk, V. V. [Removal of dust from ventilation air] Ochistka ventiliatsionnogo vozdukha ot pyli. Moskva, Mashgiz, 1963. 142 p.

VENTILATION—AERODYNAMICS

Ventilation supply currents and "fountains of air." I. A. Shepelev. Izv. ASIA no. 4 90-108 '61.

VENUS (PLANET)

Ionosphere of Venus; Radar research. V. I. Slysh. Priroda 52 no. 9:68-71 '63.

Ionospheric interpretation of the results of radio astronomical observations of Venus. Part 1. A. D. Danilov, S. P. IAtsenko. Geomag. i aer. 3 no. 4.585-593 Jl-Ag '63.

Ionospheric interpretation of the results of radio astronomical observations of Venus. Part 2. A. D. Danilov, S. P. IAtsenko. Geomag. i aer. 3 no. 4:594-597 Jl-Ag '63.

VERNADSKII, VLADIMIR IVANOVICH, 1863-1945

Jubilee session of the General Assembly of the Department of Biological Sciences dedicated to the one-hundredth anniversary of the birth of Academician V. I Vernadskii. T. N. Shcherbinovskaia Izv. AN SSSR Ser. biol. 28 no. 4:635-637 Jl-Ag '63.

V. I. Vernadskii and the study of the biological role of microelements in the life of plants, animals, and man [with summary in English]. IA. V. Peive. Izv. AN SSSR, Ser. biol. 28 no. 5:841-852 S-O '63.

VERTEBRAL ARTERY—DISEASES

Role of lesions of the extracranial section of the vertebral arteries in cerebrovascular pathology. N V Vereshchagin. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:55-56 '61.

VERTEBRATES

Award of the I. I. Mechnikov Gold Medal. Izv. AN SSSR. Ser. biol. 28 no. 5:782 S-O '63.

VERTINSKII FAMILY

All the Vertinskiis were motion-picture actors. Maks Polianovs'kyi. Ukraina no. 13:15 Je '61.

VESZPRÉM, HUNGARY—DESCRIPTION

Veszprém in three planes. Aleksandr Serbin. Ogonek 41 no. 33:28-29 Ag '63.

VETCH see subdivision under Ukraine;

VETCHLING

Globulins in the seeds of vetchling. I. A. Vaintraub, A. D. Shutov. Trudy po khim. prirod. soed. no. 5:49-52 '62.

VETERANS

A man remains on duty. IU. Shpakov. Polit. samoobr. 7 no. 9:95-98 S '63.

VETERANS, DISABLED—REHABILITATION see subdivision under Vladivostok

VETERINARY ANATOMY

Studying age and breed characteristics of the structure of the system of voluntary movement organs in farm animals. P. A. Glagolev. Dokl. TSKHA no. 69:285-290 '61.

VETERINARY BACTERIOLOGY

Biochemical and cultural morphological properties of pasteurellae of farm animals O. V. Ignatova Trudy Mosk. vet akad. 12:19-25 '56.

VETERINARY EMBRYOLOGY

Histological investigation of lymph nodes in the fetuses of cattle and swine. G. G. Tinlakov, T. A. TSitsnskaia. Dokl. TSKHA no. 69:341-313 '61.

VETERINARY HYGIENE

The decision of the Plenum of the Central Committee of the CPSU must be made the basis for work A Bolko Veterinariia 37 no 2:5-9 F '60

Effect of ultraviolet radiation on some forms of microorganisms of the paratyphoid group. Z. M. Kuramdzhit. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:81-86 '61.

Using ultraviolet rays for disinfection in anaerobic infections. A. P. Vasil'ev, K. N. Sal'nikova. Trudy Ul'ian sel'khoz. inst. 8 no. 2:73-80 '61.

VETERINARY MATERIA MEDICA AND PHARMACY

Motor activity of the small intestine in peritonitis and during the administration of some drugs. V. S. Sofronov. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:21-26 '61.

VETERINARY MEDICINE

(see also subdivision under Rumania)

Clinical aspects and treatment of thermal burns in animals. P. V. Mikheichikov, I. A. Ulanov. Sbor. stud. rab. MTIMMP no. 7 48-51 '62.

"Little-known infectious diseases in animals." Edited by Γ. M. Orlov. Reviewed by IU. Goloshchapov. Veterinariia 37 no. 2:77-79 F '60

"Radiation pathology in animals" by P. IA. Rybak. Reviewed by G. M. Gradiushko. Veterinariia 37 no. 2:79-81 F '60.

"Silicosis in farm animals." Reviewed by A. V. Ozerov. Veterinariia 37 no. 2:81 F '60

Some prerequisites for the use of cobalt in anemic states of animals and in prophylaxis. I. S. Shutov. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:120-134 '61.

VETERINARY MEDICINE—ABSTRACTS

[Animal husbandry. Veterinary medicine] Ref. zhur. ; Zhiv. Vet. nos. 21-22 N '63.

VETERINARY MEDICINE—BIBLIOGRAPHY see Bibliography—Veterinary medicine

VETERINARY MEDICINE—CONGRESSES

Sixteenth International Veterinary Congress. V. S. Kulichenko. Veterinariia 37 no. 2:75-76 F '60

VETERINARY MEDICINE—DIAGNOSIS

Methods of early diagnosis of mineral deficiency in cows. A. T. Labzina, M. A. Davydycheva, L. V. Ovtsyn. Trudy Ul'ian. sel'khoz. inst. 8 no. 2:165-175 '61.

VETERINARY MEDICINE—LAWS AND LEGISLATION

Conference on problems of reinforcing control over execution of veterinary regulations in the U. S. S. R. Veterinariia 37 no. 2:93-95 F '60

VETERINARY MEDICINE—STUDY AND TEACHING see subdivision under Ul'yanovsk

VETERINARY OBSTETRICS

Cesarean section in cows. B. M. Sviridov. Sbor. stud. rab. MTIMMP no. 7:65-66 '62.

New conservative method for treating retention of the placenta in cows. A. N. Sinlavin and others. Sbor. stud. rab. MTIMMP no. 7:62-64 '62.

VETERINARY PHYSIOLOGY

Photometric determination of the deposition of sulfur (S^{35}) of organic and inorganic compounds in the organs and tissues of animals. V. S. Lekarev, A. L. Paducheva. Trudy VIZH 21:386-391 '62.

VIAZNIKOV, ALEKSANDR GAVRILOVICH, 1909-

Pavlovskii, B. V. Aleksandr Gavrilovich Viaznikov. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 52 p. illus. (Khudozhniki Sverdlovska)
(MH)

VIBRATION

Effect of the belt transmission on the irregularity of the running of the machine. L. P. Voloshina. Trudy DIIT no. 24:214-225 '54.

Vibrations of an elastic inhomogeneous layer having a curvilinear boundary and situated on an elastic inhomogeneous half-space. L. B. Levitin, G. A. Skuridin, K. P. Staniukovich. Prikl. mat. i mekh. 27 no. 1:116-125 Ja-F '63.

VIBRATION—ELECTROMECHANICAL ANALOGIES

Developing an electric model of the equation describing vibrations of a beam. A. G. Levin. Mat. mod. i elek. tsepi no. 1.73-78 '63.

VIBRATION (MARINE ENGINEERING)

Results of testing the strength and vibration of "Dzhan-Boy"-type ship hulls. V. S. Bilkei, M. N. Gavrilov, E. N. Kulteshev. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 12 30-31 '62.

VIBRATORS

Vibratory feeder. V. P. Lavrov, I. I. Blekhman. Gor. zhur. no. 10:71-72 O '63.

VICALLOY—MAGNETIC PROPERTIES

Characteristics of the magnetic structure of vicalloy. M. G. Lushinskaia, IA. S. Shur, V. V. Serikov. Fiz. met. i metalloved. 12 no. 6 826-831 D '61.

VIDEO TAPE RECORDERS AND RECORDING

Development of instruments for measuring the time parameters of periodic signals. V. I. Lazarev. Trudy VNAIZ no. 10 3-17 '62.

Measurement of rotor oscillations in the motor of the heads block of a video tape recorder. V. I. Lazarev, S. T. Vetshev. Trudy VNAIZ no. 10 18-26 '62.

System of low-frequency channels in the "Kadr" video tape recorder. L. G. Lishin. Trudy VNAIZ no. 10 27-40 '62.

Video tape recorder used in the Leningrad Television Station. B. Muramov. Tekh. kino i telev. 6 no. 8 71-72 Ag '62.

VIETNAM, NORTH

[Democratic Republic of Vietnam. Translated from the Vietnamese] Demokraticheskaia Respublika V'etnam. Moskva, Gospolitizdat, 1963. 149 p. (CSI-H)

VIETNAM, NORTH—AGRICULTURE—ECONOMIC ASPECTS

In the land of the building of socialism. V. Zelentsov. Ekon. sel'khoz. 34 no. 10:107-111 O '63.

VIETNAM, NORTH—DESCRIPTION AND TRAVEL

Meeting in Sontay. Azhdar Ibragimov. Isk. kino 33 no. 7 82-87 '63.

VIETNAM, SOUTH—POLITICS AND GOVERNMENT

An abortive coup d'etat; from the pages of the foreign press. IU. Z. Nov. vrem. 21 no. 43 15-16 O '63.

Agony of a dictator. A. Serbin. Ogonek 41 no. 36 8 S '63.

Exchange of machinettes. A. Skorov. Mezhdunar. zhizn' 10 no. 12 114-115 D '63.

The International Trade-Union Committee for Solidarity with the Workers and People of South Vietnam will assemble for its first meeting in Hanoi on October 20. Vsem. prof. dvizh. no. 10:43-44 O '63.

VIEWS

Our panorama of international events. Az. i Afr. seg. no. 11 16-17 N '63.

VILLAGES

Size and composition of the rural population of the U. S. S. R. K. Smirnov. Ekon. sel'khoz. 34 no. 8:41-46 S '63.

VILNIUS—CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION

When the construction begins. P. Dobrovol'skis. Sov. profsoiuzy 19 no. 19. 22-24 O '63.

VILNIUS—FIRES AND FIRE PREVENTION

The courageous people of Lithuania. V. Voroneckas. Pozh. delo 7 no. 7. 28 Jl '61.

VILNIUS—TRADE UNIONS

When the construction begins. P. Dobrovol'skis. Sov. profsoiuzy 19 no. 19 22-24 O '63.

VILNIUS ASTRONOMICAL OBSERVATORY

Anniversary of the Vilnius Astronomical Observatory. V. Zitkevičius. Priroda 52 no. 9:117 '63.

VILYUY VALLEY—FISHES—FOOD

Studying the food supply of the whitefish coregonus peled in the bodies of water of the Vilyuy Lowland. D. L. Venglinskii. Trudy Gidrobiol. ob-va 13 73-83 '63.

VILYUY VALLEY—WHITEFISHES

Studying the food supply of the whitefish coregonus peled in the bodies of water of the Vilyuy Lowland. D. L. Venglinskii. Trudy Gidrobiol. ob-va 13:73-83 '63.

VINE CROP BREEDING

Biology of the fertilization of forage vine crops. N. I. Petrukhina. Nauch. trudy Vses. sel-gen. inst. no. 5:154-156 '62.

VINE CROPS

Study of salt-soluble proteins in the seeds of some representatives of Cucurbitaceae by paper electrophoresis. M. V. Alekseeva. Trudy po khim. prirod. soed. no. 5: 69-74 '62.

VINYL ALCOHOL POLYMERS

Dehydration of polyvinyl alcohol. E. N. Rostovskii, L. E. De-Millo. Zhur. prikl. khim. 36 no. 8:1821-1824 Ag '63.

VINYL ALCOHOL POLYMERS—DIPOLE MOMENTS

Dielectric loss, dielectric constant, and the effective dipole moment of polydimethylvinylethynylcarbinol. N. M. Kocharian and others. Dokl. AN Arm. SSR 37 no. 1:7-13 '63.

VINYL COMPOUND POLYMERS

Score in favor of polyvinylchloride. M. Akutin. Nauka i zhyttia 12 no. 3:6-7 Mr '63.

VINYL COMPOUNDS

Amperometric titration of vinyl monomers [with summary in English] IA. I. Gurfein, L. N. Kozina. Zhur. anal. khim. 18 no. 9:1120-1124 S '63.

Let's surpass the natural materials. B. Dolhoplosk. Nauka i zhyttia 12 no. 3:9 Mr '63.

Vinyl enanthate and ethylidenedienanthic ester. E. N. Rostovskii, L. E. De-Millo. Zhur. prikl. khim. 36 no. 8 1871-1872 Ag '63.

VINYL ETHERS

Synthesis and transformations of substituted vinyl ethers. Part 14. Synthesis of α-tert-butylvinylalkyl sulfides and some of their properties. E. P. Gracheva, V. I. Laba, M. F. Shostakovskii. Zhur. ob. khim. 33 no. 8 2501-2509 Ag '63.

VINYL POLYMERS

Coatings with a base of organic dispersions of polyvinyl chloride. A. M. Bocharova, L. I. Gol'dfarb. Lakokras. mat. i ikh prim. no. 5:15-18 '63.

VIRGIN TERRITORY—BUILDING

Experience in assembling structural elements in the Sokolovka-Sarbay Combine. I. K. Shapoval. Prom. stroi. 41 no. 10:31-36 O '63.

VIRGIN TERRITORY—DRILL (AGRICULTURAL IMPLEMENT)

Harrow plow-planter for soils subjected to wind erosion. B. Khain, V. Strel'bitskii. Tekh. v sel'khoz. 23 no. 6 29-32 Je '63.

VIRGIN TERRITORY—FIELD CROPS

Expenditure analysis for cultivating field crops on the state farms of the Virgin Territory. V. Slobodin. Ekon. sel'khoz. 34 no. 10:26-36 O '63.

VIRGIN TERRITORY—FOREST INSECTS—EXTERMINATION

Pests of shelterbelts in the Virgin Territory and measures for their control. V. P. Kirillov. Trudy Kaz. NIIZR 7:409-417 '62.

VIRGIN TERRITORY—GROUND BEETLES

Ground beetles in the southeastern Virgin Territory. O. F. Fedosimov. Trudy Kaz. NIIZR 7:402-404 '62.

VIRGIN TERRITORY—LIBRARIES

On the Virgin Territory. A. Malakhov. Bibliotekar' no. 10:20-21 O '63.

VIRGIN TERRITORY—SOIL CONSERVATION

Harrow plow-planter for soils subjected to wind erosion. B. Khain, V. Strel'bitskii. Tekh. v sel'khoz. 23 no. 6 29-32 Je '63.

VIRGIN TERRITORY—STANDARDIZATION

Standardization at the Virgin-Territory Economic Council. K. B. Turdalin. Standartizatsiia 27 no. 10:36-37 O '63.

VIRGIN TERRITORY—STATE FARMS—COSTS

Expenditure analysis for cultivating field crops on the state farms of the Virgin Territory. V. Slobodin. Ekon. sel'khoz. 34 no. 10:26-36 O '63.

VIRGIN TERRITORY—TRACTORS

Using high-power tractors in the Virgin Territory. I. Aldoshin. Ekon. sel'khoz. 34 no. 9:65-68 S '63.

VIRGIN TERRITORY—WILD OATS

Controlling wild oats with a water emulsion of carbine using various dispersion degrees. P. N. Glazkov. Trudy Kaz. NIIZR 7:577-579 '62.

VIRUS DISEASES

Combination of virus infections [with summary in English]. M. E. Sukhareva and others. Pediatriia 42 no. 5:0-15 My '63.

Urgent problems of clinical diagnosis of influenza and influenzalike virus infections in children [with summary in English]. S. D. Nosov. Pediatriia 42 no. 5:3-8 My '63.

VIRUSES

Effect of cortisone on antiviral immunity. N. N. Nosik. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1: 34-35 '61.

Role of enteroviruses in the etiology of intestinal diseases in children. A. G. Avanesova, N. I. Nisevich. Pediatriia 42 no. 5:36-40 My '63.

Virus-neutralizing activity, the nature and the properties of thermolabile substances of normal serums of different animals. A. A. Smorodintsev, T. IA. Luzianina, R. IA. Poliak. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no. 1:19-20 '61.

VISCERA

Some problems in age-related topographic anatomy of internal organs in cattle. M. A. Ulanov. Shor. st. 3, za MTIMMP no. 7 72-75 '62.

VISCERA—DISEASES

Pathologicoanatomical changes in the central nervous system and viscera in acute dichloroethane poisoning [with summary in English]. S. D. Dushenko. Trudy Gos. nauch.-issl. inst. psikh. 38 249-257 '61.

VISCOSE

Bleaching of viscose in a multistage unit. A. D. Perminov, N. V. Baranova. Bum. prom. 38 no. 10:9-11 O '63.

Conference concerning the increase of the output and improvement of the quality of viscose cellulose. Bum. prom. 38 no. 9 15-16 S '63.

Learning from experience. A. S. Shishchenko. Bum. prom. 38 no. 10:3 O '63.

New developments in the manufacture of viscose cellulose. I. A. Nagiodskii. Bum. prom. 38 no. 9:13-15 S '63.

Ways to eliminate complaints. I. T. Liamzin. Bum. prom. 38 no. 9 9 S '63.

VISCOSE—STANDARDS

Necessary measures for the shift to the new state standards. A. I. Komarov. Bum. prom. 38 no. 9:12 S '63.

VISCOSIMETER

Installation for experimental determination of viscosity of organic heat agents with a high melting point [with summary in English]. B. D. Timofeev, V. I. Sharypov. Inzh.-fiz. zhur. 6 no. 10 109-111 O '63.

VISCOSIMETRY

Effect of inoculators on the viscosity of liquid steels. N. S. Kroshchanovskii, M. F. Sidorenko. Izv. vys. ucheb. zav.; chern. met. 6 no. 9:142-144 '63.

Viscosity of diluted aluminum-base metallic solutions. L. A. Koledov, A. P. Lubimov. Izv. vys. uchab. zav.; chern. met. 6 no. 9:136-141 '63.

VISCOSITY

Anomaly of the viscosity of polyethyleneoxide and the effect of certain medicines on it [with summary in English]. M. Kh. Gluzman, G. S. Bashura, B. I. Dashevskaia. Apt. delo 12 no. 5:17-23 S-O '63.

Regularities of diffusion and viscous flow in fused chlorides. G. A. Uksho, IU. M. Riabukhin. Izv. Ak. Sssr. Met. i gor. delo no. 5:84-88 S-O '63.

System of equations describing a viscous fluid in the special theory of relativity [with summary in English]. N. B. Maslova. Vest. LGU 18 no. 19. 92-111 '63.

VISES

Adjustable pneumatic vises. V. K. Gromykhalov. Mashinostroitel' no. 11 20 N '63.

VISHNEVSKII, VSEVOLOD VITAL'EVICH, 1900-1951

Mar'iamov, A. M. [Called by the revolution, Vsevolod Vishnevskii, his era and his work] Revoliutsiei prizvannyi, o Vsevolode Vyshnevskom, ego vremeni i ego tvorchestve. Moskva, "Iskusstvo," 1963. 350 p. (City)

Principal success of art. Afanasii Salynskii. Isk. kino 33 no. 7 25-31 '63.

VISHNEVYYE MOUNTAINS—AESCHYNITE

Aeschynite of hydrothermal genesis from the Vishnevyye Mountains. A. G. Zhabin, V. B. Aleksandrov, M. F. Kazakova. Trudy IMGRE no. 7:1 08-112 '61.

VISHNEVYYE MOUNTAINS—CATAPLEIITE

Cataplelite from the Vishnevyye Mountains. A. G. Zhabin. Trudy IMGRE no. 7:1 00-103 '61.

VISHNEVYYE MOUNTAINS—DAVIDITE

New data on accessory davidite from the Vyshnevyye Mountains in the Ural Mountains and the so-called "ufortite" and "ferutite." A. G. Zhabin and others. Trudy IMGRE no. 15 110-120 '63.

VISITORS, CANADIAN see subdivision under Ukraine

VISITORS, JAPANESE

The will of all Japanese women. Kul't. i zhizn. 7 no. 1: 29 '63.

VITAL FORCE

Twenty-four-hour energy expenditure of boarding school students in the performance of useful public service at Pioneer and Communist Youth League Camps [with summary in English]. V. V. Maksimov. Vop. pit. 22 no. 1:38-43 Ja-F '63.

Twenty-four-hour energy loss of workers engaged in drilling oil wells in the sea [with summary in English]. A. G. Abdulov. Vop. pit. 22 no. 1:43-47 Ja-F '63.

VITAMINS

A. N. Bach prize. T. N. Shcherbinovskaia. Izv. AN SSSR. Ser. biol. 28 no. 4:638 Jl-Ag '63.

Increase in the resistance of animals to overloads at great accelerations under the action of some stimulators, vitamins and hormone preparations. V. IA. Rusin. Nauch. dokl. vys. shkoly, biol. nauki no. 4:69-73 '63.

VITAMINS—A

Determining the most efficient methods for feeding the emulsified preparation of vitamin A in raising chicks for meat. V. N. Ageev. Sbor. rab. mol. uch. VNIIP no 4: 80-90 '62

Enriching mixed feeds with vitamin A and trace elements. S. M. Kabozev, R. P. Nikolaev, A. F. Romanova. Trudy VIZH 24 138-148 '62.

Vitamin A content in the body of minors (with summary in English). O. A. Shovkoplias. Vop. pit. 22 no. 1, 17-20 Ja-F '63.

VITAMINS—B_1 see Thiamine

VITAMINS—B_2 see Riboflavin

VITAMINS—B_5 see Nicotinic acid

VITAMINS—B_{12} see Cyanocobalamine

VITAMINS—C see Ascorbic acid

VITAMINS—D_2 see Ergocalciferol

VITAMINS—G see Riboflavin

VITEBSK—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Follow-up of articles published in our periodical. Kommunist Bel. 37 no. 9:80 S '63.

VITEBSK—WOMEN—SOCIETIES AND CLUBS

Friend and adviser. M. Husakova. Rab. i stial. 39 no. 9:13 S '63.

VITEBSK PROVINCE—BUILDING MATERIALS—TRANSPORTATION

General automotive transportation unit carries out all transportation for the construction industry. V. Levit. Avt. transp. 41 no. 8:14-16 Ag '63

VITEBSK PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Knowledge should be proved by the results of its practical application. P. Belinskii. Kommunist Bel. 37 no. 10: 30-43 O '63.

VITICULTURE see subdivision under Armenia

VITIM PLATEAU—GOLD ORES

Primary zoning in gold ore veins of the middle Vitim mountain country. V. A. Zagorskin. Geol. rud. mestorozh. 5 no. 5:91-94 S-O '63.

VLADIMIR—TRADE UNIONS—HANDBOOKS, MANUALS, ETC.

We love the trade-union book. K. Frolova. Sov. profsoiuzy 19 no. 17:46 S '63.

VLADIMIR GOVERNMENT—LIBRARIES

A. I. Heritzen's article "Public Library of the Vladimir Government." A. Malakhovata. Izv. AN SSSR, Ser. lit. i iaz. 22 no. 5:423-427 S-O '63.

VLADIMIR PROVINCE—HOUSING FOR PHYSICALLY HANDICAPPED

Masters in their own house. N. Karasova. Sots. obesp. 24 no. 8:24-26 Ag '63.

VLADIVOSTOK—HARBOR

Outstanding workers in the Vladivostok harbor fleet. E. I. Isher. Mor. flot 23 no. 8:6-7 Ag '63.

VLADIVOSTOK—VETERANS, DISABLED—REHABILITATION

The problem is solvable. L. Kharitonskaia and others. Sots. obesp. 24 no. 10:44 O '63.

VLASOV, IVAN EVSTAF'EVICH, 1620-1710

Troshin, A. K. [Ivan Evstaf'evich Vlasov, a Russian voivode and mineralogist of the 17th century] Ivan Evstaf'evich Vlasov - voevoda i issledovatel' XVII v. Moskva, Izd-vo Akad. nauk SSSR, 1963. 45 p. (Nauchno-biograficheskaia serila)

VLASOV, VASILII ZAKHAROVICH, 1906-1958

Leont'ev, N. N. Vasilii Zakharovich Vlasov. Moskva, Gosstrolizdat, 1963. 73 p.

VOCATIONAL EDUCATION

(see also subdivision under Moscow Province; Voronezh Province)

In the course of the educational process let's train a new man, the builder of communism! Prof.-tekh. obr. 20 no. 9:1-2 S '63.

Laboratory work on the technology of metals and other materials. A. N. Rostovtsev, S. A. Solov'ev. Shkola i proizv. 7 no. 10:72-77 O '63.

Let's raise the quality of production training in industry! M. Savel'ev. Prof.-tekh. obr. 20 no. 9:4-5 S '63.

People and figures. V. Gan. Prof.-tekh. obr. 20 no. 9: 9-12 S '63.

Rights and duties of a master of industrial training. I. G. Sandomirskii. Shkola i proizv. 7 no. 10:23-25 O '63.

School of work training. M. Sharova. Mashinostroitel' no. 11:7 N '63.

Teaching the technology of metals. N. I. Mzhel'skii. Shkola i proizv. 7 no. 10:69-72 O '63

Toward active participation of students. L. Postovoitova, N. Sinitskaia. Prof.-tekh. obr. 20 no. 9:19-20 S '63.

Useful advice. F. Gonobolin. Shkola i proizv. 7 no. 10: 93 O '63.

Vocational training should have a technical basis. I. I. Didenko, I. V. Zel'dis. Rad. shk. 42 no. 10:100-103 O '63.

Young innovators are growing up. P. Chirkin. Prof.-tekh. obr. 20 no. 9:15-16 S '63.

VOCATIONAL EDUCATION—BIBLIOGRAPHY see Bibliography—Vocational education

VOCATIONAL EDUCATION—CONGRESSES

Seminar of specialists in methods. S. Frenkel'. Prof.-tekh. obr. 20 no. 9:29-30 S '63.

VOCATIONAL GUIDANCE

A letter from Tomsk. IU. Alekseev, G. Somov. Mol. kommunist no. 10:85-90 O '63.

VODZIMON'YE—COMMUNITY CENTERS

The activists of our club. N. Riabova. Agitator no. 18, 56 S '63.

VOICE

Nature of teaching stage dialogue in the section of musical drama. L. A. Khodzhaeva. Uch. zap. Tash. teatr.-khud. inst. no. 5:149-160 '62.

VOLCANIC ASH, TUFF, ETC.

(see also subdivision under Mongolia, Russian Platform, Siberia, Soviet Far East, Tauzchay Valley)

Volcanic ash shower. G. O. Krivolutskaia. Priroda 52 no. 9:126 '63.

VOLCANOES

Conference of the Committee on Magmatism and Petrology. L. G. Tkachuk. Vest. AN SSSR 33 no. 10:95-96 O '63.

Geological characteristics of deposits associated with ancient volcanic structures. V. N. Kotlias, N. N. Solov'ev, N. D. Tikhonov. Geol. rud. mestorozh. 5 no. 5:18-31 S-O '63.

Volcanoes of Indonesia. K. K. Zelenov. Priroda 52 no. 9:105-107 '63.

VOLCANOES—MODELS

How to make a model of a volcano. V. G. Fedeli. Geog. v shkole 26 no. 5:67-69 S-O '63.

VOLGA-BALTIC SEA WATERWAY

Meeting of the seas. V. Moev. Sov. Soiuz no. 10:50-51 '63.

VOLGA DELTA—WATER—MICROBIOLOGY

Dynamics of the development of microbiological processes in the bodies of water of the lower part of the Volga Delta. K. V. Gorbunov. Trudy Gidrobiol. ob-va 13:94-125 '63.

VOLGA HYDROELECTRIC POWER STATION (LENIN)

[Volga Hydroelectric Power Station; a technical report on the design and construction of the Volga Hydroelectric Power Station (Lenin), 1950-1958, in two volumes] Volzhskaia gidroelektrostantsiia; tekhnicheskii otchet o proektirovanii i stroitel'stve Volzhskoi GES imeni V. I. Lenina, 1950-1958 gg., v dvukh tomakh. Moskva, Gosenergoizdat.

Vol. 1. [Description of the structures of the hydraulic development] Opisanie sooruzhenii gidrouzla. Redaktory toma N. A. Malyshev i G. L. Smukhanov. 1963. 511 p.

VOLGA HYDROELECTRIC POWER STATION (22d CONGRESS OF THE CPSU)

Moscow. Vsesoiuznyi proektno-izyskatel'skii i nauchno-issledovatel'skii institut Gidroproekt imeni S. IA. Zhuk. [Volga Hydroelectric Power Station (22d Congress of the CPSU); album of engineering drawings] Volzhskaia gidroelektrostantsiia imeni XXII s"ezda KPSS; al'bom chertezhei. Moskva, Gosenergoizdat

Pt. 2. [Organization and the carrying out of installation and construction operations] Organizatsiia i proizvodstvo stroitel'no-montazhnykh rabot. 1963. 74 p.

VOLGA RIVER—FISHES—FOOD

Methodology of studying the daily feeding periodicity of young fishes. V. A. Ionova. Vest. Mosk. un. Ser. 6 Biol., pochv. 18 no. 6:8-16 N-D '63.

VOLGA RIVER—LAMELLIBRANCHIATA

Monodacna colorata Eichw. in the lower part of the Volga River. A. A. Kosova. Trudy Gidrobiol. ob-va 13:81-89 '63.

VOLGA RIVER—SHIPPING

Morozov, N. P. [History of the development of petroleum transportation on the Volga (pre-evolutionary period)] Voprosy istorii razvitiia neftepererevozok na Volge (dorogolutsionnyi period), uchebnoe posobie dlia studentov po kursu istorii tekhniki. Gor'kii, Gor'kovskii in-t inzhenerov vodnogo transp. 1963. 34 p. [MICROFILM]

The propaganda motorboat on the Volga River. G. Sergeev, V. Burov. Agitator no. 16:2 Ag '63.

VOLGA VALLEY—HISTORY—SOURCES

"Classified information on the Caspian Sea region and Eastern Europe, Gurgan and the Volga Valley in the ninth and tenth centuries" by B. N. Zakhoder. Reviewed by Y. M. Bellis. Nar. Az. i Afr. no. 5:207-209 '63.

VOLGA VALLEY—IRON AGE

Stele with pictures of arms of the early Iron Age. A. Kh. Khalikov. Sov. arkheol. 7 no. 3:180-190 '63

VOLGA VALLEY—REVOLUTION OF 1905

Work of the Bolsheviks in the rural areas of the central Volga Valley during the First Russian Revolution. A. V. Fedorov. Vop. ist. KPSS 7 no. 10:132-134 O '63.

VOLGA VALLEY—STELE (ARCHAEOLOGY)

Stele with pictures of arms of the early Iron Age. A. Kh. Khalikov. Sov. arkheol. 7 no. 3:180-190 '63

VOLGA VALLEY—VASES

Chronology of spheric amphoras of the Fatianovo burial grounds. P. M. Kozhin. Sov. arkheol. 7 no. 3:25-37 '63.

VOLGA VALLEY (YAROSLAVL PROVINCE)—RUNOFF

Characteristics of the minimum runoff of small rivers in the Volga Valley portion of Yaroslavl Province. V. L. Rokhmistrov. Vest. Mosk. un. Ser. 5 Geog. 18 no. 5:74-75 S-O '63.

VOLGOGRAD—HISTORY

Vodolagin, M. A. [Stronghold on the Volga] Volzhskaia tverdynia. Moskva, Sovetskaia Rossiia, 1962. 190 p. (MH)

VOLGOGRAD—TRACTOR INDUSTRY

From the practices in the organization of auxiliary work at the Volgograd Tractor Plant. M. S. Sidel'nikov. Trakt. i sel'khozmash. 33 no. 3:36-38 Mr '63

VOLGOGRAD PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

Your duty, teacher! L. Porolskaia. Sov. profsoiuzy 19 no. 17:18-20 S '63.

VOLGOGRAD PROVINCE—AGRICULTURE—STUDY AND TEACHING

Production administration and work training of students. S. V. Kletsen. Shkola i proizv. 7 no. 10:32-33 O '63.

VOLGOGRAD PROVINCE—FARM MECHANIZATION—STUDY AND TEACHING

Wide horizons. T. Grigor'ev. Prof.-tekh. obr. 20 no. 9:25-26 S '63.

VOLGOGRAD PROVINCE—GAS, NATURAL—GEOLOGY

Mesozoic sediments of the Korobki field in connection with their gas potential. V. A. Dolitskii and others. Izv. vys. ucheb. zav., neft' i gaz 5 no. 1:6-12 '62.

VOLLEYBALL

Now it's the volleyball. G. Makovenko. Ukraina no. 19: 18-19 O '62.

VOLOCHISK DISTRICT—FISH CULTURE

Utilizing the collective farm ponds for fish culture in Volochisk District, Khmelnitskiy Province. A. K. Chyzhyk. Nauk. pratsi Ukr. nauk.-dosl. inst. ryb. hosp. 14: 22-26 '62.

VOLOGDA—APARTMENT HOUSES—MAINTENANCE AND REPAIR

Concern about dwellings is concern about people. G. Kubintsev. Zhil.-kom. khoz. 11 no. 12:8-9 D '61.

VOLOGDA PROVINCE—SOIL MOISTURE

Characteristics of moistening of farm lands in Vologda Province [with summary in English]. R. A. Filenko. Vest. LGU 18 no. 18:151-157 '63.

VOLTAGE REGULATORS

Three-phase voltage regulator with a wide range of regulation. V. P. Milovzorov, N. I. Volkov. Elektrichestvo no. 11:16-20 N '63.

VOLTMETER

Universal voltmeter. O. Finevskii. V pom. radiolub. no. 14:27-42 '63.

VOLYN' PROVINCE—MUNICIPAL SERVICES

Broad horizons. E. E. Voroshchuk. Zhil.-kom. khoz. 11 no. 12:3 D '61.

VOLYN' PROVINCE—SUGAR BEETS—FERTILIZERS AND MANURES

Effective methods of using fertilizers for sugar beets in the forest-steppe zone of Volyn' Province. Kh. S. Spivak, Z. S. Barnash. Visynk sil'hosp. nauky 6 no. 4:31-35 Ap '63.

VOLZHSKIY DISTRICT—INSURANCE, SOCIAL—EMPLOYEES

Our beacon lights. P. Khorosheva. Sots. obesp. 24 no. 8:10-11 Ag '63.

VOMITING
Clinical aspects and treatment of hypotrophy accompanied by frequent vomiting V. I. Chistiakova Trudy mol nauch. sots., MONIKI no. 1:85-90 '59
Conditioned reflex vomiting in children. O. V. Il'ich. Trudy mol. nauch. sots., MONIKI no 1:91-94 '59

VORONEZH PROVINCE—BIBLIOGRAPHY
[Literature on Voronezh Province, 1957-1959, bibliography] Literatura o Voronezhskoi oblasti za 1957-1959 gody, ukazatel' literatury. [Voronezh] Voronezhskoe knizhnoe izd-vo, 1961. 251 p.

VORONEZH—DISABILITY EVALUATION
First steps. I. Benshtein. Sots. obesp. 24 no. 10 22-24 O '63.

VORONEZH—DOG SHOWS
Seventy-two gold medals. A. Shapiro. Voen. znan. 39 no. 10:38 O '63.

VORONEZH—LEGAL RESEARCH
In the Faculty of Law of Voronezh University. G. F. Gorskii, Iu. A. Krasikov. Sov. gos i pravo 33 no. 10:149-150 O '63.

VORONEZH—PHYSICALLY HANDICAPPED—REHABILITATION
Youth starts an independent life. I. Litvinov. Sots. obesp. 24 no. 10:30-32 O '63.

VORONEZH PROVINCE—ADULT EDUCATION
Training centers on collective and state farms. N. Shumeiko. Komm. Ukr. 39 no. 10:60-65 O '63.

VORONEZH PROVINCE—COLLECTIVE FARMS—COSTS
Ways to reduce costs for swine production on the collective farms of Voronezh Province. N. S. Mymrikov. Dokl. i soob. VNIESKH no 15 110-119 '63.

VORONEZH PROVINCE—GEOLOGY
Some problems of the Pre-Cambrian geology of the Voronezh Crystalline Shield. N. F. Anikeeva Izv AN SSSR Ser. geol. 28 no. 10:117-120 O '63.

VORONEZH PROVINCE—HISTORY—STUDY AND TEACHING
Studying the history of local industry. T. S. Pchel'nikov. Shkola i proizv. 7 no. 10, 51-52 O '63.

VORONEZH PROVINCE—JOURNALISTS
[Our comrades] O nashikh tovarishchakh. [Voronezh] Voronezhskoe knizhnoe izd-vo, 1962. 79 p. (MH)

VORONEZH PROVINCE—MOSQUITOES—LARVAE
Fauna and ecology of mosquito larvae of the genus Aedes in Voronezh Province. L. V. Riabykh. Nauch. dokl. vys. shkoly, biol. nauki no. 4 20-23 '63.

VORONEZH PROVINCE—MUSHROOMS, EDIBLE
Mobile mushroom cooking unit. A. Korotaev. Sov. potreb. koop. 7 no. 8 21 Ag '63.

VORONEZH PROVINCE—RETAIL TRADE
First steps. R. Krivobokova. Sov. potreb. koop. 7 no. 11:38 N '63.

VORONEZH PROVINCE—STOCK AND STOCKBREEDING—COSTS
Meat costs and ways to reduce them on the collective and state farms of Voronezh Province. N. P. Aleksandrov. Dokl. i soob. VNIESKH no. 16 8-24 '63.

VORONEZH PROVINCE—SWINE
Ways to reduce costs for swine production on the collective farms of Voronezh Province. N. S. Mymrikov. [illegible]KH no. 15:110-119 '63.

[illegible] a living contact. P. Nikitin. Prof.-tekh. obr. 20 no. 9:17 S '63.

VORONKOVA, LIUBOV FEDOROVNA
Books of L. Voronkova about collective farms and children. M. Krasnopeviseva. Doshk. vosp. 36 no. 10: 110-112 O '63.

VOROSHILOVGRAD PROVINCE see Lugansk Province

VOYAGES AND TRAVELS
Lebedev, L. G., and V. G. Mertsalov. [At various latitudes] Na raznykh shirotakh. Moskva, Izd-vo "Znanie," 1963. 125 p. (Prochti tovarishch)

VOZNESENSKII, ANDREI
Attack or retreat? V. Nazarenko Zvezda no. 7:181-188 Jl '62.

VULCANIZATION
Some requirements for alkylphenol-formaldehyde resins used for the vulcanization of butyl rubber. A. G. Shvarts and others. Kauch. i rez. 22 no. 10:17-18 O '63.

Using the hot vulcanization method for the manufacture of footwear from Russian leather. M. I. Latevs'ka, IA. O. Vorontsova. Leh prom. no. 3 47-49 Jl-S '63.

VULCANIZATION—EQUIPMENT AND SUPPLIES
Pneumatic press for rubber vulcanization. I. A. Avgustov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. tekh inform. 16 no. 11, 25-26 '63.

VUOKSA VALLEY—BOTANY
On the Vuoksa River. I. N. Balbyshev. Priroda 52 no. 9 127-128 '63.

WAGES
(see also subdivision under Finland, Great Britain)
Procedure for assigning workshops, work sectors, as well as other production subdivisions of an enterprise to the managerial, engineering and technical wage group. Explanation No. 20/23, September 3, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no. 10:3 '62.

Replies to our readers. Sov. profsoiuzy 19 no. 20:47-48 O '63.

Wages for vacation time. V. Korotkov. Sov. profsoiuzy 19 no. 17:43-45 S '63.

Workers' wages in industrial plants. R. Batkaev. Agitator no. 18:49-52 S '63.

WAGES—BIBLIOGRAPHY see Bibliography—Wages

WAGES—CHEMICAL WORKERS
Supplement to the No. 2 standard list of production processes of the chemical industry in which workers, engineers and technicians are paid according to the wage schedule established for harmful and difficult, and especially harmful and difficult working conditions. Regulation No. 246/19, July 31, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no. 10:4 '62.

WAGES—CONSTRUCTION WORKERS
New system for calculating the work of motor transport and earth-working machinery. N. E. Nazarov. Transp. stroi. 12 no. 3 11-12 Mr '62

WAGES—DIVING, SUBMARINE
Supplement to the "Adoption of the regulation on uniform wages for divers" No. 35/2, January 19, 1961 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the Secretariat of the All-Union Central Council of Trade Unions. Regulation No. 285/23, September 3, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no. 10:8 '62.

WAGES—FELTWORK
Supplement to the list and procedure for assigning fulling and felting industry enterprises and production processes to the managerial, engineering and technical wage group. Regulation No. 255/21, August 15, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no. 10:5 '62.

STS
Sov. profsoiuzy 19 no. 20:44-46 O

WAGES—MERCHANT SEAMEN
Procedure for paying the total amount of unused leave to the navigating crews and harbor workers of river and marine transportation, as well as the navigating crews of the fishing industry fleet at the time of their dismissal. Explanation No. 17/21, August 17, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no. 10:7 '62.

WAGES—RESTAURANTS, LUNCHROOMS, ETC.
Applying total working time for various categories of workers of seasonal public-dining enterprises of the Main Administration of Public Dining of the Moscow Executive Committee. Regulation No. 253/18, July 23, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no. 10:18-20 '62.

WAGES—TRANSPORTATION, AUTOMOTIVE
Adoption of the procedure and system for [illegible] to drivers of automobiles, trolleybuses, trolleys, electrical automobiles, as well as other personnel and urban transportation workers for [illegible] of new and retreaded tires. Regulation No. 24[illegible] July 31, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no. 10:10-17 '62

WALLS
Ground pressure on the supporting wall taper [illegible] displacements and the rigidity of the foundation. G. Klein. Osn., fund. i mekh. grun. 5 no. 4 1-4 '63.

Mastics for sealing joints of exterior wall panels. Berlin, R. D. Mirkin, S. G. Savonov. Stroi. mat. 9 no. 10:22-24 O '63.

WALLS—DRYING
Matveev, B. V. [Drying walls by electroosmosis] Sushka sten metodom elektroosmosa. Kiev, Gosstroi dat USSR, 1963. 74 p.

WALNUT see subdivision under Ukraine

WAR—ECONOMIC ASPECTS see subdivision under Germany, West

WAR AND SOCIALISM
Full and unanimous approval of the Leninist course of Communist Party and the Soviet Government. Pol. Uz. 35 no. 8 14-19 Ag '63.

WAR IN LITERATURE
Manuscripts from the front. V. Alekseev. [illegible] 39 no. 2 39-45 F '63.

WARBLE FLIES
(see also subdivision under Azerbaijan)
Control of ox warble flies. V. V. Fain, A. [illegible] Veterinariia 37 no. 2:10-11 F '60.

WAREHOUSES
Location of warehouses in cities. A. Ginzburg. Sov. torg. 36 no. 8:9-13 Ag '63.

Over-all mechanization with a partial automation of a wholesale textile warehouse for baled goods. I. S. Bashak. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. tekh. inform. 16 no. 11:61-67 '63.

WARSAW—CIVIC IMPROVEMENT
The landscape of Warsaw. Albert Pin. Nov. vrem. no. 39:27-29 S '63.

WARSAW—PEACE—CONGRESSES
Communique of the committee "Peace and Disarmament" of the Christian Peace Conference. Prakt. vrach 1-7 '63.

Journey to Warsaw. IA. I. Zhidkov. Prakt. vrach [illegible] '63.

WASHING MACHINES
Use of organic coatings for the protection of the inner drums of laundry washing machines. M. K. Kuznetsov, Lakokras. mat. i ikh prim. no. 5, 10-12 '63

WASHING POWDERS—PHYSIOLOGICAL EFFECT
Occupational dermatitis as an effect of the synthetic washing powder "Novost". M. D. Bagnova. Gig. san. Mosk. nauch.-issl. inst. san. i gig. no. 9:56 S '63

WASPS see subdivision under Kazakhstan

WASTE HEAT
Economizing technological fuel. A. A. Smirnov. Ener. prom. 38 no. 9:26 S '63.
Efficient utilization of the heat of condensates. A. P. Sumriakov. Bum. prom. 38 no. 9 24-26 S '63.

WASTE PRODUCTS
Local cements from industrial wastes. K. A. Adamovich. Sbor. nauch. rab. DVNIIS no. 1:257-273 '61

WATER
Role of water in silicates and aminosilicates and [illegible] for determining it. V. A. Moleva Trudy Rib. [illegible] no. 1 47-67 '62

WATER—ANALYSIS
(see also subdivision under Pacific Ocean)
Determination of small amounts of mercury in waters (with summary in English). A. E. Vasilevskaia, V. P. Shcherbakov, A. V. Levchenko. Zhur. anal. khim. 18 no. 7, 811-815 Jl '63.

Method of ion exchange separation and concentration of boron in its determination in natural waters. D. I. Eristavi, F. I. Brouchek. Soob. AN Gruz. SSR 33 no. 3 565-572 My '63.

Quick diagnosis used in sanitary expertise of water affected by pathogenic microbes or their toxins (with summary in English). K. A. Morozov. Trudy Tsentr. [illegible] 12, 140-144 '60.

WATER—DISTRIBUTION

Akademiia kommunal'nogo khoziaistva. Laboratoriia telemekhaniki. [Use of dispatcher control and automatic control in municipal water works] Primernye skhemy dispetcherizatsii i avtomatizatsii gorodskikh vodoprovodov. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 97 p. diagrs. insert.

WATER—MICROBIOLOGY
(see also subdivision under Volga Delta)

Atypical cultures of intestinal bacteria in water from the Stalin Water Works and their hygienic evaluation. N. N. Novikova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4:18-21 '60.

Comparative study of the effectiveness of standard methods for calculating the indices of fecal pollution of open waters. N. N. Novikova. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4:25-28 '60.

Materials on the comparative evaluation of standardized and some nonstandardized methods for detecting Escherichia coli in water. E. P. Ponomareva. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4:28-30 '60.

Nature of paragglutinizing strains of intestinal bacteria obtained from the Stalin Water Works. E. P. Ponomareva. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 4:15-17 '60.

Quick diagnosis used in sanitary expertise of water infected by pathogenic microbes or their toxins (with summary in English). K. A. Morozov. Trudy TomNIIVS 12:140-144 '60.

WATER—PHYSIOLOGICAL EFFECT

Water-suckling pig or the story of melted snow. Vladimir Pluzhn. Priroda, no. 2:22-24 F '63.

WATER—POLLUTION
(see also subdivision under Kemerovo Province, Leningrad Province, Moldavia)

Outbreak of tularemia spread through water. B. M. Bikman. Trudy TomNIIVS 12:59-60 '60.

Use of hexachlorobutadiene for combating "blooming" of industrial waters. L. V. Arkhipova and others. Khim. prom. no. 7:498-501 Jl '63.

WATER—PURIFICATION

Demura, M. V. [Horizontal settling tanks] Gorizontal'nye otstoiniki. Kiev, Gosstroiizdat USSR, 1963. 53 p.

Devices for washing out cisterns. N. P. Kovalenko. Transp. stroi. 13 no. 3:36-37 Mr '63.

Water purification in cone hydrocyclones. IU. N. Bolgurev. Bum. prom. 38 no. 9:23-24 S '63.

WATER, UNDERGROUND
(see also subdivision under Kazakhstan)

Calculation of ground water movement. I. A. Snegirev. Meteor. i gidrol. no. 11:47-49 N '63.

Movement of ground waters in an interfluvial massif with a calculation of the flow from above in an inclined water-bearing layer. P. A. Kiselev. Dokl. AN BSSR 7 no. 4:255-258 Ap '63.

WATER, UNDERGROUND—ANALYSIS see subdivision under Caspian Sea region; Tajikistan

WATER CLOSETS

Introduce efficient types of flush tanks. V. I. Fel'dman, A. I. Astrzhembskii. Gor. khoz. Mosk. 37 no. 7:18-20 Jl '63.

WATER FLEAS see subdivision under Baikal, Lake

WATER IN THE BODY

Changes in the water content in brain tissue during pharmacologically induced sleep, a spastic attack and suffocation. T. P. Zhukova. Nauch. inform. Otd. nauch. n.-i. inform. AMN SSSR no. 5:17-19 '61.

WATER PIPES

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.
Pt. 2. Sec. G. ch. 2. [Interior water pipes of industrial and auxiliary buildings of industrial enterprises, design standards] Vnutrenniie vodoprovod proizvodstvennykh i vspomogatel'nykh zdanii promyshlennykh predpriiatii, normy proektirovaniia (SNiP II-G. 2-62). 1963. 16 p.

WATER RESOURCES DEVELOPMENT see subdivision under Kazakhstan; Moldavia

WATER RESOURCES DEVELOPMENT—MAPS see subdivision under Australia

WATER SUPPLY
(see also subdivision under Kuban)

Mosikov, M. A. [Elements of the theory of water supply] Elementy teorii vodosnabzheniia. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 139 p.

WATER SUPPLY, RURAL
(see also subdivision under Siberia, Western)

Orodov, V. S. [Automatic slow filter for rural water supply] Avtomaticheskii medlennyi fil'tr dlia sel'skokhoziaistvennogo vodosnabzheniia. Moskva, Sel'khozizdat, 1963. 94 p.

Piston pump for surface wells. M. Cheremis. Tekh. v sel'khoz. 23 no. 6:74-75 Je '63.

WATER-SUPPLY ENGINEERING

The Institute of Water Supply, Sewer Systems, Hydraulic Structures, and Hydrogeological Engineering. Izv. ASiA no. 1:115 '61.

Ivanov, K. V. [Technological and hydraulic calculations in water-supply systems] Tekhnologicheskie i gidravlicheskie raschety po vodosnabzheniiu. Minsk, Izd-vo M-va vysshego srednego spetsial'nogo i professional'nogo obrazovaniia BSSR.
Pt. 1. [Water-supply network and its structures] Vodoprovodnaia set' i sooruzheniia na seti. 1963. 300 p.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.
Pt. 2. Sec. G. ch. 3. [Water supply, specifications for design] Vodosnabzhenie, normy proektirovaniia (SNiP II-G. 3-62). 1963. 94 p.

WATER VAPOR

Passing of weak mineral acids to saturated water vapor. D. G. TSkhvirashvili, V. V. Galustashvili. Soob. AN Gruz. SSR 30 no. 5:625-629 My '63.

WATER VAPOR—ABSORPTION SPECTRA

Experimental study of the transmission functions for air in the region of the rotational absorption bands for water vapor. B. P. Kozyrev, A. V. Mezenov. Opt. i spektr. 15 no. 4:549-552 O '63.

WATER VOLES AS CARRIERS OF DISEASE see subdivision under Altai Territory; Kemerovo Province

WATERPROOFING

"Izol." Biul. stroi. tekh. 20 no. 8:18 Ag '63.

Manufacture of sections of reinforced concrete culverts with waterproofing. A. P. Zhukov. Transp. stroi. 12 no. 3:18-22 Mr '62.

WATTEAU, JEAN ANTOINE, 1684-1721

Chegodaev, A. D. [Antoine Watteau] Antuan Vatto. Moskva, Gos. izd-vo "Iskusstvo," 1963. 31 p. 53 plates.

WAVE FUNCTIONS

Formula describing the energy of a many-electron system with one vacant site (with summary in English). A. A. Kiselev. Vest. LGU 18 no. 16:51-55 '63.

Nonrelativistic trajectories of Regge poles. Part I (with summary in English). V. A. Kolkunov. Zhur. eksp. i teor. fiz. 45 no. 4:1123-1132 O '63.

Optical properties of an object as mirrored in the wave field of the radiation scattered by it. IU. N. Denisiuk. Opt. i spektr. 15 no. 4:522-532 O '63.

Pair correlations of electrons in the theory of many-electron systems. Part I (with summary in English). L. N. Labzovskii. Vest. LGU 18 no. 16:12-21 '63.

Variational calculation of the correlation energy of a many-electron system (with summary in English). L. N. Labzovskii. Vest. LGU 18 no. 16:127-130 '63.

WAVE GUIDES

Effect of the configuration of the electromagnetic field of the input transition on the dynamics of electrons in the grouping section with a constant phase velocity of the wave. A. I. Zykov, E. K. Ostrovskii, L. A. Makhnenko. Zhur. tekh. fiz. 33 no. 9:1066-1069 S '63.

Kukharkin, E. S., and L. V. Sestroretskii. [Electrical strength of wave guides] Elektricheskaia prochnost' volnovodnykh ustroistv. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 451 p.

Methods for studying the propagation of electromagnetic oscillations in wave guides with anisotropic filler. A. G. Sveshnikov. Zhur. vych. mat. i mat. fiz. 3 no. 5:953-955 S-O '63.

Various methods for calculating dispersion in a helical wave guide with an anisotropic magnetodielectric medium (with summary in English). B. V. Kondrat'ev. Ukr. fiz. zhur. 8 no. 8:844-854 Ag '63.

WAVE MECHANICS

Gravitational waves on the surface of a viscous fluid with finite depth. I. P. Oborotov. Okeanologiia 3 no. 4:610-624 '63.

WAVES
(see also subdivision under Atlantic Ocean, Black Sea)

Changes in the direction of wave movement caused by wind action. N. A. Bagrov. Okeanologiia 3 no. 4:820-832 '63.

Determining the analytical form of the energy spectrum of developed waves. S. S. Strekalov. Okeanologiia 1 no. 3:439-442 '61.

Gradient measurements of pressure variations in the surface layer of the sea from a ship by the use of a wave measuring pole. V. F. TSyplukhin, V. G. Samarin, V. A. Sergeev. Okeanologiia 1 no. 3:522-530 '61.

Improved technique of determining the mean wave length by the use of the shore-operated wave meter - perspectometer. B. A. Popov. Okeanologiia 1 no. 3:509-512 '61.

Kinematics of the wave flux propagating over the ridged surface of the bottom. B. A. Shuliak. Okeanologiia 1 no. 3:173-184 '61.

Significance of maximum bottom velocities for wave transformation in the shore zone. P. A. Volkov. Okeanologiia 1 no. 3:432-438 '61.

Study of wind waves. N. A. Labzovskii. Okeanologiia 1 no. 3:504-509 '61.

Trends and problems in studying sea waves. IU. M. Krylov. Okeanologiia 3 no. 1:606-618 '63.

WAVES—SPECTRA

Calculation of the two-dimensional energy spectrum based on data obtained from stereophotographic surveying of waves. G. V. Matushevskii, S. S. Strekalov. Okeanologiia 3 no. 5:840-847 '63.

WAXES

Experimental production of white Chinese wax. N. I. Sharapov, A. I. Prokopenko, G. N. Tikhomirov. Vest. AN SSSR 33 no. 10:67-68 O '63.

WEALTH

IAkushkin, IA. S. [Labor and social wealth] Trud i obshchestvennoe bogatstvo. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauke, tekhnike. III Seriia. Ekonomika, no. 14)

WEATHER FORECASTING

M. I. Budin's "New methods and problems of short-range weather forecasting." E. M. Dobryshman. Meteor. i gidrol. no. 10:51-55 O '63.

WEAVING

Regularity of warp distribution on the loom and in the fabric. P. V. Volkov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 1:75-81 '63.

Studying the elastic properties of textiles under the conditions of short-time deformations. V. A. Gordeev, N. A. Kulikova. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 1:8-11 '63.

WEED CONTROL—EQUIPMENT AND SUPPLIES

The ZKNSh-2, 8 rod weeder. L. Zhigarev. Tekh. v sel'khoz. 23 no. 6:40-42 Je '63.

WEEDS—IDENTIFICATION

Fruit of wormwood occurring as weeds in the U.S.S.R. T. P. Golova. Nauch. dokl. vys. shkoly; biol. nauki no. 1:95-103 '63.

WEEVILS—EXTERMINATION

What new achievements does science offer to agriculturists. M. Butsenicha, V. Lobov. Nauka i zhyttia 12 no. 3:40-41 Mr '63.

WEIGHING MACHINES

Electric scales for weighing agricultural machinery. I. A. Mitichkin, A. P. Altulin. Trudy VISKHOMa no. 34:34-42 '62.

WEIGHT FUNCTIONS

Rings of functions integrable with weight. G. N. Chebotarev. Uch. vys. ucheb. zav., mat. no. 5:133-145 '63.

WEIGHT LIFTING

Effect of crossbar exercises on the development of the foot in young people. B. E. Podskotskii. Teor. i prak. fiz. kul't. 26 no. 1:73-74 Ja '63.

Moroz, R. P. [Develop strength] Razvivaite silu. 4., dop. izd. Moskva, Izd-vo "Fizkul'tura i sport," 1963. 128 p.

WEIGHTLESSNESS SIMULATORS

Reporting from weightlessness. Aleksei Golikov, Ivan Kasian. Ogonek 41 no. 39:28-29 S '63.

WEIRS

Contracted broad-crested weir. L. G. Remennikova. Trudy OmSKhI 41:135-140 '60.

Discharge coefficient of a polygonal weir. A. S. Gints. Trudy OmSKhI 41:105-114 '60.

WELDING
(see also subdivision under Lithuania)

The AEGP2A mobile two-position welding unit. V. P. Osipenkov. Stroi. truboprov. 8 no. 8:32 Ag '63.

Automation of welding operations. M. F. Maslak, N. A. Rumshin. Zhel. dor. transp. 45 no. 10:67-69 O '63.

Change in the quality evaluation of welded joints of pipelines. L. G. Telegin. Stroi. truboprov. 8 no. 8:5-7 Ag '63.

A communistic attitude toward work is a must. Svar. proizv. no. 10:1-2 O '63.

Conditions of the initiation of brittle fracture in welded elements of the rolling stock and methods for its prevention. M. M. Kratchik. Trudy TSNII MPS no. 260:4-30 '63.

Consultations on letters from readers. A. A. Chekanov. Svar. proizv. no. 10:48 O '63.

Diffusion welding of magnetic alloys. N. F. Kazakov, I. A. Novikov. Vest. mashinostr. 43 no. 10:84-86 O '63.

Effect of some design and technological factors on the fatigue strength of welded joints. M. M. Kratchik. Trudy TSNII MPS no. 260:31-35 '63.

WELDING (Continued)

Increasing the service reliability and life span of welded constructions. I. P. Rabinovich, S. B. Kipnis. Trakt i sel'khozmash. 33 no. 3 38-41 Mr '63.

Thermite welding of the joints of grounding devices. V. P. Larov. Zhil.-kom. khoz. 11 no. 12 34 D '61.

Use of welding for the rolling stock made from aluminum alloys. I. A. Moiseev, V. V. Pashkov. Trudy TsNII MPS no. 200 45-60 '63.

WELDING—BIBLIOGRAPHY see Bibliography—Welding

WELDING—STUDY AND TEACHING

New group of welding engineers. I. F. Kobzev. Svar. proizv. no. 10 45 O '63.

WELDING—TESTING

Analyzing the causes of failures of the welded structures of the rolling stock under the conditions of low work stresses. M. M. Kraichik, V. B. Tskipurishvili, D. M. Kitan. Trudy TSNII MPS no. 200 36-44 '63.

Structure and properties of welded joints in OKh13 (EI496) steel. N. M. Lorolev, V. P. Riabov, Iskan. Svar. proizv. no. 10 20-22 O '63.

WEST GERMANY see Germany, West

WESTERN EUROPE see Europe, Western

WESTERN SIBERIA see Siberia, Western

WETTING

Using photoluminescence analysis to study the distribution of water in a coal massif on injecting it into the seam. V. D. Karpukhin, R. P. Korotkov, G. V. Medvede. Nauch. trudy KHGI 11 37-44 '62.

WHALES see subdivision under Barents Sea

WHALES—FOOD

Feeding habits and helminths of whalebone whales (Mystacoceti) on the main whaling grounds of the world ocean [with summary in English]. S. K. Klumov. Trudy Inst. okean. 71 94-194 '63.

WHALES—PARASITES see Parasites—Whales

WHALING—LAWS AND REGULATIONS see subdivision under Antarctic regions

WHEAT

(see also subdivision under Caucasus, Northern, Kazakhstan, Siberia, Western, Ukraine)

Anatomy of the vegetative organs of two tetraploid species of wheat. IU. I. Berkhin. Bot. zhur. 48 no. 9 1368-1373 S '63.

Controlled development of frost resistance in winter wheat hybrids. IU. P. Shalin. Nauch. trudy Vses. sel.-gen. inst. no. 5:42-46 '62.

Effect of fast neutrons on the development of winter wheat PPG-186. Sin Chen'-Man' [Hsü Chien-Wan], V. V. Khvostova. Radiobiologiia 2 no. 6 926-930 '62.

Formation of biologically active substances by the bacteria of wheat rhizosphere. V. T. Smalii. Trudy inst. mikrobiol. no. 11:284-291 '61.

Polyteny in the nuclei of wheat antipods. E. V. Ivanovskaia, Z. D. Prokof'eva. Dokl. AN SSSR 152 no. 2 446-449 S '63.

WHEAT—ANALYSIS

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zerna i produktov ego pererabotki. [Methodological instructions on determining the technological characteristics of wheat] Metodicheskie ukazaniia po opredeleniiu tekhnologicheskikh svoistv zerna pshenitsy. Moskva, 1963. 60 p.

[MICROFILM]

WHEAT—DISEASES AND PESTS see subdivision under Alma-Ata Province; Tselinograd Province

WHEAT—DRYING

Effect of moisture on the coefficient of thermal conductivity of a single grain of wheat. G. A. Dzhorogian, I. S. Blokhina. Trudy VNIIZ no. 44 121-129 '63.

WHEAT—FERTILIZERS AND MANURES see subdivision under Kulunda Steppe

WHEAT—VARIETIES

Amount of nucleic acids and some other phosphorus compounds in early and late varieties of spring wheat [with summary in English]. N. I. Semenenko, L. O. Krasyl'nikova, IU. P. Korzhenko. Ukr. biokhim. zhur. 34 no. 2 275-285 '62.

History of the origin of multieared wheat. K. V. Volkovich. Vest. AN Kazakh SSR 18 no. 4 61-68 Ap '62.

Resistance of various winter wheat varieties to low temperatures as related to meteorological conditions. E. M. Shumakova. Nauch. trudy Vses. sel.-gen. inst. no. 5:55-66 '62.

WHISKEY

First experiment in the production of Soviet whiskey. V. IA. Eyteev, Z. K. Ashkinuzi. Trudy UkrNIISP no. 5: 203-214 '59.

WHITE RUSSIA—ADVERTISING—BOOKS

Promoting books in White Russia. A. I. Rakovich. Kniga: issl. i mat. 8 82-101 '63.

WHITE RUSSIA—AGRICULTURE—FINANCE

Utilize capital investments better. V. Tarasevich, IA. Bliankman. Ekon. sel'khoz. 34 no. 10 64-70 O '63.

WHITE RUSSIA—AUTOMOBILE INDUSTRY

Welding in carbon dioxide at the White Russian Automobile Plant. M. G. Ratgon. Svar. proizv. no. 10 25-27 O '63.

WHITE RUSSIA—CARBONATES

Formation of carbonates in present-day reservoirs in the White Russian lake region. K. I. Lukashev, V. A. Khomich. Dokl. AN BSSR 7 no. 4 259-261 Ap '63.

WHITE RUSSIA—CATALOGING OF ARCHIVAL MATERIAL

Cataloging of documentary materials in archives of White Russia. S. D. Pankratova. Vop. arkh. 8 no. 2 66-69 Ap-Je '63.

WHITE RUSSIA—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Place the delivery of equipment under public control. IA. Karpov. Sov. profsoiuzy 19 no. 17 7-9 S '63.

WHITE RUSSIA—CITY PLANNING

Let us build well-planned settlements. A. Kireev. Komm. Bel. 37 no. 9 32-36 S '63.

WHITE RUSSIA—COMMUNIST EDUCATION

Let us extend and develop the study of Marxism-Leninism in every possible way. Komm. Bel. 37 no. 9:3-8 S '63.

WHITE RUSSIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

A little about everything. Komm. Bel. 37 no. 9 78-79 S '63.

New developments in ideological work. Komm. Bel. 37 no. 10 48-49 O '63.

WHITE RUSSIA—CONSTRUCTION INDUSTRY

Our party should control the construction of large chemical plants. Komm. Bel. 37 no. 10 28-31 O '63.

WHITE RUSSIA—CROPS AND CLIMATE

A useful study. N. Dorozhkin, N. Rogozin. Komm. Bel. 37 no. 9 73-74 S '63.

WHITE RUSSIA—DRAINAGE

Zubets, V. M., ed. [The Minsk Swamp Experiment Station is 50 years old] Minskoi bolotnoi stantsii 50 let. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 204 p.

(DNAL)

WHITE RUSSIA—EDUCATION, HIGHER

Republic-wide survey of student research papers. P. I. IAshchenitsyn. Vest. vys. shkoly 21 no. 10 41-43 O '63.

WHITE RUSSIA—EFFICIENCY, INDUSTRIAL

Our work is socially useful if it is honest and efficient. G. Napreev. Komm. Bel. 37 no. 10 50-54 O '63.

WHITE RUSSIA—ENGINEERS

Best engineers of White Russia. I. G. Es'man, A. G. Gimpelev. Mekh. stroi. 20 no. 8 1 Ag '63.

WHITE RUSSIA—FARM MECHANIZATION

Utilize capital investments better. V. Tarasevich, IA. Bliankman. Ekon. sel'khoz. 34 no. 10 64-70 O '63.

WHITE RUSSIA—FERTILIZER INDUSTRY

Our party should control the construction of large chemical plants. Komm. Bel. 37 no. 10 28-31 O '63.

WHITE RUSSIA—HISTORY

An example of devoted service to our people. N. Orekhvo, A. Matsko. Komm. Bel. 37 no. 9 53-59 S '63.

WHITE RUSSIA—HISTORY—SOURCES

Marchenko, I. E., comp. [Anthology on the history of White Russia] Khrestomatiia po istorii BSSR. Pod red. I. S. Kravchenko. Minsk, Uchpedgiz BSSR.
Vol. 2. 1962.
(MH)

WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Mass control in practice. G. Sementikhin. Komm. Bel. 37 no. 10 32-38 O '63.

WHITE RUSSIA—LABOR AND LABORING CLASSES

"Workers of the White Russian S.S.R. in the postwar period, 1946-1960" by I. E. Marchenko. Reviewed by B. N. Kazantsev. Vop. ist. 38 no. 10 130-131 O '63.

WHITE RUSSIA—MACHINERY INDUSTRY

Problems of the development of the machinery industry. B. Obukhov. Komm. Bel. 37 no. 10 71-74 O '63.

WHITE RUSSIA—PHYSICAL THERAPY

Work of the White Russian Society of Physicians and Specialists of Health Resort Treatment [illegible]. Vop. kurortol. fizioter. i fizich. lech. kultf. [illegible] Jl-Ag '62.

WHITE RUSSIA—RADIOBROADCASTING

Shock force of the ideological front. [illegible] Komm. Bel. 37 no. 9 19-24 S '63.

WHITE RUSSIA—RAILROADS—EMPLOYEES

Trains race past their house. I. Lukashevich [illegible] sial. 39 no. 9 8-9 S '63.

WHITE RUSSIA—REVOLUTION, 1917-1921

Follow-up of articles published in our journal. [illegible] Bel. 17 no. 10 80 O '63.

WHITE RUSSIA—ROCKS—ANALYSIS

Composition of fractions less than 0.[illegible] carbonate part of marl-chalk rock [illegible] tion of the White Russian S.S.R. [illegible] AN SSSR 152 no. 2 422-425 S '63.

WHITE RUSSIA—RUSSIAN SOCIAL DEMOCRATIC PARTY

Half a century ago. V. Skorobogatyi. [illegible] no. 9 70-72 S '63.

WHITE RUSSIA—STARCH INDUSTRY

Establishment of norms for raw materials. [illegible] Sakh. prom. 37 no. 11 68-69 N '63.

WHITE RUSSIA—STARCH INDUSTRY—EQUIPMENT AND SUPPLIES

New technological flow sheets of the grinding [illegible] the Zaspenskii Starch Factory. A. I. Shvaiu. prom. 37 no. 11 67-68 N '63.

WHITE RUSSIA—STATE FARMS

Specialization of the state farm production [illegible] tem of agriculture. P. F. Borisov. [illegible] no. 10 7-11 O '63.

WHITE RUSSIA—SUGGESTION SYSTEMS

Develop the technical creativeness of the [illegible] I. Makarov. Sov. profsoiuzy [illegible]

WHITE RUSSIA—SWAMPS

Zubets, V. M., ed. [The Minsk Swamp Experiment Station is 50 years old] Minskoi bolotnoi [illegible] Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, [illegible] (DNAL)

WHITE RUSSIA—TECHNOLOGICAL INNOVATIONS

Develop the technical creativeness of the [illegible] I. Makarov. Sov. profsoiuzy [illegible]

WHITE RUSSIA—TELEVISION BROADCASTING

Shock force of the ideological front. [illegible] Komm. Bel. 37 no. 9 19-24 S '63.

WHITE RUSSIA—TRADE UNIONS

Place the delivery of equipment under [illegible] IA. Karpov. Sov. profsoiuzy [illegible]

WHITE RUSSIA—WHITEFISHES

Significance of the stage of mixed feeding [illegible] ment of the larvae of whitefish. I. V. Vo[illegible] AN BSSR 7 no. 4 274-276 Ap '63.

WHITE RUSSIA—WORLD WAR, 1939-1945—ATROCITIES

Documents which show their crime. [illegible] Komm. Bel. 37 no. 10 67-70 O '63.

WHITE RUSSIAN FOLK SONGS see Folk songs, Russian

WHITE RUSSIAN NEWSPAPERS

A problem of great importance. G. Gladkov. Bel. 37 no. 9 86-89 S '63.

WHITE RUSSIAN POETRY—HISTORY AND CRITICISM

Prokof'ev, A. A., and R. I. Fainberg, eds. [Russian poets of the 10th and beginning of the [illegible] Belorusskie poety XIX-nachala XX veka. [illegible] Sovetskii pisatel', 1963. 461 p. (Biblioteka poeta. Bol'shaia seriia. 2. Izd.)

WHITE SEA—DRIFT

Using radar for observing drift ice in the [illegible] Strait. E. M. Novikova. Okeanologiia [illegible] 739 '63.

WHITE SEA—MARINE FAUNA

Are there Pacific Littorina relicts in [illegible] K. N. Nesis. Okeanologiia 1 no. 3 [illegible]

WHITE SEA REGION—NATURAL HISTORY

On the White Sea. V. Fedotov. [illegible]

WHITEFISHES see subdivision under Baikal, [illegible] Kharkov Province, Russia, Northern; Vilyui [illegible] White Russia

WHOLESALE TRADE
(see also subdivision under Baku, Ivanovo Province, Karakhstan)
Let's improve the bonus system for wholesale trade workers. K. Skrypka. Sov. torg. 36 no. 8:20-21 Ag '63.

WHOLESALE TRADE—EQUIPMENT AND SUPPLIES
see subdivision under Perm Province

WHOOPING COUGH
Whooping cough. V. Vozlinskaia. Doshk. vosp. 36 no. 10 100-101 O '63.

WILD OATS see subdivision under Virgin Territory

WILD RICE see subdivision under Sakhalin

WILDLIFE, CONSERVATION OF see subdivision under Leningrad Province

WILDLIFE CENSUS see subdivision under Moscow Province

WILHELM II COAST, ANTARCTICA—ROCKS—MAGNETIC PROPERTIES
Magnetic susceptibility of rocks of individual nunataks on the Queen Mary Coast and the Wilhelm II Coast. O. K. Vladimirov, A. M. Karnasik, A. M. Malinovkin. Inform. biul. Sov. antark. eksp. no. 35 11-13 '62.

WILLEMITE see subdivision under New Jersey

WILLOWS see subdivision under Lena Valley

WILNO see Vilnius

WINDING MACHINES
Some problems in yarn winding from the warping beam. A. IA. Milʹman, V. P. Khavkin. Izv. vyss. ucheb. zav.; tekh. tekst. prom. no. 4:82-89 '63.

WINDOWS
Sakharov, M. D. [Machine production of window units] Mekhanizatsiia proizvodstva okonnykh blokov. Moskva, Gosstroiizdat, 1963. 106 p. (Nastoichivo vnedrilatʹ peredovoi opyt v proizvodstvo!)

WINDOWS—STANDARDS
Change No. 5 in the All-Union State Standard 5088-56. Biul. strel. tekh. 20 no. 8, 20 Ag '63.

WINDS
(see also subdivision under Antarctic regions, Fergana)
Accuracy of mean climatic characteristics of wind. A. S. Marchenko. Trudy NIIAK no. 9, 77-85 '63.
Analysis of the hodograph of wind velocity in the boundary layer of the atmosphere. A. V. Tkachenko, N. M. Voteyakina, N. M. Gaidukhin. Trudy UkrNIGMI no. 11:48-53 '62.
Changes in the direction of wave movement caused by wind action. N. A. Bagrov. Okeanologiia 3 no. 4:820-832 '63.
Development of the theory of the generation of wind waves at the end of the 19th and in the first half of the 20th century. G. D. Kononkova. Ist. i metod. est. nauk no. 4:200-237 '63.

WINE AND WINE MAKING
Effect of the ascorbic acid on the quality and stability of table wines. V. M. Loza, I. B. Platonov. Izv. vyss. ucheb. zav.; pishch. tekh. no. 4:65-68 '63.
Exchange adsorption of tartaric acid anions from a potassium bitartrate solution on the AB-16 anion. Ill. S. Kharin. Izv. vyss. ucheb. zav.; pishch. tekh. no. 4:69-71 '63.

WINGS
Postembryonic changes in the functional characteristics of the wing muscles of the Asiatic migratory locust. I. V. Chudakova. Dokl. AN SSSR 152 no. 6:1490-1493 O '63.
Venation of posterior wings of water and shore bugs. L. V. Puchkova. Pratsi Inst. zool. AN URSR 17:124-131 '61.

WINTER
Treasure chest of Father Frost. N. Bobneva. Ilʹin. mat. no. 2:38-39 F '63.

WINTER WARFARE
Sappers carry out reconnaissance in winter. V. Rodionov. Voen. vest. 41 no. 1:90-93 Ja '62.

WIRE DRAWING
Making thin, shaped wire with a roller draw die. A. L. Tarnavskiĭ, V. I. Galduchenko. Stalʹ 23 no. 10:951-953 O '63.
Microstresses in cold-drawn steel wire. L. A. Krasilʹnikov, A. A. Nadezhdina. Izv. vys. ucheb. zav., chern. met. 6 no. 6:151-154 '63.

WITTIG REACTION
New method of expanding the carbon chain of carbohydrates by means of Wittig reaction. IU. A. Zhdanov, G. N. Dorofeenko, L. A. Uzlova. Zhur. ob. khim. 33 no. 10 3144-3145 O '63.
Wittig reaction used in the synthesis of 3-substituted quinuclidines. L. N. IAkhontov, L. I. Mastafanova, M. V. Rubtsov. Zhur. ob. khim. 33 no. 10 3211-3214 O '63.

WOLFF, WILHELM, 1809-1864
A book on a friend and associate of K. Marx and F. Engels. V. A. Morozova. Vop. ist. KPSS 7 no. 10 131-136 O '63.

WOMEN—CONGRESSES
Voice of your daughters, our planet. Sov. Soiuz no. 8:1-7 '63.

WOMEN—EMPLOYMENT
(see also subdivision under Baranovichi, Rumania, South Africa, Republic of)
First woman astronaut appeals to our readers. Vsem prof. dvizh. no. 10 36 O '63.
For united action on behalf of women workers. Elena Fedorescu. Vsem prof. dvizh. no. 10 30-32 O '63.
Letters to the editor. Rab. i sial. 39 no. 8 20 S '63.
Man gets educated in the collective. V. Gaganova. Polit. samoobr. 7 no. 7, 29-30 Jl '63.

WOMEN—RIGHTS OF WOMEN
Eliminating the surviving traces of the social inequality of women. V. Tkachenko. Komm. Bel. 37 no. 10 55-59 O '63.

WOMEN—SOCIAL AND MORAL QUESTIONS
"Sister Banysa," Halina Vasilenskaia. Rab. i sial. 39 no. 9, 18-20 S '63.

WOMEN—SOCIETIES AND CLUBS see subdivision under Gomelʹ District, Vitebsk

WOMEN AND PEACE
Children are our future. T. Dolzhin. Sovr. Mong. 8 no. 6, 2-3 Jl [i. e. Je] '63.
A congress of hope, friendship, and unity. Rab. i sial. 39 no. 7:2 Jl '63.
Peace, freedom and the happiness of all people. Rab. i sial. 39 no. 0-2 of cover-1 S '63.
Peace, friendship and unity! An appeal of the International Congress of Women. Rab. i sial. 39 no. 7, 3-4 Jl '63.

WOMEN AS LETTER CARRIERS
A letter carrier. I. Katonski. Rab. i sial. 39 no. 9, 8 S '63.

WOMEN AS TEACHERS see subdivision under Kazakhstan

WOMEN IN AERONAUTICS
Family of the winged. A. Shieh, IA. Kuchar. Rab. i sial. 39 no. 9, 10-11 S '63.

WOMEN IN AGRICULTURE
Hero is a heroic life too. Alesʹ Rybak. Rab. i sial. 39 no. 7:10-12 Jl '63.
New grain. P. Mikhelkin. Rab. i sial. 39 no. 9-2 S '63.

WOOD—ANATOMY
Greguss, Pal. [A guide to the wood analysis of gymnosperms based on microscopic data. Translated from the Hungarian] Opredelitelʹ drevesiny golosemennykh po mikroskopicheskim priznakam. [Moskva] Izd-vo Mosk. univ. 1963. 183 p. 7 diagrs. insert.

WOOD—CHEMISTRY
(see also subdivision under Karelia; Perechin)
Chromatographic analysis of higher fatty acids in wood chemical products. L. V. Kosilkova, IU. V. Vodzinskiĭ, IU. K. Shaposhnikov. Gidroliz. i lesokhim. prom. 16 no. 7:9-11 '63.
Improve the work of the Scientific and Technical Society by all possible means. S. G. Gorchenkov. Gidroliz. i lesokhim. prom. 16 no. 7:1-2 '63.
Increase the selection of wood chemistry products. K. P. Mikheev. Gidroliz. i lesokhim. prom. 14 no. 6:15-17 '61.
In the sections of Scientific Councils. Gidroliz. i lesokhim. prom. 16 no. 7:28-29 '63.
Problems of the hydrolysis and wood chemistry industry in the light of the resolutions of the 22d Congress of the CPSU. S. V. Chopigo. Gidroliz. i lesokhim. prom. 14 no. 8:1-4 '61.
Reorganization of the Moscow Branch of the State Scientific Research Institute of the Hydrolysis and Sulfite Alcohol Industry. Gidroliz. i lesokhim. prom. 16 no. 7:29 '63.
Thirty-third session of the Scientific Council of the Central Wood-Chemical Scientific Research Institute. Gidroliz. i lesokhim. prom. 14 no. 8, 27-28 '61.

WOOD—MOISTURE
Wood moisture of growing Siberian pine trees. L. N. Isaeva. Izv. SO AN SSSR no. 6. Ser. biol.-med. nauk no. 2:51-55 '63.

WOOD—TESTING
Testing machine for the impact (lateral) bending of wood. A. N. Elkin. Trudy OmSKhI 41:163-166 '60.

WOOD, COMPRESSED
Parts made of wood particles. A. U. Margulis. Mebelʹ-nost. promyshl. no. 11 30 N '63.

WOOD FINISHING
Koroshun, L. L., and others. [Finishing veneerless particle boards] Otdelka nefanerovannykh struzhechnykh plit. Moskva, TSentr. nauchno-issledovatelʹskiĭ in-t informatsii i tekhniko-ekon. issledovanii po lesnoi tsellyulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoz. 1963. 22 p. (Derevoobrabotka) [MICROFILM]
Using electric heating sheets for gluing in woodworking. L. M. Kovalʹchuk, V. M. Chistiakov. Der. prom. 12 no. 8 7-8 Ag '63.
Using the PE-220 polyester lacquer for finishing wooden articles. V. G. Maksimova and others. Lakokras. mat. i ikh prim. no. 1:18-50 '62.

WOOD FINISHING—EQUIPMENT AND SUPPLIES
Machine for drying oil treatment and priming of veneer. V. N. Ryndenko. Lakokras. mat. i ikh prim. no. 5, 68-69 '63.

WOOD-OIL
Vapor-phase pyrolysis of wood-tar oils. I. P. Uvarov and others. Gidroliz. i lesokhim. prom. 14 no. 8 5-6 '61.

WOOD TAR
Distillation of pyrogenic wood tar in tubular furnaces. S. IA. Korotov and others. Gidroliz. i lesokhim. prom. 14 no. 8 7-8 '61.

WOOD-USING INDUSTRIES
Scientific and technological conference on the problem of supplying industries with high-quality and economic wooden goods. Der. prom. 12 no. 8, 30 Ag '63.

WOOD-USING INDUSTRIES—BIBLIOGRAPHY see Bibliography—Wood-using industries

WOOD-USING INDUSTRIES—EQUIPMENT AND SUPPLIES
Putting into practice the system of planned preventive maintenance. A. I. IAkunichev. Bum. prom. 38 no. 10 13-14 O '63.

WOOD-USING INDUSTRIES—SAFETY MEASURES
Results of the competition for the best proposal for the establishment of safe and hygienic work conditions. Les. prom. 40 no. 5:20-21 My '62.

WOOD-USING INDUSTRIES—TECHNOLOGICAL INNOVATIONS
Results of the contest for the best scientific and technical paper. Gidroliz. i lesokhim. prom. 16 no. 7, 30 '63.

WOOD WASTE
Manufacture of chips for industrial purposes (to be concluded). I. A. Otlev. Les. prom. 40 no. 6 5-7 Je '62.
Procurement of chips in cutover. I. V. Kessel'. Les. prom. 40 no. 6 32, 3 of cover Je '62.

WOODEN BRIDGES see Bridges, Wooden

WOODPULP
Generalization of practices for the production of woodpulp for various types of paper. Bum. prom. 38 no. 9, 17 S '63.

WOODPULP INDUSTRY
(see also subdivision under Archangel Communist Countries, Kotlas, Krasnoyarsk, Syvatogorsk)
From foreign journals. Bum. prom. 38 no. 9:31 S '63.
Improvement of the technology is the main task. S. F. Melʹnikov. Bum. prom. 38 no. 9 3-4 S '63.
Preparing to welcome the Third Congress of the Scientific and Technical Society. Bum. prom. 38 no. 10:1-2 O '63.
Speed up the expansion of woodpulp production. Bum. prom. 38 no. 9:1-2 S '63.
TSentralʹnyi institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshlennosti. [Intensifying the production processes at hydrolytic and wood chemistry enterprises] Intensifikatsiia proizvodstvennykh protsessov na gidrolizʹnykh i lesokhimicheskikh predpriiatiiakh. Moskva, 1963. 45 p. (Gidroliz i lesokhimiia) [MICROFILM]

WOODPULP INDUSTRY—COSTS
Steadily reduce the costs of production. A. P. Vikulov. Bum. prom. 38 no. 10 28-30 O '63.

WOODPULP INDUSTRY—EQUIPMENT AND SUPPLIES
(see also subdivision under Kotlas)
Chopping machines for reed. A. P. Potolov. Bum. prom. 38 no. 9:29 S '63.
Standard dimension series of domestic woodpulp pumps. A. M. Litvinenko. Bum. prom. 38 no. 9:30-33 S '63.
[Technology and equipment of the papermaking and printing industry] Ref. zhur.: Tekh. i obor. bumagodel. i poligr. proizv. nos. 11-12 N-D '63.

WOODPULP INDUSTRY—TECHNOLOGICAL INNOVATIONS

The organization of contests is an important part of the activities of the Scientific and Technical Society. S. G. Gorchenkov. Bum. prom. 38 no. 9 17-18 S '63.

WOODWORKING INDUSTRIES
(see also subdivision under Bratsk, Siberia, Soviet Far East)

Accelerate the development of sawmilling and wood processing. Les. prom. 40 no. 5 32, 3 of cover. My '62.

WOODWORKING INDUSTRIES—BIBLIOGRAPHY see Bibliography—Woodworking industries

WOODWORKING INDUSTRIES—EQUIPMENT AND SUPPLIES

Bunker-type installation for loading shavings into a motor vehicle. A. V. Podshivalov, V. I. Rodionov. Der. prom. 12 no. 8 24-25 Ag '63.

WOODWORKING INDUSTRIES—LABOR PRODUCTIVITY see subdivision under Borisov

WOODWORKING MACHINERY

Machining cellulose and wood with hard-alloy tools. I. P. Zakharenko, O. A. Pugacheva. Mashinostroitel' no. 11 31 N '63.

New technological processes and automatic equipment for finishing wooden articles. V. M. Vladimirov. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10 58-65 '63.

What the Leningrad designers are working on. S. IA. Novikov. Les. prom. 40 no. 6 32 Je '62.

Working of parts with semioval profiles on the FK-1 carrousel-type milling machine. G. M. Liulin. Der. prom. 12 no. 8 23 Ag '63.

WOODWORKING MACHINERY—STANDARDS

Circular-saw wood-cutting machines. M. S. Rudnik, P. I. Landa. Standartizatsiia 27 no. 10 39-40 O '63.

WOODY PLANTS see subdivision under Azerbaijan

WOOL

Hidden potentialities for reducing expenditures on state deliveries of wool. N. Pisarenko. Sov. potreb. koop. 7 no. 8 37-39 Ag '63.

Regulations for the delivery of scoured wool. A. I. Knazev. Standartizatsiia 27 no. 10 31-35 O '63.

Some regularities in the utilization of the sulfur of organic and inorganic compounds in the formation of wool keratin in sheep. A. L. Paduchova, V. S. Lokarev. Trudy VIZH 24 366-385 '62.

WOOL—TESTING

Rapid method for determining the thinness of wool fibers in an air jet. L. A. Lavishis, N. A. Semina. Nauch.-issl. trudy TSNIIShersti no. 16:177-186 '61.

WOOL CARDING

Aerodynamic attachment to a wool carder. N. A. Umanskii, V. V. Polishchuk. Khim. mashinostr. no. 3, 43-45 My-Je '63.

WOOL INDUSTRY

Methods for determining labor input requirements in the wool industry. A. A. Tuchaninov. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 4:3-7 '63.

WOOLEN AND WORSTED MANUFACTURE
(see also subdivision under Bryansk)

Aleshin, P. A. [New technology and equipment for wool and worsted manufacture] Novaia tekhnologiia i oborudovanie sherstotkatskogo proizvodstva. Moskva, Gizlegprom, 1963. 194 p.

Application of beam warping and sizing in the weaving of fine woolen cloth. M. V. Churbanova, T. I. Istomina. Nauch.-issl. trudy TSNIIShersti no. 16, 34-43 '61.

Increasing the size of weft packages in the weaving of woolen cloth. T. S. Akimov, N. IU. Berkovich, V. A. Liubimov. Nauch.-issl. trudy TSNIIShersti no. 16:43-54 '61.

Lightening the weight of woolen fabrics. L. G. Leites. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 16 no. 10:71-73 '63.

Methods of construction and count in the manufacture of woolen grey fabrics. V. A. Vorob'ev. Nauch.-issl. trudy TSNIIShersti no. 16:73-91 '61.

Wool scouring in a neutral medium. E. M. Bessudova. Nauch.-issl. trudy TSNIIShersti no. 16, 90-101 '61.

WOOLEN AND WORSTED SPINNING

Increasing the uniformity of the roving in worsted spinning. F. S. Gushcha. Nauch.-issl. trudy TSNIIShersti no. 16:3-17 '61.

Studies in the field of the processing of wool blends with synthetic fibers in worsted spinning. T. V. Kononenko. Nauch.-issl. trudy TSNIIShersti no. 16:18-34 '61.

WORK

Apparatus for studying work conditions. E. I. Goldman. Les. prom. 40 no. 5, 20 My '62.

WORK CLOTHES

Work clothes for students in the building professions. G. G. IAstrebov. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 11-43 '59.

WORKBOATS—EQUIPMENT AND SUPPLIES

Equipment of standard buoyage service ships and motor launches. P. P. Konovalov. Trudy LIVT no. 35 38-40 '62.

WORKING WOMEN'S CLUBS see subdivision under Gomel'

WORKS COUNCILS

The floor belongs to the workers' meeting. E. Makukhin. Sov. profsoiuzy 19 no. 19 36-38 O '63.

Man and the meeting. Viktor Polynin. Sov. profsoiuzy 19 no. 20 32-33 O '63.

WORLD FEDERATION OF TRADE UNIONS

Strengthen the international solidarity of workers. R. Dinio. Sov. profsoiuzy 19 no. 19 40-41 O '63.

WORLD HISTORY

"Malayan and world history" [in English] by E. H. Dance, G. P. Dartford. Reviewed by V. A. Tiurin. Nar. Az. i Afr. no. 5 203-207 '63.

WORLD POLITICS

Afro-Asian solidarity and the concept of isolation. L. Stepanov. Nov. vrem. 21 no. 39:8-10 S '63.

Brief news on international events. Nov. vrem. 21 no. 41 32 O '63.

Brief notes on international events. Nov. vrem. 21 no. 43, 32 O '63.

Chronicle of international events. Nov. vrem. 21 no. 39, 32 S '63.

Chronicle of international events. Nov. vrem. 21 no. 44: 32 N '63.

Chronicle of international events. Nov. vrem. 21 no. 45 32 N '63.

Crisis of imperialist policy. V. Granov. Polit. samoobr. 7 no. 7-92-101 Jl '63.

Current problems of world politics. Natal'ia Sergeeva and others. Mir. ekon. i mezhdunar. otn. no. 10 78-92 '63.

France and the U. S. A. The lingering controversy across the ocean. L. Vidiasova. Mezhdunar. zhizn' 10 no. 12, 32-41 D '63.

International notes. Nov. vrem. 21 no. 41-23-25 O '63.

International notes. Nov. vrem. 21 no. 43-23-25 O '63.

It is worth thinking about, Ch'in-hsiang! Evgenii Voskresenskii. Ogonek 41 no. 37 6-7 S '63.

Marxist-Leninist program of the communist movement. Kommunist 40 no. 17 12-24 N '63.

Methodical advice. Mezhdunar. zhizn' 10 no. 12:149-151 D '63.

Notes of an observer. Sov. Soiuz no. 9:1, 4 '63.

Notes on international events. Nov. vrem. 21 no. 39: 21-23 S '63.

Notes on international events. Nov. vrem. 21 no. 44:24-26 N '63.

Notes on international events. Nov. vrem. 21 no. 45:21-23 N '63.

Observer's notes. Sov. Soiuz no. 8:2-4 '63.

Our commentaries. Nov. vrem. 21 no. 41 1-3 O '63.

Our commentaries. Nov. vrem. 21 no. 43:1-3 O '63.

Our panorama of international events. Az. i Afr. seg. no. 11:16-17 N '63.

Peace, independence, and socialism. B. Gafurov. Az. i Afr. seg. no. 11:2-4 N '63.

WORLD POLITICS—BIBLIOGRAPHY see Bibliography—World politics

WORLD WAR, 1939-1945
(see also subdivision under Bulgaria, Far East; France; Italy, Kalinin Province; Kiev, Leningrad; Minsk, Norway; Novorossiysk, Poland, Slovakia, Thailand; Turkmenistan, Ukraine, White Russia; Yugoslavia)

Beliaevskii, V. A. [Role of the Cossacks in the Second World War and their tragic fate, 1939-1945] Vtoraia Mirovaia voina, rol' kazachestva v etoi voine i tragediia takovogo, 1939-1945 g. g. S predisl. V. D. Merzheevskogo. São Paulo, 1963. 104 p.

Blank, A. S. [The "Free Germany" National Committee as the center of the antifascist action of German patriots, 1943-1945] Natsional'nye komitet "Svobodnaia Germaniia" tsentr antifashistskoi bor'by nemetskikh patriotov; 1943-1945 gg. Vologda, Vologodskoe knizhnoe izd-vo, 1963. 91 p.
[MICROFILM]

Heroic deeds of the Soviet people. Ukraina no. 13:6 Je '61.

Immortal deeds of the people. I. Aleksandrov, E. Soldatenko. Polit. samoobr. 7 no. 11:123-129 N '63.

Mystery of "Cicero" (to be concluded). V. Gilensen. Smena 40 no. 19:18-21 O '63.

Notable victories. N. M. Kharlamov. Mor. sbor. 47 no. 11:90-95 N '63.

Snipers operate in the forest.... P. Trifonov. Vech. znan. 39 no. 10 9-10 O '63.

WORLD WAR, 1939-1945—AERIAL OPERATIONS

Be like that! G. Lobov. Sov. voin 45 no. 21:2-3 N '63.

A hero tells about heroes. S. Ural'skii. Kryl. rod. 14 no. 10 5 O '63.

In aerial battles for the Dnieper River. V. Lukarin. Kryl. rod. 14 no. 10 3-5 O '63.

New books. Kryl. rod. 14 no. 11:15 N '63.

Shmelev, N. A. [Eyes to the colors] Ravnenie na znamena. Ufa, Bashkirskoe knizhnoe izd-vo, 1962. 130 p. (MH)

Together with attacking troops. A. Vorozheikin. Kryl. rod. 14 no. 11 2-4 N '63.

WORLD WAR, 1939-1945—ATROCITIES

Gestapo ghosts. Lev Ginzburg. Nov. vrem. 21 no. 41 21-22 O '63.

[Villainous objectives and villainous means; documentary materials on the policy of fascist Germany in the occupied part of the U. S. S. R., 1941-1944] Prestupnye tseli - prestupnye sredstva, dokumenty ob okkupatsionnoi politike fashistskoi Germanii na territorii SSSR, 1941-1944 gg. Moskva, Gospolitizdat, 1963. 328 p.

WORLD WAR, 1939-1945—CATHOLIC CHURCH

Historical truth and the "honor of the soutane." S. Gerskii. Nauka i rel. 4 no. 6:41-42 Ag '63.

WORLD WAR, 1939-1945—CHILDREN

Our dear young boys. Andrei Zharikov. Sov. voin 45 no. 21:32-33 N '63.

WORLD WAR, 1939-1945—DIPLOMATIC HISTORY

Failure of a Japanese diplomatic scheme, June-October 1941. S. L. Budkevich. Krat. soob. Inst. nar. Az. no. 64:60-74 '63.

U. S. plans in the decisive period of the war in the Pacific. V. B. Vorontsov. Krat. soob. Inst. nar. Az. 44: 49-59 '63.

WORLD WAR, 1939-1945—ECONOMIC ASPECTS

This is really a feat. M. Gutin. Nov. mir 39 no. 1:272-275 Ja '63.

WORLD WAR, 1939-1945—LITERATURE AND THE WAR

Manuscripts from the front. V. Aleksandrov. Nov. mir 39 no. 2:3-45 F '63.

WORLD WAR, 1939-1945—MANPOWER

This is really a feat. M. Gutin. Nov. mir 39 no. 1:272-275 Ja '63.

WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Afonin, S. G. [Three missions, a partisan's notebook] Tri zadaniia; zapiski partizana. Saransk, Mordovskoe knizhnoe izd-vo, 1962. 134 p. (NIC)

"...the brave fallen in action." S. Kalinik. Smena 43 no. 19:9 O '63.

Epishkin, M. P. [Take a hero as your example] Voz'mi sebe v primer geroia. Moskva, Voenizdat, 1963. 60 p. (Molodomu soldatu i matrosu o voinskoi slushbe)

Heroes are always young. A. Gasparian, L. Abel'tsev. Smena 40 no. 10:10 O '63.

I. V. Boldin's memoirs "Pages of life." Nik. Mikhal'-skii. Zvezda no. 7:211 Jl '62.

On the track of "34." N. Nikol'skii. Ogonek 41 no. 1-13 S '63.

People, years, life. Book 5 (to be continued). I. Ehrenburg. Nov. mir 39 no. 1:87-112 Ja '63.

People, years, life. Book 5 (to be continued). I. Ehrenburg. Nov. mir 39 no. 2:107-143 F '63.

Petrov, A. I. [On enemy shores] U vrazheskikh beregov. [Murmansk] Murmanskoe knizhnoe izd-vo, 1962. 60 p. (NIC)

Shamshiev, T., comp. [Men of Panfilov in battle; reminiscences] Panfilovtsy v boiakh; sbornik vospominanii. Frunze, Kirgizskoe gos. izd-vo, 1962. 131 p. (NIC)

Shmelev, N. A. [Eyes to the colors] Ravnenie na znamena. Ufa, Bashkirskoe knizhnoe izd-vo, 1962. 130 p. (MH)

Students go to the front lines.... N. Osipova. Semia i shkola 18 no. 10, 37 O '63.

WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Afonin, S. G. [Three missions, a partisan's notebook] Tri zadaniia, zapiski partizana. Saransk, Mordovskoe knizhnoe izd-vo, 1962. 134 p. (NIC)

Her birthday. A. Balash. Rab. i stial. 39 no. 7:14-15 Jl '63.

Sviatchenkov, V. D. [Stronger than steel, more powerful than fire, a narrative about partisans] Krepche stali, sil'nee ognia; partizanskaia byl'. [Smolensk] Smolenskoe knizhnoe izd-vo, 1962. 207 p. (NIC)

WORM GEARING see Gearing, Worm

WORMS, INTESTINAL AND PARASITIC

Host reviews. Pediatriia 12 no.5:93-95 My '63.

Feeding habits and helminths of whalebone whales (Myatacoceti) on the main whaling grounds of the world ocean [with summary in English] S.K. Klumov. Trudy Inst.okean. 71:94-101 '63.

Some problems of immunity in helminthology [with summary in English]. N.P.Shikhobalova, D.S Lutkina. Izv.AN SSSR, Ser.biol. 28 no.4:504-513 Jl-Ag '63

WORMWOOD

Fruit of wormwood occurring as weeds in the U.S.S.R. T.P Golova. Nauch.dokl.vys shkoly, biol.nauki no.3:25-103 '63.

Sesquiterpene lactones from whitish and Austrian wormwoods (Artemisia leucodes Ashr.enk and A. austriaca Jacq.). K.S Rybalko. Zhur.ob khim. 33 no.8:2734-2739 Ag '63.

WORMWOOD—DISEASES AND PESTS see subdivision under Kazakhstan

WOUNDS—TREATMENT

Narcosome electrophoresis in the treatment of experimental wounds. N.A. Borisukov. Vop.kurortol.i fizioter.i lech.fiz.kul't. 27 no.4:304-307 Jl-Ag '62

WRESTLING

Miagchenkov, N.I. [Refereeing of wrestling competitions] Sudeistvo sorevnovanii po bor'be. Moskva, Izd-vo "Fizkul'tura i sport," 1963. 94 p.

WRIST—DISLOCATION

Several cases of dislocation of the semilunar bone. V.M. Sukhonosenko. Trudy mol.nauch.sotr., MONIKI no.1:41-45 '59.

X-RAY CRYSTALLOGRAPHY

Calculating the anharmonicity of the thermal vibrations of a crystal lattice during the experimental determination of the integral intensity of X-ray interferences of polycrystals. V.P. Mikhal'chenko, I.P. Mikhailut, G.P. Kushta. Fiz. met. i metalloved. 16 no.3:343-348 S '63.

Determination of the disperasity and microdislocations of crystal lattices based on data of harmonic analysis of the shape of radiograph lines. B.IA. Pines, I.IA. Surovtsev. Kristallografiia 8 no.3:489-493 My-Je '63.

Methodology and accuracy of harmonic analysis of the shape of interference lines. R.V. Kovalenok, I.V. Smushkov. Kristallografiia 8 no.3:494-496 My-Je '63.

Mutual solubility of tolan and diphenyl mercury in the solid state. A.I. Kitaigorodskii, R.M. Miasnikova, V.D. Samarskaia. Kristallografiia 8 no.3:303-307 My-Je '63.

Use of Fourier transforms of approximating functions in X-ray analysis of the fine crystalline structure of polycrystals. V.D Krylov. Kristallografiia 8 no.4:486-489 My-Je '63.

Width of diffraction maxima as dependent on the size of the crystal. P.A. Bezirganian, Zh.O. Ninoian. Kristallografiia 8 no.3:464-465 My-Je '63.

X-ray study of quartz deformations in tectonites. M.P. Volarovich, N.I. Gaidin, K.F. Gusev. Trudy Inst.fiz.Zem. no.23:60-70 '62.

X-RAY DIFFRACTION EXAMINATION

Aluminiferous analogues of glauconite. E.P. Sokolova. Kent.min.syr. no.2:59-63 '62.

Automatic X-ray diffractometer with discrete recording and programmed control for the study of polycrystalline samples. E.L. Lube, D.M. Kheiker. Kristallografiia 8 no.3:440-445 My-Je '63.

Determination of the coordinates of atoms (ions) in a crystal lattice based on the X-ray powder pattern data. S.L. Nudel'man. Kent.min.syr. no.2:100-114 '62.

Identification of micas. D.K. Arkhipenko, T.N. Girgorieva, IA.A. Kosals. Kent.min.syr. no.2:46-51 '62

Methods for studying the oriented aggregation of clay minerals using the X-ray diffraction analysis. TS.M. Rautburd. Kent.min.syr. no.2:69-74 '62.

New data on preobrazhenskite. V.V. Kondrat'eva. Kent.min.syr. no.2:88-93 '62.

New experimental data on the study of the microaggregates of clay minerals. TS.M. Rautburd, L.I. Kul'chitskii. Kent.min.syr. no.2:75-80 '62.

Physicochemical investigation of asbestos from various deposits. N.I. Toker, L.K. Abend, E.P. Krainova. Nauch.trudy VNIIasbest no.3:62-103 '62.

Recent data on the X-ray diffraction examination of phase transitions in sodium niobate. I.G. Ismailzade. Kristallografiia 8 no.3:303-307 My-Je '63.

Space groups and unit cells of organic compounds. Part 1: Derivatives of ethanoanthracene, dodecahydrophenanthrene, and cyclohexene. O.P. Ostpova, IU.T Struchkov. Zhur.strukt.khim. 4 no.5:770-772 S-O '63.

Space groups and unit cells of organic compounds. Part 2: Peri-disubstituted naphthalenes. Z.A. Akopian, R.L. Avotan, IU.T. Struchkov. Zhur.strukt.khim. 4 no.5:772 S-O '63.

Standard X-ray diagrams of the individual carbonates of the calcite and dolomite group. B.G. Ernburg. Kent.min.syr. no.2:94-104 '62.

Structure of the calcination products of some salts of 12-phosphotungstic acid. A.A. Babad-Zakhriapin. Zhur.strukt.khim. 4 no.5:721-727 S-O '63.

X-ray diffraction study of slight defects in complex perovskites. M.F Kupriianov, V.S. Filip'ev. Kristallografiia 8 no.3:356-362 My-Je '63.

X-ray diffraction study of some compounds of the compositions $A(Bi_x, B''_{1-x})O_3$, $(V_{0.8}A''_{0.2})Nb_2O_8$, and $(Ba_{0.1}Sr_{0.2}Ca_{0.4})TiO_3$ (A=Sr, Ba, B' = Fe, Mg, B'' = Nb, A' = K, A'' = La, Hf). I.G. Ismailzade. Kristallografiia 8 no.3:351-355 My-Je '63.

X-ray examination of the mineralogical composition and genesis of clays in the variegated and lower coal-bearing series of the Tuar-Kyr region. N.S. Tsepelev, A.I. Trubin. Izv.AN Azerb.SSR Ser.geol.-geog.nauk i nefti no.3:59-69 '63.

X-ray method of determining the quartz content in mineral mixtures. A.S. Ivotilov, L.L. Denisova. Kent.min.syr. no.2:17-22 '62.

X-ray study of aqueous solutions of tetrafluoboric acid. A.I. Ryss, I.V. Radchenko. Zhur.strukt.khim. 4 no.5:659-663 S-O '63.

X-ray study of some binary oxides of uranium and vanadium. Van Shi-khua [Wang Shih-hua], L.M Kovba, V.I Spitsyn. Zhur.strukt.khim. 4 no.5:714-718 S-O '63.

X-ray studying of some natural muscovite. N.I Organova. Kent.min.syr. no.2:11-15 '62.

X-ray studying of the bone phosphate of fossil fishes in the Soviet Union. G.A. Sidorenko, N.I. Chernova. Kent.min.syr. no.2:81-87 '62.

X-RAY SPECTROSCOPY

Investigating the dendritic liquation of silicon in spring steel with the help of an electronic probe. IA.N. Matinochka, S.B. Maslenkov, T.V. Egorshina. Stal' 23 no.10:937-939 O '63.

Use of X-ray spectrum analysis in studying the valent state of manganese atoms in certain compound oxide semiconductors. E.D. Vainshtein and others. Fiz. tver.tela 5 no.10:2935-2939 O '63.

X RAYS—EQUIPMENT AND SUPPLIES

"Film defects in X-ray practice" [in German] by E.A Zimmer. G.A. Zedgenidze, IU.G. Klashov. Med.rad. 8 no.2:78-79 F '63.

Simple measurer of the X-ray powder patterns. D.K. Vnukl'ev, V.I. Boldakov. Kent.min.syr. no.2:115-117 '62.

X RAYS—INDUSTRIAL APPLICATIONS

X-ray investigations of rock samples at high pressures and temperatures. M.P. Volarovich, A.T. Bondarenko, K.F. Gusev. Trudy Inst.fiz.Zem. no.23:55-59 '62.

X-ray study of montmorillonite containing substitution cations. N.V. Gudovich, L.G. Kukovskii, A.B Ostrovskaia. Kent.min.syr. no.2:36-40 '62.

X-ray study of some aluminum silicate and sulfide minerals of the Norilsk deposit. E.N. Eliseev, I.V. Kavich, M.G. Mitenchuk. Kent.min.syr. no.2:23-35 '62.

X RAYS—PHYSIOLOGICAL EFFECT

Cytological analysis of changes in the epithelium of the mucous membrane of the small intestine of mice induced by total X-ray irradiation. I.B. Smirnova, I.M. Shapiro. Radiobiologiia 2 no.6:897-902 '62.

Determination of the integral absorbed dose in animals irradiated with X rays. V.V. Kholin, V.P Lukianov, A.M. Burkova. Radiobiologiia 2 no.6:917-919 '62.

Effect of adrenal gland hormones on the radiosensitivity of the chromosomal apparatus in the epithelial cells of the cornea of mice. IU.IA. Korkis, V.V. Logvinova. Dokl.AN SSSR 152 no.4:992-994 O '63.

Effect of X rays and high temperature on the crossing-over process [with summary in English]. I.A. Zakharov, S.G. Inge-Vechtomov. Trudy MOIP, Otd.biol. 7:104-107 '63.

Electrocardiographic analysis of the reactivity of the heart to adrenaline in dogs after acute radiation sickness caused by total X-ray irradiation. V.I. Korchemkin, N.V. Raeva. Radiobiologiia 2 no.6:883-890 '62.

Radiation injury of the mechanism of ovulation in frogs. L.A. Kashchenko. Radiobiologiia 2 no.6:868-872 '62.

Reaction of the adrenal glands in hypophysectomized rats to unilateral adrenalectomy, administration of adrenaline and irradiation. E.R. Begramian. Arkh.pat. no.2:59-65 '63.

Reparative processes after X-ray irradiation in antenatal period of development. N.A. Kaltenina. Radiobiologiia 2 no.6:891-896 '62.

Study of the aftereffect of X rays on the primary nondisjunction of X chromosomes [with summary in English]. M.M. Tikhomirova. Trudy MOIP, Otd.biol. 7:198-202 '63.

Study of the successive effect of X rays and temperature on the frequency of mutations and roentgenomorphoses [with summary in English]. K.V. Vatti. Trudy MOIP, Otd.biol. 7:189-193 '63.

X RAYS—SCATTERING

Analytic representation of X-ray atomic scattering factors in the form of a polynomial. F.A. Biusentsev. Kristallografiia 8 no.3:338-345 My-Je '63.

Correction for the divergence in small-angle X-ray scattering. IA.S. Umanskii, N.V. Chirikov. Fiz.met.i metalloved. 16 no.3:480-481 S '63

Determination of the radial distribution function of molecular-electron density in multimolecular fluids [with summary in English]. M.I. Hulivets' Ukr.fiz.zhur. 8 no.8:907-912 Ag '63.

Diffusion scattering of X rays and the fine crystal structure of iron-aluminum alloys. E.N. Vlasova. Fiz.met. i metalloved. 16 no.3:355-360 S '63.

Diffusion scattering of X rays, and the real structure of an iron-silicon solid solution. E.N. Vlasova. Fiz.met. i metalloved. 16 no.3:482-483 S '63.

Microstresses and fields of coherent scattering in martensite crystals. G.V. Kurdiumov, E.G. Nesterenko. Fiz.met.i metalloved. 12 no.6:883-890 D '61.

X RAYS—THERAPEUTIC USE

Experimental study of the combined action of antineoplastic antibiotics and X-ray irradiation in leukemias. I.I Zaretskii and others. Med.rad. 8 no.2:51-57 F '63

XANTHOPHYLLS

Photochemical reaction of the transformation of xanthophylls in a reconstructed system. Report No.2. D. Tolubekov. Bot.zhur. 48 no.9:1303-1331 S '63.

XYLENE

Kinetics of p-xylene catalyzed oxidation in the liquid phase. K.A. Cherviakii, L.P. Zherebtsova, L.S Korotun. Ukr.khim.zhur. 29 no.8:842-847 '63.

Redistribution of methyl groups in the interaction of naphthalene with p-xylene and mesitylene on aluminosilicates. B.G Gavrilov, L.P Stepina. Neftekhimiia 3 no.4:511-514 Jl-Ag '63

XYLENE—SPECTRA

Synthesis and ultraviolet absorption spectra of decylxylenes, decylmesitylene, and cyclopentylidecyl-p-xylene. N.A. Shimanko, L.S Pokrovskaia, V.I Sidorenko. Neftekhimiia 1 no.3:297-304 My-Je '61

XYLITOL

Microdetermination of methoxy groups in certain polyfunctional derivatives of xylitol and sorbitol [with summary in English]. V.I Lebedeva, L.S Pisarenko. Zhur.anal.khim. 18 no.7:892-891 Jl '63

YACHTS AND YACHTING

First yacht club. Sov.voin 45 no.21:47 N '63.

YAKUTIA—ALLANITE

Accessory orthites in southern Yakutia. V.A Khvostova, A.V. Bykova. Trudy IMGRI no.7:130-137 '61.

YAKUTIA—APPELLATE COURTS

Real source of some shortcomings in the work of the Presidium of the Supreme Court of the Yakut A.S.S.R. V. Savvinov. Sov.yust. no.19:24 O '63.

YAKUTIA—COURTS

Some shortcoming in the examination of civil law cases by the courts of the Yakut A.S.S.R. N.Obokin. Sov.yust. no.19:22-23 O '63.

YAKUTIA—DESCRIPTION AND TRAVEL

Vagner, N.P. [Blue lands, travel sketches, meditations, stories] Golubye zemli, puteviye zarisovki, razdumiia, rasskazy. Moskva, Goslitizdat, 1963. 477 p.

YAKUTIA—DIAMONDS

Practice of using highly accurate gravity prospecting to study primary diamond deposits under conditions of trappean formations. N.N Romanov, I.A. Romanova. Razved.i prom.geofiz. no.42:55-61 '61.

YAKUTIA—LIBRARIES

In a region of incalculable wealth. Z. Tiunguriadov. Bibliotekar' no.9:48-49 S '63.

YAKUTIA—MUSKRATS

Davydov, M.M. [Catching muskrats with creels] Otlov ondatry mordami (vershami) Moskva, Izd-vo TSentrosoiuza, 1963. 53 p.

YAKUTSK—IONOSPHERIC RESEARCH

Akademiia nauk SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. [Yakutsk] [Akutsk, Moskva, Its. Materialy ionosfernykh issledovanii]

Sept. - Dec. 1958. [1960. 87 p.

YANGIARYK DISTRICT—AGRICULTURAL ADMINISTRATION

Along the right path. V. Frolov, A. Agishev. Part. zhizn' [Uzb.] 6 no.2:73-78 F '63.

YARN

Manufacture of high-bulk loop yarns. V.D. Golovnia. Izv.vys.ucheb.zav.;tekh.tekst.prom. no.4:22-28 '63.

YARN—ELASTIC PROPERTIES

Studying the elastic properties of textiles under the conditions of short-time deformations. V.A. Gordeev, N.A. Kulikova. Izv.vys.ucheb.zav.,tekh.tekst.prom. no.4:8-11 '63.

722-705 O - 64 - 24

YARN—TESTING

Forces acting upon yarn fibers during breakage. T. M. Glushenova, N. I. Tunevtsev. Izv. vys. ucheb. zav., tekh. tekst. prom. no. 4:117-21 '63.

YAROSLAVL—AERIAL SPORTS

Warmth of young hearts. N. Balakin. Kryl. rod. 14 no. 10 22-24 O '63.

YAROSLAVL—AUTOMOBILES—MODELS

Mass participation is our principal objective. S. Pilanov. Za rul. 21 no. 6 26 Je '63.

YAROSLAVL—ELECTRIC MACHINERY INDUSTRY—HYGIENIC ASPECTS

This is within the reach of everybody. IA. Dreerman. Okhr. truda i sots. strakh. 6 no. 10 18-19 O '63.

YAROSLAVL—PAINT INDUSTRY

One hundred and twenty-fifth anniversary of the "Pobeda rabochikh" Paint Factory in Yaroslavl. L. M. Koposov Lakokras. mat. i ikh prim. no. 5:1 '63.

YAROSLAVL PROVINCE—FIRE PREVENTION—SOCIETIES, ETC.

Veterans. P. Babchuk. Pozh. delo 7 no. 7:13 Jl '61.

YAROSLAVL PROVINCE—PETROLEUM—REFINING

Work of D. I. Mendeleev in the Konstantinovskiy Petroleum Refinery. V. E. Parkhomenko. Izv. vys. ucheb. zav., i nefti i gaz 5 no. 1:117-120 '62.

YAROSLAVL PROVINCE—SALES MANAGEMENT

The instructor's routine. V. Letavin. Sov. potreb. koop. 7 no. 11:21-23 N '63.

YARTSEVO (SMOLENSK PROVINCE)—COTTON MANUFACTURE

In the same ranks. T. Kovaleva. Okhr. truda i sots. strakh. 6 no. 11 10 N '63.

YAZDI, FARRUKHI

Literary characteristics of Farrukhi Yazdi's poetry [in Azerbaijani with summary in Russian]. A. G. Gadzhiev Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 4:81-93 '63.

YEAST

Effect of the conditions of cultivation after radiation on the effectiveness of gamma irradiation of diploid and haploid yeast. V. I. Korogodin, E. M. Karabaev. Radiobiologiia 2 no. 6:824-830 '62.

Eliminate the shortcomings in the organization of new yeast plants. A. A. Andreev. Gidroliz. i lesokhim. prom. 16 no. 7:3-6 '63.

Experience in the operation of yeast plants using lengthened growing time and the outflow system. V. S. Polada. Khleb. i kond. prom. 7 no. 10:35-38 O '63.

Factor III and selenium; a survey of literature. S. G. Aptekar'. Vop. pit. 22 no. 1:83-86 Ja-F '63.

Improved system for yeast production. S. I. Efimov. Gidroliz. i lesokhim. prom. 14 no. 8:20-21 '61

Improving the flotation method for yeast separation from the still beer. I. A. Bellaevskii, V. A. Tokarev. Gidroliz. i lesokhim. prom. 16 no. 7:11-17 '63.

Manufacture of leaven for kvass making and the methods of its supply to the consumers. I. A. Liubich. Khleb. i kond. prom. 6 no. 1:43-44 Ja '62.

New developments in the design and planning of yeast making sections of bakeries. IA. Kh. Torokor, M. M. Shekhter. Khleb. i kond. prom. 6 no. 1:12-14 Ja '62.

New technology for growing fodder yeasts. G. N. Shatunova. Gidroliz. i lesokhim. prom. 14 no. 8:21-23 '61.

Recovery of yeast soon after irradiation. A. Kh. Tambiev. Radiobiologiia 2 no. 6:831-833 '62

YELIZOVO—LIBRARIES

Let us spare no efforts. Z. Shchukina. Bibliotekar' no. 9:11-16 S '63.

YELIZOVO DISTRICT—LIBRARIES AND READERS

The distinguished role of the librarian. Z. Shchukina. Polit. samoobr. 7 no. 7:35 Jl '63

YENAKIYEVO—COKE INDUSTRY

Studying the anticorrosive and antiscale properties of phenol waters of the Yenakiyevo Coke and Coal Chemicals Plant. N. G. Chen, B. I. Gol'dshtein, M. A. Ionina. Koks i khim. no. 10 46-49 '63.

YENISEY RIVER—HYDROELECTRIC POWER STATIONS

Korobchenko, A. A. [Krasnoyarsk Sea; a popular sketch] Krasnoiarskoe more, populiarnyi ocherk. [Krasnoiarsk] Krasnoiarskoe knizhnoe izd-vo, 1961. 40 p. (MaU)

YENISEY VALLEY—INDUSTRIES, LOCATION OF

Distribution of new enterprises in the South-Yenisey industrial district. G. K. Fridovskii. Izv. SO AN SSSR no. 1. Ser. obshchestv. nauk no. 1:55-59 '63.

YENISEY VALLEY—LANDFORMS—MAPS

Practice in plotting a landform map of the Siberian portion of the Yenisey Valley. A. A. Shilapnikov. Sib. geog. sbor. no. 2 28-39 '63.

YEREVAN see Erivan

YOSHKAR-OLA—GLIDING AND SOARING

Gratifying results. G. Murav'ev. Kryl. rod. 14 no. 10: 26-27 O '63.

YOUNG COMMUNIST LEAGUE see Communist Youth League

YOUTH

Alcoholism in young people [with summary in English]. IU. E. Rakhal'skii. Trudy Gos. nauch.-issl. inst. psikh. 38 57-62 '63

Striding into tomorrow. V. Veitsman. Bibliotekar' no. 9:30-33 S '63.

That they may grow up worthy of a great era. O. Nevskaia. Bibliotekar' no. 10 34-36 O '63.

Young Friends of Border Guards. IUn. nat. no. 2:2 F '63.

YOUTH—BIBLIOGRAPHY see Bibliography—Youth

YOUTH—CONGRESSES

The Second Moscow Festival. Kh. Il'gikyi. Ukraina no. 13 9-10 Je '61.

YOUTH—EMPLOYMENT

Diurnal rhythm of the pulse frequency, level of arterial pressure, and body temperature in juvenile workers. E. S. Rutenburg. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 37-40 '59.

Interrelation between physical education and workload for juvenile workers. G. Ghivitskii. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no. 2 44-45 '59

[Open heart] Raspakhnutoe serdtse. Moskva, Izd-vo "Pravda," 1963. 79 p. (Biblioteka "Komsomol'skoi pravdy, no. 8)

Youth and labor. R. Chekiryzhova. Mol. komm. no. 10: 60-64 O '63.

YOUTH—SOCIETIES, ETC.

The imperialists covet youth. V. Shevchenko. Mol. komm. no. 10:111-117 O '63.

YTTRIUM—ANALYSIS

Extraction-photometric determination of yttrium and lanthanum with alizarin S. L. S. Serdiuk, U. F. Silich, [illegible]ia. Trudy Kom. anal. khim. 14 271-278

with alizarin S and ammonia. L. S. [illegible]ch. Ukr. khim. zhur. 29 no. 8:848-

UM ALLOYS

d compounds of the type ABe 13. G. F. Tikhinskii. Kristallografiia y-Je '63.

S

yttrium-iron garnet crystals. S. Sh. lografiia 8 no. 3:431-436 My-Je

ion under Sukhum region

mmunism. B. Leont'ev. Kul't. i -24 '63.

OGRAPHY

ugoslavia] Nov. lit. po IUg. no. 9

ATION

m of education in Yugoslavia. , no. 10:105-108 O '63.

YUGOSLAVIA—FOREIGN RELATIONS—LATIN AMERICA

President Tito in America. V. B. Nov. vrem. 31 no. 43:14-15 O '63.

YUGOSLAVIA—FOREIGN RELATIONS—UNITED STATES

President Tito in America. V. B. Nov. vrem. 31 no. 43:14-15 O '63.

YUGOSLAVIA—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Friendship strengthened by blood. A. Golikov. O. [illegible] 41 no. 36:6-7 S '63.

YUNNAN PROVINCE—BAMBOO

Bamboo forests in South China, Yunnan Province. N. T. Kabanov. Soob. Lab. lesoved. AN SSSR no. 6 [illegible] '62.

YUNNAN PROVINCE—FOREST LITTER

Dynamics of the decomposition of litter and [illegible] changes in its ash composition in two types [illegible] biogeocoenosis. S. V. Zonn, Li Chen-kuei [Li Shen-K'uei]. Soob. Lab. lesoved. AN SSSR no. 6 114 [illegible] '62.

ZABILA, NATALIA, 1903-

Natalia Zabila; on her 60th birthday. P. IA. [illegible] Ukr. mova i lit. v shkoli 13 no. 1:92-93 Ja '63.

ZAGLADA, NADEZHDA GRIGOR'EVNA, 1893

A "field teacher." Kost' Kizub. Ukraina [illegible] Ja '61.

ZAGREB—EXHIBITIONS

Beautiful, fine, and flawless. Mykola An[illegible] Ukraina no. 21,5 N '61.

ZAKIR, KASYM BEK, 1784-1857

Synonyms in the language of Kasym Bek Zakir'ev [in Azerbaijani with summary in Russian]. A. P. Alizade. Trudy inst. lit. i iaz. AN Azerb. SSR [illegible] '63.

ZAPOROZH'YE—AUXILIARY POLICE

Workers of the Zaporozh'ye Electric Transformer Plant strictly maintain law and order. D. [illegible] Rad. pravo no. 4:28-29 Jl-Ag '63.

ZAPOROZH'YE—ELECTRICITY IN AGRICULTURE

Moscow. Vsesoluznyi nauchno-issledovatel'skii [illegible] elektrifikatsii sel'skogo khoziaistva. [Zaporozh'ye Branch of the All-Union Scientific Research Institute of Agricultural Electrification] Zaporozhskii filial VIESKH, kratkaia spravka. Zaporozh'e, [illegible] 1961. 15 p. [MICROFILM]

ZAPOROZH'YE—OPEN-HEARTH PROCESS

Experience of the "Zaporozhstal'" plant in making [illegible] the potentials of open-hearth furnace plants. V. F. Bragin, G. K. Pometun. Met. i gornorud. pr[illegible] 20-22 Jl-Ag '63.

ZAPOROZH'YE—SANATORIUMS

A "palace" on Khortitsa Island. I. Zaslavskyi [illegible] no. 19:10-11 O '62.

ZAPOROZH'YE PROVINCE—STANDARDIZATION

Controlling the observance of new standards in Zaporozh'ye. D. M. Sizov. Standartizatsiia [illegible] Ag '63.

ZAPOROZH'YE PROVINCE—TRADE UNIONS [illegible]

A trade-union group on a farm. V. Mishchenko. [illegible] profsoiuzy 19 no. 17:25-26 S '63.

ZARUDNYI, MYKOLA IAKOVYCH

Friendship with a playwright. IU. Bohdanivs'kyi. Mystetstvo 10 no. 3 32-33 My-Je '63.

ZASLAVSKII, EVGENII OSIPOVICH, 1847-1870

Political ideology of E. O. Zaslavskii. Kh. S. Gr[illegible] Vop. ist. 38 no. 10, 212-215 O '63.

ZEOLITES—CONGRESSES

First All-Union Conference on Zeolites. I. M. R[illegible] berg. Neftekhimiia 1 no. 4:576-577 Jl-Ag '61.

ZERAVSHAN RANGE—LAMPROPHYRES

Age and ore potential of lamprophyres of the G[illegible] Kalyan Mountains. M. S. Kuchukova. Uzb. g[illegible] 7 no. 3:41-48 '63.

ZERAVSHAN VALLEY—PHYSICAL GEOGRAPHY

History of the geographical study of the Zer[illegible] in the prerevolutionary period [with summary in English]. A. Saidov. Vest. LGU 10 no. 18, 158-[illegible] '63.

ZHDANOV—IRON AND STEEL WORKERS

Operation "cold rolling." I. Peshkin. Nov. inzh. 37 no. 1:185-198 Ja '63.

ZHDANOV—ROLLING MILLS

Operation "cold rolling." I. Peshkin. Nov. inzh. 37 no. 1:185-198 Ja '63.

ZHITOMIR—AUTOMOBILE DRIVERS—EDUCATION AND TRAINING
A good reinforcement. O. Vasil'ev. Za rul. 21 no. 6, 7 Je '63

ZHITOMIRSKII, ALEKSANDR ARNOL'DOVICH
Composite photos by A. Zhitomirskii. S Tellingater. Iskusstvo 26 no. 9:36-10 '63.

ZHUKOVSKII, NIKOLAI EGOROVICH, 1847-1921
In the museum of the "Father of Russian Aeronautics." T. Aleksandrova. Kryl. rod. 14 no. 10, 19 O '63.

ZIMOVNIKI DISTRICT—RETAIL TRADE
In a rural store. Sov. Soiuz no. 9:16-19 '63.

ZINC
Adsorption of cadmium and zinc from ammonium iodide solutions on a cation exchanger. IA. D. Fridman, R. K. Drachevskaia, N. V. Dolgashova. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 1, 97-101 '63.

ZINC—ANALYSIS
Determination of ultrasmall zinc impurities in salts of some metals by the use of the dithizone method N. P. D'iachenko, V. T. Chuiko. Trudy Kom. anal. khim. 14 303-304 '63.
Method for determining metallic zinc in zinc oxide prepared in rotating furnaces. D. S. Gorelik, O. A. Kazakova. Lakokras. mat. i ikh prim. no. 5:50-51 '63.
Use of the chromatographic column in the fractional method for determining zinc with dithizone. L. P. Fedotova. Sbor. stud. rab. MTIMMP no. 7:42-44 '62.
Volumetric method for the determination of zinc in zinc dialkyl dithiophosphate. P. T. Makarov, K. E. Pershina. Khim. i tekh. topl. i masel 8 no. 10:62-64 O '63.

ZINC—ELECTROMETALLURGY
Study of the causes of reverse cadmium dissolution during the refining of zinc solutions by cementation. V. A. Shestakova. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 5 no. 1:113-119 '63.

ZINC ACTINOMIDE CRYSTALS—ELECTRIC PROPERTIES
Electric properties of crystalline zinc antimonide alloyed with gallium. M. V. Kot, I. V. Kreinu, P. I. Lebedev. Trudy po fiz. poluprov. no. 1:28-38 '62.

ZINC COMPOUNDS—OPTICAL PROPERTIES
Correction to the article "Optical properties of thin films of cadmium and zinc selenides and zinc telluride beyond the long-wave absorption boundary." M. V. Kot, V. G. Tyrzin. Trudy po fiz. poluprov. no. 1:146-147 '62.

ZINC ELECTRODES see Electrodes, Zinc

ZINC INDUSTRY—EQUIPMENT AND SUPPLIES
Defects of muffle furnaces for the production of zinc oxide and methods for their elimination. N. A. Kozulin. Lakokras. mat. i ikh prim. no. 4:55-56 '62.

ZINC INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Ust'-Kamenogorsk

ZINC ORES see subdivision under Argun Valley (Transbaikalia), Blagodatsk region, Klichka region, Nerchinsky Zavod region; Shilka Valley; Transbaikalia

ZINC ORGANIC COMPOUNDS
Oxidation of diphenylzinc and diphenylmagnesium. G. A. Razuvaev and others. Zhur. ob. khim. 34 no. 10 3358-3360 O '63.

ZINC OXIDE
Influence of the conditions of zinc oxide preparation with indium and gallium additions and without them on the catalytic properties in the reaction of homomolecular exchange with oxygen isotopes. V. I. Gorgoraki, L. A. Kasatkina. Kin. i kat. 4 no. 4 620-624 Jl-Ag '63.
Method for determining metallic zinc in zinc oxide prepared in rotating furnaces. D. S. Gorelik, O. A. Kazakova. Lakokras. mat. i ikh prim. no. 5:50-51 '63.

ZINC OXIDE—STORAGE
Effect of the storage conditions of zinc oxide on its chemical composition. V. A. Malevannyi, V. IA. Pershinkova. Lakokras. mat. i ikh prim. no. 4:60-69 '62

ZINC PHOSPHATES
Volumetric method for the determination of zinc in zinc dialkyl dithiophosphate. P. T. Makarov, K. E. Pershina. Khim. i tekh. topl. i masel 8 no. 10:62-64 O '63

ZINC PLATING
Bright zinc plating from an acid bath. B. A. Grin, V. S. Kuzub. Zhur. prikl. khim. 36 no. 8:1782-1784 Ag '63.
Change of internal stresses in zinc deposits after electrocrystallization. M. IA. Popereka. Zhur. prikl. khim. 36 no. 8:1748-1756 Ag '63.

ZINC SELENIDE
Electric, optical, and photoelectric properties of thin films of the system ZnSe - CdSe. M. V. Kot, A. V. Simashkevich, V. G. Tyrzin. Trudy po fiz. poluprov. no. 1:110-120 '62.

ZINC SULFATE—PHYSIOLOGICAL EFFECT
Increasing the apomorphine effect with zinc or copper sulfates in the treatment of chronic alcoholism [with summary in French] A. V. Zavialov. Zhur. nevr. i psikh. 63 no. 2:264-267 '63

ZINC SULFIDE CRYSTALS
Crystalline structure of zinc sulfide films. K. V. Shalimova, N. K. Morozova, V. S. Soldatov. Kristallografiia 8 no. 3:461-462 My-Je '63.

ZINC SULFIDE CRYSTALS—SPECTRA
Zinc sulfide single crystals activated with samarium. K. K. Dubenskii, B. I. Maksakov, T. K. Razumova. Opt. i spektr. 15 no. 4:555-556 O '63.

ZINC TELLURIDES
Electric, optical, and photoelectric properties of thin films of the system ZnTe - CdTe. M. V. Kot and others. Trudy po fiz. poluprov. no. 1:121-130 '62.

ZIRCON
Some characteristics of accessory zircon in granitoids V. V. Liakhovich Trudy IMGRI no 15 146-151 '63.
White zircon applications in the metallurgical industry. I. M. Klochov. Met. i gornorud. prom. no. 5 34-36 S-O '63.

ZIRCONIUM see subdivision under Lovozero Tundras

ZIRCONIUM—ANALYSIS
Determination of zirconium and hafnium present together based on their catalytic action [with summary in English]. K. B. IAtsimirskii, L. P. Ratzmann. Zhur. anal. khim. 18 no. 7:829-833 Jl '63.

ZIRCONIUM COMPOUNDS
Study of zirconium and hafnium complex formation with β-dikotones by the partition method. V. M. Peshkova, N. V. Mel'chakova, Pen An. Trudy Kom. anal. khim. 14:172-182 '63.

ZIRCONIUM ISOTOPES
Two-neutron transfer reaction in the bombardment of $Zr^{90,92,94}$ isotopes by N^{15} ions [with summary in English]. V. V. Volkov and others. Zhur. eksp. i teor. fiz. 45 no. 1 897-903 O '63.

ZIRCONIUM OXIDES
Study of the stabilization and destabilization processes of the cubic modification ZrO_2. I. I Vishnevskii, A. M. Gavrish, B. IA. Sukharevskii. Rent. min. syr. no. 2:5-10 '62.

ZIRCONYL PHOSPHATES
Ion exchange and the electrochemical properties of zirconyl phosphates. B. P. Nikol'skii, E. A. Materova, P. A. Skabichevskii. Dokl. AN SSSR 152 no. 6 1360-1362 O '63.

ZIRKELITE see subdivision under Lovozero Tundras,

ZODIACAL LIGHT
Table for the reduction of photometric observations of zodiacal light for the effect of tropospheric scattering [with summary in English]. V. G. Fesenkov. Astron. zhur. 40 no. 5:882-888 S-O '63.

ZOL'NIKOV, VALERII
Machinegunner. I. Noskov. Voen. znan. 39 no. 10, 7 O '63.

ZOLOTONOSHA DISTRICT—OFFENSES AGAINST SOCIALIST PROPERTY
The pilferers of socialist property received their just deserts. D. Skyba, S. Sehal. Rad. pravo no. 4 51-54 Jl-Ag '63.

ZONE MELTING
Electric slag refining of stainless, heat-resistant steel. G. A. Khasin and others. Stal' 23 no. 10, 908-910 O '63.
Heat processes during the solidification of ingots following electric slag refining. V. V. Panin, E. I Molchanov, F. R. Plotkin. Izv. vys. ucheb. zav., chern. met. 6 no. 9:83-87 '63.
Obtaining ultrapure InSb crystals by the zone melting method. K. I. Vinogradova, V. V. Galavanov, D. N. Nasledov. Fiz. met. i metalloved. 16 no. 3 385-393 S '63.

ZOOGEOGRAPHY see subdivision under Bering Sea region; Saratov region

ZOOGEOGRAPHY—MAPS
Conference on the problems of zoological mapping. A. G. Voronov. Vest. Mosk. un. Ser. 5: Geog. 18 no. 6: 91-95 N-D '63

ZOOLOGY—CLASSIFICATION
Quantitative evaluation of similarity. A. A. Liubishchev. Prin. mat. metod. v biol. no. 2:152-160 '63.

ZOOPLANKTON see subdivision under Baikal, Lake; Katurka Valley (Ukraine); Tatar Strait

ZVENIGOROD REGION—GUIDEBOOKS
[Zvenigorod. Tourist base; tourist marches and excursion routes] Zvenigorod. Turbaza; marshruty turisticheskikh pokhodov i ekskursii. [Moskva, Profizdat, 1963] 23 p.

ZVONKOV, VASILII VASIL'EVICH, 1890-
Scientist who is one of
Kult. i zhizn. 7 no.

IN THIS ISSUE:
LIST OF PERIODICALS ARRANGED BY SUBJECT

Monthly Index *of* Russian Accessions

Volume 16, No. 12 March 1964

THE LIBRARY OF CONGRESS
WASHINGTON : 1964

INTRODUCTORY NOTE

The MONTHLY INDEX OF RUSSIAN ACCESSIONS* is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Whenever possible, publications printed in other languages spoken in the Soviet Union are also included.

The MONTHLY INDEX consists of three parts. Part A lists monographic literature, but no accessions published earlier than 1954 are included. To facilitate the use of this INDEX by readers who are not thoroughly familiar with the Russian language, the title in the original language in Part A is preceded by its English translation in brackets.

Part B lists Russian periodicals received, but excludes accessions printed earlier than 1954. Certain Soviet periodicals are being translated into English from cover to cover and published regularly in translation in the United States and other English-speaking countries. A list of such translated periodicals, their publishers, subscription prices, etc., is given at the end of each issue of the *Monthly Index*. In Part B such periodicals are indicated by an asterisk before the periodical title.

Part C provides subject analysis of the monographic titles listed in Part A and of the articles appearing in the periodicals enumerated in the *List of Periodicals Indexed and Abbreviations Used* at the beginning of Part C. The number and letter in parentheses following each abbreviation indicate the class and subclass in which the periodical appears in Part B. For the convenience of readers desiring to examine only monographs or periodical articles, the monographs are printed in slightly heavier type than the periodical articles. The titles of monographs are given both in the original language and in English translation, whereas titles of periodical articles are given in English translation only.

Sample title: Some data on lung-to-heart reflexes in amphibians. A. E. Alekseev. Biul. eksp. biol. i med. 54 no. 12: 18–22 D '62.

Explanation: An article with title given above in English translation, written by A. E. Alekseev, will be found in the December 1962 issue of *Biulleten' eksperimental'noi biologii i meditsiny*, vol. 54, no. 12, pages 18–22.

A cumulative list of periodicals included in the current volume appears in number 12 of that volume. This list is arranged by subject; the symbols of American libraries other than the Library of Congress, known to have files of such periodicals, follow each title.

Except in Part C, the material is divided into 17 subject classes and is arranged alphabetically within each class. In addition, for the convenience of the reader, the serials listed in Part B are divided within each subject class into several subclasses. All entries are transliterated according to the usual Library of Congress system except that ligatures are omitted. Unless otherwise indicated, all listed items are represented in the collections of the Library of Congress. Symbols representing other libraries indicate when items are available in those libraries. Curves ( ) around a symbol indicate that at the time of receipt the material was available in another library but not in the Library of Congress.

or, subject, and periodical location indexes to the first four volumes of the are available as separate publications. Beginning with Volume 5, an author hs, and a periodical location index for the entire volume are furnished as wo issues of the following volume.

Orders for microfilm or photostat copies of the listed items that are in the collections of the Library of Congress may be placed with the Photoduplication Service, Library of Congress, Washington, D. C. 20540

The MONTHLY INDEX OF RUSSIAN ACCESSIONS is for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402

Price of single copies varies; subscription price, $12.00 a year domestic, $16.00 a year foreign. Price of Cumulative Index to Volumes 1–3, $1.50; to Volume 4, $0.60.

L. C. card, 48–46562

*Volumes 1–10 (No. 9), 1948–1957, issued under title *Monthly List of Russian Accessions.*

SYMBOLS OF LIBRARIES REPORTING RECEIPT OF PUBLICATIONS

AAP	Auburn University, Auburn, Ala.
AMAU	Air University Library, Maxwell Air Force Base, Montgomery, Ala.
AU	University of Alabama, University
AzTeS	Arizona State College, Tempe
AzU	University of Arizona, Tucson
C	California State Library, Sacramento
CCC	Honnold Library, Claremont, Calif.
CFS	Fresno State College, Fresno, Calif.
CL	Los Angeles Public Library
CLCM	Los Angeles County Museum Library, Los Angeles
CLL	Los Angeles County Law Library, Los Angeles
CLM	Los Angeles County Medical Association, Los Angeles
CLSU	University of Southern California, Los Angeles
CLU	University of California at Los Angeles
CMthL	University of California, Lick Observatory, Mount Hamilton
CPT	California Institute of Technology, Pasadena
CSf	San Francisco Public Library
CSfA	California Academy of Sciences, San Francisco
CSfU	University of San Francisco, San Francisco
CSmH	Henry E. Huntington Library, San Marino, Calif.
CSt	Stanford University Libraries, Stanford, Calif.
CSt–H	— The Hoover Institution on War, Revolution, and Peace
CSt–L	— Lane Medical Library
CStbS	University of California, Santa Barbara Library, Goleta
CStmoR	Rand Corporation, Santa Monica, Calif.
CU	University of California, Berkeley
CU–A	— University of California, Davis
CU–B	— Bancroft Library, Berkeley
CU–E	— East Asiatic Library, Berkeley
CU–M	— Medical Center, San Francisco
CU–Riv	— College of Arts, Letters and Science, Riverside
CU–S	— Scripps Institution of Oceanography, La Jolla
CaAEU	University of Alberta, Edmonton, Canada
CaBVa	Vancouver Public Library, Vancouver, Canada
CaBVaU	University of British Columbia, Vancouver, Canada
CaBViPA	Provincial Archives, Victoria, Canada
CaMWM	Medical Library of the University of Manitoba, Winnipeg, Canada
CaNBFU	University of New Brunswick, Fredericton, Canada
CaOKQ	Queen's University, Kingston, Canada
CaOL	London Public Library, London, Canada
CaOOA	Public Archives Library, Ottawa, Canada
CaOOAg	Department of Agriculture, Main Library, Ottawa, Canada
CaOLU	University of Western Ontario, London, Canada
CaOOCC	Carleton College, Ottawa, Canada
CaOOF	Department of Finance Library, Ottawa
CaOOG	Geological Survey of Canada, Ottawa, Canada
CaOOGB	Geographical Branch, Department of Mines and Technical Surveys, Ottawa, Canada
CaOOH	Laboratory of Hygiene, Ottawa, Canada
CaOOM	Bureau of Mines Library, Ottawa
CaOON	National Research Council, Ottawa, Canada
CaOONM	National Museum, Ottawa, Canada
CaOOS	Dominion Bureau of Statistics, Ottawa, Canada
CaOOU	University of Ottawa, Ottawa, Canada
CaOTM	Library, Meteorological Branch, Air Services, Dept. of Transport, Toronto, Canada
CaOTR	Royal Canadian Institute, Toronto. (Collection included with CaOTU)
CaOTU	University of Toronto, Toronto, Canada
CaQMAI	Arctic Institute of North America, Montreal, Canada
CaQMBM	Bibliothèque de la Ville de Montréal, Collection Gagnon, Montreal
CaQMM	McGill University, Montreal, Canada
CaQMU	La Bibliothèque de l'Université de Montréal, Montreal
CaSSU	University of Saskatchewan, Saskatoon, Canada
CoBBS	U. S. National Bureau of Standards, Boulder Laboratories, Colorado
CoD	Denver Public Library
CoDM	Medical Society of the City and County of Denver
CoFS	Colorado State University, Fort Collins
CoU	University of Colorado, Boulder
CtHT	Trinity College, Hartford, Conn.
CtU	University of Connecticut, Storrs
CtW	Wesleyan University, Middletown, Conn.
CtY	Yale University, New Haven
CtY–L	— Law Library
CtY–M	— Medical School Library
DAIA	American Institute of Architects Library, Washington, D. C.
DAL	U. S. Army Library, Pentagon Building
DBC	U. S. Bureau of the Census Library
DBS	U. S. National Bureau of Standards Library
DC	U. S. Department of Commerce Library
DCU	Catholic University of America Library, Washington, D. C.
DDC	Dominican House of Studies, Immaculate Conception Convent Library, Washington, D. C.
DDO	Dumbarton Oaks Research Library of Harvard University, Washington, D. C.
DFR	Board of Governors of the Federal Reserve System
DI	U. S. Department of the Interior Library
DI–GS	— Geological Survey Library
DM	U. S. Bureau of Mines Library. (Library integrated with DI)
DN	U. S. Department of the Navy Library
DN–HO	— Naval Oceanographic Office Library
DN–Ob	— Naval Observatory Library
DN–RL	Naval Research Laboratory Library, Anacostia Station, Washington, D. C.
DNAL	National Agricultural Library
DNIH	National Institutes of Health Library, Bethesda, Md.
DNLM	U. S. National Library of Medicine
DNW	U. S. National War College Library, Fort McNair
DP	U. S. Patent Office Library
DS	U. S. Department of State Library
DSC	Scottish Rite Supreme Council Library
DSI	Smithsonian Institution Library, Washington, D. C.
DSI–AO	— Astrophysical Laboratory Library
DSI–E	— Bureau of American Ethnology Library
DSI–M	— National Museum Library
DWB	U. S. Weather Bureau Library
DeU	*University of Delaware, Newark*
FMU	University of Miami, Coral Gables, Fla.
FTaSU	Florida State University, Tallahassee
FU	University of Florida, Gainesville
GAT	Georgia Institute of Technology, Atlanta
GEU	Emory University, Atlanta
GU	University of Georgia, Athens
HU	University of Hawaii, Honolulu
I	Illinois State Library, Springfield
IArg	Argonne National Laboratory, Argonne, Ill.
IC	*Chicago Public Library*
ICA	Art Institute of Chicago, Chicago
ICAC	American College of Surgeons Library, Chicago
ICF	Chicago Natural History Museum, Chicago
ICJ	John Crerar Library, Chicago
ICMILC	Midwest Inter-Library Center, Chicago
ICN	Newberry Library, Chicago
ICU	University of Chicago, Chicago

ICU–Y	Yerkes Observatory, Williams Bay, Wis.
ICarbS	Southern Illinois University, Carbondale
IEN	Northwestern University, Evanston, Ill.
IEN–M	— Medical School Library, Chicago
IHi	Illinois State Historical Library, Springfield
IU	University of Illinois, Urbana
IaAS	Iowa State University of Science and Technology, Ames
IaU	State University of Iowa, Iowa City
IaU–L	—College of Law Library
IdNTS	National Reactor Testing Station, Technical Library, Phillips Petroleum Company, Idaho Falls, Idaho
IdU	University of Idaho, Moscow
In	Indiana State Library, Indianapolis
InIA	Indiana Academy of Science Library, Indianapolis
InLP	Purdue University, Lafayette, Ind.
InNd	University of Notre Dame, Notre Dame, Ind.
InU	Indiana University, Bloomington
KAS	St. Benedict's College, Atchison, Kan.
KMK	Kansas State University, Manhattan
KU	University of Kansas, Lawrence
KU–L	— School of Law Library
KU–M	— Medical Center Library, Kansas City
KyU	University of Kentucky, Lexington
LNHT	Howard-Tilton Memorial Library of Tulane University, New Orleans, La.
LU	Louisiana State University, Baton Rouge
MA	Amherst College, Amherst, Mass.
MB	Boston Public Library
MBA	American Academy of the Arts and Sciences, Boston
MBAt	Boston Athenaeum, Boston
MBM	Boston Medical Library, Boston
MBN	Boston Society of Natural History, Boston
MBU	Boston University
MBdAF	U. S. Air Force Cambridge Research Center, Bedford, Mass.
MCM	Massachusetts Institute of Technology, Cambridge, Mass.
MH	Harvard University, Cambridge, Mass.
MH–A	— Arnold Arboretum, Jamaica Plain
MH–AH	— Andover-Harvard Theological Seminary Library
MH–BH	— Blue Hill Meteorological Observatory, Milton, Mass.
MH–BL	— Biological Laboratories Library
MH–C	— Chemistry Library
MH–F	— Farlow Reference Library
MH–FA	— Fogg Art Museum Library
MH–G	— Gary Herbarium Library
MH–GM	— Gordon McKay Library
MH–HY	— Harvard-Yenching Institute (Chinese-Japanese Library)
MH–L	— Law School Library
MH–M	— Schools of Medicine, Public Health and Dental Medicine, Boston
MH–Mi	— Mineralogical Library
MH–O	— Astronomical Observatory, the Phillips Library
MH–P	— Peabody Museum Library
MH–PR	— Physics Research Library
MH–SD	— Graduate School of Design Library
MH–Z	— Museum of Comparative Zoology Library
MMeT	Tufts University, Medford, Mass.
MNS	Smith College, Northampton, Mass.
MShM	Mount Holyoke College, South Hadley, Mass.
MWalB	Brandeis University, Waltham, Mass.
MWelC	Wellesley College, Wellesley, Mass.
MWhB	Marine Biological Laboratory, Woods Hole, Mass.
MdAN	U. S. Naval Academy, Annapolis
MdBJ	Johns Hopkins University, Baltimore
MdBJ–W	—William H. Welch Medical Library
MdBWA	Walters Art Gallery, Baltimore
MdU	University of Maryland, College Park
MeB	Bowdoin College, Brunswick, Maine
MeWC	Colby College, Waterville, Maine
MiD	Detroit Public Library
MiDA	Detroit Institute of Arts
MiDW	Wayne State University, Detroit
MiEM	Michigan State University, East Lansing
MiMidD	Dow Chemical Company, Midland, Mich.
MiU	University of Michigan, Ann Arbor
MiU–C	— William L. Clements Library
MiU–L	— Law Library
MnSJ	James Jerome Hill Reference Library, St. Paul
MnU	University of Minnesota, Minneapolis
MnU–A	— Department of Agriculture Library, St. Paul
MnU–B	— Bio-Medical Library
MnU–L	— Law Library
MoFC	Central College, Fayette, Mo.
MoKL	Linda Hall Library, Kansas City
MoRM	University of Missouri School of Mines and Metallurgy, Rolla
MoS	St. Louis Public Library
MoSB	Missouri Botanical Garden, St. Louis
MoSU	St. Louis University, St. Louis
MoSW	Washington University, St. Louis
MoU	University of Missouri, Columbia
MsSM	Mississippi State University, State College
MsU	University of Mississippi, Oxford
MtBC	Montana State College, Bozeman
MtU	Montana State University, Missoula
N	New York State Library, Albany
NAurW	Wells College, Aurora, New York
NB	Brooklyn Public Library
NBB	Brooklyn Museum Libraries, Brooklyn
NBC	Brooklyn College, Brooklyn
NBG	Brooklyn Botanic Garden, Brooklyn
NBM	Academy of Medicine of Brooklyn Library, Brooklyn
NBSU–M	State University of New York, College of Medicine Downstate Medical Center Library, Brooklyn
NBuB	Buffalo Society of Natural Sciences, Buffalo
NCH	Hamilton College, Clinton, N. Y.
NCorniC	Corning Glass Works Library, Corning, N. Y.
NCsC	Carnegie Institution, Department of Genetics, Cold Spring Harbor, N. Y.
NIC	Cornell University, Ithaca, N. Y.
NIC–A	— State Colleges of Agriculture and Home Economics
NN	New York Public Library
NNA	American Geographical Society, New York
NNBG	New York Botanical Garden, Bronx Park, New York
NNC	Columbia University, New York
NNC–L	— Law Library
NNC–M	— Medical Library
NNC–T	— Teachers College Library
NNCC	Chemists' Club, New York
NNCoCi	College of the City of New York, New York
NNCorM	Cornell University Medical College Library, New York
NNE	Engineering Societies Library, New York
NNF	Fordham University, New York
NNIS	Library for Intercultural Studies, New York
NNJ	Jewish Theological Seminary of America, New York
NNM	American Museum of Natural History, New York
NNMM	Metropolitan Museum of Art Library, New York
NNNAM	New York Academy of Medicine, New York
NNPH–O	Institute of Ophthalmology, Presbyterian Hospital, New York
NNR	Russell Sage Foundation, College of the City of New York
NNRI	Rockefeller Institute for Medical Research, New York
NNU	New York University Libraries, New York

NNU-H	— University Heights Library
NNU-W	— Washington Square Library
NNUN	United Nations Library, New York
NPV	Vassar College, Poughkeepsie, N. Y.
NRE	Eastman Kodak Company, Rochester, N. Y.
NRU	University of Rochester, Rochester, N. Y.
NSyU	Syracuse University, Syracuse, N. Y.
NUpB	U. S. Brookhaven National Laboratory, Upton, N. Y.
NYBT	Boyce Thompson Institute for Plant Research, Yonkers, N. Y.
NbU	University of Nebraska, Lincoln
NcD	Duke University, Durham, N. C.
NcGW	Woman's College of the University of North Carolina, Greensboro
NcRS	North Carolina State College of Agriculture and Engineering, Raleigh
NcU	University of North Carolina, Chapel Hill
NcU-H	—Division of Health Affairs. (North Carolina Memorial Hospital)
NdU	University of North Dakota, Grand Forks
Nh	New Hampshire State Library, Concord
NhD	Dartmouth College, Hanover, N. H.
NjI	Irvington Free Public Library, Irvington, N. J.
NjMuA	Air Reduction Company, inc., Central Research Department Library, Murray Hill
NjMuB	Bell Telephone Laboratories, Murray Hill, N. J.
NjN	Newark Public Library, Newark, N. J.
NjP	Princeton University, Princeton, N. J.
NjPT	Princeton Theological Seminary, Princeton, N. J.
NjR	Rutgers University, New Brunswick, N. J.
NmUpU	New Mexico State University of Agriculture, Engineering and Science, University Park
NvU	University of Nevada, Reno
O	Ohio State Library, Columbus
OCH	Hebrew Union College, Cincinnati
OCLloyd	Lloyd Library and Museum, Cincinnati
OCU	University of Cincinnati, Cincinnati
OCl	Cleveland Public Library
OClBHS	Benedictine High School, Cleveland
OClCS	Case Institute of Technology, Cleveland
OClJC	John Carroll University, Cleveland
OClM	Cleveland Medical Library
OClMA	Cleveland Museum of Art
OClW	Western Reserve University, Cleveland
OCoB	Battelle Memorial Institute, Columbus
ODW	Ohio Wesleyan University, Delaware, Ohio
OHi	Ohio State Historical Society, Columbus
OO	Oberlin College, Oberlin, Ohio
OOxM	Miami University, Oxford, Ohio
OSte	Carnegie Library, Steubenville, Ohio
OU	Ohio State University, Columbus
OUCA	Chemical Abstracts, Ohio State University, Columbus
OkS	Oklahoma State University, Stillwater
OkU	University of Oklahoma, Norman
OrCS	Oregon State University, Corvallis
OrPR	Reed College, Portland, Ore.
OrU	University of Oregon, Eugene
P	Pennsylvania State Library, Harrisburg
PBL	Lehigh University, Bethlehem, Pa.
PBm	Bryn Mawr College, Bryn Mawr, Pa.
PHC	Haverford College, Haverford, Pa.
PLF	Franklin and Marshall College, Lancaster, Pa.
PP	Free Library of Philadelphia
PPAN	Academy of Natural Sciences, Philadelphia
PPAmP	American Philosophical Society, Philadelphia
PPBC	Philadelphia Bibliographical Center and Union Library Catalogue
PPC	College of Physicians of Philadelphia
PPDrop	Dropsie College for Hebrew and Cognate Learning, Philadelphia
PPF	Franklin Institute, Philadelphia
PPPM	Philadelphia Museum of Art
PPT	Temple University, Philadelphia
PPUC	Union Library Catalogue of the Philadelphia Metropolitan Area, Philadelphia
PPWI	Wistar Institute of Anatomy and Biology, Philadelphia
PPiCI	Carnegie Institute of Technology, Pittsburgh
PPiU	University of Pittsburgh, Pittsburgh
PRosC	Rosemont College, Rosemont, Pa.
PSC	Swarthmore College, Swarthmore, Pa.
PSt	Pennsylvania State University, University Park
PU	University of Pennsylvania, Philadelphia
PU-BZ	— Botany-Zoology Library
PU-El	— Moore School of Electrical Engineering Library
PU-FA	— School of Fine Arts Library
PU-Math	— Mathematics-Physics Library
PU-Mu	— University Museum Library
PU-Penn	— Penniman Library of Education
PU-Sc	— Towne Scientific School Library
RPB	Brown University, Providence, R. I.
RU	University of Rhode Island, Kingston
TCU	University of Chattanooga, Chattanooga, Tenn.
TNJ	Joint University Libraries (Vanderbilt University, George Peabody College for Teachers, and Scarritt College), Nashville, Tenn.
TONS	Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn.
TU	University of Tennessee, Knoxville
TxCM	Agricultural and Mechanical College of Texas, College Station
TxDaM	Southern Methodist University, Dallas
TxHR	Rice Institute, Houston
TxLT	Texas Technological College, Lubbock
TxU	University of Texas, Austin
ULA	Utah State University of Agriculture and Applied Science, Logan
UPB	Brigham Young University, Provo, Utah
ViBlbV	Virginia Polytechnic Institute, Blacksburg
ViU	University of Virginia, Charlottesville
ViU-L	— Law Library
ViW	College of William and Mary, Williamsburg
VtMiM	Middlebury College, Middlebury, Vt.
VtU	University of Vermont and State Agricultural College, Burlington
WAP	Institute of Paper Chemistry, Appleton
WHi	State Historical Society of Wisconsin, Madison
WU	University of Wisconsin, Madison
WaU	University of Washington, Seattle
WvU	West Virginia University, Morgantown
WyU	Wyoming University, Laramie

MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

VOLUME 16, NO. 12 MARCH 1964

TABLE OF CONTENTS

Part A—Monographic Works Page

1. General 3609
2. Bibliography 3609
3. Philosophy & Religion 3609
4. History 3610
5. Social Sciences 3612
6. Political Science 3616
7. Law 3617
8. Education 3618
9. Music, Theater & Motion Pictures 3619
10. Fine Arts 3620
11. Language, Literature & Folklore 3620
12. Geography & Geology 3625
13. Science 3626
14. Medicine 3630
15. Agriculture 3631
16. Technology 3632
17. Military & Naval Sciences 3640

Part B—Periodicals

1. General
   - *a.* Scholarly journals 3642
   - *b.* Popular magazines 3643
2. Bibliography
   - *a.* Bibliography 3646
   - *b.* Libraries & library science 3646
   - *c.* Printing & the book trade 3646
3. Philosophy & Religion
   - *a.* Philosophy 3647
   - *b.* Religion 3647
4. History
   - *a.* General 3647
   - *b.* Archaeology & antiquities 3650
5. Social Sciences
   - *a.* Commerce 3650
   - *b.* Economics 3651
   - *c.* Finance .....
   - *d.* Labor 3653
   - *e.* Sociology 3654
6. Political Science 3655
7. Law 3658
8. Education
   - *a.* General 3661
   - *b.* Physical education & games 3662

Page

9. Music, Theater & Motion Pictures
   a. Motion pictures 3663
   b. Music .....
   c. Theater 3663
10. Fine Arts
   a. General 3663
   b. Architecture 3664
11. Language, Literature & Folklore
   a. Language 3664
   b. Literature & folklore 3664
12. Geography & Geology
   a. Ethnology 3666
   b. Geography 3666
   c. Geology & paleontology 3668
13. Science
   a. General 3670
   b. Astronomy 3674
   c. Biology 3675
   d. Chemistry 3677
   e. Mathematics 3679
   f. Physics 3680
14. Medicine
   a. General 3684
   b. Gynecology, obstetrics & pediatrics 3690
   c. Neurology & psychiatry .....
   d. Ophthalmology & otorhinolaryngology .....
   e. Pathology & therapeutics 3690
   f. Pharmacy & materia medica 3692
   g. Public health & nursing 3692
   h. Surgery & dentistry 3693
   i. Venereology & dermatology 3696
15. Agriculture
   a. General 3696
   b. Animal industry 3699
   c. Forestry 3699
   d. Plant culture 3699
16. Technology
   a. General 3699
   b. Aeronautics 3703
   c. Chemical technology 3704
   d. Civil & construction engineering 3707
   e. Electrical engineering .....
   f. Industries & trades .....
   g. Mechanical engineering .....
   h. Mining & metallurgy .....
17. Military & Naval Sciences
   a. Military science .....
   b. Naval science .....

CumulativeList of All Periodicals, in Vol.

Part C—List of Periodicals Indexed and Abbreviati
Subject Index to Monographs and Periodic

Periodicals Available in English Translation Cover-to

MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

VOLUME 16, NO. 12 MARCH 1964

TABLE OF CONTENTS

Part A—Monographic Works Page

1. General 3609
2. Bibliography 3609
3. Philosophy & Religion 3609
4. History 3610
5. Social Sciences 3612
6. Political Science 3616
7. Law 3617
8. Education 3618
9. Music, Theater & Motion Pictures 3619
10. Fine Arts 3620
11. Language, Literature & Folklore 3620
12. Geography & Geology 3625
13. Science 3626
14. Medicine 3630
15. Agriculture 3631
16. Technology 3632
17. Military & Naval Sciences 3640

Part B—Periodicals

1. General
   - *a.* Scholarly journals 3642
   - *b.* Popular magazines 3643
2. Bibliography
   - *a.* Bibliography 3646
   - *b.* Libraries & library science 3646
   - *c.* Printing & the book trade 3646
3. Philosophy & Religion
   - *a.* Philosophy 3647
   - *b.* Religion 3647
4. History
   - *a.* General 3647
   - *b.* Archaeology & antiquities 3650

..... 3650
..... 3651
....
..... 3653
..... 3654
..... 3655
..... 3658

..... 3661
..... 3662

9. Music, Theater & Motion Pictures — Page
a. Motion pictures — 3663
b. Music — ....
c. Theater — 3663
10. Fine Arts
a. General — 3663
b. Architecture — 3664
11. Language, Literature & Folklore
a. Language — 3664
b. Literature & folklore — 3664
12. Geography & Geology
a. Ethnology — 3666
b. Geography — 3666
c. Geology & paleontology — 3668
13. Science
a. General — 3670
b. Astronomy — 3674
c. Biology — 3675
d. Chemistry — 3677
e. Mathematics — 3679
f. Physics — 3680
14. Medicine
a. General — 3684
b. Gynecology, obstetrics & pediatrics — 3690
c. Neurology & psychiatry — .....
d. Ophthalmology & otorhinolaryngology — ....
e. Pathology & therapeutics — 3690
f. Pharmacy & materia medica — 3692
g. Public health & nursing — 3692
h. Surgery & dentistry — 3693
i. Venereology & dermatology — 3696
15. Agriculture
a. General — 3696
b. Animal industry — 3699
c. Forestry — 3699
d. Plant culture — 3699
16. Technology
a. General — 3699
b. Aeronautics — 3703
c. Chemical technology — 3704
d. Civil & construction engineering — 3707
e. Electrical engineering
f. Industries & trades
g. Mechanical engineering
h. Mining & metallurgy
17. Military & Naval Sciences
a. Military science
b. Naval science
CumulativeList of All Periodicals, in Vol. 1

Part C—List of Periodicals Indexed and Abbreviatic
Subject Index to Monographs and Periodic

Periodicals Available in English Translation Cover-to-

1. GENERAL

BOL'SHAIA SOVETSKAIA ENTSIKLOPEDIIA. [The 1963 yearbook of the Great Soviet Encyclopedia] Ezhegodnik, 1963. Red. kollegiia: A. A. Arzumanian i dr. Glav. red. L. S. Shaumian. [Moskva] Gos. nauchn. izd-vo "Sovetskaia Entsiklopediia," [1963] 543 p.

SOIUZ ZHURNALISTOV UZBEKISTANA. [A day of Soviet Uzbekistan] Den' Sovetskogo Uzbekistana, Tashkent, Goslzdat UzSSR, 1963. 270 p.

[SOVIET UKRAINIAN ENCYCLOPEDIA] *Ukraïns'ka Radians'ka Entsiklopediia.* Holovna red. kolegiia: M. P. Bazhan ta inshi Kyiv, Akad. nauk URSR. *Vol. 13. Svitlitskovi - Spodumen. [1963] 663 p.*

2. BIBLIOGRAPHY

AKADEMIIA NAUK SSSR. Institut narodov Azii. [Bibliography of Kurdish studies] Bibliografiia po kurdovedeniiu. Moskva, Izd-vo vostochnoi lit-ry, 1963. 183 p.

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Fundamental'naia biblioteka. [Bibliography of the publications of the Academy of Sciences of the Uzbek S. S. R., books and articles published from 1958 to 1960] Bibliografiia izdanii Akademii nauk Uzbekskoi SSR, knigi i stat'i za 1958-1960 gg. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 360 p.

DOBRUSHIN, V. A., and N. IA. SLUTSKER. [Specialized bookstores; from their work practices] Spetsializirovannyi knizhnyi magazin; iz opyta raboty. Moskva, Iskusstvo, 1963. 130 p.

GERAKLITOV, A. A. [Watermarks of the 17th century *in paper of manuscript and printed documents of Russian origin*] Filigrani XVII veka na bumage rukopisnykh i pechatnykh dokumentov russkogo proiskhozhdeniia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 250 p.

KLENOV, A. V. [Library catalogs, a manual for library workers] Bibliotechnye katalogi, rukovodstvo dlia bibliotechnykh rabotnikov. Moskva, Izd-vo Vses. knizhnoi palaty, 1963. 350 p.

LESNIAK, Z. V., and K. A. BALASHOVA. [Local-lore work in the Kirov District Library] Kraevedcheskaia rabota Kirovskoi raionnoi biblioteki. [Kalinin] Kalininskoe knizhnoe izd-vo, 1962. 24 p.

MIKHAILOV, K. N. [A book for every family; work experiences of libraries in the Krasnyye Baki and Vetluga Districts of Gorkiy Province] Knigu - v kazhduiu sem'iu; opyt raboty bibliotek Krasnobakovskogo i Vetluzhskogo raionov Gor'kovskoi oblasti. Moskva, Sovetskaia Rossiia, 1963. 76 p. (NjR)

PETROVA, O. P. [Description of written monuments of Korean culture] Opisanie pis'mennykh pamiatnikov koreiskoi kul'tury. Moskva, Izd-vo vostochnoi lit-ry.
No. 2. 1963. 138 p. illus.

PODOZERSKAIA, G. F., and I. S. SMIRNOV. [Inventorying and revising library collections; practices of the Library of the Academy of Sciences of the U. S. S. R.] Inventarizatsiia i sverka bibliotechnykh fondov; iz opyta raboty Biblioteki AN SSSR. Leningrad, Izd-vo Biblioteki Akad. nauk SSSR, 1963. 90 p.

3. PHILOSOPHY & RELIGION

AHUND-ZÂDE, FETH ALI. [Deceived stars Translated from the Azerbaijani] *Obmanutye zvezdy, Baku,* Azerbaidzhanskoe izd-vo detskoi i iunosheskoi lit-ry, 1962. 47 p.
(WaU)

AKADEMIIA NAUK SSSR Fundamental'naia biblioteka obshchestvennykh nauk. [History of pre-Marxist philosophy in foreign countries, bibliography of Soviet studies published in Russian in 1917-1962] Istoriia zarubezhnoi domarksistskoi filosofii, bibliograficheskie materialy, vyshedshei v SSSR na russkom iazyke za 1917-1962 gody. Sost. E. I. Serebrianaia. Pod red. IU. N. Davydova. Moskva, 1963. 207 p.

ANDIBUR, M. V. [Before the court of the Soviet people] Pered sudom naroda. [Literaturnaia zapis', predislovie i istoricheskaia spravka P. S. Dorgeeva i A. M. Mishurova]. Abakan, Khakasskoe knizhnoe izd-vo, 1963. 109 p.

APRESIAN, Z. G. [Aesthetics, a bibliography, 1956-1960] Estetika, bibliografiia, 1956-1960. Moskva, Vsesoiuznoi teatral'noe ob-vo, 1963. 259 p.

BELIK, A. P. [Aesthetics and our time, a study of some timely problems] Estetika i sovremennost', ocherk nekotorykh aktual'nykh problem. Moskva, Politizdat, 1963. 189 p.

BLUDOV, IA. S., and A. M. STEPANCHENKO. [Simplicity and modesty] O prostote i skromnosti. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 156 p.

BOGOMOLOV, A. S. [Critical evaluation of present-day bourgeois philosophy] Kritika sovremennoi burzhuaznoi filosofii. Moskva, Gospolitizdat, 1963. 45 p. (Metodicheskie sovety po filosofii)

CHAGIN, B. A. [G. V. Plekhanov and his role in the development of Marxist philosophy] G. V. Plekhanov i ego rol' v razvitii marksistskoi filosofii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 302 p.

CHUEVA, I. P. [Criticism of the ideas of intuitivism in Russia] Kritika idei intuitivizma v Rossii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 127 p.

DENISENKO, P. P. [Medicine and religion] Meditsina i religiia. Moskva, Sovetskaia Rossiia, 1961. 85 p.

IOANN, Bp. of San Francisco. [Orthodoxy in America, an ecclesiological essay] Pravoslavie v Amerike, ekklezиologicheskii ocherk. New York, 1963. 23 p.

MEZENTSEV, V. A., and L. T. PINCHUK. [Ghosts, black cats, and nonmarvelous marvels] O privideniiakh, chernoi koshke i chudesakh bez chudes. [Moskva] Molodaia gvardiia, 1963. 99 p.

MOROZ, K. V. [Law of the unity and struggle of opposites] Zakon edinstva i bor'by protivopolozhnostei. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 62 p. (Filosofiia, kurs lektsii)

MUSABAEVA, N. A. [Problems of causality in philosophy and biology] Problemy prichinnosti v filosofii i biologii. Alma-Ata, Akad. nauk Kazakhskoi SSR, 1962. 292 p.
(MH)

NEIKHARDT, A. A. [Mystery of the "holy" cross] Zagadka "sviatogo" kresta. Moskva, *Gospolitizdat,* 1963. 43 p.

NUTSUBIDZE, SH. I. [Petrus Iberus and ancient philosophical heritage, some problems of Areopagitica] Petr Iver i antichnoe filosofskoe nasledie, problemy areopagitiki. Tbilisi, Izd-vo SSP Gruzii "Literatura i iskusstvo," 1963. 489 p.

OBSHCHESTVO PO RASPROSTRANENIIU POLITICHESKIKH I NAUCHNYKH ZNANII RSFSR. [Atheistic theories should be spread among the people] Ateisticheskie znaniia - narodu, stenogramma lektsii, prochitannykh na respublikanskikh seminarakh i v narodnykh universitetakh ateizma. Leningrad, 1963. 302 p.

[PROGRAM FOR A COURSE ON THE PRINCIPLES OF MARXIST-LENINIST AESTHETICS, for study groups and persons who study according to individual study plans] Programa z osnov Marksysts'ko-leninis'koi estetyky, dlia seminariv i vyvchaiuchykh za indyvidual'nymy planamy. Kyiv, Derzhpolitvydav URSR, 1963. 23 p.

[PROGRAM FOR STUDYING THE FUNDAMENTALS OF SCIENTIFIC ATHEISM] Programma po izucheniiu osnov nauchnogo ateizma, dlia kryzhkov seti politicheskogo prosveshcheniia (40 chasov). [Moskva] Sotsekgiz, 1963. 14 p.

RZAEV, AGABABA. [Legal theories of M. F. Akhundov] Pravovye vzgliady M. F. Akhundova. Baku, Azerbaidzhanskoe gos. izd-vo, 1962. 87 p.
(MH)

SCHAFF, ADAM. [Introduction to semantics. Translated from the Polish] Vvedenie v semantiku. Vstup. stat'ia V. A. Zvegintseva, red. A. A. IAkusheva. Moskva, Izd-vo inostr. lit-ry, 1963. 374 p.
(NjP)

SHAKHNOVICH, M. I. [Omens in the light of science] Primety v svete nauki. [Leningrad] Lenizdat, 1963. 113 p. (Bibliotechka ateista)

SHAKHNOVICH, M. I. [Talks with believers about conscience] Besedy s veruiushchimi o sovesti. Leningrad, Ob-vo po rasprostraneniiu politicheskikh i nauchnykh znanii RSFSR, 1963. 56 p.

SPIRKIN, A. G. [Marxist philosophy course] Kurs marksistskoi filosofii. Moskva, Sotsekgiz, 1963. 502 p.

STEPIN, V. S. [Present-day positivism and the individual branches of science] Sovremennyi pozitivizm i chastnye nauki. Minsk, Izd-vo MVSS i PO BSSR, 1963. 58 p.

STRUKOV, E. V. [All-around [illegible] ment of personality] Vsestor[illegible] razvitie lichnosti. Moskva,

SURAPBERGENOV, AMANBAI. and fatalism in Islam] Bozh[illegible] nost', fatalizm v islame. Al[illegible] izd-vo, 1961. 43 p.

TARASOV, K. E. [Present-day [illegible] Ideologiia sovremennogo pra[illegible] vo "Znanie," 1963. 45 p. ([illegible] tekhnike. II Seriia: Filosofii

VOROB'EV, I., and A. KOGAN philosophy; a popular manua[illegible] filosofiia; populiarnyi pidru[illegible] vo polit. lit-ry, 1961. 414 [illegible]
(InU)

[WE BROKE AWAY FROM REL[illegible] believers) My porvali s rel[illegible] veruiushchikh. Izd. 2., ispr[illegible] dat, 1963. 506 p. (Nauchno

ZHINKIN, N. I., and F. N. SHEMIAKIN, eds. [Thought and speech] Myshlenie i rech'. Moskva, Izd-vo APN RSFSR, 1963. 270 p.

4. HISTORY

[ACROSS THE FJORDS] Cherez fiordy. Moskva, Voenizdat, 1964. 158 p. (Voennye memuary)

AELIANUS, CLAUDIUS. [Varia historia] Pestrye rasskazy. Perevod s drevnegrecheskogo, stat'ia, primechaniia i ukazatel' S. V. Poliakovoi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 185 p. (Literaturnye pamiatniki)

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku, Institut istorii. [History of Azerbaijan in three volumes] Istoriia Azerbaidzhana v trekh tomakh. Pod red. I. A. Guseinova i dr. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR.
Vol. 3. Pts. 1-2. 1963.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata, Institut istorii, arkheologii i etnografii. [History of the Kazakh S. S. R., the epoch of socialism] Istoriia Kazakhskoi SSR, epokha sotsializma. Izd. 2., perer. i dop. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 910 p.

AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze. Institut istorii. [History of Kirghizistan] Istoriia Kirgizii. Frunze. Kirgizskoe gos. izd-vo. 1963. 2 v.

AKADEMIIA NAUK SSSR. IAkutskii filial, Yakutsk. Institut iazyka, literatury i istorii. [History of the Yakut A. S. S. R.] Istoriia IAkutskoi ASSR. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 3. [Soviet Yakutia] Sovetskaia IAkutiia. 1963. 382 p.

AKADEMIIA NAUK SSSR. Institut istorii. [Articles on the modern and most recent history of Rumania] Novaia i noveishaia istoriia Rumynii, sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 286 p.

AKADEMIIA NAUK SSSR. Institut istorii. [Brief history of the U. S. S. R. in two parts] Kratkaia istoriia SSSR v dvukh chastiakh. Moskva, Izd-vo Akad. nauk SSSR.
Pt. 1. [From the ancient times to the Great October Socialist Revolution] S drevneishikh vremen do Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii. 1963. 535 p.

AKADEMIIA NAUK SSSR. Institut istorii. [Studies on the history of historical science in the U. S. S. R.] Ocherki istorii istoricheskoi nauki v SSSR. Pod. red. M. V. Nechkinoi i dr. Moskva, Izd-vo Akad. nauk SSSR
Vol. 3. 1963. 830 p.

AKADEMIIA NAUK SSSR. Institut narodov Azii. [Reader on the history of the ancient East] Khrestomatiia po istorii drevnogo Vostoka. Pod red. V. V. Struve i D. G. Redera. Moskva, Izd-vo vostochnoi lit-ry, 1963. 543 p.

AKADEMIIA NAUK TURKMENSKOI SSR, Ashkhabad, Institut istorii, arkheologii i etnografii. [Russo-Turkmen relations in the 18th and 19th centuries, before the incorporation of Turkmenistan into Russia] Russko-turkmenskie otnosheniia v XVIII-XIX vv.; do prisoedineniia Turkmenii k Rossii. Sbornik arkhivnykh dokumentov. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 583 p.

AKADEMIIA NAUK BSSR, Minsk. Instytut istoryi. [Heroic defense, collection of reminiscences on the defense of the Brest Fortress in June and July 1941] Geroicheskaia oborona, sbornik vospominanii ob oborone Brestskoi kreposti v iiune-iiule 1941 g. 2., dop. izd. Minsk, Gosizdat BSSR, 1963. 597 p.

AKADEMIIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. Institut obshchego i politekhnicheskogo obrazovaniia. [How to teach a systematic modern history course (the first period) in the ninth grade] O prepodavanii sistematicheskogo kursa novoi istorii (pervogo perioda) v IX klasse, metodicheskoe pis'mo. Moskva, Uchpedgiz, 1963. 110 p.

ALADZHALOVA, N. N. [From the Bolshevik underground; reminiscences] Iz bol'shevistskogo podpol'ia; vospominaniia. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1963. 77 p.

ALEKSANDROV, N. I. [Friends and companions in arms] Druz'ia-tovarishchi. Moskva, Voenizdat, 1963. 174 p. (Voennye memuary)

APAKIDZE, A. M. [Cities and city life in ancient Georgia] Goroda i gorodskaia zhizn' v drevnei Gruzii. Tbilisi, Izd-vo nauk Gruzinskoi SSR. [In Georgian]
Vol. 1. 1963. 261 p. illus.

BACHYNS'KYI, P. P. [For the united family of Soviet nations] Za iedynu sim'iu radians'kykh narodiv. Kyiv, 1962. 43 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR, Seriia 1, no. 13)

BARANOV, G. T. [They were counted as killed, exploits of the heroes of the battle for the Volga] Ikh schitali pogibshimi, o podvigakh geroev bitvy za Volgu. Leningrad, Ob-vo po rasprostraneniiu politicheskikh i nauchnykh znanii RSFSR, 1963. 63 p.

BARANOVA, M. P., and N. G. PAVLOVA. [History of the White Russian S. S. R.] Istoriia BSSR, uchebnoe posobie dlia uchashchikhsia VII-VIII klassov vos'miletnei shkoly. Pod red. N. V. Kamenskoi. Izd 2. Minsk, Gos. uchebno-pedagog. izd-vo M-va prosv. BSSR, 1963. 113 p.

BELOV, P. A. [Behind us was Moscow] Za nami Moskva. Moskva, Voenizdat, 1963. 330 p. (Voennyi memuary)

BOIKO, F. F. [Fortress of the Black Sea region] TSitadel' Chernomor'ia. Moskva, Voenizdat, 1963. 134 p. (Geroicheskoe proshloe nashei Rodiny)

BOTSVADZE, T. D. [History of Georgian-Kabardian contacts, from the 16th to the 18th century. Iz istorii gruzino-kabardinskikh otnoshenii, XVI-XVIII vv.] Tbilisi, 1963. 130 p. [In Georgian]

BULOTA, ANDRIUS. [From the white horse to the swastika] Nuo baltojo zirgo iki svastikos. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1962. 176 p. [In Lithuanian]

BYSTRYKH, F. P. [The Second Congress of the Russian Social Democratic Party and the Bolsheviks of the Ural Mountain region] Vtoroi s"ezd RSDRP i bol'sheviki Urala. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 105 p.

CHEKANOV, N. K. [The Nien Rebellion in China, 1853-1868] Vosstanie nian'tszunei v Kitae 1853-1868 gg. Moskva, Izd-vo vostochnoi lit-ry, 1963. 169 p.

DALIN, V. M. [Gracchus Babeuf, his life before and during the great French Revolution, 1785-1794] Grakh Babef, nakanune i vo vremia Velikoi frantsuzskoi revoliutsii, 1785-1794. Moskva, Izd-vo Akad. nauk SSSR, 1963. 614 p.

DAVYDOV, Z. S. [Stars atop towers, sketches of the old Kremlin] Zvezdy na bashniakh; ocherki starogo Kremlia Moskva, Sovetskii pisatel', 1963. 180 p.

D'IACHENKO, G. KH. [Nesterov's heirs] Naslediniki Nesterova. Moskva, Voenizdat, 1963. 170 p.

DONOVA, K. V., and L. PISARSKAIA. [The Moscow Kremlin; brief information] Moskovskii Kreml'; kratkaia spravka. [5., dop. izd. Moskva] Moskovskii rabochii, 1962. 92 p. illus.
(CaOTU)

FEDOTOV, A. S., S. P. ROMANOV, and M. V. SIROTKIN. [Reconnaissance scouts in the rear of the enemy] Razvedchiki v tylu vraga. Moskva, Voenizdat, 1963. 205 p.

[FLARE OVER THE NEVA; collective documentary narrations] Plamia nad Nevoi; kollektivnaia dokumental'naia povest'. [Leningrad] Lenizdat, 1964. 602 p.

GESSEN, A. I. [In the depths of Siberian mines... Decembrists at hard labor and in exile] Vo glubine sibirskikh rud... dekabristy na katorge i v ssylke. Moskva, Detgiz, 1963. 335 p.

[THE GLORY OF THOSE DAYS WILL LAST FOREVER; reminiscences of the old Bolsheviks] Etikh dnei ne smolknet slava; vospominaniia starykh bol'shevikov. Simferopol', Krymizdat, 1963. 146 p.

GONIMOV, I. A. [The old city of Yuzovka] Starala IUzovka. [Donetsk] Donetskoe knizhnoe izd-vo, 1962. 250 p.

GOPALAN, A. K. [Kerala, its past and present] Kerala; ee proshloe i nastoiashchee. Moskva, Izd-vo inostr. lit-ry, 1961. 205 p.
(KU)

GURO, I. R. [Champions of a noble cause] Ozarennye. Moskva, Gospolitizdat, 1963. 157 p.

GUSEINOV, AKHMED. [Azerbaijani-Russian relations from the 15th through the 17th century] Azerbaidzhano-russkie otnosheniia XV-XVII vekov. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 238 p.

[HISTORY OF THE ESTONIAN S. S. R.] Eesti NSV ajalugu kolmes köites. Tallinn, Eesti Riiklik Kirjastus. [In Estonian]
Vol. 2. [From the 1850's to March 1917] XIX sajandi 50. aastast kuni 1917. aasta märtsini. Toimetuse kollegium J. Saat ja teised. 1963. 710 p.

IAZ'KOVA, A. A. [Rumania on the eve of the Second World War, 1934-1939] Rumyniia nakanune Vtoroi Mirovoi voiny 1934-1939 gg. Moskva, Izd-vo Akad. nauk SSSR, 1963. 294 p.

IBARRURI, DOLORES. [The only road. Translated from the Spanish] Edinstvennyi put'. Moskva, Gos. izd-vo polit. lit-ry, 1962. 462 p.
(NNC)

IGNATOV, P. K. [Partisan's notebook] Zapiski partizana. [Moskva] Mosk. rabochii, 1959. 767 p.
(MiDW)

[IN THE BATTLES FOR KHARKOV PROVINCE; reminiscences of the veterans of the Great Patriotic War] V bolkh za Khar'kovshchinu, vospominaniia uchastnikov Velikoi Otechestvennoi voiny. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 393 p. illus.

[THE INTERNATIONAL SOLIDARITY OF THE WORKERS IN THE STRUGGLE FOR PEACE AND NATIONAL LIBERATION FROM FASCIST AGGRESSION, AND FOR THE COMPLETE DESTRUCTION OF FASCISM IN EUROPE AND ASIA; 1938-1945] Mezhdunarodnaia solidarnost' trudiashchikhsia v bor'be za mir i natsional'noe osvobozhdenie protiv fashistskoi agressii, za polnoe unichtozhenie fashizma v Evropo i Azii; 1938-1945. Moskva, Sovetskaia Rossiia, 1962. 703 p.
(CSTmoR)

ISBAKH, A. A. ["Comrade Absolute" (Elena Dmitrievna Stasova)] Tovarishch Absolut (Elena Dmitrievna Stasova). Moskva, Izd-vo "Znanie," 1963. 105 p.

IUROVSKAIA, E. E. [Early imperialist wars] Ranniye imperialisticheskie voiny. Moskva, Vysshaia shkola, 1963. 97 p. (V pomoshch' studentu-istoriku)

IVANOV, A. E. Frits Platten. Moskva, Gospolitizdat, 1963. 77 p.

KHABLO, E. P., and K. S. GORBACHEVICH. [Leningrad streets are named after them] Ikh imenami nazvany ulitsy Leningrada. [Leningrad] Lenizdat, 1963. 367 p.

KHALFIN, N. A. [The fight for Kurdistan, the Kurdish problem in 19th century international relations] Bor'ba za Kurdistan; kurdskii vopros v mezhdunarodnykh otnosheniiakh XIX veka. Moskva, Izd-vo vost. lit-ry, 1963. 169 p.

KHONEI, F. D. [I left America] IA uekhal iz Ameriki [Volgograd] Volgogradskoe knizhnoe izd-vo, 1963. 179 p.

KHVOSTOV, V. M., ed. [Modern history] Nova istoriia. [By] O. P. Averianov ta inshi. Kyiv, Radians'ka shkola.
Pt. 2. [For the tenth grade] Dlia 10 klasu. 1963. 320 p. 1 fold. map.

KOLOMIETS, I. G. [Socioeconomic relations and the political movement in Transcarpathia in the second half of the 19th century] Sotsial'no-ekonomicheskie otnosheniia i obshchestvennoe dvizhenie v Zakarpat'e vo vtoroi polovine XIX stoletiia. Tomsk, Izd-vo Tomskogo univ.
Vol. 3. 1962. 677 p. 2 fold. maps.

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshaia partiinaia shkola. Kafedra istorii SSSR. [History of the U. S. S. R.] Istoriia SSSR; uchebnoe posobie. Izd. 2., dop. Pod obshchei red. D. D. Datsiuka. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 871 p.

KONOVALOV, V. G. [Heroic deeds of the cruiser "Almaz"] Podvig "Almaza." [Odessa] Odesskoe knizhnoe izd-vo, 1963. 267 p.

KORNEEV, L. A. [Formation of Malagasy Republic] Obrazovanie Mal'gashskoi Respubliki Moskva, Izd-vo vostochnoi lit-ry, 1963. 200 p.

KOZII, MYKHAILO. [In a foreign cause. The narrative of Mykhailo Kozii from the village of Bogdanovka, Skalat County; his adventures in a Bolshevik prison and in General Anders's Polish Army] Za chuzhu spravu. Rozpovid' Mykhaila Koziia z sela Bohdanivka, povit Skalat, joho pryhody v bol'shevyts'komu poloni i v pol's'kii armii generala Andersa. Z peredmovoiu A. Vysochenka. 2.vyd. Toronto, Sribna surma [1961] 364 p.
(CoU)

KRAINIUKOV, K. V., and others. [Party work in the Russian Armed Forces during the years of the Great Patriotic War, 1941-1945, a brief historical review] Partiino-politicheskaia rabota v Sovetskikh Vooruzhennykh Silakh v gody Velikoi Otechestvennoi voiny, 1941-1945; kratkii istoricheskii obzor. Moskva, Voenizdat, 1963. 525 p.

KRASNOYARSK. KRAEVOI MUZEI. [Materials and studies on the archaeology, ethnography, and history of Krasnoyarsk Territory, archaeology] Materialy i issledovaniia po arkheologii, etnografii i istorii Krasnoiarskogo kraia; arkheologiia. [Krasnoiarsk] Krasnoiarskoe knizhnoe izd-vo, 1963. 163 p.

KRUGLOVA, A. I. [Unforgettable events, reminiscences] Nezabyvaemoe, vospominaniia [Leningrad] Lenizdat, 1963. 143 p.

KRUSHINSKII, A. S. [Explosions in the Dnieper Valley] Vzryvy nad Dneprom Moskva, Gospolitizdat, 1963. 134 p (Geroi i podvigi)

KRYMSKAYA OBLAST'. Gosudarstvennyi arkhiv. [Guide to the Government Archives of the Province of the Crimea] Krymskii oblastnoi gosudarstvennyi arkhiv; putevoditel'. Pod obshchei red. A. D. Belikova, A. A. Stepanovoi. Simferopol', Krymizdat, 1961. 325 p.

KUKUSHKIN, S. M. [Moscow Bolsheviks during the years of the First World War and the February Revolution] Moskovskie bol'sheviki v gody Pervoi Mirovoi voiny i Fevral'skoi revoliutsii. [Moskva] Mosk. rabochii, 1963. 189 p.

LATVIJAS PADOMJU SOCIALISTIKAS REPUBLIKAS ZINATNU AKADEMIJA. Vestures un materialas kulturas institute. [History of the Latvian S. S. R.] Latvijas PSR vesture. Atbildigais red. K. Strazdins. Riga, Latvijas PSR Zinatnu akad. izd-ba, [In Latvian]
Vol. 3. [From 1917 to 1950] No. 1917. gada lidz 1950. gadam. 1959. 664 p.

LENIN, V. I. [Complete works] Polnoe sobranie sochinenii. Izd. 5. Moskva, Gospolitizdat.
Vol. 42. [November-1920-March 1921] Noiabr' 1920-mart 1921. 1963. 606 p.

LOPATIN, V. F. [Failure of the anti-Soviet plans of the U. S. A., Genoa-The Hague, 1922] Proval antisovetskikh planov SShA; Genua-Gaaga 1922. Moskva, Sotsekgiz, 1963. 235 p.

[MASKS ARE OFF!] Maski sorvany! Tallin, Estonskoe gos. izd-vo, 1961. 166 p.
(NNC)

MATSKO, A. N. [Fight of the workers of Poland and western White Russia against fascism, 1933-1939] Bor'ba trudiashchikhsia Pol'shi i Zapadnoi Belorussii protiv fashizma; 1933-1939 gg. Minsk, Izd-vo Akad. nauk BSSR, 1963. 204 p.

MIKHAILOVSKII, N. G. [Wind force 9] Deviat' ballov. [Murmansk] Murmanskoe knizhnoe izd-vo, 1962. 198 p.
(MH)

MILIUKHA, V. T., V. P. MYSNICHENKO, and IA. E. DONSKOI. [Tribe of the brave; stories about the underground work of the Communist Youth League Organization of Kharkov Province] Plemia otvazhnykh; ocherki o rabote podpol'noi komsomol'skoi organizatsii Khar'kovshchiny. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 67 p.

MINAEVA, N. V. [Granovskii in Moscow] Granovskii v Moskve. [Moskva] Moskovskii rabochii, 1963. 100 p.

MINEEV, N. F. [First victory] Pervaia pobeda. Leningrad, Ob-vo po rasprr polit. i nauchn. znanii RSFSR, 1962. 93 p.

MINSK. INSTYTUT HISTORYI PARTYI. [Unconquered White Russia, reminiscences and articles on the nationwide guerrilla movement in White Russia during the Great Patriotic War, 1941-1945] Nepokorennaia Belorussiia, vospominaniia i stat'i o vsenarodnom partizanskom dvizhenii v Belorussii v gody Velikoi Otechestvennoi voiny, 1941-1945 gg. Moskva, Voenizdat, 1963. 373 p.

MONOSZON, I. I., and N. G. KOMAROV, comps. [Men of Kirov Province, heroes of the Soviet Union] Kirovchane, geroi Sovetskogo Soiuza, [2., dop. i perer. izd. Kirov] Kirovskoe knizhnoe izd-vo, 1962. 446 p.
(MH)

MOSCOW. INSTITUT ISTORII PARTII. [Crimes committed by the occupation forces of German fascists in White Russia, 1941-1944] Prestupleniia nemetsko-fashistskikh okkupantov v Belorussii, 1941-1944. Minsk, Gos. izd-vo BSSR, 1963. 434 p.

MOSCOW. INSTITUT MARKSIZMA-LENINIZMA. [V. I. Lenin, a brief biographical sketch] V. I. Lenin, kratkii biograficheskii ocherk. Izd. 2. Moskva, Politizdat, 1963. 190 p.

MUKHTAROV, AKHROR, comp. [Anthology on the history of Tajikistan for the 9th class] Khrestomatiia po istorii Tadzhikskoi SSR dlia IX klassa. Pod red. B. A. Antonenko, Dushanbe, Uchpedgiz Tadzhikskoi SSR, 1962. 158 p.
(NNC)

MURASHOV, S. I., ed. [The Bolshevik Party during the years of the First World War; overthrow of the monarchy in Russia] Partiia bol'shevikov v gody Pervoi Mirovoi voiny; sverzhenie monarkhii v Rossii. [By] V. V. Antonova i dr. Moskva, Gospolitizdat, 1963. 282 p.

NAHORNA, L. A. Feliks Kon. Kyiv, Derzhpolitvydav URSR, 1963. 145 p. (Bortsi za veliku spravu)

NEIKHARDT, A. A., and I. A. SHISHOVA. [Seven wonders of the world, a reader for grade 5] Sem' chudes sveta, kniga dlia chteniia v V klasse. Izd. 2. Moskva, Uchpedgiz, 1963. 120 p.

NIKOLAEVA, A. T. [Short essay on the development of source studies in Russia in the 18th century] Kratkii ocherk razvitiia istochnikovedeniia v Rossii v XVIII veke, uchebnoe posobie. Red. E. A. Lutskii. Moskva, Mosk. gos. istoriko-arkhivnyi in-t, 1962. 43 p.

PERESVETOV, R. T. [The trail of finds and losses] Po sledam nakhodok i utrat. Izd. 2., ispr. i dop. [Moskva] Sovetskaia Rossiia [1963] 286 p.

PKHAKADZE, G. G. [Aeneolithic antiquities of Kvemo-Kartli; aeneolithic monuments of Kiketi] Eneolit Kvemo Kartli, eneoliticheskie pamiatniki Kiketi. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 139 p. illus. [In Georgian with summary in Russian]

POPLAVSKII, S. G. [Companions in arms] Tovarishchi v bor'be. Moskva, Voenizdat, 1963. 280 p. (Voennye memuary)

PUSHKAREV, G. M. [In the struggle for the worker's cause; S. M. Kirov in Siberia] V bor'be za rabochee delo; S. M. Kirov v Sibiri. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1959. 171 p.
(NIC)

RASKEVICS, A. [Notes of a guerrilla fighter] Zapiski partizana. Riga, Latviiskoe gos. izd-vo, 1963. 333 p.

RASKEVICS, ALFREDS. [Their true face; Latvian bourgeois nationalism against the interests of the people during the Great Patriotic War] Vinu ista seja; par latviesu burzuazisko nacionalistu prettautisko darbibu liela tevijas kara laika. Parstradats un papildinats. 2. izd. Riga, Latvijas valsts izd-ba, 1962. 149 p. [In Latvian]
(MH)

RAMANOUSKI, V. F. [Against the distortion of the history of the Soviet guerrilla movement] Suprats' fal'sifikatsyi historyi savetskaha partyzanskaha rukhu. Minsk, Dzlarzh. vyd-va BSSR, 1962. 80 p.

ROSTOV-ON-DON. GOSUDARSTVENNAIA NAUCHNAIA BIBLIOTEKA IMENI K. MARKSA. [History of the Don Valley, a bibliography of Soviet literature published from 1920 to 1961] Istoriia Dona; ukazatel' sovetskoi literatury 1920-1961 gg. Rostov-na-Donu, 1962. 309 p.

ROZANOV, G. L. [Collapse of fascist Germany] Krushenie fashistskoi Germanii. Dop. i perer. izd knigi "Poslednie dni Gitlera" Moskva, IMO, 1963 261 p.

[RUSSIAN-POLISH REVOLUTIONARY CONTACTS] Russko-pol'skie revoliutsionnye sviazi. Moskva, Izd-vo Akad. nauk SSSR. (Vosstanie 1863 goda, materialy i dokumenty) 1963 2 v.

SHIFMAN, I. SH. [Origin of the Carthaginian state] Voznikovenie Karfagenskoi derzhavy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 102 p.

SHIN, A. S. [American imperialism and Indonesia (1945-1962)] Amerikanskii imperializm i Indoneziia, 1945-1962. Moskva, Izd-vo vostochnoi lit-ry, 1963. 129 p.

SHISHKIN, V. A. Varakhsha. Moskva, Izd-vo Akad. nauk SSSR, 1963. 249 p illus.

SMIRNOVA, O. I. [Catalog of coins from the ancient settlement of Pendzhikent, the materials of 1949-1956] Katalog monet s gorodishcha Pendzhikent, materialy 1949-1956 gg. Moskva, Izd-vo vostochnoi lit-ry, 1963. 171 p. illus.

SOLOVEI, DMYTRO. [Ukrainian science in colonialist fetters] Ukrains'ka nauka v kolonial'nykh putakh [New York] Vyd-vo Prolog, 1963. 270 p. (Suspil'no-politychna biblioteka)

SOLOV'EV, S. M. [Russian history from ancient times in 15 books] Istoriia Rossii s drevneishikh vremen v piatnadtsati knigakh. Moskva, Sotsekgiz.
Book 3 (vols. 5-6). 1960 814 p.
Book 5 (vols. 9-10) 1961. 754 p.

STAINBERGS, VALENTINS. [Struggle of Latvian workers for the Soviet regime in 1917] Latvijas darbalauzu sina par padomju varu 1917. gada K. Kaulina redakcija. Riga, Latvijas valsts izd-ba, 1957. 269 p. [In Latvian]

STASOVA, E. D., ed. [In the circle of the fronts' young people in the years of the civil war] V kol'tse frontov; molodezh' v gody grazhdanskoi voiny; sbornik dokumentov. [Moskva] Molodaia gvardiia, 1963. 413 p.

[THE STUDY OF SOURCE MATERIALS FOR THE HISTORY OF THE U. S. S. R., a textbook] Istochnikovedenie istorii SSSR, uchebnoe posobie. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1962-
No. 1. Tikhomirov, M. N [From ancient times to the end of the 18th century] S drevneishikh vremen do kontsa XVIII veka.
No. 2. Nikitin, S. A. [The 19th century (to the beginning of the 1890's)] XIX v. (do nachala 90-kh godov).
(NcD)

TIMIRIAZEV, K. A. [Science and democracy, collected articles, 1904-1919] Nauka i demokratiia; sbornik statei; 1904-1919 gg. Moskva, Sotsekgiz, 1963. 497 p.

TRAVINSKII, V. M. [The fortunes of Chernye sud'by. Leningrad, Detgiz

TRIBUTS, V. V. [Submariners of the military memoirs] Podvodniki Baltnye memuary. [Leningrad] Lenizda

TUTUNDZHAN, T. A. [The 50th anni rebellion of military engineers in ' vosstaniia turkestanskikh saperov. Gosizdat UzSSR, 1962. 89 p.

VAIMAN, I. [People, years, events; inimesed, sundmused, aastad, mal Eesti Riiklik Kirjastus, 1963. 210

VELICHKO, M. A. [Pages of a great Lenin lived. Sketches] Stranitsy i leninskim mestam. Ocherki. [Mochili, 1963. 293 p.

WHITE RUSSIA. Arkhivnoe upravlenie [Reconstruction of the economy of the Gomel' Government, 1921-1925] Vosstanovlenie narodnogo khoziaistva Gomel'skoi gubernii, 1921-1925 gg , sbornik dokumentov i materialov Gomel', 1960. 680 p
(MH)

ZASHKIL'NIAK, A. S [The Bolshevik effort to strengthen the local party organizations, 1904-1905] Bor'ba bol'shevikov za ukreplenie mestnykh partiinykh organizatsii, 1904-1905 gg. [L'vov] Izd-vo L'vovskogo univ., 1963. 217 p.

ZAV'IALOV, B. M. [Dmitrii Zakhar'evich Manuil'skii] Dmytro Zakharovych Manuil's'kyi. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1963 150 p

ZHUKOV, G. A. [One "Mig" from a thousand, a documentary tale] Odin "Mig" iz tysiachi, dokumental'naia povest' [Moskva] Molodaia gvardiia, 1963. 286 p.

6. SOCIAL SCIENCES

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut istorii, arkheologii i etnografii. [For Communist labor] Za kommunisticheskii trud; materialy nauchnoi sessii. Alma-Ata, 1963. 149 p. (Its: Trudy, v. 19)
(CSt-H)

AKADEMIIA NAUK SSSR. Institut ekonomiki. [Economics] Politicheskaia ekonomiia, uchebnik. Izd. 3., perer. i dop. Moskva, Gos. izd-vo polit. lit-ry, 1959. 707 p.

AKADEMIIA NAUK SSSR. Institut ekonomiki. [Efficiency of capital investments in various branches of socialist industry] Effektivnost' kapital'nykh vlozhenii v razlichnykh otraslikh sotsialisticheskoi promyshlennosti. Moskva, Izd-vo Akad. nauk SSSR, 1963. 229 p.

AKADEMIIA NAUK SSSR. Institut ekonomiki. [Material incentives for developing the collective farm production] Material'noe stimulirovanie razvitiia kolkhoznogo proizvodstva. Moskva, Izd-vo Akad. nauk SSSR, 1963. 326 p.

AKADEMIIA NAUK SSSR. Institut ekonomiki. [Method for determining the economic efficiency of utilizing atomic energy in the national economy] Metodika opredeleniia ekonomicheskoi effektivnosti ispol'zovaniia atomnoi energii v narodnom khoziaistve Moskva, Gosatomizdat, 1963 53 p

AKADEMIIA NAUK SSSR. Institut ekonomiki. [Socialist national economy of the U. S. S. R. in 1933 to 1940] Sotsialisticheskoe narodnoe khoziaistvo SSSR v 1933-1940 gg. Moskva, Izd-vo Akad. nauk SSSR, 1963. 665 p.

AKADEMIIA NAUK SSSR. Institut ekonomiki mirovoi sotsialisticheskoi sistemy. [Economy of socialist countries, 1960-1962] Ekonomika stran sotsializma, 1960-1962 gg. Moskva, Izd-vo "Ekonomika," 1964. 261 p.

AKADEMIIA NAUK SSSR. Institut istorii. [Special features of imperialism in Russia] Ob osobennostiakh imperializma v Rossii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 439 p.

AKADEMIIA NAUK SSSR Ural'skii filial, Sverdlovsk. Otdel ekonomicheskikh issledovanii. [Distribution and specialization of agriculture in Chelyabinsk Province] Razmeshchenie i spetsializatsiia sel'skogo khoziaistva Cheliabinskoi oblasti. Sverdlovsk, Akad. nauk SSSR. 1963. 204 p.

AKADEMIIA NAUK URSR, Kiev. Instytut ekonomiky. [National income of the Ukrainian S. S. R. during the period of the large-scale building of communism] Natsional'nyi dokhod Ukrains'koi RSR v period rozhornutoho budivnytstva komunizmu. Red. kolegiia: O. O. Nesterenko ta inshi. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 333 p.

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Institut ekonomiki. [Economics of the machinery manufacture of Uzbekistan] Ekonomika mashinostroeniia Uzbekistana. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 289 p.

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Nauchno-issledovatel'skii institut ekonomiki stroitel'stva. [Manual for estimated costs in construction] Spravochnik po smetnomu delu v stroitel'stve. Moskva, Gosstroiizdat,
pt. 2. 1963. 462 p.

ALEKSANDROV, M. M., F. I. NAZAREVSKII, and S. N. STRELKOV. [Accounting in a store] Bukhgalterskii uchet v magazine. Moskva, Gostorgizdat, 1963. 158 p.

ALESKEROV, G. I., and IA. G. SADOVSKII. [The city strides toward tomorrow, meditations over Baku's future] Gorod shagaet v zavtra, razdum'ia o budushchem Baku Baku, Azerbaidzhenskoe gos. izd-vo, 1963 66 p.

ARTEM'EVA, N. A., and L. A. KVITNITSKII. [Control over reducing construction and assembly work costs] Kontrol' za snizheniem sebestoimosti stroitel'no-montazhnykh rabot. Moskva, Gosfinizdat, 1963 65 p. (V pomoshch' bankovskomu rabotniku)

ARZUMANIAN, A. A [Problems of modern capitalism] Problemy sovremennogo kapitalizma. Moskva, Ekonomizdat, 1963. 121 p

BAIAZIDI, M. M. [Manners and customs of the Kurds] Nravy i obychai Kurdov. Peredov, predislovie i primechaniia M. B. Rudenko. Moskva, Izd-vo vostochnoi lit-ry, 1963 202 p. [In Russian and Kurdish]

BAIBARIN, P. P., and S. A. PUTIAEV. [Industrial safety committee of the factory and plant local committee] Komissiia FZMK po okhrane truda. [Moskva] Profizdat. 1963. 61 p. (Bibliotechka profsoiuznogo aktivista, no. 12(60))

BELKIN, F. D. [Uniform prices and economic measurements based on them] TSeny edinogo urovnia i ekonomicheskie izmereniia na ikh osnove. Moskva, Izd-vo ekon. lit-ry, 1963. 345 p.

BELOTSERKOVSKII, I. G. [Economic analysis of the production and management operations of subcontracting construction organizations, practice of Kuybyshev construction organizations] Ekonomicheskii analiz proizvodstvenno-khoziaistvennoi deiatel'nosti podriadnykh stroitel'nykh organizatsii, opyt kuibyshevskikh stroitel'nykh organizatsii. Moskva, Gosstroiizdat, 1963. 109 p.

BERDYSHEV, G. D. [The longevity problem in Siberia and the Far East] Problema dolgoletiia v Sibiri i na Dal'nem Vostoke, Novosibirsk, Izd-vo Sibirskogo otd-niia Akad. nauk SSSR, 1963. 77 p.

BEREZIN, V. P., G. A. ZOTOV, and S. A. SHALAEV, [Potentials for increasing labor productivity, from the work practice of the Olenino Lumbering Camp] Rezervy rosta proizvoditel'nosti truda, iz opyta raboty Oleninskogo lespromkhoza. Moskva, Goslesbumizdat, 1963 77 p.

BEREZOV, V. A. [Schools of communist labor practice] Shkoly opyta kommunisticheskogo truda. [Leningrad] Lenizdat, 1963. 89 p.

BILAN, J. Deshcho pro suspil'ne zabezpechennia pratsiuiuchykh. Social security of employees. Winnipeg, Vyd-vo Robitnychoi komisii Kom-tu ukraintsiv Kanady ta Ukrains'koi robitnychoi organizatsii. 1955. 24 p.
(CaOTU)

BIRMAN, I. IA., and L. E. MINTS, eds. [Mathematical methods and the problems of production distribution] Matematicheskie metody i problemy razmeshchenila proizvodstva. Moskva, Ekonomizdat, 1963. 347 p.

BLAGOVESHCHENSKAIA, N. S., and V. E. SEGALOV. [Organization of socialist competition in an enterprise] Organizatsiia sotsialisticheskogo sorevnovaniia na predpriiatii. [Moskva] Profizdat, 1963. 94 p. (Bibliotechka profsoiuznogo aktivista, no. 15(63))

BLAHMANIS, L., and others. [Economics of socialist industry, a popular textbook] Socialistiskas rupniecibas ekonomika; populars macibu lidzeklis. Riga, Latvijas valsts izd-ba 1963. 227 p. [In Latvian]

BLIUMBERG, V. A., and P. A. PAKIDOV. [Productivity and economic efficiency of the mechanization and automation of metal cutting] Proizvoditel'nost i ekonomichnost' mekhanizatsii i avtomatizatsii mekhanicheskoi obrabotki. Pod red. A. A. Matalina, Leningrad, Mashgiz, 1963. 178 p.

BOGDANOV, I. A [The power of socialist competition] Sila sorevnovaniia. Moskva, Izd-vo Sovetskaia Rossiia, 1963 63 p. (Reshenila XXII s"ezda KPSS - v zhizn'!)

BOIKO, A. A., ed. [Planning in the coal industry; a manual for preparing the technical, industrial and financial plan] Planirovanie v ugol'noi promyshlennosti, spravochnik po razrabotke tekhpromfinplana. Moskva, Gosgortekhizdat, 1963. 312 p.

BONDARENKO, P. T. [The new man is molded by work] V trude formiruetsia novyi chelovek [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 84 p.

BREGEL', E. IA. [Land rent. The development of capitalism in agriculture] Zemel'naia renta. Razvitie kapitalizma v sel'skom khoziaistve. Moskva, Izd-vo in-ta mezhdunarodnykh otnoshenii, 1962. 102 p. (Lektsii po politicheskoi ekonomii, no. 9)
(MH)

BRO, G. G., O. B. BOKII, and SH. B. SKOTOV. [Financial and economic operations of underground and open cut coal mines, an economic analysis] Finansovo-khoziaistvennaia deiatel'nost' ugol'nykh shakhty i razreza; ekonomicheskii analiz. Pod obshchei red. O. B. Bokiia. Moskva, Gosgortekhizdat, 1963 311 p

BUNICH, P. G. [Current problems in the efficient utilization of productive capacity and capital assets] Aktual'nye voprosy effektivnogo ispol'zovaniia proizvodstvennykh moshchnostei i osnovnykh fondov. Moskva, Ekonomizdat, 1963. 68 p (Obsluzhivanie problemy sovershenstvovaniia planirovaniia, no. 5)

BURLOVA, L. IA., A. F. LEBEDEVA, and A. V. TARASOVA. [Work hygiene in plants of the textile industry, cotton-spinning and weaving manufacture] Gigiena truda na predpriiatiiakh tekstil'noi promyshlennosti, v bumagopriadil'nom i tkatskom proizvodstve. Leningrad, Medgiz, 1963. 49 p. (Nauchno-populiarnaia meditsinskaia literatura)

[CEMENT INDUSTRY; its present status and prospects for development] TSementnaia promyshlennost', sostoianie i perspektivy razvitiia. [By] F. G. Bonk i dr. Moskva, Gosstroiizdat, 1963. 258 p.

CHISTIAKOV, A. D., and I. S. KUNITSA, comps. [Omsk Province, facts and figures] Omskaia oblast', fakty i fakty. [Omsk] Omskoe knizhnoe izd-vo, 1962. 220 p

[COLLECTION OF PROBLEMS ON THE STATE BUDGET] Sbornik zadach po gosudarstvennomu biudzhetu. Moskva, Gosfinizdat, 1963. 190 p.

[COLLECTION OF REGULATIONS ON WAGES FOR WORKERS OF STATE AGRICULTURAL ENTERPRISES] Sbornik polozhenii ob oplate truda rabotnikov gosudarstvennykh predpriiatii sel'skogo khoziaistva. Kiev, Gossel'khozizdat USSR, 1963. 301 p.

[COMMUNITY PARTICIPATION IN CULTURAL AND EDUCATIONAL WORK] Obshchestvennye nachala v kul'turno-prosvet—rabote. Moskva, Sovetskaia Rossiia, 1963. 110 p. (Bibliotechka v pomoshch' sel'skomu klubnomu rabotniku, no. 10)

[COSTS, BUSINESS ACCOUNTING AND PROFITABILITY IN BUSINESS ON COLLECTIVE FARMS] Sebestoimost', khozraschet i rentabl'nost' v kolkhozakh [Vologda] Vologodskoe knizhnoe izd-vo, 1963. 102 p. (Reshenila noiabr'skogo plenuma TsK KPSS - v zhizn')

DLIN, N. A. [United Arab Republic (Egypt)] Ob"edinennaia Arabskaia Respublika (Egipet). Moskva, Izd-vo vostochnoi lit-ry, 1963. 130 p.

DRUZHININ, N. K., comp. [Reader on the history of Russian statistics; the history of theoretic viewpoints] Khrestomatiia po istorii russkoi statistiki, istorii teoreticheskikh vzgliadov. Moskva, Gosstatizdat, 1963. 294 p.

DUDARAVA, T. IA. [Cultural and technological growth of the working class of White Russia after the 22d Congress of the CPSU] Kul'turna-tekhnichny rost rabochaha klasa Belarusi paslia XX z"ezda KPSS. *Minsk, Dziarzhvyd. BSSR, 1963. 168 p.*

DZIUBINSKAIA, IA. S. [What documents prove the length of service required for the award of state pensions] Kakimi dokumentami podtverzhdaetsia trudovoi stazh pri naznachenii gosudarstvennykh pensii. Moskva, Gosiurizdat, 1963. 56 p. (Iuridicheskie konsul'tatsii dlia naselenila v voprosakh i otvetakh)

[ECONOMIC PROBLEMS OF AGRICULTURAL DEVELOPMENT IN THE U.S.S.R.] Ekonomicheskie voprosy razvitiia sel'skogo khoziaistva SSSR. Moskva, Ekonomizdat, 1963. 446 p.

[ECONOMICS OF SOVIET TRADE] Ekonomika sovetskoi torgovli, uchebnik. 2., dop. izd. Moskva, Politizdat, 1963. 519 p.

EDEL'SHTEIN, I.V., and V.V. FILIPCHENKO. [Establishing norms and planning the working capital of a collective farm] Normuvannia i planuvannia oborotnykh koshtiv kolhospu. Kyiv, Derzhsil'hospvydav URSR, 1962. 88 p.

EGEREVA, L.I. [Production and distribution balance of an agricultural production unit; method for preparation] Balans proizvodstva i raspredeleniia produktsii sel'skogo khoziaistva; metodika sostavleniia. Moskva, Ekonomizdat, 1963. 146 p.

ELIZAVETIN, G.V. [Money] Den'gi. Moskva, Detgiz, 1963. 220 p.

[EMBARRASSING TALES] Piinlikud lood. [By] Aruvalja Andres ja teised. Tallinn, Kodumaa valjaanne, 1963. 78 p. [In Estonian]

ERFNOV, A.E. [Origin and development of the socialist legal theory of land relations in the Kazakh S.S.R.] Vozniknovenie i razvitie sotsialisticheskikh zemel'nykh pravootnoshenii v Kazakhskoi SSR. Alma-Ala, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 361 p. (MH)

EZERSKII, P.P. [Calculating and planning an increase in labor productivity according to the factors involved] Ischislenie i planirovanie rosta proizvoditel'nosti truda po faktoram. Moskva, Ekonomizdat, 1963. 201 p.

FADEEVA, N.V. [Central mountains of the Selenga Basin; natural conditions and regionalization] Selenginskoe srednegor'e, prirodnye usloviia i raionirovanie. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963. 169 p.

FRIDMAN, L.A. [Capitalist development of Egypt, 1882 to 1939] Kapitalisticheskoe razvitie Egipta, 1882-1939. [Moskva] Izd-vo Mosk. univ., 1963. 364 p.

GABIDULLIN, V.M., and A.A. PRONIN. [Collective farm incomes and their utilization] Dokhody kolkhozov i ikh ispol'zovanie. Moskva, Ekonomizdat, 1963. 106 p.

GARETOVSKII, N.V. [How a state farm fund is formed and utilized] Kak obrazuetsia i ispol'zuetsia fond sovkhoza. [Moskva] Profizdat, 1963. 30 p. (Bibliotechka sel'skogo profsoiuznogo aktivista, no. 3/15).

[GENERAL THEORY OF STATISTICS] Zahal'na teoriia statystyky. [By] F.H. Dolhushevs'kyi ta inshi. [Kyiv] Vyd-vo Kyivs'koho univ., 1963. 336 p.

GERMAN, K.K. [Role of White Russian workers in the triumph of the collective-farm system, 1929-1934] Rol' rabochego klassa v pobede kolkhoznogo stroia v Belorussii, 1929-1934 gg. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 93 p.

GOLIKOV, V.A. [The most important stage in the development of agricultural cooperation in the U.S.S.R., 1921 to 1929] Vazhneishii etap razvitiia sel'skokhoziaistvennoi kooperatsii v SSSR (1921-1929 gg). Moskva, Sel'khozizdat, 1963. 199 p.

GORDON, A.L., and L.S. ROSSIANSKII. [Economics, organization, and planning in the radio industry] Ekonomika, organizatsiia i planirovanie radiotekhnicheskogo proizvodstva. Moskva, Gosenergoizdat, 1963. 351 p.

GRAND, N., and V. TKACHENKO. [Encounters at the Festival] Festival'nye vstrechi. [Kalinin] Kalininskoe knizhnoe izd-vo, 1958. 110 p. (MH-L)

GRISHIN, V.V. [Report on the activities of the All-Union Central Council of Trade Unions and the tasks of the U.S.S.R. trade unions during the large-scale building of a communist society, report of Comrade V.V. Grishin, President of the All-Union Central Council of Trade Unions at the 13th Congress of the Trade Unions of the U.S.S.R., October 28, 1963] Otchet o rabote VTsSPS i zadachi profsoiuzov SSSR v period razvernutogo stroitel'stva kommunisticheskogo obshchestva; doklad predsedatelia VTsSPS tovarishcha V.V. Grishina na XIII s"ezde profsoiuzov SSSR, 28 dekabria 1963 goda. [Moskva] Profizdat, 1963. 77 p.

GROMOV, V.I. [Developing specialization and cooperation in the industry of an economic region] Razvitie spetsializatsii i kooperirovaniia v promyshlennosti ekonomicheskogo raiona. Moskva, Ekonomizdat, 1963. 218 p.

[THE GUARDS OF THE BUILDERS OF COMMUNISM] Gvardiia stroitelei kommunizma [Moskva] Moskovskii rabochii, 1963. 222 p.

GUBIN, E.P., ed. [Disseminate practice in reducing production costs among all collective and state farms] Opyt snizheniia sebestoimosti produktsii — vsem kolkhozam i sovkhozam. Smolensk, [Smolenskoe knizhnoe izd-vo] 1963. 87 p.

IARKOV, V.V. [Learn to manage] Uchis' khoziaistvovat'. Izd. 2., perer. i dop. Moskva, Metallurgizdat, 1963. 57 p. (Osnovy ekonomiki predpriiatii chernoi metallurgii)

IGNATENKO, A.P. [Handicraft in the cities of White Russia in the 17th and 18th centuries] Remeslennoe proizvodstvo v gorodakh Belorussii v XVII-XVIII vv. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 87 p.

ILLGEN KONRAD. [Friendship in action, the Soviet Union's economic aid to socialist states and economically underdeveloped countries. Translated from the German] Druzhba v deistvii, ekonomicheskaia pomoshch' Sovetskogo Soiuza sotsialisticheskim gosudarstvam i ekonomicheski slaborazvitym stranam. Moskva, Izd-vo inostr. lit-ry, 1962. 267 p. maps. (CSt-H)

INSTITUT TEKHNICHESKOI INFORMATSII I EKONOMICHESKIKH ISSLEDOVANII PO NEFTIANOI I GAZOVOI PROMYSHLENNOSTI. [Economic problems of petroleum production] Voprosy ekonomiki neftedobyvaiushchei promyshlennosti. Moskva, ITEIneftegaz, 1962. 120 p. (Tematicheskii nauchno-tekhnicheskii sbornik Serlia: Dobycha)

[MICROFILM]

IOFFE, A.I., and M.I. LAZAREV. [A treaty which cleans the atmosphere . . , ban on tests of nuclear weapons in the atmosphere, outer space, and under water] Dogovor, ozdoroviaiushchii atmosferu . . , o zapreshchenii ispytanii iadernogo oruzhiia v atmosfere, v kosmicheskom prostranstve i pod vodoi. Moskva, Sotsekgiz, 1963. 61 p.

IUSHINA, L.V. [Wage organization and payment on collective farms] Organizatsiia i oplata truda v kolkhozakh. [Riazan'] Riazanskoe knizhnoe izd-vo, 1962. 23 p.

IUZBASHEV, S.G., and E.S. SHKUTNIK [Principles of planning, accounting, and business accounting in designing and engineering research organizations] Osnovy planirovaniia ucheta i khoziaistvennogo rascheta v proektnykh i izyskatel'nykh organizatsiiakh. Moskva, Gosstrolizdat, 1963. 338 p.

IVANOV, F.G. [Working assets of collective farms] Oborotnye sredstva kolkhozov Moskva, Izd-vo VPSh i AON, 1963. 54 p.

IVANOV, IU.V., and N.I. SHCHEDRIN. [Organization of machine accounting] Organizatsiia mekhanizirovannogo ucheta. Pod red. V.I. Isakova. Moskva, Gosstatizdat, 1963. 330 p.

KAGANOV, G.A., and P.P. SURIN. [Potentials for carrying out the plan ahead of schedule without additional capital investments] Rezervy dosrochnogo vypolneniia plana bez dopolnitel'nykh kapitalovlozhenii. Moskva, Metallurgizdat, 1963. 43 p. (Osnovy ekonomiki predpriiatii chernoi metallurgii)

KALASHNIKOV, P.L. [Commercial study of wood and forest products] Drevesinovedenie i lesnoe tovarovedenie. Moskva, Goslesbumizdat, 1963. 253 p.

KAMENITSER, S.E., V.G. KONTOROVICH, and G.A. PISHCHULIN. [Organization and planning of an industrial enterprise] Organizatsiia i planirovanie promyshlennogo predpriiatiia, uchebnik. 3., perer. i dop. izd. Moskva, Gospolitizdat, 1963. 606 p.

KAPCHINS'KA, IE.I. [Our flourishing republic, sketch on the natural features and natural resources of the Soviet Ukraine] Nasha kvitucha respublika, narys pro pryrodu i pryrodni bahatstva Radians'koi Ukrainy. Kyiv, Tovarystvo "Znannia" Ukrains'koi RSR, 1963. 44 p.

KARAKOZ, I.I. [Daily economic analysis of the work of enterprises] Ezhednevnyi ekonomicheskii analiz raboty predpriiatii Moskva, Gosfinizdat, 1963. 86 p.

KARIMOVA, S.S. [Establishing work norms and wages on the collective farms of Kazakhstan] Normirovanie i oplata truda v kolkhozakh Kazakhstana. Alma-Ata, Kazakhskoe gos. izd-vo sel'khoz. lit-ry, 1962. 117 p.

KHAKUASHEV, E.T. [Kabardino-Balkaria in the years of the reconstruction of the Soviet national economy, 1921-1925] Kabardino-Balkariia v gody vosstanovleniia narodnogo khoziaistva SSSR, 1921-1925 gg. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1962. 135 p. (NIC)

KHEIFETS, S.B. [Finances of regional service industry and enterprises] Finansy raionnoi promyshlennosti i predpriiatii bytovogo obsluzhivaniia. Moskva, Gosbytizdat, 1963. 129 p.

KHLEBOV, G.A., and E.A. ZINCHENKO. [Monetary wages on the "Trudovoi pakhar'" Collective Farm] Denezhnaia oplata v kolkhoze "Trudovoi pakhar'." Alma-Ata, Kazsel'khozgiz, 1962. 46 p.

KHODASEVICH, B.G. [Economics of agricultural transportation] Ekonomika sel'skokhoziaistvennykh perevozok. Moskva, Ekonomizdat, 1963. 196 p.

KHOREVA, G.P. [In work man becomes fine, essays about communist labor collectives] V trude krasiv chelovek, ocherki o kollektivakh kommunisticheskogo truda. [Moskva] Profizdat, 1962. 55 p. (NIC)

KHRUSHCHEV, N.S. [Accelerated development of the chemical industry is the most important condition for increasing agricultural production and the growth of people's prosperity, report and concluding speech at the Plenum of the Central Committee of the CPSU on December 9th and 13th, 1963] Uskorennoe razvitie khimicheskoi promyshlennosti — vazhneishee uslovie pod"ema sel'skokhoziaistvennogo proizvodstva i rosta blagosostoianiia naroda, doklad i zakliuchitel'noe slovo na Plenume TsK KPSS 9 i 13 dekabria 1963 goda. Moskva, Politizdat, 1963. 125 p.

KHVOROSTIANNIKOV, M.D. [New form of wage organization in construction assembly brigades, practice of the Main Administration for Housing and Public Construction of the City of Leningrad] Novaia forma organizatsii oplaty truda v brigadakh konechnoi produktsii, opyt Glavleningradstroia. Leningrad, 1963. 14 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom Serila: Stroitel'noe proizvodstvo, no. 4)

KIRILLOV, E.A. [Financing and issuing credit to agriculture] Finansirovanie i kreditovanie sel'skogo khoziaistva. Moskva, Gosfinizdat, 1963. 222 p.

KOLEGAEV, R.N. [Determination of the optimum lifetime of machinery] Opredelenie naivygodneishikh srokov sluzhby mashin. Pod red. E.G. Likhermana. Moskva, Ekonomizdat, 1963. 225 p.

KOMISSAROV, N.G. [Planning and accounting for production costs in shoe repairing enterprises] Planirovanie i uchet sebestoimosti proizvodstva v remontno-obuvnykh predpriiatiiakh. Moskva, Gos. izd-vo mestnoi promyshlennosti i khudozh. promyslov RSFSR, 1961. 62 p. (MiU)

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA
Tsentral'nyi Komitet. Plenum. [Accelerated development of the chemical industry is the most important condition for increasing agricultural production and the growth of people's prosperity, resolution of the Plenum of the Central Committee of the CPSU based on the report of comrade N. S. Khrushchev, approved unanimously on December 13, 1963] Uskorennoe razvitie khimicheskoi promyshlennosti — vazhneishee uslovie pod'ema sel'skokhoziaistvennogo proizvodstva i rosta blagosostoianiia naroda, postanovlenie Plenuma TsK KPSS po dokladu tov. Khrushcheva N. S. Khrushcheva, priniatoe edinoglasno 13 dekabria 1963 goda. Moskva, Izd-vo polit. lit-ry, 1963. 29 p.

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshaia partiinaia shkola. Kafedra sovetskoi ekonomiki. [Program for the course on the economics of the construction industry, for economics schools, clubs, and seminars of the system of political education] Programma po ekonomike stroitel'stva, dlia ekonomicheskikh shkol, kruzhkov i seminarov sistemy politicheskogo prosveshchenila. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 39 p.

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshaia partiinaia shkola. Kafedra sovetskoi ekonomiki. [Program on transportation economics, for schools of economics, study groups and seminars of the party educational system] Programa z ekonomiky transportu, dlia ekonomichnykh shkil, hurtkiv i seminariv systemy politychnoi osvity. Kyiv, Derzhpolitvydav URSR, 1963. 33 p.

KONDAKOV, K. G. [Development and distribution trends in industry in the Yakut A. S. S. R.] O napravleniiakh razvitila i razmeshchenila promyshlennosti IAkutskoi ASSR, IAkutsk, IAkutskoe knizhnoe izd-vo, 1962. 143 p.

KONDRASHEV, D. D. [Price and value in the socialist economy] TSena i stoimost' v sotsialisticheskom khoziaistve. Moskva, Sotsekgiz, 1963. 391 p.

KONDRAT EV, V. A. [Industry of India, main trends in its development since 1947] Promyshlennost' Indii, osnovnye tendentsii razvitila posle 1947 g. Moskva, Sotsgiz, 1963. 245 p.
(CSTmoR)

KORNIENKO, V. T. [Price and national consumption] TSena i narodnoe potreblenie. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. III Seriia. Ekonomika, no 18)

KORZINNIKOV, S. N. [Forty years of industry in Irkutsk Province] Promyshlennost' Irkutskoi oblasti za 40 let. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1957. 93 p.
(WaU)

KOSTIN, I. I. [Struggle for time] Bytva za chas. Kyiv, Derzhpolitvydav URSR, 1963. 52 p.

KUCHKINA, O. A. [Girls' republic] Devchach'ia respublika. [Moskva] Molodaia gvardiia, 1963. 44 p. (Vnimanie - novoe)

KULL, E. [Planning in industrial enterprises] Planeerimine tööstusettevõtetes. Tallinn, Eesti Riiklik Kirjastus, 1962. 335 p. [In Estonian]

KUNAKOVA, L. Z. [Land and water reform in Fergana, 1925-1926] Zemel'no-vodnaia reforma v Ferganskoi doline, 1925-1926 gg. Osh, Gospedinstitut, 1962. 191 p.

KURAKIN, A. F., L. A. LUPYNIN, and I. E. MALKOV. [Development of the chemical industry of the Altai] Razvitie khimicheskoi promyshlennosti na Altae. Barnaul, Altaiskoe knizhnoe izd-vo, 1962. 83 p.

KUTSOBIN, P. V. [Present-day India; distribution of class and political forces] Sovremennaia Indiia; rasstanovka klassovykh i politicheskikh sil. Moskva, Politizdat, 1963. 125 p.

JAANVARK, EBBA. [The working class of Soviet Estonia and the industrial development of the republic, 1945-1950] Noukogude Eesti tööliisklass ja vabariigi tööstuse areng, aastail 1945-1950. Tallinn, Eesti Riiklik Kirjastus, 1963. 188 p. [In Estonian with summary in Russian]

[JOB FINDING FOR THE DISABLED IN THE U. S. S. R., collection of regulations and methodological materials] Trudovoe ustroistvo invalidov v SSSR, sbornik normativnykh aktov i metodicheskikh materialov. Moskva, Gosizdat, 1963. 470 p.

LENINGRAD. UNIVERSITET. [History of the working class of Leningrad] Istoriia rabochego klassa Leningrada. [Leningrad] Izd-vo Leningr. univ.
Vol. 2. [From the history of the working class of St. Petersburg-Petrograd] Iz istorii rabochego klassa Peterburga-Petrograda. 1963. 210 p.

LENINGRAD. UNIVERSITET. [Problems in economic geography] Voprosy ekonomicheskoi geografii. Leningrad, 1962. 186 p.
(DBC)

LENINGRAD. UNIVERSITET. Kafedra politicheskoi ekonomii. [Lecture course in economics, the communist method of production] Kurs lektsii po politicheskoi ekonomii, kommunisticheskii sposob proizvodstva. [Leningrad] Izd-vo Leningr. univ., 1963. 489 p.

LENTSMAN, IA. A. [Slavery in Mycenaean and Homerian Greece] Rabstvo v mikenskoi i gomerovskoi Gretsii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 303 p. (Issledovaniia po istorii rabstva v antichnom mire).

LEVIN, E. A. [Labor becomes a necessity] Trud stanovitsia potrebnost'iu. Moskva, Politizdat, 1963. 62 p.

LIBERMAN, M. KH. [Work and live in the communist way] Rabotat' i zhit' po-kommunisticheski. Moskva, Metallurgizdat, 1963. 26 p. (Osnovy ekonomiki predpriiatii tsvetnoi metallurgii)

[LIBRARY "AID FOR STUDENTS STUDYING THE PROBLEMS OF THE ECONOMICS OF CONSTRUCTION IN ELEMENTARY SCHOOLS OF ECONOMICS"] Bibliotechka "V pomoshch' izuchaiushchim voprosy ekonomiki stroitel'stva v nachal'nykh ekonomicheskikh shkolakh." 12 v. in folder (2 v. wanting). Barnaul, Altaiskoe knizhnoe izd-vo, 1960.
Sokolov, I. G. [Major construction and its role in providing the material and technical foundation of communism] Kapital'noe stroitel'stvo i ego rol' v sozdanii material'no-tekhnicheskoi bazy kommunizma. 35 p.
Kirkinskii, L. D. [Organization of construction designing] Organizatsiia proektirovaniia stroitel'stva. 25 p.
Gontarev, V. I. [Analysis of the economic activity of construction organizations] Analiz khoziaistvennoi deiatel'nosti stroitel'nykh organizatsii. 29 p.
Illarionov, A. R. [Organization of labor and wages in the construction industry] Organizatsiia truda i zarabotnoi platy v stroitel'stve. 30 p.
Kokshenev, M. S. [Construction cost and ways to reduce it] Sebestoimost' v stroitel'stve i puti ee snizheniia. 39 p.
Belov, I. S., and G. I. Dvigun. [Business accounting in construction] Khozialstvennyi raschet v stroitel'stve. 35 p.
Varegin, P. N. [Fixed assets and working capital in construction] Osnovnye i oborotnye fondy v stroitel'stve. 35 p.
Sarapkin, F. M., and Sh. F. Khazhinskii. [Financing of construction. Financial economy of construction organizations] Finansirovanie stroitel'stva. Finansovoe khoziaistvo stroitel'nykh organizatsii. 36 p.
Kogan, A. M. [Ways for speeding-up and improving the quality of construction] Puti uskoreniia i povysheniia kachestva stroitel'stva. 35 p.
Kholodkov, V. I. [Practice of advanced workers and innovators in construction is an important reserve in carrying-out plans] Opyt peredovikov i ratsionalizatorov v stroitel'stve — vazhnyi rezerv vypolneniia planov. 27 p.

LITHUANIAN S.S.R. Centrine statistikos valdyba. [National economy of the Lithuanian S.S.R. in 1961, statistical abstract] Narodnoe khoziaistvo Litovskoi SSR v 1961 godu, statisticheskii sbornik. Vil'nius, Gosstatizdat, Litovskoe otd-nie, 1963. 227 p.

LIVSHITS, G. L. [The Nikitovka Central Coal Preparation Factory's effort for the title of a communist labor enterprise] Nikitovskaia TsOF v bor'be za zvanie predpriiatiia kommunisticheskogo truda. Moskva, Gosgortekhizdat, 1962. 70 p.

LOPATKIN, V. G., G. M. KHARAKHASHIAN, and P. P. KHLEBNIKOV. [Political economy] Politicheskaia ekonomiia. Moskva, Sotsekgiz, 1963. 391 p.

LOZURAITIS, ALBINAS. [Socialist ideology] Socialistine ideologija. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1963. 55 p. [In Lithuanian]

LUGOVSKOI, K. G. [Economics of socialist agriculture] Ekonomika sotsialisticheskogo sel'skogo khoziaistva. Moskva, Ekonomizdat, 1963. 689 p.

MAKSIMOVA, E. M. [Pedagogical prose] Pedagogicheskaia proza. Moskva, Izd-vo "Sovetskaia Rossiia," 1963. 62 p. (Rasskazy o krasote dushevnoi)

[MANUAL ON WAGES ON STATE FARMS AND OTHER STATE AGRICULTURAL ENTERPRISES] Spravochnik po oplate truda v sovkhozakh i drugikh gosudarstvennykh sel'skokhoziaistvennykh predpriiatiiakh. Izd. 2, pererab. i dop. Moskva, Sel'khozizdat, 1963. 615 p.

[MARXISM-LENINISM ON THE MATERIAL AND TECHNOLOGICAL BASIS OF COMMUNISM] Marksizm-leninizm o material'no-tekhnicheskoi baze kommunizma. Moskva, Gospolitizdat, 1963. 390 p.

MASHENKOV, V. F. [Village manpower] Trudovye resursy sela. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no 19)

MEZHDUNARODNAIA KONFERENTSIIA INSTITUTOV I ORGANIZATSII EVROPEISKIKH SOTSIALISTICHESKIKH STRAN, ZANIMAIUSHCHIKHSIA VOPROSAMI EKONOMIKI I ORGANIZATSII PROIZVODSTVA I TRUDA, Warsaw, 1962. [Problems of production and management] Problemy organizatsii proizvodstva i truda, materialy. Pod red. D. G. Onika. Moskva, Ekonomizdat, 1963. 259 p.

MILIDEEV, M. G. [Planning, accounting, and calculation of production costs in metalworking enterprises] Planirovanie, uchet i kal'kuliovanie sebestoimosti produktsii metalloobrabatyvaiushchikh predpriiatii. [Moskva] Gosmestpromizdat, 1962. 111 p.
(MII)

MIRONOVA, B. L. [Production, turnover and consumption relationship during the large-scale building of communism] Vzaimodeistvie proizvodstva, obrashcheniia i potrebleniia v period razvernutogo stroitel'stva kommunizma. Moskva, Vysshaia shkola, 1963. 75 p. (Materialy k lektsiiam po politekonomii)

MIRONOVA, I. A. [Discussion of the peasant problem in Russian periodicals on the eve of the Reform of 1861, methods of the critical evaluation of the periodical press] Kritat'inskii vopros v periodicheskoi pechati vo vremia podgotovki reformy 1861 g., metodika analiza periodicheskoi pechati. Lektsiia po istochnikovedeniiu istorii SSSR dlia studentov MGIAI. Otv. red. M. N. Chernomorskii. Moskva, Mosk. gos. ist.-iuridiko-arkhivnyi in-t, 1962. 45 p.

MOSCOW. FINANSOVYI INSTITUT. [Problems of financial planning] Problemy finansovogo planirovaniia, sbornik statei. Moskva, Gosfinizdat, 1963. 141 p.

MOSCOW. INSTITUT POVYSHENIIA KVALIFIKATSII PREPODAVATELEI OBSHCHESTVENNYKH NAUK. [Political economy of socialism] Politicheskaia ekonomiia sotsializma, kurs lektsii. [Moskva] Izd-vo Moskovskogo univ., 1963. 680 p.

[NATIONAL ECONOMY OF THE R. S. F. S. R. IN 1962, statistical yearbook] Narodnoe khoziaistvo RSFSR v 1962 godu, statisticheskii ezhegodnik. Moskva, Gosstatizdat, 1963. 607 p.

NOSKOV, I. E. [A year later] God spustia. [Moskva] Moskovskii rabochii, 1963. 60 p.

NOSOV, F. V. [In the effort for the seven-year plan] V bor'be za semiletku. [Leningrad] Lenizdat, 1963. 79 p.

NURUTDINOV, S. [Trade unions and public consumption funds] Profsoiuzy i obshchestvennyo fondy potrebleniia. [Moskva] Profizdat, 1963. 78 p. (Biblioteka profsoiuznogo aktivista, no. 20(68)).

OLDAK, P. G. [Economic problems of raising the standard of living] Ekonomicheskie problemy povysheniia urovnia zhizni. Moskva, Ekonomizdat, 1963. 110 p.

OMAROV, A. M. [School of management] Shkola khozialistvovaniia. [Moskva] "Molodaia gvardiia," 1963. 332 p.

OVES, I. S., and I. Z. SAPOZHNIKOV. [Organization of the supply and replenishment of materials and equipment for construction] Organizatsiia material'no-tekhnicheskogo snabzheniia i komplektatsii stroitel'stva; opyt raboty Glavmosstroia. Moskva, Gosstroiizdat, 1963. 213 p.

OZEROV, M. E. [The wings of our friendship] Kryl'ia nashei druzhby. Simferopol', Krymizdat, 1963. 91 p.

PAKHOMOV, IU. N. [Problems in the improvement of state-farm production] Nekotorye voprosy sovershenstvovaniia sovkhoznogo proizvodstva. [Kiev] Izd-vo Kievskogo univ., 1963. 98 p. (MH)

PANKRATOVA, A. M. [Formation of the Russian proletariat, the 17th and 18th centuries] Formirovanie proletariata v Rossii, XVII-XVIII vv. Moskva, Izd-vo Akad. nauk SSSR, 1963. 489 p.

PENZIN, I. D. [Nanay District, its economic geography] Nanaiskii raion, ekonomiko-geograficheskaia kharakteristika. [Khabarovsk, Khabarovskoe knizhnoe izd-vo] 1961. 125 p. maps. (MH)

PERFMYKIN, V. I., and N. I. DVORIADKIN. [Economics of oilseed plant production] Ekonomika proizvodstva maslichnykh kul'tur. Moskva, Sel'khozizdat, 1963. 346 p.

PESCHANSKII, V. V. [Contemporary workers' movement in England] Sovremennoe rabochee dvizhenie v Anglii. Moskva, Sotsekgiz, 1963. 383 p.

PIZENGOL'TS, M. Z. [Accounting for expenditures and financial results on collective farms] Uchet zatrat i finansovykh rezul'tatov v kolkhozakh. Moskva, Sel'khozizdat, 1963. 205 p.

PLFSKII, G. M. [How to organize the work of a mutual aid fund] Kak organizovat' rabotu kassy vzaimopomoshchi. [Moskva] Profizdat, 1963. 79 p. (Bibliotechka profsoiuznogo aktivista, no. 13(61))

PLUTUS, KARL, and HENN ROOPALU. [Shall we have cooperative, collective or individual dwellings?] Kooperatiiv-, kollektiiv- voi individuaalelamu? Tallinn, Eesti Riiklik Kirjastus, 1963. 93 p. [In Estonian]

POGUDIN, V. I. [Nature is not to blame] Priroda ne vinovata. [Leningrad] Lenizdat, 1963. 84 p.

POLAND. Glowny urzad statystyczny. [Poland in figures, 1944 to 1961] Pol'sha v tsifrakh, 1944-1961. Warsaw, 1962. 94 p.

POLIAKOV, E. A. [Comparative efficiency of various types of transportation in the underdeveloped regions of the U. S. S. R.] Sravnitel'naia effektivnost' razlichnykh vidov transporta v maloosvoennykh raionakh SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 117 p.

PONIZOV, T. I. [Industrial production administration in the U. S. S. R.] Upravlenie promyshlennym proizvodstvom v SSSR. Moskva, Ekonomizdat, 1963. 219 p.

POPOV, P. F. [Natural conditions and resources of Irkutsk Province; a popular science sketch] Prirodnye usloviia i bogatstva Irkutskoi oblasti, nauchno-populiarnyi ocherk. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1958. 36 p. illus., fold. map. (MH)

POTOLOV, S. I. [Donets Basin workers in the 19th century] Rabochie Donbassa v XIX veke. Moskva, Izd-vo Akad. nauk SSSR, 1963. 233 p.

[PRINCIPLES OF THE ECONOMICS OF SOCIALIST AGRICULTURE] Osnovy ekonomiki sotsialisticheskogo sel'skogo khoziaistva. Moskva, Ekonomizdat, 1963. 416 p.

[PROGRAM ON POLITICAL ECONOMY, for seminars of the party educational system, as well as those who study economics independently] Programa z politychnoi ekonomii, dlia seminariv systemy politychnoi osvity i samostiino vyvchaiuchykh politychnu ekonomiiu. Kyiv, Derzhpolitvydav URSR, 1963. 59 p.

PSHONIK, L. M., and V. N. ZVENCHIK. [Organization of labor and wages in the construction projects of White Russia] Organizatsiia truda i zarabotnoi platy na stroikakh Belorussii. Moskva, Gosstroiizdat, 1963. 215 p.

RABINOVICH, M. G. [At the front and behind the lines; history of the trade union of workers in the ocean and river fleet, 1941-1945] Na fronte i v tylu; iz istorii profsoiuza rabochikh morskogo i rechnogo flota 1941-1945 gg. Moskva, Morskoi transport, 1962. 119 p. (MH)

RADOMYSEL'SKII, M. I., and I. A. SHIFRIN. [Firms are a new form of industrial administration] Firmy — novaia forma upravleniia proizvodstvom. Moskva, Ekonomizdat, 1963. 123 p.

RAKOV, IA. H. [Differential rent under socialism] Differentsial'naia renta pri sotsializme. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 80 p. (MH)

RIABKOV, A. V. [Accounting and the credit system of grain-receiving organizations] Kreditovanie i raschety khlebopriemnykh organizatsii. Moskva, Izd-vo tekhn. i ekon. lit-ry po voprosam khleboproduktov, 1960. 41 p.

RODIUKOV, V. I. [Economic relations of Soviet Turkmenistan] Ekonomicheskie sviazi sovetskogo Turkmenistana. Ashkhabad, Turkmengosizdat, 1963. 82 p.

ROSTOV-ON-DON. FINANSOVO-EKONOMICHESKII INSTITUT. [Collection of exercises on analyzing the economic operations of enterprises] Sbornik upraznenii po analizu khoziaistvennoi deiatel'nosti predpriiatii; dopushcheno v kachestve uchebnogo posobiia. Moskva, Gosfinizdat, 1962. 222 p. (NIC)

ROZENBLIUM, R. I. [Correspondence and office management of trade organizations and enterprises] Korrespondentsiia i deloproizvodstvo torgovykh organizatsii i predpriiatii. Moskva, Gostorgizdat, 1962. 143 p. [Cover title: Torgovaia korrespondentsiia]

RUBCHINSKII, A. M. [Organization and planning of production in a radio apparatus factory] Organizatsiia i planirovanie proizvodstva na zavode radioapparatury. Moskva, Gosenergoizdat, 1963. 271 p.

RUSSIA (1917- R. S. F. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Standard industrial calculation for the installation of sanitation systems in apartment houses of the 1 464 series] Tipovye proizvodstvennye kal'kuliatsii na montazh sanitarno-tekhnicheskikh sistem v zhilykh domakh serii 1-464. Moskva, Gosstroiizdat, 1963. 21 p.

RUSSIA (R. S. F. S. R.) Gosudarstvennyi komitet po topliv um in lennos... (DBC)

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR. ["Social science" program for secondary schools and secondary specialized schools] Programma kursa "Obshchestvovedenie" dlia srednikh shkol i srednikh spetsial'nykh uchebnykh zavedenii. Moskva, Politizdat, 1963. 22 p.

[RUSSIAN GOALS; the fifth year of the seven-year plan] Rubezhi Rossii; piatyi god semiletki. [Al'bom-vystavka, Moskva, Izd-vo "Sovetskaia Rossiia," 1963] 24 l. in folder.

SAMYLOVSKII, I. V. [Scientific and cultural relations of the Soviet Union with the countries of Asia and Africa] Nauchnye i kulturnye sviazi SSSR so stranami Azii i Afriki. Moskva, Izd-vo vostochnoi lit-ry, 1963. 67 p.

SAPACH, P. L. [Trade-union activist's university] Universitet profsoiuznogo aktivista. [Moskva] Profizdat, 1963. 52 p.

SEIDOV, R. A. [Agrarian problem and the peasant movement in Iran, 1950-1953] Agrarnyi vopros i krest'ianskoe dvizhenie v Irane (1950-1953 gg.). Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 199 p.

SHCHELOKOV, N. A. [Industrial development of the Moldavian S. S. R.] Razvitie promyshlennosti Moldavskoi SSR. Kishinev, Gos. izd-vo "Kartia moldovenieske," 1963. 354 p.

SHEVCHUK, H. M. [Cultural development in the Ukraine, 1921-1925] Kul'turne budivnytstvo na Ukraini u 1921-1925 rokakh. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 432 p.

SHIL'DKRUT, V. A. [Price problems of the world capitalist market] Problemy tsen mirovogo kapitalisticheskogo rynka. Moskva, Sotsekgiz, 1963. 318 p.

SHOTSKII, V. P. [Natural conditions for agricultural production and natural-history zones of Irkutsk Province, materials for the agricultural zoning of Irkutsk Province] Prirodnye usloviia sel'skokhoziaistvennogo proizvodstva i estestvennoistoricheskie raiony Irkutskoi oblasti, materialy po sel'skokhoziaistvennomu raionirovaniiu Irkutskoi oblasti. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1956- (CST-H)

SHUKHGAL'TER, M. L. [Organization of auxiliary work in U. S. industry] Organizatsiia vspomogatel'nykh rabot v promyshlennosti SShA. Pod red. M. G. Moshenskogo. Moskva, Ekonomizdat, 1963. 60 p.

SIDEL'NIKOV, M. V. [Issuing a long-term credit to collective farms] Dolgosrochnoe kreditovanie kolkhozov. Moskva, Gosfinizdat, 1963. 58 p. (V pomoshch bankovskomu rabotniku)

SKUMAN, A. P. [From a socialist to a communist economy] Ot sotsialisticheskoi k kommunisticheskoi ekonomike. Minsk, Izd-vo MVSS i PO BSSR, 1963. 82 p.

SMIRNOV, N. A. [Objectives and prospects of the development of the construction industry in the U. S. S. R.] Zadachi i perspektivy razvitiia stroitel'noi industrii SSSR; stenogramma lektsii. Leningrad, 1963. 47 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Stroitel'noe proizvodstvo)

SOLODKOVA, S. V. [Economic laws and their use under socialism] Ekonomicheskie zakony i ikh ispol'zovanie pri sotsializme. Moskva, Vysshaia shkola, 1963. 62 p.

SPIRIDONOV, A. M. [Poultry raising is a paying business] Ptitsevodstvo — dokhodnaia otrasl'. Moskva, Sel'khozizdat, 1963. 53 p. (DNAL)

STEFANOVSKII, E. E. [Economics of the silicate industry of the U. S. S. R.] Ekonomika silikatnoi promyshlennosti SSSR. Khar'kov, Izd-vo Khar'kovskogo univ., 1962. 204 p.

STRUMILIN, S. G., V. A. ZHAMIN, and B. S. GERASHCHENKO, eds. [Increasing labor productivity is the most important condition for the building of communism] Povyshenie proizvoditel'nosti truda — vazhneishee uslovie stroitel'stva kommunizma. Moskva, Ekonomizdat, 1963. 264 p.

[STUDY COLLECTIVE AND STATE FARM ECONOMICS] Izuchai ekonomiku kolkhoza i sovkhoza; nagliadnoe posobie. [Moskva] Gospolitizdat, 1963. 47 p.

SUKHAREVA, O. A. [The late feudal city of Bukhara at the end of the 19th and beginning of the 20th century; the handicrafts industry] Pozdnefeodal'nyi gorod Bukhara kontsa XIX-nachala XX veka; remeslennaia promyshlennost'. Tashkent, Izd-vo Akad. nauk UzSSR, 1962. 193 p. illus. map.

SUKHIN, V. A., and N. A. KHVOROSTOVSKII. [Principles governing the origin of public property] Zakonomernosti vozniknoveniia obshchenarodnoi sobstvennosti. [Leningrad] Lenizdat, 1962. 222 p. (MH)

SUKHININA, Z. P., and V. I. DUKHNEVICH. [Learn to work and live in the communist way] Uchit'sia rabotat' i zhit' po-kommunisticheski. Moskva, Metallurgizdat, 1963. 29 p. (Osnovy ekonomiki predpriiatii chernoi metallurgii)

[SUPPLEMENTARY WAGES ON COLLECTIVE FARMS] Dopolnitel'naia oplata truda v kolkhozakh. Moskva, Sel'khozizdat, 1963. 158 p.

TARASEVICH, V. F. [In order to have a profitable farm] Chtoby khoziaistvo bylo rentabel'nym Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 40 p.

[THIS HAS BEEN ACCOMPLISHED IN THE FOURTH YEAR OF THE SEVEN-YEAR PLAN] Eto sdelano v chetvertom godu semiletki [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 74 p. (Ezhegodnik bor'by za semiletku)

TOVSHTEIN, K. M. [Analysis of the managerial operations of grain-receiving enterprises] Analiz khoziaistvennoi deiatel'nosti khleboprieмnykh predpriiatii. Pod red. A. N. Platonova. Moskva, TsINTI, 1963. 69 p.

UIBOKAND, GEORG. [Principal trends in the development of the light industry of the Republic] Vabariigi kergetoostuse arendamise poshiseumad. Tallinn, Eesti Riiklik Kirjastus, 1962. 73 p. [In Estonian]

URINSON, M. S. [Economic planning in the Union Republics] Planirovanie narodnogo khoziaistva v soiuznykh respublikakh. Moskva, Ekonomizdat, 1963. 317 p.

VABAMETS, OSKAR. [Experience in lowering the production costs of milk] Piima omahinna alandamise kogemusi. Tallinn, Eesti Riiklik Kirjastus, 1963. 52 p.

VAINER, M. G., and V. P. ALFER'EV. [Supply of equipment and machinery in U. S. S. R. agriculture] Material'no-tekhnicheskoe snabzhenie sel'skogo khoziaistva SSSR. Moskva, Ekonomizdat, 1963. 174 p.

VAINSHENKER, D. I. [Statistics of industrial costs] Voprosy statistiki sebestoimosti promyshlennoi produktsii. Moskva, Gosstatizdat, 1963. 177 p.

VAKSBERG, ARKADII. [We shall solve this crime, stories of criminal investigation] Prestupnik budet naiden, rasskazy o kriminalistike. Moskva, Izd-vo "Znanie," 1963. 157 p.

VALENTEI, D. I. [Reactionary population theories in the period of the general crisis of capitalism] Reaktsionnye teorii narodonaseleniia perioda obshchego krizisa kapitalizma. Moskva, Sotsekgiz, 1963. 268 p.

VASIL'EV, D. G. [Accounting in agricultural enterprises] Bukhgalterskii uchet v sel'skokhoziaistvennykh predpriiatiiakh. Moskva, Sel'khozizdat, 1963. 510 p.

VASIL'EV, E. N. [Capital investments financed from noncentralized funds] Kapital'nye vlozheniia za schet neisentralizovannykh istochnikov. Moskva, Gosiurizdat, 1963. 50 p. (Bibliotechka khoziaistvennika i rabotnika iuridicheskoi sluzhby)

VASIL'EV, G. A. [Automation and economics] Avtomatizatsiia i ekonomika. [Moskva] Mosk. rabochii, 1963. 71 p.

VASIL'EV, P. V. [Economics of the utilization and reproduction of forest resources] Ekonomika ispol'zovaniia i vosproizvodstva lesnykh resursov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 483 p.

VEDISHCHEV, A. I. [Problems in the distribution of the productive forces of the U. S. S. R.] Problemy razmeshcheniia proizvoditel'nykh sil SSSR. Moskva, Ekonomizdat, 1963. 278 p.

VIKENT'EV, A. I. [Development of the U. S. S. R. economy and its proportion problems] Razvitie ekonomiki SSSR i problemy proportsional'nosti. Moskva, Ekonomizdat, 1963. 250 p.

VLASENKO, P. I. [Lofty initiative] Krylatyi pochin. [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 49 p.

VSESOIUZNAIA NAUCHNAIA KONFERENTSIIA PO VOPROSAM PLANIROVANIIA I UCHETA PROIZVODSTVA, RASPREDELENIIA I ISPOL'ZOVANIIA NATSIONAL'NOGO DOKHODA SOIUZNYKH RESPUBLIK, Erivan, 1961. [Problems in production planning and accounting, the distribution and use of the national income of the Union Republics] Voprosy planirovaniia i ucheta proizvodstva, raspredeleniia i ispol'zovaniia natsional'nogo dokhoda soiuznykh respublik; materialy. Red. kollegiia M. A. Adonts i dr. Erevan, Akad. nauk Armianskoi SSR, 1962. 255 p.
(MH)

VSESOIUZNOE SOVESHCHANIE PEREDOVIKOV DVIZHENIIA ZA KOMMUNISTICHESKII TRUD, Moskva, 1963. [Guards of the builders of communism] Gvardiia stroitelei kommunizma. [Moskva] Profizdat, 1963. 303 p.

[WORK PRACTICE OF PRODUCTION ADMINISTRATIONS] Opyt raboty proizvodstvennykh upravlenii. Moskva, Sel'khozizdat, 1963. 334 p.

[WORKERS' STORIES ABOUT COMMUNISM] Rasskazy rabochikh o kommunizme. [Moskva] Profizdat, 1963. 154 p.

ZAGLADA, N. G. [Life, work, and meditations; a story of a field-team leader] Zhizn', trud, razdum'ia, rasskaz zven'evoi. Kiev, Gospolitizdat USSR, 1963. 114 p.

ZERNOV, L. S., TS. R. OSTRINSKAIA, and G. V. POSTNIKOVA. [Analysis of the managerial operations of enterprises] Analiz khoziaistvennoi deiatel'nosti predpriiatii. Moskva, Gosfinizdat, 1963. 167 p.

ZHDANOV, A. I. [Economic efficiency of equipment modernization] Ekonomicheskaia effektivnost' modernizatsii oborudovaniia. Izd. 2, dop. i perer. Moskva, Ekonomizdat, 1963. 199 p.

ZHUR, I. I., and V. A. KHOKHLUSHIN. [Plant changes its production program] Zavod meniaet profil'. [Moskva] Moskovskii rabochii, 1963. 82 p.

ZIUBIN, L. M. [Difficult children] Trudnye deti. Leningrad, Ob-vo "Znanie" RSFSR, 1963. 50 p.

ZLOBIN, I. D. [World socialist market] Mirovoi sotsialisticheskii rynok. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. III Seriia. Ekonomika, no. 19)

ZUBIN, L. A. [According to the law of the jungle] Po zakonam dzhunglei. Moskva, Gospolitizdat, 1962. 125 p.

ZYMOVETS, V. N., and O. O. STOROZHUK. [Production concentration on collective farms and its economic efficiency] Kontsentratsiia vyrobnytstva v kolhospakh i ii ekonomichna efektyvnist'. Kyiv, Derzhsil'hospvydav URSR, 1962. 82 p.

6. POLITICAL SCIENCE

[ADVANCED EXPERIENCE IN POLITICAL WORK SHOULD BE APPLIED IN PRACTICE] Peredovoi opyt politzaniatii - v praktiku. [By] A. Lebedev i dr. Moskva, Voenizdat, 1963. 132 p.

AKADEMIIA NAUK KIRGIZSKOI SSR, Frunze. Institut istorii. [Triumph of the idea of proletarian internationalism and friendship among the peoples of Soviet Kirghizistan] Torzhestvo idei proletarskogo internatsionalizma i druzhby narodov v Sovetskom Kirgizistane. Frunze, Kirgizskoe gos. izd-vo, 1963. 201 p.

AKADEMIIA NAUK SSSR. Institut istorii. [Program of the CPSU and the foreign policy of the U. S. S. R.] Programma KPSS i vneshniaia politika SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 106 p. (Nauchno-populiarnaia serila)

AKADEMIIA NAUK SSSR, Institut Latinskoi Ameriki. [Five years of the Cuban revolution] Piat' let kubinskoi revoliutsii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 292 p. illus.

BORISOV, IU. [Guidance of agitation and propaganda work] Rukovodstvo agitatsionno-propagandistskoi raboto. [Moskva] Mosk. rabochii, 1963. 40 p. (Bibliotechka sekretaria partorganizatsii)

BORODAI, V. E. [Propaganda areas] Agitploshchadka. [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 21 p.

BUGAEV, E. I. [Our Lenin's party] Nasha leninskaia partiia. Moskva, Politizdat, 1963. 143 p.

[CPSU ON CULTURE, EDUCATION AND SCIENCE] KPSS o kul'ture, prosveshchenii i nauke, sbornik dokumentov. Moskva, Politizdat, 1963. 551 p.

D'IAKOV, A. M. [Nationality question in present-day India] Natsional'nyi vopros v sovremennoi Indii. Moskva, Izd-vo vostochnoi lit-ry, 1963. 194 p.

FEDOROV, K. G. [Governmental organs of the Union, 1922-1962] Soiuznye organy vlasti, 1922-1962. Moskva, Gosizdat, 1963. 188 p.

[FOREIGN POLICY OF THE SOVIET UNION AND INTERNATIONAL RELATIONS, a collection of documents, 1962] Vneshniaia politika Sovetskogo Soiuza i mezhdunarodnye otnosheniia, sbornik dokumentov, 1962 god. Moskva, Izd-vo IMO, 1963. 462 p.

GERASIMENKO, A. I. [Such is the duty of a Communist; Communists must be in the forefront always and in any situation] Takaia u kommunista dolzhnost', kommunist vsegda i vo vsem vperedi. Moskva, Politizdat, 1963. 75 p. (Biblioteka molodogo kommunista)

GORDON-POLONSKAIA, L. R. [Moslem trends in the sociopolitical thought of India and Pakistan; criticism of "Moslem nationalism"] Musul'manskie techeniia v obshchestvennoi mysli Indii i Pakistana, kritika "Musul'manskogo natsionalizma." Moskva, Izd-vo vostochnoi lit-ry, 1963. 324 p.

GRAK, K. K. [Ideological work of the Communist Party of White Russia during the first years after the war, 1945-1946] Ideologicheskaia rabota KPB v pervye poslevoennye gody, 1945-1946 gg. Minsk, Izd-vo MVSS i PO BSSR, 1963. 52 p.

GROBOV, G. M. [Militant helpers of the Communist Party; the struggle of the Soviet press for the fulfillment of the resolutions of the 22d Congress of the CPSU] Boevye pomoshchniki partii, bor'ba sovetskoi pechati za vypolnenie reshenii XXII s"ezda KPSS. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1962. 70 p.

IL'ICHEV, L. F., and others. [Discussions on political topics] Besedy na politicheskie temy. Moskva, Polit. izdat, 1964. 342 p.

ISAEV, V. P. [Education in the collective group] Vospitanie cheloveka v kollektive. [Moskva] Moskovskii rabochii, 1963. 38 p. (Bibliotechka sekretaria partorganizatsii)

IVANOV, N. I. [Lenin is fighting] Lenin boretsia. Moskva, Izd-vo IMO, 1963. 68 p.

KEIZAROV, A. S. [Knowing no rest] Ne znaiushchii pokoia. Minsk, Gosizdat BSSR, 1963. 32 p. (Rasskazy o kommunistakh)

KERIMOV, D. A. [The people and the state] Narod i gosudarstvo. Leningrad, Ob-vo po raspr. polit. i nauchn. znanii RSFSR, 1963. 55 p.

KHODZA, N. [On Lenin for the Junior Pioneers] O Lenine - Oktiabriatam. Leningrad, Detgiz, 1963. 52 p. illus.

KHRUSHCHEV, N. S. [Prevention of war is a task of paramount importance, from his addresses of 1958-1963] Predotvrashchenie voiny — pervostepennaia zadacha; iz vystuplenii 1956-1963 gg. Moskva, Izd-vo lit-ry na inostrannykh iazykakh, 1963. 191 p.

KHRUSHCHEV, N. S. [Socialism and communism, from his addresses of 1956-1963] Sotsializm i kommunizm iz vystuplenii 1956-1963 gg. Moskva, Izd-vo lit-ry na inostrannykh iazykakh, 1963. 191 p.

KHRUSHCHEV, N. S. [The revolutionary worker and the communist movement; the 1956-1963 addresses] O revoliutsionnom rabochem i kommunisticheskom dvizhenii, iz vystuplenii 1956-1963 gg. Moskva, Izd-vo lit-ry na inostr. iazykakh, 1963. 127 p.

KOLOTOV, V. V., and G. A. PETROVICHEV. [N. A. Voznesenskii; a biographical sketch] N. A. Voznesenskii, biograficheskii ocherk. Moskva, Politizdat, 1963. 40 p.

KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. 13th Congress, Moscow, 1924. [Verbatim report of the 13th Congress of the Russian Communist Party, May 1924] Stenograficheskii otchet. Moskva, [Gospolitizdat] 1963. 803 p. (Protokoly i stenograficheskie otchety s"ezdov i konferentsii Kommunisticheskoi partii Sovetskogo Soiuza)
(CSt-H)

KOMMUNISTICHESKAIA PARTIIA UKRAINY. Stalinskii oblastnoi komitet. Otdel partiinykh organov. [The organizing role of a party committee] Organizuiushchaia rol' partiinogo komiteta. [Stalino], Knizhnoe izd-vo Stalino-Donbass, 1961 39 p.

KOZOCHKINA, E. D. [The 11th Congress of the Party. The Communist Party as the organizer of the U. S. S. R.] XI s"ezd partii. Kommunisticheskaia partiia - organizator SSSR, lektsiia. [Moskva] Izd-vo Mosk. univ., 1963. 44 p.

KRUZHKOV, S., and A. PERESLAVTSEV [Introduce the communist interrelationship into the mode of life] Kommunisticheskie vzaimootnosheniia - v byt! [Moskva] Moskovskii rabochii, 1963. 56 p.

KUNDA, P. S. [In quest of an overseas paradise] V poiskakh zaokeanskogo raia. Minsk, Gosizdat BSSR, 1963. 29 p.

KUZICHEV, M. A. [Propaganda and agitation should meet present-day requirements] Propagandu i agitatsiiu - na uroven' sovremennykh trebovanii. Frunze, Kirgizskoe gos. izd-vo, 1961. 79 p. (MU)

LATVIAN S. S. R. Sabiedriskо zinatnu macibsanas pamatkalde. [Program for a course on the history of the CPSU for institutions of higher education in the U. S. S. R. (150 hours). Translated by A. Busa] PSKP vestures kursa programa, PSRS augstakajam macibu iestadem (150 stundas) Riga, Latvijas valsts izd-ba, 1963. 50 p. [In Latvian]

LEIBZON, B. M. [Lenin's conception of the party and the contemporary communist movement] Leninskoe uchenie o partii i sovremennoe kommunisticheskoe dvizhenie. Moskva, Politizdat, 1963. 383 p.

[LENIN'S COMMUNIST YOUTH LEAGUE, sketches on the history of the All-Union Lenin's Communist Youth League] Leninskii Komsomol, ocherki po istorii VLKSM. 3., perer. izd. [Moskva] Molodaia gvardiia, 1963. 814 p. (V pomoshch' izuchaiushchim istoriiu VLKSM)

LENINSKII KOMMUNISTICHESKII SOIUZ MOLODEZHI TURKMENISTANA. Tsentral'nyi komitet. 19. S"ezd. Ashkhabad, 1962. [Resolution on the report of the Central Committee of the Communist Youth League of Turkmenistan, January 15-16, 1962] Rezoliutsiia po otchetnomu dokladu TsK LKSMT, 15-16 ianvaria 1962 goda. Ashkhabad, 1962 33 p. [In Turkmen and Russian]
(MH)

LOBATENKO, N. G. [Along the road of great initiative] Po puti velikogo pochina. Minsk, Izd-vo Akad. nauk BSSR, 1963. 186 p.

MAKSIMOV, L. G. [The young will build communism] Kamunizm budavats' maladym. Minsk, Derzh. vyd-va BSSR, 1962. 37 p. (Bibliiatechka kamsamol'skaha aktyvista)

MEL'NIKOV, A. P. [Program of the CPSU on the tasks of the Party in the fields of state organization and continuing development of socialist democracy. Aid for students of correspondence and evening courses studying the materials of the 22d Congress of the CPSU] Programma KPSS o zadachakh partii v oblasti gosudarstvennogo stroitel'stva i dal'neishego razvitiia sotsialisticheskoi demokratii. V pomoshch' studentam zaochnogo i vechernego obucheniia, izuchaiushchim materialy XXII s"ezda KPSS [n. p.] Rosvuzizdat, 1963 33 p.

MOLCHANOV, N. N. [The Fourth Republic] Chetvertaia respublika. Moskva, Sotsekgiz, 1963. 606 p.

MOR, N. M. [Lenin's art of propaganda and agitation] Leninskoe iskusstvo propagandy i agitatsii. Moskva, Politizdat, 1963. 114 p.

[MOTTO OF THE TIMES; experience with voluntary participation in ideological work] Deviz vremeni; iz opyta ideologicheskoi raboty na obshchestvennykh nachalakh. [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 120 p.

NADVORNYI, V. P., and A. I. KRAEV. [Look for paths leading to the heart...; from the practice of the political party work on the trawler "Saltykov-Shchedrin"] Iskat' tropinki, vedushchie k serdtsu...; iz opyta partiino-politicheskoi raboty na tralere "Saltykov-Shchedrin," [Murmansk] Murmanskoe knizhnoe izd-vo, 1962. 43 p.

NIKANOROV, A. V. [The ax that didn't fall] Nezatiannyshaiasia petlia. Moskva, Izd-vo "Znanie," 1963. 106 p.

NILOV, A. V. [The development of the socialist state during the period of the large-scale building of communism] Razvitie sotsialisticheskoi gosudarstvennosti v period razvernutogo stroitel'stva kommunizma [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1959. 20, [2] p. (Reshenia XXI s"ezda KPSS - v zhizn')
(MH-L)

PANKOV, IU. N. [Present-day Belgium] Sovremennaia Bel'giia. Moskva, Gospolitizdat, 1963. 85 p.

[THE PARTY DURING THE LARGE-SCALE DEVELOPMENT OF SOCIALISM, Creation of the collective farm system (1929-1932)] Partiia v period nastupleniia sotsializma po vsemu frontu. Sozdanie kolkhoznogo stroia (1929-1932 gody), konsul'tatsii, metodicheskie sovety. [Moskva] Moskovskii rabochii, 1963. 141 p. (V pomoshch izuchaiushchim istoriiu KPSS)

PERLOV, I. A. [The time of strenuous work; notes of a secretary of a district party committee] Boevoe vremia, zametki sekretaria raikoma partii. [Donetsk] Donetskoe knizhnoe izd-vo, 1961 35 p.

[PROGRAM ON THE STUDY OF THE PRINCIPLES OF COMMUNIST EDUCATION, for study groups, seminars, as well as those who follow individual study plans in the party educational system] Programa vyvchennia osnov komunistychnoho vykhovannia, dlia hurtkiv, seminariv i tykh, khto navchaiet'sia za indyvidual'nymy planamy v systemi partiinoi osvity. Kyiv, Derzhpolitvydav URSR, 1963. 29 p.

[THE RELAY-RACE OF GENERATIONS, a photo report on Lenin's Communist Youth League, and its glorious history, 1918-1963] Estafeta pokolenii, fotopovest' o leninskom komsomole, ego slavnom puti. 1918-1963 gg. [Moskva] Molodaia gvardiia, 1963. 114 p. illus.

RUBINSKII, IU. I. [Union of the doomed; plans for political "integration" in Western Europe] Soiuz obrechennykh, o planakh politicheskoi "integratsii" v Zapadnoi Evrope. Moskva, Politizdat, 1963. 61 p.

RUMIANTSEV, A. M., ed. [Problems concerning the creation of a united anti-imperialistic front, materials of the discussion organized by the editors of the magazine "Problemy mira i sotsializma" in the summer of 1962] Problemy sozdaniia edinogo antiimperialisticheskogo fronta, materialy obmena mneniiami, organizovannogo redaktsiei zhurnala "Problemy mira i sotsializma" letom 1962 goda. Praga, Izd-vo "Mir i sotsializm", 1963. 129 p. (Mezhdunarodnye diskussii marksistov)

RUSSIA (1923- U. S. S. R.) Ministerstvo inostrannykh del. [Documents on the foreign policy of the U. S. S. R.] Dokumenty vneshnei politiki SSSR. Moskva, Gospolitizdat.
Vol. 8. [January 1- December 31, 1925] 1 ianvaria-31 dekabria 1925 g. Red. kollegiia vos'mogo toma I. K. Kobliakov i dr. 1963. 801 p.

RUSSIA (1923- U. S. S. R.) Upravlenie prepodavaniia obshchestvennykh nauk. [Program of the "Foundations of Scientific Communism" course for institutions of higher education] Programma kursa osnov nauchnogo kommunizma, dlia vysshikh uchebnykh zavedenii. Moskva, Politizdat, 1963. 29 p.

RUSSIA (1923- U. S. S. R.) Verkhovnyi Sovet. Prezidium. Otdel po voprosam raboty Sovetov. [Results of the 1963 elections to the Supreme Soviets of the Union, the Autonomous Republics and the local soviets of workers' deputies, and the composition of these organs; statistical data] Itogi vyborov i sostav deputatov Verkhovnykh Sovetov soiuznykh, avtonomnykh respublik i mestnykh Sovetov deputatov trudiashchikhsia 1963 g.; statisticheskii sbornik. Moskva, "Izvestiia," 1963. 222 p.

[THE SENSE AND BEAUTY OF LIFE LIES IN LABOR] V trude - smysl i krasota zhizni. Moskva, Sovetskaia Rossiia, 1963. 124 p. (Bibliotechka v pomoshch sel'skomu klubnomu rabotniku, no. 4)

SERDIUK, Z. T. [Exactingness and tactfulness, practice of examining the personal affairs of communists] O trebovatel'nosti i chutkosti; iz praktiki rassmotreniia personal'nykh del kommunistov. Moskva, Politizdat, 1963. 60 p. (Voprosy partiinogo stroitel'stva)

SOLOV'EVA, S. V. [Permanent commissions of the local soviets at a new stage] Postoiannye komissii mestnykh Sovetov na novom etape. Moskva, Izd-vo VPSh i AON, 1963. 83 p.

SVERDLOVSK. URAL'SKII GOSUDARSTVENNYI UNIVERSITET. Kafedra istorii KPSS. [The CPSU, the guiding force in the building of communism] KPSS, vedushchaia sila kommunisticheskogo stroitel'stva, sbornik statei. Sverdlovsk, 1962. 162 p.
(MH)

TABORKO, V. A., and E. N. ORLOVA [Your pioneer detachment, from the All-Union Conference of Scientific Methodology] Tvoia druzhina, s Vsesoiuznoi nauchno-metodicheskoi konferentsii. [Moskva] Molodaia gvardiia, 1963. 158 p. (Dlia tekh, kto rabotaet s pionerami)

[TRACTATES ON ETERNAL PEACE] Traktaty o vechnom mire. Moskva, Sotsekgiz, 1963 277 p.

ZAZERSKII, E. IA., comp. [There, where a man lives] Tam, gde chelovek zhivet. [Leningrad] 1962. 249 p.
(MH)

ZUBEKHIN, P. T. [What does it mean to be a Soviet patriot] Chto znachit byt' sovetskim patriotom. [Leningrad] Lenizdat, 1962. 69 p. (Besedy o moral'nom kodekse)

7. LAW

AKADEMIIA NAUK SSSR. Institut gosudarstva i prava. [Constitutional law of socialist countries] Konstitutsionnoe pravo sotsialisticheskikh stran, sbornik statei. *Pod red. V. F. Koloka i N. P. Farberova.* Moskva, Izd-vo Akad. nauk SSSR, 1963. 326 p.

AKADEMIIA NAUK SSSR. Institut gosudarstva i prava. [Legal problems in eliminating the difference between collective-farm and public property] Pravovye voprosy sblizhenia kolkhoznoi i obshchenarodnoi sobstvennosti. Moskva, Gosiurizdat, 1963. 423 p.

AKADEMIIA NAUK SSSR. Komissiia po pravovym voprosam mezhplanetnogo prostranstva. [Space and international cooperation] Kosmos i mezhdunarodnoe sotrudnichestvo. Moskva, Izd-vo in-ta mezhdunarodnykh otnoshenii, 1963. 254 p.

AVDIUKOV, M. G. [Protection of the labor rights of Soviet citizens in courts] Zashchita trudovykh prav grazhdan v sude. Moskva, Gosiurizdat, 1963. 38 p. (Bibliotechka slushatelia narodnogo universiteta pravovykh znanii)

AZOV, L. M. [Copyright royalties for the publication of literary works] Avtorskii gonorar za izdanie literaturnykh proizvedenii. Moskva, Gosiurizdat, 1963. 62 p. (Iuridicheskie konsul'tatsii dlia naselenia v voprosakh i otvetakh)

BOGUSLAVSKII, M. M. [Legal problems of Soviet technical assistance to foreign countries and license agreements] Pravovye voprosy tekhnicheskoi pomoshchi SSSR inostrannym gosudarstvam i litsenzionnye dogovory. Moskva, Izd-vo Akad. nauk SSSR. 1963 244 p.

BO

726-991 O - 64 - 2

EVDOKIMOV, P K. [Criminal responsibility of those who live a parasitic form of life] Otvetstvennost' lits, vedushchikh parazticheskii obraz zhizni. Minsk, Izd-vo MVSS i PO BSSR, 1963 46 p.

FFL'DMAN, D. I. [Present-day theories of recognition in international law] Sovremennye teorii mezhdunarodno-pravovogo priznaniia. [Kazan'] Izd-vo Kazanskogo univ., 1963. 101 p.

GRIBANOV, V. P., and L. A DUL'NEVA. [Right of private property during the period of the large-scale building of communism] Pravo lichnoi sobstvennosti v period razvernutogo stroitel'stva kommunizma. Moskva, Gosiurizdat, 1963. 49 p (Bibliotechka slushatelia narodnogo universiteta pravovykh znanii)

IARKHO, A V. [Control of factory, plant, and local committees of trade unions over the observance of labor laws, a reference book] Kontrol' FZMK za sobliudeniem trudovogo zakonodatel'stva, spravochnaia kniga. [Moskva] Izd-vo VTsSPS Profizdat, 1963 118 p.

IONAS, V IA. [Criteria for creative work in copyright and trial practice] kriterii tvorchestva v avtorskom prave i sudebnoi praktike Moskva, Izd-vo "IUridicheskaia lit-ra," 1963 136 p

KADARI, H., E. RAAL, and I. REBANE. [Soviet criminal law general part] Noukogude kriminaaliolgus uldosa. Toimetaja H. Kadari. Tallinn, Eesti Riiklik Kirjastus, 1963. 359 p. [In Estonian]

KARINSKII, S. S. [Legal regulation of wages] Pravovoe regulirovanie zarabotnoi platy. Moskva, Gosiurizdat, 1963. 207 p

KISHINEV UNIVERSITET. Kafedra gosudarstvenno-pravovykh distsiplin. [Constitutional enactments of the Moldavian S. S. R., 1924-1941] Gosudarstvenno-pravovye akty Moldavskoi SSR, 1924-1941 gg. Kishinev, Izd-vo "Kartia moldovenieske," 1963. 177 p.

KOBLIKOV, A S., and MAZALOV, A. G [Collection of problems in criminal procedure] Sbornik zadach po ugolovnomu protsessu. Moskva, Gosiurizdat, 1963 235 p.

KUZNETSOVA, N. F. [Criminal responsibility for disorderly conduct] Ugolovnaia otvetstvennost' za narushenila obshchestvennogo poriadka. Moskva, Gosiurizdat, 1963. 31 p. (Bibliotechka slushatelia narodnogo universiteta pravovykh znanii)

LEONT'EV, B. M. [Criminal responsibility for commercial crimes] Otvetstvennost' za khoziaistvennye prestupleniia. Moskva, Gosiurizdat, 1963. 189 p.

LUNEV, A. E. [Ensuring a strict observance of laws in Soviet governmental administration] Obespechenie zakonnosti v Sovetskom gosudarstvennom upravlenii Moskva, Izd-vo "IUridicheskaia literatura," 1963, 155 p

MAKOVSKII, A. L. [Conflicts arising from the demurrage of the means of transportation] Spory o prostoiakh sredstv transporta. Moskva, Izd-vo "IUridicheskaia literatura," 1963. 141 p.

MIKHALIAK, IA. S. [Implementation of socialist law during the large-scale building of communism] Primenenie sotsialisticheskogo prava v period razvernutogo stroitel'stva kommunizma. Moskva, Gosiurizdat, 1963. 43 p. (Bibliotechka slushatelia

RUSSIA (1923- U. S. S. R.) Laws, statutes, etc. [Industrial safety, a collection of rules and regulations] O'hrana truda, sbornik postanovlenii i pravil. [Moskva] Profizdat, 1963. 254 p.

RUSSIA (1923- U. S. S. R.) Laws, statutes, etc. [Payments to workers and employees, collection of official materials] Raschety s rabochimi i sluzhashchimi; sbornik ofitsial'nykh materialov, 2., dop. izd. Moskva, Izd-vo "IUridicheskaia literatura," 1963. 422 p.

SAVVIN, N. G., and M. A. EFIMOV. [Suspended sentences and release on parole] Uslovnoe osuzhdenie i uslovno-dosrochnoe osvobozhdenie ot nakazaniia. Moskva, Gosiurizdat, 1963. 31 p (Bibliotechka slushatelia narodnogo universiteta pravovykh znanii)

SHAIBEKOV, K A [Legal forms of the remuneration of collective farmers] Pravovye formy oplaty truda v kolkhozakh. Moskva, Gosiurizdat, 1963. 302 p.

SHESHENIN, E. D [Role of the Soviet public and courts in strengthening family bonds] Rol' obshchestvennosti i sudebnykh organov v ukreplenii semeinykh otnoshenii Moskva, Gosiurizdat, 1963. 28 p (Biblioteka slushatelia narodnogo universiteta pravovykh znanii)

SURILOV, A V. [History of the state and law of the Moldavian S. S. R., 1917-1959] Istoriia gosudarstva i prava Moldavskoi SSR, 1917-1959 gg. Kishinev, Kartia moldoveniaske, 1963. 334 p.

TALALAEV, A. N. [Legal nature of international treaties] IUridicheskaia priroda mezhdunarodnogo dogovora. Moskva, Izd-vo IMO, 1963. 260 p.

TERNOVAIA, H. H. [Constitutional law of bourgeois countries, subject, definition, nature, characteristics, sources, and system of a course on bourgeois constitutional law] Gosudarstvennoe pravo burzhuaznykh stran, predmet, opredelenie, sushchnost', kharakternye cherty, istochniki i sistema kursa burzhuaznogo gosudarstvennogo prava. Kurs lektsii. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 99 p.

TSERETELI, T. V. [Causal connection in criminal law] Prichinnaia sviaz' v ugolovnom prave Moskva, Gosiurizdat, 1963. 381 p.

UKRAINE. Constitution. [Constitution (fundamental law) of the Ukrainian Soviet Socialist Republic, with amendments adopted at the eighth session of the Fifth Supreme Soviet of the Ukrainian S. S. R.] Konstitutsiia (osnovnoi zakon) Ukrainskoi Sovetskoi Sotsialisticheskoi Respubliki. S izmeneniiami i dopolneniiami, priniatymi na vos'moi sessii Verkhovnogo Soveta Ukrainskoi SSR piatogo sozyva. Kiev, Gospolitizdat USSR, 1963. 30 p.
(MH)

VINOGRADOV, I. V., G. I. KOCHAROV, and N. A. SELIVANOV. [Expert testimony at preliminary examinations, a reference manual] Ekspertizy na predvaritel'nom sledstvii, spravochnoe posobie. Moskva, Gos. izd-vo iurid. lit-ry, 1959. 215 p.
(MH-L)

VLASOVA, A. G [Matrimonial property rights] Imushchestvennye otnoshenila supругov. Moskva, Gosiurizdat, 1963. 62 p. (IUridicheskie konsul'tatsii dlia naselenila v voprosakh i otvetakh)

VOLKOV, A. I., and G. V. IVANOV. [Collection of problems on collective farm law] Sbornik zadach po kolkhoznomu pravu. [Moskva] Izd-vo Mosk. univ., 1963. 81 p.

WHITE RUSSIA. Constitution. [Constitution (fundamental law) of the White Russian Socialist Republic; with amendments adopted at the 9th session of the Fourth Supreme Soviet, 1st, 2d, and 3rd sessions of the Fifth Supreme Soviet of White Russian S. S. R.] Konstitutsiia (osnovnoi zakon) Belorusskoi Sovetskoi Sotsialisticheskoi Respubliki. S izmeneniiami i dopolneniiami, priniatymi na 9-i sessii Verkhovnogo Soveta BSSR chetvertogo sozyva, 1, 2, i 3 sessiiakh Verkhovnogo Soveta BSSR piatogo sozyva. Minsk, Gos. izd-vo BSSR, 1960. 29 p.
(MiU)

8. EDUCATION

[AESTHETIC TRAINING IN KINDERGARTEN] Esteticheskoe vospitanie v detskom sadu. Moskva, Uchpedgiz, 1963. 174 p.

AKADEMIIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. Institut obshchego i politekhnicheskogo obrazovaniia. [Relationship of education to the life and work of students] Sviaz' obucheniia s zhizn'iu, s trudom uchashchikhsia. Pod red. Atutova, Moskva, Izd-vo Akad. nauk RSFSR, 1963. 222 p. (Pedagogicheskoe nasledie)

AKADEMIIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. Institut obshchego i politekhnicheskogo obrazovaniia. [School and work; uniting instruction with productive labor in the secondary school] Shkola i trud; soedinenie obucheniia s proizvoditel'nym trudom v srednei shkole. Pod red. A. I. Antonova i P. R. [illegible] Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 325 p.
(MH)

AKADEMIIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. Institut teorii i istorii pedagogiki. [Teaching students the forms of independent work, according to the materials of mathematics, Russian language, and history] Obuchenie shkol'nikov priemam samostoiatel'noi raboty, na materiale matematiki, russkogo iazyka i istorii. Pod red. M. A. Danilova i B. P. Esipova. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 175 p.

BALABANOVICH, E. Z [Anton Semenovich Makarenko, the man and the writer] Anton Semenovich Makarenko, chelovek i pisatel'. [Moskva] Moskovskii rabochii, 1963. 471 p.

BDOIAN, V., ed. [Armenian national games] Armianskie narodnye igry. Erevan, Izd-vo Akad. nauk Armianskoi SSR. [In Armenian with summary in Russian] Vol. 1. 1963. 295 p.

CHERNIAVSKII, G. I., and S. A PINALOV. [Extracurricular education in Russia during the pre-war period, 1861-1895; lecture for students taking the course "History of educational work in the U.S.S.R." Vneshkol'noe obrazovanie v Rossii v pореформенный period, 1861-1895 gg.; lektsiia dlia studentov po kursu "Istoriia kul'turno-prosvetitel'noi raboty v SSSR] Khar'kov, Khar'kovskii gos. bibliotechnyi in-t Vols. 1-2. 1962.
(MH)

DUROVA, A. V. [Theater of animals] Teatr zverei. Moskva, Izd-vo "Detskii mir" M-va kul'tury RSFSR, 1963. 62 p. illus.

EM. MELNGAILA TAUTAS MAKSLAS NAMS. [Latvian dances] Latviesu dejas. [Riga] 1963. 230 p.

EMEL'IANOV, IU. V., and R. I. ZHEMARINA. [Manual for launch handlers] Posobie dlia sudovodite-katerov. Moskva, Izd-vo "Fizkul'tura i sport," 1963. 363 p.

FALAMEEV, A. I. [How to become healthy, strong and handsome, advices, lessons and exercises for dumbbell, weight and bar gymnastics at home] Kak stat' zdorovym, sil'nym i krasivym, sovety, uroki i uprazhneniia dlia zanimaiushchikhsia s gantelliami, [illegible] shtangoi v domashnikh usloviiakh. [Leningrad] Lenizdat, 1963. 94 p.

GEL'MONT, A. M., and D. I. POLTORAK. [Lectures in formal education] Televidenie v shkol'nom obrazovanii. Moskva, Izd-vo APN RSFSR, 1963. 111 p.

GONCHAROV, N. K. Narodnoe prosveshchenie v SSSR. Public education in the USSR. Moskva, 1963. 64 p. [In Russian and English]

GRIGOR'EV, P. N. [Badminton; a sports game for all] Badminton; sportivnaia igra dlia vsekh. Kazan', Ob-vo po rasprostraneniu politicheskikh i nauchnykh znanii RSFSR, 1963. 55 p.

KOBLENTS, A. [Along the roads of chess tournaments from a trainer's notebook] Dorogami shakhmatnykh srazhenii; iz dnevnika trenera. Riga, Latvitskoe gos. izd-vo, 1963. 196 p.

KOLESNIK, M. G. [Organizing the methodological work in vocational technical schools] Organizatsiia metodicheskoi raboty v professional'no-tekhnicheskikh uchilishchakh. Moskva, Profizdat, 1963. 64 p. (Obmen opytom raboty)

KRAEVSKII, B. P. [School beyond the Arctic circle] Shkola v Zapoliar'e. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. XI Seriia Pedagogika, no. 16)

KUPERMAN, I. I. [For the world crown, notes of a world champion] Za svitovu koronu, zapysky chempiona svitu. Kyiv, Molod', 1963. 150 p

[METHODS MAY BE DIFFERENT BUT THE GOAL IS COMMON] Sredstva raznye, a tsel' odna [By] L. Shevchenko i dr. Moskva, Gospolitizdat, 1963. 117 p.

NIKITIN, G. [From knowledge to convictions, notes on the practice of the Gzhatsk Popular University of Culture] Ot znanii - k ubezhdeniiam, zametki ob opyte raboty Gzhatskogo narodnogo universiteta kul'tury [Smolensk] Smolenskoe knizhnoe izd-vo, 1963. 31 p. (Baltsy kul'turnogo fronta)

OL'KHOVSKII, E. S. [Training of academic youth] Vospitanie studencheskoi molodezhi. [Leningrad] Lenizdat, 1963. 56 p. (Bibliotechka sekretaria partiinoi organizatsii)

PAVLOV, V. I., and M. B. PISMENNAIA. [Before the last bell] Pered poslednim zvonkom. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauke, tekhnike. XI Seriia: Pedagogika, no. 16)

RUSSIA (1917- R. S. F. S. R.) Tsentral'nyi nauchno-metodicheskii kabinet kul'turno-prosvetitel'noi raboty. [Rural people's universities of culture] Narodnye universitety kul'tury v sel'skikh mestnostiakh. Moskva, [Izd-vo "Detskii mir"] 1961. 3 p.

RUSSIA (1923- U. S. S. R.) Komitet po fizicheskoi kul'ture i sportu. [Chess team championship of the U. S. S. R.; program of the games] Komandnoe pervenstvo SSSR po shakhmatam; programma sorevnovanii. Voroshilovgrad, Oblitpoligrafiia, 1955. 29 p.
(OCI)

SHATSKAIA, V. N. [Music in schools] Muzyka v shkole. Moskva, Izd-vo APN RSFSR.
Book 2. 1963. 164 p. (Pedagogicheskaia biblioteka uchitelia)

SOKOL'SKII, A. P. [Opening 1. b2-b4 (Sokol'skii's opening)] Debiut 1. b2-b4 (debiut Sokol'skogo). Minsk, Gosizdat BSSR, 1963. 261 p.

SOSKIN, A. M. [Our friend soccer] Nash drug futbol. Moskva, Izd-vo "Znanie," 1963. 95 p.

[TECHNICAL AND VOCATIONAL SCHOOLS OF LENINGRAD, a handbook for entering students] Tekhnikumy i uchilishcha Leningrada; spravochnik dlia postupaiushchikh. [Leningrad] Lenizdat, 1957-
(DS)

TKACHOU, M. [Grandfather Stameskin's advice] Parady dzeda Stameskina. Minsk, Dziarzh. vyd-va BSSR, 1963. 33 p. (Bibliotechka pilanera-aktyvista)

VERZINA, A. K., and A. M. NIZOVA. [Observations on nature and work in elementary schools] Nabliudenila prirody i truda v nachal'noi shkole. Moskva, Izd-vo APN RSFSR, 1962. 94 p. (Pedagogicheskaia biblioteka uchitelia)

9. MUSIC, THEATER & MOTION PICTURES

[THE ACTOR'S WORK] Trud aktera, sbornik statei. Moskva, Izd-vo "Sovetskaia Rossiia," (Bibliotechka "Khudozhestvennaia samodeiatel'nost'," no. 17)
No. 11. Fetisova, Ul'ianov, Efremov, Batalov. 1963. 86 p.

AKSIUK, S. V., ed. [Russian folk songs sung by M. F. Malkina] Russkie narodnye pesni napetye M. F. Malkinoi. Moskva, Sovetskii kompozitor, 1963. 123 p.

ALMA-ATA. GOSUDARSTVENNAIA KONSERVATORIIA. [Essays on the history of Soviet Kazakh music] Ocherki po istorii kazakhskoi sovetskoi muzyki. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. lit-ry, 1962. 305 p.
(NIC)

ANDREEVA, M. F. [Correspondence, reminiscences, articles, documents, reminiscences about M. F. Andreeva] Perepiska, vospominaniia, stat'i, dokumenty, vospominaniia o M. F. Andreevoi. Izd. 2., dop. Moskva, Iskusstvo, 1963. 724 p. illus.

ARKHIMOVYCH, L. B., and M. M. HORDIICHUK. [Mykola Vitaliiovych Lysenko, life and works] Mykola Vitaliiovych Lysenko, zyhttia i tvorchist'. 2., vypravlene i dopovnene vydannia. Kyiv, Derzh. vyd-vo URSR "Mystetstvo," 1963. 353 p.

BAZANOV, V. V. [Stage, technique, performance] Stsena, tekhnika, spektakl'. Leningrad, Iskusstvo, 1963. 118 p.

BELIAEV, V. M. [Outline history of the music of the peoples of the U. S. S. R.] Ocherki po istorii muzyki narodov SSSR. Moskva, Muzgiz.
No. 2. [Musical culture of Azerbaijan, Armenia and Georgia] Muzykal'naia kul'tura Azerbaidzhana, Armenii i Gruzii. 1963. 339 p.

BOBROVNYKOV, IE. N. [Play, music!] Hrai, muzyko. [Kyiv, Dytvydav, 1963] 98 p.

BOGEMSKII, G. D. [Vittorio de Sica] Vittorio De Sika. Moskva, Izd-vo "Iskusstvo," 1963. 229 p. illus. (Mastera zarubezhnogo kinoiskusstva)

BOGOSLOVSKII, N. V. [Favorite city, songs with accordion accompaniment] Liubimyi gorod, sbornik pesen s soprovozhdeniem bajana. Moskva, Voenizdat, 1963. 128 p.

EGOROV, A. M. [Hygiene of the voice and its physiological foundation] Gigiena golosa i ego fiziologicheskie osnovy. Pod obshchei red. N. I. Zhinkina. Moskva, Muzgiz, 1962. 170 p.

[FAVORITE OPERETTAS] Liubimye operetty. Moskva, Isskustvo, 1963. 102 p. (Repertuar khudozhestvennoi samodeiatel'nosti, no. 25)

FIKHTENGOL'TS, M. I. [Concert suite for violin and orchestra by S. I. Taneev] Kontsertnaia siuita dlia skripki i orkestra S. I. Taneeva. Moskva, Muzgiz, 1963. 26 p. (Biblioteka slushatelia kontsertov)

GORCHAKOV, N. M. [The stage-director and his work with performers] Rabota rukovoditelia teatral'nogo kollektiva s ispolniteliami. Moskva, Iskusstvo, 1963. 105 p.

HORDIICHUK, M. M. [Georgii Illarionovich Maiboroda, People's Artist of the U. S. S. R.] Heorhii Illarionovych Maiboroda; narodnyi artyst SRSR. Kyiv, Mystetstvo, 1963. 105 p.

IUR'EV, IU. M. [Reminiscences] Zapiski. Red. E. M. Kuznetsova. Leningrad, Iskusstvo.
Vol. 2. 1933. 509 p. (Teatral'nye memuary)

KAIAVA, E. E., L. N. KONDRASHOVA, and S. D. RUDNEVA, comps. [Musical games and dance in a kindergarten, an aid to kindergarten music teachers] Muzykal'nye igry i pliaski v detskom sadu, posobie dlia muzykal'nykh rukovoditelei detskikh sadov. Izd. 2., ispr. i dop. Leningrad, Uchpedgiz, 1963. 398 p.

KERSHNER, L. M. ["Legend of the invisible city of Kitezh and the maiden Fevronia" by N. A. Rimskii-Korsakov] "Skazanie o nevidimom grade Kitezhe i deve Fevronii" N. A. Rimskogo-Korsakova. Moskva, Muzgiz, 1963. 108 p. (Putevoditel' po operam)

KHIVRYCH, L. N. ["Partisan pictures" Ivanenko] "Partizans'ki kartyny" A. S. Derzh. vyd-vo "Mystetstvo," 1963. (Biblioteka muzyky)

KOGAN, G. M. [At the gates of mastery, grounds for success in pianistic work] Na podstupakh masterstva; psikhologicheskie predposylki ispolnitsicheskoi raboty. Moskva, Sovetskii kompozitor, 1961. 114 p.

LOKSHIN, D. L. [Outstanding Russian conductors, their conductors] Zamechatel'nye dirizhery, kratkie ocherki. Izd. 2. Muzgiz, 1963. 210 p.

MIKHAILOV, N. N. [M. A. Skorul'sky his life and work] M. A. Skorul'skyi i tvorchist'. Kyiv, Derzh. vyd-vo mystetstva i muzychnoi lit-ry UR illus.
(MH)

MOSCOW. Ispolnitel'nyi komitet. Ug [The Moscow "Romen" Gypsy Theatre] Moskovskii tsyganskii teatr "Romen." Moskva ob"edinenila teatral'no-zrelishchn 56 p.

[MOTION PICTURES IN A CLUB, a collection of articles] Kino v klube, sbornik statei. Moskva, Sovetskaia Rossiia, 1963. 115 p. (Bibliotechka v pomoshch sel'skomu klubnomu rabotniku, no. 9)

[NEW TRENDS OF THE SOVIET THEATER] Novatorstvo sovetskogo teatra. [By] N. A. Anisas'ev i dr. Moskva, Iskusstvo, 1963. 417 p.

[OUTLINE HISTORY OF MOTION-PICTURE DRAMATURGY IN UZBEKISTAN] Uzbekiston kinodramatургiasi tarikhi ocherki. Toshkent, Uzbekiston SSR fanlar akad. nashricti, 1963. 294 p. [In Uzbek]

PAKHMUTOVA, ALEKSANDRA. [Songs of a troubled youth, collected songs with accordion accompaniment] Pesni trevozhnoi molodosti, sbornik pesen s soprovozhdeniem bajana. Moskva, Voenizdat, 1963. 136 p.

[PEOPLE'S THEATERS] Narodnye teatry. Moskva, Sovetskaia Rossiia.
No. 2. 1963. 85 p. (Bibliotechka "Khudozhestvennaia samodeiatel'nost', no. 21)

PTITSA, K. B. [Reader on the technique of choral conducting, repertoire for classes in choral conducting] Khrestomatiia po tekhnike khorovogo dirizhirovaniia; repertuar klassov khorovogo dirizhirovaniia. 2. izd., perer. i dop. Moskva, Muzgiz.
No. 1. [Folk songs] Narodnye pesni. 1963. 174 p.

RAABEN, L. N. [Soviet instrumental chamber music] Sovetskaia kamerno-instrumental'naia muzyka. Leningrad, Muzgiz, 1963. 339 p.

SARICHEVA, E. F. [Stage speech] Stsenicheskoe slovo. Moskva, Sovetskaia Rossiia, 1963. 112 p. (Bibliotechka "Khudozhestvennaia samodeiatel'nost'," no. 22)

SHAKHNAZAROVA, N. G. [Music of the peoples of the U. S. S. R.] Muzyka narodov SSSR. Moskva, Muzgiz, 1963. 27 p. (Pervonachal'naia muzykal'naia biblioteka. V pomoshch slushateliam universitetа kul'tury)

SHKOL'NIKOV, S. P. [Art of make-up] Iskusstvo grima. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 134 p.

SOLOVTSOV, A. A. [The concerto] Kontsert. Izd. 3., dop. Moskva, Muzgiz, 1963. 58 p. (Muzykal'nye formy i zhanry)

SZYMANOWSKI, KAROL. [Selected articles and letters. Translated from the Polish] Izbrannye stat'i i pis'ma. Leningrad, Muzgiz, 1963. 252 p.

VAKHROMEEV, V. A. [Elementary theory of music] Elementarnaia teoriia muzyki. 4. izd. Moskva, Muzgiz, 1963. 243 p.

VANDERFLAAS, L. D. [Symphonic music in Leningrad] Simfonicheskaia muzyka v Leningrade. Leningrad, Muzgiz. 1963. 37 p. (Biblioteka muzykal'nogo samo-

10. FINE ARTS

AKADEMIIA KHUDOZHESTV SSSR. Institut teorii i istorii izobrazitel'nykh iskusstv. [General history of art in six volumes] Vseobshchaia istoriia iskusstv v shesti tomakh. Red kollegiia: B. V. Veimarn i dr. Moskva, Iskusstvo.
Vol. 4. [Art of the 17th and 18th centuries] Iskusstvo XVII-XVIII vekov. Pod obshchei red. IU. D. Kolpinskogo i E. I. Rotenberga. 1963. 478 p. illus.

AKADEMIIA NAUK SSSR. Institut narodov Azii. [Album of Indic and Persian miniatures from the 16th to the 18th century] Al'bom indiiskikh i persidskikh miniatiur XVI-XVIII vv. Vstup. stat'i A. A. Ivanova, T. V. Grek, O. F. Akimushkina. Pod red. L. T. Giuzal'iana. Moskva, Izd-vo vostochnoi lit-ry, 1962. 81 p. 110 plates. (Vostochnaia miniatiura i fal'kligrafiia v Leningradskikh sobraniiakh)

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut gradostroitel'stva i raionnoi planirovki. [Album of contest designs for an experimental residential area in the southwest of Moscow] Al'bom konkursnykh proektov eksperimental'nogo zhilogo raiona na iugo-zapade Moskvy. Moskva, Gosstroiizdat, 1963. 182 p.

[ARTISTS OF SOVIET WHITE RUSSIA, selected works; (an album of reproductions)] Khudozhniki Sovetskoi Belorussii, izbrannye proizvedeniia, [al'bom reproduktsii]. Vstup. stat'ia P. Nikiforova. Moskva, Sovetskii khudozhnik, 1962. 6] p. illus. 30 plates. (MH)

[BAIKAL IN WORKS OF IRKUTSK ARTISTS, album of reproductions] Baikal v proizvedeniiakh khudozhnikov Irkutska, al'bom reproduktsii. Leningrad, Khudozhnik RSFSR, 1961. [8] p. plates.

CHERVONNAIA, S. M. Mikenas. Leningrad, Iskusstvo, 1963. 65 p. plates. (MH)

DENISOV, IU. M., and A. I. PETROV. [Architect Rastrelli, materials for the study of his work] Zodchii Rastrelli, materialy k izucheniiu tvorchestva. Leningrad, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1963. 200 p.

FOGEL', Z. V. Viktor Grigor'evich Puzyr'kov. Moskva, Sovetskii khudozhnik, 1959. 62 p. illus., plates. (MH)

GERTSENBERG, V. R. Viktor TSigal'. Leningrad, Khudozhnik RSFSR, 1963. 83 p. illus.

GRIMM, G. G. [Architect Voronikhin] Arkhitektor Voronikhin. Leningrad, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1963. 168 p.

GRIVNINA, A. S. [West European art of the 18th century] Iskusstvo XVIII veka v Zapadnoi Evrope. Moskva, Izd-vo Akad. khudozh. SSSR, 1963. 72 p. illus. (Biblioteka po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodeiatel'nosti i shkol'nykh bibliotek)

IL'IN, M. A. [Principles of understanding architecture] Osnovy ponimaniia arkhitektury. Moskva, Izd-vo Akad. khudozhestv SSSR, 1963. 64 p.

IOGANSON, B. V., ed. [Masterpieces of world painting in museums of the U. S. S. R., the 1st to the 19th century] Shedevry mirovoi zhivopisi v muzeiakh SSSR, I-XIX veka. Moskva, Gos. izd-vo izobraz. iskus., 1963. [11] p. plates.

KAMENSKII, V. A., and others. [Suburban zones of large cities] Prigorodnye zony krupnykh gorodov. Leningrad, Gosstroiizdat, 1963. 148 p.

KEMENOV, V. S. [Historical paintings by Surikov, the 1870's and 1880's] Istoricheskaia zhivopis' Surikova, 1870-1880-e gody. Moskva, Iskusstvo, 1963. 506 p. illus.

KRAVCHENKO, P. A. Viktor Semenovich Klimashin. Moskva, Sovetskii khudozhnik, 1958. 110 p. illus., plates.
(MH)

MALITSKAIA, K. M. [Francisco Zurbaran, 1598-1664; paintings, sculptures, engravings] Frantsisko Surbaran, 1598-1664, zhivopis', skul'ptura, grafika. Moskva, Iskusstvo, 1963. 97 p. illus.

MARKOV, L. A. [Practice in the use of ceramics in architecture] Praktika primeneniia keramiki v arkhitekture. Kiev, Izd-vo Akad. arkhitektury Ukrainskoi SSR, 1951. 30 p. plates.
(NNC)

[MASTERS OF WORLD PAINTING IN RUMANIAN MUSEUMS] Maestri ai picturii universale in muzeele Romyniei. Predisl. Dzh. Opresku. Izd. 2, peresm. Bucharest, Meridiane, 1963. [6] p. illus., plates.

MIRONOV, V. P. [A city striving for the future] Gorod, ustremlennyi v budushchee. [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 12 p.

MOLEVA, N. M., and E. M. BELIUTIN. [Russian art school in the first half of the 19th century] Russkaia khudozhestvennaia shkola pervoi poloviny XIX veka. Moskva, Iskusstvo, 1963. 407 p. illus.

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT KHUDOZHESTVENNOI PROMYSHLENNOSTI. [Vologda lace] Vologodskoe kruzhevo. Moskva, [Gosstroiizdat] 1962. 13 p. plates.
(MH)

MURASHKO, O. O. Oleksandr Oleksandrovych Murashko, 1875-1919. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1959. 16 p. 26 plates.

NIMENKO, A. V. [Ukrainian sculpture of the second half of the 19th and beginning of the 20th century] Ukrains'ka skul'ptura druhoi polovyny XIX -pochatku XX st. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 125 p. illus.

RIABUSHIN, A. V., and M. V. FEDOROV. [Contemporary Soviet architecture] Sovremennaia sovetskaia arkhitektura. Moskva, Izd-vo "Znanie," 1963. 43 p. (Narodnyi universitet kul'tury. Fakul'tet literatury i iskusstva, no. 9)

RODNIN, K. D., and R. V. OKUSHKO. [Vladimir Ful'gent'evich Okushko, pedagogue and artist] Vladimir Ful'gent'evich Okushko, pedagog i khudozhnik. Kishinev, Kartia moldovenieske, 1963. 36 p. illus., 15 plates.
(MH)

SHEVCHENKO, T. H. [Aquarelles by T. H. Shevchenko, reproductions] Akvareli T. H. Shevchenka, reproduktsii. [Kyiv, Mystetstvo, 1963. [3] p. plates.

SHISHKIN, I. I. Ivan Ivanovich Shishkin. Moskva, Izd-vo Akad. khudozhestv SSSR, 1961. 10 p., 40 plates.
(RPB)

SMOLENSK. OBLASTNOI KRAEVEDCHESKII MUZEI. Karlinnaia galereia. [Exhibition of the works of the artist Boris Fedorovich Rybchenkov, paintings, water colors, and drawings] Vystavka proizvedenii khudozhnika Borisa Fedorovicha Rybchenkova, zhivopis', akvarel', risunok. Smolensk, 1961. 14 p. 10 plates.
(MH)

SOIUZ ARKHITEKTOROV SSSR. [Landscape architecture] Landshaftnaia arkhitektura, sbornik statei po materialam soveshchaniia, posviashchennogo voprosam landshaftnoi arkhitektury. Moskva, Gosstroiizdat, 1963. 289 p.

[SOVIET ART, painting, sculpture, graphic arts] Sovetskoe iskusstvo, zhivopis', skul'ptura, grafika. [Moskva] Sovetskii khudozhnik, 1963. 13 p. illus.

TIFLIS. DOM RABOTNIKOV ISKUSSTV GRUZINSKOI SSR. [Exhibition of works by five Georgian artists: Ekaterina Bagdavadze, Petr Datebashvili, Georgii (Gaioz) Kotrikadze, Vladimir Torotadze, and Grigorii Chirinashvili. A catalog] Vystavka rabot piati Gruzinskikh khudozhnikov; Ekaterina Bagdavadze, Petr Datebashvili, Georgii (Gaioz) Kotrikadze, Vladimir Torotadze, Grigorii Chirinashvili. Katalog. Tbilisi, Soiuz khudozhnikov Gruzinskoi SSR i Khudozh. fond Gruzinskoi SSR, 1961. 63 p. plates. [In Georgian and Russian]
(MH)

TIKHANOVA, V. A. Nikolai Bagratovich Nikogosian. Moskva, Sovetskii khudozhnik, 1962. 57 p. illus. plates.
(MH)

TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII I PROEKTNYI INSTITUT PO GRADOSTROITEL'STVU. [Handbook for the designer, city planning] Spravochnik proektirovshchika, gradostroitel'stvo. (Glav. red. B. S. Shvarikov. Moskva, Gosstroiizdat, 1963. 607 p.

ULAN-UDE. BURIATSKII KOMPLEKSNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. [Buriat-Mongol literature, articles and materials] O buriatskom literaturovedenii, iskusstve, stat'i i materialy. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963. 160 p.

URBAKH, A. I. [Covered markets; practice in design and construction] Krytye rynki, opyt proektirovaniia i stroitel'stva. Moskva, Gosstroiizdat, 1963. 103 p.

VARSHAVSKAIA, M. IA. [Van Dyck, paintings in the Hermitage] Van Deik, kartiny v Ermitazhe. Leningrad, Izd-vo Gos. Ermitazha, 1963. 150 p. illus. [Text in Russian with summaries in English]

VEKSMAN, A. M., and others. [Building of a center of science; the city of Novosibirsk, 1958-1963] Stroitel'stvo goroda nauki, Novosibirsk, 1958-1963. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1963. 145 p.

[VRUBEL', correspondence, reminiscences about the artist] Vrubel', perepiska, vospominaniia o khudozhnike. [Leningrad, Iskusstvo, 1963] 461 p.

ZASLAVSKII, E. L. [Civic centers in inhabited areas of the districts of the White Russian S. S. R., planning and construction] Obshchestvennye tsentry zon naselennykh mest BSSR, planirovka i zastroika. Moskva, Gosstroiizdat, 1963. 102 p.

11. LANGUAGE, LITERATURE & FOLKLORE

ABAKAN. KHAKASSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT IAZYKA, LITERATURY I ISTORII. [Problems in Khakass philology] Voprosy khakasskoi filologii; sbornik statei. Abakan, Khakasskoe knizhnoe izd-vo, 1962. 135 p.
(MH)

ABRAMKIN, V., and others, comps. [The nation is yours, Communist, a literary collection] Narod tvoi, kommunist, literaturno-khudozhestvennyi sbornik. [Leningrad, Lenizdat, 1963] 703 p.
(MH)

AKADEMIIA NAUK SSSR. [Dargwa fairy tales, translated from the Dargwa] Dargинskie skazki. Moskva, Izd-vo vostochnoi lit-ry, 1963. 153 p.

AKADEMIIA NAUK SSSR. Institut mirovoi literatury. [History of German literature in five volumes] Istoriia nemetskoi literatury v piati tomakh. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 2. [The 18th century] XVIII v. 1963. 670 p.

AKADEMIIA NAUK SSSR. Institut mirovoi literatury. [Outline history of Soviet Azerbaijani literature] Ocherk istorii azerbaidzhanskoi sovetskoi literatury. Moskva, Izd-vo Akad. nauk SSSR, 1963. 570 p.

AKADEMIIA NAUK SSSR. Institut mirovoi literatury. [Outline history of Soviet Moldavian literature] Ocherk istorii moldavskoi sovetskoi literatury. Moskva, Izd-vo Akad. nauk SSSR, 1963. 391 p.

AKADEMIIA NAUK SSSR. Institut narodov Azii. [The Chinese language; problems of syntax] Kitaiskii iazyk, voprosy sintaksisa. Moskva, Izd-vo vostochnoi lit-ry, 1963. 287 p.

AKADEMIIA NAUK SSSR. Institut narodov Azii. [Tales about bewitched jackals, ancient Tamil] Povesti' o zakoldovannykh shakalakh, drevne tamil'skie legendy. Moskva, Izd-vo vostochnoi lit-ry, 1963. 157 p.

AKADEMIIA NAUK SSSR. Institut russkogo iazyka. [Dictionary of the modern Russian literary language] Slovar' sovremennogo russkogo literaturnogo iazyka. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 15, T. 1963. 1280 columns.

AKADEMIIA NAUK SSSR. Institut russkogo iazyka. [Etymology; studies on the Russian and other languages] Etimologiia, issledovaniia po russkomu i drugim iazykam. Moskva, Izd-vo Akad. nauk SSSR, 1963. 313 p.

Uk
SSSR. Kafedra inostrannykh iazykov.
used verbs in modern Russian, practi-
giners studying Russian] Naibolee
Glagoly sovremennogo russkogo iazyka,
posobie dlia inostrantsev, izuchaiu-
iazyk. Sost. A. K. Demidova i dr.,
K. Demidova. Moskva, Izd-vo Akad.
43 p.

DAGOGICHESKIKH NAUK RSFSR, Mos-
shchego i politekhnicheskogo obrazo-
development of students' speech in grades 5-
the requirements of the new program]
Uchashchikhsia V-VIII klassov, realiza-
novoi programmy. Pod red. V. A.
Izd. 2., ispr. Moskva, Uchpedgiz,

DAGOGICHESKIKH NAUK RSFSR,
titut obshchego i politekhnicheskogo
[Student participation and independence
language classes, elementary classes] Ak-
tivatel'nost' uchashchikhsia na urokakh
nachal'nye klassy. Pod red. T. G.
V. A. Kustarevoi. Moskva, Izd-vo APN
158 p. (Pedagogicheskie chtenila)

[Dear mothers, stories. Milye materi,
kent, Goslitizdat UzSSR] 1962.

I., I. G. GOZMAN, and G. V. SAKHAROV,
tionary of Russian abbreviations.
eviations] Slovar' sokrashchenii russkogo
30 sokrashchenii. Pod obshchei red. B. F.
Moskva, Gos. izd-vo inostr. i natsional'-
i., 1963. 486 p.

SUDARSTVENNYI LITERATURNO-
NYI MUZEI S. N. SERGEEVA-TSENSKOGO.
v-TSenskii, guide to the S. N. Sergeev-
te Literary-Memorial Museum] S. N.
nskii; putevoditel'. Simferopol', Krym-
101 p.

HE ALERT, a repertoire collection]
zku; repertuarnyi sbornik. Moskva,
963. 145 p.

N. M. [Ivan Kocherha, a literary
in Kocherha, literaturnyi portret
vyd-vo khudozh. lit-ry, 1963.

, I. M. [Tales of those who follow the
Gypsy folklore] Skazki idushchikh
po motivam tsyganskogo fol'klora.
Lenizdat, 1963. 302 p. [Publ. under her
Romany-chai]

KO, IU. V. [Light of the soul, poems]
; poezii. Kyiv, Derzhlitvydav URSR,

[Bring it out into the light, fables,
Za ushko da na solnyshko, basni,
molensk] Smolenskoe knizhnoe izd-vo,

A. A. [Crystal trumpets; plays for
rustal'nye fanfary; p'esy dlia detei.
etskaia Rossiia, 1963. 140 p.

[Tales and stories] Povesti i ras-
cva, Goslitizdat, 1963. 462 p.

, A. V. [Novgorod inscriptions on birch
excavations of 1956-1961] Novgorodskie
ie reste; iz raskopok 1956-1961 gg. Mo-
Akad. nauk SSSR, 1963. 117 p.

[In the name of a great love] Vo imia
2. izd. [Moskva] Molodaia gvardiia,
1.

[Harmony; verse of recent years] Lad,
nikh let. Izd. 2., dop. Moskva, Sovetskii
103 p.
13.

AUEZOV, M. O. [Along literary trails. Po literatu-
nym tropam. Alma-Ata, Kazgoslitizdat] 1962. 426 p.
(In Kazakh)
(MH)

BALTAKIS, ALG. [Little poems] Mazosios poemos.
Vilnius, Valstybine grozines literaturos leidykla,
1963. 89 p. [In Lithuanian]
(MH)

BARAHURA, VOLODYMYR. [Sword and book, historical
story for children and young people] Mech i knyha,
istorychni opovidannia dlia ditei i molodi. Toronto,
"Evshan- zillia", 1954. 70 p.
(InU)

BARINOVA, E. A., L. F. BOZHENKOVA, and N. A.
KOZLOVA. [Independent work of students in the study
of Russian] O samostoiatel'noi rabote uchashchikhsia
pri izuchenii russkogo iazyka, posobie dlia uchitelia.
Moskva, Uchpedgiz, 1963. 149 p.

BARYSHEV, MIKHAIL. [Panozero, northern stories]
Pan-ozero, severnye rasskazy. Moskva, Molodaia
gvardiia, 1963. 285 p.
(NIC)

BAUDOUIN DE COURTENAY, J. I. N. [Selected works
on general linguistics. Translated from the Polish,
German, and French] Izbrannye trudy po obshchemu
iazykoznaniiu. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 2. 1963. 388 p.

BEREZHNYI, VASYL'. [Earth in the sky, a fantastic
tale] V nebi - zemlia, fantastychni povisti. Kyiv,
Derzh. vyd-vo khudozh. lit-ry, 1962. 236 p.
(CaOTU)

BESSMERTNAIA, N. V., A. R. VETROVA, and L. A.
MIONCHINSKAIA. [Textbook of the German language,
for use in higher military schools for officers] Uchebnik
nemetskogo iazyka, dlia vysshikh komandnykh
voennykh uchebnykh zavedenii. Moskva, Voenizdat,
1963. 401 p.

BOBROVA, A. N. [Language progress in studying verbal
forms] Razvitie rechi pri izuchenii glagol'nykh form,
iz opyta raboty. Posobie dlia uchitelei. Leningrad,
Uchpedgiz, 1963. 137 p.

BOCHAROV, S. G. [L. Tolstoi's novel "War and peace"]
Roman L. Tolstogo "Voina i mir." Moskva, Goslitiz-
dat, 1963. 140 p. (Massovaia istoriko-literaturnaia
biblioteka)

BRYZGUNOVA, E. A. [Practical phonetics and intona-
tion in Russian, textbook for teachers working with
foreigners] Prakticheskaia fonetika i intonatsiia rus-
skogo iazyka, posobie dlia prepodavatelei, zaniman-
shchikhsia s inostrantsami. [Moskva] Izd-vo Mosk.
univ., 1963. 305 p.

BURKATOV, B. A. [When you are over seventeen, a
play] Koly mynaie simnadtsiat', p'iesa. Kyiv, Derzh-
litvydav URSR, 1963. 89 p.
(MH)

BYLINOV, A. I. [Reserve regiment, a tale] Zapasnyi
polk, povest'. Moskva, Voenizdat, 1963. 170 p.

BYTOVOI, S. M. [Daurian treasure house] Daurskaia
zhemchuzhnitsa. Leningrad, Detgiz, 1959. 163 p.
(IEN)

CHIKOVANI, M. IA., ed. [Stories and legends. Trans-
lated from the Georgian] Skazaniia i legendy. Tbilisi,
Izd-vo SP Gruzii "Zaria Vostoka," 1963. 319 p.
(Sokrovishcha gruzinskogo narodnogo tvorchestva)

[CRIMEAN LEGENDS] Legendy Kryma. [Izd. 4., dop.
Simferopol'] Krymizdat, 1963. 263 p.

DARONIAN, S. K. [Mirza Ibragimov's prose] Proza
Mirzy Ibragimova. Baku, Azerbaidzhanskoe gos. izd-
vo, 1958. 193 p.
(NNC)

DEMENT'EV, V. V. [Poets born of the land, literary
criticism] Poety ot zemli; literaturno-kriticheskie
ocherki. Moskva, Sovetskaia Rossiia, 1963. 222 p.
(Literaturnaia Rossiia)

D'IAKOV, B. A., and M. PENKIN. [Man leaving time
behind, a tragedy in four acts] Chelovek, operedivshii
vremia; tragediia v chetyrekh deistviiakh. Moskva,
Iskusstvo, 1963. 85 p.
(NIC)

DMYTERKO, LIUBOMYR. [Years, dreams, meditations;
selected works in two volumes] Roky, mrii, rozdumy;
vybrane v dvokh tomakh. Kyiv, Derzhlitvydav Ukrainy,
1963. 2 v.

DOKUSOV, A. M. [N. V. Gogol's dramaturgy] Dramatur-
giia N. V. Gogolia, lektsiia. Leningrad, Leningrad-
skii gos. pedagog. in-t, 1962. 46 p.
(MH)

DOLETSKAIA, I. I. [Soviet poetry in school] Sovetskaia
poeziia v shkole. Pod red. E. G. Savchenko. Moskva,
Izd-vo APN RSFSR, 1963. 63 p.

[THE DON RAPIDS, essays on heroes of our day] Don-
skaia bystrina, ocherki o geroiakh nashikh dnei.
[Rostov-na-Donu, Rostovskoe knizhnoe izd-vo, 1961]
337 p.
(NNC)

DROZDOV, S. S. [We have to go farther; a tale] Nam
ekhat' dal'she, povest'. Stavropol', Knizhnoe izd-vo,
1962. 97 p.
(MH)

DRUZHBA NARODOV. [The October Revolution in
Russia, supplement to the magazine "Druzhba
narodov"] Oktiabr' v Rossii, prilozhenie k zhurnalu
"Druzhba narodov." Moskva, Izd-vo "Izvestiia,"
1963. 841 p. (Biblioteka istoricheskikh romanov
narodov SSSR)

DRUZHININ, V. N. [Tomorrow will be too late, tales]
Zavtra budet pozdno, povesti. [Moskva] Molodaia
gvardiia, 1963. 223 p.
(MH)

DUDINTSEV, V. [Stories] Rasskazy. [Moskva] Mos-
kovskii rabochii, 1963. 243 p.

EL'IASHEVICH, A. P. [Real and imaginary heroes,
literary criticism] Geroi istinnye i mnimye, litera-
turno-kriticheskie stat'i. Moskva, Sovetskii pisatel',
1963. 402 p.

ELKSNE, ARIJA. [For you, my country! (poems)]
Uz tavu veselibu, zemel' [dzejoli]. Riga, Latvijas
valsts izd-ba, 1963. 94 p. [In Latvian]

ERIKEEV, A. F. [The pearl, verse, songs, and a poem.
Translated from the Tatar] Zhemchuzhina; stikhi,
pesni, poema. Moskva, Sovetskii pisatel', 1961.
120 p.
(KU)

FEDIUKOVA, N. F. [S. N. Sergeev-TSenskii's epic work
"The Transfiguration of Russia"] Epopeia S. N. Serge-
eva-TSenskogo "Preobrazhenie Rossii." Minsk, Izd-
vo M-va vysshego, srednego spetsial'nogo i profes-
sional'nogo obrazovaniia BSSR, 1963. 90 p.
(RPB)

FEDORENKO, L. P. [Methods of teaching Russian in
evening (staggered) schools; grades 5-8] Metody
obucheniia russkomu iazyku v vechernei (smennoi)
shkole, V-VIII klassy. Moskva, Izd-vo Akad. pedagog.
nauk RSFSR, 1961. 117 p.
(CtY)

[FELLOW COUNTRYMEN, a collection of literary and
journalistic works] Zemliaki, sbornik literaturno-
khudozhestvennykh i publitsisticheskikh proizvedenii.
[Kaluga] Kaluzhskoe knizhnoe izd-vo, 1963. 214 p.
(MH)

[FIFTY-FOUR ROADS; autobiographies of White Russian
writers] Piats'dziesiat chatyry darohi; autabiiagrafii
belaruskikh pis'mennikau. Minsk, Redaktsyia mastats-
kai lit-ry, 1963. 550 p. (Dziarzhaunae vydavetstva
BSSR)

FOKHT, U. R. [Paths of Russian realism] Puti rus-
skogo realizma. Moskva, Sovetskii pisatel', 1963.
262 p.

FOLMANIS, ZANIS. [Love and hatred, a novel] Milestiba
un naids; romans. Riga, Latvijas valsts izd-ba, 1963.
584 p. [Publ. under his pseud. Zanis Griva. In
Latvian]
(MH)

[FRIENDSHIP AMONG NATIONS IN THE LITHUANIAN
AND RUSSIAN LITERATURES] Tautu draugyste
lietuviu ir rusu literaturose, straipsniu rinkinys.
Vilnius, Valstybine politines ir mokslines lit-ros
leidykla, 1963. 307 p. [In Lithuanian]

FROST, ROBERT. [From nine books. Translated from the English] Iz deviati knig. Moskva, Izd-vo inostr. lit-ry, 1963. 142 p. [Preface by M. A. Zenkevich]

GAIDAR, ARKADII [Selected works in two volumes] Izbrannye proizvedeniia v dvukh tomakh [Leningrad] Lenizdat, 1963. 2 v.

GANIEV, F. A. [Aspectual characteristics of Tatar verbs] Vidovaia kharakteristika glagolov tatarskogo iazyka. problema glagol'nogo vida v tatarskom iazyke. Kazan', Tatarskoe knizhnoe izd-vo, 1963. 179 p.

[A GARLAND FOR TARAS SHEVCHENKO, stories] Vinok Tarasovi Shevchenku, opovidannia. Kyiv, Radians'kyi pys'mennyk, 1963. 227 p.
(CaOTO)

[GARLANDS FOR OUR GREAT BARD] Vinok velykomu kobzarevi. Kyiv, Radians'kyi pys'mennyk, 1961. 485 p.

GASANOVA, S. M. [The verb in the Dargwa language] Glagol v darginskom iazyke. Makhachkala, Izd-vo Akad. nauk, 1962. 248 p.
(MH)

GAVRIN, S. G. [Studying the phraseology of Russian in schools, teachers' aid] Izuchenie frazeologii russkogo iazyka v shkole, posobie dlia uchitelia. Moskva, Uchpedgiz, 1963. 149 p.

GERASIMOVA, A. S., and G. F. GIBS. [Afghan literature, a brief study] Literatura Afganistana, kratkii ocherk. Moskva, Izd-vo vostochnoi lit-ry, 1963. 192 p. (Literatura Vostoka)

GLUKHOV, A. G. [Ballad of descent, stories] Ballada o desante, rasskazy. Moskva, Voenizdat, 1933. 123 p.

GONCHAROV, I. A. [Oblomov, a novel in four parts] Oblomov, roman v chetyrekh chastiakh. Leningrad, Detgiz, 1963. 603 p. (Shkol'naia biblioteka)

GORBACHEVSKII, I. I. [Notes. Letters] Zapiski. Pis'ma. Izd. podg. B. E. Syroechkovskii, L. A. Sokol'skii, I. V. Porokh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 352 p. (Literaturnye pamiatniki)

GOR'KII, MAKSIM. [Literary portraits] Literaturnye portrety. [Moskva] Molodaia gvardiia, 1963. 571 p. (Zhizn' zamechatel'nykh liudei. Serita biografii, no. 1(358))

GORSKAIA, G. I. [New methods in teaching Russian, from work practices of a teacher in the city of Lipetsk] Novoe na urokakh russkogo iazyka, iz opyta raboty uchitelia g. Lipetska. Moskva, Uchpedgiz, 1963. 214 p.

GRIUNBERG, A. L. [The Tat language in northern Azerbaijan] IAzyk severoazerbaidzhanskikh tatov. Leningrad, Izd-vo Akad. nauk SSSR, 1963. 208 p.

GROZNY. CHECHENO-INGUSHSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT IAZYKA I ISTORII. [Chechen-Ingush-Russian dictionary] Chechensko-ingushsko-russkii slovar'. Sost. A. G. Matsiev i dr. Groznyi, Checheno-ingushskoe knizhnoe izd-vo, 1962. 197 p.

GRYBAS, VLADAS. [Turn green, grow] Zaliuoki, auki. Vilnius [Valstybine grozines lit-ros leidykla] 1962. 57 p. [In Lithuanian]
(MH)

GUSEV, B. S. [His own shirt, ..] Svoia rubashka, . Moskva, Izd-vo "Sovetskaia Rossiia," 1963. 30 p. (Rasskazy o krasote dushevnoi)

GUZHEL', ANATOLIE. [Dreamers, verse. Mechtateli, stikhi. Kishinev, Kartia moldovenaske, 1963] 95 p. (In Moldavian)
(MH)

[HAPPY NEW YEAR! A repertory collection] Novyi Rik! Repertuarnyi zbirnik. Kyiv, Derzh. vyd-vo "Mystetstvo," 1963. 184 p.

[HELLENIC POETS; in the translations of V. V. Veresaev] Ellinskie poety; v perevodakh V. V. Veresaeva. Moskva, Goslitizdat, 1963. 406 p. (Biblioteka antichnoi literatury: Gretsiia)

HERTSOVICH, IAKAU. [Heroes and our times, literary criticism] Heroi i suchasnasts', literaturna-krytychnyia artykuly. Minsk, Dziarzh. vyd-va BSSR, 1963. 237 p.

HERTZEN, A. I. [Collected works in thirty volumes] Sobranie sochinenii v tridtsati tomakh. Moskva, Izd-vo Akad. nauk SSSR.
Vol 27, Book 2. [Letters, 1860-1864] Pis'ma 1860-1864 godov. 1963. 999 p.

HRYMAILO, IA. V. [Knight of the Order of Glory, a novel] Kavaler ordena Slavy, roman. Kyiv, Molod', 1955. 355 p. illus.
(MH)

IAKYMENKO, H. KH. [Love and life, a story] Liubov i zhyttia, opovidannia. Kyiv, Derzhlitvydav, 1963. 176 p.
(MH)

[IN STEP WITH LIFE; stories and sketches] V nogu s zhizn'iu; rasskazy i ocherki. Cheboksary, Chuvashskoe knizhnoe izd-vo, 1963. 158 p.
(MH)

[IN V. G. BELINSKII'S HOMELAND] Na Rodine V. G. Belinskogo, sbornik. [Penza] Penzenskoe knizhnoe izd-vo, 1961. 84 p.
(MiDW)

INBER, V. M. [April, verse about Lenin] Aprel', stikhi o Lenine. Moskva, Detgiz, 1963. 45 p.

[INTONATION] Zapev. Ul'ianovsk, Ul'ianovskoe knizhnoe izd-vo, [1962] 52 p.
(MH)

ISMATULLAEV, M. F. [Direct object in the present-day Tajik language. Priamoe dopolnenie v sovremennom tadzhikskom iazyke] Stalinabad, Tadzhikuchpedgiz, 1961. 63 p. [In Tajik]
(MH)

IUNITSKAIA, MARINA [Meetings and partings] Vstrechi razluki. [Briansk] Brianskii rabochii, 1962. 47 p.
(NIC)

IVANOVSKII, G. I., and L. R. FRUMKIN. [P. V. Zasodimskii in our territory] P. V. Zasodimskii v nashem krae. [Novgorod] Novgorodskaia pravda, 1962. 47 p.
(MH)

IVASHEVA, V. V. [Contemporary English literature] Sovremennaia angliiskaia literatura. [Moskva] Izd-vo Moskovskogo univ., 1963. 122 p.

KABO, L. R. [Tale about Boris Bekleshov] Povest' o Borise Bekleshove. Moskva, Sovetskii pisatel', 1963. 389 p.

KAGARLITSKII, IU. I. [Herbert Wells; an account of his life and works] Gerbert Uells; ocherk zhizni i tvorchestva. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 276 p.

KALEVIPOEG. [Kalevipoeg, textual-critical edition with commentary and other appendices] Kalevipoeg; tekstikriitiline valjaane uhes kommentaaride ja muude lisadega. [By] F. R. Kreutzwald. Tallinn, Eesti Riiklik Kirjastus.
Vol. 2. 1963. 511 p. [Parallel texts in Estonian and German]

KAZEKA, IANKA. [Inspiration and talent, literary criticism] Natkhnenne i maisterstva, litaraturna-krytychnyia artykuly. Minsk, Dziarzh. vyd-va BSSR, 1963. 176 p.

KEZHUN, BRONISLAV. [Cherished fires; new verse] Zavetnye ogni; novye stikhi. Leningrad, Sovetskii pisatel', 1962. 110 p.
(NN)

KHAIDOV, ALLABERDY. [Signs of spring; verse. Translated from the Turkmen] Primety vesny; stikhi. Moskva, Sovetskii pisatel', 1962. 96 p.
(MH)

KHANAZAROV, K. KH. [National languages and the drawing together of the nationalities in the U. S. S. R.] Sblizhenie natsii i natsional'nye iazyki v SSSR. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1963. 240 p.

KHARISOV, SHAVKAT. [In quest of happiness] V poiskakh schast'ia. Dushanbe, Tadzhikgosizdat, 1962. 234 p.
(NIC)

KHOLOPOV, G. K. [True stories about war] Pravdivye rasskazy o voine. Moskva, Voen. izd-vo [illegible] 191 p.
(NIC)

KIRIASHCHEV, VIKTOR [Sea gull, tragedy of the land of the Volga] Chaika, volzhskaia tragediia. [Kostroma] Kostromskoe knizhnoe izd-vo, 1962. 47 p.
(NIC)

KHROPKO, P. P. [Ivan Petrovych Kotliarevs'kyi, literary portrait] Ivan Petrovych Kotliarevs'kyi, literaturnyi portret. Kyiv, Derzh. vyd-vo Khudozh. lit-ry, 1961. 101 p.

KHVEDAROVICH, MIKOLA, pseud. [Memorable meetings] Pamiatnyia sustrechy. Vyd. 2, dop. Minsk, Dziarzh. vuchebna-pedagog. vyd-va MP RSFSR asvety BSSR, 1963. 256 p.

KLIMENCHENKO, IU. D. [Inhospitable sea, a tale] Neulutnoe more, povest'. [Leningrad, Izd-vo [illegible] 309 p. (Bibliotechka sovremennoi prozy)
(NIC)

KOCHOIAN, A. K. [Dictionary of Armenian [illegible] Sayat'-Nova] Slovar' armianskikh pesennykh [illegible] Erevan, Izd-vo AN Armianskoi SSR, 1963. [illegible] [In Armenian]

KOKLIANOVA, A. A. [Category of tense in [illegible] Uzbek] Kategoriia vremeni v sovremennom [illegible] skom iazyke. Moskva, Izd-vo Akad. nauk [illegible] 122 p.

KOLESNIKOV, M. S. [Fearless, a tale] Neustrash[illegible] povest'. Moskva, Voenizdat, 1963. 270 p.

KOLOS, GEORGII. [Contemporaries with and [illegible] make-up; sketches and articles] Sovremenniki s grimo i bez grima, ocherki i publitsistika. [illegible], Gosizdat BSSR, 1963. 211 p.

KOLPAKOVA, N. P., and others, comps. [Songs of Pechora] Pesni Pechory. Moskva, Izd-vo Akad. nauk SSSR, 1963. 458 p. (Pamiatniki russkogo fol'klora)
(MiU)

KOSTENKO, K. P. [That was in Krasnodon] [illegible] Krasnodone. Izd. 2., dop. [Moskva] Izd-vo [illegible] VLKSM "Molodaia gvardiia", 1963. 231 p.

KOTOVA, A. F. [The interrogative sentence [illegible] Chinese; the definite-alternative question] [illegible]-noe predlozhenie v sovremennom kitaiskom iazyke; opredelenno-alternativnyi vopros. [Moskva] Izd-vo Mosk. univ., 1963. 83 p.

KOZHEVNIKOV, V. M. [Get acquainted, Baluev! Stories] Znakom'tes', Baluev; povesti. [illegible] Moskva, Gos. izd-vo khudozh. lit-ry, 1963. [illegible]
(NIC)

KOZLOV, I. A. [Life in a struggle] Zhizn' v [illegible] Simferopol', Krymizdat, 1963. 500 p.

KRAKHMALEVA, N. V. [Wind of the blizzard, a tale] Veter sinikh vysot; povest'. Stalino, [illegible] izd-vo Stalino-Donbas, 1961. 155 p.
(KU)

KRASHENINNIKOV, A. D. [Torch] Plamia. [illegible] Permskoe knizhnoe izd-vo, 1962. 84 p.
(NIC)

KRAVCHENKO, IE. S. [Spring thunderstorms, a [illegible] comedy] Vesniani brozy; muzychna komediia [illegible] Derzhlitvydav, 1963. 100 p.
(MH)

KROSS, JAN. [Notches on rocks, verse. Translated from the Estonian] Zarubki na skalakh, [illegible] skva, Sovetskii pisatel', 1962. 103 p.
(NNC)

KUBILIUS, V. J. Mačys-Kekštas. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1963. 24 p. [In Lithuanian]
(CtY)

KUMMING, G. F. [Rubies on opal; trilogy of [illegible] IAkhonty na opale, trilogiia emigranta. Moskva, [illegible] 214 p.

KUPREIANOVA, V. N. [The plural of words derived from Latin and Greek in the English language] Mnozhestvennoe chislo slov latinskogo i grecheskogo proiskhozhdeniia v angliiskom iazyke Novosibirsk, Izd-vo Sibirskogo otd-nie Akad. nauk SSSR, 1962. 74 p.
(MH)

KURBANNEPESOV, KERIM. [Bitter days, sweet days, poems. Dni gor'kie, dni sladkie; poema. Ashkhabad, Turkmengosizdat] 1962. 138 p. [In Turkmen]
(MH)

KUTUZOV, A. I. [Dictionary of Russian-Swahili newspaper lexicon] Slovar' russko-suakhili gazetnoi leksiki. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1963. 174 p.

LANDO, I. I. [Signs of the beloved, verse] Primety liubimoi, stikhi. [Penza] Penzenskoe knizhnoe izd-vo, 1962. 63 p.
(MH)

LARCHANKA, M. H. [The Slavic community] Slavianskaia supol'nasts'. Minsk, Vyd-va M-va vysheishai, siaredniai spetsyial'nai i prafessial'nai adukatsyi BSSR, 1963. 237 p.

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Valodas un literaturas instituts. [History of Latvian literature in six volumes] Latviesu literaturas vesture sesos sejumos. Riga, Latvijas PSR Zinatnu akad. izd-ba. [In Latvian]
Vol. 3. [Period of the New Trend from the late 1880's to the beginning of the 20th century] Jaunas stravas periods no 19. gs. 80. gadu beigam lidz gadsimtu mijai. 1956. 570 p.
Vol. 4. [Period of the bourgeoise democratic revolutions from the beginning of the 20th century to 1917] Burzuaziski demokratisko revoluciju periods no. 20. gs. sakuma lidz 1917. gadam 1957. 787 p.

LENINGRAD. UNIVERSITET. [N. A. Dobroliubov, critic and historian of Russian literature] N. A. Dobroliubov - kritik i istorik russkoi literatury. [Leningrad] 1963. 171 p.

LENINGRAD. UNIVERSITET. [Soviet press in our times] Sovetskaia pechat' v nashi dni. [Leningrad] 1963. 198 p.

LEONT'EV, A. A. [Origin and primary development of language] Vozniknovenie i pervonachal'noe razvitie iazyka. Moskva, Izd-vo Akad. nauk SSSR, 1963, 137 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

[LIBRARY OF WORKS BY SOVIET WRITERS IN FIVE VOLUMES, supplement to the periodical "Sel'skaia molodezh'."] Biblioteka proizvedenii sovetskikh pisatelei v 5 tomakh, prilozhenie k zhurnalu "Sel'skaia molodozh'." Moskva, Molodaia gvardiia.
Vol. 3. Serebriakova, Galina. [One of you, a tale. Happy girl, a tale by Irina Levchenko. I forgot the silence; a novel by Sviatoslav Proshin] Odna iz vas, povest. Schastlivaia, povest' [by] Irina Levchenko. Zabyl tishinu; roman [by] Sviatoslav Proshin. 1963. 462 p.

LIETUVOS TSR MOKSLU AKADEMIJA, Vilna. Centrine biblioteka. [Lithuanian linguistics, 1944-1960; a bibliographic index] Lietuviu kalbotyra, 1944-1960; [bibliografine rodykle]. Vilnius, Laicrasciu ir zhurnalu leidykla, 1963. 279 p. [In Lithuanian]

LIFSHITS, V. A. [Cranberries in sugar; satirical and humorous verse, stories, and parodies] Klukva v sakhare; satiricheskie i iumoristicheskie stikhi, rasskazy, parodii. Moskva, Sovetskii pisatel', 1963. 115 p.
(NIC)

LILINA, M. E. [Millions in a cave; a tale in pamphlet form] Millony v peshchere; povest'-pamflet. Moskva, Sovetskaia Rossiia, 1963. 230 p.

LISIANSKII, M. S. [Army postal service; verse and songs] Pochta polevaia, stikhi i pesni. Moskva, Voenizdat, 1963. 105 p.
(MH)

[LITERATURE OF OUR TIMES, a collection of articles and reviews] Litaratura nashykh dzen; zbornik artykulau i retsenzii. Minsk, Dziarzh. vyd-va BSSR, 1963. 245 p.

LUCHUK, V. I. [The flames engulf me, verse] Polum'ia mene ovilie, poezii. Kyiv, Derzhlitvydav, 1963. 70 p
(MH)

MAGIDSON-STAPANOVA, G. K., ed. [Collection of adventure stories; an English language reader for students in the 10th class of secondary schools] Sbornik prikliuchencheskikh rasskazov, kniga dlia chteniia na angliiskom iazyke dlia uchashchikhsia X klassa srednei shkoly. Moskva, Gos. uchebno-pedagog. izd-vo, 1963. 91 p.
(NcD)

MAKHATOV, V. B. [Problems of socialist realism in Buryat literature, problems in the development of its prose] Problemy sotsialisticheskogo realizma v buriatskoi literature, nekotorye voprosy razvitiia prozy Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 101 p.
(MH)

MARTYNOV, A. N. [Stars not from the heavens, a novel] Ne s neba zvezdy, roman. [n. p.] Donetskoe knizhnoe izd-vo, 1963. 353 p.

MASHKOVTSEV, V. I. [Anxious love, verse and poems] Liubov' trevozhnaia, stikhi i poemy. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1963. 87 p.
(MH)

MASLO, M. K. [In the name of the powers; verse and poems] Vid imeni sili vishi ta poemy. Kyiv, Derzhlitvydav, 1963. 186 p.
(MH)

MASS, V. Z., and N. KULICHENKO. [Orchards are in bloom; a vaudeville in 4 acts] Sady tsvetut; vodevil' v 4 deistviiakh. Moskva, Otdel rasprostraneniia dramaticheskikh proizvedenii VUOAP, 1955. 78 l.
(CaOTU)

MEDVEDEV, V. P. [Studying epic poetry in school] Izuchenie epicheskogo proizvedeniia v shkole; iz opyta. Moskva, Uchpedgiz, 1963. 87 p. (Iz opyta uchitelia)

MEDYNSKII, G. A., and V. E. PETROV. [Rule over your happiness, a tale in the original letters] Povelevat schast'em; povest' v podlinnykh pis'makh. Moskva, Politizdat, 1963. 62 p. (Vremia i liudi)

MESHCHANINOV, I. I. [Structure of the sentence] Struktura predlozhenila. Moskva, Izd-vo Akad. nauk SSSR, 1963. 103 p.

MIKHALKOV, S. V. [Uncle Stepa] Diadia Stepa. [Moskva] Detgiz, 1963. 1 v. illus.

MOROZOV, N. I. [Forty years with Gilliarovskii] Sorok let s Gilliarovskim [Moskva] Moskovskii rabochii, 1963. 141 p.

MOSCOW. MOSKOVSKII GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Kafedra russkoi literatury. [History of 19th century Russian literature] Istoriia russkoi literatury XIX veka. Pod red. F. M. Golovenchenko i S. M. Petrova. Izd. 2. Moskva, Uchpedgiz.
Vol. 1. 1963. 727 p.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. [Russian writers of the second half of the 19th and beginning of the 20th century (to 1917); a recommended list] Russkie pisateli vtoroi poloviny XIX — nachala XX vv. (do 1917 goda); rekomendatel'nyi ukazatel' literatury. Moskva.
Pt. 3. 1963. 488 p.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. [Soviet literature, 1962; a recommended reading list] Sovetskaia literatura, 1962; rekomendatel'nyi ukazatel'. Moskva, 1963. 123 p. (Novinki khudozhestvennoi literatury)

MOSCOW. UNIVERSITET. Podgotovitel'nyi fakul'tet dlia inostrannykh grazhdan. [Theory and methods of teaching Russian to foreigners] Voprosy teorii i metodiki prepodavaniia russkogo iazyka inostrantsam, sbornik statei. [Moskva] Izd-vo Mosk. univ., 1963. 245 p.

MOSCOW. VSESOIUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. [Paul Eluard; a biobibliography] Pol' Eliuar, biobibliograficheskii ukazatel'. Moskva, Otdel izdanii BGBIL, 1963. 118 p. (Pisateli zarubezhnykh stran)

MOSTSEEV, V. M. [Lieutenants begin to serve] Leitenanty nachinaiut sluzhbu. Moskva, Voenizdat, 1963. 119 p.

OGNEVSKII, L. L. [On another day, a novel] Na drugoi den', roman Izd. 2, ispr. i dop. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963. 343 p.
(MH)

OHLOBLYN-HLOBENKO, MYKOLA. [Literary heritage] Z literaturoznavchoi spadshchyny. Paris, Natsionalistychne vyd-vo v Evropi, 1961. 246 p. [With summary in French]
(CoU)

[OL'HA KOBYLIANS'KA IN CRITICISM AND REMINISCENCES] Ol'ha Kobylians'ka v krytytsi ta spohadakh. Kyiv, Derzhlitvydav Ukrainy, 1963. 559 p.

[ORDINARY PEOPLE, stories and verse] Obyknovennye liudi; rasskazy i stikhi. [Kalinin] Kalininskoe knizhnoe izd-vo, 1962. 155 p.
(NIC)

OSTROVSKII, A. N. [The thunderstorm, drama in five acts supplemented by N. A. Dobroliubov's article "Ray of light in the kingdom of darkness"] Groza, drama v piati deistviiakh s prilozheniem stat'i N. A. Dobroliubova "Luch sveta v temnom tsarstve." Moskva, Detgiz, 1963. 108 p. (Shkol'naia biblioteka)

OSTROVS'KYI, H. S. [Ivan Franko and the fine arts] Ivan Franko i obrazotvorche mystetstvo. Kyiv, Mystetstvo, 1963. 65 p. illus.

PADERIN, G. N. [Clouds below us] Oblaka nizhe nas. Moskva, Izd-vo "Znanie," 1963. 43 p. (Novoe v zhizni, nauke, tekhnike. X Seriia Molodezhnaia, no. 19)

PALEI, IA. B., and V. K. IUST'OV, comps. [Concise Russian-Chinese dictionary] Kratkii russko-kitaiskii slovar'. Okolo 16000 slov. Izd. 4, perer. Moskva, Gos. izd-vo inostr. i natsional'nykh slovarei, 1963. 590 p.

PAPERNYI, Z. S. [The most difficult, articles, reviews, feuilletons] Samoe trudnoe' stat'i, retsenzii, fel'etony. Moskva, Sovetskii pisatel', 1963. 463 p.

PATRUS-KARPATS'KYI, A. M. [Eagle's cradle; verse and poems] Kolyska orliyna; virshi ta poemy. Kyiv, Dorzh. vyd-vo khudozh. lit-ry, 1963. 161 p.
(CaOTU)

PEEP, HARALD. [Remarks on lyric poetry] Luulikast. Tallinn, Eesti Riiklik Kirjastus, 1963. 57 p. (Kultuurilukool) [In Estonian]

PERM. UNIVERSITET. [Works of A. P. Chekhov, jubilee volume of "Uchenye zapiski" issued by the Philology Department] Tvorchestvo A. P. Chekhova, iubileinyi vypusk "Uchenykh zapisok" filologicheskogo fakul'teta. Perm', 1961. 101 p.

PETRARCA, FRANCESCO. [Book of songs. Translated from the Italian] Kniga pesen'. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 105 p. (Sokrovishcha liricheskoi poezii)
(NN)

PINIAEV, I. D. [Enchantress; a story] Volshebnitsa; rasskaz. Saransk, Mordovskoe knizhnoe izd-vo, 1960. 13 p.
(KU)

POLEVOV, I. I. [My home near Moscow; verse] Podmoskov'e moe, stikhi. [Tula] Tul'skoe knizhnoe izd-vo, 1963. 61 p.
(MH)

POMOZOV, IU. F. [In the land of the Upper Volga] Verkhnevolzh'e. Moskva, Sovetskii pisatel', 1963. 340 p.

POP, V. S. [Iurii Holda; a literary criticism] Iurii Holda; literaturno-krytychnyi narys. Kyiv, Radians'kyi pys'mennyk, 1963. 188 p.
(NN)

PREOBRAZHENSKAIA, E. P., and L. F. RYNDINA. [Exercises in speech development during the study of grammar] Uprazhnenila po razvitiiu rechi pri izuchenii grammatiki; iz opyta raboty. Posobie dlia uchitelei. Leningrad, Uchpedgiz, 1963. 131 p.

PROKUSHEV, IU. L. [Esenin's youth] IUnost' Esenina. Moskva, Moskovskii rabochii, 1963. 191 p.

PUTINTSEV, V. A. [Herzen in Moscow and its environs] Gertsen v Moskve i Podmoskov'e. [Moskva] Moskovskii rabochii, 1963. 150 p.

PUTINTSEV, V. A. [N. P. Ogarev, his life, world outlook, and works] N. P. Ogarev, zhizn', mirovozzrenie, tvorchestvo. Moskva, Izd-vo Akad. nauk SSSR, 1963. 256 p.

RAPOV, M. A. [Dawn over Rus, a tale of the years leading Rus up to the Battle of Kulikovo] Zori nad Rus'iu, povest' let, privedshikh Rus' na Kulikovo pole. 3., ispr. izd. [Yaroslavl', Yaroslavskoe knizhnoe izd-vo, 1962. 2 v.
(CaOTU)

REGISTAN, G. G. [The heart; verse, songs, and a poem] Seridtse, stikhi, pesni, poema. Moskva, Izd-vo "Sovetskaia Rossiia," 1963. 108 p.
(NIC)

ROGAL', N. M. [At sunrise, a novel] Na voskhode solntsa, roman. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1962. 535 p.
(NIC)

ROMAN, MIKHAIL. [After the workday, verse. Posle trudovogo dnia, stikhi. Kishinev, Kartia moldovenialske] 1962. 81 p. (Pervaia kniga) [In Moldavian]
(MH)

ROZUM, V. H. [Along the roads of our bard] Shliakhamy Kobzaria. [Kyiv] Kyivs'ke obl. knyzhkovo-hazetne vyd-vo, 1963. 140 p.

RUBEN, B. S. [After the war, a tale] Posle voiny, povest'. Moskva, Voenizdat, 1963. 164 p.

RUBTSOVA, L. G. [With a song in my heart, verse] S pesnei v seridtse, stikhi. [Krasnoiarsk] Krasnoiarskoe knizhnoe izd-vo, 1962. 110 p.
(MH)

RYBAK, N. S. [Side by side, stories] Poruch z namy, opovidannia. Kyiv, Radians'kyi pys'mennyk, 1963. 324 p.
(MH)

SAKSE, ANNA. [Collected works in six volumes] Kopoti raksti sesos sejumos. Riga, Latvijas valsts izd-ba, [In Latvian]
Vol. 5. 1963. 482 p.

SAMAL', A. I. [Some issues in the popular philosophy of life in pre-evolutionary White Russian folklore] Nekotoryye voprosy mirovozzrenila naroda v belorusskom dorevoliutsionnom fol'klore. Pod red. I. N. Lushchitskogo. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 62 p.

SANOV, L. S. [Where to look for the beautiful; literary criticism] De shukaty prekrasne, literaturno-krytychny statti. Kyiv, Radians'kyi pys'mennyk, 1962. 347 p.
(NN)

SAYAT'-NOVA. [Collected songs. Sbornik pesen. Erevan, Armianskoe gos. izd-vo] 1963. 346 p. [In Armenian]

SAYAT'-NOVA. [Lyric poetry. Translated from the Armenian, Georgian, and Azerbaijani] Lirika. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 279 p.

SEITLIEV, KARA. [Unusual eyes. Authorized translation from the Turkmen] Neobyknovennye glaza. [Moskva] Molodaia gvardiia, 1962. 60 p.
(MH)

SEREBRIAKOV, GENNADII. [An opening in the forest, verse] Proseka, stikhi. [Ivanovo, Ivanovskoe knizhnoe izd-vo, 1963] 83 p.
(MH)

SEREBRIAKOV, I. D. [Panjabi literature; a brief study] Pendzhabskaia literatura; kratkii ocherk. Moskva, Izd-vo vostochnoi lit-ry, 1963. 191 p. (Literatura Vostoka)

SHANSKII, N. M. [Etymological dictionary of the Russian language] Etimologicheskii slovar' russkogo iazyka. [Moskva] Izd-vo Mosk. univ.
Vol. 1. No. 1. A. 1963. 196 p.

SHAPOVALENKO, N. N. [Doctor Voronov, a drama in 4 acts from the 1905 period] Doktor Voronov; drama v 4 deistviiakh iz epokhi 1905 goda. Moskva, Otdel rasprostraneniia dramaticheskikh proizvedenii VUOAP, 1955. 76 l.
(CaOTU)

SHCHERBAKOV, A. N. [Morning brings cares, a tale and stories] Utro prinosit zaboty, povest' i rasskazy. Moskva [Voen. izd-vo] 1962. 271 p.
(NIC)

SHEKHTER, D. [Testimony, sketches and stories. Mesturile, ocherki i rasskazy. Kishinev, Kartia moldovenialske] 1963. 118 p. [In Moldavian]
(MH)

SHEVCHENKO, T. H. [Complete collected works] Povne vydannia tvoriv. Za red. Bohdana Kravtseva. Chicago, Vyd-vo Mykoly Denysiuka.
Vol. 4. [Verse, 1847-1861. With supplementary verse and poems, and other publications, 1815-1860] Poezii 1857-1861 rr. Z dodatkom poezii i poem iz inshykh redaktsii 1845-1860 rr. 1962. 399 p.
Vol. 11. [Shevchenko as painter, engraver, and sculptor] Shevchenko - maliar, graver i skul'ptor. Pratsi Dmytra Antonovycha i Pavla Zaitseva z peredmovoiu Bohdana Kravtseva. 1963. 352 p. 62 plates.
Vol. 12. [Shevchenko's poetry translated into foreign languages] Poezilia Shevchenka chuzhymy movamy. Za red. i z stattiamy Bohdana Kravtseva. 1963. 455 p.
Vol. 13. [Shevchenko and his works] Shevchenko i ioho tvorchist', zbirnyk prats' i statteі. Za red. Bohdanan Kravtseva. 1963. 303 p.

SHISHKAN, K. B. [Twenty steps to an encounter, short stories] Dvadtsat' shagov navstrechu, novelly. [Kishinev] "Kartia moldovenialske," 1962. 113 p.
(NIC)

SHMIDT, BORIS. [Field pack] Pokhodnaia sumka. Petrozavodsk, Kareľskoe knizhnoe izd-vo, 1962. 88 p.
(NIC)

SHYIAN, ANATOL'. [Mar'iana; a tale and stories] Mar'iana, povist' ta opovidannia. [Vyd. 3.] Kyiv, Radians'kyi pys'mennyk, 1962. 351 p.
(CaOTU)

SKODZIUS, PETRAS. [Solemn reconciliation, a satirical story] Didysis susivienijimas, satyrine apysaka. Vilnius, Valstybine grozines lit-ros leidykla, 1963. 208 p. [In Lithuanian]
(MH)

SKOPINA, K. P. [Five set out in quest of a dream; a documentary tale] Piatero otpravliaiutsia za mechtoi; dokumental'naia povest'. [Moskva] Molodaia gvardiia, 1963. 93 p.

SMIRNOV, O. P. [Touch the stars with your hand; stories] Do zvezd rukoi podat', rasskazy. Moskva, [Voenizdat] 1963. 205 p.
(MH)

SMIRNOV, S. V. [Happy character; verse of various years; lyrics, brief fables, epigrams, songs, and literary parodies] Veselyi kharakter, stikhotvoreniia raznykh let; lirika, korotkie basni, epigrammy, pesni, literaturnye parodii. Moskva, Izd-vo "Sovetskaia Rossiia," 1963. 286 p.
(CSt)

SOBKO, V. M. [Matvii's cove, a novel] Matviiv's'ka zatoka; roman. Kyiv, Radians'kyi pys'mennyk, 1962. 379 p.
(CaOTU)

SOLOV'EVA, L. N. [Introduction to English philology] Vvedenie v angliiskuiu filologiiu, metodicheskoe posobie. [Leningrad] Izd-vo Leningr. univ., 1963. 35 p. (V pomoshch' studentam vechernikh i zaochnykh vuzov).

SOROKIN, Z. A. [No, I didn't fly enough!] Net, ne otletalsia! Moskva, Izd-vo "Pravda," 1963. 44 p. (Biblioteka "Ogonek," no. 43)

[SOVIET LITERATURE; reader for grade 10] Sovet adabieti khrestomatiiasi; ishlab chikarish ta"limi beradigan urta umumli ma"lumot politekhnika mektnat maktabining 10-sinfi uchun. Toshkent, Urta va olii maktab, 1963. 514 p. [In Uzbek]

STARIKOVA, E. V. ["Russian forest" by Leonid Vikhrov and Gratsianskii] "Russkii les" Leonida Leonova, Vikhrov i Gratsianskii. Moskva, Lit-ra i khudozh. lit-ry, 1963. 117 p. (Massovaia ser. Literaturnaia biblioteka)

STRILETS', O. O. [My poetry] Moi poezii. Kyiv, Derzhlitvydav, 1963. 86 p.
(MH)

STROGANOV, V. A. [Live while you are alive] Zhivite zhivye, rasskazy. Tashkent, Goslitizdat UzSSR, 1962. 44 p. illus. (Novye rasskazy)
(MH)

STRUGATSKII, A. N., and B. N. STRUGATSKII. [The return (noon, the twenty-second century), a science fiction tale] Vozvrashchenie (polden', 22-i vek), fantasticheskaia povest'. Moskva, Detgiz, 1963. 264 p. (Biblioteka prikliuchenii i nauchnoi fantastiki)

STYKALIN, S. I., and I. K. KREMENSKAIA. [Our satiric press, 1917-1963] Sovetskaia satiricheskaia pechat', 1917-1963. Moskva, Gospolitizdat, 1963. 483 p.

SUKHAREV, A. A. [The pulse, verse] Pul's, stikhi. [Vologda] Vologodskoe izd-vo, 1962. 92 p.
(NIC)

SUKONTSEV, A. A. [Acacia behind a trellis, sonnets] Akatsiia za reshetkoi, fel'etony. Moskva, Izd-vo "Pravda," 1963. 46 p. (Biblioteka "Ogonek," no. 40)

SULAIMANOV, TURA. [Heart's desire, verse. Zor-i seridtsa, stikhi. Tashkent, Goslitizdat UzSSR, 1963. 53 p. [In Uzbek]
(MH)

SUPERANSKAIA, A. V. [The borrowing of words in practical transcription] Zaimstvovanie slov i prakticheskaia transkriptsiia. Moskva, Izd-vo Akad. nauk SSSR, 1962. 47 p.
(MH)

SUREEV, P. A. [And mother still waits, a novel] A mat' vse zhdet, roman. [Ivanovo] Ivanovskoe kn. izd-vo, 1963. 273 p.
(MH)

TAKALA, REIE. [The heart of a man, verse] Sraze cheloveka, stikhi. Petrozavodsk, Kareľskoe knizhn. izd-vo, 1962. 70 p.
(MH)

[TEN EVENINGS WITH YOUTH] 10 vecherov molodezhi. [Moskva] Molodaia gvardiia, 1963. 167 p.

TKACHENKO, V. D. [Earth rejoices in the sun, poems] Zemlia radile sontslu, poezii. Kyiv, Radians'kyi pys'mennyk, 1962. 94 p.
(CaOTU)

TOBILEVYCH, I. K. [Selected plays] Vybrani p'iesy. Kyiv, Derzhlitvydav, 1962. 445 p. [Publ. under his pseud. Karpenko-Karyi]
(MH)

TOLSTOI, A. K. [Collected works in four volumes] Sobranie sochinenii v chetyrekh tomakh. Moskva, Izd-vo khudozh. lit-ry.
Vol. 1. [Verse] Stikhotvoreniia. 1963. 788 p.

TOLSTOI, L. N. [War and peace] Voina i mir. Moskva, Izd-vo "Khudozhestvennaia lit-ra," 1963. 4 v. in 2.

TRIFONOVA, T. K. [Soviet Russian literature of the 30's] Russkaia sovetskaia literatura tridtsatykh godov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 160 p.

TSESARS'KYI, A. V. [Notes of a partisan doctor] Zapysky partyzans'koho likaria. [n.p.] Vinnyts'ke obl. knyzhkovo-gazetne vyd-vo, 1962. 347 p.

TSIMASHKOVA, L. IA. [White Russian-Bulgarian literary ties] Belaruska-Balgarskiia literaturnyia suviazi. Minsk, Vyd-va Akad. navuk BSSR, 1963. 48 p.

TSIRULIK, D. A. [The beginning of a biography, verse] Nachalo biografii, stikhi. Blagoveshchensk, Amurskoe knizhnoe izd-vo, 1961. 63 p.

TUWIM, JULIAN. [Selected poems. Translated from the Polish] Vybrani poezii. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1963. 298 p. (NN)

TYCHYNA, P. H. [The poplar harps bend, selected works] Topoli arfy hnut', vybrane. Kyiv, Derzhlitvydav, 1963. 262 p. (MH)

TYNIANOV, IU. N. Kiukhlia. Moskva, Izd-vo khudozh. lit-ry, 1964. 361 p. (Biblioteka istoricheskogo romana)

[UKRAINIAN FOLK SONGS] Kolomyiky. Kyiv, Radians'kyi pys'mennyk, 1963. 205 p. (Biblioteka poeta)

ULAN-UDE. BURIATSKII KOMPLEKSNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. [Concise Tibetan-Russian dictionary. 21,000 words] Kratkii tibetsko-russkii slovar'. 21000 slov. Sost. B. V. Semichov, IU. M. Parfionovich. B. D. Dandaron. Pod red. IU. M. Parfionovicha. Moskva, Gos. izd-vo inostr. i natsional'nykh slovarei, 1963. 581 p.

ULAN-UDE. BURIATSKII KOMPLEKSNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. [Problems of literary Buryat] Voprosy literaturnogo buriatskogo iazyka. Ulan-Ude, 1963. 122 p.

UMARBEKOV, ULMAS. [Stars; stories. Zvezdy, rasskazy. Tashkent, Goslitizdat UzSSR] 1962. 102 p. [In Uzbek] (MH)

VAINERMAN, K. A. [Spring speech, verse. Translated from the Yiddish] Vesennii govor, stikhi. Moskva, Sovetskii pisatel', 1962. 118 p. (MH)

VAKULOVSKAIA, L. A. [The snowstorm departs after a day and a night, a tale] Purga ukhodit cherez sutki, povest'. [Magadan] Magadanskoe knizhnoe izd-vo, 1963. 141 p. (MH)

VALEINIS, VITOLDS. [Poetics, the elements of literary composition] Poetika, daildarba elementi. Riga, Latvijas valsts izd-ba, 1961. 311 p. (In Latvian) (MH)

VANAGS, J. [Earth, verse] Zeme, dzeja. Riga, Latvijas valsts izd-ba, 1963. 115 p. [In Latvian]

VARTAN'IAN, E. A. [From the life of words, about Achilles' heel, Parthian arrows, the oath of Hannibal, canard, and many other winged expressions] Iz zhizni slov; ob Akhillesovoi piate, Parfianskikh strelakh, Annibalovoi kliatve, gazetnoi utke i mnogikh drugikh krylatykh vyrazheniiakh. Izd. 2., ispr. i dop. Moskva, Detgiz, 1963. 318 p.

VASYL'CHENKO, S. V. [Selected works] Vybrani tvory. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1963. 405 p. (CaOTU)

[VAUDEVILLE] Estrada. Syktyvkar, Komi knizhnoe izd-vo, 1963. 86 p.

VIL'NYI, V. M. [The ears are full of grain; sketches] Zerna povon kolos, narysy. Kyiv, Derzhlitvydav, 1962. 174 p. (MH)

VLASENKO, A. N. [Poetry of truth] Poeziia vernosti. Moskva, "Sovetskaia Rossiia," 1963. 55 p. (Literaturnaia Rossiia) (NIC)

VOINOVA, O. T. [Shevchenko days in school, a manual for teachers] Shevchenkivs'ki dni v shkoli; posibnyk dlia vchyteliv. Kyiv, Radians'ka shkola, 1963. 163, [5] p. (CaOTU)

VOLODARSKII, N. A. [Rainbow over the Pechora; verse] Raduga nad Pechoroi; stikhi. Syktyvkar, Komi knizhnoe izd-vo, 1962. 78 p. (MH)

VOROB'EV, V. P. [Daylight; stories] Dnevnoi svet; rasskazy. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1961. 124 p. (KU)

VORON'KO, P. N. [Works in two volumes] Tvory v 2-kh tomakh. Kyiv, Derzh. vyd-vo khudozh. lit-ry URSR, 1963. 2 v.

ZAHREBEL'NYI, PAVLO. [Europe '45, a novel] Evropa 45, roman. Kyiv, Radians'kyi pys'mennyk, 1962. 713 p. (NN)

ZAKHARKIN, A. F. [I. A. Goncharov's novel "Oblomov"] Roman I. A. Goncharova "Oblomov." Moskva, Uchpedgiz, 1963. 151 p.

ZALESSKII, M. P., A. I. NOVGORODOV, and A. I. NOVIKOVA. [Literary works for students of the history of the CPSU] Khudozhestvennaia literatura v pomoshch' izucheniiu istorii KPSS. Izd. 2., dop. Moskva, Politizdat, 1963. 543 p.

ZEMSKII, A. M., S. E. KRIUCHKOV, and M. V. SVETLAEV. [Russian language; textbook for normal schools] Russkii iazyk, uchebnik dlia pedagogicheskikh uchilishch. Pod red. V. V. Vinogradova. Izd. 6., ispr. Moskva, Uchpedgiz.
Pt. 1. [Lexicology, phonetics, and morphology] Leksikologiia, fonetika i morfologiia. 1963. 290 p.

ZERCHANINOV, A. A., and D. IA. RAIKHIN. [Russian literature] Russkaia literatura. Kiev, Radians'ka shkola, 1963. 343 p.

ZHURAKHOVYCH, S. M. [I see it all again; a story] Znovu vse pered ochyma; opovidannia. Kyiv, Derzhlitvydav, 1962. 217 p. (MH)

ZHURAVS'KA, L. E. [Lesia Ukrainka and foreign literatures] Lesia Ukrainka ta zarubizhni literatury. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 249 p.

ZHYLUNOVICH, ZMITSER. [Selected stories] Vybranyia apaviadanni. [Minsk, Dziarzh. vyd-va BSSR, 1962] 277 p. [Publ. under his pseud. TSishka Hartny] (MH)

ZORIN, L. G. [Friends and years; a dramatic chronicle in three parts] Druz'ia i gody, dramaticheskaia khronika v trekh chastiakh. Moskva, Sovetskaia Rossiia, 1963. 91 p. (V pomoshch' khudozhestvennoi samodeiatel'nosti, no. 20)

12. GEOGRAPHY & GEOLOGY

AGIBALOVA, V. V. [With a rucksack through the paths of the central Caucasus] S riukzakom po tropam TSentral'nogo Kavkaza. Khar'kov, Izd-vo Khar'kovskogo univ., 1963. 153 p.

AKADEMIIA NAUK SSSR. [Geochemistry, petrography, and mineralogy of sedimentary formations] Geokhimiia, petrografiia i mineralogiia osadochnykh obrazovanii. Moskva, 1963. 457 p.

AKADEMIIA NAUK SSSR. Komissiia po izucheniiu chetvertichnogo perioda. [Absolute geochronology of the Quaternary] Absoliutnaia geokhronologiia chetvertichnogo perioda. Moskva, Izd-vo Akad. nauk SSSR, 1963. 158 p.

AKADEMIIA NAUK SSSR. Komissiia po osadochnym porodam pri otdelenii geologo-geograficheskikh nauk. [Deltaic and shallow-water marine sediments] Del'tovye i melkovodno-morskie otlozheniia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 202 p.

AKADEMIIA NAUK SSSR. Laboratoriia ozerovedeniia. [Hydrology of Uspenskoye Reservoir and its water collecting basin] Voprosy gidrologii Uspenskogo vodokhranilishcha i ego vodosbora. Moskva, Izd-vo Akad. nauk SSSR, 1963. 289 p.

AKADEMIIA NAUK SSSR. Mezduvedomstvennyi komitet po provedeniiu Mezhdunarodnogo geofizicheskogo goda. [Studies of glaciers and glacial regions] Issledovaniia lednikov i lednikovykh rajonov. Moskva, Izd-vo Akad. nauk SSSR. [With summaries in English]
No. 3. 1963. 235 p.

AKADEMIIA NAUK SSSR. Otdelenie geologo-geograficheskikh nauk SSSR. [First Russian scientific studies of the Usturt] Pervye russkie nauchnye issledovaniia Ustiurta. Moskva, Izd-vo Akad. nauk SSSR, 1963. 325 p.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie, Institut vulkanologii. [Geological and geophysical studies in volcanic regions] Geologicheskie i geofizicheskie issledovaniia v vulkanicheskikh oblastiakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 165 p.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Institut zemnoi kory. [Bratsk Reservoir, engineering geology of the territory] Bratskoe vodokhranilishche, inzhenernaia geologiia territorii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 271 p.

AKADEMIIA NAUK URSR, Kiev. Ukrainskoe otdelenie Vsesoiuznogo mineralogicheskogo obshchestva. [Theoretical and genetic problems of mineralogy and geochemistry] Teoreticheskie i geneticheskie voprosy mineralogii i geokhimii. Kiev, Izd-vo Akad. nauk USSR, 1963. 165 p.

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Otdelenie geologo-khimicheskikh nauk. [Problems of the geology of Central Asia and Kazakhstan] Voprosy geologii Srednei Azii i Kazakhstana. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 148 p.

ALMA-ATA. TSENTRAL'NAIA NAUCHNAIA SEL'SKOKHOZIAISTVENNAIA BIBLIOTEKA. [Soil erosion and measures for its control, bibliographical index of literature] Eroziia pochv i mery bor'by s neiu, bibliograficheskii ukazatel' literatury. Alma-Ata, 1959. 59 p.

[THE ANTARCTIC, reports of the Commission for 1962] Antarktika, doklady komissii 1962. Moskva, Izd-vo Akad. nauk SSSR, 1963. 179 p.

APOLLOV, B. A. [Study of rivers] Uchenie o rekakh. [2 izd. Moskva] Izd-vo Mosk. univ., 1963. 422 p.

ASHUROV, IA. S., T. I. GELAKH, and U. KH. KAMALOV. [Bukhara, a concise guidebook] Bukhara, kratkii spravochnik. Izd. 3., ispr. i dop. Pod obshchei red. D. N. Namazova. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1963. 107 p., 1 fold. map.

BALABUSHEVICH, I. A. [Higher derivatives of the gravitational potential and their applicability in geological gravimetry] Vysshie proizvodnye potentsiala sily tiazhesti i vozmozhnosti ikh ispol'zovaniia v geologicheskoi gravimetrii. Kiev, Izd-vo Akad. nauk USSR, 1963. 266 p.

[BASIC STAGES OF THE GEOLOGICAL DEVELOPMENT OF * AND PROSPECTS FOR FINDING OIL AND GAS IN THE YAKUT A. S. S. R.] Osnovnye etapy geologicheskogo razvitiia i perspektivy neftegazonosnosti IAkutskoi ASSR. [By] D. K. Gornshtein i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 238 p.

BASS, S. V. [Intrazonal characteristics of the spring surface runoff in the forest zone] Vnutrizonal'nye osobennosti vesennego poverkhnostnogo stoka v lesnoi zone. Moskva, Izd-vo Akad. nauk SSSR, 1963. 105 p.

BELIAEV, I. P. [Hydrology of the Terek Delta] Gidrologiia del'ty Tereka. Pod red. S. S. Baidina. Moskva, Gidrometeoizdat, 1963. 207 p.

CHARYGIN, M. M. [General geology] Obshchaia geologiia. Izd. 3., perer. i dop. Moskva, Gostoptekhizdat, 1963. 376 p.

DANIBEGOV, RAFAIL. [Travels of Rafail Danibegashvili, eighteen years spent in Asian countries] Puteshestvie Rafaila Danibegashvili, vosem'nadtsat' let v stranakh Azii. Tbilisi, Sabchota Sakartvelo, 1963. 120 p. [In Georgian and Russian]

DITMAR, A. B. [To the countries of tin and amber] V strany olova i lantaria. Moskva, Geografgiz, 1963. 70 p. (Zamechatel'nye geografy i puteshestvenniki)

EGOROV, N. I. [Plans and maps, teachers' manual] Plan i karta, posobie dlia uchitelei. Izd. 4., perer. Moskva, Uchpedgiz, 1963. 142 p.
_____ Maps.

FIEDLER, ARKADY. [The river of singing fish. Translation from the Polish] Ryby poiut v Ukalali. Moskva, Geografgiz, 1963. 239 p., illus. (Rasskazy o prirode).

[GEOLOGY OF THE U. S. S. R.] Geologiia SSSR. Glav. red. A. V. Sidorenko. Moskva, Gosgeoltekhizdat,
Vol. 2. [Arkhangel and Vologda Provinces and the Komi A. S. S. R.] Arkhangel'skaia, Vologodskaia oblasti i Komi ASSR.
Pt. 1 [Geological description] Geologicheskoe opisanie. Red. A. I. Zoricheva. Sos red. S. N. Volkov. 1963. 1077 p.

GNEVUSHEV, M. A. [Yakut diamonds] IAkutskie almazy. Moskva, Uchpedgiz, 1963. 102 p. (Biblioteka shkol'nika)

[HYDROLOGICAL YEARBOOK] Gidrologicheskii ezhegodnik. Leningrad, Gidrometeoizdat
1957. Vol. 6 [Basin of the Kara Sea (western part)] Bassein Karskogo moria (zapadnaia chast').
Nos 0-3. [Ob' River and its basin to the estuary of the Irtysh River] Reka Ob' i ee bassein do ust'ia r. Irtysha. Pod red. M. K. Khrapovitskoi. 1962. 325 p.

KARPOV, G. V., and A. I. SOLOV'EV, comps. [Reader on the physical geography of the U. S. S. R., nature pictures from the works of literary authors, travellers, and scientists] Khrestomatiia po fizicheskoi geografii SSSR; kartiny prirody iz proizvedenii pisatelei, puteshestvennikov i uchenykh. Posobie dlia uchitelia. Moskva, Uchpedgiz, 1963. 103 p.

KAZUNIN, F. A., and V. T. IAGUPOV. [Evpatoriya, concise regional study. Advice to health resort visitors and those vacationing without health resort passes] Evpatoriia, kratkii kraevedcheskii ocherk. Sovety kurortnikam i otdykhaiushchim bez putevok. Simferopol', Krymizdat, 1963. 143 p. illus.

KITYK, V. I. [Conditions governing the formation of salt dome structures] Uslovlia obrazovaniia solianykh struktur. Kiev, Izd-vo Akad. nauk USSR, 1963. 291 p.

KOZHEVNIKOV, S. E. [My Siberia] Moia Sibir'. Leningrad, Gos. izd-vo detskoi lit-ry, 1962. 365 p. illus
(MiU)

KUL'KOV, N. P. [Brachiopods in Lower Devonian Solov'ikha layers of the Gornyy Altai] Brakhiopody solov'ikhinskikh sloev nizhnego devona Gornogo Altaia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 130 p.

KUSCHAK, ANDREW. V obiimakh materiv. In mothers' embraces. New York, 1963. 259 p. [Parallel texts in Ukrainian and English]

LANGE, O. K., and M. F. IVANOVA. [General geology, lecture course] Obshchaia geologiia, kurs lektsii. Pod red. O. K. Lange. [Moskva] Izd-vo Mosk. univ.
No. 2. 1962. 162 p.

LAPING, EERO. Pirita. Tallinn, Estonskoe gos. izd-vo, 1963. [14] p. illus

LARIONOV, V. V. [Nuclear geology and geophysics] IAdernaia geologiia i geofizika. Pod red. V. N. Dakhnova. Moskva, Gostoptekhizdat, 1963. 351 p.

LEBEDEV, A. P., ed. [Problems of paleovolcanism. Translated from the English] Problemy paleovulkanizma, sbornik. Moskva, Izd-vo inostr. lit-ry, 1963. 585 p.

LENINGRAD; sputnik turista. Ukazatel' k karte. A short guide. Explanatory index to the map. [Leningrad] Lenizdat, 1963. 419 p.

MALINOV, A. R. Sasovo. [Riazan'] Riazanskoe knizhnoe izd-vo, 1963. 38 p.

MCHEDLISHVILI, N. D. [Flora and vegetation in the Cimmerian stage based on data from palynological analysis] Flora i rastitel'nost' kimmeriiskogo veka po dannym palinologicheskogo analiza. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 196 p. [With summary in English]

MIAGKOVA, E. I., and others. [Stratigraphy of Ordovician and Silurian sediments in the Moyyero Valley, Siberian Platform] Stratigrafiia ordovikskikh i siluriiskikh otlozhenii doliny reki Moiero, Sibirskaia platforma. Moskva, Izd-vo Akad. nauk SSSR, 1963. 63 p.

MIKLUKHO-MAKLAI, A. D. [Upper Paleozoic of Central Asia] Verkhnii paleozoi Srednei Azii. [Moskva] Izd-vo Mosk. univ., 1963. 327 p.
——— Maps.

MOSSAKOVSKII, A. A. [Tectonic development of Minusinsk Lowlands and their mountain margin in the Pre-Cambrian and Paleozoic] Tektonicheskoe razvitie Minusinskikh vpadin i ikh gornogo obramleniia v dokembrii i paleozoe. Pod red. A. A. Bogdanova. Moskva, Gosgeoltekhizdat, 1963. 215 p.

MUROMTSEV, A. M. [Atlas of the temperature, salinity and density of water in the Pacific Ocean] Atlas temperatury, solenosti i plotnosti vody Tikhogo okeana. Otv. red. IU. V. Mateov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 120 p. [Preface in Russian and English]

[NUCLEAR GEOPHYSICS, 1963] IAdernaia geofizika, vypusk 1963. Moskva, Gostoptekhizdat, 1963. 246 p.

[ODESSA, reference book (as of March 1, 1963)] Odessa, spravochnik (po sostoianiiu na 1. III-1963 g.) [Odessa] Odesskoe knizhnoe izd-vo, 1963. 207 p. illus

PAVLOV, S. E. [The chestnuts ripen with anger; travel notes] Kashtany nalivaiutsia gnevom; putevye zametki. Minsk, Gos. izd-vo BSSR, 1962. 52 p. illus.
(MH)

PETUKHOV, A. F. [Distance beckons the nomad's soul] Dushu nomada dal' zovet. Moskva, Geografgiz, 1963. 38 p. (Zamechatel'nye geografy i puteshestvenniki)

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi geologicheskii komitet. [Aeromagnetic surveying in geology, collection of articles dedicated to the 25th anniversary of aeromagnetic surveying in the U. S. S. R.] Aeromagnitnaia s"emka v geologii, sbornik statei, posviashchennyi 25-letiiu aeromagnitnoi s"emki v SSSR. Moskva, Gosgeoltekhizdat, 1963. 123 p.

[SEICHES ON THE LAKES OF THE U. S. S. R.] Seishi na ozerakh SSSR. [By] N. M. Arsen'eva i dr. [Leningrad], Izd-vo Leningr. univ., 1963. 182 p.

SHTOHRYN, O. D. [Underground waters of Quaternary sediments in the cis-Carpathian region] Pidzemni vody chetvertynnykh vidkladiv Peredkarpattia. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 137 p.

SHUMILOVA, E. V. [Terrigenous components of Mesozoic and Cenozoic sediments in the West Siberian Plain and their role in paleogeographic reconstructions] Terrigennye komponenty mezozoiskikh i kainozoiskikh otlozhenii Zapadno-Sibirskoi nizmennosti i ikh rol' v paleogeograficheskikh rekonstruktsiiakh. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 313 p.
——— Maps, diagrs.

SLOBOZHAN, I. I. Marsovo pole. [Leningrad] Lenizdat, 1963. 109 p. (Dostoprimechatel'nosti Leningrada)

SOBOLEV, V. S., ed. [Problems of theoretical and experimental petrology. Translated from the English] Voprosy teoreticheskoi i eksperimental'noi petrologii; sbornik statei. Moskva, Izd-vo inostr. lit-ry, 1963. 530 p.

SOVETSKAIA ANTARKTICHESKAIA EKSPEDITSIIA, 1955- [Transactions of the Soviet Antarctic Expedition] Trudy. Leningrad, Izd-vo "Morskoi transport."
Vol. 21. Treshnikov, A. F. [Characteristics of the ice conditions in the southern part of the Arctic Ocean] Osobennosti ledovogo rezhima IUzhnogo Ledovitogo okeana. Pod red. P. A. Gordienko. 1963. 237 p.

[STRATIGRAPHY OF JURASSIC AND CRETACEOUS SYSTEMS IN THE NORTH OF THE U. S. S. R.] Stratigrafiia iurskoi i melovoi sistem Severa SSSR. [By] V. N. Saks i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 226 p.
——— 5 charts.

STRYZHAK, O. S. [Names of rivers in Poltava Province] Nazvy richok Poltavshchyny. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 110 p.

SULTANOV, A. D., and others. [Lithology of sediments in the Apsheronian stage of Azerbaijan] Litologiia otlozhenii apsheronskogo iarusa Azerbaidzhana. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 249 p.

SURAZHSKII, D. IA., ed. [Problems of applied radiogeology] Voprosy prikladnoi radiogeologii, sbornik statei. Moskva, Gosatomizdat, 1963. 276 p.

TAM, DZE SINEE NARACH. WHERE THE NARACH GLOWS BLUE. Minsk, Dziarzh. vyd-va BSSR, 1963. [6] p. illus. [Texts in White Russian, Russian, and English]

TIKHOMIROV, V. V. [Geology in Russia in the first half of the 19th century] Geologiia v Rossii pervoi poloviny XIX veka. Moskva, Izd-vo Akad. nauk SSSR.
Pt. 2. [Development of basic ideas and trends in geology] Razvitie osnovnykh idei i napravlenii geologicheskoi nauki. 1963. 486 p.

TRUNOV, D. I. [Treasure gorges, four trips through the Northern Caucasus] Uschel'ia sokrovishch, 4 puteshestviia po Severnomu Kavkazu. Moskva, Izd-vo "Sovetskaia Rossiia," 1963. 380 p. (Po zemle Rossiiskoi)

UDODOV, P. A., I. P. ONUFRIENOK, and IU. S. PAKHLOV. [Practice of hydrogeochemical studies in Siberia] Opyt gidrogeokhimicheskikh issledovanii v Sibiri; metodika i rezul'taty rabot. Moskva, Vysshaia shkola, 1962. 188 p.

VAL'TSEVA, A. V. [Yenisey, Yenisey...; a travel diary] Enisei, Enisei..., dorozhnaia tetrad'. Moskva, Sovetskii pisatel', 1963. 149 p.

13. SCIENCE

ADAMCHUK, IU. V., and V. M. STRUTINSKII. [Radiation widths of nuclei and statistical theory] Radiatsionnye shiriny iader i statisticheskaia teoriia. Moskva, In-t atomnoi energii im. I. V. Kurchatova, 1963. 49 p.

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Soviet po istorii estestvoznaniia i tekhniki. [Euclidean geometry] Geometriia Evklida. Tekst podgotovili k pechati G. B. Petrosian i A. G. Abraamian. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 285 p. [In Armenian with summaries in Russian and English]
[MICROFILM]

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut geofiziki. [Yearbook of geophysical observations, 1959] Ezhegodnik geofizicheskikh nabliudenii, 1959. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 153 p. [Text in Georgian and Russian]

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut lesa. [Woody plants of the Caucasus; wild and cultivated trees and shrubs] Dendroflora Kavkaza; dikorastushchie i kul'turnye derev'ia i kustarniki. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR.
Vol. 3. [Angiospermae; Dicotyledoneae; Moraceae (mulberry family) — Platanaceae (plane-tree family)] Angiospermae — pokrytosemennye. Dicotyledoneae — dvudol'nye; Moraceae (tutovye) — Platanaceae (platanovye). 1963. 307 p.

AKADEMIIA NAUK SSSR [As seen by a scientist: From the Earth to the galaxies, To the atomic nucleus, From the atom to the molecule, From the molecule to the organism] Glazami uchenogo: Ot Zemli do galaktik, K iadru atoma, Ot atoma do molekuly, Ot molekuly do organizma. Moskva, Izd-vo Akad. nauk SSSR, 1963. 736 p.

AKADEMIIA NAUK SSSR, Botanicheskii institut. [Problems of research on and the use of tannin plants] Voprosy izucheniia i ispol'zovaniia dubil'nykh rastenii v SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 272 p.

DEMIA NAUK SSSR. Institut filosofii. [Structural and functional bases of psychological activity] Strukturnye i funktsional'nye osnovy psikhicheskoi deiatel'nosti, materialy simpoziuma. Moskva, Izd-vo Akad. ped. SSSR, 1963. 89 p.

DEMIA NAUK SSSR. Institut fiziologii im. I. P. Pavlova. [Problems in the regulation of blood circulation] Voprosy regulirovaniia krovoobrashcheniia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 151 p.

DEMIA NAUK SSSR. Institut geografii. [Resources of game animals in the U. S. S. R. and their census] Resursy fauny promyslovykh zverei v SSSR i ikh uchet. Moskva, Izd-vo Akad. nauk SSSR, 1963. 209 p.

DEMIA NAUK SSSR. Institut obshchei i neorganicheskoi khimii. [Chemistry of peroxide compounds] Khimiia perekisnykh soedinenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 313 p.

DEMIA NAUK SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. Alma-Ata, USSR. (its: Materialy ionosfernykh issledovanii)
July-Dec. 1957. 1962. 82 p.
Jan.-Feb. 1958. 1962. 83 p.
Mar.-Apr. 1958. 1962. 61 p.

DEMIA NAUK SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. Sakhalin, USSR. (its: Materialy ionosfernykh issledovanii)
Nov.-Dec. 1958. 1960. 67 p.

DEMIA NAUK SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. Simferopol', USSR. (its: Materialy ionosfernykh issledovanii)
July-Aug. 1958. 1962. 82 p.

DUSHKIN, L. I. [Cephalopods of the seas of the U.S.S.R.] Golovonogie mollliuski morei SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 233 p.

EKSANDROV, V. M., and G. I. IZIUMOV. [Leningrad Zoological Garden, a concise guide] Leningradskii zoopark, kratkii putevoditel'. [Leningrad] Lenizdat, 1963. 82 p.

EV, A. D., and L. M. LEBEDEV. [Testing machines for studying the mechanical properties of irradiated materials] Ispytatel'nye mashiny dlia izucheniia mekhanicheskikh svoistv oblucheniykh materialov. Moskva, In-t atomnoi energii AN SSSR, 1960. 15 p.

ND, ULO, and others. [Laboratory manual of histology] Histoloogia praktikum. J. Tehvet i uldtoimetusel. Tallinn, Eesti Riiklik Kirjastus, 1963. 142 p. [In Estonian]

SIMOVICH, L. A. [Elementary plasma physics] Elementarnaia fizika plazmy. Moskva, Gosatomizdat, 1963. 191 p.

STAMOV, KH. A. [Problems in descriptive geometry with solutions of standard problems] Sbornik zadach po nachertatel'noi geometrii s resheniiami povykh zadach. Izd. 6. Moskva, Mashgiz, 1963. 75 p.

AROV, MURKHODZHI, BATYR AIKHODZHAEV, and A. L. POGOSOV. [Laboratory work in polymer chemistry] Polimerlar khimiiasidan praktikum. Toshkent, rta ba oliimaktab, 1963. 294 p. [In Uzbek]

LAGUROVA, M. V. [Biological foundations of the development of efficient fisheries in the Syamozero Lake group, Karelian A. S. S. R.] Biologicheskie osnovy organizatsii ratsional'nogo rybnogo khozlaistva na Siamozerskoi gruppe ozer Kareľskoi ASSR. Otv. red. L. F. Pravdin. Moskva, Izd-vo Akad. nauk SSSR, 1963. 87 p.

[illegible], M. I., G. IU. DZHANELIDZE, and A. S. KEL'ZON. [Theoretical mechanics in examples and problems] Teoreticheskaia mekhanika v primerakh i zadachakh. Pod red. G. IU. Dzhanelidze. Izd. 2., ispr. Moskva, Fizmatgiz.
Vol. 1. [Statics and kinematics] Statika i kinematika. 1963. 403 p.

[illegible]R, D. G., comp. [Russian-Moldavian chemical dictionary] Russko-moldavskii khimicheskii slovar'. Kishinev, Gos. izd-vo "Kartia moldovenieske," 1963. 353 p.

BELIAKOV, M. V. [Ocean and atmosphere of the earth] Vozdushnyi okean (atmosfera Zemli). Moskva, Voenizdat, 1963. 129 p. (Nauchno-populiarnaia biblioteka)

BELOV, P. N. [Practical methods for numerical weather forecasting] Prakticheskie metody chislennogo prognoza pogody. Leningrad, Gidrometeoizdat, 1963. 237 p.

BILYK, B. I. [Vegetation of saline soils of the Ukraine, its development, use and improvement] Rosliynist' zasolenykh hruntiv Ukrainy, ii rozvytok, vykorystannia ta polipshennia. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 296 p.

BLIAKHER, L. IA. Konstantin Nikolaevich Davydov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 213 p.

BLOKHINTSEV, D. I. [Fundamentals of quantum mechanics] Osnovy kvantovoi mekhaniki. Izd. 4. Moskva, Vysshaia shkola, 1963. 619 p.

BOCHKOVA, O. P., and E. IA. SHREIDER. [Spectrum analysis of gaseous mixtures] Spektral'nyi analiz gazovykh smesei. Izd. 2., perer. i dop. Pod red. S. E. Frisha. Moskva, Gos. izd-vo fiziko-matematicheskoi lit-ry, 1963. 307 p. (Biblioteka inzhenera, fizika i tekhnika spektral'nogo analiza)

BORISENKO, A. I., and I. E. TARAPOV. [Vector analysis and the fundamentals of the calculus of tensors] Vektornyi analiz i nachala tenzornogo ischisleniia. Izd. 2., dop. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 261 p.

BRODER, D. L., and others, eds. [Problems in the physics of reactor shielding] Voprosy fiziki zashchity reaktorov, sbornik statei. Moskva, Gosatomizdat, 1963. 345 p.

BRONSHTEN, V. A. [Problems of the motion of large meteorites in the atmosphere] Problemy dvizheniia v atmosfere krupnykh meteoritnykh tel. Moskva, Izd-vo Akad. nauk SSSR, 1963. 122 p.

BRONSKII, N., A. REZNIKOV, and V. IAKOVLEV. [V. I. Vernadskii, on the 100th anniversary of his birth] V. I. Vernadskii, k stoletiiu so dnia rozhdeniia. Pod obshchei red. i s predisl. IU. A. ZHDANOVA. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1963. 102 p.

BRYZGUNOV, V. A. [Radiometer for determining I^{131} in the human thyroid gland] Radiometr dlia izmereniia joda-131 v shchitovidnoi zheleze cheloveka. Moskva, In-t atomnoi energii im. I. V. Kurchatova, 1960. 11 p.

BURDUN, G. D. [Units of physical quantities] Edinitsy fizicheskikh velichin. Izd. 3., dop. Moskva, Standartgiz, 1963. 185 p.

DAVYDOV, A. K. [Problems in algebra and elementary functions] Sbornik zadach po algebre i elementarnym funktsiiam. Posobie dlia uchitel'skikh i pedagogicheskikh institutov. Moskva, Gos. uchebno-pedagog. izd-vo, 1955. 247 p.
(WaU)

DOBRYNINA, V. I. [Textbook of biochemistry] Uchebnik po biologicheskoi khimii. Moskva, Medgiz, 1963. 446 p.

DZHAPARIDZE, L. I. [Sex in plants] Pol u rastenii. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR.
Pt. 1. [History of the problem. Sexual dimorphism. Evolution of sex] Istoriia voprosa. Polovoi dimorfizm. Evoliutsiia pola. 1963. 405 p.

EESTI NSV TEADUSTE AKADEEMIA. [Study of nature in the Far East] Issledovanie prirody Dal'nego Vostoka. Tallin, 1963. 308 p. [With summaries in Estonian and English]

ELISEEV, V. G., ed. [Histology] Gistologiia. Moskva, Medgiz, 1963. 671 p.

FALIN, L. I. [Histology and embryology of the oral cavity and the teeth] Gistologiia i embriologiia polosti rta i zubov. Moskva, Medgiz, 1963. 218 p.

FRADKIN, G. M. [Isotopic neutron sources] Izotopnye istochniki neitronov, spravochnik. Moskva, Gosatomizdat, 1963. 86 p.

GINETSINSKII, A. G. [Physiological mechanisms of water and salt balance] Fiziologicheskie mekhanizmy vodno-solevogo ravnovesiia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 126 p.

GOKHSHTEIN, D. P. [Will the universal clock ever stop? A popular exposition of the theory of entropy] Ostanovitsia li mirovye chasy? Populiarnoe izlozhenie teorii ob entropii. Moskva, Gosenergoizdat, 1963. 102 p. (Biblioteka teplotekhnika, no. 11)

GOL'DIN, M. I. [Virus inclusions in plant cells and the nature of viruses] Virusnye vkliucheniia v rastitel'noi kletke i priroda virusov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 202 p.

GORBUNOV, F. P., and others. [Studying a toroidal discharge in a strong magnetic field] Issledovanie toroidal'nogo razriada v sil'nom magnitnom pole. Moskva, In-t atomnoi energii im. I. V. Kurchatova, 1960. 23 p.

GORDEEV, I. V., D. A. KARDASHEV, and A. V. MALYSHEV. [Constants in nuclear physics] Iaderno-fizicheskie konstanty, spravochnik. Moskva, Gosatomizdat, 1963. 507 p.

GRAMMAKOV, A. G., ed. [Exercises in physics] Posobie k uprazhneniiam po fizike. Leningrad, Leningr. elektrotekhn. in-t im. V. I. Ul'ianova (Lenina).
Pt. 3. [Optics, atomic physics] Optika, atomnaia fizika. 1963. 187 p.

GRODZENSKII, D. F. [Radiobiology, biological effect of ionizing radiations] Radiobiologiia, biologicheskoe deistvie ioniziruiushchikh izlucheniĭ. Moskva, Gosatomizdat, 1963. 198 p. (Nauchno-populiarnaia biblioteka Gosatomizdata)

GRUSHINSKII, N. P. [Theory of the figure of the earth] Teoriia figury Zemli. Moskva, Fizmatgiz, 1963. 146 p.

GURSHTEIN, A. A. [Man measures the earth] Chelovek izmeriaet Zemliu. Pod red. G. V. Bagratuni. Moskva, Geodezkartizdat, 1963. 36 p.

GUTER, R. S., L. D. KUDRIAVTSEV, and B. M. LEVITAN. [Elements of the theory of functions, functions of real variables, approximation of functions, almost periodic functions] Elementy teorii funktsii, funktsii deistvitel'nogo peremennogo, priblizhenie funktsii, pochti-periodicheskie funktsii. Pod red. P. L. Ul'ianova. Moskva, Fizmatgiz, 1963. 244 p. (Spravochnaia matematicheskaia biblioteka)

IAKOVLEVA, E. D. [Hydrodynamic resistance of banks of tubes in a transverse flow at Re numbers above 70,000] Gidrodinamicheskoe soprotivlenie poperechno-obtekaemykh puchkov trub pri chislakh Re>70,000. Moskva, In-t atomnoi energii AN SSSR, 1960. 39 p.

INTERNATIONAL SYMPOSIUM ON NONLINEAR OSCILLATIONS, Kiev, 1961. [Transactions of the International Symposium on Nonlinear Oscillations International Union for Theoretical and Applied Mechanics] Trudy Mezhdunarodnogo simpoziuma po nelineinym kolebaniiam. Mezhdunarodnyi soiuz po teoreticheskoi i prikladnoi mekhanike. Kiev, Akad. nauk USSR.
Vol. 1. [Analytic methods of the theory of nonlinear oscillations] Analiticheskie metody teorii nelineinykh kolebanii. 1963. 512 p.
(MH)

IOFFE, S. T., and A. N. NESMEIANOV. [Methods of the chemistry of organometallic compounds, magnesium, beryllium, calcium, strontium, barium] Metody elementoorganicheskoi khimii, magnii, berilliĭ, kal'tsii, stronttsii, bariĭ. Pod obshchei red. A. N. Nesmeianova i K. A. Kocheshkova. Moskva, Izd-vo Akad. nauk SSSR, 1963. 561 p.

IOSEL'SON, S. A. [Physiological fundamentals of increase in the resistance of people to intensive thermal effects] Fiziologicheskie osnovy povysheniia vynosliovosti liudeĭ k intensivnym teplovym vozdeistviiam. Leningrad, Medgiz, 1963. 86 p.

IRODOV, I. E. [Problems in atomic and nuclear physics] Sbornik zadach po atomnoi i iadernoi fizike. Izd. 3., perer. i dop. Moskva, Gosatomizdat, 1963. 343 p.

IVANOV, A. N., and N. F. PRAVDIUK. [Effect of neutron irradiation on the electric resistance of certain metals] Vliianie neitronnogo oblucheniia na elektrosoprotivlenie nekotorykh metallov. Moskva, In-t atomnoi energii im. I. V. Kurchatova, 1960. 23 p.

IVANOV, A. N., and N. F. PRAVDIUK. [Measuring the electric resistance of molybdenum during irradiation in a reactor for physical and technological research] Izmerenie elektrosoprotivleniia molibdena v protsesse obluchenia v reaktore RFT Moskva, In-t atomnoi energii AN SSSR, 1960. 18 p.

IVANOV, D. P., and V. D. KIRILLOV. [Studying a toroidal discharge in a rapidly changing longitudinal magnetic field] Issledovanie toroidal'nogo razriada v bystromenialushchemsia prodol'nom magnitnom pole. Moskva, In-t atomnoi energii AN SSSR, 1960. 26 p.

IVANOV-SMOLENSKII, A. G. [Objective study of the function and interaction of the cerebral signal systems under normal and pathological conditions] Opyt ob"ektivnogo izuchenia raboty i vzaimodeistvia signal'nykh sistem golovnogo mozga (v norme i patologii). Moskva, Medgiz, 1963. 702 p.

KAIUMOV, A. M. [Methods and means of control in digital and control computers] Metody i sredstva kontrolia v elektronnykh tsifrovykh vychislitel'nykh i upravliaiushchikh mashinakh Leningrad, 1963. 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia Pribory i elementy avtomatiki, no. 3)

KARPINSKAIA, R. S., and M. M. ABRASHNEV. [Why there should be a union of philosophy with natural sciences] Pochemu neobkhodim soiuz filosofii i estestvoznaniia. [Moskva] Izd-vo Mosk. univ., 1963. 37 p.

KHALIFMAN, I. A. [Ants] Muravi. [Moskva] Molodaia gvardiia, 1963. 302 p.

KHAZANOV, B. I., ed. [Radiometric process instrumentation] Kontrol'no-izmeritel'naia radiometricheskaia apparatura. [By] S. I. Babichenko i dr. Moskva, Gosatomizdat, 1963. 148 p.

KHLUDOVA, O. F. [Behind the blue threshold] Za golubym porogom. Moskva, Gos. izd-vo geogr. lit-ry, 1963. 228 p. (Rasskazy o prirode)

KISELEV, V. A. [Theory of external and internal forces in a bar] Teoriia vneshnikh i vnutrennikh sil brusa. [IAroslavl'] Rosvuzizdat, 1963. 66 p.

KLEN, RUDOLF. [Preparation and preservation of tissues. Translated from the Czech] Zagotovka i konservirovanie tkanei. Prague, Gos. izd-vo med. lit-ry, 1962. 316 p. illus.

KLOCHKOV, V. N. [Physics textbook] Uchebnik fiziki. Izd. 2, pererab. i dop. Moskva, Medgiz, 1963. 531 p.

KOLESNIKOV, A. L. [Technical analysis of products obtained in basic organic synthesis] Tekhnicheskii analiz produktov proizvodstva osnovnogo organicheskogo sinteza, uchebno-metodicheskoe posobie. [IAroslavl'] Rosvuzizdat, 1963. 117 p.

KOLKUNOV, N. V. [Fundamentals of the design of elastic shells] Osnovy rascheta uprugikh obolochek. Moskva, Vysshaia shkola, 1963. 277 p.

KOLODIAZHNAIA, A. A. [Regime of the chemical composition of atmospheric precipitation and its metamorphosis in the zone of aeration] Rezhim khimicheskogo sostava atmosfernykh osadkov i ikh metamorfizatsiia v zone aeratsii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 165 p.

KONFERENTSIIA PO FIZIKE PLAZMY I PROBLEME UPRAVLIAEMOGO TERMOIADERNOGO SINTEZA 2d, Kharkov, 1960. [Plasma physics and the problem of controlled thermonuclear synthesis] Fizika plazmy i problemy upravliaemogo termoiadernogo sinteza; doklady. Kiev, Izd-vo Akad. nauk USSR.
No. 2. 1963. 343 p.

KONFERENTSIIA PO OBRABOTKE INFORMATSII, MASHINNOMU PEREVODU I AVTOMATICHESKOMU CHTENIIU TEKSTA. [Reports of the Conference on Data Processing, Machine Translation, and Automatic Reading] Doklady. Moskva, Akad. nauk SSSR.
Nos. 3, 5, 11. 1961

KONSTANTINOV, B. P., ed. [Theory of plasma] Diagnostika plazmy; sbornik statei. Moskva, Gosatomizdat, 1963. 301 p.

KOROVKIN, P. P. [Mathematical analysis] Matematicheskii analiz. Moskva, Uchpedgiz.
Pt. 1. 1963. 399 p.

KOSENKO, I. S. [Manual for determining families of the higher plants of the Northwestern Caucasus and Ciscaucasia] Posobie dlia opredelenia semeistv vysshikh rastenii Severo-Zapadnogo Kavkaza i Predkavkaz'ia. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1963. 35 p.

KOSHTOIANTS, KH. S. [Problems of the enzyme chemistry of stimulation and inhibition processes and the evolution of the functions of the nervous system,] Problemy enzimokhimii protsessov vozbuzhdenia i tormozhenia i evoliutsii funktsii nervnoi sistemy, dolozheno na sessii otdeleniia fiziologii Akademii nauk SSSR, posviashchennoi 17 marta 1961 goda. Moskva, Izd-vo Akad. nauk SSSR, 1963. 30 p. (Bakhovskie chteniia, no. 17)

KRAIKO, A. N. [Variational problems involving supersonic flows of a gas with arbitrary thermodynamic properties] Variatsionnye zadachi sverkhzvukovykh techenii gaza s proizvol'nymi termodinamicheskimi svoistvami. Moskva, Vychislitel'nyi tsentr Akad. nauk SSSR, 1963. 82 p. (Trudy Vychislitel'nogo tsentra)

KUDRIAVTSEV, P. S. [Isaac Newton] Isaak N'iuton. Izd. 3., dop. Moskva, Uchpedgiz, 1963. 140 p. (Klassiki fiziki)

KUL'BA, F. IA., and V. E. MIRONOV. [Chemistry of thallium, complex compounds] Khimiia tallia, kompleksnye soedineniia. Leningrad, Goskhimizdat, 1963. 200 p.

KUPRADZE, V. D. [Method of the potential in the theory of elasticity] Metody potentsiala v teorii uprugosti. Moskva, Fizmatgiz, 1963. 472 p.

KURGAN. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. [Collection of articles on scientific methodology, physics and mathematics faculty] Nauchno-metodicheskii sbornik, fiziko-matematicheskii fakul'tet. Kurgan, 1962. 238 p.

KUZNETSOV, B. A., and A. Z. CHERNOV. [Zoology course] Kurs zoologii. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 357 p.

JARVEKULG, ARVI, and IVAR VELDRE. [Life in the Baltic Sea] Elu Laanemeres. Tallinn, Eesti Riiklik Kirjastus, 1963. 350 p. (Teaduse teedelt) [In Estonian]

LANGE, K. A. [I. P. Pavlov Institute of Physiology of the Academy of Sciences of the U. S. S. R., Leningrad — Pavlovo] Institut fiziologii imeni I. P. Pavlova Akademii nauk SSSR, g. Leningrad — s. Pavlovo. Moskva, Izd-vo Akad. nauk SSSR, 1961. 69 p.

LAVRUKHINA, A. K., T. V. MALYSHEVA, F. I. PAVLOTSKAIA. [Radiochemical analysis] Radiokhimicheskii analiz. Moskva, Izd-vo Akad. nauk SSSR, 1963. 219 p.

LEONOV, M. IA. [Fundamentals of the mechanics of an elastic body] Osnovy mekhaniki uprugogo tela. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR.
No. 1. 1963. 328 p.

LEVIN, A. I. [Theoretical principles of electrochemistry] Teoreticheskie osnovy elektrokhimii. Moskva, Metallurgizdat, 1963. 430 p.

LIVSHITS, B. G. [Metallography] Metallografiia. Moskva, Metallurgizdat, 1963. 422 p.

MAIER, R. A. [Studying the properties of functions in the eight-year school] Iz opyta izucheniia svoistv funktsii v vos'miletnei shkole. Pod red. I. A. Gibsha. Moskva, Izd-vo APN RSFSR, 1963. 79 p. (Pedagogicheskie chteniia)

MAKAREVICH, M. F. [Analysis of lichens of the Ukrainian Carpathians] Analiz likhenoflory Ukrains'kikh Karpat. Kyiv, Vid-vo Akad. nauk URSR, 1963. 260 p.

MANIIA, G. M. [Some methods of mathematical statistics] Nekotorye metody matematicheskoi statistiki. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 351 p. [In Georgian]

MARKOVICH, E. S. [Course in higher mathematics] Kurs vysshei matematiki. [Moskva] Rosvuzizdat, 1963. 407 p.

MILOKHIN, A. A. [Interoceptors of the digestive tract of some lower vertebrates, a comparative histological study] Interotseptory pishchevarit'nogo trakta nizshikh pozvonochnykh, sravnitel'no-gistologicheskoe issledovanie. Moskva, Izd-vo Akad. nauk SSSR, 1963. 97 p. diagrs. insert in pocket

MOSCOW. PUBLICHNAIA BIBLIOTEKA. [Mathematics and technical progress, a recommended bibliographic survey] Matematika i tekhnicheskii progress, rekomendatel'nyi obzor literatury. Moskva, 1963. 16 p. (Novoe v nauke i tekhnike, no. 3)

MOSCOW. PUBLICHNAIA BIBLIOTEKA. [New chemical elements; a recommended bibliographic survey] Novye khimicheskie elementy, rekomendatel'nyi obzor literatury. Moskva, 1963. 14 p. (Novoe v nauke i tekhnike, no. 4)

MUKHIN, K. N. [Introduction to nuclear physics] Vvedenie v iadernuiu fiziku. Moskva, Gosatomizdat, 1963. 588 p.

NASONOV, D. N. [Some problems of cell morphology and physiology] Nekotorye voprosy morfologii i fiziologii kletki, izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 361 p.

NEKRASOV, B. V. [General chemistry textbook] Uchebnik obshchei khimii. Izd. 2. Moskva, Goskhimizdat, 1963. 495 p.

NEMAL'TSEVA, T. M., and L. A. ALI'KHANDROV. [Organization of atomic energy research in Japan] Organizatsiia nauchnykh issledovanii po atomnoi energii v IAponii. Moskva, Vses. In-t nauchn. i tekhn. informatsii, 1963. 66 p.

NIKONOROV, N. M., A. V. MARSOV, and P. I. PIMA-KOV. [Handbook on laboratory weighing instruments and weights] Spravochnik po laboratornym vesam i girtiam. Moskva, Mashgiz, 1963. 191 p. illus.

NORKIN, S. B., ed. [Elements of computer mathematics] Elementy vychislitel'noi matematiki. Izd. 2, pererab. i dop. [By] S. B. Norkin i dr. Moskva, Izd-vo "Vysshaia shkola", 1963. 209 p.

OSOVETS, S. M. [Dynamic stabilization of a plasma filament] Dinamicheskaia stabilizatsiia plazmennogo shnura. Moskva, In-t atomnoi energii, 1959. 10 p.

OSTROUMOV, G. N. [Taming of the sun] Priruchenie solntsa. Moskva, Izd-vo "Izvestiia," 1962. 190 p. (Biblioteka "Izvestii")

PAGUROVA, V. I. [Tables of incomplete gamma functions] Tablitsy nepolnoi gamma - funktsii. Moskva, VTs AN SSSR, 1963. 235 p. (Matematicheskie tablitsy)

PANIN, B. V. [Some characteristics of the interaction of atomic particles of mean energies (10 to 100 kev) with solid bodies] O nekotorykh osobennostiakh vzaimodeistvia atomnykh chastits srednikh energii (10÷100 kev) s tverdymi telami. Moskva, In-t atomnoi energii AN SSSR, 1960. 44 p.

PANKRATOV, A. IA. [Microbiology] Mikrobiologiia. Izd. 2., ispr. i dop. Moskva, Sel'khozizdat, 1962. 398 p.

PERMIAKOV, V. M. [Radioactive emanations] Radioaktivnye emanatsii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 174 p.

PETUSHKOVA, E. V. [Qualitative characteristics of reflection in the inorganic nature] Kachestvennye osobennosti otrazhenila v nezhivoi prirode. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 58 p.

PLATONOV, G. V., and others, eds. [Studies on the dialectic of living nature] Ocherk dialektiki zhivoi prirody. Moskva, Sotsekgiz, 1963. 527 p.

PODGORNYI, I. M., and V. N. SUMAROKOV. [Injection of plasma clots into a magnetic trap with a field growing stronger toward the periphery] Inzhektsiia sgustkov plazmy v magnitnuiu lovushku s polem, vozrastaiushchim k periferii. Moskva, In-t atomnoi energii AN SSSR, 1960. 14 p.

FOLKANOV, F. M. [Behind a glass shore] Za steklianym beregom. Moskva, Izd-vo "Detskii mir," 1963. 56 p.

POPOV, V. A., ed. [Magnetohydrodynamic method of energy conversion. Translations] Magnitogidrodinamicheskii metod preobrazovaniia energii. Moskva, Fizmatgiz, 1963. 536 p.

PORTENKO, L. A., A. A. KISHCHINSKII, and F. B. CHERNIAVSKII. [Mammals of the Koriak Range, materials on their distribution, abundance, biology and economic significance] Mlekopitaiushchie Koriatskogo nagor'ia, materialy po rasprostraneniiu chislennosti biologii i ekonomicheskomu znacheniiu. Moskva, Izd-vo Akad. nauk SSSR, 1963. 129 p. (Trudy Kamchatskoi kompleksnoi ekspeditsii)

PRAVDIUK, N. F., and P. A. PLATONOV. [Stress-rupture strength of copper following irradiation] Izuchenie dlitel'noi prochnosti medi posle obluchenila. Moskva, In-t atomnoi energii, 1960. 15 p.

PRAVDIUK, N. F., V. A. NIKOLAENKO, and V. I. KARPUKHIN. [Changes in the parameters of diamond and silicon carbide due to irradiation] Izmenenie parametrov almaza i karbida kremnila pri obluchenii. Moskva, In-t atomnoi energii, 1960. 10 p.

PRAVDIUK, N. F., V. N. KUZNETSOV, and N. I. LALETIN. [Isothermal irradiation of nonfissionable materials inside the fuel assemblies of reactors for physical and technological research] Izotermicheskoe obluchenie nedelliashchikhsia materialov vnutri teplovydeliaiushchikh sborok RFT. Moskva, In-t atomnoi energii AN SSSR, 1960. 15 p.

PROCHUKHAEV, V. G. [Raising the standards of teaching and the quality of student knowledge in mathematics] O povyshenii urovnia prepodavaniia i kachestva znanii uchashchikhsia po matematike, posobie dlia studentov pedagogicheskikh institutov i uchitelei matematiki. Moskva, Mosk. gos ped. in-t im. V. I. Lenina, 1963. 190 p.

RAPOPORT, F. M., and A. A. IL'INSKAIA. [Laboratory methods for obtaining pure gases] Laboratornye metody polucheniia chistykh gazov. Moskva, Goskhimizdat, 1963. 419 p.

RODIONOV, S. V. [Multiple, curvilinear, and surface integrals] Kratnye, krivolinelnye i poverkhnostnye integraly. 2. izd. [n. p.] Rosvuzizdat, 1963. 136 p.

RUDOL, B. Z., and others. [Manual for laboratory work in inorganic and analytical chemistry] Rukovodstvo k prakticheskim zaniatiiam po kursu neorganicheskoi i analiticheskoi khimii. Pod red. B. Z. Rudogo. Riazan', Riazanskii med. in-t im. akad. I. P. Pavlova, 1963. 153 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po ispol'zovaniiu atomnoi energii. [Physics of elementary particles] Voprosy fiziki elementarnykh chastits. Pod obshchei red. A. I. Alikhaniana. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1963. 594 p.

SAUTIN, V. I., and P. N. RAIKO. [Guide to the forest types of White Russia] Opredelitel' tipov lesa BSSR. Minsk, Gos. izd-vo sel'khoz lit-ry BSSR, 1963. 201 p. illus.

SAVINOV, G. V., ed. [Laboratory work in theoretical and applied mechanics] Laboratornyi praktikum po obshchei i prikladnoi mekhanike. [Moskva] Izd-vo Mosk. univ. 1963. 233 p.

SCIENTIFIC WORK OF L. D. LANDAU] Nauchnoe tvorchestvo L. D. Landau; sbornik. Moskva, Izd-vo "Znanie," 1963. 30 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika i khimiia, no. 21)

SHAPOCHKA, N. M. [Lamarck's theory of evolution, lecture from a course in Darwinism] Evoliutsionnoe uchenie Lamarka, lektsiia iz kursa "Darvinizma," [Moskva] Izd-vo Mosk. univ. 1963. 32 p.

SHILOV, IU. M., and M. I. TARASENKO. [General chemistry] Obshchaia khimiia. Moskva, Medgiz, 1963. 367 p.

SHIROKOV, K. P., ed. [Tables for the conversion of measurement units] Tablitsy perevoda edinits izmerenii. [By] M. G. Boguslavskii i dr. Moskva, Standartgiz, 1963. 116 p.

SHUSHKIN, B. K., ed. [Botanical atlas] Botanicheskii atlas. Moskva, Sel'khozizdat, 1963. 501 p.

SHULIKOVSKII, V. I. [Classical differential geometry in terms of the calculus of tensors] Klassicheskaia differentsial'naia geometriia v tenzornom izlozhenii. Pod red. A. P. Norodena. Moskva, Fizmatgiz, 1963. 540 p.

SHUSTOROVICH, E. M. [Nature of chemical bonds] Priroda khimicheskoi sviazi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 134 p. (Nauchno-populiarnaia serila).

SIVINTSEV, IU. V. [Radioactivity testing of the atmospheric air and the Neva River in the region of mooring tests of the atomic icebreaker "Lenin"] Issledovaniia radiatsionnoi chistoty atmosfernogo vozdukha i reki Nevy v raione shvartovykh ispytanii atomnogo ledokola "Lenin." Moskva, In-t atomnoi energii AN SSSR, 1960. 27 p.

SKATKIN, L. N. [Teaching how to solve simple and complex arithmetic problems] Obuchenie resheniiu prostykh i sostavnykh arifmeticheskikh zadach, posobie dlia uchitelei nachal'nykh klassov. Moskva, Uchpedgiz, 1963. 192 p.

SKOBETS, E. M., and V. D. SKOBETS. [Derivative polarography] Proizvodnaia poliarografiia. Kiev, Gostekhizdat, 1963. 112 p.

SLADKOV, N. I. [Courageous amateur photographer] Smelyi fotolokhotnik. Leningrad. Detgiz, 1963. 206 p.

SOBEL'MAN, I. I. [Introduction to the theory of atomic spectra] Vvedenie v teoriiu atomnykh spektrov. Moskva, Fizmatgiz, 1963. 640 p.

SOLOV'EV, V. G. [Effect of pair correlations of the superconductive type on the properties of atomic nuclei] Vliianie parnykh korreliatsii sverkhprovodiashchego tipa na svoistva atomnykh iader. Moskva, Gosatomizdat, 1963. 74 p.

SOPRUNOV, F. F., and S. F. SHAGALIN. [Preparation from predatory fungi and its use in controlling parasitic roundworms] Preparat khishchnykh gribov i ego primenenie v borbe s kruglymi paraziticheskimi chervviami. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 18 p.

SPIRIN, A. S. [Some problems of the macromolecular structure of ribonucleic acids] Nekotorye problemy makromolekuliarnoi struktury ribonukleinovykh kislot. Moskva, Izd-vo Akad. nauk, 1963. 77 p.

STRAUB, F. BRUNO. [Biochemistry. Translated from the Hungarian] Biokhimiia. Budapest, Akademiai Kiado, 1963. 715 p.

SUVOROV, S. G. [What does light tell us] O chem rasskazyvaet svet. Izd. 2., perer. i dop. Moskva, Voenizdat, 1963. 140 p. (Nauchno-populiarnaia biblioteka voennogo izdatel'stva)

TAGER, A. A. [Physical chemistry of polymers] Fiziko-khimiia polimerov. Moskva, Goskhimizdat, 1963. 528 p.

TALYZIN, F. F. [Snakes] Zmei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 108 p. (Nauchno-populiarnaia serila)

TISHIN, S. D., and S. S. TISHIN. [Involuti bases from 0.0001 to 1000 and exponer 4] Tablitsy vozvedeniia v stepen' pri c 0,0001 do 1000 i pokazateliakh ot 0,01 d dop. Moskva, Gosstatizdat, 1963. 39

TOROPOV, N. A., and I. F. ANDREEV. silicon] Elementarnyi kremnii; uchebi Leningrad, Leningr. tekhnolog. in-t i 1963. 97 p.

TROSTNIKOV, V. N. [A. A. Fridman, er scientist] Vydaiushchiisia sovetskii u Fridman. Moskva, Izd-vo "Znanie," (Novoe v zhizni, nauke, tekhnike. IX khimiia, no. 20)

TUMADZHANOV, I. I. [Fractional geobo of the northern slope of the Greater C drobnogo geobotanicheskogo raionirovi sklona Bol'shogo Kavkaza; na primere Tbilisi, Izd-vo Akad. nauk Gruzinskoi 240 p. [With summary in English]

USATENKO, B., V. ALLIKAS, and A. ROOSILEHT, comps. [Aquarium] Akvaarium. Tallinn, Eesti Riiklik Kirjastus, 1963. 383 p. [In Estonian]

VAL'DGARD, S. L. [How to deliver a popular lecture on natural science] Kak chitat' nauchno-populiarnye lektsii po estestvoznaniiu. [Moskva] Mosk. rabochii, 1963. 159 p.

VEGA, G. [Tables of seven-place logarithms] Tablitsy semiznachnykh logarifmov. Moskva, Gosgeoltekhizdat, 1963. 559 p.

VERSHYHORA, A. IU. [Methodology of microbiological research on the air] Metody mikrobiologichnykh doslidoslidzhen' povitria. Kyiv, Derzhmedvydav URSR, 1960. 133 p. (Biblioteka prakticheskogo lekaria)

VINOGRADOVA, E. N., Z. A. GALLAI, and Z. M. FINOGENOVA. [Methods of polarographic and amperometric analysis] Metody poliarograficheskogo i amperometricheskogo analiza. [Moskva] Izd-vo Mosk. univ., 1963. 298 p.

VOLOGDIN, A. G. [Earth and life, evolution of environment and life on earth] Zemlia i zhizn', evoliutsiia sredy i zhizni na Zemle. Moskva, Izd-vo Akad. nauk SSSR, 1963. 172 p. (Nauchno-populiarnaia serila)

VOROD'EV, D. P. [Vegetation of the Kurile Islands] Rastitel'nost' Kuril'skikh ostrovov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 91 p.

VOROB'EV, N. N., ed. [Infinite antagonistic games] Beskonechnye antagonisticheskie igry. Moskva, Fizmatgiz, 1963. 503 p. (Teoriia igr)

VORONOV, A. G. [Biogeography, with the elements of biology] Biogeografiia (s elementami biologii) [Moskva] Izd-vo Mosk. univ., 1963. 337 p.

VSEKHSVIATS'KYI, S. K. [Origin and development of comets and other minor bodies] IAk vynykaiut' i rozvyvaiut'sia komety ta inshi malí tila. [Kyiv] Vydvo Kyivs'koho univ., 1963. 93 p.

VSESOIUZNAIA KONFERENTSIIA PO KATALITICHESKIM REAKTSIIAM V ZHIDKOI FAZE, Alma-Ata, 1962. [Catalytic reactions in the liquid phase] Kataliticheskie reaktsii v zhidkoi faze, trudy Vsesoiuznoi konferentsii, Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 450 p.

VSESOIUZNOE OBSHCHESTVO GEL'MINTOLOGOV. [Helminths in man, animals and plants and their control; on the 95th birthday of Academician Konstantin Ivanovich Skriabin] Gel'minty cheloveka, zhivotnykh i rastenii i bor'ba s nimi; k 95-letiiu akademika Konstantina Ivanovicha Skriabina. Moskva, Izd-vo Akad. nauk SSSR, 1963. 523 p.

VSESOIUZNYI S"EZD ANATOMOV, GISTOLOGOV, I EMBRIOLOGOV, 6th, Kiev, 1958. [Transactions of the Sixth All-Union Congress of Anatomists, Histologists and Embryologists] Trudy. Khar'kov, M-vo zdravookhraneniia SSSR.
Vol. 2. 1961. 791 p.

VYGODSKII, M. IA. [Analytic geometry] Analiticheskaia geometriia. Moskva, Fizmatgiz, 1963. 528 p. (Osnovy vysshei matematiki, no. 1)

ZHEZHERUN, I. F., and A. A CHERNYSHOV. [Temperature effect on thermal neutron scattering by sintered beryllium oxide] Vliianie temperatury na rasseianie teplovykh neitronov spechennoi okis'iu berilliia. Moskva, In-t atomnoi energii imeni I. V. Kurchatova, 1960. 13 p.

ZHEZHERUN, I. F., and E. N. KOROLEV. [Temperature effect on the diffusion length and scattering cross section of thermal neutrons in graphite] Vliianie temperatury na diffuzionnuiu dlinu i sechenie rasseianiia teplovykh neitronov v grafite. Moskva, In-t atomnoi energii im. I. V. Kurchatova, 1960. 11 p.

ZHEZHERUN, I. F., I. P. SADIKOV, and A. A. CHERNYSHOV. [Measuring the moderation length of fission neutrons up to an energy of 0.3 ev, in sintered beryllium oxide] Izmerenie dliny zamedleniia neitronov deleniia do energii 0,3 ev, v spechennoi okisi berilliia. Moskva, In-t atomnoi energii AN SSSR, 1960. 17 p.

ZHEZHERUN, I. F., and others. [Measuring the moderation length of fission neutrons in sintered beryllium oxide up to an energy of 1.44 ev, (resonance of indium)] Izmerenie dliny zamedleniia neitronov deleniia v spechennoi okisi berilliia do energii 1,44 ev (rezonans indiia). Moskva, In-t atomnoi energii im. I. V. Kurchatova, 1960. 22 p.

ZHUKOV-VEREZHNIKOV, N. N., and A. P. PEKHOV. [Genetics of bacteria] Genetika bakterii [Moskva] Medgiz, 1963 457 p

ZVONOV, N. V., and others. [Critical tests of an organic moderator-monoizopropylbiphenyl] Kriticheskie opyty s organicheskim zamedlitelem-monoizopropildifenilom. Moskva, In-t atomnoi energii Akad. nauk SSSR, 1960. 42 p.

ZYSIN, IU. A., A. A. LBOV, and L. I. SEL'CHENKOV. [Yields of fission products and their mass distribution] Vykhody produktov deleniia i ikh raspredelenie po massam, spravochnik. Moskva, Gosatomizdat, 1963 117 p

14. MEDICINE

AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow. [Health of man in the Far North, transactions of the Scientific Session of the Academy of Medical Sciences of the U. S. S. R. and the Ministry of Public Health of the R. S. F. S. R. in Murmansk from June 22 to 24, 1961] Zdorov'e cheloveka na Krainem Severe; trudy Nauchnoi sessii Akademii meditsinskikh nauk SSSR i Ministerstva zdravookhraneniia RSFSR v Murmanske 22-24 iiunia 1961 g. Pod red. N. N. Litvinova. Moskva, Medgiz, 1963. 222 p.
(DNLM)

AMBROS, MARIA. [Education of children through the eyes of a physician] Lastekasvatusest arsti pilguga, Tallinn, Eesti Riiklik Kirjastus, 1963. 191 p. [In Estonian]
(DNLM)

ANTIPENKO, E. N. [Residual manifestations of acute radiation sickness] Ostatochnye iavleniia ostroi luchevoi bolezni. Moskva, Medgiz, 1963. 153 p.
(DNLM)

ARKHANGEL'SKII G. V. [Essay on the history of foreign neurology from its beginnings to the end of the 19th century] Ocherk po istorii zarubezhnoi nevrologii i istokov do kontsa XIX veka, uchebnoe posobie dlia prepodavatelei i studentov meditsinskikh institutov. Moskva, I-i Mosk. med. in-t im. Sechenova, 1963. 30 p.

ATANASOV, A., and P. ABADZHIEV. [Anesthesiology. Translated from the Bulgarian] Anesteziologiia, 3, izd. Pod red. St. Dimitrov. Sofia, Meditsina i fizkul'tura, 1963. 460 p.
(DNLM)

AVEDISOV, S. S. [Prolapse of the rectum] Vypadenie priamoi kishki. Moskva, Medgiz, 1963. 216 p.
(DNLM)

BABKO, I. M. [Milk formulas for the feeding of young children] Molochni sumishi dlia vyhodovuvannia ditei rann'oho viku. Vyd 2., pereroblene i dop. Kyiv, Derzhmedvydav URSR, 1963. 43 p.
(DNLM)

BABSKII, E. B., and V. L. KARPMAN. [Dynamocardiography] Dinamokardiografiia. Moskva, Medgiz, 1963. 167 p. (Biblioteka prakticheskogo vracha)
(DNLM)

BAKSHEEV, N. S. [Endemic goiter and pregnancy] Endemicheskii zob i beremennost', kliniko-eksperimental'noe issledovanie Kiev, Gosmedizdat USSR, 1963. 123 p. (Bibliotechka prakticheskogo vracha)
(DNLM)

BELOUSOV, V. A. [Manual on children's diseases] Uchebnik detskikh boleznei. Moskva, Medgiz, 1963 398 p.
(DNLM)

BEREZANTSEV, IU. A. [Trichinosis in man and animals] Trikhinellez cheloveka i zhivotnykh. Leningrad, Medgiz, 1963. 30 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

BLINKIN, S. A. [Methods of rapid bacteriological diagnosis of intestinal infections] Metody uskorennoi bakteriologicheskoi diagnostiki kishechnykh infektsii. Moskva, Medgiz, 1963 290 p.
(DNLM)

BODIAZHINA, V. I. [Problems of the etiology and prevention of disorders in the development of the fetus] Voprosy etiologii i profilaktiki narushenii razvitiia ploda Moskva, Medgiz, 1963 205 p.
(DNLM)

BRATUS', V. D. [Surgical treatment of thermal burns] Khirurgicheskoe lechenie termicheskikh ozhogov Kiev, Gosmedizdat USSR, 1963. 380 p
(DNLM)

BREGADZE, I. L., and V. M. KONSTANTINOV. [Alveolar echinococcosis (alveococcosis)] Al'veoliarnyi ekhinokokkoz (al'veokokkoz). Moskva, Medgiz, 1963. 222 p.
(DNLM)

BRUSYLOVS'KYI, L. A. [Female sterility and its treatment in the Saki mud bath resort] Bezplidnist' zhinok i ii likuvannia na Saks'komu hriaz'ovomu kurorti. Kyiv, Derzhmedvydav URSR, 1963. 28 p.
(DNLM)

BURNAZIAN, A. I., and A. V. LEBEDINSKII, eds. [Radiation medicine] Radiatsionnaia meditsina, posobie dlia vrachei i studentov. Izd. 3., pererab. i dop. Moskva, Gosatomizdat, 1963. 371 p.
(DNLM)

DEMBO, A. G., ed. [Contemporary methods of examination in sports medicine] Sovremennye metody issledovaniia v sportivnoi meditsine. Leningrad, Medgiz, 1963. 286 p
(DNLM)

FISHMAN, L. G. [Clinical aspects and treatment of finger and hand diseases] Klinika i lechenie zabolevanii pal'tsev i kisti Moskva, Medgiz, 1963. 391 p. (Biblioteka prakticheskogo vracha
(DNLM)

GENIS, D. E. [Dogs and infectious diseases of man] Sobaki i zaraznye bolezni cheloveka Moskva, Medgiz, 1963. 28 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

GOL'DFAIL', L. G., ed. [Manual for physicians on the selection of sanatoriums and health resorts] Rukovodstvo dlia vrachei po sanatorno-kurortnomu otboru. Pri uchastii R. F. Akulovoi i dr. 2. izd., dop. i ispr. Moskva, Medgiz, 1963. 511 p.
(DNLM)

GRINBERG, A. V. [X-ray diagnosis of occupational diseases of the bones and joints] Rentgenodiagnostika professional'nykh zabolevanii kostei i sustavov. [Leningrad] Medgiz, 1962. 259 p.
(DNLM)

IANUSHEVSKII, I. K. [Don't smoke!] Ne kuri! Moskva, Gos. izd-vo med. lit-ry, 1963. 28 p. (Nauchno-populiarnaia literatura. Biblioteka shkol'nika)
(DNLM)

KASATKIN, M. R. [Urological aid in lesions of the spinal cord] Urologicheskaia pomoshch' pri travme spinnogo mozga, Moskva, Medgiz, 1963. 101 p. (Biblioteka prakticheskogo vracha)
(DNLM)

KASATKINA, I. L. [Q fever] Ku-likhoradka. Moskva, Medgiz, 1963. 206 p. (Biblioteka prakticheskogo vracha)
(DNLM)

KHALETSKII, A. M. [Pharmaceutical chemistry, Inorganic compounds] Farmatsevticheskaia khimiia, neorganicheskie soedineniia, uchebnoe posobie dlia studentov-zaochnikov. Leningrad, Leningradskii khimiko-farmatsevticheskii institut, 1963. 126 p.
(DNLM)

KHOKHOL, E. N., and P. V. GOLOVIN, eds. [Ionized milk, its preparation and use] Ionizirovannoe moloko, ego prigotovlenie i primenenie. [By] E. N. Khokhol i dr. 2 izd. pererab. i dop. Kiev, Gosmedizdat USSR, 1963 150 p.
(DNLM)

KOMISSARENKO, V. P. [Splenin, its biological and therapeutic properties] Splenin, ego biologicheskie i lechebnye svoistva Kiev, Izd-vo Akad. nauk USSR, 1963. 40 p. (Nauchno-populiarnaia literatura)
(DNLM)

KORGE, KUNO. [Problems of the reactivity of the organism and desensitization therapy] Organismi reaktiivsuse ja desensibiliseeriva ravi probleeme, Tallinn, Eesti Riiklik Kirjastus, 1963. 321 p. (In Estonian with summary in Russian]
(DNLM)

KOSHARKO, K. A. [Electrokymography in the diagnosis of heart defects] Elektrokimografiia v diagnostike porokov serdtsa. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 152 p.
(DNLM)

KOVRIGINA, M. D., ed. [Nurse-teacher for day nurseries and for the younger groups in kindergartens] Sestra-vospitatel'nitsa detskikh iaslei i mladshikh grupp iaslei-sadov. Moskva, Medgiz, 1963. 547 p.
(DNLM)

KREINDLER, A., CRIGHEL, E., and I. STOICA. [Epilepsy in children. Translated from the Rumanian] Detskaia epilepsiia. Bucharest, Izd-vo Akad. Rumynskoi Narodnoi Respubliki, 1963. 269 p
(DNLM)

KUDRIN, A. N., and others. [Prescription manual] Spravochnik po retsepture, uchebnoe posobie. Pod obshchei red. A. N. Kudrina. Riazan', Riazanskii med. in-t, 1962. 205 p.
(DNLM)

KUTSENKO, A. K. [Prevention of fungous diseases] Preduprezhdenie gribkovykh zabolevanii (epidermofitii). Leningrad, Medgiz, 1963. 30 p.
(DNLM)

[LARGE MEDICAL ENCYCLOPEDIA] Bol'shaia meditsinskaia entsiklopediia. Glav. red. A. N. Bakulev. Moskva, Gos. nauchn. izd-vo "Sovetskaia entsiklopediia." Vol. 32. Tenidozy - Tullaremiia. Izd. 2. 1963. 1256 column.

——— [List of articles and terms for the letter "T"] Perechen' statei i terminov na bukvu "T" (zvidisat' vtoroi tom) 4 p.

——— [Phonorecord of sound phenomena appended to the article "Schizophrenia" no. 34] Gramnofonnaia plastinka soderzhit zapis' zvukovykh iavlenii k stat'e "Skhizofreniia," no. 34.

LEBEDEVA, V. S. [Exercise therapy in myocardial infarct] Lechebnaia fizicheskaia kul'tura pri infarkte miokarda. Leningrad, Medgiz, 1963. 141 p. (Biblioteka prakticheskogo vracha)
(DNLM)

LIDSKII, A. T. [Surgical diseases of the liver and the biliary tract system] Khirurgicheskie zabolevaniia pecheni i zhelchevyvodiashchei sistemy. Moskva, Medgiz, 1963. 495 p.
(DNLM)

LUTSENKO, S. M. [Peritonitis in old age and senility, clinical, experimental and morphological study] Peritonit v pozhilom i starcheskom vozraste, kliniko-eksperimental'no-morfologicheskoe issledovanie. Kishinev, Izd-vo "Shtiintsa" Akad. nauk Moldavskoi SSR, 1962. 214 p.
(DNLM)

MATSUEV, I. E. [Course in the department of surgery] Kurs fakul'tetskoi khirurgii; uchebnoe posobie. Riazan', Riazanskii med. in-t, 1963. 306 p.
(DNLM)

MAZURENKO, G. I. [Treatment of patients with chronic diseases of the liver and bile ducts at the Truskavets Health Resort] Lechenie bol'nykh s khronicheskimi zabolevaniiami pecheni i zhelchnykh putei na kurorte Truskavets. [n. p.] Izd-vo L'vovskogo univ., 1963 133 p.
(DNLM)

METSKAN, T. L., and others. [Clinical and laboratory significance of some metabolic processes in infectious hepatitis] Kliniko-laboratornoe znachenie nekotorykh obmennykh protsessov pri infektsionnom gepatite. Tashkent, Medgiz UzSSR, 1963. 108 p.
(DNLM)

MININA, R. M., ed. [Congenital dislocation of the hip and its treatment] Vrozhdennyi vyvikh bedra i ego lechenie. Minsk, Gosizdat BSSR, 1963. 118 p.
(DNLM)

MISHIN, A. V. [Beef tapeworm, a parasite in man] Bychii tsepen' - parazit cheloveka. Moskva, Medgiz, 1963. 20 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

MISIUK, N. S., and others. [Elements of topical diagnosis of diseases of the nervous system] Elementy topicheskoi diagnostiki zabolevanii nervnoi sistemy. Minsk, Gosizdat BSSR, 1963. 170 p.
(DNLM)

MOKHORT, V. A. [Actinomycosis of the urogenital organs] Aktinomikoz mochepolovykh organov. Minsk, Gosizdat BSSR, 1963. 109 p.
(DNLM)

MOSCOW. PERVYI MEDITSINSKII INSTITUT. [Methodological instructions for practical work in urology] Metodicheskie ukazaniia k prakticheskim zaniatiiam po urologii. Pod red. I. M. Epshteina. Moskva, 1963. 37 p.
(DNLM)

MOSCOW. PERVYI MEDITSINSKII INSTITUT. [Special methodology for practical work in topographic anatomy and operative surgery] Chastnaia metodika prakticheskikh zaniatii po topograficheskoi anatomii i operativnoi khirurgii. Izd. 2., perer. i dop. Pod red. V. V. Kovanova. Moskva, 1963. 224 p.
(DNLM)

MOSCOW. PERVYI MEDITSINSKII INSTITUT. Kafedra organizatsii zdravookhraneniia. [Problems for practical work on the organization of public health] Zadaniia k prakticheskim zaniatiiam po organizatsii zdravookhraneniia. Izd. 2., ispr. i dop. Moskva, 1963. 157 p.
(DNLM)

MUKHIN, M. V., ed. [Operative maxillofacial surgery] Operativnaia chelliustno-litsevaia khirurgiia. Leningrad, Medgiz, 1963. 368 p.
(DNLM)

[MULTIVOLUME MANUAL ON NEUROLOGY] Mnogotomnoe rukovodstvo po nevrologii. [Leningrad] Medgiz. Vol. 4. (In two parts. V dvukh chastiakh) [Vascular diseases of the nervous system and diseases of the vegetative nervous system] Sosudistye zabolevaniia nervnoi sistemy i zabolevaniia vegetativnoi nervnoi sistemy. Red. N. K. Bogolepov i V. V. Mikheev. [1963] 618 p.

MUROMTSEV, S. N., ed. [N. F. Gamaleia's contribution to microbiology and epidemiology] Vklad N. F. Gamalei v mikrobiologiiu i epidemiologiiu. Moskva, Akad. med. nauk 1962. 163 p.
(CtY)

NAUMOVICH, S. S. [Surgical treatment of fractures of the femoral neck] Operativnoe lechenie perelomov sheiki bedra. Minsk, Gosizdat BSSR, 1963. 78 p.
(DNLM)

NEGOVSKII, V. A. [Return to life] Vozvrashchenie k zhizni; rasshirennaia stenogramma lektsii, prochitannoi v TSentral'nom lektorii Vsesoiuznogo obshchestva "Znanie," Moskva, Izd-vo "Znanie," 1963. 40 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no. 19)

PARFENOV, A. P. [Healing properties of nature] TSelebnye svoistva prirody. Leningrad, Ob-vo po rasprostraneniiu politicheskikh i nauchn. znanii RSFSR, 1963. 42 p.
(DNLM)

PETRISHCHEVA, P. A., E. N. LEVKOVICH, and S. T. BOLDYREV. [Japanese encephalitis] Iaponskii entsefalit. Moskva, Medgiz, 1963. 178 p. (Biblioteka prakticheskogo vracha)
(DNLM)

PETROV, D. G. [Preservation and transfusion of blood] Konservirovanie i perelivanie krovi. Kiev, Gosmedizdat USSR, 1963. 221 p. (Biblioteka prakticheskogo vracha)
(DNLM)

PETROVSKII, B. V., and A. A. KESHISHEVA. [Surgical treatment of patent ductus arteriosus] Khirurgicheskoe lechenie otkrytogo arterial'nogo protoka. Moskva, Medgiz, 1963. 249 p.
(DNLM)

PICHKUR, I. F. [Botkin's epidemic hepatitis, manual for subprofessional medical personnel] Epidemicheskii gepatit Botkina, posobie dlia srednikh meditsinskikh rabotnikov. Moskva, Medgiz, 1963. 61 p. (Biblioteka srednego medrabotnika)
(DNLM)

PLOTICHER, S. M. [Diagnostic laboratory studies] Laboratornye diagnosticheskie issledovaniia. Kiev, Gosmedizdat USSR, 1962. 520 p.
(DNLM)

POPOV, G. A. [Physicians and the planning of their training] Vrachebnye kadry i planirovanie ikh podgotovki. Moskva, Medgiz, 1963. 225 p.

POTAPOV, I. I., N. V. ZBEROVSKAIA, and V. O. KALINA. [Tympanoplasty] Timpanoplastika. Pod obshch. red. I. I. Potapova. Moskva, Medgiz, 1963. 166 p.
(DNLM)

REIZMAN, A. M., and F. I. BAGROV. [Exercise therapy and massage in scoliosis] Lechebnaia gimnastika i massazh pri skoliozakh. Moskva, Medgiz, 1963. 139 p.
(DNLM)

RESPUBLIKANSKAIA KONFERENTSIIA UROLOGOV UKRAINSKOI SSR, 1960. [Transactions of the Republic Conference of Urologists (dedicated to the 150th anniversary of N. I. Pirogov's birth)] Trudy Respublikanskoi konferentsii urologov (posviashchena 150-letiiu so dnia rozhdeniia N. I. Pirogova) 27-29 iiunia 1960 g. Kiev, Gosmedizdat, USSR, 1962. 386 p.
(DNLM)

RYBAL'SKII, M. I., G. P. TOKIN, and L. D. GISSEN. [Daily records for patients in psychiatric hospitals] Opyt odnodnevnogo ucheta bol'nykh v psikhiatricheskikh statsionarakh. Pod red. L. L. Rokhlina i T. I. Gol'dovskoi. Moskva, TSentr. Mosk. obl. klinicheskaia psikhiatricheskaia bol'nitsa, 1963. 78 p.
(DNLM)

SABEL'NIKOV, I. I. [Hypertrophy of the prostate gland] Gipertrofiia predstatel'noi zhelezy. Moskva, Medgiz, 1963. 215 p. (Biblioteka prakticheskogo vracha)
(DNLM)

SARKIZOV-SERAZINI, I. M. [Sources of life] Istochniki zhizni, izd. 2. Moskva, Fizkul'tura i sport, 1963. 40 p. (Bibliotechka "Fizkul'tura i zdorov'e").
(DNLM)

SEMENOVA-TIAN-SHANSKAIA, V. V. [Acute leukemia and the nervous system] Ostryi leikoz i nervnaia sistema. Leningrad, Medgiz, 1963. 96 p.
(DNLM)

SOKOLOV, V. V. [Metals and plastics in surgery] Metally i plastmassy v khirurgii. Moskva, Izd-vo "Znanie," 1963. 31 p. (Narodnyi universitet kul'tury. Fakul'tet zdorov'ia, no. 9)

TUR, A. F. [Pediatric hematology] Gematologiia detskogo vozrasta. Izd. 2., ispr. i dop. Leningrad, Medgiz, 1963. 395 p.
(DNLM)

VALIAEVA, K. N., comp. [Manual on work protection and safety technique for public health personnel] Spravochnik po okhrane truda i tekhnike bezopasnosti dlia rabotnikov zdravookhraneniia. Moskva, Medgiz, 1963. 445 p.

VERKHATSKII, N. P. [Prevention of premature aging in women] Preduprezhdenie prezhdevremennogo stareniia zhenshchin. Izd. 2., ispr. i dop. Kiev, Gosmedizdat USSR, 1963. 129 p.
(DNLM)

VERSHYHORA, A. IU., L. V. HRYHOR'IEVA, and O. P. SYNEL'NYKOVA. [Practical handbook of medical microbiology] Praktychnyi posibnyk z medychnoi mikrobiolohii. Kyiv, Derzhmedvydav URSR, 1963. 194 p.
(DNLM)

VILIAVIN, G. D., and O. V. SHUMOVA. [Pathogenesis and treatment of burn disease] Patogenez i lechenie ozhogovoi bolezni. Moskva, Medgiz, 1963. 275 p.
(DNLM)

VISHNEVSKII, A. A., P. N. MAZAREV, and A. D. DZHAGARIAN. [Atlas of angiocardiography, congenital heart defects] Atlas angiokardiografii, vrozhdennye poroki serdtsa. Erevan, Armianskoe gos. izd-vo, 1963. 354 p.
(DNLM)

VOLOVIK, A. B. [Heart diseases in children] Bolezni serdtsa u detei. Leningrad, Medgiz, 1963. 44 p. (Nauchno-populiarnaia meditsinskaia biblioteka)
(DNLM)

VSESOIUZNAIA KONFERENTSIIA PO PROBLEME "GIGIENA SELA." [Problems of rural hygiene] Voprosy gigieny sela, [sbornik dokladov]. Pod red. D. N. Kaliuzhnogo. Kiev, Gosmedizdat USSR, 1962. 241 p.
(DNLM)

ZAITSEV, G. P., and V. A. GOLOGORSKII. [Potentiated anesthesia in the surgical clinic] Potentsirovannyi narkoz v khirurgicheskoi klinike. Moskva, Medgiz, 1963. 248 p.
(DNLM)

ZHUK, A. P. [Development of public medical thought in Russia during the 1860's and 1870's] Razvitie obshchestvenno-meditsinskoi mysli v Rossii v 60-70 gg. XIX veka. Moskva, Medgiz, 1963. 381 p.

ZHUMATOV, KH. ZH., and F. G. DARDIK. [Infectious hepatitis (Botkin's disease), its epidemiology and prevention] Infektsionnyi gepatit (bolezn' Botkina), epidemiologiia i profilaktika. Alma-Ata, Kazgosizdat, 1962. 201 p.
(DNLM)

15. AGRICULTURE

AKADEMIIA NAUK SSSR. Laboratoriia aerometodov. [Methods of aerial photo interpretation in forest inventories] Metody deshifrirovaniia lesov po aerosnimkam. Moskva, Izd-vo Akad. nauk SSSR, 1963. 138 p.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. [Apomixy and some new methods of plant breeding] Apomiksis i nekotorye novye metody selektsii rastenii. Novosibirsk, 1963. 146 p.

ALEKSEICHIK, N. A. [Mechanization of the production and use of local fertilizers] Mekhanizatsiia proizvodstva i vnesenila mestnykh udobrenii. Minsk, Gos. izd-vo sel'skokhoziaistvennoi lit-ry BSSR, 1963. 202 p.
(DNAL)

BUTUZOV, A. F., and V. K. VASILEVSKII. [Conducting individual exercises in tractor and combine operations] Provedenie individual'nykh zaniatii po vozhdeniiu traktorov i kombainov. Moskva, Profizdat, 1963. 49 p. (Obmen opytom raboty)

CHEBOTAEV, N. F., and V. I. DAN'KO. [Carrots as feed] Morkov' na korm. Moskva, Sel'khozizdat, 1963. 102 p.
(DNAL)

CHESALIN, G. A. [Cultivation and chemical measures in weed control] Agrotekhnicheskie i khimicheskie mery bor'by s sornniakami. Moskva, Sel'khozizdat, 1963. 214 p.
(DNAL)

DENSHCHIKOV, M. T. [Use of industrial waste waters for the production of feed yeasts] Ispol'zovanie promyshlennykh stochnykh vod dlia proizvodstva kormovykh drozhzhei. Moskva, Pishchepromizdat, 1963. 22 p.

DMITRIEVA, M. V. [Fruit culture in Irkutsk Province] Sadovodstvo Irkutskoi oblasti. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1956. 214 p.
(WaU)

DMITROCHENKO, A. P. [Manual of practical exercises in the feeding of farm animals] Rukovodstvo k prakticheskim zaniatiiam po kormleniiu sel'skokhoziaistvennykh zhivotnykh. Moskva, Sel'khozizdat, 1963. 286 p.
(DNAL)

[DRAINING AND UTILIZING PEAT-BOG SOILS] Osushenie i ispol'zovanie torfyano-bolotnykh pochv. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 316 p.

DUBNAGO, F. P. [Standard Russian methods and practice] Russkie regulyarnye sady i parki. Leningrad, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1963. 349 p.

ESAULOV, P. A., and G. R. LITOVCHENKO, eds. [Stockfarming] Otraslevoe. Moskva, Sel'khozizdat, 1963. 719 p.
(DNAL)

FEDOR, M. V. [Corn] Kukuruza. [Orel] Orlovskoe knizhnoe izd-vo, 1963. 150 p.
(DNAL)

GARKUSHA, I. F. [Soil science and the fundamentals of geology] Pochvovedenie s osnovami geologii. Moskva, Sel'khozizdat, 1963. 258 p. (Uchebnika i uchebnoe posobiia dlia sel'skokhoziaistvennykh tekhnikumov.)

GORE, A. P., ed. [Manual of field work in the breeding and seed production of field crops] Rukovodstvo k prakticheskim zaniatiiam po selektsii i semenovodstvu polevykh kul'tur. [By] A. P. Gorin i dr. Moskva, Sel'khozizdat, 1963. 574 p.
(DNAL)

[GROWTH STIMULATORS FOR FARM ANIMALS] Stimuliatory rosta sel'skokhoziaistvennykh zhivotnykh. [By] K. M. Solntsev i dr. Moskva, Sel'khozizdat, 1963. 290 p.
(DNAL)

IVANOV, A. P. [Chemical analysis of fishes and their feeds, practical manual for pisciculturists] Khimicheskii analiz ryb i ikh kormov, prakticheskoe rukovodstvo dlia rybovodov. Moskva, Rybnoe khoziaistvo, 1963. 38 p.
(DNAL)

KOV'KOV, F. V. [Hygiene of raising and housing calves] Gigiena vyrashchivaniia i sokhraneniie teliat. 2., pererab. i dop. izd. Moskva, Izd-vo M-va sel'khoz. RSFSR, 1963. 62 p.
(DNAL)

KRUGLOV, A. L., and A. S. MUKHACHEV. [Yaroslavl cattle] Iaroslavskii skot. Moskva, Sel'khozizdat, 1963. 312 p.
(DNAL)

KUSHNER, FR. F. [Crossbreeding in commercial poultry raising] Mezhporodnye skreshchivaniia v tovarnom ptitsevodstve. Moskva, Izd-vo Akad. nauk SSSR, 1954. 69 p. (Nauchno-populiarnaia seriia "V pomoshch' sel'skomu khoziaistvu")
(ICMILC)

[LABOR PROTECTION IN AGRICULTURAL ESTABLISHMENTS] Tuokaitse ja ohutustehnika pollumajandusettevotetes. Tallinn, Eesti Riiklik Kirjastus, 1963. 489 p. [In Estonian]

LIASHKO, I. I. [Solution of percolation problems by the method of integrable representations] Reshenie fil'tratsionnykh zadach metodom summarnykh predstavlenii. [Kiev] Izd-vo Kievskogo univ., 1963. 173 p.

MALYSHKO, A. K. [Tractor comes to the felling area] Traktor vykhodit na lesoseku. Minsk, Gosizdat BSSR, 1963. 30 p. (Bibliotechka novatora)
(DNAL)

[MANUAL ON PRODUCTION PLANNING AND ORGANIZATION ON COLLECTIVE AND STATE FARMS] Dovidnyk po planuvannu i organizatsii vyrobnytstva v kolhospakh i radhospakh. Kyiv, Derzhsil'hospvydav URSR, 1963. 935 p.
(DNAL)

[MANUAL ON THE SUPPLY OF MOISTURE AVAILABLE TO BASIC FARM CROPS IN THE UKRAINE] Spravochnik po zapasam produktivnoi vlagi pod osnovnymi sel'skokhoziaistvennymi kul'turami na Ukraine. Kiev, Gossel'khozizdat USSR, 1963. 547 p.

MARKOVA, K. V., and A. D. AL'TMAN. [Factors which effect the composition of milk] Kakie faktory vliiaiut na sostav moloka. Moskva, Izd-vo M-va sel'. khoz. RSFSR, 1963. 155 p.
(DNAL)

MESIATSEV, A. S. [Promoting multiparity in sheep] Povyshenie mnogoplodiia ovets. Moskva, Sel'khozizdat, 1963. 95 p.
(DNAL)

PRIANISHNIKOV, D. N. [Selected works in three volumes] Izbrannye sochineniia v trekh tomakh. Moskva, Sel'khozizdat, 1963.
Vol. 3. [General problems of agriculture and chemicalization] Obshchie voprosy zemledeliia i khimizatsii. 1963. 644 p.
(DNAL)

ROZHNOVA, T. A. [Soil cover of the Karelian Isthmus] Pochvennyi pokrov Karel'skogo peresheika. Moskva, Izd-vo Akad. nauk SSSR, 1963. 182 p.

RUSSIA (1917- R. S. F. S. R.) Glavnoe upravlenie lesnogo khoziaistva i okhrany lesa. [Instructions for carrying-out reforestation operations in the state forests of the European part of the R. S. F. S. R.] Ukazaniia po provedeniiu lesovosstanovitel'nykh rabot v gosudarstvennom lesnom fonde Evropeiskoi chasti RSFSR. Odobreno Tekhsovetom Glavleskhoza RSFSR i prinsia 1962 g. Moskva, Goslesbumizdat, 1963. 188 p.

SAVEL'EV, I. K., ed. [Intensive duck raising] Intensivnoe utkovodstvo. Moskva, Sel'khozizdat, 1963. 119 p.
(DNAL)

SENCHENKO, G. I., A. I. ARINSHTEIN, and M. A. TIMONINA, eds. [Hemp] Konoplia. Moskva, Sel'khozizdat, 1963. 462 p.
(DNAL)

SENKEVICH, A. A. [Green shelterbelts, shelterbelt afforestation in our country and abroad] Zelenye zashchitnye lesonasazhdeniia u nas i za rubezhom. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. V Seriia Sel'skoe khoziaistvo, no. 20)

SHMIDT, V. V. [Recent developments are introduced into the cutting area] Novoe pri rubkakh v lesoseku. [Perm'] Permskoe knizhnoe izd-vo, 1963. 105 p.
(DNAL)

SOVESHCHANIE PO VOPROSAM AMINOKISLOTNOGO PITANIIA SEL'SKOKHOZIAISTVENNYKH ZHIVOTNYKH 1st, Kharkov, 1962. [Amino acid nutrition of swine and poultry] Aminokislotnoe pitanie svinei i ptitsy, [materialy] Pod red. N. G. Rostovtseva. Moskva, Sel'khozizdat, 1963. 219 p.
(DNAL)

SUKHOVERKHOV, F. M. [Pond fish culture] Prudovoe rybovodstvo. Moskva, Sel'khozizdat, 1963. 422 p.
(DNAL)

UL'IANOV, I. P. [Vegetable factories] Fabriki ovoshchei. Moskva, Izd-vo "Znanie," 1963. 39 p. (Na odnu iz universitet kul'tury. Sel'skokhoziaistvennyi fakul'tet, no. 9)

VARRO, MARCUS TERENTIUS. [Agriculture (Rerum rusticarum libri tres). Translated from the Latin] Sel'skoe khoziaistvo. Kommentarii i vstupitel'naia stat'ia M. E. Sergeenko. Moskva, Izd-vo Akad. nauk SSSR, 1963. 216 p.

VOLKOPIALOV, B. P. [Swine raising] Svinovodstvo. 3., pererab. izd. Moskva, Sel'khozizdat, 1963. 380 p. (Uchebniki i uchebnye posobiia)
(DNAL)

VSESOIUZNAIA AKADEMIIA SEL'SKOKHOZIAISTVENNYKH NAUK IMENI V. I. LENINA. [Progress of science in stockbreeding; reports at the jubilee session of the Academy of Sciences of the U. S. S. R. and the All-Union Academy of Agricultural Sciences devoted to the centenary of the birth of I. V. Michurin (1955)] Dostizhenila nauki v zhivotnovodstve; doklady na iubileinoi sessii Akademii nauk SSSR i Vsesoiuznoi Akademii sel'skokhoziaistvennykh nauk imeni V. I. Lenina, posviashchennoi 100-letiiu so dnia rozhdeniia I. V. Michurina (1955 g.). Moskva, Gos. izd-vo sel'khoz. lit-ry, 1959. 302 p.
(WU)

VSESOIUZNAIA MEZHVUZOVSKAIA NAUCHNO-METODICHESKAIA KONFERENTSIIA PO PATOLOGICHESKOI ANATOMII SEL'SKOKHOZIAISTVENNYKH ZHIVOTNYKH, Voronezh, 1960. [Transactions of the All-Union Interuniversity Conference on the Pathological Anatomy of Farm Animals] Trudy. Voronezh, Izd-vo Voronezhskogo univ., 1961. 499 p.
(DNAL)

ZHURAVEL', B. M. [Millet growing in White Russia] Kul'tura prosa v BSSR. Minsk, Gos. izd-vo sel'khozlaisttvennoi lit-ry BSSR, 1963. 42 p.
(DNAL)

ZHURAVLEV, I. I. [Phytopathology] Fitopatologiia. Moskva, Sel'khozizdat, 1963. 279 p.

16. TECHNOLOGY

ABDULLAEV, A. A., and I. A. NABIEV. [Systems of automatic remote control measurement of the yield of oil wells] Sistema avtomaticheskogo telemetricheskogo debita neftianykh skvazhin. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 207 p.

ABELEVICH, L. A. [Running-in and testing motor vehicle units in overhauling] Prirabotka i ispytanie agregatov avtomobilei pri kapital'nom remonte. Pod red. V. V. Efremova. [Moskva] Mosvuzizdat, 1963. 52 p.

ABRAMOV, N. F., V. I. GOLOSKOVA, and Z. B. LIBGOR. [Using power tools in training mechanics] Primenenie mekhanizirovannogo instrumenta v protsesse obucheniia slesarei. Moskva, Profizdat, 1963. 50 p. (Obmen opytom raboty)

ABRAMOV, N. N. [Long-distance water supply] Podacha vody na dal'nie rasstoianiia. Moskva, Gosstroiizdat, 1963. 211 p.

AFANAS'EV, P. S. [Woodworking machines] Derevoobrabatyvaiushchie stanki. 3. izd., dop. Moskva, Profizdat, 1963. 415 p.

AFANAS'EV, V. G., and L. S. FILATOV. [Innovations and efficiency promoters in agriculture] Iacheiki i racionalizatory sel'skomu khoziaistvu. Moskva, Sel'khozizdat, 1963. 133 p.

AFANAS'EV, V. V. [High-voltage air-blast circuit switches] Razryvniteli peremennogo toka vysokogo napriazhenila. Moskva, Gosenergoizdat, 1963. 223 p.

AGEEV, V. M., and V. K. ROSTOTSKII. [Machinery and equipment for rural construction] Mashiny i oborudovanie dlia sel'skogo stroitel'stva, spravochnik. Moskva, Mashgiz, 1963. 316 p.

AGUR, USTUS, and HUGO TIISMUS. [Electric furnaces] Elektriajamid. Tallinn, Eesti Riiklik Kirjastus, 1963. 625 p. [In Estonian]

AIRAPETIANTS, A. V., and L. D. ROZENKEVICH. [Organic semiconductors] Organicheskie poluprovodniki. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1963. 32 p. (Seriia "Poluprovodniki," no. 4)

AKADEMIIA NAUK SSSR. Institut lesa i drevesiny. [Studies in the field of chemistry and chemical technology of wood] Issledovaniia v oblasti khimii i khimicheskoi tekhnologii drevesiny. Moskva, Izd-vo Akad. nauk SSSR, 1963. 121 p.

AKADEMIIA NAUK SSSR. Institut neftekhimicheskogo sinteza. [Organic semiconductors] Organicheskie poluprovodniki. Moskva, Izd-vo Akad. nauk SSSR, 1963. 317 p.

AKADEMIIA NAUK SSSR. Institut neftekhimicheskogo sinteza. [Separation and analysis of hydrocarbon gases] Razdelenie i analiz uglevodorodnykh gazov, sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 231 p.

AKADEMIIA NAUK SSSR. Laboratoriia gidrogeologicheskikh problem. [Formation of the properties of the rocks in the lithogenetic process from the viewpoint of engineering geology] Formirovanie inzhenerno-geologicheskikh svoistv glinistykh porod v protsesse litogeneza. Moskva, Izd-vo Akad. nauk SSSR, 1963. 222 p.

AKADEMIIA NAUK SSSR. TSentral'naia nauchno-issledovatel'skaia laboratoriia elektricheskoi obrabotki metallov. [Electric spark machining of metals] Elektroiskrovaia obrabotka metallov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 207 p.

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Otdelenie khimicheskikh nauk. [Problems of the chemical technology and physicochemical analysis of inorganic systems] Nekotorye voprosy khimicheskoi tekhnologii i fiziko-khimicheskogo analiza neorganicheskikh sistem. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 265 p.

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut osnovanii i podzemnykh sooruzhenii. [Foundation engineering] Osnovaniia i fundamenty. [By] N.M. Sobolev i dr. Moskva, Gosstroiizdat, 1963. 295 p. (Seriia prakticheskikh posobii po povysheniiu masterstva rabochikh v promyshlennom stroitel'stve)

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Leningradskii filial. [Apartment houses made of cellular concrete] Zhilye doma iz iacheistogo betona, sbornik nauchnykh trudov. Leningrad, Gosstroiizdat, 1963. 235 p.

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. TSentral'nyi nauchno-issledovatel'skii i eksperimental'no-proektnyi institut industrial'nykh zhilykh i massovykh kul'turno-bogatykh zdanii. [Prefabricated floor and ceiling structures] Poly i perekrytiia industrial'nogo ispolneniia. Moskva, Gosstroiizdat, 1963. 71 p. (V pomoshch' krupnopanel'nomu domostroeniiu)

AL'BATS, M. E. [Handbook for designing filters and delay lines] Spravochnik po raschetu fil'trov i linii zaderzhki. Moskva, Gosenergoizdat, 1963. 200 p.

AL'BOV, M. N., and V. L. CHELYSHEV. [Mechanical trenching in testing cores of exploratory boreholes] Burozavodoye mekhanicheskoe opiobovanie kernov razvedochnykh skvazhin. Moskva, Gosgeoltekhizdat, 1963. 66 p.

ALEKSAPOL'SKII, D. IA. [Hydrodynamic transmissions] Gidrodinamicheskie peredachi. Moskva, Mashgiz, 1963. 271 p.

ALMA-ATA. KAZAKHSKII GOSUDARSTVENNYI SEL'SKOKHOZIAISTVENNYI INSTITUT. Fakul'tet mekhanizatsii. [Study manual for a machinery operator] Uchebnik-spravochnik mekhanizatora. Alma-Ata, Kazsel'khozgiz, 1963. 326 p.

AL'PEROVICH, S. Z. [Handbook on the erection of reinforced-concrete structures] Pamiatka montazhnika zhelezobetonnykh konstruktsii. Izd. 2, perer. i dop. Kiev, Gosstroiizdat USSR, 1963. 141 p.

AL'TSHULER, V. S., and G. P. SECHENOV. [Fluidized bed processes under pressure] Protsessy v kipiashchem sloe pod davleniem. Moskva, Izd-vo Akad. nauk SSSR, 1963. 213 p.

ANGELEIKO, V. I., G. I. ZOLOTUKHIN, and I. M. NEPOKUPNYI. [Collective of creative labor, experience of the railroad workers of the Lozovaya Division of the Southern Railroad] Kollektiv tvorcheskogo truda, opyt puteitsev Lozovskoi distantsii IUzhnoi dorogi. Moskva, Transzheldorizdat, 1963. 41 p.

ANUCHIN, N. P. [Grade and commodity tables for pine, spruce, larch, Siberian pine, fir, birch, aspen, oak, and Carpathian beech] Sortimentnye i tovarnye tablitsy dlia sosny, eli, listvennitsy, kedra, pikhty, berezy, osiny, duba i buka karpatskogo. Izd. 5., perer. i dop. Moskva, Goslesbumizdat, 1963. 408 p.

ANUFRIEV, A. F., and IA. A. SUPRIAGA. [Power resources of the Komi A. S. S. R.] Energeticheskie resursy Komi ASSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 64 p.

ARDAEV, V. B. [Safety manual for loaders on construction sites] Pamiatka po tekhnike bezopasnosti dlia gruzchika na stroitel'stve. Moskva, Gosstroiizdat, 1963. 23 p.

ARTOBOLEVSKII, S. I. [Theory of mechanisms and machines] Teoriia mekhanizmov i mashin. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 340 p.

ARUKULA, HEINO, HELMUT KASESALU, and JAAN KUUSIK. [Mining engineering] Kaevurifood. Tallinn, Eesti Riiklik Kirjastus, 1963. 393 p. [In Estonian]

ASRIIANTS, A. I. [Reconditioning parts by metallization] Vosstanovlenie detalei metallizatsiei, po kursu "Proizvodstvo i remont avtomobilei" (uchebnoe posobie). Pod red. V. V. Efremova. Moskva, Rosvuzizdat, 1963. 24 p.

ATABEKOV, G. I., ed. [Theoretical principles of electrical engineering in three parts] Teoreticheskie osnovy elektrotekhniki [v trekh chastiakh]. Moskva, Gosenergoizdat.
Pt. 3. Kupatlian, S. D. [Electromagnetic field] Elektromagnitnoe pole. 1963. 110 p.

[AUTOMATION OF PRODUCTION PROCESSES AND INDUSTRIAL ELECTRONICS, encyclopedia of modern technology] Avtomatizatsiia proizvodstva i promyshlennaia elektronika, entsiklopediia sovremennoi tekhniki Glav. red. A. I. Berg i V. A. Trapeznikov. Moskva, Sovetskaia entsiklopediia. (Entsiklopedii, slovari, spravochniki)
Vol. 2. K - Pogreshnost' izmereniia. 1963. 528 p.

AVALIANI, A. SH. [New engineering metals, titanium, zirconium, niobium and uranium] Metally novoi tekhniki, titan, tsirkoniI, niobii i uran. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 225 p. [In Georgian]

AZERBAIDZHANSKAIA RESPUBLIKANSKAIA GIDROLOGICHESKAIA NAUCHNAIA SESSIIA, POSVIASHCHENNAIA 40-i GODOVSHCHINE KOMPARTII AZERBAIDZHANA I POBEDY SOVETSKOI VLASTI V AZERBAIDZHANE. 1st, 1960. [Study and utilization of mineral water resources in the Azerbaijan S. S. R.] Izuchenie i osvoenie gidrominera1'nykh resursov Azerbaidzhanskoi SSR, trudy. Baku, Akad. nauk Azerbaidzhanskoi SSR, 1962. 157 p.
[MICROFILM]

BABAIANTS, I. S. [Technology of making windings from glass insulated copper wire] Tekhnologiia namotki izdelii mednym provodom v steklianoi izoliatsii. Leningrad, 1963. 16 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Pribory i elementy avtomatiki, no. 4)

BAKHCHISARAITSEV, A. N. [Classification of rocks and industrial standards for hole boring] Klassifikatsii gornykh porod i tekhnicheskie normy vyrabotki na burenie shpurov. Moskva, Gosgeoltekhizdat, 1963. 134 p.

BALALAEV, G. A., and N. A. MOSHCHANSKII, eds. [Corrosion protection in the construction of industrial buildings] Zashchita ot korrozii v promyshlennom stroitel'stve. Moskva, Gosstroiizdat, 1963. 406 p. (Spravochnik po spetsial'nym rabotam)

BAL'MAKOVA, I. K. [Economic efficiency of the erection of large-panel houses directly from the means of transportation] Ekonomicheskaia effektivnost' montazha krupnopanel'nykh domov s transportnykh sredstv. Leningrad, 1963. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Stroitel'noe proizvodstvo, no. 3)

BANYKIN, B. N. [Design and construction of large-panel houses] Proektirovanie i stroitel'stvo krupnopanel'nykh domov. Leningrad, Gosstroiizdat, 1963. 178 p.

BARABANOV, V. E., V. I. VASILEVSKII, and S. M. LEVIN. [Electric equipment of tractors and motor vehicles] Elektrooborudovanie traktorov i avtomobilei. Moskva, Sel'khozizdat, 1963. 390 p.

BARDIN, A. N. [Technology of optical glass manufacture] Tekhnologiia opticheskogo stekla. Izd. 3., perer. i dop. Moskva, Vysshaia shkola, 1963. 518 p.

BARINOV, N. A., A. F. LANDA, and P. S. PAUTYNSKII. [Technology of metals] Tekhnologiia metallov. Pod red. N. A. Barinova. Moskva, Metallurgizdat, 1963. 554 p.

BASHNEFT', OB"EDINENIE. [Striving for the title of enterprise of communist labor, drilling practices of the office no. 1 of the Tuymazy Oil Well Drilling Trust] V bor'be za zvanie predpriiatiia kommunisticheskogo truda, iz opyta raboty kontory burenila No. 1, tresta "Tuimazaburneft'." [Ufa] 1963. 50 p. (Vystavka dostizhenii narodnogo khoziaistva SSSR)

BELIAEVA, I. N., and N. N. VLADIMIROV. [Cutting and sewing of children's clothing] Kroika i shit'e detskogo plat'ia. Moskva, Gizleggrom, 1963. 186 p.

BELINKII, E. A. [Efficient water-heating systems] Ratsional'nye sistemy vodianogo otopleniia. Leningrad, Gosstroiizdat, 1963. 207 p.

BELOTELOV, P. P. [Connection of pay telephones in crossbar automatic telephone exchanges] Vkliuchenie telefonov-avtomatov (taksofonov) v koordinatnye ATS, lektsiia po kursu "Telefoniia." Moskva, Redaktsionno- izdatel'skii otdel VZEIS, 1963. 7 p.

BELOUSOV, IA. P. Kazakhstanskaia Magnitka. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 175 p.

BERG, A. I. [Cybernetics and reliability] Kibernetika i nadezhnost'. Moskva, Izd-vo "Znanie," 1963. 30 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia Tekhnika, no. 21)

BERGER, IU. B., and A. S. BOGDANSKII. [Organization of specialized mechanization units] Spetsializirovannaia baza mekhanizatsii. Moskva, Avtotransizdat, 1963. 101 p. (Obmen tekhnicheskim opytom avtotransportnykh predpriiatii)

BERMAN, L. S. [New transistor devices in radio engineering, negative resistance devices] Novye radiotekhnicheskie poluprovodnikovye pribory, pribory s otritsatel'nym soprotivleniem. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1963. 33 p. (Seriia "Poluprovodniki," no. 8)

BESEKERSKII, V. A., ed. [Collection of problems on the theory of automatic control] Sbornik zadach po teorii avtomaticheskogo regulirovaniia. [By] V. A. Besekerskii i dr. Moskva, Fizmatgiz, 1963. 408 p.

BIDERMAN, V. L., ed. [Motor-vehicle tires, design, construction, testing, and operation] Avtomobil'nye shiny' konstruktsiia, raschet, ispytanie, ekspluatatsiia. [By] V. L. Biderman i dr. Moskva, Goskhimizdat, 1963. 382 p.

BITKOLOV, N. Z., and V. S. NIKITIN. [Ventilation of open pit mines] Provetrivanie kar'erov. Moskva, Gosgoltekhizdat, 1963. 251 p.

BLANTER, S. G. [Industrial electronics] Promyshlennaia elektronika. Moskva, Gostoptekhizdat, 1963. 368 p.

BODROV, V. A., and S. N. GRIGOR'EV. [Processing of raw whale products on whale factory ships] Pererabotka kitovogo syr'ia na kitobazakh. Moskva, Pishchepromizdat, 1963. 362 p.

BOGATYKH, IA. D. [Safety manual for the carpenter] Pamiatka po tekhnike bezopasnosti dlia stoliara. Izd. 2., perer. i dop. Moskva, Gosstroiizdat, 1963. 15 p. (Tekhnika bezopasnosti v stroitel'stve)

BOGDANOV, F. IA., and N. I. MARTYNOV. [Handbook for the foreman and brigade chief of the car-wheel shop] Posobie masteru i brigadiru kolesnogo tsekha. Moskva, Transzheldorizdat, 1963. 270 p. diagrs, insert

BOGORODITSKII, N. P., and V. V. PASYNKOV, eds. [Ceramic materials in radio engineering] Radiokeramika. [By] N. P. Bogoroditskii i dr. Moskva, Gosenergoizdat, 1963. 553 p.

BORISHANSKII, V. M., and others, eds. [Liquid metals] Zhidkie metally, sbornik statei. Moskva, Gosatomizdat, 1963. 323 p.

BORODIN, I. V. [Technology of the construction of water-supply and sewage installations] Tekhnologiia stroitel'stva vodoprovodno-kanalizatsionnykh sooruzhenii. Izd. 2, perer. i dop. Moskva, Gosstroiizdat, 1963. 374 p.

BORULIA, V. L. [Advantage of electrification] Plius elektrifikatsiia. Moskva, Politizdat, 1963. 91 p. (Stranitsy istorii Sovetskoi Rodiny)

BOSYI, N. D. [Communication channels] Kanaly sviazi. Kiev, Gostekhizdat USSR, 1963. 391 p.

BRIANSKII AVTOMOBIL'NYI ZAVOD. [Catalog of spare parts for the T-140, T-180, and D-804 tractors] Katalog zapasnykh chastei traktorov T-140, T-180 i D-804. Moskva, Mashgiz, 1963. 266 p.

[BRINGING LARGE-SCALE CHEMISTRY TO THE DONETS BASIN] Donbassu - bol'shuiu khimiiu. [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 92 p.

BRODSKII, A. IA., and A. M. FRIDMAN. [Investigating the welding of reinforcements for reinforced-concrete structures; welding of 35GS reinforcement steel] Issledovaniia svarki armatury zhelezobetonnykh konstruktsii; svarka armaturnoi stali marki 35GS. Moskva, Gosstroiizdat, 1963. 85 p.

BRODSKII, M. G., I. M. VISHNEVETSKII, and IU. V. GRLIMAN. [Repair, operation, and modernization of elevators] Remont, ekspluatatsiia i modernizatsiia liftov. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 119 p.

BULATOV, G. A. [Plastic foams used in airplane manufacture] Penoplasty v aviatsionnoi tekhnike. Pod red. B. I. Loseva. Moskva, Voenizdat, 1963. 93 p. (Za voenno-tekhnicheskie znaniia)

BULATOV, V. F. [Boring machine operator in underground mining] Mashinist burovykh stankov na podzemnykh gornykh rabotakh. Moskva, Gosgortekhizdat, 1963. 147 p.

BURGUCHEV, S. A., ed. [Course on electric power plants, substations, and power systems] Praktikum po elektricheskim stantsiiam, podstantsiiam i sistemam. [By] A. A. Berzin i dr. Moskva, Sel'khozizdat, 1963. 303 p. (Uchebniki i uchebnye posobiia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)

BUSHUNOV, V. T. [Printing presses, designs and plans] Pechatnye mashiny, raschet i proektirovanie. Moskva, Mashgiz, 1963. 614 p.

BYKHOVSKII, A. V. [Hygienic problems in underground mining of uranium ore] Gigienicheskie voprosy pri podzemnoi razrabotke uranovykh rud. Moskva, Medgiz, 1963. 328 p.

CERNOCH, S. [Handbook on the manufacture of machinery in two volumes. Translated from the Czech] Spravochnik po mashinostroeniiu v dvukh tomakh. Pod red. N. S. Acherkana. Moskva, Mashgiz, Vol. 1. 1963. 734 p.

CHARNKO, D. V. [Fundamentals of selecting the technical process for machining] Osnovy vybora tekhnologicheskogo protsessa mekhanicheskoi obrabotki. Moskva, Mashgiz, 1963. 319 p.

CHEKANOV, A. A. Evgenii Oskarovich Paton, 1870-1953. Moskva, Izd-vo Akad. nauk SSSR, 1963. 180 p. (Naucheno-biograficheskaia serila)

CHESNOKOV, A. A. [Operational amplifiers] Reshaiushchie usiliteli. Moskva, Gosenergoizdat, 1963. 62 p. (Biblioteka po avtomatike, no. 78)

CHINAEV, P. I. [Multidimensional automatic systems] Mnogomernye avtomaticheskie sistemy. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1963. 278 p.

CHUGAEV, R. R. [Hydraulics] Gidravlika. Moskva, Gosenergoizdat, 1963. 527 p.

DALIDCHIK, I. D. [Handbook for the electrician of an automotive transportation unit] Pamiatka elektromontera avtokhoziaistva. Moskva, Avtotransizdat, 1963. 29 p. (Tekhnika bezopasnosti na avtotransporte)

DALIDCHIK, I. D. [Progressive methods of metal welding] Progressivnye metody svarki metallov, uchebnoe posobie. [n. p.] Rosvuzizdat, 1963. 57 p.

DANILOV, K. B. [The "KN-12" motion-picture projection unit] Kinoustanovka KN-12. [Moskva] Iskusstvo, 1963. 180 p. (Biblioteka kinomekhanika)

[DESIGN OF HEAVY-DUTY MACHINES] Konstruirovanie krupnykh mashin; sbornik statei. Pod red. B. I. Satovskogo. Moskva, Mashgiz.
No. 2. [Excavators] Ekskavatory. 1963. 202 p.

[DESIGN OF MECHANICAL TRANSMISSIONS] Proektirovanie mekhanicheskikh peredach, uchebno-spravochnoe posobie po kursovomu proektirovaniiu mekhanicheskikh peredach. Izd. 2., perer. [By] S. A. Chernavskii i dr. Moskva, Mashgiz, 1963. 799 p.

DRIUCHKOVA, M. A., and others. [One hundred styles of women's dresses] 100 fasonov zhenskogo platʹia. 4., perer. izd. Minsk, Gos. izd-vo BSSR, 1963. 378 p.

DRUZHININ, V. A., and V. A. VOLOSATOV. [Cutter-presser] Rezchik-pressovshchik. [Leningrad] Lenizdat, 1963. 144 p. (V pomoshchʹ molodym rabochim)

DUDKIN, M. S. [Production of feed products from the waste of grain processing] Poluchenie kormovykh produktov iz otkhodov pererabotki zerna. Moskva, 1963. 54 p.

DUNAEV, P. F. [Dimension diagrams] Razmernye tsepi. Izd. 2., dop. i perer. Moskva, Mashgiz, 1963. 306 p.

DURIKOV, A. P., and V. I. CHUMAKOV. [Protection of the population of a rural area from radioactive contamination] Zashchita naseleniia sel'skoi mestnosti ot radioaktivnogo zarazheniia. Moskva, Sel'khozizdat, 1963. 77 p.

EGORUSHKIN, V. E., and F. G. KITUNOVICH. [Mechanization of work and electrical-wiring operations] Mekhanizatsiia truda i elektromontazhnye raboty, posobie dlia uchashchikhsia VIII klassa. Minsk, Gos. uchebno-pedagog. izd-vo M-va prosv. BSSR, 1963. 134 p.

EIDINOV, V. IA. [Measurement of angles in the machinery industry] Izmerenie uglov v mashinostroenii. Moskva, Standartgiz, 1963. 413 p.

[ELECTRIC EQUIPMENT AND AIR-CONDITIONING SYSTEMS FOR PASSENGER CARS] Elektrooborudovanie i konditsionirovanie vozdukha passazhirskikh vagonov. [By] M. R. Barskii i dr. Moskva, Transzheldorizdat, 1963. 234 p.

EVZOVICH, V. E. [Retreading motor-vehicle tires] Vosstanovlenie protektorov avtomobilʹnykh shin. Moskva, Avtotransizdat, 1963. 84 p.

FEDOSEEVA, E. O. [Sound-reproducing equipment for motion-picture theaters] Zvuko-vosproizvodiashchaia apparatura kino-ustanovok. Moskva, Izd-vo "Iskusstvo," 1963. 279 p. diagrs. insert.

FEODOSʹEV, V. I. [Strength of materials] Soprotivlenie materialov. Izd. 3., ispr. i dop. Moskva, Fizmatgiz, 1963. 539 p.

FILIPPENKO, A. A. [Safety measures and fire prevention engineering] Tekhnika bezopasnosti i protivopozharnaia tekhnika. Moskva, Gosenergizdat, 1963. 166 p.

[FIREPROOFNESS OF BUILDINGS] Ognestoikostʹ zdanii. [By] V. P. Bushev i dr. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 166 p.

FOMIN, A. A., and others. [Modern tractor diesel engines, atlas of designs] Sovremennye traktornye dizeli, atlas konstruktsii. Moskva, Mashgiz, 1963. 232 p.

[FOR OUR FAMILY] Dlia nashei semʹi. Riga, Latvijskoe gos. izd-vo, 1963. 790 p.

FRIDLIAND, A. A. [Fundamentals of the mechanical technology of leather manufacture] Osnovy mekhanicheskoi tekhnologii kozhi. Moskva, Gizlegprom, 1963. 261 p.

GALIMZIANOV, F. G. [Fans, atlas of designs] Ventiliatory, atlas konstruktsii. Spravochnoe posobie. Moskva, Mashgiz, 1963. 143 p.

GAMOV, L. I. [Mesh-reinforced concrete and mesh-reinforced concrete structures] Armotsement i armotsementnye konstruktsii. Kishinev, Kartia moldovenieske, 1961. 120 p.

GARNICHEV, D. A., and others. [Electric locomotive with semiconductor rectifiers] Elektrovoz s poluprovodnikovymi vypriamiteliami. Moskva, Transzheldorizdat, 1963. 98 p.

GAVRILOV, A. N., N. N. USHAKOV, and N. M. TSVETKOV. [Technology of airplane electric equipment] Tekhnologiia aviatsionnogo elektrooborudovaniia. Moskva, Oborongiz, 1963. 523 p.

GEINRIKHS, G. K. [Ship and coastal oxygen plants] Sudovye i beregovye kislorodnye ustanovki. Leningrad, Sudpromgiz, 1963. 341 p.

[GEODESIC WORKS FOR THE CONSTRUCTION OF IRRIGATION AND DRAINAGE SYSTEMS] Geodezicheskie raboty dlia stroitelʹstva orositelʹnykh i osushitelʹnykh sistem. [By] K. S. Soberaiskii i dr. Moskva, Gosgeoltekhizdat, 1963. 203 p.

GEORGIEV, I. G., and D. V. ZHARKOVSKII. [Fuel, lubricants, and water] Toplivo, smazochnye materialy i voda, uchebnoe posobie. Minsk, Gos. izd-vo sel'khoz lit-ry BSSR, 1963. 234 p.

GERMAN, S. I., and G. N. KULAKOVA. [Welding in an atmosphere of carbon dioxide] Svarka v srede uglekislogo gaza. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 135 p.

GIMATUDINOV, SH. K. [Physics of oil-bearing beds] Fizika neftianogo plasta. Pod red. I. M. Mirzadzheva. Moskva, Gostoptekhizdat, 1963. 274 p.

GITTSIGRAT, E. E., A. A. PINKEVICH, and L. V. VINOGRADOVA, comps. [English-Russian dictionary on exploration drilling] Anglo-russkii terminologicheskii slovarʹ po geologopoiskovomu bureniiu. Pod red. I. A. Utkina. Leningrad, Gostoptekhizdat, 1963. 308 p.

GOLDOVSKII, E. M. [New motion-picture systems in the U. S. S. R.] Novye sistemy kinematografa v SSSR. Moskva, Izd-vo "Iskusstvo," 1962. 1 v. (chiefly illus.)

GOR'KOVSKII AVTOMOBIL'NYI ZAVOD IMENI MOLOTOVA, Gorki. [Catalog of spare parts for the GAZ-51A, GAZ-63 and GAZ-63A motor trucks] Katalog zapasnykh chastei gruzovykh avtomobilei GAZ-51A, GAZ-63 i GAZ-63A. Moskva, Mashgiz, 1963. 238 p.

GORODINSKII, S. M., and V. B. TIKHOMIROV, eds. [Protective coatings in atomic engineering] Zashchitnye pokrytiia v atomnoi tekhnike; sbornik statei. Moskva, Gosatomizdat, 1963. 183 p.

GRIGOR'EV, P. IA. [Cold dishes and hors d'oeuvres] Kholodnye bliuda i zakuski. [Izd. 7.] Moskva, Gostorgizdat, 1963. 127 p. (Biblioteka povara)

GRIGOR'IANTS, V. G. [Engineering indices of radar stations] Tekhnicheskie pokazateli radiolokatsionnykh stantsii. Moskva, Voenizdat, 1963. 238 p.

GRINBERG, P. I. [Handbook for the coppersmith] Pamiatka medniku. Moskva, Avtotransizdat, 1963. 26 p. (Tekhnika bezopasnosti na avtotransporte)

GULIACHKIN, K. N. [Laboratory work on the course "Machine tools"] Laboratornye raboty po kursu "Metallorezhushchie stanki." Moskva, Mashgiz, 1963. 230 p.

[HANDBOOK FOR THE DESIGNER OF OPTICAL INSTRUMENTS] Spravochnik konstruktora optiko-mekhanicheskikh priborov. [By] M. IA. Kruger i dr. Pod red. M. IA. Krugera i V. A. Panova. Moskva, Mashgiz, 1963. 803 p.

[HANDBOOK ON GLASS MANUFACTURE] Spravochnik po proizvodstvu stekla. [By A. I. Berezhnoi i dr.] Pod red. I. I. Kitaigorodskogo i S. I. Silʹvestrovicha. Moskva, Gosstroiizdat,
Vol. 2. 1963. 815 p.

[HANDBOOK ON THE MANUFACTURE OF ARTIFICIAL LEATHER] Spravochnik po proizvodstvu iskusstvennoi kozhi. Moskva, Gizlegprom,
Vol. 1. Sost. B. IA. Kipnis i dr. Pod obshchei red. V. A. Mikhailova. 1963. 523 p.

[HEAT EXCHANGERS OF POWER ENGINEERING SYSTEMS] Teploobmennaia apparatura energeticheskikh ustanovok. [By] M. M. Andreev i dr. Moskva, Mashgiz, 1963. 239 p.

IAKOVLEV, V. N. [Transistor pulse generators] Impulʹsnye generatory na tranzistorakh. Kiev, Gostekhizdat Ukrainskoi SSR, 1963. 359 p.

IASHCHERITSYN, P. I., and E. A. ZHALNEROVICH. [Metal grinding] Shlifovanie metallov. Minsk, Izd-vo "Belarus'," 1963. 355 p.

IAVOISKII, V. I. [Theory of steel production processes] Teoriia protsessov proizvodstva stali. Moskva, Metallurgizdat, 1963. 820 p.

IL'IN, V. I. [Semiautomatic welding of units in printed circuit assembly using a cascade method] Poluavtomat paiki blokov na pechatnom montazhe metodom kaskada. Leningrad, 1962. 13 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia Pribory i elementy avtomatiki, no. 10)

DUBRITSKII, M. I. [Repair of fittings] Remont armatury. Izd. 2., perer. i dop. Moskva, Gosenergoizdat, 1963. 327 p.

[INCREASING THE OPERATING SPEEDS OF AGRICULTURAL MACHINES AND TRACTORS] Povyshenie rabochikh skorostei sel'skokhoziaistvennykh mashin i traktorov, sbornik dokladov. Moskva, Mashgiz, 1963. 314 p.

IONOV, A. M. [Repair of furniture] Remont mebeli. Moskva, Gosbytizdat, 1963. 145 p.

ISAKOVICH, R. IA. [Control and automation of petroleum and gas production] Kontrol' i avtomatizatsiia dobychi nefti i gaza. Moskva, Gostoptekhizdat, 1963. 354 p.

ISPOLATOVA, I. G. [Using integrated brigades in overhauling apartment houses; practice of the Petrozavodsk Division of apartment houses and structures of the Oktiabr' Railroad] Kompleksnye brigady na kapital'nom remonte zhilykh zdanii; opyt Petrozavodskoi distantsii zdanii i sooruzhenii Oktiabr'skoi dorogi. Moskva, Transzheldorizdat, 1963. 50 p.

ISSERLIN, A. S. [Gas burners] Gazovye gorelki. Leningrad, Gostoptekhizdat, 1963. 121 p. (Biblioteka mastera gazovogo khoziaistva)

IVANOV, A. A. [Fundamentals of the theory of electrical and magnetic circuits] Osnovy teorii elektricheskikh i magnitnykh tsepei. Kiev, Izd-vo Akad. nauk USSR, 1963. 366 p.

IVANOV, K. I., V. N. GLAZUNOV, and M. F. NADION. [Modern methods of hard rock drilling] Sovremennye metody burenila krepkikh porod. Moskva, Gosgortekhizdat, 1963. 191 p.

IVANOV, V. I., and B. V. KANTOROVICH. [Fuel emulsions and suspensions] Toplivnye emul'sii i suspenzii. Moskva, Metallurgizdat, 1963. 182 p.

IVANOV-DIATLOV, I. G., ed. [Using claydite concrete in road and bridge construction] Primenenie keramzitobetona v dorozhno-mostovom stroitel'stve. [By] I. G. Ivanov-Diatlov i dr. Moskva, Avtotransizdat, 1963. 271 p.

IVANOVA, M. S. [Calculations for the selection of auxiliary equipment for a boiler unit] Raschety k podboru vspomogatel'nogo oborudovaniia kotel'noi ustanovki. [Moskva] Rosvuzizdat, 1963. 69 p.

IVANOVA, V. S. [Fatigue failure of metals] Ustalostnoe razrushenie metallov. Moskva, Metallurgizdat, 1963. 272 p.

IVASHCHENKO, T. M. [Structural steels and aluminum alloys] Stroitel'nye stali i alliuminievye splavy. Pod red. IU. M. Lakhtina. [n. p.] Rosvuzizdat, 1963. 56 p.

IVKOV, I. M. [Methods for training motorcycle drivers] Metodika obucheniia vozhdeniiu mototsikla. Moskva, Izd-vo DOSAAF, 1963. 126 p.

JOUDU, KUSTA. [Automation] Automaatika. Tallinn, Eesti Riiklik Kirjastus, 1962. 355 p.

KABANOV, F. I. [Radioactive isotopes in chemistry] Radioaktivnye izotopy v khimii. Moskva, Gosatomizdat, 1963. 68 p. (Nauchno-populiarnaia biblioteka Gosatomizdat)

KAFKA, B. V., G. A. LIADOVA, and R. D. NORMANOVA. ["Eno" coloring matter and its use for coloring confectionery products] Enokrasitel' i ego primenenie pri okrashivanii konditerskikh izdelii. Moskva, Pishchepromizdat, 1963. 31 p.

KAKUEVITSKII, V. A. [Centralized reconditioning of motor-vehicle parts] TSentralizovannoe vosstanovlenie avtomobil'nykh detalei, voprosy organizatsii i tekhnologii. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1963. 169 p.

KANTAEV, G. G. [Operator of motor cranes] Mashinist avtomobil'nykh kranov. Moskva, Proftekhizdat, 1963. 350 p.

KANTOROVICH, V. I., and B. K. IAVNEL' [Systems, assembly, operation and repair of refrigerating plants] Ustroistvo, montazh, ekspluatatsiia i remont kholodil'nykh ustanovok. Izd. 2., perer. i dop. Moskva, Gostorgizdat, 1963. 416 p.

KARATYGIN, A. M., and B. S. KORSHUNOV. [Grinding and lapping metal-cutting tools] Zatochka i dovodka rezhushchego instrumenta. Izd. 2., perer. i dop. Moskva, Mashgiz, 1963. 270 p.

KASHIRSKII, A. A., and IU. N. BIRIN. [Use computing equipment in construction] Vychislitel'nuiu tekhniku — na sluzhbu stroitel'stvu. Moskva, Gosstroizdat, 1963. 100 p.

KATORZHNOV, N. D., and IU. A. VOITELEV. [Identification of synthetic fibers, qualitative and quantitative analysis of synthetic fibers in the textile industry] Raspoznavanie khimicheskikh volokon, kachestvennyi i kolichestvennyi analizy khimicheskikh volokon v tekstil'noi promyshlennosti. Moskva, Gizlegprom, 1963. 107 p.

KAZILIUNAS, ROMUALDAS. [Fuel gases and their use] Degiosios dujos ir ju panaudojimas. Vilnius, Valstybine ir mokslines literaturos leidykla, 1962. 199 p. [In Lithuanian]

KHARKEVICH, A. A. [Control of radio interference] Bor'ba s pomekhami. Moskva, Fizmatgiz, 1963. 274 p.

KHARKEVICH, A. D. [Principle schematics of the basic devices for the 47 automatic telephone exchange] Printsipial'nye skhemy osnovnykh priborov ATS-47. Moskva, Redaktsionno-izdatel'skii otdel VZEIS, 1962. 39 p.

KHARKIVS'KYI TRAKTORNYI ZAVOD. [Catalog of parts for the T-74 tractor] Katalog detalei traktora T-74. Moskva, Mashgiz, 1963. 166 p.

KHILENKO, A. A. [Toward the heights of technical progress] K vysotam tekhnicheskogo progressa. [Tula] Tul'skoe knizhnoe izd-vo, 1963. 40 p.

KHOROSHAVIN, S. A. [Elements of automatic control in physics and electrical engineering courses in secondary schools] Elementy avtomatiki v kurse elektrotekhniki i fiziki srednei shkoly; posobie dlia uchitelei elektrotekhniki i fiziki. Moskva, Uchpedgiz, 1963. 169 p.

KHOTIMSKAIA, O. V., and G. A. NAUMOVA. [Assignment cards on mechanical drawing for grades seven and eight, teacher's aid] Kartochki-zadaniia po chercheniiu dlia VII-VIII klassov, posobie dlia uchitelei. Moskva, Uchpedgiz, 1963. 301 p.

KIRILLOV, V. S. [Design of high pile gratings for highway bridge supports] Raschet vysokikh svainykh rostverkov opor avtodorozhnykh mostov. [n. p.] Rosvuzizdat, 1963. 40 p.

KLEMANTSO, V. F. [Interior decoration painting] Vnutrennie malliarno-dekorativnye raboty. Pod red. A. M. Smirnova. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 70 p.

KLIAMKO, E. I. [Network and test control in automatic digital computers] Skhemnyi i testovyi kontrol' avtomaticheskikh tsifrovykh vychislitel'nykh mashin. Pod red. A. I. Kitova. Moskva, 'Sovetskoe radio,' 1963. 191 p.

KLOCHNEV, N. I. [High-strength cast iron with spheroidal graphite, its properties and uses] Vysokoprochnyi chugun s sharovidnym grafitom, svoistva i primenenie. Moskva, Mashgiz, 1963. 210 p.

KOFMAN, D. M., I. R. TROFIMOV, and N. N. TRUEVTSEV. [Carding machines for cotton manufacture; their design, maintenance, repair and operation] Chesal'nye mashiny khlopkopriadil'nogo proizvodstva; ustroistvo, remont i obsluzhivanie. Moskva, Gizlegprom, 1963. 163 p. (Uchebniki i uchebnye posobiia dlia podgotovki rabochikh massovykh professii)

KOKURIN, V. A. [Assistant engineer of electric locomotives in open-cut mines] Pomoshchnik mashinista elektrovoza na kar'erakh. Moskva, Gosgortekhizdat, 1963. 282 p.

KONDRAT'EV, IU. P. [Industrial equipment of metal reinforced plastics] Tekhnologicheskaia osnastka iz metalloplastmass. Leningrad, Sudpromgiz, 1963. 193 p.

KOPELOVICH, A. P. [Brief handbook on automatic control in ferrous metallurgy] Kratkii spravochnik po avtomaticheskomu regulirovaniiu v chernoi metallurgii. Moskva, Metallurgizdat, 1963. 407 p.

KORLEV, A. V. [Selected works] Izbrannye trudy. Tashkent, Izd-vo Akad. nauk UzSSR.
Vol. 1. 1963. 499 p.

KORNIENKO, V. T. [Organization of public eating establishments] Organizatsiia predpriiatii obshchestvennogo pitaniia. Moskva, Izd-vo TSentrosoiuza, 1962. 142 p.

KRAVCHENKO, L. D. [Transfluxors in remote control systems] Transfliuksory v ustroistvakh teleupravleniia. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1963. 81 p. (Biblioteka po avtomatike)

KREPIS, I. B. [Fuel and fertilizer plants] Fabriki topliva i udobrenii. Moskva, Izd-vo "Znanie," 1963. 29 p. (Novoe v zhizni, nauke, tekhnike. V Seriia Sel'skoe khoziaistvo, no. 18)

KREUZOV, I. P. [Improved assembly of bearing units] Usovershenstvovaniia v tekhnologii sborki podshipnikovykh uzlov. Izd. 2. Moskva, Mashgiz, 1962. 80 p. (Biblioteka slesaria-montazhnika, no. 6)

KRIUCHKOV, A. D. [Automatic control of piston compressors] Avtomatizatsiia porshnevykh kompressorov. Moskva, Mashgiz, 1963. 278 p.

KRIVOI ROG. GORNORUDNYI INSITUT. [Methodological guide for the geological service for the prospecting and mining of Krivoy Rog type deposits] Metodicheskoe rukovodstvo dlia razvedochnoi i rudnichnoi geologicheskoi sluzhby mestorozhdenii krivorozhskogo tipa. Pod red. IA. N. Belevtseva. Kiev, Izd-vo Akad. nauk USSR, 1963. 395 p.

KROPOTOV, A. I. [Photocell pickups in control equipment of chemical industries] Fotoelementy - datchiki v priborakh kontrolia khimicheskikh proizvodstv. Leningrad, 1963. 10 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Pribory i elementy avtomatiki, no. 19)

KRUZHALOV, B. D., and B. E. GOLOVANENKO. [Joint production of phenol and acetone] Sovmestnoe poluchenie fenola i atsetona. Moskva, Goskhimizdat, 1963. 199 p.

KRYL'TSOV, E. I., and O. A. POPOV. [Reinforced concrete bridges abroad] Zhelezobetonnye mosty za rubozhom. Moskva, Avtotransizdat, 1963. 233 p.

KRYMSKII, I. I. [Drop forging, technology and equipment] Gorlachaia shtampovka; tekhnologiia i oborudovanie. Izd. 2., perer. i dop. Moskva, Proftekhizdat, 1963. 340 p.

KRYSIN, A. M., and I. Z. NAUMOV. [Assemblyman] Slesar' mekhanosborochnykh rabot. Moskva, Proftekhizdat, 1963. 324 p.

KUCHINO. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT STROITEL'NOI KERAMIKI. [Brief handbook on the cooling of ring kilns, reduction of temperatures in the areas of the setting and withdrawal of bricks] Kratkoe rukovodstvo po okhlazhdeniiu kol'tsevykh pechei, snizhenie temperatur v zonakh sadki i vygruzki kirpicha. Moskva, Gosstroizdat, 1963. 70 p.

KUDRIAVTSEV, E. A. [Main roads of technical progress in construction] Osnovnye puti tekhnicheskogo progressa v stroitel'stve. [Moskva] Moskovskii rabochii, 1963. 78 p. (Osnovy ekonomicheskikh znanii — kazhdomu rabochemu)

KULEBAKIN, G. I. [Settlement and rural cooperative construction] Poselkovoe i sel'skoe kooperativnoe stroitel'stvo. [Moskva] Moskovskii rabochii, 1963. 310 p.

KULESHOV, L V [The film, cutting and editing] Kadr i montazh. Moskva, Gos izd-vo "Iskusstvo." Vol. 1. 1931 (Biblioteka kinolubitelia) (CLSU)

KUZ'MENKO, V. A [Sound and ultrasound vibrations in the dynamic testing of materials] Zvukovye i ul'trazvukovye kolebaniia pri dinamicheskikh ispytaniiakh materialov Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963. 150 p.

KUZ'MIN, V. V., and A. V. GERASIMOV. [Automatic devices in woodworking combines] Avtomaticheskie ustroistva na derevoobdelochnykh kombinatakh. Leningrad, Gosstroiizdat, 1963. 59 p.

KUZNETSOV, A. M. [Technology of binding substances and of products made from them] Tekhnologiia viazhushchikh veshchestv i izdelii iz nikh. Pod obshchei red. P. P. Budnikova. Moskva, Vysshaia shkola, 1963. 454 p.

KUZNETSOV, D. M. [Manual for the operator of a wheeled scraper] Pamiatka mashinistu skrepera. Moskva, Avtotransizdat, 1963. 29 p. (Tekhnika bezopasnosti na dorozhnykh rabotakh)

KUZNETSOV, M. A. [Atlas of designs for woodworking machines] Atlas konstruktsii derevoobrabatyvaiushchikh stankov. Moskva, Goslesbumizdat, 1963. 248 p. diagrs.

KUZNETSOV, P. I., and V. N. RENGACH. [Interesting technological innovations] Interesnye tekhnicheskie novinki Izd 2., perer. i dop. Leningrad, Ob-vo po respr. polit. i nauchna znanii RSFSR, 1932. 206 p. diagrs.

LADYGIN, B. I. [Fundamentals of the strength and durability of road concretes] Osnovy prochnosti i dolgovechnosti dorozhnykh betonov. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 126 p.

LAPIDUS, M. A. [Discoverer of underground secrets] Otkryvatel' podzemnykh tain. Moskva, Izd-vo "Sovetskaia Rossiia," 1963. 382 p. (Liudi Sovetskoi Rossii)

LAPIN, P. I., N. E. KONDRATOVICH, and IU. I. IUR'EV. [Design and use of modern frame saws] Konstruktsii i eksploatatsiia sovremennykh lesopil'nykh ram [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1962. 82 p.

LEIBOV, R. M., and D. N. OGLOBLIN, eds. [Safety measures in the coal industry] Tekhnika bezopasnosti v ugol'noi promyshlennosti Moskva, Gosgortekhizdat, 1963. 317 p.

LENIN, I. M., O. M. MALASHKIN, and G. I. SAMOL'. [Fuel feed systems of motor-vehicle and tractor engines] Sistemy toplivopodachi avtomobil'nykh i traktornykh dvigatelei. Moskva, Mashgiz, 1963. 312 p.

LENINGRAD. GIDROLOGICHESKII INSTITUT. [Hydrological calculation in the drainage of bogs and swampy soils] Gidrologicheskie raschety pri osushenii bolot i zabolochennykh zemel'. Pod red. K. E. Ivanova. Leningrad, Gidrometeoizdat, 1963. 447 p.
———. [Supplement No. 9. Maps] Prilozhenie No. 9 Karty.

LENINGRAD. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII MARKSHEIDERSKII INSTITUT [Collection of annotations of scientific research work carried out by the All-Union Scientific Research Institute of Mine Surveying in 1961] Sbornik annotatsii nauchno-issledovatel'skikh rabot, vypolnennykh VNIMI v 1961 godu. Leningrad, 1962. 80 p.

LEVIN, B. I. [Technical progress in transportation engineering] Tekhnicheskii progress v transportnom stroitel'stve. Moskva, Transzheldorizdat, 1963. 84 p. (V pomoshch izuchaiushchim konkretnuiu ekonomiku)

LIKHACHEV, V. A. [Use of pyrotechnics in motion pictures] Pirotekhnika v kino. Izd 2., ispr. i dop. Moskva, Iskusstvo, 1963. 148 p.

LIPATOV, N. N. [Milk separators for the removal of impurities] Molokoochistiteli. Moskva, Mashgiz, 1963. 166 p.

LITVINOV, A. S., R. V. ROTENBERG, and A. K. FRUMKIN [Motor-vehicle chassis, construction and elements of design] Shassi avtomobilia, konstruktsiia i elementy rascheta. Moskva, Mashgiz, 1963. 502 p.

LITVINOV, I. R., and V. S. MAKAREVICH [Organization of the technical inspection of diesel locomotives, experience of the Western Siberia Railroad] Organizatsiia tekhnicheskogo osmotra elektrovozov posloiannogo toka, opyt Zapadno-Sibirskoi dorogi. Moskva, Transzheldorizdat, 1963. 95 p.

LIVANOV, A. P., IU. A. POSPELOV, and A. V. SOFRONOV [Organization of fuel and lubrication service at logging camps] Organizatsiia gorjuche-smazochnogo khoziaistva v lesnykh lesozagotovkakh. Moskva, Goslesbumizdat, 1963. 199 p.

LUK'IANCHENKO, P. Z. [Reinforced concrete bridges] Zhelezobetonnye mosty. Moskva, Avtotransizdat, 1963. 55 p. (V pomoshch rabochemu mostoviku)

LUR'E, A. I. [Electric detonation of charges] Elektricheskoe vzryvanie zariadov. Izd 2., perer. i dop. Moskva, Gosgortekhizdat, 1963. 260 p.

LUR'E, L. A. [Briquetting in ferrous and nonferrous metallurgy] Briketirovanie v chernoi i tsvetnoi metallurgii Moskva, Metallurgizdat, 1963. 320 p.

L'VOV, L. A., and V. D. PAZUKHIN. [Fuel economy on steam locomotives, practice of locomotive engineer D. I. Chvyrin's brigade at the Bay Depot, Northern Railroad] Ekonomiia topliva na parovozakh, opyt brigady mashinista depo Bui Severnoi dorogi D. I. Chvyrina. Moskva, Transzheldorizdat, 1963. 25 p.

LYCHAGIN, A. S. [Design of open-hearth furnaces] Proektirovanie martenovskikh pechei Izd 2., ispr. i dop. Moskva, Metallurgizdat, 1963. 280 p.

[MAINTENANCE OF CONSTRUCTION MACHINERY] Tekhnicheskoe obsluzhivanie stroitel'nykh mashin [By] K. P. Chudakov i dr. Moskva, Gosstroiizdat, 1963. 259 p.

MAKEEV, F. I. [Stadia reduction tables] Takheometricheskie tablitsy. Moskva, Goslesbumizdat, 1963. 318 p.

MAKHMUDOV, KARIM. [Uzbek cookery] Uzbekskie bliuda. Tashkent, Gos. izd-vo UzSSR, 1962. 214 p.

MAKSIMOV, A. P. [Bulging of rocks and the stability of underground workings] Vydavlivanie gornykh porod i ustoichivost' podzemnykh vyrabotok Moskva, Gosgortekhizdat, 1963. 143 p.

MALEEV, M. A. [Technical information, reinforced-concrete slab enclosures used in the construction of bridge foundation supports] Tekhnicheskaia informatsiia, ograzhdenie iz zhelezobetonnykh plit pri sooruzhenii fundamentov opor mostov (iz opyta raboty Mostootriada-5, Mostostroia-2). Moskva, Orgtransstroi, 1963. 13 p.
[MICROFILM]

MAMCHENKO, V. P., and IU. A. RIAZANTSEVA. [Operation of locomotives] Ekspluatatsiia lokomotivov. Moskva, Transzheldorizdat, 1963. 415 p. diagrs. insert.

MANTSVETOVA, I. V., and D. IU. MAIANTS. [Projection drawing, with a collection of problems] Proektsionnoe cherchenie so sbornikom zadach. Izd. 2., perer. i dop. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 369 p.

MARKEVICH, S. V. ["Big chemistry"] Bol'shaia khimiia. Minsk, Gos. izd-vo BSSR, 1963. 93 p.

MASTIAEV, N. Z., and I. N. ORLOV. [Hysteresis motors] Gisterezisnye elektrodvigateli, posobie dlia diplomnogo i kursovogo proektirovaniia. Red. A. N. Larionov. Moskva, MEI,
Pt. 1. [Theory and applications] Voprosy teorii i primeneniia. 1963. 221 p.

MATOV, V. I., and others. [Digital computer for school use] Uchebnaia tsifrovaia vychislitel'naia mashina. Moskva, Gosenergoizdat, 1963. 127 p. (Biblioteka po avtomatike, no. 84)

MATSKIN, L. A., and I. L. CHERNIAK. [Operation of tank farms] Ekspluatatsiia neftebaz. Izd 2., perer. i dop. Moskva, Gostoptekhizdat, 1963. 155 p.

MAVLIANOV, G. A., S. SH. MIRZAEV, and A. I. L. MOV. [Underground waters and the properties of rocks in the Tashkent region] Podzemnye vody i fiziko-mekhanicheskie svoistva gornykh porod Tashkentskogo raiona. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 177 p.

MEDNIKOV, E. P. [Acoustical coagulation and precipitation of aerosols] Akusticheskaia koagulitsiia i osazhdenie aerozolei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 262 p.

MIKHAILOV, A. I., and B. M. TARFI'V. [Scientific information in the field of electric and power engineering] Nauchnaia informatsiia v oblasti elektrotekhniki i energetiki, tekhstila. Moskva, Vses. zaochnyi in-t, 1961. 17 p.

MIKHAILOV, V. V. [Construction of bituminous pavements] Stroitel'stvo dorozhnykh pokrytii asfal'tobetonom bitumov. Pod red. N. N. Ivanova. [Moskva] Rosvuzizdat, 1963. 42 p.

MINEVSKII, A. I. [Potentials in the use of mechanical equipment] Rezervy ispol'zovaniia stanochnogo oborudovaniia. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963. 95 p.

MOLOCHKOV, A. V., and G. S. TALAKO. [How to read mechanical drawings] Kak chitat' tekhnicheskii chertezh. Izd 2., perer. Minsk, Gos. izd-vo, 1963. 255 p. (Bibliotechka stanochnika)

MOROZ, I. I. [Methodology of teaching the fundamentals of electric engineering in the eighth grade of staggered (staggered) schools] Metodika prepodavaniia osnov elektrotekhniki v VIII klasse vechernei (smennoi) shkoly. Moskva, Izd-vo APN RSFSR, 1963. 104 p. (Pedagogicheskaia biblioteka uchitelia)

MOSCOW. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII I PROEKTNYI INSTITUT ORGANIZATSII I MEKHANIZATSII UPRAVLENIIA LICHESKOI PROMYSHLENNOSTI. [Bibliography of publications on zone melting, theory, practice, and control of refined materials and connected problems] Bibliograficheskii ukazatel' literatury po zonnoi plavke, teorii, praktika, kontrol' chistoty ochishchennykh materialov i smezhnye voprosy. Moskva, Otd. nauchno-tekhnicheskoi informatsii.
No. 1. [Soviet publications] Otechestvennaia literatura. 1963. 38 p.

MOSCOW. GOSUDARSTVENNYI PROEKTNYI INSTITUT SANTEKHPROEKT. [Album of equipment, ... outlets] Al'bom oborudovaniia, kondensatootvodchiki. Moskva, 1963. 33 p.

MOSCOW. GOSUDARSTVENNYI PROEKTNYI INSTITUT SANTEKHPROEKT. [Album of equipment, ... ers] Al'bom oborudovaniia, konditsionery. Moskva, 1962. 205 p.

MOSCOW. INSTITUT GORNOGO DELA IMENI A. A. SKOCHINSKOGO. [Principles for the ... of industrial complexes on mine surfaces] Osnovy sovershenstvovaniia tekhnologicheskikh kompleksov poverkhnosti shakht. [By] A. G. Trofov i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 136 p.

MOSCOW. INSTITUT GORNOGO DELA IMENI A. A. SKOCHINSKOGO. [Problems in the mechanization of mining operations] Problemy mekhanizatsii ... rabot. Moskva, Izd-vo Akad. nauk SSSR, 1963. 198 p.

MOSCOW. INSTITUT NEFTEKHIMICHESKOI PROMYSHLENNOSTI. [Industrial program for ... covery of petroleum and gas; a textbook for the course "Organization and planning of petroleum and gas enterprises"] Proizvodstvennaia programma po dobyche nefti i gaza, uchebnoe posobie po kursu "Organizatsiia i planirovanie neftianykh i gazovykh predpriiatii." Otv. red. S. F. Gorkin. Moskva, 1962. 50 p.

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT BETONA I ZHELEZOBETONA. [Instruction for the design of steel forms] Instruktsiia po rascheta stalnykh form. Moskva, Gosstroiizdat, 1963. 134 p.

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT BETONA I ZHELEZOBETONA. [Prestressed concrete structures for industrial buildings] Predvaritel'no napriazhennye zhelezobetonnye konstruktsii proizvodstvennykh zdanii. Pod red. G. I. Berdichevskogo. Moskva, Gosstroiizdat, 1963. 241 p.

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. [Machine-tool industry in Japan according to materials from the Machine-Tool Exhibition of 1962 in Osaka] Stankostroenie Iaponii, po materialam stankostroitel'noi vystavki 1962 goda v g. Osaka. Moskva, 1963. 473 p.

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. ["Motor vehicles of the U. S. S. R." catalog, the GAZ-51, GAZ-51A, GAZ-63 and GAZ-63A motortrucks, structural changes and the interchangeability of parts and units] Katalog-spravochnik "Avtomobili SSSR", avtomobili GAZ-51, GAZ-51A, GAZ-63, GAZ-63A, konstruktivnye izmeneniia i vzaimozamenlaemost' detalei, uzlov i agregatov. Moskva, 1963. 71 p.

MOSCOW. TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. ["Motor vehicles of the U. S. S. R." catalog, the M-13 and M-13B "Chaika" automobiles, structural changes and the interchangeability of parts and units] Katalog-spravochnik "Avtomobili SSSR" avtomobil' "Chaika" modelei M-13 i M-13B, konstruktivnye izmeneniia i vzaimozamenlaemost' detalei, uzlov i agregatov. Moskva, 1963. 52 p.

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII I PROEKTNO-EKSPERIMENTAL'NYI INSTITUT INDUSTRIAL'NYKH ZHILYKH I MASSOVYKH KUL'TURNO-BYTOVYKH ZDANII. [Work in constructing apartment houses made of large-sized components] Rabota konstruktsii zhilykh zdanii iz krupno-razmernykh elementov, sbornik statei pod red. G. A. Shapiro. Moskva, Gosstroiizdat, 1963. 191 p.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MINERAL'NOGO SYR'IA. [Industry's requirement as to the quality of mineral raw materials] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia, spravochnik dlia geologov. Izd. 2, perer. Moskva, Gosgeoltekhizdat.
No. 17. Rozov, B. S. [Antimony] Sur'ma. Nauchn. red. S. M. Mel'nikov. 1963. 42 p.
No. 22. Kashkarov, O. D., and M. P. Fiveg. [Potassium and magnesium salts] Kalliinye i magnezial'nye soli. Nauchn. red. E. V. Orlova i IU. L. Chernosvitov. 1963. 54 p.

MOSCOW. VSESOIUZNYI POSTOIANNYI PAVIL'ON LUCHSHIKH OBRAZTSOV TOVAROV NARODNOGO POTREBLENIIA. Otdel informatsii. [Reference handbook on artificial and synthetic fibers of foreign countries] Spravochnik po iskusstvennym i sinteticheskim volokнam zarubezhnykh stran. Moskva, 1963. 150 p.

MOVNIN, M. S., and D. G. GOL'TSIKER. [Mechanical engineering] Tekhnicheskaia mekhanika. Leningrad, Sudpromgiz.
Pt. 3. [Machine parts] Detali mashin. 1963. 287 p.

[MULTIPLE MACHINING OF PARTS] Gruppovoi metod obrabotki detalei. [Orel] Orlovskoe knizhnoe izd-vo, 1963. 48 p.

MUSHLOVIN, L. B. [Determining and evaluating the results of coal treatment on coal preparation machines] Opredelenie i otsenka rezul'tatov obogashchenila na ugleobogatitel'nykh mashinakh. Moskva, Gosgortekhizdat, 1963. 166 p.

MUSOLIN, K. I. [Nomograms on the technology and technological control of sugar manufacture] Nomogrammy po tekhnologii i tekhnokhimicheskomu kontroliu sakharnogo proizvodstva. Moskva, Pishchepromizdat, 1963. 81 p.

MYLKO, S. N., and others. [Uses for scrap metal] Ispol'zovanie metallicheskoi struzhki. Kiev, Gostekhizdat USSR, 1963. 142 p.

NAUCHNAIA KONFERENTSIIA PO VOPROSAM AVIATSIONNOI METEOROLOGII, Moscow, 1960. [Materials of the Conference on Aviation Meteorology] Materialy Nauchnoi konferentsii po aviatsionnoi meteorologii. Pod red. I. G. Pchelko. Moskva, Gidrometeoizdat, 1963. 127 p.

NAUCHNO-TEKHNICHESKAIA KONFERENTSIIA PO PRIBORAM PROMYSHLENNOGO KONTROLIA I SREDSTVAM AVTOMATIKI. [Industrial control equipment and the means of automatic control] Pribory promyshlennogo kontrolia i sredstva avtomatiki; doklady i soobshchenila. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1963. 370 p.

NECHAEV, IU. N. [Intake devices of supersonic planes] Vkhodnye ustroistva sverkhzvukovykh samoletov. Moskva, Voenizdat, 1963. 137 p.

NECHAEV, M. A. [Principles of gas technology] Osnovy gazovoi tekhniki. Leningrad, Gostoptekhizdat, 1963. 91 p. (Biblioteka mastera gazovogo khoziaistva)

[NEW EQUIPMENT AND OPERATING TECHNIQUES OF AUTOMATIC TELEPHONE EXCHANGES] Novaia tekhnika i metody ekspluatatsii ATS, informatsionnyi sbornik. Moskva, Sviaz'izdat, 1963. 151 p. (Tekhnika sviazi za rubezhem)

NIKIFOROV, V. A. [Preparation of peat deposits for peat winning] Podgotovka torfianykh mestorozhdenii dlia dobychi torfa. Minsk, Gos. izd-vo BSSR, 1963. 210 p.

NIKITIN, G. M. [Safety measures in operating hoisting and conveying machines in construction] Tekhnika bezopasnosti pri ekspluatatsii pod"emno-transportnykh mashin v stroitel'stve. Pod obshchei red. N. A. Smirnova. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1963. 33 p. (Bibliotechka stroitelia po tekhnike bezopasnosti, no. 5)

NIKOLAEV, B. A. [Sinking for the construction of deep foundations] Opyt prokhodki gruntov dlia sooruzhenila fundamentov glubokogo zalozhenila. Leningrad, 1963. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Stroitel'noe proizvodstvo, no. 6)

NIKOLAEVSKII, I. F. [Operating parameters and special features of the use of transistors] Eksploatatsionnye parametry i osobennosti primeneniia tranzistorov. Moskva, Sviaz'izdat, 1963. 223 p.

NIKONOROV, I. V. [Fishing with light, theory and practice] Lov ryby na svet, teoriia i praktika. Moskva, Izd-vo "Rybnoe khoziaistvo," 1963. 164 p.

NIKONOV, I. N. [Civil engineering structures in railroad transportation] Iskusstvennye sooruzhenila zheleznodorozhnogo transporta. Izd. 3., dop. i perer. Moskva, Transzheldorizdat, 1963. 338 p.

NOVOCHERKASSKII ELEKTROVOZOSTROITEL'NYI ZAVOD. [Album of drawings of electric machinery and transformer equipment for the VL60 electric locomotive] Al'bom chertezhei elektricheskikh mashin i transformatornogo oborudovaniia elektrovoza VL60. Moskva, Transzheldorizdat, 1963. 353 p.

OBRAZTSOV, S. A., and others. [Handbook for the technologist in sawmilling] Spravochnik tekhnologa po lesopilen'iu. Moskva, Goslesbumizdat, 1963. 473 p.

OMEL'IANOVICH, V. M. [Natural resources of Donetsk Province] Prirodnye resursy Donetskoi oblasti. [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 81 p.

OSHER, R. N. [Production and use of lubricating and cooling fluids (for metal cutting)] Proizvodstvo i primenenie smazochno-okhlazhdaiushchikh zhidkostei (dlia obrabotki metallov rezaniem). Izd. 3., perer. i dop. Pod red. P. A. Rebindera. Moskva, Gostoptekhizdat, 1963. 225 p.

OSIPOV, S. I. [Characteristics of traction systems, lecture on the subject "Electric Traction of Trains" for students of the V and VI course specializing in "The Electrification of Railroads"] Kharakteristiki tiagovogo rezhima; lektsiia po distsipline "Elektricheskaia tiaga poezdov" dlia studentov V i VI kursov spetsial'nosti "Elektrifikatsiia zheleznodorozhnogo transporta." Moskva, Vses. zaochnyi in-t inzhenerov zhel.-dor. transporta, 1963. 46 p.

OSTROVSKII, A. S. [Weak current apparatus in electric-power systems] Apparatura slabogo toka v silovykh elektrouantovkakh. Moskva, Gosenergoizdat, 1963. 78 p. (Biblioteka elektromontera, no. 103)

PANASENKO, I. A., K. V. PROSKUROV, and V. A. BELOZEROV. [Operation and repair of television receivers] Ekspluatatsiia i remont televizorov. [Donetsk] Donetskoe knizhnoe izd-vo, 1962. 234 p.

PANFILOV, N. D. [Apparatuses for clubs] Apparatura kluba. Moskva, Sovetskaia Rossiia, 1963. 230 p. (Bibliotechka v pomoshch' sel'skomu klubnomu rabotniku, no. 11)

PELEEV, A. I. [Technological equipment of the enterprises of the meat industry] Tekhnologicheskoe oborudovanie predpriiatii miasnoi promyshlennosti. Izd. 2, perer. i dop. Moskva, Pishchepromizdat, 1963. 686 p.

PER'KOV, N. A. [Interpreting the results of borehole logging] Interpretatsiia rezul'tatov karotazha skvazhin. Moskva, Gostoptekhizdat, 1963. 435 p.

PIRKOV, V. G. [Auxiliary boiler equipment] Vspomogatel'noe oborudovanie kotel'nykh ustanovok. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1963. 222 p.

PERSHIN, M. A., and others. [Movable tool-repair shops on city-block construction sites] Peredvizhnye instrumental'no-remontnye masterskie na ob"ektakh kvartal'noi zastroiki, opyt raboty Glavleningradstroia. Leningrad, 1963. 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Stroitel'noe proizvodstvo, no. 5)

PESHKOV, E. O., and N. I. FADEEV. [Technical dictionary for students, manual for the practical exercises of students of grades 5-8] Tekhnicheskii slovar' shkol'nika, posobie dlia prakticheskikh zaniatii uchashchikhsia V-VIII klassov. Izd. 3., ispr. i dop. Moskva, Uchpedgiz, 1963. 222 p.

PETROV, I. P. [Progressive foundry practices] Progressivnaia tekhnologiia proizvodstva lit'ia. [Penza] Penzenskoe knizhnoe izd-vo, 1963. 118 p.

PETROV, V. M. [We build houses of gas concrete] Stroim doma iz gazobetona. [Leningrad] Lenizdat, 1963. 77 p. (Peredovoi opyt vsem!)

PETRUKHA, P. G., V. G. BOVIN, and M. A. MIAKISHEV. [Machine tools, purpose and performance, kinematic and hydraulic systems, adjustment and basic data] Metallorezhushchie stanki; naznachenie i metody raboty, kinematicheskie i gidravlicheskie skhemy, nastroika i osnovnye dannye. Moskva, Mosk. aviatsionnyi in-t im. Sergo Ordzhonikidze, 1962. 106 p.

[PHYSICAL PRINCIPLES OF THE STRENGTH AND PLASTICITY OF METALS] Fizicheskie osnovy prochnosti i plastichnosti metallov. [By] S. D. Gertsriken i dr. Moskva, Metallurgizdat, 1963. 321 p.

PIOTROVSKII, L. M. [Electric machinery] Elektricheskie mashiny. Izd. 5, perer. i dop. A. R. Dero. Moskva, Gosenergoizdat, 1963. 503 p.

PISKAREV, I. V. [Filtration fibers; manufacture and uses] Fil'troval'nye tkani, izgotovlenie i primenenie. Moskva, Izd-vo Akad. nauk SSSR, 1963. 188 p.

POGREBNOI, IA. F. [Technology of prestressed concrete construction] Tekhnologiia predvaritel'no napriazhennogo zhelezobetona. Kiev, Gosstroiizdat USSR, 1963. 157 p.

POKROVSKII, G. I., I. S. FEDOROV, and M. M. DOKUCHAEV. [Using directed blasting in hydraulic engineering] Primenenie napravlennogo vzryva v gidrotekhnicheskom stroitel'stve. Izd. 2., dop. i perer. Moskva, Gosstroiizdat, 1963. 222 p.

POKROVSKII, N. M. [Building and modernization of mines] Sooruzhenie i rekonstruktsiia gornykh vyrabotok. Izd. 6. Moskva, Gosgortekhizdat.
Pt. 3. [Special methods of building and modernizing mines] Spetsial'nye sposoby sooruzhenila i rekonstruktsii vyrabotok. 1963. 313 p.

POLIAKOV, V. A., and V. N. ROMANOVSKII. [Industrial training in secondary schools in the profession of electric contracting] Proizvodstvennoe obuchenie v srednei shkole po professii elektromontera stroitel'stva; prakticheskoe proizvodstvennoe obuchenie. Pod red. V. N. Romanovskogo. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 118 p.

POLKANOV, I. P. [Automatic control and accounting for tractor driven machinery] Avtomaticheskii kontrol' i uchet raboty mashinno-traktornykh agregatov. Pod red. M. P. Sergeeva. Moskva, Mashgiz, 1963. 199 p.

POL'STER, L. N. [Operation of main gas pipeline communication systems] Eksploatatsiia sooruzhenii sviazi na magistral'nykh gazoprovodakh. Leningrad, Gostoptekhizdat, 1963. 132 p. (Biblioteka eksploatatsionnika magistral'nogo gazoprovoda)

PORSIN, IU. IA. [Axonometric representation of machine parts] Aksonometricheskie izobrazheniia mashino-stroitel'nykh detalei. Moskva, Mashgiz, 1963. 185 p.

POSPELOV, L. P. [Automatic and remote control in mines] Rudnichnaia avtomatika i telemekhanika. Moskva, Gosgortekhizdat, 1963. 414 p.

POZDEEV, A. D., and IA. B. ROZMAN. [Electromagnetic clutches and brakes with solid armatures] Elektromagnitnye mufty i tormoza s massivnym iakorem. Moskva, Gosenergoizdat, 1963. 103 p. (Biblioteka po avtomatike, no. 82)

[PRINCIPLES OF BUILDING AND MINING-ENGINEERING STRUCTURES] Osnovy stroitel'nogo dela i gornoinzhenernye sooruzheniia. Izd. 2., dop. i perer. [By] IA. G. Plaksin i dr. Moskva, Gosgortekhizdat, 1963. 463 p.

[PRODUCTION OF LIGHT FILLERS AND CONCRETES BASED ON THEM] Proizvodstvo legkikh zapolnitelei i betonov na ikh osnove. Minsk, Izd-vo MVSS i PO BSSR, 1963. 328 p.

PROFSOIUZ RABOCHIKH MASHINOSTROENIIA SSSR. [Safety and industrial sanitation regulations for woodworking shops (sections) in machinery enterprises and organizations. Approved by the Presidium of the Central Committee of the Trade Union of Machinery Industry Workers on February 15, 1963] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarii dlia derevoobrabatyvaiushchikh tsekhov (uchastkov) predpriiatii i organizatsii mashinostroeniia. Utverzhdeny Prezidiumom TsK Profsoiuza rabochikh mashinostroeniia 15 fevralia 1963 g. Moskva, Mashgiz, 1963. 67 p.

PROSHKOV, A. F. [Study and design of winding mechanisms] Issledovanie i proektirovanie motal'nykh mekhanizmov. Moskva, Mashgiz, 1963. 314 p.

RABINOVICH, A. A., and M. M. SINAISKII, eds. [Electrical equipment of cranes] Elektricheskoe oborudovanie kranov. Moskva, Gosenergoizdat, 1963. 399 p.

RABINOVICH, E. A. [Laboratory work in general electrical engineering] Laboratornye raboty po obshchei elektrotekhnike, uchebno-metodicheskoe posobie dlia tekhnikumov. [n. p.] Rosvuzizdat, 1963. 135 p.

RAGOZIN, N. A. [Jet fuels] Reaktivnye topliva. 2., perer. i dop. izd. Moskva, Gostoptekhizdat, 1963. 163 p.

RAITSEL'SKII, L. A. [Handbook on electric lighting networks] Spravochnik po osvetitel'nym setiam. Moskva, Gosenergoizdat, 1963. 286 p.

RAKHMAN, B. M. [Determining relaxation characteristics on bolted joint models] Opredelenie kharakteristik relaksatsii na modeliakh boltovykh soedinenii. Leningrad, 1963. 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Metallovedenie i termicheskaia obrabotka, no. 2)

RAPUTOV, B. M. [Electrician of an ore-dressing plant] Elektroslesar' obogatitel'noi fabriki. Moskva, Gosgortekhizdat, 1963. 227 p.

RAZMADZE, SH. M. [Three-phase current rectification] Vypriamlenie trekhfaznogo toka. Tbilisi, Gos. izd-vo "TSodna" M-va kul'tury Gruzinskoi SSR, 1963. 255 p.

REBRIK, B. N. [Protection of the VL60 electric locomotive] Zashchita elektrovoza VL 60. Moskva, Transzheldorizdat, 1963. 51 p. (Bibliotechka mashinista elektrovoza)

[REGULATIONS FOR THE PERFORMANCE OF REPAIR AND CONSTRUCTION WORK; *norms and estimates*] Pravila proizvodstva remontno-stroitel'nykh rabot, normy i rastsenki. Izd. 2., perer. i dop. Kiev, Gos. izd-vo lit-ry po stroit. i arkhit. USSR, 1963. 732 p.

RESHETOV, D. N., ed. [Machine parts, atlas of designs] Detali mashin, atlas konstruktsii. Izd. 2., perer. i dop. Moskva, Mashgiz, 1963. 363 p.

RIDEL', E. I., and I. V. SHTEFKO. [Over-all mechanization and automation of loading and unloading operations with packaged piece goods] Kompleksnaia mekhanizatsiia i avtomatizatsiia pogruzochno-razgruzochnykh rabot s tarno-shtuchnymi gruzami. Moskva, Mashgiz, 1963. 205 p.

RODIONOV, A. M. [Dyeing of fur] Krashenie mekha. Izd. 2., perer. i dop. Moskva, Gizlegprom, 1963. 261 p.

RODYGIN, A. A. [Modern methods for repairing motor vehicles] Sovremennye metody remonta avtomobilei. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 157 p.

ROZENBERG, N. M. [Teaching work with electronic measuring instruments in secondary schools] Obuchenie rabote s elektronnoi izmeritel'noi apparaturoi v srednei shkole. Moskva, Izd-vo APN RSFSR, 1963. 58 p. (Biblioteka politekhnicheskogo obucheniia)

RUDNIK, M. S. [Standardization of woodworking equipment and instruments] Standartizatsiia derevoobrabatyvaiushchego oborudovaniia i instrumenta. Moskva, Standartgiz, 1963. 80 p.

RUMIANTSEV, V. A., and others. [Chain and bucket trenching excavators] TSepnye transheinye ekskavatory. Moskva, Mashgiz, 1963. 129 p.

RUNK, O., E. TARGO, and K. TIHASE. [Elements of mechanical drawing and sketching] Joonestamise ja joonistamise pohikursus. Tallinn, Eesti Riiklik Kirjastus, 1963. 399 p. [In Estonian]

RUSSIA (1917- R. S. F. S. R.) Srednе-Volzhskii ekonomicheskii raion. Upravlenie kadrov i uchebnykh zavedenii. Uchebno-metodicheskii kabinet. [Machine tools, brief technical characterizations] Metallorezhushchie stanki, kratkie tekhnicheskie kharakteristiki (uchebnoe posobie). Razrabotal A. V. Abolmov. Otv. red. V. V. Rostiakov. Kuibyshev, 1962. 59 p.

RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie lokomotivnogo khoziaistva. [Album of drawings for the 2D100 diesel locomotive] Al'bom chertezhei dizelia 2D100. Moskva, Transzheldorizdat.
Vol. 1. [Block with covers, crankshafts, vertical transmission, cylinder sleeves, connecting rod and piston group, air blower] Blok s kryshkami, kolenchatye valy, vertikal'naia peredacha, gil'zy tsilindrov, shatunno-porshnevaia gruppa, vozdukhoduvka. 1963. 280 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi geologicheskii komitet. [Technical instructions on magnetic prospecting] Tekhnicheskaia instruktsiia po magnitnoi razvedke. Moskva, Gosgeoltekhizdat, 1963. 246 p. 2 fold. maps insert.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.
Pt. 2. Sec. G. ch. 1. [Specifications for the design of inside water piping in apartment and public buildings] Vnutrenniі vodoprovod zhilykh i obshchestvennykh zdanii; normy proektirovaniia (SNiP II-G. 1-62). 1962. 19 p.
Pt. 2. Sec. I. ch. 9. [Specifications for the design of electric lines with a voltage of over 1 kv] Linii elektroperedachi napriazheniem vyshe 1 kv; normy proektirovaniia (SNiP II-I. 9-62). 1963. 30 p.
Pt. 2. Sec. L. ch. 3. [Specifications for the design of nurseries and kindergartens] Detskie iasli-sady; normy proektirovaniia (SNiP II-L. 3-62). 1962. 11 p.
Pt. 2. Sec. L. ch. 7. [Specifications for the design of stores] Magaziny; normy proektirovaniia (SNiP II-L. 7-62). 1962. 21 p.
Pt. 2. Sec. V. ch. 1. [Specifications for the design of concrete and reinforced-concrete structures] Betonnye i zhelezobetonnye konstruktsii; normy proektirovaniia (SNiP II-V. 1-62). 1962. 100 p.
Pt. 3. Sec. A. ch. 4. [Basic principles for over-all mechanization and automation in the construction industry] Kompleksnaia mekhanizatsiia i avtomatizatsiia v stroitel'stve; osnovnye polozheniia (SNiP III-A. 4-62). 1963. 8 p.
Pt. 3. Sec. V. ch. 5. [Regulations for production, erection and acceptance of metal structures] Metallicheskie konstruktsii; pravila izgotovleniia, montazha i priemki (SNiP III-V. 5-62). 1963. 92 p.
Pt. 3. Sec. V. ch. 10. [Heat insulation; regulations for production and acceptance of work] Teploizoliatsiia; pravila proizvodstva i priemki rabot (SNiP III-V. 10-62). 1963. 14 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions SN 238-63 for the design of hydraulic tunnels. Approved by the State Committee for Construction of the U. S. S. R. on March 28, 1963] Ukazaniia po proektirovaniiu gidrotekhnicheskikh tunnelei SN 238-63. Utverzhdeny 28 marta 1963 g. Moskva, Gosstroizdat, 1963. 31 p.

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Plastic bottle syphons with outlets for wash stands, inter-Republic specifications (MRTU 7-7-62)] Sifony butylochnye (s vypuskom) iz plastmass dlia umyval'nikov, mezhrespublikanskie tekhnicheskie usloviia (MRTU 7-7-62). Moskva, Gosstroizdat, 1962. 7 p.

RUSSIA (illegible) [illegible] i raskhoda abrazivnogo instrumenta. Moskva, Mashgiz, 1963. 42 p.

RUSSIA (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Devices grid for checking pickings with 25, 50, and 80 mm. diameters, design and specifications] Apparaty reshetki dlia kontrolia kolets Rashiga diametrami 25, 50 i 80 mm, ikh struktsiia i ispolnitel'nye razmery (MN 4091-62 - MN 4117-62). Moskva, Standartgiz, 1963. 81 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Heat insulation of connecting pipes (pulse), MN 4383-63 - MN 4391-63] Pipe izolatsiia soedinitel'nykh trub (impul'snykh), MN 4383-63 - MN 4391-63. Moskva, Standartgiz, 1963. 60 p. (SSSR. Normali mashinostroeniia)

RUSSIA (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Technical equipment of paint shops] Tekhnologicheskoe oborudovanie okrasochnykh tsekhov (RTM 55-62). Moskva, Mashgiz, 1963. 112 p.

RUSSIA (1923- U. S. S. R.) Ministerstvo putei soobshcheniia. [Manual for the locomotive engineer] Rukovodstvo parovozomu mashinistu. Izd. 2., dopr. i dop. Pod obshchei red. V. S. Moliukhina. Moskva, Transzheldorizdat, 1963. 389 p.

RUSSIA (1923- U. S. S. R.) Ministerstvo putei soobshcheniia. [Regulations for the maintenance and repair of locomotives in depots. Superseding the regulations on the current repair, maintenance and testing of locomotives approved by the Ministry of Railroad Transportation on March 8, 1957] Pravila tekushchego remonta, ukhoda i ispytaniia parovozov. Vzamen Pravil tekushchego remonta, ukhoda i soderzhaniia parovozov, utverzhdennykh MPS 8/III 1957 g. Moskva, Transzheldorizdat, 1963. 311 p.

RUSSIA (1923- U. S. S. R.) Vsesoiuznaia gosudarstvennaia sanitarnaia inspektsiia. [Collection of principal official materials on food sanitation problems] Sbornik vazhneishikh ofitsial'nykh materialov po voprosam gigiieny pitaniia. Sost. M. G. Shevchenko. Moskva, Medgiz, 1963. 730 p.

RUSSIA (1923- U. S. S. R.) Vsesoiuznaia gosudarstvennaia sanitarnaia inspektsiia. [Methodological instructions on the organization of research on the pollution of air and the study of the effect of atmospheric pollution on the health and sanitary and hygienic living conditions of the population] Instruktivno-metodicheskie ukazaniia po organizatsii issledovaniia zagriaznenii atmosfernogo vozdukha i izucheniia vliianiia etikh zagriaznenii na zdorov'e i sanitarno-gigienicheskie usloviia zhizni naseleniia. Moskva, Medgiz, 1963. 203 p.

SAAKOV, M. A. [Construction and mounting of drilling rigs] Stroitel'stvo i montazh burovykh. Moskva, Gostoptekhizdat, 1963. 361 p.

SALLI, I. V. [Physical principles in the forming of alloy structures] Fizicheskie osnovy formirovaniia struktury splavov. Moskva, Metallurgizdat, 1963. 314 p.

SAVEL'EV, G. P. [Mine signaling; annotated bibliography of publications up to 1958 inclusive] Rudnichnaia signalizatsiia; annotirovannyi bibliograficheskii ukazatel' literatury po 1958 g. vkliuchitel'no. Moskva, Institut gornogo dela, 1963. 130 p.

SEMIN, K. F., and B. D. SHCHERBAKOV. [Mechanization and automation of ticket office operations in stations] Mekhanizatsiia i avtomatizatsiia biletno-kassovykh operatsii na vokzalakh. Moskva, Transzheldorizdat, 1963. 51 p. (Dostizheniia nauki i tekhniki v proizvodstvo)

SENICHKIN, G. V., and A. G. SENICHKIN. [Engine in operation] Dvigatel' v puti. Moskva, Izd-vo DOSAAF, 1963. 95 p.

SENKOV, F. V., N. P. SMIRDINA, and L. N. LOBANOVA. [Heating and heat supply of farm buildings and installations] Otoplenie i teplosnabzhenie sel'skikh zdanii i sooruzhenii. Moskva, Gosstroiizdat, 1963. 146 p.

SEREBRENNYI, G. N. [Modern organization of the erection of buildings from panels and blocks] Sovremennaia organizatsiia montazha zdanii iz panelei i blokov; uchebnoe posobie dlia zaochnogo povysheniia kvalifikatsii inzhenerno-tekhnicheskikh rabotnikov k programme kursa "Progressivnaia tekhnologiia i organizatsiia stroitel'nogo proizvodstva." Moskva, Vses. zaochnyi tekhnikum, 1963. 157 p. fold. diagr. insert.

SEREBRIANYI, E. G. [Laboratory and practical work in telephony in secondary schools] Laboratorno-prakticheskie raboty po telefonii v srednei shkole. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 85 p.

SERGIENKO, S. R., ed. [Petrochemistry] Neftekhimiia. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 340 p.

SERHATIUK, A. KH. [Induced polarization of coal] Vyklykana poliarizatsiia vykopnoho vuhillia. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 64 p.

SHEPELEV, A. M. [Cabinetwork] Stolliarnye raboty. Izd. 2., perer. i dop. [Moskva] Mosk. rabochii, 1963. 271 p.

SHESTOPAL, N. M. [Prefabricated house construction] Zavodskoe domostroenie. Minsk, Izd-vo Akad. nauk BSSR, 1963. 80 p.

SHEVIAKOV, N. N. [Stress analysis of gear wheel teeth, a textbook for the course "Machine parts"] Raschet zub'ev zubchatykh koles na prochnost', uchebno-metodicheskoe posobie po kursu "Detali mashin." Moskva, Vses. zaochnyi mashinostroitel'nyi in-t, 1963. 38 p.

SHIMANOVA, Z. E. [Technical expert examination of the causes of fires] Pozharno-tekhnicheskaia ekspertiza. Pod obshchei red. R. S. Belkina. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 86 p.

SHIPILLO, V. P., V. V. SIRITSA, and O. G. BULATOV. [Electromagnetic processes in a high-speed reversive electronic converter] Elektromagnitnye protsessy v bystrodeistvuiushchem reversivnom tonnom preobrazovatele. Moskva, Gosenergoizdat, 1963. 79 p. (Biblioteka po avtomatike, no. 83)

SHIROKOV, S. D. [Asphalt concrete] Asfal'tobeton. Moskva, Avtotransizdat, 1963. 45 p. (V pomoshch rabochemu-dorozhniku)

SHTEINBUK, V. L. [Flameless blasting in coal mines] Besplamennoe vzryvanie na ugol'nykh shakhtakh. Kiev, Gostekhizdat USSR, 1963, 93 p.

SHTOKMAN, I. G., L. I. EPPEL', and A. M. FILIPPOV. [Operation of underground conveyers] Ekspluatatsiia podzemnykh konveierov. Moskva, Gosgortekhizdat, 1963. 202 p.

SHUBARIN, IU. V., and A. F. ZORKIN. [Antenna measurements at superhigh frequencies] Antennye izmerenila na sverkhvysokikh chastotakh; antennyi praktikum. Khar'kov, Izd-vo Khar'kovskogo univ., 1962. 170 p.

SKATYNSKII, V. I. [Pocket handbook for the builder] Karmannyi spravochnik stroitelia. 4. izd. Kiev, Gosstroiizdat, 1963. 575 p.

SKLIAR, M. G., and IU. B. TIUTIUNNIKOV. [Laboratory practice in the chemistry of solid fuels] Laboratornaia praktika po khimii tverdykh goriuchikh iskopaemykh. Pod red. L. L. Nesterenko. Khar'kov, Izd-vo Khar'kovskogo univ., 1962. 194 p.

SLAVCHENKO, N. A. [Electric tools for assembly and repair work] Elektrifitsirovannyi instrument dlia montazhnykh i remontnykh rabot. Moskva, Proftekhizdat, 1963. 109 p. (Biblioteka molodogo rabochego)

SOBOL'EV, M. A. [Chemistry of flax and bast fiber materials] Khimiia l'na i lubovoloknistykh materialov. Moskva, Gizlegprom, 1963. 140 p.

SOKOLOV, O. V. [Investigating the performance of motor-vehicle mechanisms under operating conditions] Issledovanie rezhimov raboty mekhanizmov avtomobilia v ekspluatatsionnykh usloviiakh. Moskva, Avtotransizdat, 1963. 39 p.

SOKOLOV, P. V., and E. A. SHORNIKOV. [Centralized control and automatic regulation of conditions in lumber drying kilns] TSentralizovannyi kontrol' i avtomaticheskoe regulirovanie rezhimov v lesosushil'nykh kamerakh. Leningrad
No. 1. 1963 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia 'Derevoobrabatyvaiushchaia promyshlennost', no. 5)

SOKOL'SKII, V. N. [Solid fuel rockets in Russia] Rakety na tverdom toplive v Rossii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 285 p.

SOLODUNOV, A. M. [Repair and maintenance of the auxiliary machines of a c. locomotives] Remont i soderzhanie vspomogatel'nykh mashin elektrovozov peremennogo toka. Moskva, Transzheldorizdat, 1963. 72 p. (Bibliotechka slesaria po remontu elektropodvizhnogo sostava)

SOLOVTSOV, V. K. [Monitoring and measuring instruments] Kontrol'no-izmeritel'nye pribory. Moskva, Proftekhizdat, 1963. 235 p.

SOLTAMOV, B.-S. D. [Automated electric drives in the woodpulp industry] Avtomatizirovannye elektroprivody na predprilatiiakh tselliulozno-bumazhnoi promyshlennosti. Moskva, Goslesbumizdat, 1963. 268 p.

SOROKIN, N. IA. [Teaching special turning technology in a school] Prepodovanie spetsial'noi tekhnologii tokarnogo dela v uchilishche. Moskva, Proftekhizdat, 1962. 61 p. (Obmen opytom raboty)

SOSNIN, IU. P. [Converting a local heating system to gas fuel] Perevod mestnogo otopleniia na gazovoe toplivo; posobie dlia pechnikov i tekhnikov domoupravlenii. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 159 p.

SOVESHCHANIE PO TEORII LITEINYKH PROTSESSOV, 8th. [Mechanical properties of cast metals] Mekhanicheskie svoistva litogo metalla; trudy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 307 p.

SRETENSKII, V. N. [Principles of the use of electronic superhigh frequency devices, characteristics, study methods and evaluation of the correctness of the use of superhigh frequency devices] Osnovy primeneniia elektronnykh priborov sverkhvysokikh chastot, svoistva, metody issledovaniia i otsenka pravil'nosti primeneniia priborov SVCh. Moskva, Sovetskoe radio, 1963. 416 p.

STAROBINETS, I. S., and F. Z. SAGIDOVA. [Geochemistry of oils and gases in the Fergana Valley] Geokhimiia neftei i gazov Ferganskoi depressii. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 155 p.

STEPANOV, A. V. [Future of metalworking] Budushchee metalloobrabotki. [Leningrad] Lenizdat, 1963. 129 p. (Nauka i kommunizm)

STRAMENTOV, A. E., and M. S. FISHEL'SON. [City traffic; problems of speed and safety] Gorodskoe dvizhenie; voprosy skorosti i bezopasnosti. Moskva, Gosstroiizdat, 1963. 293 p.

SUCHILIN, A. M. [Linear tracking systems] Lineinye sledlashchie sistemy, konspekt lektsii. Leningrad, Leningr. politekhn. in-t, 1963. 117 p.

SUCHKOV, A. E. [Conserve and economize on the use of metal] Berech' i ekonomit' metall. Minsk, Goslizdat BSSR, 1963. 47 p.

SYTSKO, P. A., V. A. GUTKOVSKII, and M. S. PODCHUFAROV. [Shift crew method in the operation of locomotives; experience of the White Russian Railroad] Smennaia ezda na parovozakh, opyt Belorusskoi dorogi. Moskva, Transzheldorizdat, 1963. 56 p.

TAITS, B. A., ed. [Manufacture of gear wheels] Proizvodstvo zubchatykh koles, spravochnik. [By] S. N. Kalashnikov i dr. Moskva, Mashgiz, 1963. 683 p.

TALIEV, V. N. [Aerodynamics of ventilation] Aerodinamika ventiliatsii. 2., izd., perer. i dop. Moskva, Gosstroiizdat, 1963. 339 p.

TARTAKOVSKII, B. N., and B. G. SELIANIN. [Mining minerals by the open cut method] Razrabotka mestorozhdenii poleznykh iskopaemykh otkrytym sposobom. Moskva, Gosgortekhizdat, 1963. 194 p.

TEMCHIN, G. I. [Multitool adjustments, theory and design] Mnogoinstrumentnye naladki, teoriia i raschet. Izd. 2., ispr. Moskva, Mashgiz, 1963. 542 p.

TEN, I. A. [Modern deep foundations for highway bridges] Sovremennye fundamenty glubokogo zalozheniia v avtodorozhnykh mostakh. Moskva, Avtotransizdat, 1963. 274 p.

TITOV, V. D., and A. I. ONISHCHENKO. [Underground method of iron ore mining] Razrabotka rud chernykh metallov podzemnym sposobom. Moskva, Gosgortekhizdat, 1963. 181 p.

TKACHENKO, F. A., and others. [Mechanization and automation in Krivoy Rog basin mines] Mekhanizatsiia i avtomatizatsiia shakht Krivbassa. [Dnepropetrovsk] Dnepropetrovskoe knizhnoe izd-vo, 1963. 60 p.

TOKAREV, K. K., and M. P. DEMAT. [Tackling operations for the installation of equipment in industrial enterprises] Takelazhnye raboty pri montazhe oborudovaniia promyshlennykh predpriiatii. Izd. 3, perer. i dop. Moskva, Gosstroiizdat, 1963. 198 p.

TOMLENOV, A. D. [Mechanics of metal-shaping processes] Mekhanika protsessov obrabotki metallov davleniem. Moskva, Mashgiz, 1963. 234 p.

TRAKHTENBERG, L. S. [Motion pictures and the operator of sound recording and reproducing systems] Kinofil'm i zvukooperator. Moskva, Iskusstvo, 1963. 100 p.

TREPENENKOV, I. I. [Operational indices of farm tractors] Ekspluatatsionnye pokazateli sel'skokhoziaistvennykh traktorov. Izd. 2., ispr. i dop. Moskva, Mashgiz, 1963. 270 p.

TSUKERBERG, S. M. [New motor-vehicle tires] Novye avtomobil'nye shiny. Pod red. G. V. Kramarenko. [Moskva] Rosvuzizdat, 1963. 64 p.

TUN, A. IA., and A. O. IVANOV. [Repair of the electrical machines of electric drives] Naladka elektricheskikh mashin elektroprivodov. Moskva, Gosenergoizdat, 1963. 94 p. (Biblioteka po avtomatike, no. 85)

UMANSKII, A. A. [Food is prepared by automatic machines] Pishchu gotoviat avtomaty. Moskva, Izd-vo "Znanie," 1963. 31 p.

URSULOV, I. M. [Underground mine haulage] Shakhtnyi podzemnyi transport. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1963. 237 p.

[USE OF REFRIGERATION FOR THE PRESERVATION OF AGRICULTURAL PRODUCTS] Primenenie kholoda dlia khraneniia sel'skokhoziaistvennykh produktov. Moskva, Sel'khozizdat, 1963. 53 p.

VAINTRAUB, D. A. [Bending dies with hinged die blocks] Gibochnye shtampy s sharnirnymi matritsami. Leningrad, 1963. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Goriachaia i kholodnaia obrabotka metallov davleniem, no. 3)

VARGAFTIK, N. B. [Manual on the thermophysical properties of gases and liquids] Spravochnik po teplofizicheskim svoistvam gazov i zhidkostei. Moskva, Fizmatgiz, 1963. 708 p.

VASIL'EV, A. G. [Internal combustion engines] Dvigateli vnutrennego sgoraniia; uchebnoe posobie. Leningrad, Leningradskii institut inzhenerov zheleznodorozhnogo transporta imeni akademika V. N. Obraztsova, 1961. 53 p.

VASIL'EV, K. V. [Gas and electric cutting of metals] Gazoelektricheskaia rezka metallov. Moskva, Mashgiz, 1963. 173 p.

VASIL'EV, N. V. [Intrafactory transportation and storage facilities in ore-dressing plants] Vnutrifabrichnyi transport i skladskoe khoziaistvo obogatitel'nykh fabrik. Izd. 2., perer. i dop. Moskva, Gosgortekhizdat, 1963. 339 p.

VERESHCHAK, F. P. [Reconditioning motor-vehicle parts by electrolytic deposition] Vosstanovlenie avtomobil'nykh detalei gal'vanicheskim narashchivaniem. [n. p.] Rosvuzizdat, 1963. 33 p.

VERESKUNOV, V. K., and M. G. SHUVALOV. [Fire safety in the performance of construction and erection work] Pozharnaia bezopasnost' pri proizvodstve stroitel'no-montazhnykh rabot. Moskva, Gosstroiizdat, 1963. 111 p.

VERTSMAN, G. Z., and P. I. PANTELEEV, eds. [Design and planning of railroad stations and junctions] Proektirovanie zheleznodorozhnykh stantsii i uzlov, spravochnoe i metodicheskoe proizvodstvo. Moskva, Transzheldorizdat, 1963. 443 p.

VESELOVSKII, V. S. [Testing of mineral fuels] Ispytanie goriuchikh iskopaemykh. Moskva, Gosgeoltekhizdat, 1963. 410 p.

VETROV, A. K. [Accidents during core drilling and methods to control them] Avarii pri kolonkovom burenii i sposoby bor'by s nimi. Moskva, Gosgeoltekhizdat, 1963. 153 p.

VIAZNIKOV, N. F., and A. N. POPANDOPULO. [Modern high-speed steel and its heat treatment] Sovremennaia bystrorezhushchaia stal' i ee termicheskaia obrabotka. Leningrad, 1963. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia Metallovedenie i termicheskaia obrabotka, no. 5)

VILENSKII, N. M. [Effective use of secondary power resources] Ratsional'noe ispol'zovanie vtorichnykh energeticheskikh resursov. Moskva, Metallurgizdat, 1963. 271 p.

VINNIK, P. IA., and M. M. SLAPAK. [Transportation and over-all mechanized reloading of cement in bulk] Opyt perevozki i kompleksno-mekhanizirovannoi peregruzki tsementa nasyp'iu. Moskva, Izd-vo "Morskoi transport," 1963. 64 p.

VINOGRADOV, G. M., comp. [Brief handbook on the construction of rural medical institutions] Kratkii spravochnik po stroitel'stvu sel'skikh lechebnykh uchrezhdenii. Moskva, Medgiz, 1963. 95 p.

VINOGRADOV, V. N. [Drawing] Cherchenie. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 96 p.

VISHNEVSKII, Z. A. [Repair of cameras] Remont fotoapparatov. Moskva, Gosbytizdat, 1963. 205 p.

VLASOV, P. F. [Ventilation, air-conditioning and pneumatic conveying in tobacco factories] Ventilitatsiia, konditsionirovanie vozdukha i pnevmaticheskii transport na tabachnykh fabrikakh. Moskva, Pishchepromizdat, 1963. 155 p.

VODOP'IANOV, M. V. [Pilot Chkalov] Letchik Chkalov. Moskva, Izd-vo DOSAAF, 1963. 196 p.

VOLGIN, L. N. [Elements of the theory of control machines] Elementy teorii upravliaiushchikh mashin. Moskva, Sovetskoe radio, 1962. 155 p. (CStmoR)

VOLKHONSKAIA, R. A., and others. [Building materials made of waste products from oil shale winning and processing] Stroitel'nye materialy iz otkhodov dobychi i pererabotki goriuchikh slantsev. Leningrad, 1963. 36 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Serilat Stroitel'nye materialy i konstruktsii, no. 4)

VOLKOV, S. A., and A. S. VOLKOV. [Handbook on exploration boring] Spravochnik po razvedochnomu bureniiu. Moskva, Gosgeoltekhizdat, 1963. 547 p.

VOLZHENSKII, A. V., B. N. VINOGRADOV, and K. V. GLADKIKH. [Concretes and products based on slag and ash cements, hardened in steam chambers and autoclaves] Betony i izdeliia na shlakovykh i zol'nykh tsementakh, pri tverdenii v propарochnykh kamerakh i avtoklavakh. Pod obshchei red. A. V. Volzhenskogo. Moskva, Gosstroiizdat, 1963. 361 p.

VOSKANIAN, V. A. [Industrial installation of drainage with the use of pipe filters] Industrial'noe ustroistvo drenazha s pomoshch'iu trubofil'trov. Leningrad, Gosstroiizdat, 1963. 149 p.

VOVK, A. A. [A blaster's manual] Spravochnik vzryvnika. Kiev, Gostekhizdat USSR, 1963. 525 p.

VUKOLOV, L. A., and V. K. USPENSKII. [Control of block and disk brakes with blocks and disks made from composition materials] Upravlenie kolodochnymi i diskovymi tormozami s kolodkami i nakladkami iz kompozitsionnogo materiala. Moskva, Transzheldorizdat, 1963. 20 p. (Dostizheniia nauki i tekhniki v proizvodstvo)

ZAGORSKII, F. N. [L. F. Sabakin, mechanic of the 18th century, a sketch of his life and work] L. F. Sabakin — mekhanik XVIII veka, ocherk zhizni i deiatel'nosti. Moskva, Izd-vo Akad. nauk SSSR, 1963. 80 p. (Nauchno-biograficheskaia serilia)

ZAICHIK, M. IU. [Problems and exercises in theoretical electrical engineering] Sbornik zadach i uprazhnenii po teoreticheskoi elektrotekhnike. Moskva, Gosenergoizdat.
Pt. 2. 1963. 175 p.

ZAKHAROV, P. A. [Safety manual for fan installers] Pamiatka po tekhnike bezopasnosti dlia slesarei — ventilitatsionnikov. Moskva, Gosstroiizdat, 1963. 15 p. (Tekhnika bezopasnosti v stroitel'stve)

ZAKIN, IA. KH. [Geometrical parameters of automotive transportation structures in the case of the use of tractor trains, investigations and recommendations] Geometricheskie parametry sooruzhenii avtomobil'nogo transporta pri ispol'zovanii avtopoezdov, issledovaniia i rekomendatsii. Moskva, Avtotransizdat, 1963. 43 p.

ZEN'KOV, I. S., and G. N. SEREBRENNYI. [Examples of organization planning in construction and erection work] Primery proektirovaniia organizatsii stroitel'no-montazhnykh rabot; opyt diplomnogo proektirovaniia. Moskva, Gosstroiizdat, 1963. 170 p.

ZHARMAGAMBETOV, B. S., and M. M. SERDIUKOV. [Problems in the industrialization of housing construction in earthquake areas] Voprosy industrializatsii zhilishchnogo stroitel'stva v seismicheskikh raionakh. Alma-Ata, Kazgosizdat, 1963. 197 p.

ZHIGULEV, A. S. [Electrovibrating machine operator] Mashinist elektrovibratsionnoi mashiny. Moskva, Gosgortekhizdat, 1963. 91 p. (Bibliotechka molodogo obogatitelia)

ZHOROVIN, N. A. [Consumer's requirements as to the quality of potatoes] Potrebitel'nye kachestva kartofelia. Pod red. A. A. Kolesnika. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 145 p.

ZLOBINSKII, B. M., ed. [Investigations and tests] Issledovaniia i ispytaniia; spravochnoe posobie. Moskva, Metallurgizdat, 1964. 387 p. (Bezopasnost' truda na proizvodstve)

ZLOBINSKII, B. M., and others. [Principles of safety engineering, laboratory work] Osnovy tekhniki bezopasnosti, laboratornye raboty. Izd. 2., perer. i dop. Moskva, Metallurgizdat, 1963. 92 p.

ZNACHKO-IAVORSKII, I. L. [Outline history of binding substances from oldest times to the middle of the 19th century] Ocherki istorii viazhushchikh veshchestv ot drevneishikh vremen do serediny XIX veka. Moskva, Izd-vo Akad. nauk SSSR, 1963. 496 p. illus.

ZNAMENSKII, V. A. [On the way to other planets] Na puti k drugim planetam. Voronezh, Izd-vo Voronezhskogo univ., 1963. 61 p.

ZORIN, E. T., and IU. M. TINIAKOV. [Assembly, operation and repair of bakery equipment] Montazh, ekspluatatsiia i remont khlebopekarnogo oborudovaniia. Moskva, Izd-vo TSentrosoiuza, 1963. 261 p.

ZOTOV, I. G. [Preparing motorcycles for competitions] Podgotovka mototsiklov k sorevnovaniiam. Moskva, Izd-vo DOSAAF, 1963. 119 p.

ZUBAKOV, D. I. [Electric erosion methods of machining metals] Elektroerozionnye sposoby obrabotki metallov. Pod red. V. I. Sysoeva. [Moskva] Rosvuzizdat, 1963. 39 p.

17. MILITARY & NAVAL SCIENCES

AGAFONOV, V. A., V. G. ERMILOV, and I. V. PATIKOV. [Marine condenser plants] Sudovye kondensatsionnye ustanovki. Leningrad, Sudpromgiz, 1963. 189 p.

ARSEN'EV, N. [Heroes, signalmen] Geroi - sviazisty. Moskva, Izd-vo DOSAAF, 1963. 145 p.

[AUTHORITY OF THE COMMANDER] Avtoritet komandira. Moskva, Voenizdat, 1963. 79 p.

AVERBUKH, V. L., and I. Z. BERLIN. [How to protect cereal products against radioactive, chemical substances, and bacterial agents] Kak zashchitit' khlebnye produkty ot radioaktivnykh, khimicheskikh veshchestv i bakterial'nykh sredstv. Moskva, TsINTI, 1963. 44 p.

AVERKIEV, V. P. [Fish location and electronavigation equipment on ships] Sudovye rybopoiskovye i elektronavigatsionnye pribory. Leningrad, Sudpromgiz, 1963. 231 p.

BELIAEV, L. M. [Safety measures in knotting and splicing operations in shipbuilding] Tekhnika bezopasnosti pri takelazhnykh rabotakh v sudostroenii. Leningrad, Sudpromgiz, 1963. 61 p. (Biblioteka po tekhnike bezopasnosti)

BESSMERTNYI, E. D. [The years of my life, notes of an old seaman] Gody zhizni, zapiski starogo moriaka. Vladivostok, Primorskoe knizhnoe izd-vo, 1963. 229 p.

BLIUKHER, V. K. [V. K. Bliukher, articles and speeches] V. K. Bliukher, stat'i i rechi. Moskva, Voenizdat, 1963. 232 p.

BOROVYKH, A. E. [Be an expert, a first-class specialist] Bud' otlichnikom, klassnym spetsialistom. Moskva, Voenizdat, 1963. 51 p. (Molodomu soldatu i matrosu o voinskoi sluzhbe)

DOBROLENSKII, IU. P., V. I. IVANOVA, and G. S. POPELOV. [Automation of guided missiles] Avtomatika upravliaemykh snariadov. Pod red. G. S. Popelova. Moskva, Oborongiz, 1963. 548 p.

DOROFEEV, A. N. [Rocket fuses] Vzryvateli raket. Moskva, Voenizdat, 1963. 84 p. (Za voenno-tekhnicheskie znaniia)

FAIVUSHEVICH, V. M. [Maintenance and repair of marine internal combustion engines] Remont sudovykh dvigatelei vnutrennego sgoraniia. Leningrad, Izd-vo "Morskoi transport," 1963. 208 p.

FEDOROV, A. G. [Wages of happiness; memoirs of a flight commander] Plata za schast'e, zapiski letchika komandira. Moskva, Molodaia gvardiia, 1963. 242 p.

FROLOV, M. L. ["The winged guard", a book of feature stories on heroic fliers] Krylataia gvardiia, kniga reportazh o letchikakh-geroiakh. [Leningrad] Lenizdat, 1963. 134 p.

GLUSHCHENKO, M. S., B. V. KUZNETSOV, and I. I. SHIPINAR. [Motorboat engines] Lodochnye dvigateli. Kiev, Gostekhizdat USSR, 1963. 179 p.

[HANDBOOK ON SHIP REPAIRS IN TWO VOLUMES] Spravochnik po remontu sudov v dvukh tomakh. Pod obshchei red. M. I. Chernova. Moskva, Izd-vo "Morskoi transport."
Vol. 1. 1963. 550 p.

IAKUSHENKOV, A. A. [Principles of inertial navigation] Osnovy inertsial'noi navigatsii. Moskva, Izd-vo "Morskoi transport," 1963. 145 p.

IKONNIKOV, S. A., and F. D. URLANG. [Design of marine power plants (for the merchant marine)] Proektirovanie sudovykh silovykh ustanovok (transportnogo flota). Moskva, Izd-vo "Rechnoi transport," 1963. 383 p.

KHANDOV, Z. A., and V. F. ERMAKOV. [Marine diesel engine operations with a two-stage fuel feed] Rabota sudovogo dizelia s dvukhfaznoi podachei topliva. Leningrad, Sudpromgiz, 1963. 82 p.

KON'KOV, N. G. [Aircraft rocket weapons, according to data from foreign newspapers] Raketnoe oruzhie na samolete, po dannym zarubezhnoi pechati. Pod. red. V. A. Kuznetsova. Moskva, Voenizdat, 1963. 107 p. (Nauchno-populiarnaia biblioteka voennogo izdatel'stva)

KUPER, A. M. [Construction, equipment and utilization of sports establishments in the Soviet Army] Stroitel'stvo, oborudovanie i ekspluatatsiia sportivnykh sooruzhenii v Sovetskoi Armii. Moskva, Voenizdat, 1963. 211 p. diagrs

LENINGRAD. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MORSKOGO FLOTA. [Industrial safety and the improvement of working conditions in the merchant marine] Tekhnika bezopasnosti i uluchshenie usloviĭ truda na morskom flote. Leningrad, Izd-vo "Morskoi transport," 1963. 96 p. [Issued "instead of" Its. Trudy, no. 40]

LIAKHOV, K. S., and K. P. CHENTSOV. [Practical manual for a dispatcher in the river fleet] Prakticheskoe posobie dispetcheru rechnogo flota. Moskva, Izd-vo "Rechnoi transport," 1963. 197 p.

LOBODA, V. F. ["Slava," a soldier's medal] Soldatskaia Slava. Moskva, Voenizdat, 1963. 294 p.

SHEININ, IU. M. [Science and militarism in the U. S. A, scientific and technological revolution in military art and the origination of conditions for the crisis of militarism] Nauka i militarizm v SShA, nauchno-tekhnicheskiĭ perevorot v voennom dele i vozniknovenie predposylok krizisa militarizma. Moskva, Izd-vo Akad. nauk SSSR, 1963. 590 p.

SIVOLINSKII, IU. M. [Heroic sailors of the brig "Merkurii"] Geroi briga "Merkurii." Moskva, Voenizdat, 1963. 78 p. (Geroicheskoe proshloe nashei Rodiny)

SUR, P. S. [Manual on steering-gear handling] Posobie po rulevomu delu. Moskva, Izd-vo DOSAAF, 1963. 174 p.

TEREKOV, E. A. [Sivers, a tale] Sivers, povest'. [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 283 p.

VINOGRADOV, IURII. [Birth of an exploit, essays] Rozhdenie podviga, ocherki. Riga, Latviiskoe gos. izd-vo, 1963. 109 p.

VORONOV, N. N. [In the military service] Na sluzhbe voennoi. Moskva, Voenizdat, 1963. 436 p. (Voennye memuary)

VYSHIVKINA, A. S. [Mutual assistance of the population in the use of chemical weapons (poisonous substances)] Vzaimopomoshch naselenia pri primenenii khimicheskogo oruzhiia (otravliaiushchikh veshchestv). Moskva, Medgiz, 1963. 71 p.

PART B—PERIODICALS

An asterisk (*) appearing before a periodical title indicates that it is available in full English translation. For publishers of such translated periodicals, their subscription prices, etc, see listing at end of this issue

1. GENERAL

• SCHOLARLY JOURNALS

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Izvestiia. Seriia fiziko-matematicheskikh i tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Bulletin. Series in the Physical, Mathematical, and Technological Sciences]. Baku, no 4, 1963.

Table of contents translated

Rakhmanov, P A - Solution of the problem involving a transverse impact against a thread situated in a resistant medium, p. 3.

Gumidov, A A - Simultaneous approximation of functions and their directional derivatives in n-dimensional Euclidean space p. 13

Kasumov, R IA., Timofeev, B B - Problems concerning errors and data processing in measuring the frequency of string transducers in systems of centralized control with electronic digital computers p. 21

Veliev, M. I., and others. - Effect of crystallization on the heat conductivity of selenium. p 33.

Imanov, L M., Mirzoev, F G - Dielectric properties of acetic acid and its solutions in benzene. p. 37.

Kadymov, IA. B , and others - Numerical method of calculating transients in electric circuits with distributed parameters without allowance for losses. p 45

Guliev, IU. E. - Operating conditions of electric stations of a power system in dry years p. 53.

Puchkova, L. V. - Frenet's formulae in semielliptic spaces p. 59.

Mirzoian, A. A - Motion of a viscoplastic liquid in the entrance part of a tube p 65.

Gasanov, G T - Solution of a problem concerning unsteady motion of a viscous incompressible liquid p. 75.

Kadyrov, N. K , IUsibova, A D., Gabibov, A. B - Graphic analysis of the pvt-relations of certain liquid alkanes of normal structure. p 85.

Abbasov, A A. - Unsteady motion of a viscoplastic liquid between a rotating and a stationary coaxial cylinder. p. 99

Guseinov, G. P., Kamparov, G. S - Unsteady plane-radial motion of a compressible liquid in an elastic inhomogeneous stratum. p 105

Kazymov, A. Sh. - Determination of a capillary pressure jump at the interface of two ponderable fluids on the basis of observed values of the traveling speed. p 121.

Akhund-zade, M. IU , Tagiev, I. G. - New approximate method for solving equations describing the equilibrium of arbitrary flat shells. p. 127.

Khalilov, A. Kh , Isaev, F. K - Effect of anions of the bases on the trapping centers in certain alkali halide crystal phosphors with a mixed base. p. 135.

Kubesov, A. - Infinitesimal methods in works of Nazir al-Din Al-Tusi. p 147.

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Izvestiia. Seriia obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Bulletin. Series in the Social Sciences]. Baku, no. 6, 1961.

Table of contents translated:

Akhmedov, Kh. - Establishment of soviets in Azerbaijan, 1920-1921. p. 3.

Neimatova, M. S. - Epitaphs in the cemetery of the Nukha Khanate. p. 19.

Dzhiddi, G. - Historical and archaeological information on the Giulistan stronghold. p. 39.

Guliev, G. A. - From the history of weaving in Azerbaijan during the 13th - 16th century. p. 67.

Khalilov, R. IA. - The word "bir" in the Azerbaijani language and its derivatives. p. 87.

Khalilova, F. - Repetition in Mir Dzhalal's language and its syntactic and stylistic significance. p. 81.

Zeinalov, A. R. - Literary problems in the "Kashkul" journal. p. 95.

Nadzharova, N. - Artistic folk glazed pottery of Azerbaijan during the 12th-13th century. p. 107.

Fatullaev, Sh. - The architecture of Baku at the turn of the 19th-20th century. p. 123.

Mekhtiev, R. G. - Development and problems of the planning of Apsheron and the Azerbaijan Economic Administration District. p. 143.

Abulsalimzade, G. IA. - Electrification of the national economy of Azerbaijan during the period of socialist industrialization, 1926-1929. p. 155.

Panakhi, M. A. - Transcription of Arabic vowels in contemporary Azerbaijani. p. 167.

Aliev, I. - Conference held at the Lenin Pipe-Rolling Mill in Azerbaijan. p. 177.

Criticism and book reviews. p. 193.

EESTI NSV TEADUSTE AKADEEMIA. Toimetised. Uhiskonnateaduste seeria. Izvestiia Akademii nauk Estonskoi SSR Seriia obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE ESTONIAN S. S. R. Bulletin. Series in the Social Sciences]. Tallinn, vol. 12, no. 4, 1963.

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Vestis. Izvestiia Akademii nauk Latviiskoi SSR [ACADEMY OF SCIENCES OF THE LATVIAN S. S. R Bulletin]. Riga, no. 9(194), 1963.

Table of contents translated.

Emel'ianova, S. - Formation of the new man in the groups of communist labor. p. 3.

Denisova, R. - Anthropological type of the eastern Lithuanians. p. 15.

Markov, V. - Law of the relationship between mass and energy and the problems of the unity of the world. p. 27.

Kunina, A. - Potential for increasing the productivity of the printing industry in Latvia. p. 33.

Paegle, K. - Temperature graphs of the water of central heating systems. p. 43.

Kashcheev, V. - Role of optical phonons in phonon relaxation. p. 49.

Shvarts, K., Feldmane, E. - Microscopic studies of the defects in alkali-halogenous crystals by the evaporation method. p. 57.

Liepins, P. - Jointing of Sub-Quaternary sediments in the Latvian S. S. R. p. 61.

Line, R. - Productivity of the zooplankton of Lake Rusnd. p. 71.

Klavina, G. - Development of the exhibits of pine and pine-spruce forests at the Section of Local Flora of the Botanical Garden of the Academy of Sciences of the Latvian S. S. R. [in Latvian]. p. 76.

Popov, V. - Isolation of active viruses from tumors of viral origin non-inoculable by filtrates. p. 83.

Grom, N., and others. - Amino acid composition and biological effectiveness of some preparations for parenteral nitrogen alimentation. p. 91.

Burmeisters, L. - Speech audiometry in Latvian. p. 95.

Borovkov, S., Zhdan, N. - Permissible time for the exclusion of the liver from blood circulation and the effect of the extent of the resection on its function. p. 103.

Artiukh, M. - Effect of lactic acid hydrazides on the central nervous system. p. 111.

Kneta, Z. - Content of trace elements in the myocardium. p. 115.

Cimermanis, S. - Expedition of ethnographers of the Latvian S. S. R. conducted in 1962 [in Latvian]. p. 123.

Grundmanis, G. - Conference on the physiology and biochemistry of farm animals. p. 130.

Peile, E. - Publications of the Department of Chemical and Biological Sciences of the Academy of Sciences of the Latvian S.S.R. [in Latvian and Russian]. p. 133.

Brief news. p. 136.

Karl Martynovich Graudins; obituary. p. 137.

LENINGRAD. UNIVERSITET. Vestnik [UNIVERSITY Review]. Vol. 18, no. 21, 1963. Seriia biologii [Series in Biology], no. 4.

Table of contents translated:

Dondua, A. K., Tilling, L. V. - Septic inflammation at different stages of ontogenesis in chicks. p. 5.

Smirnov, P. K., Sheheglova, A. I. - Temperature regulation in desert rodents under the conditions of insolation and high temperatures. p. 12.

Terent'ev, P. V. - Use of the analysis of variance in determining the qualitative abundance of terrestrial vertebrates in the U. S. S. R. p. 19.

Zauer, L. M. - Some data on the diatoms of Khrenov Island (Franz Josef Land). p. 27.

Shmidt, V. M., Vargina, N. E. - Flora of limestone soil crops of the right bank of the Velikaya River near Pskov. p. 36.

Cherepanova, N. P. - Effect of the conditions of nutrition on the development of perithecia in ascomycetes. Part I. p. 49.

Brodskaia, N. I. - Glycogen fraction metabolism in the brain and liver of rats of various ages. p. 57

Panteleev, A. N., Zhukov, L. B. - Effect of malonic acid on the respiration and the transformation of organic acids in onions. p. 65.

Stepanova, A. M. - Effect of the light factor on the growth and photosynthesis of Chlorella. p. 73.

Tochilov, K. S. - Some methodological problems of the physiology of work. p. 86.

Volchkov, IU. A., Aleksandrov, IU. N. - Relation between the frequency of the occurrence of phenocopies and the X-ray dose. p. 95.

Osipov, D. V. - Mating types of the clones of Paramecium caudatum (Ehrb) from the waters of some regions of the Soviet Union. p. 100.

Inge-Vechtomov, S. G. - New genetic lines of the yeast Saccharomyces cerevisiae. p. 117.

Rydalevskaia, M. D., Tereshenkova, I. A. - Characteristics of the humus-illuvial process in a whortleberry spruce forest under different herbaceous vegetation. p. 126.

TSyplenkov, V. P. - Changes in the mobility of humic compounds of peat. p. 138.

Alieva, R. M. - Studying the conditions of the formation of idonate and gluconate. p. 146.

Airapet'iants, A. E. - Ecology of the flying squirrel Pteromys volans in Leningrad Province. p. 151.

Ganzen, V. A., Granovskaia, R. M. - Some frequency transformations studied on the models of neurons. p. 155.

Kal'vish, T. K. - Air mycoflora in bakeries. p. 160.

Fedorova, N. A., Komkova, A. I. - Phosphoprotein phosphatase and phosphatase activity of protein fractions from a hog's spleen. p. 168.

Funtikov, D. A. - Investigating the excitability of the human visual analyser during rolling at sea. p. 17

LYSTY DO PRYIATELIV. LETTERS TO FRIENDS. Newark, N. J., vol. 11, no. 11/12(129-130), 1963.

NAUKOVE TOVARYSTVO IMENI SHEVCHENKA. Tvorchi pratsi. Visti [SHEVCHENKO SCIENTIFIC SOCIETY. European Branch. News]. Sarcelles, France, no. 10, Dec. 1963.

OBSHCHESTVENNYE NAUKI V UZBEKISTANE [SOCIAL SCIENCES IN UZBEKISTAN]. Issued by Akademiia nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S. S. R.]. Tashkent, vol. 7, no. 8, 1963.

Table of contents translated:

Let us bring ideological work to the level of the tasks of the building of communism. p. 5.

Muminov, I. M. - Encourage the new and better traditions. p. 12.

Khodzhaev, Sh. G. - Increased role of public organizations in the building of communism. p. 20.

Seitov, P. D. - Gnoseological aspects of the basic problem of philosophy. p. 27.

Aminova, R. Kh. - From the history of the creation and development of the simpler forms of agricultural cooperation in the Turkestan A. S. S. R. p. 3

Rempel', L. N. - Study of the styles in the art of Central Asia. p. 41.
Khusnutdinov, S. - Development of a network of automobile roads in the rural districts of the Uzbek S. S. R. p. 50.
Akramov, A. M. - "Tawarikh-i Guzide, Nusrat-nameh," as a source of the history of Uzbekistan from the 15th to the early 16th century. p. 54.
Khasanov, Kh. - The world map from al-Biruni's book "Al-Tafkhim." p. 59.
Mukhamedzhanov, A. R. - From the history of cultivation practices in the lowlands of Zeravshan. p. 61.
Kononov, A. N. - A valuable work on the grammar of the old Uzbek language. p. 63.
Shamansurova, O. Sh., Abaeva, T. G. - A book on Ahmad Shah Durrani by an Indian historian. p. 71.
Abduganiev, A. - Conference on the application of mathematical methods of economic research. p. 73.
Ishaev, A. - The Fourth Regional Conference on the Dialectology of Turkic Languages. p. 74.
Muradov, M. - Search for folk treasures. p. 60.

ORekHOVO-ZUYEVO. PEDAGOGICHESKII INSTITUT. Uchenye zapiski [PEDAGOGICAL INSTITUTE. Studies] Moscow, vol. 20, no. 3, 1963.

Table of contents translated:

Fomichev, F. I. - V. I. Lenin's struggle for the leadership of the working class and the idea of the dictatorship of the proletariat on the eve of the First Russian Revolution of 1905-1907. p. 3.
Vakhonin, S. F. - Transition from the policy of neutralizing the middle class peasants to a solid unity with them as one of the most important conditions of the victory over Kolchak. p. 35.
Pereverzeva, M. P. - Lenin's plan of cooperative agriculture and the struggle of the Communist Party for the rapid development of agriculture. p. 49.
Lebedev, M. A. - Economic problems of the over-all mechanization of stockbreeding. p. 77.
Insarisev, A. G. - M. I. Kalinin, an outstanding member of the Communist Party and Soviet Government. p. 109.
Gol'din, S. L. - Materials on Orekhovo-Zuevo in M. Gorkii's novel "The Artamonovs' business." p. 127.

PETROZAVODSK. UNIVERSITET. Uchenye zapiski [UNIVERSITY. Studies]. Vol 7, no. 1, 1959. Istoricheskie i filologicheskie nauki, 1957 [Historical and Philological Sciences for 1957].

Table of contents translated:

Balagurov, IA. A. - Stratification of registered peasants in the Olonets Government during the first half of the 19th century. p. 3.
Nefedova, G. A. - Brief description of the agriculture and stratification in the Karelian rural community during the second half of the 19th century. p. 24.
Starostina, T. V. - Struggle of Karelian peasants against feudal oppression in the 1670's. p. 41.
Cherevan', A. S. - Evolution of land tenure of crown peasants in the Ural Mountain region and in the European part of Northern Russia during the second half of the 18th and the first third of the 19th century. p. 65.
Ivanova, R. I. - Discernment between psychology in general and social psychology. p. 101.
Vitukhnovskii, A. L. - From the history of Anglo-Russian relations in the Middle East during the initial period of the Anglo-Boer War. p. 116.
Morozov, V. M. - "Finskii vestnik," an ideological companion of "Sovremennik" in the campaign for the "natural school"; the first half of 1847. p. 131.
Epshtein, E. M. - Activities of V. V. Krestinin in studying Northern Russia. p. 152.
Maliavkina, N. A. - V. Kataev's tale "Lone white sail." p. 167.
Lupanova, I. P. - Folk-tale sources of A. S. Pushkin's poem "Ruslan and Liudmila." p. 194.
Krivonkina, M. IA. - Synonyms in the tale "Mother" by A. M. Gor'kii. p. 209.
Pustynnikova, M. A. - Periodic sentences in the epic "Dead souls" by N. V. Gogol'. p. 225.
Dolia, T. G. - Some characteristics of government with and without prepositions in the dialects of Znanezhskiy District in the Karelian A. S. S. R. p. 247.
Zlobina, V. E. - Words expressing condition in modern Finnish. p. 261.
Mullonen, M. I. - Impersonal sentences in modern Finnish. p. 271.
Sukhanova, V. S. - Semantics of possessive suffixes in the Finno-Baltic and Permian languages; suffixes of the first person singular. p. 285.
Filippov, R. V. - Dissatisfaction of the serf peasants in the Olonets Government in response to the Reform of 1861. p. 293.
Filippov, R. V. - Formation of industrial migration in the Olonets Government during the second half of the 19th century. p. 299.
Reznikov, L. IA. - From the political lyrics of Eduard Bagritskii; forgotten verse of the 1920's. p. 303.

SARANSK. MORDOVSKII GOSUDARSTVENNYI UNIVERSITET. Uchenye zapiski [MORDVINIAN STATE UNIVERSITY. Studies]. No. 19, 1962.
Contents Rzhavitin, V. N. [Heredity in plants] Nasledstvennost' rastenii. 157 p.

SOVETSKAIA ANTARKTICHESKAIA EKSPEDITSIIA, 1955-1958. Informatsionnyi biulleten' [SOVIET ANTARCTIC EXPEDITION, 1955-1958. Information Bulletin] Leningrad, no 42, 1963

Table of contents translated:

Voronov, P. S., Karasik, A. M. - Brief geological and geophysical characterization of the Gleerson Oasis on the Budd Coast of eastern Antarctica. p. 5
Volkov, P. D. - Practice in the determination of shelf ice movement in the Lazarev Station region based on astronomical observations. p. 13.
Dubrovin, L. I. - Dynamics of the Lazarev Shelf Ice. p. 17
Shamont'ev, V. A. - Local movements and breaking *shore ice in Alasheyev Bight*. p. 23.
Driatskii, V. M. - Absorption of radio waves in the polar cap based on observations made at the Mirnyy Observatory in 1961. p. 27
Sytinskii, A. D. - Supposed seismicity of the earth and the zone south of 40° S in the period of the International Year of Quiet Sun. p. 33
Korotkevich, E. S. - Distribution of Emperor penguins. p. 37.
Tikhomirov, I. I. - Characteristics of breathing in persons spending the winter at the Vostok Station. p. 45.
Konovalov, G. V. - Possible route to the inland Antarctic ice plateau from the Novolazarev Station. p. 49.
Barkov, N. I. - "Cyclone," device for measuring drifting snow and work with it at the Mirnyy Observatory. p. 51.
Shneer, V. S. - Experience in operating the proton magnetometer at Mirnyy. p. 57.
By radio from Antarctica. p. 59.
Soliantk, G. A. - Interesting ichthyological find. p. 62.
Andrianashev, A. P. - Big fishes in the Antarctics. p. 62
Barkov, N. I. - Sun as a sculptor. p. 63
Bibliography. p. 65

TARTU. ULIKOOL. Toimetised. Uchenye zapiski Tartuskogo gosudarstvennogo universiteta [UNIVERSITY. *Studies*]. *No. 136, 1963.*

b POPULAR MAGAZINES

AMERIKA, illiustrirovannyi zhurnal [AMERICA ILLUSTRATED]. Published by the United States Information Agency. Washington, D. C., nos. 88-89, 1964.

AZIIA I AFRIKA SEGODNIA [ASIA AND AFRICA TODAY]. Issued by Institut narodov Azii and Institut Afriki Akademii nauk SSSR [Institute of the Peoples of Asia and the Institute of Africa of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 12, Dec. 1963.

Table of contents translated:

Alekseev, E. - The national liberation movement is an integral part of the world revolutionary process. p. 2.
Potemkin, IU. - The new horizons of Algeria. p. 5.
Kudriavtsev, V. - Constitutional contrivances of the colonizers. p. 8.
Latyshev, I. - Victory of the progressive forces. p. 12.
Sidenko, V. - The "cold war" corps. p. 13.
Katin, V. - A senator draws conclusions. pp. 16, 23.
Igonev, O. - The people will win! pp. 18, 29.
Bol'shakov, V. - Blows to colonialism. p. 21.
Malakhovskii, K. - A "reservation" of colonialism in Oceanica. p. 24.
A new atomic mushroom? p. 26.
Bashkirov, A. - Aiding or plundering Iran? p. 27.
Makrushin, A. - "Dingaan's Day." p. 30.
Potskhveriia, B. - Mustafa Kamal Ataturk. pp. 32, 48.
Tsabi, Mokhale. - Verwoerd will not succeed in strangling the trade unions. p. 34.
Malov, IU. - Plans for tomorrow and security today. p. 35.
Verbitskii, S. - In a Japanese city. p. 38.
Bachir Hadji Ali. - National culture and the revolution. p. 41.
Mun So Nei. - Sanyal's truthful brush. p. 44.
Bu Nam. - First love; a story. p. 46.
Laptukhin, V. - The fight against ignorance. p. 49.
Zenovich, M. - The colonizers' plots against Kenya. p. 50.
Orlov, A. - What the session of the Philippine Parliament demonstrated. p. 52.
Kadmin, V. - The Zimbabve country, not Southern Rhodesia. p. 53.
Il'in, M. - An interview within the walls of a monastery p. 54
Chastoykh, V. - Like a chameleon. p. 55
Lutchenko, V. - Who gives assistance to Salazar? p. 56.
Ivanov, L. - "Lotus leaves" p. 57.
Gerasimov, O. - History of a colonial robbery. p. 58.
Table of contents for 1963 p. 59

BARVINOK [PERIWINKLE] Issued by TSentral'nyi komitet Leninskogo Kommunisticheskogo soiuzu molodi *Ukrainy and Respublikans'ka rada Vsesoiuznoi* pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the Ukrainian Communist Youth of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, no. 11, Nov 1963

BELARUS' [WHITE RUSSIA]. Minsk, vol 20, no 9(217), Sep. 1963

Table of contents translated:

This year's grain. p. 1.
Lukashenka, V. - A plant of nitrogen fertilizers today. p. 2.
Alekslaevich, I. - Two worlds and two ideologies p. 4.
Makouski, IA. - Ivenets is growing young again. p. 5.
Shavel', K. - Life of a farm maid, verse. p. 5.
Savelichau, A. - Allaksandr Hromau, a construction worker. p. 6.
Uladzimirava, A. - A day in the life of Liuba Lukhtsikava. p. 8.
Korban, Ul. - Trakhim's decision, a story. p. 10.
Matevushau, V. - If I die, When I cart a rick of hay; verse. p. 10.
IArotski, B. - The gorge of blackberries, verse. p. 10.
Dosin, M. - Bountiful September. p. 12.
Isachanka, I. - Unexpected results, a play. p. 15.
Hrakhouski, S. - A trip, Motortrucks, A discovery, Iyn'-Koien'; verse. p. 16.
Hrytsan, M. - Winged ships. p. 19.
Máté, György. - Hungarian humorous stories [translated from the Hungarian]. p. 20.
Sankevich, K., Zaleski, M. - Unforgettable heroism. p. 22.
Halauko, S. - The stages of Italy and France. p. 23.
Zhylhotski, M. - Superb simplicity. p. 25.
Advice on family affairs and in home economics. p. 27.
Aleksandrovich, S. - Stimulating words. p. 28.
Bur'ian, B. - Handfuls of golden grain. p. 28.
Navumenka, I. - A monograph on A. I. Kuprin. p. 28.
Kudrautsau, I. - Young people are marching forward. p. 29.
Shulovich, I. - Kanstantsin Haikouski, a White Russian composer. p. 29.
Liaudanski, Ul. - A "shark." p. 30.
Fishermen's calendar. p. 30.
Written words cannot be eradicated, epigrams. p. 31.
Checkers. p. 32.

Vol. 20, no. 10(218), Oct. 1963.

Table of contents translated:

Precelebration presents. p. 1.
Ustsinau, B. - The lights of Leninist ideas. p. 2.
Auramchyk, M. - The tree of friendship, to the periodical "Polymia"; verse. p. 2.
Pozniak, A. - In search of dreams. p. 4.
Savich, M. - The work of volunteers. p. 5.
Rybak, A. - Sviatlana; a story. p. 6.
Melezh, I. - I don't care! Excerpt from a new novel. p. 8.
Viktarau, V. - A city on the Dnieper. p. 14.
Vlarba, Vera. - Fairy tales, Twenty years; My friend, verse. p. 15.
Matskevich, A. - After their separation, a play in three acts. p. 16.
Dosin, M. - High yields of our fish ponds. p. 20.
Mikhinau, N. - Marvelous automatic plant. p. 22.
Barsuk, R. - Pennant over a forest. p. 23.
Milova, E. - An ordinary evening. p. 24.
Charniauski, I. - Friendship which warms our hearts. p. 25.
Mal'dzis, A. - Revolutionary, scholar, and poet. p. 25.
Shleh, Al. - A night of struggle. p. 26.
Advice on family affairs and in home economics. p. 27.
Sikraba, R. - A book of restless verse. p. 28.
Dziubaila, P. - Bountiful talent. p. 28.
Zarytski, A. - Good beginning. p. 28.
Piarkouski, B. - "Let us tell you about our country's nature." p. 29.
Mikhailau, M. - Giuseppe Verdi. p. 29.
Allaksandrau, A. - Denis Diderot. p. 29.
Palunichau, M. - We see a letter carrier with her mailbag. p. 29.
Uladzimirau, L. - On the first-formed ice. p. 30.
Bublikau, A. - The ball comes to the player. p. 30.
New scientific discoveries and technological innovations. p. 31.
Written words cannot be deleted; epigrams and friendly caricatures. p. 31.

Vol. 20, no. 11(220), Nov. 1963.
Table of contents translated

Makal', P. - The round table, verse p. 1.
The large-scale chemical industry of White Russia. p. 2.
Sadkuzhyn, R. - Moscow today. p. 5
Viatiuhin, A. - Examination in history, excerpt from a poem. p. 6.
Hilevich, N - Currency operators, verse p. 6
Sellvanau, P. - Adam Slavinskii. p. 7.
Bialevich, A., Danilevich, V. - Such is the soil of this place. p. 8.
Kavaliou, A - Autumn thoughts. p. 9
Rakitny, M. - It happened in the spring, a story. p. 10.
Staliarou, M. - They serve our people with enthusiasm. p. 14.
Khomchanka, V - Her husband's friend, a story. p. 16.
Navitskaia, N. - A man and his orchard p 18.
Nastsenka, Z. - White Russian melodies. p. 19.
Keizarau, A - The voice of her heart. p. 20.
Vasil'eu, M. - Savages of the 20th century. p 21.
Babans'kyi, P. - "Justice" of a landowner, a story. p. 22
Los', E - Faith. Renegades. Is poetry a well? Catkins. Street, verse. p. 23.
Sidarenka, A. - Brave warrior of the Russian land. p. 24.
Kharkou, N. - Memorial street. p. 24.
Bul'ian, B. - The gleam of lightning. p. 25.
Smolkin, M. - A letter of IAkub Kolas. p. 25.
Huseva, Z. - Rust eats iron. Your color is black; fairy tales. p. 26.
Advice in family affairs and on homeeconomics. p. 27.
Kislik, N. - Maksim Tank's lyric poems. p. 28.
TSarankou, L. - Our people's views on religion and morality. p 28.
Klyshko, An. - First flowers of poetry. p. 28.
Lis, A. - Story of a revolutionary song. p. 29.
Bas, I. - Who wrote these poems? p. 29.
Pal'cheuski, A. - Within an inch of death. p. 30.
Imatsenka, R. - On the threshold of winter. p. 30.
New scientific discoveries and technological innovations. p. 31.

BIAROZKA [THE LITTLE BIRCH]. Issued by TSentral'ny kamitet Leninskaha komunistychnaha saiuza moladzi Belarusi and Respublikanski Savet pilanerskai arganizatsyi imia V. I. Lenina [Central Committee of the White Russian Communist Youth League of Lenin and the Republic Council of Lenin Pioneers]. Minsk, vol. 39, no. 11, Nov. 1963.

DADZIS [THISTLE]. Riga, nos. 1(169)-2(170), 1964. [In Latvian]

DRUZHNO VPERED [FORWARD TOGETHER] Issued by Kul'turna spilka ukrains'kykh trudiashchykh Chekhoslovachchyny [Cultural Association of the Ukrainian Workers of Czechoslovakia]. Presov, vol. 13, no. 12(185), Dec. 1963. [In Ukrainian]

FENIKS [PHOENIX]. Issued by Tovarystvo Ukrains'koi studiiuluchoi molodi im. M. Mikhnovs'koho [M. Mychnovskyj's Ukrainian Students Association]. Philadelphia, vol. 9, no. 11, 1962.

JAUNIMO GRETOS [THE RANKS OF YOUTH]. Issued by Lietuvos Lenino komjaunimo sajungos Centro komitetas [Central Committee of the Lenin Communist Youth League of Lithuania]. Vilnius, no. 12(229), Dec. 1963. [In Lithuanian]

KHORPUSHTAK [HEDGEHOG]. Dushanbe, no. 11(126), Nov. 1963. [In Tajik]

KIRPI [HEDGEHOG]. Baku, nos. 21(273)-22(274), Nov. 1963. [In Azerbaijani]

KOREIA [KOREA]. Pyongyang, nos. 11(88)-12(89), 1963.

KROKODIL [CROCODILE]. Issued by gazeta [Newspaper] "Pravda." Moscow, vol. 42, nos. 34(1720)-36(1722), Dec. 1963.

KUL'TURA I ZHIZH' [CULTURE AND LIFE]. Issued by Soiuz sovetskikh obshchestv druzhby i kul'turnoi sviazi s zarubezhnymi stranami [Union of Soviet Societies for Friendship and Cultural Relations with Foreign Countries]. Moscow, vol. 7, no. 11, 1963.
Table of contents translated:

Zarodov, Konstantin. - Accelerator of public progress. p. 2.
Dralkin, A. - In the ice fields of the sixth continent. p. 6.
Momdzhian, Kh. - Diderot, our contemporary. pp. 10, 35.
Useful exchange of experience. p. 11.
Iosifov, K. - Romantic of the search. p. 12.
Kornnov, IUrii. - Association of equals. p. 16.
Pavlishchev, S. - Enthusiastic support. p. 20.
Obraztsov, Sergei. - To those whom I don't know yet. p. 21.
Visits, meetings and discussions. p 23.
Davidsen, Trugve. - Path of friendship. p. 24.
They are strong both mentally and physically. p. 24.
John Ogdon. p. 25.
Jean Casalbout visits us. p. 26.
Where the Golodnaya Steppe was. p. 27.
IUtkevich, Sergei. - Sensitive artist and a true innovator. p. 31.
Nagel, Otto. - Her life was a flight into a storm! p. 36.
Lawson, Joan. - Revelation of the dance. p. 38.
Sloan, Pat. - Russian language in England. p. 40.
Firsov, V. - Seventeen cosmic dawns. p. 42.
Dneprov, Anatolii. - Science and the riddles of the world. p. 43.
Tantakovskii, M. - Is it simple to jump? p. 44.
Liublinskii, V. - Chess. p. 47.
Minaev, E. - Artist and poet. p. 48.

KYIV [KIEV] Published by Bohdan Romanenchuk. Philadelphia, vol. 14, no. 1/2(76-77), Jan.-Apr. 1963.

MY I SVIT. WE AND THE WORLD Toronto, vol 14, no. 103, June 1963.

NARODNAIA RUMYNIIA [PEOPLE'S RUMANIA] Bucharest, nos. 10-11, Oct.-Nov. 1963

NOORUS [YOUTH]. Issued by Eestimaa Leniniiku Kommunistiiku Noorsoouhingu Keskkomitee [Central Committee of the Lenin Communist Youth League of Estonia]. Tallinn, vol 18, no. 12(206), Dec. 1963 [In Estonian]

NOVAIA KOREIA [NEW KOREA]. Published by Izdatel'stvo literatury na inostrannykh iazykakh [Foreign-Language Publishing House]. Pyongyang, no. 11(188), 1963.

OGONEK [THE LITTLE LIGHT]. Moscow, vol. 11, no. 42(1895), Oct. 1963.
Table of contents translated

Workshops of fertility. p. 2.
Sukhomlinskii, V. - Good heart. p. 4.
Dvoinis, Zakhar - Living history. p. 5.
Ukhtomskii, D. - Season of the Theater of Juvenile Creativity. p. 6.
Grigor'ev, A. - Here they mine platinum. p. 9.
Passion of an explorer. p. 10.
Shmelev, Oleg - Do you know Psel River? p. 16.
Tochenova, N. - Chapek characters on the stage. p. 19.
Datner, Simon - Hangman No. 12. p. 20.
Khrabrova, Nina - They don't want it any other way.... p. 22.
Simonov, Evgenii - Year of large-scale tourism. p. 24.
Beletskaia, Vanda - "Giant explosion of the center of a galaxy." p. 26.
Vladimirov, V. - Inspired Zygmunt. p. 29.
Romashov, A. - Repentance. p. 30.

Vol. 41, no. 43(1896), Oct. 1963.
Table of contents translated:

Kunakova, T. - Twenty-six paths into the future. p 2 of cover.
Ponomarev, V. - Collective farm envoys on the lands of White Russia and Bulgaria. p. 2.
Zlatogorov, Mikhail - On the same day, at the same time.... p. 8.
Shchelokov, M. - Something and somehow.... p. 12.
Smirol', Leonid - Here it is, cybernetics. p. 14.
Gorshkov, V., Karpushchenko, V. - Grandfather of the first astronaut. p. 16.
Altunin, P. - It does happen.... p. 17.
Voronov, V. - Right groove. p. 25.
Genina, N. - "Appasionata." p. 26.
Merzhanov, Martyn - Visiting with Argentine painters. p. 27.
Beskov, K. I. - Ahead of them lies Rome! p. 28.
Krasikov, Anatolii - What caused the disaster of Longarone. p. 30.
Pavlov, Vladimir - We saw them in our gun sight.... p. 30.
Baltaeva, T., Minina, L. - Where "Flora" passed. p. 31.

Vol. 41, no. 44(1897), Oct. 1963.
Table of contents translated:

Smirnov, K. - Friends. p. 3.
Shumilov, M. S., Shtyrliaev, V. I. - Military steps of a marshal. p. 4.
Borzunov, Semen - That night.... p. 6.
Lerov, L. - ... Where they fought side by side. p. 6.
Gnezdilova, Irina - Giul'chekhra. p. 15.
Dolmatovskii, Evgenii - High voltage current. p. 17.
Gurkov, Genrikh - Hundred and twenty kilometers with Hanselka and Zikmund. p. 22.
Semelev, N. - Ornament of sun rays. p. 24.
Vladimirov, V. - Russian passenger of an American mail coach. p. 25.
Makarenko, IAkov - Find in the Pijarska Street. p. 26.
Firsov, Z. - Youth at the starting point. p. 28.
Zhuravlev, Vasilii - Lair of an underground millionaire. p. 30.

Vol. 41, no. 45(1898), Nov. 1963.
Table of contents translated:

Semenov, IU. - Grandchildren of a worker. p. 2.
Golikov, A. - Post No. 1. p. 6.
V. Timofeev. - Leader of an attack flight group. p. 6.
Bykov, Nikolai. - Chulym River, our new address. p. 8.
Sarikov, S. A. - Geography of the brain. p. 11.
Burdianskii, S. - Living features of Il'ich. p. 15.
Deineka, A. - My various contemporaries. p. 17.
Strel'nikov, Boris. - The man who wanted to blow up New York. p. 18.
Aldridge, James. - The revolution does not age. p. 21.
Vershinina, I. - Meeting with a song. p. 25.
Kassil', Lev. - A little African girl lives with us. p. 26.

Vol. 41, no. 46(1899), Nov. 1963.
Table of contents translated:

Cherevkov, K. - Flame of the "Marsovo Pole." p. 1.
Golikov, A. - Best of luck to you! p. 6.
Starkov, A. - Man for the others. p. 8.
Zamanskii, P., Valuev, IU. - Dauntless, 1963... p. 10.
Pavlov, V. - People hold the front line. p. 10.
Domogatskikh, M. - Kenya yesterday and tomorrow. p. 18.
Barykin, K. - Reporting from the "bread mountain." p. 22.
Tokarev, S. - Dynamite in the Ilac. p. 25.
Gurnov, B. - Geared for the future. p. 28.
Trubnikova, Alla. - Suitcase with a double bottom. p. 30.

Vol. 41, no. 50(1903), Dec. 1963.
Table of contents translated:

Golikov, A., Kas'ian, I. - There are giant spaces on the screen. p. 2.
Valentinov, K. - On the eve. p. 3.
Mashin, N., and others. - Chemistry plus... p. 4
Pavlov, V. - Representatives of plastics. p. 6
Krupin, V. - Box with a ribbon. p. 6.
How will "UNT-35 live?" p. 6.
Rostov, M. - Hundredth anniversary of "Brain reflexes." p. 8.
Andreichenko, Inna. - Stands of the Kiev museums p. 8.
Zaseda, Igor'. - Safe from the monitor "Udarnyi" p. 9.
Polynin, V. - Toys but not for play. p. 10.
Stepanov, L. - Paris and "Parisian blemaide." p. 12
Kuchkina, O. - Just three girls. p. 22.
Nikolaeva, T. - Children from the Tatevo village p. 24.
Pats, Riho. - You are invited to a music lesson. p. 26.
Aleksandrov, M. - Tenfold winners. p 28
Cherevkov, K. - Glowing stars for newborn infants p. 30.

Vol. 41, no. 52(1905), Dec. 1963.
Table of contents translated:

Khrabrova, N. - Soils in test tubes. p. 1.
Hardy, Frank. - Tomorrow begins here. p. 6.
Lerov, L. - Roman and Rustavi. p. 8.
Krivonosov, IU. - Crater of a steppe volcano. p. 10.
Milotskii, IA. - Grow up to be big boys and girls. p. 12.
Grigor'ev, A. - Light of the peace atom. p. 16.
Hemingway, Ernest. - Christmas present [continued] p. 20.
New Year's Eve poster. p. 26.
Mon'shikov, V. - Innsbruck is right here. p. 28.
Kiknadze, A. - Tokyo is on the horizon. p. 29.

OTVETY NA VOPROSY TRUDIASHCHIKHSIA [REPLIES TO WORKERS' QUESTIONS]. Moscow, no. 8(153), Aug. 1963.
Table of contents translated:

Zaitsev, A. - Correlation between economics and politics. p. 2.
Borisov, E., Tolpygo, M. - The communist labor movement in research institutes. p. 13.
Production training and labor discipline in the rural schools of Moscow Province. Interview with N. P. Borodavko, First Deputy Chief of the Province Department of Rural Education and G. A. Platonova, School Secretary of the Communist Youth League Rural Province Committee. p. 21.

Kireev, B. - New stage in developing the world socialist system of interstate specialization and cooperation in machinery manufacturing p. 30.
Chumichenko, V. - Every American pays dues to monopolies. p. 38.
Sekul'-Mulikov, I - What goes on in Central Africa? p. 45
Trotskii, F - The Philippine Republic. p. 54.
IUrbovskii, IU. - Length of service necessary for awarding pensions. p. 61.

PERETS' [PEPPER] Issued by Vydavnytstvo [Publishing House] "Radians'ka Ukraina." Kiev, vol 23, nos 21(512)-22(513), Nov. 1963.

PILT JA SONA [PICTURE AND WORD] Tallinn, vol. 18, no. 12(210), Dec 1963. [In Estonian]

PIONEER [PIONEER] Issued by ELKNU Keskkomitee and Eesti NSV Pioneerorganisatsiooni Noukogu [Central Committee of the Lenin Communist Youth League of Estonia and the Council of the Pioneers of the Estonian S. S. R.] Tallinn, vol 21, no. 12(254), *Dec 1963, vol 22, no. 1(255), Jan. 1964.* [In Estonian]

PIONER [PIONEER] Erivan, no. 11, Nov. 1963. [In Armenian]

PIONER [PIONEER]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi and TSentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers] Moscow, vol. 40, no 12, Dec 1963.

ROVESNIK [CONTEMPORARY]. Issued by TsK VLKSM and Komitet molodezhnykh organizatsii SSSR [Central Committee of the All-Union Communist Youth League of Lenin and the Committee of Youth Organizations of the U. S. S. R.] Moscow, no. 10, Oct. 1963.

RUSSKOE SLOVO V KANADE [THE RUSSIAN WORD IN CANADA]. Issued by Russkoe kul'turno-prosvetitel'noe obshchestvo v g. Toronto [Russian Culture Club in Toronto]. Toronto, vol. 12, no. 111, Dec. 1963.

SAMOSTIINA UKRAINA. INDEPENDENT UKRAINE Published by TSentral'na uprava Organizatsii derzhavnoho vidrodzhennia Ukrainy [Central Administration of the Organization for the Rebirth of Ukraine] Chicago, vol. 17, no. 1(179), Jan. 1964.

SHMEL' [BUMBLEBEE] Alma-Ata, vol 8, no. 11(94), Nov. 1963.

SLUOTA [THE BROOM]. Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, nos 23(222)-24(223), Dec. 1963. [In Lithuanian]

SOTSIALISTYCHNA KUL'TURA [SOCIALIST CULTURE] Organ of Ministerstvo kul'tury URSR [Ministry of Culture of the Ukrainian S. S. R.]. Kiev, no. 11, Nov. 1963.

SOVETSKII SOIUZ [SOVIET UNION]. Moscow, no. 11(165), 1963

Table of contents translated:

Notes of an observer. p. 1.
Politics, events, and contacts. p. 2
They come for experience to the U. S. S. R. p. 4.
Sergeev, IU. - Calculation, energy, and interest. p. 5.
Apenchenko, IU. - Lena River, the blue road. p. 8.
For tomorrow's speeds. p. 11.
Leshchinskii, M. - Story of a snapshot. p. 12.
Plus water. p. 13.
Prokof'ev, Mikhail. - Higher schools and present-day society. p. 16.
Japan; a million handshakes. p. 16.
About everything. p. 20.
Aleksandrov, V. - Eleventh "A" went to the steppes. p. 22.
For the philatelists. p. 26.
Atom on a conveyor. p. 27.
Tumarkina, Elena. - Baltic countries laugh. p. 30.
Klitorov, V. - I want to be a driver. p. 33.
We were in the U. S. S. R p. 34.
Simakov, V. - Black and white. p. 38.
Aristov, Aleksandr. - "Orbit" and satellites. p. 43.
Khaitpa, IA., Osipov, S. - Saturday night in the village of Borisovo. p 46.
Experiment on fire. p. 50.
Inventions, discoveries, and hypotheses. p. 52
The Soviet Union and Africa. p 53.
Our visitors. p 54.

SOVREMENNAIA MONGOLIIA [CONTEMPORARY MONGOLIA] Ulan Bator, ol 4, no 10(23), Oct 1959

Table of contents translated

Answers of IU. TSedenbal, Chairman of the Council of Ministers of the Mongolian People's Republic, to the questions of P. N. Sharm, correspondent of an Indian newspaper. p. 1.
TSedenbal, IU. - Good-will visit p. 4
Batzhinniam, D. - Role of Mongolian trade unions in the development of socialism p. 10.
Balzhinniam, B. - Transition to a settled way of life p. 14.
TSegmid, Sh. - Cultural drive and the tasks of our scholars. p. 24
Let's lead a resolute campaign against the manifestation of nationalistic views p. 26
Choizhilyn, Ch. - First International Congress of Mongolian Philologists in Ulan Bator. p. 29
Otuun, E. - Mongolian song plays. p. 33.
Friendly visit of Chinese parliament members to our country. p. 38
Luvsan, S. - Economic and cultural cooperation between the Mongolian and Chinese peoples. p. 40.
Batsukh, D. - At the new worsted factory. p. 44
Dontor, B. - Woodworking combine starts work. p. 46.

SVYTURYS [THE LIGHTHOUSE] Vilnius, vol. 15, nos. 21(357)-24(360), Nov.-Dec 1963, vol. 16, no. 1(361), Jan. 1964. [In Lithuanian]

UKRAINA [THE UKRAINE] Published by Vydavnytstvo "Radians'ka Ukraina" [Publishing House "Soviet Ukraine"], Kiev, no. 9(312), May 1962.

Table of contents translated:

Matiiko, Oleksandr. - A village by the sea. p. 2
New scientific discoveries and technological innovations. p. 4.
Glimpse at the world. p. 7.
Rodichev, Mykola - A present from Frau Zwinger, a story. p. 9.
Poznlak, P. - The voice of our friend. p. 9.
Kocherhina, Nina. - Colonel Tkachuk's new duties. p. 11.
Holovchenko, Ivan, Musiienko, Oleksa. - Kiev nights, excerpt from a novel. p. 12.
Peoples of the world are with you, dear Cuba! p. 16.
Shukukhl, Amindzhon. - In our wonderful time. p. 18.
Shchepetil'nikova, V. - A painter's "reminiscences." p. 20.
Sylin, Borys. - Inviting lights of a "palace." p. 21.
Shovkoplias, H. - First student of the history of Kiev. p. 23.
Potupeiko, M. - Renewal of a valuable publication. p. 24.
V. K. - An unfinished opera. p. 24.
Morhaienko, Petro. - On the move. p. 25.
Kutsenko, IAkiv. - Enjoyment for everybody. p. 26.
Lapyts'kyi, O. - Striped "travelers." p. 26.
Semenov, I. - Marvelous light. p. 28.
Voitans'kyi, H. - A telephone call. p. 29.

No. 11(314), June 1962.

Table of contents translated:

Anatol'eva, T. - Violets, the flowers of friendship. p. 1.
Peoples of the world demand to preserve peace and prevent the new war. p. 2.
Be prepared! p. 4.
Voropai, Anatolii - Come to see us in the city of Romny! p. 5.
New scientific discoveries and technological innovations. p. 6.
Shumylo, Andrii - We should learn to compute. p. 7.
Novyts'kyi, Oleksa. - "I praise those who create the new life." p. 9.
Pokhodzilo, Petro. - We are close to the solution of this mystery. p. 10.
Makarenko, Mykola - Wind of the revolution and the wind of freedom. p. 12.
Bychko, Valentyn. - Our bright world, verse. p. 14.
Symonovych, Mykola - Divers take part in building operations. p. 15.
Kondrats'kyi, A. - In the Altai. p. 17.
Rud', Mykola - A leader won't stop, a story. p. 19.
Zlenko, Hryhorii. - The sparks of wisdom. p. 22.
Voitans'kyi, H. - Gay street lights in the evening. p. 24.
Kotobkova, E. - For your apartment. p. 26.
Sashko, L. - A circus from Bucharest. p. 27.
Kravchenko, IEvhen. - a "brother in Christ", a humorous story. p. 28.
Lazarenko, Mykhailo. - Anton and Parania Khnykavkas' complaint to higher officials, a humorous story. p. 30.

No. 12(315), June 1962.

Table of contents translated:

A monument to a poet and citizen. p. 2.
From the Pamirs to the Carpathians. p 3
Hordii, O. - For a rich harvest p 4
Chernenka, M - Use outer space for peaceful purposes p. 5.
Oleksandr Rommiuk is confident. p. 6.
Hurets, Oleksa. - Pigeons' feathers, a story. p. 7
Poznlak, P. - Mineralovka mineral waters. p. 9.
Borzenko, Serhii. - Islands on the other side of the equator. p. 10.
Halushko, M. - Microscope shows us the secrets of life. p 12.
Mazurenko, O - Laboratories of our scientists. p. 13.
Sylin, Borys. - Rainbows over mountain valleys p. 15.
Sukhan, IUrii. - The rays of science shed the light upon the mountains. p. 17.
Kochevs'kyi, Viktor - Poems about Armenia. p. 18
Uhlitev, Serhii - Operation "Siegfried." p. 19.
Okhrimenko, P. - Poetry of the fraternal people p. 22
Volynets', Borys. - "A traveling inspector." p. 22.
IUshchenko, Oleksa. - In the steppe of Kirovograd Province, verse. p 23
Sosnovs'kyi, B. - Attention! This is Lugansk. p. 24.
Nosenko, Oleksa. - Notorious revanche plotter. p 26
Bezorud'ko, Viktor. - My own flesh and blood, a humorous story p. 27.
Vovk, Hnat. - Educational reading. p. 29.
Our guests. p. 29
Strokov, L. - Everything was made without outside help. p. 30.
Korenchuk, M - Spaniel on a hook. p. 31.
Danylov, O. - Ice from outer space. p. 32.

No 16(319), Aug 1962

Table of contents translated

Immortal heroism of the builders of communism and a new triumph of Soviet science p. 2.
Bright lights of Kremenchug p. 4.
Bozbici, K. - They will go far [translated from the Rumanian]. p 6.
For peace and friendship. p 7
Chornobryvets', Stepan. - Arm of a giant p. 8.
Stor, Mykola. - A restored panorama p 10.
Verbyts'kyi, A. - Napoleon's letter, a story. p 11.
Martych, IUkhym. - Master of an honorose. p 13
Babych, Lyna. - To study the methods of work p 15.
Volynets', B. - From sea to sea. p 16.
Latyshev, Mykhailo. - Plants are growing faster p. 17.
Ionov, Oleksii. - Bronze medal, a story. p. 19.
Dikhne, S - Son of "Pasionaria." p 21
Bobyshov, M. - In the "Penates" of I. E. Repin. p. 22.
Back to classrooms and books p 25.
Semenov, H. - "The root of the matter." p 26.
Honcharenko, Viktor. - The wings of a glider. p. 27
Luk'ianenko, O. - Leon, the brute, a satirical sketch. p. 29
Volbyk, A. - A state inspector p. 30.
Kolesnychenko, IU - Kings tried to suppress soccer. p. 32.

No. 17(320), Sep 1962

Table of contents translated.

Kyians'kyi, D - Shorsheli, the crib of a cosmonaut. p 3.
Horditenko, Oleksandr. - Fourth cosmonaut p 4.
Koshovyi, Fedir. - Well done, Ukrainain dancers! p 6
Padalka, Ivan. - Treasures of an ancient valley p 9.
Sandalov, I. O - Ukrainian automobiles p 9.
V'iunyk, Andrii. - For our booklovers. p. 12.
Mushkctyk, IUrii - Lida, a story. p. 13
Kolin'ko, Volodymyr. - The sky-blue Talysh Mountains. p 14.
IUshchenko, Oleksa. - Good luck, dear brother p 17.
Hordii, O. - Fishing season p. 18.
Hlukhovs'kyi, V. D - Made of earth. p. 20.
Puchkov, Serhii. - In that smithery. p 21
Matsapura, M - A portrait's "travels" p. 22
Boludila, A. - Irène Joliot-Curie. p. 23.
Pushkar'ov, Kim - His second son. p. 24
M. N. - Sketches of present-day Italy. p 25.
New glory of the Balkans p. 26
"Flowers" of Hanoi p. 26
Hranin, D. - A city on the Harz. p. 27.
Prylypko, Tymofii. - Your own "Matsesta" p. 29.
Hvozdets'kyi, P. - Hello, new man. p. 30.
Hrynenko, Halyna. - Pteryk and the lion, a story. p. 31.

VESELKA. THE RAINBOW Published by Ukrainian National Association Jersey City, vol. 11, no. 2(114), Feb. 1963.

V'ETNAM [VIETNAM] Hanoi, Vietnam, no. 10(73), 1963.

VOZHYK [HEDGEHOG]. Minsk, vol. 23, nos. 20(570)-22(572), Oct.-Nov. 1963.

VYZVOL'NYI SHLIAKH [LIBERATION PATH]. London, vol. 10(16), no. 9/115(169), Sep 1963

ZVAIGZNE [THE STAR], Riga, vol 14, nos 1(323)-2(324), Jan 1964 [In Latvian]

2. BIBLIOGRAPHY

a BIBLIOGRAPHY

AKADEMIIA NAUK SSSR. Bibliioteka. Novye inostrannye knigi, katalog novykh postuplenii ... [ACADEMY OF SCIENCES OF THE U S S R Library New Foreign Books, Catalog of New Accessions]. Leningrad, no 9(136), 1963

INFORMATSIONNYI UKAZATEL' BIBLIOGRAFICHESKIKH SPISKOV I KARTOTEK, SOSTAVLENNYKH BIBLIOTEKAMI SOVETSKOGO SOIUZA [INFORMATION INDEX OF BIBLIOGRAPHICAL LISTS AND CARD FILES, COMPILED BY THE LIBRARIES OF THE SOVIET UNION] Issued by Gosudarstvennaia bibliioteka SSSR [State Library of the U S S R.] Moscow, vol. 7, nos 14-17, July-Sep 1963.

KNIZHNAIA LETOPIS' [BOOK CHRONICLE]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber] Moscow, nos 48-49, 1963 Vspomogatel'nye ukazateli k nos. 27-39 za 1963 god [Indexes to nos 27-39 for 1963]

——— Dopolnitel'nyi vypusk [Supplementary Issue]. Vspomogatel'nye ukazateli k nos. 7-9 za 1963 god [Indexes to nos. 7-9 for 1963]

LATVIJAS PSR PRESES HRONIKA. LETOPIS' PECHATI LATVIISKOI SSR [CHRONICLE OF PUBLICATIONS OF THE LATVIAN S S R.]. Issued by Latvijas PSR gramatu palata [Book Chamber of the Latvian S. S. R] Riga, no. 10, Oct. 1963.

LETOPIS' GAZETNYKH STATEI [CHRONICLE OF NEWSPAPER ARTICLES]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no 11, 1963. Vspomogatel'nye ukazateli k nos. 7-9 za 1963 god [Indexes to nos. 7-9 for 1963]

LETOPIS' PERIODICHESKIKH IZDANII SSSR [CHRONICLE OF PERIODICAL PUBLICATIONS OF THE U S. S. R]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, Jan 1961-Apr. 1963.

LETOPIS' ZHURNAL'NYKH STATEI [CHRONICLE OF PERIODICAL ARTICLES] Published by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos. 44-49, 1963. Vspomogatel'nye ukazateli k nos. 27-39 za 1963 g. [Indexes to nos. 27-39 for 1963]

NOVAIA LITERATURA PO RUMYNII [NEW LITERATURE ON RUMANIA]. Issued by Fundamental'naia bibliioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U S. S R.]. Moscow, nos. 8-9, 1963.

NOVYE KNIGI; bibliograficheskii ezhenedel'nik [NEW BOOKS; Bibliographical Weekly]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, vol. 8, nos. 49-50, Dec. 1963, vol. 9, nos. 1-2, Jan. 1964.

NOVYE KNIGI SSSR [NEW BOOKS OF THE U. S S. R.]. Issued by Vsesoiuznoe ob"edinenie "Mezhdunarodnaia kniga" [All-Union Association "International Book"]. Moscow, nos 49-51, [illegible], Agriculture]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 7, no. 11, Nov. 1963

NOVYE KNIGI ZA RUBEZHOM PO OBSHCHESTVENNYM NAUKAM, ekonomika, filosofiia, istoriia, mezhdunarodnye otnosheniia [NEW FOREIGN BOOKS ON THE SOCIAL SCIENCES, Economics, Philosophy, History, International Relations]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 6, no. 12, Dec. 1963.

V MIRE KNIG [IN THE WORLD OF BOOKS]. Organ of Ministerstva kul'tury SSSR i RSFSR [Ministries of Culture of the U. S. S. R. and the R. S. F. S. R.]. Moscow, vol. 3, no. 7, July 1963.

Table of contents translated:

A great life. p.1.
Lenin, the party, and Leninists. p. 2.
Konstantinov, M. - New meeting with Lenin p 4
Kudrevatykh, L. - Letters from prison. p. 5
Rozen, B. - The atom serves the world p. 7.
Beil'kin, IU. - From wire to light ray. p 8.
Kozyrev, I., Prokopenko, V. - Having removed the dust of centuries p. 10.
Stories about nature. p. 12.
Ieshin, B. - Knowledge, culture, and labor. p. 15
For those entering the family of workers p. 16.
Tikhonova, I. - To the workers in the fields of Uzbekistan p 20
Vasil'ev, I. - The beauty of the spiritual world. p. 21
Asanov, N. - The fate of the family is the fate of the generation. p. 22.
Makarov, A. - Little bell of the flock on the steppes p 24.
Aleksandrova, Z. - Songs of our land. p. 24.
Sen'kov, I. - Singer of Siberia. p. 26.
Sugonial, V. - The novel "Andrei Berezin." p. 27
Somov, G. - One who collects...a fee, a feuilleton. p. 29
Kassil', L. - Bright and joyful world p. 30.
Savel'ev, S. - Song - lightning p. 33.
Gavrutto, P. - Cloud over the city. p. 34.
Gessen, A. - Everything excited the gentle mind... p. 36
Davydova, A. - Tradition of realism p. 39.
Polikanov, A. - Powerful weapon of ideas and images. p 41
Bochkareva, M. - Chekhov, the reader. p 42.
Osipov, M. - Fine outline of a biography. p. 43.
Isbakh, A. - Junior. p 46.

Vol. 3, no. 9, Sep. 1963.

Table of contents translated:

Kamshalov, A. - Wings of youth. p. 1.
Khamkin, I. - How Lenin would have rejoiced. p. 3.
Mogilev, A. - Thoughts on man. p. 4.
Zav'ialov, B. - Impassioned word. p. 6.
Sominskii, M. - Great reformer of the natural sciences. p. 9.
Dneprov, A. - Science on the march. p. 10.
Inozemtsev, I. - Journey into the past and future. p. 12.
Obruchev, V. - Thoughts on the fantastic. p. 14.
Bitunov, V., Eliseev, M. - Automation is a road to communism. p. 17.
Vladimirov, S. - Ten steps of progress. p. 19.
Filatov, N. - Will there be any benefit from such a collection? p. 20.
Shatan, P. - Corn grower's reference work. p. 21.
Tumanovskii, R. - Firstling of agricultural literature. p. 22.
Mil'kov, Vl. - From quiet waters to deep stream! p. 23.
Markov, A. - My century is my pride. p. 26.
Zhegalov, N. - Along a thorny path. p. 29.
Nikolaev, P. - Triumph of a genre. p. 34.
Gatenian, A. - Pages of the past. p. 35.
Vendichanskii, S. - Good luck, young friends! p. 37.
Tomashevskii, N. - José Martí. p. 38.
Petrov, F. - Science of life and labor. p. 39.
Osipov, M. - Birth of fine traditions. p. 41.
Zolotushkin, A. - The "father of the musketeers" in Russia. p. 44.
Konichev, K. - Pronya, the book hawker. p. 46.

Vol. 3, no. 11, Nov. 1963.

Table of contents translated:

Siberia and its future. p. 1.
Kulikov, V. - Lenin and Siberia. p. 2.
Pervakov, I. - Discovery of Siberia. p. 4.
Pospelov, G. - Territory of fantastic riches. p. 7.
Zav'ialov, B. - Continuation of a great work. p. 10.
Razgon, L. - Siberian center of science. p. 12.
Khokhlov, V. - New stories of the Siberian land. p. 14.
Pustovalov, L. V. - Reporting from the 21st century. p. 18.
Monchenko, IU. - Nansen beyond the Urals. p. 20.
Mariagin, G. - Literary Siberia. p. 21.
Evgrafov, K. - Vsevolod Ivanov. p. 25.
Books about the people of Siberia. p. 30.
Lavrinovich, I. - The steamer sails on the Yenisey. p. 32.
Gessen, A. - In the depth of Siberian mines.... p. 32.
Glukhov, A., Entin, B. - From Khakass steppes to Norilsk. p. 36.
Ronin, L. - Happiness serves the people. p. 44.
Rapoport, V. - Travels of the book "Lives of the Fathers of Pechersky Monastery." p. 45.
TSipel'zon, Em. - "Siberian bibliography." p. 46.
Katsprzhak, E. - First printer in Tobolsk. p. 47.

b. LIBRARIES & LIBRARY SCIENCE

BIBLIOTEKAR' [THE LIBRARIAN]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R. S. F. S. R.]. Moscow, no. 11, Nov. 1963.

Table of contents translated:

Educate in the heroic spirit of the revolution and labor. p. 1.
TSuprgradskii, I. - For high ideological content p 5
District executive committee and libraries. p. 10
Aleshin, V. - Woman of a Cossack village. p. 12.
Korotkova, D. - In search of ways to the heart of youth. p. 13.
Maliugin, V. - The young reader and his service II p. 16.
Levshina, O. - Chemistry for agriculture. p. 19.
Tukhvatullina, M. - Our working day. p. 22.
Kasimov, V. - At the center of industrial life. p 25.
Bubnov, S. - Combining work with the individual and with the masses. p. 27.
Get'man, N. - Useful seminar. p. 29.
Pukhova, E. - Opening the doors of the university. p. 31.
Zuritskaia, V. - Mother's word p. 32.
Khekherina, K. - Interest in art is growing. p. 33.
Bazilevskaia, N. - They became atheists. p 34
Akimova, V. - Life demands this. p. 38.
Bokhanevich, E., Grigor'eva, I. - How we increase our collections. p. 41.
Khazanova, A. - Centralize the acquisition of literature in foreign languages. p. 44.
Kitkovich, E. - Unique books are available to readers p. 45.
Puzyrevskii, M. - Both content and form. p. 46.
IAkovlev, IU. - Knights of the book. p. 48.
Vaneev, A. - Describing the advanced practices of libraries. p. 49.
Tereshin, V. - Through the eyes of a worker p 52
Mokhov, I. - More about "work with readers." p. 57
Kolomiets, V. - A greater future for inter-library loans. p. 59.
Letters to the editor. p. 62.
Brief news. p. 64.

c. PRINTING & THE BOOK TRADE

POLIGRAFICHESKOE PROIZVODSTVO [PRINTING INDUSTRY]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U. S S. R.]. Moscow, no. 10, Oct. 1963.

Table of contents translated:

Use all the forces of the scientific and technological community to carry out the decisions of the party. p. 1.
IUsupov, IU. - Closer to the needs of industry. p 3.
Serebriani, IA. M. - Improving the role of the engineer in industry. p. 4.
Ignatovich, V. M. - Improve the financial work of enterprises. p. 6.
Gordinskii, B. IU. - Manufacturing synthetic rollers p. 7.
Riss, O. V. - Strive for high quality in typesetting and proofreading. p. 8.
Mazur, P. - For communist labor. p. 9.
Zaitsev, A. G. - Be concerned about the increase in labor productivity. p. 10.
Selivanova, G., Aleksandrova, Z. - Public design offices. p. 11.
Khomanets, N. F. - When will we be rid of the defects in the "POL-1" offset machine? p. 12.
Rybinsk machinery manufacturers, and printers need high-grade machinery. p. 13.
Ukrainskii, IA. O. - For the mechanization of complicated kinds of composition matrices are required. p 14
Letters to the editor. p. 15.
Shaposhnikov, G. L. - Printing at the Exhibition of Achievements of the National Economy of the U. S. S. R. p. 17.
Bereziuk, IU. N., Lavinskii, V. S., Get'man, I. F. Forms for printing newspapers by the offset method. p. 18.
Shelukhina, S. A., Savosina, M. N. - Determining moisture in small quantities of inks. p. 19.
Tatiev, D. P., Umanskii, S. D. - Chromatic properties of ceramic colors. p. 21.
Karpenko, R. S., Nikitenko, G. G. - Equipment for developing photographic layers. p. 22.
IAnson, K. R. - Stabilizing the developed image on films. p. 23.
Vaintraub, I. IU. - Prospects for developing stitching and bookbinding machines. p. 24.
Levin, G. M., Pozdniakova, N. M. - Hard sulphite glue. p. 26.
Storozhenko, V. V., Grilikhes, Kh. A. - Low-molecular polyacrylamide glue. p. 27.
Kraitserova, A. M. - Glue with a latex base. p. 27.
Kanlukova, N. V. - Manufacturing latex glue. p 27.

No. 11, Nov. 1963.

Table of contents translated:

Industry needs practical help. p. 1.
For remarkable work. p. 4.
Korol', N. - Let us carry out the decisions of the June Plenum of the Central Committee of the CPSU. p. 5.
Savinova, L. - Use equipment efficiently. p. 5.
Care of equipment is a matter of great importance to the government. p. 6.
Il'in, B. M. - Technical editing is not a work of secondary importance. p. 7.

Gr[illegible]ma, A. D. - In the printing plant named for the first Russian printer. p. 6.
Ermilkov, V. F. - Type economy. p. 10.
Letters to the editor. p. 11.
Urmanskii, S. D., Tatiev, D. P. - Effect of the diffusion of light at the sublayer on the color characteristics of a screen image. p. 13.
Petrov, L. N. - Degree of dispersion of an emulsion of etching solution. p. 14.
Fel'dman, L. V. - Causes of failure of ink registration in roller presses. p. 15.
Shikhov, V. N. - Induction neutralizers of static electricity. p. 18.
[Arma, B. Z. - Electrolyte for thinning of galvanic deposition. p. 19.
Popov, G. A. - This bushing is more convenient. p. 20.
Shalov, V. P. - Composing in foreign languages on a linotype with a Russian keyboard. p. 20.
Struevich, V. A. - In a shop doing intaglio printing. p. 21.
Ivanov, S. S. - Hot stamping with foil. p. 21.
Moumets, IU. - This saves the matrix. p. 22.
Vetoshkin, V. D. - Device for verifying the format. p. 22.
Pis, G. IA. - It is possible to abandon binder twine. p. 22.
Lilian, E. E., Tiunikov, D. A. - Interaction of *paint and* ink in the printing process. p. 22.
Shakhel'dian, B. N., Demidov, V. V., Gudkova, T. I. - Structural and mechanical properties of mixed pigment suspensions. p. 24.
Kogan, V. A., Krikk, V. A., Stol'tser, IU. M. - New material for manufacturing binder's stamps. p. 25.
Kalinin, E. IA., Eidlin, A. M., Meletʹev, V. S. - Printer's foil. p. 26.
Nemirovskii, E. L. - Printing technology in Russia during the 17th century. p. 27.
Plotkin, M. M. - Trends in the development of stitching and bookbinding equipment. p. 30.
Derafeev, V. F. - Equipment for making plastic stereotypes. p. 32.
News of the printing industry abroad. p. 34.
Korotkov, V. - For the introduction of the International Unitary System in the U. S. S. R. p. 38.
Lev [Akovlevich Shekhtmeister]. p. 40.

3. PHILOSOPHY & RELIGION

a. PHILOSOPHY

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut psikhologii. Eksperimentalʹnye issledovaniia po psikhologii ustanovki [ACADEMY OF SCIENCES OF THE GEORGIAN S. S. R. Institute of Psychology. Experimental Studies in the Psychology of Attitude]. Tiflis, vol. 2, 1963.

Table of contents translated:

Uznadze, D. N. - Forms of human behavior. p. 7.
Uznadze, D. N. - Contribution to the theory of post-hypnotic suggestion. p. 37.
Asatiashvili, A. M. - Illusional action of set fixated for magnitude equalization. p. 45.
Baindurashvili, A. G. - Nature of the Charpentier illusion. p. 57.
Dzhalava, I. T. - Afterimage (trace) and fixated set. p. 63.
Dzhalava, I. T. - Stereoimage. p. 69.
Grigolava, V. V. - Some prerequisites of fixating a set for quantitative relationship. p. 77.
Kintsurashvili, A. T. - Phase changes in a fixated set. p. 85.
Natadze, R. G. - Constancy of perception and fixated set. p. 99.
Norakidze, V. G. - Temperament and afterimages. 119.
Khodzhava, Z. I. - Action of reciprocally counter-directed sets. p. 135.
Khodzhava, Z. I. - Set in habit interference. p. 181.
Chkhartishvili, Sh. N. - Critical situation and set. p. 195.
Chkhartishvili, Sh. N., Tabidze, O. I. - Integrated nature of set. p. 215.
Adamashvili, N. G. - Fixated set in lower primates. p. 231.
Charelashvili, N. V. - Experimental study of fixated set in animals. p. 267.
Abramishvili, T. G. - Psychopathology of progressive *paralysis.* p. 287.
Dzhalava, I. Sh. - Psychology of involutional *melancholia.* p. 315.
Vachnadze, E. A. - Peculiarities of sets fixated in verbal situations in schizophrenia. p. 351.
Norakidze, V. G. - Premorbid personality and mental disorders. p. 357.
Sakvarelidze, M. A. - Peculiarities of the generalization of fixated set in a state of delirium. p. 381.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut filosofii i prava. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S. S. R. Institute of Philosophy and Law. Transactions]. Alma-Ata, vol. 8, 1963. Voprosy istoricheskogo materializma i razvitiia filosofskoi mysli v Kazakhstane [Problems of historical materialism and the development of philosophical theories in Kazakhstan].

Table of contents translated

Rakhmetov, K. - Characteristics of the transition from socialism to communism. p. 3
Akmambetov, G. - Brigades of communist labor are the most important part of moral education. p. 25
Karmyshev, G. P. - Development of the general laws governing the distribution of collective and state farm property. p. 39
Aimbetov, A. - Basic trends in the development of Soviet democracy during the large-scale building of communism. p. 62.
Kozhamuratov, B. K. - Some problems concerning the disintegration of large families among the nations which bypassed the capitalist stage of historical development, based on the materials of Central Asia and Kazakhstan. p. 82
Dzhumagazin, T. D., Karmyshev, G. P. - Post-Revolutionary development of Marxist-Leninist theory *in Kazakhstan. p. 108.*
Tokmaganetov, E. - Struggle against the ideology of bourgeois nationalism in the Kazakh literature of the 1920's. *p.* 130.
Burabaev, M. S. - The newspaper "Ural" as the champion of Marxist-Leninist ideas in Kazakhstan. p. 146

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsialʹnogo obrazovaniia. Nauchnye doklady vysshei shkoly, filosofskie nauki [Ministry of Higher and Secondary Specialized Education. Research of Higher Schools, Philosophical Sciences]. Moscow, vol. 6, no. 4, 1963.

Table of contents translated:

Intensification of the ideological work of the Communist Party and some problems concerning the development of philosophical studies in the institutions *of higher education.* p. 3.
Petrosian, M. I. - Marxist interpretation of the nature of man. p. 19.
Kogan, L. I. - Scientific and technological development of the U. S. S. R. and the all-round development of workers. p. 28.
Iovchuk, M. T. - Raised cultural level of Soviet workers and the elimination of differences between manual and intellectual work as a factor of social progress. p. 37.
Kharchev, A. G. - Some results of a study of reasons for marriage in the U. S. S. R. p. 47.
Tugarinov, V. P. - Beauty as a value. *p.* 59.
Kopnin, P. V. - Materialistic dialectic is the logical path of development of present-day science. p. 66.
Melukhin, S. T. - Problems of the physics of microcosm in the light of dialectical materialism. p. 74.
Platonov, G. V. - Determinism and indeterminism in the theory of the variability of organisms. p. 87.
Narskii, I. S. - Historical development of the philosophical concept of "alienation." p. 97.
Brutian, G. A. - Philosophical aspects of the theory of linguistic relativity. p. 107.
Karpov, IU. D. - Some ideological sources of the early philosophy of Gandhi. p. 116.
IAroshevskii, M. G. - Brain and psychical functions. p. 123.
Turovskii, M. B. - A remarkable study on the origin of human society. p. 127.
Rogachev, P. M., Sverdlin, M. A. - Amalgamation of nations is the most important feature of national relations in the U. S. S. R. p. 131.

Vol. 6, no. 5, 1963.

Table of contents translated:

Krasin, IU. A. - Marxist-Leninist dialectics and the problems of peaceful coexistence. p. 3.
Zotov, V. D. - Some forms of the ideology of neo-colonialism. p. 13.
Rutkevich, M. N. - Elimination of class distinctions and the place of the intelligentsia in the social structure of Soviet society. p. 22.
Melokhova, A. K. - Sociological study of the aesthetic views and tastes of industrial workers in the Ural Mountain region. p. 33.
Ugrinovich, D. M. - Interpretation of the social roots of religion. p. 36.
Pimenova, T. M. - Gnosiological roots of abstractionism. p. 45.
Georgiev, F. I. - Principle of reflection and the theory of reflexes. p. 52.
Grianov, D. S. - Gnosiological nature of abstract objects in mathematics. p. 56.
Asmus, V. F. - Dialectic of freedom and necessity in the philosophy of Fichte. p. 67.
Pozner, A. R. - Niels Bohr's atomic model and its theoretical significance. p. 75.

Liubutin, K. N. - Anthropological principle in the German idealistic philosophy of the 19th and 20th century. p. 81.
Avtandilian, A. N. - Philosophical and ethical problems in the literary heritage of Gazaros Agaian. p. 91.
Gorlinskii, V. A. - Characteristics of the unity of opposites. p. 96.
Aseev, IU. A. - Some aspects of present-day idealism and the methodological problems of its critical evaluation. p. 107.
Prezent, I. I. - The nature of life as related to its origin. p. 116.
Nesterov, V. G. - A book on the categories of ethics. p. 124.
Il'in, V. V., Karmin, A. S. - Philosophical interpretation of an important problem of physics. p. 127.
Grekov, L. I. - One more distortion of the ideological sources of dialectical materialism. p. 133.

VOPROSY ESTETIKI [PROBLEMS OF AESTHETICS]. Issued by Institut istorii iskusstv Akademii nauk SSSR [Institute of the History of Art of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 5, 1962. Vidy iskusstva i sovremennostʹ [Forms of art and our times].

Table of contents translated:

Dmitrieva, N. - Common and monumental forms of art in contemporary fine arts. p. 5.
Maletin, V. - Limits of painting and graphic arts. p. 26.
Borisovskii, G. - Standards and perfection. p. 43.
Kozlov, L. - The word in contemporary Soviet films. p. 61.
Vartanov, A. - Language of motion pictures and the movie-goer. p. 86.
Ryzhkin, I. - Contemporary music and the humanistic *ideal.* p. 121.
Mann, IU. - Remarks on the grotesque. p. 139.
Bakhareva, S. - Artistic imagination. p. 174.

b. RELIGION

HOLOS SPASYTELIA. REDEEMER'S VOICE. Issued by Oltsi Redemptorysty [Redemptorist Fathers]. Yonkton, Canada, vol 36, no. 2, Feb. 1963. [In *Ukrainian*]

VOIOVNYCHYI ATEIST [MILITANT ATHEIST]. Issued by Tovarystvo dlia poshyrennia politychnykh i naukovykh znanʹ Ukrainsʹkoi RSR [Society for Dissemination of Political and Scientific Knowledge of the Ukrainian S. S. R.]. Kiev, vol. 4, no. 12(39), Dec. 1963.

WESTERN EUROPE (Exarchate). Vestnik Russkogo zapadno-evropeiskogo patriarshego ekzarkhata [Messenger of the Russian West European Patriarchal Exarchate]. Paris, no. 44, Oct.-Dec. 1963.

4. HISTORY

a. GENERAL

AKADEMIIA NAUK TADZHIKSKOI SSR, Dushanbe. Institut istorii. Trudy [ACADEMY OF SCIENCES OF THE TAJIK S. S. R. Institute of History. Transactions]. Dushanbe, vol. 30, 1963.

Contents: Iskandarov, B. I. [Eastern Bukhara and the Pamirs in the second half of the 19th century] Vostochnaia Bukhara i Pamir vo vtoroi polovine XIX v. Pt. 2. 360 p.

AKADEMIIA NAUK TURKMENSKOI SSR, Ashkhabad. Institut istorii, arkheologii i etnografii. Trudy [ACADEMY OF SCIENCES OF THE TURKMEN S. S. R. Institute of History, Archaeology, and Ethnology. Transactions]. Ashkhabad, vol. 7, 1963.

Table of contents translated:

Editorial, p. 5.
Vinnikov, IA. R. - Ethnic map of the Turkmen S. S. R. p. 6.
Vasilʹeva, G. P. - From the history of the Turkmen population in the western districts of Tashauz Province. p. 10.
Orazov, A. - Settlements and dwellings of the Turkmen in the Balkhan Range region from the end of the 19th to the early 20th century. p. 36.
Niiazklychev, K. - Stockbreeding and agriculture in southwestern Turkmenistan from the end of the 19th to the early 20th century. p. 50.
Ataev, K. - Some data on the ethnology of the Shikh Turkmen. p. 71.
Morozova, A. S. - Turkmen headdress; collection of the State Ethnological Museum of the Peoples of the U. S. S. R. p. 81.

Demidov, S. - Remnants of religious beliefs connected with the water element and fishing among Turkmen, p. 119.
Basilov, V.N. - Remnants of totemism among the Turkmen, p. 135.
Dzhikiev, A. - Marriage rites among Salor Turkmen from the end of the 19th to the early 20th century, p. 151.
Annakliychev, Sh. - Funeral rites of the Turkmen in Chelekan, p. 165.
Eremeev, D. - Ethnography of the Turkmen in Asia Minor, p. 172.
Dzhikiev, A. - Materials on the ethnography of the Turkmen on the Mangyshlak Peninsula, p. 192.

INSTITUT ZUR ERFORSCHUNG DER UdSSR. Materialy i soobshcheniia Issledovatel'skogo otdela [INSTITUTE FOR THE STUDY OF THE U.S.S.R. Materials and Reports of the Research Department] Munich, no 49/50(177-178), Sep-Oct 1963.

Table of contents translated

Fedenko, P.V. - Zigzags of de-Stalinization, p. 1.
Galai, N.IA. - Changes in the high command of the Soviet Armed Forces, p. 16.
Davletshin, T.M. - The property rights of Soviet citizens, p. 24.
Kabysh, S.S. - Private sector of Soviet farming, p. 42.
Voronitsyn, S.S. - Social consequences of automation in the U.S.S.R, p. 55.
Vredenskii, G.A. - Soviet scientists at the Sixth International Petroleum Congress, p. 67.
Teodorovich, N.A. - The most important events in the life of churches and religious groups in the U.S.S.R, p. 73.
Miromenko, IU.P. - Chronicle of recent events in the U.S.S.R, p. 81.

ISTORICHESKII ARKHIV [HISTORICAL ARCHIVES] Issued by Institut istorii Akademii nauk SSSR [Institute of History of the Academy of Sciences of the U.S.S.R.] Moscow, vol. 8, no. 3, May-June 1962.

Table of contents translated:

Belonosov, I.I., Logvinova, M.I., Samsonov, A.M. - The 20th anniversary of the Battle on the Volga, decisions of the Committee for the Defense of Stalingrad, October 1941-July 1942. p. 3
Barinov, N.P., Gerasimov, B.P. - F. Nansen's relief work for famine-stricken Russia, 1921-1922 p. 57
Blinov, A.M., Solov'ev, I.N., Chernik, IA.E. - M.V. Frunze and the organization of the Naval Flotilla of the Turkestan Front p. 70
Anisimova, P.I., Arapov, S.IA. - History of the establishment of the Mordvinian A.S.S.R. p. 90
Subbotin, D.T., Tulaikova, K.P. - Academician N.M. Tulaikov's autobiography and his paper delivered at a conference p. 100
Bolkhovitinov, N.N. - Position of the Russian Government in the early stage of the Latin American Wars of Independence. p. 120
Itenberg, B.S. - Four documents expounding the program of the "Narodnaia volia" Group p. 132
Winter, E. - Two letters of Johann Taube p. 140
Maksakova, V.L. - Actors' brigades in the front regions p. 156.
Filippov, B.M. - The First Brigade of Moscow Actors and its work in the front regions p. 157
Geiman, V.G. - Some interesting legal documents of the 17th century p. 185.
Pleshcheeva, A.N. - Celebration of the anniversary of V.I. Lenin's death in western White Russia p. 193
Shapranova, A.IA. - Documentary materials of the Archives of the Irkutsk Province Committee of the CPSU p. 195
Dmitriev, L.G. - Indian contacts with Central Asia in the second half of the 19th century p. 198
Levina, S.A., and others - A review of new books. p. 201
Krivoshein, L.N. - The Regional Conference of Transcaucasian Archivists p. 205.
Khoroshaia, S.I. - Some data on the biography of V.K. Tanev, a Bulgarian revolutionary and Communist, 1897-1941. p. 207.
Sazonov, G.A. - Restoration of the house of the Ul'ianov family in Simbirsk p. 209.
Mal'tseva, A.E. - From the history of the local party press. p. 212
Liashchenko, K.G. - From the history of the "Trial of the 193 Populists," 1877-1878 p. 214.
Orlov, V.P. - Some information on the biography of B.A. Markovich. p. 216.
Spiridonov, F.P. - Two letters of M.I. Kutuzov. p. 217.
Perper, M.I. - Pages from the field diary of the Decembrist I.D. Iakushkin, 1812. p. 218
Buganov, V.I. - A message of Ivan the Terrible, 1573. p. 221.
Zharkov, I.A. - History of Moscow fires in 1547 p. 223.

ISTORIIA SSSR [HISTORY OF THE U.S.S.R.] Issued by Institut istorii Akademii nauk SSSR [Institute of History of the Academy of Sciences of the U.S.S.R.] Moscow, vol 7, no 6, Nov-Dec 1963.

Table of contents translated

Naidenov, M.E. - V.I. Lenin's views on the successive periods of the Great October Socialist Revolution. p. 3
Khlusov, M.I. - Some features of the postwar development of Soviet industrial enterprises p. 19
Rudnitskaia, I.L. - N.P. Ogarev, a theoretician of and fighter for the peasant revolution, on the 150th anniversary of his birth p. 33
Kanaev, G.N. - New data on the place of the battle on the ice of Lake Peipus, results of the multipurpose expedition of the Institute of Archaeology of the Academy of Sciences of the U.S.S.R. p. 57
Trachenko, P.S. - Some controversial problems in the history of Russian populism p. 76
Klibanov, A.I. - Characteristics of new trends in the Russian social thought of the second half of the 17th and the early 18th century p. 85
Kolmitchenko, I.I. - Organization of combine manufacturing plants in the U.S.S.R p. 104
Krutalevich, V.A. - Organization and work of the Commissariat of the White Russian Nation, 1918-1919. p. 115
Shchepetov, K.N. - Runaway serfs of Prince A.M. Cherkasskii in the first half of the 18th century p. 127
Barenbaum, I.E. - N.A. Serno-Solov'evich's unknown work p. 138
Bondarenko, I.N. - Letter to my reviewer p. 143
Derenkovskii, G.M. - My answer to I.N. Bondarenko. p. 148.
Popov, V.I. - "Foreign policy of the U.S.S.R., 1924-1929" by S.IU. Vygodskii p. 161
Khmelevskii, K.A. - A scholar who has lost touch with life p. 161
Makarenko, A.A. - "With a banner of peace through the flame of war, diplomatic activities of the Ukrainian S.S.R., 1917-1920" by I.S. Khmel' p. 166
Gogolev, Z.V. - "Studies on the history of Soviet Khakassia, 1917-1961." p. 168
Ivashkin, S.S., Sagaliev, M.S. - A valuable historical study on the Sovietization of Kazakh auls p. 170
Ustiugov, N.V. - "The Don Valley in the 18th century by A.P. Pronshtein p. 174
Doroshenko, V.V. - "Cadasters of the Lithuanian landed estates of the 17th century." p. 176
Ulashchik, N.N. - "Descriptive catalog of the cadasters of feudal landed estates in Lithuania." p. 182.
Rosenfeld, G. - First five-year plan of the U.S.S.R. and the foreign policy of German imperialism [translated from the German] p. 183.
Vyltsan, M.A., Mokin, S.V. - What did and what didn't a French scholar see in Soviet rural areas p. 199.
Obushenkova, L.A., Fal'kovich, S.M. - New steps in studying the revolutionary situation of the 1860's in Russia and the kingdom of Poland p. 203
Vodarskii, IA.E. - Some remarks on a Turkish historian's study of the campaign of 1711 in the Prut Valley p. 207
Polesova, L.I. - Scholarly research in the field of local history in the city of Kalinin p. 213
Kozlov, P.I. - Scholarly research in the field of local history in the city of Yaroslavl p. 215.
Chermenskii, P.N. - We should write the history of Soviet rural areas p. 216.
Bulygin, I.A. - Public-spirited scholar and teacher; in memory of Nikolai Vladimirovich Ustiugov. p. 217
List of N.V. Ustiugov's scholarly works p. 219.

KALENDAR' ZNAMENATEL'NYKH I PAMIATNYKH DAT [CALENDAR OF SIGNIFICANT AND MEMORABLE DATES]. Issued by Izdatel'stvo "Sovetskaia Rossiia" and Gosudarstvennaia publichnaia istoricheskaia biblioteka RSFSR ["Soviet Russia" Publishing House and the State Public Historical Library of the R.S.F.S.R.]. Moscow, vol 8, no. 12, Dec, 1963.

Table of contents translated:

Years of great accomplishments. p. 6.
Africa Day. p. 15.
Soviet Constitution Day. p. 21.
G.I. Nevel'skoi. p. 27.
N.P. Ogarev. p. 30.
The law to strengthen the bond between school and life and to develop further the system of public education. p. 34.
William Makepeace Thackeray. p. 41.
The 21st Congress of the Communist Party of the Soviet Union. p. 44.
Republic of Cuba. p. 48.
V.A. Steklov. p. 53.
The Saltykov-Shchedrin Library. p. 56.
A.P. Gaidar. p. 59.

LIETUVOS [illegible] AUKSTUJU MOKYKLU MOKSLO DARBAI: ISTORIJA. Nauchnye trudy vysshikh uchebnykh zavedenii Litovskoi SSR. Istoriia [STUDIES BY THE INSTITUTIONS OF HIGHER LEARNING OF THE LITHUANIAN S.S.R.: HISTORY]. Vilnius, vol. 4, 1963.

MOSCOW UNIVERSITET. Vestnik. Seriia 9. Istoriia [UNIVERSITY Review. Series 9: History] Vol. 18, no 5, Sep-Oct. 1963.

Table of contents translated

Kurbanov, S.Sh. - Efforts of the party organization of Uzbekistan to irrigate and reclaim the Golodnaia Steppe, 1956-1961. p. 3
Shulus, I.I. - Efforts of the party organizations of Siberia and the Ural Mountain region to consolidate and politically educate agricultural workers in 1928 and 1929 p. 20
Mochul'skii, N.F. - English labor movement and introduction of the National Service, January 1917 p. 38
Loone, L.N. - Emergence of left-wing socialist organizations within the English Labor Party in the early phase of the general crisis of capitalism p. 61.

Vol 18, no. 6, Nov-Dec 1963

Table of contents translated

More attention to the practical problems of the building of communism. p. 3.
Alekseev, G.M. - Efforts of party organizations to develop the mass movement of inventors and efficiency engineers in Soviet industry, 1959-1961. p. 6
Kurlat, F.L. - Some problems concerning the history of the October Revolution in Moscow. p. 31
Bellavskii, M.T. - The problem of serfdom and the situation of peasants according to the "Instructions" of Catherine II p. 44
Sopko, T.M. - Hungarian laws of the 16th century concerning the enslavement of peasants. p. 61.

PREPODAVANIE ISTORII V SHKOLE [TEACHING HISTORY IN SCHOOLS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 18, no. 6, Nov.-Dec. 1963.

Table of contents translated

Ukhovskaia, P.L. - Results of the first year of teaching social sciences in the schools of the Ukrainian S.S.R. p. 3.
Palterovich, I.L. - Scientific and atheistic training in social science classes. p. 13.
Tenenbaum, M.I. - Notebooks for independent work on ancient and medieval history p. 26
Orlov, V.A. - Studying culture in a tenth-grade modern history course p. 36.
Dobrynina, Z.I. - Knowledge level of seventh-grade students p. 44.
Pchel'nikov, T.S. - Material on local history in studying the history of the U.S.S.R. in the eighth grade p. 50
Goder, G.I. - Homemade appliques in ancient history classes p. 62
Panasiuk, B.S. - Schools of progressive experience p. 69
Anashkin, I.D., Rubin, I.A. - Archive treasures as a school aid p. 74
Poltorak, D.I. - Television in the teaching of history p. 78.
Muzaev, I.N. - On the occasion of the 60th anniversary of the Second Congress of the Russian Social Democratic Party. p. 83
Reznik, A.B. - Student conferences on theory. p. 84
Sviridov, M.A. - Let's strengthen the connection between the social sciences and rural life p. 85
Stasiuk, A.S. - Glorious past of our home town p. 86.
Lial'kina, L.S. - "It turns nevertheless." p. 87
Sokolov, V.A. - Two-hundredth session of a club p. 87.
Birkovskii, V.G. - Birth of the Soviet city p. 88
Khalkhian, A.IA. - Work of a student lecture group p. 88.
Baktrov, L.A. - How I use periodicals in eighth-grade history lessons p. 89.
Laperdin, S.K. - Our historical and geographical museum in school. p. 90
Kulikov, A.V. - Living history p. 91
Periodical "Politicheskoe samoobrazovanie" is an aid to social science teachers. p. 92.
Contribution of "Voprosy filosofii" to the "Social science" course p. 94
For social science teachers. p. 95.
Gus'kov, V.P. - "Connection between teaching history in evening (staggered) schools and life." p. 96
Vialikov, V.I. - First booklets of the "Outstanding diplomats" series. p. 98.
Maizel', L.G., and others. - "Studying the topic 'Foreign countries in 1924-1939' in the modern history course" by I.P. Rakhmanova, L.A. Izrailevich, N.V. Popov. p. 102.
Al'kaeva, L. - Publication of the children's encyclopedia is completed p. 104.
Annotations. p. 106.
Bookshelf. p. 100.
From the pages of historical periodicals p. 113.
Brief news. p. 120
Historical news p. 122.
Index of articles published in the periodical "Prepodavanie istorii v shkole" in 1963. p. 125

SKANDINAVSKII SBORNIK [SCANDINAVIAN PAPERS]. Issued by Tartuskii gosudarstvennyi universitet [Tartu State University] Tallinn, vol. 7, 1963.

VOENNO-ISTORICHESKII ZHURNAL [MILITARY HISTORY JOURNAL] Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U S S R.]. Moscow, vol. 5, no 10, Oct. 1963.

Table of contents translated:

Shirmanskii, A. - Choice of direction of the main attack, p. 3.
Bordziłowski, Je. - Participation of the First Polish Army in the Berlin operation. p. 15.
Egorov, A.I. - Tactics and operational skill of the Workers' and Peasants' Red Army at a new stage, p. 30.
Perezhogin, V. - They come first into Kiev. p. 40.
Petrov, G., Nekhonov, G. - Seventeen heroes of one regiment. p. 43.
Blazhel, A. - Mute witnesses of military valor. p. 49.
Dagramian, I. - Heroic defense of the capital of the Soviet Ukraine. p. 53.
Kriukhkov, K. - Liberation of Kiev. p. 67.
Keries, I. - Communist Youth League in battles for the fatherland. p. 80.
Istomin, V. - Engineer troops in the battle for the Caucasus. p. 86.
Alekseev, V. - From the history of Poland during the period of the Second World War. p. 90.
Eremeev, L. - Destroyers of the U.S.A. in the Second World War. p. 95.
Korzhenevskaia, T. - Army komsomols in the Great Patriotic War. p. 101.
Straube, F. - Role of the Russian Army in the War of Liberation of the German nation in the first half of 1813. p. 108.
Dukhanov, P. - Participation of the corps of General D.S. Dokhturov in the foreign campaigns. p. 114.
Murat, Ibragimbeili Khadzhi. - Military cooperation of Russian and Azerbaijani soldiers in the Russo-Turkish War of 1828-1829. p. 116.
Belousov, L. - Conference on Soviet military doctrine. p. 121.
Kochetkov, A. - Battle of Leipzig in 1813. p. 127.

Vol. 5, no. 11, Nov. 1963.

Table of contents translated

Grechko, A. - In the battles for the capital of the Ukraine. p. 3.
Erykalov, E. - Activities of the Military Organization of the Central Committee of the Russian Social-Democratic Workers' Party (Bolshevik) on the eve of the armed October revolt. p. 18.
Krasnov, I. - Offensive of armored troops in the mountains. p. 32
Kvitinskii, A. - Formation and development of the atomic submarine fleet of the U.S.A. p. 44.
Kozlov, L. - Resourcefulness and decisiveness in battle. p. 58.
Shilin, A. - Artillerymen at the bridgehead. p. 61.
Anokhin, I. - Battle for the bridgehead at the village of Glushets. p. 63.
Kronik, A. - In the battles for Velikiye Luki. p. 65.
Zavalishin, N. - Meetings with Marshal A.I. Egorov. p. 72.
Kolchigin, B. - From the history of the Soviet Lithuanian Regiment. p. 76.
IAkhontskii, I. - Underground work of a seaman in 1903 and 1904. p. 80.
Strategic plans of the German command for 1942. p. 84.
Gol'man, L. - Military historical problems in volumes 15-22 of the second edition of the works of K. Marks and F. Engels. p. 90.
Khudiakov, M. - Response to readers. p. 99.
Krizental', I. - Moral responsibility of the German General Staff for the activities during the period of fascism. p. 101.
TSelaev, E. - F. Engels' development as the military theorist of the proletariat. p. 106.
Epifanov, P. - State of military thought in Russia in the first half of the 18th century. p. 112.
Khmel'kov, A. - Defense of a doctor's dissertation on military history. p. 117.
Degtiarev, A. - Sumy Artillery Technical School is 45 years old. p. 119.
Lanin, V. - Aleksandr Nevskii. p. 121.
Baklach, M., and others. - Army Commander Second Rank A.I. Sedlakin. p. 123.
Pochitalin, G. - Division Commander N.M. Rogovskii. p. 126.

VOPROSY ISTORII [PROBLEMS OF HISTORY]. Issued by Otdelenie istoricheskikh nauk Akademii nauk SSSR [Department of History of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 38, no. 11, Nov. 1963.

Table of contents translated:

Laptin, M.N., Prutskii, A.A. - The movement of innovators. p. 3.
Glndin, A M , Muslumov, I.S. - First socialist reforms introduced by the Soviet regime in Azerbaijan p. 17
Druzhinin, N M - The Liberation War of 1812 and Russian society p 34
Popov, V I - The Montreux Conference of 1936 p. 17.
Vinokur, E.M , Komar, IU.I., Kuznetsova, S I. - Sources for the history of African workers p 62
Mints, I I - Preparation of studies devoted to the 50th anniversary of the Great October Socialist Revolution p 82
Naumov, E.P - Work of the Council for Coordination of Slavic Studies p 108
Zaitsev, IA V., and others - An interuniversity conference at Bashkir University p 110
Stroganov, A I - All-Union conferences of university students on the problems of Latin America p 112
Mansvetov, N V - "Formation of socialist nations in the U.S.S.R." p 113
Krasavchenko, N P - "Situation and struggle of Ukrainian workers, from 1860 to 1900" by O A Parasun'ko. p. 117
Fedorov, V.A - "The Russian peasant movement, 1826-1849" and "The Russian peasant movement, 1850-1856" p 119
Dunaevskii, L R - "Studies on the history of Russian atheism in the 18th century" by IU IA Kogan p. 122
Popkov, B S - "Friendly cooperation of the Ukrainian S.S R with the Polish People's Republic, 1944-1960" by I. F Evseev. p 124.
Lavrent'ev, A P - "The Soviet Union and Indonesia." p 126
Kuznets, IU L. - "Mister Kohn and his studies of the 'Russian soul'" by IU Kariakin, I Plimak. p 127
Dorofeev, S I - Brief study of the postwar foreign policy of Italy. p. 129
Kolpakov, A D - "History of socialist theories" p 131.
Gurevich, A IA - "Studies on the history of English feudalism from the 11th through the 13th century" by M.A. Barg p. 133
New books. p. 137
Historical articles in Soviet periodicals p 139.
Dmitrenko, V.P. - Discussing a problem raised in the "History of the U.S.S.R in several volumes" p. 144
Mosberg, Kh I - Problems of Scandinavian history discussed at a conference in Tartu. p 146.
Sakharov, A.N - Discussing the problem of the colonial policy of the prerevolutionary government p. 148.
Brief notes p. 153
Rykalov, V S - The Great Patriotic War of the Soviet People in the studies of French bourgeois historians p. 156
Birman, M A. - A Bulgarian yearbook on the history of trade unions. p 158
Devitskii, I I - "The South German Jacobins" [in German] by H Scheel p. 160
Khalfin, N.A. - History of the first Russian revolution and the Rockefeller Foundation p 163
Gol'dberg, A L - "Pocket-size" studies on Russian history p 165.
Arish, G L. - "Russia and Greece during the regency of King Othon, 1832-1835" [in English] by B Jelavich p 168.
Salychev, S.S - A leader of the French Socialist Party describes its past and present. p. 171.
Historical articles in periodicals published in socialist countries. p 173.
Kan, A S - "Historisk tidskrift," a Swedish periodical. p. 176.
Pashaeva, N M. - History of the resistance movement in Czechoslovakia p 181.
Lilin, IU M. - "Alliance against progress" and Mexico. p. 181
Mashbits, IA.G. - Illusive paths and sane roads toward the unity of Latin America p. 182.
Golubchik, M.M. - Present-day Cameroon and the policy of the Federal German Republic p 184
Pankevich, F.I. - A champion of neocolonialism and his "third path" of the economic growth of underdeveloped countries. p 185.
Petrovskii, V.E. - Traditional distortion of the real nature of colonialism. p. 186.
Batkova, A.N. - History of Irish political struggle in the early 20th century. p. 186.
Sivachev, N.V. - Anticommunist conception of an American socialist p. 187.
Georgiev, L I. - More about F Fischer's book on the military objectives of German kaisers p 189
Gilensen, V.M. - Aggressive plans of fascist Germany in the Iberian Peninsula in 1942-1943. p. 190.
Budkevich, S.L. - Some traditional trends in the Japanese studies of the Orient. p. 191.
Vinogradov, K.B - German imperialism and Turkey entering the First World War p 193.
Kublitskii, F.A - General Seect's action against the disarmament of Germany in 1919. p. 192.
Foreign reviews of Soviet historical studies. p. 194.
Grigor'ian, IU.M. - New studies on Latin America in the German Democratic Republic, 1960-1963. p. 196.
Brief notes. p. 199.
Strakovskii, S.L - Sources and forms of labor supply in the U S S R , 1953-1961 p 202
Lur'e, S S - Data of the suppression of the Khlopka uprising p 209.
Kashtanov, S M - More about the "Department of Russian cities" in the 16th century p 211
TSypina, N.S. - The strike of French miners in March 1963 p 213

Vol 38, no. 12, Dec., 1963.

Table of contents translated

Roshchin, S I , Seregin, V.P. - Basic problems examined in volume 5 of the "History of the Great Patriotic War of the Soviet Union." p. 3.
Linkov, IA. I. - N. P. Ogarev's part in the struggle for the political emancipation of Russia, on the 150th anniversary of his birth. p. 13
Neshkina, M.V. - Summing up the discussion of the "ascending" and "descending" stages of feudalism. p. 31.
Trukhanovskii, V.G. - Anglo-Soviet relations on the eve of the Great Patriotic War. p 52.
Tikhvinskii, S.L. - Sun Yat-sen's attitude toward Soviet Russia. p 71
Grigulevich, I.R. - Cuba's cultural revolution and its achievements. p. 86
Mogilevskii, S.A. - The forces of international opportunism and their tactical position in the question of war and peace, February-October 1917. p. 103.
Tadevosian, E.V. - "Formation and development of socialist nations in the U.S.S.R." by Sh. V. Batyrov. p. 115.
Vasil'ev, A.F. - "The national economy of the U.S.S.R. during the war, 1941-1944" by G S. Kravchenko. p. 118.
Zaionchkovskii, P.A. - "Studies on the history of Russian sociopolitical ideas in the late 1850's and the early 1860's" by N.G Sladkevich. p 120
Ustiugov, N.V. - "History of the Russian iron industry in the 18th century, iron plants and their owners" by N.I. Pavlenko. p. 123.
Buganov, V.I., Lebedev, V.I. - New study of the Rebellion of Bulavin. p. 124.
Troitskii, S M. - "Readings in the history of the U.S.S.R., the 16th and 17th centuries" and "Readings in the history of the U.S.S.R., the 18th century." p. 127.
Mavrodin, V.V. - "The governors of Novgorod" by V L IAnin. p. 130.
Galkin, I.S. - "Aggression of fascist Germany in Europe, 1933-1939" by V.T. Fomin. p. 133.
Poltavskii, M.A. - "The German proletariat in the struggle for peace with Soviet Russia, November 1917-February 1918" by I.S. Kremer. p. 136.
Kniazev, O.N. - "West German expansion in the Arab countries and Africa" by IA. IA. Etinger. p. 137.
Kulikova, F.I., Mazurov, V.M. - "The place of Korea in U.S. plans during the Second World War" by V.B. Vorontsov. p. 140.
Nikitina, I.A. - "How imperialists divided the Congo Valley, 1876-1894" by A.S. Susmanovich. p. 141.
New books. p. 143.
Historical articles published in Soviet periodicals p. 145.
Starokadomskaia, M.K. - The 25th anniversary of the establishment of the Historical Library of the R.S.F.S.R. p. 147.
Brief notes. p. 153.
Koval'chuk, V.M., Sobolev, G.L. - An American historian describes the heroic defense of Leningrad. p. 156.
Ekshtein, A.K. - Misleading comments of a West German "expert in Soviet affairs." p 158.
Skazkin, S.D. - "The 'apostolic movement' and the political strategy and tactics of the Catholic Church." p. 160.
Tarasov, V.B. - A revolution "on the installment plan." p. 165.
Grossman, A.S. - "Werner Sombart's road from 'Kathedel-Sozialismus' to fascism." p. 168.
Historical articles in periodicals published in socialist countries. p. 171.
Berzina, S.IA. - "Bulletin de l'Institute Francaise d'Afrique Noire," a West African periodical. p. 172.
Grishina, R.P. - Revolutionary work of the Bulgarian Communists in Soviet Russia, 1918-1919. p. 176.
Islamov, T.M. - Current problems in studying the history of the Hungarian communist and labor movement. p. 177.
Galkina, A.D. - Agrarian problem in Latin America. p. 178.
Khazanov, A.M. - Africa and the British Commonwealth. p. 179.
Kovat'skaia, M.I. - Some trends in the development of Italian Catholic historiography. p. 180.
Fillitov, A.M. - A West German historian repudiates the myths which distort the history of the Treaty of Rapallo. p. 181.
Vinogradov, K.B. - Futile efforts to reevaluate the role of the Committee of Imperial Defense in Great Britain. p. 182.

726-081 O - 64 - 4

Teper, E. M. - The fate of Spanish political refugees. p. 184
Sorokо, O. S. - Antihistorical lies of a bourgeois sociologist. p. 185.
Erofeev, N. A. - An evaluation of the Anglo-German Agreement of 1890. p. 186.
Kamenetskii, V. A. - Are all the views of Vico really progressive? p. 186.
Klavdieva, M. K. - Jean Jacques Rousseau and the Jacobins. p. 188
Marinovich, L. P. - Ancient philosophy and the class struggle. p. 189.
Foreign reviews of Soviet historical studies. p. 190
Chistozvonov, A. N. - Present-day status and organization of Dutch scholarly research in the field of social and economic history. p. 191.
Brief notes. p. 197.
Klenova, R. A. - History of the establishment of factory schools, 1921-1925. p. 199
Gorelik, I. A. M. - We shouldn't tolerate the distorted description of historical events and facts. p. 263.

b. ARCHAEOLOGY & ANTIQUITIES

AKADEMIIA NAUK SSSR. Institut arkheologii. Kratkie soobshcheniia o dokladakh i polevykh issledovaniiakh [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Archaeology. Brief Summaries of Reports and Field Explorations] Moscow, no. 94, 1963. Pamiatniki rannego zheleznogo veka [Monuments of the early iron age].

Table of contents translated:
Smirnov, A. P. - Several unsolved problems of early Iron Age archaeology. p. 3.
Mel'nikovskaia, O. N. - Early Iron Age monuments of southeastern White Russia, the Milograd Culture. p. 9.
Machinskii, D. A. - Chronology of certain types of the Zarubintsy Culture articles, as well as those of contemporary cultures. p. 20.
Kamenetskii, I. S. - Light clay amphorae from the ancient site of Nizhne-Gnilovye. p. 29.
Kaposhina, S. I. - One of the pottery groups from the ancient site of Kobyakovo. p. 37.
Ierusalimskaia, A. A., Kozenkova, V. I., Krupnov, E. I. - Ancient settlements near the village of Serzhen'-Yurt, Chechen-Ingush A. S. S. R. p. 42.
Dubynin, A. F. - Work results of the Mozhaysk Expedition. p. 54.
Melikova, A. I. - Studying the Getae objects in the steppe part of the Dniester Valley. p. 64.
Alekseev, L. V. - The ancient site of Devich'ya Gora in Metislavl'. p. 73.
Symonovich, E. A. - Work at the site of Chernyakhov monuments in the Dnieper Valley. p. 80.
Mandel'shtam, A. M. - Post-Kushan burials in northern Bactria. p. 88.
Mogil'nikov, V. A. - Work of the Irtysh detachment. p. 94.
Iessen, A. A. - Man's image on a slab from Kizil-Vank. p. 98.
Gutiaev, V. I. - Zoomorphic knive haft from the ancient site of Staisheye Kashirskoye. p. 101.
Bogdanova-Berezovskaia, I. V. - Work of the Archaeological Technology Laboratory of the Institute of Archaeology of the Academy of Sciences of the U. S. S. R. in 1960 and 1961. p. 105.
Moshkova, M. G. - The Scythian and Sarmatian Archaeology Section in 1961. p. 107.
Smirnov, K. A. - Work of the Finno-Ugrian archaeology group in 1960 and 1961. p. 111.
List of abbrevations. p. 114.

ARKHEOLOGICHNI PAM'IATKY URSR [ARCHAEOLOGICAL MONUMENTS OF THE UKRAINIAN S. S. R.] Issued by Instytut arkheologii Akademii nauk URSR [Institute of Archaeology of the Academy of Sciences 3, 1963. lyny [Ancient

an

Klein, L. S. - Origin of the royal Syths according to archeological data. p. 27.
Shramko, B. A., Solntsev, L. A., Fomin, L. D. - Iron-working technique in the forested steppe and steppe Scythia. p. 36.
Khazanov, A. M. - Genesis of Sarmatian bronze mirrors. p. 58.
Pugachenkova, G. A. - History of the ancient construction technique in Bactria-Tokharistan. p. 72.
Korzukhina, G. F. - From the history of games in Russia. p. 85.
Golunova, I. K. - Topography of medieval Pskov. p. 103.
Burlatskaia, S. P. - Using the archeomagnetic method for dating archaeological objects. p. 115.
Levashova, V. P. - Lidiia Alekseevna Evtiukhova's 60th birthday. p. 122.
Vagner, G. K., Kirpichnikov, A. N. - Mikhail Konstantinovich Kargei's 60th birthday. p. 124.
Krainov, D. A. - Otto Nikolaevich Bader's 60th birthday. p. 126.
Kobylina, M. M. - Explorations of Phanagoria in 1959, 1960 and 1962. p. 129.
Symonovich, E. A. - Fibula of the Scythian Nenpolis. p. 139.
Akhmerov, R. B. - A silver pitcher from Bashkiria. p. 152.
Sher, IA. A. - Monuments of the Altai-Orkhon Turks in the Tien-Shan. p. 158.
Antein, A. K. - Weld steel ornamented (Damascus) spear points from the ancient Baltic Sea region. p. 167.
Tarasov, L. M. - New paleolithic statuette from Gagarino. p. 179.
Formozov, A. A. - Exploration survey of ancient mesolithic sites in the Caucasus. p. 183.
Berdyev, O. K. - Stratigraphy of the Bami settlement. p. 188.
Chulanov, IU. G. - New bronze Age objects from the Fergana Valley. p. 194.
Sokolov, V. E. - The Kaskabulak petroglyphs. p. 199.
Dashevskaia, O. D. - Tauri pottery with pectinated ornament. p. 205.
Macvskii, K. - Archaeological excavations in Nove in 1962. p. 210.
Ravdina, T. V. - The TSaritsyn burial mounds. p. 213.
Rozenfel'dt, R. L. - The Bityagovo burial mounds. p. 217.
Darkevich, V. P. - On the so-called "Perkunas idol" from Kernave. p. 221.
Mezentseva, G. G. - New data on the manufacture of early Russian millstones. p. 224.
Vysotskii, S. A. - Graffiti on the sarcophagus of Vsevolod YAroslavich. p. 228.
Orlov, S. N. - Lid with a cryptogram from Novgorod. p. 232.
Polubotarinova, M. D. - Glassware from ancient Turov. p. 233.
Galkin, L. L. - Mace from Novyy Saray. p. 239.
Shtykhov, G. V. - Practice in analyzing ancient Polotsk leather. p. 240.
Sotykhov, G. V. - Inscriptions on a stone from Polotsk. p. 246.
Rybakov, B. A. - A Tatar Cyrillic inscription from Polotsk. p. 248.
Meshcherskii, N. A. - Dating the Novgorod birch bark inscriptions. p. 249.
Borisov, V. G. - New document from 17th century Russian archaeology. p. 253.
Kolchin, B. A. - New methods in archaeology. p. 256.
Munchaev, R. M. - An outstanding work on the history of the Northern Caucasus. p. 271.
Tenisson, E. IU. - "Buried treasure from Gotland of the Viking period" [in Swedish] by M. Stenberger. p. 278.
Gurevich, F. D., Rappoport, P. A. - "The ancient site of Asote" [in Latvian] by E. D. Schnore. p. 282.
Vagner, G. K. - Proportion in early Russian art ("Construction of architectural form by early Russian architects" by K. N. Afanas'ev. p. 284.
Kiiyonos, A. A., Shkurko, A. I. - The Ninth All-Union Archaeological Students' Conference. p. 289.
Troitskaia, T. N. - Work of students' archaeological study groups in pedagogical institutes. p. 291.
Kliashtornyi, S. - In reference to the interpretation of the Ulankom inscription. p. 292.
K. M. Polikarpovich; obituary. p. 294.
G. P. Grozdilov; obituary. p. 295.
List of articles published in the "Sovetskaia arkheologiia" journal in 1963. p. 296.

5. SOCIAL SCIENCES

a. COMMERCE

...N' INOSTRANNOI KOMMERCHESKOI INFORMATSII. prilozhenie [BULLETIN OF FOREIGN COMMERCIAL INFORMATION, Supplement]. Issued by ...-issledovatel'skii konʺiunkturnyi institut [Scientific Research Institute of Economic Trends]. ..., no. 11, Dec. 1963.
...ts: [Economic conditions of Latin America] ...omicheskoe polozhenie Latinskoi Ameriki.

No. 13, Dec. 1963.
Contents [World capitalist market of household appliances] Mirovoi kapitalisticheskii ...bytovogo elektrooborudovaniia. 64 p.

BUKHGALTERSKII UCHET [ACCOUNTING] Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U. S. S. R.]. Moscow, vol. 20, no. 5, May 1963.

Table of contents translated:
Gil'de, B. - Improve a standard accounting method for production expenditures. p. 1
Ivashkevich, V. - Accounting for equipment production expenditures. p. 7.
Chalkin, V. - Improve the accounting for rejects in production. p. 13.
Baranov, N. - Accounting for industrial wastes. p. 19
Gol'dshtein, L. - Classification and distribution of expenditures in chemical enterprises. p. 21
Chernovetskii, M. - Monthly calculation of the cost of livestock products. p. 26.
Dianov, V. - Improve annual reports. p. 29
Shilin, I. - Analysis of carrying out the production program of creameries. p. 32.
Malamud, M. - Improve the auditing standards of sanatoriums and rest homes. p. 36.
Svitich, S. - Improve intra-departmental financial control. p. 37.
Kravchenko, V. - Public control in operation. p. 41.
Kanterman, S. - Analysis of the utilization of enterprise funds. p. 41.
Prokhorov, N., Mukhanoshin, K. - Accounting and the control of materials in construction. p. 47
Orlova, N. - Practice in organizing business accounting in foundry workshop sections. p. 47
Zinger, Kh. - Accounting for finished work and expenditures in construction repair organizations. p. 51.
Sverdlik, S. - Calculation the average balance of working capital. p. 52.
Borisov, S. - Organizing the audit of receipts. p. 56.
Petrushin, D. - Procedure for the distribution of wages to hourly workers. p. 59.
Smirnov, G. - Machine accounting for the expenses of freight transportation. p. 60.
Piskareva, IU. - Mechanization of accounting and reports in the financial organs of the R. S. F. S. R. p. 63
Review of newspapers. p. 66.
Dubrovner, M. - "The ABC of accounting" by I. Seslavinskii. p. 71.
New books. p. 77.
Conference on improving the accounting for production in the machinery industry. p. 78.

Vol. 20, no. 9, Sep. 1963.

Table of contents translated
Isakov, V. - For a wider use of electronic calculating machines in accounting. p. 1.
Koroleva, E. - New calculating machines. p. 6.
IUr'ev, V. - Using electronic calculating machines in accounting for materials. p. 12.
Liberman, E., Galuza, S. - Utilization analysis of production funds. p. 19.
Karakoz, I. - Daily economic analysis of enterprise operations. p. 25.
Bakhtin, I. - Labor productivity analysis in construction. p. 26.
Basmanov, I. - Organization of economic analysis in an enterprise. p. 33.
Alekseeva, T. - Introduce the standard method of accounting for production in the wool industry. p. 37.
Klimova, Z. - Significance of inventories in control of the preservation of socialist property. p. 39
Spirin, V. - Accounting for and the distribution of workshop expenditures in machinery manufacturing. p. 43.
Izrailevich, S. - First results of the competition. p. 45.
Donets, V. - Standard method of accounting for production in machinery plants specializing in small lot and individual production. p. 46.
Slabinskii, V. - Accounting for production costs in mining. p. 49.
Libinzon, S. - Planning and accounting for design and engineering research. p. 51.
Shchetinin, A., Zastreba, A. - Improve the bill of lading. p. 53.
Brovchenko, P. - The mechanized journal-voucher accounting system in public institutions. p. 55.
Reznikova, S., Rotshtein, B. - Use the journal-voucher accounting method in housing operations and management offices. p. 56.
Palii, V. - Accounting for the sale of finished products in centralized delivery to the trade system. p. 61.
Review of newspapers. p. 65.
Conference on the use of electronic calculating machines in accounting, planning and statistical work. p. 70.
Kamyshanov, P. - "The journal-voucher accounting system in public dining" by I. Kolfman, S. Smith. p. 72.

New books. p. 75
Conference of the workers of the auditing and inspection apparatus. p. 77.
Readers' conference in Kiev. p 78.

Vol. 20, no. 10, Oct 1963.
Table of contents translated:
Dedkov, E - For a wider use of machinery in the accounting for carrying out the budget. p. 1
Khuchko, E. - Ways to improve the utilization of accounting machines. p. 5.
Sil'chenko, V. - A branch machine accounting center is one of the most efficient forms of machine accounting. p 6
Zuikin, A. - Machine accounting for consolidated work in the Lower Volga Economic Council. p 9.
Kalashnikova, E. - Machine accounting for expenditures in printing production. p. 12
Dimitrov, B - Machine accounting for containers with the aid of punched card machines in wholesale depots. p. 20.
Borodkin, A - Planning and accounting for production costs in the main workshops of machinery manufacturing enterprises. p. 30
Lukin, V. - Daily accounting and control of production costs in motor-vehicle and tractor plants. p 34.
Spirin, V. - Efficiency conditions of daily accounting. p. 38.
Kopel'ko, A., Frizen, P - Accounting for industrial wastes. p. 42.
Dymov, A. - Calculating the cost of livestock products. p. 42.
Sarlev, N. - Using an electronic computer for accounting in the Rostsel'mash Plant. p. 45.
Udovenko, G. - Machine accounting in the Taganrog Combine Plant. p. 47.
Rudnianskii, V. - Utilizing punched card machines in the Novocherkassk Electric Locomotive Plant. p. 51.
Zotov, V. - Operational analysis of the utilization of an enterprise's working capital. p 53.
Kruptchev, N. - Production cost analysis of the Kuznetsk Metallurgical Combine. p. 59.
Geller, V. - Improve the accounting for losses due to waste. p. 65.
Accounting in capital construction. p. 67.
Accounting and operational economic analysis. p. 68
Review of newspapers. p. 70.
Naftul'ev, G. - Accounting for receipt books in service industry enterprises. p. 75.
Conference on the problems of calculating machine utilization. p. 78.
In the Board of Personnel Training of the Central Statistical Administration of the U. S. S. R. p. 79.

Vol. 20, no. 11, Nov. 1963.
Table of contents translated
Granovskii, G. - Prepare a high quality annual report on time. p. 1.
Soblanin, A. - Utilizing accounting data in economic work. p. 6.
Mitiaev, N., Popov, D. - Classification of capital assets. p. 9.
Gershtenkern, N. - Improve the calculation of the cost of casting. p. 13.
Molzhes, M. - Accounting and calculation in the canning industry. p. 19.
Anisov, A. - Improve calculation and accounting in public dining. p. 22.
Shalneva, L., Kuznetsova, M. - Intensifying control in public-dining enterprises. p. 27.
Vikhliaev, A. - Equipment utilization analysis in a machinery manufacturing enterprise. p. 32.
Shilin, I. - Using a standard accounting method in the "Moskabel'" Plant. p. 37.
Zinger, M. - Standard accounting method in clothing enterprises. p. 39.
Filippova, V. - Calculating costs in the assembly-line organization of production. p. 41.
Ligacheva, L. - Calculating the cost of plate glass. p. 44.
Morozov, A. - Simplify document forms in the supply of materials and equipment. p. 46.
Prokhorov, N. - Accounting for materials used in capital repairs. p. 49.
Berezovskii, G., Khamish, L. - Work of a bureau of economic analysis staffed with volunteers. p. 52.
Maksimenko, G. - Volunteers are engaged in the analysis. p. 53.
Radostovets, V. - Bureaus of economic analysis in enterprises of the Kazakh Economic Council. p. 55.
Ignatov, A. - From a practice in organizing intradepartmental control. p. 57.
Kozak, I. - Over-all mechanization of administrative work. p. 64.
Rapoport, A., Kosov, A. - The punched-card accounting system at the Ukhta Combine. p. 66.
A review of newspapers. p. 69.
Rosshkin, V., Grishin, G. - "Accounting in public institutions" by N. A. Mastalygina. p. 74.
In the methodological council. p. 76.

KOOPERATOR KAZAKHSTANA [THE COOPERATIVE WORKER OF KAZAKHSTAN] Issued by Soiuz potrebitel'skikh obshchestv Kazakhskoi SSR [Association of Consumer Societies of the Kazakh S. S. R.] Alma-Ata, vol. 6, no. 7, Oct. 1963
Table of contents translated
Il'iashev, R - Current problems of Kazakhstan cooperators p 3
Levchenko, V - For a more fearless transition to direct relations with industry. p 7
Mal'chovetskii, I - We don't make a step without volunteers p 9
Mass inspection of the safety of socialist property p. 10
Volunteer controller should be concerned with everything Appeal of the members of the Mass Public Control Committee of the Yamsay State Farm Workers' Cooperative p 11.
Kuznetsov, E - Urals cooperators during the days of the struggle for bread p. 12
Artelshevskii, A. - If books are objects of concern. p. 15
"The regional cooperative society has been established... that's done thank goodness!" p 19
Stychinskaia, V - Pave the way to everything new and progressive p. 20.
Grigor'ev, S - Proximity to the capital makes for obligations p. 26.
Komarova, T. - Useful conversation. p. 29.
TSvirko, G. - Bread is the national property p 32
Shcherbakova, G. - In accord with the new. p. 34.
Popov, IU. - Ably and in a businesslike manner. p. 35
In winter as in summer! Appeal to all Dzhambul Province trade workers serving stock farm seasonal pastures. p 37.
Barkov, N. - Our concern is great. p 38.
Orekhov, I. - There, where flocks are roaming. p. 40
Khamzina, S - The steppe is calling. p. 43
Khismatulin, A. - Reconstruction has increased the capacity of bakeries p. 45.
Smirnov, A - Supply honey to virgin land farmers. p 45.
Kazanbaev, S. - Satisfy demand on time p 45.
Polinkin, G. - Return the past glory. p 46
Kantukova, V. - A valuable raw material for industry. p 46
Georgiev, V. - Silver fox of the Rudnyy Altai. p. 48
Shafiro, Sh - Facts about the shop assistant. p. 52.
Pirozhkov, V. - They could build better. p 55
Abramovich, F. - Our plans and our concerns p. 56.
IUr'ev, G - I set my own rules, feuilleton p. 57
Kornienko, V. - The beginning of the path; a story p 58.
Riabukha, D. - How to make money from water, verse. p. 63.
Chumakov, K. - For you, housewives· How to salt vegetables. p. 64.

SOVETSKAIA POTREBITEL'SKAIA KOOPERATSIIA [SOVIET CONSUMER COOPERATION]. Issued by TSentral'nyi soiuz potrebitel'skikh obshchestv SSSR [Central Union of Consumers Societies of the U.S.S.R.]. Moscow, vol. 7, no. 10, Oct. 1963.
Table of contents translated:
Editorial: Let's successfully carry out the procurement of vegetables and potatoes. p. 1.
Romanov, P., and others. - If you gave your word, keep it, if you pledged something, carry it out. p. 3.
Ershov, B. - Party organization as the soul of a collective. p. 5.
Malychenko, I. - Flag officers of procurements. p. 8.
Basova, V. - Real satisfaction. p. 9.
A review is going on. p. 11.
Bystrov, I. - By common efforts. p. 12.
Shumeiko, M. - Worries of a rural sale
Zakhovaev, P. - Work with people i
p. 17.
Gol'tsaker, I., Anufriev, N. - Whol
the new conditions. p. 20.
Shkabel'nikova, Z. - Bring books
Kuzevanov, N. - Champions of the
sive. p. 27.
Kostrov, E. - The hunter is the c
fur trade. p. 28.
Korney, V. - Fishermen. p. 30.
Khachaturov, IU. - Second birth.
Bezelianskii, IU., Cholenkov, N.
find nothing. p. 35.
Il'in, N. - Important means of ec
p. 39.
Lebedev, N., Shteinberg, R. - L
of automotive transportation.
They should be controlled by the c
Cooperative economics school. p.
Kramarovskii, IA. - "Common M
tive movement of the West Euro
p. 55.
Hulkkonen, Aarne. - Cooperative
p. 59.

Consultations and advice. p. 63.

SOVETSKAIA TORGOVLIA [SOVIET COMMERCE] Issued by Gosudarstvennyi komitet po torgovle pri Sovete narodnogo khoziaistva SSSR [State Committee for Commerce, Attached to the Economic Council of the U.S.S.R.]. Moscow, vol 37, no. 11, Nov. 1963
Table of contents translated
Shalaut ova, A. - Let's carry out the decisions of the party. p. 1.
Titel'baum, N. - Studying variety and demand. p. 6.
IUrov, V. - Orders and interprovincial exchange of merchandise. p. 10.
Gusev, IU. - Transit should be expedient. p. 12.
Anpilogov, G. - Let's create a united advertising firm. p. 15.
Luk'ianchenko, V. - Do we need methodology for determining the efficiency of capital investments? p. 18.
Zamkovskii, D. - How clothing should be sold. p 21.
Ivanov, V. - Communist Youth League searchlight. p. 25.
Ermilina, L. - In the Moscow Phonograph Record House. p. 29.
Rachevskaia, M. - Moscow, Peace, Prospect, 73.... p. 32.
Rudakov, A. - Let's be more exact in determining the demand of merchandise. p. 34.
Borminskii, N., Loshchinskii, A. - Trade fair at the Exhibition of Achievements of the National Economy of the U.S.S.R. p. 36.
Pen'kova, E. - At the exhibition of store equipment. p. 38.
Glukhov, N. - Let's give better service to Virgin Territory residents. p. 42.
Mesengiser, M. - Let's normalize the supply of retail trade. p. 43.
Kondratskii, A. - Credit sales are expanding. p. 13.
Sokolov, IA. - Let's train the machine accounting specialists. p. 44.
Strogov, N. - Qualitative evaluation of processed vegetables. p. 45.
Chaikii, P., Valentiev, G. - Editor's mail. p. 46.
Kust, V., Zorin, S., Zhdanova, S. - Textbook on the organization and technology of trade. p. 47.
Recommendations for the organization of self-service grocery stores (conclusion). Equipment of a sales area. Distribution and layout of goods in a sales area. Advertising and the decoration of a sales area. Organization of work in a store. Liability system. p. 49.

TORGOVLIA ZA RUBEZHOM; organizatsiia, novye metody, tekhnika torgovli i massovogo pitaniia [TRADE ABROAD; Organization, New Methods, and Equipment of Trade and Public Food Service]. Moscow, no. 11, 1963.

b. ECONOMICS

AKADEMIIA NAUK TADZHIKSKOI SSR, Dushanbe. Otdel ekonomiki. Trudy [ACADEMY OF SCIENCES OF THE TAJIK S.S.R. Department of Economics. Transactions]. Dushanbe, vol. 11, 1963. Voprosy ekonomiki narodnogo khoziaistva Tadzhikistana [Problems in the economics of the national economy of Tajikistan].
Table of contents translated:
Rakhimov, R., Vladimirov, S.A., Chirgadze, I.V. - Specialization and the further improvement of the machinery manufacturing industry in Tajikistan. p. 3.
Vaileva, M.A - Oil manufacturing industry of the Vakhsh Valley and its potentials. p. 22.

Bubnovskii, N. - Increase the production and reduce costs of sugar beets in the Ukraine. p 17.
Korniets, L. - The new state delivery system will be an important factor in the further upsurge of agricultural production p.25
Korlagin, A - Production of agricultural products should outstrip consumer demand p 34.
kozlov, A. - Increase the production of meat and milk on state and collective farms in the Virgin Territory p.39
Belov, A. - Efficient distribution and combination of branches on virgin-land state farms p.44
Udovenko, E , Labzina, Z - Specialization of state farms near cities p.51.
Shevtsov, F. - Determining the efficient size of dairy farms. p 56
Gachinskii, E. - Reorganizing agricultural organs in the Ukraine p.67
Bundorfas, G - Introduce progressive practice to collective and state farms. p 72.
Dovzhik, M - From tractor and field brigade to a mixed one p 79
Nanasov, V. - Mechanize granaries on virgin-land state farms. p.83
Cheshikhin, G., Troitskii, V - Land planning in connection with regional planning p 88.
Kashitskii, F - Live and work in the communist way p 97.
Dumnov, D , and others. - Distributing expenditures on combined production. p.106
Paskel', G - Tie with life is the main thing in popularizing the knowledge of economics. p 112
Gainetdinov, M - Utilize the by-products of alcohol production more efficiently p.113
Elagina, A., Krylatykh, E - Regional economic conference. p.116.
Fedotov, V. - Achievements of socialist agriculture in the Mongolian People's Republic. p.119
Sivolobov, A - Agrarian problem in Colombia p 121.
Gerasimov, N - Unsuccessful edition of the agricultural calendar for 1961. p.125.

Vol. 34, no. 11, Nov 1963.
Table of contents translated:
Editorial: Strengthen and expand the communal economy in every way possible. p. 1.
Kospanov, Sh. - Increase grain production constantly. p 8.
Obolenskii, K. - Overcome lagging in the science of agricultural economics faster. p. 15.
Baranov, N., Mikhailov, N. - Use mineral fertilizers taking into consideration the characteristics of cultures and zones. p. 25.
Raskin, G - Capital investments and their efficiency in U. S. S. R. agriculture. p. 36.
Lagutin, N. - Growth of the material welfare of the rural population. p. 51.
Voronin, IU., Potiakov, A. - A state farm of steady and high profitableness. p. 58.
Kholod, N. - The Orenburg method for shearing sheep reduces labor expenditure in half. p. 63.
Petiaev, S. - Over-all mechanization is the basis for increasing labor productivity. p. 67.
Serkov, A. - Practice in three-shift tractor work. p. 72.
Valuev, V., Matiuto, N. - The ISU-4 mineral fertilizer grinder-mixer. p. 75.
Semenov, N. - The AMK-2 small-size mixed feed aggregate, p. 77.
Sozinov, B. - Administer production without intermediate subdivisions. p 79.
Malashevich, V. - Take into consideration sugar content in determining payments. p. 82.
Lysogorov, S., Kiver, F., Lymar', A. - Advantages of saturation irrigation for vegetables in the southern Ukraine. p. 86.
Romanchenko, G. - Methods for calculating differential rent on collective farms. p. 89.
Cherniavskii, I., Surovyi, L. - Economic land valuation in the White Russian S. S. R. p. 97.
Sidorenko, M. - Business accounting in a collective farm automobile depot. p. 101.
Arakcheev, P. - Improve the utilization of mineral fertilizers and toxic chemicals. p. 103.
Borodina, T. - Advantages of using airplanes for the chemical weed control of grass cultures. p. 106.
Tereshchenko, V. - Labor productivity in U. S. A. stockbreeding. p. 108.
Klemyshev, P. - Scientific bases for the highly productive utilization of tractor aggregates. p. 115.
Evtushenko, V., and others. - A timely book on establishing work norms. p. 117.
For a perfect accounting on collective and state farms. p. 119.
Fishevskii, IU. - Spreading knowledge of economics in the village. p. 122.
Klots, E. - Academic conference on the over-all mechanization of agricultural production. p. 125.

EKONOMIKA SOVETSKOI UKRAINY [ECONOMICS OF THE SOVIET UKRAINE] Issued by Gosplan Soveta Ministrov Ukrainskoi SSR and Institut ekonomiki Akademii nauk URSR [State Planning Commission of the Council of Ministers of the Ukrainian S. S. R and the Institute of Economics of the Academy of Sciences of the Ukrainian S. S. R.]. Kiev, no 5, Sep -Oct. 1963

EKONOMIKA STROITEL'STVA [ECONOMICS OF CONSTRUCTION]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U. S. S. R for Construction] Moscow, no 11, Nov 1963
Table of contents translated.
Editorial Improve economic work standards in the field of construction mechanization. p. 3.
Shafranskii, V. - Main trends in eliminating manual labor in construction. p. 6.
Sorokin, P. - Developing the comprehensive mechanization of housing construction. p. 11.
Maliugin, V., Efremov, S. - For a steady reduction of the cost of housing construction. p. 15.
Bromberg, G. - Improve the financial and administrative operations of housing construction combines. p. 24.
Tikidzhiev, R. - Special features of establishing norms for building operations in ferrous metallurgy. p. 28.
Kozlov, V. - Scientific and technological cooperation of socialist countries in the field of construction economics. p. 34.
Nuss, P., IAmpol'skii, A. - Effective control over the expenditure of materials in construction projects. p 41
We are discussing the efficient utilization of machines and mechanical appliances in construction p 46.
Osiatinskii, L - For the further improving of price determination in construction p. 61
Nomenclature of construction projects, work and expenditures for consolidated estimated financial calculations. p. 64.
Estimating problems. p. 66.
Problems under study in the economics sections of academic research institutes. p. 67.
Obligatory corrections of designs and estimates based on the decisions of government experts. p. 68.
Repenko, A. - New textbook on construction economics. p. 69.
Varenik, E., Spektor, M. - Valuable aid for calculating the economic efficiency of mechanization in construction p. 70.
Filakhtov, A. - Improving standard methodology. p. 72.

LIAUDIES UKIS [THE NATIONAL ECONOMY]. Issued by Lietuvos TSR Valstybine plano komisija [State Planning Commission of the Lithuanian S. S. R.] and others. Vilnius, nos. 11(61)-12(62), Nov.-Dec. 1963. [In Lithuanian]

LIETUVOS TSR AUKSTUJU MOKYKLU MOKSLO DARBAI: EKONOMIKA. Uchenye zapiski vysshikh uchebnykh zavedenii Litovskoi SSR: Ekonomika [STUDIES BY THE INSTITUTIONS OF HIGHER LEARNING OF THE LITHUANIAN S. S. R.: ECONOMICS]. Vilnius, vol 3, no. 2, vol. 4, no. 1, 1963.

MOSCOW. UNIVERSITET. Vestnik, Serita 8: Ekonomika, filosofiia [UNIVERSITY. Review, Series 8, Economics, Philosophy] Vol. 18, no. 6, Nov.-Dec. 1963.
Table of contents translated:
Editorial: Kasavina, G. Z. - Transformation of science to a practical productive force p. 3.
Osadi'ko, M. P. - Improving production in an enterprise as a form to manifest the substance of the production relations of socialism. p. 15.
Kanygin, IU. M. - Influence of the structure of industrial production on the correlation between capital assets and the industrial production of the U. S. S. R. p. 27.
Khakimov, M. Kh. - Principle of material self-interest is an important means for developing state farm production. p. 38.
Mironenko, A. IA. - International proportions of the world socialist economy. p. 50.
Kosolapov, R. I. - The path of humanity to freedom p. 61.
Seitov, P. D. - Objective basis for the systematization of categories. p. 72.
Kupisov, V. I. - Character of the relations of the statistical system. p. 79.
Balakina, I. F. - On the so-called Russian existentialism. p. 88.
Koloskov, T. M. - I. G. Golovin, a champion against autocracy and serfdom. p. 97.
Kurochkin, N. - First steps of the laboratory. p. 101.
List of articles and materials published in the journal "Vestnik Moskovskogo Universiteta," economics and philosophy series, in 1963. p. 104.

NARODNOE KHOZIAISTVO ARMENII [THE NATIONAL ECONOMY OF ARMENIA] Issued by Gosplan Soveta Ministrov Armianskoi SSR [State Planning Commission of the Council of Ministers of the Armenian S. S R]. Erivan, no. 11, 1963. [In Armenian]

NARODNOE KHOZIAISTVO KAZAKHSTANA [THE NATIONAL ECONOMY OF KAZAKHSTAN]. Issued by Gosplan Kazakhskoi SSR [State Planning Commission of the Kazakh S. S R]. Alma-Ata, vol 21, no. 9, Sep 1963
Table of contents translated.
Adaibekov, M., Zhilinskova, E., Bogdanova, T. - Raise the alarm! p. 3.
Krygin, IU., Safonov, A., Seleznev, N. - Important construction projects, but the building projects is good for nothing. p. 13.
Isaev, P. - It is not any better here either. p. 15.
Fedotov, N. - Kara-Tau is a complex of large-scale chemistry. p. 19.
Vasin, I. - In the tangle of bureaucratic red tape. p. 24.
Shamel'khanov, A. - Why Dzhezkazgan resources are utilized slowly. p. 26.
Chicherov, A. - Delayed reconstruction. p. 29.
Orlov, V. - Place in the common ranks. p. 31.
Klenchin, N., IAkubovskii, V., Pautov, I. - And indeed.... (in reference to past reading). p. 31.
Ushakov, D. - Our foreman. p. 35.
Poring, E. - Always in search. p. 36.
Smirnov, V. - Scout of the future; verse. p. 39.
Marin, N. - The cost of miscalculations. p. 40.
Vetrov, F. - For comprehensive planning. p. 43.
Tatarenko, N. - Count, analyze and uncover potentials. p. 46.
Lachkov, D. - For technological progress. p. 48.
Petrov, P. - The star over the headframe never dims. p. 50.
Polishchuk, I. - Firm advantages are obvious. p. 51.
Maksimov, V. - Produce more beautiful articles of good quality. p. 66.
Ponomarev, V. - Nephelite is a comprehensive raw material. p. 58.
Churbanov, V. - Supply Kazakhstan with a stone-cutting industry. p. 59.
Kazhenbaev, S. - Strengthen the ship-repairing base. p. 61.
Krylov, S. - Standard method of accounting for expenditures. p. 62.
Kudrinshov, P. - With an empty sack. p. 69.
IAkovleva, T. - Caustic remarks. p. 70.
Boiko, V. - New era in power engineering. p. 71.
Ivanov, K. - Rebirth of rolling. p. 73.
Sidorov, A. - Infinitely variable friction devices. p. 74.
Naribaev, K. - With the aid of electronic machines. p. 75.
Checheleva, T., Ashimbaev, T. - With factual language. p. 77.
Furman, S. - Legal problems of designing. p. 78.
Follow-up of our materials. p. 79.

PLANOVOE KHOZIAISTVO [PLANNED ECONOMY] Issued by Gosplan SSSR and SNKh SSSR [State Planning Committee of the U. S. S. R. and the Economic Council of the U. S. S. R.]. Moscow, vol. 40, no. 11, Nov. 1963.
Table of contents translated:
Chadaev, IA. - Improve the planned guidance of the national economy. p. 1.
Kolosov, A. - Basis for planned assignments in utilizing capital production funds. p. 10.
Golynskii, M. - Improve the efficiency of capital investments in ferrous metallurgy. p. 19.
Zinger, L., Lapshin, N. - Using electronic computers for calculations. p. 28.
Rabkin, B. - Index of the conventional net product. p. 31.
Shikhov, I. - Efficiency of capital investments in the means of mechanization. p. 38.
Kagner, IA. - Amortization fund on collective farms. p. 42.
Popov, N. - Material incentives of production plans. p. 48.
Broisov, I. - Important potential of heavy machinery manufacturing. p. 59.
Narbekova, E. - For closer ties between trade and production. p. 63.
Hoyer, K. - Business accounting in scientific and technical institutes of the German Democratic Republic. p. 70.
Shlapentokh, V. - Criteria of the efficiency of capital investments in modern bourgeois econometrics. p. 74.
Savost'ianov, V. - Labor productivity and wages. p. 87.

Ivanov, G. - How can national economy is administered, p. 87.
Economic regions of the U.S.S.R. p. 89
New enterprises and production should be more efficient, p. 91.
From the readers' conference. p. 94.

Vol 40, no 12, Dec 1963.
Table of contents translated
Sorokin, G. - Problems of planning the socialist world economy p 1
L'vov, D - Economic evaluation of the standards of production mechanization and automation. p 12.
Persits, M - Compiling national economic balances of the Union Republics p. 20.
Genesin, A - Studying metal supply volume and composition in the Union Republics p 25
Karpov, A. - Improve economic work standards in every way possible p. 32
Manevich, D , Klochkov, V - Long-lasting norms for planning workshop production costs p 36
Albegov, M. - Using linear programming methods for compiling the optimal fuel power balance p. 43
Mallnin, S., Ippa, M., Rozental', IU. - From practice in preparing matrix models for planning in the White Russian S.S.R. p 48.
Mukhrov, N. - Unification of planning documentation of industrial enterprises p. 52.
Kandyba, M , Pannsenko, V - Reasons for the reduced efficiency of capital investments in the mining industry of the Ukrainian S S R p. 58
Iokas, E., Khrusheheva, I. - Improve the methods for construction planning and financing. p 63
Perel'man, M - Economic competition between the U S S.R. and the U.S.A. in the field of machine-tool manufacturing p. 67.
Belov, N - Production planning and the responsibility for fulfilling plans p 74
Kazachek, A - Specify profit calculations in industrial enterprises p. 76.
Babadzhanian, R - General utilization index of capital assets p 77.
Leibovich, N. - Methods for calculating production costs. p 78.
Kiperman, G - More eloquent than words. p 80
Sholest, V , Krapchin, I - Electrification and the distribution of productive forces p. 85
Outstanding organizer of socialist planning p 90.
List of articles published in 1963 p 92.

REFERATIVNYI SBORNIK: EKONOMIKA PROMYSHLENNOSTI [JOURNAL OF ABSTRACTS: ECONOMICS OF INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 12, Dec. 1963. Predmetnyi ukazatel' za 1962 g. [Subject Index for 1962]

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly, ekonomicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools; Economics]. Moscow, vol. 6, no. 6, 1963.
Table of contents translated:
Borisov, E. - Improve work standards of departments of economics p. 3.
Increase material self-interest in work results.
Medvedev, V - Objective bases and forms of material incentives p. 10
Khomelianskii, B. - Hourly wages in U S S.R. industry. p 18.
Vikhliaev, A. - Influence of technological progress on the relationship of the value of capital assets to the value of production. p 26
Sedyshev, IU - Differential rent and the economic conditions of collective farm management. p 33.
Klusov, E. - Insolvency of the "Alliance for Progress" p 45.
Sovel'neva, G - French monopoly capital intensifies the attack on the workers' living standards p. 53
Granlyn', G - Method for computing the national income of the U.S.A. p. 62
Alekseenko, M. - Practice of first Soviet firms p. 74.
Ozira, V. - Improving subsidiary production processes. p. 79.
Korostelov, V. - Utilize potentials for increasing labor productivity in U.S.S.R. transportation p. 85
Libman, G - Book on current wage problems p 90
Petrova, V., Kriventsov, A. - Textbook on the theory of accounting. p. 95.
Model list of problems for economics dissertation. p. 98.
Mineev, V - Conference of agricultural economists p 110.
List of articles published in the journal "Ekonomicheskie nauki," nos. 1-6 for 1963. p. 113.

UCHET I FINANSY V KOLKHOZAKH I SOVKHOZAKH [ACCOUNTING AND FINANCE ON COLLECTIVE AND STATE FARMS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U. S. S. R.] Moscow, vol. 20, no. 10, Oct. 1963.
Table of contents translated:
Editorial Public property is sacred and inviolable. p. 2.
Khatsenluk, I. A - They don't take care of public property p 2.
Baida, B. K. - Thieves and accomplices. p. 5
Kafarov, M. A - Protect collective and state farms from the theft of property. p. 7.
Shramkov, G A. - There is but a step from bad management to stealing. p 8
Kuznetsov, S G. - Balance committees at work. p 10.
Plastinin, N. G., Ponomareva, L A - Balance committee is a form of public control. p 11
Griboedov, V. I. - Help the auditing committees! p 15.
Novozhilova, E. D. - They have forgotten about the auditing committees. p. 16.
Get ready for summing up the results of the year. p. 18.
Romanenkov, D F. - Accounting for labor and wages p. 22.
Dotsenko, I. P., Kostin, I IA , Kaz', S M - They have simplified the accounting for labor p. 26
Pavlichenko, I. P - Accounting for work in a mechanized unit. p. 27.
Kashin, V. A. - For creative use of the balance sheet accounting method. p. 28.
Stankov, P A - How to organize the accounting for the carrying out of a plan by brigades. p. 30.
Peresun'ko, P A. - A multipurpose book-turnover journal. p. 33
Kaunov, I. A. - Machine accounting in agriculture. p. 34.
Dubovitskii, N. G. - Harassments of accounting machine operators p. 40.
Stromilo, S. E. - Business accounting on a collective farm p. 41.
Khrebtov, T G. - Production of cheap beef. p. 43.
Fomichev, IU P. - Collective farms introduce monetary wages. p. 45.
Stasevich, M. I. - There is need for control over the disbursement of the wage fund. p. 45.
Viter, I. K , Bil'skii, V. G - Analysis of the utilization of automotive transportation. p. 47.
Gainetdinov, M F. - Potential of cattle fattening state farms. p. 50.
Nikol'skii, N. K. - The journal-voucher accounting system. p. 53.
Chernikov, S. P. - New procedure for financing capital repairs on state farms. p. 60.
Izotov, I. E. - Supply agriculture with calculating machines. p. 63.
Replies to readers' questions p. 64.
New books. p. 64.

UKRAINS'KYI HOSPODARNYK. THE UKRAINIAN ECONOMIST. New York, vol. 9, no. 8, 1963. [In Ukrainian]

VOPROSY EKONOMIKI [PROBLEMS OF ECONOMICS]. Issued by Institut ekonomiki Akademii nauk SSSR [Institute of Economics of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 10, Oct. 1963.
Table of contents translated
Notkin, A. - Correlation between the growth of the national product and national income. p. 3.
Ignatovskii, P. - Several economic problems in improving lagging collective farms. p. 17.
Utkin, E. - On the problem of firms. p. 27.
Kapitonov, B. - Improving the quality of the means of production. p. 38.
Kaplan, I. - Personnel turnover in enterprises and how to eliminate it. p. 45.
Khlebnikov, V. - Labor productivity on collective and state farms. p. 55.
Zaslavskaia, T. - Ways to evaluate labor on collective farms. p. 64.
Ryndina, M. - Unscientific methodology of modern bourgeois economics p. 74.
Riha, L. - Taking the time factor into account in establishing norms for the coefficients of economic efficiency p. 88.
Kovalev, N., Khorunzhii, L. - New book on the theory and practice of the application of the mathematics in economics. p. 99.
Gorbunov, E. - Book on the laws governing industrial development in the U. S. S. R. p. 106.
New books, collections of articles, journals. p. 108.
Popov, I. - Cooperation of socialist countries in the field of power resources. p. 111.
Academic conference on methodological problems in comparing the basic indices of the U. S. A. and the U. S. S. R. p. 123.
Zheludkov, A. - Condition and development of the woodpulp-paper industry. p. 130.
Bakradze, D. - Determining the economic efficiency of capital investments in land improvement p. 144
Varzin, N., Esipov, V., Zaitsev, N. - Economics training of agricultural specialists. p. 149.
Orlov, B., Pandakov, V. - Vital problems in the economics and organization of new enterprises and production. p. 151.
The all-Union conference on establishing norms for expenditures and the economy of material resources in industry. p. 155.

d. LABOR

ISTORIIA RABOCHEGO KLASSA LENINGRADA [HISTORY OF THE WORKING CLASS OF LENINGRAD] Issued by Leningradskii gosudarstvennyi universitet [Leningrad State University]. Leningrad, no. 1, 1962
Table of contents translated
Kornatovskii, N. A - Conditions and problems in the study of the history of Leningrad workers during the Soviet period p. 3
TSybul'skii, V A. - From the history of the economic ties of the Petrograd workers with the peasantry in 1921 p 21
Ankudinova, L E - Training a labor force of young workers; based on Leningrad materials p. 39.
Gulaiev, A. N. - Production conferences in Leningrad enterprises, 1926 to 1929. p. 56.
Ivanov, I. A. - Participation of Leningrad workers in the collectivization of U. S. S. R. agriculture, 1929 to 1932. p. 73.
Shkaratan, O. I - Standard of living of the U. S. S. R. working class during the transition from capitalism to communism, 1917 to 1937, based on Leningrad materials. p. 91
Ezhov, V A - The Leningrad workers in the effort for industrial reconstruction, 1944 to 1949 p. 106
Poletaev, V. E - Comparative characteristics in the number and composition of Leningrad and Moscow workers during the postwar period. p. 122
Vakhanskii, E. M - Increasing the role of the working class in state and public administration under present-day conditions, based on materials of the Leningrad-Party Organization. p 130.
Smirnov, V. F - The working class and technological progress, 1959 to 1961, based on Leningrad materials p. 154.
Abramov, E A., Zemskov, N S - From the work practice of communist labor brigades in the textile enterprises of Leningrad, p. 170.
Shevtsova, A F. - Mass trade-union journals of 1917 to 1937 as a source for studying the history of the working class; based on materials of the M. E Saltykov-Shchedrin Public Library periodical collection. p. 182
Kupalgorodskaia, A P. - Large circulation of factory and plant newspapers as a source for the history of the working class; based on materials of the Leningrad press. p. 192.
Amosov, N N. - Documents of the Government Archive of the October Revolution and the Building of Socialism of Leningrad Province as a source for the history of Leningrad workers during the years of the Great Patriotic War p. 200
Dubin, A S., Lebedeva, N. B. - Materials of the Government Archive of the October Revolution and the Building of Socialism of Leningrad Province as a source for the history of Leningrad workers, 1945 to 1955. p. 213

No. 2, 1963.
Table of contents translated:
Zisel'son, E. I. - Formation of a labor force in St. Petersburg enterprises from 1801 to 1861. p. 3.
Kutsenlov, D. G. - The St. Petersburg proletariat in the 1890's; number of workers, composition and economic condition, p. 19.
Suslova, F. M. - The 1895 and 1896 strikes in St. Petersburg and their influence on the development of a mass labor movement. p. 49.
Davidenko, A. I. - Number and composition of the St. Petersburg proletariat at the beginning of the 20th century. p. 92.
Smolin, I. S. - Struggle of the St. Petersburg workers for the eight-hour workday during the years of the First Russian Revolution. p. 113.
Kats, N. I. - Trade Unions of St. Petersburg during the reaction years, 1907-1910 p 132.
Leiberov, I. P. - Strike struggle of the Petrograd proletariat during the First World War, July 19, 1914 to February 16, 1917. p. 150.
Selitskii, V. I - Struggle of Petrograd workers for production control during the peaceful development of the revolution, March to June 1917. p. 187.

RABOTNITSA I SIALIANKA [THE WOMAN WORKER AND THE PEASANT WOMAN] Issued by TSentral'ny Kamitet Komunistychnae partyi Belarusi [Central Committee of the Communist Party of White Russia]. Minsk, vol. 39, no. 10, Oct. 1963.

Table of contents translated:

This is what the October Revolution has brought us. p. 2 of cover.
Vasil'eva, N. - Women.
Stasava, A.D. - Pages of my life and struggle. p. 4.
Pysin, A., Anoshkin, I. - Deputy of the soviet. p. 5.
Neiad, Nina. - The 45th anniversary of the establishment of the All-Union Lenin Communist Youth League. p. 6.
Khavanskaia, Hanna. - Life calls us to new achievements. p. 7.
Benedek, Elek. - Right and wrong; a story [translated from the Hungarian]. p. 9.
Hramyka, Ivan. - Beauty which doesn't arrest your attention. p. 10.
Shamiakin, Ivan. - Jealousy; excerpt from a novel. p. 11.
Balash, A. - Our workers showed her the cold shoulder. p. 14.
New motion pictures. p. 14.
Navitski, H. - Autumn of great expectations. p. 16.
Lukashenka, Viktar. - You cannot force them to accept the customs of the past. p. 17.
Bobau, S. - The legend of doomsday. p. 18.
Kalluzhyn, H. - Protect the sleep of your children. p. 19.
Altukhou, Mikola. - Squirrel, a story. p. 20.
Eihes, N. - Friendship among children. p. 21.
Useful advice. p. 22.
Cookery. p. 23.

Vol 39, no 11, Nov 1963

Table of contents translated:

The most important sector. p. 2 of cover.
Lukashenka, V. - Flowers on stones. p. 1.
Kalinouskaia, L. - Reckless heart. p. 3.
Nestsiarkou, A. - Friend and adviser. p. 5.
Vialiuhin, Anatol'. - Marila Ul'ianova, a poem. p. 6.
TSypus, N. - The house where we live. p. 8.
Rava, Enzo. - Stitch after stitch. p. 10.
Tarasava, T. - Ol'ha Kobylians'ka. p. 11.
Vasileuskaia, Halina. - Everyday life on a collective farm. p. 12.
Makarevich, A. - Treasures of the human soul. p. 14.
Tkachou, Mikola. - Every evening; a story. p. 14.
Savik, A.I. - It's a great honor to be a Soviet farmer. p. 16.
New scientific discoveries and technological innovations. p. 17.
Stsiapanava, I. - How you should encourage and praise your children. p. 18.
New motion pictures. p. 18.
Charnyshevich, Arkadz - Lisaveta, excerpt from a novel. p. 20.
Rybak, Ales'. - A stranger. p. 22.
Lidskii, A.T. - Varicose veins. p. 23.
Made of potatoes. p. 24.

SOTSIALISTICHESKII TRUD [SOCIALIST LABOR]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po voprosam truda i zarabotnoi platy [State Committee of the Council of Ministers of the U.S.S.R. on Labor and Wage Problems] Moscow, vol. 8, no. 10, Oct. 1963.

Table of contents translated:

Kostin, L. - Soviet trade unions in the effort to increase labor productivity. p. 3.
Kokushkin, V. - Economic plan and labor productivity. p. 13.
Neronov, G. - Communist cooperation of collectives.
p. 21.

efficient
[illegible] assets.

Turchaninov, A. - Studying labor intensiveness aids in finding the best practice. p. 100.
Raskin, I. - Determining the time expended per unit of production in the branches of the primary processing of raw materials. p. 106.
Urzhinskii, K. - Job finding for youth in the U.S.S.R. p. 108.
A.E. - Important explanations of the Supreme Court of the R.S.F.S.R. p. 115.
Kuregian, V. - For a wider introduction of centralized freight conveyance. p. 121.
Guliaev, G. - Entries in the labor passport. p. 123.
From the editor's mail. p. 124.
Lerei, L., Eliseenkova, M. - Compensation for health damages sustained in connection with work. p. 129.
Answers to questions of automotive transportation workers. p. 139.
In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the All-Union Central Council of Trade Unions. p. 141.
Skobennikova, I. - Conference on using electronic calculating machines in accounting, planning, and statistical work. p. 143.
Conference-seminar of workers on labor in construction organizations. p. 146.
Survey of labor legislation. p. 149.
Sergeev, S. - Book on material incentives. p. 151.
Deviatkin, T. - Annoying deficiencies of a useful book. p. 155.
Books published by the Institute of Labor in the first half of 1963. p. 158.

SOVETSKIE PROFSOIUZY [SOVIET TRADE UNIONS]. Issued by Vsesoiuznyi TSentral'nyi Sovet Professional'nykh Soiuzov [All-Union Central Council of Trade Unions] Moscow, vol. 19, no. 18(276), Sep. 1963

Table of contents translated:

Editorial; Learn administration and management. p. 1.
Tiusin, V. - The worker's station is a state post! p. 2.
In honor of the 13th Congress of Trade Unions. p. 5.
Rodionov, M. - Be responsible for production. p. 6.
IAmpol'skaia, E. - Headquarters of popular initiative. p. 8.
Popov, V. - Establishment. p. 11.
Kruglikov, V., Tatarskaia, N. - Continuation of the legend. p. 12.
Follow-up of our materials. p. 16.
Saenko, G. - Labor and education walk hand in hand. p. 18.
Mitonov, R. - Does everything depend on a club? p. 21.
Zalesskii, M. - Disseminate the live word among people. p. 25.
Bol'shakova, M. - Comrade Klimov is right. p. 26.
Savvateeva, G. - New customs in a village. p. 27.
Bukov, Emilian. - The librarian. p. 29.
Lebedev, IU. - Plant and city. p. 30.
Okunev, Il. - Against religion, for man. p. 33.
Aleksandrov, I. - Peaceful coexistence and the class struggle. p. 36.
Dezhin, Vl. - Address on the last page. p. 39.
Nikol'skii, N. - Notes on books. p. 40.
TSeitlin, S. - And so the dispute has been solved,... p. 41.
Letters from the editor. p. 42.
Replies to our readers. p. 44.
Vershinin, Mikhail. - People of a bold life. p. 46.

c. SOCIOLOGY

AZERBAICHAN GADYNY [AZERBAIJAN WOMAN]. Issued by TSentral'nyi Komitet Kommunisticheskoi Partii Azerbaidzhana [Central Committee of the Communist Party of Azerbaijan]. Baku, no. 11, Nov. 1963. [In Azerbaijani]

KOMSOMOL'SKAIA ZHIZN' [LIFE OF COMMUNIST YOUTH]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin] Moscow, no. 14, July 1963.

Table of contents translated:

Prokop'ev, I. - Sow a habit.... p. 2.
Mushtaev, V., IUr'ev, V. - Comrade artist, be welcome! p. 4.
Kats, V. - The halt is very far, indeed.... p. 8.
Matveeva, L. - Bon voyage, madcaps! p. 11.
TSybul'skaia, Z. - When the cruse if over,... p. 12.
Abdunazarov, A. - Why the "street kings" reign. p. 15.
We don't need more "observers" (readers continue the debate). p. 17.
Andreev, O., Toshchenko, Zh. - Specialists are growing. p. 20.
The plenum started in the fields. p. 23.
Tiutikov, L. - Torn books, dusty accordion and "The magnificent seven." p. 24.
Travianskaia, V. - Sport does not like the indifferent. p. 26.
Find a remedy, do not give up.... p. 28.
Procedure of admitting youth to the Communist Youth League. p. 30.

No. 18, Sep. 1963.

Table of contents translated:

An important means of the ideological education of youth. p. 1.
Sharifov, A. - The breed of young internationalists. p. 5.
Ivanov, A. - An institute of the Communist Youth League. p. 7.
Petrenkov, A. - Registry office in a factory club. p. 8.
Razumovskii, V. - Satirical gun. p. 8.
Kulakova, T. - Workers learn foreign languages. p. 9.
Duel', I. - Severe is the law of the march. p. 11.
Vasil'eva, L. - A faithful friend of youth. p. 15.
Taborko, V. - For the adults with a red tie. p. 16.
For you, operators of the communist "search light." p. 17.
Answers of our readers. p. 17.
Kabaev, V. - A correct estimate. p. 20.
Kudin, M. - There is a lecture in our club today.... p. 21.
Questions and answers. p. 22.
Model subject plan for political groups on the topic "Communism as a practical task of our generation" p. 23.

No. 19, Oct. 1963.

Table of contents translated:

The Communist Youth League should give great care to the development of large-scale chemistry. p. 2
Topic plan for a school of the "Communist Youth League Searchlight" of an agricultural administration p. 3.
Stepanchev, L. - Strike the hands of the thieves, [illegible]
Pavlov, A. - How authority should be gained. p. 7.
Zaldiner, V. - A club of shock workers of communist labor. p. 9.
Zelenova, R. - The Communist Youth League enters poems p. 11.
Krasnov, IU. - A people's bookstore. p. 12
Mirfaizov, D., Petrochenko, A. - Propaganda at the machine. p. 13.
Gres'ko, A. - A rhythm of the Spartakiada does not stop. p. 15.
Kozak, Evgenii - How Ivan Loban' found himself p. 16
Chirva, A. - School desks should not be factories, schools for rural youth. p. 18.
Shatilov, A. - A student becomes an engineer. p. 24.
Rykov, P. - Reliable support. p. 26.
Report and election meetings. p. 27.
Model teaching plan. p. 28.

No. 20, Oct. 1963.

Table of contents translated:

The struggle for fertilizers is a struggle for bread! p. 1.
Grigor'ev, I. - Staff of the shock construction [illegible] of a chemical plant. p. 2.
Pompeev, IU. - We spend our youth beyond the Arctic Circle. p. 7.
Dust in your eyes. p. 10.
Myshenkov, B. - The road is a year and a half [illegible] p. 11.
Elchaninova, O. - This is friendship! p. 14.
Kravtsev, A. - Corners of Communist Youth League members. p. 16.
Novosolov, V. - Leader and educator. p. 17.
Travnikov, N. - Following the precepts of the first. p. 18.
Martinskii, E. - Published by "Molodaia gvardiia" p. 18.
Maslennikov, V. - From darkness to light. p. 20
Larin, V. - The memory of heroes summons us. p. 21
The prodecure for crossing above age members of the Communist Youth League register. p. 27.
A model teaching plan. p. 28.

No. 22, Nov. 1963.

Table of contents translated:

Golub', N., and others. - Irrigated lands are our wealth; secretaries of rural territorial committees of the Communist Youth League tell about the League's activities and plans. p. 2.
Belov, IU. - All should participate in the experiment of the best. p. 6.
Shishliannikov, M., Petropavlovskii, V. - What is an industrial training center? p. 10.
Smirnov, V. - And it's quiet again. p. 11.
Morozov, O. - The operational section should be more efficient! p. 14.
Loginova, N. - Sveta Runova is an "exceptional woman"; one day's work of the secretary of a city committee. p. 17.
Andreev, IUrii. - There are no meetings without songs. p. 21.
Zonal Communist Youth League,... p. 22.

[illegible] Letters from soldiers, [illegible] Central Committee of the Communist Youth [illegible] in the army. p. 30.
[illegible] The editor's comments. p. 41

[illegible] SEMLYAKY [UKRAINIAN WOMAN] [illegible] 11(115), Oct. [illegible]
[illegible]

[illegible] [UKRAINIAN WOMAN] Issued by the [illegible] Committee of the Communist Party of Ukraine] Kiev, no. 12, Dec. 1961. [illegible]

[illegible] [WOMAN OF MOLDAVIA] Issued by the Executive Committee of the Central Committee of the Communist Party of Moldavia] Kishinev, no. 12(110), Dec. 1961. [illegible]

[illegible] [WOMAN OF KAZAKHSTAN], Issued by the Executive Committee of the Central Committee of the Communist Party of Kazakhstan] Alma-Ata, no. 12, Dec. 1961. [illegible]

Table of contents translated:
[illegible] Let us work still better, p. 3.
[illegible] Report of the Central Committee of the Communist Party of Kazakhstan, p. 4.
[illegible] Let us raise the level of the leaders, p. 4.
[illegible] A. Alimkulova, K., Second youth of a soldier's wife, p. 6.
[illegible] We, the way we see it, p. 8.
[illegible] Letters from readers, p. 10.
[illegible] Sabyrbayeva, Khadia, Cybernetics beyond the horizon, p. 12.
[illegible] Let us work in the spirit of the resolutions of the 22nd Congress of the CPSU, p. 14.
[illegible] Akhaldiyev, p. 20.
[illegible] Let us develop the varied talents and [illegible] p. 24.
[illegible] Let us learn from [illegible], p. 30.
[illegible] p. 30.

[illegible] No. 12, 1961.
Table of contents translated:
[illegible] Report of the Central Committee of the Communist Party of Bulgaria to the 22nd Congress of the CPSU, p. 1.
[illegible] Let us work still better, p. 3.
[illegible] Let us raise the level of the leaders, p. 4.
[illegible] A., Alimkulova, K., Second youth of a soldier's wife, p. 6.
[illegible] We, the way we see it, p. 8.
[illegible] Letters from readers, p. 10.
[illegible] Sabyrbayeva, Khadia, Cybernetics beyond the horizon, p. 12.
[illegible] Let us work in the spirit of the resolutions of the 22nd Congress of the CPSU, p. 14.
[illegible] Akhaldiyev, p. 20.
[illegible] Let us develop the varied talents and [illegible] p. 24.
[illegible] Let us learn from [illegible], p. 30.
[illegible] p. 30.

[illegible] No. 12, 1961
Table of contents translated:
[illegible] Report of the Central Committee of the Communist Party of Bulgaria to the 22nd Congress of the CPSU, p. 1.
[illegible] Let us work still better, p. 3.
[illegible] Let us raise the level of the leaders, p. 4.
[illegible] A., Alimkulova, K., Second youth of a soldier's wife, p. 6.
[illegible] We, the way we see it, p. 8.
[illegible] Letters from readers, p. 10.
[illegible] Sabyrbayeva, Khadia, Cybernetics beyond the horizon, p. 12.
[illegible] Let us work in the spirit of the resolutions of the 22nd Congress of the CPSU, p. 14.
[illegible] Akhaldiyev, p. 20.
[illegible] Let us develop the varied talents and [illegible] p. 24.
[illegible] Let us learn from [illegible], p. 30.
[illegible] p. 30.

[illegible] [SOCIAL SECURITY], Issued by the [illegible] Ministry of Social Security of the R.S.F.S.R.] Moscow, no. 24, 1961, Sep. 1961.
Table of contents translated:
[illegible] Let us attend to man, p. 1.
[illegible] A., Everything changed for the better, p. 4.
[illegible] V., Initiative, p. 6.
[illegible] Results of the lack of control, p. 10.
[illegible] Are the district and city pensioner [illegible] p. 12.
[illegible] Every distinguished collective farm worker [illegible] p. 15.
[illegible], I., When there are many assistants, [illegible]
[illegible] The number of claims has decreased, p. 16.
[illegible], A., Under what conditions are old-age [illegible] awarded with insufficient length of service, [illegible]
[illegible] Committee for three enterprises. [illegible]

Shatunov, R., Good aid, p. 21.
Vekhrushev, I., Kholman, R., By common efforts, p. 24.
Simonov, P., We share our experience, p. 26.
Lunkov, P., Services of the specialists are improving, p. 28.
Romanov, I., What a field conference gave us, p. 29.
Khodyakin, D., Shatunov, N., Lubenkov, N., Public property is in safe hands, p. 30.
Ivanova, N., Let's clean all cracks, p. 32.
Galyutin, Dubkalov, A garden house will be here, p. 35.
Kirilov, P., Way to life, p. 36.
Kondrashova, P., Brigade of friends, p. 42.
Nadelyakova, R., Why is there such red tape? p. 45.
Sivakov, A., On the overtime shift, p. 46.
Conference at a plant, p. 48.
Galtsova, G., Special aspects of granting pensions to persons working in religious organizations, p. 51.
Lembakh, V., Sazonov, V., Development of social insurance in the countries liberated from colonial dependence, p. 59.
Bikkin, M., Pension coverage in Chile, p. 62.

UKRAINETS [UKRAINIAN DOPOMOHOVE OPYTNE DNANNIA V AVSTRII Bulletin [UKRAINIAN CENTRAL RELIEF ASSOCIATION IN AUSTRIA Bulletin], Salzburg, no. 64, July-Oct. 1961.

ZHENSHCHINY MIRA [WOMEN OF THE WHOLE WORLD] Journal of Mezhdunarodnaia demokraticheskaia federatsiia zhenshchin [Women's International Democratic Federation]. Berlin, no. 11, 1961.
Table of contents translated:
Archbishop, A., Program of the architects of communism, p. 3.
A meeting of the Women's International Democratic Federation, p. 7.
News from everywhere, p. 7.
Disarmament, the most important question of our time, p. 8.
Pauling, Linus, The Oslo Conference, p. 9.
An interview with the universal German Tkov, p. 10.
Arvigbi, Okito, Symbol of the new Mongolia, p. 11.
Sheet, Bruce, Tomorrow you will be a man, p. 15.
Schlimme Probleme, Wilhelmine, The same people the same methods..., p. 16.
Hiratsuka, Raicho, Rose Takamine, p. 19.
Our books, p. 20
Duvl, Mirnoje, War is a disgraceful anachronism, p. 20.
Janowich, Rosa, The World Youth Forum, p. 22.
Schmidt, Dorothy, Friendship, The national emancipation of the Mali Republic, p. 23.
Messengers of peace, p. 27.
Zimmer, Hedda, The ballad of Ravensbrück, p. 28.
"Chuk and Gek"; a Soviet motion picture, p. 30.
Women's quest, p. 31.
A fog the wrong way round; short stories, p. 32.

No. 12, 1961
Table of contents translated:
Events that will never be forgotten, p. 4.
The stamp of hosts p. 8.
Disarmament is the most important problem of our time, p. 9.
Letters to the editor, p. 10.
Ziegler, Gillette, Morocco in 1961, p. 11.
Jordan, a letter from Miriam, p. 15.
Satano, Jacko, Grow up free and unhindered! p. 16.
Ben, Chiba, Ramendoori Nekru, a charming and wonderful woman, p. 18.
Stepanov, N. I., Mikhail Lomonosov, greatest geniuses, p. 20.
Marcos, Ana, My heart is a prisoner, p. 21.
Chechelnitskaya, Karolina, Poems
Ambatielos, Betty, In Greek prison
O. M., Christmas and New Year's condition of the world, p. 2
Why everyone has a tiny need of motion picture cartoons, p. 30.
A New Year's gift for children, p.
"They tried and were convicted; a

6. POLITICAL SCIE

AGITATOR [AGITATOR], Issued by the Kommunisticheskoi partii Sovet [Central Committee of the Commu Soviet Union], Moscow, no. 21, N

Table of contents trans
Editorial: Glorify the country by
Popov, IU., Proletarian internati banner, p. 6.
Benavides, Anibal, Inspiring e
Kuznetsov, B., International rev

Durokhov, A., Not state but people's property, p. 16.
Cheranyshev, P., Pulling up, helping, inspiring, p. 21.
Waves of the new "ocean," p. 35.
Kazakov, V., Our country's artillery power, p. 37.
Strengthen the fighting spirit! p. 39.
Korendrkit, M., Savchenko, I., Search for the new, p. 42.
Lebedev, A., The oral newspaper "Ranka zhizn'," p. 30.
Peglivel', G., The rainbow over the steppe, p. 37.
Nadzhmovskii, M., A cordial man, p. 40.
Head teacher and educator, p. 42.
Pankin, A., Volzman, D., Advantages of specialization, p. 44.
Mikhailov, V., The contribution of Tatar chemists, p. 48.
Sazonova, L., Wages on collective farms, p. 49.
Stepankin, I., A bureau of technical standards, p. 53.
Dyatlenev, A., Bitten can be observed in this way..., p. 56.
Dupan, I., Helping people is a great pleasure, p. 58.
Kovenbitkov, P., Postal service for collective farms, p. 59.
Frid, L., A club of war heroes, p. 59.
Ilupin, I., Truth about the Kiev Monastery, p. 59.
Along the road of creation; notes on contemporary Soviet prose, p. 60.

No. 23, Nov 1963.
Table of contents translated
Editorial: Raise the efficiency of production persistently, p. 3.
Educate agitators as political fighters, p. 6.
Rubau, B., Marxism-Leninism in operation; publication of the multivolume "History of the C[illegible]50," p. 9.
Predvoditelev, A. S., "Controlled space vehicle," p. 12.
Zagorulko, ..., Our people's government U.S.S.R. Constitution Day, p. 15.
Great changes Africa Day, p. 16.
Tolia, S., Plus-cure for man in the foreground, p. 20.
Lipatova, M., The persistent prevail, p. 24.
Borovikov, V., Fighting weapons, p. 26.
Bolikov, V., Morning dawns in the steppe, a sketch, p. 30.
Khristoliubova, E., Kondratenko, A., To full capacity p. 33.
Gol'tsov, A., Generous hectares, p. 38.
Stop the losses of grain! A review of letters received by the editor, p. 40.
Sukhanovskii, R., Reydil, B., An examination into the world of chemistry; a report on the Exhibition of the Achievements of the National Economy, p. 43.
Mezentsev, V., Beautiful, durable, inexpensive, p. 46.
Lebedev, A., Sorin, IA., The quality of products should be excellent, p. 49.
Shchetinin, S., An unused institute, p. 53.
Letters, information, comments, p. 54.
Hit the mark, p. 56.
Dankakov, I., Exchange of information in South Vietnam, p. 59.
For your notebook; In the service of monopolies, p. 60.
Dictionary of chemical terms, p. 63.

EESTI KOMMUNIST [COMMUNIST OF LATONIA], Issued by Eestimaa Kommunistlika Partei Keskkomitee [Central Committee of the Communist Party of Latonia] Tallinn, vol. 19, no. 13, Dec. 1963. [In Estonian]

KOMMUNIST [COMMUNIST], Issued by TSentral'nyi [illegible] Kommunisticheskoi partii Sovetskoge Soiuza

Ionova, G., Ugriumov, A. - The Russian proletariat on the road toward the October Revolution. p. 121.
Motylova, T. - Legacy of a poet and revolutionary. p. 123.
"We should go into the facts of ideological life more thoroughly." p. 127.

KOMMUNIST [COMMUNIST]. Organ of the Central Committee of the Communist Party of Kirghizia. Frunze, vol. 37, no. 11, Nov. 1963. [In Kirghiz]

KOMMUNIST ESTONII [COMMUNIST OF ESTONIA]. Issued by TsK Kompartii Estonii [Central Committee of the Communist Party of Estonia] Tallinn, vol. 19, no. 11, Nov. 1963

KOMMUNIST MOLDAVII [COMMUNIST OF MOLDAVIA] Issued by TSentral'nyi Komitet Kommunisticheskoi partii Moldavii [Central Committee of the Communist Party of Moldavia]. Kishinev, vol. 8, no. 9, Sep. 1963

Table of contents translated.

Reports and elections in the party organizations of the Moldavian Republic. p. 3.
Petrik, P. - Party organizations should give their constant attention to the "communist labor" competition of rural toilers. p. 8.
Bobichev, M., Vizer, B. - A bright page in the history of the building of communism. p. 14.
Zanoga, V., Eremila, G. - The years of rapid development. p. 24.
Bolfa, G., Zavaniuk, G. - Results of selfless labor. p. 29.
The Communist Party of Moldavia in figures. p. 33.
Semenovskii, O. - Revolutionary writer and journalist. p. 39.
Pecherskii, IU. - Bionics and its future. p. 44.
Adamov, O., Sushkova, A. - The code of communist ethics. p. 49.
Kaplunenko, F. - Scientific and religious ideology. p. 61.
Guseva, D. - Two maple trees. p. 76.
Recommended literature for political lecturers, propagandists, and the students of political schools. p. 80.

KOMMUNIST SOVETSKOI LATVII [COMMUNIST OF SOVIET LATVIA] Issued by TSentral'nyi Komitet Kommunisticheskoi partii Latvii [Central Committee of the Communist Party of Latvia]. Riga, vol. 19, no. 12, Dec. 1963.

KOMMUNIST UKRAINY [COMMUNIST OF THE UKRAINE]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine] Kiev, vol. 38, no. 11, Nov. 1962.

Table of contents translated

Let us promote and develop public participation in the work of governmental agencies and industrial enterprises p 3
Vishnevetskii, I - Economic foundations of the elimination of class distinctions. p. 10.
Zaglada, N G - Some remarks on the Communists in rural areas p 19
Motorniuk, N - Our schools and the formation of the new man p 26
Ladui, M. - Beauty is a companion of our lives. p 34
TSybul'skii, M. - A "workshop" of propagandists. p. 43.
Zemlianko, D. - Our fresh reinforcements. p. 48.
Podysotskii, E., Furman, V. - Supernumerary instructors of a district party committee at work. p. 54.
Zlotina, M. - Principal characteristics of the law of the negation of negation p 60.
The Bolshevik Party in the Revolution of 1905-1907. p. 69
Struggle of the party for the socialist industrialization of our country and its preparations for the complete collectivization of agriculture, 1926-1927. p. 73.
Voskresenskii, A., Rybalka, I. - A few words about the interpretation of some problems in the history of Bol'shevik organizations in the Ukraine. p. 77.
Chernikov, I. - Great friend and teacher of the Oriental peoples. p. 84.
Luzgan, S - Glory to work! p. 87.
Dziubko, I. - Scholarly investigation of important problems in the development of the institutions of higher education. p 89.
Bogachenko, A., Veselago, V., Shikhaleeva, A. - A new book on the history of economic theories in the Ukraine. p. 91.
Brief reviews of new books. p. 95.

KOMMUNISTI TOCHIKISTON [COMMUNIST OF TAJIKISTAN]. Issued by the Central Committee of the Communist Party of Tajikistan Dushanbe, vol. 28, no. 12, Dec. 1963. [In Tajik]

KOMUNIST UKRAINY [COMMUNIST OF THE UKRAINE] Issued by TSentral'nyi Komitet Komunistychnoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine] Kiev, vol. 39, nos. 11-12, Nov.-Dec. 1963. [In Ukrainian]

KOMUNISTAS [COMMUNIST]. Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, no 11(473), Nov 1963. [In Lithuanian]

LENINIAN UGIOV [LENIN'S WAY] Issued by TSentral'nyi Komitet Kommunisticheskoi partii Armenii [Central Committee of the Communist Party of Armenia] Erivan, vol. 42, nos 11-12, Nov.-Dec. 1963 [In Armenian]

MEZHDUNARODNAIA ZHIZN' [INTERNATIONAL LIFE] Published by Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii [All-Union Society for the Dissemination of Political and Scientific Knowledge]. Moscow, vol. 10, no. 11, Nov. 1963.

Table of contents translated

Karkhin, G. - Proletarian internationalism and socialist economy. p. 3.
L'vov, M. - Tribune, forum, and arena of struggle. p. 13.
Koenig, Johannes. - German Democratic Republic: Peaceful foreign policy. p. 22.
Zamoshkin, IU. - Under a gigantic press. p. 30.
Glagolev, I., Larionov, V. - Peaceful coexistence and the defense power of the U.S.S.R. p. 39.
Beknazar-IUzbashev, B. - Dreams of greatness and the atomic bomb. p. 49.
Kudriavtsev, V. - Hopes and anxieties of the African continent. p. 57.
Solodovnikov, A. - In different languages. p. 66.
Aptheker, H. - Ideological basis of the U.S.A. foreign policy. p. 76.
IUr'ev, E. - Invasion of colonialist "ideas" in Latin America p. 80.
Onushkin, V. - Invention industry" serves war business. p. 87.
Popov, V. - The price of nearsighted policy p 96.
Chigir', N. - The hopes of the enemies will not come true. p. 104.
Talenskii, N. - A conference of scientists. p. 105.
Agarkov, V. - For the triumph of peace and progress. p. 106.
Hoffenni, Z. - Perfecting the leadership. p. 107.
Khomutov, N. - New negotiations on nuclear weapons. p. 108.
Kartsev, A. - The political situation becomes tense again. p. 109.
Olbrycht, J. - The first communist labor farm. p. 109.
Kalt, L. - The "parting" in Bonn. p. 110.
Astakhov, S. - A new center of tension. p. 111.
Mikusen, I. - Promising words, but where are the deeds?... p 112
Kondrat'ev, V. - With the old luggage. p. 113.
Egorova, N. - The smashed "show case." p. 115.
Ioliysh, A., Romanov, V. - About the past for present-day readers. p. 116.
Aleksandrova, N. - American imperialism and the Cuban revolution. p. 119.
Gerasimov, G. - Confused premises and forced conclusions. p. 121.
Tuzmukhamedov, R. - A military episode or direct aggression? p. 124.
Bodrova, V. - Growth of the cultural level in the socialist countries. p. 128.
Petrov, V. - Monopolies and the foreign policy of Great Britain. p. 130.
Ivanov, IU. - French military agreements with African states. p. 132.
Beneslavskii, D. - Bonn's colonial aspirations. p. 133.
Ivanov, IA., Mikhailov, IU. - The "great leap" in the Chinese economy and its consequences. p. 134.
Khalin, F. - The people's front of the struggle for the liberation of South Vietnam. p. 137.
Mosin, I. - The dollar crisis. p. 138.
Varyshnikov, V. - Kenya attains freedom. p. 139.
Consultation. p. 141.
Methodical advice. p. 142.
Atatürk, Kemal. - Russian people as a sincere and genuine friend of our country. p. 145.

MOLODOI KOMMUNIST [THE YOUNG COMMUNIST]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 9, Sep. 1963.

Table of contents translated:

Strokov, G. - What makes a man happy. p. 3.
Gafurov, M. - Dominators of the sorceress. p. 12.
Agarkov, V. - The living soul of Marxism. p. 18.
Leont'ev, V. - What is incompatible is incompatible. p. 24.
IUnina, L. - When you are a member of the Communist Youth League. p. 32.
Marchik, G. - While my heart beats. p. 36.
Pidtilok, P. - The lever of Archimedes. p. 41.
Sapunov, A. - Leaning on the shoulders of machine. p. 46.
Svetlikov, A. - Control commissions in the Communist Youth League. p. 55.
Chachin, V. - Thus the captain taught us. p. 62.
Dadykina, N. - Friend, we shall help you! p. 65.
Bobrov, L. - Navigators of the new era. p. 71.
Chudnenko, V., Zakharchenko, V. - Engineers at school desks.... p. 76.
Muzyria, A. - Twelve-year-old teachers. p. 81.
Zinovenko, E. - The Lenin room. p. 81.
Ovsiannikov, L. - When the encyclopedia makes an error. p. 85.
Osmanov, A. - "Men's business." p. 88.
Volkova, L. - It happened in a famous city. p. 90.
Varfolomeev, A. - 1:0 in our favor. p. 92.
Kulikova, L. - Answering the letter of an unknown girl of Tyumen! p. 94.
Filenkov, I. - There where indulgence reigns. p. 100.
Kulmatov, K. - In the constellation of fraternal republics. p. 101.
Shapko, V. - At the beginnings of the Russian Social Democratic Party. p. 106.
Shaumian, L. - Twenty six. p. 108.
Aruttuniants, G. - Rush into eternity. p. 110.
Vershubskii, G. - Why we "flunk" in swimming. p. 112.
Krivoruchenko, V. - In the country where the dollar rules. p. 115.
Kuznetsova, O. - Reminiscences on Ernst Thelmann. p. 124.
Morkulov, Andrei. - Hero of the clear sky. p. 126.

NOVOE VREMIA [NEW TIMES]. Moscow, vol 71, no. 46(964), Nov. 1963.

Table of contents translated:

Our commentaries. p. 1.
Brutents, K. - Close cooperation between the forces of world socialism and the national liberation movement. p. 4.
Konstantinov, F. - Man and the age. p. 7.
Bakirov, E., Taglev, E. - The search for oil in Brazil. p. 10.
Roberts, Holland. - Our Soviet neighbor. p. 13.
IUr'ev, IU. - The French and the "stabilization plan." p. 14.
Hernandez, Ruben. - The tragedy of Ecuador; a letter from Quito. p. 16.
Zotov, G. - What is the General Agreement on Tariffs and Trade? p. 18.
People and events:
Zenon Nowak. p. 19.
Per Hoekkerup. p. 21.
Boris Velchev. p. 28.
International notes. p. 20.
Pavlenko, A. - Among Mexican workers. p. 22.
Rozen, V. - Why the Stinnes's went bankrupt. p. 25.
Novyi, V. - The tale about a squeezed lemon; a feuilleton. p. 27.
Sedin, L. - Captain of the "labor war", a book review. p. 29.
Brief news on international events. p. 32.

Vol. 21, no. 47(965), Nov. 1963.

Table of contents translated

Sovremennik. - Seething continent. p. 1.
The Soviet Union and Iran; comments. p. 3.
Osipenko, N. - The Common Market balance sheet (to be continued). p. 4.
Bochkarev, IU. - Bankruptcy of the Baathists. p. 6.
Dal'nov, V. - The people and parliament. p. 8.
Sedykh, V. - The Peace Week in France. p. 11.
People and events:
Saw Myint; Georgios Andreou Papandreou, Sofoklis Venizelos. pp. 13, 31.
Semin, D. - Problems upsetting New Zealand. p. 14.
Labor movement: Valasco, Jose. - The story of an Asturian miner. p. 16.
Laws and generals. p. 17.
Shiblin, P. - The battle within Venezuela. p. 19
International notes. p. 20.
Listov, Vadim. - Camilo Cienfuegos, hero of Cuba. p. 22.
Shishzhenova, M. - A visit to the Cardiff artists. p. 27.
Borshchagovskii, Aleksandr. - Immortality; a book review. p. 28.
Brief notes on international events. p. 32

Vol. 21, no. 48(966), Nov. 1963.

Table of contents translated:

Editorial: The platform of the Communists. p. 1.
Our commentaries. p. 3.
Sovremennik. - Who killed President Kennedy? p. 5.
Soviet public figures on the vicious murder of President Kennedy. p. 7.
Sidenko, V. - Africa wants peace. p. 8.
Slavin, G. - The 1943 events in Yugoslavia. p. 10.
People and events:
Lyndon Baines Johnson; Bjarni Benediktsson. pp. 12, 17.
Peshkov, Vl. - The "grey giant." p. 13.

Primakov, E. - Congo as an arena for new provocations. p. 16.
Il'in, B. - A "power crisis" in Italy. p. 18.
Pozen, V. - Manners of the "free world" Landlords are robbers. p. 21.
International notes. p. 22.
Serebrennikov, R. - Mali looks ahead. p. 24.
Chkunov, A. - An encounter with German artists. p. 26.
Perezhkov, V. - The unsolved mystery of Pearl Harbor, book review. p. 28.
Brief news on international events. p. 32.

Vol. 21, no. 50(968), Dec. 1963.
Table of contents translated:
Editorial. This is a concern of the whole nation. p. 1.
Our commentaries. p. 3.
Bochkarev, Iu. - Offensive against racialism. p. 4.
Kotov, M. - Toward a great goal. p. 7.
People and events:
Keith Jacka Holyoake, Aldo Moro; Giuseppe Saragat. pp. 10, 22.
Sikirko, V. - Independent Kenya, her past and future. p. 11.
Il'inov, B. - The real nature of revanchism. p. 13.
Leont'ev, B. - Background of the American way of life; from the pages of the foreign press. p. 16.
Usenko, E. - New trends in the trade of the socialist countries; answers to readers' questions. p. 18.
Rix, M. - Nazi trash in Australia. p. 19.
Mirskii, Z. - A new political situation in Greece. p. 20.
International notes. p. 23.
Feofanov, Iu. - A city afloat. p. 26.
V.G. - Manners of the "Free world": The secret of success. p. 29.
Semenov, S. - Encounter with Brazil; a book review. p. 30.
Brief news on international events. p. 32.

Vol. 21, no. 51 (969), Dec. 1963.
Table of contents translated:
Editorial: Construction and peace. p. 1.
Fedorenko, N. - Human rights. p. 3.
Mel'nikov, D. - Some results of the "Adenauer era." p. 4.
Our commentaries. p. 7.
Shchedrov, I. - The liberation war in South Vietnam. p. 8.
Bystrov, G. - What's happening to the dollar? p. 10.
Baikinov, Ivan. - Bulgaria's foreign trade. p. 14.
Zilliacus, Konni. - The "Round Table Conference." p. 16.
Leblanc, Paul. - Student unrest in France. p. 17.
People and events.
Chukwemuka Okeke Ikeagwu, Phan Anh; Jomo Kenyatta. pp. 18, 23, 26.
Aizman, Iu. - "Bantustans," a new venture of the racialists. p. 19.
Odagawa, K. - The benevolent people from the Port of O-o. p. 21.
Peters, G. - Dutch monopolies without colonies. p. 22.
International notes. p. 24.
Mazurenko, S. - In an Iranian village. p. 27.
Novyi, Vl. - Dallas and "Dallas sharks." p. 30.
Manners of the "free world":
I.A. - The Walcott case. p. 32.
Uniting with art. p. 33.
Brief news on international events. p. 34.
Declaration of the National Liberation Front on the situation in South Vietnam after the coup d'etat of November 1, 1963 (insert). p. 35.

Vol. 21, no. 52(970), Dec. 1963.
Table of contents translated:
Editorial: Outlook for the future. p. 1.
Paleckis, Justas. - The outgoing year. p. 3.
Bezymenskii, L. - Americans and the Soviet Union. p. 5.
Il'in, B. - What is ailing the Catholic Church. p. 9.
People and events.
Hadj Ben Alla; Ludwig von Moos. p. 12.
Syid Djamshid bin Abdullah. p. 21.
Bochkarev, Iu. - Political climate south of the Rio Grande. p. 13.
Zholkver, A. - A dialogue across the border. p. 16.
Rovinskii, L. - Knights of success. p. 18.
Weddis, Jack. - A failure of neocolonialism. p. 19.
Artamonov, M. - Brazil: Prospects of the agrarian reform. p. 22.
Pavlova, M., Faktor, G. - The Brussels marathon. p. 24.
International notes. p. 26.
Borchett, Wilfred. - The war in the jungle. p. 29.
Manners of the "free world: Dealers in air. p. 31.
Priester, Eva. - The forests of Algeria. p. 32.
Freeman, Harry. - The fusion was not accomplished. p. 34.
Brief notes on international events. p. 36.
N.S. Khrushchev's answers to questions asked by the editors of the newspapers "The Ghanaian Times," "Alger Republicain," "Le Peuple," and "Botntaung." p. 37.
Table of contents of the periodical "Novoe vremia," 1963. p. 47.

PADOMJU LATVIJAS KOMUNISTS [COMMUNIST OF SOVIET LATVIA] Issued by Latvijas Kommunistiskas partijas Centrala Komiteja [Central Committee of the Communist Party of Latvia] Riga, vol. 19, no 12, Dec. 1963, vol 19, no 1, Jan 1964. [In Latvian]

PARTIIA TURMUSHI [PARTY LIFE]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, nos. 10-11, Oct -Nov. 1963. [In Uzbek]

PARTIINAIA ZHIZN' [PARTY LIFE]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, no 21, Nov. 1963.
Table of contents translated
Following the road of Lenin p 3.
Party conferences and congresses. p 9
Bugaev, E - Ideological support for the building of communism p. 14
Sulgakov, A - Party discipline and the education of the masses p. 23
Balakishiev, N - The young city of chemistry p 30
TSaruk, A - Business accounting in construction p. 35
Filisteev, E - The best open-hearth furnace in Russia p 38.
Consultation Kozyrev, F , Sergeev, K - The primary party organization of a collective farm. p 40.
Zaitsev, V., and others. - Inacceptable procedure. p 48
Letters and comments Skachko, V - A substitute of the bureau of the party district committee p 50
Velvelko, M - How many commissions do you have to accept? p. 51
Answers to questions Calculation of party membership dues. p. 53.
Bratchenko, I - Service to men p 55
Lingushev, N. - Peoples' universities of technical progress. p. 58.
Tursunov, R - Evening lectures on economic analysis p. 59.
Dubrovin, V - Reception hour. p. 62.
Vorob'ev, G - Agriculturist p 64
Lokhtinen, Inkeri. - Protecting and expanding democracy p 69.
In a large and friendly family. p 73.
The right of way. p. 75.
TSvetkov, N. - They are always late p. 78.
Party news. p. 79

No. 22, Nov. 1963.
Table of contents translated:
Editorial: Collective work is a guarantee of correct leadership. p. 3.
Ermin, L. - Verification of the carrying out of decisions and the education of specialists. p. 8.
Work of party groups in enterprises and on construction sites of Magnitogorsk city. p. 15.
Golopetov, I. - Chemists in the struggle for technological progress. p. 18.
Fedinin, V., Nikitin, D., Tarasov, E. - Workers at the Novomoskovsk [Chemical Plant] are setting an example. p. 22.
Savostin, V. - Urgent problems of agriculture on virgin lands. p. 27.
At party conferences:
Tokar', V. - Increase the activity of the masses. p. 33.
Kolobov, V. - Groups of specialists in industrial management are growing. p. 38.
Party-state control
Kovalev, V. - Fulfilling the instructions of the collective. p. 40.
Guseinov, N., Agaev, A. - After the signal, concrete measures should be taken. p. 44.
Virumurm, L. - In close contact. p. 46.
Vlstunov, E., Zapadalov, I. - Matriculation certificate. p. 49.
Boginskii, I. - Educate, while teaching. p. 52.
Mukvich, G. - Atheistic meetings. p. 55.
Correspondence with readers:
Khokhlov, A., Gerasimova, P. - Meetings and lessons in continuously working enterprises. p. 57.
Chukarin, P. - Heavy burden. p. 60.
Hron, Pavel. - People's control. p. 65.
Vorozheikin, I. - Great and important responsibility. p. 70.
Makarov, F. - Ensuring efficiency. p. 72.
Newspaper articles, a review. p. 74.
New books. p. 74.
Kalugin, G. - Pettifoggers. p. 76.
Party news. p. 79.

No. 23, Dec 1963.
Table of contents translated
Editorial Protect and increase the people's prosperity p 3.
Mzhavanadze, V - Good specialists are a basis for success p. 8.
Polkunov, L - On the right way p. 15.
Work practice of party organizations in Stalino Province machinery plants in improving the quality of output p 24.
Winter worries of stockbreeders p. 26
Vigilant protection of party documents p. 28.
Sidorov, G - The experience of innovators should be shared by all. p. 30.
Kucherenko, M., Trofimov, A. - Chemistry as a fighting ground. p. 32.
Kubeshev, D - The future of Karabogazgol p. 35
Surganov, F. - Stress the role of production administration councils. p. 37
Bashkatov, V - Voluntary participation [in party work] is growing. p. 43
Asanov, P , and others. - Everything continues in the old way, an annotated letter. p 45.
Correspondence with readers
Svshchikov, M. - Voluntary and obligatory. p. 48
Volchek, Z - 'Report it to the director. . ." p. 49.
Answering questions Kolnikov, I. - Who is entitled to receive membership fees? p. 50
Bazhenov, M., Klinshin, G - A working meeting. p. 51.
Znamenskii, Iu. - Technical means of propaganda p. 55.
Extend the development of ideological work; a review of letters. p. 57
Stepanov, I. - The principal duty. p. 63
Shumakov, A. - Study the inquiries of radio and television audiences p. 67.
Kucherenko, M. - A book of inadequate value. p. 70.
Popov, V. - For the party activist group. p. 71.
Baturin, F. - At a Siberian construction site. p. 74.
Why the stars stopped shining? p. 75.
Makhinin, A. - A man who couldn't be checked. p. 76
Party news. p. 78.

No. 24, Dec. 1963.
Table of contents translated
Editorial An important stage in the development of the country's economy. p. 3.
Bulgakov, A. - Raise the level of the trade unions' organizational work. p. 8.
Eshtokin, A. - Workers' participation in industrial management. p. 15.
Blazhnik, I. - Atheistic education is a concern of the whole party. p. 21.
Those who attended the Plenum of the Central Committee of the CPSU speak. p. 27.
Golikov, K. - The country expects a good return. p. 27.
Denisov, A. - Initiative and persistence of communists are the decisive factors. p. 29.
Kroshilov, A. - Support the creativeness of the masses. p. 32.
Li, Liubov', - Fertilizers mean a perceptible increase of crops. p. 33.
Iakovlev, E. - In the vanguard of a collective. p. 35
Rakhmanin, B. - The neighbor's shoulder. p. 37.
Annotated letter: Ivanov, I. - The placing of communists in an enterprise. p. 41.
The ideological section of a party committee. p. 43.
Kaniukov, A. - Warmed soil. p. 54.
Benkei, András - Political instruction in villages. p. 58.
Tumanov, A. - Friendly relations with the chemists. p. 63.
Chuprynin, I. - Local radio broadcasting deserves attention and help. p. 65.
Ekimov, M. - Propagandize and organize. p. 67.
Solontsev, A., Shcheikunov, A. - Comrade Pakhomov needs our help. p. 69.
Krasnikov, B., Filatov, A. - A letter to the editor of "Partiinaia zhizn'". p. 70.
People's control in operation. p. 70.
Why Aleksandr Chekushkin wanted to leave? p. 70.
Party news. p. 70.
Index of articles and materials published in the periodical "Partiinaia zhizn'" for 1963. p. 72.

No. 1, Jan. 1964.
Table of contents translated:
Editorial: Toward higher achievements. p. 3.
Protozanov, A. - Consolidate party and state discipline. p. 8.
Karataev, I. - Further development of operating chemical plants. p. 15.
Potekhin, M. - Select and educate specialists in the Lenin way. p. 22.
Maslov, I. - The party committee and junior agricultural personnel. p. 31.
Tolstov, V. - Purposefulness. p. 36.
Ermakov, M. - The communists of our mine. p. 40.
Korolev, A. - The party's care of youth. p. 43.
Annotated letters:
Marin, I. - Groundless reproach. p. 48.
Kinzhegalimov, A. - Demotion in office,... p. 49.

Answers to questions Party committees with rights of a district committee. p 50
Zaichkov, V - Knowledge of chemistry must be made accessible to the masses. p. 52.
Kovalenko, A - Visual propaganda on collective farms. p. 57.
Chumikov, S - Wall press in progress. p. 59.
Surazov, K - Hand in hand. p. 60.
Marrant, Georges. - The 'red belt" of Paris. p 67
Voronsov, V. - V. I Lenin on the work of the soviets. p 73.
Zasorin, V. - When the fate of a communist is being decided p 77
Party news. p. 79.

PARTIINAIA ZHIZN' [PARTY LIFE] Issued by TSentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan] Tashkent, vol 5, no 10, Oct 1962

Table of contents translated

A new document of V. I. Lenin p 3
We should efficiently manage our industrial enterprises and build our construction projects p 17
Zaidov, M - Important phase in the life of party organizations p 23
Kamalov, U. - Closer to vital objectives of the building of communism p 29
Rizaev, A. - A city party committee and local organizations. p. 33
Give constant attention to the education of young specialists p. 36.
Umarov, T - A regional agricultural administration is facing a difficult test p. 41.
Solianko, G - Green light for legumes! p. 45
Mamtkulov, S. - There is the cotton of Mirzachul', dear motherland! p. 48
Radzhabov, Sh. - It's a great honor to be a cotton grower p. 51.
Klimachev, V - Voluntary policemen maintain law and order. p 53
Pak, B. - A volunteer design bureau. p 56.
Khalin, M. - For the construction of cheap, durable, and beautiful buildings p 58
Rudenko, M. - New members of our party bureau have zealously begun their work p. 61.
Kadyrov, M - We should economize as much as we can p. 63
Ulugdzhanov, N. - The "Communist Youth League Searchlight." p. 66.
Avezov, R., Khromov, IU. - Let us exploit all hidden potentialities! p. 68.
IUdanov, A. - Those who march at the forefront p. 70.
Palatskii, M. - Organizer of the masses. p. 74.
Vodolazskii, A. - Collective work is the highest principle of party guidance. p. 76.
Breslavskii, A. - The authority of leaders. p. 83.
Zhdanov, G. - Local party organizations of regional agricultural administrations. p. 87.
Abdurakhmanov, A - A new historical study on the press of Uzbekistan. p. 91.
Party news. p. 95.

Vol. 6, no. 6, June 1963.

Table of contents translated:

Editorial: The labor force must receive a thorough ideological education. p. 3.
The 60th anniversary of the Second Congress of the Russian Social Democratic Party. p. 9.
Rakhim, I. - Party principles should be a weapon of the motion-picture artists. p. 14.
Artykov, A. - For a dynamic atheistic propaganda. p. 18.
Umarov, A. - Educate active fighters for communism. p. 22.
Nasyrkhodzhaev, S. - Summing up the results of the school year.... p. 26.
Give care and attention to agricultural workers. p. 29.
...ion of Cen-
...haya
...ful.
...ition.
...rs.
...its
..., 64.
...ami-
...of
...74.
...nce

Umarova, M. - Party organization of a section. p. 79.
Mamedov, I. - Silence is also a suppression of criticism. p. 80.
Artem'ev, N. - A good trace on earth. p. 82.
IUdanov, A. - Heart open to people. p. 85.
Ulugdzhanov, N. - A true leader. p. 88.
Vodolazskii, A. - Reference book for a communist. p. 92.
Tadzhiev, Z. - "In the depths of life." p. 93.
Newspapers of the conquerors of virgin lands. p. 94.
Party news. p. 95.

Vol. 6, no. 10, Oct. 1963.

Table of contents translated

Editorial Reports and elections in party organizations. p. 3.
Krasnikov, B. - A faithful helper of the party. p. 9.
In the Presidium of the Central Committee of the Communist Party of Uzbekistan. Discussion on Mamadzhan-ata Tashmatov's article "Your honor, cotton grower!" p. 11.
Tashmatov, M. - Your honor, cotton grower! p. 15.
Vasil'ev, A. - This is our duty. p. 21.
Khudaybergenov, M. - Progressive practice should be introduced into production. p. 27.
Ishankulov, R. - Mobilize all forces for the fulfillment of commitments. p. 30.
Islamov, M. - With the youthful enthusiasm of a komsomol. p. 32.
Kuchlavtsev, V. - With a firm step. p. 34.
Tukan, S. - Guards of the cotton fields. p. 39.
Hold high the banner of the pre-October competition. p. 42.
Subscription to newspapers and periodicals is an important political campaign. p. 44.
Zasypkin, E. - Efficiency is the most important factor in political education. p. 47.
Arkad'eva, A. - The people's university of culture. p. 49.
Rakhmanova, M. - A group of lecturers on a collective farm. p. 52.
Lunin, B. - For the purity of Marxist-Leninist theory. p. 55.
Nadzhimov, G. - Folk tradition. p. 62.
Sapil'nikov, E. - Utilize hidden potentialities, consolidate business accounting. p. 68.
Skorodumov, V. - Trying to understand the economics of industry. p. 71.
Aleksandrov, B. - A live spring of initiative. p. 74.
Komar', IU. - Communists of a leading automotive center. p. 76.
Bogatyrev, V. - According to his heart's command. p. 78.
Ulugdzhanov, N. - Where carelessness leads us. p. 79.
Babanazarov, R. - Words and deeds. p. 81.
Shakirov, Sh. - The foreman. p. 83.
Sikul'tin, V. - The steppe recedes. p. 86.
Public control and the local press. p. 90.
Propagandists as frontline fighters. p. 92.
Saradzheva, N. - "The great mission of a communist." p. 94.
Party news. p. 96.

PARTIINAIA ZHIZN' KAZAKHSTANA [PARTY LIFE OF KAZAKHSTAN] Issued by TSentral'nyi Komitet KP Kazakhstana [Central Committee of the Communist Party of Kazakhstan]. Alma-Ata, vol. 33, no. 11, Nov. 1963.

Table of contents translated:

For a new lift in agriculture. p. 3.
Sabirukov, S. - Principal task of the present day. p. 8.
Pitulov, A. - Possibilities for obtaining high assured crops. p. 12.
Burlakov, IU. - Specialization as a way to the development of the economy. p. 16.
Lugovoi, G. - Captives of old conceptions. p. 20.
Fomin, V., Pirogov, P. - Nearer to life and production. p. 24.
Chikov, N. - Erecting multistoried buildings. p. 30.
Perfecting leadership in agriculture. p. 34.
Myrzaliev, Kadyr., Ivanov-Sokol'skii, V., Antoshchenko-Olenev, V. - Even today Lenin is more alive than all the living. p. 41.
Mukhametkaliev, K. - A school of propaganda mastery. p. 45.
Olontsev, V. - A great creative friendship. p. 46.
Tokombaev, A. - Living in friendship with the great Russian people. p. 50.
Komarova, T. - Thank you for your honest work. p. 52.
Bagratiantsev, A. - "Iskra" in Vernyi. p. 53.
Dmitriev, L - Chemistry under the rule of capital. p. 56.
Chistiakov, M. - Welcoming the dawn; a poem. p. 60.
Tumanov, N. - An enthusiastic worker. p. 63.
Zverev, N. - Thus your conscience prompts you. p. 66.
Mukhin, O. - The golden meridian. p. 70.
Beisembiev, K. - Sources of a great friendship. p. 75.
Krupen'kin, V. - Don't get excited. p. 79.

POLITICHESKOE SAMOOBRAZOVANIE [POLITICAL SELF-EDUCATION]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soiuza [Central Committee of the Communist Party of the Soviet Union] Moscow, vol. 7, no. 8, Aug. 1963.

Table of contents translated

Editorial Communist ideology is a great transforming power p 3
Morozov, M - The party and the education of the new man p. 9.
Golubkov, P - In the struggle for an abundance of agricultural products p 19
Figures and facts p. 29
Starushenko, G - Present-day stage of the national liberation movement p 33.
Tikhonov, I - The material and technological basis of communism and labor productivity. p 44
Volkov, M - Methods for perfecting business accounting p 51
Fomina, V. - The correlation of politics and economics under socialism p. 57
Arkad'ev, N - What is the neocolonialism of the Bonn monopolists p 61
The library of a party committee. p 65
Korotkevich, A - Everyday care should be given to the education of activist groups. p 69
Dudkin, M - Combine ideological work with organization. p 73
Vilkov, G. - Our experience in the propaganda of economic knowledge p 77
Lesovala, L., Andreiuk, G - Schools of atheism p 79
Boldyrev, N - The most important matter in the theoretical level of the lesson. p 83.
Epstein, S. - Did the seminar fulfill its task? p 85.
Musina, N - Diversify the methods of the work with propagandists p 87
TSvelikh, T - The lesson plan and the role of the leader of a seminar p. 88.
Volzhin, B - What I would like to hear in the seminar in addition p 89.
Skaballanovich, M - Questions remained unanswered p 90
Barsukov, N., Strukov, E - About the textbook "Social science." p. 91
Nikolaev, N. - Studies of philosophical problems in a course on social science. p. 98
Efimov, V., Vladimirov, L. - The moral character of a personality p. 105
Tolmachev, A. - Popularity in propaganda. p 115
"Planovoe khoziaistvo, Voprosy istorii", a review of periodicals p 122.
Fominov, T., IAnin, A - Glorious progress p 126
Davidovich, A. - A scholarly work on the theory of state and law p 132.
Groshev, I., Trofimov, A., Gvozdeva, L. - New books, a review p 138

PROBLEMY MIRA I SOTSIALIZMA [PROBLEMS OF PEACE AND SOCIALISM] Prague, vol. 6, nos. 11(61) 12(62), Nov.-Dec. 1963.

RUSSIA (1923- U. S. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet, Gazette]. Moscow, vol. 27, nos. 4(1195)-5(1196), Jan. 1964

UZBEKISTON KOMMUNISTI [COMMUNIST OF UZBEKISTAN]. Issued by the Central Committee of the Communist Party of Uzbekistan, Tashkent, vol. 35, nos 9-10, Sep.-Oct. 1963. [In Uzbek]

VECHNAIA ROSSIIA [ETERNAL RUSSIA]. New York, no. 1, 1962.

ZNAMIA ROSSII; organ russkoi nezavisimoi monarkhicheskoi mysli [THE BANNER OF RUSSIA; Organ of Russian Independent Monarchistic Thought]. New York, vol. 18, nos. 237-238, Nov.-Dec. 1963.

7. LAW

RADIANS'KE PRAVO [SOVIET LAW]. Organ of Verkhovnyi sud URSR [Supreme Court of the Ukrainian S. S. R.] and others. Kiev, no. 6, Nov.-Dec. 1963.

Table of contents translated:

Our fundamental law. p. 3.
Ul'ianova, N. - Act of great international significance. p. 8.
Holichenko, V. - How the organs of the Ukrainian Cheka struggled for a strict observance of socialist laws. p. 13.
Hryshaiev, P. - Against the malicious efforts of bourgeois lawyers to distort the idea of socialist legality. p. 21.
TSvelykh, V. - Let us improve the work of standing committees. p. 30.
Hertsiuk, T. - Rights and duties of the deputies of the soviets. p. 33.

Stepanov, D., Madiar, M. - The Soviet public in rural areas helps to maintain law and order. p. 36.
Yelmid', I. - Voluntary policemen of a railroad terminal. p. 38.
[illegible], F. - From the work experience of fellow workers' courts in Zhitomir Province. p. 39.
Shpurlet, L. - Council of fellow workers' courts in the city of Nezhin. p. 12.
Ivanits'kyi, A., Lanovenko, I. - Let us fully eliminate the conditions which open the door to the pilfering of lumber. p. 44
Shpuns'kyi, T. - Let us extend public participation in the prevention of juvenile delinquency. p. 47.
Shehar, I. - Taking into account the factor of time in the investigation of handwriting and signatures. p. 53.
Hrachovs'kyi, H. - Dactyloscopy and identification of voice. p. 56.
Barabash, A. - We should improve the examination of cases concerning the liability of workers and employees. p. 58.
Kats, S. - We should regularize the review of judicial decisions and sentences. p. 63.
Stepanov, IP. - Consideration of the indictment is an important stage of legal procedure. p. 67.
Dubin, V. - Some controversial problems of Soviet administrative law. p. 71.
Dreisler, I. - Basic principles of the classification of criminal offenses. p. 78.
Yats, M. - Prevention of rowdyism. p. 84.
Zhalins'kyi, A. - Identification of criminals in Soviet criminal procedure. p. 86.
Bilous, V., Shenkar, I. - We shouldn't waste the monetary resources of collective farms. p. 89.
Berkevych, S. - Liability of railroads for damage to freight. p. 91.
Shul's'kyi, IU. - Examination of conflicts arising from the transportation of goods. p. 96.
Hrytsenko, IE. - New rules which regulate the payment of copyright royalties. p. 99.
Edel', IU., Meiskiev, V. - Acts or findings? p. 103.
Izbyk, V. - How I arrested a criminal. p. 104.
Hrab, P. - Refusal to carry out the requests of other courts is a violation of Soviet laws. p. 105.
Shevchenko, I. - Structure of and some legal problems in the work of the Mutual Economic Assistance Council. p. 108.
Piasun, IA. - How the Iraqi Kurds struggle for an autonomous state. p. 111.
Ilrenko, V. - Bourgeois Themis doesn't punish such people. p. 119.
A.P. - A "showcase" of western democracy has been shattered. p. 122.
A.S. - South African racists have intensified their persecutions. p. 123.
Panina, N. - Intensification of the democratic movement of the American Negroes. p. 125.
Decisions of the Supreme Court of the Ukrainian S.S.R. p. 128.
Decisions of arbitration agencies. p. 135.
Recent legislative enactments. p. 138.
Makogon, S. - "Governmental system of the Rumanian People's Republic" by E.A. Tikhonova. p. 142.
"Soviet civil law, some categories of contracts" by O.S. Ioffe, book review. p. 144.
TSybko, F. - Who needs such books? p. 146.
Brief news. p. 148.
Bibliography. p. 149.
Classified index of articles and materials published in 1963 in the periodical "Radians'ke pravo." p. 151.

RU[illegible]

Table of contents translated:
Wage payment procedures for divers in transferring them to nonspecialized work in connection with idle time and in case they stay under water less than 25 hours per month. Explanation No. 16/15, June 13, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Secretariat of the All-Union Central Council of Trade Unions. p. 3.
Wages for locomotive depot workers engaged in the repair and adjustment of new types of locomotives. Explanation No. 16, June 12, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. p. 4.
Adoption of the regulation on issuing bonuses to the workers of cooperative societies belonging to the system of provincial, territorial and republic consumer cooperative unions, their procurement offices, trade depots, and consumers' societies. Regulation No. 163/123/16, July 1, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R., the Board of Directors of the Central Union of Consumers' Cooperatives and the Secretariat of the All-Union Central Council of Trade Unions. p. 5.
Supplement to the list of production processes, occupations, positions and work prohibiting the use of laborers under 18 years of age. Regulation No 166, June 14, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. p. 10.
Regulation on the four-year mining vocational and technical schools. p. 11.
Acknowledgement of the expiration of the regulations of the State Committee on Labor and Wages of the Council of Ministers of the U.S.S.R.:
1. The Lumbering, woodworking, woodpulp-paper industries and enterprises manufacturing nonmetal roofing. Regulation No. 241, July 27, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. p. 19.
2. The fishing industry. Regulation No. 179, June 23, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. p. 28.
3. The flour, groat and feed-milling industry, and grain products enterprises. Regulation No. 180, June 28, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. p. 32.

No 10, 1963

Table of contents translated:
Wage system for the workers of state game farms of the Main Hunting and Preserve Administration attached to the Council of Ministers of the R.S.F.S.R. Regulation No. 270, September 7, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. p. 3.
Supplement to the regulation No. 1289/29, November 18, 1960 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Secretariat of the All-Union Central Council of Trade Unions "Wages for the workers of district (city) industrial combines which are under the jurisdiction of local soviets of workers deputies." Regulation No. 266/23, September 3, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Secretariat of the All-Union Central Council of Trade Unions. p. 5
Procedures for issuing bonuses to the workers, engineering and technical workers and employees of construction and assembly organizations engaged in the building and reconstruction of enterprises manufacturing mineral fertilizers, for carrying out individual assignments. Regulation No. 297, October 1, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. p. 7
Amendments and supplements to the rules on compensation by institutions and organizations to workers and employees for injuries or other health damages sustained in connection with their work. Regulation No. 276/P-20, September 3, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Presidium of the All-Union Central Council of Trade Unions. p. 9.
Application of Paragraph No. 21 of the regulation on procedures for examining labor disputes. Explanation No. 20/23, August 29, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Secretariat of the All-Union Central Council of Trade Unions. p. 11
Acknowledgement of the expiration of th[illegible] of the State Committee on Problems Wages of the Council of Ministers 1. Automobile transportation. Re[illegible] October 2, 1963 of the State Comm[illegible] lems of Labor and Wages of the C[illegible] ters of the U.S.S.R. p. 12. 2. Light industry. Regulation No. 28, 1963 of the State Committee o[illegible] Labor and Wages of the Council o[illegible] the U.S.S.R. p. 26. 3. The textile industry. Regulati[illegible] September 26, 1963 of the State C[illegible] Problems of Labor and Wages of [illegible] Ministers of the U.S.S.R. p. 38.

No. 11, 1963.

Table of contents transl[illegible]
Supplement to the standard regulatio[illegible] workers of state farms and other enterprises. p. 3.
Extention of the temporary regulatio[illegible] conditions for mixed brigade wor[illegible] loading and unloading work in riv[illegible]
Procedures for paying bonuses to li[illegible] struction and assembly organizat[illegible] for fulfilling on time in the fourt[illegible] individual assignments on indust[illegible] projects. p. 4.
Standard regulation on issuing bonuses to administrative, engineering and technical workers and employees of regional units and branches of the Farm Mechanization Agency "Sel'khoztekhnika." p. 7.
Procedures for fund accumulation and bonus payments for aiding the introduction of inventions and efficiency suggestions. p. 11.
Criteria for efficiency suggestions and procedures for assigning suggestions to efficiency categories. p. 14.
Amendment to Paragraph No. 5 of the instruction on the procedure for issuing, storing, as well as using work clothes equipped with safety devices. p. 16.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, pravovedenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Jurisprudence] Moscow, vol. 7, no. 3, 1963.

Table of contents translated
Law school teachers and the postgraduate training of young lawyers in the law schools of the U.S.S.R. p. 3
Antonova, L.I. - Some theoretical problems relating to the preparation and enactment of laws. p. 14
Guliev, V.E. - Dictatorship of the imperialist bourgeoisie. p. 23
Koreney, A.P. - Extent and principles of the codification of Soviet administrative laws. p. 36
Betsa, V.M. - Some organizational forms of public participation in agricultural administration in the provinces. p. 45
Iakovlev, V.F. - Basic characteristics of contracts covering agreements to deliver agricultural products. p. 58
Kudriavtsev, O.N. - New regulations on property rights to residential buildings. p. 67.
Mulshnov, G.V. - Importance and role of planning in the sphere of material incentives. p. 74.
Tikhonov, K.F. - Delimitation of the various forms of guilt in Soviet criminal law. p. 82
Volzhenkin, B.V. - Social dangerousness of criminals and grounds for their criminal responsibility. p. 90.
Arkishevskii, G.V. - Subject matter and tactic of criminal investigation. p. 99.
Erofeev, S.I. - How K. Marx and F. Engels opposed M. Bakunin's negation of the dictatorship of the proletariat. p. 109
Khalilova, T.N. - Liability of foreigners for damage and hurt suffered by Soviet citizens. p. 119
Maidannik, A.V. - Standing committees of local soviets. p. 127
Kalmykov, IU.Kh. - Some theoretical problems of tort liability. p. 133.
Palastina, S.IA. - Collection of fines for the incomplete delivery of rolled metal products. p. 136.
Kovalenko, N.I. - Organization and reorganization of state farms. p. 139.
Asinovskii, M.L. - Patent rights of U.S. government employees to their inventions. p. 143
Kobiashvili, U.L. - Complicity in the preparation of a crime and in an attempt to commit it. p. 148
Livshits, IU.M. - Material characteristics of grounds for criminal responsibility. p. 154
Chasse, M. - Examination of labor disputes in the Polish People's Republic. p. 157
Sakun, O.F. - International law and the legal status of consuls. p. 161.
Martynenko, P.F. - "Constitution of socialist Czechoslovakia, collected studies" [in Slovak] p. 167.

Rybin, V. Alpert, S., Bazhanov, M. - Evidence in Soviet criminal procedure. p. 40
Shpicher, S. - Problems of criminal responsibility for theft. p. 43
Let us stop playing "hide-and-seek." p. 46
Finn, E. - These stories were told to us by a collection of buttons (to be continued). p. 48
Vorob'ev, B. - Why do they enact unlawful rules. ? p. 52.
Gudimov, N., Kushnirov, G. - Dismissal of persons who were released on parole or placed in the custody of workers. p. 53
Zlotnikov, A. - Should we approve of this position of the Supreme Court of the White Russian S.S.R. ? p. 55
Sukhodolets, K. - The Office of the Public Prosecutor of the U.S.S.R. has organized a group to help party committees in their control of business enterprises and governmental agencies. p. 56
Aseshchin, V. - How we supervise the trial of civil cases. p. 57
Pivenshtinov, R. - New forms of public participation in the struggle against the violation of Soviet laws. p. 58
In the Office of the Public Prosecutor of the U.S.S.R. p. 60
Zvirbul', V. - A conference on the supervision of the preliminary examination and pretrial investigation of criminal offenses by public prosecutors. p. 61
Akimov, A., Vedernikov, S. - A conference on the trial of civil lawsuits. p. 63
Petrenko, P. - Discussing the problems of general supervision. p. 64.
Budakov, I. - Supervising the observance of Soviet railroad laws. p. 65.
Baruška, Jan. - Basic problems of a strict observance of socialist laws and the work of the public prosecutors of the Czechoslovak Socialist Republic. p. 66
Shpanich, T., Shtagin, I. - Investigation and prevention of the pilfering of socialist property in meat processing plants. p. 73
Evseev, B. - Skill and tenacity. p. 76
Korshik, M. - "Kriminal'." p. 80
Rubl', K. - Justice isn't done. p. 82
New legislative enactments. p. 84
Mitin, V. - The work of adolescents in the U.S.S.R. p. 86
How public prosecutors supervise the observance of laws. p. 88.
Fal'kovich, M. - Strict observance of Soviet laws in arbitration procedure. p. 90.
Drohlis, Z. - An excellent study. p. 93
We have strengthened our contacts with our readers. p. 95

Vol. 40, no. 10, Oct. 1963.

Table of contents translated.

Karpets, I. - Let us thoroughly develop the theoretical and practical study of crime and its prevention. p. 3.
Terebilov, V. - Let us improve our judicial practice in juvenile delinquency cases. p. 9.
Liakhovich, O. - We should improve the work of public prosecution agencies in districts and provinces. p. 15.
Kuznetsov, V. - Some problems concerning the public prosecutors' supervision of the observance of agricultural laws. p. 20.
Nikolaenko, I., Burlev, P. - Crime prevention is a problem of utmost importance. p. 27.
IAsinskii, G. - How public prosecutors control the participation of the Soviet public in the investigation of criminal offenses. p. 32.
Savitskii, V. - Public and lay prosecutors. p. 38.
Kulakov, V., Dagel', P. - Public participation in the rehabilitation of convicted delinquents. p. 41.
Kichatov, D. - How our public helps public prosecutors to supervise the observance of Soviet laws in the field of civil law relations. p. 43.
Levi, A. - Practical application of the expert methods of criminal investigation in the prevention of crimes. p. 45.
Solov'ev, B. - Strange story of "Kushov's case." p. 48.
Ulitskii, S. - Preterm discharge of convicted delinquents. p. 50.
Mikhailov, V. - Consulting lawyers should observe the precepts of legal ethics. p. 52.
Karpov, A. - Let us eliminate the factors and conditions which contribute to juvenile delinquency. p. 54.
Raudsalu, V. - Let us strengthen the ties of public prosecution agencies with the institutions of legal education. p. 56.
Borovkov, N., Shakhmatov, V. - How the students of the Correspondence School of Legal Education help the public prosecutors of Krasnoyarsk Territory. p. 58.
Nelupov, A. - This skilled investigator was just a tyro not long ago. p. 61.
Tanasevich, V. - Determining the amount of stolen or pilfered property. p. 63.
Sorokin, V. - New material for preserving and taking the impression of footmarks left on a sandy surface. p. 65.
Muginov, R., Frenkel', M. - Who is to blame? p. 66.
Finn, E. - These stories are told to us by a collection of buttons (continuation). p. 71.
In the Office of the Public Prosecutor of the U.S.S.R. p. 75.
A methodological study group of the higher officials of the Office of the Public Prosecutor of the U.S.S.R. p. 75.
In the Office of the Public Prosecutor of the Ukrainian S.S.R. p. 76.
How public prosecutors supervise the observance of Soviet laws. p. 77.
Aleksandrov, G. - The trial of Hans Globke, a German war criminal. p. 81.
Conferences of contributors to our periodical. p. 86.
Conferences of our readers in Siberia and the Far East. p. 88.
Ostroumov, S. - A few words on an article published in the periodical "Pravovedenie." p. 91.
Natashev, A. - New works on corrective labor. p. 92.

Vol. 40, no. 11, Nov. 1963

Table of contents translated.

The 40th anniversary of the Great October Socialist Revolution. p. 3
Soviet jurisprudence should be high-principled and effective. p. 6
Glukh, F. - Crime prevention is the most effective way of safeguarding socialist property. p. 13
Belenchuk, I. - New civil and civil procedure codes of the Ukrainian S.S.R. p. 20
Kukarskii, I. - Warnings of criminal investigators are an important form of crime prevention. p. 25
Treshchetenkov, IU. - For the efficient and highly-effective prevention of crimes. p. 28
Denisov, G. - How public prosecutors work under new conditions. p. 32
Goman, E. - Important form of crime prevention. p. 35
Sadovskii, I., Tyrichev, I. - Theoretical and practical problems of legal evidence. p. 39
IAkubovich, N. - Role of defending lawyers in the presentation of criminal evidence. p. 42
Ezhenkin, V. - Our courts should eliminate shortcomings in the recognition of an individual to be an "especially dangerous recidivist." p. 46
Trachevskii, IU. - Probated sentences. p. 51
Kravets, G., Gerasun, A. - How to organize the investigation of pilfering and bribery cases. p. 55
Leshchinskii, M. - Work, study, and leisure. p. 59
Finn, E. - These stories were told to us by a collection of buttons (conclusion). p. 61
Eganov, I. - His "search of truth." p. 65
Kamnev, Vl. - "Administrative zeal." p. 68
Kuz'min, A. - Skilled theoreticians of the "activity of rats." p. 69
Platakov, A. - Bonus payments to workers and employees. p. 72
Verezubov, V. - It happened in a department store. p. 77
In the Office of the Public Prosecutor of the U.S.S.R. p. 78
In the offices of the public prosecutors of the Union Republics. p. 79
Soldatov, P. - Voluntary policemen of a drug plant. p. 81
How public prosecutors supervise the observance of laws. p. 82
Decisions of arbitration agencies. p. 86.
New legislative enactments. p. 88.
Skomorokhov, P. - A writer shouldn't be too rash. p. 90
Taranenko, V., Shakarian, M. - "Trial of civil lawsuits" by P. Trubnikov. p. 93

SOVETSKAIA IUSTITSIIA [SOVIET JUSTICE]. Issued by Ministerstvo iustitsii and Verkhovnyi Sud RSFSR [Ministry of Justice and the Supreme Court of the R.S.F.S.R.]. Moscow, no. 18, Sep. 1963.

Table of contents translated:

Soviet courts should develop their contacts with the party organs which control the work of governmental agencies and business organizations. p. 1.
Sergeeva, N. - Judicial practice in civil law cases concerning the rearing of children. p. 4.
Laptev, A. - Judicial practice in cases concerning the unauthorized occupation of land and the unauthorized construction of private residential buildings. p. 7.
Rassudovskii, V. - Liability for unforeseeable property loss in Soviet civil law. p. 11.
Dashkevich, I. - We shouldn't tolerate the violation of Soviet laws in determining the classes of corrective labor colonies. p. 13.
Fal'kovich, M. - Commentaries to the rules which regulate the examination of commercial conflicts by arbitration agencies. p. 16.
Larkin, I. - "Members of a family" according to Soviet housing law. p. 18.
Tarasov, A. - University students' practice in industrial enterprises. p. 20.
Sharkov, N. - Each practicing lawyer should participate in the prevention of crime. p. 22.
Puchinskii, V. - "Review of judicial decisions and rulings in civil law cases by the presidiums of appellate courts" by S.S. Moskvin. p. 23.
Mikhailov, V. - In search of truth. p. 25.
Pigolkin, A. - Distorting mirror of anticommunist propaganda. p. 27.
From the practice of notarial agencies. p. 30.
Answering our readers' questions. p. 31.
Not for imitation. p. 32.

No. 20, Oct, 1963.

Table of contents translated.

We must ensure the complete reimbursement of loss caused by the pilfering of communal property. p. 1.
Organs of Soviet justice should strengthen their contacts with trade unions. p. 4.
Shlakhov, A. - We should coordinate our work. p. 7.
Asinovskii, M. - Lawsuits for the protection of exclusive rights to efficiency suggestions. p. 9.
Strochkov, N. - Determination of the subjective elements of a crime during the trial of criminal cases. p. 11.
Kovalenko, E. - Judicial practice in the partitioning of collective farmers' farmsteads and the apportionment of their parts to withdrawing members. p. 13.
Smirn, M. - Why do they violate the established procedure? p. 15.
Zaitsev, I. - We shouldn't tolerate the deferment of the judgements of appellate courts. p. 16.
Nikiflin, K. - Eviction of Soviet citizens from their apartments in the houses owned by governmental agencies and industrial enterprises. p. 16.
Barash, IA. - Commentaries to the procedural rules which regulate the examination of commercial conflicts by arbitration agencies. p. 18.
Kraplvin, A., Sukharev, I. - Let us improve the organization of legal aid to collective and state farms. p. 20.
Nikolaev, A. - Responsibility for slander and insult. p. 21.
Borod'ko, P. - Presidium of our province court directs the work of people's courts. p. 21.
Vorozheikin, E. - New phase in the work of fellow workers' courts in the Hungarian People's Republic. p. 24.
Klimarin, V. - Redtapism often results in the violation of Soviet laws. p. 26.
A conference of chief arbiters. p. 26.
Kurinov, B., IAblokov, N. - "Traffik accidents and their investigation." p. 27.
Letters and comments. p. 30.
From the practice of notarial agencies. p. 31.
Decisions of arbitration agencies. p. 32.

No. 21, Nov. 1963.

Table of contents translated

Early history of Soviet justice. p. 1.
How the socialist state develops into communist self-government. p. 4.
Mel'nikov, A. - Further development of the procedural rights of Soviet citizens to have their cases tried in court. p. 6.
Nechiporenko, S., Petrov, V. - Our work under new conditions. p. 9.
Koloskov, V. - Give special attention to juvenile delinquents. p. 10.
Liberman, F. - Make wider use of the accredited form of payment. p. 13.
Nikitiuk, P. - Problems of specification (working out the materials of other persons into a new species) in the examination of cases concerning property rights to buildings. p. 15.
Golinkov, D. - First trials in revolutionary tribunals. p. 18.
Krakhmal'nik, L. - Prohibition to hold certain positions or to engage in some special activities. p. 21.
Gendel'man, I. - Are they just temporary workers? p. 23.
Vatin, I., Katinov, V., Astakhov, V. - Councils of fellow workers' courts in action. p. 24.
Moiseev, O. - A day in a notarial agency. p. 25.
Savitskii, V. - Useful commentaries. p. 27.
Answering our readers' questions. p. 30.
Decisions of arbitration agencies. p. 31.
From the practice of notarial agencies. p. 32.

No. 22, Nov. 1963

Table of contents translated:

Kuznetsov, P. - For the strictest observance of socialist laws. p. 1
Kurnosov, G. - More attention to crime prevention. p. 4.
Ermakov, N., Isakova, N. - Let us study and generalize the results of organizational work. p. 7.
Liubarskii, M. - Legal education of expert witnesses and their role in court sessions. p. 8.
Slitenko, L. - Our efforts to prevent criminal offenses. p. 10.

Vishnevskaia, L. - Let us extend public participation in the rehabilitation and re-education of probationers, p. 12
Zhirsev, E. - Ethical problems in a criminal defense, p. 13
Lass, N. - Voluntary abandonment of plans and preparations for the commission of a crime p. 16
Kalnev, A., Gorshtein, IA. - Wrong policy of housing agencies p. 18
Frolovskii, A. - Legal problems concerning the elimination of labor turnover p. 20
Nazarov, IU., Vladimirov, I., Seliunin, S. - Voluntary work of practicing lawyers among the masses p. 21
Gudes, A., Davydov, A. - Legal aid to collective and state farms. p. 23
Grishkova, A., Prudinskii, E. - Public representation council of an arbitration agency p. 23
Chikova, I. - How a legal section lends its assistance to an economic council p. 25
Musina, S. - Popular universities of legal science in the city of Leningrad p. 26
Rapoport, A. - Our work experience p. 27
Borisova, T. - Thank you, "comrade judge!" p. 29
From the practice of notarial agencies p. 31
Decisions of arbitration agencies p. 32.

8. EDUCATION

a. GENERAL

DOSHKIL'NE VYKHOVANNIA [PRESCHOOL EDUCATION], Organ of Ministerstvo osvity URSR [Ministry of Education of the Ukrainian S.S.R.] Kiev, no. 11, Nov. 1963.

Table of contents translated.

Light of the Great October, p. 1.
Artemova, L. - Organizing interpersonal relations in play with rules, p. 3.
Sokolieva, IU. - Pedagogical lectures on the training of children in play, p. 9.
Dolbat, V. - Training in positive relations among children in role enacting play, p. 12.
Martynova, L. - Forming a children's collective in play, p. 18.
Chernenko, V. - Homemade toys from natural materials in children's play, p. 21.
Bobyl'ova, L. - Training of children in mobile play, p. 26.
Zvolyns'ka, IE. - Place of play in preparing children for school, p. 30.
IEl'nikova, T. - Working with parents on the organization of play activities of children, p. 34.
Snezhenko, M. - Wien, p. 36.
Snowhite's song; music and words by M. Satulina, p. 37.
My beautiful Christmas tree, words by N. Zabila, music by A. Shor, p. 38.
Dance of the snowflakes, music by S. Shnaider, p. 39.
Kosakovs'ka, K. - Visual aids from boxes and matches, p. 42.
Play as a means of the general development of preschool children, p. 43.
Herko, H. - Seminar on aesthetic training, p. 45.
Creative exchange of experience, p. 47.

KUL'TURNO-PROSVETITEL'NAIA RABOTA [CULTURAL AND EDUCATIONAL WORK], Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.], Moscow, vol. 24, no. 12, Dec. 1963

NARODNOE OBRAZOVANIE [PUBLIC EDUCATION], Issued by Ministerstvo prosveshchenita RSFSR [Ministry of Education of the R.S.F.S.R.], Moscow, no. 9, Sep. 1963.

Table of contents translated

Khrushchev, N. - Learn to live and work in the communist way, p. 1.
Editorial School and life, p. 2.
Tishchenko, A. - Let's work in a new way, p. 8.
Alekseenko, N. - Friends of our schools, p. 10.
Kremenskaia, A. - Party organization and schools, p. 12.
Nikiforova, E. - It is good to know the Russian language, p. 14.
Boriskin, I. - In our district office of public education, p. 18.
Kottar, V., Utkova, L. - By common efforts, p. 19.
Good initiative and useful activities, p. 20.
IAkuba, E. - Our schools of progressive experience, p. 24.
Petukhova, O. - And the outlines of future schools become visible.... p. 26.
Sukhomlinskii, V. - Our pedagogical collective, p. 34.
Korotitsyna, Z. - Tyumen' notebooks, p. 43.
Plekhanov, A. - Training the need for knowledge, p. 47.
Glagolev, P. - Three concerns of the assistant principal, p. 50.
Gubanov, I. - More on the work plan, p. 58.
Linev, V. - Industrial training center, p. 63.
Smirnova, O. - Valuable apparatus for rural schools, p. 66.
Kolinman, I. - Proved by practice, p. 67.
Strunin, V. - Communist Youth League and Pioneer clubs in schools, p. 72
Kastorskii, IU. - Without extremes, p. 79.
Zagviazinskii, V. - Improving vocational qualifications of students, p. 85.
Rozentuller, V., Kachurin, M. - From the first to the last line, p. 88.
Kalenichenko, N. - Leska Ukrainka, p. 91.
Kashtanova, I. - Children's stories by L. N. Tolstoi, p. 93.
At the World Congress of Women, p. 96.
Mesentiashin, I. - At the sources of pedagogical journalism, p. 99.
Kasvin, G. - In the schools of Czechoslovakia, p. 102.
Barlushkova, Zdenka - From Prague to Lipetsk, p. 107.
Stoliarov, IU. - Let's inculcate a thirst for creativeness, p. 109.
Lebedeva, E. - Among the new publications of pedagogical literature, p. 114.
Bookshelf, p. 115.
New books of the State Publishing House for Children's literature, p. 119.
Blank, A. - Schools in the vise of reaction, p. 120.
In the Ministry of Education of the R.S.F.S.R. p. 123.
Vishnevskii, V. - Leningrad House of Educational Workers, p. 125.
Levshin, A. - When a word enlightens, insert.

No. 12, Dec. 1963.

Table of contents translated

Editorial There is no room for indifference! p. 1.
Ponomarev, I. - Experience of innovators is growing, p. 6.
Chernov, G. - Such practice is expedient, p. 12.
Leshchinskii, D. - On the problem of school desks, p. 13.
Ragulin, A. - Compulsory education in rural schools, p. 15.
Dmitriev, I. - Four years have passed, p. 18.
Goncharov, B., Riabinin, S. - Sports examination, p. 21.
Mel'nikov, S. - First steps of progressive schools, p. 24.
Klushnikov, V., TSar'kova, K. - While the heart is beating, p. 26.
Golikov, A. - There is an elementary school in Ryazanovka, p. 29.
Egorov, N. - In the Far North, p. 30.
Zavatskaia, M. - New system of elementary education in operation, p. 31.
Kalmykova, Z. - From the point of view of psychology, p. 34.
Kuzheleva, I., and others - Creative search, letters from Sverdlovsk Province, p. 38.
Novikova, L., Kunakin, A. - Living and developing phenomena.... p. 44.
Shurko, M. - Self-education, p. 55.
More thoroughness and more system! p. 61.
Kondrashov, V. - And we have a day with longer hours, p. 67.
Spital'nik, P. - School of life and work, p. 69.
Turbovskoi, IA. - Knowledge of your class is a guarantee of educational success, p. 73.
Maliarova, I., Rezvova, V., Sokolova, E. - Teacher, Pioneers and Junior Pioneers, p. 77.
Affairs and concerns of evening schools, p. 85
For the notebook of the principal and the head of the teaching department, p. 90.
Saklakov, P. - Fifth direction, p. 93.
Melamedov, I. - Audio-visual aids in evening schools, p. 95.
Shakhidzhanian, V. - Let's help them by approval, p. 96.
Serber, M. - Life on the screen, p. 98.
Nelidov, S. - V. IA. Brusov, p. 100.
Gol'din, F. - Poet and revolutionary, p. 101
Belova, L. - In the countries of Latin America, p. 103.
Brief news, p. 105.
Navokina, Z. - American teacher, p. 106.
Piskunov, K. - In the Publishing House for Children's Literature, p. 107.
Podorol'skii, N. - Science of persuasion, p. 112.
Klarin, V. - Klara Zetkin on ideological and moral education, p. 114.
Lebedeva, E. - Among the new publications of pedagogical literature, p. 117.
Bookshelf, p. 119.
Gornostaev, P. - Studying the elements of work organization in schools, p. 121.
Terskii, V. - "Play in a Pioneer detachment," p. 122.
Kasvin, G. - Lipetsk practice in Bulgaria, p. 123.
Politakov, A. - Beside the mark, p. 124.
Gutkin, A. - Every graduating student should have a creative task, p. 126.
Veitsman, I. - In the main direction, p. 126.
New books for children, p. 127.
Read it in the periodicals, p. 129.
In the Ministry of Education of the R.S.F.S.R. p. 130.
"Kryukovo meetings," p. 132.
Mat'enko, I. - Conference in Rostov, p. 133.
Discussing a coming book, p. 135.
Petrakov, I. - International Olympiad of young mathematicians, p. 135.
Labunskaia, G. - Aesthetic training, p. 136.
Subject index for 1963, p. 137.

NOUKOGUDE KOOL [SOVIET SCHOOL] Issued by Eesti Noukogude Sotsialistliku Vabariigi Haridusministeerium [Ministry of Education of the Estonian S.S.R.], Tallinn, no. 12, Dec. 1963. [In Estonian]

PADOMJU LATVIJAS SKOLA [THE SCHOOL IN SOVIET LATVIA] Issued by LPSR Izglitibas ministrija [Ministry of Education of the Latvian S.S.R.], Riga, no. 12, Dec. 1963. [In Latvian]

SOVIET MAKTABI [SOVIET SCHOOL], Organ of Ministerstvo prosveshchenila Uzbekskoi SSR [Ministry of Education of the Uzbek S.S.R.], Tashkent, nos. 10-11, Oct.-Nov. 1963 [In Uzbek]

SOVETSKAIA PEDAGOGIKA [SOVIET PEDAGOGY] Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.] Moscow, vol 27, no 9, Sep. 1963.

Table of contents translated:

The most important task of the humanities is the forming of students' communist world view, p. 3.
Politakov, E.N. - Effectiveness of ethical discussions in class, p. 11.
Komikova, T.E. - Training of high moral qualities within the Pioneer organization, p. 24.
Mazurenko, V.I. - First results of teaching social sciences in schools, p. 33.
Ivanovich, K.A., Epshtein, D.A. - Ways to improve vocational training in secondary schools, p. 41.
Pavliuchenkov, V.S., Palei, I.M. - Training senior students to love occupations, p. 49.
Nechaeva, V.G. - Communication among children of different ages in combined children's institutions, p. 56.
Smirnov, V.I. - Aesthetic training of students in extracurricular work, p. 63.
Fel'dshtein, D.I. - Practice of aesthetic training in a boarding school, p. 69.
Stankin, M.I. - Oral stimulation of students' muscle movement, p. 74.
Chernenko, N.A. - Testing knowledge, skills and habits during the school workshop classes, p. 79.
Ganelin, Sh.I. - M.N. Pokrovskii, an outstanding worker of Soviet education and pedagogics, on the occasion of the 95th anniversary of his birth, p. 86.
Sosnovskaia, G.P. - P.N. Lepeshinskii, an outstanding Soviet educator, p. 96.
Sakhatmuradov, A. - State of public education in the United Arab Republic (UAR), p. 107.
Itol'son, L.B. - Some basic problems in the theory of programmed instruction, experimental and analytical study, p. 117.
Ivanov, E.G., Smolikova, O.N. - Role of an oral introductory course in teaching foreign languages in secondary schools, p. 132.
Zhinkin, N.I. - Creative research on the problems of the development of psyche, p. 139.
Mostovoi, A.T. - A book on combining instruction with productive work, p. 142.
Popov, M.IA. - Monograph "Problems of education in the life and work of A.I. Hertzen," p. 145.
From the pages of foreign periodicals, p. 146.
Interuniversity conference on the problems of student training, p. 154.
Contact between a pedagogical institute and schools, p. 155.
Province-wide conference on school tourism and local geography, p. 157.
Discussing a musical ABC book, p. 158.
Papynin, N. - Practice of the Lebedyan' District Office of the Pedagogical Association of the R.S.F.S.R. p. 159.

Vol. 27, no. 10, Oct. 1963.

Table of contents translated:

Let's overcome the lag of pedagogical science, p. 3.
Lerner, I.IA. - Acquainting students with the scientific method as a means for connecting education and life, p. 15.
Voskrichian, S.I. - Using the method of tests in measuring the knowledge of students, p. 28.
Skomorokhov, N.IA. - Development of independent activity in a class collective, p. 38.
Borisov, B.V. - Continuity in educational work, p. 46.
Bursa, G.P. - Individual atheistic work in schools, p. 50.
Dorf-Shuster, G.IA. - Here is the school radio station! p. 56.
Kachnov, V.I. - Development of structural and technical knowledge and skills in adolescents in the manual training course, p. 61.
Domintsev, A.D. - Schools of pedagogical technique, p. 70.

Bondarevskaia, E. V. - Increasing the role of practical exercises in the system of educational training for students of the pedagogical institutions of higher learning. p. 76.
Martsinkovskii, I. B. - Training "elite" in the privileged boarding schools of England. p. 84.
Mal'tseva, Z. A. - Reactionary nature of pragmatic pedagogics. p. 94.
Sokolova, M. A. - Theodor Neubauer, outstanding German educator and communist; 1890-1945. p. 107.
Bogdanova, I. I. - Is translation needed in teaching foreign languages in schools? p. 119.
Mal'tseva, L. I., Riauzov, V. V. - We work in a new way. p. 126.
Kostylev, F. V. - Measurement and evaluation of student knowledge in evening (staggered) schools. p. 129.
Bogoiavlenskii, D. N. - Urgent problems of educational psychology. p. 137.
New books published by the Academy of Pedagogical Sciences of the R. S. F. S. R. p. 140.
Decisions of the June Plenum of the Central Committee of the CPSU and the problems of the organs of public education. p. 149.
Second congress of the Psychological Association. p. 153.
Shchelkunov, M. - Cooperation between a department of education and schools. p. 159.

Vol. 27, no. 11, Nov. 1963.

Table of contents translated

Under the banner of the Great October. p. 3.
Lemberg, R. G. - Let's fuse training and education into a unified flow. p. 11.
Zankov, L. V. - Problems of elementary education. p. 23.
Kosarev, A. S., Umanskii, L. I. - Prerequisites and methods for the development of the organizational abilities of students. p. 34.
Kochetov, A. I. - Training and self-training of an adolescent. p. 42.
Plaksina, L. V. - Pedagogical tact. p. 48.
Krakovskii, A. P. - Psychological basis for an individual approach to young boys and girls. p. 54.
Myshliaev, A. M. - Increasing the efficiency of teaching physics. p. 60.
Dugarov, S. G. - Development of public education in the Buryat A. S. S. R. for the past 40 years. p. 69.
Klarin, V. M. - Klara Zetkin on discipline and training in public behavior. p. 77.
Gerok, Ferdinand. - School reform in the Polish People's Republic. p. 84.
Kovalenko, I. G. - Shadow of neocolonialism over the Congo. p. 87.
Shimina, A. N. - Principle of unity between the concrete and the abstract and its significance for didactics. p. 92.
Platonov, K. K. - Knowledge, habits and skills. p. 98.
Erdniev, P. M. - Cybernetic concepts and the problems of didactics. p. 104.
Isaev, L. N. - Pedagogical efficiency of programmed instruction, from experimental work. p. 118.
Stegmanis, A. IA. - Oral introductory course and mother tongue in foreign language classes. p. 127.
Methodology of teaching foreign languages in secondary schools, survey of articles and editors' mail. p. 130.
Bernshtein, M. S. - Development of schools and school reforms in some capitalistic countries of Europe. p. 137.
Liublinskaia, A. A. - "Ways to improve the quality of the assimilation of knowledge in primary grades." p. 141.
Kernes, I. IA. - Scientific and atheistic propaganda in schools, survey of literature. p. 145.
Sokhor, A. M. - Didactic problems in pedagogical articles of a prominent Soviet mathematician p. 150.
Pedagogical legacy of I. N. Ul'ianov. p. 153.
Okladnikov, I. - Training work with parents. p. 155.
Monoszon, Z., Monakhov, N. - In the scientific and pedagogical institutions and schools of socialist Hungary. p. 157.

SREDNEE SPETSIAL'NOE OBRAZOVANIE [SECONDARY SPECIALIZED EDUCATION]. Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U. S. S. R.]. Moscow, vol. 10, no. 11, Nov 1963.

Table of contents translated:

Abezguz, A. IA. - Let's not rest on our achievements. p. 2.
We are growing, say our chemists. p. 7.
We are training personnel for major chemical industrial complexes. p. 10.
Much work lies ahead. p. 11.
In the Dzerzhinsk Chemical Technical School. p. 12.
Gorev, G. V. - Organization and methodology of industrial training on the technical maintenance of automobiles. p. 14.
Bakharev, N. E. - Comprehensive course projects based on reality. p. 19.
Bazhenov, V. I., Pompii, V. I. - Class group consultations in our correspondence technical school. p. 21.
Nemchikova, Z. M. - Some results of industrial training. p. 26.
Studens, K., Bul'bik, P. - Production instruction and experimental work in the Malnava Agricultural Technical School. p. 29.
Kuzin, E. L. - Physics in the agricultural technical school. p. 33.
Korchak, A. G. - Connection between the study of mechanical drawing and students' work in workshops. p. 36.
Petrov, N. A. - Dynamic section of our work. p. 39.
Krivoshchekov, D. M. - In the Far Eastern Naval School. p. 41.
Ksenofontov, G. N. - Mass participation is the main thing in sports. p. 43.
Batii, IU. IU. - Our students have seen much and know much. p. 45.
Perchenstov, A. V. - Methodology of the analysis of hydraulic circuits. p. 46.
Orobinskii, I. A. - Our practice in making visual aids. p. 50.
Lisitsyn, A. I. - Visual aid on technical mechanics. p. 52.
Gorbach, A. V. - Operating model of a lathe. p. 54.
Pokrovskii, I. A. - How we use our microscope. p. 57.
Filatov, I. G. - Review of the textbook "Technology of plastics" by E. A. Bratsykhin. p. 58.
In the chemical technical schools of the country. p. 61.
The editor's mail. p. 62
Konobotin, E. - To the attention of our readers. p. 63.

TARYBINE MOKYKLA [SOVIET SCHOOL]. Organ of Lietuvos TSR Svietimo ministerija [Ministry of Education of the Lithuanian S. S. R.]. Vilnius, nos. 11-12, Nov.-Dec. 1963. [In Lithuanian]

VESTNIK VYSSHEI SHKOLY [REVILW OF SCHOOLS FOR HIGHER EDUCATION] Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U. S. S. R.] Moscow, vol. 21, no. 11, Nov. 1963.

Table of contents translated

Prokof'ev, M. A. - Let's increase the contribution of institutions of higher learning to the development of chemistry p. 3
"Big chemistry" should have highly qualified specialists
Rogovin, Z. A. - In the interests of the development of the chemical fiber industry. p. 8
Rykov, M. M. - Future agriculturists and chemistry. p. 10
Cheivinskii, K. A. - Let's teach students to use scientifically valid technology. p. 12.
Kriech, E. I. - This is necessary for a thorough study of chemistry. p. 14.
Moldaver, T. I. - Chemistry is needed everywhere p. 16
Where the fundamental basis of agriculture is created; report of Z. Lebovich from the Voskresensk Chemical Combine p. 18.
Let's expand the front line of chemical research:
Kokorev, D. T., and others. - Let's concentrate the efforts of scientists on the urgent problems of chemistry, comments by instructors of the Moscow Institute of Chemical Machinery. p. 26
Vasil'ev, V. P. - Responding to the appeal of the progressive workers of industry. p. 32.
Let's call upon the collective for big deeds, from the pages of college newspapers p. 33
Readers discuss Dmitriev, G. A., Menkovskii, M. A., Semishin, V. I. - Let's raise the chemical knowledge level of specialists. p. 36
Let's introduce new and progressive features into the study of chemical subjects
Aleskovskii, V. B., Kedrinskii, I. A., Efros, S. M. - Let's improve practical training on the physicochemical methods of analysis. p. 40.
Abramov, S. K. - Lectures on polymers are given by a mechanical engineer. p. 41.
On a bookshelf. Laskin, I. E., and others. - Future agriculturists have their own textbook on inorganic chemistry. p. 44.
Improving education without interrupting production
Chubuk, IU. F., Evstifeev, M. F. - Improvement of the educational process at the General Technical Faculty. p. 49.
Sharipov, L. Sh. - First graduating class of the General Technical Faculty of Bukhara. p. 51.
Varnavskii, A. N. - When theory and practice are interrelated. p. 52.
Panin, A. I. - Graduating student of an agricultural institution of higher learning should defend a degree project p. 55.
Eremeeva, F. G. - Conferences of correspondence students became a tradition. p. 57.
Programmed instruction is on the agenda:
Mal'tsev, A. F. - We need a thorough scientific basis. p. 60.
Ermakov, I. G. - Standard algorithms for the programming of a special course. p. 62.
Penner, D. I., Kolpakov, M. F., Vaisburd, F. I. - Automated lecture hall started operations. p. 63.
All-Russian Conference on the Use of Audio-Visual Aids and Programming p. 66
According to materials in "Vestnik Vysshei Shkoly." p. 67
Kessenikh, V. N. - For high demands and a principled approach to the training of a new science generation p. 68
Bobrov, K. I. - Ideological committee in an institution of higher learning. p. 73
Fourth Congress of the Trade Union of Educational Workers, Higher Schools, and Scientific Institutions. p. 75.
Sundukov, V. D. - Let's arm students with knowledge and convictions. p. 76
Rozenman, F. I. - New methods are found by search. p. 81
Ugriumov, A. L. - Let's make a thorough study of party documents; (about the "Chrestomathy on the history of the CPSU") p. 84
Transfer of students graduating from the general technical faculties to the second educational stage. p. 86.
Results of the All-Union Competition on the Best Student Research Paper. p. 88
Conducting the All-Union Competition and Review of the Local Construction of Sports Structures in Institutions of Higher Learning. p. 89
Announcement p. 89
Fiftieth anniversary of the Voronezh Agricultural Institute. p. 90.
Obotov, N. V. - "Students, university and basic problems of the present day." p. 91.
Roshka, Aleksandr., Karageorge, Emil'. - Institutions of higher learning in Rumania during the people's government p. 93.
Competition for a textbook on genetics with fundamentals of selection. p. 96

b PHYSICAL EDUCATION & GAMES

LEGKAIA ATLETIKA [TRACK AND FIELD ATHLETICS]. Organ of TSentral'nyi Sovet Soiuza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U. S. S. R.]. Moscow, vol. 9, no. 12(102), Dec. 1963.

NASTOIASHCHEE I BUDUSHCHEE VOLLEIBOLA [PRESENT AND FUTURE OF VOLLEYBALL]. Moscow, no. 2, Nov. 1963

PROBLEMY IUNOSHESKOGO SPORTA [PROBLEMS OF SPORT FOR YOUTH]. Issued by TSentral'nyi nauchno-issledovatel'skii institut fizicheskoi kul'tury [Central Scientific Research Institute of Physical Education]. Moscow, no. 2, 1961

Table of contents translated

Foreword. p. 3.
Nagornyi, V. E. - Materials on the proper organization and methodology of sports for young people p. 5
Koval', T. N., and others. - Analyzing the training for young athletes in events involving cycles extending over a long period. p. 15.
Il'inich, V. - Training of young middle distance runners in foreign countries p. 38.
Ivanov, A. I. - Long-term planning in the training of two-event skiers from childhood. p. 45.
Shaposhnikova, V. I., Baranov, L. A., Padnaa, S. D. - Developing speed in young skiracers. p. 47.
Kudriavtsev, E. I. - Use of differentiated training practices during the main training period for young girl skiers. p. 53.
Dorofeev, V. F. - Training of older adolescents in competitive rowing during the main period. p. 60
Subbotina, K. P. - Analyzing the training of young sprinters. p. 65.
Kanaki, V. G. - Technique of hurdle-racing for girls p. 70.
Baichenko, I. P., Kanaki, V. G. - Developing swift motions in young track and field athletes. p. 85
Gomberadze, K. G. - Analyzing training for the running high hump. p. 92.
Goncharov, V. G. - Analyzing the training of juvenile weight lifters. p. 97.
Podskotskii, B. E. - Effect of weight lifting on the health and physical development of adolescents and young people. p. 120.
Groshenkov, S. S., Chetyrko, A. M. - Characteristics of long-range planning of instruction and training for young soccer players p. 134.
Motylianskaia, R. E. - Some problems in the athletic training of youths in the light of physical examination data. p. 151.
Vasil'eva, V. V., and others. - Examination of the cardiovascular and respiratory systems in young skiers. p. 156.
Volkov, V. M. - Characteristics of the recuperative period in children and adolescents. p. 179.
Sorokin, V. F. - Functional changes in the bodies of young athletes as a result of high-speed exercises p. 191.

Sarkina, I.D. - Change in external respiration in connection with training loads in young athletes. p. 200.
Martynova, A.V. - Examination of the functional capacity of the cardiovascular and respiratory systems in young gymnasts. p. 209.
Chen Hao-wang. - Condition of the heart in young people developing strength, speed, and endurance. p. 224
Erdanskaia, F.A., Pul'kina, I.E. - Materials for evaluating the effect of training loads on the bodies of young athletes. p. 231.
Stegina, L.I. - Analysis of data on the state of health of young athletes. p. 250.
Fretilova, T.A. - Medical observations of the state of health of boarding school children. p. 259
Kamaletdinov, A.Z., Vavrenink, A.F. - Level of physical development and trainability in school children in Lvov and Lvov Province p 270.
Geisel'd, E.S. - Physical development and training results in Omsk school children. p. 279.
Markusas, F. - Comparative data on the physical development and morbidity of school children at Rakvere attending and not attending sports schools p. 284
Krakovsk, G.M. - Health problems of the young soccer player. p. 288.
Martynova, A.V. - Early start of training in competitive gymnastics. p. 207.

RIGA LATVIJAS VALSTS FIZISKAS KULTURAS INSTITUTS. Raksti. Trudy Latvilskogo gosudarstvennogo instituta fizicheskoi kul'tury [LATVIAN STATE INSTITUTE OF PHYSICAL CULTURE. Transactions]. Riga, vol 1, 1957.

SHAKHMATNYI BIULLETEN' [CHESS BULLETIN]. Organ of Shakhmatnaia federatsiia SSSR [Chess Federation of the U.S.S.R.]. Moscow, vol. 9, no. 12, Dec. 1963.

SHAKHMATY [CHESS]. Issued by Soiuz sportivnykh obshchestv i organizatsii and Shakhmatnaia federatsiia Latvitskoi SSR [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S.S.R.]. Riga, no. 21(93), Nov. 1963.

SPORTIVNAIA ZHIZN' ROSSII [SPORT LIFE IN RUSSIA]. Organ of Vserossiiskii sovet Soiuza sportivnykh obshchestv i organizatsii [All-Russian Council of the Association of Sports Societies and Organizations] Moscow, vol. 7, nos. 11-12, Nov.-Dec. 1963.

9. MUSIC, THEATER & MOTION PICTURES

a. MOTION PICTURES

KINOMEKHANIK [MOTION-PICTURE OPERATOR]. Issued by Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.]. Moscow, nos. 11-12, Nov.-Dec. 1963.

SOVETSKII FILM [SOVIET FILMS]. Issued by Vsesoiuznoe ob"edinenie [All-Union Association] "Soveksportfil'm." Moscow, no. 5(72), May 1963.

TEKHNIKA KINO I TELEVIDENIIA [MOTION-PICTURE AND TELEVISION ENGINEERING]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po kinematografii [State Committee of the Council of Ministers of the U.S.S.R. for Motion Pictures]. Moscow, vol. 7, no. 10, Oct. 1963.
Table of contents translated.
Bargov, V.A., Barbanel', S.R., Sereginskii, A.I. - Set of apparatus for the production of motion pictures with the electronic method. p. 1.
Pelt', V.G. - Principles for the design and construction of exposure meters for professional motion-picture photography. p. 10.
Reznikov, O.I., Razumovskii, A.N. - Apparatus for testing motion-picture cameras. p. 18.
Tarasenko, L.G. - Projection test films. p. 27.
Sherman, F.S., and others. - Effect of the composition of solvents on the characteristics of the triacetate motion-picture film support. p. 35.
Seltvanov, A.S. - Criterion of the equivalent resolution, its testing and application. p. 39.
Karpeshko, IU.E. - Photoelectric characteristics of selenium layers during recording from electron beam tubes. p. 45.
Kopylov, P.M. - Synchronizing generator of the industrial television system. p. 46.
Bogdanov, G.M., Zubov, V.I. - Standardized industrial VK-12 video control device. p. 50.
Stepanov, A.A. - Analysis of the work of the control board operator of the apparatus room in a television station. p. 55.
Shelils, I.L. - In the television engineering laboratories of the Moscow Television Station. p. 59.
Abashkin, L.R. - Automatic signaling for camera switching in the operation of special effect units. p. 67.
Reznikovskaia, L.Sh., Sokolov, V.V. - Universal marker for two-side marking of 32 mm motion-picture films. p. 68.
Shvetnik, L.N., Sudravskii, D.D. - Television projector with an electron-optical light modulator. p. 70.
New products. p. 77
Abstracts section. p. 78.
Conference on exposure problems. p. 90.
Twenty-fifth anniversary of television broadcasting. p. 91.
Tenth anniversary of television broadcasting in Gorkiy. p. 91.
Iskanderov, S.A. - Processing of color motion-picture materials in the "Azerbaijanfilm" Studio. p. 92.
Information bulletins of the Scientific Research Institute of Motion Pictures and Photography. p. 92.
Brief news. p. 92.

Vol. 7, no. 11, Nov. 1963.
Table of contents translated:
Rudnik, D.IA., Sendik, F.N. "Crystal," Universal Motion-Picture Theater in Perm. p. 1.
Kutai, A.K., Balonkina, I.I., Galnykin, A.IA. - Methods for measuring the geometric parameters of motion-picture films and of some precision parts of motion-picture apparatus. p. 6.
Katsenelenbogen, E.D., Baranov, G.S., Shal'nov, I.I. - Relationship between the sensitivity numbers determined by various criteria. p. 10.
Gardony, G. - Discussion on the "System of efficient exposure estimation." p. 24.
Man'kovskii, V.S. - Distortions in the reproducing of the frontal motion of the sound object due to the use of stereophonic microphones for sound recording. p. 28.
Lovit, A.B. - Theory of television transducers used in automatic control systems. p. 36.
Bogatov, G.B. - Synchronous-successive system of black-and-white television. p. 44.
Drobyshev, IU.P. - Density of the magnetic recording of pulses. p. 52.
Melikhov, V.S., Turchenkov, L.P. - Measuring the nonuniformity of the movement of the electronic beam over the target of the transmission tube. p. 57.
Khazanov, G.I., Veselkov, P.M. - More on motion pictures and television; discussion of the article "Possibility of cooperation between motion-picture studios and television stations." p. 60.
Trofimenko, N.T., Tikhonovich, S.E. - Standardization of the methods for the processing of color and black-and-white motion-picture films. p. 63.
In the "Lenfilm" motion-picture studio. p. 64.
Radikainen, IA.M. - New circuit design for the intermediate amplifier. p. 65.
Bondareva, V.A. - Organization and technological equipment of an amateur motion-picture studio. p. 68.
Bondarchuk, V.M. - Developing machine "Arri." p. 71.
Abstracts section. p. 82.
Third Conference of the Scientific and Technical Commission on Projection Equipment. p. 93.
New motion-picture theaters. p. 94.

VOPROSY KINOISKUSSTVA [PROBLEMS IN CINEMA ART]. Issued by Institut istorii iskusstv Akademii nauk SSSR [Institute of the History of Fine Arts of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 7, 1963.
Table of contents translated:
IUrenev, R. - Significance of the hero. p. 5.
Pazhitnov, L., Shragin, B. - Motion pictures and popular conscience. p. 22.
Freilikh, S. - Plots in 1962. p. 64.
Zorkaia, N. - Expressive means in cer Soviet motion pictures. p. 76.
Kozlov, L. - Eisenstein and the synthe motion pictures. p. 104.
Khanlutin, IU. - Some trends of motio prewar years. p. 128.
Karlagin, A. - Motion pictures, the t vision at present and in the future.
Zhurov, G. - Initial steps of Soviet m the Ukraine. p. 187.
Kozenkranius, I. - Difficult years of t tion-picture industry. p. 210.
Eisenstein, S. - Classical paintings a p. 244.
Rubanova, I. - Current quests of Poli tures. p. 262.
Leyda, Jay - Films from films. p

c. THEATER

KHUDOZHESTVENNAIA SAMODEIATEI TEUR ART ACTIVITIES]. Issued by TSentral'nyi Sovet Professional'nykh Union Central Council of Trade Unio vol. 7, no. 11, Nov. 1963.

SOVETSKAIA ESTRADA I TSIRK [SOVIET STAGE AND CIRCUS] Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.] Moscow, vol. 7, no 5(74), Nov 1963

TEATRAL'NAIA ZHIZN' [LIFE OF THE THEATER]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.] and others. Moscow, nos. 20-22, Oct.-Nov 1963.

10. FINE ARTS

a. GENERAL

ISKUSSTVO [ART] Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.] and others Moscow, vol. 26, no 7, 1963.
Table of contents translated:
Immediate tasks of ideological work of the Party, resolution passed by a Plenum of the Central Committee of the CPSU. p. 2.
The Communist Party is the guiding and directive force in the development of Soviet art. p. 7.
Works devoted to the revolution, on B.V. Iogansen's 70th birthday. p. 16.
Rakitin, V. - Evgenii Kibrik. p. 18.
Rozhdestvenskii, K. - Great work awaits us! p. 28.
Zaslavskaia, O. - Artist of the land of White Russia. p. 30.
Tikhanova, V. - Sculptures by Ara Sarkisian. p. 37.
Lapshin, V. - Malakovskii as artist. p. 43.
Korzhevskii, B. - Three months on the island of freedom. p. 54.
Kemenov, V. - Reactionary efforts under the banner of "innovation." p. 58.
Balakin, P. - I.E. Repin and I.S. Kulikov. p. 66.
Kriukov, R. - Soviet political posters. p. 69.
Looking over foreign periodicals.... p. 74.
Brief notes. p. 77.

KHUDOZHNIK [ARTIST]. Issued by Soiuz khudozhnikov RSFSR [Association of Artists of the R.S.F.S.R.]. Moscow, vol. 6, no. 12, 1963.

MOSCOW, VSESOIUZNAIA TSENTRAL'NAIA NAUCHNO-ISSLEDOVATEL'SKAIA LABORATORIIA PO KONSERVATSII I RESTAVRATSII MUZEINYKH KHUDOZHESTVENNYKH TSENNOSTEI. Soobshcheniia [ALL-UNION CENTRAL SCIENTIFIC RESEARCH LABORATORY ON THE CONSERVATION AND RESTORATION OF MUSEUM ART TREASURES Reports]. Moscow, no. 7, 1963
Table of contents translated
Deviatov, M.M. - New method of manufacturing oil paints for art purposes. p. 6.
Vinner, A.V., Shakhov, B.M. - Preventive gluing up. p. 20.
Nikiforaki, N.A. - New method of studying museum objects. p. 25.
Girshberg, V.B. - Methods of restoring a woman's headgear dating from the 16th century in the Museum of History and Restoration in Moscow. p. 38.
Vinner, A.V. - Survey of methods of restoring Fayum portraits. p. 46.
Theophilus. - "Notes on various arts." p. 66.

SOVETSKOE FOTO [THE SOVIET PHOTO] Issued by S

b. ARCHITECTURE

ARKHITEKTURA SSSR [ARCHITECTURE OF THE U.S.S.R.] Organ of Gosudarstvennyi komitet po grazhdanskomu stroitel'stvu i arkhitekture pri Gosstroe SSSR and Soiuz arkhitektorov SSSR [State Committee for Public Construction and Architecture, Attached to the State Planning Committee of the U.S.S.R., and the Association of Architects of the U.S.S.R.] Moscow, no 1, 1962

Table of contents translated:

For a high level of construction. p. 1.
Principal trends in construction and architecture p. 3.
Iakubov, R. - Architecture of the structures of the Volga Hydroelectric Power Station (22nd Congress of the CPSU). p. 6.
Sudilovskii, L. - Possibilities of new design details of large-capacity thermal electric plants. p. 13.
Fisenko, A. - Work of students of the industrial construction department p. 18.
Slonimskii, A. - Population distribution in Chelyabinsk Industrial District. p. 28.
Zakov, I. - Experimental microdistricts in cities of Moscow Province. p. 30.
Makrushenko, L. - Architectural planning methods of controlling city noise p 33.
Volchok, P. - The little town on the "Zarya Kommunizma" State Farm. p. 37.
Sherentsis, A. - The problem of standardization in large-panel housing construction. p. 42.
Vasserman, IA. - Choosing modular dimensions for large-panel apartment houses. p. 45.
Koren'kov, V. - Hygienic qualities of the microclimate of dwellings. p. 51.
Kopelianskii, D. - Architecture and aesthetics in the service of ecclesiastics. p. 54.
Sectional wooden cupola. p. 58.
Conference on landscape architecture. p. 59.

EHITUS JA ARHITEKTUUR [CONSTRUCTION AND ARCHITECTURE]. Issued by ENSV Ministrite Noukogu Riiklik Ehituse ja Arhitektuuri Komitee [State Committee of the Council of Ministers of the Estonian S.S.R. for Construction and Architecture], Tallinn, nos 2-5, 1962, no 2, 1963. [In Estonian]

STROITEL'STVO I ARKHITEKTURA LENINGRADA [CONSTRUCTION AND ARCHITECTURE IN LENINGRAD]. Organ of Ispolnitel'nyi komitet Leningradskogo gorodskogo soveta deputatov trudiashchikhsia [Executive Committee of the Leningrad City Soviet of Workers' Deputies] and others. Leningrad, vol 25, no. 11, Nov. 1963.

Table of contents translated:

Anisimov, P. P. - The Narva Gate region is now Kirov District p. 2.
Naumov, A. I., Gromov, V. P. - On the main street. p. 7
Vasil'ev, A. V., Kozulin, A. I. - New sections of Krasnoputilovskaya Street. p. 13.
Shneter, L. L. - The V. I. Lenin park is being created. p. 16.
Kugushev, I. N. - Structures, technology, and organization of production, innovations at the Avtovskiyl Housing Construction Combine p. 19.
Avedev, V. I. - With wide volunteer participation. p. 22.
Rainus, E. S., Riabin'kii, S. B. - Continuity and speed; what the building of block No. 1 in Dachnoye has taught us. p. 24.
Along the path of specialization. p. 26
Zhurkovskii, A. P., Pilr, M. A. - New structure of main arteries and streets. p. 29.
Leningrad Design and Planning Institute and Kirov District. p. 30.
To the valiant heroes of the Kirov Division. p. 34.
Reconstruction of the I. I. Gaza house of culture. p. 36.
In the Executive Committee of the Leningrad Soviet. p. 3 of cover.

STROITEL'STVO I ARKHITEKTURA MOSKVY [CONSTRUCTION AND ARCHITECTURE IN MOSCOW]. Issued by Ispolkom Moskovskogo gorodskogo Soveta deputatov trudiashchikhsia [Executive Committee of the Moscow City Soviet of Workers' Deputies]. Moscow, vol. 12, no. 10, Oct. 1963.

Table of contents translated:

In honor of the nationwide holiday. p. 1.
Ulias, N. - Looking after the health of muscovites: Mass organization of suburban resting facilities for the inhabitants of the capital. p. 2.
Osterman, N. - Sixteen stories high; variations of apartment house designs of frame paneled construction. p. 7.
Bylinkin, N. - Flowers and architecture. p. 13.
Shchepetov, B. - Curtain walls of multistory buildings. p. 15.
At construction projects in Moscow. p. 19.
Baier, E. - Moscow experiment: Building of block No. 10 in Novyye Cheremushki. p. 20.
Kokin, A. - Houses with standard finishing. p. 27.
Zhivotovskii, I. - Preparing for building series IMG-3000 houses. p. 30.
Epshtein, S. - Over-all mechanized section, new organization of preparatory work. p. 33.
In the Executive Committee of the Moscow City Soviet of Worker's Deputies. p. 36.

11. LANGUAGE, LITERATURE & FOLKLORE

a. LANGUAGE

DIALEKTOLOGICHESKIE MATERIALY PO GOVORAM EVENKOV IAKUTSKOI ASSR [DIALECTOLOGICAL MATERIALS ON THE DIALECTS OF EVENKI IN THE YAKUT A.S.S.R.]. Issued by Institut iazyka, literatury i istorii IAkutskogo filiala Akademii nauk SSSR [Institute of Language, Literature, and History of the Yakut Branch of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, 1962.

Contents: Romanova, A. V., Myreeva, A. N. [Studies of the Tokko and Tommot dialects] Ocherki tokkinskogo i tommotskogo govorov. 104 p

EPIGRAFIKA KIRGIZII [EPIGRAPHY OF KIRGHIZIA] Issued by Sektor tiurkologii Instituta iazyka i literatury Akademii nauk Kirgizskoi SSR [Sector of Turkic Studies of the Institute of Language and Literature of the Academy of Sciences of the Kirghiz S.S.R.]. Frunze, no. 1, 1963. 75 p.

KEEL JA KIRJANDUS [LANGUAGE AND LITERATURE]. Issued by Eesti NSV Teaduste Akadeemia and Eesti NSV Kirjanike Liit [Academy of Sciences of the Estonian S.S.R. and the Association of Writers of the Estonian S.S.R.]. Tallinn, vol 7, no 1, Jan. 1964 [In Estonian]

SLAVIANSKAIA FILOLOGIIA [SLAVIC PHILOLOGY] Issued by Kafedra slavianskikh iazykov and Kafedra istorii literatur zapadnykh i iuzhnykh slavian [Moskovskogo universiteta [Department of Slavic Languages and the Department of the History of the Literatures of Western and Southern Slavs of the Moscow University]. Moscow, no. 4, 1963

Table of contents translated

Borodich, V. V. - Meaning of the perfect in Bulgarian. p. 3.
Kotova, N. V. - Phonetics system of the dialect in Gorno Polye region. p. 32.
Usikova, R. P. - Present tense of verbs of the perfective aspect in literary Macedonian. p. 64.
Gudkov, V. P. - Future tense in modern literary Serbo-Croatian. p. 78.
Shirokova, A. G. - Use of verbs of the perfective aspect to denote frequentative action in Czech. p. 98.
Groznata, Z. P. - Studies of Czech verb formation. p. 118
Kondrashov, N. A. - Studies on the language of the periodical "Slovenskje pohladi"; phonetics and morphology. p. 142.
Kuznetsova, R. R. - Structure of narration in novels by Jarmila Glazarova. p. 187.
Anufrunova-Dashindzhagian, N. Z. - Some features of Polish realistic dramaturgy at the end of the 19th and beginning of the 20th century; based on the works of T. Rittner, W. Perzyński, S. Żeromski, and J. Kisielewski. p. 228.
Petrov, S. G. - Creative history of the novel "Ashes and diamonds" by Jerzy Andrzejewski. p. 271.
Kotlasheva, I., Khorev, V. - Letters written by Julian Tuwim. p. 288.

UKRAINS'KA MOVA I LITERATURA V SHKOLI [UKRAINIAN LANGUAGE AND LITERATURE IN SCHOOLS]. Issued by Ministerstvo osvity URSR [Ministry of Education of the Ukrainian S.S.R.]. Kiev, vol. 13, no. 5, July 1963.

Table of contents translated:

Bletlatev, O. M., IAmak, I. I. - For the creative use of Lipetsk practice. p. 3.
Borysov, I. K. - Maiakovskii among us; on the occasion of his 70th birthday p 11.
Havrylov, P. T. - Studying the literary geography of the Donets Basin p. 18.
Halkin, V. P. - The methodist as the teacher's adviser. p. 26.
Dastiuk, M. I. - Working on the unification of methods. p. 32.
Shavlovs'kyi, I. I. - Studying the poem of A. Malyshko "It was at dawn" in the 11th grade. p. 36.
Sydorenko, I. M. - T. H. Shevchenko museum in a boarding school. p. 41
Scientific seminar of methodists. p. 46.
Batiuk, H. I. - Ways to raise the speech culture of grade 1-4 students. p. 50.
Dolenko, M. T. - Extracurricular development of students' speech p 56
Anisov, Vasyl' - Gold of a soul p 61
Discussing Ukrainian orthography
Stal'tsiv, P. S. - Simplified orthography will lead to better literacy. p 66
Koval', H. U. - Let's reduce the number of rules and notes p 69.
Porkhun, D. M. - Do we need Latin terms in grammar? p 70
Hulak, L. I. - My suggestions p 71
Editor's mail p 72
Parkhomenko, O. M., Karans'ka, M. U. - Correct pronunciation is a sign of culture p 75.
Syrotiuk, M. I. - "Playwriting of Lesia Ukrainka" by Oleg Bilyshkin p 79
Svarnyk, I. I. - "Studying the works of P. H. Tychyna in schools" by I. I. Sobolev p 80.
Kobylians'kyi, B. V. - "System of conjunctions in the Ukrainian language" by F. P. Medvedev p 83
Myronov, M. M., Doroshenko, M. I. - "Essays on the history of the development of the methods of teaching the Ukrainian and Russian languages in general elementary and secondary schools" by V. I. Masal's'kyi p 86
Lyzanets', P. M. - Hungarian-Ukrainian dictionary p. 89
Reznyk, A. B. - Extracurricular work should be entertaining p 92.
Pasichnyk, IE. A., Polushkina, L. S. - In the homeland of Lesia Ukrainka p 94
Pedagogical lectures in Zhitomir p. 95.

UZBEK TILI VA ADABIFTI [UZBEK LANGUAGE AND LITERATURE]. Issued by Institut iazyka i literatury Akademii nauk Uzbekskoi SSR [Institute of Language and Literature of the Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 6, nos 4-5, July-Oct 1963. [In Uzbek]

V POMOSHCH' PREPODAVATELIU RUSSKOGO IAZYKA V AMERIKE [A GUIDE FOR TEACHERS OF THE RUSSIAN LANGUAGE IN AMERICA]. Published by N. P. Avtonomoff. San Francisco, Calif., vol. 17, no. 67, 1963

b. LITERATURE & FOLKLORE

AZERBAICHAN [AZERBAIJAN]. Organ of Soiuz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan]. Baku, no. 11, Nov. 1963. [In Azerbaijani]

BAIGAL [BAIKAL] Ulan-Ude, nos. 3, 5, May-June, Sept.-Oct. 1963. [In Buryat]

BAIKAL Organ of Soiuz pisatelei and Ministerstvo kultury Buriatskoi ASSR [Association of Writers and the Ministry of Culture of the Buryat A.S.S.R.] Ulan-Ude, vol. 9, nos. 5-6, Sep.-Dec. 1963.

DILA [MORNING]. Issued by TSentral'nyi komitet Leninskogo kommunisticheskogo soiuza molodezhi Gruzii and Respublikanskii sovet organizatsii iunykh pionerov im. V. I. Lenina [Central Committee of the Lenin Communist Youth League of Georgia and the Republic Council of Lenin Pioneers]. Tiflis, no. 11, Nov. 1963. [In Georgian]

DNIPRO [DNIEPER]. Organ of TSentral'nyi komitet Leninskoho komunistychnoho soiuzu molodi Ukrainy [Central Committee of the All-Union Communist Youth League of the Ukraine]. Kiev, vol. 37, no 11, Nov. 1963.

DROSHA [THE BANNER]. Published by the Publishing House of the Central Committee of the Communist Party of Georgia Tiflis, no. 10(147), Oct. 1963. [In Georgian]

GRANI [FRONTIERS]. Published by "Posev." Frankfurt/Main, vol. 18, no. 54, Nov. 1963.

KAROGS [THE BANNER]. Issued by Latvijas padomju rakstnieku savieniba [Association of Writers of Latvia]. Riga, no. 12, Dec. 1963. [In Latvian]

LIETUVOS TSR AUKSTUJU MOKYKLU MOKSLO DARBAI: LITERATURA. Nauchnye trudy vysshikh uchebnykh zavedenii Litovskoi SSR: Literatura [STUDIES BY THE INSTITUTIONS OF HIGHER LEARNING OF THE LITHUANIAN S.S.R.: LITERATURE]. Vilnius, vol. 5, 1963.

LITERATURA I ISKUSSTVO NARODOV SSSR I ZARUBEZHNYKH STRAN; bibliograficheskii biulleten' [LITERATURE AND ART OF THE PEOPLES OF THE U.S.S.R. AND FOREIGN COUNTRIES; Bibliographical Bulletin]. Issued by Vsesoiuznaia knizhnaia palata and Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury [All-Union Book Chamber and the All-Union State Library of Foreign Literature] Moscow, no. 6, 1963.

LITERATURA V SHKOLE [LITERATURE IN SCHOOLS] Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 24, no. 6, Nov.-Dec. 1963.

LITERATURNAIA GRUZIIA [LITERARY GEORGIA]. Organ of Soiuz pisatelei Gruzii [Association of Writers of Georgia]. Tiflis, vol. 7, no. 11, Nov. 1963.

LOOMING [CREATIVE WORK] Issued by Eesti NSV Kirjanike Liit [Association of Writers of the Estonian S.S.R.]. Tallinn, no 12, Dec. 1963. [In Estonian]

MIZHSLOVIANS'KI LITERATURNI VZAIMYNY [INTERRELATION OF SLAVIC LITERATURE.] Issued by Instytut literatury Akademii nauk Ukrains'koi RSR [Institute of Literature of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, no. 3, 1963.

Table of contents translated

Preface. p. 3.
Sytyl'ova, O.V. - In the fight for Shevchenko; Bulgarian criticism from 1917 to 1939 of the great Ukrainian poet. p. 5.
Il'chuk, I.P. - T.H. Shevchenko and S.S. Kranjčević, on the popularization of T.H. Shevchenko's poetry in Yugoslavia during the 1860's and 1890's. p. 37.
Evshtads'ka, M.L. - Janko Vesolinović and Marko Vovchok. p. 66.
[Aremi, IA.IA. - Vasyl' Stefanyk and Wacław Moraczewski, 1895-1097. p. 78.
Tomashuk, N.O. - Ol'ha Kobylians'ka and Petko Todorov. p. 93.
Vovks, H.D. - Ivan Franko's tale "Lelum and Poletum." p. 108.
Hol'lerh, M.IA. - Creative history of Ivan Franko's "Poem about a white shirt." p. 135.
Karov, L.D. - M. Kotsiubyns'kyi and world literature at the end of the 19th and beginning of the 20th century. p. 156.
Novyk-Berezovs'ka, Z. - Jiří Wolker in the Ukraine. p. 185.
Bulakhovs'ka, IU.L. - Significance of Russian literature for the creative work of Julian Tuwim. p. 199.
Verbyts'kyi, P.P. - "Pharaoh" by Bolesław Prus. p. 213.
Kryvstians'ka, N.Kh. - Characteristics of Ivan Olbracht's works written during the 1920's. p. 245.
Vlasiuk, V.P. - Polish proletarian prose in the twenty years between the two wars, 1918-1939. p. 260.
Vengerov, L.M. - Poetic landscapes by Wanda Wasilewska. p. 290.
Zakharchevs'ka, V.O. - Contemporary poetry of Bulgaria. p. 309.
Sytyl'ova, O.V. - New Bulgarian publication of works by T.H. Shevchenko. p. 322.
Stanchuk, V.I. - M. Mohar's monograph "Friendship of Taras Shevchenko with the Czechs and Slovaks." p. 327.
F.P. - M. Nevrlý's book "T.H. Shevchenko, revolutionary poet of the Ukraine." p. 328.
Balashchuk, B.I. - Slovak folktales in Ukrainian translation. p. 329.
Romanchenko, I.S. - Bulgarian "Diary of M.P. Drahomanov." p. 333.
In foreign countries. p. 336.
In the Ukraine. p. 340.

NASH SOVREMENNIK [OUR CONTEMPORARY]. Organ of Soiuz pisatelei RSFSR [Association of Writers of the R.S.F.S.R.]. Moscow, vol. 5, 1963.

NOVAIA INOSTRANNAIA LITERATURA PO LITERATUROVEDENIIU [NEW FORLIGN LITERATURE ON THE STUDY OF LITERATURE]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no 10, 1963.

NOVYI MIR [THE NEW WORLD]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, vol. 38, no. 6, June 1962.

Table of contents translated:

Rzhevskaia, E. - Gravity of the earth, a tale. p. 3.
Grossman, Vas. - The road; a story. p. 96.
Kazakova, Rimma. - When bird-cherry trees are abloom; verse. p. 102.
Kross, Jaan. - From my first book of verse. Translated from the Estonian by L. Toom and D. Samoilov. p. 103.
Ehrenburg, I. - People, years, life (conclusion). p. 106.
Verse of Hungarian poets:
József, Attila. - Mother; After the burial; Charming women of days gone by...; You have crossed the road. p. 153.
Babics, Mihály - Gypsy song p. 155.
Juhász, Gyula. - Drunkard, Kaisergruft p. 157
Introduction and translation by Nikolai Chukovskii
Dorosh, E - Books about our ancestors p. 159
Temchin, E - Life demands. p. 165.
Andreev, Kirill - My universe. p. 173.
Granin, D - Island of the young. p. 190.
Kondratovich, A. - Man at war, remarks of a critic p. 216
Palievskii, P - Phantoms, the bourgeois world in novels by Graham Greene p. 229.
Turkov, A - Path around the Earth. p. 244.
Starikova, E - Story of a family. p. 246.
Arutiunov, L. - Homer of the mountains. p. 249.
Orlova, R. - In the campaign for realism. p. 253
Lazarev, L - Fulcrum p. 255.
Rud', Dm - One of a few. p. 260.
Tsunts, Mikh. - Bridge into tomorrow p. 262.
Bialain, I. - A book about Lenin's older brother p. 265
Gabinskii, Nikolai - Free territory of America. p. 267.
L'vov, Sergei. - A great book about a long voyage p. 270.
Mogilevskii, B. - The taciturn Professor Fleming p. 274
Iglitskii, A. - Chess poetry. p. 276
Shaginova, L - Letter signed by fifty people and S Esenin. p. 278
Brief book reviews p. 280.
New books p. 286.

PERGALE [THE VICTORY]. Organ of Lietuvos TSR tarybinių rasytoju sajunga [Association of Soviet Writers of the Lithuanian S.S.R.]. Vilnius, no. 12, 1963. [In Lithuanian]

PROSTOR [WIDE-OPEN SPACES] Organ of Soiuz pisatelei Kazakhstana [Association of Writers of Kazakhstan]. Alma-Ata, vol. 30, no 12, Dec 1963

RADIANS'KE LITERATUROZNAVSTVO [SOVIET LITERARY REVIEW]. Organ of Instytut literatury im. T.H. Shevchenka Akademii nauk URSR and Spilka pis'mennykiv Ukrainy [Shevchenko Institute of Literature of the Academy of Sciences of the Ukrainian S.S.R. and the Association of Writers of the Ukraine]. Kiev, vol. 7, no. 6, Nov.-Dec. 1963.

Table of contents translated:

Volyns'kyi, K.P. - A reliable guide. p. 3.
Kryzhanivs'kyi, S.A. - A poet and his time. p. 8.
Zatons'kyi, D.V. - The novel and a discussion of its literary form. p. 18.
Khrypko, K.O. - "Molodniak," a literary organization in Kiev. p. 33.
Ponomariov, P.P. - Pavlo Hrabovs'kyi as literary critic. p. 42.
Chamata, N.P. - Poet of an intelligent mind and a clever heart. p. 54.
Hireev, D.A. - Light of the distant stars. p. 67.
Plisets'kyi, M.M. - Creative quests and literary achievements of Chingiz Aitmatov. p. 78.
Babyshkin, O.K. - The art of literary portrayal. p. 96.
Ollinyk, M.M. - D.I. Evarnitskii. p. 103.
Losyh, V.M. - "Arsenist," a story by V. Stefanyk. p. 113.
Aizenshtok, I.IA. - Works and letters of a democratic poet. p. 127.
Leshchenko, P.IA. - First textbook of children's literature for the institutions of higher education. p. 131.
Dikhtiar, S.I., Karpenko, O.I. - Study on a writer's creative thought. p. 132.
Koliada, H.I. - Pamva Berynda's dictionary. p. 135.
Polick, V.T. - The author of "Marks." p. 138.
Sorokovs'ka, S.V. - M.I. Pavlyk; materials for the bibliography of his works. p. 141.
D.O. - Word of the party is a call for action. p. 146.
Zamotil, T.P. - In memory of Lesia Ukrainka. p. 147.
L.K. - A conference devoted to the 110th anniversary of V.G. Korolenko's birth. p. 148.
Latina's'kyi, V.G. - The 90th birthday of a scholar and writer. p. 149.
Production plans of Ukrainian publishing houses for 1964. p. 150.
Letter to the editor. p. 153.
V.P. Vlasenko, obituary. p. 154.

SHARK IULDUZI [STAR OF THE EAST]. Organ of the Association of Soviet Writers of Uzbekistan, Tashkent, vol. 31, no. 12, Dec. 1963. [In Uzbek]

SHARKI SURKH [THE RED EAST]. Organ of the Association of Writers of Tajikistan, Dushanbe, no. 10, Oct 1963. [In Tajik]

SIBIRSKIE OGNI [SIBERIAN LIGHTS]. Organ of Soiuz pisatelei RSFSR and Novosibirskoe otdelenie Soiuza pisatelei [Association of Writers of the R.S.F.S.R. and the Novosibirsk Branch of the Association of Writers]. Novosibirsk, vol. 41, nos. 11-12, Nov.-Dec. 1963.

SOVETSKAIA PECHAT' [SOVIET PRESS] Issued by Soiuz zhurnalistov SSSR [Association of Journalists of the U.S.S.R.]. Moscow, no. 11, Nov. 1963.

Table of contents translated

Along the course laid out by Lenin. p. 1.
Khrushchev, N.S. - Talent and work for high goals! p. 3.
Ambarova, T. - Giving the hand of friendship p. 7.
Efimov, B. - Specially important. p. 14.
Bannikov, V., Voroshilov, P - Bring the starting construction projects under control. p. 17.
Morozov, S - Be on the alert in every direction. p. 20
IUdovich, I - Even though there are unpleasantnesses. p. 23.
Temchin, E. - A pen? It's not enough! p. 24.
Frolov, L. - Antipitsa. p. 25.
Podol'skii, B. - Alpha and omega. p. 27.
Akhunzianov, T. - Here are our reserves! p. 28.
Chernavskii, I. - Fine harmony. p. 31
Zlatopol'skii, Z. - Goals, points, seconds - and only those? p. 32.
Eremina, A. - About ourselves and our work. p. 35.
Mezhov, E. - On the screen and beyond the screen. p. 36.
IUrchenko, V. - Where success came from p. 39.
Glorious history of Lenin's great party p. 43
Books written by journalists. p. 44.
Pevzner, M. - Siberian character. p. 45.
Kanep, R., Golubkova, R. - From A to Z. p. 47.
Letters to the editor. p. 48.
Piradova, M. - There weren't indifferent people here! p. 50.
Great and important tasks. p. 54.
Word of truth, freedom, and peace. p. 56.
Davydov, I. - What kind of a commentary do we have here! p. 58
Afonin, M. - What worries the advocates of imperialism. p. 60.
Saparin, V - Familiar handwriting. p. 62.

SOVREMENNIK [CONTEMPORARY]. Toronto, no. 6, Dec. 1963.

TAVAN ATAL [NATIVE VOLGA]. Issued by the Association of Soviet Writers of Chuvashia, Cheboksary, no. 5, Sep.-Oct 1963 [In Chuvash]

VOPROSY LITERATURY [PROBLEMS OF LITERATURE]. Organ of Soiuz pisatelei SSSR and Institut mirovoi literatury Akademii nauk SSSR [Association of Writers of the U.S.S.R. and the Institute of World Literature of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 10, Oct. 1963.

Table of contents translated

Petrov, St. - Greatness of an art bearing the truth. p. 3.
Zel'dovich, M., Livshits, L. - "Nature of the warrior" p. 26.
Shashkin, Z - Friendship of literatures is a friendship of languages. p. 50.
Nepomniashchii, V - Today, here, now! p. 56
Gal'perina, E. - Tempest and calm in the Caribbean Sea. p 80
Ivasheva, V. - Realistic novel of modern Nigeria. p 109
Mitin, S - Culture at the crossroads. p. 126
Il'inskii, L - Eruditions from "Books abroad." p 132
Gorin, A. - Aspect of retaliation. p. 135.
Pujmanova, M. - Acknowledgements and reflections. p. 139.
Majerova, M. - "Ticket to eternity...." p. 150.
Mihač, V. - Soldier of the vanguard. p. 164
Svetov, F. - Birth of a character. p. 171
Vasina, M. - Freshness of a view. p. 189
Arutiunov, L. - Book by a Russian critic on Georgian poets. p. 191.
Putilov, B. - At the sources of an epic. p. 195.
Opul'skaia, L. - Book of many generalizations. p. 199
Bregova, D. - Ideas and images of Dostoevskii p. 202.
Elshikina, N. - Edgar Poe, his life and works p. 206.
Motyleva, T. - Road to lucidity. p. 211.
Strel'tsov, A. - Creative aspect of an authoress p. 214.
Karpov, A. - Repetition in lieu of an analysis. p. 216.
Pavlovskii, A. - More independence! p. 218.
Kokorev, A. - "Comprehensive catalog" p. 220.
Frizman, L. - Poetry "in plan" and "in aspect".... p. 222
Narskii, N. - Coryphaeus of three Slavic literatures. p. 224.
Amid periodicals and newspapers. p. 227
Feleki, L. - The critic. p. 231.
Kuprin, A. - Love of Arman and Henrietta. p. 232.
Fidrovskii, A. - I would. p. 234.
Khazin, A. - Jules Verne. p. 235.
Twain, M. - From scientific reports of the Institute for Applied Knowledge in Indianapolis. p. 235.
Kamov, B. - Poor children. p. 237.
Brief news. p. 240.

VOZROZHDENIE [RENAISSANCE]. Paris, no. 145, Jan. 1964.

ZNAMIA [THE BANNER]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U. S. S. R.] Moscow, vol. 33, no 6, June 1963

Table of contents translated:

Trifonov, IUrii - Thirst quencher, a novel (to be continued). p. 3.
Shchipachev, Stepan - Two poems. p. 69.
Tikhonov, Nikolai - People of great eminence, from the cycle "Pages of reminiscences." p. 70.
TSybin, Vladimir - Favorable wind, verse. p. 98.
Shukshin, Semen - First meeting, a story. p. 100.
Grashi, Ashot - Here lies my inspiration....", verse. p. 109.
Rather, Evgenii - Broad steppe, a tale about meetings and events in the virgin lands (to be continued). p. 112.
Niiazi, Fateh - Lenin's formula. p. 144.
L'vov, Sergei - Nothing has been fabricated.... p. 160.
Suchkov, B. - On times and realism (conclusion). p. 175.
Dymshits, Al. - Modernism is a foe of creativity. p. 189.
Zolotusskii, Igor' - On a distant shore. p. 204.
Poltoratskii, V. - Trickling spring. p. 218.
Sarkisian, Gagik - Quests of a poet. p. 219.
Shtikh, M. - In Hašek's footsteps. p. 220.
Matetskaia, L. - ...To go one's own way. p. 221.
Lesnevskii, Stanislav - Sudden simplicity. p. 221.
Vainberg, I. - Notes written by one of us. p. 222.
Maslennikov, V. - "Hearts of people, roads, cities...." p. 223.
Kivitskii, A. - Book with a smile. p. 224.

Vol. 33, no. 7, July 1963.

Tables of contents translated

Trifonov, IUrii - Thirst quencher, a novel (conclusion). p. 3.
Shkliarevskii, Igor' - Lenin in Shushenskoye, verse. p. 89.
Shukhmin, Ed. - Note, a story. p. 90.
Bezymenskii, A. - Unity, verse. p. 98.
Kaplinskaia, Elena - My dad stopped a train, a story. p. 99.
Rozhdestvenskii, Robert - Nomads; verse. p. 108.
Rather, Evgenii - Broad steppe, a tale about meetings and events in the virgin lands (conclusions). p. 112.
Kotel'nikova, Ksenia - Principal feature. p. 157.
Fish, Gennadii - Delegate to the Second Congress. p. 169.
Michelfelder, William - It's cheaper to die (to be continued). p. 189.
Peitsov, V. - Lyric poet and tribune. p. 200.
Shcherbina, Vl. - Inhumanity to modernism (to be continued). p. 212.
Vasil'ev, Sergei - Good tradition. p. 222.
Dymshits, Al. - Severity. p. 223.

Vol. 33, no. 11, Nov. 1963.

Table of contents translated:

Simonov, Konstantin. - Soldiers are made, not born, a novel (conclusion). p. 3.
Voznesenskii, Andrei. - Letter sent with poetry enclosed. p. 45.
Leonov, Leonid. - Evgenia Ivanovna; a tale. p. 70.
Zverev, Il'ia. - Bitter aftertaste; five short stories. p. 115.
Grebnev, A. - The Bistrița flows into the Bicaz Reservoir. p. 129.
Krivitskii, Aleksandr., and others. - Arrival and departure on the same day; a travel sketch (conclusion). p. 147.
Orlov, Vladimir. - Hundred variations on a theme of an old tale (to be continued). p. 166.
Anisimov, I. - Philosophy of creation. p. 193.
Mikhailova, L. - In unison with the intelligent hero. p. 203.
Berezkin, Gr. - In step with the times. p. 217.
Ivanova, Lenina. - Your life shall never end.... p. 222.
Lagina, N. - This song is about Bratsk. p. 223.
Filippovskii, N. - Smile of Miervaldis Birze. p. 224.

ZVEZDA [THE STAR]. Organ of Soiuz pisatelei SSSR [Association of Writers of the U. S. S. R.]. Leningrad, no. 5, May 1962.

Table of contents translated:

Saparov, A. - Four notebooks; narrative of the war years. p. 3.
Azarov, Vsevolod. - From the book "Ocean street", verse. p. 103.
Khalupskii, Igor' - First teacher, Home, verse. p. 106.
Dubrovin, Boris. - Years did I wait and suddenly it happened; Life casually felt by the wayside..., verse. p. 107.
Kholopov, Georgii. - Girl and dynamite, a story p. 108.
Ushakov, Nik. - Ballad of distant places, Birthmarks, Secret second of transition; verse. p. 111.
Krongauz, Anisim. - About the sea, the sky, the earth...; verse. p. 113.
Stroganov, Georgii. - From a Caucasian notebook; verse. p. 114.
Askenázy, Ludvik. - Five short preludes. Translated from the Czech by G Talitskii p. 115.
Nezval, Vítězslav, and others. - Verse of Czechoslovak poets Translated by Igor' Ivanov p. 122.
Borisov, Leonid - Visiting our friends. p. 125.
Zastavskii, D. - Holiday of the communist press p 137
Fedorov, R - Youthfulness of "Pravda." p. 144.
Lukashev, I - Roads leading to abundance, remarks of a director of a state farm p 150.
Golant, V. - Samuel the gendarme, a pamphlet. p 154
German, IUrii - About Gor'kii About Meierkhol'd. p 162
Girbov, Anatolii. - "Live!", from the cycle "Stories about the strong." p 172.
Kirichenko, A - Thousands of finds p. 178.
Efimov, R. - Train operating without a brakeman. p. 179
Malev, I., Podgornyi, I - Artificial blood vessels p 180.
Allanskii, IU. - Letter sent to Italy. p. 181.
Rudenko, S. - Recorder of centuries p. 182
Vikhotskii, L. - People of legendary courage. p. 184.
Dzens-Litovskii, A.I., Derpgol'ts, V.F - Mineral waters of the Northwest. p. 185
Gus, M - Art and happiness. p 187.
Afanas'ev, K - Novel about the heroism of people. p 195.
Koloskov, A - Jaroslav Hašek in revolutionary Russia. p. 201.
Kuz'michev, Igor'. - Man and the sun; on the book of verse "Man" by Eduardas Mieželaitis p 205.
Matveenko, K. - Against the wind; on the tales "Simple sea" by A. Kirnosov. p. 207.
Gershkovich, Z - V. I. Lenin and problems of literary research p. 209.
Nappel'baum, I. - IUrii German's tale "Hello, Doctor!" p. 210.
Loginov, IUrii. - Il'ia Avramenko's book of verse "Turning toward the river." p. 210
Mikhailov, Igor' - M.Godenko's book of verse "Best name" p. 210.
Elshov, L. - V. B. Obolevich's monograph "History of Polish literature" p. 211
Manulov, V. - G. Berdnikov's monograph "A. P. Chekhov." p. 212.
Min, Evg. - Tree stump; a tale for adults. p. 213.
Vysokovskii, Zinovii - Man and signs, a short scene. p 215.
Gal'ba, Vladimir. - In a country of traditions and contrasts; from the English album of a cartoonist-tourist. p. 216.
Shamsha, Vladimir. - They came to an agreement..., a humoresque. p. 219
Melamed, TS., Perdman, K. - From a satirist's notebook. p. 219.
Foreign humor. Translated from the English by E Kuntsyn p. 219.
Aunt Dusia. - From the editor's wastebasket. p. 220.
Mournful notes. p. 221

12. GEOGRAPHY & GEOLOGY

a. ETHNOLOGY

SOVETSKAIA ETNOGRAFIIA [SOVIET ETHNOGRAPHY]. Issued by Institut etnografii Akademii nauk SSSR [Institute of Ethnography of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, Sep.-Oct. 1963.

Table of contents translated:

Apply in practice the resolutions of the June Plenum of the Central Committee of the CPSU. p. 3.
Smolitskii, V. G. - From the history of the Russian epic. p. 7.
Veletskaia, N. N. - Late stage of the history of Russian folk drama. p. 20.
Esbergenov, Kh. - Struggle against the remnants of obsolete customs and rites. p. 32.
Naulko, V. I. - Present-day ethnic composition of the population of the Ukrainian S. S. R. p. 46.
Skalnikova, O. - Ethnographical studies of the change in the mode of life of African cities. p. 60.
Markova, L. V. - "Share" landholding in the Rhodope region of Bulgaria; 19th century and the first quarter of the 20th century. p. 69.
Gvozdev, M. P. - The place of traditional folklore in the song repertory of the present-day White Russian village. p. 84.
Kirdan, B. P. - An unknown variant of the Ukrainian song "The escape of three brothers from the city of Azov, and from Turkish slavery." p. 92.
Latt, S. H. - Folklore collected by the Literary Museum of the Academy of Sciences of the Estonian S.S.R. p. 95.
Kerbelite, B. - Lithuanian legends about vanished cities. p. 99.
Mitrofanova, V. V., Fedorova, L. V. - Folklore expeditions to the Northern Dvina Valley. p. 109.
Verderevskaia, N. A. - A new record of the legend on Ivan the Terrible. p. 114.
Mirkhasilov, S. M. - From the history of the social life of the Uzbeks. p. 116.
Podol'skii, A. G. - Enlarged meeting of the editorial board of the journal "Sovetskaia etnografiia" dedicated to the evaluation of the review "The journal of Soviet ethnologists." p. 122.
Dvornikova, N. A., and others. - A meeting dedicated to the results of archaeological and ethnological field research made in 1962. p. 123.
Polishchuk, N. S. - A conference on the folklore of work. p. 129.
Dzhatygasinova, R. Sh. - The first coordinating meeting on Korean studies in Moscow. p. 133.
IAkimova, K. V. - Fourth meeting of the working organizational committee of the Seventh International Congress of Anthropological and Ethnographical Sciences. p. 134.
Nigomedzianov, M. N. - New records of Tatar folk music. p. 136.
Kravtsov, N. - Present-day folklore studies in Yugoslavia. p. 137.
Alekseev, V., Fainberg, L. - "Origin of human society" by IU. I. Semenov. p. 147.
Chistov, K. - "Origin of the epic; earliest forms and archaic monuments" by E. M. Meletinskii. p. 149.
Vainshtein, S., Guvich, I., Sokolova, Z. - "Historical and ethnological atlas of Siberia." p. 152.
Sokolova, V. - "Marxism and Russian folklore studies at the end of the 19th and beginning of the 20th century" by V. E. Gusev. p. 158.
Pomerantseva, E. - "Tales of Northern Russia as recorded by A. I. Nikoforov." p. 159.
Kolosnitskaia, I. - "Russian genre folk songs" by N. P. Kolpakova. p. 161.
Elatov, V., Kabashnikov, K. - A collection of the songs of the people of White Russia. p. 163.
Mitrofanova, V. - "Riddles." p. 165.
Guvich, I. - "The Yakut epic Olonkho" by I. V. Pukhov. p. 167.
Vainshtein, S. - "The Tuvinian epic" by L. V. Cheboksarov. p. 170.
Vil'chevskii, O. - "The book of my grandfather Bokarkut", Ghuz epic. p. 172.
Pomerantseva, E. - A new book on tales and tale tellers. p. 176.
Arutiunov, S. - A new French ethnographic journal. p. 177.
Voiozhelkina, E. - "Tales of the Oriental peoples." p. 179.
Bogina, Sh. - "Brass-knuckle crusade. The great Know-Nothing conspiracy, 1820-1860" [in English] by Carleton Beals. p. 180.

b. GEOGRAPHY

AKADEMIIA NAUK SSSR. Izvestiia. Seriia geograficheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geographical Series]. Moscow, no. 6, Nov.-Dec. 1963.

Table of contents translated:

Mashbits, IA. G. - Changes in the structure and geography of the economy, and prospects for development of the socialist economy of Cuba, on the fifth anniversary of Cuban revolution. p. 3.
Gus, A. A. - General regularities in the interaction of the various forms of atmospheric circulation in the Northern Hemisphere. p. 15.
Zenkovich, V. P. - Streams of mud sediments above seashores. p. 27.
Romankevich, E. A. - Quaternary deep-sea deposits in the northwestern part of the Pacific Ocean and their significance for paleogeography. p. 35.
Zhirkov, K. F. - Dust storms in the West Siberian and Kazakhstan steppes. p. 50.
Grishin, G. T., Pavlenko, N. I. - Lower administrative territorial and production regionalization; using the example of Voronezh Province. p. 56.
Velichko, A. A. - Differences in the alluvium composition of the low terraces above the floodplains in the East European Plain. p. 62.
Danilov, I. D. - Special lithogenesis features of moraine-like Pleistocene deposits in the eastern part of Bol'shezemel'skaya Tundra. p. 70.
Zamoruev, V. V., Sel, I. I. - Ancient glaciation of the Upper Zeya Depression and the Tukuringa-Dzhagda Ridge. p. 76.
Morozov, V. A. - On the history of the development of river valleys in the central and lower Volga Valley. p. 81.
Cheremnykh, G. D. - New possibilities for using aerial photography in glaciological research. p. 89.
Zinger, E. M., Koriakin, V. S. - The 50th anniversary of the discovery of Severnaya Zemlya. p. 95.
Gellert, I. F. - Present-day views on peneplanation p. 102.
Solov'ev, S. L. - Connection of Scandinavian earthquakes with negative relief forms. p. 112.
Kulagin, G. D. - Second Plenary Session of the Committee on Economic Regionalization of the International Geographical Union. p. 116.
Neishtadt, M. I. - International Congress on Peat. p. 118.
Sochava, V. B. - Geographical zonality and polar antisymmetry. p. 122.
Nikonov, V. A., Pospelov, E. M. - "Linguistic analysis of hydronyms for the upper Dnieper Valley" by V. N. Toporov, O. N. Trubachev. p. 123.

Grin, A.M. - Water balance of the U.S.S.R. and its regulation. p. 129.
Zimina, R.P. - Acclimatization of animals is the basis for increasing fauna resources. p. 131.
Ortova, G.A. - Studies of ocean and sea coasts, p. 134
Lur'berg, D.A., Nikolaeva, R.V. - Problems of the Caspian Sea. p. 136.
Dunin, B.IA. - Toponymic seminar in Moscow. p. 140.
In memory of V.S. Klupt. p. 142.
Contents of nos. 1-6, 1963. p. 144.

AKADEMIIA NAUK SSSR. Institut merzlotovedeniia. Severo-Vostochnoe otdelenie. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Permafrost Institute. Northeastern Department. Transactions]. Yakutsk, no. 1, 1958.

Table of contents translated

Preface. p. 3.
Mel'nikov, P.I. - Development of the studies of frozen crustal zones in Yakutia p. 5.
Mel'nikov, P.I. - Designing reinforced concrete foundations for permanently frozen ground. p. 13.
Volkovskii, K.F., Votlakov, I.N. - Conditions governing the construction in the Mirnyy region in the Yakut A.S.S.R. p. 21.
Votlakov, I.N. - Laboratory studies of the adfreezing strength of soil and concrete. p. 29.
Volkovskii, K.F. - Creep of frozen ground in pure shear. p. 35.
Ogurtsova, G.A., Paul'sen, A.A. - Experience in starting water lines in Yakutsk during the winter. p. 46.
Bogoslovskii, P.A. - Construction of earth dams in the regions of permanently frozen ground. p. 52.
Arc, F.E. - Temperature measurements in thermal holes in artificial freezing of soils. p. 62.
Zil'berbord, A.F., Maizel', L.A. - Efficient mining of the Kangalassy lignite deposit in the Yakut A.S.S.R. p. 71.
Kuchurin, N.P. - Some problems in the construction of automobile roadbeds in the regions of permanently frozen ground p. 88.
Ivanov, N.S., Amenkov, IU.N. - Automatic multichannel photorecorder for geocryological observations. p. 101.
Efimov, A.I - New data on the interrelation of surface and underground waters in a section of a thick frozen zone. p. 111.
Anisimova, N.P. - Fluorine in the drinking water of central Yakutia. p. 125.
Ichetovkin, N.V., Skiol', R.L. - Mineral waters in the Aldan slope of the eastern Verkhoyansk Range. p. 134.
Grigor'ev, N.F. - Some characteristics of geological conditions associated with permafrost in the Ust'-Yana region in Yakut A.S.S.R. p. 139.
Kuznetsova, T.P. - Characteristics of geological conditions associated with permafrost on Yarok Island. p. 153.
Kuchurin, S.P. - Depressions in frozen ground of central Yakutia. p. 167.
Solov'ev, P.A. - Effect of the buildings of Yakutsk on the temperature of permanently frozen ground. p. 179.

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Izvestiia [GEOGRAPHIC SOCIETY OF THE U.S.S.R. Bulletin]. Moscow, vol. 95, no. 5, Sep.-Oct. 1963.

Table of contents translated:

Telepko, L.N. - Distribution of the branches of the national economy and formation of regional economic complexes. p. 395.
Al'brut, M.I. - Erroneous philosophical bases of the "unified geography." p. 400.
Borisov, A.A. - Climatic boundaries and characteristics of the U.S.S.R. territory during various geological periods. p. 406.
Selivestrov, IU.P. - Basic principles for scaling and preparing the legend of small-scale landform maps. p. 415.
Maksimov, E.V. - Glaciation of the northern and southern parts of the Shamsi Basin in the Kirghiz Ala-Tau. p. 420.
Voskresenskaia, E.A. - Vegetation on gypsoferous rocks in southwestern Turkmenistan. p. 430.
Nevskii, V.V., Rukhovets, A.B. - A.A. Tillo, an outstanding Russian geographer. p. 437.
Belov, M.I. - Is this new information about S.I. Dezhnev's voyage?; in reference to B.P. Polevoi's article. p. 443.
Alekseev, V.R., Filosofov, G.N. - Pygonal complex of the lakes of southern Yakutia and its origin. p. 446.
Kamolov, B.A. - Regionalization of the mountainous part of the Zeravshan Basin according to the formation conditions of the average perennial runoff. p. 448.
Sladkopevtsev, S.A. - Structure of reaches in the valleys of temporary channels in central Kazakhstan. p. 449.
Antykov, A.IA. - Characteristics of the eroded soils of dissolved sagging karst formations in the southwestern spurs of the Central Russian Upland. p. 450
IAblokov, A.A. - The Ak-Su glaciers. p. 452
Trube, L.L. - Origin of Lake Svetloyar in Gorkiy Province. p. 454
Chistovskii, O. - The traveler Platon Chikhachev, on the 150th anniversary of his birth p. 455
Shipurovich, V.IA. - In memory of M.N. Rimskii-Korsakov p. 457.
Grumm-Grzhimailo, A.G. - Who was the author of the article "On the characteristics of Siberia" published in "Kolokol" in 1860? p. 458
Bulnevich, D.V. - Notes on Kara-Bogaz-Gol. p. 459.
Burkova, M.V. - Several remarks on A.A. IAblokov's work "Causes of the catastrophic flood of the Angren River in 1959." p. 460.
Vilesov, E.N., Maksimov, E.V. - Nikolai Nikitich Pal'gov, on his 75th birthday p. 463
Petriaev, E.D., Sergeev, M.A. - Vasilii Nikolaevich Skalon p. 465.
Kvasov, D.D., Kireev, D.M. - Georgii Georgievich Samoilovich, on his 60th birthday p. 467
Tamrazian, G.P. - Geographical errors on the 1962 map of V.V. Belousov p. 469
Demin, L.A. - Valuable contribution to oceanographic literature p. 470.
Obruchev, V.V. - First geographical work in Soviet Russia. p. 472.
Kalterfel'd, G.N. - Discussion on the problems of space biology p. 474.
Agafonov, N.T. - In the Department of Economic Geography. p. 476.

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Kirgizskii filial. Izvestiia [GEOGRAPHIC SOCIETY OF THE U.S.S.R. Kirghiz Branch. Bulletin]. Frunze, no. 4, 1963.

Table of contents translated:

Otorbaev, K. - Academician L.S. Berg. p. 7.
Berg, L.S. - Recurring ethnographical subjects. p. 9.
Academician L.S. Berg's letters. p. 15.
Umurzakov, S. - L.S. Berg's papers not included in the bibliography of his work. p. 19.
Lunin, B.A. - L.S. Berg's role in the development of landform studies p. 21.
Turdakov, F.A. - Recollections about L.S. Berg. p. 33.
Il'iasov, A.T. - L.S. Berg as a hydrologist. p. 39
Kostromin, S.A. - L.S. Berg and the problem of loess origin p. 45.
Umurzakov, S. - L.S. Berg's role in the geographical study of Kirghizistan. p. 49.
Riazantsev, S.N. - The Issyk-Kul' Basin and the alpine areas adjacent to it. p. 57.
Il'iasov, A.T. - Ground regulation of the Chu River runoff. p. 60.
Umurzakov, S. - Interesting cartographic study. p. 77.
Orozaliev, S. - Valuable study on the economic geography of Kirghizistan. p. 81.
Brief news. p. 85.
Fink, V.G. - Vladimir Aleksandrovich Vasil'ev, on the 80th anniversary of his birth. p. 94.
Guzhin, G.S., and others. - Mikhail Mikhailovich Kartavov; on his 50th birthday. p. 97

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Ural'skii otdel. Zapiski [GEOGRAPHICAL SOCIETY OF THE U.S.S.R. Ural Branch. Annals]. Sverdlovsk, no. 2, 1955.

Table of contents translated:

Ivanov, A.A. - Evgraf Stepanovich Fedorov, a great scholar. p. 3.
IAstrebov, E.V. - Geomorphological regions of Sverdlovsk Province. p. 13.
Gorchakovskii, P.L. - Vegetation of the mountain tundras of the Urals. p. 39.
Poluzadov, N.B. - Sable of Sverdlovsk Province. p. 159.
Arkhipova, N.P. - In the Southern Kraka and Ural-Tau Mountains. p. 165.
Gvozdev, V.S. - Water resources of the Urals. p. 182.
IAstrebov, E.V. - Lake Polymskiy Tuman. p. 188.
Tarasevich, G.E. - Work of the Ural Branch of the Geographical Society of the U.S.S.R. p. 195.

GEOGRAFIIA I KHOZIAISTVO [GEOGRAPHY AND THE ECONOMY]. Issued by Geograficheskii fakul'tet Moskovskogo gosudarstvennogo universiteta [Geographical Faculty of Moscow State University]. Moscow, no. 12, 1963.

Table of contents translated:

Zvorykin, K.V. - Scientific bases of land classification according to its crop producing ability. p. 3.
Kuznetsov, G.A. - Economic valuation of land in connection with land utilization on the virgin-land state farms. p. 9.
Valov, V.S. - Changes in the geography of rural settlement in the old populated districts of the Virgin Territory; based on the example of Fedorovskiy District, Kustanay Province. p. 13.
Sokolova, S.D. - Problems of developing new land in Khabarovsk Territory. p. 19.
Luchshev, A.A. - Meteorological conditions of dust storms in Stavropol in the spring of 1960. p. 24.
Lidov, V.P., Orlova, V.K., Timofeneva, S.A. - Dust storms in Stavropol Territory and measures for controlling them. p. 29.
Golovenko, S.V. - Crop producing ability criteria for dividing relief forms according to their dimensions. p. 40.
Pavlenko, V.F. - Condition of transportation geography and the interregional relations of Central Asia. p. 43.
Pollakov, E.A. - Selecting the type of land transportation in northeastern U.S.S.R. p. 49.
Gnatiuk, L.V. - Several features of the economic geography of the city of Odessa. p. 55.
Antonova, I.F. - Characteristics of the economic geography of Canada. p. 63.
Saushkin, IU.G. - Geographical environment of human society. p. 67.
Konovalenko, V.G. - In reference to S.V. Kalesnik's article "On 'monism' and 'dualism' in Soviet geography." p. 78.
Shapalin, B.F. - Valuable book on the Soviet North. p. 88.
Anuchin, V.A. - New book with old ideas. p. 93.
Urusova, N.T. - Geography in university and pedagogical institute publications for 1960; continuation. p. 94.

LENINGRAD. ARKTICHESKII I ANTARKTICHESKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT. Trudy [ARCTIC AND ANTARCTIC SCIENTIFIC RESEARCH INSTITUTTE. Transactions]. Vol. 258, 1963.

Contents. [Aerologic observations made by polar stations from January 1 to June 30, 1958. Book 2] Aerologicheskie nabliudeniia poliarnykh stantsii s 1 ianvaria po 30 iiunia 1958 g. Kniga 2. 1242 p.

LENINGRAD. GOSUDARSTVENNYI GIDROLOGICHESKII INSTITUT. Trudy [STATE HYDROLOGICAL INSTITUTE. Transactions]. No. 80, 1962. Voprosy prognozov ledovogo rezhima rek i ozer [Forecasting of ice conditions on rivers and lakes]

Table of contents translated:

Markevich, T.N., Aniskina, N.A. - Characteristics of the formation of fall-winter ice and forecasting of the appearance of ice on rivers of the Baltic Sea region. p. 3.
Stepanova, V.A. - Characteristics and forecasting of ice conditions on the Onega Lake. p. 66.
Makarevich, T.N., Efimova, Z.A. - Characteristics of fall-winter ice conditions on the Danube River. p. 126.

PROBLEMY ARKTIKI I ANTARTIKI [PROBLEMS OF THE ARCTIC AND THE ANTARCTIC]. Issued by Arkticheskii i antarkticheskii nauchno-issledovatel'skii Institut [Arctic and Antarctic Scientific Research Institute]. Leningrad, no. 14, 1963.

Table of contents translated

Girs, A.A. - Trend and coordination of studies in the field of long-range meteorological forecasting. p. 5.
Doronin, IU.P. - Numerical method for calculating the thickness and temperature of ice. p. 17.
Shesterikov, N.P. - Some characteristics of the change in the albedo of the ice in the Arctic in the summer. p. 27
Pavskii, E.I. - Operational expenses of liner icebreakers and the method of determining them. p. 33.
Slepstsov-Shevlevich, B.A. - Short period disturbances of solar activity and the possible causes of the nonuniformity of their relationship with the oscillations of hydrometeorological elements. p. 41.
Kopanev, I.D. - Role of meteorological conditions in the formation of snow-ice surfaces in Antarctica. p. 47.
Klinov, N.I. - Oceanographic research in the central Arctic. p. 53.
Khelsin, D.E. - Propagation of long gravity waves in the sea covered with pancake ice. p. 61.
Lavrov, V.V. - Additional justification for the hypothesis of the constancy of absolute elongation in the disintegration of ice. p. 67.
Spichkin, V.A. - Role of thawing in forming the relief of the upper surface of old ice. p. 71.
Mikhailov, I.S. - Soils in the northeastern part of Faddey Island. p. 75.
Shvaishtein, Z.I. - Standard charges for blasting ice. p. 83.
Nefrdov, V.A. - Taking into account the orthodromic correction when sailing in high latitudes. p. 86.

REFERATIVNYI ZHURNAL, GEOGRAFIIA [JOURNAL OF ABSTRACTS: GEOGRAPHY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no 12, Dec 1963.

VOKRUG SVETA [AROUND THE WORLD]. Issued by TSentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin] Moscow, no. 11, Nov. 1963.

Table of contents translated:

Firstborn of a big waterfall. p. 1.
Gurvich, L. - Tourist paths of Il'ich. p. 2.
Experiment of Bavly p 6.
The ancient mine came to life p. 7.
Submarine automatic camera p. 8.
Khalchenko, V. - Younger brother of Komsomol'sk. p. 9.
The red flag in the Arctic. p 12.
Zelenko, G - On the roads of the universe. p. 20.
Gorchakov, O. - The olive branch and the arrows. p. 24.
Gerasimov, Iosif. - Island of seven winds p. 27.
Aldan-Semenov, Andrei. - Golden circle. p 33
Tarlakovskii, M. - Mountain pass that Fedchenko was looking for. p 38.
Mozheiko, Igor'. - Arakan, the coast of fishermen. p. 40
Colorful world. p. 42
Tabrenik, Harry - Prague; the centuries and the years. p 44
Svet, IA. - Pilot of colonizers p. 47
Carlsson, Stig, Alassia, Franco - Angeli and tears of Sicily. p. 50.
"Kvaukhlikhal." p. 55
Bradbury, Ray. - Strawberry window p 56.
Greilich, E R. - Lions of the Good Lord. p. 59.
Chlenov, Anatolii. - Autumn. p. 60.
Photographic competition of the periodical "Vokrug sveta." p. 62.
Vinogradov, A. - "Listen to the silence...." p 63.

VOLOGODSKII KRAI [VOLOGDA REGION]. Issued by Vologodskii otdel Geograficheskogo obshchestva SSSR and Vologodskii oblastnoi kraevedcheskii muzei [Vologda Branch of the Geographic Society of the U.S.S.R and Vologda Province Museum for Regional Studies]. Vologda, no. 3, 1962.

Table of contents translated:

Khmel'nitskii, A. - The Volga-Baltic Sea Waterway is an important construction project of the seven-year plan. p. 3.
Aristarkhov, K. - Strides of the seven-year plan. p. 13.
Petukhov, P. - Herringbone arrangement of milking parlors on farms. p. 18.
Khaikin, I. - Vologda export. p. 28.
Kolesnikov, P. - Formation of economic and cultural centers in a village. p. 35.
Makarovskii, E. - In the Belozersk country. p. 44.
Veselovskaia, V. - New city settlements in Vologda Province. p. 50.
Rom, V. - The "glass" region in the Mologa Basin. p. 81.
Aristarkhov, K. - On the thresholds of fire. p. 91.
Vologda's new construction projects. p. 97.
Poletaev, A. - Space watchers. p. 100.
Tolokennikova, T. - Soil and geographical research in Vologda Province. p. 106.
Sazhinov, E. - Beavers on our territory. p. 114.
Toporkov, S. - Nature of Nikol'sk District. p. 127.
Antipov, N. - The winter of 1961-1962 in Vologda. p. 154.
Liapkina, A. - Scouts of the native region. p. 157.
Antipov, N. - Islands in the Sukhona River. p. 176.
Durov, A. - Comprehensive study of Vologda Province. p. 180.
A school atlas for students. p. 181.
"A hidden treasure" near Vytegra. p. 183.
The research station of "Borok." p. 184.
The 50th anniversary of the Dairy Institute. p. 184.
Persian walnut in Nikol'sk. p. 185.
Sharnin, P. - Silversmiths. p. 187.
Rekhachev, M. - Heiresses to century-old fame. p. 196.
Munin, A. - From Abramtsevo to Tot'ma. p. 208.
Zheleznlak, VI. - Man of boundless talent. p. 219.
Anosov, A. - A bard of the Belozersk region. p. 230.
Avdoshenko, N. - Pathfinder of the native region. p. 235.
Zheleznlak, VI. - Life dedicated to the theater. p. 237.
Blank, A. - A. A. Vaneev, Il'ich's companion in arms. p. 240.
Shan'gin, A. - Life in struggle. p. 251.
Garnovskii, V. - A search for words. p. 263.
D'iakonitsyn, L. - The province archive today. p. 270.
Rastorgueva, N. - The Vologda Museum is forty years old. p. 275.
Panikarovskaia, T., Shitov, V. - Study of popular Vologda dialects. p. 279.

Pshman, A. - Preparation for the abolition of serfdom in the Vologda Government Committee. p. 288.
IAkushin, N. - New data on P. V. Zasodimskii's life and work. p. 309.
The Vologda Branch of the Geographical Society of the U.S.S.R. in 1960 and 1961. p. 322.
[MICROFILM]

c GEOLOGY & PALEONTOLOGY

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia Geologicheskie i geograficheskie nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S S R Bulletin Geological and Geographical Sciences] Erivan, vol 16, no 4/5, 1963

Table of contents translated

Bal'ian, S A - Pollens and spores from Baku sediments of Baku Yarus Mountain (Azerbaijan S S R) p 3
Movsesian, M A - Lithological outline of the salt-bearing layer in the Erivan region p 9
Petrosian, I Kh - Genesis of clay minerals in Oligocene and Miocene sedimentary layers of the Erivan region, Armenian S S R. p 27
Sarkisian, O A - Stratigraphy of Cretaceous and Paleogene boundary layers in the northern and northeastern parts of the Armenian S S R p. 41
Arakelian, G S - Direction of normal and tangential stresses producing tectonic fractures p. 55
Gabrielian, A A - Recent tectonics and seismicity in the Armenian S.S.R. and the adjacent parts of the "Anticaucasus." p 63
Kocharian, V.G., Talan, R N - Direction of movements in the zone of the Debaklinskiy fault p 77
Balasanian, S I - Pre-Upper Jurassic intrusive complex in the Somkheti-Kafan zone. p. 89.
Gasparian, I G - Celestine in Lower Tertiary sediments in Ekhegnadzor District of the Armenian S.S.R p 103
Mkrtchian, Sv S. - Distribution of elements around the ore bodies in the Akhtala complex metal deposit. p 109
TSamerian, P P, Vartanesov, V E - Assaying of the Dzhindarinskoye deposit p. 123.
Zar'ian, R.N - Mineralization stages of the Kafan copper-complex metal deposit p 131.
Ataian, E A - Mean perennial runoff of the rivers in the Armenian S.S R p. 143.
Voskerchian, A Sh - Structural indicators for isolating the regions of tectonic complexes in Armenia for purposes of engineering geology p 155
Kiuregian, E A. - Determination of small quantities of lead in natural waters and water extracts from soils using the new Plumbon IREA reagent p 163
Chernyshov, N M, Shramkova, G.V - Find of the redeposited Upper Devonian spore complex in Jurassic sediments of the Alaverdi region. p 167
Saakian, V M - Role of a subvolcanic massif in the formation of vein-disseminated ores p 173
Posun'ko, A G - Exponent n in the formula for calculating the intensity of showers for Transcaucasia and the computation curve of the shower parameter of different durations p 177
Gabrielian, A A - Second All-Union Conference on Tectonics and the Problems of Tectonic Studies in the Armenian S.S R p. 179

*AKADEMIIA NAUK SSSR. Izvestiia Seriia geologicheskaia [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin Geological Series]. Moscow, vol. 28, no 7, July 1963.

Table of contents translated.

Kossovskaia, A.G., Shutov, V.D. - Facies of regional epigenesis and metagenesis. p. 3.
Abrakhmanov, K.A. - Primary and secondary igneous chambers as revealed by the study of alkali basaltoids in the northwestern spurs of the Talas Alatau. p. 19.
Veselovskaia, M.M. - Results of the petrographic study of the crystalline basement in the Russian Platform. p. 32.
Bauer, IA., Fiala, IU., Grzhikhova, R. - Moissanite from the Ceské Středohoří. p. 54.
Demin, A.M., Kropachev, S.M. - Stratigraphic significance of conglomerates with plagiogranite pebbles in Paleozoic layers of the Northern Caucasus. p. 69.
Rushentsev, S.V., Shvol'man, V.A. - Shift zone in the eastern Pamirs. p. 80.
Brandt, S.B., Voronovskii, S.N. - Quantitative interpretation of the kinetics of lead isotope separation from uranites. p. 93.
Tikhomirov, V.V., Bel'skaia, L.B. - Losses to science. p. 88.
Krasheninnikov, G.F., Tyzhkov, A.V. - New map of the distribution of coal-bearing sediments in the U.S.S.R. p. 94.
Literature on geology received by the library of the Department of Geological and Geographical Sciences of the Academy of Sciences of the U.S.S.R. in April, 1963. p. 98.
Timofeev, P.P., Bogoliubova, L.I. - Sessions of the International Commission of Coal Petrographic Analysis and Coal Petrographic Nomenclature. p. 109.

AKADEMIIA NAUK SSSR IAkutskii filial, Yakutsk. Trudy Seriia geologicheskaia [ACADEMY OF SCIENCES OF THE U S S R. Yakut Branch Transactions Geological Series]. Moscow, no. 9, 1963 Geologiia almaznykh mestorozhdenii [Geology of diamond deposits]

Table of contents translated:

Preface. p. 3.
Rozhkov, I.S. - Geological characteristics of diamond deposits and research problems. p. 5.
Erlikh, E.N. - Tectonics of the Anabar anticline and manifestation of kimberlite and trap-rock volcanism. p. 22.
Arsen'ev, A.A. - Fracture tectonics and the diamond potential of the eastern part of the Siberian Platform. p. 39.
Milashev, V.A., Rabkin, M.I. - Kimberlites of the Anabar-Olenek area and their genesis. p. 45.
Ilupin, I.P. - Mineralogical composition of kimberlites from various diamond-bearing regions of western Yakutia. p. 54.
Zol'nikov, V.G. - Products of metamorphism in the area of contact between kimberlites, enclosing rocks, and inclusions. p. 65.
Lebedev, A.A. - Alkalinity and differentiation of kimberlite magma. p. 80.
Luts, B.G., Nikishov, K.N. - Relation of the composition of garnets to their genesis. p. 99.
Lebedev, A.A., Smirnov, G.I. - Serpentinization in kimberlites. p. 103.
Rozhkov, I.S., Mikhalev, G.P. - Genetic types of the diamond-bearing placer deposits in the Malaya Botuobiya Valley. p. 106.
Prokopchuk, B.I., and others. - Diamond potential of the Lena Valley; new diamond-bearing area in the northeastern part of the Siberian Platform. p. 115
Plotnikova, M.I., and others. - Stratigraphy and lithology of "interstream pebble beds" in the Markha Tyung interfluve and paleography of the time of their accumulation in connection with the formation of diamond-bearing placer deposits in the middle Markha Basin. p. 123.
Odintsova, M.M., Smirnova, O.K. - Paleogeographic conditions of the formation of diamond continental and marine Jurassic placer deposits in the central and northeastern parts of the Siberian Platform. p. 142.
Timofeev, V.I., Gusev, G.S. - Distribution of diamond-placer deposits in the northeastern part of the Siberian Platform. p. 149.
Krutoyarskii, M.A. - Efficient method for compiling maps of areas of mineral concentrates. p. 155.
Savinasov, D.I. - Use of the paleomagnetic method for determining the age of kimberlites and trap rocks. p. 162.
Balakshin, G.D. - Development of an effective complex of geophysical prospecting for diamond deposits. p. 172.
Kravchenko, V.D., Bokii, G.B. - Some physical properties of natural and artificial diamonds and their dependence on the atomic structure. p. 178.

AKADEMIIA NAUK SSSR. IAkutskii filial, Yakutsk. Institut geologii. Trudy [ACADEMY OF SCIENCES OF THE U S S.R. Yakut Branch. Institute of Geology. Transactions]. Yakutsk, no 13, 1962. Printsipy sostavleniia mineragenicheskikh kart territorii IAkutskoi ASSR [Basic principles of compiling minerogenetic maps of the Yakut A.S.S.R.]

Table of contents translated:

From the authors. p. 3.
Basic principles of compiling minerogenetic maps of the Yakut A.S.S.R. and their contents. p. 5.
Specialized tectonic basis of the minerogenetic maps of the Yakut A.S.S.R. p. 11.
Paleogeographic maps of the Yakut A.S.S.R. p. 22.
Metallogenetic map. p. 32.
Map of placer deposits on the geomorphological basis p. 48.
Prognostic map of oil and gas occurrences in the Yakut A.S.S.R. p. 57.
Map of coal potential in Yakutia. p. 60.
Map of nonmetallic minerals. p. 65.

AKADEMIIA NAUK SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Geology of Ore Deposits, Petrology, Mineralogy and Geochemistry. Transactions]. Moscow, no 65, 1963. Prilodnye mineral'nye napolniteli, ikh resursy i ispol'zovanie v promyshlennosti, vol. 2. Issledovaniia v oblasti nemetallicheskikh poleznykh iskopaemykh [Natural mineral fillers; their resources and use in industry, vol. 2. Research in the field of nonmetallic minerals].

Table of contents translated:

Petrov, V.P. - Preface. p. 3.
Petrov, V.P - Natural mineral fillers; resources, possible kinds, and geological research problems p. 7.
Smolin, P.P. - Development of talc deposits and the talc industry in the U.S.S.R. p. 29.
Fin'ko, V.I. - Resources of the kaolin industry in the U.S.S.R. p. 40.

Sokolova, L.A. - Resources of chrysotile-asbestos in the U.S.S.R. p. 56
Andreev, Iu.K. - Resources of amphibole asbestos and possibilities of their utilization as fillers p. 61
Tolmakov, P.P. - Resources of vermiculite of the U.S.S.R. p. 71
Lozkov, A.S., Koloskova, M.V. - Use of natural mineral fillers in the rubber industry p. 79
Morashev, B.A. - Fillers for P.V.C. plasticizers and resin mixtures from new types of rubber for the electrical insulation of cables p. 88
Petrov, L.V. - Fillers for plastics p. 93
Lanov, S.N. - Mineral fillers in paper production and their industrial specifications p. 98
Pefen'kin, E.F. - Using fillers in the varnish and paint industry p. 104
Artonova, A.S. - Technical requirements in regard to the fillers for the production of graphite pencils p. 110
Shogam, S.M., Orlov, V.I., Fen'kova, E.I. - Mineral substances used as fillers for powdered insecticides p. 113.
Resolutions of the First Interdepartmental Conference on Mineral Fillers p. 120

AKADEMIIA NAUK SSSR. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Mineralogy, Geochemistry, and Crystallochemistry of Rare Elements. Transactions]. Moscow, no. 18, 1963. Eksperimental'no-metodicheskie issledovaniia v oblasti mineralogii i geokhimii redkikh elementov [Experimental and methodological studies in the field of mineralogy and geochemistry of rare elements]

Table of contents translated:
From the editors. p. 3.
Razenkova, N.I., Galaktionova, G.F. - Experimental study of the mode of occurrence of thallium in the oxidation zone of sulfide deposits. p. 5.
Razenkova, N.I., Kuznetsova, V.V. - Study of the mode of occurrence of molybdenum and rhenium in coals by electrodialysis. p. 20.
Komarova, G.N., Novorossova, L.E. - Indium in colloform cassiterite. p. 25.
Malevskii, A.Iu., Rikhter, T.L., Veres, G.I. - Lead-bismuth sulfo salts and isomorphic substitution of selenium for sulfur in them. p. 30.
Sobolev, B.P., Pashutin, V.P. - Fluoride transfer of beryllium in supercritical (vapor) solutions. p. 44.
Pashutin, V.P., Sobolev, B.P. - Fluoride transfer of tantalum in supercritical (vapor) solutions. p. 49.
Feklichev, V.G. - Practice in using "focal screening" in the immersion determination of mineral refraction indices. p. 53.
Mineev, D.A. - Use of the autoradiographic method in genetic mineralogy, geochemistry, and crystallomorphology. p. 60.
Rozanov, K.I. - Use of illustrations in petrographic and mineralogic studies. p. 65.
Dezsamerinaia, M.S., Soboleva, L.N. - New bismuth and silver telluride determined by modern micromethods. p. 70.
Feklichev, V.G. - Microcrystallomorphologic studies of the dissolving of beryl crystals. p. 85.
Lebedeva, S.I. - Study of the microhardness of beryl crystals. p. 107.
Lebedeva, S.I. - Possibilities of using the pressing-in method for testing the microhardness of minerals. p. 116.
Feklichev, V.G. - Likeness of microobjects to their enlarged images in optical studies. p. 124.
Lebedeva, S.I., Prokhorova, G.G. - Using a method for the determination of the specific gravity of minerals from a weighed microquantity. p. 133.
Feklichev, V.G. - Device for the study of mineral microgranules on the Fedorov universal stage without preparing thin sections. p. 139.
Khitarov, D.N., Vovk, I.P. - Improved conductometric method for the determination of carbonic acid microquantities in gas-liquid inclusions of minerals. p. 142.
Likhovich, V.V. - Losses occurring during the separation of accessory minerals from igneous rocks. p. 147.
Pikkat-Ordynskaia, A.P. - Flotation method for the separation of monomineral fractions. p. 151.
Sobolev, S.F. - Methods for the separation of accessory minerals from melanocratic igneous rocks. p. 159.
Feklichev, V.G. - Electromagnetic separation of dispersion complex-mineral mixtures in magnetically conductive liquids. p. 165.
Novorossova, L.E., Leonova, T.N. - Microanalytic methods of the analysis of simple tantalum-niobates. p. 168.
Fabrikova, E.A., Isaeva, A.G. - Joint flame photometric determination of strontium, calcium, and barium in natural samples. p. 175.
Sosnovskaia, L.I. - Spectrum determination of impurities in galenites. p. 186.

AKADEMIIA NAUK SSSR. Ural'skii filial. Sverdlovsk. Institut geologii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch. Institute of Geology. Transactions]. Sverdlovsk, no. 63, 1962. Zakonomernosti formirovaniia i razmeshcheniia poleznykh iskopaemykh na Urale [Characteristics of the formation and distribution of minerals in the Ural Mountains], vol. 2

Table of contents translated
Arkhangel'skii, N.I. - Geotectonic principles of prospecting for most important minerals in Mesozoic formations on the eastern slope of the Ural Mountains and trans-Ural Mountain region. p. 3.
Arkhangel'skii, N.I., Tuzhikova, V.I. - New bauxite-bearing formation in the eastern slope of the Ural Mountains and the principles of predicting the occurrences of Mesozoic bauxites p. 95
Bochkarev, V.S. - Tectonics of the Chelyabinsk coal-bearing basin and its oil potential. p. 113.
Vialukhin, G.I. - Effect of tectonics on the nature of Mesozoic sedimentation in the subarctic Ural Mountain region in connection with the estimation of prospects of finding oil, gas, and coal p. 141.
Zharkova, R.A. - Correlation characteristics of the terrigenous components of Upper Jurassic and Lower Cretaceous sediments in a new oil potential area of the trans-Ural region. p. 161

AKADEMIIA NAUK URSR, Kiev. Instytut geologichnykh nauk. Trudy. Seriia stratigrafii i paleontologii [ACADEMY OF SCIENCES OF THE UKRAININ S.S.R. Institute of Geological Sciences. Transactions. Stratigraphical and paleontological Series], Kiev, no. 37, 1963.

Contents: Afzenberg, D.E., and others. [Stratigraphy of Carboniferous sediments in the Donets Basin] Stratigrafiia kamennougol'nykh otlozhenii Donetskogo basseina 182 p.

GEOLOGICHNYI ZHURNAL [GEOLOGICAL JOURNAL]
Issued by Viddil khimichnykh i geologichnykh nauk Akademii nauk URSR and Holovne upravlinnia geologii i okhorony nadr pry Radi Ministriv URSR [Department of Chemical and Geological Sciences of the Academy of Sciences of the Ukrainian S.S.R. and Main Administration of the Geology and Conservation of Mineral Resources, Attached to the Council of Ministers of the Ukrainian S.S.R.]. Kiev, vol. 23, no. 5, 1963

Table of contents translated:
Shyrokov, O.Z., Alymov, D.T. - Tectonics and volcanism of the western Donets Basin. p. 3
Korzhyns'kyi, A.T. - Structure and formation of the Vyshkovo ore region and its prospects. p. 15
Kriandyevs'kyi, V.S. - First considerable finds of graptolites in Silurian sediments of western Volyn' and their stratigraphic significance p. 27
Mel'nyk, A.P. - Pebble-gravel detritus of the Balta series. p. 42
Hofshtein, I.D. - Tectonic position of the Bedro highland (northern Bukovina) p. 51.
Blank, M.IA. - Structure of the Upper Cretaceous formation in the Aydar-Derkul interfluve. p. 56
Kosyns'ka, A.V., and others. - Andesite-basalts in Transcarpathia of the Ukrainian S.S.R. as raw materials for obtaining cast stones p. 62
Kustova, T.I. - Volumetric study of landslides in a region of the Odessa coast. p. 72
Negoda, G.M. - Water encroachment of Quaternary sediments in the western Pripet Valley portion of Ukrainian Polesye p. 78.
Semenenko, V.M., Sheremeta, V.H. - New data on the time of the formation of Pliocene sediments in the southern part of the Ukraine. p. 80.
Bohaiets', O.T., Chernlak, N.IU. - Paleogeography of the Sivash Valley, northwestern region of the Sea of Azov and adjacent areas in the Lower Cretaceous epoch p. 85
Saidakovskyi, L.IA., Sokolov, V.A. - First paleontological dating of the Dnonovskaya series in the Donets Basin and its analogs in the Dnieper-Donets Lowland p. 91
Pan'kiv, A.M., Sterlin, B.P., Tkhorzhevs'kyi, S.A. - Cross section of Mesozoic sediments in the Kharkov key hole p. 96
Artsabka, A.L. - Upper Tortonian and Lower Sarmatian sediments in the inner zone of the Carpathian piedmont fault p. 100.
Bilyk, O.D., and others. - Stratigraphy of Jurassic sediments in the eastern Ukraine p. 102.
Petro Grigorovich Nesterenko; obituary. p. 104
Second All-Union Conference on Fractured Reservoirs. p. 105.
Results of the Second All-Union Conference on the Problems of Geochemical Prospecting for Minerals. p. 106.
Conference on Paleogene stratigraphy p. 108.
First colloquim on the study of fossil charophytes. p. 110.
Conference on the prospects of metal potential of the crystalline massif of the White Russian S.S.R. p. 111.

LENINGRAD. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GEOLOGII ARKTIKI. Informatsionnyi sbornik [SCIENTIFIC RESEARCH INSTITUTE OF ARCTIC GEOLOGY. Information Bulletin]. No. 30, 1962

Table of contents translated
Tyumen' Conference on "Characteristics of the Distribution of Gas and Oil Fields in the R.S.F.S.R." p. 5.
Dodin, D.A., and others. - Division of the trap formation in the northwestern margin of the Siberian Platform in medium-scale geological mapping. p. 8.
Tomanovskaia, IU.I. - Classification of effusive trap rocks in the northwestern part of the Siberian Platform. p. 22.
Golubkov, V.S., Atlasov, A.I. - Block structure of the Khantayka-Severnaya interfluve. p. 36.
Pavlov, A.V., Fokina, E.I. - Distribution of germanium in the cross section of a simple coal seam. p. 42.
Rubinovich, R.S., Zolotareva, N.IA. - Quantitative spectrum determination of nickel, cobalt, and copper in ore and minerals. p. 52.
Lozovskii, M.R., Rozen, B.IA. - Universal formula for the calculation of the solubility of gases in mineral waters. p. 62.
Gvirtz, D.I. - Geoelectric cross section of the left-bank part of the Yenisey trough. p. 67.
Patrunov, D.K. - Staining as an effective method for studying carbonate rocks. p. 72.
New literature on the geology and minerals in the Arctics and Antarctics. p. 83.

No. 31, 1962

Table of contents translated:
Gerasimov, L.M. - Stratigraphy of the Ignimbrite formation in the Kureyka and Lower Tunguska interfluve p. 5
Savitskii, V.E., Rudiachenok, V.M. - Stratigraphy of Cambrian dolomite formations in the western margin of the Anabar Shield p. 11
Bel'skii, M.S. - Stratigraphy of ancient metamorphic formations in the Lyapin region in the light of new data p. 25
Fadeev, V.A. - Rhythmicity of igneous processes as a basis for the division of lava formation. p. 36
Danilov, I.D. - Genesis of Pleistocene sediments in the eastern part of the Bol'shezemel'skaya Tundra. p. 46.
Orlov, I.M. - Hydrogen-sulfide springs in the Bol'shezemel'skaya Tundra. p. 54
Mikhailov, N.N. - Density of the intermediate layer in oceans. p. 61.
Rempel', G.G. - Concerning an ore indication of the intrusions in the Noril'sk region. p. 65.
Patrunov, D.K. - Origin of natural gases in the Noril'sk region. p. 67.
Karasik, A.M. - Method of averaged control route in aeromagnetic surveying p. 77
Karasik, A.M., Rubinchik, M.Kh. - A characteristic of variation correction in aeromagnetic surveying. p. 81.
New literature on the geology and minerals of the Arctic and Antarctic regions p. 84.

No. 32, 1962.

Table of contents translated:
Preobrazhenskaia, V.B., Ushakov, O.P. - Kind of diorites and syenite-diorites outcropping Permian sediments in the Yugor coastal area of Baydarata Bay p. 5
Borshcheva, N.A., Lazarenko, N.P. - Stratigraphy of the sediments of the Kuonamka horizon in the northern part of the Siberian Platform (Cambrian of the Sukhana Depression and the Kuoyka Upland). p. 8.
Lopatin, B.G. - Sinian sediments in the southeastern and eastern slopes of the Anabar Uplift p. 21
Semenov, IU.P. - Classification of sediments in the modern marine basins. p. 29.
Lavin, D.V., Krukov, S.M. - Secular variations of elements in certain places of the central part of the Soviet North. p. 32.
Pavlov, A.V., Gusev, A.I. - Accumulation of coals p. 37.
Starosel'tsev, V.S., Gil'kin, V.N. - Prospecting for copper-nickel ores based on the occurrence of boulders. p. 45.
Volkov, I.D. - Geological studies using vertical electric sounding in the Noril'sk region. p. 51
Spiro, N.S., Daniushevskaia, A.I. - New method for the quantitative determination of bitumens. p. 63.
New literature on the geology and minerals of the Arctic and Antarctic regions. p. 67

LENINGRAD. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GEOLOGII ARKTIKI. Sbornik statei po paleontologii i biostratigrafii [SCIENTIFIC RESEARCH INSTITUTE OF ARCTIC GEOLOGY. Papers on Paleontology and Biostratigraphy] No. 30, 1962.

Table of contents translated:
Ustritskii, V.I. - Basis for the correlation of Middle and Upper Carboniferous sediments in the Taymyr Peninsula and the northern part of the Verkhoyansk Range. p. 5.

Solomina, R. V. - Stratigraphy of Carboniferous sediments in the Verkhoyansk Range. p. 16.
Sosipatova, G. P. - Foraminifers from Upper Paleozoic sediments in the Taymyr Peninsula. p. 35.
Rasskazova, E. S. - Some Pteridospermae from Permian sediments in the Tunguska Basin. p. 73

LENINGRAD. VSESOIUZNYI NEFTIANOI NAUCHNO-ISSLEDOVATEL'SKII GEOLOGORAZVEDOCHNYI INSTITUT. Trudy [ALL-UNION PETROLEUM (SCIENTIFIC RESEARCH) GEOLOGICAL PROSPECTING INSTITUTE Transactions], No 210, 1963

Contents: Beskrovnyi, N. S., Gemp, S. D., Shvarts, T. V. [Deep faults in western Turkmenia and their role in the formation of oil pools] Glubinnye razlomy Zapadnoi Turkmenii i ikh rol' v formirovanii neftianykh zalezhei. 104 p.

No 212, 1963. Geokhimicheskii sbornik [Geochemical Papers], no 8

Table of contents translated:

From the editor p 3
Petrova, IU N - Nature of humic acids in connection with their find in the organic substance of sedimentary rocks p 5.
Katchenkov, S M - Geochemistry of the iron group elements in oils p 23
Nesmelova, Z.N., Rogozina, E A - Hydrogen in natural gases p 27
Skliar, I V - Genesis of tar-asphaltene components of oil p.36
Kapchenko, L N. - Natural synthesis of crustal hydrocarbons. p.41.
Kapchenko, L.N. - "Petroleum drops" in mineral crystals p.57.
Bogomolov, A I , Khotyntseva, L.I. - Low-temperature catalytic conversions of organic compounds on clays Report No 4: Conversion of oleastearic acid p.66.
Bogomolov, A I., Panina, K I - Low-temperature catalytic conversions of organic compounds on clays Report No 5: p 77
Bogomolov, A I., Khotyntseva, L I - Low-temperature catalytic conversions of organic compounds on clays Report No. 6: Conversion of hydroxystearic acid. p.87
Bogoroditskaia, N.I. - Metamorphism of disseminated organic matter in the Lower Paleozoic of the Siberian Platform. p 95
Kozolova, L.E., Shcheglov, A.P. - Possibility of finding oil in Cambrian sediments of the Minusinsk troughs. p.126.
Geiro, S.S. - Geochemical characteristics of petroleums in the Timan-Pechora area based on infrared absorption spectra. p.138
Kotina, A K , Chikhacheva, E.M. - Study of petroleums in the Mukhanovo field p.162.
Panina, K I. - Petroleums of Cambrian sediments in Yakutia. p.193.
Katchenkov, S.M , Plegontova, E.I. - Trace elements in pre-Cambrian sediments of the western part of the Lake Baikal region p.202
Bogomolov, A I., Katchenkov, S M - Brief reports on the results of creating new methods and apparatus in the All-Union Petroleum (Scientific Research) Geological Prospecting Institute in 1957-1960 p.213.
Glebovskaia, E.A. - Determination of some characteristics of the petroleum composition from infrared absorption spectra. p.220.
Mandrykina, IU A - Direct determination of oxygen in organic compounds by the method of microanalysis. p.230.
Adel'berg, I.M. - Precision method of determining isotope relations of light elements. p.234.
Beletskaia, S.N. - Improvement of the method of gas feed in the extraction of disseminated bitumens from rocks using high pressure equipment. p.246.
Geiro, S.S. - New methods of the luminescence analysis of bitumens. p.250.

MATERIALY PO GEOLOGII I POLEZNYM ISKOPAEMYM IRKUTSKOI OBLASTI [MATERIALS ON THE GEOLOGY AND MINERAL RESOURCES OF IRKUTSK PROVINCE]. Issued by Irkutskoe geologicheskoe upravlenie [Irkutsk Geological Administration]. Irkutsk, no. 2(20) 1961.

Contents: Danilovich, V. N. [Belt method in studying jointing associated with fault displacements; methodological manual] Metod poiasov v issledovanii treshchinovatosti, sviazannoi s razryvnymi smeshchenitami; metodicheskoe rukovodstvo. 46 p.

[MICROFILM]

MATERIALY PO GEOLOGII ZAPADNO-SIBIRSKOI NIZMENNOSTI [MATERIALS ON THE GEOLOGY OF THE WEST SIBERIAN PLAIN]. Issued by Novosibirskoe territorial'noe geologicheskoe upravlenie [Novosibirsk Territorial Geological Administration]. Novosibirsk, no. 3, 1962.

Table of contents translated:

Shpil'man, K. A. - Geology and hydrogeological characteristics of the Sargatskoye area. p. 3.
Babin, A. A , Babina, E A - Kolpashevo-Bakchar region of the West Siberian iron-ore basin p 131.

REFERATIVNYI ZHURNAL: GEOLOGIIA [JOURNAL OF ABSTRACTS: GEOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 12, Dec. 1963. Predmetnyi ukazatel' za 1962 g. [Subject Index for 1962]

SIBIRSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GEOLOGII, GEOFIZIKI I MINERAL'NOGO SYR'IA. Trudy [SIBERIAN SCIENTIFIC RESEARCH INSTITUTE OF GEOLOGY, GEOPHYSICS, AND MINERAL RESOURCES, Transactions]. Leningrad, no. 21, 1962 Biostratigrafiia paleozoia Salano-Altaiskoi gornoi oblasti. Vol. 3. Verkhnii paleozoi [Paleozoic biostratigraphy of the Sayan-Altai mountain area. Vol. 3. Upper Paleozoic].

Table of contents translated

Preface. p. 3.
Khalfin, L. L - Current state of the stratigraphic studies of the Carboniferous in the Sayan-Altai area. p. 7.
Benediktova, R. N. - Carboniferous of the Sayan-Altai mountain system. p. 9.
Graizer, M. I. - Carboniferous sediments in Minusinsk Lowlands. p. 45.
Benediktova, R N. - General paleontologic characteristics of the Carboniferous in the Sayan-Altai area p. 53.
Trizna, V. B. - Carboniferous Polyzoa. p. 55.
Novozhilov, N. I. - Crustaceans Carboniferous Conchostraca. p. 61.
Rodendorf, B. B. - Paleozoic insects in the Kuznetsk Basin. p. 61.
Khalfin, L. L. - Upper Paleozoic Lamellibranchiata. p. 68.
Obruchev, D. V. - Carboniferous fishes. p. 75.
Anan'ev, A. R , Sukhov, S. V. - Studies of the development of the Upper Paleozoic flora in the Sayan-Altai area. p. 76.
Dilagina, L. L., Kurbatova, A. A. - Carboniferous spore-pollen complexes. p. 94.
Description of guide fossils.
Lebedeva, N. S. - Phylum Protozoa. p. 100
Dobrolubova, T. A., Kabakovich, N. V. - Phylum Coelenterata. p. 115.
Trizna, V. B. - Phylum Bryozoa. p. 124.
Beznosova, G. A., and others - Phylum Brachiopoda. p. 143.
Phylum Arthropoda. Class Crustacea
Kapel'ka, V. I., Novozhilova, N. I. - Subclass Branchiopodoidea (Gnathostraca). p. 184.
Kapel'ka, V. I. - Subclass Maxillopoda. p. 187.
Maksimova, Z. A. - Class Trilobita. p. 188.
Rodendorf, B. B. - Class Insecta. p. 189.
Benediktova, R. N., Muromtseva, V. A. - Phylum Mollusca. p. 193.
Subphylum Vertebrata:
Obruchev, D. V. - Class Acanthodii. p. 212.
Obruchev, D. V. - Class Chondrichthyes. p. 213.
Vorob'eva, E. I., Matveeva, A. L. - Class Osteichthyes. p. 216.
Anan'ev, A. R., and others - Plantae. p. 220.
Dilagina, L. L., and others - Spores and pollens. p. 247.
Plates of specimens and related data. p. 261.
Khalfin, L. L. - Current state of stratigraphic studies of the Permian in the Sayan-Altai area. p. 361.
Betekhtina, O. A. - Permian sediments of the Sayan-Altai mountain area. p. 362.
Description of guide fossils:
Phylum Arthropoda. Class Crustacea:
Kapel'ka, V. I., Novozhilov, N. I. - Subclass Branchiopodoidea (Gnathostraca). p. 379.
Mandel'shtam, M. I., Roshetnikova, M. V. - Subclass Ostracoda. p. 389.
Rodendorf, B. B., and others - Class Insecta. p. 403.
Benediktova, R. N., Betekhtina, O. A. - Phylum Mollusca. p. 425.
Obruchev, D. V. - Phylum Vertebrata. p. 440.
Betekhtina, O. A., and others - Plantae. p. 442.
Dilagina, L. L. - Spore-pollen complexes. p. 479.
Plates of specimens and related data. p. 493.
Literature. p. 541.
Genetic index. p. 551.
Species index p. 555.
Index of regional stratigraphic subdivisions. p. 565.

*SOVETSKAIA GEOLOGIIA [SOVIET GEOLOGY]. Organ of Ministerstvo geologii i okhrany nedr SSSR [Ministry of Geology and the Conservation of Mineral Resources of the U. S. S. R.]. Moscow, vol. 6, no. 12, Dec. 1963.

Table of contents translated:

Teodorovich, G. I. - Geochemistry of authigenic minerals in sedimentary rocks. p. 3.
Momdzhi, G. S., Pastushenko, I. I. - Hypothetical evaluation of iron ore reserves. p. 19.
Vlasov, G. M., and others. - Geological prerequisites of the distribution of minerals in the eastern part of the U. S. S. R. p. 36.
Ialovlev, I. K. - Distribution of coals at different degrees of metamorphism in the western margin of the Tunguska Basin. p. 58.
Luneva, O. I. - Composition and sources of the clastic materials of conglomerates from Pre-Cambrian metamorphic layers of the Kola Peninsula. p. 66.
Kotov, N. V. - Some problems of the structure, geology, and petrology of granitoids in the western part of the Zeravshan Range. p. 89.
Ganeev, I. G. - Possible form of the transportation of silica in hydrothermal fluids. p. 103.
Vol'vovskii, B. S., and others. - Regional geophysical studies in central Asia and their further trends. p. 112.
Kazak, V. M. - Estimation of the structure complexity of the central surface of ore fields in the Krivoy Rog Basin. p. 118.
Andreev, L. I., and others. - New data on the structure of pebble formations in the Samur-Kusarchay interfluve. p. 123.
Konlukhov, I. A., Florovskaia, V. N. - Determination of the genetic nature of bitumens. p. 129.
Samsonov, B. G., Chizhikov, V. V. - Hydrochemical zoning of interstitial waters in northern Kazakhstan and conditions governing the exploitation of fresh waters. p. 133.
Korzhenevskii, I. B., Loenko, A. A., Cherevkov, V. A. - New data on landslide phenomena in the Crimean southern coast. p. 138.
Kireichev, V. D. - Structure of the surface of crystalline basement in the northwestern part of the Russian Platform in the light of new geophysical data. p. 142.
Efremova, S. V., IUnakovskaia, IU. V. - Distribution of dikes in the Kylchinskiy massif (central Kazakhstan). p. 145.
First symposium on the study of Gas-Fluid Inclusions in Minerals. p. 150.
Lukashov, G. N. - Concerning V. V. Pokrovskaia's book "Trilobite fauna and the stratigraphy of Cambrian sediments in Tuva." p. 157.
Letter to the editors. p. 158.
Index to articles published in "Sovetskaia geologiia" in 1963. p. 160.

13. SCIENCE

a. GENERAL

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Doklady [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Reports]. Baku, vol 19, no 4, 1963.

Table of contents translated:

Shafiev, R. A. - An iterative process for a nonlinear operator equation. p. 3.
Kerimov, K. A. - Determining the dynamic "stress - strain" curve with an inflection point. p. 11.
Kazymov, A. Sh., Pilatovskii, V. P. - Capillary pressure jump overcomes the paradox of displacement of the interface of ponderable fluids. p. 17.
Miskarli, A. K., Gurvich, M. M., Abduraginova, L. A. - Colloid and chemical method of controlling the flow of water in bound (clay) soils in irrigation systems. p. 23.
Rzaev, Kh. M., Dzhavanshirov, A. B. - Outlook for oil in the light of recent data on the southeastern edge of the Neftechala anticline. p. 27.
Samedov, F. I., Sultanov, Ch. A. - Penetration of oil into the gas condensate area during work on the depletion of horizon 7 of the Karadag field. p. 31.
Demikhovskaia, E. M., Kuznetsov, V. P. - Features of the attenuation of the energy from the surface focuses of earthquakes. p. 37.
Gasanov, R. K., Allakhverdiev, Sh. I. - Prehnite in ultrabasic and basic rocks of the Azerbaijani section of the Lesser Caucasus. p. 43.
Aliev, G. A., Stepanov, I. N. - Some characteristics and similarities of brown forest soils in the central Karabakh Steppe. p. 49.
Safarov, I. S. - Valuable and fast-growing species for plantations. p. 55.
Mamedov, A. G. - Some biological and morphological characteristics of goat grass (Aegilops L.) found in Azerbaijan. p. 61.
Liubarskaia, L. B. - New and rare species of mosses in the Caucasus. p. 69.
Burchak-Abramovich, N. I. - Domestic camel in the ancient Caucasus. p. 73.
Kadatskaia, K. P., Shirova, L. F. - Ixodid ticks and fleas in a tularemia focus of the Nakhichevan A. S. S. R. p. 79.
Abasov, I. T. - Proteins, protein fractions, nonprotein nitrogen and amino acids in the gastric juice under normal and pathological conditions. p. 85.
Iskenderli, V. A. - Technic of the surgeon in operating on strangulated femoral hernias. p. 89.
Musaev, M. A. - Construction of a special building for the Baku customhouse. p. 93.

'CADEMIA NAUK SSSR. Doklady [ACADEMY OF SCIENCES OF THE U.S.S.R. Reports]. Moscow, Vol 152, no 3, Sep 1963

Table of contents translated

MATHEMATICS:

Berezanskii, IU M. - Smoothness up to the domain boundary of a spectral function of a self-adjoint differential elliptic operator p 511.

Vershovskii, B S. - Algorithm for the optimization of production and the distribution of inhomogeneous products p.515.

Gorchakov, V N. - Asymptotic behavior of the spectral function of a class of hypoelliptic operators. p 519.

Delone, B N., Ryshkov, S.S. - Solution of the problem of the loosest latticed covering for a four-dimensional space by identical spheres. p.523

Dai N'e T'ong. - Preclosed mappings and A.D.Taimanov's theorem p.525.

Dubinskii, IU.A. - Some imbedding theorems in Orlicz classes. p.529.

Ibragimov, I.I., Dzhafarov, A.S. - Evaluation of a differential operator in the class of integral functions of finite power. p 533.

Kozlovtsev, S.G - Structure of measurable functions having no asymptotic derivative. p.537.

Krasnoselskii, M.A., Strygin, V V. - Computation of the rotation of completely continuous vector fields related to the problem of periodic solutions to differential equations. p.540.

Lavrik, A.F. - Theory of quasi-simple numbers. p 544.

Lizuk, IU.V. - Theory of tests for two normal samples. p.548

Malakhovskii, V.S. - Invariant construction of the differential geometry of a manifold of plane algebraic elements p.550

Mints, G.E., Orovkov, E.P. - Extension of V.I.Glivenko's and G.Kreisel's theorems to a certain class of formulas for predicate computation. p.553.

Mikhlin, S.G - Index of a system of singular equations. p.555.

Formenko, O.M. - Evaluations of Peterson's inner product with application to the theory of quaternary quadratic forms. p.559.

Shtraus, A.V. - Spectral resolutions of symmetric operators. p.563.

IArmukhamedov, Sh. - Growth of functions harmonic within a cylinder and growing at its boundary together with the normal derivative. p.567.

MATHEMATICAL PHYSICS.

Bilialov, R.F. - Conformal groups of transformations in gravitational fields. p.570.

Faddeev, L.D. - Separation of self-action and scattering effects under the perturbation theory. p.573.

PHYSICS:

Bakshiev, N.G. - New spectroscopic method for studying the anisotropy of electron transitions in polar molecules. p.577.

Borzunov, N.A , and others. - Studying a plasma on a traveling wave setup. p.581.

Kabalkina, S.S., Vereshchagin, L.F., Mylov, V.P. - Phase transitions in antimony under high pressure. p.585

Karpman, V.I. - Theory of weakly turbulent plasma. p.587.

Ol'khov, O.A., Provotorov, B.N. - Quantum statistical theory of ferromagnetic resonance. p.591.

TECHNICAL PHYSICS:

Kozlov, E.V., Popov, L.E. - Theory of the hardening of ordered solid solutions. p.595.

GEOPHYSICS.

Shvets, M.E., Shneerov, B.E. - A nonadiabatic model of atmospheric motions utilizing the results of radiation measurements from satellites. p.598.

CHEMISTRY

Aleksanian, V.T., Shcherbakova, O.A., Plate, A.F. - Raman spectra of alkyl and alkenyl derivatives of 1,1-dichlorocyclopropane. p.602.

Batsanov, S.S., Shestakova, N.A., Khripin, L.A. - Tin chalcogen chlorides. p.606.

Viktorova, I.M., and others. - Organogallium compounds of the Ar_3Ga class and their dioxanates. p.609.

Glushkova, V.B., Keler, E.K. - Polymorphism of lanthanum oxide. p.611.

Grinberg, A.A., Dobrohorskaia, A.I. - Difference of reactions of geometrically isomeric compounds $[PtA_2X_4]$. p.615.

Dvorlantseva, G.G., Struchkova, M.I., Sheinker, IU.N. - Integral intensities of infrared absorption bands of certain characteristic vibrations of cyclopentadienyl rings in ferrocene derivatives. p.617.

Kotel'nikova, A.S., Vinogradova, G.A. - Preparation of rhenium dichloromonoacetate and its derivatives with pyridine and thiourea. p.621.

Maniedaliev, IU.G., Babakhanov, R.A., Mageramov, M.N. - Introduction of a iodoisopropyl group into aromatic hydrocarbons in the presence of sulfuric acid. p.624.

Nesmeianov, A.N., Vil'chevskaia, V.D., Kochetkova, N.S. - Synthesis of 1-ferrocenoyl-2-carbomethoxyethylene. p.627.

Nefedov, O.M., Novitskaia, N N , Petrov, A.D. - Production of cyclopropane hydrocarbons by the reduction of dihalocarbene adducts to olefins. p.629.

Razuvaev, G.A., and others - Oxidation of alkyl organomercury compounds p.633.

Freidlina, R Kh., Terent'ev, A.B. - Homolytic isomerization of acetone di-n-butylmercaptole. p.637.

Shapovalova, L.P., Gorokhovatskii, IA.B., Rubanik, M.IA. - Effect of the products on the rate of isobutylene oxidation on a copper catalyst. p.640.

PHYSICAL CHEMISTRY:

Vishnevskaia, G.P., Kozyrev, B M., Fishkov, P.G - Paramagnetic relaxation in concentrated aqueous solutions of $(VO)^{2+}$. p.644

Gutman, E.E., Miasnikov, I.A - Effect of the adsorption of free radicals on the contact potential of n-semiconductors. p.647.

Deriagin, B.V., Al'tshuler, M.A. - On the capillary impregnation of spherical granules and diffusion extraction while in the stage of capillary impregnation. p.651.

Karpov, V.L., Sergeev, N.M., IUrkevich, V.G. - Molecular mobilities in latexes. Study by the method of nuclear magnetic resonance. p.655.

Knaster, M.B., Temkin, M.I. - Rate of ionization of hydrogen on active electrodes. p.658.

Kucheriavenko, N.S , Semenova, E.I. - Rate of nuclear relaxation as dependent on the symmetry of the Ti^{3+} complex in aqueous solutions. p.662.

Milinchuk, V.K., Pshezhetskii, S.IA. - Effect of ultraviolet light on free radicals in γ-irayed polypropylene. p.665.

Revina, A.A., Podsobliaev, A.P. - Radiolysis of piperidine studied by means of electron paramagnetic resonance. p 668.

Samsonov, G.V., Marchenko, V.I. - Electrophysical properties of lanthanum and cerium sesquisulfides. p.671.

Tutorskii, I.A., and others. - Study of the cyclization of rubber by the method of nuclear magnetic resonance. p.674.

Shamonin, IU.A., IAn, S.A. - Solvation of paramagnetic ions in alcohol aqueous solutions studied by means of nuclear magnetic resonance of high resolution. p.677.

GEOLOGY:

Andronov, S.M. - Karamalytash series and its stratigraphic position in the column of the eastern slope of the Southern Urals. p.680.

Bilicheva, G.I., Portnlagin, E.A. - Recent data on the Jurassic stratigraphy of the western part of the upper Amur Valley. p.684.

Vinogradov, V.A., Krasil'shchikov, A.A. - Age of the fold basement of the Olenek uplift in the Siberian Platform. p.687.

Gamaleia, IU.N., Zabrodin, V.E., Kogen, V.S. - Early Sinian volcanic sedimentary deposits of the southeastern Aldan Shield (Uchur River basin). p.690.

Komarov, IU.V., Kiselev, A.I. - Age of the Borgoyskiy formation in western Transbaikalia. p.693.

Kurdiukov, K.V. - Some regularities in the development of neotectonic shifts in Central Asia and adjacent areas. p.695.

Somov, V.D., Korobkov, I.A. - Stratigraphic significance and composition of mollusk fauna found in a section of the Maikop series of the TSraudon River (North Ossetia). p.698.

Chasovitin, M.D. - Recent data on the intracontinental Quaternary volcanoes of northeastern Asia. p.703.

HYDROGEOLOGY:

Kortsenshtein, V.N. - Some features of the water-pressure system of the Ciscaucasian Mesozoic. p.706.

PETROGRAPHY:

Chelishchev, N.F., Kuznetsov, V.A., Dikov, IU.P. - Experimental studies of the crystallization process of silicate melts corresponding to the composition of basic rocks. p.709.

GEOCHEMISTRY:

Zhuze, T.P., IUshkevich, G.N., Ushakova, G.S. - General regularities in the behavior of gas and oil systems at great depths. p.713.

Zatenatskaia, N.P. - Diffusion displacement of salts in clays of the Baku Archipelago region. p.717.

Kaveev, M.S. - Effect of carbon dioxide, formed during the destruction of oil fields, on the development of karst processes. p.721.

CYTOLOGY:

Vorotnitskaia, N.E., and others. - Luminescent microscopic study of normal and tumoral cells fluorochromated with acridine orange at different pH values. p.724.

HISTOLOGY:

Khomulo, P.S. - Significance of prolonged functional stress of the central nervous system in the development of arteriosclerosis in dogs. p.727.

Shkurko, V.I. - Histochemical characteristics of the secretion of the parotid gland in cats. p.730.

MICROBIOLOGY:

Gromov, B.V. - A new bacterium from the genus Microcyclus. p.733.

Krasil'nikov, N A., Duda, V I., Sokolov, A A. - External outgrowths in the spores of anaerobic bacteria of the genus Clostridium. p.735

BIOPHYSICS.

Kozlov, IU.P., Kalabukhova, T.N. - Effect of acrylamide and its hydrated derivative on irradiated biological systems. p 737.

BIOCHEMISTRY

Grechko, V V , and others. - Effect of heavy water on the properties of DNA and proteins p.740.

Leiman, M.I., Mant'eva, V.L., Georgiev, G.P. - Biosynthesis of ribosome ribonucleic acid p 744.

Mosolov, V V., Afanas'ev, P.V. - Effect of fatty acids on the enzymatic properties of trypsin. p.748.

Torchinskii, IU.M , Shpikiter, V.O - Interaction between sodium dodecyl sulfate and aspartate-glutamate-transaminase. p.751.

Uspenskaia, V D., and others. - Identification of α_3-protein in dogs with a haptoglobin. N- and C-terminal groups of α_3-protein. p.754.

PHYTOPATHOLOGY:

Sukhorukov, K.T., Plotnikova, IU.M. - Ectodesmata in plants injured by phytopathogenic fungi. p.758.

EXPERIMENTAL MORPHOLOGY

Bukhonova, A.I. - Microstructural changes occurring in experimental wounds under the influence of ascorbic acid combined with cortisone and ACTH. p.761.

EMBRYOLOGY:

Zotin, A.I., Pagnaeva, R.V. - Time for determining the position of fission grooves in the eggs of sturgeon and axolotl. p.765.

Vol 152, no 5, Oct 1963

Table of contents translated:

MATHEMATICS:

Barkhin, G S, Fomenko, V.T - Single-valued definiteness of a piecewise regular surface of positive curvature with a boundary conditon. p 1023

Blagoveshchenskii, IU N. - Differential properties of trajectories of diffusion processes depending on the parameters, and Cauchy's problem for degenerate parabolic equations. p.1027.

Brudovskii, B S - Countable conditions in locally convex spaces p 1031

Vasil'ev, F P., Uspenskii, A B - Use of the method of finite differences in solving Stefan's two-phase problem for a quasilinear equation p 1034.

Videnskii, V.S. - Zeroes of orthogonal polynomials. p.1039.

Gel'man, A.E - Simple solutions of operator equations in the case of branching p 1042

Gel'fand, I M. , Pliatetskii-Shapiro, I.I , Fedorov, IU G. - Determining the structure of a crystal by the nonlocal search method. p.1045.

Gol'dberg, A A - Increase of an integral function along the half line. p 1049.

Efremovich, V.A , Tikhomirova, E S - Continuation of an equimorphism to infinity. p 1051

Ibragimov, I I - Evaluating the norm of a linear operator in the class of integral functions of finite power p 1054.

Mamedov, R G. - Inequalities for polynomials and rational functions p 1058.

Manin, IU I - Proof of an analog of Mordell's hypothesis for algebraic curves over functional fields p.1061

Naimark, M.A. - Unitary representations of a Lorentz group in a 2_k space. p.1064.

Tret'iakov, V.D. - Line geometry in three-dimensional Klein spaces. p 1068

Flachsmeyer, J. - Dini-convergence in a functional space. p.1071.

Chernikov, S.N. - Convolution of finite systems of *linear inequalities* p.1075.

PHYSICS:

Semeichan, A.A., and others. - Variations in the electric resistance of PbS, PbSe, and PbTe at pressures up to 200,000 kg./cm^2 p 1079

Shuleikin, V.V - Ground experiments with weightless liquids p 1082.

TECHNICAL PHYSICS:

Andreev, L.A., Paige, IA. - Change in the electron work function during cold deformation of molybdenum and tantalum under superhigh vacuum. p.1086.

Kliatskii, L.G. - Inconsistency of the integral equation for antennas. p.1089.

Liubov, B.IA. -Solution of some kinetic equations in the theory of dislocations p.1092.

Chaevskii, M.I., Shatinskii, V F., Popovich, V V. - Thermomechanical treatment of machine parts to protect them from the weakening effects of surface-active media. p 1096.

CRYSTALLOGRAPHY

Kurbanov, Kh.M., Rumanova, I.M , Belov, N V. - Crystalline structure of probertite $CaNa[B_5O_7(OH)_4].3H_2O$. p.1100.

CHEMISTRY:

Ginsburg, V.A., and others. - Structure of the inclusion complexes of trifluoronitrosomethane with unsaturated compounds and the mechanism of their formation. p.1104.

Korshak, V V , Kronguz, E S , Berlin, A M - New method for the production of polypyrazoles p 1108
Mironov, V F , Gar, T K - Interaction of trichlorogermane with conjugated dienes p 1111
Nikolaev, A V , Afanas'ev, IU A , Riabinin, A I - Extraction system $Th(NO_3)_4$ - HNO_3 - H_2O - $(C_4H_9O)_3PO$ at 25 C studied by means of extraction rays p 1115
Petrov, A D , and others - Addition of silicon hydrides to dimethylallylferrocenylsilane in the presence of H_2PtCl_6 p 1118
Razuvaev, G A , and others - Reactions of organomercury and organolead compounds studied by the isotopic and mass-spectrometric method p 1122
Sokol'skaia, A M., Riabinina S A , Sokol'skii, D V - Hydrogenation on Pt and Pd during the feeding of the unsaturated compound at a uniform rate p 1126
Suvorov, N N , and others - Microbiological 20 α-reduction of keto steroids with the aid of Bacillus megatherium p 1130
Floshin, M IA , Kazakova, L I - Flow sheet of the anodic condensation of monomethyl adipate p 1132
TSitsishvili, G V , and others - Production and study of the properties of X-type zeolites in ammonium and hydrogen ion exchange forms p 1136

PHYSICAL CHEMISTRY

Averkin, A A , and others - Effect of tensile stress and hydrostatic-type pressure on the electroconductivity of thermally treated polyacrylonitrile p 1140
Buiachevskii, V A , Kholmogorov, V E , Terenin A N - Concentration effect in the absorption spectra and electron paramagnetic resonance of adsorbed molecular ions of anthracene p 1143
Vinnik, M I., Zarakhani, N.G - Kinetics and mechanism of the Beckmann rearrangement of cyclododecanone oxime in a sulfuric acid medium. p 1147
Damaskin, B B , Tedoradze, G A - Filling of the surface with organic substances when the potentials correspond to maxima on the differential capacity curves p 1151
Zhurkov, S N , Egorov, E A - Effect of tensile stress on molecular mobility in oriented polymers p 1155.
Ivanchev, S S , IUrzhenko, A I , Galiber, V I - Evaluation of the initiating activity of peroxides in polymerization reactions p 1159
Kissin, IU V , TSvetkova, V I., Chirkov, N M. - Determination of the degree of isotacticity of polypropylene from its infrared spectra p 1162
Mitsiuk, B.M., Vysotskii, Z Z. - Possibility of changing the texture of silicic acid xerogels in the process of vapor sorption p 1166
Moin, F B - Calculation of the activation energy of radical reactions based on the additivity principle p 1169
Sotnikov, A I , Esin, O A , Nikitin, IU P - Chemical polarization at high temperatures p 1173
Tomashov, N D , Strukov, N M - Effect of the alternating current frequency on the passivation of titanium p 1177

CHEMICAL TECHNOLOGY·

Gonik, A A - Effect of surface-active substances inhibiting hydrogen sulfide corrosion on the selective wetting of iron in the two-phase system electrolyte - hydrocarbon p 1181
Syrkus, N.P - Effect of irradiation techniques on the effectiveness of radiation-chemical processes p 1185.

GEOLOGY:

Altukhov, E N - Age factors of the Riphean intrusive in Sangilen (Tuva) p 1189
Anikiev, K A. - Neotectonic nature of anomalously high formation pressures in oil and gas fields in alpine geosyncline areas p 1192
Bukhartsev, V.P - Formation of local structures as a result of pulsations of regional tectonic pressures. p. 1196
Kamaletdinov, M A - History of the formation of the Ufa amphitheater in the Central Urals p 1200
Klitin, K A., Palei, I P , Postel'nikov, E S - Features of the morphology of structures of the eastern margin of the Yenisev Ridge. p 1204
Pliusnin, K P - Geotectonic zoning of the Central and Southern Urals p 1208
Samylina, V.A - Paleobotanic characteristic of continental Mesozoic sediments of the Zyryanka-Sliyap coal-bearing area (left-bank region of the Kolyma River) p 1212
Sollogub, V B , and others - Deep-seated structure of Korosten' pluton according to seismic data p 1215
Stepanov, I.S - Nature of the most recent tectonic movements on the western slope of the Central Urals. p 1218.

GEOCHEMISTRY·

Glazunov, V.V , Parchevskii, V P , Fleishman, D.G. - Change in the content of fractional fission products in Cystoseira of the Black Sea p 1222

GENETICS·

Lebedeva, L I., Osetrova, T D., Kerkis, IU IA. - Comparative radiosensitivity of the hereditary structures of cells in mammals in vitro. p 1225

BIOPHYSICS

Delone, N L , and others - New types of chromosome rearrangements in the microspores of Tradescantia paludosa under the influence of certain factors during spaceship flights p 1227
Krasnovskii, A A Erokhin, IU E , Guliaev, B A - Effect of temperature on the luminescence of bacteriochlorin and its state in photosynthetizing bacteria p 1231
Shtemgart, K M , Gol'tsman, F M - Some data on the mathematical treatment of muscular verbal stereotypes p 1235

BIOCHEMISTRY·

Braunshtein, A E , Gnuchev, N V , Poznanskaia, A A - Nonenzymic reamination of α-aminolevulinic acid p 1239
Koval'skii, V V , Shumkova, I A - Adaptive changes in the enzymes of the mammary gland in cows p 1243
Krotovich, V L , Bronovitskaia, Z S , Karlakina T I - Reductive amination of pyroracemic, oxalacetic and oxypyroracemic acids in plants p 1247

PLANT PHYSIOLOGY

Anikiev, V V - Some peculiarities of the formation of the male gametophyte in barley under the conditions of soil drought p 1250
Saliaev, R K - Mechanism of water absorption by plant roots p 1253

ZOOLOGY·

Roginskaia, I S - Dimorphism of sperms in some species of mollusks of the genus Coryphella Gray (Gastropoda, Nudibranchia) p 1256.

EXPERIMENTAL MORPHOLOGY

Fuks, B B , and others - Influence of some factors on the growth and differentiation of the connective tissue in the regeneration of the cornea, aorta, tendons and bones in biological frameworks p 1260

PHYSIOLOGY

Babskii, E B , Ul'ianinskii, L S - Mechanism of the stoppage of the ventricles of the heart by stimulation of the vagus nerve p 1263
Il'ina-Kakueva, E I - Distribution of the succinic dehydrogenase and DPN-diaphorase in the reticular brain formations of some mammals p 1267

EMBRYOLOGY·

Buznikov, G A - Use of tryptamine derivatives for studying the role of 5-oxytryptamine (serotonin) in the embryonic development of invertebrates p 1270

Vol 153, no 2, Nov 1963

Table of contents translated

MATHEMATICS.

Gabisonia, O D - Evaluation of the total best approximation of functions of several variables by partial best approximations p.265
Iokhvidov, I.S - Operators with perfectly continuous iterations p 258
Korotkov, V B - Representations of linear continuous operators by abstract functions, and the embedding theorems p 262
Maslov, S.IU - Some methods of representing a set in generation bases p.266
Platonov, V.P - Periodic subgroups of algebraic groups. p 270
Porpet, F.O - Stabilization of the solution to Cauchy's problem for a parabolic equation with variable coefficients. p.273
Romm, B D - Resolution into irreducible representations of the tensor product of two irreducible representations of a real unimodular group of the second order (case of two discrete series) p.276.
Ronkin, L.I. - On a certain characteristic of the position of some singularities at the boundary of a polycylinder and the application of this characteristic to integral functions of several variables. p.278.
Ryzhakov, I.IU - S.N Bernstein's problem. p.282.
Saklinovich, L A. - Certain properties of the discrete spectrum of Schrödinger's radial equation. p.286.
Skubenko, B.F. - Asymptotic behavior of integral matrices of the nth order and the integral invariant of a group of unimodular matrices. p.290.
Fet, A I. - Extremum problems for surfaces of bounded Gaussian curvature. p.292.
Shain, B M. - Theory of generalized groups p.296.
Shevchenko, V.I. - Construction of local and global homeomorphisms for a certain class of equations. p 300.

PHYSICS·

Zhurkov, S N., Slutsker, A.I., IAstrebinskii, A.A. - Effect of loading on the supermolecular structure of oriented polymers p.303.
Iiskevich, E.S., Popova, S.V., Atabaeva, E.IA. - Effect of pressure on the electric resistance of bismuth telluride. p 306.
Levinson, I B., Fel, S.S., Fridberg, P Sh. - Integral equation for the aperture field in the case when two volumes are connected electromagnetically. p.310.
Medvedev, B V. - Asymptotic condition stipulated by Lehman, Symanzik, and Zimmerman. p.313.
Suramlishvili, G.I - Kinetics of waves in a plasma. p.317.

GEOPHYSICS

Monakhov, F I - Use of long-period microseisms for obtaining information about oceanic storms p 321
Riznichenko, IU V , Kosminskaia, I.P - Nature of the stratification of the earth's crust and the upper mantle. p 323.

CRYSTALLOGRAPHY

Vainshtein, B K., Chistiakov, I G - X-ray study of the structure of liquid crystals with the aid of the distribution function p.326.
Sandulova, A.V - Production and determination of certain properties of whisker type and acicular single crystals in solid solutions of the system Ge - Si. p 330.

CHEMISTRY

Aliev, A D , and others - Stereospecific polymerization of trans-1-phenyl-1,3-butadiene. p 333
Vul'fson, N S , and others. - Mutual transformations of cyclols and cyclodepsipeptides studied by the method of fragmentary mass spectrometry p 336
Grinberg, A A , Postnikova, E.S - Instability constants of geometrically isomeric platodiammines p 340.
Derevitskaia, V.A , Zhurov, V G., Kochetkov, N K - Structure of group substances of blood. Proteolysis of the A group substance. p.342
Kasatochkin, V I , and others. - Infrared spectra of polyynes p 346
Levkoev, I.I., Sveshnikov, N N., Shirokova, N.E - Some transformations of quaternary salts of 2-β-chloropropenyl derivatives of heterocyclic bases p 350.
Mazilova, T N , and others. - Electron paramagnetic resonance study of the oxidation of aminoalkyl phenyls by benzene peroxide. p.354
Nesmeianova, O A., Lukina, M IU., Kazanskii, B A Reactivity of cyclopropane hydrocarbons as dependent on their structure p.357.
Nikolaev, A V., Bogatyrev, V.L , Vulikh, A I. - Study of ion exchange processes by means of physicochemical analysis. p.360
Riabova, T S , and others. - Synthesis of methyl ether of N-adenyl-5'-phenylalanine by the carbodiimide method. p 363
Ushakov, S.N , Tudorin, P. - Synthesis of boron derivatives of polyvinyl alcohol. p.366.

PHYSICAL CHEMISTRY·

Aleksandrov, A IU., and others. - Some features of the Mössbauer effect on Sn^{119} nuclei in organotin oxides. p.370
Bagdasar'ian, Kh.S., Sinitsyna, Z A , Mironets, V.I. - Two-quantum photochemistry. Proof of the second-triplet state molecules participating in the reaction p.374.
Deriagin, B.V., Smilga, V P. - Effect of the electromagnetic delay of molecular attraction on the coagulation concentrations of electrolytes. p.377
Podlovchenko, B I., Petrii, O.A., Frumkin, A N - Nature of the minimum observed on the potential displacement curves of a platinized platinum electrode when organic substances are introduced. p.379.
Roginskii, S.Z., Semenenko, E I., IAnovskii, M.I - Possibility of carrying out the catalytic dehydrogenation under chromatographic conditions. p.383
Smirnov, I.A., Morozov, N.M., Temkin, M.I. - Kinetics of ammonia synthesis when the catalyst is poisoned by water vapor. p 386.
Fialkov, A.S , and others - Amorphous state of natural graphite powders. p.390
Frolova, A A., Kozlov, P.V., Kargin, V.A. - Effect of mechanical factors on the rate of crystallization of isotactic polystyrene. p.394.
Fuks, G.I., Nikolaeva, N.I. - Effect of neutral electrolytes on coagulation interaction in a suspension of glass globules. p.398.
Chalkovskii, E.F., Platigorskii, G.M - Adsorption energy during ionization of atoms on a metal surface. p.401.

CHEMICAL TECHNOLOGY:

Chekhovskii, IU.V , Letrikh, V.E., Reitlinger, S.A. - Decrease in gas permeability of cement stones when electrolytes are added. p.405.
IAroslavtsev, A.S., Shurygin, P.M , Smirnov, V.I - Thermodynamic analysis of reactions involved in the autoclave leaching of sulfides. p.408.

GEOLOGY:

Artiushkov, E.V. - Basic forms of convective structures in sedimentary rocks. p.412
Valeev, R.N - Linear negative structures in the northeastern part of the Russian Platform. p 416
Valentsov, M.I , Levenko, A.I. - Permotriassic of the Turan Plateau. p.420.
Gamkrelidze, P.D., and others. - New data on the stratigraphy of Pre-Jurassic sediments in Svaneti p.424.
Gladun, V.A., and others. - Geophysical studies of the earth's crust in the transition zone from Antarctica to the Indian Ocean in the area between 55° and 100° E. p.427.
Grachevskii, M.M., Khachatrian, R.O., Komardinkina, G.N. - Reefy nature of the Khitkovo carbonate massif p.429.
Logvin, V.F. - Mosolovo horizon in the southwest of the platform part of Bashkiria. p.433.

Pavlov, E S. - New data on the regularities in the distribution of endogenetic mineralization in the Maritime Territory p. 136
Shustin, S I., Sollogub, V B., Chekunov, A V. - Crustal structure of the basic structural elements of the Ukraine. p 410
Chepikov, K.R., Medvedeva, V M. - Recent data on organic microfossils in the oils of the European part of the U.S.S.R p.441

OCEANOGRAPHY:
Vinogradi, V A., Panov, D G. - Composition and distribution of spores and pollens in the surface layer of marine sediments in the Mediterranean Sea. p 447.

CYTOLOGY
Vinitov, IA A. and others - Histochemical and ultrastructural changes in the receptor cells of the otolith in a changed gravitational field. p 450
Sestopalova, N M., Reingold'd, V N., Borisov, V M. - Submicroscopic structure of the needle-like crystals of epithelial cells of the intestinal mucous membrane and their place in the endoplasmatic reticulum system p 454.

GENETICS
Prof'eva-Bel'govskaia, A A., Veshneva, I V. - Spontaneous chromosomic injuries in embryonic human fibroblasts in vivo and in vitro p 457.

MICROBIOLOGY
Baliuskaia, R M., Erokhin, IU E. - Development of green sulfur bacteria and the formation of pigments by them in various regions of the spectrum. p 460

BIOCHEMISTRY
Belitsina, N.V., and others - Informational ribonucleic acid at early stages of the development of the embryos of the loach (Misgurnus fossilis) p 464.
Gorkin, V Z., and others. - A new non-hydrazine inhibitor of monoamine oxidase p.468
Il'in, G.S., Feier-Kossel, O G. - Effect of chloramphenicol on nicotine biosynthesis p 470.
Pasynskii, A G., Slobodskaia, V P. - Dynamic stability of enzymatic coacervates in substrate solutions p 473

PLANT PHYSIOLOGY:
Moshkov, B S., Ermakov, E I., Degtiarev, P.A. - Effect of soil moisture on the diurnal rhythms of movement in Perilla ocymoides. p 477.
Reingrad, T.A., Palladina, T.A. - Effect of gibberellin treatment on the changes in the content of growth promoting substances in potatoes p 481

EXPERIMENTAL MORPHOLOGY
Fuks, B D., and others. - Specific biosynthesis of antibodies induced by ribonucleic acid from the lymphatic nodes and spleen of immune rabbits. p 485.

PHYSIOLOGY
Poteziaev, E F. - Initial state of the cerebral hemispheres in a chronic experiment p 489.

ENDOCRINOLOGY:
Levina, S E., Ivanova, E.A. - Biological determination of hypophyseal luteinizing gonadotropin in human embryogenesis. p.493

AKADEMIIA NAUK TURKMENSKOI SSR, Ashkhabad. Izvestiia Seriia fiziko-tekhnicheskikh, khimicheskikh i geologicheskikh nauk [ACADEMY OF SCIENCES OF THE TURKMEN S.S.R. Bulletin. Series in the Physical and Technological, Chemical, and Geological Sciences]. Ashkhabad, no 1. 1962.

Table of contents translated:

In memory of the eminent scientist IUrii Nikolaevich Godin. p. 3.
Iomudov, Sh. - Use of conformal mappings for evolving the lines of a stream of turbulent flows in the theory of functions of a complex variable. p. 10.
Arazmedov, B. - Some problems in calculating the efficiency of a solar thermoelectric generator. p 16.
Belous, A.T., and others. - Number of meteorites recorded annually by radar and its changes as observed in Ashkhabad in 1959. p. 24.
Anishchenko, G.N. - Inverted curves of vertical electric sounding. p. 30.
Sergienko, S.R., Korbskii, G.P. - Composition and properties of natural bitumen of the Vola and *Niamed' deposits* p. 35.
Sergienko, S.R., Korbskii, G.P. - Composition and properties of Lem'in petroleum. p. 44.
Shvartszaid, M.S., Sidorov, E.P., Vinogradov, B.N. - Interaction of calcium hydroxide and carbonate under autoclave treatment. p. 51.
Dzhigiris, D.D. - Thermal activation of fine-grained *dustlike sand*. p. 57.
Mashrykov, K., TSepelev, N.S., Kutlev, K. - Concretionary formations in coal measures of the Kugitang Jurassic deposits. p. 66.
Sudo, M.M. - Age of marine Miocene deposits of the *southern part of Krasnovodsk Peninsula*. p. 72.
Tiunov, K.V. - Age of the lower part of the Koshoba *section*. p. 76.
Tomashaev, K. - Boundary layers of the carbonate and salt-gypsum series of the upper Jurassic of Kugitang. p. 80.
Davydov, I.IA. - Some conditions for fresh ground water accumulation in sandy deserts. p. 84.
Kaldarov, M.K. - Role of buried takyrs in the formation of fresh and brackish water bodies in the Zaunguzskiye Karakumy p 91.
Myadyev, V.M. - Change in the electric resistance of a system of nickel-copper alloys in a longitudinal magnetic field p. 98
Truttse, IU.L., Nasyrov, G.A. - Some characteristics of the astroclimate of the Bairam-Ali region of Turkmen S.S.R. p. 101.
Nikazov, A.N., Khabaeva, E.S. - Synthetic cyclopentylaryl ketones. p 109.
Kriventsov, V.I. - Increasing the lightfastness of solutions of anthraquinone derivatives in Bourtaager's *reaction*. p. 105.
Sudo, M.M. - New find of Oncophora layers in west Kopet-Dag. p. 109.
Liat'ovich, I.I. - Gas condensate structure of the Okarem oil field p 111
Salova, G.I. - Rotational temperature of hydroxyl as observed in Turkmenistan. p. 115.
Dubinskii, A.A. - Geological history of Badkhyz at the beginning of the Alpine era. p. 117
Larichenkov, A.IA. - Correlation of the Miocene deposits of Krasnovodsk peninsula. p. 118.
IAtchenko, L.D. - Age of the Turonian strata in the region of Sindzhou mountain (west Kopet-Dag). p. 120.
Krivosheeva, M.G., Krivosheev, V.T. - Composition of rocks from the Farab floor of the crystalline basis. p 122.
Aizenberg, IU.B., Davydov, I IA. - Work of the Geological Circle at the Geological Institute of the Academy of Sciences of the Turkmen S.S.R. p.124.
Kriventsov, V.I. - Presentation of dissertations. p. 125.
Agaev, IA. - All-Union Conference on Semiconducting Compounds. p. 126.
Stvrukhin, A.P. - First photographs of ionization tracks of meteorites in the U.S.S.R. p. 127

AKADEMIIA NAVUK BSSR, Minsk. Doklady [ACADEMY OF *SCIENCES OF THE WHITE RUSSIAN S.S.R.* Reports] Minsk, vol. 7, no 5, May 1963

Table of contents translated

Suprunenko, D.A., Tyshkevich, R.I. - Dynamic mapping. p. 289.
Korobenok, E.V., Tutaev, L.K. - Some subgroups of a projective group in four-dimensional space. p. 293.
Platonov, V.P. - Solvable algebraic groups. p. 298.
Luksha, L.K. - Theory of strength. p. 301.
Stepanov, B.I., Gribkovskii, V.P. - Allowing for the splitting of the metastable level in a three-level *laser*. p. 305.
Borisevich, N.A., Gruzinskii, V.V. - Effect of temperature, magnitude of the exciting quanta, and foreign gases on the structural electron spectra of molecules in vapors. p. 309.
Grechikhin, L.I. - Resonance broadening of spectral lines and its use in determining the concentration of neutral atoms in an arc discharge plasma. p. 313.
Rubanov, A.S. - An inequality for entropy. p. 317.
Severdenko, V.P., Kaledin, B.A. - Stressed state in transverse forging. p. 320.
Nikitina, L.M. - Determining the moisture bound by adsorption in a monomolecular layer. p. 324.
Protashchik, V.A., Erofeev, B.V. - Determination of the surface of products of the thermal decomposition of KMO_4 by chemisorption of $C^{14}O_2$. p. 326.
Motuz, V.M. - Origin of loess-type rocks of the Slutsk-Kopyl' massif. p. 330.
Lukashev, V.K. - Paleogeographic conditions of dune formation in Polesye. p. 334.
Vinokurov, E.F. - Rheologic model of ground moraine. p. 339.
Dovnar, S.A. - Possibility of cutting metals and alloys in a hot state. p. 344.
Gorbnev, T.N., Shabel'skaia, E.F. - Formation of chlorophyll and carotinoids in the fruits of tomatoes during their gradual growth and ripening. p. 347.
IAgovdik, N.Z. - Nickel and its distribution in human skin. p. 350.
Usov, I.N. - Electrolyte exchange in pediatric nephropathy. p. 353.

EESTI LOODUS [ESTONIAN NATURE]. Issued by Eesti NSV Teaduste Akadeemia [Academy of Sciences of the Estonian S.S.R.]. Tallinn, no. 6, Nov.-Dec. *1963. [In Estonian]*

IZ ISTORII ESTESTVOZNANIIA I TEKHNIKI; sbornik nauchnykh trudov [FROM THE HISTORY OF NATURAL SCIENCES AND TECHNOLOGY; Papers]. Issued by Komissiia po istorii estestvoznaniia i tekhniki Akademii nauk Armianskoi SSR [Committee on the History of Natural Sciences and Technology of the Academy of Sciences of the Armenian S.S.R.]. Erivan, vol 1, 1960.

Table of contents translated:

Preface. p. 5.
Petrosian, G.B. - Life and activity of Levon, outstanding scientist and mathematician of the ninth century. p. 7.
Tovmasian, A.K. - Stepanos Abgarian's "Booklet called the beginning of natural sciences." p. 21.
Chaloian, V.K. - Natural scientific conceptions of Ioann Erzynkatsi (13th century). p. 40.
Abrahamian, A.G. - Newly revealed astronomical tables of Ananii Shirakatsi. p. 50.
Tumanian, B.E. - Armenian lunar tables. p. 74.
Azatian, V.D. - Scientific chemistry in Soviet Armenia. p. 83.
Gabrielian, R.B. - Pre-Darwinian evolutionist, Russian advanced naturalist Karl Rul'e and Mikael Nalbandian. p. 99.
Oganesian, L.A. - Pages from the history of Armenian medicine. p. 126.
Ktsoian, A.S. - Study of anatomy by Armenian physicians in the 11-14 centuries p 131
Lalaian, A.A. - Materials for the history of Armenian-Russian relations in the field of medicine. p. 161.
Mkrtchian, S.S., Mesropian, A.I. - Development of geological research in Armenia during the Soviet period. p. 179.

[MICROFILM]

MOKSLAS IR GYVENIMAS [SCIENCE AND LIFE] Issued by Lietuvos TSR Politiniu ir mokslinnu ziniu skleidimo draugija [Society for Dissemination of Political and Scientific Knowledge of the Lithuanian S.S.R.] Vilnius, nos 10(73)-12(75), Oct.-Dec. 1963. [In Lithuanian]

NAUKA I ZHYTTIA [SCIENCE AND LIFE] Published by Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR [Society for Dissemination of Political and Scientific Knowledge of the Ukrainian S.S.R.]. Kiev, vol. 13, no. 10(151), Nov 1963.

Table of contents translated

TSekhmistrenko, IU. - Attack of the invisibles. p. 1.
Rybal's'kyi, V., Sadovs'kyi, V. - New occupation of the electronic brain. p. 4.
Born by matter. p. 5.
Brodi, S., Koroliuk, V. - Mass servicing as a mathematical problem. p. 6.
In the laboratories of Ukrainian scientists. p. 8.
Llalin, O. - Plant growing of the future. p. 9.
At the construction site of the Central Ukrainian State Regional Electric Power Plant. p. 13.
Smyrnov, L. - Artificial fur. p. 13.
Burkser, IE. - Earth in the laboratory of a chemist. p. 14.
Popov, V. - Great Donets Basin. p. 16.
Climate of the deep mines. p. 19.
Zatulovs'kyi, S., TSyn, M. - Pipes of the high-strength cast iron. p. 22.
Onyshchenko, M. - Foot gear for automobiles. p. 23.
Fedorov, IE. F. - In the depths of the planet. p. 24.
Koshelenko, L. - Satolite, rocket, and atmosphere. p. 25.
System "satellite-man." p. 27.
Kalyta, F. - In cooperation with science. p. 28.
Rozovs'kyi, L. - Created by man. p. 31.
Kolesnichenko, IU., Filanovs'kyi, H. - Ink, pen, and typewriter. p. 34.
Plavinas, D. - About visible light and audible sound. p. 36.
Abroad. p. 39.
Troshyn, D. - Science and ideology. p. 40.
Influencing clouds. p. 43.
Vegetables and radioactivity. p. 43.
Nepomniashchyi, A. - Did the "Siberian miracle" exist? p. 44.
Kul's'kyi, L. - Silver water. p. 46.
Kolobkov, M. - "Factory" of climate. p. 47.
History of names. p. 47.
Vavilov, P. - Science in the Komi A.S.S.R. p. 49.
Solovlov, S. - Giant waves in the Lituya Bay. p. 51.
Malashenko, O. - Wonderful power of beauty. p. 52.
Telescope of the periodical "Nauka i zhyttia." p. 54.
Pokrovs'kyi, H., Moralevich, IU. - On the front line of a daring dream. p. 56.
Dehen, I. - How do you feel? p. 60.
Treasure chest of interesting facts. p. 62.
Poliak, O. - Seventh round of chess tournament. p. 63.

PRIRODA [NATURE]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 52, no. 10, 1963.

Table of contents translated:

Novik, I.B. - Cybernetics and the development of present-day scientific knowledge. p. 3.
Brief notes on books. pp. 11, 17, 23, 31, 35.
Vul, B.M. - Semiconductors. p. 12.
Nikolaev, L.A. - Biocatalysts. p. 18.
Strukov, V.B. - Helium II as a quantum liquid. p. 24.
Dobabov, V.G., Shibnev, V.A. - Proteinlike polymer. p. 32.
Scientist and innovator; the 100th anniversary of V.A. Obruchev's birth:
Shcherbakov, D.I. - Outstanding Soviet geologist and traveler. p. 37.
Murzaev, E.M. - Fond memories. p. 45.
Learn from life and from science, from V.A. Obruchev's radio address, October 9, 1953. p. 48.
Heat from the earth's depths; a fantasy From the Archives of Academician V.A. Obruchev. p. 49.
Obruchev, V.V. - Seventy years of strenuous work. p. 50.
Obruchev, S.V. - Creative cooperation, correspondence between V.A. Obruchev and E. Suess. p. 51.
Tikhomirov, V.V. - V.A. Obruchev and the problems of geology. p. 53.

Obruchev, S.V. - Fruitful thoughts. p. 54
Murinov, N.A. - Acknowledging the great achievements of a scientist p. 54
Delone, B.N., Vinogradov, V.S., Kudriavtsev, L.D. - New contribution to mathematics. p. 55.
Rode, V.V. - Aging and the stabilization of polymers. p. 57
Vinogrado., V.V. - Ak-Gel' Lake. p. 62.
Sadovskii, A.L. - Northern Anyuy Range. p. 67.
Treus, V.D., Lobanov, N.V., Stes', I.S. - Zebras in Askaniya Nova Preserve. p. 73.
The Monster of Loch Ness. p. 79.
Kochina, P.IA., Mosienko, N.A. - Across irrigated India. p. 81.
New varieties of wheat. p. 86.
Astapovich, I.S. - Iron meteorite rain p. 87.
Tel'pukh, N.A. - An avalanche is coming. p. 88.
Bronshten, V.A. - Legends which pass as hypotheses. p. 90.
Chumakov, K.A. - Behavior of fish during a flood. p. 91.
IAnov, IA.B. - Philosopher-materialist and educator, 250th anniversary of Denis Diderot's birth. p. 92.
Cholesterol and vitamin A in chicken feed. p. 93
Portrait of an outstanding scientist, valuable documents about P.P. Lazarev. p. 94.
Sosnovskii, I.P., Trofimov, V.I. - Lytorhunchus ridgeway. p. 96.
Novozhilov, N.I. - Breeze belts of clouds. p. 97.
Kurshak, V.V., Seigeev, V.A., Shielfman, R.B. - "Kapolit." p. 98.
Lisitsyna, G.N. - Ancient farmers in the Tedzhen delta. p. 100.
Kuznetsov, A.P. - Luminescence of water in the Atlantic. p. 102.
Carras, Sylvain. - Sense of smell in fishes. p. 104.
Popov, L.A. - Marked seals. p. 105.
Arabadzhi, V.A., Rudik, K.I. - The crunch of snow. p. 106.
Achievements of the Bulgarian stockbreeders. p. 107.
Sementsushkin, I.N., Chuvilo, I.V. - V.I Veksler, laureate of the Atoms for Peace Award. p. 108.
The V.V. Dokuchaev Gold Medal of 1963. p. 108.
New short-lived particle. p. 108.
The I.I. Mechnikov Gold Medal of 1963. p. 109.
Planets outside the solar system. p. 109.
Plasma as a powerful source of life. p. 109
Malakhova, N.P. - Fauna in crystals. p. 109.
Hinged ship. p. 110.
Underground waters of Hungary. p 111.
Kryzhanovskii, F.D. - Triticum-Agropyron hybrids. p. 111.
Successes of hydrotransportation. p. 111.
Contribution of electronics to stockbreeding. p. 112.
Determining the age of chemical elements in our galaxy. p. 113.
Is there any anti-matter in comets? p. 113.
Chemical method for determining the age of stars. p. 113.
Sulidi-Kondrat'ev, E.D., Kozlov, V.V. - Extinct volcanoes of the Syrian desert. p. 113.
New experiments with lasers. p. 114.
Production of proteins form oil. p. 114.
Chernov, A.A. - At the bottom of the Red Sea. p. 114.
From wilderness to cultivation. p. 115.
Fishing with underwater loudspeakers. p 116.
Pecherin, A.I - Malki springs. p. 116.
Zatesskii, IU.M. - Substance regulating the swarming of bees. p. 117.
Banding of shrimps. p. 117.
Smugiyi, S.I., Linkovskii, G.B. - Young science and its future. p. 118.
Makhlin, M.D. - To the students of biology. p. 119.
Ven'ko, N.A. - Strawberries in a room. p. 120.
Sidochenko, T.V. - Summer of 1963 in Europe and Asia. p. 121.
Levitskii, P.F. - Nutrition and biology of starlings. p. 123.
Ochapovskii, V. - Death of swallows in the Kuban. p. 123.
Balbyshev, I.N. - Feathered sowers. p. 124.
Olssar, E., Shchelkin, K.I. - What is vacuum? p. 125.
Gadzhiev, D.V. - The Dutch crab Rhithropanopeus Harrisi Gould in the Caspian Sea. p. 126
Shekhov, A.G. - Swan nests in the Kuban limans. p. 127.

ZNANIE - SILA [KNOWLEDGE IS POWER]. Organ of Gosudarstvennyi komitet po professional'no-tekhnicheskomu obrazovaniiu pri Gosplane SSSR [State Committee for Industrial Training, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol. 36, no. 10, Oct. 1961.

Table of contents translated:
Communism begins today. p. 1.
Zelotarev, T. - In the name of the 22d Congress of the CPSU. p. 3.
Friendship among cities. p. 6.
Baibarin, P. - Reaching maturity. p. 8.
Podol'nyi, R. - Enthusiasts. p. 10.
Borin, Boris. - Danill Riabtsev chooses a profession. p. 12.
Korobko, M. - Brain and pulse of a Martin furnace. p. 15.
Volin, P. - Dispute. p. 18.
Vladimirov, L. - Master of a magic city. p. 20.
IUdasin, Lev. - "First aid." p. 26.
Kologrivov, R. - That which has not been before. p. 30.
Triumph of golden hands. p. 32.
Brodskii, B., Varshavskii, A. - Giant. p. 34.
Anfilov, Gleb. - Omnipotent beam. p. 36.
Mitskevich, A. - Figures instead of intuition. p. 40.
Vladimirov, S. - Physiologist comes to a workshop. p. 42.
Gurevich, G. - Nationwide national research. p. 46.
Rusanov, K. - Year 1980, science. p. 47.
Al'tov, G. - General constructor. p 51.
Dedicated to loafers, exhortatory cartoons. p. 54.

Vol. 38, no. 9, Sep. 1963.

Table of contents translated:
Make way for the good atom! p. 1.
Totev, M. - Metal, granite, and space. p. 2.
Malevanchik, B., Natarius, IA. - When stones grow together. p. 4.
Trifonov, D. - The very first and the most mysterious. p. 6.
Zigel', F.IU. - Balls of stars. p. 10.
In the whole world. p. 12.
Mezentsev, V. - Socialist Bulgaria. p. 13.
Vaksberg, Arkadii. - I learned to love this country. p. 14.
Bonev, Khristo. - On the slipways of Varna. p. 18.
Marinov, Milen. - A little above the Olympian gods. p. 20.
Petrov, Aleksandr, Khristov, Emil' - Aroma of the valley of roses. p. 22.
Mikhailov, Georgii. - Canned sun. p. 24.
Atanasov, Georgi. - Bulgarian Riviera. p. 25.
Stoilov, Stoil. - Antiquities of our land. p. 26.
Kodin, S. - From the petals of a snowdrop. p. 29.
Vladimirskii, R. - Thought and hands. p. 30.
Konstantinovskii, M. - Sound in the ocean. p. 34.
Nazarov, V., IAsonas, G. - Heroes of black sands. p. 40.
Arkazorov, M. - First in the stratosphere. p. 42.
IUdasin, Lev. - Generous giants and kind midgets. p. 45.
Klavdin, B. - Use of electronics in the "Bureau for procurement and sales." p. 47.
Vaishavskii, A. - He wanted to paint sunshine. p. 48.
Markusha, Anatolii. - What I was and what I was not. p. 51.

ZNANNIA TA PRATSIA [KNOWLEDGE AND WORK]. Issued by TSentral'nyi komitet Leninskoho komunistychnoho soiuza molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin]. Kiev, no 10(284), Oct. 1963.

Table of contents translated
Bielousov, Sergii - Youth knows no rest. p. 1.
Mai'ianenko, M. - Address of rainbows. p. 4.
Holubova, N. - Does any rational life in space exist? p. 6.
Blumkin, V. - Competition or cooperation? p. 9.
Volkova, N. - Anatomy denies God. p. 11.
Skarlato, H. - Geographical tournament. p. 11.
Tkachenko, M. - Window into the past. p. 14.
We march into the future today! p. 15.
Chebrets', L. - Stars are waiting,... p. 15.
Kuzin, O. - Our friend Bulgaria. p. 16.
At various latitudes. p. 19.
A little about everything. p. 20.
Paradoxes of Robert Kibernetchenko. p. 22.
Richter, Wolfgang - Resourceful watchmaker. p. 23.
We begin our tournament. p. 30.
Symonovych, I. - Fountain pen welder. p. 31.

b. ASTRONOMY

*ASTRONOMICHESKII ZHURNAL [ASTRONOMICAL JOURNAL]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 40, no. 6, Nov.-Dec. 1963.

Table of contents translated:
Mikhailov, A.A. - The constant of aberration and solar parallax. p. 961.
Kardashev, N.S. - Nature of the radio galaxy Cygnus-A. p. 965.
Shklovskii, I.S. - Remarks on the nature of jets of radio galaxies. p. 972.
Moroz, V.I. - Infrared observations of the Crab nebula. p. 982.
Korchak, A.A. - Synchrotron radiation of charged articles in a dipole magnetic field. p. 994.
Mustel', E.R. - Analysis of the chemical composition of envelopes of novae. p. 1007.
Ioshpa, B.A., Obridko, V.N. - Measurements of the magnitude and direction of the magnetic field in the region of sunspots. p. 1013.
Teplitskaia, R.B., Vorob'eva, V.A. - Determination of chemical composition of the solar atmosphere. p. 1016.
Nikitin, A.A. - Characteristics of lower excited levels of atoms in certain isoelectron sequences including coronal ions. p. 1025.
Aslanov, I.A. - Shifts and broadening of Fraunhofer lines. p. 1036
Kaplan, S.A. - Spectrum of magnetohydrodynamic turbulent convection. p. 1047.
Shakhovskoi, N.M. - Investigating the polarization of the radiation of variable stars. p. 1055.
Livshits, M.A. - Evaluation of electron densities of stellar chromospheres. p. 1065.
Levin, B.IU. - Nature of the moon's surface layer. p. 1071.
Kiotikov, V.D., Trofilskii, V.S. - Detection of a hot flow from the moon's interior. p. 1076.
Sytinskaia, N.N. - Albedo of separate features of the moon's surface. p. 1083.
Fesenkov, V.G. - Isophotes of the zodiacal light from observations made in Egypt in the fall of 1957 p. 1091
Kozhevnikov, N.I., Makarova, E.A., Slinik, G.I. - Effect of atmospheric pressure on the half-width of oxygen lines in the 1.27μ band. p. 1095.
Artiukhina, N.M., Kholopov, P.N. - Open cluster M 37 and the coronas of star clusters. p. 1101.
Pavlovskaia, E.D. - Determination of the solar velocity in relation to stars of different spectral types and luminosity classes. p. 1112.
Karlagina, Z.V., Kharitonov, A.V. - Determining the stellar magnitude of the sun in three-color systems on the basis of absolute spectrophotometric observations. p. 1123.
Kukarkin, B.V., Kulikovskii, P.G. - O.L. Struve, obituary p. 1126.
IAnov-IAnovoi, M.S. - Plenum of the Committee on Theoretical Astronomy. p. 1130.
Dluzhnevskaia, O. - Conference on the methods and results of calculations of stellar models. p. 1132
Annotations of articles published in the periodical "Radiofizika" in vol. 4, nos. 1, 2 and 3, 1963. p 1135.
New books on astronomy. p. 1136.
Alphabetic index of "Astronomicheskii zhurnal" vol. 40 for 1963.

PULKOVO. GLAVNAIA ASTRONOMICHESKAIA OBSERVATORIIA. Izvestiia [MAIN ASTRONOMICAL OBSERVATORY. Bulletin]. Leningrad, vol. 23, no. 1(171), 1962. Astrometriia [Astrometry].

Table of contents translated:
Timashkova, G.M. - Catalog of right ascensions of 122 stars in the declination zone + 70 to + 90° observed with the model of the L.A. Sukharev horizontal meridian instrument. p. 3.
Kalikhevich, N.S. - Catalog of right ascensions of 299 stars of the general list of U.S.S.R. Time Service obtained from the observations during the IGY and IGC with the APM-10 transit instrument in Nikolaev. p. 14.
Gorel', G.K., Fedorova, R.T. - Catalog of right ascensions of stars of the Time Service program. p. 31
Chzhen Chzhun-lian [Cheng Chung-liang] - Investigating the "evening error" and the "wind effect" from observations with the new PPI-1 Pulkovo transit instrument. p. 41.
Kim Gun-der - Catalog of right ascensions of 90 circumpolar stars compiled from observations with the meridian circle of the Tashkent Astronomical Observatory in 1955-1956. p. 57.
Bivoenko, V.IA., and others. - Right ascensions of the sun, the moon, lunar crater Moesting A and major planets from the observations at the Nikolai Observatory in 1960. p. 65.
Gordon, IA.E., Gorel', L.F., Dziuba, I.P. - Observations of the moon and major planets with the meridian circle in Nikolaev. p. 74.
Pliugina, A.L., Shishkina, V.N. - Observational program of circumpolar stars for determining the orientation of the instruments in observing major planets and the sun. p. 77.
Orlov, B.A. - Periodic variations of refraction. p. 81
Varina, V.A., and others. - Preliminary determination of diameter corrections of the Toepfer meridian circle. p. 85.
Petrov, G.M. - Investigating the Frieberg-Kondrat'ev transit instrument. p. 99.
Roze, L.A. - Investigating the Zeiss No. 18818 transit instrument. p. 107.
Nemiro, A.A. - Computation of tg^{δ} and sec^{δ} needed for the reduction of α observations. p. 111.
Vytnov, V.A. - Electronic relays of the Time Service at the Pulkovo Observatory. p. 117.
Lavdovskii, V.V. - Investigation of five open clusters from proper motions and photometric characteristics of stars. p. 121.
Potter, Kh.I., Strugatskii, B.N. - Asymmetry of the figure of major planets. p. 145.
Deich, A.N. - Investigation of double and multiple stars in 115 Kaptcyn areas. p. 151.
Kiselev, A.A. - Reduction for distortion in photographic positions of celestial bodies determined with a small number of reference stars. p. 159.
Firago, B.A. - Visual and photographic observation of faint satellites and space rockets. p. 169.

Sokolova, V.A. - Positions of minor planets from photographic observations at the Cape Observatory, p. 179.

Chudovicheva, O.N. - Precise positions of minor planets Hebe and Parthenope from photographic observations at Pulkovo. p. 184.

Sokolova, V.A. - Comparison of the precision of positions of minor planets obtained at different observatories. p. 187.

Vol 23, no. 2(193), 1963.

Table of contents translated

Vasil'eva, G. IA. - Phenomena observed in the photosphere in the region beneath a flocculus before the appearance of sunspots. p. 3.

Kral, V.A., Pravdiuk, L.M. - Appearance of nonthermal continuous emission in the solar atmosphere. p. 17.

Sobolev, V.M. - Stationary distribution of HeII atoms in sublevels and the intensities of the HeII lines. p. 28.

Krat, V.A., Stolianova, M.N. - Excitation of sodium and helium atoms and calcium ions (CaII) in an active prominence. p. 42.

Makarov, V.I. - Relationship between the temperature and area of sunspot umbrae. p. 47.

Bezrukova, A.IA. - Longitudinal distribution of sunspot group areas in the northern and southern solar hemispheres. p. 57.

Mel'nikov, O.A., and others. - Determination of the spectrophotometric gradients of A-type stars by the photoelectric method. p. 66.

Mel'nikov, O.A., Kuprevich, N.F., Zhukova, L.N. - Photoelectric photometry of the K and H CaII lines in the spectra of the total solar disk and the central disk area. p. 72.

Azimov, S.M. - Physical characteristics of subgiant stars in eclipsing binaries. p. 76.

Popov, V.S. - Using the phase coordination method in determining the radii of four Cepheids. p. 107.

Kuprevich, N.F. - Experiments in the television photography of the moon in the 0,8-1,1μ and 0,8-2,3μ *wavelength range*. p. 110.

Demidova, A.N., Bystrova, N.V. - Observations of the lunar limb and the motion of shadow band patterns. p. 115.

Efimov, A.A. - New principles for the development of a physical theory. p. 118.

Efimov, A.A. - Experimental verification of the postulate on the independence of the velocity of light from the motion of the emission source. p. 152.

Guseln-Zade, M.I., Kharitonova, A.N. - Determination of the deformation of a telescope mirror by elasticity theory methods. p. 159.

Breide, L.I., Markelova, A.A., Firago, B.A. - Increasing the sensitivity of photographic materials by means of post-exposure in photographing artificial *earth satellites*. p. 187.

REFERATIVNYI ZHURNAL: ASTRONOMIIA (Otdel'nyi vypusk 51) [*JOURNAL OF ABSTRACTS: ASTRONOMY* (Separate Issue 51)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 12, Dec. 1963.

REFERATIVNYI ZHURNAL: GEODEZIIA (Otdel'nyi vypusk 52) [JOURNAL OF ABSTRACTS: GEODESY (Separate Issue 52)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. *Moscow, no. 12, Dec. 1963.*

c. BIOLOGY

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia. Biologicheskie nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Biological Sciences]. Erivan, vol. 16, no. 10, Oct. 1963.

Table of contents translated:

Ter-Karapetian, M.A., Mukarova, E.N. - Characteristics of the aerobic vital activity of yeast as related to the sources of nitrogen and vitamins. p. 3.

Amadian, M.G. - Effect of gangleron and arponal on the activity of cholinesterase in the individual cellular formations of the cutaneous-motor analyzer and hypothalamus in rabbits. p. 13.

Arutiunian, R.A. - Effect of temperature and light conditions on the productivity of hens in the Armenian S.S.R. p. 23.

Alvazian, P.K. - Growing grapevine seedlings between leaved-rootstock and foliar mentors. p. 29.

Pogosian, V.S. - Study of the chemical composition of corn plants grown from irradiated seeds under different climatic conditions. p. 41.

Mirimanian, V.A. - Change in the physiological activity of grapefruit as related to soil moisture. p. 51.

Mardzhanian, G.M., Ust'ian, A.K., Kankanianm, A.G. - Methods for increasing the efficiency of chemical control of plant lice on tobacco. p. 57.

Nikogosian, V.G. - Representatives of lichens of Armenia from the genera Ramalina and Parmelia. p. 60.

Postolan, S.R. - New foci of tick-borne relapsing fever in the Armenian S.S.R. p. 77.

Akramovskaia, E.G. - New materials on the true bugs of Armenia. p. 87.

Tertelian, A.E. - Materials on blackflies (Diptera, Simuliidae) of the Crimea. p. 91.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut mikrobiologii i virusologii. Trudy [*ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Microbiology and Virology. Transactions*] Alma-Ata, vol. 7, 1963. *Fiziologiia i biokhimiia mikroorganizmov* [Physiology and biochemistry of *micro-organisms*]

Table of contents translated

Shamis, D.L., Il'ina, K.A. - Role of propionic acid bacteria in *corn ensilage*. p. 3.

Bazanova, N.U., Nikitin, B.N. - Physiological evaluation of *corn silage. Report No. 2.* p. 10.

Shamis, D.L., and others. - Role of micro-organisms in raising the nutritive value of *millet*. p. 16.

Chukanov, N. - Effect of sodium metabisulfite on the bacterial flora of *silage*. p. 22.

Karpov, M.S., Ekimova, R.N. - *Improvement of* silage starters (preparation and application of dry silage starters). p. 27.

Shamis, D.L., Masheeva, R.Sh., Tukibaeva, A.A. - *Mixed cultures of yeast used in bread baking.* Report No. 3 p. 33.

Shamis, D.L., Denisenko, L.E., Gelikonova, N.S. - Aftereffect of O_2 and H_2O_2 on the fodder yeast *Candida Kp-9*. p. 40.

Shamis, D.L., Berezina, G.O., Saubenova, M.G. - Conditions for the formation of organic acids by pentose-utilizing bacteria *cultured on the pro*hydrolysate of reed. p. 44.

Denisenko, L.E. - Selecting pentose-fermenting yeast for the hydrolysis industry. p. 18.

Shamis, D.L., Kurdina, R.M., Zaitseva, L.K. - Effect of fillers on the activity of some species of yeasts of the *genus Saccharomyces*. p. 51.

Kurdina, R.M. - Sporeforming aerobic nitrogen-fixing micro-organism. p. 58.

Zubkova, R.D., Sembaeva, M.G., Fokina, M.V. - Selecting yeast for primary stages of wine making by the method of continuously improving the selection. p. 60.

Martiakov, A.A. - Enzymatic and thermal treatment of grape pomace by preparations of Aspergillus *niger*. p. 66.

Martiakov, A.A., Dianova, O.P., Krasnoshchekova, V.S. - Evaluation of the activity of pectolytic enzymes based on the optical density and viscosity of the pectin solution. p. 69.

Levina, A.A. - Use of mixed cultures of lactic acid bacteria and yeast for fermenting vegetables. p. 77.

Baltiskaia, A.K., Fedorenko, G.G. - Therapeutic properties of coelicomycin as related to its action on the causative agent of infection in vitro. p. 83.

Shigaeva, M.Kh., Sivertseva, V.D. - Variability of Actinomyces coelicolor, producer of coelicomycin, induced by ultraviolet rays. p. 90.

Shigaeva, M.Kh. - Characteristics of a pigmentless variant of Actinomyces coelicolor, producer of *coelicomycin*. p. 95.

Shigaeva, M.Kh. - Effect of ultraviolet rays on the pigmentless variant, producer of coelicomycin. p. 99.

Sarbaeva, U.A. - Specificity of interrelations and the antimicrobic spectrum of the producers of coelicomycin and typical strains of Actinomyces coelicolor. p. 106.

Vetlugina, L.A., Sarbaeva, U.A., Goloskokova, M.V. - Comparative study of coelicomycin and antibiotics of the typical strains of Actinomyces coelicolor. p. 110.

Abramova, N.V. - Age-related characteristics of Actinomyces, producer of coelicomycin (actinomycin K), in a surface culture. p. 116.

Sarbaeva, U.A. - Natural variability of Actinomyces antocyanous, strain *1321*. p. 120.

Dzhamalieva, B.D., Alekseeva, Z.I. - Therapeutic properties of the antibiotic *1321* in dermatomycosis. p. 126.

Abramova, N.V., Mazumina, V.I. - *Actinomyces* longisporus ruber, strain 1618, and its antibiotic substances. p. 132.

Abramova, N.V., Migalina, V.P. - Chromatographic study of the antibiotic substances of Actinomyces longisporus ruber, *strain 1618*. p. 137.

Nikitina, E.T., Alekseeva, Z.I. - Antibiotic properties of the group of blue and violet actinomycetes from the soils of Kazakhstan. p. 147.

Ilialetdinov, A.N. - Vital activity of microscopic fungi in common reed used as building material. p. 157.

Ilialetdinov, A.N., Zharokova, R.G. - Effect of herbicides on the microflora of dark chestnut soils in Alma-Ata Province. p. 163

Tiutenkova, N.L. - Quantitative distribution of yeast organisms in the water and soils of Ust'-Kamenogorsk *Reservoir*. p. 168.

IAnovskaia, D.L., Novozhilova, M.I., Frolova, L.F. - Microbiology and chemistry of Lake Karabotan. Report No. 1 Composition of organic substances in the silt deposits of Lake Karabotan. p. 177.

Novozhilova, M.I., Frolova, L.F., IAnovskaia, D.L. - Microbiology and chemistry of Lake Karabotan. Report No. 2 Seasonal changes in the amount of micro-organisms in Lake Karabotan. p. 183

Frolova, L.F., Novozhilova, M.I., IAnovskaia, O.L. - Microbiology and chemistry of Lake Karabotan. Report No. 3 Antibacterial properties of the therapeutic mud of Lake Karabotan. p. 195.

Frolova, L.F. - Viability of some pathogenic and facultative pathogenic micro-organisms in the therapeutic mud of Lake Karabotan and its sanitary and bacteriological characteristics. p. 202.

Seiketov, G.Sh., Kishinevskii, B.A. - Effect of the culture liquid of the fungus Trichoderma on the seed germination of some plants. p. 210.

Seiketov, G.Sh., Kishinevskii, B.A. - Effect of trichodermin on some representatives of the rhizosphere microflora of potatoes. p. 222.

IAlovitsyn, M.V. - Serologic identification of entomopathogenic bacilli. p. 228

IAlovitsyn, M.V., Ushakov, K.P. - Preparation of hyperimmune serums for the diagnosis of some insect bacterioses. p. 235

Zhumatov, Kh.Zh., Bisenova, M.I. - Materials on the experimental study of the pathogenesis of mixed infection (viral and bacterial), preliminary report. p. 243.

Arkhangel'skii, D.S. - Role of phagocytosis in the mechanism of immunity in some rickettsioses, preliminary report. p. 250.

AKADEMIIA NAUK SSSR. Botanicheskii institut. Flora SSSR [*ACADEMY OF SCIENCES OF THE U.S.S.R.* Botanical Institute. Flora of the U.S.S.R.] Moscow, *vol. 28, 1963.*

Contents. [Tribes Cynareae and Mutisieae Kolena Cynareae i Mutisieae 653 p.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut botaniki. Gerbarii. Botanicheskie materialy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Botany. Herbarium. Botanical Materials]. Alma-Ata, no. 1, 1963.

EESTI NSV TEADUSTE AKADEEMIA. Toimetised. Bioloogiline seeria. Izvestiia Akademii nauk Estonskoi SSR. Seriia biologicheskaia [ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R. Bulletin. Biological Series]. Tallinn, vol. 12, no. 4, 1963.

EKSPERIMENTAL'NYE ISSLEDOVANIIA PO FIZIOLOGII, BIOKHIMII I FARMAKOLOGII [EXPERIMENTAL STUDIES IN PHYSIOLOGY, BIOCHEMISTRY, AND PHARMACOLOGY]. Issued by Permskoe otdelenie Vsesoiuznogo fiziologicheskogo obshchestva imeni I.P. Pavlova and Permskii gosudarstvennyi meditsinskii institut [Perm Branch of the I.P. Pavlov All-Union Physiological Society and the Perm State Medical Institute]. Perm, no. 3, 1961. Fiziologiia i patologiia motorno vistseral'nykh reflekxov [Physiology and pathology of motor visceral reflexes].

Table of contents translated:

Foreword. p. 3.

Mogendovich, M.R. - Hypokinesia as a factor in the pathology of internal organs. p. 9.

Kozello, A.A., Mogendovich, M.R. - Functional interrelation between the tonus of the skeletal musculature and arterial pressure. p. 27.

Mogendovich, M.R. - Vibration and motor visceral reflexes. p. 41.

Mogendovich, M.R., Ryklin, M.G. - Motor renal reflexes in pathology. p. 49.

Krol', N.G. - Thermal asymmetry in spastic hemiparesis with athetosis. p. 61.

Chernousova, L.N. - Study of vascular tonus and blood pressure in athetosis patients using the method of arterial oscillography. p. 69.

Chernousova, L.N. - Capillaroscopy in athetosis with spastic paralysis. p. 75.

Zaikova, M.V. - State of the fundus oculi in spastic paralysis and athetosis. p. 79.

Daiskovskii, B.M. - Effect of proprioception on the perspiration under normal and pathological conditions. p. 83.

Temkin, I.B. - Direct effect of physical exercise on the muscular tonus and arterial pressure in hypotension. p. 93.

Pollanichko, A.F. - Effect of dynamic and static load on the motor activity of the stomach in its functional disorders. p. 99.

Riskin, N. L. - State of the motor analyser and the orthostatic reflex in the hyperthyroid form of goiter. p. 107.
Klebanov, V. M. - Cardiovascular system in pregnancy under normal and pathological conditions. Report No. 1. Data on arterial oscillography in the orthostatic test. p. 119.
Popeliianskii, IA. IU. - Mechanisms of the therapeutic effect of novocaine treatment of the musculus scalenus anterior in cervical osteochondrosis. p. 125.
Bel'tiukov, V. I. - Relation of the motor cardiac reflexes in man to posture. p. 135.
Bel'tiukov, V. I. - Effect of vibration and muscular tension on the heart. p. 141.
Chuvaev, A. K. - Role of the respiratory musculature in the reflex regulation of the respiration and blood circulation. Report No. 1: Some changes in the respiration during a deliberate holding of the breath. p. 151.
Chuvaev, A. K. - Methodology of the determination of the muscular tonus in man. p. 159.
Markin, A. G. - Mechanism of the cutaneous galvanic reflex in muscular tensions. p. 171.
Uritskaia, E. G. - Changes in the gum temperature in the orthostatic test. p. 185.
Uritskaia, E. G. - Reflex effects of the skeletal muscles on the respiratory and cardiovascular systems in strychnine poisoning. p. 193.
Kolychev, V. P. - Effect of amminazine on cutaneous visceral and motor visceral reflexes. p. 203.
Kolychev, V. P., Smolenkov, S. V. - Reflex effect of the locomotion sphere on blood circulation and respiration in experimental tetanus poisoning. p. 211.
Klebanov, V. M. - Contracting function of the uterus and the effect of kinesthetic stimulations on it. p. 221.

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Fenologicheskii sektor. Materialy po fenologii [GEOGRAPHICAL SOCIETY OF THE U. S. S. R. Phenological Sector. Materials on Phenology]. Leningrad, no. 2, 1961.

Table of contents translated

Shul'ts, G. E. - Volunteer phenological network of the Geographical Society of the U. S. S. R. during the last ten years (1951-1960). p. 2.
Galakhov, N. N. - Winters of record warmth in the Moscow region. p. 7.
Rodionov, M. A. - Unusual natural phenomena during the winter of 1960-1961. p. 10.
Bulygin, N. E. - Effect of the temperature conditions at the beginning of the winter of 1960-1961 on woody plants in Leningrad. p. 16.
Straton Evseevich Bezverkhenko, an obituary. p. 19.
List of correspondents who supplied the information for 1960. p. 20.
List of persons rewarded by the Presidium of the Geographical Society of the U. S. S. R. for services in the field of phenological observations and their organizations. p. 28.
Purposes and tasks of issuing new forms for phenological observations. p. 30.
Phenological literature published and under preparation. p. 32.

LENINGRADSKOE OBSHCHESTVO ESTESTVOISPYTATELEI. Trudy [LENINGRAD NATURALISTS' SOCIETY. Transactions]. Vol. 70, no 2, 1963

Contents: Verzilin, N. N. [Cretaceous sediments in the northern part of the Fergana Valley and their oil potential] Melovye otlozheniia severa Ferganskoi vpadiny i ikh neftenosnost', 219 p.

LIETUVOS TSR AUKSTUJU MOKYKLU MOKSLO DARBAI. BIOLOGIJA. Nauchnye trudy vysshikh uchebnykh zavedenii Litovskoi SSR Biologiia [STUDIES BY THE INSTITUTIONS OF HIGHER LEARNING OF THE LITHUANIAN S. S. R. BIOLOGY]. Vilnius, vol. 3, 1963.

MIKROBIOLOGICHNYI ZHURNAL [JOURNAL OF MICROBIOLOGY]. Issued by Instytut mikrobiologii Akademii nauk URSR [Institute of Microbiology of the Academy of Sciences of the Ukrainian S. S. R.]. Kiev, vol. 25, no. 5, 1963.

Table of contents translated:

Andriiuk, K. I., Vladymyrova, O. V. - Formation of heteroauxin by soil actinomycetes. p. 3.
Zherebchuk, L. K. - Effect of gibberellin and other biologically active substances on potato viruses. p. 8.
Zhdanova, N. M. - Rare and new dark-colored Hyphomycetes in the soils of the Ukraine. p. 13.
Zakharova, I. IA., Drobot'ko, S. V. - Polysaccharides of pathogenic and nonpathogenic strains of Escherichia coli obtained after the removal of complete antigen. p. 19.
IEfimov, IE. IE. - Study of the conditions of influenza virus adsorption by permutite. p. 24.
Nesterenko, O. O. - Characteristics of homofermentative coccal lactic acid bacteria isolated from the epiphytic microflora of some plants of the Ukraine. p. 29.
Nikol'skii, O. O., and others. - Dynamics of the biosynthesis of micracide (glucose oxidase) on media with glucose and saccharose. p. 36.
Munas, V. A. - Bacterial wilt of soybean in the Ukraine. p. 42.
Krasnova, M. V. - Effect of some physical factors on the pathogens of bacterioses in soybean seeds. p. 50.
Stopchens'kii, A. H. - Compound treatment of experimental brucellosis in albino mice with oxytetracycline, biomycin, levomycetin, brucellosis vaccine and specific gamma globulin. p. 52.
Kolomoitsev, L. R., Heonia, N. H., Shcherkman, A. K. - Antibacterial effect of some N-substituted pyridine derivatives. Report No. 2. p. 58.
Novykov, V. M. - Effect of antibiotics on Bacillus anthracis in vitro. p. 67.
Bobyr, A. D. - Protein-containing substances as inhibitors of phytopathogenic viruses. p. 71.

MOSCOW. UNIVERSITET. Vestnik. Seriia 6. Biologiia, pochvovedenie [UNIVERSITY. Review. Series 6 Biology, Soil Science]. Vol. 18, no 4, July-Aug. 1963.

Table of contents translated

Andreenko, S. S. - Biology, social and scientific progress p 3
Udel'nov, M. G., Kopylova, G. N. - Ganglionic-synaptic structures of the intracardiac nervous system and their functional role p 14
Usaman, IU. M., Soin, S. G. - Reproduction and development of the White Sea smelt p 25
Vagabov, V. M., Serenkov, G. P. - Study of polyphosphates in two species of green algae p 38.
Kovaleva, A. N. - Biology of the golden currant (Ribes aureum Pursh.) p 48
Avdonin, N. S., Oglezneva, V. V. - Effect of soil properties and fertilizers on the winter hardiness of alfalfa and the biochemical processes in it p 57
Borovinskaia, L. B. - Effect of forest belts on changes in some features of light-colored Chestnut light loam soil p 69

OKHRANA PRIRODY I OZELENENIE [CONSERVATION AND LANDSCAPING] Issued by Vsesoiuznoe obshchestvo sodeistviia okhrane prirody i ozeleneniia naselennykh punktov [All-Russian Society for Aid to Conservation and the Landscaping of Populated Places] Moscow, no 3, 1960, Okhrana poleznykh zverei [Protection of useful animals].

Table of contents translated

From the editors. p. 3.
Manteifel', P. A. - Wildlife conservation as an important national problem. p. 5.
Klumov, S. K. - Game animals of the Kurile Islands. p. 9.
Dement'ev, N. I. - Biological observations on Arctic foxes and measures for their protection in Arkhangel Province and adjacent areas. p. 31.
Klumov, S. K. - Present whale stock in the world ocean and measures for its protection. p. 53.
Popov, L. A. - Controlling the hunting of hooded seal in the North Atlantic. p. 81.
Kochetkov, N. I. - Establishing density norms for moose in the Moscow region. p. 87.
Popov, L. A. - Coastal rookeries of walrus in the Laptev Sea. p. 95.
Zemskii, V. A. - Did the cetaceans possess hind legs? p. 105.
Solomatin, L. O. - Kushka River as the most important watering place for kulans of the Badkhyz Preserve. p. 109.
Strokov, V. V. - Use of tin water for scaring off susliks from acorns in steppe oak plantations. p. 113.
Kameneva, S. P., Paniutin, K. K. - Migration of some bat species. p. 117.
Bannikov, A. G., Vereshchagin, N. K., Formozov, A. N. - International Congress on Conservation. p. 121.

[MICROFILM]

REFERATIVNYI ZHURNAL: BIOLOGICHESKAIA KHIMIIA (Otdel'nyi vypusk 30i) [JOURNAL OF ABSTRACTS: BIOCHEMISTRY (Separate Issue 30i)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 24, Dec. 1963.

REFERATIVNYI ZHURNAL: BIOLOGIIA [JOURNAL OF ABSTRACTS: BIOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 23-24, Dec. 1963, no. 1, Jan. 1964.

* VOPROSY VIRUSOLOGII [PROBLEMS OF VIROLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U. S. S. R.]. Moscow, vol. 8, no. 2, Mar.-Apr. 1963.

Table of contents translated:

Program of the development of Soviet virology. p. 131.
Tarasevich, L. M. - Sulfhydryl groups of viruses. p. 135.
Tongur, V. S., and others. - Synthesis of RNA in cell-free homogenates of leaves infected with tobacco mosaic virus. p. 142.
Gendon, IU. Z. - Study of the role of the protein membrane of poliomyelitis virus in the process of penetration of the virus into the cell p 144
Rovnova, Z. I., and others. - Effect of antibodies and inhibitors on the virus-cell system p. 150
Salganik, R. I., Tomsons, V. P., Protas, L. K. - Study of the effect of some polyanions on the multiplication of poliomyelitis virus in connection with phenomena of RNA denaturation. p. 155.
Peterson, O. P., Li IUi [Li Yü] - Homologous interference between active and inactivated virus in smallpox vaccine on the chorioallantoic membrane of the chick embryo. p. 159.
Gruzdeva, N. M., Koslakov, P. N. - Effect of homologous and heterologous immune serums on the development of virus infection. p. 163.
Lomakina, L. IA., Razviazkina, G. M., Shubnikova, E. A. - Cytological and histological changes in the fat body of the cicada Psammotettix Striatus Fall. infected with the winter wheat mosaic virus. p. 168.
Kuvshinova, E. V. - Production of a specific antiserum against potato virus S. p. 172
Kuvshinova, E. V. - Production of antiserum against barley false stripe virus. p. 174.
Duan Suan-myou - Optimum conditions of pH and temperature for the hemagglutination reaction with the virus of Japanese encephalitis cultivated in tissues in vitro. p. 176.
Rezepova, A. I. - Standardization of conditions for inhibition of the hemagglutination reaction with noninfectious antigen of the virus of tick-borne encephalitis. p. 180.
Votiakov, V. I. - Data for the study of tick-borne encephalitis in White Russia Report No. I Course of experimental infection in rhesus macagne monkeys. p. 184.
Barkova, E. A., IErusalimskii, A. P. - Dynamics of the accumulation of virus-neutralizing antibodies in patients with various clinical forms of tick-borne encephalitis p. 189.
Rodin, I. M., and others. - Experimental serotherapy in Omsk hemorrhagic fever. p. 193.
Solov'ev, V. D., and others. - Identification of atypical strains of a conjectural influenza B virus isolated during the 1962 epidemic p. 199.
Pitts, E. R., Nadaichik, L. V., Voronina, G. V. - Study of ECMO viruses in experiments of monkeys p. 204.
Pitts, E. R. - Study of the chemical structure of ECMO viruses. p. 210.
Zubova, Z. F., and others. - Selection of ECHO virus strains for the preparation of type-specific rabbit serums. p. 213.
Anan'ev, V. A., and others - Characteristics of the virus isolated from feces of a patient with epidemic hepatitis (strain K3). p. 217.
Laalo, J., and others. - Experimental studies on epidemic hepatitis. Experiments on isolation of the virus. p. 221.
Romanenko, V. F., Sivin, V. N. - Study of the biological properties of cultural variants of sheep pox virus. p. 224.
Zhdanov, V. M., Bukrinskaia, A. G. - Effect of actinomycin D and aurantin on the multiplication of some myxoviruses. p. 230
Dreizin, R. S., Porubinovskaia, N. M., Zolotarskaia, E. E. - Allergic skin reaction to adenoviruses. p. 232.
Gumina, I. I., Etingof, R. N. - Lepin's modified medium for the cultivation of some transplanted tissue culture strains. p. 234.
Sekach, I. - Preparation of plasma or serum in microliter quantities p. 237.
Val'dman, K. L. - Photography of plaques. p. 239.
Beklemishev, V. N. - Study of the infection of ticks, encephalitis carriers, by the method of bioassay. p. 240.
Abstracts of articles received by the editors. p. 243.
Editorial notes. p. 250.
Brief news. p. 251.

ZOOLOGICHESKII ZHURNAL [ZOOLOGICAL JOURNAL]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 42, no. 9, 1963.

Table of contents translated:

Voitsov, N. N. - Irregularity of the rate of organ transformation and the principle of the compensation of functions. p. 1289.
Bibikov, D. I., Petrov, V. S., Khrustalevskii, V. P. - Some ecological and geographical characteristics of the natural focuses of plague. p. 1305.
Minichev, IU. S. - Anatomy of Anopsia gaudichaudii (Souleyet) and the systematic position of Gymnosomata (Opisthobranchia). p. 1317.
Greze, V. N. - Method for calculating the productivity of planktonic copepods. p. 1329.
Sevast'ianov, V. D. - Introduction to the study of anoetid mites. p. 1336.
Ass, M. IA. - Prehensile extremities of arthropods, their formation and function. p. 1346.
Lindeman, G. V. - Ecology and distribution of some little-known insects of the forest steppe zone. 1363.

Chernova, N.M. - Dynamics of the abundance of Collembola (Insecta) in the composts of fallen leaves. p. 1380
Sulkhanova, V.M. - Comparative epidemiological and epizootiological role of sandflies (Phlebotominae) in the Serakhs focus of zoonotic dermal leishmaniasis (Turkmen S.S.R.). p. 1383.
Ushakskii, S.M. - Geographical isomorphism in homothermal animals. p. 1392.
Dobrovolskii, Iu.A., Svidenko, G.D. - Occurrence of dermal leishmaniasis among greater gerbils in the interfluve of the Tedzhen and Murgab Rivers, use of the methods of medium-scale mapping. p. 1403.
Abrikosov, G.G. - Fauna of Lake Ochrida, Bryozoa, Phylactolaemata. p. 1409.
Gurieva, L.L. - New genus of click beetles (Coleoptera, Elateridae) from the northern Tien Shan. p. 1410.
Baidzhadze, A.I. - Study of the leaf miner Lithocolletis blancardella F., a pest of fruit crops in eastern Georgia. p. 1412.
Galli, V.V. - Increasing the efficiency of parasites of the pine-shoot moth (Evetria buoliana Schiff.) in pine stands of the northern slopes of the central Caucasus. p. 1414.
Nizovtsev, G.P., Ponomarenko, V.P., Shashkova, R.A. - New data on the representatives of the genus Liparis in the Barents Sea. p. 1415.
Kuchin, A.P. - Ecology of some predatory birds of the upper Ob' Valley. p. 1418.
Shvetsov, Iu.G. - Feeding habits of the Oriental vole Microtus maximowiczii Sch. in the Selenga Delta. p. 1420.
Minenanskii, V.A. - Distribution of the stone marten (Martes foina Erxl.) in Rostov Province. p. 1423.
Zhadin, V.I. - Review of the book "Ucha and Mozhaysk Reservoirs, hydrobiological and ichthyological studies." p. 1425.
Rustamov, A.K. - Review of O.P. Bogdanov's book "Reptiles of Turkmenia." p. 1427.

Vol. 42, no. 10, 1963.

Table of contents translated

Abdukov-Khurzorian, S.M. - Rhythm of evolution. p. 1433.
Shipovnikov, L.V. - Systematic position and evolutionary role of forms developing in the acclimatization of animals. p. 1446.
Markkova, R.P. - Seasonal variability of Bunodera luciopercae (O.F. Muller, 1776) and Sphaerostoma bramae (O.F. Muller, 1776) (Trematoda) in Karelia. p. 1453.
Shkorbatov, G.L. - Stability of ecological and physiological adaptations in some freshwater mollusks. p. 1462.
Ivlev, V.S. - Energy expenditure during the motion of prawns. p. 1465.
Ioffe, I.D. - Brain structure in Dermacentor pictus Herm. (Chelicerata, Acarina). p. 1472.
Ponomarchuk, V.I. - Vertical distribution of ground beetles (Coleoptera, Carabidae) in Transcarpathia. p. 1485.
Khotko, E.I. - Structure and distinctive characters of the pupae of owlet moths of the genus Harmodia HBN. (Lepidoptera, Noctuidae). p. 1494.
Egorov, N.N., Solozhenkina, T.N. - Hawthorn leaf roller Caroecia crataegana Hb. as a mass pest of the oak forests of Voronezh Province. p. 1501.
Tobias, V.I. - Ichneumon flies (Hymenoptera, Ichneumonidae) with the venation type of fore wings resembling that of Braconidae. p. 1513.
Svetovidov, A.N. - Systematic relations between European and North American anadromous clupeoid fishes of the genera Alosa, Caspialosa and Pomolobus. p. 1523.
Domanevskii, L.N. - Characteristics of the growth of pike (Esox lucius L.). p. 1539.
Panov, E.N. - Systematic position of the Ussuri ringed plover Charadrius hiaticula placidus Gray et Gray (based on ecologic data). p. 1546.
Klueshnik, N.S., Starostina, A.V. - Nonsynanthropic species of rodents in Leningrad. p. 1554.
Blagoveshchenskaia, N.M., Kondratenko, V.F., Zarubina, L.V. - Natural focus of leptospirosis of the serological group hebdomadis in Rostov Province. p. 1561.
Ishunin, G.I. - Feeding habits of foxes in Uzbekistan. p. 1567.
Glalovi, F.V., Mironov, O.G. - Radioactivity of some organisms in the Neman River. p. 1574.
Burukovskii, R.N. - Infestation of some mollusks with the nemertinean Malacobdella (O.F. Muller). p. 1576.
Genov, T. - Cysticercoid Paricterotaenia paradoxa Rudolphi, 1802 (Dilepididae Fuhrmann, 1907) found in Allolobophora caliginosa (Sav.) f. trapezoides (A. Dug.) (Lumbricidae). p. 1578.
Zakutskii, V.P. - Unusual density of population of the mollusk Aloidis maeotica (Mil.) in Odessa Gulf. p. 1579.
Emel'ianov, A.F. - New genus of leafhoppers of the subfamily Utopinae (Auchenorrhyncha, Cicadellidae). p. 1581.
Lindeman, G.V. - Biology of Scolytus sulcifrons Rey (Coleoptera, Ipidae). p. 1582.
Il'ichev, V.D. - Investigation of the fine structure of feathers by means of the IMN-2 apparatus. p. 1584.
Novikova, V.N., Purtova, I.V. - Experimental leptospirosis in some wild rodents. p. 1585.
Shchepot'ev, N.V. - "Animal world of Volgograd Province" by V.S. Kubantsev, V.IA. Uvarova, N.A. Kosareva. p. 1587.
Liozner, L.D. - Review of L.IA. Bliakher's book "An outline of the history of the morphology of animals." p. 1589.

d CHEMISTRY

AZERBAIDZHANSKII KHIMICHESKII ZHURNAL [AZERBAIJAN CHEMICAL JOURNAL] Issued by Akademiia nauk Azerbaidzhanskoi SSR [Academy of Sciences of the Azerbaijan S.S.R.]. Baku, no 3(21), 1962.

Table of contents translated

Mamedaliev, IU G., Alimardanov, R S - Alkylation of m-dichlorobenzene by propylene in the presence of sulfuric acid p 3
Mamedaliev, IU G., and others - Dehydrogenation of alkyl aromatic hydrocarbons in a fluid-bed catalyst p 11.
Markhaseva, S M., and others - Nitration of the fraction of propylene tetramers by nitric acid p 19
Pishnamazzade, B F - Formulas for calculating the quantity of theoretically possible isomers of trialkyl benzenes and their derivatives p. 27.
Akhmedov, Sh.T., Gadzhiev, G IU - Alkylation of biphenyl by olefins p. 39
Pis'man, I.I., and others. - Preparation of α-butylene by dehydration of n-butyl alcohol on aluminum oxide A-1 p. 49.
Kuliev, A.M., and others. - Products of condensation of alkyl phenols and their derivatives with monochloroacetic acid as inhibitors of steel corrosion p. 59
Salimov, M.A., Erivanskaia, I.A., Shuikin, N.I. - Infrared spectra of alkyl phenols and their ethers p. 67
Zul'fugarov, Z.G., Alimardanov, G I., Agamirzoeva, Z.S. - Effect of the chemical composition of chromiaaluminosilicate catalysts on their activity and chromium oxide forms p. 75.
Nagiev, M.F., Karamzin, P V., Mirdzhafarova, T.M. - Application of linear programming methods to the solution of problems of the theory of recycling processes in chemical technology p. 85
Shakhtakhtinskii, G.B., Shakarov, G.A., Aslanov, G A. - More accurate quantitative analysis of gallium in alunites and the determination of its extractability p. 93
Dzotsoti, S.Kh. - Quantitative potentiometric determination of syntomycin and levomycetin. p 99.
Bakhchisaraits'kan, N.G., Dzhafarov, E A - Use of insoluble anodes of lead dioxide in the processes of electrochemical synthesis p 109.
Efendiev, G.Kh., Alekperov, R A - Use of naphthenic acid as extractants of metals to recover from aqueous solutions. p 117
Kornienko, T.G - Forms in which germanium is associated with brown coals p. 125.

*KINETIKA I KATALIZ [KINETICS AND CATALYSIS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 5, Sep.-Oct. 1963.

Table of contents translated

Ponomarev, A.N., Tal'roze, V L - On the theory of low-temperature interaction between atomic hydrogen obtained in the gas phase and solid olefins. p. 667.
Saraeva, V.V., TSzin' IUi-tai [Chin Yü-t'ai] - Radiation-induced oxidation of 1-heptene. p 662.
Vlasov, V.G., Bessonov, A.F., - Oxidation of uranium dioxide by air in the presence of added carbonates and oxides. p. 666.
Boldyrev, V.V., and others - Effect of the addition of cadmium ions on the thermal stability of silver oxalate. p. 672.
Buben, N.IA., Tolkachev, V.A., Chkheidze, I.I. - Radicals formed in low-temperature radiolysis of toluene. p. 683.
Gazlev, G.A., Filimovskii, V.IU., IAnovskii, M.I. - Kinetics of heterogeneous catalytic reactions carried out under pulse-chromatographic operating conditions of ideal linear chromatography p. 688.
Flid, R.M., and others. - Kinetics of liquid-phase hydrochlorination of acetylene in the presence of cuprous chloride. p. 696.
Zakharov, I.V., Shliapintokh, V.IA. - Chemiluminescence in slow chemical reactions. Part 3: Chemiluminescent method used for studying the kinetics of hydroperoxide accumulation in the reaction of catalyzed oxidation of ethylbenzene. p. 706.
Entelis, S G., Kazanskii, K.S - Kinetics and the mechanism of 1,1-diphenylethylene dimerization in aqueous sulfuric acid Part 2: Kinetic regularities and the reaction mechanism p 713
Kiperman, S L., Nikolaeva, N.V., Davydova, I R - Kinetics of isopropyl alcohol dehydrogenation in the liquid phase p 723
Fasman, A B., Sokol'skii, D V - Kinetics and the mechanism of catalytic hydrogenation in the liquid phase Part 2 Some regularities in the hydrogenation of unsaturated hydrocarbons on a skeletal nickel catalyst p 736.
IAgodovskii, V D., Gitiaznov, V M., Savel'eva, E A - Kinetics of 1,3-cyclohexadiene dehydrogenation on platinum films in a wide range of temperatures p 746.
Markevich, S V - Conversions of ethylene on aluminosilicate catalysts p 753
Volin, IU M., Ostrovskii, G.M., Shin'ko, M G - Principle of the maximum in determining the optimum conditions of exothermic processes p. 760.
Kazanskii, B A., and others - Changes in alumina-chromia catalysts during the aromatization of n-hexane p 768
IAtsimirskii, K.B., Morozova, R P - Effect of complex formation on the induction period in certain homogeneous catalytic reactions. p 772
Golodets, G I - Entropy of the active complex in the oxidation of sulfur dioxide on a platinum catalyst p. 776
Ioffe, I.I., Klimova, N V. - Liquid-phase oxidation of hydrocarbons on solid semiconducting catalysts p. 779
Burshtein, N.R., Kogan, S.B., Davydova, Z.A. - Aromatization of hexanes at atmospheric pressure over a sodium promoted alumina-platinum catalyst. p. 783
Kiselev, A.V., Lopatkin, A.A - Geometric structure of cavities of the A and X-type zeolites. p 786
Vladimir Andreevich Rotter, on his 60th birthday p 792
First All-Union Conference on Modeling and Optimization of Catalytic Processes. p 795

REFERATIVNYI ZHURNAL: KHIMIIA [JOURNAL OF ABSTRACTS: CHEMISTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 18, Sep. 1963 Predmetnyi ukazatel' za 1961 g. [Subject Index for 1961], vols. 1-2, 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, Khimiia i khimicheskaia tekhnologiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Chemistry and Chemical Technology]. Moscow, vol. 6, no. 5, 1963.

Table of contents translated

Protsenko, P I., Shuldumov, G K - Fusibility of the reciprocal system Cs, Sr‖ NO_2, NO_3 p. 707.
Vasil'ev, V.P., and others. - Configuration equilibrium in solutions of chloride and thiocyanate complexes of cobalt. p. 712.
Levina, M.E., Khomova, N V. - Phase transitions and heats of solution of potassium fluoberyllate (K_2BeF_4) p. 717.
Gladyshev, V.P., Kozlovskii, M.T. - Reduction of selenite ion and tellurite ion by zinc amalgam. p. 724.
Proskuriakova, G F., Shvelkina, R V., Chernavina, M S - Comparative characteristics of some most sensitive methods for determining iodine in water p 729.
Galkina, L.L., Markman, A.L. - Flurometric determination of small amounts of beryllium p 735.
Zhivopistsev, V.P., Aitova, V.Kh., Selezneva, E A. - Successive separation and determination of some elements by means of diantipyrylmethane Part 1: Separation and determination of zinc and cadmium. p. 739.
Tikhonova, V.I. - Titrimetric determination of furfurole by iodic acid. p. 744.
Kiseev, V.A. - Atomic entropy of the formation of inorganic substances at high temperatures. p. 751.
Krestov, G.A - Change of entropy in the transition of monoatomic ions having the structure of inert gases from the crystalline and gaseous state to solution. p. 754
Gladyshev, V.P. - Reduction potentials of metals on a mercury electrode. Part 2: Nature of overvoltage in the reduction of metals on a mercury electrode. p. 762.
Pobedinskii, S.N., Krestov, G.A., Kuz'min, L.L. - Possibility of electrode processes taking place in the presence of the singly charged ions of alkaline earth metals. p. 768.
Atroshchenko, V.I., Kushnarenko, I.P. - Kinetics of the contact oxidation of methyl alcohol to formaldehyde on a silver catalyst. p. 774.

Belonogov, K N , and others. - Catalytic reduction of nitro derivatives by hydrogen. Part 1 Effect of certain factors on the activity and stability of nickel catalysts in the reduction of nitro derivatives by hydrogen in the liquid phase. p 781.

Babin, E.P , and others - Kinetics of the formation of isomers of isopropyltoluenes in toluene alkylation by propylene p 787.

Zavgorodnii, S V , Kharchenko, L S. - Alkylation of o-cresol by propene in the presence of catalysts BF_3 H_3PO_4 and BF_3 $O(C_2H_5)_2$ p 795

Kamai, Gil'm , Khusanov, A S - Dialkyl-β-naphthyl phosphites p. 799

Krasnyi, E.B , Kuznetsov-Fetisov, L I , Rozenberg, G.I - Adsorption of small concentrations of nitrogen peroxide - nitrogen tetroxide under dynamic conditions. p 802

TSeitlin, A N , Smirnova, O M - Operation of a packed denitrating column under plant conditions p 807.

Ganz, S.N , Luk'ianitsa, A I - Thermal dissociation of $FeSO_4$ in suspension p. 811.

Shorokhova, V I., Kuz'min, L.L. - Preparation of a conducting plastic material. Part 1 Copper coating of polystyrene p. 816

Andrushchenko, F K., and others - Electrodeposition of metals on titanium p. 823

Fierov, V N. - Change of the electrochemical characteristics of reversible silver electrodes under the effect of certain admixtures p. 829.

Chernykh, V.F , Azelitskaia, R D , Ponomarev, I F. - Clinker-forming compounds - water systems Part 1 Effect of alkalies and active silica on the hydration of calcium silicates. p 834.

Berezin, B D - Physicochemical properties of phthalocyanine pigments. Part 1 General characteristics of phthalocyanins Stability of solid pigments during acid treatment p. 841.

Borodkin, V F., Kuznetsov, S.S , Smirnov, L.N - Sulfoxymethylation of pigments. p 847

Gridunov, I T., Prikhina, S.F., Sokolovskii, A.A - Effect of deformation conditions on the dynamic stability of natural rubbers p. 851.

Serpionova, E.N - Calculation of the process of adsorption separation of a binary vapor mixture with the drawing off of intermediate fractions along the height of the column. p. 856.

Mikhailov, G M., Nikolaev, A.M - Generalized regularity of the hydraulics of a fixed granular bed p. 861.

Lyshevskii, A S. - Design of mechanical atomizer nozzles p. 865.

Teterevkov, A.I., Vil'nianskii, IA.E. - Mass transfer rate in the chlorination of a magnesium oxide suspension in molten chlorides. p 874.

Stamler, A.B., Geller, B.E. - Synthesis of polymers based on acrolein and phenol p. 879.

Chashchin, I.P., Norkin, N.N - Heat exchange on finned tube surfaces with low fins. p. 881

Mustafin, I.S., Kovaleva, A G. - On A.I. Busev's book "Analytical chemistry of molybdenum " p 884.

A G. Kasatkin, an obituary p. 886.

UKRAINSKII KHIMICHESKII ZHURNAL [UKRAINIAN CHEMICAL JOURNAL] Issued by Akademiia nauk URSR [Academy of Sciences of the Ukrainian S S. R.]. Kiev, vol. 29, no. 11, 1963.

Table of contents translated:

Sazhin, V.S., and others. - Solid phases formed in the system Na_2O - Al_2O_3 - SiO_2 - H_2O. p. 1123.

Markov, B.F., Prisiazhnyi, V.D. - Molar volume of molten reciprocal pairs of salts. p. 1128.

Tovbin, M.V., Radovskii, B.S., Tovbina, Z.M - Dynamics of the extraction of substances from porous materials. p. 1135.

Panasiuk, V.D., Shevchenko, S.A. - Aquation of some complex compounds of trivalent cobalt. p. 1142.

Kornelli, M.E., Legenchenko, I.A. - Sorption of rare-earth cations on a cation exchanger. Part 3: Kinetics of the sorption of rare-earth elements on a KU-2 resin in ammonium and sodium forms. p. 1147.

Nekriach, E.F., Samchenko, Z.A. - Study of structural changes in polyhexamethylene adipamide by the method of sorption and thermochemical measurements. p. 1151.

Markov, B.F., Tishura, T.A. - Form of cathodic deposits of titanium obtained by the electrolysis of fused chlorides. p. 1155.

Eremenko, V.N., Nizhenko, V.I. - Surface properties of nickel-based liquid alloys. Part. 1: Effect of silver on the surface tension of nickel. p. 1157.

Minenko, V.I., Ivanova, N.S. - Activity of lead oxide in melts of the PbO - SiO_2 system. p. 1160.

Panchenko, I.D., Shilina, G.V. - Theory of convective diffusion in the polarography of fused salts. p. 1164.

Kolotii, A.A. - Glass electrode in fused salts. p. 1169.

Kiprianov, A.I., Golubushina, G.M. - Cyanine dyes from 2-methyl-5,6-dioxybenzothiazole. p. 1173.

Bolko, T.S., Volkova, N.V., IAsnikov, A.A. - Catalytic action of amino acids and amines in organic reactions. Part 10: Specific action of amino acids and amines in crotonic and aldol condensations of butyraldehyde. p. 1179.

Dvorko, G F. - Theory of nucleophilic additions Part 12 Mechanism of the addition of hydrogen bromide to acetylene derivatives in acetic acid p. 1186.

Pazenko, Z.N., Lebedeva, T.N. - 1,3,5-Triazines. Part 1 Some transformations of 2-alkyl-4,6-bis (trichloromethyl)-1,3,5-triazine. p 1192

Nabivanets, B.I , Kudritskaia, L.N - Complex of thorium IV with xylenol orange. p. 1198.

Kornilova, V.I., Nazarchuk, T N. - Colored complex of niobium with hematoxylin. p. 1205.

Pilipenko, A.T., Shpak, E.A., Rubin, P.P. - Chemico-analytical properties of N-furoylphenylhydroxylamine. p 1209

Budnikov, P.P., Azarov, K.P., Keshishian, T.N. - Crystallization of perlite-based glass. p. 1215.

Gratsianskii, N.N., Riabov, A.K., Tobolich, V.V. - Effect of small additions of metals on the surface phenomena during hot lead plating. Report No. 2. p. 1219.

Vdovenko, I.D., Bushin, V.V. - Corrosion resistance of indium-tin alloys in sulfuric acid. p. 1222.

Fortunatov, N.S., Siobtsov, L.E. - Countercurrent coprecipitation of germanium with slightly soluble compounds of heavy metals. p. 1223.

Kul'skii, L.A., Zagrai, IA.M., Koganovskii, A.M. - Use of a fluidized bed of cation exchangers for the removal of nonferrous and heavy metals from waste waters. p. 1228.

*USPEKHI KHIMII [PROGRESS IN CHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol 32, no. 10, Oct. 1963

Table of contents translated:

Serebriakov, E.P., Kucherov, V.F. - Stereochemistry of hydrindan systems. p. 1177.

Khaletskii, A.M., Moldavei, B.L. - Pyrazolidine-3,5-diones; syntheses and pharmacological significance. p. 1201.

Savost'ianova, M.V. - Interaction of dyes with high molecular weight substances. p. 1233.

Parker, A.J. - Effect of solvation on the properties of anions in dipolar aprotic solvents. p. 1270.

*ZHURNAL ANALITICHESKOI KHIMII [JOURNAL OF ANALYTICAL CHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 18, no. 8, Aug. 1963.

Table of contents translated:

Kuznetsov, V.I., Ni Chzhao-ai [Ni Chao-ai]. - Composition of extractable inner-complex compounds p. 915.

Panchenko, I.D., Shilina, G.V. - Rotating disk electrode in the polarography of fused salts. p. 920.

Gallai, Z.A., Martianovskaia, T.IA. - Current-voltage study of divalent vanadium compounds and their use in the amperometric titration of tetravalent vanadium and titanium. p. 924.

Zhuraviev, G.I., Ryzhkova, L.I. - Photoelectric method of spectral analysis of solutions. p. 930.

Dziomko, V.M., Zelichenok, S.L., Markovich, I.S. - Photometric determination of lithium with quinazolinazo, a new reagent. p. 937.

Kreingol'd, S.U., Bozhevol'nov, E.A. - New luminescent catalytic reaction for determining copper. p. 942.

Belen'kii, B.G., Severinets, L.IA. - Microdetermination of calcium in organic substances by photometric titration with complexon III solution. p. 950.

Poliak, L.IA. - Photometric determination of titanium in aluminum and molybdenum-based alloys by means of diantipyrylmethane. p. 956.

Dorosh, V.M. - Photometric determination of small amounts of tantalum by means of rhodamines. p. 961.

Shustova, M.B., Nazarenko, V.A. - Trihydroxyfluorones as reagents for the photometric determination of molybdenum. p. 964.

Busev, A.I., Babenko, N.L. - Derivatives of pyrazolone as reagents for tellurium. p. 972.

Isaeva, E.A., Makasheva, I.L., Obukhov, A.P. - Analysis of pure silicon carbide by the neutron activation method. p. 979.

Lebedeva, A.I., Nikolaeva, N.A. - On the direct determination of oxygen in organic compounds. p. 984.

Klabunovskii, E.I., Ezerskaia, N.A. - Polarographic reduction of 2-ethylanthraquinone in dimethylformamide. p. 989.

Ermolenko, I.N., Chirkova, G.N. - Quantitative microdetermination of carboxyl groups in cellulosic materials by the luminescent method. p. 994.

Kliachev, V.I., Sligarenko, F.A., Finkel'shtein, A.V. - Polarographic determination of acetaldehyde in the presence of acrylonitrile. p. 999.

Potapov, V.M., Lazutina, L.I., Terent'ev, A.P. - Spectropolarimetric analysis. Report No. 3 Determination of isomeric nitrobenzaldehydes in their mixtures. p. 1003.

Bodiu, V.I., Lialikov, IU.S. - Pulse polarographic determination of some aldehydes. p. 1007.

Petrenko, G.P., Terent'eva, G.N. - Determination of fluorenone and phthalic acid in the product of vapor-phase oxidation of fluorene. p. 1012.

Doulin, V I , Nazarov, V.I. - Determination of silica fractions by amperometric titration. p. 1016.

Karpukhin, O.N., and others. - Chemiluminescent method for determining the inhibitors of free radical reactions. p. 1021.

Solodovnikov, P.P. - Violuric acid as an indicator in complexonometric titration of copper. p. 1026.

Sadzhaia, N.D. - Gravimetric determination of thorium with dihydroxymaleic acid. p. 1028.

Zaikovskii, V I., Ivanova, V.N. - Refining of the method for synthesizing arsenazo III. p 1030

Review of O. Samuelson's book "Ion exchange separations in analytical chemistry." p 1031.

Vol 18, no 10, Oct 1963

Table of contents translated

Kreshkov, A P , Bork, V A , Aparisheva M I - Amperometric titration of alkylchlorosilanes in methanol-benzene and acetic acid media p 1149

Poizulaev, Sh I , Konovalov, F V - Some problems involved in using zone melting for the preparation of analytical concentrates p 1155

Petrakovich, V E - Oxidized platinum electrode in electrometric analysis p 1161

Brainina, Kh Z - Concentration of substances in polarographic analysis Report No 1 p 1169

Kolosova, G M , Seninin, M M - Determination of ion exchange constants based on the principle of chromatographic analysis Report No 2 Determination of the constant of the cesium exchange on a KU-2 sulfo-cation exchanger p 1179

Kubasova, N B , Kibirov, G I - Excitation of spectra in the universal method of quantitative determination of elements p. 1184

Kurochkin, S S - Use of multichannel analyzers for activation analysis p 1192

Gorbenko, F P , Sachko, V V - Extraction of calcium by means of azo-azoxy-butylnaphthalenes in the presence of polar solvents. p. 1196

Bakacs-Polgar, E , Kurez-Csiky, I - Simple method for the isolation of radioactive strontium and barium p. 1206

Mogilianskii, A I , and others - Potentiometric determination of divalent mercury concentration using a mercury electrode p. 1211

Nazarenko, V A., Vinarova L.I. - Pyrocatechol violet as a reagent for germanium p 1217

TSyvenkova, T V., Kovalenko, P N , Ivanova, Z I - Electrolytic separation of nickel from solutions containing thorium salts p 1222.

Peshkova, V M , Dolmanova, I F , Semenova, N M - Determination of ultramicroquantities of cobalt in phosphorus by a kinetic method p. 1226

Busev, A.I., Naeu, A. - Use of 1-mercaptopropionic acid derivatives in analytical chemistry Report No 2: Photometric determination of palladium with p-phenetidide-1-mercaptopropionic acid p 1233.

Grinberg, I.V , Salamin, A.A - Titrimetric and micromethod for the determination of carbonate carbon in solid mineral fuels p. 1239.

Ponomarenko, A.A., Amelina, L.M - Determination of small quantities of phenols by the chemiluminescent method p. 1244

Belous, G G., Bezuglyi, V D - Polarographic determination of 1,3,5-triphenyl-Δ^2-pyrazoline in plastic scintillators p 1250

TSilovich, I K., Cherkashin, V I. - Use of ion exchangers for the separation of chlorophenoxyacetic acids, their salts, and phenol. p 1255.

Strepikheev, IU A , Zalikin, A A , Chimishkian, A L - Determination of primary, secondary, and tertiary amino groups in polynuclear polyamines p 1262.

Karpov, O N - Quantitative iodination of some mono-amyl phenols p. 1266.

Songina, O.A., Studenskaia, L.S - Interaction of the electrode material with a solution in the presence of oxidizing agents p 1269

Spitsyn, V I., and others - Determination of sodium in metallic tungsten by the radioactivation method p. 1272.

Tananaev, I.V., Chudinova, N N - Gravimetric determination of gallium as phosphate. p 1274

Aleksandrov, A , Vasileva-Aleksandrova, P. - Detection of tin in the systematic analysis of cations of the hydrogen sulfide group. p 1275.

Baev, F.K - "Precipitation chromatography" by K.M. Ol'shanova, V.D Kopylova, N.M. Morozova p. 1277.

Fedorenko, N V. - Sixth Conference on the Analysis of Platinum Metals. p 1279.

Dedkov, IU.M. - Moscow seminar on analytical chemistry p. 1280.

*ZHURNAL FIZICHESKOI KHIMII [JOURNAL OF PHYSICAL CHEMISTRY]. Published by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 37, no. 9, Sep, 1963.

Table of contents translated:

Landau, A.I. - Plotting of two-dimensional polythermal sections of equilibrium diagrams for multicomponent eutectic systems with the aid of the method of projections. Part 4: Application of the geometrical unfolding (shadows) method for the plotting of equilibrium diagrams for eutetic systems with an arbitrary number of components. p. 1933.

IU IA - Analysis of irrational viscosity
rms of binary systems p.1938
M P. - *Regularities* in the location of sur-
ressure folds of a ternary liquid- vapor sys-
d in the shift of folds with change in tempera-
Part 2. p.1941.

O.K - Present-day state of the problem of
ells p 1940
K.K., Gorbunov, V.V - Study of the burn-
detonation transition of explosives Part 2
stability of the normal combustion of pow-
explosives p 1958.
, A V., Kulakova, I I - Effect of mercury,
ic, and cyan ions on the properties of Pd
ode p 1966
, V.P , Tatevskii, V M. - Concept of
onegativity of atoms Part 4 Consideration
nitheoretical and theoretical methods of
mining the electronegativity values p 1973.
B S., Lur'e, B.A - Characteristics of the
al decomposition of dinitrohydroxyethylni-
ne. p 1979

h, G.G , Borisov, G.K - Thermodiffusion
ation of silicon isotopes in monosilane.
5
o, V I - Method of sectioning the composi-
diagrams of multicomponent reciprocal sys-
with complex formation p 1989
ov, V.M , Belousov, A.P. - Polymorphism
tain triglycerides of higher fatty acids and
ural mixtures of triglycerides. p.1995
ka, N.P. - Physicochemical studies in the
s of dinitro derivatives of pyridine. p.2001.
, O S - Transient processes in the charg-
porous electrodes. p.2007
n, V.A , Vlasov, O.N. - Dipole moments of
ethyl esters of some dicarboxylic acids.
2
V.M , Ershler, B.V - Data on the recom-
ion of radicals from various tracks in radiolys-
ad the homogeneous kinetics. Part 3 Ranges
ncentration and irradiation rates within which
imple radiolysis model is valid. p.2016.
a, A A , Gorbunova, K M , Glazunov, M P.
tion mechanism of nickel reduction by hypo-
hite studied with the aid of deuterium as
r. Part 1 Solutions without organic additives.
22.
il, S.S., and others. - Adhesion of high poly-
to metals. Part 4 Temperature dependence
he activation energy of adhesion. p.2027
latova, A.A , Balandin, A.A., IUi TSi-tsiuan'
Ch'i-ch'iian]. - Catalytic properties of lantha-
oxide in the reactions of dehydrogenation and
dration of alcohols and dehydrogenation of
ine. p.2034.
'iants, M Kh., YAn'Go-sen' [Yen Kuo-Sên]. -
perature dependence of the viscosity of n-
nes p 2041.
v, N.A., Gurevich, E.L. - Study of equilibria
naqueous electrolyte solutions with the aid of
rption spectra. Part 4: Optical and electro-
ic studies of picric acid in mixtures of hexane
n-butanol and dioxane with water p 2048.
lev, L T., *and others.* - *Determination of*
ll amounts of water and hydroxyl groups by
erium exchange and mass spectrometry.
)54.
skii, A.A., Voskresenskii, A.A. - Heats of
mation of strontium, lead, and silver sulfites
)62
v, B P. - Contribution to the theory of solu-
s of nonmetals in molten iron p.2068.
v, V.K., and others. - Tracer method study of
character of the breakdown of the polymer-sub-
te adhesive joint. p.2077.
, G.I , Knorre, V.G. - Kinetics of the thermal
omposition of methane by a single-pulse shock
p.2082.
I , Mal'tsev, A.N., Eremin, E.N. - Steady
e concentrations of nitric oxide in the glow dis-
rge. Part 6. Effect of the composition of initial
ture on the formation of nitric oxide in a nar-
reactor. p.2087.
v, D.A., Sklenskaia, E.V. - Separation effi-
cy of complexes with respect to lithium iso-
es. p 2094.
in, A.B., Getmantseva, I.P., Sokol'skii, D.V. -
asurement of the gradient of hydrogen concen-
tion in hydrogenation of solutions. p.2100
, IU.A. - On some schemes for calculating the
rgy differences of rotational isomers. p.2106.
i, L A. - Anodic evolution of oxygen on cadmium
oncentrated alkali solutions. p.2114.
i, L A., Fortunatov, A.V. - Anodic evolution of
gen on cadmium in concentrated alkali solu-
ns. p.2118.
nov, V.A., Filinovskii, V.IU. - Study of the
etics of electrode processes by means of alter-
ing currents on a rotating disk electrode.
)122.

erel, E.R., Ivanovskii, F.P. - Solubility of car-
dioxide in aqueous solutions of dimethylform-
ide at low temperatures. p.2125.

Evdokimov, V B - Some characteristics of the magnetization of a system of supermagnetic particles. Part 2 p.2128
Shekhobalova, V.I., Koborev, N.I. - Active centers of platinum adsorption catalysts in ammonia oxidation p.2131
Ivanov, V.F., Iofa, Z A - Evaluation of the degree of irreversibility of iron reduction on the dropping mercury electrodes. p.2132.
Zhitnev, IU N - Automatic analysis of ozone. p 2136.
Bylina, E A., Evdokimov, V D. - Device for magnetic measurements in the temperature range 110-573°K Part 4. p.2138.
Evdokimov, V B - Faraday method. p.2139
Kudriavtsev, B B , Nikonov, K.P. - Temperature dependence of sound absorption in a relaxation liquid p 2142.
Gerasimov, IA I. - From the Scientific Advisory Board on chemical thermodynamics at the Institute of General and Inorganic Chemistry of the Academy of Sciences of the U S.S R. p.2145

e. MATHEMATICS

AKADEMIIA NAUK SSSR. Vychislitel'nyi tsentr. Soobshcheniia po vychislitel'noi matematike [ACADEMY OF SCIENCES OF THE U.S.S.R. Computation Center. Reports on Computer Mathematics], Moscow, no. 2, 1963.
Contents Korobeinikov, V.P., Chushkin, P.I. Shaiovatova, K.V. [Tables of gas dynamic functions of the initial stage of a point explosion] Tablitsy gazodinamicheskikh funktsii nachal'noi stadii tochechnogo vzryva. 57 p.

AKADEMIIA NAUK SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy dlia mashin "Ural" [ACADEMY OF SCIENCES OF THE U.S.S.R. Computation Center. Standard Programs for the "Ural" Computers]. Moscow, no. 1, 1963.
Contents. Gavrilenko, E.T. [Command systems of the "Ural-2" and "Ural-4" universal digital computers] Sistemy komand universal'nykh tsifrovykh elektronnykh vychislitel'nykh mashin "Ural-2" i "Ural-4." 96 p.

MOSCOW. UNIVERSITET DRUZHBY NARODOV. Seminar po teorii differentsial'nykh uravnenii s otkloniaiushchimsia argumentom. Trudy [UNIVERSITY OF THE PEOPLES FRIENDSHIP. Seminar on the Theory of Differential Equations with Deviating Argument. Transactions]. Vol. 1, 1962.
Table of contents translated:
El'sgol'ts, L. E. - Principal directions of the development of the theory of differential equations with *deviating argument.* p. 3.
Vasil'eva, A. B., Rodionov, A. M. - Application of the method of perturbations to an equation with delayed argument in the case of a slight delay. p. 20.
Norkin, S. B. - Natural frequency of a class of oscillatory systems with delayed forces. p. 28.
Zverkin, A. M. - Existence and uniqueness theorems for an equation with deviating argument in the critical case. p. 37.
Kamenskii, G. A. - Boundary value problem for a nonlinear differential equation with deviating argument of the neutral type. p. 47.
Ozhiganova, I. A. - Determining the region of asymptotic stability for a first-order differential equation with deviating argument. p. 52.
Zverkin, A. M. - Equivalence of various classes of initial conditions for equations with deviating argument. p. 63.
Galsarian, S. S. - Foundation for B. G. Galerkin's method of solving boundary value problems for equations with deviating argument. p. 69.
Zverkina, T. S. - Approximate solution of differential equations with deviating argument and differential equations with discontinuous right members. p. 76.
Gul', I. M. - Partial differential equations with functional arguments. p. 94.
Riabov, IU. A. - Method of the small parameter in the theory of periodic solutions of differential equations with delayed argument. p. 103.
El'sgol'ts, L. E. - Effect on stability of a small deviation of the argument. p. 114.
Norkin, S. B. - Multiple zeros in the solutions to a homogeneous second-order differential equation with delayed argument. p. 116.
El'sgol'ts, L. E. - Equations with deviating argument, analogous to Euler's equations. p. 120.

REFERATIVNYI ZHURNAL: MATEMATIKA [JOURNAL OF ABSTRACTS: MATHEMATICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, sistimaticheskii i predmetnyi ukazateli za 1962 g. [Classed and Subject Indexes for 1962], publ. 1963.

SIBIRSKII MATEMATICHESKII ZHURNAL [SIBERIAN MATHEMATICAL JOURNAL]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Branch of the Academy of Sciences of the U S.S.R]. Moscow, vol. 4, no 5. Sep.-Oct. 1963.
Table of contents translated:
Aleksandrov, I A - Variational formulae for univalent functions in doubly connected regions p 961
Arakelian, N U - Uniform approximation by integral functions with estimation of their growth p 977
Barabanovskii, F T - Cauchy problem for a strongly degenerate hyperbolic equation p 1000
Dugrov, IA S - S M Nikol'skii's imbedding theorems for H-classes p 1012
Dorofeev, G V - Alternative rings with three generatrices p 1029
Dorofeev, G.V - One example to the theory of alternative rings p 1049
Elizarov, V P. - Some properties of rings of quotients p. 1053
Zubova, A F - Variable and stable solutions to a second-order equation p 1060
Kamynin, L.I - Method of thermal potentials for a parabolic equation with discontinuous coefficients p. 1071.
Kovantsov, N I - Complexes in hyperbolic space. p. 1106
Latyshev, V.N - Two remarks on PI-algebras p 1120
Latyshev, V N. - Selecting the base in a T-ideal p 1122
Lidskii, E A. - Stability of solutions to a slowly varying stochastic system. p 1128
Palamodov, V.P. - Conditions of correct solvability in the large of a certain class of equations with constant coefficients p 1137
Smirnov, M.M - Mixed boundary value problem for the equation $ym\frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial y^2} = 0$. p 1150.
Ushakov, V.I - Topological FC-groups p. 1162
Shemetkov, L A. - Finite groups with invariance condition for some subgroups p. 1175
Bokut', L A. - Kaplanskii's problem p 1184
Veksler, A.I - Realizability of K-lineals p 1186
Toponogov, V A. - Estimating the length of a convex curve on a two-dimensional surface p. 1189.
TSukerman, G.M. - Galois' triangular theory p 1194
Kargapolov, M I - Remarks on the article "Periodical groups of matrices " p. 1198.

UKRAINSKII MATEMATICHESKII ZHURNAL [UKRAINIAN MATHEMATICAL JOURNAL]. Organ of Institut matematiki Akademii nauk URSR [Institute of Mathematics of the Academy of Sciences of the Ukrainian S.S.R.], Kiev, vol. 15, no. 3, 1963.
Table of contents translated
Breus, K.A. - Dmitrii Aleksandrovich Grave, on the 100th anniversary of his birth. p. 235.
Ivaniuta, I.D. - Sylov p-subgroups of a denumerable symmetrical group. p. 240.
Logunov, A.A., and others. - Dispersion relations and analytic properties of partial amplitudes in perturbation theory. p. 250.
Khripun, M.D. - An ordinary linear differential equation of higher order. p. 277.
Chernobyl'skaia, E.I., TSikunov, I.K. - Sylov p-subgroups of orthogonal and simplex groups in hyperbolic space. p. 290.
Savin, G.N., Sokolov, IU.D., Putiata, T.V. - Aleksandr Ill'evich Ishlinskii; on his 50th birthday. p. 299.
Vu Tuan. - L.Z. Shtokalo's operational theory of solving linear differential equations. p. 303.
Veherashniuk, P.P. - Motion of an artificial earth satellite relative to the mass center. p. 305.
Kurpel', N.S. - Approximate solution of nonlinear operator equations by IU.D. Sokolov's method. p. 309.
Lipovoi, G.S. - Use of electric modeling in constructing a potential gas flow with allowance for its compressibility around a wing profile. p. 314.
Parasiuk, O.S. - Feynman's integrals and Poincaré's method. p. 320.
Savenkov, V.N. - Convergence of iterative processes in determining the constants of the Christoffel-Schwarz integral. p. 321.
Samoilenko, A.M. - Periodical solutions to differential equations with nondifferentiable right-hand parts. p. 328.
Stoliarskaia, N.E. - Deriving solutions for nonlinear systems affected by explicitly time-dependent external periodical forces. p. 332.
Shulezhko, L.F. - Dynamic stability of a cylindrical shell subjected to the action of high-frequency axial periodical forces. p. 338.

*USPEKHI MATEMATICHESKIKH NAUK [PROGRESS IN THE MATHEMATICAL SCIENCES]. Issued by Akademiia nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U. S. S. R. and the Moscow Mathematical Society]. Moscow, vol. 18, no. 5(113), Sep.-Oct. 1963.
Table of contents translated:
Gnedenko, B.V - A.N. Kolmogorov's studies on the theory of probability. p. 5.

P 13e-13f

Arnol'd, V I - Proof of A N Kolmogorov's theorem on the conservation of conditionally periodic motions with small variations in the Hamilton function p 13

Smirl, LA G - Some remarks on the spectral properties of ergodic dynamic systems p 41

Tikhomirov, V M - A N Kholmogorov's studies on ε -entropy of functional classes and superpositions of functions p 55.

Monin, A S , Yaglom, A M - Laws governing small-size turbulent motions of liquids and gases p 93

Aleksandrov, P S , Onoderko, B V - A N Kolmogorov as a teacher p 115

Index of A N Kolmogorov's works published in 1953-1962 p 121

Aleksandrov, P S , Ponomarev, V I - Projective spectra and canonical coverings p 125

Arov, D Z - Topological similarity of automorphisms and translations of compact commutative groups p 133

Arkhangel'skii, A V - Some metrization theorems p 139

Belaeva, T B , Zalgaller, V A - Formulation of the theory of envelopes, a methodological note p 137

Vinokurov, V G - Topological properties of partially ordered sets p 151

Dan'ilevich, I K - A property of completely continuous operators in C-space p 157

Evgrafov, M A - New formulas in variational calculus p 159

Ismagilov, R S - Self-adjointness of the Sturm-Liouville operator p 161

Kadets, M I - Lozinskii - Kharshiladze's systems p 167.

Lunts, A L - Symmetrical metric in a space of transfinite numbers p 171

Litunzin, A.I - Example of a pair of orthogonal Latin squares of the tenth order p 173

Matveev, I V , Nikol'skii, S M - Joining class $H_p^{(\alpha)}$ functions p.175

Mishchenko, A S - Example of an irreducible perfect mapping of an abnormal space onto a normal one p 181

Pasynkov, B.A. - Zero-dimensional open mappings raising the dimension. p 183

Taikov, L V - Divergence of Fourier series under a system of trigonometric transpositions p.191

Chernikov, S N - Haar's theorem on infinite systems of linear inequalities p 199

Chistiakov, A L - Multichannel scattering. p 201

Shashkin, IU A - Note on adjacent vertices of a convex polyhedron p.209

Shtan'ko, M A. - A space of relative distances p 213

Meetings of the Moscow Mathematical Society p 219

Summaries of papers accepted for publication by the Moscow Mathematical Society p.221.

A resolution of the Presidium of the Academy of Sciences of the U.S.S R p 230

Steklkin, S.B - Seminar on the mathematical aspects of gas dynamics p 231

Kalinina, L P - New books on mathematics p 233

f PHYSICS

*AKADEMIIA NAUK SSSR. Izvestiia. Seriia geofizicheskaia [ACADEMY OF SCIENCES OF THE U S.S.R. Bulletin. Geophysical Series]. Moscow, no 10, Oct. 1963.

Table of contents translated

Molodenskii, M.S. - Effect of viscosity on the phase of earth tides. p 1469.

Molodenskii, M.S. - Direction of the main axes of the stressed state in earth tides. p. 1483.

Glasko, V.B , Savarenskii, E.F , Shechkov, B N. - Data on phase and group velocities of surface seismic waves. p 1486.

Popov, V.V. - Relaxation of thermal stresses in the upper layers of the earth. p. 1494.

Urupov, A.K. - Reduction of errors in determining velocities from hodographs of reflected waves. p 1508.

Zakharchenko, V.F. - Distribution of thermal neutrons, allowing for deceleration, as applicable to pulse-source neutron measurement in geophysics. p. 1522.

Van'ian, L.L. - Generation of an electromagnetic field in an anisotropic layer p. 1532.

Kuzovkin, S.K. - Effective method of electric compensation of the primary signal in the aerial inductive method. p. 1540.

Kats, S A. - Method for calculating complex spectra of impulse functions with the aid of a pulse height analyzer. p 1544.

Glinskii, N.T., Boguslavskii, S.G. - Effect of interior waves on vertical exchange in the ocean. p. 1554.

Zhukovets, A.M - Effect of roughness of the bottom on waves in shallow waters. p. 1561.

Golovin, A.M. - Kinetic equation describing coagulating cloud droplets with allowance for condensation. Part 3. p. 1571.

Ivanov, V N , Shatonovich, R.L - Lagrangian characteristics of turbulence. p 1581

Tsvang, L R. - Some characteristics of the spectra of temperature pulsations in an atmospheric boundary layer p 1591.

Eishkovich, A.I - Role of solar cosmic rays in the formation of the electron component of the earth's radiation belts p 1601.

No 11, Nov. 1963.

Table of contents translated

Gil'bershtein, P G , Gurvich, I.I - Use of two-dimensional models in studying front waves from strata of varying thickness. p 1605,

Alekseev, V.S., and others - Physical nature of certain waves recorded in holographic seismic sounding, Part I. p 1620.

Tan TSzi-ven' [T'eng Chi-wen]. - Dynamic characteristics of seismic waves in the presence of faults (data gathered by seismic model study). p 1631.

Savarenskii, E F. - Dependence of the energy flux of Love waves in the period and depth p. 1644

Obukhov, G G. - Propagation of Love surface waves in the earth's crust in the case of periodic roughness of the diurnal boundary and the crust - mantle interface. p. 1649.

Kornil'tsev, V.V. - Excitation and decay of induced polarization in a capillary medium. p. 1658.

Tabulevich, V N. - Swell, head wind, and microseisms. p. 1657.

Konstantinova, A.G., Mysina, L.G., Ivanov, V.S. - Characteristics of the seismoacoustic processes accompanying sudden ejections of coal and gas during well boring p. 1676

Levchenko, D.G., Kotiuk, A.F. - Induction type transducers of limited size for measuring weak magnetic fields of audio frequency. p. 1684.

Van'ian, L.L - Quantities characterizing the generation of an electromagnetic field p. 1691.

Dlad'ko, I.G., Lisenenkov, A.T., Zverev, G.N. - Mathematical experiment for solving certain geophysical problems. p. 1694.

Tabulevich, V.N - Estimating the depth of the seismic center of the Caspian earthquakes of October 15, 1960 and February 12, 1961. p. 1699.

Golizdra, G.IA. - Distribution of the singular points of the gravitational field for a certain class of two-dimensional bodies. p. 1701.

Makhon'ko, K P - Determining the coefficient of rain scavenging of radioactive dust p. 1709.

Karol', I.L. - Estimating the average scavenging rate for natural radioactive aerosols from the atmosphere by clouds and precipitation. p. 1718

Pudovkina, I B. - Changes in the atmospheric electric field in the region of Mount Elbrus. p 1730.

Lebedev, S.L. - Effect of the gravitational fall of cloud drops on the water content of clouds. p. 1741.

Sedunov, IU.S. - Calculation of the mutual velocities of Stokes particles in a turbulent flow. p. 1747.

Ivanov, A.P., Makarevich, S.A. - Effect of the width of a beam of light on the depth of its penetration into a scattering medium. p. 1754.

Konozenko, I D., Zaika, Zh.A. - Type SIT-2K device for drawing the temperature chart of a locality. p. 1758.

Ross, IU., Sulev, M. - All-Union comparison testing of long-wave radiation receivers at Tartu. p. 1762.

AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent. Izvestiia. Seriia fiziko-matematicheskikh nauk [ACADEMY OF SCIENCES OF THE UZBEK S.S.R. Bulletin. Series in the Physical and Mathematical Sciences] Tashkent, no. 6, 1961.

Table of contents translated

Dzhuraev, T D. - Equations of the mixed composite type. p 3.

Mansurov, Kh. - Analog of Euler-Maclaurin's formula for functions of two variables. p. 15.

Filatov, A.N. - General solution to the problem of the rotation of a heavy solid around a fixed point. p. 23.

Arifov, U.A., Atukhanov, A.Kh. - Nature of the secondary emission generated during the bombardment with alkali ions of films of alkali elements on metals p. 34.

Arifov, U.A., Khadzhimukhamedov, Kh.Kh., Sokolov, A.P. - Thermionic secondary emission of K, Rb, and Cs ions injected in Mo and Ti targets. p. 40

Arifov, U.A., and others. - Thermionic secondary emission of alkali ions injected in targets of different densities p. 44.

Arifov, U.A., Khadzhimukhamedov, Kh.Kh. - Scattering of alkali ions on a metal surface at a high temperature. p 47.

Arifov, U.A., and others. - Ion scattering on a metal surface, experimental part p. 50.

Arifov, U.A., Atukhanov, A.Kh., Aliev, A.A. - Angular distribution of ions of alkali elements scattered by a metal surface. p. 57.

Azimov, S.A., and others. - Azimuthal angular distribution of atmospheric shower particles. p. 65.

Starodubtsev, S.V., and others. - Change in the adsorbing capacity of silica gel induced by high-frequency discharges. p. 77.

Parilis, E.S. - Theory of the "potential" ion-electron emission p 78

Shalpykov, A., Lokhanov, E.M - Determination of certain parameters of semiconducting materials by means of electron irradiation of p - n junctions. p. 80.

Arzhanykh, I.S. - Relation between the theory of elasticity and electrodynamics. p 81.

World Center of Information on the International Geophysical Year. p 83.

CHLKHOSLOVATSKII FIZICHESKII ZHURNAL. CZECHOSLOVAK JOURNAL OF PHYSICS, Issued by Chekhoslovatskaia Akademiia nauk [Czechoslovak Academy of Sciences]. Prague, vol. 13, no. 12, 1963, vol. 14, no 1, 1964.

* FIZIKA TVERDOGO TELA [SOLID STATE PHYSICS] Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol 5, no 11, Nov 1963

Table of contents translated

L'vova, F IU - Effect of cadmium on the probabilities of electron recombination in germanium p 3057

Kostiuk, V G , Zilling, K K., Serebriakov, A V - Strength characteristics of whisker type metal crystals with admixtures p. 3060

Likhter, A I , Kechin, V V - Dependence of galvanomagnetic effects in graphite on temperature and pressure p. 3066.

Bokshtein, S Z., and others - Internal friction of deformed molybdenum and its alloys with zirconium and rhenium p. 3075

Shadin, V.S , Gorodetskii, A F - Piezoresistance of germanium p. 3081

Malkin, B.Z. - Theory of the shape, width, and shifting of luminescence lines of impurity centers in ionic crystals. p 3088.

Stafeev, V.I - Some properties of germanium with admixture of gold. p 3095

Stekhanov, A.I., Gabelchidze, Z A - Raman effect in the ferroelectric crystal of ammonium sulfate p 3105

Shiota, N N , Khachatrian, IU M. - Effect of hydrostatic pressure on the susceptibility of manganese ferrites. p 3110.

Laius, L A., Kuvshinskii, E V. - Structure and mechanical properties of "oriented" amorphous linear polymers. p 3113.

Kessel', A.R. - Quantum theory of transients in paramagnetic resonance (effective spin 1, equidistant spectrum) p 3120.

Vorob'ev, V.V. - Making allowance for excited states in recombination statistics p.3130.

Kiseleva, K.V., Bogdanov, S V - Structure of solid solutions of $SrTiO_3$-Bi_2O_3.$3TiO_2$. p 3133

Dekhtiar, M.V. - Atomic and magnetic ordering of the Fe_3Cr alloy. p.3136.

Novik, F.T. - High-voltage photo-e.m.f. in "mosaic crystal" cadmium telluride films. p.3142

Glinchuk, K D., Litovchenko, N.M - Capture of current carriers in thermally treated silicon p 3150.

Kovalev, O V. - Determining the symmetry of magnetic crystals p.3156.

Kovalev, O.V. - Possible magnetic structures in crystals with symmetrical close hexagonal packing of magnetic atoms p.3164.

Ivanov, G.A. - Electric properties of single crystals of Te - Bi solid solutions in the temperature range 77°-300°K p. 3173.

Afanas'ev, V F., and others. - Effect of trapping levels on the lux-ampere characteristics in silicon p.3179

Bulaevskii, L.N - Thermodynamic theory of domain walls in perovskite type ferroelectrics. p 3185

Tkachev, V D., Plotnikov, A.F., Vavilov, V.S - Nature of local centers with deep-seated levels in silicon irradiated by fast electrons p. 3188.

Polovikov, F.I., Volchanskaia, V V. - Susceptibility of electrets. p 3195.

Nesterenko, B.A., and others. - Field effect in thin lead sulfide films. p.3199.

Litovchenko, V.G., Liashenko, V.I. - Electrophysical properties of the actual surface of silicon at varying temperatures. p.3207.

Kaganov, M.I., Peschanskii, V.G. - Theory of sound absorption in solids. p.3215.

Kurova, I A., Kalashnikov, S.G. - Electric instability in germanium. p 3224.

Van Chzhi-gan [Wang Chih-kang]. - Theoretical examination of the energy of an electron transition corresponding to a β-band. p.3231.

Kiselev, A.A. - Calculating the position of a β-band in the absorption spectrum of the NaCl crystal. p 3238.

Bendik, M A., Petrusevich, R.L , Soifertinskaia, E.S. - Effect of dislocations on cadmium diffusion in gallium arsenide. p.3247

Deigen, M.F., Glinchuk, M.D. - Excitons near the surface of a homopolar crystal p.3250.

Voronkova, N.M., Nasledov, D.N., Slobodchikov, S.V - Photoelectric properties of gallium arsenide. p.3259.

Buimistrov, V M. - Continuous model of an F-center in AgBr p. 3264

Savel'ev, V.A , Sokolov, N D - Calculating the extension of the hydrogen bond in isotopic substitution in ice p 3273

Kleisman, S M , Timofeev, A N , Trakhtenberg, I Sh - Intercrystalline self-diffusion of silver in an electric field. p. 3276.

Belle, M L - Optical reflection of PbS and PbSe single crystals in the region 6 ÷ 1 5 ev. p 3282

Bogomolov, V.N., Zhuze, V.P. - Anistropy of the Hall effect in partially reduced single-crystal rutile (TiO_2) p 3285.

Buishvili, L L - Forbidden nuclear paramagnetic resonance in ferromagnetic substances p 3291

Kozlovskii, V.Kh. - Quantum effects in ferroelectric substances with hydrogen bonds p. 3294

Zibuts, Iu.A., Paritskii, L G , Ryvkin, S.M. - Some properties of silicon with admixtures of mercury, tungsten, molybdenum, and platinum p 3301.

Kornilov, B V - Absorption in silicon alloyed with zinc p 3305.

Kiselev, S V., and others. - Neutron diffraction examination of magnetic ordering and atomic displacements in certain iron-containing Perovskite-type substances with special dielectric properties p 3312

Zadumkin, S N. - Substantiation of Bravais' rule. p 3317.

Shul'man, A.R., Kanicheva, I R , Barzdo, B F - Energy spectrum of electrons after passing through thin free metallic films. p. 3318.

Katrich, G A., Sarbei, O G. - Surface conductivity of germanium alloyed with gold. p. 3321

Korolluk, A.P. - "Gigantic" quantum oscillations of the coefficient of sound absorption in bismuth. p. 3323.

Mostovskii, A.A., Vorob'eva, O B , Stuchinskii, G.B - Photoelectric and secondary-emission properties of composite photocathodes. p. 3325.

Buishvili, L.L. - Nuclear magnetic resonance in deformed ferromagnetics. p. 3327

Zotova, N.V., Lagunova, T.S., Nasledov, D.N. Negative magnetic resistance in n-type indium arsenide at low temperatures p. 3329

Kornilov, B.V. - Selective inertness of a p-n junction at deep-seated zinc levels in silicon. p. 3331.

Volodicheva, M I., Trifonov, E.D. - Shape of lines in paramagnetic resonance spectra of F-centers in alkali halide crystals. p 3333

Kulikpin, Iu.A , IAtsenko, A F. - Luminescence of gamma-irradiated KNO_3. p 3334.

Ioffe, A V - Dependence of the thermal conductivity of the crystal lattice on the ionicity of the compound p. 3336.

Aliev, M.I , Dzhangirov, A.Iu. - Thermal conductivity of InSb - In_2Te_3 alloys p 3336.

Zhdanova, V.V. - Effect of impurities on the coefficient of thermal expansion of p-Ge p 3341

Shul'man, A.R., Kanicheva, I.R., Barzdo, B F - Distribution of energy losses of an electron beam along the depth in copper and aluminum. p 3344

Kolesnik, L.I., Kontsevoi, Iu.A. - Long-time changes in the photoelectromagnetic effect in germanium. p. 3346.

Kapitsa, M.L., Grigor'ev, L.M., Ivanov, A.V. - Spectral characteristics of the system W - Ba in polarized light. p 3349.

Belozerskii, G.N , Nemilov, Iu.A. - Change in the intensity of the Mössbauer effect due to plastic deformation. p. 3350

Mirlin, D.N., Reshina, I I - Intensity of the infrared absorption line on impurity oscillations. p. 3352.

FIZIKA V SHKOLE [PHYSICS IN SCHOOLS]. Organ of Ministerstvo prosveshchenila RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 23, no. 3, May-June 1963.

Table of contents translated:

Soviet squadron in space. p. 3.

Appeal of the Central Committee of the CPSU, the Presidium of the Supreme Soviet of the U.S.S.R., and the government of the Soviet Union. p. 4.

Comprehensive education and training. p. 6.

Mitskevich, A.P. - Information and training. p. 9.

Lenin Prizes of 1963 in the field of physics. p. 19.

Nikitin, N.A. - Mikhail Alekandrovich Bonch-Bruevich. p. 22.

Sokolovskii, Iu.I. - Programmed instruction. p. 24.

Using textbooks in the ninth grade in the 1963-1964 school year. p. 29.

Shamash, S.IA. - International Unit System in the physics course for the ninth grade. p. 37.

Pogozhev, P.I. - Heuristic method of setting up demonstration experiments. p. 42.

Kotomina, M.G., Usova, A.V. - Practical work in physics in industrial laboratories. p. 43.

Popov, P.I. - Astronomic observations in schools during the 1963-1964 school year. p. 44.

Schools and planetariums. p. 49.

What a new textbook on physics should be like. p. 54.

Kozheurov, I.V. - Experiments in weightlessness. p. 56.

Zhigalov, K.S. - Apparatus for the determination of free fall acceleration. p. 59.

Figurovskii, O.A. - Demonstrating the motion of a body along a parabola. p. 60.

Bronnikov, N.L. - Two instruments for mechanical oscillations and waves. p. 61.

Gatilov, P.N. - Apparatus for determining the refraction index of a transparent liquid. p. 63.

Kramarov, B.P. - New apparatus. p. 64.

Baikov, F.IA. - Development of keenness of observation and the extent of participation in extracurricular work. p. 66.

Chubenko, P.I. - Student research. p. 71.

Grinbaum, M.I. - Model for illustrating the reflex activity of an organism. p. 73.

Ivashkin, V.S. - Equipment for a physics and electrical engineering laboratory in a rural school. p. 80.

Ponomarev, N.I. - Working with a textbook in a physics class. p. 83.

Svetitskii, A.N. - Independent work of students with tables. p. 84.

Kulina, I.D. - Studying the magnetic properties of bodies. p. 87.

Komskii, D.M., Salov, V.L. - Apparatus for testing the knowledge of students. p. 93.

Lysikhin, S.S. - Examinations in secondary schools. p. 97.

Dmitrieva, Z.S. - Examinations in evening schools. p. 98.

Abarinov, I.IA. - Physics examinations in the tenth grade. p. 98.

Lisenker, G.R., Rotar', A.V. - Editor's mail. p. 100.

Mikhailov, A.V., Gershman, V.M , Braverman, E.M. - Criticism and bibliography. p. 104.

Razumovskii, V.G., Braverman, E.M., Popov, I.V. - Brief news. p. 110.

*GEOMAGNETIZM I AERONOMIIA [GEOMAGNETISM AND AERONOMY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 6, Nov.-Dec. 1963.

Table of contents translated:

Mogilevskii, E.I. Effect of the solar corpuscular stream on the earth's magnetosphere p 1001.

Kovner M.S Chertok I M. Coherent Cherenkov and magnetodeceleration instabilities of solar corpuscular streams. p. 1014.

Gurevich, A.V. - Structure of the disturbed zone in the vicinity of a large charged body in a plasma. p. 1021.

Pitaevskii, L.P. - Magnetic field disturbances around a body moving in a plasma. p. 1036.

IUdovich, L.A. - Time-dependet regularities in the appearance of anomalous ionization in the F2 layer at high latitudes. p. 1048.

Shchepkin, L.A. - Latitudinal variation of the conditions of appearance of the Fl layer. p. 1053.

Serafimov, K., Nestorov, G. - Method for determining the electron density profile in the D region of the ionosphere. p. 1059.

Fatkullin, M.N. - Characteristics of the irregular fluctuations in diurnal magnetic variation. p. 1065.

Mishin, V.M. - Some problems of magnetic activity. Part 2: reply to A. P. Nikol'skii's and A.I. Ol's remarks [1]. p. 1073.

Ivanov, V.I., Kostomarov, D.P. - Calculation of the electric currents induced in the sea by the S_q - variation of the geomagnetic field. p. 1079.

Kalinin, IU.D. - Expression in spherical coordinates of the magnetic dipole potential situated at any point in space and having a magnetic moment of any direction. p. 1089.

Luzov, A.A., Kuklin, G.V. - Directional diagram of an azimuthal telescope. p. 1094.

Kapustin, I.N., and others. - Some ideas about the design and circuit of a neutron monitor. p. 1108.

Mirkotan, S.F., Birlulin, I.A. - Apparatus for recording the scattered component of the field and preliminary results of observations. p. 1115.

Ioshpa, B.A. - Magnetic fields in solar prominences. p. 1125.

Afanas'ev, V.I. - Solar corpuscular streams and families of geomagnetic storms during the flight of "Mariner-2"; preliminary report. p. 1126.

Gintsburg, M.A. - Shock wave ahead of the earth and its effect on the radiation belts. p. 1127.

Shmelovskii, K.Kh. - Latitudinal dependence of the index of fluctuations of radio signals from artificial satellites at a frequency of 20 Mc. p. 1129.

Odintsova, I.N. - Effects observed in the F2 ionospheric layer during solar flares. p. 1131.

Zagullaeva, V.A. - Lunar tidal fluctuations of the minimum effective heights of the F2 layer. p. 1132.

Andrienko, D.A., Chiriaev, A.G. - Parallactic photography of polar lights in the Tiksi Bay region. p. 1135.

Divari, N.B. - Dependence of the twilight sky brightness on the moon's age. p. 1136.

IUdovich, L.A. - Effect of universal and local time on the diurnal variation of magnetic activity. p. 1138.

Nikol'skii, A.P., Nikolaev, IU.V. - Reality of the diurnal periodicity of magnetic activity. p. 1139.

Novysh, V.V., Fonarev, G.A. - Telluric currents in the Arctic Ocean. p. 1141.

Summaries of articles on geomagnetism and aeronomy published in "Izvestiia vysshikh uchebnykh zavedenii. Radiofizika," 1963, no. 3. p. 1143.

Author index. p. 1144.

*LENINGRAD. GLAVNAIA GEOFIZICHESKAIA OBSERVATORIIA Trudy [MAIN GEOPHYSICAL OBSERVATORY. Transactions] No. 140, 1963 Voprosy metodiki vertolctnogo zondirovantia [Methodology of sounding by means of helicopters].

Table of contents translated:

Vorontsov, P A , Selitskaia, V I. - Use of helicopters in sounding the lower atmospheric layers p 3

Selitskaia, V I , Vorontsov, P.A - Methodology of atmospheric sounding by means of helicopters. p 17

Dovgaliuk, IU S , Miukhkiuria, V I , Tiul'kova, G A - Radiometeorograph operated on a helicopter p. 65

Ledokhovich, A A - Electric meteorograph operated on a helicopter p 71

Maslov, S.I., Krokhin, E.P. - Methods for attaching meteorographs on MI-1 and MI-4 helicopters. p 79

Vasil'chenko, I V - Characteristics of atmospheric sounding by helicopters carried on ships. p. 84

Beltashova, M A - Methodology of observations of condensation nuclei from a helicopter p 95.

Gushchin, G.P - Use of a helicopter in measuring the total ozone content. p. 102.

MNOGOKANAL'NYE IZMERITEL'NYE SISTEMY V IADERNOI FIZIKE [MULTICHANNEL MEASURING SYSTEMS IN NUCLEAR PHYSICS]. Moscow, no. 5, 1963.

Table of contents translated:

Kurochkin, S S - Multidimensional analyzers p 3

Kurochkin, S S - Reliability of multichannel control. p 29

Rekhin, E.I , Pankratov, V.M , Krasheninnikov, I.S. - Converter of time intervals to digital code. p. 38.

Krasheninnikov, I.S , Safonov, O.A , Efimchik, R.S. - Input device for a multichannel registration system with parallel address selection. p. 58.

Gorn, L S., Khazanov, B.I - Network of a transistor amplitude-time converter for multichannel analyzers. p 63

Gorn, L S. - Networks of linear transistor keying circuits p 80.

Kurochkin, S.S., and others. - Principle transistorized components of multichannel measuring systems. p 87

Kurochkin, S.S., and others. - Sectionalized alternative for a magnetic operative memory device for 2048 numbers. p 117

Kurochkin, S.S - Microprogram control in measuring systems. p. 128.

Kurochkin, S.S., Belov, A.F. - Programming control device using transistors with PPG units. p. 143.

Rogushin, I.I., Kuznetsov, K.F , Kozyr', A I - Arithmetic device for an AI-50-2 type analyzer with subtraction operation. p 151

Baikov, S D , and others. - Ferrites with rectangular hysteresis loops for electronic-physical apparatus p. 158

Kurochkin, S.S. - Transistorized information output device for operation with punched tape. p. 165.

Krasheninnikov, I S., Eldashev, V.V. - Generator of pulses with stable and linearly varying amplitudes. p. 171.

Kiselev, L.G. - Analysis of low-voltage transistor voltage regulators. p. 173.

Smolin, V.A., and others. - Readout operation in the AI-100-1 analyzer. p. 187.

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT AEROKLIMATOLOGII. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF AEROCLIMATOLOGY. Transactions]. Moscow, no. 20, 1963.

Table of contents translated:

Filippov, V.V. - Variability of the mean air temperature depending on the direction and velocity of the wind in the Barents Sea. p. 3.

Shokhtman, A.N. - Some characteristics of wind conditions in the Caspian Sea. p. 30.

Filippov, V.V. - Climatic regionalization of the Sea of Japan. p. 76.

Bukhanovskii, I.L. - Effect of poor visibility on the standing time at harbor approaches. p. 88.

MOSCOW. TSENTRAL'NYI INSTITUT PROGNOZOV. Trudy [CENTRAL WEATHER INSTITUTE. Transactions]. No. 125, 1963. Ispytaniia metodov kratkosrochnykh prognozov pogody [Testing methods for short-range weather forecasting].

Table of contents translated:

Bel'skaia, N.N. - Forecasting jet streams. p. 3.

Zhil'tsova, V.I. - Results of testing forecasting methods of the geopotential heights of isobaric surface 200 mb. p. 13.

726-081 O - 64 - 6

Meteorology, A N - Preliminary results of testing some forecasting methods of the evolution and transference of surface cyclones and anticyclones suggested by the U.S.A. p.19

Ponomarenko, S.I. - Stratification of the atmosphere in the field of warm fronts p 36

Chelubanov, S.V - Justification of various methods for forecasting air-mass shower precipitations in the summer of 1961 based on observations made in Moscow and Moscow Province. p.45

*OPTIKA I SPEKTROSKOPIIA [OPTICS AND SPECTROSCOPY] Issued by Akademia nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, vol.15, no 5, Nov 1963.

Table of contents translated:

Kozhushner, M A , Smirnov, IU.S. - Interrelation of elastic and inelastic scattering cross sections in nonadiabatic atomic collisions. p.577.

Moskvin, IU.V. - Photoionization of atoms and the recombination of ions in vapors of alkali metals. p 582

Gurevich, D.B., Podmoshenskii, I V - Relation between the electron and gas temperatures in a positive gas discharge column. p.587.

Fishman, I S , Shamanov, I.Sh., Il'in, G.G. - Some experimental relationships of the integral characteristics of radiation in an arc. p.595.

Krindach, N I , Sobolev, N.N., Tumitskii, L.N. - Determination of the electron transition moments of the Schumann-Runge bands of the oxygen molecule. Part 3 p. 601.

Livshits, B.L., Chumaevskii, N.A. - Use of the method of perturbations in analyzing the vibrations of monodeuteromethane and the plane vibrations of ethylene. p. 609.

Morozov, V.P. - Vibrational spectra of deuterium and tritium substituted nonlinear triatomic hydrides p.617.

Sokolovskaia, A L , Simova, P.D - Studying the Raman scattering indicatrix in certain liquids. p. 622.

Kozyrev, B.M., and others. - Electron paramagnetic resonance in substituted diphenylpicrylhydrazyls. p.625

Chibisov, A.K., Kartashin, A.V. - Use of the pulse photolysis method in studying the metastable state of pigments. p. 636.

Teplukov, P.A - Quasi-line phosphorescence spectra of phenanthrene solutions. p.645.

Al'perovich, L.I - Effect of adsorption on the spectra of light reflection from the free surface of concentrated solutions of dyes. p.651.

Zamkov, V.A. - Phenomenological theory of electrooptical phenomena Part 1. p. 654.

Ryskin, A.I., Tolstoi, N.A., Khil'ko, G.I. - Flash-like rise of luminescence. Part 4. p. 659.

Shifrin, K S., Perel'man, A.IA. - Determining the spectrum of particles of a disperse system from its transmittance. Part 2. p.667.

Vlasov, A.G., Krupp, D.M. - Calculation of an aspherical lens having a pair of real aplanatic points p.676.

Aben, Kh. K. - Some problems of superposition of two birefringent plates. p.682.

Vaitashko, E.G. - Polarizing prisms. p.690.

Tolstoi, N.A., Tkachuk, A.M. - Ultra-taumeter with a pulse tube. p. 698.

Bershtein, I.IA., Kaminskii, IU. L. - Graphic method for determining the molar coefficients of extinction. p.705.

Tret'iakov, O.A., Shestopalov, V.P. - Controlling the radiation from a plane-parallel layer by means of gratings. p.709.

Gerlovin, IA.I. - Measurement of the acousto-optical effect during the irradiation of certain gases and vapors by ultraviolet rays. p.713.

Kovtoniuk, N.F. - Frequency dependence of the electroluminescence of ZnS-Cu. p.716.

Bochkova, O.P., Razumovskaia, L.P - Spectroscopic observation of an unstable region in the transition from a "weak" to a "strong" high-frequency discharge. p.716.

Aleksandr Alekseevich Lebedev; on his 70th birthday. p.719.

Conference on Photographic and Spectroscopic Optics. p.720.

*PRIBORY I TEKHNIKA EKSPERIMENTA [INSTRUMENTS AND EXPERIMENTAL TECHNIQUES]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.8, no. 4, July-Aug. 1963.

Table of contents translated:

Baldin, S A., Matveev, V V. - Gaseous scintillation counters. p.5.

Mysnikov, K.P., IAlovoi, I.N. - Extraction of the beam in a proton-synchrotron by excitation of the azimuthal asymmetry of the magnetic field. p.19.

Zinov'ev, L.P., Kotov, V.I., Myznikov, K P. - Measuring the magnetic field index in a weakly focusing proton-synchrotron from observation of the accelerated particle beam. p.22.

Balamatov, N.N., IUr'ev, B A - System for exact regulation and stabilization of the electron energy in a betatron. p.24

Kekk, Kh., and others. - Measuring the energy of heavy ions in the inner beam in a cyclotron. p.27.

Fkirin, V V - Injector with indirectly heated cathode for electronic circular accelerators p 30

Mineev, F I., Kovnik, O F - Pulsed source of multiply charged ions. p 33

Avaev, V N., and others. - Fast neutron spectrometer with a boron hydride scintillator p 39

Matveev, V.V , and others. - Fast neutron spectrometry with the aid of lithium iodide scintillating single crystals p 46

Kalebin, S M , Rukolaine, G V , Sokolovskii, V V - Mechanical neutron chopper with synchronized rotating collimator p 48

Kruglov, S P , Lopatin, I V - Highly sensitive calorimeter for measuring bremsstrahlung fluxes up to 10^{-5} w p 53

Arsten, M.I., Sulimova, N.E. - Scintillation method for X-ray and gamma-ray dosimetry p 59

Vasilamov, V G , and others - Multichannel coincidence and anticoincidence system p 63

Kononov, B N , Churin, IU.A - Pulse shapers on tunnel diodes p 67

IAkushin, V V , Tel'nov, IU.IA. - Low counting-rate meter. p.73

Zhezherun, I.F - Corrections for counting losses in the operation of pulsed sources. p 76

Borisov, V A., and others. - Powerful pulse modulators of high-frequency amplifiers and self-oscillators without pulse shaping long lines p 83.

Dvornikov, E V , Mavrin, E A , Morkovin, N V - Highly stable transistorized quartz oscillator. p 85

Elenskii, M.A. - Voltage amplifier on a cathode follower p.88

Zarkhin, B.I., Pushkina, M A , Slutskii, M E - Electrometric amplifier. p.90.

El'gard, A.M. - Thermometric method for measuring dielectric losses in strong electric fields. p 94

Fedorov, V B - Spectroscope for observing paramagnetic resonance at a temperature below 1°K p 98

Ruban, M.A - Single-band superhigh-frequency modulator used as a heterodyne in a spectrometer for measuring electron paramagnetic resonance p.103.

Baisa, D.F., Riabchenko, S.M - Transducer for a nuclear quadrupole resonance spectrometer in the 130-320 mc range for low-temperature measurements. p 107.

Golovin, O.P. - Stabilized low voltage sources. p.110

Batrakov, B.P., Kobzev, P M - Omegatron for ultrahigh vacuum measurements p.112.

Meslats, G.A., Korshunov, G.S. - Operation of a three-electrode spark gap stable to within 1 ns p.115.

Belov, N S , and others - Electron multiplier tube with magnetic focusing for a high-speed mass spectrometer with separation of ions in flight p.118.

IAkushin, V V , Tel'nov, IU.IA - Selecting the optimum feeding conditions for FEU-33 and FEU-36 photomultipliers. p.120

Sirotinin, E I - Measurement of unlocking time in photomultipliers. p.122

Arsaev, M I , Sulimova, N.E., Shchekin, K I - Susceptibility of photomultipliers to X rays and gamma rays. p.124

Peter, G., Pisarev, A.F., Fal'brukh, K M. - Spark-type gas-discharge electron-optical converter. p 128

Zhil'tsov, V P , Slutskin, E.Kh. - Multichamber spark gap as an element of a strobotron circuit for use in high-speed photography. p.132.

Agroskin, L.S., Korolev, N V - Monochromators for microspectrophotometers p 135.

Grishaev, I A , Il'in, O G , Shenderovich, A.M. - Formation of short magnetic field pulses in a ferrite magnet. p 139.

Svechkarev, I V - Balance with automatic compensation for susceptibility measurement. p.142.

Gordienko, A G , Antonenko, I O. - Nuclear magnetometer with proton transducers in semiconductor devices p.144.

Mazurov, M.E. - Device for measuring variable magnetic fields. p 146.

Itskevich, E S. - High-pressure bomb for low temperature research. p 148.

Semerchan, A.A., Shishkov, N.Z., Isaikov, V.K. - Large-scale apparatus for high-pressure research. p.152.

Lashkarev, G.V. - Quick method for measuring the thermoelectric characteristics of semiconductors. p 155

Loziuskii, M G., and others. - Sharp-focused high power X-ray tube for structural analysis. p.158.

Teumin, M I , Nikolaenko, G M., Ioffe, IU.K. - Sharp-focused X-ray tube with end outlet and direct anode contact of the object analyzed. p.160.

Petrov, IU I. - High-temperature X-ray camera for analyzing powders. p 162.

Lobov, S.I., TSukerman, V.A. - Measuring the thickness of foils and films by means of soft X rays. p 164.

Dermenoznick, E.G., Del'chev, M.K. - Uranium targets prepared by the electrocapillary method. p.170

Sof'ina, V V - Activation of the process of hydrogen absorption by palladium p 174.

Pichugin, I G , Tairov, IU M , IAs'kov, D A - Production of silicon carbide crystals. p 176

Babaev, A.I , Kaftanov, V.S - Recording of two particles in a spark chamber p.181

Kokoulin, V G. - Manufacture of filamentary scintillators p 183

Finogenov, K G - Generator of high-amplitude square voltage pulses. p 184

Gasanov, A.M. - High-stability amplifier with distributed constants. p.186

Gutkin, A A , and others - Low-inertia light source from gallium arsenide p 187.

Steshenko, V V , Pivovarov, A.V., Rubanov, I A - Single-crystal focusing short-wave X-ray quantimeter. p.189.

Zel'dovich, A.G , Pilipenko, IU.K. - Improvement and acceleration of a VOI hydrogen liquefier p.191

Preobrazhenskii, A IA., Stepanov, V A. - Chemical saw and drill p 192

M-1 magnetograph for measuring the level of radio noises p 194

Device for measuring weak luminous fluxes. p 194

Mamyrin, B A - Opinion on the ChE-1 and ChZ-4 electron-counting frequency meters p.196

Korotkov, V.P. - Introduction of the International System of Units in the U.S.S.R. p.197.

Vol 8, no 5, Sep.-Oct. 1963

Table of contents translated:

TSitovich, A.P - Multichannel analyzers with memory systems recording the information on a magnetic surface, review. p.5

Pasiuk, A S , and others - Production of multiply charged neon ions in a pulse source for a cyclotron p.23.

Moskalev, V.A , Otrubiannikov, IU.A. - Generation of short radiation pulses in a betatron with a wide gap p 26

Afanas'ev, N G., Vysotskaia, A.V., Gol'dshtein, V.A - Design of a magnetic spectrometer with circular outline p.29.

Afanas'ev, N.G., Vysotskaia, A.V., Gol'dshtein, V.A - Aberration of a magnetic spectrometer with circular outline p.34.

Urbanets, IA., Kalfosh, I - Two-crystal scintillation gamma spectrometer, one crystal being organic p.40

Silant'ev, A N. - Calibration of a scintillation gamma spectrometer for absolute measurements. p.44

Mikhailov, V.F. - Operation of time-delay electronic collimators in case the specimen is coated with a thin inactive film. p 49.

Kotel'nikov, K.A , Ogurtsov, O.F. - Control system for an apparatus recording nuclear interactions at an energy of 100 Bev. p.51.

Karzhavin, IU.A., and others. - Device for automatic measurement of the coordinates of charged particle tracks recorded on bubble chamber photographs p 54

Savel'ev, V IA , Beskorskii, A.I., Chernyshov, V I Amplitude distribution of pulses in slow neutron counters. p.61.

Ivanov, V P., Minin, K.F., Kozin, A M. - Wide-range roentgenometer. p.65.

Pivovar, L I , Nikolaichuk, L.I , Vlasenko, A I - Detection of heavy ions by scintillation counters p.70.

Perelygin, V.P., Tret'iakova, S.P. - Radiography of spontaneous nuclear fission. p.73.

Mikhailov, V F. - Apparatus for determining small quantities of radioelements by the method of alpha-gamma coincidence selection p.75.

Zubareva, I.F., Liu Chzhun-ven' [Liu Chung-wên] - Scintillators for beta-ray counting made on the basis of polystyrene. p.78.

TSitovich, A P , Zaitsev, IU.I - Static memory system for an amplitude analyzer recording the information on a magnetic surface. p.82.

Birulev, M.S , and others. - Printing time-amplitude pulse analyzer without storage of information p.90.

Chukreev, F.E. - Digit-printing device for an AI-100 analyzer. p.97.

Kononov, B.N., Sidorov, A S., Leonov, V.F. - Current discriminators on tunnel diodes. p.103

Agafontsev, A.A. - A transistorized scaler. p 106

Afanas'eva, E.A., Konorova, E.A. - Preamplifier combined with a low-capacitance crystal counter p.110.

Fleisher, V.G. - Reducing the background of random coincidences by means of consecutive pulse selection. p.112.

Glushkovskii, M.E. - Stroboscopic oscillograph with recording on an EPP-09M1 potentiometer. p.114.

Golubkov, A.G. - Method for more accurate time interval reading from the oscillograph screen. p.118.

Izokh, V.V., Bagrintsev, V.P. - Pulse shaper using tunnel diodes. p.120.

Andreev, S.I., Lebed', B.M., Sokolov, B.M. - Generation of nanosecond pulses of superhigh-frequency oscillations. p.123.

Tamboriev, D.A., Novoselov, A.S. - Bipolar pulse generators for studying ferroelectrics p 125.
Gerasimov, A.I., Sklizkov, G.V. - High-precision shock oscillator. *p 129*

Braginskii, V.B., Minakova, I.I., Stepanin, P.M. - Low power absolute measurements in the microwave band. *p 130*
Shamsarov, IA.L. - Apparatus for studying electron spin-lattice relaxation at low temperatures at a frequency of 9Gc. *p.134.*
Rezikian, A.M., Mnatsakanian, K.G., Israelian, M.Kh. - Gas-discharge stabilizer of direct-current voltages. p.139.
Kalmykov, A.A., and others. - Method for measuring the energy and mass spectrum of the ion component of a moving plasma. p.142.
Frolov, I.A. - Construction of an optical system for clear channel operation. p 146.
Maslennikov, I.A., Nekrasov, A.N., Pustovoit, IU.M. - Generation and maintenance of pressures below $1 \cdot 10^{-8}$ tor in large metal vessels p.148.
Nazarov, A.S., Ivanovskii, G.F., Men'shikov, M.I. - Getter-ion pump with straight-channel titanium and chromium vaporizers. p.157
Aleksandrovich, E.V., Sokovishin, V.A., Sazanov, A.I. - Hand-operated universal catharometric leak detector. p.162
Kucherenko, E.T., Popovich, A.S. - Apparatus for controlled pulse admission of gas. p.165
Vil'grube, G.S., and others. - Methods of study and stability of louver-type photomultipliers. p.167.
Perlsev, A.N., Pisarevskii, A.N., Soshin, L.D. - Study of single-electron noises in photomultipliers. p 173
Mikla, A.M. - Apparatus for measuring the parameters of an electron beam. p.177
Verlaner, V.N., Chentsov, IU.V. - Mirror-type scanning electron microscope. p.180.

Kremenchugskii, L.S., Mal'nov, A.F. - Apparatus for studying the dynamic characteristics of receivers of heat radiation. p.182
Epshtein, M.I., Sviatova, L.E. - Measuring the absolute yield of luminophors. p 186
Polikov, V.P. - Universal pendulum magnetometer p.190.
Khromov, A.V., Potapova, I.V. - Induction gaussmeter with piezoelectric actuator. p.194.
Barkov, L.M., Suetin, V.A. - Electron-optical system with diffraction gratings for measuring linear motions. p.196.
Ryzhov, V.A. - Standard membrane-type capacity manometer. p 198.
Shakhovskoi, G.P., and others. - Apparatus for viscosity measurements under pressure. p.203.

Kachinskii, V.N. - Highly sensitive d-c amplifier with a superconducting modulator. p 207.
Plakein, I.N., Beliakov, M.A., Starchik, L.P. - Measuring the thickness of foils and films with the aid of the $(\alpha, n\gamma)$ nuclear reaction. p.210.
Bochin, V.P., Repin, S.A. - Technology of isotopically enriched chromium and iron foils for nuclear research. p.212.
Liiva, A.A., Ilves, E.O. - Metal vessels for liquid scintillation counters p.215.
Vorob'ev, G.A., Golynskii, A.I., Korshunov, G.S. - Oscillographic recording of the front of a high-voltage nanosecond pulse. *p.216.*
Gorbatov, I.A. - Optical characteristics of mercury lamps used in the study of scattered light. p.217.

Grishanov, IU.I., Karmilov, A.G., Lednov, I.A. - Electronic angle marker for the URS-50I X-ray apparatus. p.219.
Danilychev, V.A., and others. - Magnetic resistance used in field measurements at helium temperatures p.221.
Klimenko, A.G. - Four-probe microhead for measuring the specific resistance of single-crystal films. p.222.
Chigvinadze, D.G., Shukhman, V.A. - Use of printed circuits in preparing memory elements from thin metallic films. p.223
Ovsiuk, Z.Sh. - Semitransparent contacts from indium. p.224.
Samoilov, V.P., Kulygina, M.N. - Use of an epoxy compound for vacuum-tight cementation of Teflon and a metal. p.225.
Microwave spectrometer for determining the water vapor content in ethylene and other noncorrosive gaseous media. p.226.
Electronic Tesla magnetometer. p.227.
Infrared hygrometer IKG-1 for humidity measurements.

REFERATIVNYI ZHURNAL: FIZIKA [JOURNAL OF ABSTRACTS: PHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.12, Dec. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, fizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Physics]. Moscow, no.3, 1963.

Table of contents translated

Remizova, A.A. - Effect of premelting kinetics on the anomaly of thermal properties. p.3.
Degtiarev, I.F., Laptei, D.A. - Dynamics of the domain structure during magnetization p.7.
Mishin, D.D., Gogin, V.P. - Effect of the initial state on the result of thermomagnetic treatment of a permalloy p.12.
Kutsepatenko, V.V., Melik-Gaikazian, I.IA. - Effect of radiation on some properties of solid solutions of the system KCl - KBr. p.15.
Kozyrev, B.P., Mezenov, A.V. - Transparency of gases in the infrared region of the spectrum at small distances. p.18.

Izergin, A.P., Solivanova, V.A., Chernigovskaia, V.N. - Growing of single crystals and single-crystal blocks of gallium arsenide by the zone melting method p.23.
Kuznetsov, V.I., Fedorov, D.P., Shchevelev, M.I. - Leakage and instability of germanium junction transistors. p.27.
Izbranov, P.D. - Recrystallization texture of transformer steel in the transition region. p 32.
IUrkov, V.A., Okolykhina, L.B. - Thermionic converter of thermal energy. p.34.
Savitskii, K.V., Matyshev, IU.F. - Effect of solid dispersive inclusions, chemically unrelated to the matrix, on the durability of powdered metals. p 37.
Miroshin, N.V. - Dependance of the magnetization of a rail on the velocity of the moving field of a horseshoe electromagnet p.41.

Matyshev, V.A., Zavadovskaia, E.P. - Dependence of the recombination cross section of carriers in CdS on the electric field. p.48.
Gaikin, S.L. - Movement of particles in a centrally symmetrical static field in the general theory of relativity. p.54.
Buravikhin, V.A. - Some properties of the domains of thin ferromagnetic plates. p.63.
Parfianovich, I.A., Krongauz, V.G., Shuraleva, E.I. - Effects of the increase in brightness of optical flashes in pure NaCl crystals. p 66.
Potakhova, G.I. - Dielectric loss in quartz exposed to X rays. p.71.
Sukharina, N.N., Potozhii, I.S. - Softening of the white coating when heated in a vacuum. p 76.

Bublei, R.E., Kalabukhov, N.P., Sikorskii, IU.A. - Dielectric constant of alkali metal halide crystals with F and V-centers. p.80.
Fofonova, R.M. - Experimental determination of the binding energy of complexes in compounds with conjugate bonds. p.84.
Filimonov, V.A. - Beta-decay of Λ-hyperons and the spins of light hyper-nuclei. *p.89.*
Sokolov, O.V. - Effect of an inhomogeneity in a magnetic field on the capture of electrons for acceleration in a betatron. p.96.
Kondrat'ev, P.A., Bol'shanina, M.A. - Deformations at grain boundaries in lead. p.103.
Kobtsev, IU.D. - Manufacture of high-temperature thermistors. p.105.
Kobtsev, IU.D. - Manufacture of nonlinear resistors with an oxide surface coating. p.108

Fedorov, V.L., Chzhou Bin-kun' [Chou Ping-k'un]. - Determination of negative temperatures from fluorescence oscillograms. p.110.
Nuvar'eva, V.V., Ramazanov, P.E. - Temperature dependence of the electroluminescence of zinc sulfide phosphors. p.113.
Nuvar'eva, V.V., Ramazanov, P.E. - Relation between electroluminescence and thermoluminescence. p.116.
Lomsadze, IU.M. - Making use of the possible analyticity of matrix elements with respect to the field coupling constant. p.119.
Berzina, I.G., Sokolov, L.S. - Measuring the temperature of specimens irradiated by a proton beam in air. p.123.
IAkovlev, B.M., IAtis, A.A. - Use of a slide rule in determining the energy of neutrons from the paths of recoil protons in a nuclear photoemulsion. p.127.

Kramarenko, P.F. - New method for producing Lichtenberg figures on dielectric surfaces. p.131.
Metsik, M.S. - Selecting the shape and dimensions of specimens in thermal conductivity measurements using the method of a regular heating process for biaxially anisotropic bodies. p.136.
Veinik, A.I. - Theory of thermoelectricity. p.139.
Kakushadze, T.I. - Temperature redistribution of electrons in the outer conduction band of elements. p.142.

Osipenko, A.N. - Influence of the isotopic effect on the nuclear quadrupole resonance line width in solid CCl_4. p.150.
Ivanenko, D.D., Kurdgelaidze, D.F. - Classification of elementary particles. Part 1. p 153.
Vodop'ianov, K.A., Korobov, A.I. - Production of dielectric films on the basis of titanium-containing substances p 166
Mushinskii, V.P., Gramatskii, V.I., Manushevich, G.N. - Optical and photoelectric properties of thin Ga_2Te_3 films. p.172
Muratov, I.M., Kul'kin, K.M. - Voltage build up in a p-n junction. p 179.
Rabotkina, L.R., Litvinova, P.S. - Effect of ultraviolet radiation on the temperature dependence of the electroluminescence of the ZnS-Cu, Al phosphor p.182.
Ageshin, F.S. - Device for studying the polarization of light. p 187.
Perkal'skis, B.Sh., Larin, V.L. - Zone plate adapted for phase shifts for physical demonstrations. p.188

Lomsadze, IU.M., Krivskii, I.IU., Khimich, I.V. - Fourth All-Union Conference on the Theory of Elementary Particles. p.190.
Vorob'ev, G.A. - Intercollegiate Conference on the breakdown of dielectrics and semiconductors. p.191.

No.5, 1963

Table of contents translated

Popov, IU.A. - Theory of bosons with zero rest mass p 3.
Kopvillem, U.Kh., Shubina, R.V. - Double excitation of free induction and spin echo in crystals in the absence of a static magnetic field p.6.
Kas'ian, V.A., Kot, M.V. - Some optical and electric properties of thin films of indium antimonide p 14.
L'vov, S.N., Nemchenko, V.F., Samsonov, G.V. - Physical properties of chromium borides, carbides, nitrides, and silicides. p 21.
Ainbinder, N.E., Grechishkin, V.S. - Nuclear resonance energy levels in single crystals in the presence of magnetic and quadrupole interactions. p.27.
Grechishkin, V.S., Sölfer, G.B., Svetlov, IU.G. - Use of the nuclear quadrupole resonance method in studying phase transitions in certain crystals p.32.
Masharov, S.I. - Frequency spectrum of acoustic vibrations of crystals with vacancies p 39
Kadmenskii, S.G., Rapoport, L.P. - Description of the superfluidity of an atomic nucleus by the method of variational S-matrix derivatives p 43
Sidliarenko, V.I., Zaitov, F.N., Lukantsever, IU.L. - Thermal stability of F-centers in KCl - Tl, *Sr and KCl - Tl, Ca crystal phosphors p.50*
Liul'ka, V.A. - Remarks on hyperon production in nucleon-nucleon collisions p.55
Kuz'menko, G.I., Semenov, V.V. - Demonstrations and laboratory studies in nuclear physics. p.58.
Korolev, F.A., Kromskii, G.I., Skokov, I.V. - Use of the phase method of multiwave interferometry for measuring low gas densities. p 61.
Morozova, IU.P., Dantlova, V.I. - Role of the benzene ring and functional groups in the origin of the absorption bands in some nitro and amino compounds. p.64.
Rastorgueva, A.V. - Use of ring-shaped electrodes in the study of ponderomotive forces. p.68
Gorbenko, P.K. - Radiative and nonradiative electron transitions in F-centers. p.73.
Abramenkov, A.D., Rybalko, V.F., Fogel', IA.M. - Ionization of a supersonic jet of mercury vapor by a beam of hydrogen ions. p 76.
Arbuzov, M.P., Chuprina, V.G. - Study of aging alloys of the system Ni_3Al - Ni_3Nb. p.82.
Zlenko, V.IA. - "Quanta" of contact melting p.86.
Zubkova, L.B. - Analysis and interpretation of o-nitrophenyl absorption bands. p.93.
Pipinis, P.A. - Simultaneous study of the electron emission and fluorescence of alkali halide crystals. p.95.
Chaldyshev, V.A., Karavaev, G.F. - Valence band structure of chalcopyrite type compounds. p.103.
Verlan, E.M., Strizhevskii, V.L. - Triple Fermi resonance in carbon tetrachloride molecules p.113
Kanunnikov, V.N. - Design methods for magnetic systems of constant-field circular accelerators. p.118.

Dzhibuti, R.I. - Role of structural groups of nucleons in photonuclear reactions involving light nuclei. p.124.
Ternov, I.M., Bagrov, V.G., Rzaev, R.A. - Polarization properties of fast electron emission with oriented spin in a magnetic field. p 127.
Gubar', IU.I. - "Linearizing" a nonlinear spinor field equation by way of "fusion" of fermions into bosons. p.140.

Rubtsov, V M - Density function of oscillation frequencies and the heat capacity of the graphite lattice p 147
Kolesnikov, V N , Krylova, A P , Kandybarov, V K - Beta-stability of heavy elements p 151
Bokova, N.A., Semenova, O.P., Petrova, M.V. - Effect of the atmosphere on radiation from an arc discharge Part 3 p 156
Aleksandrov, L N - Effect of the density of dislocations on the brightness of luminescent crystals p 166
Zuev, A M - Effect of abrasion particles on the isothermal coefficient of dry friction of metals in the air p 171
Zingerman, A S - Formation of crystalline graphite in an electric arc burning in mineral oil p 173
Lavrent'eva, L G , Vrakin, A P , Presnov, V A - Tunnel effect in films of degenerate gallium arsenide p 174
Benakovskii, M A - Stability of distortions connected with energy absorption p 176
Plekhanov, G F , and others - Polarization effect caused by the fall of the Tunguska meteorite p 177
Sokolov, S N , Nikhamina, G IA - Laboratory setup for determining the heat capacity of a gas at constant pressure (C_p) using the constant flow method p 179
Kessenikh, V N , Kovalevskii, A F - Ionization of the night ionosphere p 181.
Smirnov, V P - Excitation of surface waves p 182
Vladimir Nikolaevich Kessenikh, on his 60th birthday p 185

* RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, radiofizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Physics]. Moscow, vol 6, no. 4, 1963

Table of contents translated:

Fedoseev, L I - Radio emission from the moon and sun at a wavelength of 1 3 mm p. 655.
Matveenko, L I - Results of the observation of radio spots on the sun at the wavelength $\lambda = 5$ m p 660
Stankevich, K S , Bondar', L N - Fluctuations in atmospheric radio emission p 669
Zhevakin, S A , Naumov, A P - Coefficient of the absorption of electromagnetic waves by water vapor in the 10μ ÷ 2cm band p 674.
Lugovoi, V N - Electrodynamic properties of nonstationary plasma. p 695
Silin, V P. - Collision integral for a plasma. p 702.
Eidman, V IA. - Electromagnetic waves in an inhomogeneous medium permeated by a plasma stream. p 709
Lovetskii, E E , Rukhadze, A.A - Low-frequency oscillations of a cold magnetoactive plasma in a gravitational field. p 715
Gorodinskii, G V , Tamoikin, V V - Resonance radiation from a charge moving near a plasma clot p 721
Grechishkin, V S , Ainbinder, N E - Quadrupole energy levels for certain spins. p. 729
Beluga, I Sh - Two-dimensional periodic multiwire line containing N cylindrical conductors in the cell p 738
Ostrovskii, L A - Modulation of signals in transmission lines with periodically varying parameters p 752
Dudaik, R.A - Theory of tubes with transverse interaction. p 764
Bertulis, V A - Synchrotron oscillations of accelerated particles allowing for feedback according to the position of the beam p. 775
Brusin, V A., Neimark, IU.I., Feigin, M I - Some cases of the dependence of periodic movements of a relay system on the parameters. p. 785.
Aronovich, G.V - Stability of a certain nonlinear dynamic system. p. 801.
Eingorin, M.IA - Synthesis of discrete controlling devices on the basis of systems of equations of algebra of logic with delayed arguments. p. 810.
Ashbel', N.I., Emel'ianova, I.S., Postnikov, L.V - Use of single-terminal pairs containing a tunnel diode and a transistor in computer units. p 833.
Postnikov, L V , Llapukhov, V E. - Design of a transistorized voltage stabilizer p 840.
Naumov, A.I. - Radio emission of the moon and the sun at a wavelength of 1.8 mm. p. 848.
Larionstsev, E.G , Shafranov, V.D - Deceleration by radiation damping of a charge moving in a plasma situated in a magnetic field p. 850
Eidman, V.IA. - Damping of electromagnetic waves in a plasma placed in an inhomogeneous dielectric p 852.
Zdornova, E.A., Malakhov, A.N. - Measuring the amplitude fluctuations of an oscillator operating on semiconductor triodes p. 854
Golubentsev, A.F. - Applicability of the method of Quate's series to direct and backward-wave magnetron amplifiers p. 857.
Eingorin, M.IA - Closed trajectories in recirculating memory systems without information shift. p. 858.
Kaplan, S A , and others - Fourth All-Union Conference on Radio Astronomy p 861
Summaries of articles in "Geomagnetizm i aeronomiia" No 2, 1963 p 869

Vol. 6, no. 5, 1963.

Table of contents translated:

Ginzburg, V.L., Pisareva, V.V. - Polarization of the radio emission from discrete sources, and the exploration of the metagalactic and galactic spaces and spaces near the sun. p. 877.
Krotikov, V.D. - Theory of lunar integral radio emission. p. 889.
Bazelian, L.L., and others. - Radio emission spectra of the discrete sources Cassiopeia-A, Cygnus-A, Taurus-A, and Virgo-A at frequencies of 12.5 to 40 Mc. p. 897.
Khachatrian, B.V. - Radiation from an oscillator moving in an inhomogeneous medium. p. 904.
Peletminskii, S.V. - Passage through matter of particles with dipole moments. p. 910.
TSytovich, V.N. - Effect of radiation on relativistic particles moving in a magnetic field. p. 918.
Rukhadze, A.A. - Cyclotron oscillations of a low-pressure inhomogeneous plasma. p. 928.
Filippov, IU.F. - Interaction of magnetoacoustic waves. p. 932.
Makhan'kov, V.G. - Instabilities in the system plasma - radially bounded particle beam. p. 941.
Omelaenko, A.S., Blokh, P.V. - Parametric instability of an electron beam in an inhomogeneous anisotropic dielectric. p. 946.
Ryzhov, IU.A. - Effect of an antenna's directional diagram on the intensity of the radiation received when radio waves are scattered by tropospheric inhomogeneities. p. 952.
Iogansen, L.V. - Resonance diffraction of elastic waves in plane-layered media with total internal reflection. p. 958.
Golovanivskii, K.S., Kuzovnikov, A.A. - Lower frequency limit of the high-frequency quasi-potential in a helium or krypton plasma. p. 964.
Bogatyrev, IU.K., Ostrovskii, L.A. - Propagation of electromagnetic waves in nonlinear transmission lines with lumped parameters. Part 1: Nonsteady-state processes. p. 973.
Bogatyrev, IU.K., Ostrovskii, L.A. - Propagation of electromagnetic waves in nonlinear transmission lines with lumped parameters. Part 2: Structure of the shock wave front. p. 985.
Ivanov, E.A. - Sphere of arbitrary conductivity with a nonconcentric spherical inclusion in the field of a vertical electric dipole. p. 992.
Shtrapenin, L.B. - Propagation of spiral H_{mn}-waves in a helical wave guide in the absence of radiation. p. 1003.
Akhmanov, S.A., Roshal', A.S. - Theory of transients in a parametrically excited circuit. p. 1008.
Neimark, IU.I. - Averaging method from the standpoint of the method of point mappings. p. 1021.
Glebskii, IU.V. - Optimization of production planning. p. 1033.
Razin, V.A., Fedorov, V.T. - Radiation intensities of the moon, sun, and a number of discrete sources at a frequency of 927 Mc. p. 1052.
Vetukhnovskaia, IU.N., and others. - Measuring the radio emission spectrum of the night side of Venus in the microwave band. p. 1054.
Krasovitskii, V.B., Stepanov, K.N. - Excitation of electromagnetic waves in a plasma by an ion beam. p. 1056.
Andronova, I.A. - Continuous spectra of currents in ferroelectric substances near the first frequency harmonic of polarization reversal and the threshold signal of a dielectric amplifier. p. 1060.
Malakhov, A.N., Serebriannikov, V.S. - Measuring the technical width of a spectral line in a klystron oscillator. p. 1062.
Belov, V.E. - Static theory of a cylindrical magnetron with internal cathode. p. 1065.
Turik, A.V. - Oscillations in a circuit with an asymmetrical characteristic, allowing for the lower bend of the nonlinear characteristic and hysteresis. p. 1068.
Beluga, I.Sh. - Wave conductivity of a shielded multiwire line with rectangular conductors. p. 1070.
Eingorin, M.IA. - Two geometrical interpretations of systems of equations in algebra of logic and the states of their physical analogs. p. 1071.
Letters to the editor. p. 1075.
Summaries of articles in "Geomagnetizm i aeronomiia" no. 3, 1963. p. 1076.

* TSENTRAL'NAIA AEROLOGICHESKAIA OBSERVATORIIA. Trudy [CENTRAL AEROLOGICAL OBSERVATORY. Transactions]. Leningrad, no. 47, 1963. Fizika oblakov [Physics of clouds].

Table of contents translated:

Khrgian, A.Kh. - Recent research on the physics of flaky figurative cumulus. p. 3.
Mazin, I.P. - "Age" of particles in stratus. p. 24.
Smirnov, V.I. - Generalized Boltzmann kinetic equation and some equations pertaining to the kinetics of polydisperse systems. p. 33.
Reshchikova, A.A., Silaeva, V.I., Shmeter, S.M. - Growth of cumulonimbus and the characteristics of the overlying temperature field in the upper troposphere and in the tropopause zone. p. 55.
Minervin, V.E., Shuplatskii, A.B. - Use of radar in determining the phase state of clouds and precipitation. p. 63.
Diubiuk, A.F., Bibikova, T.N., Trubnikov, B.N. - Conditions for the formation of alto-cumulus lenticularis in the Crimean region. p. 85.
Demidova, E.I., Nevzorova, L.V. - Vertical distribution of water in stratus and its relation to the temperature at the cloud base. p. 96.
Nepovitova, A.F. - Some data on the appearance of vapor trails behind airplanes. p. 101.

* USPEKHI FIZICHESKIKH NAUK [PROGRESS IN THE PHYSICAL SCIENCES]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.] Moscow, vol. 81, no. 1, Sep. 1963.

Table of contents translated:

Kobzarev, I.IU., Pontecorvo, B. - Parity nonconservation and macroscopic rotation. p. 3.
Alikhanian, A.I., Kheifets, S.A., Eshu, S.K. - Electron and positron storing devices. p. 7.
TSvetkov, V.N. - Birefringence in a stream, and macromolecular structure. p. 51.
Bennett, Jr., W.R. - Gaseous optical masers. p. 119.
Hofstadter, R. - Structure of nuclei and nucleons. p. 185.
Aristov, A.V., and others. - Boris Akovlevich Sveshnikov, obituary. p. 210
Vreden-Kobetskaia, T.O. - New books on physics. p. 211.

Vol. 81, no. 2, Oct. 1963.

Table of contents translated.

Podgoretskii, M.I., Khrustalev, O.A. - Interference phenomena in quantum transitions. p. 217.
Kurt, V.G. - Neutral hydrogen in the vicinity of the earth and in interplanetary space. p. 249.
Borisoglebskii, L.A. - Monopolar transitions of atomic nuclei. p. 271.
Bacon, G.E. - Neutron diffraction [translated from the English]. p. 335.
El'iashevich, M.A., Fedorov, F.I. - Boris Ivanovich Stepanov, on his 50th birthday. p. 401.
Vonsovskii, S.V., Izumov, IU.A. - "Methods of Green's functions in statistical mechanics" by V.L. Bonch-Bruevich, S.V. Tiablikov. p. 403.

Vol. 81, no. 3, Nov. 1963.

Table of contents translated:

Kagan, IU.M., Perel', V.I. - Use of probing methods in plasma research. p. 409.
Vovenko, A.S., and others. - Cherenkov gas counters. p. 453.
Heavens, O.S. - Optical masers [translated from the English]. p. 507.
Coulson, C.A. - Interatomic forces: Maxwell to Schroedinger [translated from the English]. p. 545.
Tolpygo, K.B., Lovinson, I.B. - Fifth All-Union Conference on Semiconductors. p. 557.
Rozenberg, G. - Fifth International Conference on Atmospheric Optics and Actinometry. p. 566.

14. MEDICINE

a. GENERAL

AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow. Institut onkologii. Trudy [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R. Institute of Oncology. Transactions] Leningrad, no. 3, 1960. Problemy onkologii [Problems of oncology].

Table of contents translated:

Rakov, A.I - Principle of anatomical zonality and the margin of resection in the removal of malignant tumors. p 5
Kholdin, S.A. - Extensive axillary-sternal mastectomy in cancer of the breast. p. 14.
Shanin, A.P. - Orbital melanomas. p. 25.
Litvinova, E.V. - Rearrangement of the vascular architectonics of the large intestine in different anatomical types of cancerous tumors. p. 32
Chekharina, E.A. - Clinicomorphological characteristics of fibrosarcomas in the soft tissues of the extremities and the trunk. p. 43.
TSel', E.A. - Clinicomorphological evaluation of the degree of radical extirpation of the stomach in cancer. p. 61.
Vagner, R.I. - Results of the use of Crile's operation p. 68.
Mel'nikov, R.A. - Clinical characteristics of the growth and spreading of malignant tumors of the maxilla. p. 80.
Shomiakina, T.V., Chekharina, E.A., Bonner, R.L - Clinical characteristics of the functional state of the mucous membrane of the stomach in cancer. p. 103.
Chermenskii, IU.V. - Materials on clinical X-ray diagnosis of cancer in the bronchus of the middle lobe. p. 112.

Chernomordikova, M. F - Importance of a tomographic study in the diagnosis of tumors of the bones p. 127.
Perumova, N. D - Importance of the difference between the gamma-spectra of radium and radioactive cobalt (Co^{60}) in clinical practice p. 148.
Zin, M. A , Pavlov, K. A. - Use of some chemotherapeutic preparations in treating malignant tumors and systemic diseases. p 158.
Vol'fson, N. I. - Experimental tumors of the cervix uteri and the vagina of mice. p. 171.
Sia Chzhun-fu [Hsia Chung-fu] - Cytological characteristics of the vaginal contents during the process of malignation in the cervix uteri and the vagina of mice. p 181
Erofkina, N. A., Kolomiarov, G. I. - Further observations of the influence of mechanical factors on the development of precancer states of the stomach in rats. p 190.
Zhemkova, Z. P , Perumova, N. D. - Assimilation of different isotopes by the organs of animals in relation to their species, age and individual properties according to data of contact radiography p 201
Chaklin, A. V. - Regional characteristics of the distribution of esophageal cancer p. 217
Shanin, A. P., Uglova, V. M - Report on the therapeutic work of the Institute on Oncology of the Academy of Medical Sciences of the U. S. S. R. for 1958 p 243
Kaufman, B. D - Bibliography of the works of staff members of the Institute of Oncology of the Academy of Medical Sciences of the U. S. S. R for 1958. p 266.
(DNLM)

KAZANSKII MEDITSINSKII ZHURNAL [KAZAN MEDICAL JOURNAL] Organ of Ministerstvo zdravookhraneniia Tatarskoi ASSR and Sovet nauchnykh meditsinskikh obshchestv [Ministry of Health of the Tatar A. S. S R. and the Council of Medical Societies]. Kazan, no. 5, Sep.-Oct. 1963.
Table of contents translated.
Chuchelin, G. A. - Concepts of public health in the program of Lenin's Party. p. 3
Grinberg, IA. M., and others. - Some problems concerning the etiology and clinical aspects of chronic hepatitis. p. 8.
Gubergrits, A. IA. - Changes in liver and biliary function in chronic colitis. p. 10.
Shamarin, P. I , Uvarova, K. G. - Diagnostic errors in diseases of the biliary tract. p. 11.
Margolin, A. M., Medvedkova, A. A , Ovsiannikova, N. P. - Significance of Candida in the antibiotic treatment of chronic inflammation of the biliary tract. p. 15.
Furman, IU. O. - Surgical treatment of acute cholecystitis. p. 17.
Vinogradov, V. V., Grishkevich, E. V. - Diagnostic significance of operative cholangiography and roentgenomanometric study of the biliary tract. p. 19.
Knubovets, S. IA. - Roentgenomanometric studies in biliary tract surgery. p. 22.
Miftakhov, N. A. - Variant formations of the common hepatic duct and their significance in operations on the biliary tract. p. 27.
Dunaevskii, O. A. - Characteristics of the course of acute epidemic hepatitis in elderly persons. p. 31.
Komova, Z. A., Frolova, L. K. - Detection of antigens in the blood serum in Botkin's disease p. 32.
Enaleeva, D. Sh. - Oxidation-reduction processes and respiratory function of the body in epidemic hepatitis. p. 34.
Rudnev, G. P., and others. - Evaluation of some biochemical indices in epidemic hepatitis. p. 37.
Davletkil'deeva, A. Z. - Determination of 17-ketosteroids in the urine and the Thorn test in the treatment of liver diseases using hormonal preparations. p. 40.
Myshkina, O. K. - Functional state of the adrenal cortex in Botkin's disease. p. 42.
Plotnikov, V. I. - Anti-inflammatory action of corticosteroids in Botkin's disease. p. 43.
Predtechenskii, N. V. - Use of prednisolone in the compound therapy of epidemic hepatitis. p. 45.
Gol'dshtein, M. I., Norkina, U. Z. - Results of the treatment of thyrotoxicosis with I-131 using an abbreviated fractional method. p. 46.
Gazymov, M. M. - Surgical treatment of goiter. p. 48.
Popov, A. F. - Unresolved problems in chronic appendicitis. p. 49.
Alcева, I. M. - X-ray diagnosis of adamantinoma of the lower jaw. p. 51.
Dubivko, S. A. - Clinical aspects and treatment of deformities of the dental arch in children. p. 53.
Melamed, E. L. - Paravulvar diathermic denervation as a method of treatment of vulvar kraurosis and leukoplakia. p. 56.
Slepov, M. I. - Prevention of perforation of the uterus during its curettage. p. 58.
Martynshin, M. IA. - Auscultation of the fetal heart beat as a method of determining the location of the placenta. p. 60.
Davydov, V. I., Voronin, V. S. - Stillbirth and early mortality of infants by coiling of the umbilical cord. p. 62.
Milonova, T. A. - Diagnosis of escape of the amniotic fluid. p. 63.
Shneider, M. S - Massive hydrothorax as a complication of liver diseases p. 66.
Vetluguna, K. F., Usmanova, A. V., Kol'iakova, T. A - Liver abscesses of amebic etiology. p. 68.
Ovchinnikov, A. V - Hepatobronchial fistulas as a complication of hepatic echinococcosis. p. 70.
Shalunov, G. M. - Association of local anesthesia with neuroplegic, ganglionic blocking, and antishock agents. p. 72.
Potapova, V. G., Grishin, G. F. - Agranulocytosis. p 73.
Shustov, V. IA. - Conversion of erythremia into acute erythremic myeloblastosis. p 75.
Grishaeva, L. M. - Case of periodic disease. p. 77.
Mazitov, I. M. - Primary cancer of the Fallopian tube. p 78.
Sabirov, F. M - Primary cancer of the tuba uterina. p. 79.
Poleshchuk, I. S. - Mondor's disease p. 80.
IAkubova, S. N., Utekhina, M., Minapova, R. - Development of rickets in children of preschool and school age. p. 81.
Abstracts. p. 83.
Cherkasova, A. M. - State of the cardiovascular system in late periods following the removal of the lung or its lobe. p. 83.
Zhillakova, A. V. - State of the cardiovascular system in acute diffuse nephritis in children. p. 83.
Uvarova, K. G., Gurzo, V. F. - Effect of the stimulation of tonsils on some hemodynamic indices p. 83.
Sudakova, S. A. - Activity of serum transaminase in rheumatic carditis during treatment with vitamin B_6. p 84.
Zaitsev, B. M., Kosilov, V. F. - Lethal result from shock following intravenous introduction of glucose with vitamins C and B_1. p. 84.
Gel'fand, L. L. - Content of sialic acid in the blood serum in Botkin's disease and cancer. p. 86.
Zeigermakher, G. A., Mukvoz, L. G. - Combined invasion of the biliary tract by helminths and lamblia simulating Botkin's disease. p. 85.
Starkova, N. V. - Changes in the concentration of penicillin in blood serum caused by the combination of penicillin with corticosteroids. p. 86.
Domracheva, E. A., Kol'tsova, L. A. - Early surgery in congenital harelip. p. 86.
Shafiislamov, F. Sh. - Ligature of the vena cava inferior above the venae renalis with a simultaneous nephrectomy. p. 87.
Poryvaev, N. F., Goncharov, A. T. - Changes in the thyroid gland caused by the addition to the food of trivalent chromium in an experiment. p. 88.
Sabirov, F. M. - Abdominal pregnancy in a primigravida. p. 88.
Pushkarev, N. I. - Diagnosis of appendicitis in the second half of pregnancy p. 89.
Khamitov, Kh. S., Shcherbatenko, S. I. - Role of the acetylcholine and cholinesterase system in pathology. p. 89.
Anisimov, V. E. - Vitamin B-15 (pangamic acid) and its clinical use. p. 93.
Sergeeva, E. S. - Experience in the mass instruction of women in a school for mothers in the Yal'chiki District of the Chuvash A. S. S. R. p. 96.
Galiullin, B. V. - Public health activity in the Baltasi Area of the Tatar A. S. S. R. p. 97.
Bolotovskii, I. S. - On the 70th anniversary of the Kazan Society of Neuropathologists and Psychiatrists. p. 98.
Manenkov, P. V. - Professor N. A. Gerken as a surgeon and teacher, on the 100th anniversary of his birth (1863-1933). p. 101.
Fudim, A. M. - History of the nationalization of pharmacies in Bashkiria from 1917 to 1919. p. 103.
Burenin, A. F. - Drill-conductor for intraosseous metallic osteosynthesis in hip fractures. p. 104.
Gerasimova, N. A. - "Lateral curvature of the spine in children" by L. I. Shulutov. p. 105.
Rakhlin, L. M. - Interoceptive effects from the gastrointestinal tract to the heart" by I. E. Ganelina. p. 107.
Porseva, S. IA. - Scientific session of the Pediatric Institute of the Ministry of Health of the R. S. F. S. R. on the problem of Botkin's disease in children. p. 109.
Gimadeev, M. M. - Problems of industrial hygiene and occupational pathology in the Sanitary and Hygienic Conference of the R. S. F. S. R. p. 110.
Kozlov, L. A. - Discussion. p. 112.
Brief news. p. 113.

KHABAROVSK. MEDITSINSKII INSTITUT. Trudy [MEDICAL INSTITUTE. Transactions]. vol. 23, no. 2, 1962. Voprosy morfologii, fiziologii i mikrobiologii [Problems of morphology, physiology and microbiology].
Table of contents translated:
Litvintsev, M. G. - Indissoluble link between language and thought in the light of I. P. Pavlov's theory of the second signal system. p 3.
Litvintsev, M. G - Unity of sensory and rational factors in the process of perception and relative independence of abstract thinking in the light of I. P. Pavlov's theory of the two signal systems p 10
Shubina, G. P. - Some moments of struggle between materialism and idealism in the theory of diagnosis p 16
Trifonov, A. E. - Some characteristics of the microvascularization of the human myocardium p 23
Lindenbraten, V. D. - Measuring the arterial pressure in dogs with the aid of an arterial oscillograph p 26.
Kozlova, G. V. - Anatomy of the spinal veins p. 27.
Urmanov, M. I. - Some characteristics of the blood supply of the solitary lymph follicles of the large intestine in man p 31
Rosliakov, A. G - Hemopoiesis following extensive experimental resections of the small intestine p 34.
Khodasevich, V. R - Effect of ACTH on the intestinal motility and its reflex regulation p 41
Turbina, L. V. - Effect of the adrenocorticotropic hormone on the functional state of the neuromuscular apparatus. p 44
Turbina, L. V - Effect of the adrenocorticotropic hormone on the reactivity of the vasomotor and respiratory centers of sensitized animals p 49
Konovalov, P. F - Reflex influence of potassium chloride and calcium chloride from vein receptors p 53
Konovalov, P. F - Effect of potassium and calcium on the activity of vein receptors. p. 55.
Pshenichnyi, I. P - Effect of caffeine and bromine preparations on the course of an inflammatory process (experimental keratitis). p 57.
Mel'nikov, V. V. - Analysis of an oxyhemogram in the inhalation of oxygen. p 61.
Mel'nikov, V. V - Correlation of the time of the blood flow from the lungs up to the ear with the growth, frequency of the pulse, arterial pressure and other magnitudes p 64
Medvedev, M. A. - Mechanism of pathological bile secretion following a hypophysectomy. p 68
Lindenbraten, V. D. - Effect of thiol compounds on the thermal resistance of white mice p 71
Lindenbraten, V. D , Kiylov, S. D. - Effect of tonic drugs and adaptive hormones on the thermal resistance of white mice p. 73
Livkina, E. G , Gorokhova, O. V - Adaptation of local strains of paratyphoid B and Breslau bacilli to levomycetin and streptomycin under different conditions of culture. p 75
Livkina, E. G. - Materials on the variability of the antigenic bacterial properties under the influence of antibiotics. p. 80.
Leibina, E. M. - Variability of the scleroma agent in the process of its adaptation to antibiotics (streptomycin, levomycetin, biomycin and terramycin) p 88.
Maslovskii, M. I. - Changes in some blood indicators in deep freezing of the extremities of animals (rabbits). p 91
Maslovskii, M. I - Effect of intramuscular injections of heparin on the course and results of injuries caused by cold in the extremities of animals (rabbits) p. 94.
Maslovskii, M. I. - Effect of intravenous injections of heparin on some blood indices of experimental animals (rabbits). p. 95.
Malyshev, F. S. - Bactericidal properties of the skin in some skin diseases. p 96.
(DNLM)

KLINICHESKAIA MEDITSINA [CLINICAL MEDICINE]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U. S. S. R.]. Moscow, vol. 40, no. 11, Nov. 1962
Table of contents translated:
Markov, A. M. - Some problems of general and specialized prophylaxis. p. 3.
Pytel', A. IA., Goligorskii, S. O. - Prevention of urinary calculi and so-called urolithic diathesis. p. 7.
Savvaitov, S. A., Veretianov, I. I. - Prevention of some diseases of the stomach and duodenum. p. 14.
Petrovskii, K. S. - Some problems of nutritional prevention of noninfectious diseases. p. 20.
Sus, G. - Function of the spleen. p. 25.
Smorodintsev, A. A. - Fundamental results of the study of the live anti-influenza vaccine. p. 33.
Kavetskii, N. E., Grinberg, B. M. - Dispensary services for persons under a doctor's care. p. 39.
TSyganov, G. M., Zhilov, M. S., Eidinov, IA. B. - Results of the prevention of a myocardiac infarct and thromboembolic diseases in Leningrad. p. 44.
Teodori, M. I., Alekseev, G. K. - Results of long polyclinical (dispensary) observations of cardiovascular diseases. p. 51.
Voshchanova, N. P., Shishkin, S. S. - Prevention of repeated myocardiac infarcts. p. 58.

Shelagurov, A A , Dobrovol'skaia, T I , Il'in, D. P - Hospitalization and treatment of patients with myocardiac infarction complicated by collapse p. 62
Karamyshev, F I - Effect of work on patients with heart defects p. 68
Mokerov, I P - Occupational characteristics of the incidence of hypertension p 76.
Kapeller-She, A M. - Concerning the prehypertensive state, data on an examination of the population of Peking p. 79.
Gembitskii, E.V , Brodskaia, S I - Prevention of rheumatic fever p. 85.
Manastyrskii, R.IA., and others - Organization of rheumatic fever control in Lvov Province p 89
Klimovitskii, V A , Vaisman, S R , Chakina, L.A - Dispensary services for persons recovered from Botkin's disease. p 94
Zherebtsov, L A. - Use of prednisolone in chronic hepatitis and liver cirrhosis p. 98
Genyk, S.N - Dispensary treatment of patients with some surgical diseases in an agricultural region p 103
Pollakov, I.G. - Dispensary observation of workers employed in plants producing synthetic ethyl alcohol p 106.
Liubarskii-Zaika, A.I. - Result of a fluorographic examination of the workers of the Odessa Railway and the members of their families. p. 110
Kozlovskii, V.N - Effect of corn oil on some indicators of lipoid and protein metabolism in atherosclerosis patients p 112
Baubinene, A.V., Stankevichene, N A. - Daily variations of cholesterol content in healthy persons and in atherosclerosis patients. p. 116.
Tokovoi, V.A. - Content of vitamin B_6 in the urine *of healthy people. p 119.*
Shilov, P I., IAkovlev, T N - Combined use of vitamins, preliminary report. p. 120
Fridberg, D.I. - So-called thyrotoxic myopathy. p 125.
Fazakas, S., Nad', D - Idiosyncrasy to meprobamate (andaxin). p 129.
Vlasov, K.F., Val', V.V. - Side effects of noxiron. p. 130.
Berliner, G.B , Sobolev, P.I , Mos'panov, L.S. - Intravital diagnosis of a primary tumor of the heart. p. 132.
Kassirskii, I.A. - Aleksandr Nikolaevich Kriukov, 10th anniversary of his death. p. 136.
Vallavskii, IU.V. - Fifty years of vitaminology p. 139.
Guglin, E.R. - Role of the variational statistical analysis in a clinical study p 142.
Shnitnikova, Z.Z. - Reply to the article "Coronary insufficiency in intellectual workers" by E.E. Kristel and coauthors. p 144
IAnushkevich, Z.I. - What is expected of a general practitioner, notes of a delegate to the Edinburgh Conference. p. 148.
Petrov, B.D. - "Diseases of craftsmen, a discussion" by Bernardino Ramazzini. p. 150
Sukharev, V.I. - "Industrial medical expertise on skin diseases" by A P. Dolgov, L V. Solov'eva, p 152.
Rybkin, I N. - "Key to the diagnosis and treatment of heart diseases" [translated from the English] by Paul D. *White. p 153.*
Teitel'baum, M.I - "Electrocardiography in the practice of expertise on working capacity" by R IA. Pis'mennyi, A.V. Soboleva. p. 154.
Makarov, V.A. - Evaluation of the arterial vascular tonus by the magnitude of the oscillographic index. p. 157.
(DNLM)

Vol. 41, no. 7, July 1963.
Table of contents translated:

Vashchuk, V V. - Effect of diet and some drugs on the secretion of pancreatic juice from a pancreatic fistula p 57.
Frunchenkova, F S. - Effect of antidiabetic sulfanilamide preparations on fat and lipoid metabolism in diabetes mellitus. p. 63
Khlystov, V G - Study of the motor function of the intestines in man by the balloon-kymographic method Report No. 2, "Fasting" motor activity of the jejunum in man in chronic enteritis (enterocolitis) p 67
Khar'kovskii, N.N. - Diagnostic value of laparoscopy. *p. 71*
Velósy, György. - Dumping syndrome of the autonomic disease. p 75.
Krokhalev, A.A. - Potassium depletion in the postoperative period. p. 80.
Belaneli, A M., Khakhiashvili, D A. - Intraintestinal introduction of antibiotics in laparotomy, preliminary report p 83
Govorovich, E. A. - Protein composition of the blood serum in the antibiotic therapy. p 85
Astrozhinskov, IU V., Volkova, A.M - Pseudotumors of the cecum. p. 92.
Volkov, V.E - Adrenocortical hormones and their emergency use in surgery. p. 96.
Markovichus, S. L., Siderate, S.A - Clinical *aspects of thyroiditis and strumitis. p. 99*
Kliachko, V.R., Steklenkova, I.I. - Hormone therapy of acute and subacute nonsuppurative thyroiditis and strumitis, p 104.
Gerasimova, E.N - Excretion of aldosterone with the urine in cardiac insufficiency. p. 108.
Kulakov, G.P., and others. - Combined use of the artificial kidney and peritoneal dialysis. p. 111.
Piotrovich, A.K., Koval'skii, G.S. - Clinical aspects of influenza in Khabarovsk. p. 117.
Shul'tsev, G.P., TSyganova, A.M. - Two cases of adrenal atrophy in prolonged steroid therapy. p. 121.
Starodubtseva, L.N., Bogdanov, B.G. - Multiple complications in gastric ulcer. p. 124.
Pekarskii, D E - Clinical value of the xyphoideus phenomenon in acute cholecystitis. p. 128.
Startsev, I V. - Case of Chiari's disease. p. 130.
Shershnev, A.V., Shelepov, A.V. - Clinicoroentgenological correlations in peptic ulcer in elderly persons. p. 133.
Aviosor, M L , and others. - Interaction of the thyroid gland and pancreas. p. 137.
Krichko, M.A. - Complication of Botkin's disease by orchitis. p. 138.
Deenichin, P. - Case of intrahepatic lithiasis. p 139.
Rabinovich, IU.IA., Shapiro, IU.V - Resuscitation after pachycarpine poisoning. p 140.
Zavadovskaia, N.V., Levashov, G.V. - Gastrogenic tetany. p 144.
Tetdoev, A.M. - Surgical procedures for foreign bodies in the gastrointestinal tract. p. 148.
Shelagurov, A.A., Adrianova, N.V. - Course of propedeutics of internal diseases in the third year of Medical Institutions of Higher Education. p. 150.
Marchuk, P.D. - Hungarian Conference of Gerontologists. p. 153.
Milenushkin, IU.I. - Review of Feliks Widy-Wirski's book "On the basic problems of the history of medicine." p. 156.
(DNLM)

KLINISKA UN EKSPERIMENTALA MEDICINA [CLINICAL AND EXPERIMENTAL MEDICINE]. Issued by Latvijas PSR Zinatnu akademijas Eksperimentalas un kliniskas medicinas instituts [Institute of Experimental and Clinical Medicine of the Academy of Sciences of the Latvian S. S. R.]. Riga, vol. 1, 1962.
(DNLM)

AZITOLOGIIA I PARAZITARNYE
AL PARASITOLOGY AND PARA-
3ES]. Issued by Ministersivo
SSSR [Ministry of Health of the
w, vol. 32, no. 5, Sep.-Oct. 1963.
tents translated:
he relation between body weight
ty and quantity of blood ingested
the genus Aedes. p. 515.
The length of the day as a factor
y of egg-laying in females of
rginatus Sulz. p. 521.
rtical (layerwise) age distribution
s of Ixodidae in the herbaceous
of the southern part of the Mari-
orests during various seasons.

Midge control at the construction
k hydroelectric power station
sic problems in blackfly control
34.

Repellent properties of m-toluic
le to horseflies. p. 539.

Potapov, A A , Vladimirova, V V - Effect of repellents on some species of horsefly at different air temperatures; field trials with Skufin traps p. 542
Alekseev, A N., Ignat'eva, A P - Toxicity of some organic phosphoric insecticides for the larvae of blood-sucking blackflies p. 546.
Saf'ianova, V.M - Results of testing individual bed curtains of net material impregnated by repellents for protection against mosquitoes p 549
Osipian, V T , and others. - Comparative effectiveness of hexamethylenebenzamide and acetyltetrahydroquinoline as protective agents against fleas in humans. p 551.
Shura-Bura, B.L., Glazunova, A.IA. - Insecticidal properties of chlorophos paper "Mukhomor" p 554
Zhuzhikov, D P. - Possibility of bacteria surviving the metamorphosis of the housefly p. 556.
Loginovskii, G E - Seasonal changes in the quantity of houseflies in Kurgan. p. 563.
Il'iashenko, L.IA. - Hibernation of Musca domestica vicina in the Hissar Valley (Tajik S.S.R.). p 565
TSirkin, IU.M , Krasovskii, G.V., Kuliabko, V.V. - Use of the hemagglutination inhibition reaction in the diagnosis of tick-borne encephalitis and in the detection of the immunological structure of the population of pseudo-foci. p. 567.
Kellina, O.I. - Testing of the chemotherapic activity of monomycin in experimental cutaneous leishmaniasis in white mice. p. 572.
Sergiev, P.G., Tiburskaia, N.A. - Independent coexistence of Plasmodium vivax strains with long and short incubation periods p 576
Pionkovskaia, S.P , Flint, V E , Korshunova, O.S - Natural focus of tick-borne exanthematous fever in the Ubsu Nur trough in the Tuva A.S.S.R. p. 581.
Teras, J.H , Roigas, E M , Laan, L.A. - Significance of the culture method and repeated examinations in the diagnosis of trichomoniasis of the genitourinary tract p. 586.
Gofman-Kadoshnikov, P.B. - Stages in the formation of new foci of diphyllobothriasis and stagewise preventive measures. p. 589.
Sukhacheva, E I - Role of some species of insect larvae in the epidemiology of ascariasis. p. 600
Zimorol, I IA. - Effect of desiccation and ultrasound on the viability of trichinella. p. 603.
Pirumov, Kh.N , Guseinov, G.A. - Control of parasitic and some other diseases in the Republic of Guinea. p. 606.
Rasnitsyn, S P. - Review of the methods used in the control of horseflies. p. 611.
Klimov, I A - Malaria in Yemen. p. 617.
Vasiuta, IU S. - Some problems of the epidemiology of hemorrhagic fever with the renal syndrome in the R.S.F.S.R. p. 618
Strygin, V.A. - Epidemiological data on hemorrhagic fever with the renal syndrome in Bashkiria. p. 619.
Rybalko, S I , and others. - Hemorrhagic fever in the southern districts of Kazakhstan p 619.
Nefedov, D D. - Case of infectious hemorrhagic nephrosonephritis in Gorkiy Province. p. 620
Miasnikov, IU A , and others. - Characteristics of epidemiological manifestations of natural foci of Tula hemorrhagic fever with the renal syndrome p. 621.
Alifanov, V.I., and others. - Data on the epidemiological prognosis of Omsk hemorrhagic fever. p. 621.
Bibikova, V.A., Medvedevskikh, V.I., Dankov, S.S. - Epizootiological role of the fleas of greater gerbils. Report No. 4: Xenophylla skrjabini Ioff 1928. p. 622.
Makhlina, R.M., Avalashvili, S.D., Kamalova, A G - Testing of some antihelminth preparations in ascariasis and necatoriasis under outpatient service conditions. p. 623.
Vladychin, I.V., Kraveta, N.P. - Oxygen therapy in ascariasis late at night. p. 624.
Dukhanina, N.N - Soviet literature on the problems of medical parasitology and parasitic diseases published in 1963 p. 626.
Conference of Entomologists of the Sanitary and Epidemiological Stations of the European Part of the R.S.F.S.R. p. 633.
Conference on toxoplasmosis. p. 634.
Scientific Sessions of the Leningrad Parasitological Society in 1962. p. 634.
E.V. Kalantarian; an obituary. p. 636.
In memory of S.K. Chinnov. p. 636.
Aleksandr Mikhailovich Petrov; an obituary. p. 637.
(DNLM)

NOUKOGUDE EESTI TERVISHOID [HEALTH SERVICE OF SOVIET ESTONIA]. Organ of Eesti NSV Tervishoiu Ministeerium [Ministry of Health of the Estonian S. S. R.]. Tallinn, vol. 6, nos. 5-6, Sep.-Dec. 1963. [In Estonian]

PROBLEMY ENDOKRINOLOGII I GORMONOTERAPII [PROBLEMS OF ENDOCRINOLOGY AND HORMONE THERAPY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 9, no. 5, Sep.-Oct. 1963.

Table of contents translated

Leites, S.M. - Fat and lipid metabolism in diabetes mellitus p 3.
Shchipanov, G.G., Rabkina, A.E. - Effect of starvation on the histostructure and function of the islands of Langerhans p 12
Bogoslovskaia, S.I. - Effect of caffeine in hypoglycemia. p. 17
Zak, K.P. - Determination of the functional state of the adrenal cortex in hyperthyroidism and thyroidectomy according to hematological indices. p 19.
Leshchinskii, A.F., Zuza, Z.I. - Significance of the functional state of the adrenal cortex in the pathogenesis of experimental arthritis and in the pharmacodynamics of antirheumatic agents. p 25.
Feldes, S.M., Chzhou Su [Chou Su]. - Role of the adrenals and sympathetic nervous system in fat mobilization in stress states. p. 30.
Chernyshev, S.G. - Mechanism of the effect of aminazine on the thyroid gland. p. 35
Polenov, A.L., Balonov, L.IA. - Morphological analysis of changes in the neurosecretory elements of the neurohypophysis of white rats during pain stimulation and under the effect of aminazine. p. 40.
Dzhaparidze, T.D., Kobakhidze, M.K. - Higher olfactory centers and ovarian activity in rats. p 46.
Kaplan, P.M., Turubiner, N.M. - Effect of endocrine gland reception on higher nervous activity and on its possible participation in mental disorders of endocrine origin p 49.
Erd, E.A., Markaryan, D.S. - Experimental hormone therapy of ovarian follicular cysts in rats. p 55.
Lekishvili, V.P. - Classification of adrenal cortex diseases. p. 60.
Milosavskii, IA.M., Ardamatskii, N.A. - Urinary excretion of tetrahydroxy derivatives of corticosteroids in healthy persons based on paper chromatography data p. 62
Matiina, E.A., Shagal, D.I. - Effect of ACTH on adrenaline and noradrenaline excretion in the urine in myopathy. p. 66.
Gracheva, K.P., Odinokova, V.A. - Adrenal pathology in thyrotoxicosis. p. 71.
Nikolova, F.A. - Functional state of the stomach in thyroid gland diseases, clinical studies p. 75.
Mikhilin, V.M. - Acute stomach dilatation in a patient with thyrotoxicosis p. 76
Sigal, M.Z., Khamidulin, Z.G. - Pathogenesis of extensive deposition of calcium in the soft tissues. p. 78.
Grinchenko, T.S. - Treatment of diabetes mellitus patients with cyclamide. p 81
Bredikis, IU.I., Fridzon, M.G. - Use of electrical stimulation of the heart in Morgagni-Adams-Stokes syndrome developing against a background of severe diabetes mellitus p. 85.
Marim'laa, L.S. - Experience in the study of the actual working capacity of diabetes mellitus patients in industrial plants. p. 88.
Vitebskii, E.M. - Pathogenesis and clinical aspects of gonadal dysgenesis. p. 93.
Santotskii, M.I., and others. - Pneumogynecography in endocrine diseases. p. 97.
Špaňlar, E., Kysela, J. - Steroid spectrum as a diagnostic criterion in true hermaphroditism. p. 101.
Anosova, L.N., Radugina, L.P. - Itsenko-Cushing syndrome in a patient with hypoglycemia. p. 106.
Kandror, V.I. - Role of the pituitary-adrenal system in the development of symptoms of radiation pathology, a review of literature. p. 109.
Genes, S.G. - Review of A.E. Lichko's book "Insulin coma. Clinical aspects, mechanisms of the development, and insulin shock treatment of psychoses." p. 118.
Dil'man, V.M. - Reply to reviewers V.G. Baranov and A.M. Raskin. p. 120.
Concerning V.M. Dil'man's reply to the reviewers. p. 123.
Gritskevich, V.P. - Activities of the White Russian Endocrinological Society in 1962. p. 126.

PROBLEMY TUBERKULEZA [PROBLEMS OF TUBERCULOSIS]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 40, no. 6, 1962.

Table of contents translated:

Safonov, A.G. - Current state and problems of extended surgical aid for patients with pulmonary tuberculosis. p. 3.
Seglins, K.A. - Current state and surgical treatment of pulmonary tuberculosis in the Latvian S.S.R. p. 10.
Shadrin, V.P. - Current state and problems of the surgical aid for patients with pulmonary tuberculosis in the Yakut A.S.S.R. p. 13.
Shebanov, F.V. - Compound treatment of tuberculous patients p 15
Shmelev, N.A. - Limitations of chemotherapy in pulmonary tuberculosis and indications for surgical treatment p 23
Khrushchova, T.N. - Place of collapse surgery in the treatment of pulmonary tuberculosis p 28
Shulutko, M.L., Panfilova, G.A. - Intrathoracic interventions in primary tuberculosis in children and adolescents. p 31.
Slepukha, I.M. - Pulmonary resection in children and adolescents in tuberculosis and means for the improvement of its effectiveness p 35
V'iukova, R.N., Poliianskii, B.A., Metelkin, D.P. - Pulmonary resection in tuberculosis. p 38.
Gavrilov, S.A. - Indications for extensive thoracoplasty in tuberculous pleural empyema p 43
Kalandadze, Z.F., Kopelko, I.P., Semenkin, P.A. - Surgical treatment in pulmonary tuberculosis caused by Mycobacterium tuberculosis resistant to antibacterial preparations p. 48.
Guzeev, IU.M. - Course of the postoperative period following pulmonary resection in tuberculosis depending on the condition of the bronchial tree before the operation. p 52
Lebedev, E.M., Zhilin, IU.N. - Modern anesthesia for pulmonary surgery in tuberculosis p 55
Marchenko, L.G. - Selection of an anesthetic method in pulmonary resection in tuberculosis p. 63
Tavrovskii, V.M., Shestakov, N.V. - Use of the new plasma substituting solution polyvinal in pulmonary surgery. p. 68.
Rozinov, IA.G. - Experience in the organization of a pulmonary surgical center at a province tuberculosis sanatorium. p 71
Strukov, A.I., and others. - Anatomical and roentgenological manifestations of fibrocavernous tuberculosis p. 74.
Pershin, G.N., Zykova, T.N. - Tuberculostatic activity and chemotherapeutic effects of thio amides of pyridinecarboxylic acid in experimental tuberculosis p 82
Schweiger, O. - Catalase activity of Mycobacterium tuberculosis p 88
Radanov, R., Dobrev, P. - Streptomycin and BCG therapy of guinea pigs infected with various doses of Mycobacterium tuberculosis. p. 91.
Nodiia, A.I. - Prolonged treatment of pulmonary tuberculosis in the mountain resort of Abastumani. p. 95.
Karapetian, E.T. - Surgical treatment of patients with pulmonary tuberculosis in the mountain resort of Dilizhan. p. 97.
Abashidze, G.G., Dzhikiia, O.A. - Role of pneumoperitoneum in surgery of pulmonary tuberculosis. p 99.
Prokop'ev, D.I., Kargapolova, M.G. - Therapeutic results in extrapleural pneumonolysis. p 101
Bogdanovich, B.N., Chepenets, E.N. - Ligation of the main bronchus in pulmonary tuberculosis p. 103.
Martyniuk, K.D. - Reconstructive resection of the hip joint in tuberculosis coxitis. p. 104
Massino, S.V. - Review of V.M. Vekilov and A.G. Pogosov's book "Organizational problems in the control of tuberculosis." p. 106
Akhundov, A.A., Oberov, K.O. - Conference on the Control of Tuberculosis in the Turkmen S.S.R. p. 108.
Nurmamedov, A.D., Rabinovich, TS.M. - Third Conference on Tuberculosis in the Azerbaijan S.S.R. p. 109.
Lachinian, S.R. - Scientific Sessi
Scientific Research Institute of
Ministry of Public Health of th
Bandurovskaia, N.F. - Scientific
Odessa Scientific Research Ins
sis. p. 117.
(DNLM)

REFERATIVNYI ZHURNAL: MEDITS
FIIA (Otdel'nyi vypusk 36) [JOURN
STRACTS: MEDICAL GEOGRAPH
36)]. Issued by Institut nauchnoi i
nauk SSSR [Institute of Scientific
Academy of Sciences of the U.S.S
no. 12, Dec. 1963.

SOVETSKOE ZDRAVOOKHRANENIE
SERVICE]. Issued by Ministerst
nita SSSR [Ministry of Health of t
cow, vol. 22, no. 7, 1963.

Table of contents tran
Petrov, B.D. - Health education
Potulov, B.M. - V.I. Lenin and S
p. 8.
Krasil'nikov, M.I., Kuz'min, M.
ures in Orekhovo-Zuyevo. p.
Deviatka, D.G. - Increase in hyg
graduates of medical institutes
Liutsernova, O.A., Lapenkov, L
versities of health in Leningra
Alekperov, I.I., Andreeva, E.K., Seidbekov, A.I. - Sanitary-educational work of the factory broadcasting system. p. 25.
Ranov, A.I. - Amateur theaters and cleanliness carnivals" in the history of sanitary-educational work. p. 28.
Bozian, Kh.A. - The new method justifies itself. p. 31.
Khelemendik, M.D. - Health propaganda and reduction of morbidity at the Dzerzhinskii Metallurgical Plant. p. 31.
Brezgin, V.D. - Statistical characteristics of mortality from cardiovascular diseases among the population of Yaroslavl. p. 32.
Nesterenko, A.I. - Popular universities of Russia and their role in the dissemination of medical knowledge (1906-1917). p. 38.
Grando, A.A. - Development of sanitary organization in the Ukraine during the first years of Soviet authority. p. 42.
Bazanov, V.A. - Life and activity of E.A. Osipov, from unpublished materials. p. 47.
Petrov, P.T. - S.A. Tomilin, on the tenth anniversary of his death. p. 52.
Sokolov, D.K. - First medical council in Russia; on the 90th anniversary of its organization. p. 54.
Shtanchaev, S.TS. - Folk doctors of Daghestan in the 19th century. p. 59.
Significant dates and anniversaries of medicine in 1963. p. 63.
Fodor, Ferenc, Madal, Lajos. - Hospitalization of therapeutic patients for emergency causes in Budapest. p. 68.
Perov, O.V. - Experiments on human subjects in current foreign medicine, a review of literature. p. 71.
Makarova, M.V. - Some public health problems in France; a review of literature. p. 76.
Popova, G.F. - Review of scientific popular literature for 1962 - 1963. p. 82.
Petrov, B.D., Izutkin, A.M. - "Some problems of labor and public health during the building of Communism." p. 86.
Emel'ianova, G.F. - First Congress of Hygienists, Epidemiologists, Microbiologists, Infectious Diseases Specialists, and Organizers of Public Health in Bulgaria. p. 90.
Petrov, P.T. - Activity of the Section of Historians of Medicine of the Kharkov Province Hygienic Society. p. 91.
Mikhelkin, V.IA. - Activity of the Section of Public Health Organization and Sanitary Statistics of the Leningrad Chapter of the All-Russian Scientific Society of Hygienists and Public Health Physicians. p. 93.
Shapiro, I.IA. - Results and perspectives of the activity of the Lvov Scientific Historicomedical Society. p. 95.

SUDEBNO-MEDITSINSKAIA EKSPERTIZA [FORENSIC MEDICINE EXPERTISE]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 6, no. 4, Oct.-Dec. 1963

Table of contents translated

Bystrov, S.S. - Diagnostic importance of transudates in the serous cavities in death from drowning, an experimental study. p. 3.
Kontsevich, I.A., Kabak, K.S. - Reactive changes in the vagus nerves in strangulation. p. 10.
Kuz'min, A.I. - Some data on the characteristics of injuries due to motorcycling. p. 16.
Fedorov, I.I. - Age characteristics of the pelvic

Kovalenko, P. P., Skvortsov, F. F., Demichev, N. P. - Preparation of cadaver tissues in a medicolegal morgue p 48
Sidorov, S. M., Molotov, B. V. - Study of lesions inflicted with blunt objects with a rounded surface p 51
Naumenko, V. G. - Dissertations on problems of medical jurisprudence for 1960-1962. p 54
Savina, E. A., Naumenko, V. G. - "Pathological anatomy of occupational diseases." p 56
Prilutskii, S. A. - Review of O. Black's book 'Case of death due to the suction of a man's body into the motor of a jet airplane" [in French] p 57.
Acherkan, N. N. - Review of W. Schweisheimer's book 'Identification of persons by means of voice spectrography" [in German] p. 58
M. M. Petrichkov, an obituary p. 59.
Index of articles published in the journal "Sudebno-meditsinskaia ekspertiza" in 1963 p 60.

SVEIKATOS APSAUGA [HEALTH SERVICE] Issued by LTSR Sveikatos apsaugos ministerija [Ministry of Health of the Lithuanian S. S. R.]. Vilnius, vol. 8, no 12(96), Dec 1963 [In Lithuanian] (DNLM)

TRUDY PO NOVOI APPARATURE I METODIKAM [WORKS ON NEW APPARATUS AND METHODOLOGY] Issued by Pervyi Moskovskii meditsinskii institut [First Moscow Medical Institute]. Moscow, no. 1, 1963. Fazovyi metod izucheniia i upravleniia funktsiiami serdechno-sosudistoi sistemy [Phasic method of studying and controlling the functions of the cardiovascular system]

Table contents of translated
From the editors. p. 3.
Pavlenko, S. M. - Phasic method of studying the heart is a new step in the development of cardiology. p. 5.
Medellanovskii, A. N. - Some possibilities and prospects of the phasic method. p. 9.
Medellanovskii, A. N., Kiselev, O. I. - Basic principles of the technical guarantee of the phasic method. p. 17.
Medellanovskii, A. N., Kiselev, O. I. - Universal apparatus for the phasic study of the heart on a trigger scheme. p. 41.
Tabarovskii, I. K. - Phasic X-ray cardiograph FRK-61 is a commercial apparatus guaranteeing the use of the phasic method. p. 46.
Medellanovskii, A. N., and others. - Method of phasic roentgenocardiography. p. 54.
Medellanovskii, A. N., Frolov, V. A., Kiselev, O. I. - Method of phasic photography of the heart, a method of receiving photographs and films of the X-ray image of the heart at a given phase of the cardiac cycle. p. 60.
Medellanovskii, A. N., Kiselev, O. I., Bogdanova, E. V. - Method of phasic study of stimulation of the heart. p. 64.
Medellanovskii, A. N., and others. - Method of phasic resection of a portion of the myocardium at a given phase of the cardiac cycle for subsequent biohistochemical and autoradiographic investigation. p. 71.
Medellanovskii, A. N., Frolov, V. A., Kiselev, O. I. - Method of phasic vectorcardiography. p. 80.
Kovanov, V. V., and others. - Method of phasic control of the blood circulation. p. 86.
Medellanovskii, A. N., Kiselev, O. I. - Method of respiratory and cardiac phasing in its use for studying and regulating the activity of the heart and large vessels. p. 93.
Literature. p. 99.

VESTNIK RENTGENOLOGII I RADIOLOGII [REVIEW OF ROENTGENOLOGY AND RADIOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U. S. S. R.]. Moscow, vol. 38, no 5, Sep. - Oct, 1963.

Table of contents translated:
Shanina, V. A. - Comparative significance of longitudinal tomography in the recognition of enlargement of the left atrium p. 3.
Paktovskii, IA. V. - Use of tomography in the diagnosis of intracardiac calcifications p 8
Shvab, L. A. - Role of the X-ray examination in the diagnosis of acute pneumonia in children under one year of age. p 13
Aleksandrova, A. V. - Significance of thoracic tomography with a lateral projection in tuberculosis. p 19.
Maslennikova, I. N. - Study of the external respiratory function by tomography in pulmonary tuberculosis. p. 22.
TSukerman, O. A. - Roentgenological picture of leukemic changes in the lungs, pleura and thoracic lymph nodes in acute (subacute) leukemia. p. 26
Murzenko, D. I., Bass, M. A. - Clinicoroentgenological characteristics of anthracosis in persons working in soft coal mines. p. 31.
Zhidikhanov, K. A., Maksudov, G. B. - Significance of double examination of lung fluorograms p. 33.
Tchichko, F. F. - Comparative diagnostic value of small three-film fluorography and roentgenoscopy for the detection of pathological changes in the lungs p 37
Margamet, Sh. M. - Roentgenological observations on the so-called lower esophageal ring p 40
Nikiforova, E. I. - Causes of errors in the X-ray diagnosis of stomach cancer, analysis of 12 years' data p 42
Fridman, E. G. - Use of double contrast and pneumoperitoneum in the X-ray examination of patients with resected stomach. p 46
Shusterov, B. G. - Methodology of X-ray examination of the hepato-pancreato-duodenal zone using a blocking duodenal sound p 50
Amosov, I. S. - Attachment for high-speed serial exposures with the RUM-5 X-ray unit p 55
Kalousova, V. - Use of a curved X-ray film holder in traumatology p 58.
Matvievskii, F. P. - Protective screen for patients during X-ray diagnosis p 60
Tishchenko, L. N., Shraer, T. I. - Pneumomediastinography in the diagnosis of benign tumors and cysts of the mediastinum p 61
Manevich, V. L. - Mediastinal chondromas p 62
Sharov, B. K. - Experience in aspiration bronchography in the diagnosis of central lung cancer p 64
IUketis, L. I. - Roentgenogram of the thorax in oblique projection at a 30° angle p 66.
Peshev, I., Balabanov, V. - Changes in the lungs probably caused by trichophytosis. p 68
Stratonovich, V. I. - Case of soft tissue tuberculoma of the anterior abdominal wall. p. 69
Granovskaia, N. N., Sakharova, V. M. - Calcified uni-canicular echinococcosis of the femur p. 70
Gasul', R. IA., Budyko, L. A. - Activity of the Zaporozh'ye Province Scientific Society of Roentgenologists and Radiologists for 1962 p 71
Zedgenidze, G. A. - Review of A. V. Grinberg's book "X-ray diagnosis of occupational diseases of the bones and joints " p 72
Shtein, B. M. - Review of V. G. Ginzburg's book Fundamentals of roentgenological examination of the skull " p 73
Fridkin, V. IA. - Review of L. S. Rozenshtraukh and N. I. Rybakov's book "Clinical X-ray diagnosis of paragonimiasis " p 74.
Kishkovskii, A. N. - Review of G. A. Zedgenidze and R. S. Shilova-Mekhanik's book "X-ray diagnosis of dental and maxillar diseases " p 75
Rozenshtraukh, L. S. - Annotations on published books on roentgenology p. 76.
Reinberg, S. A., Aliev, B. M. - Letter to the editors. p 78
Notice about the 11th International Congress of Radiologists p 78

VORONEZH MEDITSINSKII INSTITUT. Trudy [MEDICAL INSTITUTE. Transactions]. Vol. 47, 1962. Voprosy gigieny i professional'noi patologii [Problems of hygiene and occupational pathology]

Table of contents translated
Foreword p 3
Pokrovskii, V. A. - Sanitary protection of the biosphere, the most important problem of modern hygienic science p 5.
Ivanov, V. A. - Comparative toxicohygienic characteristics of waste waters from the production of new types of synthetic rubber p 9
Makrinov, V. A. - Sanitary toxicological characteristics of isoprene dimers p. 14
Ivanov, V. A., Stepanova, N. M. - Possibility of benthonic sedimentation of rosin resulting from the discharge of waste water from the production of synthetic rubber into a reservoir p 19
Ivanov, V. A., Maksimova, T. K. - Functional and morphological changes in an animal organism in chronic rosin poisoning p. 23
Taradin, IA. I. - Combined effect of nekal and some other organic compounds on the biochemical processes in polluted waters. p. 27.
Makrinov, V. A. - Effect of the simultaneous presence of styrene and nekal on the flavor of water. p 34
Faustov, A. S., Zubritskii, K. V. - Establishing hygienic standards for the concentration of the ethylbenzene, styrene, and nekal complex in the water of reservoirs p 36.
Taradin, IA. I., Faustov, A. S. - Use of empirical formulas in establishing maximal permissible concentrations of organic substances in the water of reservoirs. p. 38.
Ivanov, V. A., Kuchmina, N. IA., Fetisova, L. N. - Test with an isolated heart as a rapid method of a preliminary evaluation of the toxicity of sewage and its ingredients. p. 41.
Ivanov, V. A., Pogorelova, M. V. - Use of the method of erythrocyte measurement in a sanitary toxicological experiment on the evaluation of waste waters from the production of synthetic rubber. p. 47.
Volchikova, R. I. - Study of the blood in sanitary evaluation of the toxicological characteristics of substances used in the production of synthetic rubber. p. 53.
Zubritskii, K. V. - Elimination of the influence of high-boiling fractions from the synthesis of isoprene rubber on the organoleptic properties of water p 57
Lost', L. I. - Some data on the ionization of air at the Cheremshany Health Resort in Saratov Province p 59
Poliakova, A. S. - Hygienic importance of the determination of air ionization in some closed rooms p. 62
Fedorova, L. M. - Sanitary and hygienic evaluation of the planning and improvement of new dwellings built in the workers' settlements of the city of Saratov p. 65.
Kulikov, S. I. - Sanitary state of the ponds of the city of Stavropol p 67.
Kulikov, S. I. - Hygienic evaluation of gas-heated furnaces p 69
Faustov, A. S. - Some characteristics of chronic intoxication by styrene p 71
Kats, B. IA., Pavlenko, A. M. - Diseases of workers exposed to styrene. p 73.
Kats, B. IA. - Clinical aspects, laboratory diagnosis and treatment of hepatitis resulting from chronic exposure to styrene. p. 76.
Ivanov, S. V. - Toxicology of ethylbenzene. p 80
Ivanov, S. V. - Changes in the blood as a result of chronic poisoning by the fumes of ethylbenzene p 83.
Orlova, A. A., Solov'eva, E. A. - Clinical aspects of chronic action of a series of chemicals used in the production of synthetic rubber. p 86
Khrov, S. M., Gel'dyev, Kh. - Some data from the experience of polyclinical examination of workers at the synthetic rubber plant. p. 88
Stanislavskaia, TS. D. - Change in the working capacity of people inhaling oxygen-enriched air. p 91
Sokolov, V. V. - Clinical observations on the manifestations of the vibration disease in riveters and locksmiths working with lead and zinc dies p 92
Savenko, N. P. - Change in the functional state of the respiratory organs in workers exposed to fibrous dust. p 94
Bakalinskaia, E. D., Savenko, N. P. - Sanitary, hygienic and physiological characteristics of working conditions in flax and hemp factories p 97
Zhirnova, G. E., Okhrimenko, A. P. - Some problems of work hygiene in the loading and unloading of porcelain kilns p 100
Dinershtein, L. I., Pozhidaeva, I. V. - Results of the analysis of disease incidence in workers in fire brick factories p. 102.
Bezukladnyi, I. P. - Decrease in the incidence of suppurative diseases at a machinery plant p 104
Kupov, I. IA. - Some problems of industrial traumatism at the Ryazan agricultural machinery plant p. 106
Klisenko, M. A. - Use of the fluorescence method for determining harmful substances in industrial sanitary chemistry. p. 108
Taradin, IA. I. - Daily regimen of schoolchildren in the city of Voronezh p. 110
Mikhailov, I. P. - Formation of a proper posture as one of the means of developing resolute qualities p. 112.
Zharskikh, M. V. - Improving the analysor function in schoolchildren by different methods and forms of aerobatic training. p. 115.
Rtishcheva, IU. I. - Results of examining the oral cavity and the teeth of children in some Voronezh kindergartens p. 118.
Aparin, V. E. - Influence of the pursuit of physical exercises on middle-aged and elderly persons p 120.

(DNLM)

VRACHEBNOE DELO [MEDICAL PRACTICE] Organ of Ministerstvo zdravookhraneniia USSR [Ministry of Health of the Ukrainian S. S. R.]. Kiev, no. 11, Nov 1963,

Table of contents translated
Shteinberg, S. IA. - Water-salt metabolism. p. 5.
Mikhnov, A. L., IAnovskii, G. V. - Graphic analysis of some sound phenomena of the heart in diastole. p. 9.
Latysh, V. N. - Diagnostic value of antistreptokinase in rheumatic fever, chronic tonsillitis and protracted septic endocarditis. p. 15.
Kliukina, S. S. - Importance of biochemical tests in heart defects of rheumatic etiology. p. 21.
Koshevskaia, L. S. - Changes in the heart in patients with rheumatoid arthritis. p. 24.
Ivantkova, Z. V. - Biochemical changes in the blood in disorders of cerebral circulation of a thrombotic nature. p. 26.
Butov, IU. L. - Pathomorphological changes in the pulmonary artery in atherosclerosis. p. 30.
Kropel'nitskaia, M. V. - Oxygen therapy of circulatory insufficiency. p. 34.
Novikova, M. N. - Pirilen treatment of hypertension patients. p. 37.
Prokhurovskii, A. I. - Development of antiantigenic properties in experimental renal hypertension. p. 39.

M[illegible]on, R. A. - Vascular tonus in women during the [illegible]tic period. p. 43

[illegible]ova, V. V. - Quantitative analysis of the initial plethysmogram and vascular reflexes to light stimulation. p. 49.

Bolkova, I. S. - Diagnostic importance of the method of intravenous cholangiocholecystography. p. 52.

Sinyavets, A. S., Butenko, G. M. - State of the hematoencephalic barrier in acute intestinal obstruction. p. 56.

Hoffskii, E. L. - Use of microwave therapy in gastric diseases. p. 59.

[illegible]shtein, B. S., Kaluzaeva, N. P. - Clinical aspects of diffuse tumors of the cerebral and spinal meninges. p. 63.

[illegible]ko, P. A. - Neurotrophic disorders of the osteoarticular apparatus in lumbosacral radiculitis. p. 65.

Lebedinskii, V. V. - Medical expertise of working capacity in arachnitis of the brain. p. 69.

[illegible]man, V. K., Gubin, N. M. - Daytime and nighttime urinary excretion of macroelements and microelements by practically healthy people. p. 74.

Alekseev, Yu. A. - Clinical aspects of nephroptosis. p. 77.

Il'inskii, Yu. A. - Antistaphylococcal immunity in schizophrenia. p. 79.

Mishchenko, I. D., Milenkova, G. S. - Chronic diseases of the liver and bile ducts following Botkin's disease. p. 84

Kravchenko, A. L. - Intracutaneous test by means of antidysenteric serum in Botkin's disease. p. 86.

Sysolyatskii, V. M. - Bactericidal properties of blood serum in typhoid fever. p. 90.

Pirozhok, V. F. - Poliomyelitis in vaccinated children. p. 93.

Vasilenko, M. A. - Plethysmography in peripheral hysterical paralysis. p. 97.

Shilinskii, D. M. - Sorption capacity of different organs in chronic poisoning by carbon monoxide. p. 100.

Berlin, [illegible]A V., and others. - Hemodynamic shifts in workers of the Kalush potassium combine. p. 104.

Gorbatiuk, A. P. - Effect of polychlorovinyl resin dust on the experiment and in industry. p. 107.

Kryzhanovskaia, M. V. - Role of industrial waste in the development of allergic diseases. p. 111.

Ivchi, I. V. - Working capacity of patients under partial hospital treatment. p. 114.

Mirovskaia, N. K. - Organization of medical care for members of a guerrilla formation. p. 116.

Bolov, N. A., Romanov, V. K. - Unique beginning of acute leukemia. p. 120.

Ol'shtynt, F. P., Koshik, T. F., Nechiporenko, V. P. - Dissecting aortic aneurysm as a result of physical overexertion. p. 121.

Sapichenko, N. F. - Comprehensive treatment of patients with acute leukemia (hemocytoblastosis). p. 123

Larina, V. S. - Activity of glutamic-oxalacetic transaminase in injuries of the myocardium. p. 126.

Arbuzov, M. I., Dushkina, V. L., Berezhnitskii, M. N. - Diagnosis of rheumatic and rheumatoid polyarthritis. p. 127.

Khrapkadov, N. I. - Serological reactions in rheumatoid arthritis and rheumatism. p. 128.

Smolik, P. G. - Seasonal fluctuations of the amount of erythrocytes and hemoglobin in the blood of hypertension patients. p. 130.

Berezov, M. I., Grigor'eva, Iu. D. - Primary fibrosarcoma of the heart. p. 131.

Umanskii, M. A., Treshchinskii, A. I., Lobodiuk, M. S. - Use of protaminesulfate in surgery with artificial blood circulation. p. 133.

Iatsiuk, N. D. - Absorption of radioactive iodine (I^{131}) by the thyroid gland when large doses of vitamin A are used. p. 133.

Il'yashenko, A. V., Babur, A. A. - Closed injuries of the liver. p. 134.

Volkov, Iu. N., Nekrasov, Iu. A. - Hemotransfusions in treating patients suffering from peptic ulcers. p. 136.

Dobychev, F. A., Lenartovich, V. A. - Sensitization to novocaine traced for ten years. p. 137.

Bykhin, A. I., Dilianskii, S. F. - Severe anaphylactic shock following the introduction of penicillin. p. 139.

Novichenko, I. N. - Allergic reactions due to the use of calgut. p. 140.

Sedoi, G. G. - Blood proteins in patients with diffuse nephritis. p. 141.

Gurevich, T. Z., Smirnova, M. V. - Acute gastric hemorrhage due to hiatal hernia. p. 143.

Gleikhover, IA. A. - About hemodermias. p. 145.

Rosengauz, D. E. - Tumor of the left temporal lobe of the brain with symptoms of an otogenous abscess. p. 145.

Frishberg, A. N. - Experimental psychological study of abstract thinking in patients with chronic alcoholism. p. 147.

Rubich, M. M. - Use of ACTH and prednisolone in diseases of the nervous system. p. 149.

Virnitskii, A. R., Panchenko, D. I. - Review of E. V. Shmidt's book "Stenosis and thrombosis of the carotid arteries and disorders of the cerebral blood circulation." p. 150.

Chaika, E. I. - "Coronary circulation of the blood and experimental myocardial infarct" by V. V. Frol'kis and others. p. 152.

Stoianovskii, A. F. - Review of "Industrial hygiene in agriculture." p. 153.

Liubarskii, IA. IU. - Review of "Infectious hepatitis." p. 154

Boris IAkovlevich Padalka. p. 156.

Legal advice. p. 157.

ZDOROV'E [*HEALTH*]. *Issued by* Ministerstvo zdravookhraneniia SSSR i RSFSR [Ministries of Health of the U. S. S. R. and the R. S. F. S. R.]. Moscow, vol. 9, no. 10(106), Oct. 1963.

Table of contents translated:

Mitereev, G. A. - *Noble goals.* p. 1,

Health Day. p. 3,

Kassil', G. N., Vaisfel'd, I. L. - Histamine and antihistamines. p. 4,

It is interesting and useful to know,... p. 6,

Kafanova, Liudmila - *Two meetings.* p. 7,

Anatol'ev, A. - Gonads. p. 9,

Kiiachko, I. A. - Vestibular apparatus. p. 10,

Teriokhin, I. I. - *Continuing our discussion,* ornithosis. p. 12,

Seliverstov, V. I. - Children's speech. p. 14,

Collective farm market, a report in pictures. p. 16,

Zhdanov, V. M. - Botkin's disease. p. 18,

Gukasian, A. G. - Prevention of typhoid fever. p. 19,

Oleneva, V. A. - Diet during kidney diseases. p. 21,

Marshak, M. S. - Wild berries. p. 23,

Khmeleva, G. - Source of cheerfulness. p. 24,

Dukhanov, A. IA. - Should tots be awakened? p. 25,

Editor's mail. p. 26,

Freidlin, S. IA. - First aid, burns. p. 28,

Smitsyn, M., Ardab'ev, V. - Meeting the dawn. p. 29,

Advice from "Zdorov'e." p. 30.

ZDRAVOOKHRANENIE [HEALTH SERVICE]. *Organ of* Ministerstvo zdravookhraneniia Moldavskoi SSR [Ministry of Health of the Moldavian S. S. R.]. Kishinev, vol. 6, no. 5, Sep.-Oct. 1963.

Table of contents translated:

Goligorskii, S. D. - Present status and tasks of urological services in Moldavia. p. 3.

Pinskii, L. Kh. - Nomenclature of urological diseases p. 6.

Golovina, E. M., Kitsis, G. N. - Methodological center at a district hospital. p. 8

Kucherova, K. V., Dolgonos, B. M. - Method of planned consultations in combined rural districts. p. 10.

Styrikovich, P. V. - Role of midwives in reducing perinatal infant mortality. p. 12

Gorbunova, N. A. - Demand of children in district center towns in specialized medical care and the methodology of its determination. p. 16

Kovanov, V. A. - Use of corticosteroids in surgery. p. 20.

Goligorskii, S. D. - Some problems of resuscitation in urology and nephrology. p. 24.

Tetradov, A. N., and others. - Results of the use of the artificial kidney apparatus in acute renal insufficiency following a septic abortion p. 28

Mastika, I. L. - Experimental data on the function of the kidneys in temporary constriction of the abdominal aorta; preliminary report. p. 32

Rozner'itsa, L. A. - Pelvic phlebography in tumors of the urinary bladder p. 35

Naku, N. F., Shoikhet, R. N. - Nonspecific pyelonephritis in renal tuberculosis p. 37.

Zisman, I. F., Brandis, F. M. - Potassium balance in oncological patients in the pre- and postoperative periods p. 40.

Dragan, V. S., Sokol, V. G. - Respiratory and blood circulation functions in disseminated pulmonary tuberculosis. p. 44

Botnar', A. L. - Effect of rectally introduced novocaine on the course of chronic colitis and secretory function of the stomach. p. 48

Sorochan, T. D. - Mechanism of the recovery of cardiac activity in the elimination of shock by rhythmic distension of the arterial walls. p. 52

Shroit, I. G. - Pathomorphology of the respiratory organs in measles. p. 58.

Efanova, K. P. - Significance of bioflavonoids in the treatment of experimental allergic arthritis p. 60.

ZDRAVOOKHRANENIE BELORUSSII [HEALTH SERVICE OF WHITE RUSSIA]. *Organ of Ministerstvo zdravo*okhraneniia BSSR [Ministry of Health of the White Russian S. S. R.]. Minsk, vol. 9, no. 3, Mar. 1963.

Table of contents translated:

Dorosinskii, A. L. - Public health in the White Russian S. S. R. in 1963, the fifth year of the seven-year plan. p. 3.

Gnilorybov, T. E., Kot, A. I. - Transplantation of the pituitary gland. p. 6.

Kniazev, M. D. - Clinical aspects, diagnosis, and surgical treatment of atherosclerotic occlusions in the aortic bifurcation and iliac arteries. p. 8.

Aleksandrovskii, IU. K. - Otogenic sepsis, from data of the Vitebsk Otorhinolaryngological Hospital. p. 13.

Dozorets, IU. L., Nikolaev, A. A. - Changes in the liver during thyrotoxicosis p. 16.

Dovgillo, G. Kh., Gorbachev, V. V. - Clinical course of influenza in Minsk during the 1961-1962 epidemic. p. 18.

Filippovich, A. N., and others. - Bacterial carriers among diphtheria reconvalescents p. 20.

Bardin, E. V. - Determination of the rheumatoid factor with the dermatol test. p. 22.

Entin, B. S. - Kidney function tests in peptic ulcer of the stomach and duodenum p. 25.

Rodina, L. I. - Changes in the peripheral blood in burn shock combined with acute radiation sickness p. 26

Gabuzova, A. N., Preobrazhenskaia, I. N. - Arteries in some bones of the facial portion of the skull in the human fetus. p. 28.

Malukhova, E. T. - Symptomatology of extrauterine pregnancy. p. 31

Kubik, D. M. - Effectiveness of the treatment of chronic alcoholism based on catamnestic data. p. 34

Odintsova, E. A. - Structural changes in the pia mater in fetuses and newborn infants in asphyxia p. 36

Izbavitelev, P. V., and others. - Hygienic evaluation of occupational training in a shoe factory. p. 38.

Korkhov, A. I., Klimel'nik, V. M. - Dispensary service *in chronic tonsillitis.* p. 40.

Meleshko, K. E. - Decrease of morbidity among workers of the Soligorsk Potassium Combine. p. 42.

Zankovich, L. A., Kats, A. I. - Pneumoconioses in electric welders p. 43.

Lysenko, V. K. - Ovarian-menstrual cycle and generative function in female employees in a number of professions. p. 44.

Sudzhaev, G. A., and others. - On the way to the elimination of diphtheria in Vitebsk Province. p. 48.

Pevzner, E. S. - Hyaluronidase therapy of chronic lupus erythematosus. p. 51.

Kashuk, M. E., Morkhat, I. V. - Technique of enucleation of the eye. p. 53.

Petrov, A. G. - Treatment of senile cataract with sodium thiosulfate. p. 54.

Rivlin, D. L. - Otogenic suppurative meningitis. p. 56.

Osadchaia, O. V. - Immediate and late results in artificial abortion p. 59.

Rakut', V. S. - Course of pregnancy and labor in women with heart diseases, from data of the Grodno Maternity Home for 7 years. p. 61.

IAkhniuk, B. I. - Early diagnosis of ascariasis of the bile ducts. p. 64.

Konigsberg, E. IA. - Pancreatoduodenectomy in cancer of Vater's ampulla and the head of the pancreas. p. 65.

Narkevich, F. V. - Extensive radical mastectomy in cancer of the breast. p. 67.

Velichenko, V. M. - Pancreatoduodenal resection in cancer of the head of the pancreas. p. 69.

Kents, V. V. - Clinical aspects and therapy of paralysis agitans and arteriosclerotic parkinsonism. p. 70.

Tesevich, I. D. - Diagnosis and therapy of epulides p. 74.

Dumaevskii, G. M. - Lesions of the liver p. 77.

Zalmanenok, V. S., Kulago, G. V. - Pulseless disease (Takayasu's syndrome). p. 78.

Lifshits, D. Z. - Traumas of the pelvis with complete avulsion of the urethra from the bladder. p. 80.

Fenchin, K. M. - Spontaneous rupture of the stomach during its acute expansion. p. 81.

Ermalinskii, A. F. - Effectiveness of gamma globulin in rheumatic fever. p. 82.

Bronovets, I. N. - Foliaceous aortic aneurysm. p. 83.

Zubovich, V. S. - Subcutaneous rupture of the duodenum in a child. p. 85.

Kosobutskaia, A. I. - Traumatic edema of the anterior capsule of the crystalline lens p. 85.

Matiugin, V. M. - Unusual case of influenza. p. 86.

Kuleshov, V. T. - Simple method for determining the pressure in anesthetic equipment. p. 88.

Mitroshenko, V. Kh. - Vascular clamp p. 89.

Shpilevskii, E. M. - Conference dedicated to the 40th anniversary of the organization of sanitary service in Gomel'. p. 91.

Dubovskii, A. - Conference of inventors and efficiency promoters of the Ministry of Public Health of the Ukrainian S. S. R. p. 92

Chalisov, M. - Review of IA. A. Kimbarovskii and F. IA. Lepp's book "Color sedimentation reaction of the urine." p. 94.

Makar Timofeevich Kudrin, an obituary. p. 95

In memory of M. A. Vasil'ev. p. 95.

ZHURNAL EKSPERIMENTAL'NOI I KLINICHESKOI MEDITSINY [JOURNAL OF EXPERIMENTAL AND CLINICAL MEDICINE]. Issued by Akademiia nauk Armianskoi SSR [Academy of Sciences of the Armenian S. S. R.]. Erivan, vol. 3, no. 4, 1963.

Table of contents translated:

Ezdanian, B. A. - Cytology and prospects of the *development of medical science* p. 3

Simonian, A. T., and others - Therapeutic action of fubromegan in peptic ulcer. p. 7.

Meerson, G Z , and others - Dynamics of stress in the myocardium in compensatory hyperfunction and insufficiency of the heart from overwork p 13.

Avakov, S N - Prevention and treatment of complications in aortal commissurotomy p 25

Nargizian, G A , Kiandarian, M S - State of the coronary circulation in patients with anemia during the process of treatment p 35

Kazazian, A V. - Dystrophy of the liver in Botkin's disease p 41

Akopian, I M - Comparative evaluation of methods for detecting allergy following the vaccination of schoolchildren with BCG vaccine p 49

Pkhikian, Zh A , Amirkhanian, S S - Conservation of bone marrow for the purposes of transplantation in radiation lesions p 57.

Karapetian, G G - Increasing the effectiveness of antituberculai vaccination in an experiment p 61

Istian, M V., Babaian, G A - Intranasal alcohol - novocaine injection in some eye diseases p 69

Kasparian, R M - Osseous form of xanthomatosis and its treatment (Hand-Schuller-Christian disease) p 77

Vartanian, L.V. - Topography of the tibial nerve in the popliteal fossa and its relation to the popliteal vessels p. 81
(DNLM)

b GYNECOLOGY, OBSTETRICS & PEDIATRICS

AKUSHERSTVO I GINEKOLOGIIA [OBSTETRICS AND GYNECOLOGY] Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 39, no 4, July-Aug. 1963

Table of contents translated:

Kaplan, A. L., Abramova, M. M., Gudkova, M. V. - Hysterosalpingography during various phases of the menstrual cycle. p. 3.

Babaian, M. Kh., Maramzikova, A. V. - Gas pelvioradiography and its combination with hysterosalpingography. p. 6.

Grlaznova, I. M. - Diagnostic value of gas pelvioradiography. p. 9.

Zavriazhin, N. M. - Peritoneoscopy as a supplementary method in the examination of gynecological patients. p. 16.

Topchieva, O. I. - Role of atypical endometrial changes (the Arias-Stella reaction) in the diagnosis of disorders in extrauterine pregnancy. p. 19.

Tumilovich, L. G. - Congenital adrenogenital syndrome in girls. p. 22.

Skorniakova, M. N. - Diagnosis and therapy of some forms of amenorrhea. p. 28.

Davydov, S. N. - Treatment of dysfunctional uterine hemorrhages in the climacteric by electrostimulation of the cervix uteri. p. 33.

Khokhlov, A. V. - Reactivity of lymph nodes in cancer of the cervix uteri. p. 38.

Kiseleva, V. N. - Regional metastatic spreading of cancer of the cervix uteri. p. 41.

Levkova, N. A., Skuba, N. D. - Sarcomas of the uterus. p. 46.

Vinikurenkova, A. I. - Compound surgical therapy of descended and prolapsed female genitalia. p. 49.

Rybkina, N. F. - Phonocardiographic characteristics in healthy pregnant women. p. 54.

Taradaiko, IU. V. - Content of copper in the bodies of the mother and fetus. p. 59.

Rasuli, Z. M. - Copper metabolism in toxemias during the second half of pregnancy. p. 63.

Guseinov, R. N., Kerimova, L. R. - Hypochromic anemia in pregnancy. p. 66.

Din IAn' [Ting Yen]. - The course of pregnancy and labor in anemia patients. p. 70.

Dashevskaia, R. Sh., Lepeshkina, A. S. - Course of Werlhof's disease in pregnancy. p. 76.

Khomiakov, IU. M., Popova, T. I. - Emergency splenectomy for uterine hemorrhage in Werlhof's disease. p. 78.

Donskikh, N. V., Ivanova, L. N. - Hyaluronidase activity of the amniotic fluid in normal pregnancy and in hydramnios. p. 79.

Lipkin, M. I. - Management of premature labor in transverse position of the fetus. p. 81.

Gofman, G. E., Ilsim, E. M. - Amniotic fluid embolism, associated afibrinogenemia and acute renal insufficiency. p. 85.

Vartapetova, V. T. - Diagnosis of the bursting of waters. p. 89.

Bakevich, K. M. - Evaluation of the method of determining the bursting of waters by detection of crystals in vaginal smears. p. 92.

Akkerman, L. I. - Changes in the fetal heartbeat during the first stage of labor; phonocardiographic study. p. 95.

Petrov-Maslakov, M. A. - Perinatal mortality and problems of the antenatal protection of the fetus. p. 99.

Matyslak, V. G., Razumovskaia, Z. I. - Birth injuries of newborn infants and their effect on their development. p. 106.

Favet, G. L., Zhvakina, T. N. - Early diagnosis of intracranial injuries in newborn infants. p. 111.

Menias, E. - New variant of suture in cesarean section with transverse incision of the lower segment of the uterus. p. 114.

Asaulnik, I. K. - Immediate results of compound therapy of gynecological patients in the Paratunka sanatorium in Kamchatka. p. 115.

Markov, A. IA., Greditor, E. M. - Clinical aspects and pathological anatomy of the Brenner tumor. p. 116.

Poliak, S. E. - Adrenal coma following excision of an ovarian cyst p. 118.

Kamionskii, N. O. - Pregnancy and labor in acromegaly. p. 120.

Davydov, L. IA., Genina, N. P. - Case of pregnancy toxemia complicated by diabetes insipidus. p. 122.

Tetneva, Z. A. - Some variations in the topography of the vessels of the cervix uteri. p. 123.

Sokolovich, G. E. - Torsion of the adnexa uteri in a 5-week pregnancy. p. 123.

Buzykin, P. F. - Combination of a progressive extrauterine pregnancy with apoplexy of the ovary and appendicitis. p. 124.

Govorov, D. A. - Unusual case of choriepithelioma developing from ovarian pregnancy. p 124.

Liberman, G. IA., Serova, T. A. - Arrest of atonic hemorrhage in three parturients by bilateral ligation of the uterine arteries. p. 429.

Malinkina, M. G. - Timely delivery complicated by an ovarian tumor strangulated in the pelvis minor. p. 126.

Abragam, K. G. - Combination of cancer of the cervix uteri with extrauterine pregnancy and paraovarian cyst. p. 127.

Berezniuk, R. M. - Some complications in labor with a giant fetus. p. 127.

Bondarchuk, G. A. - Development of subcutaneous emphysema after delivery. p. 128.

Pankova, E. V. - Acute inversion of the uterus in the postnatal period. p. 128.

Akhunov, Z. Kh. - Case of late postpartum eclampsia. p. 130.

Gertsman, V. L. - Case of compression fracture of the spine in a parturient. p. 131.

Gomeniuk, I. P. - Supernumerary mammary glands. p. 132.

Kirilakulov, G. S. - Anomalies of the umbilical arteries. p. 132.

Matokhin, V. F. - Hernias of the umbilical cord. p. 133.

Kuznetsov, V. A., Kukhtinova, R. A., Soroka, P. G. - Extensive congenital skin defects in newborn infants. p. 134.

A. B. Bartel's; on his 65th birthday. p. 136.

Preisman, A. B. - Nestor Maksimovich Maksimovich-Ambodik; on the 150th anniversary of his death. p. 137.

Zhmakin, K. N., Ostrovitianova, L. V. - Experience in the activity of the Board of the Scientific Society of Obstetricians and Gynecologists of the R. S. F. S. R. and of the local societies. p 141

Ivanitskaia, E. P. - "Effect of ionizing radiation on the sexual glands, pregnancy and intrauterine fetus" by V. I. Bodiazhina and others. p. 143.

Bartel's, A. B. - Review of H. Martius' book "Textbook of gynecology" [in German]. p. 144.

V. G. Butomo. p. 147.

M. S. Naiditch. p. 148.
(DNLM)

PEDIATRIIA [PEDIATRICS]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U. S. S. R.]. Moscow, vol. 41 [i. e. 42], no. 7, July 1963.

Table of contents translated:

Sereda, E. V., Krasavina, T. S. - Some neurohumoral reactivity indices in various forms of tuberculosis in young children. p. 3.

Rodionova, N. IA. - Some data on electrophoretic study of blood protein fractions in children with tuberculosis. p. 8.

Kuliabko, O. V., Sereda, E. V. - Histaminopixy in healthy children and in those with primary tuberculosis. p. 11.

Kondratenko, O. I. - Errors in the early diagnosis of tuberculosis meningitis in children. p. 17.

Platonova, V. A. - Segmental lung lesion in children with chronic pneumonia. p. 21.

Aneva, T. I., Ivanova, M., Damianov, TS. - Sinobronchitis in childhood. p. 24.

Chukhlovina, M. G. - Proteolytic enzyme treatment of children with chronic pneumonia. p. 26.

Lebedinskaia, T. A., Ananenko, A. A. - Significance of methemoglobinemia in the pathogenesis of oxygen insufficiency in pneumonia in children. Report No. 2. p. 32.

Bakulis, I. P., Gaujens, J. K. - Contemporary tactics of pediatricians and surgeons in treating empyema in children. p. 38.

Erenkov, V. A. - Concerning Professor A. T. Petriaeva's article "On some controversial problems in modern pediatrics." p. 40.

Oskolkova, M. K. - Functional state of the major arteries in rheumatism in children. p. 45.

Usov, I. N. - Changes in phosphorus and calcium metabolism and transformation in the bones in nephropathies in children. p. 47.

Pimenov, A. I. - Changes in the phonocardiogram in disorders of rhythm and conductivity in children with rheumatism. p. 50.

Maksimova, L. I., TSeitlin, A. G. - Basic indices of the physical development in newborn infants in Dzerzhinsk. p. 51.

Kozlov, B. V. - Uroprecipitation reaction in the diagnosis of rheumatism in children. p. 56.

Kossova, E. T. - Dynamics of blood protein fractions during corticosteroid therapy of children with the nephrotic syndrome. p. 59.

Vaisberg, A. D., Tarasov, O. F. - Case of Hamman-Rich syndrome in a 7-year-old child. p. 63.

Deshcheikina, M. F., Il'iash, N. N. - Hamman-Rich syndrome in newborn infants. p. 64.

Tiurin, N. A., Kulinich, I. A. - Spontaneous pneumothorax during an attack of bronchial asthma in children. p. 66.

Dreier, K. L., Suslennikova, E. A. - Surgical treatment of ovarian cysts in newborn infants. p. 68.

Neskorodova, A. G. - Two cases of congenital neurogenic intestinal obstruction. p. 70.

Reikhel', V. I., Liberzon, D. M. - Suppurative peritonitis as a complication of spleen infarction in septic endocarditis. p. 71.

Vaisberg, A. D., Tarasov, O. F. - Hamman-Rich syndrome (diffuse interstitial pulmonary fibrosis). p. 73.

Vinnikov, P. L. - History of the technique of examining laryngeal smears for the diagnosis of tuberculosis in children. p. 77.

Anniversary. p. 81.

Reviews. p. 83.

Brief news. p. 85.

Minutes of Moscow Society of the Pediatricians. p. 88.
(DNLM)

c. PATHOLOGY & THERAPEUTICS

AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow. Institut normal'noi i patologicheskoi fiziologii. Trudy [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R. Institute of Normal and Pathological Physiology. Transactions] Moscow, vol. 1, 1958. Problemy infektsionnoi patalogii i immunologii [Problems of infectious pathology and immunology].

Table of contents translated:

Chernigovskii, V. N. - Introduction. p. 3.

Ostryi, O. IA., Sobieva, Z. I., Aliev, A. N. - Retrograde irritations in physiology and their importance in the processes of infectious pathology. p. 8.

Ostryi, O. IA., Sobieva, Z. I. - Neural compensation in an infectious process and asymptomatic infection. p. 23.

Solov'ev, V. N. - Protective importance of neural inhibition in intoxication. p. 37.

Katsitadze, V. A. - Role of cortical mechanisms in the development of local tetanus. p. 48.

Gromova, E. A. - Changes in the electroencephalogram of rabbits in experimental tetanus intoxication. p. 55.

Gorlunova, T. I. - Changes in the frequency of respiration and the cardiac rhythm in experimental tetanus intoxication. p. 63.

Arshavskii, I. A., Rozanova, V. D. - Mechanism of phasic reactions of the heart in dogs during dysentery intoxication at different age periods. p. 69.

Akhnazarova, V. D. - Pathological changes in adrenal glands in diphtherial intoxication during drug induced sleep. p. 82.

Akhnazarova, V. D. - Changes in the medullar substance of the adrenal glands in diphtherial intoxication. p. 91.

Skvirskaia, E. A., Zel'manovich, R. IA. - Role of the nervous system in the course and the outcome of gas gangrene in guinea pigs. p. 100.

Kryzhanovskii, G. N. - Some problems of recovery. p. 110.

Monaenkov, A. M. - Relation between the reactivity of animals to the dysentery antigen and the functional state of the nervous system. p. 127.

Monaenkov, A. M. - Immunological reactivity and the typological characteristics of higher nervous activity. p. 133.

Pletsityi, D. F., Labinskaia, A. S. - Summation of immunizing stimulations in microintervals of time. p. 141.

Kucherenko, V. D., Alymov, A. IA. - Effect of nonspecific stimulations on immunogenesis. p. 146.

Labinskaia, A. S. - Role of nervous reception in the development of antitoxic immunity against tetanus. p. 151.

Kan, G. S. - One neglected aspect of the action of streptomycin. p. 156.

Nevstrueva, V. S. - Effect of the disruption of higher nervous activity on the effectiveness of antibiotic treatment. p. 170.

Popova, L. G. - Toxic effect of streptomycin on a macroorganism. p. 176.

Chernukh, A. M. - Sequelae of experimental neuritis of the vagus nerve. p. 180.

Solov'ev, V.N., Chernukh, A.M. - Therapeutic effect of novocaine block and dimedrol in experimental staphylococcal inflammation of different localization. p.196.
Esaev, V.A. - Changes in higher nervous activity in the immunization of animals with the tetanus anatoxin. p.205.

ARKHIV PATOLOGII [ARCHIVES OF PATHOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol 25, no 6, 1963

Table of contents translated:

Smol'iannikov, A.V., Naddachina, T.A. - Anomalies of the coronary arteries of the heart. p.3.
Velkan, C., Belican, Doina. - Histochemistry of the intima of the human aorta and problems of arteriosclerosis. p.16.
Lentz, F.I. - Changes in the activity of lipolytic enzymes in atherosclerosis. p.27.
Shal'nev, G.P., Teodorl, M.I. - Hemorrhages and necroses in the myocardium in excessive physical strain, clinicoanatomical studies. p.33.
Kolpikov, F.I. - Skin permeability for nickel compounds. p.39.
Gel'fon, E.A., Fedorova, V.I. - Changes in the protein fractions of the blood and histamine under the effect of amorphous and crystalline silicon dioxide, experimental research. p.45.
Teodoriev, Lubomir St. - Problem of the so-called extrarenal hyperazotemia in pneumonia; experimental research. p.53.
Pekker, G.IA. - Possibilities of determining cholinesterase activity in the blood of cadavers. p.57.
Mirotvorskaia, G.N. - Morphological changes in the brain following impaction of the cerebellum into the foramen magnum. p.62.
Ubiivskii, D.A. - Postmortem diagnosis of radioisotope lesion in man. p.67.
Sosov, P.F. - Disease as an adaptive and protective phenomenon; concerning the publishing of I.V. Davydovskii's book "Problems of causality in medicine." p.71.
Mironchik, I.N. - "A.M.A. Archives of Pathology", Vol.72, no.2, 1961 [in English]. p.74.
Sikora, R.D. - "Virchow's Archive for Pathological Anatomy and Physiology and for Clinical Medicine"; Vol.335, no.6, 1962 [in German]. p.77.
Berzina, IU.IA., and others. - Second Republic Conference of Pathoanatomists of Latvia. p.78.
Gerak, K.A. - Trip to Hungary. p.82.
Irakli IAkovlevich Tatishvili, on his 60th birthday. p.84.
Brief news. p.86.
(DNLM)

Vol.25, no.7, 1963.

Table of contents translated:

Sturm, R.D., Vikhert, A.M. - Ways of further development of pathoanatomical service in the Soviet public health system. p.3.
Gnutina, I.A. - Structure and variations of Brenner tumor. p.13.
Gubareva, A.V. - Mixed tumors of the skin. p.17.
Rafikhin, N.T. - Changes in mitochondria and activity of the oxidation-reduction enzyme series during carcinogenesis and in tumors; histochemical research. p.24.
Nadareishvili, A.E., Zantaria, G.N. - Experiments on homologous transplantation of tumors in monkeys. p.33.
Avsarkisian, S.O. - Autoimmune reactions in Botkin's disease with fatal outcome. p.37.
Danilova, K.M. - Morphological tests of the stress reaction in the human myocardium. p.42.
Karpova, N.I. - Changes in the peripheral nerve branches under the effect of vibration; experimental research. p.49.
Cheromnykh, A.A. - Changes in the capillary bed of the liver in fetuses and newborn of white rats in asphyxia. p.53.
Darmina, N.N. - Cornification of the lacunar epithelium of the tonsils. p.61.
Polushkin, B.V. - "Passive; sensitization of rabbits to egg white using the serum of white rats. p.68.
Volgareva, N.P. - Oncological diseases according to resection data of the Department of Pathological Anatomy of the First Moscow Medical Institute over a 20-year period (1939-1958). p.72.
Pekker, G.IA. - Histochemical determination of cholinesterase activity. p.80.
Sarkisov, D.S., Krymskii, L.D. - Methodology of autopsy to examine the lungs for differentiation of various forms of atelectasis. p.84.
Darkshevich, IU.N. - Medical documentation in the pathological anatomy department of a hospital. p.86.
Orlovskaia, G.V. - Review of Gy. Kiszely's book "Practical microtechnique and biochemistry." p.89.
Mironchik, I.N. - "A.M.A. Archives of Pathology"; Vol.72, nos. 3 and 4, 1961. p.91.
(DNLM)

REFERATIVNYI ZHURNAL: OBSHCHIE VOPROSY PATOLOGII ONKOLOGIIA (Otdel'nyi vypusk 53) [JOURNAL OF ABSTRACTS: GENERAL PROBLEMS OF PATHOLOGY ONCOLOGY (Separate Issue 53)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.22, Nov. 1963.

TERAPEVTICHESKII ARKHIV [THERAPEUTIC ARCHIVES]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.35, no 5, May 1963

Table of contents translated

Teodori, M.I., Vlasov, K.F. - Myocardial infarct and physical stress. p.3.
Orlov, V.N. - Clinical and electrokymographic parallels in patients with cicatrical changes following myocardial infarct. p.10.
Khetagurov, A.D. - Changes in the calcium and inorganic phosphorus of the blood in patients with acute myocardial infarct developing after coronary thrombosis. p.15.
Britov, A.N. - Significance of some indices of protein and lipid metabolism for the differential diagnosis of forms of coronary insufficiency. p.21.
Bart, B.IA. - Significance of determining the activity of glutamic oxalacetic transaminase, aldolase and C-reactive protein for the differentiation of macro- and microfocal myocardial infarct and stenocardia. p.28.
Slidovich, S.Kh. - The status of external respiration in acute myocardial infarct. p.34.
Smetnev, A.S., Makarova, N.A., Polikarpova, E.G. - Cases of hemorrhagic complications following the use of anticoagulants in myocardial infarct. p.39.
Kenedi, I. - Prolonged anticoagulant therapy in cardiovascular diseases. p.44.
Kilinskii, E.L., Egart, F.M. - Study of coronary blood circulation in diabetes mellitus (ECG dynamics over a 24-hour period). p.46.
Ostapiuk, F.E. - Clinicoelectrocardiographic indices in poisoning with cardiac glycosides and the effect of potassium chloride. p.51.
Beliaeva, R.A. - Evaluation of the state of the blood circulatory system in mitral stenosis based on gas exchange data. p.60.
Ivanitskaia, M.A., Lebedeva, I.N., Khomutova, M.G. - X-ray cinematography in the diagnosis of mitral valve insufficiency. p.65.
Kozlov, G.S. - Clinical significance of the analysis of the heart contraction phase in rheumatic fever. p.71.
Batsevich, A.A. - Significance of determining the diphenylamine reaction for detection of the activity of the rheumatic process. p.78.
Riabov, S.I., Shcherba, M.M., Roshchina, G.M. - Pathogenesis of anemia in rheumatoid arthritis. p.82.
Kaluzhenko, R.K., Novitskii, V.E. - Immunopathology of infectious nonspecific polyarthritis. p.87.
Pleinev, V.M. - Ballistocardiographic table with dual damping; methodology of ballistocardiography. p.89.
Smol'iannikov, A.V. - Nosology, nomenclature and statistical recording of myocardial infarct. p.91.
Radbil', O.S. - Concerning the problem of nosology, nomenclature and statistical recording of myocardial infarct. p.93.
Guglin, E.R. - Recording and analysis of myocardial infarct. p.97.
Ryvkin, B.A., Ryvkina, F.Z. - Statistical recording of myocardial infarct. p.100.
Shul'tsev, G.P. - Reply to the remarks on our article "On the problem of nosology, nomenclature and statistical recording of myocardial infarct." p.101.
Eliguiashvili, K.I. - Methodology of teaching propedeutics of internal diseases; concerning Professor N.N. Shamarin's article in issue No.11, 1962, of the periodical "Terapevticheskii arkhiv." p.104.
Zykov, A.V. - Doctor dissertations approved by the High Commission for Certification in December 1961. p.106.
Gusman, S.M. - Impressions of the Czechoslovakian Medical Congress. p.109.
Mikushkin, M.K. - All-Union Conference of Cardiologists. p.110.
Shulutko, I.B. - Second Scientific Conference of Therapeutists of the Northwest Provinces of the R.S.F.S.R. p.113.
Bainskii, I.F., Semendiaeva, M.E., Tareeva, I.E. - The 15th Scientific Session of the D.I. Ivanovskii Institute of Virology of the Academy of Medical Sciences of the U.S.S.R. dedicated to the problem of infectious hepatitis. p.114.
(DNLM)

VOPROSY ELEKTROPATOLOGII, ELEKTROTRAVMATIZMA I ELEKTROBEZOPASNOSTI [PROBLEMS OF ELECTROPATHOLOGY, ELECTROTRAUMATISM, AND ELECTRICAL SAFETY MEASURES] Issued by Institut klinicheskoi meditsiny Akademii nauk Kirgizskoi SSR and Sektsiia elektrobezopasnosti TSentral'nogo pravleniia Nauchno-Tekhnicheskogo obshchestva energeticheskoi promyshlennosti [Institute of Regional Medicine of the Academy of Sciences of the Kirghiz S.S.R. and the Section for Electrical Safety Measures of the Central Administration of the Scientific Technological Society of the Power Industry] Frunze, no.3, 1962.

Table of contents translated:

Solodovnikov, G.S. - Present status of the problem of the danger of high-frequency currents. p.5.
Mishchenko, I.K. - Constancy of the intensity of alternating current (50 hertz) causing ventricular fibrillation in dogs under different natural altitudinal conditions. p.23.
Stegailo, E.A., Fedorova, L.I. - Tolerance of mice of different ages to the action of alternating electric current. p.45.
Milev, Trifon Iv. - Electrotraumatism, according to materials of the Pirogov Institute of First Aid for 1952-1956. p.51.
Pakhomov, A.F. - Comparative danger of alternating currents of different frequencies. p.61.
Bekturganova, N.S. - Possibility of indirect massaging of the heart for the resuscitation of persons injured by electric current. p.71.
Eskin, V.IA., Klimov, A.M. - The DPA-3 defibrillizer. p.75.

VOPROSY KLINICHESKOI PATOLOGII [PROBLEMS OF CLINICAL PATHOLOGY] Issued by Moskovskii oblastnoi nauchno-issledovatel'skii klinicheskii institut [Moscow Province Scientific Research Clinical Institute]. Moscow, no.2, 1961. Opukholi, leikozy [Tumors and leucoses].

Table of contents translated:

Popova, N.A. - Characteristic course of brain tumors in elderly persons. p.5.
Makhov, N.I. - Surgical treatment of tumors of the spinal cord. p.10.
Krestovnikova, T.S. - Clinical aspects of "hourglass" tumors of the spinal cord. p.18.
Bazhenova, A.A. - Tomography in the treatment of tumors of the spinal cord. p.24.
Chistiakova, V.I. - Clinical aspects and diagnosis of sympathogonioma in children. p.30
Koretskaia, IU.M. - Clinical aspects and morphology of malignant melanomas of the choroid according to data from the MONIKI eye clinic. p.38.
Svetlakov, M.I., Pinegina, N.L. - Development of sonorous speech following complete laryngectomy in patients with cancer. p.46
Kutukova, E.A. - Tumors of the anterior mediastinum. p.52.
Santatur, M.A. - Surgical treatment of gastric cancer in a district hospital. p.61.
Kun, N.N. - Some clinical aspects of sarcomas of the jejunum and ileum. p.69.
Govzman, S.G. - Method of X-ray examination of the upper part of the stomach in the case of tumors. p.81.
Fedotov, P.D. - Changes in the rectosigmoid part of the large intestine in tumors and inflammatory diseases of the true pelvis. p.91.
Shuvaeva, V.I. - Cancer of the pancreas according to data from MONIKI surgical clinics. p.103.
Astakhina, V.G. - Tumors of the renal pelvis. p.109.
Idel'son, L.A. - Supplementary method of examination in X-ray diagnosis of kidney tumors. p.123.
Gurvich, I.A. - Retropneumoperitoneum in the diagnosis of renal and abdominal neoplasms. p.136.
Klepikova-Troitskaia, T.M. - X-ray treatment of malignant tumors of the testicle in cryptorchism. p.154.
Klepikova-Troitskaia, T.M. - X-ray treatment of so-called giant cell tumors. p.161.
Bazhenova, A.A. - Clinical and roentgenological characteristics of metastases of colloidal goiter into osseous tissue. p.173.
Artamonova, L.M. - Treatment of hemangioma with alcohol injections in an out-patient clinic. p.181.
Nikiforova, E.I. - Role of fluoroscopic examination in the determination of lung cancer in textile workers of the Orekhovo-Zuyevo Cotton Combine. p.187.
Fedotov, P.D. - Clinical and roentgenological characteristics of tumors of the abdominal cavity. p.201.
Dedikova, L.A., IUdin, IU.G. - Diagnosis and clinical aspects of tumorlike forms of leukemia in children. p.213.
Gurevich, M.A., Il'ich, O.V. - Focal changes in the myocardium in certain diseases of the blood. p.223.
Kalugina, L.T. - Active therapy in chronic lympholeukemia. p.232.
Fomin, G.B. - Changes in the bone structure in certain children's diseases; 1st report in leukemia. p.236.

Kravchenko, A. A., and others. - Clinical and morphological changes in the ear, nose and throat in reticulosis with a tumorlike growth p. 244

Kruglunov, V. IA., Golemba, P. I., Odinokova, V. A. - Clinical and pathomorphomic symptoms and course of reticulosis of the skin p 252.

Vainberg, S. B., IUdin, IU. G., Antipov, B. V. - Leukemoid reactions in tumorlike diseases. p. 237

Voronkova, O. I., and others - Morphological changes in the chorion-allantoid membrane of chick embryos in blood cultures from leukemia patients p 263

Kalugina, L. T. - Clinical characteristics of leukemia according to MONIKI data. p 272

Kagramanov, S. V., IUdin, IU. G. - Thrombopenic anemia with erythroblastosis in gastric cancer with metastases into the bone marrow p. 285. (DNLM)

*VOPROSY ONKOLOGII [PROBLEMS OF ONCOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.] Moscow, vol 9, no. 7, 1963.

Table of contents translated

Chernov, V. A., Volodarskaia, S. M. - Anti-tumor activity of allylamides and ethyleneimides of phosphoric and thiophosphoric acid. p. 5

Kondrat'eva, A. F. - Changes in the biological properties and morphology of the transplantable strain of rabbit sarcoma during 100 generations p. 11

Krotkina, N. A., Achkasova, M. A. - Late tumors in dogs following the introduction of chemical carcinogens into bones p. 15

Mel'nikov, R. A., Kondrat'eva, A. F. - Dynamics of roentgenological changes in the maxilla in rabbits during the development and growth of induced tumors p. 21

Serzhanin, I. P. - Effect of methacil on the growth of transplantable tumors p. 33

Marmur, R. K. - Study of eye melanoblastoma in tissue cultures p. 36

Chernichenko, V. A., Kralich, N. M. - Stimulating effect of thesane and pentoxyl on the growth of transplantable tumors p. 41.

Dymarskii, L. IU., and others - Combined hormone and chemotherapy and radiotherapy of far advanced breast cancer. p. 44.

Kevesh, L. E. - Roentgen cinematography in the study of esophageal pneumorelief in cancer p. 52

Chupin, I. IA. - Use of radioactive colloidal gold in carcinomatosis of the pleura and peritoneum p. 56

Beiglezov, M. A. - Fibrous bone dysplasia, data from a pediatric orthopedic and traumatologic clinic p. 63

Kalumova, R. E. - Prognostic significance of data from a cytological study of vaginal smears in uterocervical cancer p. 71

Berman, N. A., Kaganskii, V. E. - Value of tomography in the diagnosis of prostatic tumors p. 79

Dvoirin, V. V. - Data on skin cancer morbidity in the Karelian A.S.S.R. p. 85.

Shul'man, M. S. - Mastopathy in a man with pathological excretions from both breasts p. 91.

Kosareva, A. N. - Mesodermal tumor of the body of the uterus originating ten years after radiotherapy of uterocervical cancer p. 93.

Tytar', G. M. - Case of plastic surgery of the floor of the mouth, larynx and esophagus after extensive laryngectomy for cancer p. 96.

Aksel'dorf, A. L. - Epididymal fibroma. p. 99.

Fedushin, M. P. - Causes of mortality following radical surgery in stomach cancer, data of the Oncological Institute of the Academy of Medical Sciences of the U.S.S.R. p. 102.

Khint, E. K. - Cancer of the uterocervical stump after supravaginal amputation for fibromyoma. p. 111.

Minutes of the Scientific Society of Moscow and Moscow Province Oncologists for Meeting No. 76 on September 27, 1962

Minutes of the Scientific Society of Leningrad and Leningrad Province Oncologists for Meeting No 74 on January 3, 1963. p. 120

Poliakov, L. E., Malinskii, D. M. - "Statistical study of malignant neoplasms" by A. M. Merkov, A. V. Chaklin p. 123. (DNLM)

f PHARMACY & MATERIA MEDICA

*ANTIBIOTIKI [ANTIBIOTICS]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 7, no. 10, Oct. 1962.

Table of contents translated:

Teteriatnik, A. F., Alikhanian, S. I., Oleneva, Z. G. - Study of the natural variability in "transactive" phage-resistant variants of producers of streptomycin. p. 859.

Fgorov, N. S., Ushakova, V. I. - Conditions for the formation of novobiocin from an Actinomyces spheroides culture. Development of a synthetic medium and a study of the effect of some nitrogen and carbohydrate sources on the biosynthesis of the antibiotic p. 863

Popova, L. A., Stepanova, N. E. - Effect of fats on the formation of nystatin from a highly productive strain of Str. noursei p 868.

Ukholina, R. S. - Formation of heliomycin from an Act flavochromogenes var heliomycini culture p. 874

Fuikova, Ja., Mikeš, O., Šorms, F. - Isolation of a biologically active component of albomycin in pure form and its thermal degradation. p. 878

Goldberg, L. E., and others - Experimental study of the antitumor activity and effect on the body of antibiotic 323/58 p 884.

Aleksandrov, P. N., Tolmacheva, N. S., IUshchenko, N. A. - Effect of temperature factors on the concentration of tetracycline in the blood and organs of white rats p 888.

Kivman, G. IA. - Differences in the effectiveness of antibiotics of the tetracycline group with special reference to their uptake in the intestines. p 891.

Storozhev, I. A., Eidel'shtein, S. I., Vers, R. A. - Pharmacology of framycin sulfate p 896.

Chentsov, B. V. - Antimicrobial action of the tissues of Ctenophora Bruce cucumis Fabr. p 900.

Kuz'mina, L. G. - Formation of streptomycin-resistant variants of Gartner's bacillus in the organism of an animal. p 902.

Kremlev, G. I. - Action of antibiotics on the pathogen of tetanus in experiments in vitro and on animals. p 907.

Semenov, L. F. - Use of streptomycin in the prevention of acute radiation sickness p. 912

Braude, A. I., Krasnova, I. N. - Action of polymyxin M in experimental dysenteric intoxication p. 916

Godun, V. M. - Therapeutic effectiveness of albomycin and colimycin administered alone and in combination on a model of Shigella keratoconjunctivitis. p 920.

Solov'ev, V. N., Balyn', I. R. - Antimicrobial action of penicillin and colimycin in infected lymph nodes in white rats. p 921

Kleiner, G. I., Ionova, N. V. - Effect of water on the solubility of nystatin in lower alcohols p. 926

Askarova, S. A., Ioffe, R. IA. - Possibility of the use of the fungicidal antibiotic trichothecin in the control of cotton wilt p. 929.

Doroshchuk, V. P. - Antibiotic therapy in infectious bacterial pulmonary processes in poliomyelitis with respiratory disorders. p 931.

Brazhorodov, A. M. - Metabolism of nitrogen-containing substances in Actinomycetes. p. 936

Ebert, L. IA. - Review of the book "Manual of pharmacology," edited by N. V. Lazarev. p 948

REFERATIVNYI ZHURNAL: FARMAKOLOGIIA. TOKSIKOLOGIIA (Otdel'nyi vypusk 54) [JOURNAL OF ABSTRACTS PHARMACOLOGY, TOXICOLOGY (Separate Issue 54)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no 23, Nov 1963.

g PUBLIC HEALTH & NURSING

AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow. Institut gigieny truda i professional'nykh zabolevanii. Trudy [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R. Institute of Labor Hygiene and Occupational Diseases. Transactions]. Moscow, no. 1, 1960.

O biologicheskom vozdeistvii sverkhvysokikh chastot [Biological effect of superhigh frequencies].

Table of contents translated:

Foreword. p. 3.

Gordon, Z. V. - Problem of the biological activity of SHF. p. 5.

Knorre, V. G. - Parameters of SHF fields determining the hygienic evaluation of working conditions and the problems of their measurement. p. 11.

Gordon, Z. V. - Hygienic evaluation of working conditions with SHF generators. p. 22.

Drogichina, E. A. - Clinical aspects of a chronic SHF effect on the human organism. p. 29.

Sadchikova, M. N. - State of the nervous system under the effect of SHF. p. 32.

Orlova, A. A. - Clinical aspects of changes in the internal organs under the effect of SHF. p. 36.

Belova, S. F. - Effect of SHF on the organ of vision. p. 41.

Sokolov, V. V., Arlevich, M. N. - Changes in the blood under the effect of SHF on the organism. p. 43.

Gol'fon, I. A., Sadchikova, M. N. - Protein fractions and blood histamine under the influence of SHF and HF. p. 46.

Smirnova, M. I., Sadchikova, M. N. - Use of radioactive iodine for the determination of the functional activity of the thyroid gland in those working with SHF generators. p. 50.

Lobanova, E. A., Gordon, Z. V. - Study of the olfactory sensitivity in persons following the effect of SHF. p. 52.

Gordon, Z. V., Lobanova, E. A. - Thermal reaction in animals under the effect of SHF. p. 59.

Lobanova, E. A. - Survival and development of animals under various intensity and length of SHF influence. p. 61.

Gordon, Z. V. - Study of the blood pressure in rats under the effect of SHF using the bloodless method. p. 65.

Labanova, E. A., Tolgskaia, M. S. - Changes in the higher nervous system and interneuronal junctions in the cerebral cortex of animals under the effect of SHF. p. 69.

Kitsovskaia, I. A. - Study of correlations between the basic neural processes in rats under the effect of SHF of various intensity. p. 75.

Nikogosian, S. V. - Effect of SHF on the cholinesterase activity in the blood and organs of animals. p. 81.

Belova, S. F. - Changes in the electrotonometric curve in rabbits under the effect of SHF. p. 86.

Tolgskaia, M. S., Gordon, Z. V., Lobanova, E. A. - Morphological changes in experimental animals under the effect of pulse and continuous SHF. p. 90.

Tolgskaia, M. S., Gordon, Z. V. - Changes in the receptor and interoceptor apparatus under the effect of SHF. p. 93.

Delitskii, B. M., Knorre, K. G. - Protection from radiation in working with SHF generators. p. 107.

Recommendations for conducting preliminary and periodical medical examinations of those working with sources of SHF. p. 118.

Temporary sanitary regulations for working with SHF generators. p. 121.

Temporary instruction for the methods for measuring the density of the flow of microwave power at work sites. p. 125.

Bibliography. p. 128.

[MICROFILM]

FEL'DSHER I AKUSHERKA [FELDSHER AND MIDWIFE] Issued by Ministerstvo zdravookhraneniia SSSR and Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the U.S.S.R. and Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 28, no. 8, Aug. 1963.

Table of contents translated

Borisovets, L. F. - Work at the feldsher and obstetrical center with the objective of decreasing the incidence of disease p. 3

Kundiev, IU. I., Podliniaeva, M. E. - Individual protection in agricultural work involving poisonous chemicals. p. 6

Diemova, V. P. - Flies and their control p. 9.

Marshak, M. S. - Diet of hypertension patients. p. 14.

Khromov, B. M. - Hernias, their treatment and prophylaxis. p. 19

Kissin, A. G. - Foreign bodies in the esophagus p. 22

Alekseev, G. A. - Changes in the oral cavity in systemic diseases p. 26

Atlas, IA. E. - Desquamative erythroderma in newborn infants (Leiner's disease) p. 29.

Nikol'skaia, A. A. - Septicopyemia following criminal abortion p. 32

Matsuev, A. I. - Side effects of aminazine. p. 35.

Petrun', N. M. - Role of respiration through the skin p. 37

Petrunin, V. D. - Vaccinated milkmaid as a source of the development of cowpox p. 39.

Shumskii, K. D. - Poisoning of children with the seeds of poisonous plants. p. 40

Iozhitsa, N. A., Albulov, N. A. - Means of the further development of public health in rural localities p. 42.

Akkerman, B. I. - Method of examining the pharynx in children. p. 46.

Lishina, A. K., Lishin, O. V. - Those who were the first to die p. 48

Barkhatova, T. P. - Hydatid mole; reply to obstetrical problem No 3. p. 53

Balasanian, A. B. - Feldsher and civic worker p. 56.

New books p. 58

Book reviews. p. 58.

Vol. 28, no. 11, Nov. 1963.

Table of contents translated:

Petrov, B. D. - Strengthening ideological work. p. 3.

Iozhitsa, N. I. - First aid health centers in a village. p. 6.

Kolosov, G. N. - Valuable beginning (work of the Bureau of Medical care). p. 13.

Porvatova, O. M. - Inviting the community to assist in carrying out sanitary measures. p. 15.

Krivogiaz, B. A. - Side effect of antibiotics. p. 21.

Tumanian, A. T. - Vulvovaginitis in girls. p. 24.

Levit, V. G. - Paranoid schizophrenia and its treatment. p. 30.

Shelonina, P. N. - Our experience in sanitation work. p. 34.

Shovtsova, A. A. - Transfer of the simplest functions of sanitary inspection to the community. p. 37.

Dalin, I.K. - Organization of an extensive active sanitary group for the assumption of some control functions. p.40.
Stonimskaia, I.A. - Subprofessional medical workers in the years of the revolutionary movement and the days of the Great October. p.42.
Mirskii, M.B. - Feldsher journals on the eve of and following the victory of the Great October Socialist Revolution. p.45.
Svetlakov, A.G. - Vera Mikhailovna Velichkina (Bonch-Bruevich). p.51.
Radzevich, A.N. - Discuss the communist principles in training students of medical schools. p.54.
Honorary workers. p.58.
New books. p.60.
Book reviews. p.61.
Brief news. p.63.

GIGIENA TRUDA I PROFESSIONAL'NYE ZABOLEVANIIA [LABOR HYGIENE AND OCCUPATIONAL DISEASES] Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol 7, no.1, Jan. 1963.

Table of contents translated

Tasks of the journal "Gigiena truda i professional'nye zabolevaniia" in 1963 p.3.
Andreeva-Galanina, E.Sh., Kupova, N.I. - Materials on the pathogenesis of the vibration disease. p.4.
Balkovskaia, Z.M., Koriukaev, Iu.S. - Use of the vibration stimulus in the detection of some functional shifts in workers exposed to vibration in industry. p.9.
Pokrovskii, N.N. - Hygienic evaluation of noise in subterranean work in the coal mines of the Lvov-Volyn' Basin and its influence on the hearing of the workers. p.14.
Apel', Ia.A. - Materials on the problem of silicosis control in the mines of Chita Province. p.18.
Zolina, Z.M., Moiktin, Iu.V. - Evaluation of the stress of work. p.23.
Gorshkov, S.I., Kaliuina, N.P. - Physiological and hygienic characteristics of the conditions, the working regime and the rest periods of female spinners. p.29.
Getz, L. - Water and salt metabolism in thermal dehydration. p.30
Krapchina, E.P., Kochetkova, T.A., Orlova, A.A. - Clinical aspects of pneumosclerosis of mixed etiology (beryllious and silicosis). p.41.
Belikikh, G.A. - Role of the physicians of the Moscow Government Zemstvo in organizing native industrial hygiene and industrial sanitation p.44
Filatov, G.P. - Occupational diseases of the skin in workers of the radio-receiver sets industry. p.49.
Bogdanova, E.K., Romanova, K.I., Shmakov, A.D. - Organization of pyodermatitis control in industry p.50.
Galinkin, A.A. - Occupational dermatitis caused by aminazine p.51.
Tiukina, A.P., Veshchagin, Iu.A. - Occupational diseases of the hand and arm in locksmiths and assembly men of a furniture factory. p.53.
Dolgov, A.P., Bruevich, T.S., Anton'ev, A.A. - First All-Union Symposium on Urgent Problems concerning Occupational Dermatology p.56
Spasskii, S.S. - Scientific Session on the Work Results of the Hygienic Departments of the First Moscow Medical Institute. p.58.
Grusiko, Ia.M. - Review of the collection of abstracts for 1960: "Industrial hygiene and occupational diseases in Czechoslovakia." p.59.
Ekhviart, Kh.A. - Apropos N.I.Volkova's article "Hygienic characteristics of some cases of the use of radioactive isotopes at blast-furnace plants. p.60
N.I Volkova's answer to Kh.A.Ekhviart's comments. p.60
Brief news. p.61.
(DNLM)

FEL'DITSINSKAIA SESTRA [MEDICAL NURSE]. Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol.22, no.10, Oct. 1963.

Table of contents translated:

Izmerov, N.F. - Put emphasis on communist work. p.3.
Nakina, V.A. - Implementation of the seven-year plan for the development of the network and growth of the personnel of public health agencies and institutions of the R.S.F.S.R. p.5.
Kamaev, M.F. - Infected wound and its treatment. p.7.
Mukhin, M.V. - Burns on the face and the neck. p.13.
TSerenisian, D.M. - Prevention of and first aid in chemical burns. p.19.
Pilikh, D.P. - Suppurative diseases of the fingers in industry and their treatment and prophylaxis. p.21.
Mikhel'man, M.D. - Deforming spondylosis. p.26.
Skobelkin, O.K. - Surgical complications in ascariasis. p.30
Khrustalev, A.A. - Medical gymnastics for patients suffering from lung diseases and treated by surgery. p.32.
Zaidel', I.B. - Outpatient service for surgical patients. p.36.
Levin, M.I. - Asepsis provided at medical centers p.38
IAkushev, S.S. - Work of an anesthetist. p.43
Pashchuk, A.Iu., Kal'chenko, Iu.R. - Errors and complications in endotracheal anesthesia and their prophylaxis. p.47
Shepotinovskii, V.I. - Role of subprofessional medical personnel in the prevention of complications in blood transfusion. p.50
Pozdeeva, K.P. - Belt for patients following surgery on the abdominal cavity p.52.
Sokolov, I.S. - Method of fixing the peripheral end of the rubber tube introduced into the stomach p.53.
Svetlov, S.I. - Use of Chaikovskii's solution in microtraumas at a diesel locomotive plant. p.54.
Smirnova, V.A. - Round-the-clock surgical service at the traumatological center of the Donetsk Municipal First Aid Station. p.55.
Kosul'nikova, G.M., Smirnov, G.A. - Surgical gauze helmet-mask p.56
Popovskii, A. - Sergei Sergeevich Iudin. p.57.
Dedicated nurses. p.60.
Book reviews. p.61.

Vol.22, no.11, Nov. 1963.

Table of contents translated:

Mezhebovskii, R.G. - Treatment of prophylaxis of cardiac insufficiency p.3.
IUrenev, P.N. - Present methods for the prevention and treatment of heart defects p.8.
Molchanov, N.S. - Hypotensive states. p.11
Chernogorov, I.A. - Disorders of the cardiac rhythm p.15.
Ar'ev, M.IA. - Cardiac asthma. p.20.
Andriukin, A.A. - Coarctation of the aorta p.23
Berezov, Iu.E., Rabotnikov, V.S. - Surgical treatment of vascular diseases. p.28
Sigidin, IA.A. - Rheumatic fever p.33.
Levi, V.E. - Rheumatic diseases of the nervous system (neurorheumatism) p.39
Strakhov, S.N. - Study of electroencephalographic data in surgery on the heart. p.41.
Klammer, M.E. - Apparatus for artificial blood circulation p.44
Pushkarev, A.P. - Medicinal plants and their use p.51
Shakhov, T.G. - Oliguriside p.55
Dedicated nurses. p.55.
Nurses' councils p.57.
TSyn, A.M. - Nurses' problem in the U.S.A. and England p.59
Book reviews. p.61.
Potemkina, A.A. - Always on the way to new discoveries; on the 60th birthday of V.V.Parin, active member of the Academy of Medical Sciences of the U.S.S.R. p.62.

VOPROSY BOR'BY S SILIKOZOM V SIBIRI [PROBLEMS IN THE CONTROL OF SILICOSIS IN SIBERIA]. Issued by Institut gornogo dela Sibirskogo otdeleniia Akademii nauk SSSR and Sibirskaia komissiia po bor'be s silikozom [Institute of Mining of the Siberian Department of the Academy of Sciences of the U.S.S.R. and the Siberian Committee for the Control of Silicosis]. Novosibirsk, no.1, 1961. Veshchestvennyi sostav pyli i bor'ba s nei na predpriiatiiakh gornoi promyshlennosti [Material composition of dust and its control in enterprises of the mining industry].

Table of contents translated

Introduction. p.3.
Prikhod'ko, P.T. - Some results and problems of silicosis control in the Siberian mining industry. p.6.
Senderzon, E.M. - Trends in the study of silicosis danger from the Kuznetsk Basin rocks. p.15.
Travin, A.B. - Facies types of coal of the Balakhonka series in the Kuznetsk Basin and the material composition of their dust. p.19.
Daev, Kh.A. - Study of silicosis danger from mine dust in the Kuznetsk Basin. p.39.
Shugurov, V.F. - Quartz in the coal of the Kuznetsk Basin. p.46.
Shugurov, V.F. - Mineral admixtures of the allothogenic group in some coals of the Kuznetsk Basin. p.49.
Ratushkov, M.I., Ontin, E.I. - Results of the work of the Eastern Scientific Research Institute on Dust Control. p.53.
Baronskii, I.V. - Dust control in the newly constructed mines of the "Kuzbassshakhtostroi" Combine. p.65.
Semenov, L.I. - Effectiveness of quenching dust in drilling with the BA-100 units. p.71.
Mikhailov, P.G. - Dust control in mine filling. p.75.
Al'perovich, V.IA. - Binding dust by spraying weak solutions of calcium chloride aerosols. p.83.
Firsov, V.F. - State of silicosis control in the mines of Krasnoyarsk Territory p.89.
Arnol'di, I.A. - Dust in the air and its control in the mining enterprises of Noril'sk. p.93.
Korzun, A.P. - Some results of dust control at the enterprises of the All-Union State West Siberian Gold-Mining Trust p.99.
Petrov, I.P. - Dust control in permanently frozen rocks. p.105.
Petrov, I.P. - Practical design of dust collectors for dry collecting of dust in mine boring. p.113.
Sushchinskaia, L.IA. - Dust in the air in the workshops of the Likuisk Mica Factory p.119.
Bibliographic index of literature on the prophylaxis of pneumoconiosis in miners of Siberia. p.123.
(DNLM)

h SURGERY & DENTISTRY

KHIRURGIIA [SURGERY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol 39, no 7, July 1963.

Table of contents translated:

Editorial. p.3
Ivanov, V.A. - Wound and surgical infection Report No 1. p.4
Radushkevich, V.P., and others - Use of new Soviet ganglionic blocking preparations in surgical practice p.13.
Kuzin, M.I., Sachkov, V.I., Kiseleva, N.V. - Use of viadril in clinical practice p.19
IUrevich, V.M. - Pros and cons of fluothane anesthesia p.25
Erlvantsev, N.A. - Selection of anesthesia in elderly and senile persons p.33
Ostrovskii, V.IU., Alekhina, R.G. - Electroencephalography in superficial fluothane anesthesia p.39.
Dol'nikov, N.A. - Combined action of various ganglionic blocking preparations in establishing a cholinergic block in anesthesia p.43
Natsvlishvili, G.A., Kazarov, I.L. - Therapeutic anesthesia in the treatment of thyrotoxic goiter p.49.
Egorov, I.V. - Possibility of using chloroform in current anesthesiological practice. p.54
Golovanov, R.V. - Changes in the circulating blood volume in operations on the stomach under intratracheal ether and oxygen potentiated anesthesia p.62
Gavriushov, V.V., Frantov, R.B. - Postoperative anesthesia in surgery of newborn infants and nursing infants; preliminary report. p.67.
Geshelin, S.A. - Is subarachnoid introduction of caffeine in apnoea during high cerebrospinal anesthesia p.71
Ostapenko, G.I. - Relation of the ether concentration in the venous blood to the electroencephalographic curve in ether-oxygen and nitrous oxide-ether-oxygen anesthesia during heart operations. p.74
Mil'ner, E.G. - Reflex arrest of cardiac activity during anesthesia p.80
Pikaleva, V.IA., Kotomina, G.L. - Use of gas anesthesia in the analgesic stage for the treatment of massive postoperative pulmonary atelectasis. p.82.
Bol'shagin, V.V., Vikhrieva, M.P. - Clinicopharmacological evaluation of andaxin premedication in surgical interventions under local anesthesia. p.86
Zhuravleva, N.I. - Experience in the use of peridural anesthesia. p.93.
Rumiantsev, V.B. - Anesthesia in hemorrhagic gastric and duodenal ulcers p.99.
Shkrob, O.S., Pomelov, V.S. - Hazards and complications in special examination of lung diseases p.106.
Chervinskii, A.A. - Mediastinotomy in suppurative posterior mediastinitis p.112
Kochetkova, A.G. - Angiopulmonography in the diagnosis of the middle lobe syndrome. p.115.
Shapiro, IU.V. - Use of intratracheal anesthesia with muscle relaxants in severe injury under conditions of emergency surgical treatment. p.121.
Ariaev, L.N. - Modification of mask anesthesia. p.122
Fishchenko, A.IA. - Allergic reaction after a single injection of streptomycin p.124.
Belavin, L.V. - Treatment of obliterating endarteritis and obliterating atherosclerosis by a compound conservative method. p.125.
Anakhasian, V.R., Ostrovskaia, I.M., Fokina, A.A. - Case of atresia of the inferior vena cava. p.127.
Shmidt, I.Z. - Unusual case of severe combined injury with subcutaneous rupture of the trachea from the larynx. p.128
Rudin, E.P. - Case of surgical treatment of a pulsating arteriovenous hematoma of the common carotid artery. p.131.
Ivanov, V.V. - Function tests for the recognition of insufficiency of the deep veins of the lower extremity. p.132.

Ivanov, V.A., Molodenkov, M.N. - "General surgery" by V.I Stuchkov. p 134.
Kulik, P.P - "Surgical anatomy of the fascias and cellular spaces in man" by V V Kovanov, T.I. Anikina. p 136
Ostroverkhov, G.E , Ostrovskaia, L S. - Prospects in publishing surgical literature p 139
Nikolaev, O.V - Problems of Surgery on the Endocrinal Glands at the 41st Congress of Polish Surgeons p 144
Minutes of the Surgical Society of Moscow and Moscow Province for meetings Nos.1756 and 1757
(DNLM)

LVOV. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PERELIVANIIA KROVI I NEOTLOZHNOI KHIRURGII. (Sbornik trudov) [SCIENTIFIC RESEARCH INSTITUTE FOR BLOOD TRANSFUSION AND EMERGENCY SURGERY. (Papers)]. No 4, 1960. Gipoplasticheskie i aplasticheskie sostoianiia krovetvornoi sistemy [Hypoplastic and aplastic states of the hemopoietic system].

Table of contents translated

Foreword. p.3.
Martynov, S.M. - Myeloaplastic syndrome p.5
Kurii-Sinilchuk, Kh.V - Experimental immune agranulocytosis. p.21.
Kurii-Sinilchuk, Kh V - Leukolytic serum properties in patients with agranulocytosis and granulocytopenia. p 31
Vygovskaia, IA I - Pathogenesis of hemorrhagic diathesis in hypoplastic and aplastic states. p.35.
Novosad, N A - Comparative evaluation of the results of an antiglobulin test in a classic arrangement and its modifications with a prepared antigen p 44
Merenov, V.V., Petrov, D.G. - Materials on the correlation of stomach lesions with the development of anemia. p.50.
Martynov, S M., Kurii, Kh.V , Gromnatskii, N.I. - Passive agglutination of erythrocytes as a diagnostic method for some immunohemopathies. p.55.
Kuchuk, A P - Characteristics of the shifts of protein fractions of the blood serum in hypoplastic and aplastic states p.64
Sitnikova, G A. - Capacity of blood serum to fix iron in patients with aplastic anemia p.71.
IAes, S B - Morphological and functional characteristics of hemopoiesis in hypoplastic states. p 76.
Merenov, V.V. - Effect of hemic hypoxia of the organism on the state of the stomach mucosa and its motor activity. p.85.
Sitnikova, G A., Vygovskaia, IA.I - Functional state of the adrenal glands in hypoplastic and aplastic anemia and leukemias. p 100
Sheremeta, N.A. - Comparative morphology of hypoplastic and aplastic states. p 110.
Sheremeta, N.A. - General hemosiderosis in hypoplastic and aplastic states. p.120.
Sitnikova, G A. - Serum iron and bilirubin in patients with aplastic anemia. p.126.
Vygovskaia, IA.I. - Hormone therapy in hypoplastic and aplastic states p 132.
Kuchuk, A.P. - Transfusion of a leucocyte mass in acute aggranulocytosis, and hypoplastic and aplastic anemia. p 142
Novosad, N.A. - Vitamin therapy in hypoplastic and aplastic states. p.148.
IAes, S.B., and others. - Transfusion of blood preserved with cation exchangers and its erythrocyte mass in hypoplastic states. p.155.
Merenov, V.V., Fedorov, I.I. - Treatment of radiation sickness by transfusion of protein hydrolysates. p.162.
IAes, S.B., and others. - State of hemopoiesis and gases of the blood in transfusions of blood preserved with cation exchangers following hemorrhages. p.168.
Novikova-Dantsiger, T.I. - Effect of hemotransfusion on the cholesterol content in the blood serum following acute hemorrhages. p.177.
(DNLM)

ORTOPEDIIA, TRAVMATOLOGIIA I PROTEZIROVANIE [ORTHOPEDICS, TRAUMATOLOGY, AND PROSTHESIS]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 24, no. 6, June 1963.

Table of contents translated:

Novozhilov, D.A. - Pain and its significance in injuries. p.3.
Negovskii, V.A. - Resuscitation problems in traumatological clinical practice. p.11.
IUr'ev, IU.N., Shanin, IU.N. - Automatic endotracheal ether anesthesia in orthopedic operations. p.18.
Pan'kina, I.F. - Surgical tactics in the treatment of fractures of long tubular bones complicated by shock. p.23.
Pozhariskii, V.F. - Volume of blood loss in patients with closed pelvic fractures. p.28.
Tkach, R.S. - Hemodynamic and oxyhemometric changes in surgical interventions under spinal anesthesia. p.30.
Zamaraev, E.P., Kiyzhanovskii, V.A. - Thrombosis of the major vessels in fractures of the long tubular bones. p.36.
Rodnianskii, L.L. - Nonindustrial traumatism and the role of medical personnel in its prevention. p.39.
Amarian, P.S. - Treatment of microtraumas of the fingers and hand in workers of the Orekhova-Zuyevo group of cotton mills. p.42.
Ivanov, V.I. - Tracheostomy as a means of preventing respiratory insufficiency in patients with severe multiple injuries. p.45.
Drachuk, P.S. - Traumatic asphyxia. p.47.
Dovgilevich, G.A. - Case of acute massive venous thrombosis. p.49.
Abramov, IU.G. - Intraosseous anesthesia in injuries of the extremities. p.51.
Tetdoev, A.M., Morozov, N.S. - Local hydrocortisone therapy in humeroscapular periarthritis. p.53.
Smirnov, I.N. - Humeral epicondylitis and its treatment. p.54.
Brief news. p.56.
Shturm, V.A. - Oblique intertrochanteric osteotomy and transposition for correction of varus distortions of the femur neck. p.57.
Korzh, A.A. - Corrective osteotomy with transposition of the hip in ankylosis in the coxofemoral joint. p.59.
Revenko, T.A. - Reconstructive osteotomy of the hip with intraosseous fixation by a metallic pin. p.61.
Rumiantseva, A.A. - Experience in resection of the hip joint using a pedicle graft. p.64.
New books. p.66.
Kaplan, A.V. - Current trends in the treatment of fractures, concerning Professor I.L. Krupko's articles. p.67.
Krupko, I.L., and others. - Some problems of anesthesia and resuscitation in traumatology. p.72.
Pikin, K.I., Mitiunin, N.K. - "Traumatic shock." p.81.
Petrov, I.R., Shraiber, M.G. - Observations on the review by Professor K.I. Pikin and Candidate of Medical Sciences N.K. Mitiunin. p.84.
Report on the activities of the Societies of Traumatologists and Orthopedists for February 1963. p.86.
(DNLM)

TEORIIA I PRAKTIKA STOMATOLOGII [THEORY AND PRACTICE OF STOMATOLOGY]. Issued by Moskovskii meditsinskii stomatologicheskii institut [Moscow Medical Stomatological Institute]. Moscow, no.5, 1961.

Table of contents translated:

Beletskii, G.N. - State of stomatological care in the R.S.F.S.R. and measures for its improvement. p 3.
Falin, L.I. - Glycogen in the epithelium of the oral cavity in man and animals and its importance p.47.
Gemonov, V.V - Changes in the glycogen content within the epithelium of the mucous membrane of the oral cavity in the process of regeneration. p 60.
Kalnenlek, A.B., Uspenskaia, G.S - Physiological regeneration of the mucous membrane of the cheek in some mammals in connection with food intake. p.66.
Kuritsyna, V.A. - Mechanism of the formation and healing of trophic ulcers of neurogenic origin. p.75
Bazarnova, S.M. - Morphological changes in the mucous membrane of the oral cavity in Lichen ruber planus. p 83.
Vilkova, L.A. - Treatment of desquamative glossitis. p.86.
Savkina, G.D. - Glandular cheilitis and its role in the development of malignant degeneration. p.89.
Bubiakina, M.S - Effect of intramuscular injection of parotin on the growth and regeneration of the incisors of white rats. p.95.
Zhizhina, N.A. - Effect of sulfanilamide on calcium metabolism in calcified tissues. p.100.
Shlakin, P.G. - Dissociations of the physiological functions of the oral cavity. p.105.
Dobrokhotov, G.S. - Effect of the mastication act on stomach secretion in patients with achylous gastritis. p.111.
Kozlovskaia, V.F. - Effect of the mastication act on intragastric temperature in patients with anacidic gastritis. p.117.
Evdokimov, A.I. - Controversial problems of paradentosis. p.125.
Panikarovskii, V.V - Materials on the morphology of the neurovascular apparatus in paradentosis. p.131.
Migunov, B.I., Zhukova, E.I. - Pathological anatomy and morphogenesis of paradentosis. p.139.
Lebedeva, G.B., and others. - Morphological changes in the dentin and enamel of teeth in paradentosis. p.144.
Zhilina, V.V. - Glycogen content in the epithelium of the gum in a healthy state and in pathology. p.160.
Prokhonchukov, A.A., Zhizhina, N.A - Materials on mineral and protein metabolism of the bone tissue of the jaw. p 157
Fedorov, N.A , Prokhonchukov, A.A , Zhizhina, N.A - Mechanism of experimental radiation induced paradentosis p 165.
Benenson, E.V , Mamul', IA.V. - Distribution of tagged thiamine in the jaws of animals, a preliminary report p 175.
Potiakina, N N. - Leukopoiesis in paradentosis p.179.
Vil'di, M.O. - Changes in the internal organs in paradentosis patients. p 180
Garazha, N N - Changes in the periodontium during chronic suppurative processes in the lungs p 187
Aleksandrova, E V - Changes in the argyrophilic system of the pulp of human teeth in different stages of a carious lesion (in noncomplicated and complicated caries). p.198
Saphirov, V D. - Morphological changes in the pulp of rat teeth under the influence of an antipulp immune serum p.206.
Liubomirova, I.M. - Dental caries of the Indian population of arctic regions. p.214.
Chuprynina, N M - Frequency of dental caries caused by different forms of occlusion p 217
Vilkova, L.A. - Prevention of dental caries in childhood by vitamins B1 and D. p.223
(DNLM)

UKRAINSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ORTOPEDII I TRAVMATOLOGII. Trudy [UKRAINIAN SCIENTIFIC RESEARCH INSTITUTE OF ORTHOPEDICS AND TRAUMATOLOGY. Transactions] Kharkov, no. 15, 1959. Voprosy ortopedii travmatologii i protezirovaniia [Problems in orthopedic traumatology and prosthetics].

Table of contents translated:

Foreword. p.5.
Novachenko, N.P. - Surgical treatment of patients with osteoarticular tuberculosis. p.9.
Kostrikov, V.S., Korzh, A.A. - Historical characteristics of the scientific, organizational and practical activities of the Kharkov Scientific Society of Traumatologists and Orthopedists. p.17.
Kovalenko, P.P. - Clinical use of cooled and frozen bones prepared from fresh corpses. p.29.
Matskevich, N.D. - Results of surgical treatment of pathological dislocations of the hip following infantile coxitis. p.33.
TSukerman, A.E. - Apparatotherapy in paralytic scoliosis. p.41.
Kozyrev, G.S. - Center of gravity in a normal human body and in some disorders of the locomotor apparatus. p.49.
Ishchenko-Udalova, N.F. - Diagnostic value of X-ray photographs of the pelvis and the hip joint in the sacrotrochanterian projection. p.59.
Pogrebniak, B.A. - Distribution and frequency of muscular lesions and deformities in patients after poliomyelitis sequelae. p.65.
Volokhonskaia, L.I., Mezhenina, E.P. - Characteristics of some aspects of phosphorus and nitrogen metabolism in patients with cerebral spastic paralysis. p.73.
Ivanenkova, E.D., Kapichnikova, L.G. - Method of examining and treating patients with paralytic scoliosis in conjunction with paralysis of the hip joint p.79.
Andruson, M.V., Tarnopol'skii, A.I. - Experience of training Filatov's graft by means of pressing one of its pedicles; brief report. p.83.
Zenchenko, A.V. - Differential diagnosis of paralytic splasia. p.89.
Kutsenok, IA.B. - Compression of the apical region in scoliosis. p.93.
Matskevich, N.D., Chetnova, V.G. - Treatment of the congenital dislocation of the hip in newborn infants p.95.
Maistrenko, A.K., Tkhumnik, I.F. - Functional state of muscles in patients with neglected traumatic dislocations of the hip according to electromyographic data. p.101.
Reznik, S.D. - Treatment and prophylaxis of fractures in miners. p.109.
Rodin, IA.N. - Some problems of surgical treatment of bone fractures by means of internal fixation with metallic pins. p.117.
Gaidai, B.I. - Internal fixation in bone fractures of the extremities by means of metallic rods inserted into the medullary canal. p.126.
Mos'kin, V.IA. - Surgical treatment of displaced fractures of both bones of the forearm. p.133.
Ostropolets, S.G., Kosel'man, R.S. - Treatment of hip fractures. p.133.
Sinilo, M.I. - Dermatoplasty by means of a "sleeve flap" in treating sequelae of traumatic injuries of the locomotor apparatus in children. p.137.
Koval', A.IA., Fink, E.E., Linshenko, V.A. - Traumatism in mine 1-7 of the "Kuybyshevugol'" Combine and means of decreasing it. p.141.
Sokol, G.M. - School injuries in Kharkov and measures for their prevention. p.145.

Polivoda, N.A. - Traumatism in different types of winter sports. p.151.
Skobina, Z.A. - Anatomicoradiographic characteristics of the supracondylar area of the humerus in children in connection with supracondylar fractures. p.155.
Gardashnikov, F.I. - Analysis of injuries of the maxillofacial area in miners and some late results of compound treatment. p.161.
Topalov, P.D. - Posttraumatic restoration of the hand and fingers in the primary surgical treatment of the victim; observation of the union of severed fingers with the hand. p.165.
Stkarov, B.I. - Old and neglected dislocations of the shoulder joint. p.169.
Likhoded, S.I. - Traumatic central dislocation of the hip; late results. p.177.
Prikhod'ko, A.K. - Surgical fixation in spine injuries. p.183.
Klyuchko, M.V., Levitskii, F.A. - Fractures of the shinbone malleoli in miners. p.189.
Pagalycheva, N.A. - Fractures of the talus. p.195.
Trifonova, A.D. - Injuries of the menisci in miners; according to materials of the Stalino Province Traumatological Hospital. p.199.
Volkova, V.V. - Role of muscular atrophy in the genesis of post traumatic contractures and its control. p.203.
Kotov, A.P. - Prospects and *means of the further* development of problems dealing with the preparation of prosthesis. p.211.
Ivanenkova, E.D., Mikhailova, E.K. - Late results of the use of active prosthesis following the amputation of both humeri, as well as the amputation of a humerus and the exarticulation of the other shoulder joint. p.219.
Kamaev, M.F. - *Method of treating* nerve trunks in amputations. p.225.
Akubman, L.A. - Osteoplastic amputations of the leg according to Bier's method in patients with injuries of the peripheral nerves in the lower extremities. p.227.
Vinogradova, T.S., Gurfinkel', V.S., Slavutskii, IA.L. - Electromyographic examinations in a prosthetic orthopedic clinic. p.231.
Ostapko, K.I. - Self-service, adaptation to work, and rehabilitation of armless persons following surgery splitting the forearm. p.243.
Mnovskii, L.IA., Ostapko, K.I. - Epicritic sensitivity in the defects of extremities and its importance in training for work and in prosthesis. p.249.
Trubnikov, V.F. - Universal film holder used in taking X-ray photographs. p.257.
Trubnikov, V.F., Reshetilo, S.A. - Redresser for correcting talipes cavus and talipes equinus. p.259.
Nikolaev, V.I. - Apparatus for the registration of the degree of muscle tension in tenomyoplasty. p.263.
Skoblin, A.P., Prikhod'ko, A.K. - Surgical treatment of patients with tuberculosis of the shoulder joint. p.271.
Gavrilenko, B.S. - Clinical characteristics of patients with sequelae of tuberculous coxitis following radical surgery (resections). p.279.
Tal'ko, I.I. - Immediate results of treatment of tuberculous gonitis by the combined method consisting of synovectomy and antibacterial therapy. p.287.
Shevchenko, L.V. - Experimental study of the antibacterial effect of some antibiotics and chemotherapeutic preparations on a Mycobacterium tuberculosis culture (in vitro). p.293.
Frolova, A.F. - Working capacity and rehabilitation in osteoarticular tuberculosis. p.297.
Nedrigailova, O.V. - Histomechanical characteristics (strength, tensility, elasticity) of the ligaments of the knee joint in connection with their traumatic injuries. p.303.
Smirnova, L.A. - Innervation of the periosteum and the hip bone. p.311.
Khovenko, M.V. - Restorative processes in the area of the hip joint following the resection of the proximal end of a rabbit's hip; an experimental study. p.317.
Kostrikov, V.S. - Roentgenological characteristics of the stimulating action of some factors of injury and stimulation of the osseous organ on the regeneration of the osseous tissue; an experimental study. p.323.
Riplakh, L.A. - Effect of blood fibrin on experimental regeneration of osseous tissue. p.331.
Kapustina, T.M. - Some trophic disturbances in the lower extremities in injury of the femoral nerve; an antomical experimental study (a preliminary report). p.337.
Shkolianenko, I.S. - Effect of small doses of ionizing radiation on the animal organism. p.343.
Kravchenko, A.A. - Biological effect of radioactive phosphorus on the osteogenic capacity of an injured osseous organ. p.347.
Ignatov, D.V., Petrenko, A.G. - Morphological changes in the lymphatic nodes under the influence of a constant source of ionizing radiation (P-32) on the organism; a preliminary report. p.355.
Svetlova, M.L. - State of nonspecific immunity in dogs in intraosseous introduction of the isotope P-32. Report No.1. Phagocytic activity of the blood. p.359.
Works presented at the conference but not included in the collection. p.365.
(DNLM)

VESTNIK KHIRURGII [REVIEW OF SURGERY]. Issued by Khirurgicheskoe obshchestvo Pirogova [*Pirogov Surgical Society*]. Leningrad, vol.90, no.6, June 1963.

Table of contents translated

Kukel', A.S. - Hemotherapy in the compound treatment of *purulent* surgical diseases. p.3.
Sokolovskii, V.D. - Role of blood transfusion and *blood substitutes* in the compound treatment of diabetic patients. p.8.
Tavrovskii, V.M., Shestakov, N.V. - Experience in the use of polyvinol in thoracic surgery. p.14.
Kladovshchikov, A.I., Khitrova, A.D. - Arterial infusion of blood in terminal states. p.19.
Dmitrieva, V.A., Kuznetsova, V.N. - Reaction of the body to blood transfusion from a so-called "*dangerous*" universal donor. p.22
Pushkar', L.N., and others. - Clinicoexperimental study of the *hydrolysate* aminophasefol. p.26
Danovich, F.M., Gurvich, S.E. - Some problems in the prevention and treatment of acute inflammation of the anastomosis following stomach resection. p.28.
Kataev, I.K. - Some problems in the clinical aspects, diagnosis *and treatment* of echinococcosis. p.33.
Volkov, V.E. - Use of hydrocortisone in acute hypotension. p.37.
Nurmukhamedov, R.M., Kuzionov, P.V. - *Surgical* treatment of hernia in elderly and senile patients. p.40.
Zak, V.I., Dolgov, M.A. - Emergency surgery in patients in a state of shock and *collapse*. p.43.
Vil'khovoi, V.F. - Abdominal aorta and its branches in the roentgenological picture. p.47.
Volkov, A.A. - Determination of the depth of aortic puncture in translumbar aortography. p.53.
Elizarovskii, S.I. - Possibility of using the splenic artery for the blood supply of the *left kidney*. p.55.
Titova, A.T. - Surgical restriction of the function of the mimetic muscles in the *intact half of the face* in lesions of the facial nerve. p.60.
Limberg, A.A. - Late results of the surgical *treatment* of congenital fissures of the upper lip. p.67.
Krupko, I.L., Tkachenko, S.S. - *Some problems in* the theory and practice of bone homoplasty. p.74.
Berkutov, A.N., Il'enkov, S.I. - Experience in the treatment of fractures of the humerus by intraosseous fixation with a steel nail. p.80.
Ismailov, A.A., Aliev, A.G. - First experience in sealing bones with osteoplast in osteoarticular tuberculosis. p.83.
Chernikov, O.I. - Vascular suture in lesions of the blood vessels of the extremities. p.86.
Novikov, IU.V. - Vascular suture in lesions of the blood vessels of the extremities. p.95.
Gruber, L.V. - Reconstruction of the "digits" of the upper extremity. p.98.
Medvedev, P.M. -Cylindrical dermatome for continuous excision and separation of the skin into layers. p.103.
Tikhonenko, M.M. - Treatment of acute suppurative diseases of the hand by intraosseous introduction of antibiotics in a novocaine solution. p.105.
Shanin, *IU.N.*, Pulatov, A.T., Ilrchenko, M.V. - Function of the adrenal cortex in surgery of the thoracic organs under automatically controlled anesthesia. p.109.
Men'shov, A.A. - Intratracheal anesthesia and the use of neuroplegic preparations in surgery on the thyroid gland. p.113.
Gilevich, IU.S. - Removal of an unusually large goiter. p.116.
Gadzhiev, S.A., Voronov, A.A. - Radical surgery in echinococcosis of the heart. p.117.
Peregudov, I.G. - Surgical treatment and radiation therapy of lymphogranulomatosis. p.119.
Vilianskii, M.P., Kaigorodova, N.V. - Recurrent embolism of the popliteal artery. p.120.
Makarov, M.P. - Myxomas of the retroperitoneal-*pelvic-perineal region*. p.121.
Pashchuk, A.IU. - Rhesus sensitization. p.123.
Kiiashov, A.P. - Preoperative preparation of the surgeon's hands. p.125.
Trubachov, V.I. - Surgical treatment of thrombophlebitis of the lower extremities. p.127.
Beliaev, M.P. - Thromboses and embolisms in the preoperative and postoperative period. p.130.
Andrianova, I.G. - Possibility of using fat for parenteral nutrition in surgical diseases; review of Soviet and foreign literature. p.133.
Filatov, A.N. - "Surgery of blood system diseases" by D.M. Grozdov, M.D. Patskova. p.142.
Kovalenko, P.P., Demichev, N.P. - "Brief course of traumatology." p.143.
Khromov, B.M. - "Surgical anatomy of the fasciae and cellular tissues space in man" by V.V. Kovanov, T.I. Anikhina. p.145.
Minutes of the Pirogov Surgical Society for meetings Nos. 1307, 1308 and 1309. p.148.
Minutes of the Anesthesiological Section of the Pirogov Surgical Society for *meetings Nos. 57 and 58*. p.154
Minutes of the Pediatric Surgery Section of the Pirogov Surgical Society for meeting No. 39. p.157.
(DNLM)

Vol. 91, no.7, July 1963.

Table of contents translated:

Bakulev, A.N., Ambartsumian, R.G. - Dynamic study of sodium and potassium electrolytes in patients with various surgical diseases. p.3.
Dormidontov, E.N - Effect of preoperative care and surgical treatment on the contractile function of the myocardium in thyrotoxicosis. p.8.
Men'shov, A.A. - Preoperative care of patients with thyrotoxicosis. p.11.
Mukhin, E.P. - Clinical aspects and surgical treatment of endemic goiter. p.19
Ovnatanian, K.T., Granov, A.M. - Experience with repeated operations on the biliary tract p.16.
Fedotkin, D.V. - Mechanism of jaundice arising following intrathoracic esophagogastro-anastomosis. p.23.
Mikhailov, S.S., Pis'menov, I.A., Gerasimov, E.M. - Alloplasty of the major veins. p.25.
Bedenskii, A.N., Korostovtseva, N.V. - Homo- and autoplasty of the portal vein. p.33.
Sardak, G.A. - Esophageal alloplasty under experi*mental conditions*. p.41.
Furmanov, IU.A. - Technique of alloplasty of circulatory *defects of the trachea and bronchi*. p.46.
Vasilenko, I.S. - The use of porolon for plastic surgery of the anterior abdominal wall. p.51.
Polishchuk, S.A. - Experience with the use of the Zietkiewicz method of plastic surgery of the skin. p.52.
Zil'ber, A.P. - Anesthesiological problems in electrostimulation of the heart. p.57.
Sinevich, E.E. - Bronchoscopy under anesthesia with automatically controlled respiration. p.60.
Haug, N.A., Taliharm, A.A. - "Double block" following the use of lystenone. p.66.
Pushkar', L.N. - Clinical use of hydrolysin L-103. p.68.
Petukhov, I.A. - Thyroid gland tuberculosis. p.70.
Zavgorodnyi, P.E., Lebedev, L.V. - Plastic surgery of the axillary artery using a lavsan prosthesis p.72.
Ukhanova, N.V. - Gunshot wound of the thoracic duct. p.74.
Kalinina, S.A. - Fixation of the extremities in the treatment of spastic contractures p.74.
Staroverov, A.T., Chernyshev, N.V. - Two cases of avulsion of the upper extremity together with *the scapula*. p.76.
Utkin, V.V. - Parasternal lipoid diaphragmatic *hernias*. p.77.
Minaslan, A.M. - Casuistics of embryonal hernias. p.79.
Nikul'shin, S.P. - Duodeno-colonic fistula in peptic *ulcer*. p.79.
Pisarenko, F.IU. - Perforation of the alimentary *tract*. p.80.
Kolevatykh, V.P. - Some characteristics of the course of acute appendicitis under conditions of trinitrotoluene poisoning. p.81.
Zemlianoi, A.G. - Atrophic acrodermatitis. p.83.
Kadyrov, F.A. - Liposarcoma of the hip. p.87.
Kadochnikov, B.F. - Setting of shoulder dislocations. p.87.
Shval'b, P.G. - Use of corticosteroids for surgical patients, review of Soviet and foreign literature. p.89.
Figurina, T.D., Romankova, M.P. - Methods of intravital coronary arteriography; a review of foreign literature. p.95.
Poliakov, P.I. - Treatment of adduction fractures of the surgical neck of the arm with an abduction plaster cast. p.99.
Uglov, F.G. - Visit to Brazil. p.103.
Krakovskii, N.I. - International Symposium on *Vascular Surgery*. p.116.
Leosko, V.A., Romankova, M.P. - Eighth Scientific Surgical Conference of the Estonian S.S.R. p.119.
Zebol'd, A.N. - Survey of the history of the organization of the Pirogov Surgical Society. p.123.
Ornatskii, V.V. - Vladimir Andreevich Oppel'; on the 90th anniversary of his birth. p.129.
Smirnov, A.V. - "Textbook of surgery" [in German]. p.135.
Timofeev, N.S. - "X-ray diagnosis of covered perforated ulcers of the stomach and the duodenum" by M.V. Rogozina. p.138.
Vikhriev, B.S. - "Internal pathology in burns" by R.I. Shilov, P.V. Piliushin. p.140.
Pikin, K.I., Mitiunin, N.K., Kudinisev, V.I. - "Military field surgery" by A.A. Vishnevskii, M.I. Shraiber. p.141.
Ivan Dem'ianovich Zhitniuk; on his 60th birthday. p.144.
Ganichkin, A.M., Popov, N.K., Osipov, F.M. - Karo Tomasovich Ovnatanian; on his 60th birthday. p.145.

Minutes of Surgical Societies p. 147.
(DNLM)

14. VENEREOLOGY & DERMATOLOGY

VESTNIK DERMATOLOGII I VENEROLOGII [REVIEW OF DERMATOLOGY AND VENEREOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 37, no. 7, July 1963

Table of contents translated.

Studnitsin, A.A., Turanov, N.M. - Direction and organization in scientific research in the field of occupational dermatoses in medical institutes and scientific research dermatovenerological institutes p. 3.

Sergeev, K.K. - Morphophysiology and physiology of skin receptors p. 8

Fomin, K.F. - Experience in the treatment of some skin diseases with ganglionic blocking agents p. 15

Rashina, A.I., Brailovskii, A.IA. - Treatment of pruritic dermatoses by nasal electrophoresis p. 18

Martinson, E.E., Lind, A.J. - Trophic action of urea and its use in the treatment of neurotrophic skin diseases p. 21.

Pototskii, I.I. - Use of psoriasine in psoriasis. p. 23

Nekachalov, V.IA. - Remarks on controversial questions in the classification and terminology of mycoses and their pathogens. p. 26.

Kleibl, Karol - Significance of tularemic epizootics in the spread of infections caused by Trichophyton gypseum p. 32.

Chalimova, R.A. - Griseofulvin in the compound treatment of onychomycosis p. 36.

Ivanov, N.M. - Griseofulvin excretion from the body of patients with dermatomycoses. p. 41.

Bazyka, A.P. - Types of specific allergic skin reactions in patients with foot mycoses p. 45

TSirkunov, L.P. - Skin disorders in Pringle-Bourneville disease p. 49.

Remizov, D.N. - Effect of bicillin and its combination with bismuth preparations on protein and lipid metabolism in syphilis p. 53

Sazonova, L.V. - Results of the Treponema pallidum immobilization reaction (TPI) performed by Ovchinnikov's simplified method. p. 58.

Teokharov, B.A., Anikin, A.F., Klinyshkova, V.M. - Experience with peroral therapy of urogenital trichomiasis with flagyl. p. 62

Gatkin, E.D., Liubkin, I.V., Nikonova, N.A. - Hospital outpatient service for patients with lupus erythematosus and psoriasis p. 67

Slonimskii, L.A., Luk'ianova, A.S., Shimonov, Z.IU. - Morbidity caused by epidermophytosis of the foot in some regions of the Uzbek S.S.R. p. 70

Chulochnikov, N.G. - Experience in the control of microspora and trichophytosis. p. 72.

Plishkin, D.N. - Some data characterizing patients with gonorrhea. p. 73.

Sinetankina, P.P. - Disinfectant properties of Viburnum opulus p. 75.

Tadzhibaev, T.T. - Treatment of vitiligo with meladinine. p. 76.

Gol'dzand, L.L. - Subungual paronychia in children. p. 77.

D'in, I.I., Baranova, A.N., Borisova, L.I. - Once more in the detection of non-syphilitic spirochetes in regional lymph nodes p. 78.

Vasil'ev, T.V. - Annotations on doctoral and candidate dissertations on dermatology and related sciences defended in 1961 p. 80.

Abstracts. p. 87.

Brief news. p. 92.

(DNLM)

15. AGRICULTURE

a. GENERAL

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut pochvovedeniia. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Soil Science. Transactions]. Alma-Ata, vol. 15, 1963. Voprosy melioratsii i geografii pochv Kazakhstana [Problems of soil improvement and soil geography in Kazakhstan].

Table of contents translated:

Storozhenko, D.M. - Soils of the Karaganda industrial region. p. 3.

Faizov, K.Sh., Kurmangaliev, A.B. - Soil cover in the piedmont plain of the Ketmen' Range and the adjacent left bank of the Ili River. p. 44.

Sokolov, A.A., Faizov, K.Sh. - Solonetz soils in the Pavlodar area of the Irtysh Valley. p. 66.

Mikhailichenko, V.N. - Solonetz complexes in the Ubagan-Ishim interfluve. p. 126.

Orlova, M.A., Osina, A.N. - Soils and groundwaters in the lower reaches of the Chu River. p. 162.

Rodomakin, A.F. - Distribution of soil erosion in Aktyubinsk Province. p. 208.

BRYLIVS'KA DOSLIDNA STANTSIIA PO ZROSHENNIU. Naukovi pratsi [BRILEVKA IRRIGATION EXPERIMENT STATION. Studies]. Kiev, no. 1, 1961. Zroshennia sil's'kohospodars'kykh kul'tur [Irrigation of farm crops].

Table of contents translated

Introduction p. 3

Rakhovych, M.Z. - Results of studying the problem of growing sugar beets under irrigation p. 5.

Rakhovych, M.Z. - Basic results of studying irrigation conditions for corn p. 26

Podlintaiev, V.P. - Irrigated secondary (posthar vest) corn plantations p. 46.

Beniukh, B.O. - Some results of research on potato growing at the Brilevka Irrigation Experiment Station. p. 60.

Pysanents', O.T. - Effect of irrigation, fertilization, and grassland farming on soil fertility p. 65.

Skrypnykov, V.P. - Main work results of the Brilevka Experiment Station in studying the effect of soil leveling methods on the fertility of Chestnut soils p. 72.

Borysko, O.IE. - Main pests and diseases of corn under irrigation p. 81

Andrielev, A.V. - Brief meteorological characteristics of the Brilevka Irrigation Experiment Station for 1930-1959 p. 89.

(DNAL)

IRKUTSK. SEL'SKOKHOZIAISTVENNYI INSTITUT. Izvestiia [AGRICULTURAL INSTITUTE. Bulletin]. No 14, 1959. Materialy Khimicheskoi sektsii Nauchnoi konferentsii 1959 goda [Materials of the Chemistry Section of the Scientific Conference of 1959].

Table of contents translated:

Preface. p. 3.

Shipitsyn, S.A. - Using emission spectrum analysis for determining microelements in biological objects. p. 5.

Dmitriev, V.F., Gazarkh, L.A., Shipitsin, S.A. - Microelement content in proteins of the brain. p. 10.

Using trace element fertilizers in gray slightly saline loamy forest soils of Irkutsk Province. p. 17.

Baranskii, V.D. - Manganese, a microelement. p. 30.

Karpova, E.G. - Effect of zinc on the synthesis of ascorbic acid by plants. p. 36.

Ruzhnikova, T.N. - Fluorine as microelement in natural waters of Irkutsk Province. p. 45.

Baranskaia, V.V. - Iodine content of the waters of the Baikal Lake basin; preliminary data. p. 50.

Shul'ga, M.A. - Phosphorus content of perennial forage grasses in various vegetative stages in Irkutsk District. p. 53.

Ippolitova, L.F., Shevchuk, V.E. - Some problems of the foliar feeding of potatoes in Irkutsk Province. p. 57.

Rossikhina, G.A. - Content of protein and raw protein in the Irkutsk 49 spring wheat in relation to the developmental stage and preceeding soil cultivation practices. p. 68.

Shevchuk, V.E. - Effect of green and farm manures on the dynamics of readily hydrolizing nitrogen and soil phosphates accessible to plants. p. 73.

Palamar', A.M. - Chemical composition of corn during various developmental stages. p. 84.

Dmitriev, V.F. - Glutamic acid. p. 90.

Shevchuk, V.E. - Some characteristics of the formation and accumulation of chlorophyll in the leaves of lupine. p. 100.

Volkov, N.N., Baranskii, V.D. - Ternary reciprocal system consisting of sodium and potassium sulfates and tungstates. p. 107.

KHLIBOROB UKRAINY [THE FARMER OF THE UKRAINE]. Issued by Ministerstvo vyrobnytstva i zahotivel' sil's'kohospodars'kykh produktiv URSR [Ministry of the Production and Procurement of Agricultural Products of the Ukrainian S.S.R.], Kiev, no. 12, 1963.

KIEV. UKRAINS'KA AKADEMIIA SIL'S'KOHOSPODARS'KYKH NAUK. Uchbova chastyna. Nauchnye trudy [UKRAINIAN ACADEMY OF AGRICULTURAL SCIENCES. Teaching Section. Studies]. Vol. 27, no. 19, 1962. Stakhibotriotoksikoz krupnogo rogatogo skota [Stachybotryotoxicosis of cattle].

Table of contents translated:

Povazhenko, I.E., and others - Data on the etiology of stachybotryotoxicosis in cattle. p. 5.

Gvozdov, A.V. - Mycoflora of feeds causing stachybotryotoxicosis of cattle. p. 23.

Nagornyi, I.S., Mudriak, M.P. - Clinical symptoms, course, and diagnosis of stachybotryotoxicosis in cattle. p. 33.

Borisevich, V.I., Denisenko, V.S. - Morphological and biochemical changes in the blood of cattle infected with stachybotryotoxicosis p. 52.

Antonets, G.I. - Changes in the electrocardiogram of cattle infected with stachybotryotoxicosis p. 77.

Ponomarenko, F.M., IAtsyshin, A.I., Popov, A.I. - Comparative pathological morphology of stachybotryotoxicosis of cattle in experimental and natural infection of animals p. 84.

Smilian, IU.P., Skorobogat'ko, M.K. - Bacteriological investigation of stachybotryotoxicosis in cattle. p. 102.

Povazhenko, I.E., Nagornyi, I.S. - Fundamentals of prophylaxis and therapy in stachybotryotoxicosis of cattle p. 106.

Sivolozhskii, T.IA., Litvin, M.M. - Determining the toxicity of straw contaminated with the fungus Stachybotrys alternans. p. 112.

Beletskaia, M.K., and others. - Biochemical and pathomorphological estimation of possible use as food of the meat of cattle infected with stachybotryotoxicosis p. 118.

Literature used by the authors. p. 125.

(DNAL)

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO AZERBAIDZHANA [COLLECTIVE AND STATE FARM PRODUCTION OF AZERBAIJAN]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Azerbaidzhanskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Azerbaijan S.S.R.]. Baku, no. 10, Nov. 1963. [In Azerbaijani]

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO MOLDAVII [COLLECTIVE AND STATE FARM PRODUCTION OF MOLDAVIA]. Issued by Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Moldavskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Moldavian S.S.R.]. Kishinev, vol. 8, no. 11, Nov. 1963

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO TURKMENISTANA [COLLECTIVE AND STATE FARM PRODUCTION OF TURKMENISTAN] Issued by Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Turkmenskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Tajik S.S.R.]. Ashkhabad, vol. 7, no. 10, Oct. 1963.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO UZBEKISTANA [COLLECTIVE AND STATE FARM PRODUCTION OF UZBEKISTAN]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Uzbekskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Uzbek S.S.R.]. Tashkent, vol. 24, nos. 10-11 Oct.-Nov. 1963.

KREST'IANKA [THE PEASANT WOMAN] Published by Izd-vo [Publishing House] "Pravda," Moscow, vol. 42, no. 12, Dec. 1963.

MEZHDUNARODNYI SEL'SKOKHOZIAISTVENNYI ZHURNAL [INTERNATIONAL AGRICULTURAL JOURNAL] Issued by Postoiannaia komissiia Soveta ekonomicheskoi vzaimopomoshchi po ekonomicheskomu i nauchno-tekhnicheskomu sotrudnichestvu v oblasti sel'skogo khoziaistva [Permanent Committee of the Council for Mutual Economic Assistance on Economic, Scientific, and Technical Cooperation in Agriculture]. Sofia-Moscow, vol. 7, no. 4, 1963.

MOSCOW. INSTITUT INZHENEROV ZEMLEUSTROISTVA Trudy [INSTITUTE OF LAND UTILIZATION ENGINEERS. Transactions]. No. 10, 1960.

Table of contents translated:

IUrovskii, IA.I. - Agricultural atlas of the state farm. p. 3.

Dvorlankov, S.M. - Estimating the accuracy of a topographic map needed in designing irrigation systems with deep wide-spaced canals. p. 9.

Batrakov, IU.G. - Effect of surface curvature on the accuracy of the calculated volume of grading work p. 15.

Neumyvakin, IU.K. - A characteristic of surface configuration. p. 19.

Nalbandian, S.K. - From the history of geometric leveling in Russia during the second half of the 19th century and the beginning of the 20th century. p. 23.

Sharupich, S.G. - Simplified adjustment of analytical networks in the method of indirect measurement. p. 29.

Riazanov, V.P. - Estimating the accuracy of the elements of some control triangulation systems in simplified adjustment (with separate solution of conditional equations by groups). p. 35.

Mikhnevich, G.V. - Triangulation adjustment by angles and directions. p. 50.

Muzaṭarov, M. Kh. - Estimating the accuracy of multiple resection taking into account errors of initial data and the accuracy criterion of the relative position of initial points. p. 76.

Gordeev, A. V. - Method of intermediate functions in estimating the accuracy of functions of values adjusted by a simplified method. p. 89.

Kemnits, IU. V. - *Interrelationship of values studied* by means of the theory of errors and the method of least squares. p. 111.

Savinov, M. P. - Deformation of tracing paper. p. 123.

Gebgart, IA. I. - Geodetic orientation in case of orthogonal projection of the points of a stereoscopic air photo pair on the base plane. p. 131.

Otiratov, A. I. - Possibility of increasing the accuracy of stereoscopic processing of air photographs by the *use of stereometers*. p. 141.

Runner, A. O. - Geometric derivation of the formula of the auxiliary coefficient used in reciprocal orientation of the stereopair. p. 153.

Kislitsyn, A. S., Kudriavtsev, G. P. - Electric calculating device for formulas of terrestrial stereoscopic surveying. p. 157.

Zykov, K. A. - Tying radiogeodetic measurements to a control point identified on air photographs. p. 163.

Zaitseva, N., Larchenko, N. - Accuracy of the solution of poorly conditioned systems of linear algebraic *equations*. p. 173.

Polunin, I. F. - Correction of plan materials for the accounting of land use. p. 187.

MOSCOW. MOSKOVSKAIA SEL'SKOKHOZIAISTVENNAIA AKADEMIIA IM. TIMIRIAZEVA. Doklady [TIMIRIAZEV AGRICULTURAL ACADEMY OF MOSCOW. Reports]. No. 47, 1959. Nauchnaia konferentsiia: Agrokhimiia, biokhimiia i fiziologiia rastenii, khimicheskii metod borʹby s sornikami, fizika i khimiia, pochvovedenie [Scientific conference: Agricultural chemistry and plant physiology, chemical weed control, physics and chemistry, soil science].

Table of contents translated:

Preface. p. 3.

Gulʹkin, I. V. - Immediate tasks in the use of fertilizers in the U. S. S. R. p. 5.

Peterburgskii, A. V., IAnishevskii, F. V. - Change of the forms of potassium in turf-Podzolic soil in connection with prolonged use of fertilizers under winter rye and potatoes. p. 13.

Nelʹubova, G. L., Sidorova, N. K. - Effectiveness of trace element fertilizers in the form of frits. p. 21.

Peterburgskii, A. V., Pekenʹo, Kh. - Effect of superphosphate on the yield of spring wheat and its resistance to lodging. p. 29.

Kattnin, K. V. - Comparative characteristics of the action of simple and compound fertilizers in vegetation and field experiments. p. 35.

Debreceni, Bela. - Comparative study of the action of nitrophos in Hungary. p. 41.

Korovkin, M. A. - Increasing the effectiveness of mineral fertilizers in organic-mineral mixtures. p. 49.

Ortikova, T. A., - Effect of lime and organic-mineral mixtures in increasing the yield of corn. p. 57.

Smirnov, P. M., Fedicheva, E. I. - Dynamics of nitrogen in soil after the application of ammonia water. p. 65.

Peterburgskii, A. V., Pekenʹo, Kh. P. - Using the waste products from the Dneprodzerzhinsk Nitrogen Fertilizer Plant as phosphate fertilizer. p. 71.

Medvedev, Zh. A. - Most recent conceptions of the mechanism of protein synthesis and their theoretical and practical value. p. 77.

Leman, V. M., Fantalov, O. S. - Characteristics of irradiation sources for vegetable seedlings. p. 95.

Zemskii, V. G. - Some features of phosphorus distribution in corn during the development of reproductive organs. p. 103.

Berezovskii, M. IA. - Low-volatility esters of 2, 4-dichlorophenoxyacetic acid as herbicides. p. 109.

Vorobʹev, F. K. - Selective inhibition of protein synthesis in plants by 2, 4-D. p. 117.

Berezovskii, M. IA. - Aerosol method of applying herbicides. p. 125.

Chkanikov, D. I. - Some data on the economics of manual labor in applying herbicides in sugar beet plantations. p. 133.

Monov, A. I. - Time of treating fiber flax plantations with herbicides. p. 139.

Klechkovskii, V. M. - Electronic configuration of transactinide elements. p. 147.

Aleshin, S. N. - Surface tension and adsorption of some alcohols and organic acids from aqueous solutions. p. 157.

Afanasʹev, G. V. - Role of silt deposition in the turf soil formation process in the floodland and delta of the Northern Dvina River. p. 163.

Afanasʹev, G. V. - Soil fertility of collective farms in the Yemetsk grassy area. p. 171.

Kalashnikov, K. V. - Brief characterization of the Podzols of the Khanty-Mansi National Area. p. 179.

Markova, M. V. - Features of soil formation in relation *to relief in the* Khanty-Mansi National Area. p. 185.

Grechin, I. P. - Soils of the Vegetable Experimental Station of the Timiriazev Agricultural Academy of Moscow. p. 199

Gromyko, I. D. - Change in the moisture and physical properties of virgin soils under farm crops. p. 209.

IAkovleva, M. E. - Characteristics of the root systems and the ash content of some plant associations of Kustanay Province. p. 215.

Shishov, L. L. - Hydrogeological conditions of the formation of dark-colored swampy soils in the *southern* part of the upper Volga Lowland. p. 227.

Dodolina, V. T. - Characteristics of ground and flood waters in Gorodishche District of Stalingrad Province. p. 235.

Grechin, I. P., and others. - Contents of the legend of a large-scale soil map. p. 241

Kaurichev, I. S., Andratskaia, E. P. - Features of the group composition of phosphates in Chernozem soils in connection with temporary reduction processes in them. p. 247.

Kogotkov, A. IA. - Dynamics of the dissolved oxygen content in soil waters of Kotlas District, Archangel Province. p. 253.

Bajraktari, Fajik. - Conditions of soil formation in western Albania. p. 259.

POCHVOVEDENIE [SOIL SCIENCE]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.]. *Moscow*, no. 10, Oct. 1963.

Table of contents translated:

Zonn, S. V. - Evolution of soils in forest biogeocenoses p. 1.

Antipov-Karataev, I. N., TSiurupa, I. G - Zonal characteristics of the weathering of mountain rocks and the formation of secondary fine-grained minerals. p. 14.

Kotin, N. I - Some characteristics of Solonetz soils in the subzone of light-colored Chestnut soils in central Kazakhstan p. 23.

Dorokhova, K IA., Sokolova, T. A. - Chemical composition of the layer covering the grains of primary minerals in some mountain taiga soils of eastern Transbaikalia. p. 34

Egorov, V. E., Lykov, A. M. - Change of the organic matter in turf-Podzolic soils after 50 years of farming. p. 37.

Abramova, M. M - Movement of vaporous moisture in soil p. 49.

Gal'din, G. B. - Comparative study of the characteristics of the movement of soil moisture in leached Chernozem soils on virgin lands and under various farm crops in Penza Province. p. 64.

Maslov, B. S. - Water balance of peat soils in the spring. p. 73.

Ognov, G. M - Methods of studying the root system of a tea plant. p. 83

TSyplenkov, V. P. - Rapid colorimetric method of determining the humus composition of soils and soil solutions. p. 91.

Vasilevskaia, A. E., Shcherbakov, V. P. - Determining mercury in soils. p. 96.

Trufnev, A. G., Khantulev, A. A. - Intercollege Scientific Reports Conference on the topic "Universities for Agriculture." p. 98.

Filipova, V. N. - Review of the book "Reclaiming and increasing the productivity of Solonetz soils." p. 101.

Kedrov-Zikhman, O. K. - Valuable book on Soviet agricultural chemistry and its founder Academician D. N. Prianishnikov. p. 103.

Bol'shakov, A. F. - Selected works in two volumes by G. N. Vysotskii. p. 105.

Bibliography. p. 106.

No. 11, Nov. 1963.

Table of contents translated:

Rooma, I., Reintam, L., Kendra, H. - Utilization of the materials of a large-scale survey of land resources in the Estonian S. S. R. p. 1.

IArtseva, A. K., Morozova, A. V. - Variety of the soil cover in the turf-Podzolic zone as exemplified by the "Snigiri" experimental plot in Istra District, Moscow Province. p. 15.

Zimovets, B. A., Zelenova, A. I. - Iodine content of soils in the Amur basin. p. 25.

Samsur, G. N. - Mobility of exchangeable sodium and recommended norms for the use of gypsum in the improvement of Solonetz soils. p. 35.

Peivo, IA. V. - Trace element content of soils in the savanna zone of the Republic of Mali. p. 47.

Miftakhov, M. N., Taichinov, S. N. - Effect of farming on the content and composition of humus in the leached deep Chernozem soils of the Bashkirian cis-Ural region and methods of the efficient use of their natural riches. p. 51.

Shivrina, A. N., Maslova, R. A. - Amino acid composition of humus-type substances formed by some wood-decaying fungi. p. 63.

Bakhtin, P. U., Nikolaeva, I. N., Volotskaia, V. I. - Shear strength, the coefficient of friction, and the cohesion of dark Chestnut soils and southern Chernozem soils. p. 68.

Burov, D. I., Lukanchev, D. N. - Retention of snow waters in the Chernozem soils of the trans-Volga region. p. 78.

Panin, P. S. - Salt loss from chloride-salinized soils during leaching. p. 86.

Poliakov, IU. A., and others. - Using deuterium for studying the movement of surface and subsoil waters. p. 97.

IArilova, E. A. - Works in the field of soil micromorphology; review of the work of a symposium. p. 104.

Shkonde, E. I. - The 14th Prianishnikov Lecture. p. 111.

Bibliography. p. 114.

POIMENNYE POCHVY RUSSKOI RAVNINY [FLOODLAND SOILS OF THE EAST EUROPEAN PLAIN] Moscow, no. 2, 1963.

Table of contents translated:

Evdokimova, T. I., Grishina, L. A. - Soils in the lower Moskva Valley. p. 3.

Korableva, L. I. - Dynamics of soil processes and the effectiveness of fertilizers in the floodlands of the upper Oka Valley. p. 26.

Bykova, L. N., Zyrin, N. G. - Nitrogen and ash content of meadow vegetation in the floodlands of *the Klyaz'ma River*. p. 77.

IAstrebov, M. T. - Gas content of soils in the floodlands of the Klyaz'ma River. p. 102.

Gel'tser, IU. G. - Soil fauna in the floodlands of the middle Klyaz'ma River. p. 123.

Sergunina, L. A. - Distribution of Azotobacter in the floodland soil of the Moskva and Klyaz'ma Rivers. p. 141.

Babʹeva, I. P., Khadzhi-Murat, L. N., Kaptereva, IU. V. - Actinomyces as factors of toxicity floodland soils in the Klyaz'ma River. p. 146.

Dobrovolʹskii, G. V., and others. - Floodland forest soils in the Mari area of the trans-Volga region. p. 158.

Gradusov, B. P. - Characteristics of oak forest soils in the floodlands of the Klyaz'ma River. p. 173.

Bykova, L. N. - Birch groves in bogs of the Klyaz'ma Valley. p. 182.

Tiurikanov, A. N., Pavlova, M. P. - Effect of floods on the development of meadow plants in the floodlands of the Moskva River. p. 191.

POLLUMAJANDUSE MEHHANISEERIMINE JA ELEKTRIFITSEERIMINE [MECHANIZATION AND ELECTRIFICATION OF AGRICULTURE]. Issued by Eesti NSV Ministrite Noukogu Riiklik Teaduslik-Tehniline Komitee [State Scientific and Technical Committee of the Council of Ministers of the Estonian S. S. R.]. Tallinn, no. 2(20), 1962. [In Estonian] (DNAL)

REFERATIVNYI ZHURNAL: POCHVOVEDENIE (Otdelʹnyi vypusk 57) [JOURNAL OF ABSTRACTS. SOIL SCIENCE (*Separate Issue 57*)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 22-24, Nov.-Dec. 1963.

SEL'SKII MEKHANIZATOR [THE RURAL MECHANIC]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U. S. S. R.]. Moscow, no. 10, Oct. 1963.

Table of contents translated:

Gurov, P. IA. - Sixty years in the communist system. p. 2 of cover, 1.

Sterkin, I. - The father of the "Sea gull" was a tractor operator. p. 2.

Kotserubenko, N. - Pupil. p. 5.

Makhanova, O. - Flight strengthens the wings. p. 6.

Kovalenko, G. - The "Khersonets" combine in skillful hands. p. 6.

Pritsker, P., Kustanovich, S. - Hydraulic system of the MTZ-50Pl and MTZ-50 tractors. p. 8.

Urman, I. - Results of a successful work. p. 10.

Isanchurin, R. - Continuous electric sheepshearing. p. 12.

Ivanov, N. - The scientific council met on a collective farm. p. 14.

Gimein, S. - Safety measures. p. 14.

Mikhalʹkevich, I. - A machine is like its operator. p. 16.

Konovalov, N., Zaikin, V. - We are expert adjusters. p. 18.

Tananykhin, A. - Success of our skillful machine operators. p. 19.

Gensh, I. - Personal "leaflets." p. 19.

Designers talk with machinery operators. p. 20.

Shirkov, A., IAnkin, V. - Prepare tractors for winter. p. 20.

Store machines properly. p. 22.

Kuznetsov, L. - Life of people is entrusted to you. p. 23.

724-981 O - 64 - 7

Shats, E. - Asynchronous electric motors. p. 24.
They accomplished what they had in mind. p. 26.
IAmbarev, V. - Ensilage can be preserved. p. 26.
Al'perovich, IU. - Technological innovations, advanced practices and skill go from schools to farms. p. 29.
Borosh, F., TSyrlkov, I. - Mechanical "waiter." p. 30.
Vorozhun, I. - We made the automatic machine by ourselves. p. 31.
Bospukov, V. - Feed distributor. p. 31.
Matveev, V. - Take care of the combine. p. 32.
Alin, IU. - The degree. p. 32.
Molchanov, I. - Electronics and spare parts. p. 33.
Rubleva, K. - How to pay tractor and machinery operators in fruit nurseries. p. 34.
Working time. p. 34.
Wages for electricians. p. 35.
Chicheva, L. - Wide-range harvesting technique. p. 36.
Dubrov, E. - Peptic ulcer. p. 38.

SEL'SKOE KHOZIAISTVO KAZAKHSTANA [AGRICULTURE OF KAZAKHSTAN]. Issued by TSentral'nyi Komitet Kommunisticheskoi partii Kazakhstana [Central Committee of the Communist Party of Kazakhstan]. Alma-Ata, vol. 11, no. 11, Nov. 1963.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO NECHERNOZEMNOI ZONY [AGRICULTURAL PRODUCTION OF THE NON-CHERNOZEM ZONE]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov and Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of the Production and Procurement of Agricultural Products and the Ministry of Agriculture of the R. S. F. S. R.]. Moscow, vol. 1, no. 12, 1963.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO POVOLZH'IA [AGRICULTURAL PRODUCTION OF THE VOLGA VALLEY]. Organ of Ministerstvo proizvodstva i zagotovok sel'khozproduktov and MSKh RSFSR [Ministry for the Production and Procurement for Agricultural Products and the Ministry of Agriculture of the R. S. F. S. R.]. Saratov, vol. 1, no. 11, Nov. 1963.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SEVERNOGO KAVKAZA I TsChO [AGRICULTURAL PRODUCTION OF THE NORTHERN CAUCASUS AND THE CENTRAL CHERNOZEM REGION]. Organ of Ministerstvo proizvodstva i zagotovok sel'khozproduktov RSFSR and Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of the Production and Procurement of Agricultural Products of the R. S. F. S. R. and the Ministry of Agriculture of the R. S. F. S. R.]. Krasnodar, vol. 1, no. 12, Dec. 1963.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SIBIRI I DAL'NEGO VOSTOKA [AGRICULTURAL PRODUCTION OF SIBERIA AND THE FAR EAST]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR and Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of the Production and Procurement of Agricultural Products of the R. S. F. S. R. and the Ministry of Agriculture of the R. S. F. S. R.]. Omsk, no. 12, Dec. 1963.

TEKHNIKA V SEL'SKOM KHOZIAISTVE [MACHINERY IN AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 23, no. 9, Sep. 1963.

Table of contents translated:

Ezhevskii, A. - Increase the rate of overall mechanization. p. 1.
Selivanov, A. - Possible development of the agricultural machinery repair service. p. 4.
On the agenda of compulsory education. p. 9.
Fedoseev, B., Kovalev, A. - Growing sugar beets in the non-Chernozem zone. p. 11.
Samoilov, M., IAkimenko, G. - Machines for work in the production of sugar beet seeds. p. 14.
Landes, G., Zabava, V. - What are the advantages of overall mechanization for cotton growers. p. 21.
Fomin, I. - Placing silage by a bucket loader. p. 25.
Khlebnikov, I. - Overall mechanization of large swine fattening farms. p. 27.
Savinov, V. - The "herringbone" arrangement for milking parlors on the Uvel'skiy State Farm. p. 32.
IAnushkevich, B., Lipnitskii, M., Rozum, V. - Batcher-feeder. p. 34.
Potapanov, F. - Processing corncobs for livestock feeding. p. 37.
Dobroliubov, N. - Pipeless method for pumping water from bored wells. p. 40.
Kop'ev, E. - New machinery for the drainage of bogs. p. 42.
Bazhanhin, N. - Detachment of the Section of Agricultural Machinery in virgin lands. p. 47.
Dluzhin, L. - Controlling booster transformers. p. 48.
Vasil'eva, V., Kachaeva, L. - Small-size regulator of the speed of tractor engines. p. 52.
Fedoseev, I. - Universal agricultural loader. p. 55.
Safiulin, A. - Trailer platform for gathering vegetables. p. 57
Kashcheev, L. - The ZhZS-22 grain drying unit. p. 60.
Grebnev, V. - Adjusting engines for various types of operation. p. 63.
Rudenko, A., Rybakov, K. - Filtering diesel fuels. p. 66.
Shkiliar, IA., Khabatov, R. - Using motor truck transportation in harvesting sugar beets. p. 68.
Mikhailenko, E. - Need for improving the SNS-2M beet puller. p. 71.
Krivoruchko, M. - Improve the quality of machining crankshafts. p. 72.
Andrianov, P. - Repairing the final drive. p. 73.
Shavzis, A. - Painting agricultural machinery. p. 74.
Gankin, V., Rozdul, V. - Motor truck repairing train. p. 76.
Bel'skii, V., Shkarbatiuk, K. - Conveyor-type pickers. p. 79.
Savenko, V. - Mechanized grain cleaning and drying floor. p. 82.
Reshetnikov, V. - Valve for teat cups. p. 83
Gebbel', P. - Winch for trellis wires. p. 83.
Karnaukhov, G. - Modifying filling units. p. 84.
Eremin, V. - Important areas for lubrication. p. 85.
Sachli, S. - Storage of agricultural machines. p. 86.
Eishov, N. - New state standard for diesel fuel. p. 90.
In the Scientific and Technological Council of the All-Union "Soiuzsel'khoztekhnika" Association. p. 91.

Vol. 23, no. 10, Oct, 1963.

Table of contents translated:

Repairing and maintaining machines and tractors as the most important task of the national economy. p. 1.
Doman'kov, V., Lepeshko, I. - Harvesting sugar beets by stages. p. 4.
Gerasimchik, V., Terekhov, A. - Continuous harvesting of sugar beets. p. 13.
Sekret, I. - Economic effectiveness of wide-range reapers. p. 14.
Kozub, V. - Overall mechanization as the basis of success. p. 18.
Semernoi, V. - Enriching silage by adding urea solution. p. 21.
Pogorelov, A. - Nonfreezing automatic vacuum waterer for sheep. p. 23.
Miroshnichenko, P. - New machinery for irrigated lands. p. 26.
Mandalaka, K. - How to improve the automatic control of incubators. p. 32.
Grakova, T., Pugacheva, K. - Pneumatic columnar grain cleaner. p. 39.
Bogachev, S. - Machines for harvesting sugar beet seed plants. p. 43.
Didenko, N. - Onion harvesting machine. p. 46.
Kosnikov, N. - Effectiveness of the use of various tractors in tillage. p. 49.
Polupanov, F. - Technological information cards for tractor maintenance. p. 52
Tashkinov, V. - New single-beam overhead cranes. p. 60.
Vasil'eva, V., Kachaeva, L. - Testing and adjusting the 4TN-3,5x10 fuel pumps by a small-size adjuster. p. 67.
Korobeinikov, A., Loktev, L. - The KGP-2 potato harvesting combine in the finishing cleaning of sugar beets. p. 73.
Kalinin, V. - The SNT- 2,1 sugar beet loader mounted on the SK-3 combine. p. 75.
Onishchenko, V. - Efficiency promoters in Bukovina. p. 77.
Volkov, I. - Unloader of cargo trucks. p. 79.
Ilushchenko, A. - Strengthening tractor frames. p. 82.
Malov, A. - Manufacturing sealing elements. p. 82.
Poliachenko, A., Grozdov, P. - Welding and repairing parts. p. 84.
Sobisek, Vaclav., Weissova, Jana. - Straw gathering after the combine. p. 88.
In the Scientific and Technological Council of the "Rossel'khoztekhnika" Association. p. 89.

VESTNIK SEL'SKOKHOZIAISTVENNOI NAUKI [REVIEW OF AGRICULTURAL SCIENCE]. Issued by Ministerstvo sel'skogo khoziaistva Kazakhskoi SSR [Ministry of Agriculture of the Kazakh S. S. R.]. Alma-Ata, vol. 6, no. 9, Sep. 1963.

Table of contents translated:

Nechiporenko, N.A., Prokudina, G.I. - Characteristics of the distribution of sugar in the root of the monospermous sugar beet under irrigation. p. 3.
Mynbaev, T.T. - Economic and biological characteristics of corn varieties in central Kazakhstan. p. 10.
Kultaev, S., Baitulin, I.O. - Characteristics of the growth and development of corn in Solonetz soils as related to tillage. p. 19.
Otarov, G. - Effect of the methods of basic tillage of the fallow on the yield of winter wheat in the unimproved dry areas of Alma-Ata Province. p. 25.
Mel'nik, A.F. - Carotene supply available to animals in the pastures of Alma-Ata Province. p. 27.
Nurmagambetov, K. - Some results of the iodination of farm crops. p. 36.
Shatov, A.V. - Controlled raising of Alatau heifers. p. 44.
Aksennikova, A.D. - Determining the evenness of bifurcation. p. 51.
Eliseev, K.M. - Epizootiology, pathogenesis, and chemical prevention of strongyloidiasis of sheep. p. 56.
Safonov, A.F., Afanas'ev, L.A., Petrov, V.M. - Treatment of gastrointestinal diseases of calves with polymyxin. p. 59.
Gleiberzon, D.A., Gil'dinovskii, A.P. - Stability of the motion of a shallow-working cultivator. p. 63
Gerr, F.G. - Method of efficient utilization of low-yielding water-bearing beds in the desert as exemplified by the pastures in Bet-Pak-Dala and the desert of Sary-Arka. p. 69.
Musin, G.Kh. - Afforestation in the floodlands of the Ili River. p. 74.
Makarenko, A.A., Shul'ga, V.V. - Evaluating the small-size timber in the pine forests of the Kazakh peneplain. p. 82.
Glazov, IU.A. - Economic effectiveness of various methods of cutting black saksaul. p. 86.
Zhdanov, IU.M., Semin, A.F. - Shelterbelt afforestation in Western Siberia and northern Kazakhstan. p. 89.

(DNAL)

VESTNIK SEL'SKOKHOZIAISTVENNOI NAUKI [REVIEW OF AGRICULTURAL SCIENCE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U. S. S. R.]. Moscow, vol. 8, no. 6, June 1963.

Table of contents translated:

Krasota, V.F. - Improve the training of agricultural specialists in the field of biology. p. 2.
Rubin, B.A. - Modern concepts of the role of the root system in the vital activity of a plant organism. p. 7.
Kruzhilin, A.S., Shvedskaia, Z.M. - Plastic development and seed productivity of vegetable plants. p. 18.
Orlovskii, N.I. - Role of biology, breeding, and agricultural practices in increasing the sugar content of sugar beets. p. 30.
Kolt, S.A. - Potential fertility of weeds. p. 37.
Sokun, P.F. - Effect of various types and amounts of fertilizers on the flowering of winter wheat. p. 41
Mikenas, G.S. - Proteins of various corn varieties and hybrid corn. p. 48.
TSymbal, M.M., Chizh, V.A. - Gamma irradiation of seeds before sowing increases the resistance of winter wheat to smut. p. 55.
Petelina, N.N. - Importance of the parent material in buckwheat breeding. p. 58.
Shain, S.S., Tkachenko, F.M. - Rototilling of soil before sowing forage cabbage. p. 61.
Karlov, V.N. - Sex formation in animals as related to the combination of the types of the nervous systems of the mate and female. p. 64.
IUshchenko, N.P. - Preservation of bull semen at temperatures above freezing point. p. 69.
Potapov, A.A. - Chemical composition of wild rice species and their feed value. p. 73.
Chebotarev, R.S. - Antiparasitic forage plants. p. 77.
Malikov, D.I. - Effect of atmospheric pressure on the reproductive capacity of rams. p. 82.
Kulebakin, P.G., Kazakova, L.P. - Comparative evaluation of cultivators and disk harrows. p. 87.
Lisunov, V.I., Kurilov, A.A. - Direction of tractor lines in mounted plows. p. 90.
Chernyshev, I.N., Kuz'min, M.V. - Losses caused by the wobbling of arched tires under field conditions. p. 93.
Slavin, R.M., Kruglov, N.S., Ataklishiev, T.S. - Theory and calculation of a mechanized line for collecting eggs. p. 97.
Kliuchnikov, L.IU. - Minimal tillage for pine plantations in sandy soils. p. 104.
Pan'shin, I.V. - Importance of natural factors controlling the abundance of the pine bark beetle Blastophagus minor. p. 108.
Kirtbain, IU.K., Sheiko, E.P. - Technology of mechanized terracing on slopes. p. 112.
Rabotnov, T.A. - Methods for carrying out experiments in meadows. p. 120.
Bratukhin, A.M. - Physical criteria for the evaluation of wheat and its technological properties. p. 125.
Bondarenko, A.A. - Studying the mineral nutrition of apple seedlings by the chemical analysis of tissues. p. 128.
Dilanian, Z.Kh., Agababian, A.A. - Electrophoretic investigation of the proteins of animal milk. p. 133.
Bugutskii, A.A. - Using the method of least squares for studying the dynamics of output, cost, and labor productivity. p. 138.

Al'tenskii, A.V., Antropov, T.I., Sumach, G.P. - Great contribution to soil erosion control, about A.S. Kozmenko. p. 145.
Information. p. 147.

ZA SOTSIALISTICHESKUIU SEL'SKOKHOZIAISTVENNUIU NAUKU [FOR SOCIALIST AGRICULTURAL SCIENCE]. Issued by Chekhoslovatskaia akademiia sel'skokhoziaistvennykh nauk [Czechoslovak Academy of Agricultural Sciences]. Prague, vol. 12, no. 4, 1963.

ZEMES UKIS [AGRICULTURE]. Issued by Lietuvos TSR Zemes ukio produktu gamybos ir patnosu ministerija [Ministry for the Production and Procurement of Agricultural Products of the Lithuanian S.S.R.]. Vilnius, no. 12, Dec. 1963. [In Lithuanian]

b. ANIMAL INDUSTRY

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MOLOCHNOI PROMYSHLENNOSTI. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF THE DAIRY INDUSTRY. Transactions]. No. 22, 1963. Avtomatizatsiia tekhnologicheskikh protsessov v molochnoi promyshlennosti [Automation of technological processes in the dairy industry].

Table of contents translated

Foreword p. 3.
Vainberg, A.IA., Brusilovskii, L.P. - Complete automation of technological processes in the production of pasteurized milk in bottles. p. 7.
Golubovich, IA.I., Gusev, A.M. - Automation of technological processes in the production of sweetened condensed milk p. 11.
Brusilovskii, L.P., Vainberg, A.IA., Kabanova, T.A. - Device for automatic control and regulation of detergent concentration in bottle washing machines. p. 19.
Brusilovskii, L.P., Vainberg, A.IA., Kabanova, T.A. - Device for continuous automatic control and indication of kefir acidity in the tank production method. p. 28.
Gusev, A.M. - Device for automatic foam control in vacuum-evaporating apparatus. p. 39.
Brusilovskii, L.P., Gusev, A.M. - Results of tests of new devices and technological means of automation. p. 43.
Vainberg, A.IA., Brusilovskii, L.P., Bellaev, V.I. - Electronic apparatus for automatic inspection and sorting of defective glass containers. p. 66.
Vainberg, A.IA. - Use of electronic methods for the automatic control of moisture content of some milk products. p. 71.
Tarasov, F.M. - Design of automated heat exchange apparatus for the dairy industry. p. 75.

REFERATIVNYI ZHURNAL; ZHIVOTNOVODSTVO. VETERINARIIA [Otdel'nyi vypusk 58) [JOURNAL OF ABSTRACTS: ANIMAL HUSBANDRY. VETERINARY MEDICINE (Separate issue 58)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 23, Dec. 1963.

OKHOTA I OKHOTNICH'E KHOZIAISTVO [HUNTING AND GAME MANAGEMENT]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 9, no. 12, 1963.

OVTSEVODSTVO [SHEEP BREEDING]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 9, no. 12, Dec. 1963.
(DNAL)

c. FORESTRY

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Mezsaimniecibas problemu un koksnes kimijas institūts. Trudy Instituta lesokhoziaistvennykh problem i khimii drevesiny [ACADEMY OF SCIENCES OF THE LATVIAN S.S.R. Institute of Forestry and Wood Chemistry. Transactions] Riga, vol. 25, 1963.

LESNOE KHOZIAISTVO [FORESTRY]. Issued by Gosudarstvennyi komitet po lesnoi, tsellyulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and TSentral'noe pravlenie NTO lesnoi promyshlennosti i lesnogo khoziaistva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry]. Moscow, vol. 16, no. 9, Sep. 1963.

Table of contents translated:

Varaksin, F.D. - Promote creative activity in the scientific and technological community. p. 2.
Taran, I.V. - Increasing the productivity of forests in Novosibirsk Province. p. 6.
Moiseenko, I.P., Kozhevnikov, A.M. - Losses in the increment of pine forests damaged by sawflies. p. 8.
Repnevskii, V.V. - Natural regeneration of pine forests in Murmansk Province. p. 11.
Gaas, A.A. - Microclimate and the viability of young growth in cutovers. p. 16.
Marusov, A.A. - Regeneration in clear-cut areas of *the Central Urals*. p. 21.
Margus, M.M. - Douglas fir in Estonia. p. 24.
Averkiev, S.K. - Some problems in improving forest seed production. p. 26.
Khirov, A.A. - Characteristics of the establishment of pine seed plantations in the Buzuluk pine forest. p. 31.
Otel, G.M. - Afforestation of the banks of Kremenchug Reservoir. p. 34.
Pankratova, N.M. - Chemical weed control in forest plantations by triazine derivatives. p. 39.
Smol'iannov, I.I., Kharin, N.G., Moiseev, R.G. - Afforestation of shifting sands in the central Tuva Depression. p. 44.
Pests of pine stands and measures for their control. p. 47.
Michalski, J., Witkowski, Z. - Negative effect of the fig insect Blastophagus piniperda on the increment of pine. p. 50.
Kutuev, F.S. - Chemical control of the poplar borer Chrypторrhynchus lapathi. p. 50.
Buzun, V.A. - Some data on the economic effectiveness of gradual cuttings in beech forests. p. 52.
Atlikov, M.A. - Sizing and cutting apparatus for preparing poplar cuttings. p. 55.
Stepakov, G.A. - Mechanization of tillage in the cutovers of the north. p. 57.
Brief information. p. 59.
Perfect cutting methods and improve the composition of forest stands. p. 61.
S"edin, G.I. - Preservation of the young growth as a reliable method for regeneration in cutovers. p. 69.
Guba, I.A. - Mechanized improvement cutting in young stands. p. 71.
Agafonov, P. - Contribution of community to forestry. p. 73.
A new motion picture on forests. p. 74.
Kiselev, K. - Results of communal inspection. p. 75.
Formin, A.S. - For high efficiency of excavating operations in forest drainage. p. 76.
Golovan', P.I. - At the cradle of steppe afforestation. p. 77.
Book reviews and bibliography. p. 78.
Khomiakov, I.A., Bibikov, G.M. - Visiting the foresters of Hungary. p. 81.
Senkevich, A.A. - Shelterbelts in foreign countries. p. 87.
Brief news. p. 92.

MUSU GIRIOS [OUR FORESTS]. Issued by Lietuvos TSR Misku ukio ir misko pramones ministerija and Gamtos apsaugos komitetas prie Lietuvos TSR Ministru Tarybos [Ministry of Forestry and Lumbering of the Lithuanian S.S.R. and the Committee on Conservation, Attached to the Council of Ministers of the Lithuanian S.S.R.]. Vilnius, no. 11(184), Nov. 1963. [In Lithuanian]

d. PLANT CULTURE

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZERNA I PRODUKTOV EGO PERERABOTKI. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF GRAIN AND GRAIN PRODUCTS. Transactions]. No. 43, 1963. Biokhimiia zerna [Biochemistry of grain].

Table of contents translated:

Koz'mina, N. - Introduction. p. 3.
Methods of determining the yield of gluten. p. 5.
Baibulatova, S.G., Naumova, A.T. - Some biochemical properties of flour produced by various methods of grinding. p. 21.
Golonkov, V.F., Tolchinskaia, E.S., Zhil'tsova, T.E. - Biochemical characteristics of some rye varieties. p. 46.
Makarov, V.V., Prokhorova, A.P. - Changes in the fat of corn *seeds during prolonged storage*. p. 57.
Pod"apol'skaia, O.P. - Effect of chloropicrin and dichloroethane on the microflora of grain. p. 69.
Makarov, V.V., Prokhorova, A.P. - Caking and changing of the flavor of dry wheat and rye during storage. p. 86.
Marnov, D.I. - Calculating the optimal ratio of mixed feed ingredients (balancing) as related to their amino acid composition. p. 119.
Gerzhoi, A.P., and others. - Change of the quality of moist wheat as a result of intensified drying. p. 137.
Sosedov, N.I., and others. - Using sodium pyrosulfite and pyrosulfate for preserving wheat for food. p. 165.

16. TECHNOLOGY

a. GENERAL

AKADEMIIA NAUK ARMIANSKOI SSR, Erivan. Izvestiia. Seriia tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin Series in the Technological Sciences] Erivan, vol. 16, no. 5, 1963.

Table of contents translated:

Matevosian, P.A. - Multiplying devices using varistors. p. 3.
Begliarov, V.G. - Optimum distribution of the generated power in systems with hydroelectric power plants by the dynamic scanning method. p. 11.
Airapetian, G.A. - Some problems of nonsynchronous automatic reclosures of intersystem electric lines. p. 23.
Khachatrian, V.S. - Determining power losses in high-voltage power-transmission networks. p. 31.
Agasian, L.A. - Internal regulation of free-piston engines. p. 41.
Vlasov, L.S. - Experimental investigation of the rigidity of claydite reinforced concrete beams subjected to lasting loading. p. 51.
Vardanian, V.V. - Design of elastically supported rectangular plates for cylindrical bending. p. 59.
Ataian, E.A. - Characteristics of the formation and distribution of runoff in the upper part of the Aras River basin. p. 65.
Gukasian, B.S. - Spreading of forced cutting-tool vibrations in lathe units. p. 69.

* GEODEZIIA I KARTOGRAFIIA [GEODESY AND CARTOGRAPHY]. Organ of Glavnoe upravlenie geodezii i kartografii Ministerstva geologii i okhrany nedr SSSR [Main Administration of Geodesy and Cartography of the Ministry of the Geology and Conservation of Mineral Resources of the U.S.S.R.]. Moscow, no. 10, Oct. 1963.

Table of contents translated

Sudakov, S.G. - Scientific and technical problems at the present stage of topographic and geodesic research. p. 3.
Butkevich, A.V. - Change-over from spatial rectangular coordinates to geodesic coordinates. p. 12
Bellaev, N.A. - Field-type photoelectric setup for astronomical determinations. p. 17.
Discussion of I.M. Konopal'tsev's suggestions concerning the measurement of horizontal angles. p. 26.
Viduev, N.G. - Uniformly precise measuring results. p. 26.
Galdaev, P.A. - I.M. Konopal'tsev's suggestions. p. 30.
Sheinin, O.B. - Use of consecutive analysis in triangulation. p. 31.
Krlukov, IU.A., Bolarskii, E.A. - Comments on I.M. Konopal'tsev's article. p. 34.
Rytov, A.V. - Uniform method for measuring horizontal angles as proposed by I.M. Konopal'tsev. p. 35.
Mikhailov, V.IA. - Quality control of aerial photographs. p. 44.
Shevchuk, P.M. - Precision of stereotopographic mapping on the scale 1:2000. p. 48.
Larin, D.A. - Some rules on the drawing of cartographic images. p. 59.
Plastinin, L.A. - Geographic names occurring in the southern part of Eastern Siberia. p. 63.
Nekrasova, K.F. - Special dictionaries. p. 65.
Pravda, IA. - Maps with semitone hypsometry p. 67
Atlas on the history of geographical research and discoveries. p. 72.
Brovar, V.V., and others - Determining the external gravitational field and the figure of the earth p. 74.
Meshcherskii, I.N. - Making allowance for systematic errors of self-reducing levels. p. 77.
Mikhail Konstantinovich Ventisel', obituary. p. 78.

GORKIY. POLITEKHNICHESKII INSTITUT. Trudy [POLYTECHNIC INSTITUTE, Transactions] Vol. 17, no. 3, 1961. Rashchety na prochnost' [Strength analysis].

Table of contents translated:

Preface. p. 3
Abramov, V.V., Kireev, A.A. - Investigating stresses and shifts in homogeneous and nonhomogeneous bars subjected to elastoplastic deformations taking into consideration the strengthening of the material. p. 5.
Kireev, A.A. - Using the method of body disjunction in calculating for creep. p. 15
Abramov, V.V., Astrov, E.I., Tikhonov, N.N. - Stresses caused by the hardening of laminated steel. p. 24.
Abramov, V.V., Datchikova, L.K., Lazareva, O.M. - Investigating the stressed state of an ingot-mold wall depending on the degree of freedom of bending deformation. p. 32.

Abramov, V V , and others - Effect of the temperature field on the nature of warping of a flat body after its temper hardening p 41
Utkin, V V - Strength analysis of coverings curvilinear in plan p 54
Ionov, V A - Determining stresses in hollow round rods with notches along the hypotenuse of non-planar sections p 83
Ionov, V A., Lupanova, O K , Verkhovskii, A V. - Bending stress calculation in a rod with an annular groove and an axial hole p 75
Gilavin, IU.V., Uspenskaia, A.N. - Determination of stresses in a configurated strip in case of a non-linear relation of stresses and deformations p 80
Ponomarev, M G - On I Sh Rabinovich's article "Solution of the problem of contact of cylinders with parallel axes " p 88.
Spirin, A P - Determination of normal stresses in a configurated plate subjected to tension. p.91
Andronov, V P - Stressed state and strength of main shafts of single-column crank presses p 97
Tokar', N G , Mokeev, I I - Characteristics of beam dynamometers p.107
Mokeev, I I - Analysis and evaluation of errors of an optical mechanical strain gauge p 112
Mokeev, I I - Dynamic calibration of flexible inertia dynamometers. p 120

Vol. 17, no. 4, 1961.

Table of contents translated
Preface, p.3.
Zav'ialov, M. Z. - Effect of grinding conditions on the strength of metal-cutting tools, p.5,
Klushin, M. I. - Physical bases of super-high-speed metal cutting. p.15,
Petlashin, B.I. - Investigating stresses and vibrations of a milling-machine table, p. 23.
Kuznetsov, A. P. - Problems in the precision machining of heavy shafts. p. 41,
Vragov, IU. D. - Development of graphic analysis of differential drives. p. 49,
Timofeev, V. N., Vinogradov, V.S. - Residual stresses in the surface layer of steel parts machined on lathes. p. 69.
Olenichev, S. I. - Selecting basic parameters of technological characteristics in designing general-purpose milling machines p. 75

INFORMATSIONNYI UKAZATEL' STANDARTOV [INFORMATION INDEX OF STANDARDS]. Published by Gosudarstvennoe izdatel'stvo po standartizatsii [State Publishing House on Standardization]. Moscow, vol. 24, no. 10, 1963.

IUNYI TEKHNIK [YOUNG TECHNICIAN] Issued by TsK VLKSM and TSentral'nyi Sovet pionerskoi organizatsii imeni V I Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the Lenin Pioneers]. Moscow, vol. 8, no. 11, Nov. 1963.

Table of contents translated
Let's stand watch over the nation's property p 3
Grigor'ev, V - South-southeast is the vector of the traffic flow p 6.
Smirnov, G. - Nevertheless we shall fly to Mars! p 13
Andreev, D. - Dreams for the future p. 19.
News from five continents. p 22.
Burdakov, V - On the comet's tail. p 24
Rudakov, G - Riddle of the Chelyabinsk graben p 29.
Riabov, A , Turbobo, K - First champion. p 30
Malenkov, G. - Architecture of molecular structures p 33.
Titov, N.N. - Strawberries in January. p. 39.
IUrkina, IU - Magic sine. p. 41
Kuz'michev, A. - Space on stamped envelopes. p 47
IUrasov, L., Shkil'ko, G. - Diving lasers. p 49
Nosova, V - It is interesting in the school of volunteer instructors! p. 52.
Shchuka, A - Equations and eras. p 56
Fedorov, I - Yacht built from reinforced concrete. p. 59
Vol'per, I. - Acidulants p. 62
Danchevskaia, M. - Analysis by means of . , paper p. 65
Golovanov, L. - In the pursuit of the "Blue Bird." p 66
Erkin, A - Universal cold cathode tube. p 68.
Homemade transformer and choke for ultrashort wave radio station p 72.
Korolev, M. - One micron size triode. p. 76

*IZMERITEL'NAIA TEKHNIKA [MEASUREMENT TECHNIQUES]. Issued by Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov SSSR [State Committee of Standards, Measure, and Measuring Instruments of the U S.S.R.]. Moscow, no. 10, Oct. 1963.

Table of contents translated:
State testing laboratory of communist labor, p.1.
Kubarev, A.V. - Quantum radiophysics and metrology. p.5,
Rabinovich, V.I., TSipenko, M.P. - Information content for the case of an even distribution of the measured magnitude and a normal distribution of the error, p.8,
Boguslavskii, L.A., Volosov, S.S. - Errors in the median method of control and readjustment in centerless grinding of cone rollers. p.13.
Valishvili, G. I. - Rigidity calculation of even limit gauges p 16
Abramovich, L.S. - Electric contact device for checking the curvature of long thin axles. p. 18.
Boguslavskii, M.G. - Determination of temperature corrections for machine part dimensions. p. 19.
Faierman, I.D. - Investigating errors of the observer in visual recording of scale graduation units. p. 21.
Ivakhnenko, M.M. - Automatic error compensator for the weighing with a batcher. p. 23.
Dashevskii, T.B., Al'tman, I.A., Koval', V.A. - Effect of defects in lever arms of balances on the precision of weighing. p. 28.
Vengerov, V.A., Demidov, I.S., Fridlender, G.O. - Precision balancing and the determination of uneven rigidity of elastic mechanical systems. p. 30.
Lapp, G.B., Popova, D.I. - Calibration of tungsten-rhenium/tungsten-rhenium thermocouples. p. 33.
Kornilov, V.V., Makarov, B.I. - Measurement of quick-changing temperatures in conducting solids with thermocouples. p. 35.
Zemel'man, M.A. - Nonlinearity of voltage to time-interval conversion in digital measuring systems. p. 37,
Grin, G.L. - Equipment defects in the device for measuring the mean voltage value of subsonic frequencies. p. 43.
Sepetyi, V.N., IAgola, G.K., Zingerman, V.I. - Changes in magnetic induction in the magnet gap caused by the introduction of weak-magnetic parts of measuring devices into the gap. p. 47.
Levin, M.M., Bilanskii, L.N. - Relationship between the magnitude of the quadratic region of detector characteristics and its load. p. 52.
New recommendation of the International Committee of Radiological Units on the quantities and units of ionizing radiations. p. 54.
Kalenrikov, M.D. - Develop departmental inspection of measuring equipment. p. 59.
Measures and measuring instruments approved by the State Committee on the basis of the results of their official testing and permitted to be used in the U.S.S.R., registered in November 1962. p. 61.
New standards, p. 63.

No 11, Nov 1963.

Table of contents translated
Kalak, L.K. - Present status and objectives of metrology in the field of linear and angular measurements. p. 1.
Markov, N.N., Kainer, G.B., Satseridotov, P.A. - Effect of temperature on the errors of measurements. p. 5.
Rozenberg, E.I., Efros, I.E. - Telescopes for measuring the noncollinearity and noncoaxiality of medium-size articles by the sighting method. p. 10.
Maksimov, L.M. - Temporary stability and temperature errors of standard dynamometers. p. 12.
Ryzhov, V.A. - Upper measurement limit of a diaphragm capacitance compensation manometer. p. 14.
Lebedev, L.M. - Unit for measuring dynamic parameters of polymer materials. p. 16,
Fainleib, B.N., Klochev, L.A. - Strain gauge pickup for measuring pressures in fuel forcing conduits of diesel engines. p. 19.
Lapp, G.B., Popova, D.I. - Some thermometric properties of tungsten-rhenium thermoelectrode materials. p. 20.
Ambrok, G.S. - Calibrating pickups of heat flow. p. 21.
Tartakovskii, D.F. - Calculation of thermal inertia of industrial heat pickups. p. 24.
Arutiunov, V.O. - Circuit of a compensator for measuring phase shift between two voltages. p. 27.
Volgin, L.I. - Evaluating errors along functional scales of measuring instruments with indicators. p. 29.
Todorov, P.M. - Direct measurements of induction coil capacitance. p. 31.
Kotiuk, A.F., Sheremet'ev, E.V. - Universal bridge unit for measuring p-n junctions of semiconductor devices at sonic frequencies. p. 33.
Iliukovich, A.M. - Error in checking three-phase two-cell wattmeters by two single-phase standard wattmeters. p. 36.
Alikhanidi, A.G. - Analysis of circuits and testing methods of standard measuring choke coils. p. 38.
Laskavyi, V.N. - Thermocompensation of reference voltage sources with silicon voltage stabilizers. p. 40.
Il'in, V.M. - Balancing indicator for electric measuring circuits. p. 40.
Potapov, N.P., Chekalina, Z.A. - Frequency Q-factor dependences of standard measures for testing Q-meters. p. 42.
Kugaevskii, A.I. - Variable-length coaxial cylindrical cavity for the determination of electromagnetic parameters of materials at normal and high temperatures. p. 44.
Os'minin, A.A., Chikov, V.P. - Junction transistor R-C oscillator with a great number of phasing circuits. p. 46.
Klempner, K.S., Chetchichenko, I.M. - Stand for testing radioisotope density relays. p. 48
Solov'ev, V.N. - Work of the State Testing Laboratory in a consolidated economic region. p. 51,
Kalennikov, M.D. - Improve the quality of instruments with persistence. p. 52
Gorlin, G.E., Al'tman, I.A. - Scientific technical conference on automation and weighing and proportioning processes. p. 54.
Bondarev, A.M. - French exhibition of electronic measuring instruments and equipment. p. 56.
Instruments manufactured by the Japan Electron Optics Laboratory Co. p. 58.
Journal "Mekhanizatsiia i avtomatizatsiia proizvodstva" p. 60.
Gleb Nikolaevich Rautian, obituary. p. 60
Measures and measuring instruments approved by the State Committee on the basis of the results of their official testing and permitted to be used in the U.S.S.R. p. 61.

No 12, Dec. 1963

Table of contents translated
Kollerov, D.K - Principal metrological problems arising in physicochemical measurements p. 1
Shrakun, G.I - Practical use of the self-collimation method in measuring small angles and angular deviations. p. 5.
Truten', V.A., Falateeva, R.V - Measurement of great lengths in workshops p.7.
Finkel'shtein, E.I - Measuring the rectilinearity of long guides by means of self-collimators. p. 9
Mar'iasin, E.I - Wide-range inductive device for dimensional measurements. p 13.
Evich, E.M. - Device for the adjustment of shaft centers. p 14.
Kershakov, K.V. - Eccentricity checking with a UIM-21 microscope p. 14.
Sergeev, N.V. - Roller type keys. p. 11
Artamonov, V.N - Efficient lubricating methods for plane-parallel end gauge blocks p. 15.
Nagornyi, L.IA., and others - Methods for reducing the dynamic error of tensometric scales. p 15
Sukhnev, V.A , and others - Two-liquid micromanometer for measuring slight pressure losses in rarefied gases. p. 17.
Erlukhin, A.V. - Allowing for the evacuating effect of mercury vapors in the calibration of electric discharge manometers by reference to a mercury compression manometer. p. 20.
Kupidonov, S.S. - Three-unit milling dynamometer with wire pickups. p. 21.
Klenkov, I.I. - Principal metrological problems in temperature measurement p. 22.
Grin, G.L. - Effect of the shape of the voltage curve on the readings of an infralow-frequency average value voltmeter p. 26.
Dekhtiarenko, P.I. - Electrodynamic detector of amplitude-modulated signals. p. 28.
Pankratov, V.I , Pilipko, I.T. - Electrodynamic capacitor-modulator of weak direct currents p. 30.
Wide frequency range electronic phasemeter. p 32
Volodarskii, V.IA. - Use of an electron-counting frequency meter in checking pointer-type frequency meters. p. 33.
Gravin, O.N. - Use of infralow-frequency thermocouparators. p 34.
Abramovich, G.P. - Evaluation of the readings of an electric measuring device. p 37.
Okhotina, S.M. - Narrow-band quartz frequency meter. p. 38.
Kollerov, D.K. - Simple method for calculating corrections for the expansion of gaseous mixtures p. 42.
Grigor'iants, V., Zhabotinskii, M.E. - Orifice for obtaining fine-calibrated gas flows. p. 44.
Petropavlovskii, V.V - Present stage of development of measuring technique. p 45.
Vinnikov, E.M., Markovskii, D.P. - Means and methods of precise measurement of short time intervals. p. 49.
Kononenko, G.I. - Measuring instruments and apparatus at the Japanese Exhibition in Moscow. p. 53.
Measures and measuring instruments approved by the State Committee on the basis of State test results and authorized for use in the U.S.S.R. (registered in February 1963) p. 56.
New instructions on the testing of measures and measuring instruments p. 57.
Index of articles published in 1963. p 58.

IZOBRETATEL' I RATSIONALIZATOR [INVENTOR AND EFFICIENCY PROMOTER]. Issued by Vsesoiuznoe obshchestvo izobretatelei i ratsionalizatorov [All-Union Society of Inventors and Efficiency Promoters] Moscow, no. 11(207), 1963.

Table of contents translated:
Sirotinin, M. - Siberia works for communism. p. 1.

Greetings to members of the Second Congress of the All-Union Societies of Inventors and Innovators p 2.
Lents, V. - Petroleum under a blanket p. 4.
Zakharev, N., Grigor'ev, A. - Goods are not touched with hands. p. 6.
The Beginning. p. 8.
Pudchisov, V. - Council of innovators at a collective farm. p. 10.
Mishin, A. - All preserves potatoes. p. 11.
From the notebook of the technologist of "Izobretatel' i ratsionalizator." p. 12
Stroganov, A. - Sand cleans gasoline; plastics instead of boring, motor truck without a body. p. 13.
Kushnirov, R. - Perfect conformity. p. 14.
Kasperavichius, P. P. - We and "Kauno Tiesa." p. 15.
Dikarov, Zh. - His vacuum cleaner washes too. p. 16.
Lashemirov, V. - A draftsman pondered and here is the result. p. 17.
Shcherbakov, A. I. - The fifth competition. p. 18.
Avelukhov, V. - Faculty of innovations. p. 19.
Aleksandrov, A. - Balls instead of electron tubes. p. 20.
Tikhin, L. - Wire made of metal chips. p. 22.
Shpagin, M. - Concrete, water and cosmetics. p. 23.
Pavlov, O. - In your lawyer's office. p. 23.
Concerned, carried out. p. 24
Bogoslovskii, S. - Ability for experimentation. p. 26.
You have the floor. p. 30.
Keenness, persistence, ability. p. 32.
Advertising board. p. 34.
Denisov, N. - The main formula. p. 36.
Lokotkov, A. - Voluntary design bureau is a starting-off place for success. p. 37.
Trusov, S. - Innovations in a village. p. 38.
Rumiantsev, A. - Wide cutting p. 39.
News from our friends. p. 40.

VOSCOW GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT NAUCHNOI I TEKHNICHESKOI INFORMATSII. Opyt raboty po tekhnicheskoi informatsii i propagande [STATE SCIENTIFIC RESEARCH INSTITUTE FOR SCIENTIFIC AND TECHNICAL INFORMATION. Work Experience in Technical Information and Propaganda], No. 1, 1963.

Table of contents translated:

Reference and information collections for all organs of technological information. p 3
Morozkin, N. M. - Work practices in accounting and the calculation of economic effectiveness p. 5.
Gol'dgramer, G. I. - Organization of the control of the use of information and the calculation of effectiveness p 8
Mel'nikova, T. I. - The use of effective forms of exchanging information on advanced practices in the Ivanovo Economic Council. p. 11
Goncharova, O. I. - Technological information and propaganda in a plant p. 13.
Tishchenko, A. M. - Surveys and competitions in the field of technological information at enterprises and in organizations of the Omsk Economic Council p 16.
Vasilkov, A. I. - Experience in joint operations of the Central Office of Technological Information and public organizations. p 19.
Reshkin, V. M. - Organization of reference and information service in the Central Office of Technological Information of the Leningrad Economic Council p 21
Derbina, M. A. - Technological information and propaganda at enterprises and construction projects of the Yakut Economic Council. p. 26
Vangaeva, V. G. - Working with informational and technological literature at the "Krasnyi Aksai" Plant in the Rostov Economic Council p. 28.
Spitsin, N. N. - Information work in a research institute p 30.
Tul'skaia, N. M. - Organization of readers' conferences. p. 31
Malakhova, N. K. - Inter-plant schools are a form of technological propaganda p. 33.
Kurguznikova, L. V. - Participation of a science and technology library in an inter-plant school. p 35
Pevnev, N. I. - Conference and seminars in the technological information service of the Moscow Economic Council. p. 36.
Andreev, S. A. - Promoting technical books in plants. p. 40.
Litinova, L. V. - Institute of advanced practices. p 41.
Kurbatov, M. M. - Survey and competition of public designing offices in the Leningrad Economic Council p. 44.
Lugannikova, L. V. - Shop public offices of technological information at plants p. 47.
Rozhnikovskii, IA. I. - Public initiative in a plant in the struggle for technological progress. p. 49.
Shrader, I. D. - Public office of design at the Saratov Regional Electric Power Plant. p. 50.
IUr'eva, N. A. - Public office of design in operation p. 52
Consultations. p. 54.
In the State Committee of the Council of Ministers of the R. S. F. S. R. on Coordination of Research Work p 56.
In the State Research Institute of Science and Technology Information p 3 of cover

No. 2, 1963.

Table of contents translated:

Bairyi-Shmarlan, O. E. - Analysis of the effectiveness of using scientific and technological information p. 3.
Kiselev, M. I. - Organization of technological information and propaganda in a research institute p. 6.
Pavlenko, I. D. - Reviewers' group at the Ural Machinery Plant. p. 10.
Boboykin, E. P. - Science and technology conferences and surveys of advanced methods of work p. 12
Abramova, A. S. - Organization of scientific and technological information and propaganda at enterprises of the lumber and woodworking industry. p. 14.
Belousets, M. M. - Work of the office of technological information in Obraztsovo Printing Plant No. 1. p. 16.
Gol'dgamer, G. I., Fainboim, P. A. - Ways of efficiently reproducing informational materials. p. 18.
Nedikov, V. M. - Technological information specialist in a shop (section) of an industrial enterprise. p. 23.
Kusakin, V. P. - Schools of advanced practices at the Yaroslavl Tire Plant. p. 27.
Khorev, A. I. - Work practices of a technological study unit p. 29.
Goncharov, A. I. - Technological information and propaganda at the Leningrad Hoisting and Transportation Equipment Plant. p 31.
Morozkin, N. M. - Role of the public office of technological information in expediting technological progress at an enterprise. p. 33.
Goncharenko, S. A. - Organizations of public assistance to technological progress at enterprises in Kurgan Province. p. 34.
In the State Committee of the Council of Ministers of the R. S. F. S. R. on Coordination of Research Work. p. 36.
In the State Research Institute of Scientific and Technological Information, research work. p. 36.
Conducting competition in enterprises of the Khabarovsk Economic Council p. 37.
Institute of advanced practices at a machine plant. p. 37.
Exhibition of the "Office of New Technology for Building and Assembling Organizations" in the "Building" Section of the Exhibition of the Achievements of the National Economy of the U. S. S. R. p 38.

No. 3, 1963.

Table of contents translated:

Fainzinger, S. S. - Work of the central offices of technical information of the economic councils of the Russian Federation under the new conditions. p. 3.
Poliakov, O. S. - Some problems in planning and designing the adoption of technological innovations. p. 5
Rozenfel'd, IU. E. - Organization of scientific and technological information and propaganda in the "Stankolinii" Plant. p. 7.
Ishemguzhin, S. B. - The struggle for technological progress in the petroleum industry administrative unit "Al'keevneft'." p. 12.
Dzema, V. G. - Technological information and propaganda in the "Bashzapadneftеrazvedka" Trust. p. 13.
Gerasimov, A. M. - Work practices of technological information specialists at the Mundybash Plant. p 14.
Katsev, Z. V. - Work practices of a technological information specialist in a metal-cutting tool section of a plant. p. 17.
Tikhonov, M. A. - Technological information specialist in a metal-cutting tool shop. p. 19.
Morozova, M. T. - Organization of scientific and technological information at the Yaroslavl Meat-packing Plant. p. 20.
Mel'nikova, T. I. - Organizing competition for the honor of best enterprise providing technological information and propaganda. p. 22.
Sadovnikov, V. A., IAsinovskii, M. IA. - Establishing a reference and information collection at a plant. p. 24.
Liatskii, S. P. - Reference and information card catalog in a design office. p. 28.
Fokina, M. K., Fokin, A. S. - Experience in converting a library's holdings to the Universal Decimal Classification. p. 32.
Gusarov, V. P. - Information services with foreign patents. p. 35.
Nebova, D. V. - The day of technological information at textile plants of an economic council. p. 37.
Lgotov, IA. N. - Experience in improving the qualifications of technological information experts p 39
Nosovskii, IU. P. - Amateur movie group. p. 41
Tikhomirov, N. S. - Technological and economic council formed by public initiative. p. 43.
IUdin, F. F. - Organization and work experience of a public office of technological information p. 46
Vangaeva, V. G., Gromada, G. M. - Public office of technological information in a plant p 49.
Folumenov, S. A. - Public offices of technical information at the "Rostsel'mash" Plant p. 51
Nasonov, V. M. - Survey of voluntary contributions to technological progress at enterprises of an economic council. p. 53
In the State Research Institute of Scientific and Technological Information (GOSINTI). p. 56.

MOSCOW. VSESOIUZNYI INSTITUT NAUCHNOI I TEKHNICHESKOI INFORMATSII. Nauchno-tekhnicheskaia informatsiia [ALL-UNION INSTITUTE OF SCIENTIFIC AND TECHNICAL INFORMATION. Scientific and Technical Information] No. 9, 1963.

Table of contents translated:

The June Plenum of the Central Committee of the CPSU and the tasks before the workers in the information services p. 3.
Polushkin, V. A. - Defining the concept "information" p. 6.
Malinin, S. G. - In the Central Institute of Scientific and Technological Information and Standardization in the Electronic Machinery Industry. p 9
Kuz'min, L. P. - Practices of the Moscow House of Scientific and Technological Propaganda. p. 12
Concise results of the inspection contest for the title of best enterprise for providing technological information and propaganda during 1961-1962. p 15.
Aleksanian, V. T., and others. - Chemical code for retrieval of spectrochemical information p. 17.
Vagin, IU. V. - Application of the sequential method of statistical solution to the recognition of forms p. 22.
Ilinshenko, E. I. - Study of nondestructive interrogation of ordinary ferrite toroids p 27
Revzin, I. I., Rozentsveig, V. IU. - Problems in the theory of translation related to the general problem of the automation of information processes. p 32
Pashchenko, N. A. - Problems of automatic syntactical analysis of Czech scientific and technical texts p 38.
Means of making diagrams on transparent drafting material. p. 44
Sverdrup, A. - Cooperation of the Scandinavian countries in the field of scientific and technological information. p 46.
Brief news. p 49.
New periodicals. p 51

NAUKA I TEKHNIKA [SCIENCE AND TECHNOLOGY]. Issued by Nauchno-tekhnicheskii komitet Soveta Ministrov Latviiskoi SSR [Scientific and Technical Committee of the Council of Ministers of the Latvian S. S. R.] and others. Riga, no. 11(40), Nov. 1963.

NOVYE KNIGI ZA RUBEZHOM Seriia B: Tekhnika [NEW FOREIGN BOOKS. Series B: Technology], Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 7, no. 11, Nov. 1963.

ODESSA TEKHNOLOGICHNYI INSTYTUT. Trudy [TECHNOLOGICAL INSTITUTE. Transactions]. Vol. 14, 1962.

Table of contents translated

Preface. p. 3
Voznesenskii, G. P. - Efficient tinning of a corrugated sheet p. 5.
Linkova, G. G. - Investigating the effect of the rigidity of a boring bar with bracket fastening on the smoothness of a finely bored surface p. 13
Revva, V. F. - Using nonlubricated friction vibration dampers for reducing vibrations of the boring bars of a diamond boring machine p. 17
Grekov, G. M. - Using isothermal hardening techniques for open cast-iron gear wheels. p. 23.
Verkhivker, G. P., Shevchenko, G. Z. - Increasing the efficiency of high-duty gas-turbine units p. 31.
Dekhtiarev, V. L. - Development of an economically efficient cycle of a heat-power plant. p 39.
Olesevich, E. K. - Reducing end losses in cascades of profiles of turbomachines. p. 45.
Tishchenko, B. S. - Approximate calculation of the burning-out of a flame tongue of pulverized lean or hard coal. p. 47.
Bakhtiozin, R. A., Gorbis, Z. R. - Convective heat transfer of a gas-graphite suspension flow in longitudinally ribbed channels. p 55
Kovtun, A. P. - Stressed state of a loose medium enclosed in vertical walls. p 65.
Georgi, N. B. - Using ultrasonic techniques for the intensification of grain washing p. 75

Vainberg, A. A. - Investigating profiled-plate heap charges p 81
Soloid, S. A. - Using mathematical machines for obtaining optimum recipes of feed mixtures p 87
Malakhovtsev, V. P. - Investigating destruction forces of grain subjected to impact loading p 103
Levchishina, R. V. - Investigating hemicelluloses of common reed in the vegetative stage p 109
Rozenfel'd, I. D. - Russian revolutionary democrats on the originality of Russian materialistic philosophy. p 115
Bonifrenko, M. IA. - Marxist-Leninist theory of the nationalization of land and the solution of agrarian problems under present conditions p 123

PROFESSIONAL'NO-TEKHNICHESKOE OBRAZOVANIE [VOCATIONAL TECHNICAL EDUCATION] Organ of Gosudarstvennyi komitet po professional'no-tekhnicheskomu obrazovaniiu pri Gosplane SSSR [State Committee for Vocational Technical Education, Attached to the State Planning Committee of the U. S. S. R.]. Moscow, vol. 20, no. 10(221), Oct. 1963.

Table of contents translated

Vocational instructor, teacher, and friend p 1
Let's show our concern for the next generation p 3
Il'in, V. - Friendship between generations p 4
Simkin, IA. - To make a man grow p 6
Voznesenskii, L. - Important potentiality for an increase in labor productivity p 9
Vedernikov, M., Prizhko, M., Kobzev, V. - Major chemical industrial complexes should have qualified personnel p 12
Gal'perin, IU. - Solving the triangles and electrical engineering problems p 13
Khabibrakhmanov, M. - Training in mathematical calculation skills p 14
Politi, M., Tregubov, V. - Mechanized instruction. p 15
Glasko, M. - Mnemonic methods of teaching p 16
Mochalov, P. - Stand for model grinding of cutting tools p 16
Todrin, G. - On the agenda is the practice of a collective p 17
Kramarenko, I., IAkovleva, I. - Establishing work norms for adolescents p. 18
Svintsov, V. - First successes of an evening department p 19
Zaloznov, E. - Industrial training tests p 20
Gusovskii, A., Kravchenko, V. - Training of television repairmen p 20
Romanov, P. - Every school should share in the practice of the best p 22
Zakharov, N. - Unloader of organic fertilizer. p 24
Moskalets, G. - Let's expand training farms p 25
Khotetovskaia, L. - Individual training of new workers p 26
Nitetskii, B. - Technological study rooms p 27.
Smirnov, A. - Methodological aid to industry is expanding p 29
Liubovetskii, I. - Conducting the demonstration lessons p 31

PROMYSHLENNOST' ARMENII [INDUSTRY OF ARMENIA]. Issued by Sovet narodnogo khoziaistva Armianskoi SSR [Economic Council of the Armenian S. S. R.] Erivan, vol. 6, no. 9, Sep. 1963.

Table of contents translated:

Tumanian, S. - Eliminate shortcomings, use hidden potentialities more efficiently p 3
Vermishev, K. - Dolomites in Armenia and the outlook for their use p. 7
Luknitskii, A. - Basic trends in the development of the plastics industry in Armenia. p 10.
Mikhailovskii, IA. - Improve production standards of the chemical industry of the Republic. p. 15.
Astvatsatrian, A. A. - Specialize the production of subsidiary materials p. 17.
Malkhasian, M. - Why is the important construction falling behind. p 19.
Adzhemian, V. - Principles for improving the design of screw-cutting lathes. p 20.
Akopian, N. - Put the organization of house building on a technical base p. 25
Petrosian, V. - Analysis of the cost of copper-molybdenum ores. p 27
Khorasanian, G. - Use light natural fillers in earthquakeproof building p. 31
Ambartsumian, Kh. - Mechanization of coremaking. p. 36.
Manukian, N. - Efficient use of waste products of the metalworking industry in powder metallurgy p 39.
Revazian, G. - New electric devices p 44.
Babaian, M. - Chemists improve industrial production p 47
Andreasian, K. - Eliminating the sparking in the electric circuit of Aistov's strain gauge. p 49.
Davidian, D. - The first in the U.S.S.R. high-mountain 220 kilovolt electric line p. 50
Klimanov, A. - Nitriding spindle surfaces of the 2614 and 3A614 horizontal boring machines p. 55.
Dasoian, L., Grigorian, Kh. - Synthesis of calcium cyanamide based on ammonia, natural gasoline, and limestone. p 58
Minasbekian, M. - Experimental investigation of the thermal state of a cylinder piston group of a free-piston diesel compressor p 60.
Klimchuk, IU. - Use of latexes in the leather and shoe industry p 64
In the U S S R p 67
In foreign countries p 69.
In the Committee of Party and State Control of the Central Committee of the Communist Party of Armenia and the Council of Ministers of the Armenian S.S.R p 72
In the Economic Council of the Armenian S.S.R. p 74
For wider use of radioisotope equipment p 75
At the State House of Technology. p 77
Brief news p 78
Burnazian, G. - How to draw up an invention claim p 78
Vaniushin, S. - Disappointing omissions, erroneous conclusions p 80.
New books and information materials received by the scientific and technical library of the Economic Council of the Armenian S S R p 82

REFERATIVNYI ZHURNAL: METROLOGIIA I IZMERITEL'NAIA TEKHNIKA (Otdel'nyi vypusk 32) [JOURNAL OF ABSTRACTS: MENSURATION AND MEASUREMENT TECHNIQUES (Separate Issue 32)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U S.S.R.] Moscow, no. 12, Dec. 1963.

STANDARTIZATSIIA [STANDARDIZATION]. Issued by Komitet standartov, mer i izmeritel'nykh priborov pri Sovete Ministrov SSSR [Committee of Standards, Measures, and Measuring Instruments, Attached to the Council of Ministers of the U.S.S.R.] Moscow, vol. 27, no. 11, Nov. 1963.

Table of contents translated:

Shishlakov, P. G. - Standardization in the small-lot machinery production. p 3.
Shleifer, M. A. - Standardization of bevel gears. p. 7.
IUnin, L. S., Nesterov, M. A. - Standardization of light-alloy flasks. p. 14.
Efimova, T. G., Ivanova, V. P. - Standardization of broaches. p 16.
Gavrilov, P. A. - Standardization of die-casting molds for shaping grinding wheels. p. 18.
Torgovitskii, A. I. - Standardization of cast-iron sheaves for V-belts. p. 20.
Balakina, I. A., Aleksandrova, T. K. - Standardization of two-layer sheet steel. p. 22.
Kogan, V. A., Semionov, A. A., Kagan, B. V. - Aluminum sheets for the printing industry. p. 26.
Kavkazov, IU. L. - Standardization in the leather and shoe industry. p. 28.
Riabinin, D. D. - Introduction of drawing equipment systems in chemical machinery plants. p. 30.
Grigor'ev, I. K. - Calculating the economic efficiency of a standardization control. p. 31.
Samoilov, M. P. - Standardization of foundry equipment. p. 32.
Garusov, N. I. - Work of a standardization office at the Kalinin Railroad-Car Plant. p. 32.
Rudnik, M. S., Aksenov, V. N. - Woodworking tenoning machines. p. 34.
Fishkina, F. L. - Woodworking milling machines. p. 34.
Lopatin, A. V. - Hydraulic presses. p. 35.
Astretsov, A. I. - Notched band for cotton processing. p. 36
Lipman, R. S. - Wire for the thermoelectrodes of thermocouples. p. 37.
Baibekov, K. A. - Determination of arsenic content in solid fuel. p. 38.
Kozlova, R. S. - Regulations for sewing knit underwear. p. 39.
Poniatovskaia, L. I. - Fabrics for shoes. p. 40.
Torkunova, Z. A. - Standards for the wear resistance of socks and hosiery. p. 41.
Dan'shin, M. I., Brin, M. S. - Improve production standards in Kerch plants. p. 45.
Zaitsev, A. N. - Standardization in the textile and light machinery industry. p. 46.
Groman, M. B. - Using machinery industry standard "Noncorrected spur gear wheels with a 1.5 to 8 mm. module." p. 48.
Nikonov, K. D. - Recommendations of the International Standards Organization. p. 52.
From technical periodicals. p. 55.
Standards for the machinery industry. p. 57.
Foreign standards. p. 59.

SVERDLOVSK. URAL'SKII POLITEKHNICHESKII INSTITUT. Trudy [URAL POLYTECHNIC INSTITUTE. Transactions]. Moscow, no. 131, 1963. Stroitel'nye konstruktsii promyshlennykh zdanii [Structural elements of industrial buildings].

Table of contents translated:

Foreword, p. 3.
Kashirskii, IU. A. - Effect of the rigidity of joints on reinforced concrete trusses of rectangular and trapezoid contour. p. 5.
Kashirskii, IU. A. - Calculation of reinforced concrete columns of single-story industrial buildings for crane load. p. 12.
Zhdakhin, L. P. - Calculating walls of reinforced concrete bunkers according to tables compiled on the basis of limit stresses. p. 20.
Zhdakin, L. P. - Study of unwelded joints of rod reinforcements. p. 29.
Skorobogatov, S. M. - Prestressed foamed slag concrete slabs with round holes used for roofing equipment houses. p. 36.
Bychkov, M. I., Skorobogatov, S. M. - High-alloy steel with vanadium for reinforced concrete structures. p. 42.
Speranskii, B. A. - Steel trusses with individually prestressed rods. p. 53.
Speranskii, B. A. - Stressing elements of steel high-strength cables for metal prestressed structures. p. 67.
Ol'kov, IA. I. - Selecting optimal cross sections of bent profiles for centrally compressed rods. p. 70.
Tamplon, F. F., Sukhanov, V. P. - Optimal height of aluminum trusses with parallel chords. p. 81.

TEHNIKA JA TOOTMINE [TECHNOLOGY AND PRODUCTION]. Issued by Eesti NSV Ministrite Noukogu Riiklik Tenduslik-Tehnitline Komitee and Eesti NSV Ametiuhingute Noukogu [State Scientific Technological Committee of the Council of Ministers of the Estonian S. S. R. and the Council of Trade Unions of the Estonian S. S. R.]. Tallinn, vol. 7, no. 12, Dec. 1963. [In Estonian]

TEKHNIKA - MOLODEZHI [TECHNOLOGY FOR YOUTH] Issued by TSentral'nyi Komitet Vsesoiuznogo Leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 31, no. 11, 1963.

Table of contents translated

Mitskevich, A. - Physical phenomena. p. 1.
The Academician A. I. Berg was asked three questions. p. 3.
Reznik, S. - Automatic machinery behind the counter. p. 4.
Rudnitskii, L. - Neman - Dnieper. p. 5.
Fedorova, A. - Chemistry, soil, crops. p. 6.
Losev, V. - Curing of "hydrophobia." p. 8.
Gval, I. - Notes of a designer. p. 10.
Second vocation of Saint-Ex. p. 12.
Writers talk about their work. p. 15.
Narkevich, A. - Lasker trio plays the programs. p. 15
Brief correspondences. p. 16.
Shurshin, V., Massaev, K. - "Homo aquaticus," the aquatic man. p. 10.
Discovery of a new continent. p. 20.
Solov'ev, B. - Sadko visits Neptune. p. 22.
Grigor'ev, V. - This could have happened... p. 23.
Aphorisms of great men. p. 24.
The slide rule is nine thousand years old? p. 25
The ABC's of calculating machines. p. 25.
"Searchlight of the Communist Youth League" calls across the country. p. 26.
Hypnotism in teaching? p. 26.
Nesterenko, A. - Montgolfiers of the twentieth century. p. 29.
Poem of the month. p. 30.
Voronin, B. - The skillful hand from the Virgin territory. p. 30.
Outer-space diploma of a student. p. 31.
Around the world. p. 32.
Food for outer space:
Nekhamkin, I. - Food for men. p. 34.
Kichatov, A. - Food for apparatus. p. 34.
Krasnov, A. - Food for rockets. p. 34.
Skliarskii, A. - Capron is born in a centrifuge. p. 37.
Club of "Tekhnika molodezhi" journal. p. 38.
Shumilin, M. - In the world of books. p. 39.

VSESOIUZNYI SOVET NAUCHNO-TEKHNICHESKIKH OBSHCHESTV. Nauchno-tekhnicheskie obshchestva SSSR [ALL-UNION COUNCIL OF SCIENTIFIC TECHNOLOGICAL SOCIETIES. Scientific Technological Societies of the U. S. S. R.]. Moscow, vol. 5, no. 11(59), Nov. 1963.

Table of contents translated

Abroskin, P. - Creative work inspired by the Great October Revolution. p. 2.
Pavlov, B. - Introduce cybernetics to agriculture. p. 6.
Nekrasov, K. - Important business of the trade unions. p. 10
Gavrilov, A. - Instrument industry today and tomorrow. p. 13.
Dubchak, V. - Masters of blue spaces. p 15
Bobrov, A. - Every spike should be in the bins of our country. p. 16.
Danilenko, G. - Science based on practice. p. 18.
Valershtein, I., Lukina, L., Saf'ian, B. - Cooperation is the pledge of success. p. 19.

At the State Committee on the Coordination of Research in the U.S.S.R p 22
Barskaia, L - Promote creative activity of the members of the society p.24
Lisitskii, B. - Results of the reorganization. p 26
Fgerman, B - Machinery industry workers are learning. p 29.
Bezverkhov, A - Scientists help collective farms. p 31.
Filimonov, A. - With our own forces p 34.
Mikhailov, A - Parting for research p 36
Fazakov, P., Khrestin, N. - Gold below the slope p.38.
Skuratov, M - Comrade director p.41
Sorin, IA - Patriot, scientist, public worker p.43
Ures, M , Blagin, A - Keeping pace with our time p 46
Blinkova, M - Valuable contribution of Soviet specialists. p 49.
Folumenov, S. - Technical creative work and material encouragement. p 52
Bolgarov, N. - Future of semiconductors. p 54.
Fedorov, A. - Outstanding scientist and public worker. p. 56.
Dudek, IU - For the good of our Poland p.59
In leisure hours. p 60.

\ TEKHNICHESKII PROGRESS [FOR TECHNOLOGICAL PROGRESS]. Organ of Gosudarstvennyi komitet Soveta Ministrov Azerbaidzhanskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot and Sovet narodnogo khozlaistva Azerbaidzhanskoi SSR [State Committee of the Council of Ministers of the Azerbaijan S. S. R for the Coordination of Research and the Economic Council of the Azerbaijan S S R.]. Baku, vol. 3, no. 7(31), July 1963.

Table of contents translated.
Gadzhiev, M.A. - Functional summing unit equipped with condensers for multiplexing channels by the frequency method. p.1.
Bekhrudov, V.G. - Calculating magnetic circuit for the pickup of the AGM-2 level indicator. p.4.
Mamedov, P.Z., Akhundova, S.B. - Using the curve transformation method for frequency analysis of high-frequency pulses based on the investigation of models. p.6.
Balakishiev, G.A., Kolchin, V.A. - Theory of ultrasonic flowmeters. p.8.
Aslan-Zade, G.A. - Determining the voltage magnitude of chromium-plating baths. p.10.
Abas-Zade, A.K., Gylmanov, A.A. - Theory of a cylindrical bicalorimeter for measuring heat conductivity of thermal insulators. p.13.
Nazlev, IA.M. - Using the method of nonstationary thermal conditions in determining the heat conductivity of liquids and gases at high pressures. p.16.
Dzhafarov, A.M. - Effect of the shape of conjugated surfaces on the structure and properties of seam metal in case of a resistance butt welding. p.20.
Abdulzade, A.M., Mamedov, T.R. - Wear of the bearings of milling drill bits. p.23.
Ismailov, M.A. - Comparative evaluation of the performance of ball elements of drill-bit bearings. p.25.
Ramazanov, R.A. - Tightness calculation of flanged couplings of equipment for hermetic sealing of a flowing-well mouth. p.27.
Mamedov, S.R. - Desulfuration of basic electrical steel during the oxidizing melting period. p.31.
Karaev, M.A. - Supply ratio of a piston pump at high pressures. p.33.
Alimov, A.K. - Using shell-rock filters in drill holes for experimental pumping. p.36.
Stepanov, I.N., Agaev, Sh. M. - System of hydrochemical zoning of the snow cover in Azerbaijan. p.38.
Tagiev, K.B. - Railroad ferry from Baku to Krasnovodsk and its economic efficiency. p.42.
Bagirov, A.IU. - Consumption of raw materials and its accounting in the tea industry. p.46.
Gazvinov, A.G. - Economic efficiency of a field and centralized drying and cleaning of raw cotton. p.47.

Vol. 3, no. 10(34), Oct. 1963.

Table of contents translated:
Topchibashev, M.A., Zeinalov, R.I. - Automatic control of operating conditions of a standard petroleum refining unit by the quality of raw materials and residue. p.1.
Edush, V.IA., Dadasheva, R.B. - Noncontact induction rheochord with an all steel magnetic circuit. p.6.
Aliev, G.Sh. - Investigating the recuperative braking system for streetcars. p.10.
Abdulrakhmanov, K.A. - Copper losses in an asynchronous motor with current supply from a traction substation for electric mercury-rectifier locomotives. p.14.
Buzdakov, A.P., Rustamov, E.M. - Strengthening the plunger pair of depth pumps. p.17.
Mamedkhanov, N.K. - Honing cast-iron bushings for depth pumps. p.20.
Musael'iants, A.M. - Screw thread cutting in tool joints. p.21
Kerimov, A.D. - Barytes of Azerbaijan and their utilization in industry. p.28.
Kazanskii, I.B. - Using induction methods for measuring hydrodynamic parameters of a hydraulic pressure conveying system. p.32.
Veliev, N.A., Gadzhibekov, N.G. - Calculating elements of spring and summer floods of the rivers of the northeastern slope of Lesser Caucasus in the limits of Azerbaijan p.34.
Krasil'shchikov, L.A. - Calculating the balance of underground waters of the continental strata of Kirovabad-Kazakh inclined plain. p.37.
Agaev, A.F., Aristakesian, L.A. - Increasing the turnover of tank cars. p.40.
Stel'tsova, E.N. - Bibliography in the service of industrial production. p.44.
Amirgov, K.A. - Mathematical methods and electronic computers used in the planning of petroleum refining. p.45.

* ZHURNAL TEKHNICHESKOI FIZIKI [JOURNAL OF TECHNICAL PHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 33, no. 11, Nov. 1963.

Table of contents translated.
Dikii, G.P. - Sources of spherical eddies in magnetohydrodynamics. p.1285.
Kopylov, G.N. - Laminar flow of a charged liquid in a plane tube under the action of an external electrostatic field. p.1290.
Kochanov, E.S. - Determination of trajectories in a plane three-electrode lens. p.1301.
Lominadze, D.G., Stepanov, K.N. - Induction of low-frequency oscillations in a magnetoactive plasma by a flux of charged particles. p.1311.
Pataraia, A.D. - Structure of an isolated wave propagating along a magnetic field. p.1315.
Naryshkina, L.G. - Radiation from a charged particle moving in a dielectric layer. p.1318.
Iogansen, L.V. - Theory of resonance electromagnetic systems with total internal reflection. Part 2. p.1323.
Donskoi, K.V., Drobyshevskii, E.M., Nazarov, E.V. - Ion wind effect on the rotation of a plasma in mutually opposed fields. p.1328.
Anisimov, S.I., Khodyko, IU.V. - Flow of a gas with delayed vibrations past the frontal critical point of a blunt-nosed body. p.1333.
Drobyshevskii, E.M. - Effect of the Hall current on a rotating plasma in mutually opposed fields. p.1338.
Biberman, L.M., IAkubov, I.T. - Establishment of ionization equilibrium behind the shock wave front in an atomic gas. p.1344.
Sitenko, A.G., Kirochkin, IU.IA. - Scattering and transformations of waves due to thermal fluctuations in magnetohydrodynamics. p.1354.
Bogdanov, A.V. - Ionic oscillations in a molecular plasma. p.1366.
Anisimov, A.I., Vinogradov, N.I., Golant, V.E. - Use of the resonator method in studying the break-up of a plasma in a magnetic field. p.1370.
Skal'skaia, I.P. - Refelction of cylindrical waves by a wedge-shaped mirror with impedance walls. p.1378.
Grinberg, G.A. - Plane-parallel flow of a fluid with time-dependent conductance in a transversal magnetic field. p.1384.
Grinberg, G.A. - Solution of three-dimensional static and wave problems for a screen shaped as an infinite thin sectorial plate. p.1387.
Grinberg, G.A. - Solution of the static and wave problems for screens shaped as a cone or part of a conical surface. p.1392.
Chistiakov, P.N. - Detectability of residual dielectric films on metal surfaces. p.1395.
Kondratenko, A.N. - "Decay" type of wave instability in plasma wave guides. p.1397.
Babichev, A.P., Karchevskii, A.I., Muromkin, IU.A. - Some characteristics of a toroidal discharge. p.1400.

Vol. 33, no. 12, Dec. 1963.

Table of contents translated:
Reikhrudel', E.M., Smirnitskaia, G.V. - Modern ultrahigh vacuum techniques. p.1405.
Grinberg, G.A. - Diffusion break-up of a plasma in a magnetic field in the presence of nonlinear effects. p.1430.
Mineev, F.I., Kovpik, O.F. - Selection and primary focusing of ions in a source of multiply charged ions. p.1444.
Zhilelko, G.I. - Parameters of a buncher for a linear traveling wave electronic accelerator following a prescribed bunching law. p.1449.
Kagan, A.S. - Intensities of the diffraction reflections of a specimen with axial texture. p.1456.
Gorelik, L.L. - Gas analyzers for oxygen determination based on its varying heat conductivity in a magnetic field. p.1459.
Lebedev, M.A., Gus'kov, IU.K. - Electric breakdown in cesium vapor. p.1462.
Poberezhskii, L.P. - Measuring the speed and electroconductivity of ionized gas flows. p.1464.
Poberezhskii, L.P. - Measuring the electroconductivity of gas jets. p.1469.
Lebedev, S.IA., Stavisskii, IU.IA. - Surface ionization of cesium as its vapors diffuse through porous nickel. p.1473.
Lebedev, S.IA., Stavisskii, IU.IA. - Adsorption energy of cesium ions on a metal surface. p.1474.
Skorniakov, G.V. - One characteristic of plasma heating in toroidal systems. p.1477.
Skorniakov, G.V. - Stability of the topology of a magnetic field. p.1478.
Author index of vol. 33, 1963. pp. 1483, 1502.
Index of articles published in vol. 33, 1963. pp. 1491, 1513.

b AERONAUTICS

GRAZHDANSKAIA AVIATSIIA [CIVIL AVIATION] Issued by Glavnoe upravlenie grazhdanskogo vozdushnogo flota pri Sovete Ministrov SSSR [Main Administration of Civil Aviation, Attached to the Council of Ministers of the U.S.S.R.] Moscow, vol. 20, no. 10, Oct. 1963

Table of contents translated:
Molchanov, I. - Bounties of work. pp. 2 of cover, 1.
From newspapers. p.5.
Loyalty to communism leads to victory. p.6.
Nosov, E. - Boris. p.7.
Gusev, IU. - Fall; verse. p.7.
Skripnik, F. - Ivan Bogusiavskii. p.8.
IArilov, A. - For high principles, objectivity, efficiency. p.10.
Techchurin, I. - Rays of our "Communist-youth projector." p.12.
Runov, A. - Steps to the great space. p.13.
Space paradoxes. p.15.
Aeronautical kaleidoscope. p.16.
Sushko, V., Simonova, L. - Urgent descent of the Il-18 airplane. p.18.
Mukhordykh, E. - Life introduces amendments. p.20.
Markelov, N. - Internal and external potentialities. p.21.
Ready to share. p.22.
Kontar', V. - Airplanes, poisonous chemicals, crop, abundance. p.24.
Shipov, V. - Personal parochial view. p.28.
Vasil'eva, G. - State Research Institute requests advice. p.28.
Gol'tsov, V. - We cannot cooperate with you. p.29.
Volokitin, I., Malanchev, L. - When first violins play out of tune. p.30.
Aristov, IU. - Aeronautical cartography. p.32.

MOSCOW, AVIATSIONNYI TEKHNOLOGICHESKII INSTITUT. Trudy [TECHNOLOGICAL INSTITUTE OF AERONAUTICS. Transactions]. No. 57, 1963. Novye tekhnologicheskie protsessy pri obrabotke metallov davleniem [New technological processes in metal working by pressure].

Table of contents translated:
Preface. p.3.
Kolpashnikov, A.I. - Distribution of the rate of metal movement, deformation, and stress in an ingot cross section during the rolling of aluminum alloys. p.5.
Semenov, V.A. - Nonoxidizing heating of blanks in a protective atmosphere with lithium vapor. p.17.
Ivanov, I.I., TSipulin, I.P. - Manufacture of bimetal rods and wire of aluminum alloys. p.25.
TSipulin, I.P. - Possibility of using sodium stearate and its substitutes as lubricants in the extrusion of light alloys. p.27.
Sukharov, G.S., Evlanov, N.G. - Liquid metal forging of thin-walled parts. p.40.
Kolpashnikov, A.I., and others. - Developing a procedure for the manufacture and investigating the physicomechanical properties of thin magnesium alloy sheets. p.58.
Malan'in, A.V., Kolpashnikov, A.I., Gorokhov, V.P. - Investigating conditions of seizing during the mutual plastic deformation of duralumin-type alloys with alloys of the system Al - Mg. p.66.
Dmitriev, IU.V. - Improving the resistance spot welding of D16 alloy sheets by cladding with an AMg alloy. p.91.
Palsov, A.I. - Electron microscopy of SAP[sintered aluminum powder]with the help of coal replicas. p.95.
Kolpashnikov, A.I., Dmitriev, IU.V., Shlenskii, G.N. - Cladding of SAP [sintered aluminum powder]. p.99.
Kolpashnikov, A.I., Shlenskii, G.N. - Ways of increasing the weight of blanks for the rolling of SAP [sintered aluminum powder] sheets. p.104.
Kolpashnikov, A.I., Dmitriev, IU.V. - Strength of clad sheet SAP [sintered aluminum powder]. p.110.
Comparative evaluation of the weldability of resistance welding of clad and nonclad SAP [sintered aluminum powder]. p.114.
Orlov, B.D., Dmitriev, IU.V. - Technology of electric spot and roll welding of clad SAP [sintered aluminum powder]. p.120.

Pirson, A. I., Silenskii, G. N., Sergeeva, L. N. - Structural changes during the heating of SAP [sintered aluminum powder]. p. 127.

Pirson, A. I., Sergeeva, L. N. - Character of the distribution of the oxide phase in SAP [sintered aluminum powder]. p. 130.

REFERATIVNYI ZHURNAL AVIATSIONNYE I RAKETNYE DVIGATELI (Otd. Pub. Vypusk 34) [JOURNAL OF ABSTRACTS, AIRCRAFT AND ROCKET ENGINES (Separate Issue 34)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Moscow, no. 12, Dec. 1963

VOPROSY RAKETNOI TEKHNIKI, sbornik perevodov i obzorov inostrannoi periodicheskoi literatury [PROBLEMS OF ROCKET ENGINEERING, Translations and Surveys of Foreign Periodical Literature]. Published by Izd-vo inostrannoi lit-ry [Publishing House of Foreign Literature] Moscow, vol. 13, no. 11(107), 1963

C CHEMICAL TECHNOLOGY

KHIMICHESKAIA PROMYSHLENNOST' [CHEMICAL INDUSTRIES] Organ of Gosudarstvennyi komitet khimicheskoi i neftianoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical and Petroleum Industry, Attached to the State Planning Committee of the U. S. S. R.] Moscow, no. 8, Aug. 1963.

Table of contents translated:

Borisovich, G. F., Khokhlakov, P. A., Rozina, R. A. - Development of the production of ethylene, propylene, and acetylene. p. 561.

Telegin, V. G., Sidorov, V. A. - Alkylation of toluene with acetylene in a reactor with a screened electric motor. p. 567.

IAkubovich, I. A., and others. - Method of preparing crystalline acrylamide. p. 570.

Serpigova, N. N., Sokol'skii, V. A., Zhavoronkov, N. M. - Purification of raw acrylonitrile. p. 572.

Eru, I. I., Marlich, L. I., Lange, A. A. - Preparation of high purity cyclohexane from a narrow benzene fraction of crude benzene. p. 576.

Khazanova, N. E., Linshits, L. P. - Diffusion of hydrogen in cyclohexane at elevated pressure. p. 579.

Vlasenko, V. M., and others. - Industrial catalytic purification of a nitrogen-hydrogen mixture by the removal of carbon monoxide and carbon dioxide. p. 583.

Oganov, K. A., Turovskii, G. I. - Empirical equations for the process of pyrolysis of ethane-propane hydrocarbons. p. 586.

Estrin, B. M., Sokolinskii, F. D. - Purification of technical gases having a high oxygen content. p. 588.

Zingailo, IA. V., Shpak, L. I. - Effect of potassium addition on the rate of regeneration of a zinc-chromium catalyst. p. 591.

Maslov, P. G., Maslov, IU. P. - Determination of the heats of combustion and evaporation of benzene derivatives. p. 594.

Matveev, S. F., Kolpakov, V. A., Rebitskii, A. F. - Developing a method of automatic control of nitrocotum composition. p. 596.

Lapin, IA. S. - Electrolysis of water under pressure. p. 600.

Vasserman, I. M., Fomina, E. A. - Continuous process of chemical precipitation with automatic control. p. 607.

Rips, S. M. - Admissible extent of innage of bottles with liquefied hydrocarbons. p. 610.

Mordkovich, B. I. - Vibrational losses in continuous chemical manufactures. p. 613.

Bondarenko, P. S., Palilov, I. M. - Control of manipulators of automatic conveying systems. p. 616.

Kagan, A. M., Gel'perin, I. I. - Effect of the thermophysical properties of gases on their heat transfer in the presence of granular materials. p. 620.

Kuznetsov, V. V., Mallusov, V. A. - Effect of the temperature and the aggregate state of binary mixtures on their separation by means of cellophane. p. 622.

Derevicher, A. B., Pishchulin, I. P. - New kinds of containers made of worn tire casings for the packing of chemicals. p. 626.

Gurevich, IA. M. - Annotation of patent handbooks by subject matters. p. 628.

Bykov, I. K. - Basic principles of the organization and management of chemical enterprises in the U. S. A. p. 629.

Books published by the State Scientific and Technical Publishing House of Chemical Literature. p. 635.

No. 9, Sep. 1963.

Table of contents translated:

Slin'ko, M. G., Beskov, V. S., Skomorokhov, V. B. - Stability of contact apparatus having internal heat exchange. p. 641.

Tiurlaev, I. IS., and others - Synthesis of isoprene from propylene. p. 647.

Shenderei, E. R., Ivanovskii, F. P. - Separation of acetylene from gases yielded during thermal oxidative pyrolysis of hydrocarbons by using a selective solvent. p. 650.

Kunkin, D. F., Rudkovskii, D. M. - Formation of cobalt carbonyls from metallic cobalt (powder) and carbon monoxide. p. 655

Punskr, A. E. - Kinetics of the vapor-phase dealkylation of polyethyl benzenes over aluminosilicates. p. 660.

Brunshtein, B. A., Klimenko, V. L. - Economics of the oxidation of paraffins. p. 662.

Promova, Z. A., Minkova, N. L. - Production of concentrated phosphorus fertilizers by the distillation of nitrate extracts. p. 665.

Tabunshchikov, N. P., Strigunov, F. I. - Ways of lowering the cost of lime. p. 670.

Tripol'skii, A. A., Chernega, L. G. - Prospects for the utilization of potassium carbonate in the national economy. p. 675.

Kolotyrkin, IA. M. - Pitting corrosion of metals. p. 678.

Galkin, N. P., and others - Thermodynamic analysis of the process of condensation of hydrogen fluoride from its mixture with water vapor, hydrogen, and carbon monoxide. p. 686.

TSiklis, D. S., Shenderei, L. I. - Solubility of oxygen-nitrogen mixtures in toluene. p. 690.

Zagranichnyi, V. I., Poliakova, Z. A. - Solubility in water of melamine and some of its derivatives. p. 692.

Umnik, N. N., Mallusov, V. A. - Separation of binary multicomponent mixtures by multistage molecular distillation. p. 694.

Planovskii, A. N., Vertiuzaev, E. D. - Division of the total coefficient of mass transfer into partial coefficients. p. 700.

Aerov, M. E., and others - Hydraulics and mass transfer in the intertubular space of a heat-exchange column. p. 703.

Dil'man, V. V., Aizenbud, M. B., Zhiliaeva, T. A. - Determination of the linear turbulent diffusion coefficient in a flow-type bubbling column under unsteady conditions. p. 705.

Khaus, O. M. - Means of increasing the production of phosphorite meal at the Moscow Region Chemical Mining Combine. p. 707.

Solnov, A. G., IUdin, A. M. - Use of automated filter presses for the separation of suspensions in the production of phosphorus salts. p. 709.

Lukianov, N. G. - Chamber mining with roof support by removable bolts. p. 710.

Brief news. p. 713.

*KHIMIIA I TEKHNOLOGIIA TOPLIV I MASEL [CHEMISTRY AND TECHNOLOGY OF FUEL AND OIL]. Issued by Gosudarstvennyi komitet khimicheskoi i neftianoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical and Petroleum Industry, Attached to the State Planning Committee of the U. S. S. R.] and others. Moscow, vol. 8, no. 11, Nov. 1963.

Table of contents translated:

Forty-sixth anniversary of the Great October Socialist Revolution. p. 1.

Mikhailov, I. A., Loktionova, E. L. - Adsorption properties of molecular sieves during liquid phase sorption of hydrocarbons. p. 4.

Kozik, B. L., Pestrikov, S. V., Savel'ev, A. F. - Oxidation of butylenes to methyl ethyl ketone in the presence of palladium chloride. p. 11.

Lebedeva, N. M., and others. - Selecting the optimum conditions for the oxidation of paraffins in a foam state. p. 15.

Grishin, A. P., Goncharov, S. V., Mamulov, F. G. - Solution of sodium silicate with a modulus M-2, 85 in water under the action of an ultrasound field. p. 21.

Le, B., and others. - Raman spectra of normal paraffinic hydrocarbons C_{11} - C_{17} and their spin-lattice relaxation time. p. 22.

Abrashev, G. P., and others. - Crude oil of the Dolni Dubnik field. p. 24.

Rusinov, I. E., and others. - New catalysts for the production of synthetic fatty acids. p. 30.

Matveev, M. S. - Water utilization and purification of waste waters at the Novo-Gor'kovskiy petroleum refinery. p. 35.

Perevalov, V. G., Karapaev, B. I. - Industrial purification of waste water by flotation. p. 39.

Feigin, S. A., and others. - Economic prospect for the use of high-sulfur mazut by electric power plants. p. 43.

Kazakevich, V. E., and others. - Automatic sampling in preparative chromatography. p. 49.

Krein, S. E., Vipper, A. B., Shkhter, IU. N. - Solubilization of the contamination products of motor oils by the cleaning action of metal sulfonates. p. 52.

Zrelov, V. N., and others. - Chemical composition of trace contaminants in jet fuels made from sulfur-bearing crude oils. p. 57.

Kiazimov, A. A., Khaldei, Z. V., Khar'kovskii, IU. I. - Colorimetric method for determining furfurole in the products and waste water of the selective purification of oils. p. 61.

Growth of the industry of chemical products [illegible] petroleum crudes. p. 65.

Fourth symposium on gas chromatography in the German Democratic Republic. p. 66.

Useful book. p. 67.

*KOKS I KHIMIIA [COKE AND CHEMISTRY] Organ Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U. S. S. R.] and others. Moscow, no. 11, 1963.

Table of contents translated

Chemical products from coking for the [illegible] p. 3.

Antonov, A. T. - Glorious tenth anniversary [illegible] p. 5

Papushin, I. I., Belzer, V. N., Millutin, O. M. - Investigating rock disintegration by [illegible] p. 12

Bolotin, IA. S., and others. - Modernization [illegible] drying systems at the Yasinovka Coke and Coal Chemicals Plant. p. 14

Bellin, M. I., and others. - Experimental [illegible] slurry drying in a fluidized bed. p. 18

Millutin, O. M., Dobylev, N. P. - Industrial [illegible] of the GRK-02 resonance screen. p. 21

Bocharov, N. G. - Introducing a new profession [illegible] the modern coal preparation plants. p. 24

Pavlova, N. P., Degtiarev, K. A., Novikova, [illegible] Testing of coke produced in high-capacity [illegible] p. 25.

Didenko, V. E. - Tasks for the improvement [illegible] quality of blast-furnace coke, facing the [illegible] coal chemical plants in the Ukraine. p. [illegible]

Zaslavskaia, V. G., Voloshin, A. I., Mirotvortsev, A. M. - Tasks for the improvement of the [illegible] of blast-furnace coke, facing the coke and coal chemicals plants in the Ukraine. p. [illegible]

Leonov, A. S. - Improve the removal of [illegible] from the coking chambers. p. 41

Zin'kovskaia, S. I., Maksimova, N. I. - Determination [illegible] coke-oven gas in the gas producing shop [illegible] Yasinovka Coke and Coal Chemicals Plant. p. 42

Faingol'd, S. G., Leonova, N. A. - New method [illegible] the denitration of sulfuric acid. p. 44.

Leonova, N. A., Furman, I. N. - Method for determining the total amount of coloring substances [illegible] ammonium sulfate. p. 47.

Gorokhov, N. N. - Comparison of some [illegible] dices in the operation of slope for sulfur [illegible] by potassium carbonates and soda potash [illegible] carbonate mixtures. p. 48.

Kortikov, V. S., Zykov, D. D. - Calculating the [illegible] tillation process of a multicomponent mixture [illegible] conditional equilibrium curve. p. 49.

TSeidler, V. P. - Sodium tripolyphosphate [illegible] of the water for the circulating systems of water coolers. p. 54

Rabinovich, A. I. - Lengthening the service life [illegible] equipment. p. 57.

Mitrofanov, N. I. - New type of stone casting [illegible] paving plates of coke wharfs. p. 58

Var'ev, V. I., Mitlushkin, V. G., Kononenko, I. [illegible] - Experience in the operation of power supply [illegible] plants in a factory. p. 59.

From pages of the factory wall newspapers. p. 61

Demina, T. I. - In the Kharkov Coke and Coal Chemicals Plant. p. 62.

Production of jet fuel from coal. p. 63.

Future of coal chemicals. p. 63.

Medvedev, A. V., Petukhov, V. N. - Our profession. p. [illegible]

KONSERVNAIA I OVOSHCHESUSHIL'NAIA PROMYSHLENNOST' [THE CANNING AND DEHYDRATED VEGETABLE INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific Technological Society of the Food Industry] Moscow, vol. 18, no. 11, Nov. 1963.

Table of contents translated

Canning industry during the 46 years of the Soviet regime. p. 1.

Berestov, I. F., Golovina, N. V., Pukhal'skii, I. M. - Communist labor movement in the "Stavkraft" Canning Plant in Rostov. p. 3.

Uvarova, T. V. - Food Combine of the Order of [illegible] in Moscow strives to obtain the title of enterprise of communist labor. p. 5

Dubrovskii, M. A. - Socialist competition between enterprises of Moscow and of Leningrad. p. [illegible]

Podkopaev, A. N. - For an improvement of the quality and widening of the assortment of products. p. [illegible]

Druliuk, V. IA. - Development of the canning [illegible] under the Economic Council of the Estonian S. S. R. p. 12.

Fedorovich, G. A., Mamin, V. N. - Efficiency of using machinery for the removal of impurities [illegible] pea husking. p. 14.

Mordkovich, M. S., Raik, S. IA., Arasimovich, V. [illegible] - Losses of pectin substances in the production of tomato paste. p. 19.

Mineev, A.M. - Heat conductivity of apple and grape juice. p. 21.

Grigorash, M.P. - Preparing dried potatoes for briquetting. p. 24

Vysotskiy, A.N., Gromov, M.A. - Thermophysical properties of potatoes and vegetables. p. 25

Smirnov, L.S., Vasilomeev, V.G., Ilichenko, A.L. - Manufacture of "SKO" covers from lacquer-coated aluminum. p. 28

Kovtun, V.P., Kovtun, P.P. - New materials for solid lacquer coating of tinned sheet steel. p. 30

Feshchun, G.M., Kupretishvili, A.Iu. - Losses in the weight of citrus fruits in railroad transportation. p. 33.

Il'inskii, A.A. - Lengthening the season of strawberry processing. p. 36.

Gorina, L.G., Ivanchenko, A.G. - Chemical and technological properties of the promising popcorn hybrids. p. 38.

Portnoi, A.G. - Some results of using standard costs of repair work. p. 40

Braid, S. - Use of pectolytic enzymes in the processing of grape pulp. p. 42.

Consultation. p. 43

Sushov, I.A. - Conference on the future development of the canning and dried vegetables industry of the Podolian Economic Region. p. 44.

From pages of newspapers. p. 46.

LENINGRAD. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GIDROLIZNOI I SUL'FITNO-SPIRTOVOI PROMYSHLENNOSTI. Sbornik trudov [STATE SCIENTIFIC RESEARCH INSTITUTE OF THE HYDROLYTIC, SULFITE, AND ALCOHOL INDUSTRY. Papers]. Moscow, vol. 11, 1963.

Table of contents translated

Preface. p. 5.

Sapunova, M.E., and others. - Pentose hydrolysis of cottonseed hulls and corncobs with hexose hydrolyzates. p. 7.

Klimin, V.A., Molchanova, M.N., Shatkov, V.I. - Treatment of sunflower seed shells in a continuous horizontal pilot hydrolyzer. p. 16.

Gel'perin, E.M., Tyshetskaia, O.V. - Special features of the stripping of hydrogen chloride from thickened hydrolyzates. p. 23.

Gel'perin, I.M., Tyshetskaia, O.V. - Stripping of hydrogen chloride from hydrochloric hydrolyzates at atmospheric pressure. p. 31.

Gel'perin, I.M., Tyshchetskaia, O.V. - Improvement of the evaporation of hydrochloric hydrolyzate. p. 41.

Komarova, L.I., Vasil'eva, K.A., Fisher, P.N. - Production of protein-carbohydrate fodder from straw and corncobs. p. 49.

Lebedev, N.V., Damikova, A.A. - Higher yields of crystalline glucose during the degradation of a double compound of glucose and sodium chloride. p. 56.

Fine'Planov, I.E., Lebedev, N.V., Vakhrusheva, K.P. - Composition of semifinished products obtained in the preparation of crystalline glucose from wood. p. 60.

Burkhonteeva, V.N., Polikhina, R.M. - Quantitative determination of polyatomic alcohols by the chromatogram elution method. p. 73.

Leikin, E.R., Gotina, S.L., Moshkova, V.IA. - Development of the method of purification of xylose solution prior to hydrogenation. p. 77.

Leikin, E.R. - Dynamics of the change of the pH of xylose solution during the hydrogenation and degradation of xylose sugar in an alkaline medium. p. 86.

Batysheva, G.S., Vasilenina, N.A., Chepigo, S.V. - Preparation of anhydrohexitol by hydrogenation of levoglucosan. p. 94.

Sapunitskii, S.A., Glushchenko, N.V. - Upgrading of sulfite liquor for the biosynthesis of antibiotics. p. 102.

Kamaldina, O.D., Volynskii, V.E. - Preparation of vanillic acid for the synthesis of polymeric fibers. p. 108.

Ivanova, V.A., Patsiuk, M.L., Kozlova, E.A. - Preparation of furfurole by the "Aggifuran" battery method. p. 119.

Tsivin, M.A., Ivanova, V.A. - Ways of improving the quality of furfurole. p. 127.

Kozlov, A.I. - State of and means of improving the economics of fodder yeast production from raw materials. p. 139.

Kozlov, A.I., Sokolova, V.G. - Economics and prospects for the production of liquid and solid carbonic acid by the hydrolysis plants. p. 148.

Kozlov, A.I. - Additional means of increasing the efficiency of fodder yeast production from nonedible raw plant materials. p. 157.

MASLOBOINO-ZHIROVAIA PROMYSHLENNOST' [OILS AND FATS INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 28, no. 10, Oct. 1962.

Table of contents translated:

Road of glorious labor victories. p. 1.

Results of the work of the oils and fats industry of the Russian S F S R during the first half of 1962. p. 6.

Frolov, T.V. - Contribution of the State Nikita Botanic Gardens to the development of the industry *of essential oils*. p. 10.

Training of specialists in the All-Union Correspondence Institute of the Food Industry. p. 12

Kopeikovskii, V.M., Kostenko, V.K. - Effect of the flow rate of the heat carrier on the rate of drying of sunflower *seeds*. p. 13

Gordienko, V.A., Rashkovan, D.I. - Simplified method for the preparation of sunflower seed samples for oiliness analysis. p. 16

Leont'evskii, K.E., Tikhonov, M.I., Chudnovskaia, M.A. - *Effect of surface-active substances on oil yield in pressing*. p. 17.

Kozlova, I.I., Ermakova, P.M. - Changes in the acid and peroxide number of oil during prolonged storage. p. 20.

Nevolin, F.V., and others. - Surface-active characteristics and detergency of some polyethylene esters of nonyl phenols. p. 22.

Orechkin, D.B., Popova, N.V., Shepot'ko, O.F. - Effect of alkylolamide admixtures on the properties of alkyl aryl sulfonates. p. 27.

Zarembo, G.V., Gel'perin, L.A. - Redesigned MP-21 press. p. 29.

Spinov, R.I. - Filtration of micelles. p. 32.

Pen'kov, G.K. - Experience in the processing of foreign oil cakes. p. 35

Rakhman, B.E. - Mechanization of the unloading of *cottonseed from trucks*. p. 37

Matsuk, IU.P. - Production of copra and utilization of coconut and palm oil in Indonesia. p. 38.

Khomutov, B.L., Korolev, G.V. - *Concerning N.M. Emanuel and IU.N. Liaskovskaia's book "Retarding oxidation processes in oils and fats."* p. 40.

Frid, G.S. - From foreign literature on patents in the oils and fats industry. p. 42.

Maztukevich, V.A. - Manufacture of a new type of margarine. p. 43.

Public inspection of the fulfillment of the plans for research work and of the introduction of the achievements of science and technology in the national *economy*. p. 11

Bukharin, V.V. - All-Union conference on labor protection and safety engineering. p. 45

Stysin, E.IA. - Transportation of oils and fats in *bulk*. p. 47

Izrail' L'vovich Bat'; obituary. p. 47.

Aleksandr Petrovich Zhuravlev, obituary. p. 47.

Vol. 28, no. 10, Oct. 1963.

Table of contents translated.

Kozlov, S.M. - Socialist competition in the enter*prises of the oils, fats, perfumes, and cosmetics* industry of the Moscow City Economic Council. p. 1.

Leont'evskii, K.E., Chudnovskaia, M.A. - Methods for determining the degree of crushing of oil-bearing materials. p. 3.

Markman, A.L., Makhadaminov, M.D. - New methods for the extraction of gossypol. p. 6.

Ovcharenko, V.E., Nechaeva, A.V. - Evaluating the quality of the crushing of oilseeds or their kernels. p. 8.

Kozin, N.I., Makarenko, E.N. - Polymorphic transformations of the individual components of the oil base of margarine. p. 11.

Nevolin, F.V. - Factors affecting the drying process of the composition of synthetic cleaning compounds and characteristics of the obtained powders. p. 15.

Zaks, A.V., Muchnik, M.I. - Observations concerning the fundamental equation of statics of a vacuum chamber plant for the processing of soap stock. p. 17.

Garshenin, V.F. - Permissible concentration limit of alkyl benzenesulfonates and alkyl sulfonates in water reservoirs. p. 20.

Kukolev, P.A. - Propagation of essential-oil roses by the method of complete vegetative regeneration. p. 23.

Ponomarev, E.D. - Hydraulic resistance of activated carbon during the dynamic sorption. p. 26

Kopeikovskii, V.M., and others. - Drying and threshing of castor plant bolls under industrial conditions. p. 28.

Promet, G.K., and others. - Device for the removal of harmful wastes in the production of "oksol" drying oil. p. 30.

Indeikina, T.A., Boldyreva, M.V. - Refining of sunflower seed oil with sodium *silicate*. p. 33.

Bakaldina, K.V. - Cyclic washing of ripe conduits and equipment of mayonnaise plants. p. 35.

Bortnik, IU.F. - Fractioning of animal fats. p. 36.

Chepchurov, IA.I., Ganin, IU.V., Latyshev, I.E. - Device for determining the acid numbers of the products of paraffin oxidation. p. 37.

Lissov, E.F., Kachenovskii, O.A. - Belt conveyor dryer for bottle drying. p. 38.

Erpuleva, K.I. - Regeneration of the wastes of alcohol used for determining the acid numbers of oils and fats. p. 39.

Shmidt, A.A. - Review of A. Andersen's book "Refining of oils and fats." p. 40.

Maztukevich, V.A. - Use of acetoglycerides in various branches of the oils and fats industry. p. 41.

Shavorkhina, E.A. - New dentifrices. p. 42.

Bukharin, V.V. - In the Central Committee of the Food Industry Workers. p. 43.

Conference on the automation of oil extraction operations. p. 44.

Publication plan of the "Masloboino-zhirovaia promyshlennost'" journal for 1964. p. 45.

Vol. 29, no. 11, Nov. 1963.

Table of contents *translated*

"Chemization" of the manufacture of detergents. p. 1.

Markman, A.L. - Chemistry in the oils and fats industry. p. 4.

Tovbin, I.M. - Make wider use of plastics in the perfumery and cosmetics industry. p. 9.

Smirnova, R.I. - Method for the acceleration of the ripening of sunflowers. p. 12.

Markman, A.L., and others. - Dynamics of gossypol extraction. p. 13.

Miloserdov, P.N., Gel'perin, N.I., Naumenko, P.V. - Distillation and rectification of synthetic fatty acids. p. 16.

Vorob'ev, N.V. - Chromatographic method of quantitative analysis of a mixture of higher fatty acids with the use of the MF-4 microphotometer. p. 22.

Omel'chenko, F.S., Kamyshan, M.A. - Kinetics of the amidation of fatty acids with monoethanolamine. p. 26.

Budagian, S.A., Tovbin, I.M. - Fifteenth anniversary of the SDV (Synthetic ethereal substances) Combine in Kaluga. p. 29.

Kasparov, G.N., Pollakov, A.F., Shapovalov, E.N. - Spectrophotometric study of the ripening of perfumery liquids. p. 33.

Rusinov, I.E., Kudriashov, A.I. - Production of catalysts for paraffin oxidation. p. 37.

Alferova, L.A., and others. - Amount of acid waters formed in the manufacture of fatty acids. p. 40.

Gladkaia, V.F., and others. - Processing of whale oil. p. 43.

On the occasion of the 75th birthday of Pavel Denisovich Kupchinskii. p. 47.

MOSCOW. KHIMIKO-TEKHNOLOGICHESKII INSTITUT. Trudy [INSTITUTE OF CHEMICAL TECHNOLOGY Transactions]. No. 37, 1962. Issledovaniia v oblasti khimii i tekhnologii stekla i keramiki [Research in the field of the chemistry and technology of glass and ceramics].

Kitaigorodskii, I.I. - Research conducted by the Department of Glass Technology; report of the Scientific Technological Conference devoted to the 40th anniversary of the Moscow Institute of Chemical Technology. p. 5.

Tarasov, V.V. - Inorganic high polymers and new physical methods for their study. p. 11.

Matveev, M.A., Rabukhin, A.I. - Investigating the physicochemical properties of sodium and potassium silicates in connection with their structure. p. 32.

Matveev, G.M., Gankirzh, V.IA. - Thermodynamic analysis of reactions in solid phases in the system $Na_2O - SiO_2$. p. 44.

Matveev, M.A. - Thermographic study of sodium and lithium silicates. p. 49.

Matveev, M.A. - Thermographic study of sodium and *lithium silicates*. p. 49.

Gladkov, A.V. - Polymeric structure of inorganic *glass*. p. 58.

Pichugin, E.F., Karabutova, E.A. - Poisson ratio of *silicate glasses*. p. 64.

Matveev, M.A., Semenov, I.N. - Effect of the chemical stability of glass on its microhardness. p. 71.

Sil'vestrovich, S.I., Rabinovich, E.M. - Glass crystallization in the system $SiO_2 - Al_2O_3 - MgO - R_2O$ in the presence of additives. p. 75.

Sil'vestrovich, S.I. - Opal glass opacified by TiO_2 and ZrO_2. p. 85.

Tarasov, V.V., Ratobyl'skaia, V.A. - Thermal polymerization and depolymerization of glasslike arsenic trisulfide. p. 99.

Ginzburg, D.B., Khazin, E.A. - Effect of temperature on the intensity of glassmaking. p. 106.

Pichugin, E.F., Karabutova, E.A. - Investigating the wetting by molten glass of the spinnerette plate material. p. 111.

Matveev, M.A. - Obtaining soluble glass from a silicate lump in a vibration mill. p. 120.

Belavin, I.A. - Kinetics of the firing of corundum ceramics with participation of the liquid phase. p. 123.

Pavlushkin, N.M. - Effect of the addition of elements of the second group on the properties of fired corun*dum*. p. 135.

Duderov, G.N. - Effect of small additions of barium, *magnesium*, and calcium salts on the firing and technical properties of high-alumina bodies. p. 148.

Balkevich, V.L., Krasnousova, A.S. - Dependence of certain electrophysical properties on the Al_2O_3 content in materials of mullite-corundum composition. p. 157.

Polubolarinov, D.N., Guzman, I.IA., Nishanova, L.E. - Structure and certain properties of porous, ZrO_2-base ceramics. p. 168.

Belkevich, V. L., Serova, G.A. - Methods of evaluating the structure of carborundum heaters. p. 180.
Pavlushkin, N. M. - Preparation of corundum microsections. p. 185.
Duderov, G.N. - Dependence of the strength of bonding between coating and metal on the method of surface finishing and the type of polyorganic siloxane adhesive. p. 189.

MOSCOW. NAUCHNO-ISSLEDOVATEL'SKII KINOFOTOINSTITUT. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF MOTION PICTURES AND PHOTOGRAPHY. Transactions] No.51, 1962. Svetochustvitel'nye fotograficheskie materialy, no 2. Izgotovlenie i svoistva [Light-sensitive photographic materials, no 2. Manufacture and properties]

Table of contents translated

Belumov, V.A. - Foreword. p. 3
Belumov, V.A., Vendrovskii, K.V., Piasetskaia, O.V. - Relationship between the sensitivity of the photographic layer and the average size of the emulsion grains. p. 5.
Chumaeva, A.M., Rybnikova, A.I. - Effect of polyethylene glycols on the sensitivity of photographic emulsions. p. 10
Levi, S.M., Smirnov, O.K. - Investigation in the field of the application of wetting agents in the coating of films with photographic emulsions. p. 20.
Zelikman, V.L. - Investigating the hardening of photographic emulsions. Part 1. Hardening with chromium acetate. p. 39
Zelikman, V.L. - Investigating the hardening of photographic emulsions. Part 2. Hardening with chromopotassium alums. p. 51.
Zelikman, V.L. - Investigating the hardening of photographic emulsions. Part 3. Hardening with formalin. p. 58
Zelikman, V.L. - Investigating the hardening of photographic emulsions. Part 4. Hardening with phloroglucinol formaldehyde. p. 64.
Levi, S.M., Smirnov, O.K. - Hardening properties of compounds containing methylol(N-hydroxymethyl) groups. p. 80.
Levi, S.M., Barro, M.I. - Activation of the chromium hardening of emulsion layers. p. 95.
Levi, S.M., Vilenskii, IU.B. - Investigating the hardening of emulsion layers with diacetyl. p. 99.
Solov'ev, S.M., Staroselskii, A.L. - Analyzing the spectral reflecting characteristics of natural formations in order to select the optimum zones of sensitization of the sensitive layers. p. 104.
Abritalin, V.L. - Use of 1-phenyl-3-pyrazolidon (phenidone) for the development of positive films. p. 120.

MOSCOW. NAUCHNYI INSTITUT PO UDOBRENIIAM I INSEKTOFUNGISIDAM. Sbornik materialov po obmenu opytom [SCIENTIFIC INSTITUTE FOR FERTILIZERS AND INSECTOFUNGICIDES. Materials of Exchange of Experience]. Moscow, no.12, 1959.

Table of contents translated:

Bartosevich, N.K., Zhevatkin, L.IA. - Role of cooling elements in the increased operation rate of ovens for pulverizing the roasting of pyrites. p. 1
Raivich, M.A. - Determination of dust in furnace gases. p. 8
Bernadskii, IU.P., Pol'shchikova, P.I. - Survey of tower acid sections for 1957. p. 10
Sobchuk, IU.I. - Controlling dust deposits from cooling screw conveyors for the removal of cinders. p. 24
Chagin, I.M., Petrov, K.N. - Cause of wire corrosion and of breakdown of insulation of windings of electrical machinery. p. 28.
Liberman, M.D. - Experience in rendering harmless the exhaust gases of tower acid plants. p. 32
Bernatskii, IU.P., Naidenova, V.A. - Roasting of Rozdol sulfur ores in a fluidized bed. p. 43.
Riadneva, L.P. - Thermal dissociation of chlorosulfonic acid and the method of obtaining a pure preparation. p. 53.
Bagaev, V.I., Mikhailovskaia, F.R., Timofeeva, L.V. - Recovery of selenium from strong acids of contact acid section of the Konstantinovka chemical plant. p. 62
Burlak, K.A., Amelin, A.G. - Processing of a waste alkylation acid according to a simplified thermal method. p. 68

[MICROFILM]

MOSCOW. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT KRAKHMALO-PATOCHNOI PROMYSHLENNOSTI. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE STARCH AND SYRUP INDUSTRY. Transactions]. No. 6, 1963.

Table of contents translated:

Foreword. p. 3.
Abragam, D.R. - Preparation of raw materials for the production of wheat starch. p. 5.
Sidorova, E.K. - Testing of domestic ion exchange resins in the purification of glucose sirups. p. 13.
Galkina, G.V. - Obtaining highly saccharified products by the method of double hydrolysis of starch. p. 25.
Ladu, T.A. - Purified maltose molasses. p. 39.
Galkina, G.V. - Investigating the hydrolysis of starch-containing raw materials by means of enzymes in the manufacture of glucose products. p. 48
Paziuk, K.I. - Studying the washing of potatoes in a vibratory cleaning machine. p. 62.
Kurochitskii, Ch., K. - Economic calculation of centrifugal separator stations in corn starch factories. p. 77
Maslennikova, T.N., Solov'ev, D.T. - Some data on the effect of sodium bisulfite on the wettening of corn kernels. p. 92
Markel', V.E., Itkushina, L.D. - Production of dextrin from rice starch. p. 99.
Kagan, V.Z., TSukerman, I.S. - Methodology for measuring labor productivity in the starch and molasses industry. p. 110

NAUCHNO-ISSLEDOVATEL'SKII INSTITUT SINTETICHESKIKH ZHIROZAMENITELEI I MOIUSHCHIKH SREDSTV. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF SYNTHETIC FAT SUBSTITUTES AND DETERGENTS. Transactions] Moscow, no.3, 1962.

Table of contents translated:

Kotel'nikov, B.P. - Foreword. p. 3.
Reznikov, I.G. - Dependence of the magnitude of heat emission on the extent and selectivity of the sulfonation reaction. p. 5.
Reznikov, I.G., Kurasova, N.A. - Dependence of the concentration of spent sulfuric acid on the extent and selectivity of sulfonation. p. 9
Reznikov, I.G., and others - Obtaining fatty acid esters in the manufacture of alkylol amides. p. 15
Reznikov, I.G., Kobzeva, L.A. - Application of potentiometric titration in the control of alkylol amide production. p. 19
Kozlov, I.A., Shablina, A.G. - Quantitative method for determining free alkali in the presence of organic bases and alkali metal alcoholates. p. 23
Linchevskii, F.V., Simonova, R.S. - Esterification of higher synthetic fatty acids by methyl alcohol in the presence of sulfuric acid. p. 26.
Bespiatov, M.P., Leshchenko, Zh.IA. - Solubilization capacity of the aqueous solutions of alkyl sulfates from the alcohols of the direct oxidation of paraffins. p. 29.
Bespiatov, M.P., Leshchenko, Zh.IA. - Detergency of aqueous solutions of alkyl sulfates from the alcohols of the direct oxidation of synthine in the removal of fatty stains. Report No.1. p. 34.
Bespiatov, M.P., Leshchenko, Zh.IA. - Relation between the critical concentration in micelle formation and the surface activity of the aqueous solutions of primary and secondary alkyl sulfate mixtures. p. 41.
Perchenko, A.A. - Accelerating the initial stage of paraffin oxidation by potassium permanganate and active manganese dioxide. p. 49.
Perchenko, A.A. - Rate of the accumulation of acids and other oxygen-containing compounds during paraffin oxidation by air in the presence of potassium permanganate and manganese dioxide. p. 56
Perchenko, A.A. - Effect of potassium salts on the activity of the manganese catalyst. p. 59.
Il'ina, A.I. - Effect of the extent of oxidation on the yield and composition of alcohols during the oxidation of paraffins to acids. p. 61.
Il'ina, A.I. - Effect of the extent of oxidation on the yield and composition of alcohols during the oxidation of the paraffin and unsaponifiables mixture. p. 67.
Il'ina, A.I. - Changes in the composition of fatty acids occurring during paraffin oxidation. p. 71.
Kotel'nikov, B.P., Shcherbakov, P.M. - Selecting the temperature in gas-liquid chromatographic analysis of synthetic fatty acids. p. 75.
Prokopchuk, A.F. - Searching for efficient ways to provide the synthetic fatty acids (SZhK) industry with inorganic manganese salts for the production of catalyzing soaps. p. 79.
Prokopchuk, L.D. - Technical and economic evaluation of the methods for the recovery of water soluble acids forming during the production of synthetic fatty acids. p. 82
Besitskii, R.M., Karpenko, A.A. - Determining the acid number and free alkali in the saponified oxidate by the method of potentiometric titration. p. 86
Udovenko, S.A., Babanskikh, L.I. - Using the method of potentiometric analysis for determining carbonyl numbers in dark-colored products. p. 89.
Getmanskii, I.K., Gribanov, P.A. - Classification of the assortments of synthetic detergents. p. 91.
Getmanskii, I.K., Vagina, I.K., Kuprianov, V.M. - Powdered "Molodost'" shampoo based on purified sodium alkyl sulfates of synthetic secondary alcohols. p. 95.
Golubeva, S.K., Kurailis, S.A., Getmanskii, I.K. - Production of synthetic tanning materials based on phenol and nonsulfonated substances. p. 96.
Kasperovich, E.E., Shakhrova, N.P., Getmanskii, I.K. - Methods for the design and calculation of an experimental spray-drying system for the production of detergents. p. 98.

* PLASTICHESKIE MASSY [PLASTICS]. Organ of Gosudarstvennyi komitet khimicheskoi i neftianoi promyshlennosti pri Gosplane SSSR [State Committee for the Chemical and Petroleum Industry, Attached to the State Planning Committee of the U.S.S.R.] Moscow, no. 11, 1963

Table of contents translated:

Sergei Nikolaevich Ushakov, on his 70th birthday. p. 1.
Khrillova, E.I., and others. - Aging of polystyrene plastics. Thermal stability of polystyrene polymers. p. 3.
Li, V.P., Pashkov, A.B., Shamis, N.S. - Investigation of the copolymerization of acenaphthylene and divinylbenzene. p. 6.
Losev, I.P., and others. - Investigations in the field of the preparation of carbonic acid polyesters. Synthesis and study of carbonic acid polyesters based on 2, 2-(3, 3'-dichloro-4, 4'-dihydroxydiphenyl)-propane and phosgene. p. 8.
Petrov, K.A., Parshina, V.A., TSyplina, G.M. - Phosphorus-containing polymers based on methylphosphines and methylolphosphine oxides. p. 11.
Kozopoliankii, N.S., and others. - Use of fluorene-9, 9-dipropionic acid for modification of polyester resins. p. 14.
Zhinkin, D.IA., and others. - Rearrangement of organocyclosilazanes brought about by the action of inorganic acids. p. 16.
Tarnopol'skii, IU.M., Portnov, G.G. - Investigation of the process of compression molding of parts made of glass plastics. p. 19.
Basov, N.I., Kazankov, IU.V., Feltpchuk, I.I. - Investigation of the basic technological parameters of polystyrene injection molding with preliminary compression of a molten material. p. 23.
Sokolov, A.D. - Transfer molding of collectors made of thermosetting plastics. p. 29.
Panshin, B.I., and others. - Effect of water on the mechanical properties of organic glass. p. 32.
Borshtein, V.A., Glikman, L.A. - Effect of thermochemical treatment of glass fibers on creep of polyester glass reinforced plastics in the air and in a water. p. 36.
Kiselev, B.A., Brunevich, V.N. - Furfurole binder FF and glass reinforced plastics based on it. p. 41.
Rozantsev, E.G., Krinitskaia, L.A., Rozynov, B.V. - Thermooxidizing degradation of polypropylene in the presence of boric acid esters. p. 46.
Antonov, S.N., Fainshtein, E.B. - Methods of testing the electric properties of thin films of polymeric materials. p. 48.
Nikol'skoi, A.M. - Possibility of reducing the duration for creep test during the stretching of organic glasses. p. 50.
Gerasimov, V.D., Kuznetsov, G.A. - Pulse apparatus for measuring the absorption and velocity of ultrasound in polymers. p. 54.
Svistunova, G.P., Emelin, E.A., TSarfin, IA.A. - Determination of cobalt in cobalt naphthenate. p. 56.
Frenkel', M.D., Dvorkina, T.V., Dobin, IA.I. - Modification of Wick apparatus for determining the thermal stability of plastics. p. 57.
Baram, A.A., and others. - Recovery of complex catalysts from dispersions of polyethylene by means of methanol in a rotary apparatus. p. 59.
Kestel'man, V.N., Ivashkevich, V.P. - "Stavinil," a new promising combined material. p. 60.
Kapkova, E.I., Riaboshtan, D.I. - Effect of various media and temperatures on the properties of cold-hardened epoxy compounds. p. 61.
Mirlas, D.L., Kobychkina, A.I., Bordiuzhevich, B.S. - Capacity of cotton cellulose for acetylation. p. 63.
Savinov, V.M., Sokolov, L.B. - Synthesis of high-molecular weight polyesters of oxalic acid. p. 65.
Turov, IU.IA. - Development of the production of plastics in the U.S.A. p. 67.
Machines for welding of plastics ("Elektrim," Warsaw). p. 72.
Exhibition of Achievements of the National Economy of the U.S.S.R. p. 73.
All-Union Conference on Polystyrene Plastics. p. 74.
Seminar on the problems of dyeing of plastics. p. 75.
New encyclopedia "Construction materials." p. 76.

REFERATIVNYI ZHURNAL: KHIMICHESKOE I NEFTIANOE MASHINOSTROENIE (Otdel'nyi vypusk 47) [JOURNAL OF ABSTRACTS: CHEMICAL AND PETROLEUM MACHINERY MANUFACTURE (Separate Issue 47)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 12, Dec. 1963; no. 1, Jan. 1964.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; pishchevaia tekhnologiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Food Technology]. Moscow, no. 5(36), 1963.

Table of contents translated:

Nikolaev, N.K., Sokolov, L.I. - Technical and economic efficiency of fat cooling in a cooler with knife rolls. p. 7.

Markh, A. T., Ilfichenko, S. L. - Nitrogen compounds in sweet corn at the milky-wax phase of ripening p. 10

Kirpichovskii, V. M., Koslenko, V. K. - Effect of the viability of the sunflower seeds with high oil content on their keeping quality in storage. p. 14

Shcherbakov, V. G., Efokhina, V. I. - Effect of a preliminary treatment on the biochemical processes in the storage of rice bran. p. 19

Petropavlovskii, E. I., Moiseeva, V. G., Okorokova, T. N. - Content and changes of pectin substances in apple and apple residue during storage p. 24

Kovalenko, S. I., Kurilenko, O. D. - Modern concepts concerning pectin substances p. 28

Gurnet-Zaitsev, S. S. - Investigating the chemical composition of the summer milk fat and its fractions. p. 33.

Chazhova, Z. P., Shubina, L. N. - Microbiological processes in butter made with the continuous method p. 37.

Golovkina, M. F., and others. - Antibiotic properties of vitamin preparations obtained from the wild rose fruit by the fermentation method p. 43

Kharin, S. I., Kulga, A. A. - Water-sugar solutions p. 47

Pshenichenko, M. M., Barabanov, M. I. - Polarographic analysis of caramel obtained from saccharose p. 52.

Shenderiuk, V. I. - Proteolysis of the Caspian sprat at different pH values. p. 55.

Tikhonikov, N. N., Dukhshtab, Z. I. - Oxidation of paraffin hydrocarbons in the presence of acid catalysts. p. 59.

Iakovenko, V. A., Malnikhovtsev, V. P. - Effect of moisture and circumferential velocities on the damaging of corn kernels. p. 64

Mezrot, IA. S. - Polymorphic transformations in the production of margarine with the supercooling method. p. 68.

Grinmel, V. S., Chechelashvili, E. V. - Oils and fats for the production of chocolate. p. 76.

Fan-IUng, A. F. - Use of ascorbic acid in the preservation of tomato paste. p. 81.

Dibis, M. IA., Romatovskaia, T. L. - Calculating the cooling time of fried fish in a liquid cooling medium. p. 83

Sokolov, A. A., Mokhamed Samir el-Dashluty. - After-slaughter changes in the histological structure of the muscular tissues of mutton p. 87.

Lora, V. M., Merzhanian, A. A. - Effect of the technological processing on the foam-building capacity of wine materials for making champagne and of champagne. p. 92.

Izmailov, A. V., Danilova, N. N. - Protection of aluminum and its alloys against the action of the aggressive substances in the food industry. p. 98.

Izmailov, A. V., Chernysheva, N. P. - Behavior of tin-manganese alloy coatings in the food substances of the meat and dairy industry p. 101.

Arnoshin, I. M. - Modeling of the mass transfer process in a two-phase flow. p. 105

Tsushin, G. I., Lipatov, N. N. - Probability of the collision of suspended particles in their directed motion. p. 110.

Grinshkun, M. T. - Air resistance and flows in the casing of the separator. p. 115.

Dolnarevskii, V. A., Marinchenko, V. A. - More accurate calculation of the number of the theoretical plates in exhaust columns in case of the feeding of an underheated charge. p. 120.

Chernyi, A. M., Zarechanskii, E. L. - Heat conductivity, temperature conductivity, and heat capacity of spent liquor. p. 124

Kogan, F. I. - Calculating the pressure in glass containers during high-temperature sterilization. p. 126

Chubik, I. A. - Effect of the parameters of radiation-convection drying on the drying intensity of molded apple paste. p. 130.

Iller, B. M. - Determining the cooling surface dimension and water consumption in generator absorbers. p. 133.

Platonov, P. N., Mitrofanov, IU. N. - Investigating the aerodynamics of a layer of grain by the method of electrical analogies. p. 139.

Zhdanova, M. A., Trishin, F. I. - Method for the spectral analysis of the chemical element composition of corn kernels. p. 143.

Cholshner, Kh., Auerman, L. IA. - Determining the "strength" of wheat flour with the automated "AP-4" penetrameter. p. 147.

Vigintatte, G. - Using the polarimetric method for determining saccharose content of dairy products. p. 152.

Trippel', A. I. - Paper chromatography of fat aldehydes. p. 155.

Shul'ga, A. N. - Method for rapid determining of the rate of saccharification of starches. p. 158.

Pisanskii, A. P. - "Technological control and accounting in the manufacture of starch products from corn" by S. F. Kravchenko, A. A. Trukhacheva. p. 160.

Lists of defended dissertations. pp. 104, 109, 114.

SAKHARNAIA PROMYSHLENNOST' [SUGAR INDUSTRY] Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 37, no. 10, Oct 1963

Table of contents translated.

Let's give more sugar to the country. p. 1.

Ivanov, S. Z., Suponar, A. R., Chernikina, V. G. - Improving the method for determining the chromaticity of sugar products. p. 5.

Grinfel'd, D. G. - Improving the design of the circuits for sugar beet feeding and for the purification of the second wash waste waters. p. 11.

IAkimov, A. F. - Unsatisfactory design and poor performance of the VTs-58 evaporating apparatus. p. 14.

Tobilevich, N. IU., Sagan', I. I., Gariazha, V. T. - Studying the heat transfer in the preheaters of sugar factories. p. 20.

Klochkov, V. N. - Experience in the adjustment of the work of water preparation filters. p. 26.

Gritsenko, E. M., and others. - Problem deserving attention. p. 28.

Arkhipovich, N. A., Bondarevskaia, V. N., Podkolzina, V. P. - Using the method of 1:1 dilution for the simplification of the analysis of sugar products. p. 33.

Borisovich, A. A. - From the work practices of the Ghdeshty Sugar Factory. p. 35.

Glavatskii, P. V. - Loading fresh bagasse into trucks. p. 39.

Pazfruk, K. I. - Design of a centrifuge dryer and investigation of the drying in it of starch. p. 40.

Prikhod'ko, A. M. - New developments in the technology of corn processing in the Klimovo Starch and Molasses Plant. p. 45.

Fedotov, N. M., Galkina, G. V. - New type of sacchariferrous products from corn. p. 47.

Zlbarov, D. K. - Index of starch extraction from corn in its processing. p. 51.

Antushkin, E. S., Ivanov, S. Z. - Dictionary of starch manufacture terms in ten languages. p. 52.

Tombaev, N. I., Gaverman, Z. IU. - Testing of a new continuous centrifuge. p. 53.

Bugaenko, I. F. - Determining saccharose content in the presence of invert sugar by the method of direct polarization. p. 57.

Sugar fever. p. 58.

Golovniak, IU. D., Silin, P. M. - Twelth International Congress on Sugar organized by the International Commission of Sugar Technology. p. 59.

Khramova, G. - Special feature exhibition on the "Ways to increase labor productivity in the sugar industry." p. 63.

Readers' conference concerning the book "Analysis of the economic activities of the enterprises of the sugar industry." p. 66.

Korchinskii, A. I. - Review of V. I. Kuts and K. K. Leonova's book "Analysis of the economic activities of the enterprises of the sugar industry." p. 69.

Benin, G. S. - Review of P. G. Galabutskii and A. A. Gerasimenko's book "Methods of analysis and chemical and technological control in beet-sugar manufacture." p. 72.

Bugaenko, I. F. - Review of V. Faber and J. Hartl's book "Refining of raw cane sugar." p. 74.

Improving the work of technical libraries in factories. p. 74.

SPIRTOVAIA PROMYSHLENNOST' [DISTILLING INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 29, no. 7, 1963.

Table of contents translated:

Mal'chenko, A. L., Aganesova, L. N. - Viscosity and density of enzyme solutions. p. 1.

TSygankov, P. S. - Analyzing the performance of rectifying apparatus with direct action. p. 5.

Daniliak, N. I., Cherevko, N. G. - Effect of the active acidity of the culture medium on the amylolytic enzymes of the "Aspergillus oryzae" mold fungus. p. 11.

Khersonova, L. A. - Determining the activity of pectin splitting enzyme preparations. p. 15.

Kann, A. G., Gracheva, I. M. - Changes in the fermenting activity of brewer's yeast occurring during its washing. p. 18.

Kosacheva, V. V. - Changes in the coloring of an alcoholized strawberry juice. p. 21.

Azrielovich, S. S. - Improving the bottle washing process. p. 24.

Shcheblykin, N. P., Nakhmanovich, B. M. - Complete utilization of raw materials in the Dokshukino Acetone Plant. p. 27.

Solov'ev, A. V. - Apparatus for growing mold fungi cultures by the top method. p. 31.

Zelenko, G. S. - Results of the experimental testing of the preparation of water-alcohol solutions by the continuous method. p. 33.

Gainetdinov, M. F. - Wastes of distilleries as an important source for increasing feed production. p. 35.

Borisova. - Use of a polyacrylamide solution for label affixing. p. 37.

IUrchak, V. I. - From the experience of the work with beer rectifying apparatus. p. 38.

Sher, B. L. - New high-yield varieties of malt barley. p. 39.

Oshmian, G. L. - From the technical and scientific literature. p. 40.

Bobrik, I. P. - Impressions from the Universal Brewery Exhibition held in Chicago in October 1962. p. 42.

Fel'dman, A. I. - Technological process used by the brewery of the firm "Societe des Nouvelles Brasseries." p. 43.

d CIVIL & CONSTRUCTION ENGINEERING

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR, Institut betona i zhelezobetona. Perovo Nauchnye soobshcheniia [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U. S. S. R. Institute of Concrete and Reinforced Concrete, Scientific Reports] Moscow, no. 13, 1963.

Contents: Ponomarenkov, IA. D. [Study of the properties of keramzit concrete] Issledovanie svoistv keramzitobetona. 129 p.

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. TSentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture. Opyt zarubezhnogo stroitel'stva [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U. S. S. R. Central Institute of Scientific Information on Construction and Architecture. Construction Practice Abroad]. Moscow, no. 13, 1963.

Contents: Kovel'man, L. A. [Concrete and reinforced concrete products and details, precasting practices and use] Betonnye i zhelezobetonnye izdeliia i detali; opyt zavodskogo proizvodstva i primenenila. 65 p.

BETON I ZHELEZOBETON [CONCRETE AND REINFORCED CONCRETE] Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR [State Committee for Construction in the U. S. S. R.] Moscow, vol. 9, no. 10, Oct. 1963.

Table of contents translated:

Maksimov, S. IA. - For a more rapid expansion of the work experience of leading large-panel housing enterprises. p. 433.

Kuznetsov, G. F. - Designing self-draining joints in exterior walls of large-panel apartment houses. p. 436.

Zarovkina, N. S., Minkevich, V. V., Nitievskii, N. S. - Improving large-panel housing construction in the White Russian S. S. R. p. 441.

Susnikov, A. A., IAkobson, E. E. - Standard (UTP-1) arch for the construction of enterprises of precast reinforced concrete products. p. 446.

Zil'berberg, S. D., Kliushnik, IU. P. - Experience in electric heating of reinforced concrete products in molds. p. 449.

Levi, S. S., TSvetkov, N. A. - Fixing reinforcements and inserts of reinforced concrete units for large-panel apartment houses. p. 450.

Rodov, G. S., and others - Mesh-reinforced concrete roofs for large-panel houses of the 1-464 series. p. 453.

Bliuger, F. G., Morozov, IU. B. - Strength and deformations of dowelled joints in large panel structures. p. 455.

Korolev, L. V., Korovin, N. N. - Study of the function of a socketlike joint of a column with a foundation. p. 459.

Antonov, O. IU. - Construction of precast reinforced concrete tunnel linings. p. 462.

Gel'man, IA. G. - Prestressed wholly sectional lining of subway tunnels. p. 464.

Krasnov, M. I. - Study of block joints of reinforced concrete tunnel linings. p. 466.

Bondar', N. G., and others - Results of testing a reinforced concrete bridge. p. 469.

Trukhlov, A. M., Osipov, M. M. - Calculation of stresses in a wall of a corner silo under the action of forces applied from below. p. 469.

Belicki, Welslaw - Erection of large-panel apartment houses in winter. p. 475.

Moskvin, V. M., Lazarevich, I. A. - Protecting concrete and reinforced concrete structures from corrosion. p. 478.

LENINGRAD. INSTITUT INZHENEROV ZHELEZNO-DOROZHNOGO TRANSPORTA Sbornik trudov [INSTITUTE OF RAILROAD TRANSPORTATION ENGINEERS Papers] Moscow, no 191, 1963

Napriazhennoe sostoianie strelochnykh perevodov i puti pri suzhennoi kolee [State of stress of switches and track in case of a narrowed gauge]

Table of contents translated

Amelin, S.V., Smirnov, M.P., IAkovlev, V.F. - Effect of the narrowing of the gauge on the state of stress of railroad tracks and on the smoothness of train movement. p. 3.

Amelin, S.V., Smirnov, M.P., IAkovlev, V.F. - State of stress and deformations of type R50 switches of the 1/11 marking at a gauge width of 1518 millimeter on the running track and of 1530 millimeter on the track leading into sidings. p. 28.

Amelin, S.V., Smirnov, M.P., IAkovlev, V.F. - Switches of the 1, 11 marking for high-speed traffic in the straight direction. p. 108.

Semenov, I.I. - Determining the basic geometrical dimensions of a simple single switch. p. 124.

Sharoiko, V.S - Problems of comfortable riding at high train speeds p. 133.

LENINGRAD NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MOSTOV. Sbornik trudov [SCIENTIFIC RESEARCH INSTITUTE OF BRIDGES. Papers] No. 7, 1962 Voprosy proektirovaniia i soderzhaniia mostov [Problems of designing and maintaining bridges]

Table of contents translated

Vasil'ev, D.I., Nemzer, A.M - Unballasted bridge road on reinforced concrete slabs. p. 5

Vasil'ev, D.I., Nemzer, A.M. - Study of a bridge road on wooden cross beams. p. 26

Sergievskii, A.D. - Economic comparison of a reinforced concrete bridge road with a standard road on wooden beams. p. 58.

Sergievskii, A.D - Problem of determining the weight of metal spans. p. 66.

Vasil'ev, D.I - Track profile on bridges and high traveling speed of trains p. 77.

Koz'min, IU.G., Nevzorov, I.N. - Dynamic effect of trains with electric traction on metal spans of reinforced concrete bridges. p. 102.

Rekhovskii, IU.D., Afanas'ev, V.K - Introduction of a new technology of cleaning and painting bridges p. 129

*OSNOVANIIA, FUNDAMENTY I MEKHANIKA GRUNTOV [FOUNDATIONS AND SOIL MECHANICS]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R. for Construction]. Moscow, vol. 5, no. 6, 1963.

Table of contents translated:

Bobylev, L.M. - Distribution of stresses, deformations, and compactness of embankments undergoing compaction by ramming plates. p. 1.

Efremov, M.G., Konovalov, P.A., Mikheev, V.V. - Distribution of deformation in layers of a clay and sand bed being compacted, from field experiment material. p. 5.

Ribkin, S.A. - Calculation of precast reinforced concrete foundations for columns. p. 8.

Bomshtein, K.G., Pol'shin, D.E., IAkobson, L.S. - Results of the automatic design of foundations. p. 12.

Popov, A.M. - Layout of a building on nonuniformly compressed soils. p. 14.

Dolgikh, M.A., Ruppenelt, K.V. - Problem of estimating the stability of unsupported shafts of circular cross section. p. 16.

Timofeev, S.V. - Calculating grillage beams for panel-type buildings. p. 19.

Zurnadzhi, V.A., Anan'ev, V.P., Ukolova, Z.S. - Determining possible deformations of sagging foundations and selecting construction measures. p. 23.

Grigorian, A.A. - Errors in interpreting the results of the study of soils in a stabilometer. p. 26.

Fukson, M.N., Shushan, F.B. - Gauze filters on a spiral frame for large diameter boreholes. p. 28.

Dokuchaev, V.V. - Reviews and bibliography. p. 29.

POZHARNOE DELO [FIRE FIGHTING]. Issued by Ministerstvo okhrany obshchestvennogo poriadka RSFSR [Ministry for the Protection of Public Order]. Moscow, vol. 9(53), no. 10, Oct. 1963.

Table of contents translated:

Grain is our wealth. p. 1.

Borisova, G. - In the land of the Urals. p. 3.

Smirnov, V. - Rural firemen join the fight. p. 4.

Judge work by its results. p. 6.

Tarasova, T. - Urgent problem. p. 8.

Mikhailov, V. - "Terylene" film. p. 9.

Semina, N. - Land of young cities. p. 10.

IUr'ev, N. - You send us papers, we take action... on paper. p. 13.

Piven', K. - Air-pump fire prevention system. p. 14.

Kalzhilashvili, G. - Inflammable properties of tea. p. 15.

Volkov, O. - Fire in a taiga workers' settlement. p. 16.

Kosykh, I. - Price of negligence. p. 17.

Kulikov, D., Ermakov, V. - Use of tanks in fire extinction. p. 18.

Markov, G. - Difficult victory. p. 20.

Lukashevskii, A. - Safeguarding the timber wealth. p. 21.

Kazakov, M., Karpov, V. - Wetting agents in the charge of fire extinguishers. p. 23.

Artemenko, I. - Made by our comrade. p. 25.

Baranovskii, R. - Latvia is training specialists. p. 26.

Shmakov, N. - Named after Vladimir Maitynenko. p. 27.

Dudnikov, I. - Our young helpers. p. 29.

Sungurtian, N. - Increasing in number and skills. p. 28.

Riabyshev, A. - Without an increase in personnel. p. 29.

Riazanov, I., IAmnyi, E. - From the history of fire prevention. p. 30.

Vyrikov, A. - Review and bibliography. p. 30.

In foreign countries. p. 31.

Readers' letters. p. 32.

PROMYSHLENNOE STROITEL'STVO I INZHENERNYE SOORUZHENIIA [INDUSTRIAL CONSTRUCTION AND ENGINEERING STRUCTURES]. Issued by Naukovo-doslidnyi institut vprovadzhennia peredovoho dosvidu v budivnytstvo i tekhnichnoi informatsii Akademii budivnytstva i arkhitektury URSR [Scientific Research Institute for the Introduction of Progressive Practices in Construction and of Technical Information of the Academy of Construction and Architecture of the Ukrainian S.S.R.]. Kiev, vol. 5, no. 5(24), Sep.-Oct. 1963.

Table of contents translated:

Podutov, G. - Converter plant at the Zhdanov Metallurgical Plant. p. 1.

Arkhipkin, V. - Building an ingot mold making foundry at the "Zaporozhstal" Plant. p. 3.

Kogan, A. - Assembly of equipment in the construction of a blast furnace. p. 8.

Gitis, A. - Erecting modern rolling mills. p. 12.

Chechel'nitskii, A. - Standardization of industrial buildings in industrial and power-plant districts. p. 17.

Tatsii, E., Solov'ev, V. - Experimental construction of industrial buildings and structures. p. 23.

Epshtein, L., Polinkova, L. - NGP-2K-800K centrifugal machine on antivibration mountings. p. 27.

Rabinovich, S., Tarushkin, P. - Erecting steel structures of a conveyor bridge. p. 29.

Luzin, IU., Belinskii, I. - Reinforced concrete crane girders with 12m spans under cranes with a 50-75 t. lifting capacity. p. 35.

Nikoliuk, F., Naumov, IU., IAnkov, I. - Manufacture of standard prestressed beams with an 18m span and electrothermally stressed reinforcement. p. 41.

Penkakov, S. - Strengthening beams with a 9m span. p. 44.

Galata, IU., Kudriashov, P. - Study of the quality of concrete in structures of the Bortnichi Irrigation System. p. 46.

Narotskii, Z. - Normal load in mine galleries. p. 51.

Terletskii, V. - Distribution of piles in round and polygonal pilework. p. 52.

Sosis, P. - Mechanizing the calculation of structures on key automatic machines. p. 56.

Rosenberg, D., Ivanov, V. - Results of building a water reservoir from precast reinforced concrete. p. 56.

Shternberg, L. - New solutions in designs for unique cable cranes. p. 58.

Khelfets, S. - Booms for the SKG-25 and SKG-30 cranes. p. 61.

Pokrass, L. - Modern bridges made out of improved wood. p. 62.

Ganpantsura, Z., Reinlib, I. - Heating of joints of precast reinforced rafter segmental trusses. p. 64.

PUT' I PUTEVOE KHOZIAISTVO [RAILROAD TRACKS AND ROADWAY MAINTENANCE]. Organ of Ministerstvo putei soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 7, no. 10, 1963.

Table of contents translated:

Higher standards of educational work! p. 1.

Novakovich, V.I. - Use of the tamping machine "ShchOM-D for the maintenance and repair of continuous rail tracks. p. 3

Maksimenko, I.I. - Railroaders, beacons of socialist competition. p. 5.

D'iachkov, IU.N. - Our method for the maintenance of tracks with the new type of fastenings p. 6.

Gorlovetskii, A.M. - Track maintenance and repair in tunnels. p. 6.

Frishman, M.A., Lipovskii, R.S., Orlovskii, A.N. - Obtuse-angled frogs with movable points p. 8.

Savushkina, M.E. - Story told by a volunteer inspector. p. 8.

Demichev, A.D. - Improved technology p. 9

Zemliannikov, V.P - Straightening of the profile and raising of the track performed during one "interval" p. 10

Doroshevich, A.P - Track machinery stations in a railroad division p. 11

Slvolob, V.I - Efficiency of "intervals" with various lengths of time p. 14

Lengthen the service life of wooden ties. p. 17

Seleznev, A.A - Introducing slab foundations p. 17

Koriakin, M.N., Mindin, D.M - Continuous production line for tie repair. p. 18

Urladalkov, V.I - The yearly assignment will be fulfilled ahead of time p. 19.

Zhulkov, A.S. - Preventing the cracking of ties p. 21

Provodina, M.N - Costs of production are going down. p. 22.

Arkhipov, A.D., Gemanov, V.I., Gaidamak, V.A - Reducing the expenses for snow protection and removal p. 24.

Shebiakin, O.S - New instruction on the maintenance of engineering structures p. 26.

Trigorlov, G.I - Device for the repair of the ballast section p. 28

Mstibovskaia, I.A. - Useful proposals of efficiency promoters of the Southern Railroad p. 30.

Fomina, M.A - Improving the design of defectoscopes p. 31.

Osipov, V.O. - Improved snow removing machine p. 32.

Katamai, B.I - Flaw detecting device without supporting rollers p. 32

Pesvianidze, D.I. - Preventing sand drifting p. 33.

Chikov, V.A - Using brushwood as fertilizer p. 34

Chumakov, M.M. - Shrubs are the main accumulators of snow. p. 35

Zhukov, L.F - There is no excuse for negligence p. 36

Burdun, G.D. - International unit system. p. 38

Kuznetsova, V.N - Welders exchange experience p. 39

Awards for creative initiative. p. 40.

Fedorov, P.L. - Booklet throwing light upon valuable experiences p. 41

Dulgarian, A.A. - Needed textbook. p. 41.

Voloslan, P.I - Wire tying of ties should be done in the plant. p. 42.

IAkobson, S.I. - Safer fastening of the track for protection against rail creepage. p. 42.

Petropavlovskii, B.P - Quality control of ballast tamping p. 42.

Ryzhkov, A.I - Is there time left for handling the technical matters? p. 43

Lutovinov, G.P - Is there always a need for snow removal from the joints? p. 43

Samsonov, I.P - My proposals on crossings p. 43

Leonov, A.N. - What kind of profile for crossings? p. 43

Sarunin, P.I - Railroads pay a high price for the negligence of the manufacturers. p. 44

Dzhabarov, M.A. - Use stronger materials for the insulation spacers. p. 44.

Greshnikov, N.V., Gnachev, V.G - Point evaluation of the maintenance of switches. p. 44.

Berchenko, N.N - Lubricators for rails p. 46

Vol. 7, no. 11, 1963.

Table of contents translated.

Show more boldness in the adoption of modern equipment, and make better use of it. p. 1.

Simon, A.A. - Switches of the 1/22 marking have been installed on the track. p. 3.

Sorokin, B.V. - Characteristics of the maintenance of tracks with reinforced concrete ties. p. 5.

Oloviannikov, M.D., Basaova, G.K. - Performance of ties made from reinforced concrete. p. 7.

Bochenkov, M.S. - Maintenance of joints. p. 8.

Votinov, E.N. - Rail welding on narrow-gauge railroads. p. 8.

Mil'man, G.IA. - Increasing the operative efficiency in track laying during an "interval." p. 10.

Kalinin, A.P. - Increasing the operative efficiency of tracklaying machinery. p. 12.

Dobroserdov, A.A. - High-frequency communication systems. p. 13.

Konoplev, D.A., IUferev, V.M. - There is a possibility to increase the operative efficiency of track maintenance machinery. p. 15.

Dubrovik, N.F. - Section rated first in track maintenance. p. 17.

Bezrukov, A.M., Belov, N.A., Barsukov, M.M. - Method for restoring the strength of dowels. p. 18.

Kreinis, Z.L. - Improve the maintenance of station tracks in the plane. p. 19.

Dobrolubov, V.V. - Protection of rails and fastenings against corrosion. p. 20.

Karpov, N.A., Shostopalov, V.I. - Eliminate the shortcomings of the equipment for track alignment. p. 21.

Shepetia, V.A. - Training of mechanization specialists. p. 22.

More crushed stone for track maintenance. p. 23.

Kobzar'kova, R. V. - Fighting the elements. p. 25.
Kreshtovskii, P. P. - *Repair of the snowplow rotor.* p. 27.
Fedotov, P. M. - Improving the working conditions. p. 29.
Kukal, V. V., Pashko, V. M. - *Improving the working conditions in workshops.* p. 29.
Fedotov, S. A. - Contribution of the *innovators.* p. 30.
Sazdin, N. M. - Preventing the violation of regulations. p. 30.
Gorbenyuk, D. N. - Volunteer inspectors. p. 31.
Tabakov, I. M. - *Useful device.* p. 31.
Bystritskii, M. I. - Improve the planning, increase *labor productivity.* p. 32.
Answering queries. p. 33.
Polyvyanenko, A. G. - Results of a study. p. 34.
Shul'zhenko, N. I. - Icing of pipes. p. 35.
Ilinkov, A. A. - Designer's bureau in a division. p. 36.
Fomin, V. V. - Creative activities of a collective. p. 38.
Levkin, Kh. P. - *Ladder with hooks.* p. 39.
Chavilov, M. I. - Restoration of snow protective tree plantings. p. 40.
Zhukov, I. F. - Instructions and sense of responsibility. p. 42.
Matveev, V. M. - Cart for the transport of lubricants. p. 43.
Filin, I. G. - Track crossing by mains. p. 44.
Examination of rail lengths in four layers. p. 46.
Brief notes on new developments in foreign countries. p. 47.
News books for track maintenance workers. p. 48.

Vol. 7, no. 12, 1962.

Table of contents translated:

Toward new labor achievements. p. 1.
Kul'gin, D. F., Kozlov, N. F. - Conform to the technical specifications for the laying of continuous tracks. p. 3.
Ekhlakov, A. D. - Grinding of rails. p. 4.
Karlova, M. S. - Waterproof blanket. p. 6.
Voronov, A. I., Kostyshev, N. M., Miakish, N. N. - *Experience in mechanized track testing.* p. 8.
Gogoladze, G. Z. - Installation of train-stop *signals.* p. 11.
Give paramount attention to the electrification of track work. p. 12.
L'vitsyn, A. M. - Electric power supply to apparatus from the electric lines. p. 14.
Fomin, V. V. - *Improving the bar.* p. 15.
Sokolin, N. G. - Make better use of the transformers. p. 16.
Nekka, K. IA. - Year-round use of a snow plow. p. 16.
Dmitrakii, L. M., and others. - Track-skeleton assembly *points and their spacing* on a railroad line. p. 17.
Honorable awards. p. 18.
Pershin, S. P. - Ways to determine the methods for *the laying of long rail lengths.* p. 21.
Orlov, S. P. - Urgent tasks in bridge maintenance and repair. p. 24.
Rutskiinskii, R. D. - Transport of trusses. p. 25.
Antsiperovskii, V. S., Riabyshev, B. A. - Repair of the underwater parts of bridge footings in the winter. p. 26.
Sychov, S. P. - Use of a grab excavator for cutting out heaving parts of the roadbed. p. 28.
Sholaman, I. M. - Reinforced concrete construction in winter time. p. 29.
Evgrafov, G. K., Antipov, A. S. - Results of the operation of prestressed concrete bridges. p. 30.
Semenov, N. I. - Use of gabions and levee baskets for the stabilization of river channels. p. 32.
Gaet, O. I. - Rail welding in subways. p. 33.
Merinov, I. I. - Experience in the reconstruction of tunnels on electrified lines. p. 34.
Progressive collective. p. 36.
Lipman, L. A. - Icebreaker. p. 37.
Linetskaia, A. L. - Put into operation all useful innovations. p. 36.
Petrash, A. A. - Switch ties must be delivered in complete sets. p. 40.
IAkobson, S. I. - Service life of ties. p. 40.
Kirol, P. I. - Pay more attention to traffic safety. p. 40.
Pagin, IU. E. - Who should accompany the defectoscopes? p. 41.
Korlakin, R. N., Sumin, A. R. - Labor safety on electrified sections. p. 42.
Miachkov, IU. N. - Improve the working conditions. p. 43.
List of articles and notes published in "Put' i putevoe khoziaistvo" journal during 1962. p. 44.
Useful proposal. p. 48.

REFERATIVNYI ZHURNAL: AVTOMOBIL'NYE DOROGI [JOURNAL OF ABSTRACTS: HIGHWAYS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 12, Dec, 1963.

SIL'S'KE BUDIVNYTSTVO [RURAL CONSTRUCTION] Issued by Ministerstvo vyrobnytstva i zahotivel' sil's'kohospodars'kykh produktiv Ukrains'koi RSR [Ministry of Production and Procurement of Agricultural Products of the Ukrainian S.S.R.] Kiev, vol. 12, no. 1, Jan 1962.

Table of contents translated:

Radin, K. - Editorial Let's raise rural construction to a higher, industrial level! p. 1.
Olkalenko, K. - An advanced interfarm building *organization.* p. 3.
Kravchenko, V., Savinova, A. - "Carrousel" milking parlor on a collective *farm.* p. 4.
Miroshnychenko, V. - Arched buildings *made of* slag concrete. p. 7.
Radko, M. - A series of building machinery for *interfarm* building organization units. p. 8.
In interfarm building *organizations of the Ukraine.* p. 10.
Zalka, I. - Construction and start-up of annular kilns and tunnel kilns without *frames.* p. 11.
Pendai, I. - The production of clay tile and reinforced concrete is *increasing.* p. 13.
Kravchuk, I. - *We strive for* high quality of production. p. 14.
Shosh, I. - We improve the process of roasting tile. p. 15.
Kybal'nyk, G. - Operation of an annular kiln without a stack. p. 16.
Motorna, T. - Let's make *more effective use of* capital investment in construction by collective farms. p. 17.
How to carry out earthwork operations *in winter* p. 18.
From the pages of newspapers and magazines. p. 19.
Plotkin, N. - New improved leveling rods. p. 20
Kovalets', M. - Let's improve the training of rural *construction workers.* p. 20.
Ratko, V. - Construction of swine-fattening farms in Czechoslovakia. p. 21.
New books. p. 24.

STROITEL'NAIA MEKHANIKA I RASCHET SOORUZHENII [STRUCTURAL MECHANICS AND CONSTRUCTION CALCULATIONS] Issued by Akademiia stroitel'stva i arkhitektury SSSR [Academy of Construction and Architecture of the U.S.S.R.]. Moscow, vol. 4, no. 1, 1962

Table of contents translated

Preface. p. 1.
Kislinkov, S. D. - The theory of sloping shells with a two-way curvature. p. 4
Blokh, V. I. - Flexure of a thin plate on many supports. p. 10.
Zhukova, T. P. - Systems of elastic filaments. p. 15.
Shitsyn, A. P. - Vibrations of a beam on an elastic foundation with one-sided connections. p. 19.
Lizarev, A. D. - Generalized coefficients of elastic fastening for studying the stability of fixed frames. p. 25.
Rozenblat, G. I. - Design of frames with graduated supports for stability p. 30.
Mulin, S. M. - Design of arched spans for three-dimensional stability. p. 36
Iushin, A. I. - Design of residential and industrial buildings for even settling of the foundation. p. 40.
Mitropol'skii, IU. A. - International conference on nonlinear vibrations. p. 44.
Luzhin, O. V. - All-Union conference on the theory of plates and shells. p. 46.
New books of the State Construction Publishing House. p. 3 of cover.

TRANSPORTNOE STROITEL'STVO [CONSTRUCTION FOR THE TRANSPORTATION INDUSTRY]. Organ of Ministerstvo transportnogo stroitel'stva SSSR [Ministry of Construction for the Transportation Industry of the U.S.S.R.]. Moscow, vol 13, no. 9, Sep. 1963.

Table of contents translated:

Prepare in good time for winter. p. 1.
Kalashnikova, Z. V. - *Construction of roadbeds in the wintertime.* p. 3.
Taits, V. G. - Effectiveness of using the D-384 bulldozer for earthwork. p. 4.
Chizhov, A. T. - Transporting railroad switches on a rolling stock. p. 7.
Timofeev, N. F. - Experience in sinking reinforced concrete caisson-shell foundations into clayey soils. p. 8.
Andreev, V. G. - Manufacture and assembly of spans for the city bridge in Leninabad. p. 12.
Dvorkin, B. E. - Standardization of prestressed bridge beams. p. 15.
Gritsyk, V. I., Kashirskii, B. R., Chakhlov, V. S. - Strengthening beds of water passages and embankments with asphalt concrete slabs. p. 19.
Pavlov, IU. P. - Using the shield method for building *running tunnels in sandy soils.* p. 21.
Steblov, V. V., Chizhov, A. A. - Anchor supports of workings. p. 25.
Krasov, N. V. - Mechanical leveling of underwater *stone beds.* p. 27.
Medovikov, I. I., Fridman, Z. N., Medvedkov, I. M. - New method of snow protection. p. 30.
Kozerovskii, I. N., Smelo., V. A. - Erection of breakwaters with the use of tetrapods. p. 32.
Bimov, P. F. - Portable mortar mixer installations and painting stations. p. 34.
Balakhnin, M. P. - Experiment in erecting a foundation for an apartment house on a pile foundation. p. 37.
Arapetian, G. E. - Using clay muds in rotary drilling *for water.* p. 38.
Uglitskii, V. I., Saranchukov, V. F. - I. D. Ulupin, instructor of advanced work methods, tells us about his work experience. p. 40.
Dvoskin, A. I. - Gumbat Mamedov's brigade works well. p. 41.
Gudnichev, V. D. - We are mechanizing technological operations as much as possible. p. 42.
Samoilov, A. I. - By the end of the year we shall have excavated 100,000 m³ of earth ahead of schedule. p. 43.
Balakin, V. A. - Mechanization is the most important reserve in the increase of labor productivity. p. 44.
Dakhno, V. P. - Consolidation of passenger transportation facilities. p. 46.
TSvelodub, B. I., IAkovleva, E. A. - Requirements for roadbeds in laying continuous tracks. p. 49.
Ivanov, F. M., Smol'ianinov, A. A., Solntseva, V. L. - Waterproofing the foundation of poles of contact networks. p. 51.
Iosilevskii, L. I., Chirkov, V. P. - Experimental spans with vertically stressed hoops. p. 54.
Korchagin, V. K., Passek, G. A. - Testing rubber-metal bearing parts. p. 57.
Vinogradov, B. N. - Determination of standard loads and coefficients of overloads according to results of rock pressure *measurements* p 59
Baslavskii, I. A. - Necessity of more exact *calculation* designing of tunnel linings. p. 61.
Kharadze, G. V., Belenchenko, V. A. - Seven-wire steel *cables for reinforcing* concrete piles. p. 63.
Poller, V. P. - Exploratory-production water wells. p. 64.
Bondarenko, P. M., Marishchuk, V. T., Panov, I. P. - Method of manufacturing reinforced concrete rings with a 3.5-m diameter. p. 65.
Bergul, P. D., Vinlarskii, I. M. - Using a *vacuum pump* for feeding cement into a bunker of a concrete plant. p. 66.
Innovators make suggestions. p. 67.
Anatol'evskii, P. A., Gal'perin, L. V. - Suction boring during erection of bridge pile foundations. p. 68.
Kononov, I. V., Gol'dgut, V. A. - Milan method of *constructing tunnels and underground crossings.* p. 70.
Pritsker, M. I. - *Bridge erection using a floating* mast-jib crane. p. 72.
Rozanov, A. A., Chizhov, A. T., Ulantsev, I. D. - Manual on the mechanization of ballasting. p. 73.
Sorkin, E. I. - *Make use of abstract informational publications.* p. 75.
Kurilov, A. P. - This bothers bridge builders p. 76.
Nikiforov, L. P. - *Eliminate the causes for the swelling* of the fill ground under second railroad tracks. p. 76.
Brief news. p. 77.
In the last issues of foreign magazines. p. 79.

6. ELECTRICAL ENGINEERING

*AKADEMIIA NAUK SSSR. Izvestiia Tekhnicheskaia kibernetika [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin Engineering Cybernetics]. Moscow, no 5, Sep.-Oct. 1963.

Table of contents translated:

Kharkevich, A. A., and others - A. I. Berg, on his 70th birthday. p. 3.
Buslenko, N. P. - Contribution to the theory of complex systems p 7
Krasovskii, A. A. - Entropy stability of linear continuous automatic control systems p 19.
Rabinovich, Z. L., Ivas'kiv, IU. L. - Certain class of canonical forms of the presentation of three-valued functions p 27
Ozernoi, V. M. - Conversion of logical algorithm networks using switching circuit models p 35
Ovseevich, I. A., Pinsker, M. S. - Optimum linear pre-emphasis and compensation. p 54
Perov, V. P. - Optimum distribution of energy in light of signal detection in noise with simultaneous measurement of their parameters p 62
Siforov, V. I., TSybakov, B. S. - Development of the information theory in the U.S.S.R. Part 1- General survey of papers. p. 74.
Pinsker, M. S. - Mathematical principles of the theory of communication. p 79
Dobrushin, R. L. - Theory of coding Study of probability error in optimum transmission techniques p 81.
Gutkin, L. S. - Theory of optimum radio reception techniques. p. 84.
Petrovich, N. T., Fink, L. M. - Theory of optimum transmission through a channel with fading and new methods for transmission p 89

TSybakov, B.S - Theory of the transmission of images p 95
Aizerman, M.A , and others - Theory of image recognition and self-teaching systems. p 98
Linnik, IU.V. - Application of the information theory to mathematical statistics p 102.
Levin, B.R. - Application of the theory of random processes in radio engineering. p 103
IAglom, A M - Mathematical theory of random functions p 107
Il'in, V A., Shastova, G A - Some studies on the theory of communication in systems of regulation and control p 112
Golosov, O V , Lebedkin, V.F., Makhlin, I S - Mathematical model of an analyzer for industrial situations for the choice of optimum operating conditions of apparatus for separation of mixtures. p 114.
Reznikovskii, P T , Rybasov, V I , Chalanov, V.A. - Formulation and solution of a problem on nonlinear mathematical programming. p.121.
Polovko, A.M., Zalmashev, N.K. - Increasing of the reliability of equipment by a method which involves combination of general reservation by substitution and separate reservation with permanently connected reserve p.133.
Ponomarev, V M - Synthesis of an optimal control system p.141
Lonshakov, N P - Design of a third-order control system of optimum response with three limitations. p 149
Smol'nikov, L P , Bychkov, IU.A., Volkov, E F - Study of a third-order automatic control system optimum in respect to the sense of braking time with stabilized speed p 157
Emel'ianov, S.V , Taran, V A - Use of commutating phase-shifting filters in an automatic control system with variable structure. p 164
Ivanenko, V.I. - Effect of couplings through a common power supply on the behavior of automatic control systems. p.171
Motskus, M.B., Fel'dbaum, A A. - Symposium on multioptimalizing problems. p 175.

*ATOMNAIA ENERGIIA [ATOMIC ENERGY]. Issued by Akademiia nauk SSSR and Gosudarstvennyi komitet Soveta Ministrov SSSR po ispol'zovaniiu atomnoi energii [Academy of Sciences of the U.S.S.R. and the State Committee on the Use of Atomic Energy of the Council of Ministers of the U.S.S.R.]. Moscow, vol.15, no.5, Nov. 1963.

Table of contents translated:
Gorbunov, E.P , Razumova, K.A. - Effect of a strong magnetic field on the magnetohydrodynamic stability of a plasma and the confinement of charged particles in a "Tokamak" apparatus. p.363.
Broder, D.L., Popkov, K.K. - Methods for calculating radiation heat release in the vessel and shields of a nuclear reactor. p.370.
Belkin, V.F., Kocharov, B.P., Shvedov, O.V. - Measuring the density distribution of thermal neutrons along the radius of plug type fuel elements. p.377.
Terent'ev, B.M., El'tekov, V.A., Golenko, D.I. - Calculating the absorption of gamma-radiation energy in heterogeneous macrosystems. p.383.
Keirim-Markus, I.B., and others. - Measuring the tissue doses of neutrons outside the reactor shielding. p.386.
Agranovich, V M., Mikhlin, E.IA., Semenov, L.P. - Kinetics of the swelling of fissionable materials caused by the separation of the gaseous phase from a supersaturated solid solution. p.393.
Semenov, L.P. - Theory of the coalescence of gas pores in swelling. p.404.
Balebanov, V.M., and others. - Motion of isolated charged particles in a magnetic field with helical symmetry. p.409.
Oparin, E.M., Saukov, A.I., Shuvalov, R.S. - Inelastic scattering of 14 Mev. neutrons by light nuclei. p.411.
Taran, IU.V. - Design of a neutron spin rotator. p.413.
Tolstikov, V.A., Sherman, L.E., Slavisskii, IU.IA. - Measuring the capture cross sections of 5-200 Kev. neutrons for U^{238} and Th^{232}. p.414.
Glazkov, N.P. - Inelastic scattering cross sections of 0.4 - 1.2 Mev. neutrons on medium and light nuclei. p.416.
Okolovich, V.N., and others. - Dependence of the mean kinetic energy of fragments on the mass of the fissionable atom. p.419.
Sazonov, A.M., Sirvidas, V.I. - Energy distribution of gamma radiation in a solid medium. p.420.
Kolosova, I.F., Kolosov, I.V. - Isolation of the radioactive Be^7 isotope from cyclotron targets. p.422.
Luk'ianychev, IU.A., Nikolaev, N.S. - Solubility of uranium tetrafluoride in aqueous acid solutions. p.423.
Ivanenko, V.V., and others. - Apparatus for determining the solubility of radioactive substances at elevated temperatures and pressures. p.426.
Samsonov, G V., Dubrovskaia, G.D. - Production of certain thorium sulfides by the interaction of ThO_2 with hydrogen sulfide. p.428.
Adamovich, V.K. - Estimation of the neutron irradiation dose capable of changing the mechanical properties of pure metals p.430.
Balabanov, V.I., Kovalevskii, A L. - Uranium prospecting from airplanes in forest regions. p.432.
Polikanov, S M - Conference on Reactions between Compound Nuclei. p.435.
Govorkov, B.B., Lebedev, A.I. - Conference on Interactions between High-energy Photons. p.436.
Fisher, E. - Second European Symposium on Vacuum Technique. p.438.
Improvement of VVR-S reactors. p.439.
Brief news. p.442.
Arkhangel'skii, IU , Kovalev, I. - Start of the first atomic power plant operating an "organic" reactor. p.443.
New literature p.444.

ATOMNAIA TEKHNIKA ZA RUBEZHOM [NUCLEAR ENGINEERING ABROAD]. Issued by Gosudarstvennyi komitet po ispol'zovaniiu atomnoi energii SSSR [State Committee for the Utilization of Atomic Energy in the U.S.S.R.]. Moscow, vol.7, no.12, Dec. 1963.

AVTOMATIKA I PRIBOROSTROENIE [AUTOMATIC CONTROL AND INSTRUMENT MANUFACTURE]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov Ukrainskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot and Institut avtomatiki Gosplana Ukrainskoi SSR [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Institute of Automatic Control of the State Planning Commission of the Ukrainian S.S.R.]. Kiev, no.4(16), Oct.-Dec. 1963.

Table of contents translated:
Skirta, B.K., Khitsenko, S.I. - Telemechanic unit for substations of power systems (description of the structural diagram). p.3.
Izotov, V.P., Fedosenko, IU.K. - Automatic looping control system for wire mills. p.8.
Pirozhenko, V.Kh., Linchevskii, G.V., Nikolaenko, N.T. - Automatic mine traction substation equipped with semiconductors. p.10.
Vulikhman, V.A. - Automatic control of the dissolving of salt. p.13.
Mikhailov, V.P., Semenov, V.K. - Noncontact automatic control of a pumping unit. p.14.
Glushko, V.V., Karev, A.P., Levenets, V.P. - Noncontact remote control of magnetic starters of mining machinery and mechanisms. p.16.
Tatarko, N.F. - Automatic remote control of a 400 ton capacity press. p.18.
Moshek, I.M., Gorinovich, I.B. - Relay units for the automation of conveyor lines. p.20.
Mazurin, P.V. - Automatic control of some parameters of radio electric equipment by the statistical testing method. p.22.
Improving the quality and durability of cathode ray tubes used in television sets of the second and third class. p.25.
Evtukhova, T.A., Zarenin, IU.G., Muzychuk, V.T. - Method for the realization of the external language of a special-purpose electronic digital computer for the solution of a specific class of logical problems. p.26.
Podakov, A.S., Chakovskii, R.V., Shprits, E.I. - Two-stage commutator for automatic data input in digital control computers. p.30.
Makats, G.M., Makeev, B.A., Novozhilov, V.P. - Unit for solving the problem of optimum laying-out of a strip for rolling two type sizes. p.33.
Zinchenko, A.M. - Passive memory device for symbol indicators of digital computers. p.37.
Zubatenko, A.IA. - Testing system for an operational memory device. p.40.
Raikin, P.S. - Transistor control of digital presentation tubes. p.42.
Karpov, R.G. - Algebraic operations with frequency-pulsed information. p.43.
Abakumov, V.G., Petrenko, A.I., Denbnovetskii, S.V. - Functional graph converter with a vidicon. p.47.
Malinovskii, B.N., Zabara, S.S. - Investigating the reliability of the "Dnipro" multiple-purpose control computer. p.52.
Shakola, IU.A. - New design of an a.c. bridge for frequency measurements in subsonic band. p.57.
Bashkirev, A.G., Romashkan, V.S., Fridshland, D.A. - Decoding of conflicting signals in a noncontact telemechanic device for natural gas fields. p.58.
Gostev, V.I. - A.C. integrator with two semiconductor keys. p.60.
Nosov, V.A., Mamuta, G.D., Tarasenko, O.V. - Ultrasonic meter of sand concentration in pipes of dredges. p.62.
Nosov, V.A., and others. - Ultrasonic meter of alkali concentration. p.64.
Gorobchuk, V.M., Semikin, V.L. - Reducing output-signal pulsations of the E-2D convertor in the EAUS system. p.68.
Alekseev, G.A., Skripnik, IU.A. - Device for measuring frequency errors of wire impedance. p.70.
Zvorygin, F.V., Tomashov, V.M., Khokhol', O.A. - Generator of random voltages of subsonic frequencies with any distribution law and a controlled spectrum. p.74.
Verkhovtsev, V.S., and others. - Measurement converters with galvanically separated input and output. p.78.
Nekrasov, M.M, Samoilov, A.V. - Electrostriction devices for producing minor mechanical displacements. p.81.
Grishchenko, A.Z. - International exhibition of laboratroy equipment, measuring devices and means of automation. p.85.
Manufacture of electronic computers in the United States. p.91.
Index of articles published in "Avtomatika i priborostroenie" in 1963. p.93.

AVTOMATIKA I TELEMEKHANIKA; sbornik statei [AUTOMATIC AND REMOTE CONTROL; papers]. Issued by Moskovskii inzhenerno-fizicheskii institut [Moscow Institute of Engineering Physics]. Moscow, vol.24, no.11, Nov. 1963

Table of contents translated:
Pittel', B.G. - Some problems of optimum control. Part 2. p.1441.
Kozlov, O.M. - Identity conditions of systems optimum by different criteria. p.1454.
Chelpanov, I B - Method for the approximate solution of integral equations for optimum filtration. p.1461.
Rastrigin, L.A. - Convergence of a random search method with optimalizing control of multiparameter systems. p.1467.
Elistratov, M.R. - Synthesis of discrete systems using a polynomial equation method. p.1474.
Popkov, IU.S. - Transient and steady-state conditions in optimalizing sampled-data systems with independent search. p.1487.
Rakovchuk, G.M. - Succession-type multistage controller for adaptive control systems. p.1501.
Glikikh, M.O., Kriailov, A.D., Poddubnyi, G.V. - Probability approach to the construction of synthesis block in a reading machine. p.1514.
Petrich, I.I. - Application of Mikhailov's criterion in the study of the stability of linear systems using a modeling apparatus. p.1519.
Voronin, G.V. - Electron-beam photoelectric converter for studying the dynamics of visual analyzers using control theory methods. p.1524.
Khlypalo, E.I. - Consideration of the dynamic nonlinearity of magnetic amplifiers in the design of automatic control systems. p.1533.
Ponomarev, IU.F. - Contribution to the theory of magnetic modulators in load operation. p.1539.
Bardizh, V.V. - Analysis of static and pulse parameters of ferrite cores with rectangular hysteresis loops. p.1551.
Rozental', IU.D. - Conditions of most efficient magnetic polarity reversal in cores with rectangular hysteresis loops during a given time interval. p.1565.
Pupkov, K.A. - Calculation of the accuracy of essentially nonlinear automatic control systems. p.1573.
Viktorov, V.A. - Study of the dynamics of an optimalizing network of an endovibration level meter and methodology for calculating its principal parameters. p.1583.
Multipurpose pulse train generator. p.1589.
Bobrov, B.S., and others. - System for the automatic control of distributed objects using operating lines of automatic telephone exchanges as communication channels. p.1593.
Motskus, I.B., Fel'dbaum, A.A. - Symposium on multiextremal problems. p.1597.

AVTOMATIKA, TELEMEKHANIKA I SVIAZ' [AUTOMATIC CONTROL, REMOTE CONTROL, AND COMMUNICATIONS]. Organ of Ministerstvo putei soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol.7, no.11, Nov. 1963.

Table of contents translated:
Tantsiura, A.A. - Means for improving dispatcher-to-train radio communication. p.1,
Filippov, A.M. - Measurement methods for locating cable damages. p.8.
Afanas'eva, S.I. - Automatic signals for railroad crossings. p.10.
Zhil'tsov, P.N. - Polarized plug-in relay. p.14.
Turchenkov, V.I. - An a.c. time relay. p.14.
Kokhanovskii, E.G., Safronova, A.A., Larina, M.N. - Problems of planning and business accounting in signaling and communication districts. p.16.
New clamp-type fuse. p.19.
Shuba, G.I. - We improve labor organization daily. p.20.
Gizel's, A.E. - An untiring efficiency expert. p.23.

Mastennikov, M. K. - Requirements of radio operators, p. 24.
Shcherbakov, V. I. - Improvement of DDK-TsNII-57 dispatcher control networks, p. 25.
IUrtsev, I. I. - Mechanized construction of high-voltage lines, p. 28.
Ovinnikov, A. I. - Equipment bay ShRPS-54 is being connected by the engineer, p. 30.
Pichev, P. I. - Testing the reception channel of supersonic telegraphy equipment, p. 31.
Sergeev, I. S. - ShRPS-54 equipment bays in districts with centralized interlocking, p. 32.
Ovinnikov, A. I., Laptev, V. A. - Dispatcher-to-train radio communication with harmonic elective signaling, p. 34.
New carbon contactors for relays of CTC systems, p. 35.
Shevchenko, IU. P. - Compensation of the frequency characteristics of the ShRPS-IV linear amplifier, p. 46.
Kiselev, M. F., Gurshtein, D. M. - Discussion of the article "Instructions should be reviewed," p. 37.
Glazunov, G. P., Shavel'nikii, V. V. - Placement of the switching signals of automatic block systems, p. 40.
Technical consultation, p. 40.
Conference on the design, construction, and operation of communication systems in a.c. traction districts, p. 41.
Glazman, I. S. - Single-track automatic block system with two-line wires, p. 44.
Survey of foreign journals, p. 47.

ELEKTRICHESKIE STANTSII [ELECTRIC POWER STATIONS]. Organ of Gosplan SSSR [State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 34, no. 10, Oct. 1963.

Table of contents translated:
Romantsov, V. V. - Design and operation of thermal protection systems of once-through type boilers, p. 2.
Tatarinov, B. P., Paletskii, D. L., Taravkov, S. S. - Redesigning of the separator systems of the boilers of a thermal electric power plant and state regional electric power plant of the Rostov Electric Utility System, p. 6.
Kropp, E. I. - Study of dynamic stresses arising during vibrational cleaning of a screen-type superheater, p. 10.
Buslik, N. G. - Blowout of the steam line of a boiler-turbine block, p. 16.
Stolov, M. A., Linkhovich, M. G., Khzmalian, D. M. - Increase in the stability and efficiency in burning milled peat, p. 20.
Sokolov, E. IA. - Centralized control of present-day municipal heat distribution systems, p. 29.
Brodskii, V. L. - Automation of turbine heat emission, p. 30.
Berman, L. D., Prokhorova, E. I. - Leakage detection in the vacuum system of a turbine unit using a halogen leakage detector, p. 34.
Shapiro, G. A., Bokov, A. S. - Operating mode of a turbine using a generator in the capacity of a synchronous compensator, p. 38.
Chumanov, D. S. - Use of caplike locks for covering openings in spillways in the hydraulic developments of thermal electric power plants, p. 41.
Nikitin, I. K., Slivinskaia, A. G. - Increase in the cooling capability of water-cooling reservoirs, p. 45.
Donskoi, A. V., Firsov, P. V., Pruss-Zhukovskaia, I. N. - Induction heating of the oil lines of hydraulic lifts, p. 48.
Vinogradov, D. B. - Use of intermediate standardized 220 kv. poles in the capacity of anchor and corner towers on 110 kv. power transmission lines, p. 50.
Moshkov, V. K., Sovalov, S. A., Gurina, V. A. - Graph of the electrical load of the consolidated electric utility system of the European part of the U.S.S.R. p. 54.
Load distribution between electric power plants, p. 61.
Mukushkin, IA. G., Kuznetsov, N. D. - Load distribution with minimum fuel expenditures, p. 61.
Tishchenkov, A. M. - Load distribution with consideration of production costs, p. 64.
Popov, V. M. - Phase by phase replacement of defective suspension insulators on 35 to 110 kv. power transmission lines under partial phase operation, p. 67.
Tumkevichus, I. I. - Calculation of the deflection of the suspension insulator chains on overhead power transmission lines, p. 70.
Vershkov, V. A., Glebov, E. S., Malyshev, R. A. - Lashing of wires on 400 to 500 kv. overhead power transmission lines, p. 74.
Shevchenko, V. N. - Hoisting of the drum of the TP-80 boiler using a gantry crane with pully blocks, p. 77.
Trusov, S. I., Dvornikov, A. F. - Operation of a magnesite unloading and transporting system, p. 79.
Belokonova, A. F. - Operation of automatic reagent proportioning devices in water purifying systems, p. 80.
Bekker, B. IA. - Installational diagram for connecting resistance thermocouples with a ratiometer, p. 82.
Maksimenko, N. N. - Seasonal change of the capacitance of electric power transmission lines in the Arctic Regions, p. 62.
Martynuk, V. I., Luganskii, V. A. - Schematic of automatic reclosing, reserve cutting-in, and the sectional switch of a substation with remote control, p. 63.
Musatov, T. P. - Inspection of the guiding pipe of VM-35 and VMD-35 cutouts, p. 85.
IAkobs, A. I., Terent'eva, L. P. - Optimum design parameters of grounding devices, p. 86.
Kabanov, P. S., Bonetskii, L. K. - Concerning L. I. Dvoskin's article "Auxiliary power supply networks for the self-needs of large condensing power plants," p. 89.
Improved techniques for pressing active steel of TV2-150-2 and TVF-100-2 turbogenerators, p. 91.
Coals of the Kansk-Achinsk Basin and their use in electric power plants, p. 91.
Awards presented to the participants of the Exhibition of the Achievements of the National Economy of the U.S.S.R. p. 94.
Sarapkin, V. V. - All-Union conference on the development and use of radio communication in the national economy of the U.S.S.R. p. 95.
Krivorotov, A. M. - Review of G. L. Vul'man's book "Operation of generators in electric power plants," p. 96.

ENERGETICHESKOE STROITEL'STVO, sbornik materialov po obmenu opytom [POWER CONSTRUCTION, Collection of Materials for the Exchange of Experience]. Issued by Tekhnicheskoe upravlenie Ministerstva stroitel'stva elektrostantsii SSSR [Technical Administration of the Ministry for the Construction of Electric Power Stations of the U.S.S.R.]. Moscow, no. 16, 1960.

Table of contents translated:
Kozak, B. A., Naimark, I. G. - Assembly of prefabricated reinforced concrete structures of the main housing of a thermal electric power plant using a herringbone hoist, p. 3.
Litvinova, R. E., and others. - Pouring of concrete mixture at the Bukhtarma Hydroelectric Power Station in long blocks without longitudinal seams, p. 13.
Ivashchenko, L. M., Ivashchenko, E. I. - Standardization of building sections of hydroelectric power stations, p. 16.
Tretiakov, A. K., Filonidov, A. M. - Use of ultrasonic waves in studying the quality of concrete in the bridge crossing beams of the Kremenchug Hydroelectric Power Station, p. 22.
Amatov, N. N., Tokarev, M. V. - Testing of an experimental soil packing machine with pneumatic-impulse action, p. 27.
Fishman, IU. A. - Brief survey of the bridgings of the beds of large plain rivers in the construction of hydroelectric power stations, p. 33.
Sukovatov, S. A. - Washout of the bottom of the narrow section of the bed of the Irtysh River, p. 43.
Artibilov, B. M. - Use of carbonaceous sands in the preparation of a concrete mixture, p. 45.
Amatov, N. N., Tokarev, M. V. - New design of buckets for transporting concrete mixtures, p. 50.
Dantlenko, T. S. - Conducting geodetic work in the installation of units of the Stalingrad Hydroelectric Power Station, p. 55.
Parshikov, N. A. - Experience in the construction of electric power transmission lines, p. 59.
New developments in the construction of 400-500 kv. power transmission lines, p. 59.
Mechanization of work in conducting grounding operations in the construction of substations and power transmission line towers, p. 65.
Novitskii, V. O. - Terrestrial reinf
boxes as a replacement for cr
type electric power distributi
Ratkovskii, V. S. - Use of a con
trical equipment installation
Ievlev, V. I., Slonskii, V. V. - I
current conductors using a.c
p. 75.
Ievlev, V. I. - Installation of a c
flexible coupling by means of
p. 80.
The Zmiyev State Regional Elec
p. 83.
In the Engineering Administrati
Coating of freshly poured concr
laquer, p. 89.
An industrial and technical conf
of the construction industry.
Charksoliani, A. - Letter to th

LENINGRAD. ELEKTROTEKHNI
Izvestiia [INSTITUTE OF ELEC
ING. Bulletin]. No. 47, 1962.

Table of contents tra
Evteev, F. E. - Prospective de
sign and manufacture of rad
tus, p. 3
Ermolin, N. P. - Present prob
ment of small electrical ma
Panfilov, S. I. - Some problems concerning the determination of complex roots in polynomials p. 36
Sbitnev, V. S., TSikolin, G. I. - Radio engineering method for measuring the coefficient of internal friction p. 46
IUrov, IU. IA., Lavrenko, IU. E. - Metal-plate lense for circular polarization with potential zoning p. 56
Vinokurov, V. I., Makkaveev, V. I. - Absolute measurement of the power of weak harmonic signals using a radiometer. p. 63
Egorov, IU. V. - Efficient regulated ferrite phase shifters p. 73
Egorov, IU. V. - Longitudinally-transverse waves in a rectangular waveguide filled with two different media p. 86
Vendik, O. G. - Simplified calculation of the directional properties of a parabolic antenna p. 98
Barsukov, IU. K. - Measurement of the instantaneous values of periodic pulse voltages using a compensation technique p. 109
Terpugov, N. V. - Noises of a four-terminal network p. 117.
Matkhanov, P. N., Grigor'ev, V. T. - Network of a long power pulse generator with inductive storage device p. 136
Kurenev, S. I. - In memory of A. V. Berendeev; on the 5th anniversary of his death p. 141
Berendeev, A. V. - Application of the calculus of tensors and the geometry of Riemann spaces to linear bound systems p. 143
Lebedev, A. N. - Solution of transcendental equations using a root selection method on paper with the aid of mathematical models p. 157
Smol'nikov, L. P. - Optimum relative switching duration for the electric drives mechanisms of rolling mills p. 171.
Sapozhkov, K. A. - Problems of terminology and classification in computer engineering systems p. 181
Anisimov, V. I., Golubev, A. P. - Temperature stability of the output voltage of transistor RC sine wave generators, p. 195
Maksimov, IU. I. - Transient process in an RL network connected through a rectifier with a current transformer p. 212.
Vasil'ev, D. V., Taratin, A. F. - Synthesis of a system of mutually coupled channels of a heavy copying and milling machine. p. 220
Basharina, V. N. - Transient processes in distributed nonlinear networks. p. 261
Baruzdin, A. P., Nesterov, B. Z. - Magnetic forces generating vibration and noise in salient pole synchronous machines p. 275
Baruzdin, A. P. - Elastic deformation and noise level at the surface of a stator p. 289.
Ilasov, V. A. - Dynamics equation of a self-excited synchronous generator with compounding and voltage regulation p. 300.
Volisckhovskaia, I. A., Rekalova, G. I., Khropova, P. M. - Determination of the optimum parameters of an uncooled antimony-indium photocell p. 316.
Nepomniashchii, E. A. - Use of stochastic methods in the determination of laws governing a granulation process p. 335.
Dobrotin, D. A. - Steady-state processes in a cable line without leakage p. 342
Avak'iants, S. D. - Characteristics of a three-phase bridge inverter with series capacitances p. 359.
Dmitriev, A. V. - Theory of a gas discharge with the presence of a dielectric barrier. p. 370
G. V. Odintsov; obituary. p. 388.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'-

Zhuzhikov-shvili, V. A., Mitushkin, K. G. - Single-cycle pulse distributor using elements with a rectangular hysteresis loop p 131
Geronimus, T. L. - Line blocks with a three-positional FM modulation for remote control and signaling devices p 150
Mitushkin, K. G. - Magnetic frequency divider p 157
Milov, V. S. - Discrete telemetering systems. p 173
Burdenkov, G. V. - Code-impulse telemetering device p 189
Fomin, G. I. - Balanced transmitter of a low-frequency telemetering system p 202
Geronimus, TS. F. - Use of telemetering systems in time multiplexing channels in electric power distribution systems p 208
Bukhovskii, I. L. - Design norms of high-frequency channels using electric power transmission lines p 216
Mikutskii, G. V. - Measurement of the high-frequency parameters of a 35 kv power transmission line p 220
Kal'manovich, M. A., Tarancher, V. I. - Experience in adjusting and operating high-frequency protection channels on a 400 kv power transmission line p 226
Kafieva, K. IA. - Composite high-frequency EPO-2K telephone communication and remote control apparatus p 224
Skitil'tsev, V. S. - Equipment of communication channels for a frequency type remote control system p 261
Mikutskii, G. V. - Line filters for high-frequency communication apparatus, remote control, and electric protection p 275
Medvedev, V. I., Pattosh, T. Z. - Measurement of the high-frequency parameters of power transformations p 295
Mikutskii, G. V. - Calculation of high-frequency transformers with steel cores p 306
Pavlychev, L. E. - Drainage coils as a special measure for protecting communication lines from dangerous and interfering effects of electric power transmission lines operating in a nonsymmetrical mode p 315

No 15, 1963 Rabota po issledovaniiu metodam raschëta perekhodnykh i ustanovivshikhsia protsessov v elektricheskikh sistemakh [Work in research and methods for calculating transient and steady-state processes in electrical systems]

Table of contents translated

Porinoi, M. G. - Resynchronization of weakly coupled power systems p 4
Stepunin, S. E. - Device exhibiting nonsynchronous operation in an electric power system. p 21
Sokolov, N. I. - Choice of coordinate systems and use of equivalent circuits in mathematical modeling of the transients of synchronous and asynchronous machines p 47
Gurevich, IU. E., Khvoshchinskaia, Z. G. - Modeling of synchronous machines using electronic analog computers p 72
Gorbunova, L. M., Porinoi, M. G. - Mathematical modeling of a synchronous machine taking saturation into account. p 96
Dorf, G. A. - Use of high-speed electronic computers in calculating voltage regeneration p. 106
Mel'nikov, N. A. - Calculation of the modes of operation of complex equivalent circuits using the values of input resistances. p 118
Mel'nikov, N. A. - Method for calculating modes of operation of systems with magnetic couplings using dual networks. p 125.
Timofeev, D. V. - Experimental study of laws governing changes in voltages and currents in traction loads p 133
Frolov, A. S. - Use of the statistical testing method in determining the one-dimensional distribution function of the values of current (voltage) p. 166.
Porinoi, M. G. - Use of a small parameter technique in self-oscillatory and resonant systems approaching a conservative state p 179.
Kiskachi, V. M., Nazarov, IU. G. - Consideration of the effect of aperiodic current and voltage components in the operation of transistorized relays p 187.
El'kind, IU. M. - New diagram for oscillographic recording of short-circuit currents p 204
El'kind, IU. M. - Conversion of the frequency characteristics of oscillographic galvanometers. p 211.
Nikiforov, E. P. - Effect of the twisting of a wire on one weight of the ice crust formation. p. 220.
Bronshtein, E. L., Venikov, V. A., Sovalov, S. A. - Study of the electrical braking of the generators of the V. I. Lenin Volga Hydroelectric Power Station. p. 227.

PROBLEMY GIDROENERGETIKI I VODNOGO KHOZIAISTVA [PROBLEMS IN HYDROELECTRIC POWER AND WATER RESOURCES] Issued by Institut energetiki Akademii nauk Kazakhskoi SSR [Institute of Power Engineering of the Academy of Sciences of the Kazakh S. S. R.]. Alma-Ata, no. 1, 1963

Table of contents translated:

Preface p 3
Sokolovskii, D. L. - Hydrology and water resources of arid regions p 5
Zakharov, V. P., Kim, V. IA., Chokin, Sh. Ch. - Methods for the practical calculation of water supply guaranteed to hydroelectric power stations p 10
Zakharov, V. P., Kim, V. IA. - Elementary theory of infinitely bounded distributions. p 53.
Zakharov, V. P., Kim, V. IA. - Continuous periodicity of a hydrological process as a methodological basis for water supply calculations. p 73
Kalachev, N. S. - Establishment of rational limits for regulating runoff p 101
Kalachev, N. S. - System of the characteristics of annual uneven runoff of rivers p 120
Braslavskii, A. P. - Calculation of changes in the humidity and air temperature during the motion of an air current over a water surface p 130
Busalaev, I. V. - Mathematical statistics method for calculating earth displacement operations in the planning of canals and irrigation districts p 156
TSvetkov, E. V. - Operational and design problems in regulating river runoff. p 168.
Mamatkanov, D., Druzhinin, I. P. - Problem concerning the construction of generalized graphs for calculating river runoff regulations over a period of years p 199
Degtiarev, V. V., Gusev, G. F. - Effect of the Bukhtarma reservoir on the hydrological conditions of the Irtysh River. p 209.

PROBLEMY PEREDACHI INFORMATSII [PROBLEMS OF TRANSMISSION OF INFORMATION]. Issued by Laboratoriia sistem peredachi informatsii Akademii nauk SSSR [Laboratory of Systems of Transmission of Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 14, 1963. Teoriia optimal'nogo kodirovaniia [Theory of optimum coding].

Table of contents translated:

Pinsker, M. S. - Sources of communications. p. 5.
Dobrushin, R. L., TSybakov, B. S. - Transmission of information with additional noise. p. 21.
Ovseevich, I. A. - Carrying capacity of a multipath system. p. 43.
Pinsker, M. S. - Gaussian sources. p. 59.
Blokh, E. L., Popov, O. V. - Correction of separate erasure packs using block codes. p. 101.
Pisarenko, V. F., Rozanov, IU. A. - Some problems for steady-state processes leading to integral equations related to Wiener-Hopf equations. p. 113.
Fortus, M. I., Iaglom, A. M. - Evaluation of the coefficients of the linear combination of defined functions in the presence of noise with rational spectra p. 136.
Koshelev, V. N. - Quantization with minimal entropy. p. 151
Kharkevich, A. A. - Some views underlying the mechanism of creative processes. p 157.

PROMYSHLENNAIA ENERGETIKA [INDUSTRIAL POWER]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR and Nauchno-tekhnicheskoe obshchestvo energeticheskoi promyshlennosti [State Committee for the Coordination of Research in the U. S. S. R. and the Scientific Technological Society of the Power Industry]. Moscow, vol. 18, no. 11, Nov. 1963.

Table of contents translated:

Let's protect the good name of the collective p. 2.
Shapiro, E. A. - Shortcomings in the planning and evaluation of the economy of fuel in petroleum refining plants. p 4.
Koziulev, G. I., Shuev, S. I. - Utilization of the heat of scavenging water. p 6.
Kuz'min, P. V. - Start of synchronous motors with close coupled exciters. p. 8.
Barron, A. E. - Schematic for connecting ignitrons in a three-phase network. p. 9
Pakhomov, V. N., Pozhidaev, A. V., Denisov, B. D. - Defects in air switches for electric arc furnaces p 10.
Spevak, L. B. - Problems of electrical safety and injuries should receive greater attention p 13.
Lamin, P. Z. - Chamber for drying electrical machinery with automatic temperature control. p. 16.
Dubrovskii, V. F. - Use of repeater relays in regulation, signaling, and automatic control networks p 18
Roslinkov, V. P. - Soldering irons manufactured by the Lyskovsk Factory and requirements of portable electrical equipment. p. 19.
Gritchin, V. V., Maidel', M. B. - Device for cleaning wire insulation. p. 20
From the editor p. 21.
Granovskaia, I. R., Fogel', V. O. - Devices for heating high-temperature liquid heat carriers p 22
Tchentkhin, E. F., Gusev, B. T. - Effect of a magnetic field on the emission of calcium carbonate p 26
Kulachkov, V. I. - Electromagnetic treatment of boiler feedwater p. 32
Belan, F. I., Bovalskaia, M. V. - Magnetic treatment of boiler feedwater p 33.
Popov, N. G. - Rinsing of steam superheaters with saturated steam p 37.
Seleznev, A. I. - Thermal longitudinal displacement of heat conductors. p 38.
Maksimenko, N. N. - Conductivity of reinforced concrete pile foundations in permafrost regions. p. 41
Nabedrik, L. IU. - Consideration of growing electrical loads in planning the electric power supply of synthetic rubber plants. p. 43.
Tarumov, A. N., Spevakov, P. I. - Duration and switching current of the protective apparatus of 380/220 volt power distribution networks with direct shorted neutral lines. p 44
Vol'fkovich, IA. E. - Lighting of control and measurement instruments assembling shops p 51.
Vol'fkovich, IA. E. - Start network containing thermostat and reactor elements for the electric drives of conveyors p. 52
Vol'fkovich, IA. E. - Injuries from electricity in Austria in 1961. p. 52
Ermilov, A. A. - Work of the joint technical council of the State Design and Planning Institute of the Electrical Industry. p. 55
Brief news p 56.
Zhivov, M. S. - Defects of the PPM-10 spring drive p 58
Entin, D. Z. - Improvement of the design of electric power supply systems of industrial enterprises p. 59.
Dormakovich, P. A. - Methods for detecting faults in gas-discharge lamps in commercial signs p 60.
Marshak, E. L., Meksin, L. M. - "Repair and testing of large electrical equipment" by V. I. Shved, V. D. Afonin, Z. L. Boldinskii. p. 61.
Through the pages of trade journals p 62.
Cam-type regulated Improved KA410B, KA420B, KARN40B, and KAM40B modernized regulated cam-type command apparatus KA410B, KA420B, KAR40B, KARN40B, and KAM40B p 63.
Principle features of boilers manufactured by the Belgorod Boiler Factory in 1963 p. 64.

RADIO. Organ of Ministerstvo sviazi SSSR and Vsesoiuznoe dobrovol'noe obshchestvo sodeistviia armii, aviatsii i flotu [Ministry of Communication of the U. S. S. R. and of the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, no. 9, Sep. 1963.

Table of contents translated:

We should educate ardent patriots of the Soviet Union p. 1.
The third All-Union Spartakiada. p. 3.
Mitulinskii, IU. - Reading automats. p. 4.
Belousov, B. - Inspection of the creative work of Siberian radio amateurs. p. 6.
Ivanov, L. - As told by the radio amateurs of Kaliningrad. p. 8.
Lbov, F. - At the sources of radio sport. p. 10.
Short radio waves. p. 13.
New classes of norms and requirements. p. 15.
Kazanskii, N. - Next congress of the IARU. p. 16.
Krivoguzov, A. - Calculation of the output power of radio transmitters. p. 17.
Gaukhman, R. - Improvement in the selectivity of shortwave receivers. p. 19.
Labutin, L. - What is SSB operation? p. 20.
Dobysh, G. - Maximum sensitivity of a television receiver. p. 24.
Bukhman, D., Kisliachenko, V., Shakhov, V. - The "Belarus'-110" television receiver and phonograph combination. p. 28.
Gerasimovich, M. - How to prolong the life of a kinescope. p. 31.
Rymar', B. - Measurements in low-frequency a.c. circuits. p. 32.
Ivanov, V. - A block-type superheterodyne receiver. p. 36.
Belov, I., Grigor'eva, O. - "Topaz-2" and "Sturt-3" pocket radios. p. 38.
Results of measuring the electrical conductivity of soils in the U. S. S. R. p. 40.
Maiuchii, V. - Power supply of the "Nedra-1" radio transmitter. p. 44.
Vershchagin, E. - Dynamic condensers control the frequency. p. 46.
Rozov, V. - Output stages of transistor radio receivers. p. 49.
Artamonov, V. - Point-contact silicon diodes in an amplitude detector. p. 52.
Mindlin, N., Vakulenko, T., Eremeeva, G. - The 6F4P triode-pentode. p. 54.

Trofimov, A. - Interference-free synchronization, p. 56.
Through the pages of foreign magazines. p. 57.
Our consultations. p. 60.
Bookshelf. p. 63.
Exchange of experience. p. 48.

No. 11, Nov. 1963.
Table of contents translated:

Likhachev, M. - National holiday. p. 1.
Likhachev, M. - "Big chemistry" and electronics. p. 3.
Ivanov, V. - Role of radio communication in the battle for Kiev. p. 4.
Kokets, B. - More attention to the education of youth. p. 6.
Belousov, B. - Outstanding initiative. p. 7.
A scientist's 70th birthday. p. 8.
Filatov, K. - Good deeds of the "contemporary of the seven-year plan." p. 9.
Rosliakov, I. - The gold medals have been won by the Moscow team. p. 11.
Grif, A. - The tournament of the best radio amateurs. p. 12.
Kuzanakli, N. - Surprises of victory. p. 14.
Our friendship must grow and strengthen. p. 16.
Kopylov, A., Bezymenskii, G. - Follow-up of articles published in our periodical. p. 16.
TSyganova, L. - Radio operators of Lvov are making the preparations. p. 18.
Ronzhin, N. - Portable kit for training radio operators. p. 19.
Ultrashort radio waves. p. 22.
Lomanovich, V., Penkin, D. - Antennas for 430-440 mc. operation. p. 23.
Varlamov, R., Sporynskii, V. - Transistorized audio tracking device. p. 25.
Likhachev, M. - Microminiaturization. p. 28.
Fedotov, IA. - Transistor technology and miniature electronic equipment. p. 29.
Ivanov, V. - A block-type superheterodyne. p. 33.
Krylov, G. - Wide-band high-frequency amplifier. p. 37.
Romiantsev, M. - Superheterodyne using four transistors. p. 39.
Vasil'kevich, I. - Transistor low-frequency amplifiers. p. 42.
Ushchapovskii, P. - Device for locating short-circuits. p. 45.
Shcherbin, A. - Small-sized ionizer and negative ion counter. p. 47.
Pukhlik, IU. - Automatic temperature control. p. 50.
Smirnov, V. - PTR-2 transistorized temperature regulator. p. 51.
Kudriavtsev, IU. - Measurements in the adjustments of low-frequency amplifiers. p. 53.
Koval'chuk, D. - The Ts430/1 voltmeter. p. 55.
Aleksakhin, K. - Aerogenerator based on the principle of a gyroscope. p. 56.
Angelov, IA. - Receiver for radio controlled models. p. 58.
Through the pages of foreign magazines. p. 60.
Our consultations. p. 61.
Exchange of experience. pp. 27, 32, 41, 46, 62.

*RADIOTEKHNIKA [RADIO ENGINEERING], Organ of Nauchno-tekhnicheskoe obshchestvo radiotekhniki i elektrosviazi im. A. S. Popova [A. S. Popov Scientific Technological Society of Radio Engineering and Telecommunications]. Moscow, vol. 18, no. 10, Oct. 1963.

Table of contents translated:

Kontorovich, M. I. - Input functions of electric two-terminal networks. p. 3.
Kashin, IU. A. - Mean number of overshoots in an n-threshold device. p. 10.
Finkel'shtein, M. I. - Multiple synchronous accumulation of impulse signals. p. 15.
Smirnov, N. I. - Correction of errors. p. 21.
Poplavko, IU. M. - Ferroelectric substances with regulated specific inductive capacitance in a wave guide. p. 22.
Nikolaenko, N. S. - Transistor stage with a composite feedback. p. 30.
Belousova, N. V., Lebedev, V. L. - Disruption in the tracking of an automatic frequency control system. p. 35.
Volshville, G. V., Poroshin, N. D. - Analysis of a reactive capacitive amplifier. p. 43.
Glebovich, G. V. - Distortion of nanosecond impulses propagating through a coaxial cable. p. 54.
Balakliitskii, I. M., Bulgakov, A. A. - Two methods for microwave power stabilization. p. 63.
Agakhanian, T. M. - Design of a microelement with distributed RC links. p. 67.
TSvetnov, V. V., Veitsel', V. A., Arkhangel'skii, V. A. - Letter to the editor. p. 73.
All-Union session of the A. S. Popov Scientific and Technical Society of Radio and Electronics dedicated to "radio day." p. 75.
New books. p. 3 of cover.

Vol. 18, no. 11, Nov. 1963.
Table of contents translated

For communism, for peace. p. 3.
Zaezdnyi, A. M., Eidukiavichius, G. V. - Abridged representation of signals with the aid of a system of orthogonal functions. p. 5.
Antonov, O. E., Ponkratov, V. S. - Passage of signals through a nonlinear quadripole p. 13.
Zaitsev, IU. A. - Lens antenna with beam swinging in a wide range. p. 20
Belichenko, A. I - New circuits of selective RC-amplifiers with parallel negative *feedback*. p. 27.
Sidorov, V. M. - Process of transition to the reception of an interfering station by a receiver of frequency-modulated signals. p. 35.
Akchurin, E. A., Stybilk, V. A. - High-power oscillators on tunnel diodes. p. 45.
Makarov, I. S. - Detection of coded signals recorded on a magnetic carrier. *p. 50.*
Pikulik, V. G., Shats, S. IA. - Relaxation oscillator on an avalanche transistor with grounded emitter and base. p. 57.
Lebedev, V. V. - Use of a recirculator for the contraction of frequency-modulated signals. p. 62.
Khokhlacheva, N. A. - New galvanomagnetic switching *devices*. p. 71.
A. I. Berg, on his 70th birthday. p. 78.

*RADIOTEKHNIKA I ELEKTRONIKA [RADIO ENGINEERING AND ELECTRONICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 8, no. 12, Dec. 1963.

Table of contents translated:

Kistiuk, L. D. - Some binary codes with maximum weight combinations. p. 1963
Vasil'ev, E. N. - Excitation of a thick cylinder with finite length. p. 1972.
Zelkin, E. G. - Synthesis of an antenna with plane aperture. p. 1980.
Shevchenko, V. V. - Propagation of a surface wave through the bend of a plane guiding surface. p. 1988.
Sveshnikov, A. G., Modonov, V. P. - Propagation of an H_{11} wave in a round waveguide filled with gyrotropic plasma in the finite section of its length. p. 1998.
Il'inova, T. M., Khokhlov, R. V. - Wave processes in lines with shunting nonlinear resistances p 2006
Sergievskii, B. D - Reaction of an amplitude receiver to oscillations modulated by phase or frequency fluctuations with detuning of the carrier frequency in respect to the receiver. p 2016.
Prototopopov, A. S. - Calculation of the output power of a detector with almost real characteristics during simultaneous signal and noise detection. p. 2024.
D'iakov, IU E. - Formation of nonstationary noise in a parametric amplifier and properties of its envelope and phase. p. 2034.
Rozhdestvenskii, K. N. - Absence of critical cycles in the equations of a laser p. 2043.
Danilov, V. N. - Brillouin state of a two-dimensional electron flow. p. 2046
Livshits, V. V., Rabinovich-Vizel', A. A. - Frequency multipliers using the nonlinear capacitance of diodes with sharp p-n junctions. p. 2055.
Migulin, I. N., Chapovskii, M. Z. - Dependence of the input admittance of transistors on temperature and collector current. p 2066.
Reshetnikova, L. V. - Surface migration and adsorption of barium atoms on the edges of filamentary monocrystals of tungsten. p 2071.
Kluber, B. E. - Theory of plane horns with round edges. p. 2078.
Ivanov, K. P. - Gyrotropic excitation of a helical line. p. 2082.
Basov, N. G., Markin, E. P., Nikitin, V. V. - Some characteristics of an optical maser operating on a Ne and He mixture with a $\lambda = 3.39$ micron. p. 2084.
D'iakov, IU. E. - "Improvement" of abbreviated equations describing a-parametric amplifier. p. 2086.
Zhodzishskii, M. I. - Applicability limits of the approximation of the characteristic of a tube using incomplete third-order polynomials. p. 2089.
Belova, N. A. - Effect of various laminating impurities on the voltampere characteristics of tunnel diodes. p. 2091.
Sokolov, IU. F. - Theory of the frequency characteristics of p-n junctions at large injection levels p. 2093.
Kolomiets, B. T., Lebedev, E. A. - Voltampere characteristics of a point contact with glass-type *semiconductors*. p. 2097.
Beregtovskii, G. N. - Electrical analogy of sensitive nerve ends. p. 2099.
From the Committee on Inventions and Scientific Discoveries of the U. S. S. R. p. 2102.
Recommended procedures for conducting experiments in the study of breakdown in high vacuum. p. 2102
Vainshtein, L. A. - "Microwave circuits and wave *propagation*" by J. Voge. p. 2106.
Contents of v. 8 of "Radiotekhnika i elektronika" for 1963. p. 2107.
Author index of v. 8 of "Radiotekhnika i elektronika" for 1963. p. 2118.

REFERATIVNYI ZHURNAL: AVTOMATIKA, TELEMEKHANIKA I VYCHISLITEL'NAIA TEKHNIKA [JOURNAL OF ABSTRACTS: AUTOMATIC CONTROL, REMOTE CONTROL, AND COMPUTER TECHNOLOGY] *Issued by* Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 1, Jan. 1964.

REFERATIVNYI ZHURNAL: ELEKTROTEKHNIKA I ENERGETIKA [JOURNAL OF ABSTRACTS: ELECTRICAL ENGINEERING AND ELECTRIC POWER]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 11-12, Nov.-Dec. 1963.

REFERATIVNYI ZHURNAL: IADERNYE REAKTORY (Otdel'nyi vypusk 50) [JOURNAL OF ABSTRACTS: NUCLEAR REACTORS (Separate Issue 50)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of *Sciences of the U. S. S. R.*]. Moscow, no. 1, Jan. 1964.

REFERATIVNYI ZHURNAL: RADIOTEKHNIKA I ELEKTROSVIAZ' [JOURNAL OF ABSTRACTS: RADIO ENGINEERING AND TELECOMMUNICATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 12, Dec 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; elektromekhanika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning Electrical Machinery and Apparatus]. Novocherkassk, vol. 6, no 9, 1963.

Table of contents translated

Kurenev, S. I., Volkov, M. G. - Shielding of an external field by a hollow flattened ellipsoid. p. 1027.
Khodakov, A. L., Turik, A. V. - Consideration of hysteresis losses in the oscillations of systems containing nonlinear seignetoelectric elements p. 1032.
Boliaev, I. P., Ivanov, A. A. - Calculation of thermal processes in an electrical machine using an electronic digital computer. p. 1040.
Rolik, A I, IAkovlev, A. I. - Additional losses in asynchronous short-circuited motors. p. 1050.
Zhuk, K. D. - Determination of the coefficients of transfer functions of linearized links of automatic control systems using a relaxation method. p. 1062.
Ozernoi, V. M. - Synthesis of optimum control for d. c. motors with limitations in current and heating. p. 1071.
Bogushevich, A. V. - Electronic commutation of current in a full-wave rectifier with zero outlet. p. 1080.
Dritov, L. A., Gol'dshtein, M. E. - Analysis of the parallel operation of dynamically controlled mercury rectifiers with inductive current dividers. p. 1084.
Zimin, E. N., TSybul'ko, O. N. - A regulated a. c. micromotor. p. 1093.
Sabinin, IU. A., Popov, O. V. - An a. c. servo drive for closing a navigation lock. p. 1098.
Fabrikant, V. I., Stradomskii, IU. T. - Study of a network for the simultaneous stoppage of the motors of a multiple-motor d. c. drive. p. 1108.
Volotkovskii, S. A., Shishkov, A. I., Shafranov, V. P. - Calculation of the static characteristics of the drive system of an excavator in a generator-motor system with three generator excitation windings. *p. 1113.*
Lyz', A. I. - Transformation of continuous quantities into discrete increments. p. 1115.
Kolotygin, E. S., Mamontov, V. I. - Transistorized three-phase RC generator p. 1118.
Mozgalevskii, A. V., Lukomskii, IU A. - Operational stability of a hydraulic and electric drive with reciprocating motion and clearance. p. 1125.
Verlan', A. F. - Concerning A. I. Petrenko's report "Composition of a problem using a model." p. 1126.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Power Engineering]. Moscow, vol. 6, no. 9, Sep. 1963.

Table of contents translated:

Sazonov, N. A., Birulia, I. N., IArovenko, V. S. - Regulation of the voltage of synchronous TSK-1 generators with self-excitation transformers and compounding. p. 1.

Kuznetsov, I F - Measurement of the electrical parameters of multiwire steel cables with large cross section p 7.
Merzhanov, A K - Calculation of the placement of the KRB-122 blocking device p 11
Gubanov, M N - Method for calculating three-phase networks with saturable reactors operating in a forced excitation mode p 22
Kotrikov, K P - Effect of the magnitude of magnetic flux on the heating of a frequency regulated induction motor p 30
Figurnov, E.P - Optimum parameters of a system for supplying power to electric railroads p 37
Kravtsov, S F - Calculation of resistors operating in repeated short term duration mode p 45
IAblonik, R M., Markovich, E E - Study of mechanical losses due to humidity in turbine stages p 51
Nakhman, IU V - Equations for analyzing the flow of wet steam p 59
Kirillov, I I, Ivanov, V A - Static nonautonomous systems for joint control of turbines with steam takeoff p 65
Khutskii, G I - Algorithmation of a process of optimum control of a boiler unit p 74
Polozhii, S V - Experimental study of adiabatic steam formation during steam flow in nozzles p 78
Martynova, O.I., Samoilov, IU. F. - Phase equilibrium in some heterogenous reactions of calcium in magnesium compounds p 85.
Kovliashenko, N N - Heat of compressed air as a source for increasing the productive capacity of pneumatic machinery. p 90
Palishkin, N A - Pressure losses in the lattices of water intakes of hydroelectric power stations. p 99
Denisenko, I D - Determination of the transmitting capacity of the bed having walls with different roughnesses in the transverse plane. p. 103
Lukutin, V A. - Static characteristics of traction loads p 108
Puchkovskii, V V, Kochetkov, L L, Ryzhov, IU A - Temperature dependence of the resistance of oil barrier insulation p 112
Shakhov, A I, Muzychenko, A N, Dushkin, S S - Design of apparatus for the magnetic feed water treatment p.115
Goflin, A.P., Livshits, S.P. - "Compressing machinery" by K I Strakhovich, M I Fenkel, I K.Kondrjakov, and V F Ris p.119.
Concerning an error in the handbook "Engineering thermodynamics" by M P Vukalovich, and I.I Novikov p 121.
Gukhman, A A, Gandel'sman, A F - Letter to the editor p 122
Zuev, E N - Papers of a seminar on the operating modes and automation in electrical systems p 123

Vol 6, no 10, Oct 1963
Table of contents translated
IUrevich, E.I - Static errors in load distribution between electric power plants undergoing synchronous time regulation. p.1.
Novash, V.I., Kavtsevich, E N, Rechin, Sh Sh. - Study of the nonsynchronous modes of operation of an electric power system with nonsynchronous automatic reclosing of electric power transmission lines. p.8.
Dombrovskii, V V., TSirlin, IU L, Karpenko, V.P. - Internal short-circuits in the loop windings of synchronous machines. p 16.
Akodis, M.M., Maslennikov, D S. - Decrease in the switching distortions of a current in switchgear testing systems using synthetic circuits. p.22
Kadomskaia, K.P., Levinshtein, M.L, Chertousova, V.M. - Methods for calculating higher harmonic [illegible] me with two nonlinear elements

[illegible]n of an effective num- [illegible] calculation

Zhuravlev, V G - Methodology for considering the effect of the decrease of water supply in the reservoir of a hydroelectric power station taking into account the coefficient of power efficiency p 103
Mishchuk, G.IA. - Determination of the field of velocities in the plane of a spreading turbulent flow using a characteristics technique p 106
Motovilov, V V, Poliakova, N A - Distance-type signaling device for local communication with increased capacity permitting transmission of telephone messages p 115
Udalov, N P - Approximate calculation of the output characteristics of a transistor p.119
Kolosov, S P - Calculation of electrical networks containing thermistors using an internal feedback technique p 122
Didyk, B S, Katkov, F A - Discrete frequency combination telemetering system with group coding p 125
Geller, Z I, Ashikhmin, V I. - Effect of low-frequency oscillations on the purity of the heating surface of a rocking heater. p 130

*RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovanija. Izvestiia vysshikh uchebnykh zavedenii, radiotekhnika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering] Moscow, vol.6, no 5, Sep.-Oct. 1963.
Table of contents translated:
Plemiannikov, A.N. - Propagation of radio waves along a nonuniform earth surface, p.457.
Khmurny, IAn. - High-frequency wattmeter with nonlinear resistances. p.467.
Tershchenko, A.I., Shein, A.G. - Uneven mechanical connection of rectangular wave guides in the H-plane. p.476.
Trikoz, IU.S. - Device for signal time spectrum compression. p.483.
Dombrugov, R.M. - An unused possibility for television signal spectrum compression. p.490.
Pasputnyi, V.N. - A complex cathode follower. p.495.
Chikin, N.M. - Types and characteristics of waves in a circular septate wave guide. p.502.
Litvin, M.V. - Suppression of impulse noise by intermittent amplitude limitation in the low-frequency channel of a radio receiver. p.509.
Nagornyi, L.IA. - Relative instability of the principal parameters of an amplifier. p.514.
Alekseev, G.A., Skripnik, IU.A. - Checking of wire-wound resistors in a wide range of frequencies. p.524.
Chebotarev, R.P. - Radio echo method for determining radiants and velocities of individual meteors. p.533.
Tikhonov, V.I. - Distribution of quasiharmonic noise envelope maxima. p.537.
Alekseev, O.V. - Comparison of the circuits of a wide-band power amplifier using two shielded tubes. p.543.
Kolli, IA.N. - Use of a Q-meter for measuring permeability. p.548.
Arkhipov, V.K., Stepanov, B.M. - Telemetering of high-speed processes. p.554.
Plonskii, A.F. - Calculation of the Q factor of thermally compensated quartz resonators. p.562.
Mikikechko, A.N., IAstrzhembskii, V.D. - System for measuring amplitude and phase oscillations at different points in a diffuser. p.564.
Rzhetskii, N.N. - Voltage level suppressors. p.566.
Vinogradov, M.I. - Experimental study of an extrapolation method of impulse noise suppression in facsimile signal reception. p.569.
Andrushko, L.M. - Calculation of the dispersion of a chain of toroidal cavity resonators inductively coupled through slots. p.571.
Koval'chuk, IU.V. - Determination of the equivalent parameters of a multiterminal network using a multipolar network matrix. p.573.
Borzenko, V.V., Bagrov, G.V. - Measurement of the parameters of variable capacitance diodes at ultrahigh frequencies. p.575.
Zav'ialov, A.S. - Calculation of delay systems with finite width. p.577.
Smirnov, V.S. - Defense of dissertations in the M.I. Kalinin Polytechnical Institute in Leningrad. p.579.
Bolkin, M.K. - Transactions of communication institutes. p.582.

SVETOTEKHNIKA [LIGHTNING ENGINEERING]. Organ of Gosudarstvennyi komitet po elektrotekhnike pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva energeticheskoi promyshlennosti [State Committee for Electrical Engineering, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Power Industry]. Moscow, vol.9, no.11, Nov. 1963.
Table of contents translated:
Litvinov, V.S., Troitskii, A.M. - Effectiveness of high-frequency fluorescent lighting. p.1.
Novik, A.E. - Calculation of the geometric parameters of the cathodes of fluorescent lamps. p.9.
Marshak, I.S., Vasil'ev, V.I., Tokhadze, I.I. - Small ballastless tubular xenon lamp with water cooling. p.13.
Dolgopolov, V.I., Dolgopolova, L.N., Petrova, N.G. - Principal characteristics of materials used in manufacturing light fixtures. p.18.
Veis, L.E. - Lighting of a traffic intersection in the Tagan Square in Moscow. p.22.
Detkov, S.P. - Consideration of multiple reflections. p.25.
Riabov, M.S. - Choice of start regulating apparatus for fluorescent lamps and areas of their use. p.27.
Korablev, A.D., Khabarov, E.E. - Lighting of driveways at buildings in newly constructed developments. p.29.
Through the pages of foreign magazines. p.40.
Gleb Nikolaevich Rautian, obituary. p.31.
Solntseva, Z.A. - New light fixtures with DRL lamps and their principal characteristics. p.32.

*VESTNIK SVIAZI [COMMUNICATION REVIEW]. Izdaet by Ministerstvo sviazi SSSR and TSentral'nyi komitet Profsoiuza rabotnikov sviazi, rabochikh avtomobil'nogo transporta i shosseinykh dorog [Ministry of Communication of the U.S.S.R. and the Central Committee of the Trade Union of Communications Employees and Workers of Automotive Transportation and Highways]. Moscow, vol. 22, no. 11(272), Nov. 1962.
Table of contents translated:
Psurtsev, N.D. - The good name of soviet telecommunication workers. p.1.
Tarakanova, M.S., Sverdlov, M.P. - Single-channel (OTT-2) voice-frequency telegraphy apparatus using transistor devices. p.3.
Ivanova, O.N. - An electromechanical automatic telephone exchange. p.5.
IAnin, L.G. - PPM-AM modulation with time division of channels in a radio relay line. p.8.
Shamshin, I.A. - Some technological features of the organizations of stereophonic radio broadcasting and improvement of the quality of single-channel low-frequency broadcasting systems. p.10.
Bel'skii, V.N. - Servicing of shortwave FM stations with remote control. p.12.
Rodionov, A.K. - Mechanization of the processing and dispatching of newspapers in the post office of Leningrad. p.13.
Brodskii, I.M. - Consolidation of wire broadcasting in the Stanislav Province. p.15.
Volkov, S.G., IAkovlev, L.IA. - The present level of telecommunication enables us to serve the people efficiently. p.17.
Podol'skii, A.M. - Complaints of television owners. p.20.
TSvetkov, I.P. - Experience in laying a plastic sheathed cable p.21
Guseinov, T.K. - Regional administrations are to be provided with good means of communication with state farms and collective farms. p.22.
Simakov, N.G. - Contribution of the communications workers of Zyryanovsk to the regional administration. p.22.
Kamskii, A.A. - The work of linemen should be mechanized. p.24.
In honor of the 45th anniversary of the Great October Revolution. p.25.
Zabavnikov, N.S. - Role of the telecommunication workers in the Great October Revolution. p.26.
Rasin, B.I. - An outstanding organizer of soviet telecommunications, 75th anniversary of the birth of V.N. Podbel'skii. p.28.
Pereta, V. - The power of kindness, prosperity, and abundance. p.30.
Sinlukhin, V.E. - Decision of the higher judicial organizations in cases concerning the wrongful dismissal of employees. p.31.

Vol. 23, no. 10(283), Oct. 1963.
Table of contents translated:
Ideological education of party officials. p.1.
Pustovoitovskii, A.S. - Television transmitter with 1 kw. power rating based on the TTSA-5B transmitter. p.3.
Brusilovskii, K.A. - New electronic devices for measuring and analyzing telegraph distortions. p.6.
Gurevich, M.S. - Recommendations of the International Radio Consultative Committee on radio signal spectra. p.9.
Introduction of good work practices should improve the operation of postal service. p.12.
Gerchikov, E.IA. - Conversion of long-distance telephone communication in consolidated economic regions. p.16.
Dailidenko, K.A. - Experience in operating an automatic telegraph station with "Liman" route-circle commutation. p.17.
Spektor, M.B. - Use of "KRET" pneumatic dippers. p.19.
Ishin, D.A., Toporov, IU.A. - Permanent conference attached to the office of the regional telecommunication administration. p.20.
Disskii, B.S. - Improved illumination of the blue screens. p.22.

Andalov, G.I. - Organization of the delivery of printed matter and postal dispatches in Kuibyshev. p. 23.
Dobinskii, A.E. - The workers of a mail transportation department in Omsk are fighting for the right to be called "an enterprise of communist labor." p. 24.
Golomb, G.E. - Funds of an enterprise are the most important means in strengthening its accounting. p. 26.
Belov, Z.N., Mel'nikov, A.I., Semenkov, A.V. - Discussion of M.A. Shvechikov's article "Let us improve economic planning." p. 27.
More attention should be devoted to the plan on wider use of new equipment. p. 29.
Lesin, K.D. - Problems of wages and bonus payments of telecommunication workers. p. 30.
Leading workers of socialist competitions. p. 32.

VOPROSY PEREDACHI INFORMATSII [PROBLEMS IN THE TRANSMISSION OF INFORMATION]. Issued by Institut mashinovedeniia i avtomatiki Akademii nauk USSR [Institute of Mechanical Engineering and Automatic Control of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 2, 1963.

Table of contents translated:

Dragun, IA.P., Dubrov, IA.A., Mikhailovskii, V.N. - Some general properties of linear converters. p. 5.
Dragun, IA.P., Dubrov, IA.A., Mikhailovskii, V.N. - Analysis of linear systems and nonstationary processes. p. 29.
Dragun, IA.P. - Some properties of functions with limited Fourier spectrum. p. 44.
Svenson, A.N. - Methods for signal volume conversion. p. 55.
Smerdov, A.A. - Survey of speech bandwidth compression methods. p. 72.
Svenson, A.N., Smerdov, A.A. - Method for compressing the speech signal spectrum in multichannel communication systems. p. 92.
Svenson, A.N., Smerdov, A.A. - Statistical characteristics of a speech signal transmission process in a channel with regulated bandpass. p. 98.
Svenson, A.N., Fedorchenko-Tikhii, G.D. - Discrete converters of continuous signals. p. 113.
Mikhailovskii, V.N., Porvushin, V.N. - Photoelectric storage method for improving noise control. p. 129.
Belen'kii, IA.E. - Synchronization of multiphase multivibrators using a gate pulse voltage. p. 134.
Pushchin, G.A. - Thermal stabilization of the modulation characteristic of a pulse-width modulator. p. 142.
Bodunov, V.P. - Thermally stable electronic amplifiers. p. 146.
Pushchin, G.A. - Thermally stable pulse amplifier using silicon transistors. p. 151.
Zubov, V.G. - Stable two stage transistor amplifier with direct coupling. p. 115.
Andrievskii, E.A., Bondarek, B.I. - Ferroresonant voltage stabilizer as a reference voltage source with operating temperature from 20 to 250°C. p. 150
Bodunov, V.P. - Study of the temperature dependence of components of radio-electronic networks. p. 162.

6. INDUSTRIES & TRADES

AKADEMIIA NAUK URSR, Kiev. Instytut elektrozvariuvannia. Avtomaticheskaia svarka [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Electric Welding. Automatic Welding]. Kiev, vol. 16, no. 10(127), Oct. 1963.

Table of contents translated:

Alekin, L.E. - Inertia of the melting of an electrode wire and the depth of fusion of a metal during its automatic welding under flux. p. 1.
Serdiuk, G.B., Korniienko, A.N. - The welding arc in an alternating transverse magnetic field. p. 8.
Kakhovskii, N.I., IUshchenko, K.A. - Effect of the welding heat on the microstructure and properties of 21-3 and 21-5 type steels. p. 15.
Sukhatskii, G.P. - Investigating flash and resistance butt welding. p. 20.
Volkov, V.B., Maslitukov, O.A. - Investigating the welding under flux of OT4 titanium alloy parts. p. 33.
Gurevich, S.M., Didkovskii, V.P., Novikov, IU.K. - Making titanium alloy ingots by the electric slag method. p. 37.
Bagrinovskii, K.V., Lavrik, P.F., Kal'ianov, V.N. - Ceramic fluxes with an iron powder. p. 43.
Riabov, V.R. - Pressure welding of aluminum with steel; publications review. p. 47.
Gvozdetskii, V.S., Mechev, V.S. - Displacement of an electric arc in a magnetic field. p. 54.
Mandel'berg, S.L., Lopata, V.E., Semenov, S.E. - Welding gas and petroleum pipeline pipes having a diameter of 529-630 mm. with a bilateral spiral joint. p. 63.
Shamaev, A.N., Vel'diakov, V.P., Mitrofanov, N.A. - Mechanized build-up welding of hydraulic press plungers with austenitic steel. p. 71.
Svetlopolianskii, V.I. - Semiautomatic machine for the electric slag welding of streetcar rails on the track. p. 73
Cherednichok, V.T., Kuchuk-Iatsenko, S.I. - Flash welding of abutting Kh15N60 and Kh20N80 alloy strips. p. 76.
Kazakov, N.F., Shishkova, A.P., Charukhina, K.E. - Joints in titanium made by diffusion bonding in vacuum. p. 82
IUganson, E.IU. - Obtaining vacuum tight joints in low-carbon steel pump pipes. p. 87.
Kharchenko, G.K., IAgupol'skaia, L.N. - Corrosion resistance of joints in titanium alloys made by diffusion bonding. p. 90
Sushchuk-Shusarenko, I.L., Vasiuchkov, V.S. - International exhibition of welding equipment in London. p. 90
Scientific Council on welding problems. p. 96.

ARCHANGEL TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MEKHANICHESKOI OBRABOTKI DREVESINY. Nauchnye trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF MECHANICAL WOODWORKING. Studies]. No. 12, 1962. Voprosy khraneniia drevesiny [Problems in wood preservation].

Table of contents translated

Gorshin, S.N. - Studying the factors regulating the air drying of lumber. p. 3
Gorshin, S.N., Ugolev, B.N. - Investigating the correlation between the thickness of layers and the width of interspaces in air drying of lumber. p. 46
Gorshin, S.N., Chernitsov, I.A. - Comparative investigation of the effectiveness of preserving birch wood by the sprinkling method. p. 62
Gorshin, S.N., Klykov, A.A. - Adjustment of agricultural sprinkling equipment for spraying log piles and checking the effectiveness of sprinkling saw logs. p. 80.
Gorshin, S.N., Krapivina, I.G. - Effect of various sources of moistening on lumber infected by fungi causing the bluing of wood. p. 92.
Gorshin, S.N., Krapivina, I.G. - Studying the resistance of lumber infected by fungi causing the bluing of wood to the complex of wood-decaying agents inhabiting soil. p. 111
Gorshin, S.N., Krapivina, I.G. - Identification of fungi causing the bluing of wood based on the macroscopic signs of lumber infection. p. 119.
Gorshin, S.N., Mikhailichenko, A.L., Nechaeva, N.P. - Investigating the technical properties of darkened lumber. p. 131.

BUMAZHNAIA PROMYSHLENNOST' [PAPER INDUSTRY]. Organ of Gosudarstvennyi komitet po lesnoi, tsellulozno-bumazhnoi, derevoobrabatyvaiushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and TSentral'noe pravlenie NTO bumazhnoi i derevoobrabatyvaiushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry]. Moscow, vol. 38, no. 11, Nov. 1963.

Table of contents translated

Editorial. The purity of water reservoirs depends on us. p. 1.
Solomko, V.S. - Ways of increasing labor productivity in newly built enterprises. p. 3.
Kosaia, G.S. - Basic problems of the production of sulfate p
Afonchikov, N.A., Terent'ev, I. - sodium of carboxymethylcell of the pulp and paper proper
Sumrikov, A.B. - Stock tanks systems. p. 11.
Niklin, V.M., and others. - S with carbon dioxide under pr
Lopatin, B.V. - Improve the qu ceramics. p. 16.
Matarnev, K.V. - Method for i mation. p. 18.
Strzhizhovskii, A.F. - Graphi ing the power indices of dri current. p. 19.
Zil'berfarb, V.I. - Design and ition of electric driving mc cardboard-making machines
Platonov, IU.Z. - Our contrib of the technical progress.
Avdeev, A.L. - Thickening of trieval of fibers on inclined
Podkopaev, V.A. - Groove-gr racers of single-ball thrust
Kelbitskii, N.V. - Six-cylinde thin sheet cardboard. p. 26
Motylev, Kh.Sh. - Need for ar sign of adjustable pulleys.
Vasil'ev, D.N. - New design of heat recheating systems. p. 28
Gulkin, B.M. - Machine for the production of sanitary tissues. p. 29
Gulkin, B.M. - Roller felt dryers instead of drying cylinders. p. 29
Zhurro, S. - Book on papermaking and finishing machinery. p. 30.
Dobrotol'skii, D.S., Kuznetskin, I.M. - Textbook on the accounting for paper stock resources and their utilization. p. 30
From foreign journals. p. 31
Main sources for an improvement of the quality of production. Insert p. 2

MESTNAIA PROMYSHLENNOST' I KHUDOZHESTVENNYE PROMYSLY [LOCAL INDUSTRY AND ART TRADES]. Issued by Gosudarstvennyi komitet Soveta Ministrov RSFSR po delam mestnoi promyshlennosti i khudozhestvennykh promyslov and TsK Profsoiuza rabochikh mestnoi promyshlennosti i kommunal'nogo khoziaistva [State Committee of the Council of Ministers of the R.S.F.S.R. for Local Industry and Art Trades and the Central Committee of the Trade Union of Workers of Local Industries and Communal Economy]. Moscow, vol. 3, no. 9, Sep. 1962

Table of contents translated

Man and his way of life. p. 1
Assignments of the yearly plan will be completed ahead of time. p. 3.
Egorov, IU. - Cost of a minute. p. 4
Filenko, F. - Second birth. p. 6.
Tret'iakov, E. - Behind the rows of average figures. p. 8.
Davydov, L. - Steep steps. p. 14
Temnov, A. - What use do you make of your rights? p. 17
Moiseev, S. - Parade of hairdos. p. 19.
Podlesov, A. - Shoe repairing on a conveyor. p. 22
Ter-Ovakimian, I. - Design and construction of clothing. p. 25.
Service industries in Czechoslovakia. p. 28
Letters to the editor. p. 31
Miasnikov, M. - Casting of paraffin rings with an automatic machine. p. 32
IUt, N., Laskavaia, S. - Successful substitute. p. 32
Dilaev, N. - "Stavrit." p. 33
Artemov, V. - Bring beauty into the home. p. 34
Kasimova, S. - Lace maker from Yelets. p. 36
Kiianov, IU. - Whether painted or not . . . p. 37.
Poliakova, V. - Toys of the German Democratic Republic. p. 38.

OBSHCHESTVENNOE PITANIE [PUBLIC FOOD SERVICE]. Issued by Ministerstvo torgovli RSFSR [Ministry of Commerce of the R.S.F.S.R.]. Moscow, no. 12, Dec. 1961.

Table of contents translated

A great goal. p. 1
IUdaeva, V. - Public food service should be placed on an industrial basis. p. 3
Bogdanova, K. - "We have different professions, but a common cause." p. 5.
Il'iashev, R. - We shall work with perseverance and inspiration. p. 6.
Arkad'ev, D. - Friends and rivals. p. 9.
Timofeeva, A. - Public Food Service Combine in the taiga. p. 11.
Glukhov, N. - To get a "thank you" from the people of the Virgin Territory. p. 13
Davlianidze, V., and others. - Advice to the cook.

No. 6, June 1963.
Table of contents translated
The chief cook is the organizer and commander of production. p.1.
Belokhvostal ov, M. - One day of theory, five days of practice. p. 1.
Il'in, E. - Industrial practice. Is this the correct way to conduct it? p.5.
Viganova, N. - The technician of the class is Vera Matveevna Golubchikova. p.12.
Magidov, IA. - Decoration of salads. p. 16.
Aleshin, N. - Supply the restaurants with semiprocessed first course dishes. p.19.
Luchkina, N. - Is it necessary to use such an amount of butter-cream decoration on cakes? p.19.
Protopopova, S. - Cookery of early vegetables. p.21.
Adrianova, S. - From the cook's notebook. p.23.
Sergeev, V., Smirnova, K., Molodtsova, A. - Fluorescence method for determining meat freshness. p.24.
IAstrebov, T. - Thirty-four groups for inspection assistance with one thousand stations. p.26.
Belyaev, M. - Operative and efficient. p.28.
Konovalov, K. - All schoolchildren get breakfast and lunch in the school dining room. p.31.
Gorbach, P. - Improved cafeteria food counter. p.34.
Kovalev, I. - Device for pirozhki frying. p.35.
Centralized delivery service, pluses and minuses
Sokolov, I. - Time has come to make changes. p.38.
Lipkin, S. - Thousands of rubles are wasted.... p.41.
Feizulaev, I. - There are 27 workers in the supply base to serve 22 enterprises. p.43.
Polosh'ian, A. - Causes of dissatisfaction with the centralized delivery system. p.43.
Privezentsev, V. - Enterprises producing semiprocessed food need a unified accounting system. p.45.
Editor's mail. p.18.
Zysser, E. - In the bureau of the chief designer. p.50.
IAmenel'd, G. - Accounting for the total time of work in seasonal enterprises. p.55.
Home cookery. p.62.

No. 8, Aug. 1963.
Table of contents translated:
Through joint and individual labor! p.3.
Lednev, N. - Our needs. p.16.
Milekhin, I. - Culinary councils of Bashkiria. p.17.
Kolkov, E. - With a smile and attentiveness. p.20.
Rogankov, N. - Courses for headwaiters, achievements and difficulties. p.21.
Magidov, IA. - Collection of recipes and their practical application. What kind of new collection of recipes do we need? p.23.
Stankovich, G. - Particular features of cookery for foreign tourists. p.28.
Andrianova, S. - From the cook's notebook. p.30.
Sergeev, V. - Determining protein content. p.32
Paramonova, V., Romenskii, V., Zan'ko, F. - Meat grinder. p.34.
Orestov, G. - Device for knife sharpening. p.35.
Gal'kevich, T. - Mobile café. p.37.
Martyshchuk, V. - Café "Volna." p.38.
Eremolenko, M. - Using discarded motorbuses as diners. p.39.
From the editor's mail. p.42.
Bikke, R. - Specialist in oriental cookery. p.44.
Bedenko, V., Oganezov, M., Votosh, V. - For the students of cooperative technicums. p.46.
Abdukarimova, K. - First experience in the mechanization of accounting. p.48.
Zalesskaia, G. - Thirteen letters, story. p.58.

No. 9, Sep. 1963.
Table of contents translated:
Decade of great achievements. p.3.
Romanov, A. - Noticeable changes. p.6.
Burlakov, V., Kocherga, A. - Plans, practice, problems. p.10.
Gridasov, D. - Figures of our growth. p.14.
Makhniuk, V. - Servicing the rural workers, experience and tasks. p.17.
Semiprocessed products, mechanization and labor productivity. p.20.
Zadorozhnyi, V. - Alliance of science and practice p.21.
Liashko, A. - Specialized enterprises' faster service, lower costs of production. p.26.
Sukhitskii, A. - In the interest of consumers, in the interest of the economy. p.27.
Vorontsova, L. - Our goal: hot lunch for every schoolchild. p.32.
Ryvkina, M. - Big delicatessen stores make more profit. p.34.
Grigorash, M., Gusina, G. - New type of semiprocessed products: powdered vegetables. p.36.
Voitenko, N. - Aromatic extract. p.38.
Ukrainian cookery. p.39.
IUlin, M. - Payment after food consumption is a tested method of self-service. p.42.
Nedoluzhko, V., Deineko, P. - Cooked-food factory makes discounts. p.44.
Sokolovskii, P. - Evident advantages. p.46.
Elkin, L., Mal'ottin, IU. - Continuous line for potato peeling. p.48.
Nitko, B. - Proposals of efficiency promoters. p.53.
Shalimov, S. - The "Metro" restaurant. p.55.
Arashkevich, N. - Resort enterprises' solved and unsolved problems. p.61.
From our mail. p.64.

RELEFERATIVNYI ZHURNAL LEGKAIA PROMYSHLENNOST' [JOURNAL OF ABSTRACTS LIGHT INDUSTRY] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no 12, Dec 1963. [This journal is also issued in parts.]

RUSSIA (1923- U S S R) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii tekhnologiia legkoi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Technology of Light Industry] Moscow, no 5(35), 1963.
Table of contents translated
Pavlenko, IU S - Method for an optimum cutting of fabrics into layers p 3
Ispiran, G P , Chmelev V S , Grubyi, N A - Mathematical method for establishing work norms in the cutting of soft leather p 10
Skvira, A A - Forms of the organization of continuous production lines in the cutting shops of clothing factories p 18
Polinskii, S L , Plotnikov, I V , Pavlov, S A - Synthesis and investigation of hydrophilic polyester urethanes for the manufacture of artificial leather with high hygiene properties p 31
Otopkov, G M , Pavlov, S A - Use of hydrophilic polymers for the production of the grain layer of artificial leather with a protein fibrous base. p 37
Mikhanosha, E S., IUdin, A.V , Barbot, V M - Investigating the sorption of chromium (III) by KB-4 cation exchanger under dynamic conditions p 44
Mikhlin, I A , Pakshver, A.B - Continuous denaturation of viscous solutions p 51.
Tolkunova, Z A - Methods for determining the wear resistance of hosiery p 56
Golovteeva, A A , Shestakova, I S , Chernov, N V - Problem of dissolving and reconstituting collagen p 62.
Nesterov, V.P - Qualitative analysis of correlation bonds in the testing of shoe materials p 68
Butormina, R V - Piercing of fabrics by the needle of the sewing machine. p 77
Vashchinskii, L K - Widening process in the manufacture of knitted fabrics on the new Cotton knitting machine p 84
Klemenshteln, L I. - Two theorems for the plotting of jerk acceleration plans p.91.
Kvitkevich, I K - Semiautomatic production line for the manufacture of leather from pigskins and potentials for increasing capacity and labor productivity p 98
Borovskii, B N , Serdiuk, V P - Theory of the losses in a chain speed variator. p 106
Peisakh, E E - Synthesis of the laws of motion of the follower taking its elasticity into account p 116
Piskorskii, G A , Cherednichenko, IA F - Hydraulic differential strainmeter p 123
Pishchikov, V A - Effect of the parameters of some elements of the shuttle on the formation of the zigzag stitch p 132.
Il'inskii, D.IA., Kapustin, I.I. - Design of an automatic vibrating feed bin for the transfer of individual parts p.147
Isakov, N P - Tension of the thread in a contour motion p 163
IAkubovskii, IU V - Answer to N.P Isakov's article "Tension of the thread in a contour motion." p.170

SHVEINAIA PROMYSHLENNOST' [CLOTHING INDUSTRY]. Organ of Gosudarstvennyi komitet po legkoi promyshlennosti pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva legkoi promyshlennosti [State Committee for Light Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Light Industry]. Moscow, no. 5, Sep.-Oct. 1963.
Table of contents translated:
Sotnikov, N.L. - New forms for the processing costs of mass-produced clothing. p.1.
Dzhurinskii, N.I. - Make better use of capital assets. p.5.
Kamenetskii, V.IA. - "Maiak" Firm is a Lvov industrial combine. p.7.
Movshovich, IA.M. - Improving the organization of garment cutting. p.14.
Savel'ev, I.T. - Training, selection and distribution of specialists in the clothing industry of White Russia, p.16.
Kapustin, I.I., Dolin, E.A. - Studying the compression of fabrics. p.18.
Plotnikov, A.E. - Use of plastics in the manufacture of sewing machine parts. p.24.
Nikiforova, L.P., Fomichev, N.N. - Manufacture of men's shirts from lavsan blend fabrics. p.26.
Reznik, S.N. - Redesigning of the Class 2 PMZ machine. p.28.
Barenbaum, S. - Indicator for the Class 85 machine. p.29.
Kovalev, V.I. - Portable punching machine. p.30.
Kostrov, L.A. - Improve the workmanship in the manufacture of custom clothes. p.31.
Kloizner, Kh.M. - Adopting the methodology for the analysis of fabric utilization in the clothing industry. p.32.
Questions and answers. p.34.
Information. p.39.

SLUZHBA BYTA [SERVICE INDUSTRIES] Issued by Glavnoe upravlenie bytovogo obsluzhivaniia naseleniia pri Sovete Ministrov RSFSR and TsK Profsoiuza rabochikh mestnoi promyshlennosti i kommunal'nogo khozaistva [Main Administration of Service Industries, Attached to the Council of Ministers of the R S F S R., and the Central Committee of the Trade Union of Workers of Local Industries and Communal Economy]. Moscow, vol. 1, no. 7, Dec. 1963.

*SVAROCHNOE PROIZVODSTVO [WELDING PRACTICE] Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for the Coordination of Research in the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, no. 6(318), June 1963
Table of contents translated.
From the editors. p.1.
Ivanov, B.G. - Reconditioning by build-up welding of cast iron metal-cutting machine parts. p.7.
Steinbogen, IU.A., and others. - Mechanized machine of welding cast iron with the use of powder wire. p.7.
Rogatkin, I.I. - Welding-up of iron castings for the removal of founding defects. p.9.
Gaft, L.I. - Repairing defects in cast iron by ANO-4 electrodes. p.11.
Zhuravitskii, IU.I. - Hot arc welding-up of cast iron. p.13.
Obolentsev, B.I. - Cast iron welding in carbon dioxide. p.15.
Tsvepol'skii, V.N., Glukharev, A.A. - Welding cast iron in an atmosphere of water vapor. p.16.
Ivanov, B.G., Zhuravitskii, IU.I. - Electrode and filler materials for the welding of cast iron. p.17.
Boiko, M.I. - Soldering cast iron at temperatures of 300-350°C. p.19.
Zabelovskii, M.P., Zaushnikov, N.V., Kovalev, V.S. - Airtightening welded joints in thin-walled cast iron parts by metal spraying. p.20.
Abramov, A.T. - Using TSCh-4 electrodes in ship repairs. p.21.
Voshchanov, K.P. - Exchange of experience at plant in the welding of cast iron. p.21.
Pokitaev, S.V., Novitskii, V.K., Krianin, I.R. - Effect of steelmaking conditions on the impact toughness parameters of electric slag welded joints. p.22.
Zaitsev, G.Z., Naumchenkov, N.I., Minkov, IA.E. - Fatigue strength of unilaterally welded joints. p.24.
Suvorovskii, E.A., Vladimirov, V.B., Alapin, G.I. - Effect of displacement in bilateral, one-pass joints in IKh18N9T steel on the appearance of knife-line corrosion. p.29.
Nechaev, V.D. - Methods of calculating equal-pressure type torches. p.31.
L'vov, N.S., Igoshin, A.P. - ASID-3m servomechanism for the welding of thin nonmagnetic materials. p.34.
Neishtadt, D.M. - GS-3 self-propelled hydraulic device. p.36.
Kurkov, IU.V. - Modernizing the electric diagram for the A-547r semiautomatic welder. p.38.
Nikhinson, IU.I., Teslenko, L.F. - Preparing the welding wire for welding in carbon dioxide. p.40.
Kreel'man, I.A. - Repair by welding of cavitation damage on hydraulic turbine rotors. p.39.
Shchobrov, S.F., Krylovotskii, A.S. - Welded cylinder for a 250-ton hydraulic press. p.41.
Smirnov, B.A. - Comparative evaluation of devices for the reduction of the idling voltage. p.41.
Boeva, K.I. - Welding equipment at the Exhibition of the Achievements of the National Economy of the U.S.S.R. in 1962. p.43.
Kozlov, N.A., Stepanov, V.V. - Regional scientific technological seminar of Ural Mountain region welders. p.47.
In memory of IAkov Moiseevich Glukhov; an obituary. p.48.

ZHURNAL MOD [FASHION MAGAZINE]. Issued by Vsesoiuznyi institut assortimenta izdelii legkoi promyshlennosti i kul'tury odezhdy [All-Union Institute of Manufactures and Fashions]. Moscow, vol. 19, no. 3(73), Winter 1963-1964.

g. MECHANICAL ENGINEERING

AKADEMIIA NAUK SSSR. *Izvestiia. Mekhanika i mashinostroenie* [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Mechanics and Machine Building], Moscow, no. 5, Sep.-Oct. 1963.

Table of contents translated

Nikolai Ul'yanovich Lebedinskii, on the occasion of his 50th birthday. p. 3

Klimov, D. M. - Investigating the drifts of an astatic gyroscope in gimbels on a swinging base. p. 11.

Kovalkov, L. Z. - Statics of a radial thrust ball bearing. p. 14.

Sergeichikova, N. N. - Qualitative investigation of a system of differential equations in the automatic control theory. p. 20.

Gutsell, Z. - Natural vibrations of a system with one degree of freedom in the presence of structural damping. p. 42.

Kornev, R. P. - Dynamics of a vibratory percussion crusher with a pair of self-synchronizing vibrators. p. 46

Khodanovskii, M. M. - Minor reciprocal shifts of contiguous bodies. p. 54.

Pal'mov, V. A. - Relationship between stress concentration and the quality of the machining of surfaces of parts. p. 60

Akselrad, E. L. - Calculation of a corrugated diaphragm as a nonshallow shell. p. 67.

Lapkin, A. M. - Vortex theory of the rotor and mutual interference of propellers. p. 77.

Kolesnikov, K. S. - Forced fluctuations of the injection of an ideal compressible fluid into the chamber. p. 106.

Anfimov, N. A. - Some effects related to the multicomponent character of gas mixtures. p. 117.

Grumod, V. G. - Using three-layer differential chart in solving the equations of a boundary layer. p. 124.

Girevskii, A. S. - Approximate motion equations in problems of the theory of turbulent jets. p. 134.

Futov, V. M. - A problem of the nonlinear unsteady flow. p. 141.

Valmer, M. I. - Statistical similitude criteria for fluid flow in a homogeneous porous medium. p. 144.

Mandel'son, M. M., Shvidler, M. I. - Accuracy of the prediction of the yield of a well. p. 148.

Il'inskii, N. B. - Plotting the contour of a hydraulic structure foundation by the distribution of filtration rate. p. 151.

Avtonomov, G. E., Kartvelishvili, N. A., Chernatin, I. A. - Results of the calculations of a water hammer by the effective curves of the shutting-off of turbine deflectors. p. 156.

Mukhamed, V. G. - Calculation of the yield of a well in case of a pressureless flow and a slightly permeable foundation. p. 160.

Repin, V. M. - Motion of two localized vortexes with an equal circulation in the vicinity of a flat wall. p. 162.

Abramovich, G. N., Abramzon, L. S. - Development of a flight fluid jet in a medium with a higher density. p. 165.

Bondarev, E. N. - Time for the establishment of a steady flow in the bottom area. p. 167.

Uzdalev, A. I. - Concentration of thermal stresses in the vicinity of an elliptic hole in an orthotropic plate under the influence of a thermal flow. p. 169.

Bulakhenko, V. V., Ivlev, D. D. - Torsion of anisotropically hardening prismatic rods under the linearized law of plastic flow. p. 173.

Mushtari, Kh. M. - Area of the application of approximate theories of sandwich plates with nonsymmetric structure and a filler. p. 176.

Amenzade, Iu. A. - Problem of elastic equilibrium of fitted fragmentary homogeneous plane media. p. 179.

Egorov, K. E. - Pressing a punch with a flat annular bottom into a semispace. p. 187.

Kragel'skii, I. V., Nepomniashchii, E. F. - Fatigue mechanism of the wear in case of an elastic contact. p. 190.

Tartakovskii, I. I. - Optimum approximation by means of piecewise continuous functions and some problems of the approximate synthesis of mechanisms. p. 196.

Iakovlev, V. F. - Motion of some mechanical systems with variable masses. p. 198.

Valeev, K. G. - System of linear differential equations with simple harmonic coefficients. p. 203.

Bautin, N. N., Bolliustina, L. N. - Fallibility of N. F. Strokov's article "Existence of saddle-to-saddle separatrices." p. 206.

Domogatskaia, E. A., Aslanova, E. S. - "Measurement units and designations of physical and technical quantities." Handbook for workers of publishing houses and authors. p. 208.

AVTOMOBIL'NAIA PROMYSHLENNOST' [AUTOMOBILE INDUSTRY]. Organ of Gosudarstvennyi komitet avtotraktornogo i sel'skokhoziaistvennogo mashinostroeniia pri Gosplane SSSR [State Committee for the Tractor and Agricultural Machinery Industry, Attached to the State Planning Committee of the U.S.S.R.] Moscow, vol. 29, no. 11, Nov. 1963

Table of contents translated.

Degrachev, A. F. - Stimulate the increase in reliability and durability of motor vehicles. p. 1.

Rovinskii, G. N. - Elements of the standard planning of cold-forging shops. p. 4.

Lakin, V. K. - Theoretical principles for the selection of optimum conditions for the running-in of internal combustion engines. p. 8.

Muravlev, V. D. - Using the run-out method in determining internal losses of internal combustion engines. p. 10.

Levin, I. A. - Using hydraulic torque converters in braking motor vehicles. p. 12.

Raskin, V. I., Semenov, G. I. - Determining causes for the breaking of counterbalance bolts of IAMZ engine crankshafts. p. 14

Alsenov, P. V., Shitiaev, P. P. - Controllability of independent semitrailers. p. 16.

Khorol', V. I., Reznikov, A. S., Gubarev, G. V. - Selecting tires for motor buses. p. 19

Kogan-Vol'man, G. I., Kantor, F. M. - Experimental determination of bending rigidity of a flexible wire shaft. p. 23.

Mechev, A. S. - The KOM-68 power take-off box. p. 25

Kupaev, Iu. A. - Criteria for the evaluation of automobile generators. p. 27.

Orlov, V. A. - Investigating the performance of an automobile carbureter under variable temperature conditions. p. 29.

Panov, V. I. - Effect of snow dampness on its properties and on the adhesion of tractors with snowy surfaces. p. 32.

Koblin, M. M., Lel'chuk, L. M. - Fatigue strength of low-alloyed steels in specimens and frame structures made of bent sections. p. 34.

Karpilos, I. I. - Cold extrusion of electrodes. p. 37.

Berman, Iu. L. - Multipurpose attachments with interchangeable parts. p. 38.

Ulisov, L. A. - Unit for displacing, lifting and turning motor-vehicle frames. p. 40.

Novikov, A. B. - Extrusion instead of machining. p. 41.

Romanovskii, V. I., Sidorov, I. S., Tupikin, A. I. - Device for rapid take-off of cutting tools. p. 42.

Smurov, A. M. - Technological processes for the manufacture of toothed bushing. p. 43.

Shteinberg, A. S. - Airatomization of fuel in the Rover gas-turbine engine. p. 45.

Naumov, Iu. V. - British motortruck at the London exhibition. p. 48.

AVTOMOBIL'NYI TRANSPORT [AUTOMOTIVE TRANSPORTATION] Organ of Ministerstvo avtomobil'nogo transporta i shosseinykh dorog RSFSR and TSentral'nyi komitet Profsoiuza rabotnikov sviazi, rabochikh avtomobil'nogo transporta i shosseinykh dorog [Ministry of Automotive Transport and Highways of the R.S.F.S.R. and the Central Committee of the Trade Union of Communication, Automotive Transport, and Highway Workers] Moscow, vol. 41, no. 11, Nov. 1963.

Table of contents translated

Increase the activity and develop the initiative of workin people. p. 1.

Zav'ialov, S. - Constant attention to inventors and innovators. p. 4.

Vavilov, S., Ludchenko, A. - Potentialities for increasing the durability of tires. p. 6.

Dolzhikov, M. - Attention to the needs of passengers is the most important objective. p. 7.

Podskrebova, A. - Beacon of Sochi highway transport workers. p. 8.

Kuzemianskis, G. - All transportations for construction should be made only by common transportation units. p. 10.

Chugunov, N. - Why do construction industry units need motor vehicles? p. 12.

Shustov, A. - Improve transportation of perishable products. p. 13.

Operation of the ZIL-130IA engine. p. 17.

Vel'mozhin, A. - Maintenance and permanent repair of motor vehicles in automotive transportation units of the Volgograd Hydroelectric Development. p. 19.

Losavio, G. - Starting characteristics of engines and methods for their evaluation. p. 21.

Krasheninnikov, E., Freindling, A. - Use of the O-30 heating units. p. 22.

Seleznev, V., Gol'gai, O. - Equipment for a wheel-changing unit. p. 23.

Koshkin, K., and others - Assembly of the reductor and front axle by the selective trial-and-error method. p. 26.

Belov, B. - Using elastic sonic and ultrasonic vibrations in washing parts. p. 30.

Isaev, V., Podshchekoldin, M. - Characteristics of the overhaul of motorbuses. p. 34.

Rumiantsev, Iu., Mathukhina, L. - Improvement in management is an important potentiality for increasing the efficiency of automobile transportation. p. 38.

Wages for drivers and repair workers. p. 39.

Dolmatovskii, Iu. - Outlook for the development of taviebs. p. 42.

Sarovskii, Iu., Onufriev, A. - Spare-wheel holder for semitrailers and trailers. p. 46.

Traffic organization and safety. p. 47.

Readers' letters. p. 50.

Training specialists. p. 52.

Information. p. 54.

Abroad. p. 59.

*INZHENERNYI ZHURNAL [ENGINEERING JOURNAL] Organ of Otdelenie tekhnicheskikh nauk and Institut mekhaniki Akademii nauk SSSR [Department of Technological Sciences and the Institute of Mechanics of the Academy of Sciences of the U.S.S.R.] Moscow, vol. 3, no. 4, 1963

Table of contents translated

Gurin, A. I. - Stability of the motion of a gyroscope in gimbels with spring limiters and a damper. p. 619.

Zhilin, Iu. L. - Similitude laws for gas outflow into a thin hypersonic nozzle. p. 628.

Rykov, V. A. - Conducting-gas flow about a slightly corrugated wall in a longitudinal magnetic field. p. 632.

Afanas'ev, E. F. - Unsteady wave diffraction about a slot. p. 638.

Zhurin, V. V., Suhaev, V. A. - Investigating the structure of strong shock waves in hydrogen and helium. p. 645.

Darevskii, V. M. - Stability equations for cylindrical shells. p. 658.

Gusein-Zade, M. I. - Elastic equilibrium of thick ribbed plates. p. 665.

Ljubimov, V. M. - Natural vibrations of a contilever beam in case of noncoinciding rigidity axes and mass centers. p. 675.

Abel', V. V. - Torsion of a prismatic bar with an arbitrary trapezoidal cross section. p. 682.

Krementulo, V. V. - Stability of unsteady motions of gyroscopes during a finite time interval. p. 690.

Seleznev, S. R. - Precision gyrocompass on a fixed foundation. p. 694.

Smirnov, V. A. - Isentropic expansion of a flat gas layer into vacuum under variable initial conditions. p. 700.

Andreev, V. A., Lashkov, A. I. - Interaction of a reflected shock wave with a boundary layer. p. 706.

Pokrovskii, V. N. - Hydrodynamics of a viscous free jet taking surface tension into consideration. p. 710.

Leflev, M. - A problem on soil mechanics. p. 714.

Kornishin, M. S., Isanbaeva, F. S. - Some problems in the bending of flexible plates. p. 721.

Khvingia, M. V. - Effect of shears and rotation inertia on the frequency of bending vibrations of elastic rods. p. 727.

Dobrovol'skii, V. L. - Solution of certain problems on stress concentration in the theory of elasticity. p. 732.

Borodachev, N. M. - Plane problem in thermoelasticity on the pressing-in of a die. p. 736.

Shishmarev, O. A. - Investigating the yield point for plastically deformed nickel specimens. p. 740.

Grodzovskii, G. L., Ivanov, Iu. N., Tokarev, V. V. - Mechanics of space flight with low thrust. Part 2. p. 746.

KHARKOV. INSTYTUT INZHENERIV ZALIZNYCHNOHO TRANSPORTU. Naukhnye trudy [INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION. Studies]. No. 58, 1962 Metodika rascheta i proektirovaniia sooruzhenii naimen'shego vesa i voprosy primeneniia plastmass na zheleznodorozhnom transporte [Methods for the design and planning of minimum weight structures and problems of the use of plastics in railroad transportation].

Table of contents translated:

Iudin, G. I. - Foreword. p. 3.

Rakivnenko, N. S. - "Impact on a thin-walled rod." p. 5.

Fesik, S. P. - "Reverse problem of the theory of structures." p. 22.

Fesik, S. P. - "Minimum-weight design of frames for temporary loads." p. 33.

Kitov, Iu. P. - "Minimum weight of composite frames." p. 47.

Butenko, Iu. I. - "Envelope of the moments of a two-hinge arch." p. 65.

Butenko, Iu. I. - "Methods for evening the envelope in designing two-hinge steel arches according to the conditions of the equilibrium limit." p. 77.

Bradul'Kirillov, B. G. - "Design of an infinite composite beam on an elastic foundation." p. 97.

Vinogradov, A. I., Andrievskii, V. G. - "Energy theory of the strength of visco-elastic materials." p. 109.

KRASNOYARSK SIBIRSKII TEKHNOLOGICHESKII INSTITUT. Trudy [SIBERIAN TECHNOLOGICAL INSTITUTE Transactions] Vol 32, 1962 Mekhanizatsiia i avtomatizatsiia lesozagotovitel'nykh rabot [Mechanization and automation of lumbering operations].

Table of contents translated

Kuritsyn, V N - Experimental unit for studying elementary lumber sawing at temperatures below freezing p 3
Bel'mich, M I - Reducing the pushing strength in chain saws p 12
Larionov, V I, and others - Automated line of the Siberian Technological Institute for primary processing of untopped trunks at the landings of lumbering enterprises p 27
Pustovalov, N I - Work of the grabbing parts of mechanical slash pickers operating on the principle of hay rakes p 34
Pustovalov, N I - Form of the curve of the tooth of mechanical slash pickers operating on the principle of hay rakes p 40
Petrushin, G N - Expenditure of time in forming bundles of timber in a forest p 50
Petrovskii, V S - Studying the efficient and "blind" sawing of full-length conifer logs p 59
Petrovskii, V S - Some problems in the bundling and tying up of lumber p 81
Gaidachi, P B - Studying the equations for calculating the traction force in a flexible working part p 87
Gaidachi, P B - Methods for organizing experimental observations and the results achieved at the experimental unit of the Siberian Technological Institute p 93
Kopelevich, L M - Some methodological problems in the study of lumbering machines p 105
Kuritsyn, V N - Elementary sawing of pine wood in transverse direction at temperatures below freezing. p 120
Degermendzhi, G A, Dzinters, N - Studying the process of forming the bundles of full-length logs with controlled grabbing p 128

MASHINOSTROENIE [MACHINERY MANUFACTURE]
Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov USSR po koordinatsii nauchno-issledovatel'skikh rabot [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S S R, on the Coordination of Research] Kiev, no 5(23), Sep -Oct, 1963

Table of contents translated:

Riabinin, D D, Andreichuk, V D - High-pressure rubber mixers p 3
Rabinovich, A N, Shereshevskii, N I, Vasilenko, I N - Transfer machines and lines p 8
Edigarian, F S - Overall testing of bearing materials in case of rolling friction p 12
Dryga, A I, Babash, V G - Lateral rigidity of reinforced-concrete beds for heavy machine tools p 15
Bol'shakov, M M - Reinforced concrete beds of machine tools. p 18
Danilenko, S P, Uzungikolan, M D - Lapping metal-cutting tools equipped with TSM-332 bits with a diamond wheel for turning 60Kh3G8N8B nonmagnetic steel. p 20
Zharlikov, N V - Inside system connections of the machine tool-attachment-cutting tool-part system p 22
Ishutkin, V I - Using a cam set for multiple machining of fastenings on automatic lathes p 24
Nikitin, I P - Automatic machines for simultaneous machining of the two sides of parts p 27
Severtlov, V S - Modernization of gear-milling machines for cutting gear wheels with elliptoid teeth p 29
Sokolov, G M - Vertical milling head for horizontal milling machines p 30
Boechko, B IU - Automatic machine for marking disk-type parts p 31
Ovsianko, L G, Petrovskii, P A - New techniques for boring hammer rams. p 32
Varman, T V, Gulida, E N - Tangential cutting tools for cutting large shavings p 33
Zhitenko, V E - Attachment for trimming technological risers on billets and screws p 34
Medvedkin, IU I, IAblonovskii, L S - Device for precise adjustment of broaches in grinding. p 35
Kozlov, M P - Safety chuck for cutting 6 to 18 mm screw thread. p 36
Kovalenko, V S - Heat treatment of low carbon steel with zirconium additives. p 36
Gorobets, G K, Mel'nichenko, V M - Using the 334M unit for surface hardening of parts p 39
Kvasov, N F - Reinforced-concrete stands for press pedestals. p 39
Shturman, A A, Aronov, E G - Hydraulic press units for plastics operating at a low pressure p 41
Samon'kin, M A, Ivashkevich, V P - Automatic turret die. p 43
Draigor, D A, and others - Strength of ball-burnished circular blades p 45
Ryzhov, I V, Sychev, I S - Improving the shakeout of water glass mixtures p 47
Velikii, A I - Innovations in chill casting p 51
Bobro, IU G - Effect of aluminum on engineering properties of structural and special-purpose cast irons p 56
Konashko, N P - Properties of oxygen blown modified cast iron in parts under continuous operating conditions p 59
Nazarenko, V V, TSibrik, A N - Surface alloying of castings p 62
Khakhalin, B D, and others - Improving the process of centrifugal casting of cast-iron pipes p 64
Grinberg, I D, Dul'fan, B E - Mechanized assembly of shell molds p 68
Kozarovitskii, L IA, Lerner, A S - Mechanization and automation of the shakeout of large and medium molds p 70
Elistratov, P S - Accounting for waste in iron casting p 75
Demchenko, G I - Improving the assembly of molds p 77
Medovar, B I - Use of electric slag welding in the machinery industry p 78
Zholobov, B Kh, Tarnarutskii, M A, Brovtsev, V A - Mechanized cutting and welding p 82
Chernysh, V P, Pavliuk, S K - Using a magnetic field for the control of the building-up process p 85
Grilikhes, S IA, Zil'berman, B IA - Thermal processes in deep anodizing of aluminium p 88
Katsnel'son, L S, Gladshtein, M S, IAnkina, N I - Chemical milling of aluminum alloys. p 90
Galushko, A D. - Investigating the microstructure of zinc platings obtained from various electrolytes p 93
Garbuzov, V F - High-quality equipment for agriculture p 95
Kulakovskii, I V, Panchenko, A N. - Feed preparatory shop at the "Maiak-6" pig-rearing farm for 6,000 heads. p 99
Antonenko, I IA - The RU-4-10 spreader of mineral fertilizers, lime, and green manure crop seeds p 104
Koliada, G I - The ATT-2 fertilizer-distributing device p 105.
Panchenko, A N - Machines for mechanized water supply and cattle watering p 107.
Khazanet, L L - The RS-200 silage knife. p 111
Chepigin, G V, Gul', N S., Chizhov, A P. - Use of cast-iron crankshafts in motor-vehicle and tractor engines p 112.
Kuznetsov, IU I - Pneumatic and hydraulic drives for machine-tool attachments. p 114
Machines for electron-beam welding p. 117
Bychkov, O D - Use of television in the machinery industry p. 119
Apatova, L. D. - Vibration cleaning of part surfaces. p 122
Automatic control of paint application in Czechoslovakia. p. 123
Vacuum hoisting unit for conveying goods p. 125.

No. 6(24), Nov.-Dec. 1963.

Table of contents translated:

Pogodin, B. A. - Classification of parts is a basis for the organization of industrial production, p. 3.
Nikitin, I. P. - Automatic line for chamfering and groove milling. p. 11.
Frolikova, I. N., Linnikov, I. K. - Pneumatic device for turning fittings during machining. p. 12.
Samokhleb, IA. P. - Universal hardening machine. p. 13.
Svet, I. Sh. - Heat treatment of parts of the fuel system. p. 16.
Dushevskii, P. L., Ivashkevich, V. P., Shcherbinin, K. P. - Using hard alloys in drop forging. p. 18.
Shulimovich, G. V. - Universal multiple bending die, p. 19.
Nikitin, I. P. - Automatic machine for manufacturing stamped parts. p. 20.
Semernin, A. M., Erinov, A. E. - Using radiant heating pipes for heating metals without oxidation, p. 22.
Mylko, S. N., Konashko, N. P. - New principles for designing centralized founding shops. p. 23.
Zharov, N. T., and others. - Automation of the preparation of molding sand in milling machines. p. 27.
Lebedev, B. M., Luk'ianenko, V. S. - Skip hoist for conveying charge into the cupola furnace. p. 31.
Barinov, N. A., Popov, V. M., Govorov, IU. A. - Practice in using the water-cooled roof of the DSN-1,5 furnace. p. 32.
Kolomitskii, F. M., Bystrenin, M. N. - Removing aluminum from stannous bronzes and brasses, p. 35.
Lakeev, A. S. - Innovations in the technological process of precision investment molding. p. 37.
Kobiliatskii, V. G., Golubiatnikov, B. G. - Vertically closed conveyor. p. 40.
Veitsman, P. G., Mikhailov, V. P. - Automatic conveying of charge into the cupola furnace on an annular monorail. p. 41.
Lifanova, A. V. - Manufacture of rotors for heavy-duty turbines from basic vacuum treated steel, p. 45.
Parasiuk, P. F. - Unit for the preparation of an emulsion on a clay base p 47.
Nazarenko, O. K., Leont'ev, N. N. - Electron-beam welding in industry. p. 48.
Vinnik, B. I. - Introduction of welding in a carbon dioxide medium at the Kherson Combine Plant. p. 52.
Rogovin, D. A. - Mechanization and automation of welding operations in the manufacture of bridge cranes. p. 55.
Alekseev, M. V. - Using foam polystyrene balls for the protection of the mirror of an electroplating bath from gassing. p. 56.
Proskuriakin, E. V., Zholudev, M. D. - Nickel plating of molybdenum and its alloys. p. 60.
Luk'ianchikov, A. S., Frinov, A. E. - Modern methods for heating pickling solutions. p. 60.
Shalnskii, M. L., TSyganovskii, I. M., Mogil'nyi, N. I. - Semiautomatic machine for milling center flanges in bolts, rollers, and pins. p. 61.
Zlatopol'skii, M. IA. - The AS42 automatic drilling machine. p. 66.
Arshinov, I. S. - Exhaust ventilation shaft with axial flow. p. 69.
Pochkin, E. G. - Progressive assembly line. p. 70.
Boklag, V. M. - Increasing the stability of rectilinear motion of hinge-joint tractors. p. 72.
Rel'man, G. P. - Sling with self-reversing suspension. p. 73.
Omel'chenko, A. A. - Rotary conveyor milking units. p. 75.
Lebedinskii, L. V., and others. - New tractors. p. 77.
Petrenko, N. P. - The SKD-2 beet-lifting combine. p. 84.
Koliada, G. I. - The KPLA-100 mounted tractor trench digger. p. 86.
Kal'bus, G. L. - Using new makes of pumps for hydraulic systems of tractors. p. 87.
Zhitomirskii, L. IA. - Comparative testing of the KSP-2 and K-3 potato harvesting combines. p. 90.
Transportable air-inflated shed. p. 91.
Sowing machines of the Knapp Company. p. 91.
Gavriliuk, V. I. - Universal unit for testing vibratory feeders. p. 92.
Kuz'minskii, A. N. - Improving the methods for calculating the cost of castings. p. 94.
Amsheeva, A. A. - Determination of bismuth in buddit with xylenol orange. p. 97.
Krasnoshchekov, M. M. - Modern wear-resistant bearing materials. p. 99.
New designs of potato-harvesting machines. p. 101.
Universal semiautomatic gear-milling machine. p. 110.
Pneumatic roller loader. p. 112.
Extra-flexible overhead conveyor. p. 112.
Electric wood-screw driver with automatic screw feed. p. 113.
Welding of body stages of the Atlas rocket. p. 114.
New design of punching dies. p. 116.
Producing forgings with hollow extensions from nonferrous metals. p. 117.
Continuous annealing of sheet iron. p. 118.
Unit for painting articles. p. 119.

MASHINOSTROITEL' [MACHINE BUILDER]. Organ of Nauchno-tekhnicheskoe obshchestvo mashinostroitel'noi promyshlennosti [Scientific-Technological Society of the Machinery Manufacturing Industry]. Moscow, no. 10, Oct. 1963.

Table of contents translated:

Management school is a school of communism. p 1
Kovadlo, M. - Four hundred and twenty minutes of working time to production. p. 2.
Razumovskii, N. - An individual creative plan for every engineer and technician. p. 3.
Perevarin, V. G. - Economy and saving campaign. p. 4.
Parsamova, G. L. - Automatic setting of castings. p. 6
Evlant'ev, A. M. - Mechanical arm for a press. p. 8.
TSyganov, I. - Repair of equipment by units at the Kharkov Tractor Plant. p. 9.
IAkovlev, A. I. - Organization of the lubrication unit. p. 10.
Savel'ev, N. M. - Reconditioning machine-tool parts with iron plating. p. 12.
Rysin, V. I. - Semiautomatic machine for winding magnetic starter coils. p. 14.
Bakul', V. N., Zakharenko, I. P. - Diamond wheels for grinding hard-alloy tools. p. 15.
Smirnov, P. V. - Capron insulation for tools. p. 17.
Rodin, I. I. - Engraving devices. p. 18.
Radinskii, A. M. - Quickly-readjusted multiposition attachments. p. 20.
Gromada, G. M. - Attachment for simultaneous milling of two dies. p. 22.
Zonnenberg, S. M. - Multispindle drilling attachment p. 23.
Efremov, S. I. - Hard-alloy cutters for machining dies. p. 24.
Il'in, I. A. - Attachment for cutting internal grooves. p. 24.
Gavrilenko, B. F. - N. F. Ostroverkhov's cutter. p. 24.
Zaikin, G. G. - Cutter for machining trapezoid threads. p. 25.

Mironov, G.G. - Cutter with a free chip outlet. p. 25.
Yanis, I.V. - Dies for forming along the radius. p. 25.
Unit can be used in your enterprise p. 26.
Levin, Z.D. - Introducing electric upsetting at the KATEK Plant. p. 28.
Tiss', A.M. - Stamped springs. p. 30.
Tsyganskii, V.L. - Machining threaded parts on lathes. p. 31.
Klovanskii, A. - The question has been put in time. p. 31.
Spilkin, V. - Total utilization of industrial equipment p. 32.
Rusheliia, I.I. - Specialization of cutting-tool shops. p. 34.
Shul'zhitser, S.M. - Green light to three-dimensional planning. p. 35.
Korotkov, V.I. - Standardization is an essential condition for technical progress. p. 37.
Kozlova, N.L. - Standardization of units and parts at the Kolomna Heavy Machinery Plant. p. 38.
Zhdankin, P. - Machine-tool industry workers in Gorkiy fulfill their pledges. p. 38.
Shvedov, V. - Standardization at the plants of the Central Chernozem Economic Region. p. 39.
Prokosov, A.S. - Safety measures in explosive forming. p. 40.
Tsar'ev, A.L., Shchegol'kov, V.F. - Exhaust unit. p. 42.
Bochnikov, P. - Public standardization office. p. 42.
Shapiro, M.L. - Made by the branch planning and construction department. p. 43.
Lozhik, M.Z. - New design of an air nozzle. p. 44.
Layout device. p. 44.
Cutting metals with a light ray. p. 45.
New trends in ultrasonic machining. p. 45.
Microfotosh. p. 46.
Kokhtev, A.A. - Useful handbook on an urgent problem. p. 47.

MEKHANIZATSIIA I AVTOMATIZATSIIA PROIZVODSTVA [MECHANIZATION AND AUTOMATION OF PRODUCTION]. Organ of Gosudarstvennyi komitet po mashinostroeniiu pri Gosplane SSSR [State Committee for Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, Vol 17, no. 10, Oct. 1963.

Table of contents translated:
Poruchikov, IU.P., Khazan, G.L. - Automatic distribution of molding sand. p. 1.
Vrublevskii, V.I., Ravich, K.S. - Automatic cupola charging with a crane. p. 4.
Skorik, N.S. - Automatic control of thermal conditions of open-hearth furnaces. p. 6.
Kamelmanov, D.S., and others. - Automatic grinding in ball mills. p. 10.
Kakhazin, G.A. - Mechanization and automation of food production processes. p. 11.
Tatarov, IU.D. - Automation and increase in productivity of loading stations of ring cableways. p. 16.
Leibzon, L.N., Torshilov, IU.I. - Automatic proportioning of paint and varnish products. p. 20.
Abdullaev, A.A., Nabiev, I.A., IUsifov, A.A. - Teleinstering system of scanning conversion. p. 22.
Senchuk, B.M. - The RSB noncontact speed relay. p. 24.
Karavashkin, S.I. - New equipment for lumbering. p. 26.
Lavrinenko, V.I., Nazarenko, V.A. - Digital servosystem for a movable reversing conveyor. p. 30
Molent'ev, V.V., Ostapenko, V.A. - Electromagnetic valve. p. 31.
Popovian, D.E. - Blocking devices with ultrasonic transducers. p. 31.
Klitchenko, A.P., Linshenko, E.I., Panchenko, V.A. Incompletely reversible electrohydraulic drive. p. 34.
Dobrolubov, A.I. - Using functional cyclograms in analyzing the performance and reliability of contact relay circuits. p. 36.
Loskutov, V.I. - New fields in the automation of processes of mental work. p. 40.
Petrov, I.K. - Exhibition of instruments made by VEB "Karl Zeiss" (German Democratic Republic). p. 43.
Belousov, N.V., Zashavskii, M.L. - Pouring metal for die casting. p. 46.
Shpunt, M.I. - Automatic quality analyzers in petroleum refining and petroleum chemistry. p. 51.
Lesnitskii, M.L. - Conference. p. 55.
Spivakovskii, A.O., Tikhonov, N.V. - Review of the book "Power loaders of loose and lump materials." p. 57.
Nemerovskii, E.I. - Periodical "Building and road machinery." p. 57.
New books. p. 58.
From Soviet periodicals. p. 60.
From foreign periodicals. p. 62.

MOSCOW. MOSKOVSKII INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [MOSCOW INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION. Transactions]. No. 176, 1963.
Razvitie gidravlicheskikh peredach teplovozov [Development of hydraulic transmissions for diesel locomotives].

Table of contents translated:
Ivanisian, I.A. - Foreword. p. 3.
Gordeev, A.S. - Studying the blading of hydrotransmitters. p. 5.
Gordeev, A.S. - Experimental study of the structure of the flow in the blading of a regulated hydraulic torque converter. p. 36.
Gordeev, A.S., IUshko, V.I. - Investigating the single-flow hydrodynamic transmission with a synchronizing hydraulic clutch p. 59
IUshko, V.I. - Movement of cam clutches and the dynamic loads in the elements of the gearbox of single-flow hydrodynamic transmissions. p. 73
Gordeev, A.S., Natovich, M.I. - Coordination of the intake and outlet angles of the blading systems of hydraulic torque converters. p. 86.
Agapova, M.N. - Inspection of the fitting of blades in the impellers of hydraulic torque converters. p. 106
Suzdal'tsev, M.IA. - Investigating the dynamics of the diesel locomotive drive with a cardan transmission. p. 115.
Dubrovskii, A.F. - Torsion of the rods of bolted joints. p. 135.
Fedorov, I.S. - Technology for the balancing of the wheel pairs of the rolling stock. p. 146

MOSCOW, TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. Seriia III Novye mashiny, oborudovanie i sredstva avtomatizatsii [CENTRAL INSTITUTE FOR SCIENTIFIC AND TECHNICAL INFORMATION ON AUTOMATION AND MACHINERY MANUFACTURE, Series III New Machinery, Equipment, and the Means of Automation]. No 59, 1963.
Avtomatizatsiia kholodil'nykh ustanovok kratnykh kholodil'nikov [Automation of the refrigerating machinery in large cold storage warehouses].

Table of contents translated:
Kobulashvili, Sh.N. - Automation of large wholesale cold storage warehouses. p. 4.
Irzhevskii, V.P. - Automation of large refrigeration plants. p. 12.
Pavlov, R.V. - Automation and protection of refrigerating machinery. p. 21.
Krylov, IU.S. - Automation of wholesale cold storage warehouses according to the plans of the State Institute for the Design and Planning of Refrigeration and Dairy Industry Establishments. p. 42.
Kasatkina, G.M. - Use of electronic machines for the automation of cold storage warehouses. p. 51.
Rogachov, N.N. - Temperature and pressure relay for the automation of refrigerating machinery. p. 53.
Arro, A.A. - Thermoregulating valves for refrigerating machinery units. p. 62.
Pavlova, I.A. - Devices and means for the automation of refrigerating systems developed by the All-Union Scientific Research Institute of the Refrigerating Industry. p. 65.
Kutanin, V.M. - Experience in the operation of an experimental automated model cold storage warehouse in Zhukovski. p. 74.
Simonov, N.N. - Experience in the operation of the automated Cold Storage Warehouse No. 1 in Moscow. p. 77.
Sysoev, L.P. - Experience in the operation of the Harbor Cold Storage Warehouse in Leningrad. p. 82.
From the resolution of the All-Union Conference on the Automation of Refrigerating Machinery in Large Cold Storage Warehouses. p. 86.

No. 66, 1963.

Contents: Chistozvonov, S.B., Khanin, N.S. [Modern foreign motor-vehicle diesel engines; survey] Sovremennye zarubezhnye avtomobil'nye dizeli, obzor. 171 p.

No. 67, 1963.

Contents. Kokorev, V.A., Kuznekov, IU.V. [Structural dimensional diagrams for looms] Konstruktivnye razmernye riady tkatskikh stankov. 106 p.

MOSCOW, TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. Seriia VI: Novye materialy [CENTRAL INSTITUTE FOR SCIENTIFIC AND TECHNICAL INFORMATION ON AUTOMATION AND MACHINERY MANUFACTURE. Series VI: New Materials]. No. 69, 1963.

Contents: [Heat insulation with the utilization of vacuum] Teploizoliatsiia s ispol'zovaniem vakuuma. 43 p.

MOSCOW, TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIIU. Seriia VII: Ekonomika i spetsializatsiia mashinostroeniia Organizatsiia proizvodstva [CENTRAL INSTITUTE FOR SCIENTIFIC AND TECHNICAL INFORMATION ON AUTOMATION AND MACHINERY MANUFACTURE. Series VII. Economics of and Specialization in Machinery Manufacture. Organization of Production]. No. 81, 1963.

Contents: Rodin, B.I. [Technical and economic problems in the introduction of new materials to the machinery industry] Tekhniko-ekonomicheskie problemy vnedreniia novykh materialov v mashinostroenie. 109 p.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PO STROITEL'STVU MAGISTRAL'NYKH TRUBOPROVODOV. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE FOR THE CONSTRUCTION OF PIPELINES. Transactions] No 14, 1962 Tekhniko-ekonomicheskie issledovaniia po truboprovodnom stroitel'stve [Technical and economic studies of pipeline construction].

Table of contents translated
Foreword p 3.
Lein, S.IA., Semenov, B.N. - Study of the structure and possibility of lowering the estimated cost of gas pipelines. p. 7
Aref'eva, N.A., Kuperman, IA.M. - Internal potentials for increasing labor productivity in pipeline construction. p. 40.
Rubinov, N.Z. - Parameters and technical and economic indices of gas pipelines p. 55.
Kozliakova, G.I., Prival'skii, M.E. - Some problems in the establishment of standards for construction materials and new standards for their consumption in pipeline construction. p. 69
Baksheeva, S.I. - Economic effectiveness of standardizing bent pipes, deflection and radii angles of pipelines. p. 84.
Kuperman, IA.M., Rubinov, N.Z. - Economic effectiveness of using pipes made from aluminum alloys in pipeline construction. p. 95.
Sidorov, B.S. - New standards for amortization deductions for machinery in pipeline construction p. 105
Semenov, B.N., Sidorov, B.S. - Study of the efficiency of using transportation facilities for moving pipes. p. 114.
Baksheeva, S.I. - Efficiency of building overhead beam structures for pipeline crossings over natural impediments. p. 124.
Aref'eva, N.A., Sakharov, G.V. - Technical and economic indices of tanks for storing petroleum products p. 131.
But, P.P. - Study of specific technical and economic indices of pipelines for petroleum and petroleum products p. 142.
Sidorov, B.S. - Technical and economic analysis of the efficiency of machines for cleaning pipes with a diameter of 720 and 820 mm p. 164.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHELEZNODOROZHNOGO TRANSPORTA. Vestnik [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF RAILROAD TRANSPORTATION Journal] Vol 22, no. 7, 1963.

Table of contents translated:
Verigo, M.F., and others. - Dynamic qualities of eight-axle gondola cars and their action on the track. p. 3.
Frishman, M.A., Lipovskii, R.S., Orlovskii, A.N. - New design of obtuse angle frogs with a mobile point. p. 10.
Gurskii, P.A. - Calculating the average power of a locomotive during its testing. p. 14.
Astakhov, P.N. - Formula of the basic resistance to motion of passenger cars. p. 16.
Vukolov, L.A. - Work done by the brake shoes of freight trains on long down gradients. p. 18.
Gnezdilov, B.V. - Distribution of the current between the brushes of electric collector machines. p. 22.
Doroshin, E.R. - Method for designing electric antiskid circuits. p. 26.
Oragvelidze, K.K. - Design of rubber parts for the traction drives of electric locomotives. p. 32.
Demidov, V.P., Sen-Zhelen, E.A. - Effect of climate conditions on the performance of the GI-01 gas-turbine locomotive manufactured by the Kolomna Plant. p. 37.
Bushe, N.A., And others. - Testing of aluminum alloy bearings for diesel locomotive engines. p. 39.
Petrov, V.A., and others. - Optimum value of radial clearances for roller bearings of railroad cars. p. 44.
Grekov, K.A. - Lengthening the service life of cylinder bushings. p. 48.
Trubikhin, M.G., Fleishman, F.M., Kreinin, A.V. - Principles for the establishment of freight rates on socialist railroads. p. 49.
Mekhov, E.I. - Efficiency of diesel locomotives with hydraulic and electric driving. p. 53.
Smirnov, A.I. - Efficiency of the use of reinforced concrete ties on narrow-gauge railroads. p. 57.
Syreishchikov, IU.P. - Compaction of the ballast during vibration. p. 59.
Duvalian, S.V. - Zero control sum of the number block. p. 64.
New books. p. 3 of cover.

NOVO-KRAMATORSKII MASHINOSTROITEL'NYI ZAVOD, Kramatorsk. Sbornik [NOVO-KRAMATORSK MACHINERY MANUFACTURING PLANT. Papers]. Moscow, no. 1, 1959. Gornorudnoe i staleplavil'noe oborudovanie [Mining and steel-smelting equipment].

Table of contents translated:
Khudiakov, I.I. - Twenty-five years of work of the Novo-Kramatorsk Plant in the development of mining and steel-smelting equipment. p. 5.
Kuzhel', M.G., Il'in, P.L. - Mine hoisting machinery. p. 17.
Marichev, V.P. - Manufacture of excavators. p. 52.

Kalashnikov, IU. G. - Electric drive and control for a set of mine-haulage machines with 3000 cubic meter per hour capacity. p. 101.
Neshcheretnyi, P. M., Gutchenko, P. I. - Crane manufacture at the Novo-Kramatorsk Plant. p. 115.
Kulikov, I. F. - Device for lifting rotors of the generator of hydroelectric power stations. p. 132.
Shmerlin, IA. M. - Lifting and opening gear for a flat grab. p. 138.
TSukerman, IA. B. - Rope overload and loosening relay. p. 145.
Kulikov, I. F. - Testing high-capacity crossbeams. p. 152.
Varenik, V. G., Belobrov, V. I. - Experimental investigation of machinery. p. 161.
[MICROFILM]

Vol. 5, 1959. Kovka i termicheskaia obrabotka [Forging and heat treatment].
Table of contents translated
Val'dman, V. R. - Development of technological processes of forging and heat treatment at the Novo-Kramatorsk Machinery Plant during the last 25 years. p. 3.
Koval', S. I., Bugai, F. D. - Over-all mechanization of labor-consuming operations on a 10,000 ton capacity press. p. 15.
Golubiatnikov, N. K., Litenko, N. T. - Investigating fast heating of ingots chilled in the range of negative temperatures. p. 23.
Gurzhienko, K. F., Kondrashev, A. I. - Improving the production of large back-up rolls of 9KhF steel. p. 39.
Kondrashev, A. I., Gurzhienko, K. F., Kolesnik, N. M. - Fast heating and cooling conditions in the heat treatment of large forgings. p. 48.
Kondrashev, A. I., Gurzhienko, K. F., Kamalov, V. A. - Efficient heat treatment of rolls used in hot rolling and made of 55Kh and 60KhG steels. p. 62.
Kondrashev, A. I., Kamalov, V. A., Gurzhienko, K. F. - Improving the heat treatment of rolls used in cold rolling. p. 70.
Tovkes, V. V. - High-frequency current hardening. p. 84.
Brusilovskii, B. A., Ivanov, F. I. - X-ray examination of the kinetics of martensite disintegration at low-temperature tempering in rolls used in cold rolling. p. 96.
Brusilovskii, B. A., Ivanov, F. I. - Kinetics of the relieving and redistribution of residual stresses in rolls used in cold rolling at low-temperature tempering. p. 100.
Brusilovskii, V. A. - Using stepped attenuation of comparison lines in X-ray diffraction determination of residual austenite. p. 103.
Ivanov, F. I., Gontar', M. A. - Investigation of thermokinetic austenite transformation in steels. p. 120.
[MICROFILM]

PEROVO GOSUDARSTVENNYI SOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII TEKHNOLOGICHI'SKII INSTITUT REMONTA I EKSPLUATATSII MASHINNO-TRAKTORNOGO PARKA. Sbornik rabot [ALL-UNION STATE TECHNOLOGICAL RESEARCH INSTITUTE FOR THE REPAIR AND UTILIZATION OF TRACTORS AND AGRICULTURAL MACHINERY Papers], No. 16, [1961].
Table of contents translated:
Krechetova, M. V. - Separating ergot from rye on the SSP-1, 5 sorting table. p. 1.
Aniskin, V. I. - Studying the quality of seeds in an artificial climate chamber. p. 8.
Chizhikov, A. G. - Using liquid fuel as thermal source for grain dryers. p. 14.
Litvinov, M. A. - Advantages of using liquid ammonia in mechanized fertilizing of fields. p. 20.
Vorob'ev, V. N. - Selecting indices of maintenance systems for motortrucks in agriculture. p. 28.
[illegible] ssed
Kiichevskii, M. E. - Strengthening and restoring the rigidity of couplings in agricultural machines by gluing. p. 46.
Zusmanovich, G. G. - Reconditioning piston pairs by chemical nickel plating. p. 54.
Gal'chenko, I. I. - Increasing the serviceability of pneumatic tires. p. 68.
Fedukeva, K. V. - Operating efficiency of a screw conveyor. p. 80.
Korn, A. M. - Studying pneumatic conveying. p. 85.

* PRIBOROSTROENIE [INSTRUMENT MANUFACTURE]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva priborostroitel'noi promyshlennosti [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific and Technological Society of the Instrument Industry]. Moscow, no. 11, Nov. 1963.
Table of contents translated:
Most urgent objectives in the development of the instrument industry. p. 1
Berends, T. K., and others - Principle of universal elements in pneumatic control systems. p. 3
Loskutov, V. I. - New method for measuring the temperature of molten steel. p. 8
Kovalenko, G. G. - Discrete phase method of frequency selection of remote control signals. p. 11
Kasperovich, A. N. - Nonlinear feedback in zero elements of digital multivoltmeters. p. 13
Ivlichev, IU. I. - Geometrical parameters of linear pneumatic chokes. p. 15
Klochkov, G. A., Khristunov, V. N. - High-speed digital multivoltmeter. p. 16
Liberzon, L. M., Podov, A. B. - Using high-speed optimalizing regulator for the optimization of industrial objects. p. 20
Kamochkin, B. A., Tovchigrechko, S. S. - Chronograph for continuous recording of time intervals of slow processes. p. 22
Ivantsova, N. P. - Practice in the mechanization and automation of assembly and fitting work in the manufacture of electric instruments. p. 24
Fridman, B. P. - Flame regulating device. p. 25
Glonozov, E. L. - Transistor generator of pulse batches. p. 26
Kononenko, G. I. - Exhibition of Japanese instruments. p. 28
Malov, V. S. - Inconvenience of the operation and repair of certain instruments. p. 31.
Mathukhin, S. G. - Efficient use of diagram paper. p. 32
Belevtsev, A. T. - This manual can be recommended for instrument-manufacture specialists with broad educational background. pp. 33, 3 of cover.
New books. p. 3 of cover

PRYKLADNA MEKHANIKA [APPLIED MECHANICS]. Issued by Instytut budivel'noi mekhaniky Akademii nauk URSR [Institute of Structural Mechanics of the Academy of Sciences of the Ukrainian S. S. R.]. Kiev, vol. 9, no. 6, 1963.
Table of contents translated:
Savin, H. M., Putiata, T. V., Fradlin, B. N. - Scientific heritage of P. V. Voronets' (1871-1923). p. 581.
IErshov, M. F. - Elastoplastic calculation of plates with braces. p. 592.
TSurpal, I. A. - Approximate solution of physically nonlinear plane problems of stress concentration around holes. p. 601.
Mitkevych, V. M. - Stressed state of a conic shell reinforced with ribs and under the action of a border load. p. 612.
Huberman, I. O. - Solution of the problem of stress concentration around curvilinear holes in shells by the finite-difference method. p. 619.
Strel'byts'ka, O. I., IEvsieienko, H. I. - Experimental investigation of stresses in H-beams subjected to elastoplastic bending with torsion. p. 627.
Likhovyd, P. H. - Transition processes in systems with elastoplastic connections. p. 636.
Surkin, R. H., Stepanov, S. H. - Experimental investigation of the stability of spherical segments under external uniformly distributed pressure. p. 649.
Lobas, L. H. - Stability of the motion of an airplane controlled by an autopilot along the take-off and landing strip. p. 659.
Kapshyvyi, O. O. - Using the method of P-analytic functions for the solution of a problem for a laminated cylinder. p. 670.
Kil'chevs'kyi, M. O., Petrenko, M. P., Babich, D. V. - Longitudinally radial vibrations of a system of cylindrical shells with concentrated masses in joints. p. 677.
Kosmodamians'kyi, O. S., Menglins'kyi, V. V., Shvetsov, V. A. - Tension of an anisotropic plate with a trapezoidhole reinforced with a rigid ring. p. 683.
Horoshko, O. O. - Work of the symposium-seminar on the problems of wire ropes. p. 686.
Shevchenko, IU. M. - Fourth scientific conference on thermal stresses in structural elements. p. 686.
Alphabetic index of volume 4. p. 689.

RASCHETY NA PROCHNOST', teoreticheskie i eksperimental'nye issledovaniia prochnosti mashinostroitel'nykh konstruktsii. Sbornik statei [STRENGTH ANALYSIS, Theoretical and Experimental Investigations of Strength of Elements in Machine Design. Collected Papers]. Moscow, no. 9, 1963. Teoreticheskie i eksperimental'nye issledovaniia prochnosti mashinostroitel'nykh konstruktsii [Theoretical and experimental investigations of the strength of machinery structures].
Table of contents translated:
Ponomarev, S. D. - Graphoanalytic calculation of circular one-sided stepped plates subjected to axisymmetric loading. p. 3.
Tikhomirov, E. N. - Stresses in an equilateral wedge with rectangular cross section subjected to straight bending. p. 18.
Biderman, V. L., Bukhin, B. L. - Calculating tires with meridional disposition of cord threads in the casing. p. 34.
Kuzin, B. V. - Strength analysis of some parts of turbodrill engines. p. 48.
Dolgov, N. I. - Calculation of low-rigidity rods for bending. p. 56.
Gorskii, V. G. - Calculation of hollow cylinders subjected to the action of axisymmetric tangential loads. p. 82.
Vainberg, D. V., Itenberg, B. Z. - Stressed state of milticonnected plates with regular configuration. p. 133.
Malinin, N. N. - Investigating the steady creep of circular and annular axisymmetrically loaded plates. p. 173.
Bocharova, S. A. - Stressed state of a pipe under the action of uniform internal pressure and a longitudinal force at high plastic deformations. p. 190.
Malhonina, T. M. - Using Tresk-Saint Venant criterion and associated with it flow law for the calculation of washers beyond the elastic limit. p. 219.
Zhukovskii, V. S. - Strained state and the strength of flat notched bars of arbitrary thickness. p. 231.
Makushin, V. M. - Critical value of uniformly distributed longitudinal forces for certain cases of the fastening of compressed-support ends. p. 253.
Glushkov, G. S., Valishvili, N. V. - Longitudinal bending of rods under creep conditions. p. 270.
Karavanov, V. F. - Stability and large flexures of elongated shallow cylindrical sandwich panels with a light filler in case of a uniformly distributed lateral load. p. 280.
Bolotin, V. V. - Evaluating the resource of a structure under the action of random loads. p. 302.
Kinasoshvili, R. S. - Determining strength potentialities in case of unsteady changes in variable stresses. p. 327.
Grinberg, S. M. - Calculating frequencies of bending and torsional vibrations of blades of axial compressors. p. 339.

REFERATIVNYI ZHURNAL: AVTOMOBIL'NYI I GORODSKOI TRANSPORT [JOURNAL OF ABSTRACTS: AUTOMOTIVE AND CITY TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Moscow, no. 11, Nov. 1963. Predmetnyi ukazatel' za 1962 g. [Subject Index for 1962], publ. 1963 [This journal is also issued in parts.]

REFERATIVNYI ZHURNAL: DVIGATELI VNUTRENNEGO SGORANIIA (Otdel'nyi vypusk 39) [JOURNAL OF ABSTRACTS: INTERNAL COMBUSTION ENGINES (Separate Issue 39)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 11, Nov. 1963.

REFERATIVNYI ZHURNAL: GORNOE, STROITEL'NOE I DOROZHNOE MASHINOSTROENIE (Otdel'nyi vypusk 43) [JOURNAL OF ABSTRACTS: MANUFACTURE OF MINING MACHINERY, CONSTRUCTION EQUIPMENT, AND ROAD MACHINERY (Separate Issue 43)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Moscow, no. 12, Dec. 1963.

REFERATIVNYI ZHURNAL: KOMMUNAL'NOE, BYTOVOE I TORGOVOE OBORUDOVANIE (Otdel'nyi vypusk 33) [JOURNAL OF ABSTRACTS: COMMUNAL, HOUSEHOLD, AND COMMERCIAL EQUIPMENT (Separate Issue 33)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 11, Nov. 1963.

REFERATIVNYI ZHURNAL: KOTLOSTROENIE (Otdel'nyi vypusk 42) [JOURNAL OF ABSTRACTS: BOILER MANUFACTURE (Separate Issue 42)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 12, Dec. 1963.

REFERATIVNYI ZHURNAL: MASHINOSTROITEL'NYE MATERIALY, KONSTRUKTSII I RASCHET DETALEI MASHIN (Otdel'nyi vypusk 48) [JOURNAL OF ABSTRACTS: MATERIALS FOR MACHINERY MANUFACTURE AND THE DESIGN OF MACHINE PARTS (Separate Issue 48)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 12, Dec. 1963; no. 1, Jan. 1964.

REFERATIVNYI ZHURNAL: PISHCHEVOE MASHINOSTROENIE (Otdel'nyi vypusk 38) [JOURNAL OF ABSTRACTS: FOOD MACHINERY MANUFACTURE (Separate Issue 38)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 11, Nov. 1963.

REFERATIVNYI ZHURNAL: PROMYSHLENNYI TRANSPORT [JOURNAL OF ABSTRACTS: INDUSTRIAL TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 12, Dec. 1963. [This journal is also issued in parts.]

REFERATIVNYI ZHURNAL: TEKHNOLOGIIA MASHINOSTROENIIA [JOURNAL OF ABSTRACTS: TECHNOLOGY OF MACHINERY MANUFACTURE] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Moscow, no 12, Dec. 1963.

REFERATIVNYI ZHURNAL: TEPLOENERGETIKA [JOURNAL OF ABSTRACTS: HEAT ENGINEERING] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Moscow, no 11, Dec. 1963

REFERATIVNYI ZHURNAL: TOCHNAIA MEKHANIKA, OPTIKA I ISPYTATEL'NAIA APPARATURA (Otdel'nyi vypusk 10) [JOURNAL OF ABSTRACTS: PRECISION MECHANICS, OPTICS, AND TESTING APPARATUS (Separate Issue 10)], Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Moscow, no 11, Nov. 1963.

REFERATIVNYI ZHURNAL: TRAKTORY I SEL'SKOKHOZIAISTVENNYI MASHINY I ORUDIIA (Otdel'nyi vypusk 44) [JOURNAL OF ABSTRACTS: TRACTORS AND AGRICULTURAL MACHINERY AND EQUIPMENT (Separate Issue 44)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Moscow, nos. 11-12, Nov.-Dec. 1963.

REFERATIVNYI ZHURNAL: TRUBOPROVODNYI TRANSPORT (Otdel'nyi vypusk 45) [JOURNAL OF ABSTRACTS: PIPE LINE TRANSPORTATION (Separate Issue 45)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Moscow, no 12, Dec. 1963.

REFERATIVNYI ZHURNAL: TURBOSTROENIE (Otdel'nyi vypusk 49) [JOURNAL OF ABSTRACTS: TURBINE MANUFACTURE (Separate Issue 49)] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Moscow, no. 12, Dec. 1963.

REFERATIVNYI ZHURNAL: VOPROSY TEKHNICHESKOGO PROGRESSA I ORGANIZATSII PROIZVODSTVA V MASHINOSTROENII (Otdel'nyi vypusk 35) [JOURNAL OF ABSTRACTS: PROBLEMS OF TECHNOLOGICAL PROGRESS AND THE ORGANIZATION OF PRODUCTION IN THE MACHINERY INDUSTRY (Separate Issue 35)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Moscow, no. 12, Dec. 1963.

REFERATIVNYI ZHURNAL: VZAIMODEISTVIE RAZNYKH VIDOV TRANSPORTA I KONTEINERNYE PERE VOZKI (Otdel'nyi vypusk 31) [JOURNAL OF ABSTRACTS: CONTAINER SHIPMENTS AND THE INTERACTION OF VARIOUS TYPES OF TRANSPORTATION (Separate Issue 31)], Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.] Moscow, no. 12, Dec. 1963.

REFERATIVNYI ZHURNAL: ZHELEZNODOROZHNYI TRANSPORT [JOURNAL OF ABSTRACTS: RAILROAD TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 12, Dec. 1963. Predmetnyi ukazatel' za 1962 g. [Subject Index for 1962], publ. 1963. [This journal is also issued in parts.]

ROSTOV-ON-DON. INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Sbornik trudov [INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION. Papers] no. 31, 1961. Iznos detalei teplovoznykh dvigatelei [Wear of the parts of diesel locomotive engines].

Table of contents translated:

Panfilov, M. M. - Foreword. p. 3.
Malozemov, N. A., Tikhonov, A. P. - Studying the wear of the elements of the piston group of diesel locomotive engines during operation. p. 5.
Kislik, V. A., Gugel', S. M. - Lengthening the service life of the fuel system parts of diesel locomotive engines. p. 26.
Chukrenkevich, V. A. - Some factors affecting the wear of the piston pair of a diesel locomotive engine. p. 216.
Kislik, V. A., Studenok, IU. A., Pollakov, A. N. - Increasing the wear resistance of the pistons of a D-50 diesel locomotive engine in the area of the upper grooves. p. 226.
Smirnkin, A. A. - Surface quality of the parts of the cylinder group of diesel locomotive engines p. 298.
Technological instructions for the reconditioning of the precision pairs of the fuel system of D-50 diesel locomotive engines by the nitriding method, supplement. p. 317

No. 32, 1961. Voprosy teorii i konstruktsii lokomotivov [Theory and design of locomotives]

Table of contents translated:

Karminskii, D. L., Vorob'ev, V. I. - "Study of the horizontal dynamics of TG-100 diesel locomotives." p. 5.
Karminskii, D. L., and others. - "Study of the stresses in the frame and body of TE-3 diesel locomotives." p. 59
Tibilov, T. A. - "Movement of the two-axle truck with elastic supports in the axle boxes of the wheel pair." p. 97.
Tibilov, T. A. - "Method of asymptomatic integration of the systems of nonlinear differential equations describing the motion of locomotives." p. 117.
Bogoslavskii, E. G. - Coefficient of heat transfer in a radial flow turbine p. 139.
Bogoslavskii, E. G. - "Effect of small changes in the parameters of a gas turbine plant on the power and efficiency of the unit." p. 163
Karminskii, D. L., Khrulev, V. I. - "Temperature conditions in braking." p. 190
Sal'man, B. M. - "Collector for dynamic measurements of the stresses and temperatures of wheel pairs in motion." p. 231.
Sal'man, B. M. - "Experimental study of vibrations in the wobbling of the running gear of the rolling stock of railroads." p. 239.
Lamba, P. D. - "Testing of the coolers of the braking air." p. 247
Cherenkevich, V. A. - "Contact state and local wear of the piston path of a diesel locomotive engine." p. 258.

STANKI I INSTRUMENT [MACHINE TOOLS AND THEIR CUTTING TOOLS] Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR and TSentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee, and the Central Administration of the Scientific Technological Society of the Machinery Industry] Moscow, vol. 34, no 11, Nov 1963

Table of contents translated.

Toward new achievements in the building of communism p 1
Brovman, IA. S. - Controlled electric drives of heavy-duty planers and multiple purpose machine tools p 3
Ivenskii, IU. N., Tuller, A. G., El'per, G. L. - Counting circuits in the control of machine tools and automatic lines p 7
Sal'nikov, O. A. - Converting machine tools to programmed control p. 10
Vasil'chikov, M. V., Volkov, M. M., Meiler, B. A. - Lateral-helical rolling of hobbing-cutter billets p 12.
Akhmovich, V. A. - Automatic orientation of parts *in solenoid coils* p 15
Koleson, I. M. - Methods for the automation of assembly work p 19
Rudnev, A. V., Shtuchnyi, B. P. - Optimum design of the cutting tool and turning conditions for machining nonmetallic glass-fiber laminate-type materials p 23
Astanin, V. N. - Dynamics of the drilling of deep *holes in EI992 steel* p 25
Kuganov, I. A., Sheinin, G. M. - Grinding disk cams operating with a roller-type follower p 27
Fradmovich, S. B. - Grinding involute worm gears with disk cone grinding *wheels*. p. 28
Zhitnitskii, S. I. - Investigating cutting forces in external broaching of cast iron with hard-alloy broaches p 29
Zaitsev, V. M. - Cooling effectiveness in milling heat-resistant nickel-base alloys p 31
Gabaidulin, B. Kh., Mukhametshina, S. I. - Contact code transducer for automatic control position systems. p. 33
Postnov, V. M. - Device for measuring torsional vibrations of the power-head spindle p. 35.
Chernov, I. N. - Soldering hard-alloy plates with tableted solder p. 36.
Frolikova, I. N., Linnikov, I. K. - Semiautomatic *dividing attachment*. p. 37.
Padogin, A. A. - The 30th anniversary of the Experimental Research Institute of Machine Tools (*EHMS*). p 38.
Koperbakh, B. L. - Cutting gear wheels with hobbing *cutters*. p 39
Krishtul, A. IU. - The DPK-01 magnetic toothed linear transducer p. 40.
New machine tools. p 41.
Books p 43.
Dissertations. p. 44.
Periodicals. p. 45.

STROITEL'NYI I DOROZHNYE MASHINY [ROAD AND CONSTRUCTION MACHINERY] Organ of Gosudarstvennyi komitet stroitel'nogo, dorozhnogo i kommunal'nogo mashinostroeniia pri Gosstroe SSSR [State Committee for the Manufacture of Construction, Road, and Communal Machinery, Attached to the State Committee for Construction in the U. S. S. R.] Moscow, vol 8, no 11, Nov. 1963

Table of contents translated

Along Lenin's path p. 1.
Lvzo, B. G. - Pipe-type diesel hammers are the best pile-driving equipment p. 2.
Kasimov, B. N., Kokin, V. D., Mikhailov, V. F. - D-543 universal single bucket frontal loader p. 4.
Vasiukov, V. I. - Stability of the block and tackle of construction cranes p. 6
Gorinchko, B. V. - Traction coupling properties of power gradients p. 9.
Kornees, A. A., Mikarova, G. S. - More on the reliability and life of construction machinery p. 11
Budantsev, IU. IU. - Standard equipment of control control points of plants and construction projects p. 13.
Rumiantsev, V. A., Figlin, I. Z. - Change equipment of the ETY-354 excavator for digging frozen ground p 16
Naret, G. B. - Rapid transportation of soils in machines of continuous operation p 17.
Gorinskii, V. N. - Mechanization of the construction of drainage on irrigated soils abroad p 19
Kuznetsov, IU. P., Rikhter, V. A. - Compactness indicator of a rolled layer p. 23.
Larionov, P. I. - Domestic and foreign asphalt heaters p 25
Svistunov, G. A. - Unit for feeding bitumen onto roofs p 28.
Egorov, IA. B. - Continuous mechanized production line of sewage pipes. p 29.
Tumarkin, P. I. - The b943/2a unit for cleaning ormwork p. 31
Kardonskii, M. I. - Head for boring holes of base pieces in situ p 33
Polnak, M. S., Bagmet, V. S. - New electrodes for the hard facing of worn out parts p 35
Selenevich, A. S. - Set of instruments for the EV315 *electric drill* p 35
Nemirovskii, E. I. - New reference manual p 38
From the pages of periodicals. p 40

VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PO MASHINAM DLIA PROMYSHLENNOSTI STROITEL'NYKH MATERIALOV Sbornik trudov [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE ON MACHINERY FOR THE BUILDING MATERIALS INDUSTRY *Papers*]. *Leningrad, no 2, 1960.*

Table of contents translated:

TSarovskii, I. Z., Karzanova, V. P. - Experimental study of the creation of equipment and the technology of double-layer ceramic blocks. p 5
Novakov, E. I. - Photoelectric methods of continuous control of concentrations of suspended matter. p 81.

ZA BEZOPASNOST' DVIZHENIIA [FOR TRAFFIC SAFETY]. Issued by Otdel RUD-GAI Upravleniia okhrany obshchestvennogo poriadka Ispolkoma Mosgorsoveta [Traffic Department and the State Automobile Inspection *Agency of the Administration for the Protection* of Public Order of the Executive Committee of the Moscow City Soviet]. Moscow, vol. 6, no. 9(64), Sep. 1963.

Table of contents translated:

According to the general plan. p. 1.
Belan, A. - Attention, it is fall. p. 2.
Markin, V. - Twenty-seven bold men. p. 3.
Sokolov, A. - Faster than the wind. p. 6.
Mikhailov, V. - Violation today, -tomorrow.... p. 7.
Il'ichev, B. - He came out of retirement. p. 8.
Nosov, P. - Our beacons. p. 8.
Kalachev, A. - What is good and what is bad. p. 10.
Vorob'ev, V. - Unfinished diary. p. 12.
Good and bad. p. 13.
Polienov, A. - Beyond the regulations. p. 14.
Smirnov, A. - Difficult test. p. 15.
Prishchepov, S. - Comrade inspector. p. 16.

Vol. 6, no. 11(66), Nov, 1963.

Table of contents translated:

Nazarov, V. - Forge shop of militia cadres. p. 1.
Leshchinskii, M. - Traffic controller in Moscow during the war. p. 3.
Levishchev, B. - If one works, one should work well. p. 4.
Sapel'nikov, V. - For the fifth time. p. 5.
Markin, V. - Offensive continues. p. 7.
Bobkov, E. - December. p. 8.
Solov'ev, G. - Our dictionary (overtaking area). p. 8.
Once more on Gorelik's device. p. 10.
Starostin, A. - In the Bauman district of the capital. p. 10.
Konetskii, G. - The steering gear should be in skilled hands. p. 11.

Eyeglasses and safety. p. 13.
Gavrilov, L. - Green light to letters. p 14.

ZHELEZNODOROZHNYI TRANSPORT [RAILROAD TRANSPORTATION]. Organ of Ministerstvo putei soobshchenila SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 45, no. 11, Nov. 1963.

Table of contents translated:

Editorial: Make use of the potentials for the growth of labor productivity in every possible way. p. 3.
Konarev, N.S., Malboroda, A.R. - Potentials for increasing the traffic and carrying capacity of a railroad. p. 8.
Ignatov, S.I. - Possibilities of reducing the costs of railroad electrification. p. 13.
Skorokhodov, V.D. - Chemistry and transportation. p. 17.
Smorodinov, M.A. - Reducing the empty running of box cars and containers. p. 20.
Kapustin, L.D. - Efficiency of regeneration braking on electric suburban trains. p. 22.
Orlov, M.V. - Organizing the current maintenance of car axle boxes on lengthened haul distances. p. 25.
Tikhonov, K.K. - Optimum freight train speeds under present-day future conditions. p. 29.
Kubikov, V.F. - Preparation of tracks for high-speed traffic. p. 34.
Mikheev, A.P., Chirkin, V.V. - Monorail railroads and prospects of their use. p. 37.
Kotov, G.V. - Ways for determining the efficiency in the utilization of the rolling stock. p. 43.
Abroskin, P.I., Smykov, E.A., Tushkanov, B.A. - Promising types of locomotives. p. 49.
Golovnia, A.P. - The workers of car repair shops in Minsk strive to achieve economy of materials. p. 55.
Volchek, IA.L., Smirnov, I.T. - Planning of operations on railroads under the new conditions. p. 60.
Gerasimov, V.S. - Continuous line methods for the repair of passenger cars in the factory. p. 65.
Ilkina, E.B., Naidenkov, M.T. - Modernization of four-axle gondola cars and an increase of their carrying capacity. p. 67.
Shtefko, I.V. - Use of pallets in centralized freight handling. p. 68.
Gutman, R.A. - Mechanization of the welding work. p. 71.
Grigoriuk, V.F. - Business accounting by shifts in the railroad stations. p. 72.
Chernyshev, I.G. - Mechanization of accounting work in a railroad division. p. 73.
Samokish, D.I. - Control of industrial noise. p. 74.
IAkovlev, T.V., Rezer, D.M. - Improving the freight operations on approach tracks. p. 75.
Prospects for the strengthening and expansion of the trackage. p. 77.
Borchenko, N.N. - Railroads of African countries. p. 79.
Pal, M. - Methods for the multiple-group classification of cars on draw-out tracks. p. 85.
New developments in foreign technology. p. 89.
Railroad news. p. 93.
Kabanov, V.N., Vol'f, A.M., Kuimov, V.I. - New textbook on electric traction. p. 94.
Forwarding and carrying services must be placed under the jurisdiction of the railroads. p. 96.

h. MINING & METALLURGY

AZERBAIDZHANSKOE NEFTIANOE KHOZIAISTVO [AZERBAIJAN PETROLEUM INDUSTRY]. Organ of Sovet narodnogo khoziaistva Azerbaidzhanskoi SSR and Gosudarstvennyi komitet Soveta Ministrov Azerbaidzhanskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot [Economic Council of the Azerbaijan S.S.R. and the State Committee of the Council of Ministers of the Azerbaijan S.S.R. for the Coordination of Research]. Baku, vol. 40, no 5(419), May, 1961.

Table of contents translated:

Using combined methods for completing offshore oil fields in the Azerbaijan S.S.R. p. 1.
Babazade, B.K. - Efficient method of commercial prospecting in multilayer fields of Azerbaijan. p. 3.
Rzaev, M.A. - Prospects for finding oil and gas in the Miocene sediments of the western Apsheron Peninsula. p. 5.
Akhmedov, A.G. - Accuracy requirement in constructing analytical nets for planning and determining the sites of oil wells. p. 9.
Movsumov, A.A., Faradzhev, T.G., Karasik, G.E. - Features of bottom hole scavenging in drilling under complex conditions. p. 13.
Dashdamirov, F.A., Shamsiev, A.A. - Experimental determination of the coefficient of friction of mud cakes. p. 16.
Kilasbeili, T.N. - Determining the moment of friction in radial supports of a turbodrill. p. 19.
Azimov, B.A., and others. - Solving some problems in studying the processes of the displacement of frontal waters from injection wells to recovery wells and their progressive encroachment. p. 21.
Vinogradov, K.V. - Study of the relative slippage of phases in the movement of a gas-oil mixture in vertical tubes. p. 24.
Guseinov, G.P., Vagabova, N.R. - Effect of an elastic reserve of the contour zone on the behavior of an oil pool in developing it at a pressure below the saturation pressure. p. 27.
Li-IUn-Shan [Li-Yung-Shang]. - Method of calculating bottom and reservoir pressures and determining the parameters of reservoirs in elastic drive in the case of variable production. p. 30.
Abdullaev, M.A., Rustamov, O.M. - Improving the design of the single-stage lift. p. 32.
Aliev, A.M., Aliev, V.S. - Hydrogen circulation in aromatization catalytic processes. p. 36.
Ashumov, G.G., Nasirov, A.B. - Determining the cyclohexane hydrocarbon content in Mishovdag and Kyurovdag oils. p. 38.
Avakov, V.A., and others. - Using corrected spur gearing in the petroleum industry. p. 39.
Mugbilov, M.F. - Choice of materials for underground constructions in Solonchak soils. p. 41.
Kaufman, V.P. - Method of calculating petroleum production in long-range planning (to be continued). p. 46.

*FIZIKA METALLOV I METALLOVEDENIE [THE PHYSICS OF METALS AND METALLOGRAPHY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Sverdlovsk, vol 16, no. 4, Oct 1963.

Table of contents translated

Kalashnikov, V.P. - Phonon radiating power of conductivity electrons in the field of acoustical instability. p. 497
Mitsek, A.I. - Thermodynamic theory of magnetoelastic properties of antiferromagnetic materials. Part 2. Piezomagnetic and cubic antiferromagnetic materials. p. 501
Esin, V.O. - Crystallographic orientation of dendrites and texture in the columnar zone of a high purity tin ingot. p. 509.
Leont'ev, B.A. - Theory of transformations of undercooled austenite. p. 516
Bogacheva, G.N., Schastlivtsev, V.M. - Structural heredity in steel. p. 521.
Varin, N.I., Litvin, B.N. - Investigating Mg-Mn and Mg-Zr alloys obtained during quenching from melts. p. 526
Burov, L.M., Varich, N.I. - Thermal expansion of Al-Mn and Al-Cr alloys. p. 530
Levin, IA.N., Ivantsov, G.I. - Determining the relation of interphase energies in the system copper - iron. p. 535
Bolko, B.T., and others. - Comparing the degrees of disorientation of separately reflecting regions in thin vacuum condensates and solid specimens of aluminum. p. 540.
Bogachev, I.N., Egolaev, V.F., Malinov, L.S. - Stabilization of γ—ε transformations during recurrent phase transitions. p. 544
Gruzin, P.L., Mural', V.V. - Investigating the diffusion of phosphorus in iron by the radiometric method. p. 551.
Pines, B.IA. - Kinetics of sintering in the solid phase. p. 557.
Palatnik, L.S., Tomenko, IU.S. - Mechanical character of temper brittleness in structural steels. p. 567
Panin, V.E., and others. - Suzuki atmospheres and their contribution to the hardening of hard alloys. p. 574.
Butkevich, L.M., Makogon, M.B., Osnikhovskii, V.E. - Effect of external stresses during the annealing of cold-worked L62 brass on its mechanical properties. p. 583.
Gur'ev, A.V., Kuksa, L.V. - A peculiarity of steel deformation in the yield area following strain hardening. p. 589.
Bogachev, I.N., Litvinov, V.S., Mints, R.I. - Characteristics of the plastic deformation of austenitic manganese and nickel alloys. p. 596.
Korchunov, B.N., Smirnov, B.I. - Effect of grain size on the curves of iron deformation at various temperatures. p. 603.
Gel'd, P.V., and others. - Interaction of the parameters of hydrogen absorption by precipitation-hardened austenite. p. 610.
Klotsman, S.M., Timofeev, A.N., Trakhtenberg, I.Sh. - Intercrystallite electric transfer of silver in copper. p. 611
Kovenskii, I.I. - Diffusion of carbon in its solid solutions on an iron group metal base. p. 613.
Zaikova, V.A., Shur, IA.S. - Dependence of the curves of magnetostriction in silicon iron on the state of the crystal structure. p. 614.
Orlov, L.G., Utevskii, L.M. - Microtwins in iron deformed at low temperatures. p. 617.
Kalinovich, D.F., Kovenskii, I.I., Smolin, M.D. - Diffusion of the components of an iron-chromium alloy in a broad range of composition. p. 619.
Agapova, E.V. - Connection between grain size with its crystallographic orientation in cold-rolled transformer steel. p. 620.
Poniatovskii, E.G. - Phase transformations in an alloy containing 50 atomic % Bi-50 atomic % Sn at high isostatic pressures. p. 622.
Borisov, B.S., and others. - Volt-ampere characteristics of bismuth at low temperatures in a magnetic field. p. 624
Krishtal, M.A., Baranova, V.I. - Temperature dependence of vacancy concentration in iron-chromium, iron-molybdenum alloys. p. 626
Shashkov, O.D., Buinov, N.N. - X-ray scattering by an aging alloy crystal taking into account the transistion layer between the Guinier-Preston zone and the matrix. p. 628
Kirenskii, L.V., Shlanskii, N.M., Rodichev, A.M. - The Barkhausen effect at the approach of the hysteresis loop to a rectangle. p. 630
Vishniakov, IA.D., Umanskii, IA.S. - Occurrence of oriented porosities in metal during hardening. p. 632.
Morgner, V., Avraamov, IU.S. - Low-temperature internal friction in pure iron. p. 635
Liubchenko, A.P., Sherman, D.G. - Absorptive character of changes in the aspect of ammonium chloride crystals under the effect of NH_4Cl. p. 636.
Smirnov, IU.N., Finkel', V.A. - X-ray study of a chromium structure at 40-725° C. p. 637
Konobeevskii, S.T., Indenbom, V.L. - Comparing microscopic and phenomenological creep theories. p. 639.
Terminasov, IU.S. - Third Interuniversity Conference on the Strength and Plasticity of Metals. p. 640.

LENINGRAD. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT TORFIANOI PROMYSHLENNOSTI. Moskovskii filial. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF THE PEAT INDUSTRY. Moscow Branch. Transactions]. No. 1, 1961.

Contents: Malkov, L.M., Pankratov, N.S. [Investigating the process of radiation-convective drying of granulated and lump peat] Issledovanie protsessa radiatsionno-konvektivnoi sushki granulirovannogo i kuskovogo torfa. 215 p.

*LITEINOE PROIZVODSTVO [FOUNDRY PRACTICE]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, no. 10, Oct. 1963.

Table of contents translated:

Tkachenko, K.M., Rovnova, V.D. - Molding materials for precision casting. p. 1.
IAzovskikh, I.M., Bukin, IU.A., Gorbachev, I.M. - Effect of deoxidizers on the mechanical properties of low-alloy steel. p. 3.
Orlianskii, IA.G., TSarevskii, B.V., Popel', S.I. - Effect of deoxidizers on the surface finish of carbon steel castings. p. 4.
Kanevskaia, S., and others. - Introduction of a rapid drying SM-1 binder. p. 5.
Averbukh, N.I. - Technology of casting gear wheels. p. 6.
Vasil'ev, N.D. - Technology of casting steel runners for the Bratsk Hydroelectric Power Station. p. 8.
Smolikov, A.N., Shtian, V.G. - Avoiding defects in cast iron pipe. p. 10.
Anidalov, M.P., Ladyzhenskii, B.N. - Organizing the operation of electric melting furnaces in mass production foundries. p. 11.
Brilukh, M.M., Gorfinkel', V.M. - Cupolas in U.S.S.R. foundries and ways to improve them. p. 13.
Soltyk, V.IA., Klibus, A.V. - Automatic regulation of the blast. p. 15.
Gol'tsman, V.I. - Testing rotary ball checker chambers. p. 16.
Ivakhnenko, M.M. - Stabilizing the use of liquid metal by weight. p. 17.
Plekhov, I.M., Ustinov, V.F., Gulevich, A.L. - Centralized feed of carbon dioxide and air mixtures. p. 19.
Gorbul'skii, G.F., Kogan, L.B. - Effect of the wall thickness of permanent cast iron molds on their durability. p. 20.
Voloshchenko, M.V., Litovka, V.I. - Phosphide eutectics in magnesium cast iron. p. 22.
Tavadze, F.N., Ebanoidze, D.D. - Diffusion of lithium in cast iron and phenomena accompanying it. p. 26.
Malinochka, IA.N. - Certain general problems of crystallization and microliquation in alloys. p. 29.
Kalenov, V.P. - Processes in alloys in the solidification range. p. 31.
Ponomarenko, E.P. - Heterogeneity of a Br.AZh9-4 heat affected zone near the joining of bimetal bearings. p. 33.
Kuksin, A.S. - Effect of the technology of casting on the length of the columnar crystal zone in the UNDK 25BA alloy. p. 34.
Vagin, V.V., Traube, B.M. - Control of the bed charge height in cupola furnaces. p. 37.
Sazontov, V.I., Gaiderov, V.E. - Using sand beddings in making larger castings. p. 37.
Bogdanovskii, S.S., Denisova, Z.I. - Fillers for large and medium cores. p. 38.
Gaisin, B.M., Grozov, D.P., Kovshov, V.M. - Heat insulating perlite shells for riser heads on steel castings. p. 39.
Pankin, P.I. - Rapid-drying mold wash. p. 38.

Bulik, M.A., Kuz'menko, A.F. - Equipment for the preparation of clay suspensions. p.39.
Tsiklishev, I.B. - Packed linings of steel pouring ladles. p.39.
Logunov, I.Z. - Chill drum for casting core skeletons. p.39.
Palyshev, A.I., Fedorov, V.A. - Shrinkage of permanent molds in the process of their manufacture. p.40.
IAnovskii, A.M. - Changeable date marks for chill casting. p.40.
Romanov, V.B. - Dimensions and taper of core prints in shell molds. p.41.
Makarenko, S.F. - Efficiency of using magnesium for the production of cast iron with spheroidal graphite. p.41.
TSelulko, N.I., and others. - Annealing malleable cast iron without packing. p.42.
Vedenikov, IU.A., Rublyov, F.E., Tushez, G.N. - Correcting casting defects by epoxy resins. p.43.
Kaskin, G.I. - New block for changeable die sets in die casting. p.43.
Kontorovich, E.Kh. - Die casting of stator iron packs without previous joining. p.44.
Shundrenko, G.I., Gridin, A.D., Drobiazin, V.N. - Centrifugal casting of large nonferrous alloy ingots. p.15.
Parkin, P.I. - Industrial sampling for the rapid determination of the degree of gas saturation of liquid nonferrous alloys. p.45.
New method of making precision molds. p.46.
Vygodskii, L.A. - In connection with B.D.Knorre and A.D.Poltsev's article "Standard type of centralized enterprise on the production and treatment of molding materials." p.47.
Korostelev, S.F. - Letter to the editor. p.47.
Mikhov, A.A., Zhmavlev, V.L. - Letter to the editor. p.47.
New books on founding. p.48.

METALLURG [METALLURGIST]. Issued by Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, Vol. 8, no. 10, Oct. 1963.

Table of contents translated:

The elite of builders of communism. p.1.
Freidin, L.M., Rudakov, L.M., Gorshtein, I.I. - Sintering with a various amount of anthracite dust in the fuel. p.3.
Volovik, G.A., Polovchenko, I.G., Chechulo, A.N. - Conditions of tapping the smelting products and the desulfuration processes in the furnace. p.4.
Dalmatov, V.A., Glovatskii, A.B. - Desulfuration of pig iron in the ladle. p.8.
Dikalov, A.I., Leonova, A.V., Storozhik, D.A. - Increasing the durability of the charging equipment. p.10.
Gubovskii, A. - Improve the operation of superhigh capacity blast furnaces. p.12.
Podyuglin, I.E. - Treating open-hearth furnace steel in the ladle with liquid synthetic slag. p.14.
Vasil'ev, A.N., Bogachev, S.I. - Rapid pouring of rimmed steel. p.16
Zin'kovskii, M.M. - Preventing metal and slag ejections from converters. p.16.
Kulachko, I.G. - Increasing the durability of steel tapping spout linings. p.18.
Iakhlik, A. - Laying the brickwork of open-hearth and electric steel smelting furnaces of dolomite blocks. p.10.
Plotkin, G.V. - Apply in production everything new, created in work. p.20.
Slutkin, M. - The beacon is shining brightly. p.22.
Kovtushenko, A.T., and others. - Radio-frequency welding of straight-seam tubes on the 6-32 machine. p.24.
Rozenfel'd, N. - Mastering the production of economical types of welded pipe. p.26.
Kudrin, E.A., and others. - Redesign of ceramic soaking pit recuperators. p.29.
Nikolenko, A.V. - Durability of long mandrels in continuous pipe mill operation. p.31.
Doneta, V.I. - New method of drying coils of wire. p.32.
Afanasenko, V. - Young foreman. p.33.
Izmailov, A., Bolotsenkovskii, L. - Work experience of the commission on labor protection. p.34.
Ishmatov, A. - Required by life. p.35.
IAkovlev, V.B. - Stages in the development of world converter practices. p.38.
New books. p.39.

Vol.8, no.11, Nov. 1963.

Table of contents translated:

IUpko, L.D. - Men who are the creators of technological progress. p.1.
Pritykin, D.P. - Modernizing the equipment of a sintering plant. p.4.
Bolkunov, E., Volovik, A. - Improving the smelting of converter pig iron. p.7.
Katsnel'son, M.A. - Blast furnace operation. p.10.
Guiskii, G.L., Trubetskov, K.M. - Increasing the output of open-hearth furnaces. p.13.
Efimov, E.A., and others. - Rapid top pouring of rimmed steel into ribbed ingot molds. p.17
Koval'chuk, E.I. - Service life of refractories in open-hearth furnace plants. p.19.
Mossakovskaia, R. - Steelmaker. p.21.
Dolmatov, F.M., Evtushenko, F.A., Zagorul'ko, IU.V. - Redesign of slabbing mills and an increase in the production of slabs. p.22.
Borisenko, V.G. - Production of large-size transformer sheets. p.24.
Naidenov, A.A., Gamershtein, V.A. - Expanding the production of cold-bent rolled shapes. p.25.
Rudin, M.I., Komanovskii, A.Z., Troshchenkov, N.A. - Redesign of the 1680 continuous cold rolling mill. p.28.
Komanovskii, A. - If you are an engineer.... p.30
IAnchuk, N. - Man with a probing mind. p.31.
Vinanovskii, V.V., Podgorodetskii, A.A. - Improving the quality of the delivered product. p.32
Bermant, E.E., Vasil'chenko, V.S. - Organizing the production control in plants. p.34.
Zlobinskii, S. - Planning production costs. p.35.
Litvinenko, V. - Volunteer forms of work in plants. p.35.
Alekseandi Vasil'evich Leskov, an obituary. p.37
Top metallurgist of the Soviet Union p.38.

MOSCOW, TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT CHERNOI METALLURGII. Sbornik trudov [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF FERROUS METALLURGY. Papers]. No.32, 1963.
Novye metody ispytanii metallov. Pt.2. Metallograficheskie issledovaniia i mekhanicheskie ispytaniia metallov [New methods of metal testing. Pt.2: Metallography and the mechanical testing of metals].

Table of contents translated:

Vinograd, M.I., Gromova, G.P. - Effect of inclusions on the plasticity of steel at high temperatures. p.5.
Kiseleva, S.A., Apolovnikova, L.G. - Classification of inclusions according to standard scales. p.22.
Smirnova, A.V. - Method of studying disperse phases by electron microscopy. p.25.
Pavperova, I.A. - Defects in the macrostructure of vacuum-produced ball-bearing steel. p.36.
Molotilov, B.V. - Metallographic methods of revealing dislocations in iron and nickel-base alloys. p.43.
Krasnova, A.K., Smirnova, A.V., Volkova, L.A. - Methods of revealing the actual austenite grain in steel. p.51.
Bulat, S.I. - Methods of investigating the temperature distribution in the cross section of slabs being heated for rolling. p.56.
Posysaeva, L.I. - Nonmetallic inclusions in high-chromium steel. p.59.
Akimova, E.I., Lapotyshkin, N.M., Leites, A.V. - Determining the crystallization front by the distance between dendrite axes. p.72.
Ryl'nikova, A.G., Lebedeva, S.B. - Petrographic study of the anodic deposits of nonmetallic inclusions subjected to a special treatment. p.75.
Mokhir, E.D. - Aluminosilicate inclusions in steel. p.83.
Molotilov, B.V. - Methods of investigating the magnetic microstructure of alloys. p.91.
Gromova, G.P., Zhurenkov, P.M., Likhnova, I.V. - Revealing the primary structure of steel by the color metallography method. p.100.
Zimina, L.N., IAkovleva, E.F., Zharkova, D.N. - Carbide analysis of a cast chromium-nickel base alloy. p.103.
Litvinenko, D.A. - Corner templets for studying the skin zone of an ingot. p.111.
Kiseleva, S.A., Rybakova, V.IA. - Metallography of the boundary layer in a bimetal. p.114.
Kokorin, G.A. - Revealing the microstructure of a metal by the electric deposition of another metal. p.118.
Apolovnikova, L.G. - Comparing methods of magnetic metallography. p.124.
Kokorin, G.A. - Methods of revealing the substructure of armco iron by electron microscopy. p.129.
Kostogonov, V.G. - Determining small contents of austenite of alpha-phase on a URS-501 diffractometer. p.134.
Korolev, N.V., and others. - Investigating nonmetallic inclusions by the microspectral method. p.138.
Maslenkov, S.B. - X-ray microspectroscopy methods. p.142.
Timoshuk, L.T., Savilova, T.P., Nistratov, N.I. - Repeated tensile impact testing of steel. p.146.
Timoshuk, L.T., Smolina, V.I. - Methods of studying the effect of vibration and its frequency on the stress-rupture strength of heat-resistant alloys. p.155.
Ovsiannikov, B.M., and others. - Testing of high-melting metals and alloys for stress-rupture strength at temperatures up to 1800° C. p.164.
Kurganova, E.A., Nistratov, N.I., Ermoliuk, L.A. - Evaluating the industrial plasticity of a metal by torsion of the specimen at high temperatures. p.175.
Zoteev, V.S., Timoshuk, L.T. - Dynamic errors in the measurement of stress applied to a specimen during fatigue testing on a 300/600-ton hydraulic pulsator. p.182.
Krasil'nikov, L.A., Sokolov, N.V., Lysenko, A.G. - Determining stress relaxation in wire rope strands used for prestressing of reinforcements. p.192.
Timoshuk, L.T., Kurganova, E.A. - Steel testing for static tension and torsion. p.196.
Galimkhanov, K.G., Kuvshinov, IU.A., Sokolov, N.V. - Methods and equipment for the determination of the technical elasticity limit of thin spring wire under the effect of torsion. p.205.

MOSCOW, VSESOIUZNYI NAUCHNO ISSLEDOVATEL'SKII INSTITUT AVTOGENNOI OBRABOTKI METALLOV. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF AUTOGENOUS WORKING OF METALS. Transactions] No 9, 1963. Kislorodnaia i gazoelektricheskaia rezka, gazopitanie, metallizatsiia [Oxygen and gas-electric cutting, gas supply]

Table of contents translated:

Kurlovich, IU.V. - Calculating the control characteristics of an amplitude-type photocopying system. p.3.
Spektor, O.Sh., Asinovskaia, G.A. - Studying the nature and conditions of changes in the structure and chemical composition of St.3 steel at the surface of a cut. p.19.
Nechaev, V.D. - Calculating proportioning channels and nozzles for the flame cutting equipment operating on acetylene and substitute gases. p.33.
Asinovskaia, G.A. - Effect of nickel on the process of the formation of a diffusive layer at the boundary of silicon brass fusion with steel. p.57.
Vasil'ev, K.V., Shapiro, I.S. - Principles of the mechanization of air-arc cutting. p.65.
Shapiro, I.S. - Possibility of the oxygen cutting of metals without a gas-flame preheating. p.73.
Vasil'ev, K.V. - Gas-electric cutting terminology. p.85.
Morozov, M.E. - Heat exchange in the spray gun of a gas metallizing apparatus. p.100.
Strizhevskii, I.I., Tesmenitskii, D.I. - Flame extinction in dry ceramic-metal seals. p.111.
Kal'manovich, S.P., Strizhevskii, I.I. - Acetylene purification by liquid nitric acid. p.124.

NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ASBESTOVOI PROMYSHLENNOSTI. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF THE ASBESTOS INDUSTRY. Transactions]. Moscow, no.2, 1962

Table of contents translated

Belov, M.A. - Efficiency and methods of averaging the quality of asbestos ores. p.3.
Sofronov, F.P. - Studying the establishments of norms of developed reserves for the open pit mining of Bazhenovo asbestos deposits p.30.
Kravtsov, A.Z. - Investigating the degree of laboriousness in conducting mining operations at the "Sibasbest" Trust mines. p.70.
Miuller, E.K., Smirnova, L.IA., Erofeev, A.I. - New machines for the treatment of asbestos. p.88.
Makhnev, S.G., Argunov, E.I., Islamkulov, A.M. - Metal detector for the control of asbestos ores. p.110.
Pogadaeva, T.M., Argunov, E.I., Miakishev, V.K. - Developing and testing automatic control apparatuses for determining moisture in asbestos ores after drying. p.117.
Bakhtin, V.E., Panaev, V.N. - Mechanization and automatic control of the assaying of ores and tailings in asbestos ore dressing plants. p.127.

NOVOKUZNETSK. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII I PROEKTNO-KONSTRUKTORSKII INSTITUT DOBYCHI UGLIA GIDRAVLICHESKIM SPOSOBOM. Trudy [ALL-UNION SCIENTIFIC RESEARCH AND DESIGN INSTITUTE FOR THE HYDRAULIC MINING OF COAL. Transactions]. Issued jointly with Gornyi fakul'tet Sibirskogo metallurgicheskogo instituta [Mining Engineering Faculty of the Siberian Metallurgical Institute]. No.1, 1963.

Table of contents translated:

TSiapko, I.F. - Automating the high pressure hydraulic breaking-down of coal. p.3.
Pal'chikov, L.M. - Research on the weakening of coal seams in rock massifs in order to increase the efficiency of hydraulic mining. p.14.
Teodorovich, B.A., and others. - Sublevel hydraulic coal breaking system with powered collapsible metal supports and their mechanized assembly in the erection area. p.25.
Lavtsevich, V.P. - Parameters of combined blasting and hydraulic mining operations with the use of deep boreholes. p.33.
Zhabin, G.I., Sal'nikov, V.R. - Shield method of hydraulic mining of steeply pitching seams p.42.
Zhabin, G.I. - Selecting an efficient position of cross holing in the seam thickness of support pillars. p.49.
Ivanushkin, V.G. - Selecting a method of extracting flat seams in hydraulic mining depending on the size of the caved rock p.55.

Gubin, V V - Classification and the future of certain flow sheets of manless coal mining. p 58
Kiselev, V G , Kuptin, A I - Possible flow sheets for the mining of inclined and steeply pitching seams using gravity haulage p 64
Vershinin, P P - Characteristics of the design and calculation of self-operating coal suction pumps for hydraulic mines p 69
Tat'kov, V A , IUrin, P I - Using capron for coal suction pumping machinery elements and the technology of their manufacture p 81
Lapaev, V.S. - Theoretical head of centrifugal coal suction pumps p 90
Medvedkov, V I - Hydraulic turbine in machines for underground hydraulic mining. p 101
Vershinin, P P - Investigating the performance of water ring vacuum pumps by means of high-speed motion picture photography p 117

*OGNEUPORY [REFRACTORIES] Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol 28, no. 11, 1963
Table of contents translated
Preparing for the plenary session of the Central Committee of the CPSU. p. 481
Reznikov, L.N - The Yama Dolomite Combine is 50 years old. p. 485.
Butenko, V.A., and others. - Highly refractory VTsZ cement p. 486.
Aleksandrova, T.A., and others. - Forsterite refractories from Shorrha dunites. p. 493.
Sapunov, G.I., Semik, V V., Rolak, L. F. - Automatic photoelectronic scales. p. 495
Dolgina, G. Z., Markevich, E. P. - Dolomites from the Karn-Bau deposit. p. 498.
TSigler, V.D., Vinokur, S B., Mitrokhina, N S. - Service of forsterite lightweight bricks in the lining of furnace cars. p. 504.
Koval'skaia, K V , Manuilova, N.S., Murzova, L.I. - Laboratory investigation and testing of refractories in electric furnaces. p. 508.
Duderov, I.G., Polubolarinov, D.N. - Effect of porosity and structure of corundum refractories on their heat conductivity. p. 518.
Klein, A.L., TSikarev, V.G. - Determining the fusion point of hearth bottom fritting and ramming materials in basic open-hearth furnaces. p. 525.
Mamykin, P.S - About I.S. Kainarskii and E.V. Degtiareva's book "Carborundum refractories" pp. 528, 3 of cover.

Vol. 28, no. 12, 1963.
Table of contents translated:
Full use of all industrial potentialities. p. 529.
Pasternak, Z.B., Pirogova, V.N. - Refractories industry workers contribute to the expansion of chemical industries. p. 535.
Biysov, V.I. - Committee on ferrous and nonferrous metallurgy in the State Planning Commission of the U.S.S.R. p. 536.
Shvartsman, I.Sh., and others. - Stoppers and nozzles from Ural Mountain raw materials. p. 538.
Simkin, V.I. - Industrial design solutions for lightweight grog products with burning-out additives. p. 543.
Sidorenko, N A. - Production of stopper tubes by the stiff mud press method. p. 546.
Uteush, Z.V., and others. - Automatic control of the ball mill grinding process. p. 547.
Dolgina, G. Z., Markevich, E. P. - Stabilized magnesite-dolomite bricks in converter linings. p. 553.
Guzman, I.IA., Morozova, V.S. - Foamed carborundum and its properties. p. 558.
Shurygin, P.M., Boronenkov, B.N. - Kinetics of the interaction of the oxides of magnesium, silicon, and aluminum with melts of the ternary system $CaO - SiO_2 - Al_2O_3$. p. 561.
Kalbicheva, M.N. - Character of chrome spinel grain failure in the slag belt of electric arc furnaces. p. 565.
Vas'kovskii, T.I., Burnina, E.I. - Use of gas producer tar. p. 569.
Mil'shenko, R.S., Karas', G.E. - Rapid complexometric method of separate determination of Fe_2O_3 and Al_2O_3 in refractory materials. p. 570.

REFERATIVNYI ZHURNAL: GORNOE DELO [JOURNAL OF ABSTRACTS: MINING]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 11, Nov. 1963.

*REFERATIVNYI ZHURNAL: METALLURGIIA [JOURNAL OF ABSTRACTS: METALLURGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 11, Nov. 1963.
Predmetnyi ukazatel' za 1962 g. [Subject Index for 1962], publ. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, chernaia metallurgiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Ferrous Metallurgy]. Moscow, vol. 6, no 10, 1963.
Table of contents translated
Shurygin, P.M., Shantarin, V D. - Metal diffusion in iron-carbon melts. p. 5.
Vlasov, V G , Lisniak, S S - Effect of briquetting on the kinetic characteristics of magnetite reduction by graphite. p. 12
Griakov, P.N , Gruzmen, V K - Permeability of spherical and irregularly shaped lump materials p. 18
IAroshenko, IU G , Bazilevich, S V , Bratchikov, S G - Method of heat calculations in the roasting of fluxed nodules. p. 22
Livshits, B A , Vasil'ev, G S - Changes in the microhardness of basic minerals in iron ore sinters. p. 30.
Vlasov, N.N , Umrikhin, P.V. - Addition of chromium to steel before deoxidation by a preliminary increase of chromium oxide in the slag. p. 32
Konovalov, V S., and others - The role of nonmetallic inclusions on the formation of internal laps in pipe. p. 37
Levin, E S , Kurochkin, K.T., Umrikhin, P V - Effect of certain factors on the kinetics of hydrogen removal from liquid steel during its vacuuming. p. 43
Nikitin, B.M., Chuiko, N.M - Effect of slag composition on the pattern of a phase current oscillogram and the voltage of a steel smelting arc furnace p. 52.
Kurochkin, K.T., Suchil'nikov, S I., Baum, B.A. - Vacuum treatment of liquid aluminothermic chromium. p. 58.
Sofolov, L.D. - Resistance to deformation of carbon steels p. 62.
Bolashinov, M I., Shulaev, I P - Investigating high-speed rolling on continuous 630 and 720 billet mills. p. 69.
Zaikov, M A., and others - Investigating conditions of rolling on three-high billet mills p. 74
Prourzin, V K - Reducing certain formulas to standard forms for the determination of free widening during the rolling process p. 84.
Shvetkin, V V., Bisk, M B - Determination of the maximum reduction in pipe drawing. p. 88.
Fukel', V.M., Zratchenko, V.A , Delashkina, T.K. - Characteristics of cementite decomposition in hypereutectoid steel. p. 95
Gul', IU P., Pasal'skii, V.M. - Nature of coercive force changes during the aging of hardened low-carbon steel. p. 101.
Kedrin, I.D. - Substructure of annealed stainless steel. p. 105
Shadrunova, A.P. - Using the thermoelectromotive force method for the study of the temper brittleness in steel. p. 109.
Khlestov, V.M , Zubarev, V.F., Leont'ev, B.A. - Effect of zirconium on the stability of austenite and the hardenability of 35KhG, 35KhGR and 35KhGB steels p 113.
Gridina, IU.V , and others - Alloyed steel rails p. 120
Riabtsev, S I , Petergerla, D.M. - Investigating the fatigue strength of D1-1 and Kh17N2 steels. p. 125
Grdina, IU.V., and others - Inoculation of rail steel. p. 129.
Khrapov, A.IA., Bedarev, V.I. - Effect of ferrosilicon additions on the crystallization of magnesium cast iron p. 134
Listenko, V.G , and others - Results of research on the efficiency of a mazut flame jet. p 139.
Gol'dfarb, E.M - Applying the method of instantaneous uniform conditions to problems of heat conductivity in multilayer solids. p. 149.
Oreshkin, P.T. - Theory of the electric conductivity of refractories. p. 162.
Grebenik, V.M., Tatarinkov, V V. - Effect of the curvature radius at the base of a saw tooth and the material of which it is made on the durability of circular saws for hot metal cutting p. 169.
Storozhik, D.A. - Preventing the wear of the generatrix of large bells in blast furnaces. p. 178.
Markman, N.E. - Reduction of a concentric layer of wires in a strand to the conventional. p. 181.
Kobyliakov, I.I. - Determining the coefficient of work rhythmicity in modern open-hearth furnace plants. p. 184.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, neft' i gaz [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Petroleum and Gas]. Moscow, vol. 4, no. 12, 1961.
Table of contents translated
Lotiev, B.K. - Genesis of the basic tectonic forms of Stavropol Territory. p. 3.
Brief news. pp. 8, 32, 36, 54, 72, 76, 102.
Timoshin, IU.V. - Grouping of seismic receivers at large stations. p. 9.
Reikhman, I R - Outlook for finding stratigraphic-type oil and gas pools in the lower section of the productive formation of the Apsheron Peninsula. p. 15.
Dumushkian, A.G. - Origin of mud volcanoes in the light of recent data. p. 21.
Khalafova, R A - Conditions of contact of the Upper Cretaceous with underlying sediments in the northwestern Nakhichevan A.S.S R p. 27
Kasimov, I F., Shakhbazbekov, K.B. - Designing drill columns for operation in inclined wells. p. 33
Leonidov, V.I., Zhigach, K F., Mukhin, L. K. - Drilling wells for oil under the complex geological conditions of Turkmenia p. 37.
Kuliev, S M , and others. - Relative efficiency of drilling methods in Karadag. p 43
Gulizade, M.P., Makhmudov, D.M. - Determining the increase in the angle and azimuth of deflection of inclined wells in drilling without a deflector p 49
Seid, Rza, M.K., Sadykhov, B.O , Faradzhev, T G - Spontaneous hydraulic fracturing in flushing and cementing casing columns. p. 55.
Gimatudinov, Sh.K., Murav'ev, I.M., Evgen'ev, A E. - Flooding oil from nonuniform porous media with waters having various compositions. p 61
Stradymov, P.K., Smirnov, V.N. - Nonsteady movement of marginal and bottom waters in creating and exploiting underground gas reservoirs in water-bearing formations with an elastic drive. p. 65.
Shchelkachev, V.N. - Estimating the error of a simple approximative formula for calculating the amount of fluid recovered from a layer. p. 73.
Kudinashev, L.I., Syrkev, M.IA., TSererin, V.A - More exact design equations for gas pipelines by the method of successive approximations p. 77.
Aslanov, S.K - Flow of fluid with varying viscosity in a round pipeline. p. 83.
Khamdi, A.M., Molokanov, IU.K., Skoblo, A.I. - Amount of the initial flow of liquid over a weir downcomer p. 89
Agaev, A A - Separation of ammonium salts of naphthenic acids from oil in an electrical field p. 95
Panchenkov, G.M., and others. - Radio-thermal cracking of gas oil of Romashkino petroleum. p 99.
Aliev, T M., and others. - Inductive transducer for dynamometry in oil wells. p. 103.
Kislik, V.A., Shlykov, V I. - Machine for testing specimens for wear with a reciprocating motion. p 109
Tochilov, V.I - Further curtailment of losses of petroleum products contained in sewages of Baku petroleum refineries. p. 113.
Kostin, K.V. - Recent data on the use of petroleum in Russia in the beginning of the 18th century p. 117.
List of articles published in 1961. p. 121

TORFIANAIA PROMYSHLENNOST' [PEAT INDUSTRY] Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and Gosudarstvennyi komitet Soveta Ministrov RSFSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the State Committee of the Council of Ministers of the R.S.F.S.R. for the Coordination of Research]. Moscow, vol. 40, no. 7, 1963
Table of contents translated:
Matveev, A M. - Let's mark the 46th anniversary of the Great Socialist October Revolution with labor achievements. p. 1.
Mel'nikov, N.V - Opening address at the International Congress on Peat. p. 4.
Troitskii, G.V. - Address of the Asst. President of the Leningrad City Council. p. 9.
Resolution of the International Congress on Peat. p. 9.
Address of the participants of the International Congress on Peat to all scientists and specialists working in the field of the winning, processing and complete utilization of peat and peat deposits. p. 10.
IAmpol'skii, A.L., Pisariuk, L.P. - Methods for determining the degree of mechanization in the peat industry. p. 12.
Krupitskii, K.L. - Promising plan of over-all mechanization in the peat industry of the Latvian S.S.R. p. 15.
Bogorodskii, I.S. - Cleaning of milled peat from impurities in electric power stations. p. 18.
Churaev, N.V. - Qualitative characteristics of raw peat. p. 19.
Konovalov, E.A - Methods for calculating the compression and settling of peat bogs in drying. p. 24.
Froishteter, G.B. - Increasing the operative efficiency of the pneumatic steam-and-water dryers in peat briquet plants. p. 27.
Bulynko, M.G - Methods for determining the water-absorbing properties of peat litter. p. 30.
Gorinskii, V.N. - Use of pipe drainage in the Netherlands. p. 32.
Kuluzov, L.G., and others. - Exchange of practices by the enterprises of economic councils. p. 34

Brief news. p.39
Bibliography. p.40.

IZVESTIYE METALLY [NONFERROUS METALS] Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol 36, no 10, Oct, 1963

Table of contents translated

Volchanov, A.A - The complete utilization of raw materials in nonferrous metallurgy is the basis for a rapid increase in the production of mineral fertilizers. p 1.

TSvetkov, K.S - Prospects for the use of ore dressing in heavy suspensions in mining enterprises of the Central Asiatic Economic Region p 6

Shanusiev, S.M., Seniavin, M.M - Molybdenum recovery by ion exchange p.8.

Lanshits, A.K., Shubov, L.IA - Reagents in the flotation of copper precipitate p 11

Klassen, V.I., Litovko, V.I., Miasnikov, N.F - Improving the physicomechanical properties of ferrosilicon suspensions with the help of reagents p 17

Ushakov, K.I., Volynskaia, M.A., Blinova, L.A. - Pelletizing oxidized nickel ores p 21

Kolesanov, F.F., Fedorov, E.K., Konareva, A.S - Roasting oxidized nickel ore pellets in gas p 26

Egorov, F.G., Bykhovskii, IU.A., Bochkarev, L.M - Stoichiometric and heat calculations in the oxygen-enriched smelting of copper sulfide concentrates p 30.

Krichevskii, G.IA., Korsunskii, V.I., Denisova, I.A - Waste heat utilization in the roasting of granulated copper-zinc charge mixtures in a fluidized bed p.35

Shramko, I.B - Complete automation of tubular rotary kilns p.41

Berger, A.S - Composition of the solid phase and the role of sodium in the β-$2CaO{\cdot}SiO_2$ interaction with sodium aluminate solutions p.50

Vydrevich, E.Z., Zaitseva, M.A., Orlova, A.N. - Diagrams for determining the density of aluminate sodium-alkali solutions p.56

Goncharenko, A.S - Effect of certain factors on the electrodeposition of molybdenum compounds from aqueous solutions. p.60

Pavlova, R.G. - High strength electroconductive copper alloys. p.64

Nysanbaev, G.N., Presniakov, A.A., Cherviakova, V.V. - Aging of lead α-brass. p 69.

Parusnikov, V.N., Natapova, R.I., Malikova, L.P. - Cleaning of hot-drawn tantalum wire from graphite lubrication p.73

Kondrashina, A.M., IAkovleva, Z.M - Securing tailing piles at the Tekeli ore dressing plant. p 77

Ermanek, M.Z., Skoblov, L.S - Analyzing formulas for the determination of forces needed for rod extrusion p 78.

Prikhnia, M.F., Tatueva, L.B - Using a polyacrylamide flocculant at the Tyrny Auz plant. p.81

Levin, A.I., Letskikh, E.S - Interuniversity conference on the electrodeposition of nonferrous metals. p.82

Starostin, IU.S. - Seminar on pipe drawing on a self-adjusting mandrel p.84

Scientific Technology Conference on the heat treatment of nonferrous metals p 85

Angelov, A.I., Nabiulin, IU.N - Review of N.F Olofinskii's book "Electric methods of ore dressing." p.88

Gazarian, L.M. - Pyrometallurgy of copper in foreign countries p.88

Pen'ko, A.S. - Filtration of roasting gases laden with zinc oxide dust through a glass fabric p 95

ZAVODSKAIA LABORATORIIA [THE FACTORY LABORATORY]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR and Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R., and the State Committee of the Council of Ministers of the U.S.S.R. for the Coordination of Research]. Moscow, vol.29, no.10, 1963.

Table of contents translated.

Basic problems involved in the development of the nondestructive methods of control p 1155.

Zarinskii, V.A., Gur'ev, I.A. - High-frequency method in organic analysis (survey) p.1157.

Zhukhovitskii, A.A., and others. - Chromatography without gas carriers. p 1162.

Mirzaianov, V.S., and others - Frontal-displacement method for concentrating poorly adsorbed impurities p.1166

Emelin, E.A., Smyslova, N.F., TSarfin, IA.A - Analysis of industrial samples of chlorendic anhydride by nonaqueous potentiometric titration p.1169.

Malyshev, A.I., Smirnov, O.K. - Analysis of the surface-active derivatives of alkenylsuccinic acid by titration in a nonaqueous medium p 1173

Emel'ianov, B.V., Smirnov, V.I., TSybkina, L.M - Analysis of the system NaCl - KCl - Na_2CO_3 - H_2O according to two properties p 1174

Dzhamaletdinova, M.K - Simultaneous microdetermination of carbon, hydrogen, and uranium p 1175.

Rzhezach, Z., Ditz, IU - Determination of small amounts of arsenic and antimony in germanium dioxide p 1176

Sokolovich, V.E - Rapid volumetric analysis of silicic acid in solutions of water glass p 1178

Pirutko, M.M - Chemical reactions taken place during the interaction of silicon with hydrofluoric and nitric acid p 1179

Gulieva, L.I., Vinogradova, A.P - Determination of sulfur in organic compounds by the pyrolytic tube method p.1180

Grebennik, V.S., Grebennik, I.L., Ermolot, I.N - Determination of the dimensions of defects by ultrasonic testing without standard samples p 1181

Raikhman, A.Z - Methods for measuring the dimensions of defects in welded joints p 1186

Rublev, IA.A., Danilov, IU.S - Ultrasonic detection of fatigue cracks during repeated static tests p 1188

Anikeev, IA.F. - Ultrasonic method for controlling weld seams in thin-walled tubes p 1191

IAkobson, A.M., Novitskii, F.N - Theoretical evaluation of the possibilities of the beta-intrascopy method p.1194

Nazarov, S.T. - X-ray spectroscopy of moving samples using electron-optical converters p 1198

Borovikov, A.S - Improvement of the method of luminescent defectoscopy p 1200

Novikov, I.I., Zolotarevskii, V.S - Determination of the relative lengthening of aluminum alloys in the temperature range of crystallization p.1202

Glazko, V.G., TSvetkov, V.P. - Determination of the content of magnetite in mixtures p 1204.

Krasnova, A.K., Smirnova, A.V., Bardina, I.P. - Reagent for detecting austenite grains p 1204

Malinin, N.I - Determination of the extent of crystallization of polymer films for their specific gravity p 1205

Kochnov, V.E - Determination of oriented grains in alpha-iron from etch figures p 1205

Maslov, V.N., and others. - Presentation of the results of investigation of the structural defects of germanium p 1206

Stepnov, M.N - Linear regression analysis of the results of fatigue testing of aluminum alloys p 1212

Khlopotov, O.D. - Plotting of empirical dependencies by the method of averaging p.1215

Berenshtein, L.E., Fal'kova, O.B. - Evaluating the accuracy and correctness of the methods for the determination of germanium and beryllium p 1217

Granovskii, IU.V., and others - Screening experiments in the study of separation of zirconium and hafnium by extraction with tributyl phosphate p 1220.

Petliuk, F.B., Platonov, V.M. - Solving a general problem of approximation by the method of steepest descents p.1221.

Balandin, IU.F - Time dependence of the resistance to thermal fatigue. p 1222.

Timoshuk, L.T., Nistratov, N.I. - Temperature-deformation rate factor in the evaluation of metal plasticity by the method of torsion. p 1225

Vorob'ev, A.Z., Gavrilova, E.A., Kuleshov, D.IA - Effect of the frequency of loading on the strength of aluminum alloys p 1228

Bershtein, V.A., Glikman, L.A - Effect of the type of the stressed state on the time dependence of the strength of polyester glass reinforced plastics. p.1230

Bellankin, F.P., Dybenko, G.I. - Effect of the rate of deformation and of the rate of loading on the strength of samples of various sizes of laminated plastics. p.1235.

Results of the discussion on the effect of time factors in mechanical tests. p.1240

Nekhendzi, E.IU. - Measurement of creep deformations at 700° C by means of strain gauges. p 1241

Savchenko, N.V. - Method of investigating the effect of low-melting coatings on the mechanical properties of steels under thermal cycling p.1247.

Drukova, I.N., Kurshev, V.V - Method of preparing specimens of high-strength steel for tensile tests. p.1248.

Shevchenko, A.A. - Technique of determining the stress-rupture strength and creep of glass plastics in a corrosive medium. p.1249

Berkovich, E.Š. - PMT-3 apparatus with a device for automatic control of loading. p.1250.

Kestel'man, N.IA., Kestel'man, V.N. - Apparatus for determining the hardness of plastic thin-layer coatings and bushings. p.1252.

Osipov, V.O. - Small-base tensometer. p.1253.

Bogoroditskii, V.V., Dobrotin, D.D., Khokhlov, G.P - Ultrasonic thickness gauge for controlling corroded surfaces p 1254

Chekhovskoi, V.IA., Sheindlin, A.E - Modified furnace of the TVV type with a tungsten heater for investigations at temperatures up to 2800° C p 1258

Otchenashenko, I.M., and others - Volume microdilatometer for investigating phase transitions p 1260

Liberov, IU.P. - Apparatus for determining small changes in the density of metals p 1261

Zheleztsov, V.A., Barsukova, N.F - Recording device for determining the optical distortions of a flat sheet glass p 1263

Braun, E.V., Iogansen, A.V - Check for the photometric scale of double-beam infrared apparatus p 1264

Zil'bershtein, Kh.I., and others - Rapid chemical concentration of silicon in the preparation of samples for spectral analysis p 1266

Bychkov, V.P., Khristianov, A.S - Thermogravimetric apparatus based on the TV-200 torsion balance p 1267

Shubochkin, L.K., Zaitsev, L.M - Apparatus for the simultaneous recording of the curves of heating and of changes in weight of a specimen with the use of a single batch p 1269

Il'in, N.M. - Controlling the operation of the ZhA-300 rectification column p 1271

Pogodin-Alekseev, G.I - Problem of "new" hardness numbers p 1272.

Dymov, A.M - New scale and table of atomic weights p 1275

Levin, E.E., Luk'ianovich, V.M - All-Union Conference on Electron Microscopy p 1276

Orlent, I.M - All-Union Conference on Nondestructive Methods of Control p 1277

Veselaia, G.N - Courses in mathematical methods p 1278

Shiriaev, A.N - "Methods of statistical consequent analysis and their applications" by A.E Basharinov, B.S Fleishman p 1279

New books on defectoscopy p 1280

Vol 29, no 11, 1963

Table of contents translated

Methods of concentration in analytical chemistry p.1279

Chernobrov, S.M - Development of the methods of ion exchange in the analytical chemistry of metals (survey) p 1281

Llalikov, IU.S., Madan, L.G., Bodai, V.I - Pulse polarography on solid electrodes p 1289

Tucv, G.V., Zaretskii, L.S - Phase polarography p 1291

Sharipov, R.K., Songina, O.A. - Electrochemical determination of molybdenum based on the catalytic oxidation of iodide by hydrogen peroxide p.1293

Ivanov, V.I., Korzh, P.D - Radiometric determination of iron in sulfide ore concentrates and agglomerates p 1296

Dubnikov, L.M., Kaliagin, I.A - Quantitative determination of fluorine in fluorine-containing organic substances. p 1298

Vitin, L.I., Bushinskaia, L.M., Dzhagatspanian, R.V - Analysis of methallyl chloride by gas-liquid chromatography. p 1301.

Likhachev, A.D - Chromatographic determination of carbon monoxide and oxygen in the products of fuel combustion p 1302

Davankov, A.B., Santo, I - Determination of the ion exchange capacity of ion exchangers by means of a high-frequency titrimeter p 1304

Kletenik, IU.B., Bykhovskaia, I.A. - Determination of iron by extraction with 2-ethylhexylphosphoric acids. p.1306

Zhdanova, M.V - Potentiometric determination of silver in photographic materials p.1307

Romantsova, G.I - Spectrophotometric determination of microimpurities in picric acid and dinitrophenols. p.1307.

Drozdov, N.S., Krylov, V.P - Use of 2-thiobarbituric and barbituric acids for the photometric control of autoxidation processes. p.1308

Nikitin, V.M., Skachkov, V.M. - Quantitative determination of epichlorohydrin p 1309

Grechishkin, V.S., Kiuntsel', I.A., Soifer, G.B - Use of nuclear quadrupole resonance for physicochemical analysis p 1310

Vashman, A.A. - Electron paramagnetic resonance in ceramics based on Al_2O_3 p 1315.

Il'ina, E.V. - Spectral analysis of lubricating and combustible materials (survey). p 1317.

Stefanenko, T.T - Spectral determination of carbon in case-hardened steels. p 1321.

Zil'bershtein, Kh.I., Nikitina, O.N - Effect of nitric acid on the results of the spectral analysis of solutions p.1323

Igitsyn, M.I., and others. - Noncontact measurement of the specific resistance of semiconductors p 1324

Fistul', V.I., Orzhevskii, O.B. - Nonprobe method for measuring the specific resistance of highly alloyed semiconductors p.1327.

Meier, A A - Use of light guides for photoelectric measurements on semiconductors p 1329
Turovskii, B.M , Lainer, L V - Detection of dislocations in silicon single crystals with low density dislocations p 1331
TSivinskii, S V , Stepanov, A V - Determination of the orientation of germanium crystals using an optical method p 1333
Galushka, A P , Litovchenko, P G , Ust'ianov, V.I. - Method of investigating the photoelectric properties of semiconductors p 1335
Fuks, G I , Nikolaeva, N.I - Determination of maximum shear stress by means of a conic plastometer of increased sensitivity p 1339
Cherkez, M B , Ordin, V P - Corrosion processes on metals undergoing passivation investigated by superposing anodic polarization p 1341
Nikitina, L P. - Durability of materials under stress relaxation p.1344
Nikitina, L P - Methods of relaxation testing p 1348
Getsov, L B. - Testing for relaxation at high temperatures. p 1352
Morozov, N D , TSeitlin, V Z - Determination of the relaxation characteristics of compression springs in testing a single spring p 1354
Borzdyka, A M - Processing the results of tests for stress relaxation in metals p 1357.
Serensen, S V , Kozlov, L A - Methods of fatigue testing at high temperatures p 1359
Kozlov, L A - Fatigue testing machines for reverse-bend test at elevated temperatures p 1366
Trus', A.M. - Automatic device for measuring stress relaxation in compression springs p 1372
Guzeev, V V , Malinskii, IU M - Apparatus for measuring stress relaxation of fibers p 1373
Diatlova, V P , Pomanskaia, M P., Akishina, R I - Devices for determining adhesive strength p 1375
Bugai, A A , Ruban, M A - Spectrometer for studying electron paramagnetic resonance in solids at low temperatures p.1376
Filippov, A P - Use of the IKS-12 spectrometer for investigating spectra of gases p 1379
Borzov, V P - Selecting the operating conditions of an alternating current arc for solving certain analytical problems p 1380.
Bezirganian, P A , Zazian, Z F., Avundzhian, V I - Bent crystals with two radii of curvature of reflecting planes. p 1382
TSygan, V.T., Fomin, V.G , Gurevich, M.A. - Attachment to the GUR-3 X-ray goniometer for operation in the regime of a biprism spectrometer p.1383
Rybailo, O I , Kushta, G.P - Sample holder for a KROS-type X-ray camera p 1385
Orlov, L G - Device for the deformation of an object in the UEMB-100 electron microscope. p 1386
Kaganer, M.G - Device for determining the structure of porous bodies by the method of mercury impregnation under pressure p.1387.
Lopatin, B A. - Attachment to the EPP-09 electronic device for measuring and recording changes of e.m f and electric conductivity. p.1388
Pchelin, V A., Gubernieva, L.M - High-voltage three-camera electrodialysis apparatus based on countercurrent principles p 1390
Nevinskii, A.A., Belen'kii, B.G. - Spectrofluorimeter for the visible region of the spectrum. p.1391.
Chesunov, V M - Device for introducing samples of viscous solutions of polymers into chromatograph p.1392
Goreva, E.I , Kulik, S I., Leuta, T M - Operating experience with the DFS-10 photoelectric apparatus at the "Dneprospetsstal'" plant. p 1393.
[illegible] P. - Use of the FES-1 [illegible] the Chelyabinsk [illegible]
[illegible] pparatus for [illegible] perties of semi-

Dedkov, IU M. - Conference on the methods for concentrating elements in analytical chemistry p.1399.
Bogomolov, S G., Gudkina, R.I , Shaevich, A.B - Ural Conference on Spectroscopy. p.1400.
New reagent for beryllium. p 1401
Rubinshtein, R.N. - "Physical chemistry" by A.A Zhukhovitskii, L.A Shvartsman. p.1402.
Ponomarev, A.I., Lapchinskaia, L.L. - "Technical analysis in metallurgy" by P.IA. IAkovlev, E F. IAkovleva. p.1402.
Publications of patents. p.1404.

17. MILITARY & NAVAL SCIENCES

a MILITARY SCIENCE

KOMMUNIST VOORUZHENNYKH SIL [COMMUNIST OF THE ARMED FORCES]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 4, no. 23, Dec. 1963.

Table of contents translated:

Editorial: To new progress in service and training. p.3.
Grinishin, D., Sinenko, I. - Development of Lennist principles in military buildup in the program of the CPSU. p.8.
Kazakov, M. - Daily attention to leadership training of officers. p.17.
Stukalov, V. - Arm political workers with profound technical military skills. p.21.
Ditkii, G. - For model observance of regulations on a ship. p.30.
Khotochkin, A. - The strength of the party leader is in connection with the masses. p.36.
The great harvest of Stavropol is for the homeland. p.42.
Grudinin, I. - Individual and general in military affairs. p.46.
Komarov, S. - The word does not differ from the deed. p.53.
Matveev, G. - Decisively suppress conventionality and oversimplification. p.55.
Utekhin, S. - For the purpose of propaganda of advanced experience. p.57.
Koval', A. - National property is your property. p.59.
Podoprigora, F. - Ability to convince. p.64.
Bol'shakov, M. - The moral code for the builder of communism is the law of life for the Soviet soldier. p.71.
Semiokhin, I. - Discipline is the mother of victory in battle, the basis of progress in training. p.78.
Ratnikov, A. - Yugoslavian People's Army. p.85.
Tuchin, A., Kazarinov, V. - The Pentagon is a weapon of imperialistic aggression. p.89.
News of party and political work. p.93.

NASHI VESTI [OUR NEWS]. Published by Soiuz chinov Russkogo korpusa [The Association of Members of the Russian Corps]. New York, vol. 20, no. 206, Aug. 1963.

SOVETSKII VOIN [SOVIET SOLDIER]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 44, no. 2(950), Jan 1962

Table of contents translated

Biriuzov, S.S - High trust of the motherland. p.2
Shvets, A - They are the first to see the target. p.8.
Chistov, B. - The flight leaves on an interception mission. p 13
Kostin, N. - Starting assembly is ready! p 16.
Tret'iakov, I. - Forces of youth. p.18.
"Heroes of our days; sketches about soldiers, sergeants, and officers of the Baku Antiaircraft Defense District." p.18
Polonskii, L. - Medals of Bakhram Khalipov. p.19.
Technology of the 7-year plan. p.20.
Mamedov, D. - The city which we guard. p.30.
Fighters of the stratosphere. p.38.
Vasil'ev, D.M. - Cross-country runs on skis. p.42.
Zizina, E. - The whole company participates in the concert. p.43.
Petrov, M. - Hornets' nests of aggressors and militarists. p.44.

Vol. 45, no. 12(984), June 1963.

Table of contents translated:

Militant word of truth. p.1.
Arkusha, A. - Most dear. p.2.
Vinogradov, Ivan. - Again this Golub,... p.4.
Proniakin, IU. - Unyielding. p.6.
Alaev, D. - People of the eagle's flight. p.8.
Shvets, P. - Joy in work. p.13.
They are learning mastery at sea. p.14.
Geller, IU. - Years of fire. p.16.
Ishmaev, N. - On the great march. p.18.
Sholokhov-Siniavskii, G. - Little house by the river. p.19.
Always forward. p.21.
IUnga, Evgenii. - In spite of the war.... p.26.
Malinichev, G. - The postman and ... electronics. p.29.
Khorev, A. - On behalf of soldiers. p.30.
Efremova, L. - Oath of a poet. p.31.
Vasil'ev, P. - Candidate's card No. 7172920. p.32.
Vorob'ev, Evgenii. - On the 20th anniversary of the Battle of Kursk. p.33.
Anan'ev, Anatolii. - First day. p.33.
Pop, N. - Continuous watch [translated from the Rumanian]. p.41.
Bol'shakov, V., Tertorov, M. - Sinister plan. p.42.
Osykov, B. - Communist Youth League radio hour. p.44.
Maksimenko, V. - Best fins in the country. p.45.
Bertalan, Istvan. - Wonder doctor [translated from the Hungarian]. p.46.
It is interesting to know. p.47.
Malinovskii, R., and others. - Chess. p.48.

Vol. 45, no. 14(986), July 1963.

Table of contents translated:

Our ideological weapon. p.1.
IUdenkov, A. - Chronicle of battle and victories. p.3.
Khamov, V., Drovosekov, A. - High, proud title. p.4.
Khakhalin, Lev. - Day of our life. p.6.
Semenikhin, G. - And more takeoffs.... p.8.
Golovanov, Kirill. - Single combat. p.9.
Rokossovskii, K. - On the fiery arc. p.13.
Vorob'ev, Evgenii. - To the north of Orel. p.16.
Alekseev, N. - Heirs to the glory of their fathers. p.20.
Kuz'min, N - Precious relics. p.29.
Voronova, Ol'ga. - Book about courage. p.29.
Ishchenko, I - Happy disposition. p.30.
Garnaker'ian, Ashot. - Youth. p.32.
Kambulov, Nikolai. - There was such a case. p.33.
Leante, Cesar. - Victory was born that way [translated from the Spanish] p.36.
On a visit to Soviet soldiers p.38
Firsov, L. - In the silence of the night.... p.40.
Basov, A - Two letters of a hero. p.40.
Popov, Andrei. - The theme of heroism is the main thing p.41.
Kasatkina, Kiudmila. - We want to play real people. p.42.
Georgadze, I , and others. - On moraie themes p.44.
Pozhidaev, I. - Sunday is a sports day. p.45.
It is interesting to know p.47.
Baturin, A - Chess. p.48.
Ivanov, I - In a spare moment. p.48.

Vol. 45, no. 19(991), Oct. 1963.

Table of contents translated:

Pokholenchuk, B., Gzhel'skii, V. - Camp "Komsomolia." p.1.
Kostko, V. - Springs do not dry up. p.4.
Gaglov, I. - On the road of daring and glory. p.6.
Khamov, V. - According to regulations of conscience. p.8.
Osipov, Valerii. - Snowflakes. p.9.
Kolesnikov, B. - Blue roads. p.17.
Vasvolozhskii, Igor'. - Cossack's honor. p.18.
News of military technology. p.19.
Polikov, N., Smirnov, S. - Vera, an associate of Zola. p.20.
Gushchin, N., Kolosov, M. - Communism should be built by the young. p.22.
Ivanov, A., and others. - From a Soviet soldier's mail. p.24.
Solnikov, Ivan. - Mighty Dnieper. p.26.
Glukhovskaia, L. - Meditations on the blue screen. p.30.
Many years later.... p.32.
Sal'nikov, N. - On guard duty. p.32.
Soldier's heart. p.37.
Karev, Grigorii. - Mandate of Lieutenant Commander IUnitkov. p.38.
Firsov, Z. - Heading for Tokyo. p.42.
Zhukhovitskii, I. - A record, that's work. p.43.
Agafonov, S., Tkachenko, Dm. - Tribe of the gray captains. p.44.
Frankowski, Edward. - The commander ordered.... p.45.
Baturin, A., Reznitskii, P. - Chess. p.46.
Ivanov, I., Fateev, A., Lebedev, V. - In a free moment. p.48.

Vol. 45, no. 22(994), Nov. 1963.

Table of contents translated:

"Flight-1," a ship obedient to man. p.1.
Tishchenko, Viktor - Word to fellow soldiers. p.2.
Protasov, Viacheslav. - Storm. p.4.
Radchenko, N. - Path to the heart. p.6.
Asanov, Nikolai. - General Musaov. p.8.
Teleshenko, A. - Flowers fall into the sea. p.15.
Mal'kov, A. - Severe lesson. p.18.
Good journey! p.20.
To the attack -- forward! p.21.
From a Soviet soldier's mail. p.29
Ust'iantsev, Viktor. - At a far-off post. p.30.
Gushchin, N. - Magic devices. p.33.
Shevtsov, N. - Tale of courage. p.33.
Borzunov, S. - Voices getting stronger. p.34.
Gusev, IU. - In flight. p.37.
Sorokin, Sergei. - At the crossing. p.38.
Nekrasov, IU., and others. - And your opinion? p.42.
Glückselig, Josef. - Warmth of a friendly hand [translated from the Czech]. p.43.
Leont'ev, A. - What the owls are screeching about... p.44.
Evstaf'ev, B. - This is needed for flights. p.46.
Sannikov, Z. - How I became a champion. p.47.
Chess. p.48.
Kozub, A., Ivanov, S. - In a free moment. p.48.

VISTI KOMBATANTA. VETERANS' NEWS. Issued by United Ukrainian War Veterans in America and others. New York, no. 3(11), 1963.

VOENNYI VESTNIK [MILITARY REVIEW]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol. 43, no. 10, Oct. 1963.

Table of contents translated:

Editorial: Along the bright road of the October Revolution. p.3.
To be on the alert is our sacred commandment. p.7.
Regulations of garrison and guard duty. p.10.
Radzievskii, A. - Battle for the Dnieper. p.12.
TSirlin, A. - Forced crossing on the march. p.15.
Shutov, S. - Guardsmen, forward! p.21.
Vainrub, M. - Toward new frontiers. p.29.
Borzhko, V. - Guarantee of success. p.30.

firing skill for the gunners

Sv[illegible] P. - The skillful and de[illegible] 38.

[illegible]rious assault. p 41.

[illegible]ted action in a tank company.

of the commander p 49.

[illegible] battery supports an airborne

[illegible] M. - In a contaminated

[illegible] of the company p 60.

[illegible] modern combat, review of

[illegible]cle published in No 2. p 62.

[illegible] lecture to the seminar, from

[illegible]ependent work of officers.

[illegible]owledge is needed for in[illegible]g. p 68.

[illegible]. p. - Self-education is the

I. - Soldiers begin their serv[illegible]

S. - "Individual evaluation,"

[illegible]ticle published in No 4. p 74.

[illegible]perience and its lessons, notes

[illegible] military school p. 76

[illegible]raining in terrain fire control.

[illegible]ce fire with a range finder.

[illegible] of observation points. p. 85.

[illegible] in the attenuation factor of a

[illegible]aev, I., Natenzon, G. - Shorten

[illegible] adjustment, discussion of the

87.

[illegible]in, A. - Antiaircraft battery in

[illegible] p. 89

[illegible] to visual reconnaissance.

[illegible]matic-control attachment. p. 94.

[illegible]er reconnaissance and the

[illegible]s from a river. p 96.

[illegible]sion is accomplished by the

[illegible]truction company. p. 98.

[illegible]prepare a plan for carrying out

[illegible].

[illegible]man, P. - Training radiomen

[illegible]demands. p. 105.

[illegible]. - Miniature range communi[illegible]

[illegible] adjustment with a scale p.111.

[illegible] and more expedient. p. 112.

[illegible]ining apparatus for an artillery

[illegible]14.

[illegible]v, V. - Electrified map p. 116.

[illegible]nd small units of the Greek

[illegible]s. p. 124.

[illegible]ortsmen at the Spartakiada.

[illegible] p. 127.

[illegible]33.

[illegible]ents translated

[illegible]retely and in a businesslike

[illegible]rious traditions. p. 7.

[illegible]y, courage. p. 11.

[illegible]e battles for Kiev p. 13.

[illegible]s of battles. p. 15

[illegible]eir exploits are immortal.

Polyakov, M. - Plan purposefully. p. 98.

Ovrutskii, G. - In a complex of tactical exercises. p. 100.

Chertov, V. - Everyone must become an expert. p. 102.

Pyshnenko, G. - So that the fire may be accurate p. 105.

Tertyshnikov, A. - Combat training of subunits. p. 107.

Slusarev, A. - Constructing a cross-country route p. 111

Belousov, M. - All-purpose electroexplosive net p. 114.

Bazanov, A. - Training is initiated by an exact plan p. 115.

Manolo, I. - Formation of young officers p. 117.

Kirillychev, A., Degonskii, P. - We are preparing a training base. p. 120.

Platov, B. - Shooting training of young soldiers. p. 123

Pyl'tsyn, A. - By intersection with azimuth indicators. p. 127

Kan, I.A. - Chess. p. 128.

b NAVAL SCIENCE

LENINGRAD KORABLESTROITEL'NYI INSTITUT Trudy [SHIPBUILDING INSTITUTE. Transactions]. No 36, 1962. Sudostroenie i sudovoe mashinostroenie [Shipbuilding and marine engineering].

Table of contents translated:

Babaev, A.N., Oliferenko, K.M. - Strain gauges for the measurement of static deformations. p. 5.

Bel'chuk, G.A. - Arc welding of aluminum and its alloys to steel with the application of an aluminum layer on steel by heating with high-frequency currents. p. 11.

Maiskovich, V.D. - Conditions of the formation of cracks in welded structures and their classification. p. 19.

Postoev, N.I. - Development and importance of the technology of maximum prefabrication of ship sections. p. 29.

Faddeev, IU.I. - The motion of a flat deformable shape. p. 39.

Iskritskii, D.E. - Effect of the flexure of a shaft line axis on its strength. p. 51.

Podol'skii, M.E. - A problem on the hydrodynamic theory of lubrication. p. 63.

Pushkin, N.I., Turlakov, A.S., Litvid, L.V. - Heat emission and the hydraulic resistance of steam air preheaters in marine boilers. p. 75.

Reinberg, E.S. - Device for the contactless measurement of stresses in ship shaft lines. p. 85.

Tikhonov, G.V. - Separation of a gas and liquid flow with small concentrations of liquid by means of a cyclone of special design. p. 91.

Mlasnikov, L.L. - Modeling the sense of touch by means of ultrasonic surface waves. p. 103.

Nesteruk, V.F., Porfir'eva, N.N., Finagin, B.A. - Method of random pulse generation using for the driving process the discreteness of light radiation. p. 107.

Finagin, B.A. - Interference light modulator operating on several frequencies. p. 111.

Nesteruk, V.F., Porfir'eva, N.N. - Single pulse detection theory. p. 121.

Nesteruk, V.F. - Reception theory of low-frequency radio signals of random form. p. 135.

Porfir'eva, N.N., Nesteruk, V.F. - Methods of investigating the spectrum lines of alkali metal atoms with a given signal-to-noise ratio at the detector exit of an atom beam radio spectr[illegible]

Denisov, K.N., D'iakonov, V.D. - Machine algorithms for the calculation of equatorial coordinates of sun and stars on electronic digital computers used in navigation. p. 74.

Perevezentsev, E.N. - Using multiple route, multichannel, and complex navigational systems in automatic ship steering. p. 82.

Cheban, A.A. - Graphic adjustment applicable to position lines containing systematic and accidental errors. p. 89.

Vul'fovich, B.A. - Selecting cartographic projections for modeling automatic course plotting in hyperbolic radio navigation systems on small vessels. p. 96.

Ukhanov, G.I., Filippov, IU.M. - Method of determining the optimum course of a vessel according to time criteria taking into account concrete forecasts. p. 114.

MORSKOI FLOT [THE MERCHANT MARINE]. Issued by Ministerstvo morskogo flota SSSR [Ministry of the Merchant Marine of the U.S.S.R.]. Moscow, vol. 23, no. 11, Nov. 1963.

Table of contents translated:

Editorial: Multiply and develop fine labor traditions. p. 1.

Rozenshtrakh, M. - Innovators in the Nagayevo harbor. p. 3.

Banita, L., Rozenblium E. - Progressive workers are revealing potentialities. p. 5.

In cooperation with the fishing fleet. p. 6.

Traburov, N. - With the help of the public at large. p. 7.

Shortcomings are eliminated. p. 8.

Polikarpov, A. - Some problems in the expansion of harbors. p. 9.

Dubinskii, P. - Efficient use of a ship's capacity in the transportation of container cargo. p. 12.

Enokian, L. - Improve operations in supplying and servicing ships. p. 14.

Gel'fond, S. - What is the advantage of unloading raw sugar transported in bulk. p. 15.

According to new norms. p. 16.

Kachaev, V. - Steamship line across the Pacific Ocean. p. 17.

Tokarev, F. - Use of sector radio beacons. p. 18.

Kondrashikhin, O. - Modern requirements of sailing directions. p. 21.

Morozova, A. - Toward a revision of the international agreement concerning load marks. p. 22.

Replacements for the ranks of scientists. p. 26.

Al'shuller, T. - Operational reliability of electric marine motors. p. 26.

Konovalov, N., and others - Automatic regulation of voltage and the distribution of loads during the parallel operation of suspended ship generators. p. 27.

Gurskii, V. - Operation of loading cranes on ships of the type "Ugleural'sk" and "Dzhankoi." p. 30.

Matveev, V. - Positive approach. p. 33.

The technical operation of the fleet is being conducted in an improved manner. p. 33.

Krivosheev, IU. - Organizing work on standardization and normalization at the Izmail ship repair yard. p. 34.

Kolyshkin, I. - Improve the equipment of navigating houses on merchant ships. p. 35.

Kharitonov, V. - Self-propelled, seagoing mud scow. p. 37.

Bant, I. - Constantly improve methods of teaching the English language. p. 39.

Antonov, V. - Will the Caspian Sea level continue to fall? p. 42.

Grachev, N. - Let us create a marine encyclopedia.

Tikhomirova, L. - Methods of determining the cost of loading and unloading operations. p. 19.
From the editor's briefcase. p. 21.
Trofimov, V. - The success of ship repairs is decided at the time of their preparation. p. 24.
Protasevich, N. - Ways of increasing the motor capacity of internal combustion engines and the service of marine engines. p. 26.
Urlang, F. - Marine diesel engine with gas turbine pressure charging. p. 29.
Shebanov, V. - Reconditioning machine parts by build-up welding in an atmosphere of carbon dioxide. p. 31.
Andrievskii, M. - Effect of hatch arrangements on the intensity of mechanizing loading operations. p. 33.
From the editors' briefcase. p. 34.
Rossin, S. - The "Velikii" is a new power-propelled, river-going tank vessel. p. 36.
Kuskov, L. - Consider the interests of the river fleet in operating complex hydraulic engineering systems. p. 38.
Uretskii, E. - New, highly efficient petroleum pier. p. 41.
Bocharov, V. - Operational quality of mechanisms on two-fold lock gates. p. 42.
Lisovskii, P. - Determining the average velocity of currents by computation. p. 44.
Kolosov, M. - Lockage of small rivers with the use of flexible dams. p. 45.
Ol'shamovskii, S. - Orientation method on rapid ships. p. 46.
In the Collegium of the Ministry of the River Fleet. p. 48.
Nikulin, M. - Universal pneumatic loader and unloader. p. 49.
Dediuk, L. - Flexible coupling of shafts. p. 50.
Kudriashov, P. - Unique slipway. p. 50.
Popeiko, D. - Clamshell dredgers on small rivers. p. 51.
Nesteruk, F., Zimina, N. - Yugoslav rivers and their development. p. 52.
Bogdanov, B. - Fifty years of navigation on the Lake Khubsugul. p. 55.
Bakhtin, N. - What bothers the Volgograd longshoremen. p. 56.
Bednarzhevskii, S. - Increase the drive against defective material in the fleet. p. 57.
Kamenskii, S. - Make the achievements of science and technology available to the national economy. p. 58.
Byval'tsev, L. - Laying out the markings for dredging purposes on the terrain with the help of a sextant. p. 59.
Sintsov, V. - The Ufa River will flow toward Sverdlovsk. p. 59.
IAshchenko, A. - Operation of a stern-lifting crane. p. 60.
Panchurin, N., Maliavko, E. - "Minsk-1." p. 60.
Kovalev, A., Nukhovich, L. - Experience in mixed river-sea transportation. p. 61.
Makkaveev, N. - Useful hook. p. 62.

Vol. 22, no. 11, Nov. 1963.
Table of contents translated:

Results of the navigation season. p. 2.
Nazarov, I. - One hundred years of steam navigation on the Yenisey River. p. 5.
Makhotkin, N., Malakhov, K. - For coordinated work on the part of railroad and inland transportation workers. p. 10.
Cherniak, S., Isakov, N., Gangardt, G. - Pressing problem; importance to the national economy in the building of the Kizi-Tabo Canal. p. 14.
Korotkov, K. - Developing rapid transportation in the Volga River basin. p. 16.
Liakhov, K. - Attaching a group of sister ships to a group of cargo lines. p. 18.
Shiskii, S., Shaposhnikov, E., Mel'nikov, A. - Length of the working day for the navigating personnel in summer and during periods between navigations. p. 20.
Strakhov, V. - The Krasnoyarsk harbor today. p. 22.
Dunaev, N., Orlov, I., Podorozhnyi, K. - Both station and harbor work in a new way. p. 24.
Karlakin, I. - On an upswing. p. 26.
Belov, N. - Establish a new program of ship repairs. p. 28.
Avrukh, M. - Passenger motorship made of plastics. p. 30.
Shishatskii, V. - Reconditioning engine casings by epoxy resins. p. 32.
Volkov, N. - Vacuum treatment of cast iron in foundry molds. p. 33.
Pavlenko, V., Polunin, A. - Drop in the speed of passenger launches in shallow waters having a current. p. 35.
Chekrenev, A., Balanin, V., Antonov, B. - Result of investigations on prolonging the navigation season. p. 39.
Serebriakov, A. - Justifying methods of conducting channel dredging and maintenance operations. p. 41.
Mezhnov, D. - Conditions for the strength of navigation lock parapets. p. 42.
Rakhmatullin, N. - Using the integral curves of a channel capacity for the analysis of reforming a channel. p. 44.
Karlakin, L. - Handling large-tonnage vessels navigating along canals. p. 47.
Tepliakov, A. - Universal portable machine for lapping internal combustion engine valves on ships. p. 49.
Pelipenko, V., Sheinman, A. - Redesign of the swivel-bearing arrangement of the floating crane "Bielkhen." p. 50.
Nesteruk, F. - Professor N. P. Puzyrevskii and his progressive ideas. p. 51.
Nesvetaev, IU. - Seventy-five years of electric arc welding in inland water transportation. p. 52.
Danilichev, S. - First steamships on the rivers of the Ural Mountain region. p. 53.
Kharin, N. - Better service for passengers. p. 54.
Telepnev, I. - Do away with lagging in water transportation statistics. p. 54.
Storozhev, V. - Methods of improving the separation of lubricants on motorships. p. 55.
Nadporozhskii, N., Fidel'man, R. - Control of the insulation resistance of ship circuits. p. 56.
From the editor's briefcase. p. 57.
Grigor'ev, B. - Beacon with a hydraulic rotor. p. 59.
Piarin, T. - Operation of pushed barge trains on the Rhine. p. 60.
Ivanov, R. - Radar station for river craft. p. 61.

REFERATIVNYI ZHURNAL: VODNYI TRANSPORT [JOURNAL OF ABSTRACTS: WATER TRANSPORTATION] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 12, Dec. 1963, no 1, Jan 1964. [This journal is also issued in parts.]

SUDOSTROENIE [SHIPBUILDING]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po sudostroeniiu and Nauchno-tekhnicheskoe obshchestvo sudostroitel'noi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for Shipbuilding and the Scientific Technological Society of the Shipbuilding Industry] Leningrad, vol 29, no. 10(282), Oct. 1963

Table of contents translated

Zaitsev, I.A., Goloburdin, B.A. - Motorship "Orenburg." p. 1.
Martynov, G.G. - Reversibility of motorships with fixed and controllable pitch propellers. p. 7.
Logvinovich, E.G. - Determining the empty weight of a ship by its deadweight. p. 11.
Rubinshtein, B.I. - Calculating the strength of a double-hulled ship. p. 13.
Arslutin, L.R. - Possibility of resonance between wind gusts and the rolling of a ship. p. 15.
Mitsevich, A.T. - Efficiency of insulated ship walls with steel and aluminum alloy framing. p. 16.
Bibliography. pp. 17, 45, 54, 61, 70, 76.
Kuzon, A.G., Grechin, M.A., Mezhericiskii, A.D. Power plant capacity on air-cushion ships. p. 18.
Shiftin, M.Sh., IUng, V.N., Voitetskii, V.V. - Selecting a type of feedback in regulators of marine power plants. p. 22.
Bichaev, B.P., Zelenin, V.M. - Electron model of a marine gas turbine plant. p. 26.
Bushanskaia, L.I. - Measures for power plant noise reduction on gas turbine powered ships of the type "Pavlin Vinogradov." p. 30.
Pevzner, B.S., Sladkov, F.P. - Automatic regulation and emergency control systems for auxiliary marine boiler plants. p. 33.
Ermolin, V.K. - Increasing the thermal efficiency of straight tube heat exchangers by a tangential supply of a heat carrier. p. 37.
Krishtal', N.D. - Nomogram for determining the coefficient of heat release by water during boiling. p. 40.
Kriuchkov, IU.S. - Calculating the propulsive speed of a sail catamaran. p. 41.
Koshelev, G.G. - Regularities of the deposition of hydroxide films in the process of the electrochemical protection of steel structures against corrosion. p. 46.
Shalkin, M.K. - Effect of technological shifts on the strength of ship hull units. p. 49.
Shats, V.N. - Use of prestressing in hull structures. p. 52.
Krotov, IU.E. - Problems of the improvement of production planning in shipbuilding plants. p. 56.
Madatov, N.M. - Work standardization in underwater ship repairs. p. 60.
Kazarin, A.K., Komkov, B.E. - Ship movement on trucks with a centralized lifting system. p. 62.
Varov, IU.N. - Using metal scaffolding in the docking of ships. p. 63.
Bel'chenko, A.IA. - Using a model M-2 machine for the fitting in of equipment. p. 63.
Antipov, A.A., Popov, V.G., Tereshchenko, A.F. - Methods of calibrating propeller shafts. p. 64.
Sereda, V.M. - Rigging for ship launching from longitudinal ways. p. 66.
Somin, IU.A. - Testing main engines of diesel-electric power plants while being moored. p. 68.
Penova, E.M. - An early completion of the assignments of the seven-year plan. p. 69.
Vidutskii, L.M. - Hydraulic drives of deck machinery. p. 71.
Purification of drinking water on ships. p. 76.
Konstantinov, V.N. - Principles of the theory of automatic control. p. 77.
Antonenko, V.S. - Synthetic materials for the finishing and equipment of ship accommodations. p. 78.
Antonenko, V.S. - Conference on the experience of operating new ships in the Far-Eastern Basin. p. 80.
Twelfth Conference on the Structural Mechanics of Ships dedicated to the memory of P.F. Papkovich. p. 81.
Karelin, V.I. - All-Union Industrial Conference on problems of Standardization and Specialization in Shipbuilding. p. 82.

Vol. 29, no. 11(283), Nov. 1963.
Table of contents translated:

Gurovich, A.N. - New, dry-cargo motorships of the "Beloretsk" type. p. 1.
Chebyshev, G.A. - Limiting the draft and the durability of winged ships. p. 5.
Using propulsion bulbs on the rudders of seagoing ships. p. 7.
Kuznetsov, A.D. - Improving the technical and economic indices of ships with the help of propulsion bulbs on rudders. p. 7.
Ivchenko, V.M. - Propulsion bulb efficiency. p. 7.
Asinovskii, V.I., Katsman, F.M., Lukovnikov, A.A. - Advisability of providing propulsion bulbs on seagoing ship rudders. p. 8.
Sokolov, L.G. - Relation between capacity, stability, and the amount of water ballast in the transportation of deck-loaded lumber. p. 10.
Nebesnov, V.I. - Diagram for the approximate determination of the distance and time for the run down of a ship with controllable pitch propeller. p. 12.
Rent, V.I., Kholoptsev, V.V. - Effect of the spacing of beam knees on deck stability. p. 13.
Bibliography. pp. 17, 20, 31, 39, 42, 52, 54, 67.
Vasil'ev, K.A. - Fire-extinguishing system by means of aerated water with emulsifier used on the ferry "Sovetskii Azerbaijan." p. 18.
Efremov, L.V. - Nomograms for the determination of torsional vibrations in the design of shaft lines. p. 21.
Chernykh, G.N. - Experimental investigation of stresses and elastic deformations of the 6ChRP 25/34 marine diesel engine crankshaft. p. 23.
Zaitsev, I.A., Goloburdin, B.A. - Self-cleaning, automatic filters for oil and fuel. p. 26.
Enin, V.I. - Circulating electric pumps for steam turbine plants on ships built in series. p. 28.
Allamovskii, M.I. - Jet discharge pipe without reaction at anchorage. p. 30.
Shtumpf, E.P. - Automatic programmed control of controllable pitch propeller systems. p. 32.
Burlak, V.D. - Choice of emergency electric stations for ships. p. 35.
Meleshkin, G.A. - Technical and economic grounds for the use of generator-shaft systems on ships. p. 36.
Brusov, S.A. - Discontinuing the use of signal lights in automatic selective switchgear. p. 39.
Matveev, I.I. - Trial of the yacht "Antarctica." p. 40.
Daikhes, M.A. - Method of mounting the main engines with little deformation of the foundation frame and the crankshaft. p. 43.
Kovtun, A.D. - Ways of improving ship piping installations. p. 48.
Sazykin, V.I. - Using indices to evaluate the standardization of ship plans. p. 53.
Sudzilovskii, A.S. - Using epoxy resins in ship repair operations. p. 55.
Matavin, A.A. - Using mastics for the sealing of joints in steam turbine cylinders. p. 58.
Spivakov, V.D. - Adjustment of ball friction clutches with a limiting moment. p. 59.
Epshtein, M.N. - Reinforcement of ship hulls at superstructure ends. p. 60.
Perforation of sheet steel on lathes. p. 64.
Rogova, A.P. - New method of cleaning boiler tubes taken out of moth balls. p. 65.
Fateev, V.A. - Repair of ship masts on shore. p. 66.
Golenko, V.F. - Machine for cutting out washers. p. 66.
New shipyard of the Goetaverken firm. p. 68.
Automatic starting of steam turbines. p. 71.
Dutch-built ships. p. 72.
British-built ship. p. 73.
American-built ship. p. 73.
Quickly detachable hose connection. 74.
Pleasure submarine. p. 74.
Foreign patents. p. 75.
Kalinin, S.A. - Catamarans with sails. p. 76.
Bystrovskii, L.M. - Seminar-conference of the Scientific Technological Society for the Shipbuilding Industry. p. 79.
Competition for the P.F. Papkovich Award. p. 79.

CUMULATIVE LIST OF ALL PERIODICALS IN VOL. 16
ARRANGED BY SUBJECT

I. GENERAL

a) Scholarly journals

Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Obshchestvennye nauki [Academy of Sciences of the Armenian S. S. R. Bulletin. Social Sciences]
CLU CU IU NN NNC
RPB

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Izvestiia, Seriia fiziko-matematicheskikh i tekhnicheskikh nauk [Academy of Sciences of the Azerbaijan S. S. R. Bulletin. Series in the Physical, Mathematical, and Technological Sciences]
CU CaOOG DNAL IU IaAS
KU MiU MnU MoKL NN
NjMuH PPF PU RPB ViU
WaU

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Izvestiia, Seriia obshchestvennykh nauk [Academy of Sciences of the Azerbaijan S. S. R. Bulletin. Series in the Social Sciences]
CLU CU CaOOG DBC IU
KU KyU MH MnU NIC
NN NNC OrU RPB ViU
WaU

Akademiia nauk Gruzinskoi SSR, Tiflis. Soobshcheniia [Academy of Sciences of the Georgian S. S. R. Reports]. In Georgian
CLU CU DDO DNAL DS
IEN InU MCM MdBJ NN
NNC NNF NNM NcD PPF
RPB

Akademiia nauk Gruzinskoi SSR, Tiflis. Abkhazskii Institut Iazyka, Literatury i Istorii, Sukhumi. Trudy [Academy of Sciences of the Georgian S. S. R. Abkhazian Institute of Language, Literature, and History. Transactions]
CU MH-P MiU NN NNC

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Izvestiia, Seriia obshchestvennykh nauk [Academy of Sciences of the Kazakh S. S. R. Bulletin. Series in the Social Sciences]

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Vestnik [Academy of Sciences of the Kazakh S. S. R. Journal]
CU CU-A CoBBS DBC DNAL
ICU IaAS KU MCM MoKL
NN NNC NNM PSt WaU

Akademiia nauk Kirgizskoi SSR, Frunze. Izvestiia, Seriia estestvennykh i tekhnicheskikh nauk [Academy of Sciences of the Kirghiz S. S. R. Bulletin. Series in the Natural and Technological Sciences]
DNAL PPAN

Akademiia nauk Kirgizskoi SSR, Frunze. Izvestiia, Seriia obshchestvennykh nauk [Academy of Sciences of the Kirghiz S. S. R. Bulletin. Series in the Social Sciences]
ZsN

Akademiia nauk Moldavskoi SSR. Izvestiia [Academy of Sciences of the Moldavian S. S. R. Bulletin]
DNAL MH

Akademiia nauk SSSR. Vestnik [Academy of Sciences of the U. S. S. R. Journal]
CLU CSt CSt-H CStmoR CU
CaOTU CtY DBC DBS DFR
DNLM DS FU ICJ ICN
ICU InLP MH MdBJ MiU
MnU MoKL MoSW NIC-A NN
NNC NNF NNIS NNNAM NcD
NcRS NcU OCl OCoB OU
PPTU PPAN PSt RPB WaU

Akademiia nauk SSSR, Iakutskii filial, Yakutsk. Nauchnye soobshcheniia [Academy of Sciences of the U. S. S. R. Yakut Branch. Scientific Reports]
CU CaOOG NIC

Akademiia nauk SSSR, Iakutskii filial, Yakutsk. Institut Iazyka, Literatury i Istorii. Trudy [Academy of Sciences of the U. S. S. R. Yakut Branch. Institute of Language, Literature, and History. Transactions]
CU MH

Akademiia nauk SSSR Karel'skii filial, Petrozavodsk. Trudy [Academy of Sciences of the U. S. S. R. Karelian Branch. Transactions]
CLU CU CtY DS ICMILC
ICU IEN IU InU MH
NIC NN NNC NjP TxU
WU

Akademiia nauk SSSR. Moldavskii filial, Izvestiia [Academy of Sciences of the U. S. S. R. Moldavian Branch. Bulletin]
DNAL MH

Akademiia nauk SSSR, Sibirskoe otdelenie. Izvestiia. [Academy of Sciences of the U. S. S. R. Siberian Branch. Bulletin]
CLU CSt CU CU-A DNAL
ICMILC ICU InU MiU NIC
NN NNC NNF NNM NcU
OCoB OrU PPF PSt RPB
WaU

Akademiia nauk SSSR, Vostochno-Sibirskii filial, Irkutsk. Trudy [Academy of Sciences of the U. S. S. R. East Siberian Branch. Transactions]
CLU CU DNAL ICMILC IU
MH NIC ViU

Akademiia nauk Tadzhikskoi SSR, Dushanbe. Doklady. [Academy of Sciences of the Tajik S. S. R. Reports]
CLU CU CtY DNAL InU
KyU MoKL NIC NN NNC

Akademiia nauk Tadzhikskoi SSR, Dushanbe. Trudy [Academy of Sciences of the Tajik S. S. R. Transactions]
CLU CU CtY DI DNAL
DNLM ICMILC IU MH MH-M
MH-Z MiU MoKL NIC NN
NNC PPAN

Akademiia nauk Turkmenskoi SSR, Ashkhabad. Izvestiia, Seriia obshchestvennykh nauk [Academy of Sciences of the Turkmen S. S. R. Bulletin. Series in the Social Sciences]
ICMILC InU MH NNC WaU

Akademiia nauk Uzbekskoi SSR, Tashkent. Otdelenie obshchestvennykh nauk. Nauchnye raboty i soobshcheniia [Academy of Sciences of the Uzbek S. S. R. Department of Social Sciences. Studies and Reports]
DS IU MH

Akademiia navuk BSSR, Minsk. Vestsi, Seryia hramadskikh navuk [Academy of Sciences of the White Russian S. S. R. Bulletin. Series in the Social Sciences]
CLU CU ICMILC KU MBdAF
NN NNC NcD TxU ViU

Alma-Ata. Universitet. Uchenye zapiski [University. Studies]
CSfA CU DSI-M ICU IU
InU MH MdBJ MiU NN
NNC NNM OU

Ashkhabad, Turkmenskii gosudarstvennyi universitet, Uchenye zapiski [Turkmenian State University. Studies]

Baku, Azerbaidzhanskii gosudarstvennyi pedagogicheskii institut, Trudy [Azerbaijan State Pedagogical Institute. Transactions]
MH

Chernovtsy, Universytet, Uchneye zapiski, Sbornik aspirantskikh rabot [University. Studies, Graduate Student Papers]

Chita, Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]

Dnepropetrovsk, Universytet, Nauchnye zapiski [University. Studies]
MH MnU NNC OU

Dushanbe. Gosudarstvennyi pedagogicheskii institut, Uchenye zapiski [State Pedagogical Institute. Studies]
MH

Dushanbe, Universitet, Uchenye zapiski. Trudy iuridicheskogo fakul'teta [University. Studies. Transactions of the Faculty of Law]

Eesti NSV Teaduste Akadeemia. Toimetised. Fuusikalis-matemaatiliste ja tehniliste teaduste seeria. Izvestiia Akademii nauk Estonskoi SSR. Seriia fiziko-matematicheskikh i tekhnicheskikh nauk [Academy of Sciences of the Estonian S. S. R. Bulletin. Series in the Physical Mathematical, and Technical Sciences]
CLU CU CaOON NBuAF MnU
MoKL MoSW NNC NjMuB TOMS

Eesti NSV Teaduste Akadeemia. Toimetised. Uhiskonnateaduste seeria. Izvestiia Akademii nauk Estonskoi SSR. Seriia obshchestvennykh nauk [Academy of Sciences of the Estonian S. S. R. Bulletin. Series in the Social Sciences]
CLU CU DNAL MBdAF NNC
OkU

Gorkiy. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]
CU DNAL MH

Gorkiy. Universitet. Uchenye zapiski [University. Studies]
CU DNAL IaAS In InU
MH MH-A MH-F MH-P NIC-A
NNC

Irkutsk. Universitet. Trudy. Seriia geologicheskaia [University. Transactions. Geological Series]

Ivanovo. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]
RPB

Kazan. Universitet. Uchenye zapiski [University. Studies]
CLL CLSU CLU CSt CSt-H
CU CaOTU CaQMBM CtY DI-GS
DNAL DSC ICS IU InU
MBN MH MiU MnU MoSU
NIC-A NN NNC NcD NcU
NjP PP PPAN PPC PU
RPB WaU

Kishinev. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute Studies]

Kishinev. Universitet. Uchenye zapiski [University. Studies]
DNAL MH RPB

Krasnoyarsk. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]
MH

Kuybyshev. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]

Latvijas Padomju Socialistiskas Republikas Zinatnu akademijas. Vestis. Izvestiia Akademii nauk Latviiskoi SSR [Academy of Sciences of the Latvian S. S. R. Bulletin]
CU CaOTU DNAL DS ICMILC
IU MH MoKL NN NNF
NNM PPF PU RPB TxU

Leningrad. Gosudarstvennyi pedagogicheskii institut im. A. I. Gertsena. Uchenye zapiski [State Pedagogical Institute. Studies]
CLU CSt CU CoFS CtY
DNLM MH NjP NNC WU

Leningrad. Universitet. Uchenye zapiski [University. Studies]
CLL CLSU CLU CSfU CSt
CSt-H CStmoR CU CaAEU CaOOAg
CaOOG CaOTU CtY CtY-L DBS
DI DI-GS DNAL DNLM DS
DSI-A DSI-M GU ICU IEN
IU IaAS IaU InU KU
KU-L LU MBN MBU MCM
MH MH-F MH-L MH-O MH-Z
MNS MWhB MdBJ MiEM MiU
MiU-L MnU MoKL NBuB NIC
NIC-A NN NNC NNM NRU
NcU NhD NjP NjR OCU
OU OrU PBm PPAN PPiU
PSC PU RPB TxHR WU
WaU

Leningrad. Universitet. Vestnik [University. Review]
AU AzU CLSU CLU CPT
CSt CSt-H CStmoR CU CU-A
CaAEU CaOOG CaOON CaOTU CoU
CtY DBC DNAL DNLM DS
ICJ ICU IEN IU IaAS
IaU InLP KU LU MH
MdBJ MiU MnU MoKL NIC
NN NNC NNF NNIS NNM
NRU NcU NhD NjP OCICS

726-081 O - 64 - 9

OrU OrU PPAN Pst PU-Math
RPB TONS TxCM ViU WU
WaU

Lietuvos TSR Mokslu akademija, Vilna. Darbai, Serija A. Trudy Akademii nauk Litovskoi SSR. Seriia A [Academy of Sciences of the Lithuanian S.S.R. Transactions. Series A]
CLU CU CtY KyU MH
PU

Lysty do pryiateliv [Letters to Friends]

Moscow. Gorodskoi pedagogicheskii institut. Uchenye zapiski [Moscow City Pedagogical Institute. Studies]
MCM MH NjP

Moscow. Gosudarstvennyi zaochnyi pedagogicheskii institut. Uchenye zapiski [State Correspondence Pedagogical Institute. Studies]
MH NNC

Moscow. Moskovskii gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [Moscow State Pedagogical Institute. Studies]
CU DNLM MH MH-Z MdBJ
NNC RPB

Moscow. Moskovskii oblastnoi pedagogicheskii institut. Uchenye zapiski [Moscow Province Pedagogical Institute. Studies]
DNAL DS OU RPB

Munich. Ukrains'kyi vil'nyi universytet. Naukovi zapysky [Ukrainian Free University. Studies]
NN

Nalchik. Kabardino-Balkarskii gosudarstvennyi universitet. Uchenye zapiski [Kabardino-Balkar State University. Studies]

Naukove tovarystvo imeni Shevchenka. Evropeis'kyi viddil. Visti [Shevchenko Scientific Society. European Branch. News]

Obshchestvennye nauki v Uzbekistane [Social Sciences in Uzbekistan]
MH NNC WaU

Orekhovo-Zuyevo. Pedagogicheskii institut. Uchenye zapiski [Pedagogical Institute. Studies]

Orsk. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]
MH

Penza. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]

Perm. Universitet. Uchenye zapiski [University. Studies]
CLSU CSfA CU CaOON CtY
DNLM DSI-M ICJ ICU IU
InIA MBN MiU MnU MoU
NN NNC NNM NbU NjR
OCU OU PPAN PU WU

Petrozavodsk. Universitet. Uchenye zapiski [University Studies]
InU NIC NN

Przheval'sk. Gosudarstvennyi pedagogicheskii institut. Trudy [State Pedagogical Institute. Transactions]
MH

Rovno. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]

Samarkand. Uzbekskii gosudarstvennyi universitet. Trudy [Uzbek State University. Transactions]
CU ICU InU MH NjP
RPB WU

Saransk. Mordovskii gosudarstvennyi universitet. Uchenye zapiski [Mordvinian State University. Studies]
MH MiU NjP RPB WU

Saratov. Universitet. Uchenye zapiski [University. Studies]
CLU CSt CSt-L CU CtY
DNAL DNLM ICU IU MBN
MCM MH MdBJ MiU MnU
NBM NIC-A NN NNBG NNC
NNM NNNAM NcU NjP OU
PPAN RPB WaU

Sovetskaia antarkticheskaia ekspeditsiia, 1955-1958. Informatsionnyi biulleten' [Soviet Antarctic Expedition, 1955-1958. Information Bulletin]
DSI KyU MWhB NIC

Sovremennaia kitaiskaia literatura po obshchestvennym naukam; referativnyi sbornik [Contemporary Chinese Literature on the Social Sciences; Journal of Abstracts]

Tallinn. Pedagoogiline Institut. Teaduslikud toimetised. Uchenye zapiski Tallinskogo pedagogicheskogo instituta [Pedagogical Institute. Studies]

Tartu. Ulikool. Toimetised. Uchenye zapiski Tartuskogo gosudarstvennogo universiteta [University. Studies]
CLU DNAL DNLM IU NNC

Tashkent. Universitet. Nauchnye trudy [University. Studies]

Tiflis. Universitet. Trudy [University. Transactions]
CU ICF InU MH MiU
NNM RPB

Tiraspol'. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]
MH

Tomsk. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]
MH

Tomsk. Universitet. Trudy [University. Transactions]
CLSU CSfA CU CaOOG CtY
DNAL DNLM DSI-M ICI ICJ
ICU IU MB MBN MH
MH-Z MWhB MdBJ MiU MnU
NIC NN NNC NNaM NNNAM
NjP PPAN PPAmP RPB WaU

Ukrains'ka vil'na akademiia nauk. Serilia Litopys [Ukrainian Free Academy of Sciences. Series Chronicle]

Ukrains'ka vil'na akademiia nauk. Serilia Ukrains'ki vcheni [Ukrainian Free Academy of Sciences. Series Ukrainian Scholars]

Ukrains'ka vil'na akademiia nauk. Serilia Zbirnykh zakhodoznavstva [Ukrainian Free Academy of Sciences. Series Ukrainica Occidentalia]

Ulan-Ude. Buriatskii kompleksnyi nauchno-issledovatel'skii institut. Kratkie soobshcheniia [Buryat General Scientific Research Institute. Brief Reports]
ICMILC MH

Ulan-Ude. Buriatskii kompleksnyi nauchno-issledovatel'skii institut. Trudy [Buryat Scientific Research Institute. Transactions]
CLU CU ICMILC

Uzhgorod. Universytet. Naukovi zapysky [University. Studies]
CaOTU ICU IU InU MH
WU

Velikiye Luki. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]
DDO MH

Vinnitsa. Derzhavnyi pedagogichnyi instytut. Doklady i soobshchennia [State Pedagogical Institute. Reports and Papers]

Volgograd. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]
MH

Vologda. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]
MH

Voronezh. Gosudarstvennyi pedagogicheskii institut. Izvestiia [State Pedagogical Institute. Bulletin]

Voronezh. Universitet. Trudy [University. Transactions]
CSfA CU CaOTU CtY DNAL
ICJ ICU IU LNHT MH
MWhB MiU MnU MoSB MoU
N NBM NIC-A NN NNC
NNM NNNAM NYBT NjP PPAN
PPAmP PU RPB WU

Yaroslavl. Gosudarstvennyi pedagogicheskii institut. Konferentsiia. Doklady na nauchnykh konferentsiiakh [State Pedagogical Institute. Conference. Reports at Scientific Conferences]

Zaporozh'ye. Derzhavnyi pedagogichnyi instytut. Nauchnye zapiski [State Pedagogical Institute. Studies]
MH WaU

b) Popular magazines

Amerika; illiustrirovannyi zhurnal [America; Illustrated]
CLSU DC IU MB MiU
NN NNC OCl OClW OrU
PSC PU RPB ViW

Anglia [England]

Azia i Afrika segodnia [Asia and Africa Today]
CLSU CLU CSt-H CStmoR CU
DS ICMILC IU InU KU
MH MWelC MiU NIC NN
NNC NcU NhD ViU

Barvinok [Periwinkle]
NN

Belarus' [White Russia]
CtY NN NNC

Belaruskaia moladz' [Byelorussian Youth]

Berniba [Childhood]

Biarozka [The Little Birch]

Bilim zhěně enbek [Science and Work]

Dadzis [Thistle]

Druzhno vpered [Forward Together]

Ekran [Screen]
CSt-H NN

Evening bells. Vechernii zvon.

Feniks [Phoenix]

Jaunimo gretos [The Ranks of Youth]

Kapkan; Chuvashskii satiricheskii zhurnal [Trap; Chuvash Satirical Magazine]

Khorpushtak [Hedgehog]

Kiperush; zhurnal satiry i iumora [Pepper; Magazine of Satire and Humor]

Kirpi [Hedgehog]

Latai [China]

Koreia (People's Democratic Republic, 1948-). Dept. of Cultural Relations With Foreign Countries. Informatsionnyi biulleten' [Information Bulletin]

Koreia [Korea]

Koster [Camp Fire]
NNIS

Krokodil [Crocodile]
CLU CSt-H CU CaOTU CtY
ICU KU MdBJ MnU N
NIC NN NNC NNIS NcU
OU

Kul'tura i zhizn' [Culture and Life]
CLU IU MtBC NN NNC
NjP OU ViU

Kultura ja elu [Culture and Life]

Kyiv [Kiev]

Liesma [Flame]

Madeniet zhene turmys [Culture and Life]

Murzilka [Tiny Tot]
CLU IU MH NNIS

Mushtum [Punch]

My i svit [We and the World]

Narodnaia Rumyniia [People's Rumania]

Noorus [Youth]

Novaia Albaniia [New Albania]

Novaia Koreia

Novosti Korei [News of Korea]

Ogonek [The Little Light]
AzU CLU CSt-H CStmoR CtY
DS MH MdBJ MiD MnU
NN NNC NNIS OCIW OU
PP PU RPB WaU

Otvechaem na voprosy rabochikh [We Answer Workers' Questions]

Otvety na voprosy trudiashchikhsia [Replies to Workers' Questions]
CLU CtY ICU MH NN

Ovyd [Horizon]
NN

Percts' [Pepper]
NN

Plit ja sona [Picture and Word]

Pioneer [Pioneer]

Pioner [Pioneer]
CLU CSt-L MH NN NNC
NNIS PU

Pioner [Pioneer]. In Armenian.

Pioner [Pioneer]. In Turkmen.

Pionerija [Pioneers]
NNIS

Polsha [Poland]

Rabochie-krest'ianskii korrespondent [Workers' and Peasants' Correspondent]
KU

Rodina [Our Country]

Rodnye dali [Beloved Vistas]
CLU

Rovesnik [Contemporary]

Russkoe slovo v Kanade [The Russian Word in Canada]

Samostiina Ukraina [Independent Ukraine]

Seiatel' [Sower]

Sel'skaia molodezh' [Rural Youth]
CLU CSt-H DNAL MH MdBJ
NN NNC NNIS NjP

Shmel' [Bumblebee]

Sluota [The Broom]

Soglasie [Concord]
CLU NN

Sotsialistychna kul'tura [Socialist Culture]
DS NN

Sovetakan Aiastan [Soviet Armenia]

Sovetskii Soiuz [Soviet Union]
DS InU MH MtBC NN
NNC NNIS TNH WaU ViU

Sovremennaia Mongoliia [Contemporary Mongolia]

Svobodnoe slovo; ezhemesiachnyi karpato-russkii zhurnal [Free Word; Carpatho-Russian Monthly]
NN

Svyturys [The Lighthouse]

Ukraina [The Ukraine]
CLU CSt-H CU CaOTU MH
NN NNBG NNC

Ukrains'ke tovarystvo druzhby i kul'turnoho zv'iazku z zarubizhnymy krainamy. Po radians'kii Ukraini; fotokhronika [Ukrainian Society for Friendship and Cultural Relations With Foreign Countries. Through Soviet Ukraine; Photo Report]

Ural'skii sledopyt [Ural Pathfinder]

Uzbekistan [Uzbekistan]
CU NNIS

Veselka [The Rainbow]

Vietnam [Vietnam]

Vezhyk [Hedgehog]

Vsesvit, The Universe.
CaOTU IU OOxM

Vyzvol'nyi shliakh [Liberation Path]
NN

Za synim okeanom [Beyond the Blue Ocean]

Zhizn' glukhikh [Life of the Deaf]

Zhizn' slepykh [Life of the Blind]

Zvaigzne [The Star]

2. BIBLIOGRAPHY

a) Bibliography

Akademiia nauk Gruzinskoi SSR, Tiflis. Institut rukopisei. Izvestiia [Academy of Sciences of the Georgian S.S.R. Institute of Manuscripts. Bulletin].
CtY MH

Akademiia nauk SSSR. Biblioteka. Novye inostrannye knigi, katalog novykh postuplenii .... [Academy of Sciences of the U.S.S.R. Library. New Foreign Books; Catalog of New Accessions ....]

Baldos; zhurnal ukrainskoi bibliografii [Journal of Ukrainian Bibliography]

Chto chitat' [What to Read]
CU IU MH NN NNC
NjP

Ezhegodnik knigi SSSR; sistematicheskii ukazatel' [Annual of Soviet Books, Classed Index]
CLU CSt-H CU CaOTU CtY
DBC DNAL DS FMU FTaSU
ICU IEN InU KU MBdAF
MH MiDM MiU MoSW NN
NNC NNNAM NcD NcU RPB
TxU WaU

Gosudarstvennaia knizhnaia palata Uzbekskoi SSR. Knizhnaia letopis' [State Book Chamber of the Uzbek S.S.R. Book Chronicle]

Informatsionnyi ukazatel' bibliograficheskikh spiskov i kartotek, sostavlennykh bibliotekami Sovetskogo Soiuza [Information Index of Bibliographic Lists and Card Files, Compiled by the Libraries of the Soviet Union]
DNLM DS NNC RPB

Jaunas gramatas [New Books]

Knizhnaia letopis' [Book Chronicle]
CSt-H CtU CU-E CoU CtY
DNAL DBS DNLM DS GAT
ICU IEN IU InU MH
MiU MdBJ MiU MnU MoSW
N NN NNC NRU NcD
NcU OCl OCU OU PU
RPB WaU

Latvijas PSR preses hronika. Letopis' pechati Latvijskoi SSR [Chronicle of Publications of the Latvian S.S.R.]
MH

Leningrad. Publichnaia biblioteka. Na temy dnia [Public Library. Topics of the Day]

Letopis' gazetnykh statei [Chronicle of Newspaper Articles]
CU DNLM DS KU MdBJ
NN NNC NNIS NcD WaU

Letopis' periodicheskikh izdanii SSSR [Chronicle of Periodical Publications of the U.S.S.R.]
CLSU CLU CU CaOTU CtY
DNAL DNLM DS ICU KU
MiDM MH MdBJ MiU NN
NNC NcU PU TxU WaU

Letopis' retsenzii [Chronicle of Reviews]
CLU CSt-H CU CaOTU DC
DNLM DS KU MH MiU
NN NNC NNIS NcU NjP
PU WaU

Letopis' zhurnal'nykh statei [Chronical of Periodical Articles]
CSt-H CU CaAEU CaOTU CoBBS
DBS DNAL DNLM DS ICU
InU KU LU MH MiU
MnU NIC NN NNC NNIS
TxU WaU

Literatura o Zapadnoi Sibiri [Literature on Western Siberia]

Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriia 1: Fiziko-matematicheskie, khimicheskie i geologo-geograficheskie nauki; tekhnika i tekhnicheskie nauki; tekhnicheskie katalogi zarubezhnykh firm [Public Library. Information Bulletin of New Foreign Books Received by the Lenin Library. Series 1: Physical-Mathematical, Chemical and Geological-Geographical Sciences, Technology and Technological Sciences, Technological Catalogs of Foreign Firms]
NNC

Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriia 2. Biologicheskie, meditsinskie i sel'skokhoziaistvennye nauki [Public Library. Information Bulletin of New Foreign Books Received by the Lenin Library. Series 2 Biological, Medical, and Agricultural Sciences]
NNC

Moscow. Publichnaia biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriia 3 Obshchestvennye nauki, khudozhestvennaia literatura [Public Library Information Bulletin of New Foreign Books Received by the Lenin Library. Series 3. Social Sciences and Belles-Lettres]
NNC

Moscow. Publichnaia biblioteka. Knigi 1953 goda, rekomendatel'nyi ukazatel' literatury dlia bibliotek [Public Library. Books of the Year 1953; Index of Recommended Literature for Libraries]

Moscow. Publichnaia biblioteka. Otdel rukopisei. Zapiski [Public Library. Manuscript Division. Records]
CLU CSt-H CU CaOTU CtY
DDO ICU IEN InU KU
MH MnU NN NNC NRU
NcU OU RPB WaU

Naujos knygos [New Books]

Novaia literatura o nauke i nauchno-issledovatel'skoi rabote za rubezhom [New Literature on Science and Research Abroad]

Novaia literatura ob Ul'ianovskoi oblasti [New Literature on Ul'yanovsk Province]
MH

Novaia literatura po Bolgarii [New Literature on Bulgaria]
IU NNC

Novaia literatura po Chekhoslovakii [New Literature on Czechoslovakia]
IU NNC

Novaia literatura po Germanskoi Demokraticheskoi Respublike [New Literature on the German Democratic Republic]

Novaia literatura po IUgoslavii [New Literature on Yugoslavia]
NNC

Novaia literatura po Pol'she [New Literature on Poland]
IU NNC

Novaia literatura po Rumynii [New Literature on Rumania]
IU NNC

Novaia literatura po Vengrii [New Literature on Hungary]
IU NNC

Novaia sovetskaia i inostrannaia literatura po stranam zarubezhnogo Vostoka [New Soviet and Foreign Literature on the Countries of the Non-Soviet East]
MiU NIC NNC

Novaia sovetskaia literatura o nauke i nauchno-issledovatel'skoi rabote v SSSR [New Soviet Literature on Science and General Research in the U.S.S.R.]

Novye knigi [New Books]
AzU CLSU CStbS CU CU-S
CaOON CoBBS CtY DBC DNAL
DNLM DS FU IU InU
LNHT MH MiU MnU NN
NNC NNIS NcU RPB TxU
ULA WaU

Novye knigi bibliograficheskii ezhenedel'nik [New Books; Bibliographical Weekly]

Novyo knigi SSSR [New Books of the U.S.S.R.]
CSt MH

Novye knigi za rubezhom. Seriia V: Biologiia, meditsina, sel'skoe khoziaistvo [New Foreign Books. Series V: Biology, Medicine, Agriculture]

Novye knigi za rubezhom po obshchestvennym naukam; ekonomika, filosofiia, istoriia, mezhdunarodnye otnosheniia [New Foreign Books on the Social Sciences, Economics, Philosophy, History, International Relations]

Saratov, Universitet, Nauchnaia biblioteka. Bibliografiia Saratovskoi oblasti [University, Research Library. Bibliography of Saratov Province]
ICU MH

Sovetskaia bibliografiia [Soviet Bibliography]
CSt-H CU ICMILC ICU MH
NN NNC

Svodnyi biulleten' novykh inostrannykh knig, postupivshikh v biblioteki SSSR. Seriia A: Estestvennye nauki, meditsina, sel'skoe khoziaistvo, tekhnika [Union List of New Foreign Books Received by the Libraries of the U.S.S.R. Series A: Natural Sciences, Medicine, Agriculture, Technology]
DC DNLM

Svodnyi biulleten' novykh inostrannykh knig, postupivshikh v biblioteki SSSR. Seriia B Obshchestvennye nauki [Union List of New Foreign Books Received by the Libraries of the U.S.S.R. Series B Social Sciences]
CU DBC DNLM

Tashkent. Universitet. Materialy k bibliografii [University. Materials for Bibliography]
CSt-H CU CtY DNAL DSI
MH MnU MoKL NN NNC
NjP WaU

V mire knig [In the World of Books]
CLU CU DNLM NNC

V pomoshch' chitateliu, annotirovannye spiski literatury [Reader's Aids, an Annotated Bibliography]

V pomoshch' shkole, informatsionno-metodicheskii sbornik [Aid for the School, Information and Methodological Papers]

Vsesoiuznaia knizhnaia palata. Bibliograficheskoe bibliografii [All-Union Book Chamber. Bibliography of Soviet Bibliography]
CLSU CLU CStmoR CU DBC
DNAL DNLM DSI GU InU
KU MdBJ MiU NN NNC
NcD PPBC PPC WaU

b) Libraries & library science

Bibliotekar' [The Librarian]
CLU CSt-H CU CtY DC
DNAL DNLM DS ICU IEN
IU KU MB MBdAF MH
MnU NN NNC NNIS P
RPB WaU

Biblioteki SSSR [Libraries of the U.S.S.R.]
CLU CU DNAL IU KyU
MH MiU MnU NIC NN
NNC OU ViU WaU

Bibliotekininkystes ir bibliografijos klausimai. Voprosy bibliotekovedeniia i bibliografii [Problems in Library Science and Bibliography]

Bibliotekovedenie i bibliografiia; ukazatel' literatury [Library Science and Bibliography, an Index to the Literature]
CLU DNAL DS NN NNC
NcU

Bibliotekovedenie i bibliografiia za rubezhom [Library Science and Bibliography Abroad]
CU ICU KyU MH NN
NNC RPB

Informatsiia o bibliotechnom dele i bibliografii za rubezhom, sbornik materialov [Information About Library Work and Bibliography Abroad, Materials]

Leningrad, Gosudarstvennyi bibliotechnyi institut. Trudy [State Library Institute. Transactions]

Leningrad. Publichnaia biblioteka. Trudy [Public Library Transactions]
CLU CSt-H FMU ICU IU
InU MH MiU NIC NNC
NcU OU RPB

Moscow. Publichnaia biblioteka. Trudy [Public Library. Transactions]
CLU CU CtY DS ICU
IU InU MH MiU MoU
N NIC NN NNC NcD
NcU OU PSt WaU

Moscow. Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury. Opyt raboty bibliotek s inostrannoi literaturoi [All-Union State Library of Foreign Literature. Library Practices in Working With Foreign Materials]

c) Printing & the book trade

Kniga; issledovaniia i materialy [The Book, Studies and Papers]
CLSU CSt CSt-H CU CtY
ICN ICU IU InU LU
MH MiU NIC NN NNC
OU WaU

Moscow. Nauchno-issledovatel'skii institut poligraficheskogo mashinostroeniia. Trudy [Scientific Research Institute of Printing Machinery Manufacture. Transactions]
ViU

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut poligraficheskoi promyshlennosti. Informatsionnye materialy [All-Union Scientific Research Institute of the Printing Industry. Informative Materials]

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut poligraficheskoi promyshlennosti. Sbornik nauchnykh rabot [All-Union Scientific Research Institute of the Printing Industry. Collection of Scientific Papers]
NN

Pechat' SSSR, (1962; statisticheskie materialy [The Press of the U.S.S.R., (1962), Statistical Material]
CLU CSt-H CStmoR CU CaOTU
CtY DBC DC MCM MiU
NN NNC NcD NjR OONM
PSt TxU WaU

Poligrafichesko proizvodstvo [Printing Industry]
ICJ MH MdBJ MoKL NN
NNIS

Raspространenie pechati [Distribution of Publications]
CLU CSt-H KU MH NN
NNIS

Sovetskaia knizhnaia torgovlia [Soviet Book Trade]
CaOON FU IU MdU NNC
NNIS

3. PHILOSOPHY & RELIGION

a) Philosophy

Akademiia nauk Gruzinskoi SSR, Tiflis. Institut filosofii. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Philosophy. Transactions]
MH NNC

Akademiia nauk Gruzinskoi SSR, Tiflis. Institut psikhologii. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Psychology. Transactions]

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut filosofii i prava. Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of Philosophy and Law. Transactions]
KU-L NIC NNC NNC-L PPAmP
WaU

Lietuvos TSR aukstuju mokyklu mokslo darbai; Filosofija. Uchenye zapiski vysshikh uchebnykh zavedenii Litovskoi SSR, Filosofiia [Studies by the Institutions of Higher Learning of the Lithuanian S.S.R. Philosophy]

Novaia inostrannaia literatura po filosofii [New Foreign Literature on Philosophy]

Novaia sovetskaia literatura po filosofii [New Soviet Literature on Philosophy]

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly; filosofskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools, Philosophical Sciences]
CLU CU CaAEU IAU InU
KU MH MdBJ MiU NIC
NN NNC NNF NjP OU
RPB ViU

Uchenye zapiski kafedr dialekticheskogo i istoricheskogo materializma Vysshei partiinoi shkoly pri TsK KPSS i mestnykh vysshikh partiinykh shkol [Studies by the Departments of Dialectical and Historical Materialism of the Higher Party School Attached to the Central Committee of the Communist Party of the Soviet Union, and Local Higher Party Schools]
CSt-H CU CtY ICU MH
MiU NNC

Voprosy estetiki [Problems of Aesthetics]
CLU NN

Voprosy filosofii [Problems of Philosophy]
CLSU CLU CSt-H CU CaAEU
CaOOAg CtY DS ICU IU
IaU KU MH MiU MnU
NIC NN NNC NNF NNIS
NcD NcU NhD OCU PPAmP
RPB WaU

Voprosy metodiki prepodavaniia marksistsko-leninskoi filosofii v vuzakh [Methodological Problems in Teaching the Marxist-Leninist Philosophy in the Institutions of Higher Learning]

Voprosy psikhologii [Problems of Psychology]
DNIH DNLM InLP MH MdBJ
MiU MnU MoU NIC NNC
NNF NNIS NNNAM OU PSt
RPB TU ViU

b) Religion

Belaruski katolik. Byelorussian Catholic.

Belyi lotos [White Lotus]

Bratskii vestnik [Herald of Brotherhood]
MH NN NNIS

Dukhovnoe probuzhdenie [Spiritual Awakening]

Golos pravoslavlia [Voice of the Orthodox]

Holos Spasytelia. The Redeemer's Voice. In Ukrainian.

Holas tsarkvy [The Voice of the Church]

Nauka i religiia [Science and Religion]
KU

Novaia sovetskaia i inostrannaia literatura po voprosam religii i ateizma [New Soviet and Foreign Literature on the Problems of Religion and Atheism]

Orthodox Eastern Church, Russian. Patriarch. Zhurnal Moskovskoi Patriarkhii [Journal of the Moscow Patriarchate]
CLU CtY DDO DS ICU
IU InU KU MH MH-AH
NN NNC NNIS NcD NhD
WaU

Pravoslavnyi ukrainets' [The Orthodox Ukrainian]

Ridna tserkva [Our Beloved Church]

Rossiia i Vselenskaia tserkov' [Russia and the Universal Church]

Russko-Amerikanskii pravoslavnyi vestnik [The Russian-American Orthodox Messenger]
MH NN

Russkoe studencheskoe khristianskoe dvizhenie. Vestnik [Russian Students Christian Movement. Messenger]
CLU CU

Svitlo [The Light]

TSerkovnaia zhizn' [Church Life]
NN

Ukrams'ke pravoslavne slovo [Ukrainian Orthodox Word]
CLU

Vechnoe [The Eternal]

Vira i kul'tura [Faith and Culture]

Voiovnychyi ateist [Militant Atheist]

Voprosy istorii religii i ateizma [Problems of the History of Religion and Atheism]
CLU CSt-H CU CoU CtY
DS ICMILC ICU IEN IU
InU MH MnU NIC NN
NNC NcD NcU NjP OU
PU RPB WaU

Western Europe (Exarchate). Vestnik Russkogo zapadno-evropeiskogo patriarshego ekzarkhata [Messenger of the Russian West European Patriarchal Exarchate]
MH

4. HISTORY

a) General

Afrikanskii sbornik [African Papers]

Akademiia nauk Armianskoi SSR, Erivan. Istoriko-filologicheskii zhurnal [Academy of Sciences of the Armenian S.S.R. Historical and Philological Review]
DDO KU NNC RPB

Akademiia nauk Gruzinskoi SSR, Tiflis. Institut istorii. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of History. Transactions]
MH NNC

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut istorii, arkheologii i etnografii. Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of History, Archaeology, and Ethnography. Transactions]
CLU CSt-H CU CtY DS
ICU IEN IU InU InU
KyU MH MiU NN NNC
NNM NcD OU PSt WaU

Akademiia nauk SSSR. Institut istorii. Problemy istochnikovedeniia [Academy of Sciences of the U.S.S.R. Institute of History. Problems of the Study of Historical Sources]
CLU CaQMM DS ICU IU
MH MdBJ MiU NN NNC
NcD NcU OCl OrU RPB
WaU

Akademiia nauk SSSR. Institut istorii. Srednie veka [Academy of Sciences of the U.S.S.R. Institute of History. The Middle Ages]
CLU CSt-H CU ICU MH
MnU NIC NN NNC NcD
NcU RPB WaU

Akademiia nauk SSSR. Institut istorii. Vestnik drevnei istorii [Academy of Sciences of the U.S.S.R. Institute of History. Review of Ancient History]
CLSU CLU CSt-H CU CtY
DDO DS FU ICU IU
InNd MH MdBJ MiU MnU
MoU NIC NN NNC NNIS
NNMM NbU NcD NcU NjP
OCl PPiU RPB WaU

Akademiia nauk SSSR. Institut istorii. Leningradskoe otdelenie. Trudy [Academy of Sciences of the U.S.S.R. Institute of History. Leningrad Branch. Translations]
CLU CSt CSt-H CaOTU DS
ICMILC IU IaU KU MH
MiDW MiU NBC NIC NN
NNC NRU NcD NjP OU
OrU PSt RPB TxHR WU
WaU

Akademiia nauk SSSR. Institut narodov Azii. Kratkie soobshcheniia [Academy of Sciences of the U.S.S.R. Institute of the Peoples of Asia. Brief Reports]
CLSU CLU CSt-H CStmoR CU
CtY DNAL DS ICMILC KU
MH MiU NIC NN NNC
NcD NcU NjP NjR OU
PU RPB TxU ViU WaU

Akademiia nauk SSSR. Institut slavianovedeniia. Kratkie soobshcheniia [Academy of Sciences of the U.S.S.R. Institute of Slavic Studies. Brief Reports]
CLSU CLU CSt-H CU CU-I
CaOTU CaQMM CtY DBC ICMILC
ICU IEN IU IaU InU
KU MiU NIC NN NNC
NcU OU PSt PU RPB
TxU ViU WaU

Akademiia nauk SSSR. Institut slavianovedeniia. Uchenye zapiski [Academy of Sciences of the U.S.S.R. Institute of Slavic Studies. Studies]
AU CLSU CLU CU CaOTU
CtY DDO InU InU KU
MH NIC NN NNC NcD
NcU NhD OU PU RPB
WU WaU

Akademiia nauk Tadzhikskoi SSR, Dushanbe. Institut istorii. Trudy [Academy of Sciences of the Tajik S.S.R. Institute of History. Transactions]
CLU CU ICU IU MH
MH-P NN NNC RPB TxU

Akademiia nauk Turkmenskoi SSR, Ashkhabad. Institut istorii, arkheologii i etnografii. Trudy [Academy of Sciences of the Turkmen S.S.R. Institute of History, Archaeology, and Ethnology. Transactions]
IU MiU NIC

Baku. Muzei istorii Azerbaidzhana. Trudy [Museum of the History of Azerbaijan. Transactions]
IU MH

Evrei i evreiskii narod; sbornik materialov iz sovetskoi tsentral'noi i periodicheskoi pechati [Jews and the Jewish People; Materials from the Soviet Daily and Periodical Press]

Institut zur Erforschung der UdSSR. Issledovaniia i materialy [Institute for the Study of U.S.S.R. Investigations and Materials]
CLSU CLU CSt-H CU CaOTU
CtY DNAL DDO DNLM DS
FTaSU ICU IU IaU InU
MH MH-L MH-P MdBJ MiD
MiDW MiU NIC NN NNC
NNC-T NcD NjP OU PSt
PU PU-FI RPB TxU ViU
VtMiM WaU

Institut zur Erforschung der UdSSR. Materialy i Archivnenia Issledovatel'skogo otdela [Institute for the Study of the U.S.S.R. Materials and Reports of the Research Department]
NNC

Istoricheskie zapiski [Historical Records]
CLU CSt-H CU CU-Riv CtY
DS ICU MH MdBJ MiDW
NIC NN NNC NNIS NjP
NjR O OU PSt PU
RPB

Istoricheskii arkhiv [Historical Archives]
CLSU CLU CU CaOTU DHU
ICMILC ICU IU KMK KU
MdBJ MiU MnU MoU NN
NNC NcU RPB WU

Istoriia SSSR [History of the U.S.S.R.]
AzU CLSU CLU CSt-H CSdS
CoU CtY DBC DS ICMILC
ICU IU InLP InU KU
MiU NIC NN NNC NNI
NNU NcU NjP OU PSt
PU RPB TxHR ViU WU
WaU

Kalendar' znamenatel'nykh i pamiatnykh dat [Calendar of Significant and Memorable Dates]
DS IU NN NNC

Kishkta. Kishkinskii respublikanskii muzei kraevedeniia. Trudy Kishkinskogo muzeia kraevedeniia i Kishkinskogo otdela Geograficheskogo obshchestva SSSR [Kyrgyzta Republic Museum for Regional Study]

Kishinev. Gosudarstvennyi istoriko-kraevedcheskii muzei. Trudy [State Regional and Local History Museum. Transactions]
IU MH

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Vestures instituta. Ventures problemas [Academy of Sciences of the Latvian S.S.R. Institute of History. Problems in History]
PU

Lietuvos TSR aukstuju mokyklu mokslo darbai: Istorija. Nauchnye trudy vysshikh uchebnykh zavedenii Litovskoi SSR: Istoriia [Studies by the Institutions of Higher Learning of the Lithuanian S.S.R.: History]

Litopys Volyni [Volhynian Chronicle]
NN

Lvov. Universytet. Visnyk. Serila istorychna [University. Review. Historical Series]
CU

Materialy po istorii Gruzii i Kavkaza [Materials on the History of Georgia and the Caucasus]
IC1 MH NN

Moscow. Gosudarstvennyi istoriko-arkhivnyi institut. Trudy [State Institute of History and Archives]
CU IU NN

Moscow. Muzei istorii i rekonstruktsii Moskvy. Trudy [Museum of the History and Reconstruction of Moscow. Transactions]
CESU CLU CU CSt CaOTU
CoU DDO IEN KU MH
MH-P MiU NIC NNC NjP
OU PSt RPB TNJ ViMtM
WU WaU

Moscow. Nauchno-issledovatel'skii institut muzeevedeniia. Trudy [Scientific Research Institute of Museum Organization. Transactions]
CU MH NNC PSt

Moscow. Universitet. Vestnik. Seriia 9: Istoriia [Bulletin. Review. Series 9: Historical Sciences]
AzU CLSU CU CoU DS
DSI GLU ICU KU MBU
MH MdBJ NN NNC NRU
OCU RPB

Narody Azii i Afriki; istoriia, ekonomika, kul'tura [People of Asia and Africa; History, Economics, Culture]
AAU CLSU CLU CSt-H CU
CaOTU CtY DC FU ICMILC
ICU IEN IU InU KyU
MH MiDW MiU NIC NN
NNC OkU OrU ViU WU
WaU

Novaia i noveishaia istoriia [Modern and Recent History]
CLSU CLU CSt-H CaBVaU CaOTU
CtY DS ICMILC ICU IU
InEP KyU MH MiU NIC
NN NNC NcD NcU NhD
NjP OU OrU PSt PU
RPB ViU

Novaia inostrannaia literatura po istorii, arkheologii i etnografii [New Foreign Literature on History, Archeology and Ethnography]
sNC

Novaia sovetskaia literatura po istorii, arkheologii i etnografii [New Soviet Literature on History, Archeology and Ethnography]
sNC

Obshchestvo russkikh veteranov Velikoi Voiny, San Francisco. Vestnik [Society of Russian Veterans of the Great War. Herald]
CLU CSt CU CtY DS
ICMILC ICU KU MiEM MiU
NN NNC OU RPB TxU
WaU

Ocherki po istorii russkogo vostokovedeniia [From the History of Oriental Studies in Russia]
CLU CSt CU CtY DS
ICMILC ICU KU MiEM MiU
NN NNC OU RPB TxU
WaU

Palestinskii sbornik [Palestine Review]
CLU CaOTU CtY DDO ICMILC
ICU InU KU MiU NN
NNC NjP RPB

Prepodavanie istorii v shkole [Teaching History in Schools]
CLU InU MH NN NNC-T
NNIS

Sbornik po istorii stroitel'stva sotsializma i perekhoda k kommunizmu; materialy po istorii Sibiri [Siberia During the Building of Socialism and the Transition to Communism; Materials on the History of Siberia]
CU MH MiU NN

Skandinavskii sbornik [Scandinavian Papers]
CU DS IU MH MiU
NN NNC WaU

Sovremennaia istoriografiia stran zarubezhnogo Vostoka [Contemporary Historiography of the Countries of the Non-Soviet East]
CLU CStmoR CU NNC

Studia Mongolica [Mongolian Studies]

Tashkent. Universitet. Nauchnye trudy, istoricheskie nauki [University. Studies, Historical Sciences]

Tiflis. Muzei Gruzii. Vestnik [Museum of Georgia. Review]

Ukrains'kyi istorychnyi zhurnal [Ukrainian Historical Journal]
CLU CU CaBVaU DCU IU
InU KyU MiU NN NNC
NcU OCU WaU

Vizantiiskii vremennik [Byzantine Chronicle]
CLU CU CaOTU CtY DDO
ICU IaU MH MnU MoSU
NIC NN NjP OU PPIU
RPB TxU

Voenno-istoricheskii zhurnal [Military History Journal]
CSt-H CU DS MCM MH
NN NNC

Voprosy arkhivovedeniia [Problems of Archives]
CLU CU MH MdBJ MiU
NN NjP WaU

Voprosy istorii [Problems of History]
CLSU CLU CSt-H CU CU-A
CaOTU CaSSU CtY DS DeU
FTaSU ICN ICU IU IaU
InNd InU KU MH MNS
MdBJ MeB MiU MnU NIC
NN NNC NNIS NNU NSyU
NcD NcU NhD OOxM OU
OkU PU RPB TxU WU
WaU

Winnipeg. Ukrainian Research Institute of Volyn. Proceedings

Z istorii Ukrains'koi RSR [From the History of the Ukrainian S. S. R.]
CoU CtY IU InU MH
MiU NN NNC WaU

b) Archaeology & antiquities

Akademiia nauk SSSR. Institut arkheologii. Kratkie soobshcheniia o dokladakh i polevykh issledovaniiakh [Academy of Sciences of the U. S. S. R. Institute of Archaeology. Brief Summaries of Reports and Field Explorations]
CLSU CLU CU CaOTU CtY
DDO ICU InU InU KU
MH-P MdU MiU MoU NCorniC
NIC NN NNC NNIS OU
OrU PU-Mu RPB

Akademiia nauk Tadzhikskoi SSR, Dushanbe. Institut istorii. Trudy. Arkheologicheskie raboty v Tadzhikistane [Academy of Sciences of the Tajik S. S. R. Institute of History. Archaeological Excavations in Tajikistan]

Arkheologicheskii sbornik [Archaeological Papers]
CLU CU DDO IU InU
MH MH-P NIC

Arkheologichni pamiatky URSR [Archaeological Monuments of the Ukrainian S. S. R.]
CU DDO IU MiU NN
NNC WaU

Epigrafika Vostoka [Epigraphy of the Orient]
CLSU CLU CU CtY ICU
InU NN NNC OU RPB
TxU

Lietuvos TSR Mokslu akademija. Ekonomikos institutas. Darbai. Trudy Instituta ekonomiki Akademii nauk Litovskoi SSR [Academy of Sciences of the Lithuanian S. S. R. Institute of Economics. Transactions]

Material'naia kul'tura Azerbaidzhana [Material Culture of Azerbaijan]
MH

Materialy i doslidzhennia z arkheologii Prikarpattia i Volyni [Materials and Research in the Archaeology of Cisearpathia and Volhynia]
IU InU MH NN

Materialy i issledovaniia po arkheologii SSSR [Materials and Research in the Archaeology of the U. S. S. R.]
CLU Cst CU CaOTU CoU
CtY DDO FU ICF ICU
IEN IaU InU KU LNHT
MH MH-P MdBJ MiU NIC
NN NNC OCl OIH OrU
PSt PU-Mu WU WaU

Numizmatika i epigrafika [Numismatics and Epigraphy]
CLU ICMILC InU MiU NN
NNC OU OrU PSt RPB
TxU

Sovetskaia arkheologiia [Soviet Archaeology]
AzU CaBVaU DSI ICU KU
MiU MoU NNC PU-Mu ViU
WU

5. SOCIAL SCIENCES

a) Commerce

Biulleten' inostrannoi kommercheskoi informatsii; prilozhenie [Bulletin of Foreign Commercial Information. Supplement]

Bukhgalterskii uchet [Accounting]
DBC DS KU NNC

Finskii torgovyi zhurnal [Finnish Commercial Journal]

Kooperator Kazakhstana [The Cooperative Worker of Kazakhstan]
MH

Novye tovary; informatsionnyi biulleten' [New Consumer Goods; Information Bulletin]
KU

Sovetskaia potrebitel'skaia kooperatsiia [Soviet Consumer Cooperation]
DC ViU

Sovetskaia torgovlia [Soviet Commerce]
CSt-H CStmoR CU CaOOS CtY
DBC DNAL IU InU KU
MH MdBJ NN NNC NNIS
NcU NjP OU TxU WU
WaU

Torgovlia za rubezhom [Trade Abroad]
DS MdBJ NNC NNIS WaU

Uut tehnikat kaubanduses [New Technology in Trade]

Vneshniaia torgovlia [Foreign Trade]
CLU CSt-H CStmoR CU CaOOS
DNAL DBC DS ICU IU
KU MCM MH MiU NN
NNC NNIS NcD OU PU
RPB T U WaU

b) Economics

Akademiia nauk SSSR. Ural'skii filial, Sverdlovsk. Otdel ekonomicheskikh issledovanii. Trudy [Academy of Sciences of the U. S. S. R. Ural Branch, Department of Economic Research. Transactions]
ICMILC ICU MH

Akademiia nauk Tadzhikskoi SSR, Dushanbe. Otdel ekonomiki. Trudy [Academy of Sciences of the Tajik S. S. R. Department of Economics. Transactions]

Akademiia stroitel'stva i arkhitektury SSSR. Institut ekonomiki stroitel'stva. Nauchnye soobshcheniia [Academy of Construction and Architecture of the U. S. S. R. Institute of the Economics of Construction. Scientific Reports]

Dushanbe. Universitet. Uchenye zapiski. Kafedra politicheskoi ekonomii. Trudy [University. Studies. Department of Economics. Transactions]

Eesti NSV Teaduste Akadeemia. Majanduse Instituut. Toostuse ja ehituse okonomika kusimusi [Academy of Sciences of the Estonian S. S. R. Institute of Economics. Problems in the Economics of Industry and Construction]

Ekonomika Radians'koi Ukrainy [Economics of the Soviet Ukraine]
CaAEU DC IU MH NNC

Ekonomika sel'skogo khoziaistva [Economics of Agriculture]
CLSU CLU CSt CSt-H CStmoR
CU CaOOS CoFS CtY DBC
DNAL DS ICU IU IaAS
IaU KMK KU MH MdBJ
MiU MoKL NIC-A NN NNC
NNIS NjP OU PU RPB
TxCM TxU WaU

Ekonomika Sovetskoi Ukrainy [Economics of the Soviet Ukraine]
KU

Ekonomika stroitel'stva [Economics of Construction]
CU DC DS MiU NIC
OU

Liaudies ukis [The National Economy]

Lietuvos TSR aukstuju mokyklu mokslo darbai. Ekonomika. Uchenye zapiski vysshikh uchebnykh zavedenii Litovskoi SSR: Ekonomika [Studies by the Institutions of Higher Learning of the Lithuanian S. S. R.: Economics]

Materialy po ekonomicheskoi geografii zarubezhnykh stran [Materials on the Economic Geography of Foreign Countries]

Mirovaia ekonomika i mezhdunarodnye otnosheniia [World Economics and International Relations]
CLSU CLU CStbS CSt-H CStmoR
CU CaOTU DC DFR DNLM
DS ICMILC ICU IU InU
KU KyU MH MiU NIC
NN NNC NhD NjR PBL
PU TxU ViU WU

Moscow. Ekonomiko-statisticheskii institut. Voprosy statistiki i ucheta [Institute of Economics and Statistics. Problems of Statistics and Accounting]
CaOTU CoU DBC ICU IU
MiU NNC

Moscow. Universitet. Vestnik. Seriia 8: Ekonomika, filosofiia [University. Review. Series 8: Economics, Philosophy]
CLU CU DS ICU IU
KU MBU MH MdBJ MiU
NN NNC NRU NcU OrU
RPB WaU

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut ekonomiki sel'skogo khoziaistva. Doklady i soobshcheniia [All-Union Scientific Research Institute of Agricultural Economics. Reports and Papers]

Narodnoe khoziaistvo Armenii [The National Economy of Armenia]

Narodnoe khoziaistvo Estonskoi SSR [The National Economy of the Estonian S. S. R.]

Narodnoe khoziaistvo Kazakhstana [The National Economy of Kazakhstan]
DNAL DS

Narodnoe khoziaistvo Uzbekistana [The National Economy of Uzbekistan]
CU DNAL

Novaia inostrannaia ekonomicheskaia literatura [New Foreign Economic Literature]

Novaia sovetskaia ekonomicheskaia literatura [New Soviet Economic Literature]
MH

Planovoe khoziaistvo [Planned Economy]

CLSU	CLU	CSt-H	CStmoR	CU
CaOOS	CaOTU	CtY	DBC	DNAL
DS	ICJ	ICU	IEN	IU
InU	KU	MCM	MH	MiD
MiU	MnU	NIC-A	NN	NNA
NNC	NNIS	NcD	NcU	NjP
NjR	O	OU	PBm	PSt
PU	RPB	TxU	WaU	

Pytannia politekonomii [Problems in Economics]

Referativnyi sbornik: Ekonomika promyshlennosti [Journal of Abstracts: Economics of Industry]

CU	ICMILC	KU	MH	NIC
NNC	OU	PU		

Russia (1923- U S S R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly, ekonomicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools, Economics]

CU	CaAEU	DS	ICU	IU
IaU	InNd	InU	KU	MH
MdBJ	MiU	NIC	NN	NNC
NNF	NRU	NjP	NjR	NRU
OCoB	ViU			

Sbornik pravil perevozok i tarifov zheleznodorozhnogo transporta Soiuza SSR [Collection of Regulations Governing Railroad Transportation and Rates in the U. S. S. R.]
DS

Sotsialisticheskii sposob proizvodstva [Socialist Method of Production]

DBC	MH	NN	NIC	NcD

Tashkent, Finansovo-ekonomicheskii institut. Nauchnye zapiski [Financial and Economic Institute. Studies]

Uchenye zapiski kafedr obshchestvennykh nauk vuzov g. Leningrada; Politicheskaia ekonomiia [Studies by the Departments of Social Sciences of Leningrad Institutions of Higher Education, Economics]

CLU	CU	CaOTU	CtY	DS
IEN	IU	KU	MH	MdBJ
MiU	NIC	NN	NNC	NjP
WU				

Uchenye zapiski po statistike [Studies in Statistics]

CSt	CU	CtY	DS	ICMILC
IU	InU	MH	MiU	NIC
NNC	NcD	NjP	PPiU	RPB
ViU	WaU			

Uchet i finansy v kolkhozakh i sovkhozakh [Accounting and Finance on Collective and State Farms]

DNAL	DS

Ukrains'kyi hospodarnyk. The Ukrainian Economist

Vestnik statistiki [Statistical Review]

CLU	CSt-H	CStmoR	CU	CaOOS
CaOTU	CtY	DBC	DFR	DS
ICJ	ICU	IaAS	InLP	KU
MdU	MiU	NN	NNIS	NcU
OU	RPB	TxU	WU	WaU

Voprosy ekonomiki [Problems of the Economy]

CLSU	CLU	CSt-H	CStbS	CStmoR
CU	CaAEU	CaOOS	CaOTU	CaQMM
CtY	DBC	DNAL	DS	ICU
IU	IaU	InNd	KU	MH
MNS	MdBJ	MiU	MnU	NIC
NN	NNC	NNIS	NRU	NSyU
NcD	NcU	NhD	OU	PPiU
PU	RPB	WU	WaU	

Voprosy ekonomiki promyshlennosti Kirgizii [Problems in the Economics of the Industry of Kirghizia]

Voprosy ekonomiki sel'skogo khoziaistva Uzbekistana [Problems in the Economics of the Agriculture of Uzbekistan]

c) Finance

Den'gi i kredit [Money and Credit]

CLU	CStmoR	CU	CaOOS	CaOTU
DBC	DS	ICU	IU	KU
MdBJ	MiU	MnU	NN	NIC
NNC	NcU	TxU	WU	WaU

Finansy SSSR [Finance of the U. S. S. R.]

CLSU	CLU	CSt-H	CStmoR	CU
CaOOS	CaOTU	CtY	DBC	DS
ICU	IU	InU	KU	MH
MdBJ	MiU	NIC	NN	NNC
NNIS	NcU	NdU	OCoB	TxU
ViU	WU	WaU		

d) Labor

Biulleten' nauchnoi informatsii: trud i zarabotnaia plata [Bulletin of Scientific Information: Labor and Wages]

DS	IU	KU	MH	MnU
NNC				

Istoriia rabochego klassa Leningrada [History of the Working Class of Leningrad]

CU	DBC

Okhrana truda i sotsial'noe strakhovanie [Protection of Labor and Social Insurance]

DS	IU	NN	NNC

Rabotnitsa [The Woman Worker]

CSt-H	DS	MH	MdBJ	NN
NNIS	WaU			

Rabotnitsa i stalianka [The Woman Worker and the Peasant Woman]

Sotsialisticheskii trud [Socialist Labor]

CSt-H	CStmoR	CU	CaOOS	DBC
DS	IU	KU	MiU	NIC
NN	NNC	NNIS	NcU	NjP
OCoB	TxHR	TxU	WU	

Sovetskie profsoiuzy [Soviet Trade Unions]

CLU	CSt-H	CaOTU	DBC	MdBJ
MiU	NN	NNC	NcU	OCoB
OU	RPB	TxHR	TxU	ViU

Vsemirnoe profsoiuznoe dvizhenie [World Trade Union Movement]

CLU	MH	NN	NNC

Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soiuzov. Sbornik postanovlenii [All-Union Central Council of Trade Unions. Decisions]

CStmoR	DNAL	MH

e) Sociology

Azerbaichan gadyny [Azerbaijan Woman]

Kazach'ia zhizn' [Cossack Life]

Kazakstan ielderi [Kazakhstan Woman]

Klub [The Club]

DS	NN	NNIS

Komsomol'skaia zhizn' [Life of Communist Youth]

DS	InU	MH	MiU	NIC
NN	NjP	OU	ViU	

Kyrgyzstan ialdaty [Kirghizistan Woman]

Nash svit [Our World]

Nashe zhyttia [Our Life]

Noukogude naine [Soviet Woman]

Padomju Latvijas sievietes [Women of Soviet Latvia]

Radians'ka zhinka [Soviet Woman]

CLU	IaU	MH	MdBJ	MnU
NN	OU			

Russkii vestnik [Russian Herald]

Smena [The Younger Generation]

MH	NN	NNC	NNIS	OU

Sotsial'noe obespechenie [Social Security]

CSt-H	CStmoR	CU	DBC	DS
KU	MH	NNIS	NN	

Sovet Turkmenistanynyn aiallary [Soviet Turkmenistan Woman]

Sovetskaia zhenshchina [Soviet Woman]

CLU	DS	InLP	NN	NNIS
OCl	OU	ViMiM	WaU	

Sovetskii krasnyi krest [Soviet Red Cross]

NNF	ViU

Tarybine moteris [Soviet Woman]

Ukrainske tsentral'ne dopomohove ob"iednannia v Avstrii. Biuleten' [Ukrainian Central Relief Association in Austria. Bulletin]

Uzbekiston sotsial ta"minoti [Social Security of Uzbekistan]

Zhenshchiny mira [Women of the Whole World]

Zmina [The Younger Generation]
NNC

6. POLITICAL SCIENCE

Agitator [Agitator]

CLU	CSt-H	CU	DS	IU
InU	KU	MH	MiU	NNC
NjP	ViU			

Ashkhabad. Institut istorii partii. Trudy [Institute of the History of the Party. Transactions]

MH	MiU	WU

Bloknot agitatora [The Agitator's Notebook]

Bloknot agitatora [The Agitator's Notebook]. For Leningrad City and Province.

Bloknot agitatora [The Agitator's Notebook]. Kiev [in Russian]

Bloknot agitatora [The Agitator's Notebook]. Khabarovsk

Bor'ba [The Struggle]

Chasovoi [The Sentry]

DS	NN	NNC

Lesti Kommunist [Communist of Estonia]

Ne oryut radio svoboda, zbirka materialiv pro radio programy [Radio Liberty Spealing. Materials on Ukrainian Broadcasting Programs]

Kazakstan kommunisti [Communist of Kazakhstan]

Kommunist [Communist]

CLU	CSt-H	CStbS	CStmoR	CU
CaOTU	CtY	DNAL	DS	IC
ICU	IU	KU	MH	MiD
NN	NIC	NNC	NNIS	NcD
NcU	NjP	O	OCIW	OU
RPB	ViMiM	WaU		

Kommunist [Communist]. In Kirghiz

Kommunist [Communist]. Vilnius

DBC	DS	NNC

Kommunist Belorussii [Communist of White Russia]

DBC	DS	NNC

Kommunist Moldavii [Communist of Moldavia]

CU	DBC	DS	NNC

Kommunist Sovetskoi Latvii [Communist of Soviet Latvia]

CU	DBC	DS	InNd	

Kommunist Ukrainy [Communist of the Ukraine]

DS	NNC

Kommunist Uzbekistana [Communist of Uzbekistan]

Kommunisti Tochikiston [Communist of Tajikistan]

Komunist Ukrainy [Communist of the Ukraine]

DBC	IU	InU	NN	
NNIS	WaU			

Komunistas [Communist]

Kubans'kyi Krai [Kuban Region]

Leninian uglov [Lenin's Way]

Mezhdunarodnaia zhizn' [International Life]

CSt-H	CStmoR	CaOTU	CtY-L	InU
MiDW	NIC	NN	ViU	

Molodezh' mira [World Youth]

DS	NN

Molodoi kommunist [The Young Communist]

CLU	CtY	DS	IU	InU
MdBJ	MiDW	MiU	NN	
NNIS				

Moscow. Institut mezhdunarodnykh otnoshenii. Uchenye zapiski [Institute of International Relations Studies]

CLU	CSt-H	CU	CtY	CtY-L
DBC	DS	ICU	IEN	MiU
MiU	NIC	NNC	PSt	WU

Moscow. Ispolnitel'nyi komitet. Biulleten' [Executive Committee. Bulletin]
DS

Munich. Radio Liberation. Tsentral'nyi [illegible] skii otdel. Spravochnik [Central Research [illegible] Manual]

Nash put'. Our Pathway

Nashi dni [Our Days]

CSt	CtY	IC	MH	[illegible]
NNC				

Novoe vremia [New Times]

CLL	CLU	CSt-H	CtY	[illegible]
ICU	InU	MH	NIC	[illegible]
NNC	NNIS	NNUN	PSC	[illegible]
WaU				

Padomju Latvijas komunists [Communist of Soviet Latvia]
DS

Partiia Turmushi [Party Life]

Partiinaia zhizn' [Party Life]

CLU	CSt-H	DS	InU	[illegible]
MH	MdBJ	MiU	NN	[illegible]
NNIS	NjP	RPB	OCIW	[illegible]
WU	WaU			

Partiinaia zhizn' [Party Life]. Tashkent

Partiinaia zhizn' Kazakhstana [Party Life of Kazakhstan]

DBC	DS	NN	NNC	[illegible]

Politicheskoe samoobrazovanie [Political Self-Education]

CSt-H	CU	CaAEU	DBC	[illegible]
IU	KU	MH	MiU	[illegible]
ViU	WaU			

Problemy mira i sotsializma [Problems of Peace and Socialism]

Russia (1917- R. S. F. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]

ICU	IU	KU	MdBJ	[illegible]
NcU	NjP	OU		

Russia (1923- U. S. S. R.) Verkhovnyi Sovet. [illegible] [Supreme Soviet. Gazette]

CLL	CLSU	CLU	CtY	DBC
DS	ICMILC	ICU	IU	InU
MH-L	MiU-L	NN	NNC-L	NjP
NcU	OCoB	OU	PPiU	WaU

Russkoe delo [Russian Cause]

S narodom - za narod [With the People and for the People]

Sbornik nauchnykh rabot kafedr istorii KPSS v[illegible] g. Khar'kova [Papers by the Departments of the History [illegible]

of the Communist Party of the Soviet Union of Kharkov Institution s of Higher Education]
MH

Sotsialisticheskaia zakonnost' [The Socialist Courier]
CU CtY DS ICN MH
MiU NN NNU-W

Sovetskii komitet zashchity mira, Informatsionnyi biulleten' [Soviet Committee on Defense of Peace, Information Bulletin]

Sovety deputatov trudiashchikhsia [Soviets of Workers' Deputies]
CLU CSt-H DS IU InU
KU MH NN

Svoboda [Freedom]
CSt-H MiD NN NNC

Turkmenskaia kommunistka [Communist of Turkmenistan]

Uchenye zapiski kafedr obshchestvennykh nauk vuzov g. Leningrada, Istorii KPSS [Studies by the Departments of Social Sciences of Leningrad Institutions of Higher Education, History of the Communist Party of the Soviet Union]
CLU CU CaOTU CtY DS
IEN IU KU MH MdBJ
MiU NIC NN NNC NjP
WU

Uzbekistan kommunisti [Communist of Uzbekistan]

Vechnaia Rossiia [Eternal Russia]

Vil'na Ukraina [Free Ukraine]
NN

Vitchyk [The Herald]
NN

Volia [Freedom]

Voprosy istorii KPSS [Problems of the History of the Communist Party of the Soviet Union]
AzU CLU CSt-H CU CtY
DS KyU IEN IU InU
KU KyU MH MdBJ MiU
NN NNC NRU NcU NjP
OrU RPB TxHR WU

Znamia Rossii [The Banner of Russia]
CLU DS NN

7. LAW

Kharkov. Iuridicheskii institut. Uchenye zapiski [Juridical Institute. Studies]

Leningrad. Tsentral'nyi nauchno-issledovatel'skii institut morskogo flota. Informatsionnyi sbornik. Morskoe pravo i praktika [Central Scientific Research Institute of the Merchant Marine. Information Bulletin. Maritime Law and Practice]

Moscow. Universitet. Vestnik. Seriia 10: Pravo [University. Review. Series 10: Law]
CLU CtU CaAEU DS KU-L
MiDU MdBJ MiU NIC NNC-L
NcU NjP OrU

Moscow. Vsesoiuznyi institut iuridicheskikh nauk. Uchenye zapiski [All-Union Institute of Juridical Sciences. Studies]
CLU CtU DS ICU IU
KU MiU-L NIC NN NNC-L
NNUM NcU NjP OkU WaU

Radianskoe pravo [Soviet Law]
CLU CU InU MiU-L MdBJ
NNC NNC-L

Russia (1917- R.S.F.S.R.) Verkhovnyi Sud, Biulleten' [Supreme Court. Bulletin]

Russia (1923- U.S.S.R.) Gosudarstvennyi arbitrazh, Sbornik instruktivnykh ukazanii [State Arbitration Commission. Collection of Rules]
CLU CU MiU-L MdBJ MiU
NNC

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po voprosam truda i zarabotnoi platy. Biulleten' [State Committee on Problems of Labor and Wages. Bulletin]
MH

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; pravovedenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Jurisprudence]
CLU CU DS MdBJ MiU-L
MnU-L WaU

Sotsialisticheskaia zakonnost' [Socialist Legality]
CSt-H KU MH-L MiU-L NNC

Sovetskaia iustitsiia [Soviet Justice]
CLU CLU CSfA CSt-H CU
CaOOXG CtY-L DI-GS DS ICU
IU IaU-L InU MBN MH-L
MiU NIC NN NNA NNB
NNC NNM NjP OU PPAN
PPAmP WaU

Sovetskoe gosudarstvo i pravo [The Soviet State and Law]
CLU CLSU CLU CSt-H CU-L
CtY DS ICU KU MH
MiU-L MnU NN NNC NNIS
NcUN NcU NhD OU PU
RPB WaU

Sverdlovsk. Iuridicheskii institut. Uchenye trudy [Juridical Institute. Studies]
CU CtY-L DS

Voprosy kriminalistiki [Problems in Criminology]
CLU CSt-H IU MH-L MiU

Voprosy mezhdunarodnogo prava [Problems in International Law]

8. EDUCATION

a) General

Akademiia pedagogicheskikh nauk RSFSR, Moscow. Doklady [Academy of Pedagogical Sciences of the R.S.F.S.R. Reports]
CLU CU DNLM IU InU
MH MiU NIC

Akademiia pedagogicheskikh nauk RSFSR, Moscow. Izvestiia [Academy of Pedagogical Sciences of the R.S.F.S.R. Bulletin]
CLSU CLU CSt DNLM InU
MH NIC NN NNC-T NcD
OU

Azerbaichan mektebi [Azerbaijani Schools]

Doshkol'noe vykhovannia [Preschool Education]

Doshkol'noe vospitanie [Preschool Education]
CLU CSt-H CU CU-E CtY
DS IU MH MdBJ MnU
NIC NN NNC-T NNIS PU
Gulkhan

Kazakstan mektebi [Kazakhstan Schools]

Kul'turno-prosvetitel'naia rabota [Cultural and Educational Work]
CLU DS MH NN NNC
NNIS WaU

Literatura po pedagogicheskim naukam i narodnomu obrazovaniiu [Literature on the Pedagogical Sciences and Public Education]
IU InU NIC OU

Nachal'naia shkola [Primary School]
CLU CSt-H CU CtY DS
IU MH MdBJ MnU NN
NNC-T NNIS PU

Narodnaia asveta [Public Education]

Narodnoe obrazovanie [Public Education]
CLU CSt-H CU DBC DS
ICU MH MdBJ MnU NN
NNC NcD NjP

Noukogude kool [Soviet School]

Padomju Latvijas skola [The School in Soviet Latvia]

Pedagogika i narodnoe obrazovanie v zarubezhnykh stranakh, sbornik referatov [Pedagogy and Education Abroad, Abstracts]

Radianska shkola [Soviet School]
CLU CU CtY InU MH
MiU NIC NNC-T NcD NcU
NjR OU TxU ViU

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Biulleten' [Ministry of Higher and Secondary Specialized Education. Bulletin]
CLU CU NNC NNIS

Sem'ia i shkola [Family and School]
CLU CSt-H CU CtY DS
MH NIC NN NNC-T NNIS
NNU

Shkola i proizvodstvo [School and Industry]
CU MH NNC

Shkola-internat [Boarding School]
InU

Skola da takhovreba [School and Life]

Sovet maktabi [Soviet School]

Sovet mektebe [Soviet School]

Sovetskan mankavarzh. Sovetskii pedagog [Soviet Teacher]

Sovetskaia pedagogika [Soviet Pedagogy]
CLU CSt-H CU CtY DS
ICJ MH MiU MnU NIC
NN NNC NNIS NcU NjP
PU RPB WU

Srednee spetsial'noe obrazovanie [Secondary Specialized Education]
CU DNLM DS ICU InU

Tarybine mokykla [Soviet School]

Universitate [University]

Vecherniaia srednaia shkola [Evening Secondary School]

Vestnik vysshei shkoly [Review of Schools for Higher Education]
CLU CtY DS ICU MWalB
MdBJ NN NNC NNIS OU
PU RPB ViU InU

Vozhatyi [Pioneer Guide]
DS NIC NN NNC NNIS
NhD

Vsemirnye studencheskie novosti [World Student News]
MH

Zhyttia i shkola [Life and School]

b) Physical education & games

Fizicheskaia kul'tura v shkole [Physical Education in Schools]

Fizkul'tura i sport [Physical Education and Sports]
CLSU CU-E MH NN NNC
NNIS PU-Penn

Fizkul'tura i sport [Physical Education and Sports]. In Ukrainian.

Legkaia atletika [Track and Field Athletics]
NNIS

Nastoiashchee i budushchee voleibola [Present and Future of Volleyball]

Problemy lunoshcskogo sporta [Problems of Sport for Youth]
DNLM

Riga. Latvijas valsts fiziskas kulturas instituts. Raksti. Trudy Latviiskogo gosudarstvennogo instituta fizicheskoi kul'tury [Latvian State Institute of Physical Culture. Transactions]

Rybolov-sportsmen; al'manakh [The Angler, an Almanac]

Sahs [Chess]

Shakhmatnyi biulleten' [Chess Bulletin]

Shakhmaty [Chess]

Shakhmaty v SSSR [Chess in the U.S.S.R.]
CLU NN NNC NNIS OCl

Sport v SSS; prilozhenie k zhurnalu "Sovetskii Soiuz" [Sports in the U.S.S.R., Supplement to the Periodical "Soviet Union"]

Sportivnaia zhizn' Rossii [Sport Life in Russia]

Teoriia i praktika fizicheskoi kul'tury [Theory and Practice of Physical Education]
CLSU CSt CU-E DAFM IU
MH NN NNIS NNNAM PU-Penn

Tiflis, Gruzinskii gosudarstvennyi institut fizicheskoi kul'tury. Sbornik trudov [Georgian State Institute of Physical Education. Papers]

V pomoshch' sportsmenu-podvodniku [A Guide for Skindivers]

9. MUSIC, THEATER & MOTION PICTURES

a) Motion pictures

Iskusstvo kino [Cinema Art]
CLSU CLU CSt-H CU IU
KU MH NN NNC NNIS

Iz istorii kino [From the History of Motion Pictures]
CLSU CLU ICMILC KU NIC
NNC OU

Kinomekhanik [Motion-Picture Operator]

Moscow. Vsesoiuznyi gosudarstvennyi institut kinematografii. Trudy [All-Union State Institute of Motion Pictures. Transactions]

Sovetskii ekran [The Soviet Screen]

So

Pervichnyi meditsinskii klub [Pioneers' Medical Club]

Sbornik ... Gosudarstvennoi konservatorii ... Nauchno-metodicheskie trudy i zapiski [State Conservatory ... Methodological Studies]

Sovetskaia muzyka [Soviet Music]

CLU	CSt-H	CtY	DS	FTaSU
IC	ICU	IU	KU	MCM
MH	MiU	MnU	NIC	NN
NNC	NcU	NjP	NjR	NhD
NjP	OU	ViU	WaU	

c) Theater

Chasovoi pekhoty, repertuarnyi sbornik dlia armeiskoi i flotskoi khudozhestvennoi samodeiatel'nosti [Guards of the Sky, Repertorial Collection for Army and Navy Art Amateurs]

Estrada [Stage]

Khudozhestvennaia samodeiatel'nost' [Amateur Art Activities]
KU

Molodezhnaia stsena [Youth People's Stage]
NNIS

Narodnoe tvorchestvo khudozhestvennoi samodeiatel'nosti, repertuarnyi sbornik [Folk Art Amateurs, Repertorial Collection]

Soldatskaia estrada [Soldier's Stage]
CNC

Sovetskaia estrada i tsirk [Soviet Stage and Circus]

Sovetskii tsirk [The Soviet Circus]

Tashkent, Teatral'no-khudozhestvennyi institut, Uchenye zapiski [Theater and Art Institute, Studies]

Teatr [The Theater]

CLSU	CLU	CU	CtY	DS
ICR	KU	MH	MiU	NN
NNC	NNIS	RPB		

Teatral'naia Moskva [Theatrical Moscow]
NN

Teatral'naia zhizn' [Life of the Theater]

CU	InU	KU	MH	NIC
NN	NhD	PSt		

10 FINE ARTS

a) General

Dekorativnoe iskusstvo SSSR [Decorative Art of the U.S.S.R.]

IU	KU	NIC	OrCS

Iskusstvo [Art]

CU	CtY	DS	ICA	IU
KU	KyU	MB	MH	NIC
NN	NNC	NNIS	NNMM	RPB
WaU				

Iskusstvo knigi [The Art of the Book]

CSt-H	ICN	IEN	KU	MH
MnU	NNC	NjP	OU	

Khudozhnik [Artist]

DS	KU	NN

Leningrad, Ermitazh, Soobshcheniia [Hermitage, Reports]

CLSU	CSmH	DSI-M	ICU	MH
MdBW A	NN	NNC	NNU	

Leningrad, Ermitazh, Trudy [Hermitage, Transactions]

CU	CtY	DDO	ICA	InU
KU	MH	MiU	NN	NNC
NNMM	NcD	OCl	WaU	

Letopisi izobraziteľnogo iskusstva [Chronicle of Fine Arts]

CLU	InU	KU	MH	MiBC
NN	NNC	NNIS		

Lvov, Ukrains'kyi derzhavnyi muzei etnografii ta khudozhn'oho promyslu, Materialy z etnografii ta mystetstvoznavstva [Ukrainian State Museum of Ethnography and the Art Industries, Materials on Etnography and Art]
CU

Maksla [Art]

Moscow, Gosudarstvennyi muzei izobraziteľnykh iskusstv, Soobshchenia [State Museum of Fine Arts, Reports]

ICA	InU	MH	MiU

Moscow, Vsesoiuznaia tsentral'naia nauchno-issledovatel'skaia laboratoriia po konservatsii i restavratsii muzeinykh khudozhestvennykh tsennostei, Soobshchenia [All-Union Central Scientific Research Laboratory on the Conservation and Restoration of Museum Art Treasures, Reports]

Mystetstvo [Art]

CaAEU	CaOTU

Sovetskaia arvest [Soviet Art]

Tvorchestvo [Creative Work]

CSt-H	CU	ICA	MH	MoS
NN	NNC			

b) Architecture

Akademiia budivnytstva i arkhitektury URSR, Visnyk [Academy of Construction and Architecture of the Ukrainian S.S.R. Journal]

Arkhitektura SSSR [Architecture of the U.S.S.R.]

CLU	CU	CaQMM	CtY	GyU
ICB	ICR	ICU	InU	MH
MdBJ	MnU	MoKL	MtBC	NN
NcC	NNIS	NNMM	NjP	PU
RPB	WaU			

Ehitus ja arhitektuur [Construction and Architecture]

Lietuvos TSR aukstuju mokyklu mokslo darbai Statyba ir architektura, Nauchnye trudy vysshikh uchebnykh zavedenii Litovskoi SSR Stroitel'stvo i arkhitektura [Studies by the Institutions of Higher Learning of the Lithuanian S.S.R. Construction and Architecture]

Problemy sovetskogo gradostroitel'stva [Problems of Soviet City Planning]

MH	NNC	NIC

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia, Izvestiia vysshikh uchebnykh zavedenii, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Construction and Architecture]

CaOON	ICMILC	ViU		

Sovetskaia arkhitektura [Soviet Architecture]

CU	CtY	FMU	IU	MiDW
NBC	NN	NNC	NcD	

Stroitel'stvo i arkhitektura [Construction and Architecture]

Stroitel'stvo i arkhitektura Leningrada [Construction and Architecture in Leningrad]

KU	MH	NN	NNIS

Stroitel'stvo i arkhitektura Moskvy [Construction and Architecture in Moscow]

CU	DAIA	MH	MoKL	NN
NNC				

Voprosy sovremennoi arkhitektury [Problems of Contemporary Architecture]

MH	MiU	NIC	NNC

11 LANGUAGE, LITERATURE & FOLKLORE

a) Language

Akademiia nauk Kazakhskoi SSR, Alma-Ata, Izvestiia, Seriia filologii i iskusstvovedeniia [Academy of Sciences of the Kazakh S.S.R. Bulletin, Series on Philology and Art]

CLU	IU	InU	KU	KyU
MH	NIC	NN	TxU	ViU
WaU				

Akademiia nauk SSSR, Institut iazykoznaniia, Seriia istorii otechestvennogo iazykoznaniia [Academy of Sciences of the U.S.S.R. Institute of Linguistics, Series History of Russian Linguistics]

Akademiia nauk Turkmenskoi SSR, Ashkhabad, Institut iazyka i literatury, Trudy [Academy of Sciences of the Turkmen S.S.R. Institute of Language and Literature, Transactions]
IU

Akademiia nauk Turkmenskoi SSR, Ashkhabad, Institut iazykoznaniia, Trudy [Academy of Sciences of the Turkmen S.S.R. Institute of Linguistics, Transactions]

IU	MH

Ba"ze mas"alahoi zabon va adabiёti toçikuk [Some Problems of the Tajik Language and Literature]

Dialektologicheskie materialy po govoram evenkov IAkutskoi ASSR [Dialectological Materials on the Dialects of Evenki in the Yakut A.S.S.R.]

MH	NNC

Dialektologicheskyi biuleten' [Dialectological Bulletin]

CU	CtY	InU	MH	NIC
NN	NNC			

Doslidzhennia i materialy z ukrains'koi movy [Studies and Materials on the Ukrainian Language]

CaOTU	InU	MH	WaU

Epigrafika Krigizii [Epigraphy of Krighizia]
CU

Etimologicheskie issledovaniia po russkomu iazyku [Etymological Research on the Russian Language]

CLU	CaOTU	CtY	KU	MH
NN	NNC	PSt		

Gorkiy, Gosudarstvennyi pedagogicheskii institut inostrannykh iazykov, Uchenye zapiski [State Pedagogical Institute of Foreign Languages, Studies]

Inostrannye iazyki v shkole [Foreign Languages in Schools]

CLU	CaQMM	MH	MnU	NN
NNIS	PU			

Irkutsk, Gosudarstvennyi pedagogicheskii institut inostrannykh iazykov, Uchenye zapiski [State Pedagogical Institute of Foreign Languages, Studies]

Kalbos kultura [Speech Culture]
MH

Keel ja kirjandus [Language and Literature]

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija, Valodas un literaturas instituts, Raksti [Academy of Sciences of the Latvian S.S.R. Institute of Languages and Literature, Transactions]

CLU	CU	ICU	MH	NN
NNC				

Leksykograficheskyi biuleten' [Lexicographical Bulletin]

CLU	CU	CtY	ICU	InU
LU	MiU	NNC	PU	

Lietuvos TSR aukstuju mokyklu mokslo darbai ... Uchenye zapiski vysshikh uchebnykh zavedenii Litovskoi SSR IAzykoznanie [Studies by the Institutions of Higher Learning of the Lithuanian S.S.R. ...]

MH	

Materialy i issledovaniia po istorii russkogo literaturnogo iazyka [Materials and Research on the History of the Russian Literary Language]

CLU	CU	CU-E	CtY	InU
IaU	MiNS	MiU	MnU	NcU
NNC	PU	RPB	WU	WaU

Materialy i issledovaniia po russkoi dialektologii [Materials and Research on Russian Dialectology]

CLU	CU	CU-L	CaOTU	CtY
DS	ICMH C	IU N	IaU	InU
InU	MiU	NN	NNC	NcU
NcU	PPiU	PSt	PU	RPB
ViU	WaU			

Moscow, Institut mezhdunarodnykh otnoshenii, Iazykovyi fakul'tet, Uchenye zapiski kafedr inostrannykh iazykov [Institute of International Relations, Linguistic Faculty, Studies of the Department of Foreign Languages]

CU	IU	MH	MiU	NcU
NcD	OU	RPB	WU	WaU

Moscow, Moskovskii gosudarstvennyi pedagogicheskii institut inostrannykh iazykov, Mashinnyi perevod i prikladnaia lingvistika [Moscow State Pedagogical Institute of Foreign Languages, Machine Translation and Applied Linguistics]

Moscow, Moskovskii gosudarstvennyi pedagogicheskii institut inostrannykh iazykov, Uchenye zapiski [Moscow State Pedagogical Institute of Foreign Languages, Studies]
MH

Novaia inostrannaia literatura po iazykoznaniiu [New Foreign Literature on Linguistics]

Novaia sovetskaia literatura po iazykoznaniiu [New Literature on Linguistics]

Novoe v lingvistike [What Is New in Linguistics]

CLU	CU	IU	InU	MH
MiU	NNC	NcD	OU	ViU

Odessa, Universitet, Pratsi, Seriia filolohichnykh nauk [University, Transactions, Series in the Philological Sciences]

Prepodavanie Azerbaidzhanskogo iazyka i literatury, metodicheskii sbornik [Teaching the Azerbaidzhani Language and Literature; Methodology]

Pskovskie govory [Pskov Dialects]

Pytannia klasychnoi filologii [Problems of Classical Philology]
NN

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia, Nauchnyi otdel ... Nauchnye trudy vysshikh shkoly, filologicheskie nauki [Ministry of Higher and Secondary Specialized Education, Research ... of Higher Schools; Philological Sciences]

CU	IU	KU	MH	MoSU
MiU	NN	NNC	NNF	

Russkii iazyk v natsional'noi shkole [The Russian Language in Non-Russian Schools]

CLU	CSt	CU-Riv	CaQMM	InU
MH	NhD	OU	PU	WaU

Russkii iazyk v shkole [Russian Language in ...]

CLU	CSt-H	CU	CaOTU	CtY
FTaSU	InU	MH	MnU	MiU
NN	NNIS	NcD	RPB	WU
WaU				

Slavianskaia filologiia [Slavic Philology]

CSLU	CLU	CU	CaOTU	CaOTU
CtY	ICU	InU	MiDW	MiU
NN	NNC	NcD	PU	ViU
WaU				

Slovians'ke movoznavstvo, zbirnyk statei [Slavic Linguistics; Collected Papers]

CU	CaOTU	ICU	IU	InU
MH	NIC	NNC		

Stat'i i materialy po bolgarskoi dialektologii [Articles and Materials on Bulgarian Dialectology of the U.S.S.R.]

CLSU	CLU	ICMILC	ICU	MiDW
MiU	NIC	NN	NNC	NhD
PU	TxU	ViU	WU	

Uchitelia angliiskogo iazyka o svoei rabote [The Teachers of English about their Work]

Ukrainska mova i literatura v shkoli [Ukrainian Language and Literature in School]
MH

Ukrainska mova v shkoli [Ukrainian Language in Schools]
MH

Ukrainska vilna akademiia nauk, Serilia Nazvoznavstvo [Ukrainian Free Academy of Sciences, Series Onomastica]

Uzbek tili v adabieti masalalari [Problems of Uzbek Language and Literature]
PU

Voprosy prepodavaniia russkogo iazyka v Amerike [A Guide for Teachers of the Russian Language in America]
CLU

Voprosy filologii [Problems of Philology]
MH NNC

Voprosy iazyka i literatury [Problems of Language and Literature]
CU CaOTU InU MH MiU
NNC NIC NNC

Voprosy istorii i dialektologii kazakhskogo iazyka [Problems in the History and Dialectology of the Kazakh Language]

b) Literature & folklore

Akademiia nauk Azerbaidzhanskoi SSR, Baku, Institut literatury i iazyka. Trudy [Academy of Sciences of the Azerbaijan S.S.R. Institute of Literature and Language. Transactions]
CSH IU MH MiU RPB
PstU

Akademiia nauk SSSR, Izvestiia, Seriia literatury i iazyka [Academy of Sciences of the U.S.S.R. Bulletin, Department of Literature and Language]
CLSH CLU CU CaOTU CtY
DNLM LU ICU LU MH
MiU MnU NN NNC NNIS
NcD OCl OU PPT RPB
WaU

Akademiia nauk Turkmenskoi SSR, Ashkhabad, Institut literatury. Trudy [Academy of Sciences of the Turkmen S.S.R. Institute of Literature. Transactions]
IU MH

Ala-Too, literaturno-khudozhestvennyi i obshchestvenno-politicheskii zhurnal [Ala-Too, Literary and Socio-political Magazine]

Alma-Ata. Universitet. Kafedra russkoi i zarubezhnoi literatury. Trudy [University. Department of Russian and Foreign Literature. Transactions]

Altai; literaturno-khudozhestvennyi i obshchestvenno-politicheskii almanakh [Altai, Literary and Socio-political Almanac]

Angara, literaturno-khudozhestvennyi i obshchestvenno-politicheskii almanakh [Angara, Literary and Socio-political Almanac]
MH

Azerbaichan [Azerbaijan]

Baigal [Baikal]

Baikal
NjP

Dalkii Vostok [Far East]
Ips MH NN

Detskaia literatura, 1962 [Children's Literature, 1962]
CtY NN OU

Dilia [Morning]

Dnestr [Dniester]

Dnipro [Dnieper]
CLU CaOTU CtY MH NN
NNC WaU

Don
MH NN NjP

Donbass; literaturno-khudozhestvennyi i obshchestvenno-politicheskii almanakh [Donets Basin; Literary and Sociopolitical Almanac]

Druzhba [The Banner]

Druzhba narodov [Friendship of Peoples]
CLU CSt-H CU CaOTU CtY
CS ICMILC IU InNd MiU
MnU NN NNC NNIS NcD
OU

Enisei; literaturno-khudozhestvennyi almanakh [Yenisey; Literary Almanac]
CLU NNC

Grani [Frontiers]
NNC

Inostrannaia literatura [Foreign Literature]
CU ICU IU IaU MH
MiU NN NNC NNIS NjP
OU PPiU RPB ViU WaU

Iunost' [Youth]
CLU CoU ICU MH NIC
NN NNC NNIS NRU NjP
ViU WU

Jauleji [Youth]

Karogs [The Banner]

Krym; literaturno-khudozhestvennyi almanakh [Crimea, Literary Almanac]
CaOTU MH

Kuban'; literaturno-khudozhestvennyi almanakh [Kuban, Literary Almanac]
MH

Lietuvos TSR aukstuju mokyklu mokslo darbai, Literatura. Nauchnye trudy vysshikh uchebnykh zavedenii Litovskoi SSR. Literatura [Studies by the Institutions of Higher Learning of the Lithuanian S.S.R. Literature]
MH

Literatura i iskusstvo narodov SSSR i zarubezhnykh stran, bibliograficheskii biulleten' [Literature and Art of the Peoples of the U.S.S.R. and Foreign Countries, Bibliographical Bulletin]
DS

Literatura i sovremennost' [Literature and the Present]
CU CtY ICU InU OU

Literatura slavianskikh narodov [Literature of Slavic Peoples]
CLSU CLU CU ICU IU
KU MiU NN NNC NcD
NjP NjR RPB T U

Literatura v shkole [Literature in Schools]
CU CtY DS InLP InU
MH NN NNC NNIS NhD
OU

Literatura v shkoli [Literature in Schools]

Literaturnaia Armeniia [Literary Armenia]
NNC

Literaturnaia Gruziia [Literary Georgia]
DS MH

Literaturnaia Riazan' [Literary Ryazan]
DS MH MiU NIC NNC

Literaturnyi Azerbaidzhan [Literary Azerbaijan]
DS NNIS WaU

Literaturnyi Kirgizstan [Literary Kirghizistan]

Looming [Creative Work]
NN

Matrosskaia estrada [Sailors' Stage]
KU

Mizhslovians'ki literaturni vzaiemyny [Interrelation of Slavic Literature]

Moksha; literaturno-khudozhestvennai i obshchestvenno-politicheskii zhurnal [Moksha, Literary and Socio-political Almanac]

Molodaia gvardiia; literaturno-khudozhestvennyi obshchestvenno-politicheskii zhurnal [Young Guard, Literary and Sociopolitical Magazine]

Molodoi Leningrad; almanakh [Young Leningrad; an Almanac]
CLU CU ICU IEN IU
MH MiU NIC NN NNC

Moscow. Universitet. Vestnik. Seriia 7: Filologiia, zhurnalistika [University. Review. Series 7: Philology Journalism]
CU CaAEU CaOTU ICU MBU
MH MiU NN NNC NRU
NcU NjR RPB

Moskva [Moscow]
CLU CU CaAEU CaQMM CtY
DS ICU IU InLP InU
KU MH MiDW NIC NN
NjP OU PSt RPB ViU
VtMiM WU WaU

Neman [Neman River]
MH

Neva
CLU CU CaOTU DS GEU
IU KU MH MiU NN
NNC NNIS NcD NjP NjR
OU RPB ViU WU WaU

Nistrul [Dniester River]

Novaia inostrannaia literatura po literaturovedeniiu [New Foreign Literature on the Study of Literature]

Novaia sovetskaia literatura po literaturovedeniiu [New Soviet Literature on the Study of Literature]

Novyi mir [The New World]
CL CLU CSt-H CU CaQMM
CtY DS ICN ICU KU
MH MiD MiU MnU NIC
NN NNC NNIS NcD NcU
OCl OCU OU RPB TU
WaU

Novyi zhurnal [The New Review]

Oktiabr' [October]
CLU CSt-H CU CtY DS
ICU KU MH MdBJ MnU
NN NNC NNIS NcD OU
PU RPB WaU

Olomouc, Palackeho universita, Filosoficka fakulta, Acta [Palacky University, Philosophical Faculty, Transactions]

Pergale [The Victory]
NN

Pod"em [Upswing]
KU

Polymia [Flame]
ICF NjP NmC

Prapor; literaturno-khudozhnii ta hromads'ko-politychnii zhurnal [Banner, Literary and Sociopolitical Magazine]

Prostor [Wide-open Spaces]
DS MH NN

Punalippu [The Red Banner]

Radians'ke literaturoznavstvo [Soviet Literary Review]
CLU CU CtY NN NNC
WaU

Raduga [The Rainbow]
MH

Russkaia literatura [Russian Literature]
CLSU CLU CU CtY DS
GEU ICMILC IU InU KU
MA MH NIC NN NNC
NRU NjP NjR PU RPB
TNJ ViU WU

Russkii fol'klor; materialy i issledovaniia [Russian Folklor, Materials and Studies]
CU FMU ICMILC IU InU
MiU MnU NIC NNC NcD

Shark Iulduzi [Star of the East]

Sharki Surkh [The Red East]

Sibirskie ogni [Siberian Lights]
CLU CSt-H CU KU NN
NNC

Sovet edebiiaty [Soviet Literature]. In Tatar.

Sovet edebiiaty [Soviet Literature]. In Turkmen.

Sovetskaia grakanutiun [Soviet Literature]

Sovetskaia literatura i fol'klor Buriatii [Soviet Literature and the Folklore of Buryatia]
InU NNC

Sovetskaia pechat' [Soviet Press]
CSt-H ICU IU InU KU
MH MdU NIC NN NNT
OCoB OU ViU VtMiM

Sovetskaia Ukraina [Soviet Ukraine]
DS MH NNC NNIS

Sovremennaia dramaturgiia [Contemporary Dramaturgy]
CLSU CLU CaOTU CtY ICU
IEN IU IaU InU KU
LU MH MdBJ MnU NIC
NNC NcD OU PSt RPB
TU TxU WaU

Sovremennik [Contemporary]

Suchasnist', literatura, mystetstvo, suspil'ne zhyttia [Our Time, Literature, Art, and Social Problems]
MiU

Surun' toli, literaturno-khudozhestvennoi dy obshchestvenno-politicheskoi zhurnal [Sura Lights, Literary and Sociopolitical Magazine]

Svet nad Baikalom [Light Over the Baikal]

Tavan Atal [Native Volga]

Tikhii okean [Pacific Ocean]
CCC CSt-H CU ICU
MH NIC NN NNC

Ukrains'ka vil'na akademiia nauk, Seriia [Ukrainian Free Academy of Sciences, Series]
InU

Ural
KU

Vitchyzna [Our Country]
CLSU CLU CU CaOTU
DS IU MH NIC
NNC OU WaU

Volvyv kodzuv [Northern Star]

Volga
InU NNC OU WaU

Volzhskii almanakh [Volga Almanac]
MH NNC

Voprosy literaturovedeniia i iazykoznani

Voprosy literatury [Problems of Literatu
CLSU CLU CU CaAEU
CaQMM CtY DS ICMILC
IU InLP InU KU

MWalB MdBJ MiDW NN NNC
NcD NjP OU PPiU PSt
PU RPB TxU ViU ViMiM
WaU

Voprosy prepodavaniia russkogo jazyka i literatury [Problems in Teaching the Russian Language and Literature]
Vozrozhdenie [Renaissance]
CLU CtY NN NNC
Zemlia rodnaia [Native Land]
Zhovten' [October]
DS MH
Zhuldyz [Star]
Znamia [The Banner]
CLU CSt-H CU CaOTU CaQMM
CtY DS ICU InU MH
MnU NN NNC NcD OU
RPB WaU
Zvezda [The Star]
CLU CSt-H CU CaOTU CaQMM
CoU CtY DS KU MH
NN NNC NNIS NcD OU
RPB TxU WaU
Zvezda Vostoka [Star of the East]
NNIS

12. GEOGRAPHY & GEOLOGY

a) Ethnology

Akademiia nauk Gruzinskoi SSR. Tiflis. Institut istorii. Materialy po etnografii Gruzii [Academy of Sciences of the Georgian S. S. R. Institute of History. Materials on the Ethnography of Georgia]
MH NNC
Akademiia nauk SSSR. Institut etnografii. Trudy [Academy of Sciences of the U. S. S. R. Institute of Ethnography. Transactions]
AMAU CLSU CLU CSt CSt-H
CU CaOTU CoU CtY DNLM
DS ICF ICU IEN IU
IaU InU KU LU MBU
MH MH-P MiD MiDW MiU
MoSW NIC NN NNC NNU
NcD NcU NhD NjP NjR
OCl OU OrU PPiU PU-Mu
RPB TxU ViMiM WiH WU
WaU
Akademiia nauk SSSR. Muzei antropologii i etnografii. Sbornik [Academy of Sciences of the U. S. S. R. Museum of Anthropology and Ethnography. Papers]
CLSU CLU CSt CU CaOOG
CaOONM CtY DSI-M ICF ICU
InU MH-P MiU NIC NN
NNC NNM NNNAM PU PU-Mu
WU WaU
Etnograficheskii sbornik [Ethnographic Papers]
ICMILC
Geograficheskoe obshchestvo SSSR. Otdelenie etnografii. Materialy [Geographical Society of the U. S. S. R. Department of Ethnography. Materials]
MH
Narodna tvorchist' ta etnografiia [Folk Art and Ethnography]
CU CtY IaU InU MH
MiU NN NNC WaU
Sovetskaia etnografiia [Soviet Ethnography]
CLSU CLU CSt CSt-H CU
CtY DBC DS DSI-E DSI-M
ICF ICU KU MH MH-P
MiU MdBJ MnU NN NNC
NNIS NNM NcD NiP OCl
WaU
CaOOG CaOTU CaQMAI CtY DI
DI-GS DNAL DN-HO DS FTaSU
GAT ICF ICU IU MH-Z
MdBU MiD MoKM NIC-A NN
NNA NNC NNM OU T U
WaU
Akademiia nauk SSSR. Institut merzlotovedeniia. Trudy [Academy of Sciences of the U S S R Permafrost Institute. Transactions]
CLU CU CaOOG CaOTU CaQMAI
CtY DI-GS DNAL ICU IU
InU KU MH MiU MoKL
NN NNM OU TxU WaU
Akademiia nauk SSSR. Institut merzlotovedeniia. Severo-Vostochnoe otdelenie. Trudy [Academy of Sciences of the U. S. S. R. Permafrost Institute. Northeastern Department. Transactions]
Akademiia nauk SSSR. Institut okeanologii. Trudy [Academy of Sciences of the U. S. S. R. Institute of Oceanography. Transactions]
CLSU CLU CaOOG DI DN-HO
DNAL DWB FMU KU MH-Z
MiU MoKL NIC NIC-A NN
NNC RPB WaU
Akademiia nauk SSSR. Laboratoriia ozerovedeniia. Trudy [Academy of Sciences of the U S S R. Laboratory of Limnology. Transactions]
CLSU CLU ICMILC IU InU
KU NIC PPAN
Dushanbe. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski. Seriia geograficheskaia [State Pedagogical Institute. Studies. Geographical Series]
MH
Geograficheskoe obshchestvo SSSR. Geograficheskii sbornik [Geographic Society of the U. S. S. R. Geographical Papers]
CLSU CLU CU CaQMM CtY
DNAL DN-HO FMU ICMILC ICU
IU InU MnU NIC NN
NNC NNM NcU OU WU
WaU
Geograficheskoe obshchestvo SSSR. Izvestiia [Geographic Society of the U. S. S. R. Bulletin]
CLSU CLU CSfA CSt CSt-H
CU CaOTR CtY DBC DI-GS
DNAL DS DSI-E DWB ICF
ICJ ICU IU InU KU
MBA MBAt MBN MBdAF MH
MH-Z MdBJ MiU MnU MoKL
N NIC NN NNA NNC
NNIS NNM Nh NjP OCU
PPAN PPAmP RPB TxU WaU
Geograficheskoe obshchestvo SSSR. Zapiski. Novaia seriia [Geographic Society of the U. S. S. R. Records. New Series]
CSt CSt-H CaOTU CtY DNAL
DN-HO FMU ICU IEN IU
IaU MiU NN OU RPB
WaU
Geograficheskoe obshchestvo SSSR. Buriatskii filial. Kraevedcheskii sbornik [Geographic Society of the U. S. S. R. Buryat Branch. Regional Studies Papers]
DS ICMILC WaU
Geograficheskoe obshchestvo SSSR. Kirgizskii filial. Izvestiia [Geographic Society of the U. S. S. R. Kirghiz Branch. Bulletin]
Geograficheskoe obshchestvo SSSR. Otdelenie fizicheskoi geografii. Komissiia po landshaftnym kartam. Materialy [Geographical Society of the U. S. S. R. Department of Physical Geography. Committee on Landscape Maps. Materials]
Geograficheskoe obshchestvo SSSR. Ural'skii otdel. Zapiski [Geographical Society of the U. S. S. R. Ural Branch. Annals]
[illegible]heskoe obshchestvo SSSR. Vostochnaia komissiia. Materialy [Geographical Society of the U. S. S. R. Committee. Materials]
vo [Geography and the Economy]
Geography in Schools]
DS IaU InU
NNC NNIS OCU
topis' 1962 [Cartographic Chronicle
DNAL DS ICU
NN NNC
afiia [Chemical Geography]
skii i antarkticheskii nauchno-issle- Trudy [Arctic and Antarctic Scientific Institute. Transactions]
CSfA CSt CU
CaOON CaOTR CaOTU
DN-HO DNLM DSI-M
ICJ IEN IU
MCM MH-Z MWhB
NN NNC NNM
OU PPAN WU
tvennyi gidrologicheskii institut. gical Institute. Transactions]
MoKL NIC-A NN
Lietuvos TSR aukstuju mokyklu mokslo darbai [illegible] ja ir geologija. Nauchnye trudy vysshikh uchebnykh zavedenii Litovskoi SSR. Geografiia i geologiia [Papers by the Institutions of Higher Learning of the Lithuanian S. S. R. Geography and Geology]
CU MH
Lietuvos TSR geografine draugija. Geodezijos skyrius. Darbai [Geographical Society of the Lithuanian S. S. R. Geodetic Section. Transactions]
Materialy k ucheniiu o merzlykh zonakh zemnoi kory [Materials for the Theories About the Permafrost Zones of the Earth's Crust]
CaOOG ICMILC OU WU
Merzlotnye issledovaniia [Permafrost Research]
CStmoR CU
Moscow. Gosudarstvennyi okeanograficheskii institut. Trudy [State Oceanographical Institute. Transactions]
CSfA CU CU-S CaOON CtAT
ICU IU MBN MWHB MiHM
NN NNM OU PPAN WaU
Moscow. Universitet. Vestnik. Seriia 5. Geografiia [University. Review. Series 5. Geographs]
CU CU-Riv DBC DNAL IaU
IEN InU MBU MH MH-Z
MdBJ MiU NN NNC NcU
NhD NjP RPB WaU
Moscow. Universitet. Geograficheskii fakul'tet. Informatsionnyi sbornik o rabotakh po Mezhdunarodnomu geofizicheskomu godu [University. Geographical Faculty. Information Bulletin on the Work for the International Geophysical Year]
Okeanologiia [Oceanology]
CLU CSt CaOOG ICJ ICMILC
MH-Z MdBJ MoKL NIC NcU
WaU
Problemy Arktiki i Antarktiki [Problems of the Arctic and the Antarctic]
IU KyU NNC NhD
Problemy Severa [Problems of the North]
Referativnyi zhurnal: Geografiia [Journal of Abstracts: Geography]
CLSU CLU CtY DBC IaU
FTaSU GU IEN IU InU
InU KU LU MH MiU
MnU MoKL MoU NIC NjP
NNC NNF NNIS NcD NhD
OCU OCoB OU P PU
WaU
Sibirskii geograficheskii sbornik [Siberian Geographical Papers]
CaOTU ICMILC ICU InU MH
NIC RPB
Sofia. TSentur za nauchno-tekhnicheskaia informatsiia i dokumentatsiia. Referativnyi biulletin' po [illegible] nauchnoi literatury. Geologiia i geografiia [Center for Scientific and Technical Information and Documentation. Bulletin of Abstracts of Bulgarian Scientific Literature. Geology and Geography]
Tashkent. Universitet. Trudy [University. Transactions]
CU DNAL DS GAT InU
MH MiU MoKL NN NjP
NNM WaU
Turisticke tropy; almanakh [Tourist-Trails. Almanac]
Vokrug sveta [Around the World]
ICU ICMILC MH NN NNC
NNM
Vologodskii Krai [Vologda Region]
DBC ICU IU InU NiR
Voprosy geografii [Problems of Geography]
AMAU CLSU CLU CSt-H CaOOG
CU CU-Riv CtY DBC DI-GS
DNAL DS ICU IEN MH
MdBJ MiU NN NNA NjP
NcD NcU NhD OCU OU
RPB TxU WaU

c) Geology & paleontology

Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Geologicheskie i geograficheskie nauki [Armenian Academy of Sciences of the Armenian S. S. R. Bulletin. Geological and Geographical Sciences]
ICU IU MH-Z NN NNM
ViU
Akademiia nauk Azerbaidzhanskoi SSR, Baku. Izvestiia. Seriia geologo-geograficheskikh nauk i nefti [Azerbaijan Academy of Sciences of the Azerbaijan S. S. R. Bulletin. Series in the Geological and Geographical Sciences and Petroleum]
CU DNAL IU KU MH-Z
MnU MoKL NN NNC NjPR
ViU
Akademiia nauk Gruzinskoi SSR. Tiflis. Geologicheskii institut. Monografii [Academy of Sciences of the Georgian S. S. R. Geological Institute. Monographs]
CaOOG IU NN WaU

Akademiia nauk Gruzinskoi SSR, Tbilisi. Geologicheskii institut. Trudy. Geologicheskaia seriia [Academy of Sciences of the Georgian S S R Geological Institute Transactions, Geological Series]
IU NNC

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Izvestiia. Seriia geologicheskaia [Academy of Sciences of the Kazakh S S R Bulletin, Geological Series]
IU KyU MCM MoKL NIC
NN OkU PPAN

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut geologicheskikh nauk. Trudy [Academy of Sciences of the Kazakh S S R Institute of Geological Sciences, Transactions]
CU CaOOG ICMILC MCM NNM

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut geologii i geofiziki. Trudy [Academy of Sciences of the Kazakh S S R Institute of Geology and Geophysics, Transactions]

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut zoologii. Materialy po istorii fauny i flory Kazakhstana [Academy of Sciences of the Kazakh S S R Institute of Zoology. Materials on the History of the Fauna and Flora of Kazakhstan]
CU CtY DI MH MiU
MoKL NIC NNC NcD PPAN
TxU WaU

Akademiia nauk SSSR. Izvestiia. Seriia geologicheskaia [Academy of Sciences of the U S S R Bulletin, Geological Series]
CLSU CLU CU CU-Riv CUS
CaOOG CaOTR CaOTU CtY DI-GS
DNLM DS DSI-M ICJ ICU
IEN IU IaU InIA InLiP
InU MBA MBN MBdAF MH
MiU MnU MoKL MtBC NN
NNA NNC NNIS NNM NcD
NcU NhD NjMuB NjP OU
PPAP RPB TxHR TxU WaU

Akademiia nauk SSSR. Botanicheskii institut. Trudy Seriia 8. Paleobotanika [Academy of Sciences of the U. S. S. R. Botanical Institute. Transactions. Series 8. Paleobotany]
CLU CU CtY DNAL IU
MnU MoSW NIC NIC-A NN
OU TxHR

Akademiia nauk SSSR. Dagestanskii filial, Makhachkala. Geologicheskii institut. Trudy [Academy of Sciences of the U. S. S. R. Daghestan Branch, Geological Institute. Transactions]
ICMILC

Akademiia nauk SSSR. Dal'nevostochnyi filial, Vladivostok. Trudy. Seriia geologicheskaia [Academy of Sciences of the U. S. S. R. Far Eastern Branch, Transactions. Geological Series]
CU CSfA ICJ NIC NN
WaU

Akademiia nauk SSSR. Geologicheskii institut. Trudy [Academy of Sciences of the U. S. S. R. Geological Institute. Transactions]
CLSU CLU CSfA CSt CU
CU-S CaOOG CaOTU CtY DI-GS
DSI-M ICF IU IaU MBN
MH-Z MnU NN NNA NNM
NjP OU PPAN WaU

Akademiia nauk SSSR. Geologicheskii muzei. Trudy [Academy of Sciences of the U. S. S. R. Geological Museum, Transactions]
CLSU CLU CSfA CSt CU
CaOOG CaOON CaOTR CaOTU CtY
DI-GS DSI-M ICF ICMILC IaU
MBA MBN MH MH-Z MdBJ
MnU MoSA MoU MtU N
NBmB NIC NN NNA NNC
NNM NjP OCU OCIW OO
OU OrCA PP PPAN PU
TxU WaU

Akademiia nauk SSSR. IAkutskii filial, Yakutsk. Trudy Seriia geologicheskaia [Academy of Sciences of the U. S. S. R. Yakut Branch, Transactions. Geological Series]
CLU CU CaOOG ICMILC NIC

Akademiia nauk SSSR. IAkutskii filial, Yakutsk. Institut geologii. Trudy [Academy of Sciences of the U. S. S. R. Yakut Branch, Institute of Geology. Transactions]
CLU CU CaOOG ICMILC NIC

Akademiia nauk SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy [Academy of Sciences of the U. S. S. R. Institute of the Geology of Ore Deposits, Petrology, Mineralogy, and Geochemistry. Transactions]
CLU CU CaOOG FMU GU
ICJ ICMILC ICU IU InU
KU MoKL NIC NNC PSt
RPB TCU TxU WaU

Akademiia nauk SSSR. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. Trudy [Academy of Sciences of the U. S. S. R. Institute of the Mineralogy, Geochemistry, and Crystallography of Rare Elements. Transactions]
CLU CU ICJ ICMILC ICU
NN TxU

Akademiia nauk SSSR. Kamchatskaia vulkanologicheskaia stantsiia. Biulleten' Vulkanologicheskoi stantsii [Academy of Sciences of the U. S. S. R. Kamchatka Volcanic Station. Bulletin of the Volcanic Station]
CLU CU CaOTU DI-GS ICJ
ICU InU KU NN NNC

Akademiia nauk SSSR. Komi filial, Syktyvkar. Institut geologii. Trudy [Academy of Sciences of the U S S R Komi Branch, Institute of Geology. Transactions]
CU ICMILC NIC

Akademiia nauk SSSR. Komissiia po izucheniiu chetvertichnogo perioda. Biulleten' [Academy of Sciences of the U. S. S. R. Commission for the Study of the Quaternary Period. Bulletin]
CLU CSt DI-GS MSM NIC
NN NNC NNM OkU PPAN

Akademiia nauk SSSR. Komissiia po izucheniiu chetvertichnogo perioda. Trudy [Academy of Sciences of the U. S. S. R. Commission for the Study of the Quaternary Period. Transactions]
DI-GS MH-P NN NcD PPAN
TxU

Akademiia nauk SSSR. Laboratoriia geologii dokembriia. Trudy [Academy of Sciences of the U. S. S. R. Laboratory of the Geology of the Pre-Cambrian. Transactions]
CLU CU CU-S FMU GU
ICMILC IU InU KU NIC

Akademiia nauk SSSR. Laboratoriia vulkanologii. Trudy [Academy of Sciences of the U. S. S. R. Laboratory of Volcanology. Transactions]
CLU CSt CU-S CaOOG CaOTU
DN-HO KU NN NNC WaU

Akademiia nauk SSSR. Mineralogicheskii muzei. Trudy [Academy of Sciences of the U. S. S. R. Mineralogical Museum. Transactions]
CLSU CSfA CSt CU CaOOG
CaOTR CaOTU CtY DI-GS DSI-M
IaU MBN MH MShM MdBJ
MiU MnU MoS MtU NIC
NN NNC NNM NjP OCU
OCIW OU PP PPAN PU
RPB

Akademiia nauk SSSR. Paleontologicheskii institut. Trudy [Academy of Sciences of the U. S. S. R. Institute of Paleontology. Transactions]
CLCM CLSU CLU CSfA CSt
CU CaOOG CaOON CaOONM CaOTU
CaQMBM CaQMMM CtY DI-GS DSI-M
FTaSU ICF IaU KU LU
MBN MH-Z MnU MoKL NIC
NN NNC NNIS NNM NcD
NcRS NcU NjP OCU OU
PPAN TxU WaU

Akademiia nauk SSSR. Sibirskoe otdelenie. Institut geologii i geofiziki. Trudy [Academy of Sciences of the U. S. S. R. Siberian Department. Institute of Geology and Geophysics. Transactions]
CLU CU CaOOG CtY ICMILC
InU MiU OkU

Akademiia nauk SSSR. Sibirskoe otdelenie. Vostochno-Sibirskii geologicheskii institut. Trudy [Academy of Sciences of the U. S. S. R. Siberian Department, East Siberian Geological Institute. Transactions]
CLU CU ICMILC NIC

Akademiia nauk SSSR. Sovet po seismologii. Biulleten' [Academy of Sciences of the U. S. S. R. Council on Seismology. Bulletin]
CU CU-S ICMILC IU NIC
NN ViU

Akademiia nauk SSSR. Ural'skii filial, Sverdlovsk. Gorno-geologicheskii institut. Trudy [Academy of Sciences of the U. S. S. R. Ural Branch. Mining-Geological Institute. Transactions]
CLU CU DI FMU GU
IU KU NIC NNC NNM
OU TxU

Akademiia nauk SSSR. Ural'skii filial, Sverdlovsk. Institut geologii. Trudy. Gidrogeologicheskii sbornik [Academy of Sciences of the U. S. S. R. Ural Branch, Institute of Geology. Transactions. Hydrogeological Papers]
CLU CU DI FMU GU
IU KU NIC NNC NNM
OU TxU

Akademiia nauk Tadzhikskoi SSR, Dushanbe. Institut geologii. Trudy [Academy of Sciences of the Tajik S. S. R. Institute of Geology. Transactions]
CU IU

Akademiia nauk Turkmenskoi SSR, Ashkhabad. Institut geologii. Trudy [Academy of Sciences of the Turkmen S. S. R. Institute of Geology. Transactions]
CU IU OU

Akademiia nauk URSR, Kiev. Instytut geologichnykh nauk, Pratsi, Seriia geokhimii, petrografii i mineralogii [Academy of Sciences of the Ukrainian S. S. R. Institute of Geological Sciences. Transactions. Geochemical, Petrographical, and Mineralogical Series]
ICMILC IU InU NIC

Akademiia nauk URSR, Kiev. Instytut geologichnykh nauk. Trudy. Seriia geotektoniki [Academy of Sciences of the Ukrainian S. S. R. Institute of Geological Sciences. Transactions. Series in Geotectonics]

Akademiia nauk URSR, Kiev. Instytut geologichnykh nauk. Trudy. Seriia gidrogeologii i inzhenernoi geologii [Academy of Sciences of the Ukrainian S S. R Institute of Geological Sciences. Transactions. Series in Hydrogeology and Engineering Geology]

Akademiia nauk URSR, Kiev. Instytut geologichnykh nauk. Trudy. Seriia petrografii, mineralogii i geokhimii [Academy of Sciences of the Ukrainian S S. R. Institute of Geological Sciences. Transactions. Petrographical, Mineralogical, and Geochemical Series]
ICMILC IU InU NIC

Akademiia nauk URSR, Kiev. Instytut geologichnykh nauk. Trudy. Seriia stratigrafii i paleontologii [Academy of Sciences of the Ukrainian S. S. R Institute of Geological Sciences. Transactions. Stratigraphical and Paleontological Series]
CU CU-S DNAL DSI IU
InNd InU MiU MoU NNC
PPAN

Akademiia nauk URSR, Kiev. Instytut geologichnykh nauk. Trudy. Seriia zahal'noi geologii [Academy of Sciences of the Ukrainian S S. R Institute of Geological Sciences. Transactions. General Geology Series]
CaOOG ICMILC

Alma-Ata, Universitet. Laboratoriia paleovulkanologii Trudy [University, Laboratory of Paleovolcanology. Transactions]

Apatity. Seismicheskaia stantsiia. Biulleten' [Seismic Station, Bulletin]
CU-S

Baku. Azerbaidzhanskii gosudarstvennyi universitet. Uchenye zapiski. Seriia geologo-geograficheskikh nauk [Azerbaijan State University. Studies. Series in the Geological and Geographical Sciences]

Eesti NSV Teaduste Akadeemia. Geoloogia Instituut. Uurimused. Trudy Instituta geologii Akademii nauk Estonskoi SSR [Academy of Sciences of the Estonian S. S. R. Institute of Geology. Transactions]
CU CaOOG

Geofizicheskoe priborostroenie [Design of Geophysical Instruments]

Geokhimiia [Geochemistry]
CLU CPT CaOON ICJ ICMILC
IaU MCM MH MiU MoKL
NIC NN NNC NNE PPF
RPB WaU

Geologichnyi zhurnal [Geological Journal]
CLU CSfA CU CaOOG CaOTR
CtY DI-GS ICJ IU IaU
LNHT MBA MH MiNS MdBJ
MiU MnU MoKL NIC NIC-A
NN NNC NNM NjP PPAN
T U WU WaU

Geologiia i geofizika [Geology and Geophysics]
CLU CU CaOON CtY ICMILC
ICU MiU NIC NNM OU
NjP RPB TONS

Geologiia mestorozhdenii redkikh elementov [Geology of Rare-Element Deposits]
MCM

Katalog karpatskykh zemletrusiv [Catalog of Carpathian Earthquakes]

Kore vyvetrivaniia [Weathering Zone]
CLU CU CaOOG CtW FMU
InU WaU

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Geologijas Instituts. Trudy Instituta geologii Akademii nauk Latviiskoi SSR [Academy of Sciences of the Latvian S S. R. Institute of Geology. Transactions]
InU

Leningrad. Nauchno-issledovatel'skii institut geologii Arktiki. Informatsionnyi sbornik [Scientific Research Institute of Arctic Geology. Information Bulletin]
CaOOG CaQMAI

Leningrad. Nauchno-issledovatel'skii institut geologii Arktiki. Sbornik statei po paleontologii i biostratigrafii [Scientific Research Institute of Arctic Geology. Collected Papers on Paleontology and Biostratigraphy]

Leningrad. Nauchno-issledovatel'skii institut geologii Arktiki. Trudy [Scientific Research Institute of Arctic Geology. Transactions]
CLSU CLU CU CU-S CaOOG
CaOTU CaQMAI CtY DN-HO ICJ
IU InU KU MH-Z MdBJ
MiU NIC NNC OU PSt
RPB TxU WU

Leningrad. Vsesoiuznyi geologicheskii institut. Trudy [All-Union Geological Institute. Transactions]
CLU CU CU-S DI-GS DNAL
FMU IU KU MH MiU
MnU NN NNC TxHR WaU

Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy [All-Union Petroleum (Scientific Research) Geological Prospecting Institute. Transactions]
CLCM CLU CSfA CU CU-S
DI DI-GS DSI FTaSU IU
InU KU LNHT LU MCM
MH-Z MiDW MiU MnU NN
NNC NcU NhD OCU OCoB
OU PPAN RPB TxHR TxU
WaU

Lvov. Universytet. Visnyk. Seriia geologichna [University. Review. Geological Series]
CU

Materialy po geologii i poleznym iskopaemym Irkutskoi oblasti [Materials on the Geology and Mineral Resources of Irkutsk Province]

Materialy po geologii i poleznym iskopaemym Urala [Materials on the Geology and Mineral Resources of the Urals]
CLU CU

Materialy po geologii Tian'-Shania [Materials of the geology of Tien Shan]
MoKL NIC

Materialy po geologii TSentral'nogo Kazakhstana [Materials on the Geology of Central Kazakhstan]
InU

Materialy po geologii Zapadno-Sibirskoi nizmennosti [Materials on the Geology of the West Siberian Plain]
CSfA CLU CU DI-GS MH-Z
MiU NN NNE NNM PPAN

Materialy po mineralogii Kol'skogo poluostrova [Materials on the Mineralogy of the Kola Peninsula]
CU ICMILC NIC

Mezhvedomstvennyi stratigraficheskii komitet. Biulleten' [Interdepartmental Stratigraphic Committee. Bulletin]

Mineral'noe syr'e [Mineral Raw Materials]

Mineralogicheskii sbornik [Mineralogical Review]
CU CtY FU GAT IU
KU LU MiU NIC NNC
OU

Moscow. Moskovskii geologorazvedochnyi institut. Trudy [Moscow Geological Prospecting Institute. Transactions]
NNC NNM

Moscow. Universitet. Vestnik. Seriia 4 Geologiia [University. Review. Series 4 Geology]
CSt CU CoU ICU IEN
InU MBU MH MH-Z MdBJ
MiU MoKL NN NNC NcU
OrU RPB

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia. Otdel nauchno-tekhnicheskoi informatsii. Seriia geologicheskaia [All-Union Scientific Research Institute of Mineral Raw Materials. Department of Scientific and Technical Information. Geological Series]

Moskovskoe obshchestvo ispytatelei prirody. Biulleten' [Moscow Naturalists' Society. Bulletin. Otdel geologicheskii]
CLU CSfA CU CU-S CaOLU
CaOOG CaOON CaOTR CaOTU CaQMBM
CoD CtY DSI-M ICF ICJ
ICU IU IaAS IaU InIA
KU MBN MH-A MH-Z MdBJ
MiU MnU MoKL MoSU MoU
N NBuB NIC-A NN NNBG
NNIS NNM NRU NcU NjP
OCLloyd OCU OCiW OO OU
PPAN PPAmP PU RPB WU
WaU

Novosti karstovedeniia i speleologii [New Developments in Speleology and the Study of Karst Phenomena]

Ocherki po istorii geologicheskikh znanii [Studies in the History of Geological Science]
CLU CSt CU CaOOG DSI
ICMILC IU MH NIC NN
NNC OU WaU

Ocherki regional'noi geologii SSSR [Studies on the Regional Geology of the U S S R.]
CaOOG

Paleontologicheskii zhurnal [Paleontological Journal]
CLU CSt CaOOG ICMILC ICU
KU MiU MoKL NIC RPB

Referativnyi zhurnal: Geologiia [Journal of Abstracts: Geology]
CLU CSt ICJ IU KU
MH-Z MiU MnU MoKL NN
NNC NbU NjP OU P
TxCM WaU

Rentgenografiia mineral'nogo syr'ia [Radiography of Minerals]

Sibirskii nauchno-issledovatel'skii institut geologii, geofiziki i mineral'nogo syr'ia. Trudy [Siberian Scientific Research Institute of Geology, Geophysics, and Mineral Resources. Transactions]
CaOOG ICMILC IU InU MiU
OkU

Sovetskaia geologiia [Soviet Geology]
CoU IU MiU MoKL NNC
ViU

Tashkent. Sredneaziatskii nauchno-issledovatel'skii institut geologii i mineral'nogo syr'ia. Trudy [Central Asiatic Scientific Research Institute of Geology and Mineral Resources. Transactions]

Uzbek SSR. Geologicheskoe upravlenie. Trudy [Uzbek S. S. R. Geological Administration. Transactions]

Uzbekskii geologicheskii zhurnal [Uzbek Geological Journal]
CU ICMILC KU KyU MH
MH-Z MoKL NNM OCoB OkU
UPB ViU

Voprosy geologii i mineralogii Kol'skogo poluostrova [Problems of the Geology and Mineralogy of the Kola Peninsula]
CU ICMILC IU InU NIC
PPAN

Voprosy geologii Uzbekistana [Problems of the Geology of Uzbekistan]

Voprosy gidrogeologii i inzhenernoi geologii [Problems of Hydrogeology and Engineering Geology]
MH

Voprosy magmatizma i metamorfizma [Problems in Magmatic Activity and Metamorphism]

Vsesoiuznoe mineralogicheskoe obshchestvo. Zapiski [All-Union Mineralogical Society. Annals]
CLSU CLU CSfA CSt CU
CaOTR CaOTU CaQMBM CtY DI-GS
I ICJ ICMILC ICU IU
IaU KMK KU MA MBA
MBN MBdAF MH MH-Z MSM
MiEM MnU MoKL NBuB NN
NNC NNE NNIS NNM NNU-H
NRU NjR OCU OCiW PPAN
PPAmP PU RPB

Vsesoiuznoe mineralogicheskoe obshchestvo. Armianskoe otdelenie. Zapiski [All-Union Mineralogical Society. Armenian Branch. Records]

Vsesoiuznoe mineralogicheskoe obshchestvo. Ukrainskoe otdelenie. Zapiski [All-Union Mineralogical Society. Ukrainian Branch. Annals]
CU

Vsesoiuznoe mineralogicheskoe obshchestvo. Uzbekistanskoe otdelenie. Zapiski [All-Union Mineralogical Society. Uzbekistan Branch. Records]
CtY MH TxU

Zakonomernosti razmeshcheniia poleznykh iskopaemykh [Characteristics of the Distribution of Mineral Resources]
ICMILC NIC

13. SCIENCE

a) General

Akademiia nauk Armianskoi SSR, Erivan. Doklady [Academy of Sciences of the Armenian S S R Reports]
CLU CStmoR CU CU-A CtY
DNAL DNLM ICMILC MCM MH
MiU MoKL NIC NNC NNF
NcD NcU NjMuB PPF RPB

Akademiia nauk Armianskoi SSR, Erivan. Izvestiia, Seriia fiziko-matematicheskikh nauk [Academy of Sciences of the Armenian S S R. Bulletin. Series in Physical and Mathematical Sciences]
CLSU CSt CStmoR CU-A DNAL
LNHT MBdAF MCM MoSW NN
OrU RPB TONS

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Doklady [Academy of Sciences of the Azerbaijan S S R. Reports]
CaOOG DNAL DNLM DS IU
IaAS KU MH MiU NN
NNC NNF NNM NhD NjP
OU PPAN RPB WaU

Akademiia nauk SSSR. Doklady [Academy of Sciences of the U S S R. Reports]
CLSU CLU CStbS CStmoR CU
CU-Riv CaMWM CtHT CtY DBC
DBS DN-RL DS DWB DeU
GU ICU IU MH MnU-B
MoKL NN NNC NNF NNIS
NNU NcD NhD NjMuB NjP
OCU OCoB P PBL PPF
PSt PU-Math RPB TU TxCM
TxU

Akademiia nauk SSSR. Arkhiv. Trudy [Academy of Sciences of the U S S R. Archives. Transactions]
CLU CSt-H CU CtY DNLM
ICU IU InU KU MH
MiU MnU NIC NN NNC
NcD NcU RPB WaU

Akademiia nauk SSSR. Institut istorii estestvoznaniia i tekhniki. Trudy [Academy of Sciences of the U S S R. Institute of the History of Natural Sciences and Technology. Transactions]
CLU CStmoR CU CaOFU DNAL
DSI ICMILC ICU IU LNHT
MiU MoKL MoSW NIC NN
NNC NcD NcU PSt PPAmP
RPB WU WaU

Akademiia nauk Turkmenskoi SSR, Ashkhabad. Izvestiia, Seriia fiziko-tekhnicheskikh, khimicheskikh i geologicheskikh nauk [Academy of Sciences of the Turkmen S S R. Bulletin. Series in the Physical and Technological, Chemical, and Geological Sciences]
CLU DNAL ICMILC IaAS MH
OkU

Akademiia nauk URSR, Kiev. Dopovidi [Academy of Sciences of the Ukrainian S S R. Reports]
CLU CSt CU CU-A CaAEU
CaOTU DI DS ICJ ICU
IU IaAS IaU KMK KU
MH MiD MoKL NIC NjP-A
NN NNC NNF NcU NjP
OU OrU PPAN PPAmP PPT
RPB WaU

Akademiia nauk Uzbekskoi SSR, Tashkent. Doklady [Academy of Sciences of the Uzbek S S R Reports]
CLU DNAL KU MH NjP
NNF OCoB RPB TxU

Akademiia nauk BSSR, Minsk. Doklady. [Academy of Sciences of the White Russian S S R Reports]
CU CU-A DNAL ILN MH
MoKL NN NNC NNF NNU
NbU OCoB OkU PPF PU
RPB ViU

Baku. Azerbaidzhanskii gosudarstvennyi universitet. Uchenye zapiski. Seriia fiziko-matematicheskikh i khimicheskikh nauk [Azerbaijan State University. Scientific Notes. Series in the Physicomathematical and Chemical Sciences]

Eesti loodus [Estonian Nature]
DNAL NNM PPAN

Fan va turmush [Science and Life]
MH

Istoriia i metodologiia estestvennykh nauk [History and Methodology of the Natural Sciences]
NN

Iz istorii estestvoznaniia i tekhniki; sbornik nauchnykh trudov [From the History of Natural Science and Technology. Papers]
MH

Mir nauki [Scientific World]

Nauka i zhizn' [Science and Life]
CLSU CLU CStmoR CU DNAL
DNLM DS ICJ KU MH
MiU MoKL NN NNC NNE
NNIS OCU WaU

Nauka i zhyttia [Science and Life].

Novye knigi za rubezhom. Seriia A. Matematika, mekhanika, astronomiia, fizika, geofizika, khimiia, geologiia [New Foreign Books. Series A. Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology]

Okhrana prirody i zapovednoe delo v SSSR. Biulleten' [Conservation and the Work of the Preserves in the U. S. S. R. Bulletin]
CLU CU DNAL ICMILC KU
NIC NN WaU

Okhrana prirody na Urale [Protection of Nature in the Ural Mountain Region]
CU ICMILC

Priroda [Nature]
CLU CSfA CSt-H CStmoR CtY
CaOOCC CaOON CoBBS CtY DBS
DC DI-GS DNAL DNLM DeU
GAT IU IaU InU KU
MBN MBdAF MCM MH MH-Z
MWhB MdBJ MiU MnU MoKL
MoU NIC-A NN NNA NNC
NNC-M NNE NNIS NNM NjP
O OCU OCoB OU PPAN
PPF PU RPB WaU

Problemy kibernetiki [Problems of Cybernetics]
CU CtY CStmoR CtY IEN
IEN MCM MH NIC NN
NNC NcU PPF RPB TxHR
TxU

Russkie uchenye-issledovateli Sredne Azii [Russian Scientists Explorers of Central Asia]
CSt-H MH NNC OrU

Voprosy istorii estestvoznaniia i tekhniki [Problems of the History of Natural Science and Technology]
CLU CU CaQMM CoU ICJ
ICMILC IU IaU InU KU
LNHT MH MoKL NNC PPAmP
RPB

Znanie - sila [Knowledge is Power]
CStmoR MH NNIS OCoB

Znannia ta pratsia [Knowledge and Work]
CSt-H NN

b) Astronomy

Abastumani. Astrofizicheskaia observatoriia. Biulleten' [Astrophysical Observatory. Bulletin]
AzU CLSU CLU CtY DSI-A
IU InU MH NN NNC
OCU OU PU-Math RPB TxU

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Astrofizicheskii institut. Izvestiia [Academy of Sciences of the Kazakh S. S. R. Astrophysical Institute. Bulletin]
CLU CoBBS CtY DN-Ob FSM
ICU-Y IEN IU LNHT MA
MiU MoKL NIC NN NNC
NjP OCICS OU PU ViU

Akademiia nauk SSSR. Astronomicheskii sovet. Biulleten' stantsii opticheskogo nabliudeniia iskusstvennykh sputnikov Zemli [Academy of Sciences of the U. S. S. R. Astronomical Council. Bulletin of the Station for Optical Observation of Artificial Earth Satellites]
CU NhD

Akademiia nauk SSSR, Institut teoreticheskoi astronomii, Biulleten' [Academy of Sciences of the U.S.S.R. Institute of Theoretical Astronomy, Bulletin]

AzU	CLSU	CLU	CU	CtY
DN-Ob	DSI-AO	ILN	IU	MH-O
MiU	MoU	NN	NNC	OCU
OU	RPB	ViU	WU	

Akademiia nauk SSSR, Institut teoreticheskoi astronomii, Rezul'taty nablyudenii sovetskikh issledovatel'skikh sputnikov Zemli [Academy of Sciences of the U.S.S.R. Institute of Theoretical Astronomy, Results of Observations of Soviet Artificial Earth Satellites]

CNMH	CU	NbD

Akademiia nauk SSSR, Krymskaia astrofizicheskaia observatoriia, Izvestiia [Academy of Sciences of the U.S.S.R. Crimean Astrophysical Observatory, Bulletin]

AzU	CLU	CU	CaOTU	CoBBS
CtY-O	InU	MH-O	MiU	MnU
MoU	NN	OU	RPB	TNJ
TxU				

Akademiia nauk Tadzhikskoi SSR, Dushanbe, Institut astrofiziki, Biulleten' [Academy of Sciences of the Tajik S.S.R. Astrophysical Institute, Bulletin]

CLSU	CtY	ICU	MiU	NN
PU	RPB	TNJ		

Akademiia nauk Tadzhikskoi SSR, Dushanbe, Institut astrofiziki, Trudy [Academy of Sciences of the Tajik S.S.R. Astrophysical Institute, Transactions]

CLSU	CLU	CU	CtY	IEN
InU	MiU	NN	NNC	OCU
OU	PPAmP	RPB	TxU	

Akademiia nauk URSR, Kiev, Holovna astronomichna observatoriia, Izvestiia [Academy of Sciences of the Ukrainian S.S.R. Main Astronomical Observatory, Bulletin]

CLSU	CU	CtY	DN-Ob	ICU
InU	MH	MiU	NN	NNC
NjP	ViU			

Astronomicheskii tsirkuliar [Astronomical Circular]

CLSU	CLU	CU	CtY	ICU
NNC	PU-Math	RPB		

Astronomicheskii zhurnal [Journal of Astronomy]

CLSU	CLU	CSt	CStmoR	CU
CaOON	CaOTU	CtW	CtY	DBS
DN-RL	GAT	ICU	IEN	MH-O
MiU	MnU	MoKL	MoU	NIC
NN	NNMS	NbU	NjP	OCU
OHW	OU	PPF	PSC	PU-Math
RPB	TxU	WaU		

Byurakan, Observatoriia, Soobshcheniia [Byurakan, Observatory, Reports]

CLSU	CLU	CtY	MA	MiU
NN	OU	RPB		

Istoriko-astronomicheskie issledovaniia [Studies in the History of Astronomy]

CLU	CU	CtY	ICMILC	KU
MH	MiU	NN	NNC	OU
RPB				

Kiev, Universytet, Astronomichna observatoriia, Publikatsii [University, Astronomical Observatory, Publication]

MiU	NN	OCU	RPB	TxU

Kiev, Universytet, Astronomichna observatoriia, Tsirkuliar [University, Astronomical Observatory, Circular]

MiU	RPB	TxU	

Kosmos [Space]

CStmoR	CU	ICMILC	OCoB	

Lviv, Universytet, Astronomichna observatoriia, Tsirkuliar [University, Astronomical Observatory, Circular]

NNC	RPB

Meteoritika [Meteoritics]

CLU	CU	CaOTU	CtY	ICF
ICJ	ICU	MCM	MiU	NN
NNC	RPB	TxU		

Mokslas ir gyvenimas [Science and Life]

Moscow, Tsentral'nyi nauchno-issledovatel'skii institut geodezii, aeros"emki i kartografii, Trudy [Central Scientific Research Institute of Geodesy, Aerial Photography, and Cartography, Transactions]

DI	DN-HO	MH	MiU	NIC
NN	RPB	WaU		

Moscow, Universitet, Gosudarstvennyi astronomicheskii institut, Soobshcheniia [University, State Astronomical Institute, Reports]

CLSU	ICU	NN	NNC	RPB

Moscow, Universitet, Gosudarstvennyi astronomicheskii institut, Trudy [University, State Astronomical Institute, Transactions]

CLU	DN-Ob	ICU	IEN	MH-O
MiU	MiU	NN	NNC	NjP
OCU	OU	PSC	RPB	

Peremennye zvezdy [Variable Stars]

CLSU	CLU	CSfA	CU	CtY
ILN	IU	MH-O	MiU	NNC
NjP	OU	OkS	PU-Math	RPB

Poltava, Gravimetrychna observatoriia, Trudy [Observatory for Gravity Measurement, Transactions]

ICMILC	IU	KU	MiU	NIC
NIC-A	OrCS	WaU		

Pulkovo, Glavnaia astronomicheskaia observatoriia, Izvestiia [Main Astronomical Observatory, Bulletin]

Referativnyi zhurnal Astronomiia (Otdel'nyi vypusk 51) [Journal of Abstracts Astronomy (Separate Issue 51)]

CLU	CStmoR	CU	CU-A	CaAEU
CaOON	CoBBS	CtY-O	DBS	DN-Ob
DSI	FU	ICJ	IU	KU
LNHT	MiU	MnU	MoKL	MoU
NIC	NN	NNC	NjMuB	NjP
OU	OrCS	PPF	PU-Math	RPB

Referativnyi zhurnal Geodeziia (Otdel'nyi vypusk 52) [Journal of Abstracts Geodesy (Separate Issue 52)]

CLU	CSt	CU	MiU	NIC
NNC	NjP	OCoB	ViU	

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia, Izvestiia vysshikh uchebnykh zavedenii, geodeziia i aerofotos"emka [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Geodesy and Aerial Photography]

CaOON	InU	MCM	NIC	NN
NNC	OCoB	ViU		

Tashkent, Astronomicheskaia observatoriia, TSirkuliar [Astronomical Observatory, Circular]

CLU	CU	CtY	ICU	IEN
InU	MH-O	MiU	MnU	NN
NNC	NjP	OCU	OU	PPAmP
RPB	TxU			

Tashkent, Astronomicheskaia observatoriia, Trudy [Astronomical Observatory, Transactions]

CLU	CU	CtY	CtY-O	ICU
IEN	IaU	InU	MH-O	MiU
MnU	NN	NNC	NjP	O
OCU	OU	PPAmP	RPB	TxU

Vsesoiuznoe astronomo-geodezicheskoe obshchestvo, Biulleten' [All-Union Astronomical-Geodetic Society, Bulletin]

CtY	IU	NNC	OCU	RPB

Zvaigznota debess [Starry Sky]

c) Biology

Akademiia nauk Armianskoi SSR, Erivan, Izvestiia, Biologicheskie nauki [Academy of Sciences of the Armenian S.S.R. Bulletin, Biological Sciences]

CaOOG	CtY	DNAL	DNLM	DS
ICMILC	MH-BL	MH-Z	NNF	NNM
PPAN	TNJ			

Akademiia nauk Armianskoi SSR, Erivan, Botanicheskii institut, Trudy [Academy of the Sciences of the Armenian S.S.R. Botanical Institute, Transactions]

CLU	CU	DNAL	ICU	MH
NIC	NNC	PPAN	TxDaM	WaU

Akademiia nauk Azerbaidzhanskoi SSR, Baku, Izvestiia, Seriia biologicheskikh i meditsinskikh nauk [Academy of Sciences of the Azerbaijan S.S.R. Bulletin, Series in the Biological and Medical Sciences]

CU	CaOOG	DNAL	DNLM	IaAS
MH-Z	MnU-B	MoKL	NIC-A	NNF
PPAN	RPB	ViU		

Akademiia nauk Azerbaidzhanskoi SSR, Baku, Institut botaniki, Trudy [Academy of Sciences of the Azerbaijan S.S.R. Institute of Botany, Transactions]

CU	DNAL	IaAS	MBN	MH
MiU	MnU	NIC-A	NNC	TxU
WaU				

Akademiia nauk Azerbaidzhanskoi SSR, Baku, Institut genetiki i selektsii, Trudy [Academy of Sciences of the Azerbaijan S.S.R. Institute of Genetics and Plant Breeding, Transactions]

CU	DNAL	NIC	RPB

Akademiia nauk Azerbaidzhanskoi SSR, Baku, Sektor fiziologii, Voprosy fiziologii [Academy of Sciences of the Azerbaijan S.S.R. Sector of Physiology, Problems of Physiology]

DNAL	DNLM

Akademiia nauk Gruzinskoi SSR, Tiflis, Institut eksperimental'noi morfologii, Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Experimental Morphology, Transactions]

DNLM

Akademiia nauk Kazakhskoi SSR, Alma-Ata, Institut botaniki, Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of Botany, Transactions]

CU	CaOOAg	DNAL	DSI	IU
NIC	NIC-A	NNC	PPAN	WaU

Akademiia nauk Kazakhskoi SSR, Alma-Ata, Institut botaniki, Gerbarii, Botanicheskie materialy [Academy of Sciences of the Kazakh S.S.R. Institute of Botany, Herbarium, Botanical Materials]

Akademiia nauk Kazakhskoi SSR, Alma-Ata, Institut mikrobiologii i virusologii, Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of Microbiology and Virology, Transactions]

ICMILC	IU	InNd	MiU	NIC
NIC-A	OU			

Akademiia nauk Kazakhskoi SSR, Alma-Ata, Institut zoologii, Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of Zoology, Transactions]

CU	CaOOG	DNLM	DI	DSI

Akademiia nauk Kirgizskoi SSR, Frunze, Izvestiia, Seriia biologicheskikh nauk [Academy of Sciences of the Kirghiz S.S.R. Bulletin, Series in Biological Sciences]

DNAL	DNLM	PPAN

Akademiia nauk SSSR, Izvestiia, Seriia biologicheskaia [Academy of Sciences of the U.S.S.R. Bulletin, Biological Series]

AAP	CLSU	CLU	CSt	CU
CaOOA	CaOOG	CaOONM	CaOTR	CaOTU
CoD	CtY	DNAL	DNLM	DSI-M
ICJ	ICU	IU	IaU	InIA
InU	MBA	MH	MH-Z	MdBJ
MiU	MnU	MoKL	MoSW	N
NIC	NN	NNC	NNF	NNIS
NNM	NNU-M	NRU	NbU	NcD
NcU	NhD	NjP	OCLoyd	OCU
OO	OU	PPAmP	RPB	WU
WaU				

Akademiia nauk SSSR, Botanicheskii institut, Flora SSSR [Academy of Sciences of the U.S.S.R. Botanical Institute, Flora of the U.S.S.R.]

CLSU	CSfA	CSt	CU	CU-A
CaOOG	CaOTU	CtY	DNAL	ICF
ICU	IU	InLP	InNd	MBA
MBN	MH-G	MnU	MoKL	NBG
NIC-A	NN	NNC	NRU	NYBT
NcD	NcRS	NjR	OU	PPAN
PPAmP	PU-BZ	RPB	WU	WaU

Akademiia nauk SSSR, Botanicheskii institut, Trudy, Seriia 3, Geobotanika [Academy of Sciences of the U.S.S.R. Botanical Institute, Transactions, Series 3, Geobotany]

CLSU	CLU	CSfA	CSt	CU
CtY	DNAL	DSI-M	ICF	KU
MBA	MBN	MH-A	MH-G	MWhB
MiU	MnU	MoSB	NBG	NIC-A
NN	NNC	NRU	NYBT	NcD
NjR	PPAN	PPAmP	WU	WaU

Akademiia nauk SSSR, Botanicheskii institut, Trudy, Seriia 5, Rastitel'noe syr'e [Academy of Sciences of the U.S.S.R. Botanical Institute, Transactions, Series 5, Plant Resources]

CLSU	CLU	CSfA	CU	CaOTU
CtY	DNAL	MBA	MBN	MH-A
MH-G	MiU	MnU	MoKL	MoSB
NIC-A	NN	NYBT	PPAmP	WU
WaU				

Akademiia nauk SSSR, Botanicheskii institut, Otdel sporovykh rastenii, Botanicheskie materialy [Academy of Sciences of the U.S.S.R. Botanical Institute, Section of Cryptogamic Plants, Botanical Materials]

CSfA	CU	DNAL	ICF	MWhB
MnU	MoSB	NBG	NIC-A	NNBG
NNC	NjR	PPAN		

Akademiia nauk SSSR, Gel'mintologicheskaia laboratoriia, Osnovy nematodologii [Academy of Sciences of the U.S.S.R. Helminthological Laboratory, Principles of Nematodology]

CU	CtY	DNAL	DNLM	FTaSU
ICJ	IU	KU	MH	MiEM
MnU	NcD	OU		

Akademiia nauk SSSR, IAkutskii filial, Yakutsk, Institut biologii, Trudy [Academy of Sciences of the U.S.S.R. Yakut Branch, Institute of Biology, Transactions]

CU	CtY	DNAL	ICMILC	NhD
PPAN				

Akademiia nauk SSSR, Institut biokhimii, Biokhimiia plodov i ovoshchei [Academy of Sciences of the U.S.S.R. Institute of Biochemistry, Biochemistry of Fruit and Vegetables]

DNAL	NIC

Akademiia nauk SSSR, Institut biologii vodokhranilishch, Biulleten' [Academy of Sciences of the U.S.S.R. Institute of the Biology of Reservoirs, Bulletin]

CU-S	DNAL	MiU	PPAN

Akademiia nauk SSSR, Institut biologii vodokhranilishch, Trudy [Academy of Sciences of the U.S.S.R. Institute of the Biology of Reservoirs, Transactions]

MiU	NIC	PPAN

Akademiia nauk SSSR, Institut genetiki, Trudy [Academy of Sciences of the U.S.S.R. Institute of Genetics, Transactions]

CLSU	CSfA	CSt	CU	CaOOA
CaOTU	CtU	DNAL	DNLM	ICJ
InU	MBN	MH	MH-A	MWhB
MiU	MnU	NCaC	NIC-A	NN
NNC	NNM	NNRI	PPAN	

Akademiia nauk SSSR, Institut morfologii zhivotnykh, Trudy [Academy of Sciences of the U.S.S.R. Institute of Animal Morphology, Transactions]

CSt	CU-S	CtY	DNAL	DNLM
HU	MiEM	MiU	NIC	NNC
NcD	OrCS	PPAN		

Akademiia nauk SSSR, Institut tsitologii, Sbornik rabot [Academy of Sciences of the U.S.S.R. Institute of Cytology, Papers]

CLU	CU	DNAL

Akademiia nauk SSSR, Institut vysshei nervnoi deiatel'nosti, Trudy, Seriia fiziologicheskaia [Academy of Sciences of the U.S.S.R. Institute of the Higher Nervous Function, Transactions, Physiological

Series]

CLU	DNLM	ICMILC	IU	MiLN
MiU	NIC	NcU-H	OrCS	ViU
WaU				

Akademiia nauk SSSR. Moldavskii filial. Institut biologii. Trudy [Academy of Sciences of the U.S.S.R. Moldavian Branch. Institute of Biology. Transactions]

Akademiia nauk SSSR. Sibirskoe otdelenie. Izvestiia. Seriia biologo-meditsinskikh nauk [Academy of Sciences of the U.S.S.R. Siberian Department. Bulletin. Series in the Biological and Medical Sciences]

Akademiia nauk SSSR. Sibirskoe otdelenie. Limnologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Siberian Department. Limnological Institute. Transactions]

CLU	CU	NIC

Akademiia nauk SSSR. Sibirskoe otdelenie. Vostochno-Sibirskii biologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Siberian Department. East Siberian Biological Institute. Transactions]

ICMILC

Akademiia nauk SSSR. Uralskii filial, Sverdlovsk. Institut biologii. Trudy [Academy of Sciences of the U.S.S.R. Ural Branch. Institute of Biology. Transactions]

CLU	DNAL	DNLM	KU	MWhB
NIC	NNC			

Akademiia nauk SSSR. Uralskii filial, Sverdlovsk. Salekhardskii statsionar. Trudy [Academy of Sciences of the U.S.S.R. Ural Branch. Salekhard Station. Transactions]

CU	DNAL	ICMILC

Akademiia nauk SSSR. Zoologicheskii Institut. Trudy [Academy of Sciences of the U.S.S.R. Zoological Institute. Transactions]

CLU	CLSU	CSfA	CSt	CU
CaOTU	CaQMM	CoFS	CtY	DNAL
DI	DN-HO	DNLM	DSI-M	GU
ICF	ICU	IU	IaAS	LU
MBN	MH-Z	MWhB	MiEM	MiU
MoKL	NIC-A	NN	NNC	NNM
NcD	OU	OrCS	PPAN	PU
PU-BZ	TxU	WaU		

Akademiia nauk Tadzhikskoi SSR, Dushanbe. Botanicheskii institut. Trudy [Academy of Sciences of the Tajik S.S.R. Botanical Institute. Transactions]

MH

Akademiia nauk Tadzhikskoi SSR, Dushanbe. Otdel fiziologii i biofiziki rastenii. Trudy [Academy of Sciences of the Tajik S.S.R. Department of Plant Physiology and Biophysics. Transactions]

CU	MH

Akademiia nauk Turkmenskoi SSR, Ashkhabad. Izvestiia. Seriia biologicheskikh nauk [Academy of Sciences of the Turkmen S.S.R. Bulletin. Series in the Biological Sciences]

CU	DNAL	ICMILC	IaAS	MH
NNM	OU			

Akademiia nauk URSR, Kiev. Botanichnyi sad. Visnyk [Academy of Sciences of the Ukrainian S.S.R. Botanical Garden. Review]

NIC

Akademiia nauk URSR, Kiev. Instytut zoologii. Pratsi [Academy of Sciences of the Ukrainian S.S.R. Institute of Zoology. Transactions]

CSfA	CU	CtY	DSI	GaAS
KU	NNC	PPAN		

Akademiia nauk URSR, Kiev. Naukovo-prirodoznavchyi muzei. Naukovi zapysky [Academy of Sciences of the Ukrainian S.S.R. Scientific Museum of Natural History. Scientific Records]

DNAL	MH

Akademiia nauk URSR, Kiev. Zoologichnyi muzei. Zbirnyk prats' [Academy of the Sciences of the Ukrainian S.S.R. Zoological Museum. Collected Papers]

CLU	CU	CtY	ICMILC	ICU
IU	IaAS	IaU	MBN	MH
MH-P	MiU	NIC	NN	NNC
NNM	NjP	OU	PPAN	RPB
WU				

Akademiia nauk Uzbekskoi SSR, Tashkent. Botanicheskii sad. Introduktsiia i akklimatizatsiia rastenii [Academy of Sciences of the Uzbek S.S.R. Botanical Garden. Introduction and Acclimatization of Plants]

CU

Akademiia navuk BSSR, Minsk. Vestsi, Seryia bilalagichnykh navuk [Academy of Sciences of the White Russian S.S.R. Bulletin. Series in the Biological Sciences]

CU	DNAL	KU	NNF	NNM
NcD	PPAN	ViU		

Alma-Ata. Botanicheskii sad. Trudy [Botanical Garden. Transactions]

DNAL	NIC-A	PPAN	WaU

Arkhiv anatomii, gistologii i embriologii [Archives of Anatomy, Histology and Embryology]

CSt	CU	DNLM	ICJ	IU
MH-M	MWhB	MiU	MnU	NIC
NNC	NNF	NNM	NjP	OCiW
OU	PPWI	PU		

Astrakhanskii zapovednik. Trudy [Astrakhan Preserve. Transactions]

CU	MN

Batumskii botanicheskii sad. Izvestiia [Batumi Botanical Garden. Bulletin]

DNAL	MH-A

Biofizika [Biophysics]

CLU	CU	CaOON	DI	DNLM	
IAtg	ICMILC	MH	MiU	MoKL	
NIC	NN	NNF	NjMuB	RPB	
ViU					

Biokhimiia [Biochemistry]

CLU	CSfA	CU	CU-M	CaOTR	
CtY	DNAL	DNLM	ICJ	ICU	
LU	MCM	MH	MWhB	MiU	
MnU	MoKL	MoSW-M	NIC	NN	
NNC	NNF	NNIS	NNRI	OCoB	
OU	RPB	WaU			

Biologicheskoe deistvie radiatsii [Biological Effect of Radiation]

NN

Biologiia v shkole [Biology in Schools]

NN

Botanicheskii zhurnal [Botanical Journal]

CLSU	CU	CaOOA	CaOON	CtY
DNAL	IAtg	ICF	ICJ	ICMILC
ICU	IaAS	IaLA	InLP	InU
KU	MBdAF	MH-A	MH-F	MWhB
MdBJ	MnU	MoKL	MoSB	N
NIC-A	NNIS	NYBT	NcU	NjP
OCL	OCoB	OU	PPAN	RPB
WaU				

Chernomorka. Odesskaia biologicheskaia stantsiia. Naukovi zapysky [Odessa Biological Station. Studies]

DNAL

Darvinskii gosudarstvennyi zapovednik. Trudy [Darwin State Preserve. Transactions]

DNAL

Eesti NSV Teaduste Akadeemia. Toimetised. Bioloogiline seeria. Izvestiia Akademii nauk Estonskoi SSR, Seriia biologicheskaia [Academy of Sciences of the Estonian S.S.R. Bulletin. Biological Series]

CU	DNAL	MBdAF	MoKL	NNC
NNF	TONS			

Eesti NSV Teaduste Akadeemia. Eksperimentaalse ja Kliinilise Meditsiini Instituut. Issledovaniia po mikrobiologii [Academy of Sciences of the Estonian S.S.R. Institute of Experimental and Clinical Medicine. Research in Microbiology]

Eesti NSV Teaduste Akadeemia. Zooloogia ja Botaanika Instituut. Botanicheskie issledovaniia [Academy of Sciences of the Estonian S.S.R. Institute of Zoology and Botany. Botanical Research]

Eksperimental'nye issledovaniia po fiziologii, biokhimii i farmakologii [Experimental Studies in Physiology, Biochemistry, and Pharmacology]

DNLM

Entomologicheskoe obozrenie [Entomological Review]

CLSU	CLU	CSfA	CSt	CU
CaOTR	CtY	DNAL	DNLM	DSI-M
ICJ	IU	IaAS	KU	MBN
MH-Z	MNS	MiU	MnU	N
NBuB	NIC	NIC-A	NN	NNC
NNM	NRU	NjR	OCl	OU
PPAN	TU	WaU	WyU	

Fauna SSSR [Fauna of the U.S.S.R.]

AzU	CLSU	CLU	CSt	CU
CU-A	CU-S	DNAL	DSI	GU
ICF	ICJ	ICU	LU	MH-Z
MiU	MnU	NIC-A	NN	NNC
NcD	PPAN	PPAmP	PU	ViU
WaU				

Fiziologicheskii zhurnal SSSR [Physiological Journal of the U.S.S.R.]

CSt-L	CU	CaQMBM	CaQMM	CtY-M
DNAL	DNLM	ICJ	ICMILC	ICU
IEN-M	MH-M	MH-P	MWhB	MiU
MnU-B	MoKL	NBM	NN	NNF
NNIS	NNM	NNNAM	NNRI	RPB
ViU				

Fiziologiia rastenii [Physiology of Plants]

CLU	CaAEU	CaOKQ	DNAL	DNLM
ICMILC	NIC	NNC	NjR	

Flora URSR [Flora of the Ukrainian S.S.R.]

CLU	CU	CU-A	CtY	DSI
ICU	InU	MH	MdBJ	NIC-A
NNC	NYBT	PPAmP	WaU	

Floristilised markmed [Floristic Notes]

MoKL

Geograficheskoe obshchestvo SSSR. Fenologicheskii sektor. Materialy po fenologii [Geographical Society of the U.S.S.R.]

IUnyi naturalist [Young Naturalist]

Kerch. Azovo-Chernomorskii nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy [Azov-Black Sea Scientific Research Institute of Marine Fisheries and Oceanography. Transactions]

CCC	CU-S	DNLM	IU	MWhB
NNM	WaU			

Khoperskii gosudarstvennyi zapovednik. Trudy [Khoper State Preserve. Transactions]

CU

Kiev. Universytet. Visnyk. Seriia biologii [Univ. of Kiev Review. Series in Biology]

CU	MiU	NNC	PPAN

Komarovskie chteniia [Komarov Lectures]

Latvijas entomologs [Latvian Entomologist]

NIC	NNM

Latvijas Padomju Sociālistiskas Republikas Zinātņu akadēmija Mikrobioloģijas institūts. Trudy [Academy of Sciences of the Latvian S.S.R. Institute of Microbiology. Transactions]

CU	DNAL	DNLM	IU	NIC
NIC-A	WaU			

Leningradskoe obshchestvo estestvoispytatelei. Trudy [Leningrad Naturalists' Society. Transactions]

CCC	CLU	CSfA	CSt	CSt-H
CU	CtY	DI	DNAL	DNLM
DSI-M	ICF	ICJ	ICU	IU
KU	MH-F	MH-G	MH-Z	MWhB
MiU	MnU	MoSB	MoU	NBiB
NBuB	NCaC	NIC-A	NN	NNBG
NNC	NNM	NNNAM	OrCS	PPAN
PPAmP	PPWI	RBP		

Lietuvos TSR aukstuju mokyklu mokslo darbai: Biologijos Nauchnye trudy vysshikh uchebnykh zavedenii Litovskoi SSR. Biologiia [Studies by the Institutions of Higher Learning of the Lithuanian S.S.R.: Biology]

ICMILC

Lietuvos TSR Mokslu akademija, Vilna. Botanikos institutas. Botanikos klausimai [Academy of Sciences of the Lithuanian S.S.R. Botanical Institute. Problems of Botany]

Looduskaitse bulletaan [Bulletin on Conservation]

Migratsii zhivotnykh [Migration of Animals]

ICF	ICMILC	NIC

Mikrobiologiia [Microbiology]

CU	CU-A	CaOOA	CtY-M	DNAL
DNLM	ICJ	ICU	IU	IaAS
KMK	LU	MCM	MH-I	MiU
MnSJ	MoKL	NIC	NIC-A	NN
NNC	NNF	NYBT	NbU	PPAN
RPB	WU	WaU		

Mikrobiologicheskyi zhurnal [Journal of Microbiology]

CLU	CU	CU-M	DNLM	MH-FI
NNS	MiU	MoKL	NIC-A	NNI
NNNAM	OU			

Moscow. Glavnyi botanicheskii sad. Biulleten' [Moscow Botanical Garden. Bulletin]

CLU	CU	DNAL	MH-A	MiU
MoKL	NIC	NIC-A	NN	NNC

Moscow. Glavnyi botanicheskii sad. Trudy [Main Botanical Garden. Transactions]

CLU	CU	CaOONM	CtY	DNAL
MiU	NIC	OU		

Moscow. Universitet. Vestnik. Seriia 6: Biologiia, pochvovedenie [University. Review. Series 6: Biology, Soil Science]

CU	CaAEU	CoU	IEN	IU
InU	KU	MBU	MH	MH-Z
MdBJ	MiU	MoKL	NNC	NcU
OrU	RPB	WaU		

Moscow. Universitet. Belomorskaia biologicheskaia stantsiia. Trudy [University. White Sea Biological Station. Transactions]

CLU	MH

Moskovskoe obshchestvo ispytatelei prirody. Trudy. Otdel biologicheskii [Moscow Naturalists' Society. Transactions. Biological Section]

Okhrana prirody i ozelenenie [Conservation and Landscaping]

Opredeliteli po faune SSSR [Guides to the Fauna of the U.S.S.R.]

CLSU	CLU	CSt	CU	CU-S
CaOTU	CtY	DN-HO	DNAL	DNLM
DS	DSI	DSI-M	ICF	ICU
ICarbS	IU	IdU	InU	KU
MH	MH-Z	MWhB	MnU	NIC
NIC	NIC-A	NN	NNC	NNM
PPAN	PPAmP	PU	TxU	WU

Ornitologiia [Ornithology]

CU	CtY	NNM	PPAN

Petrodvorets. Biologicheskii institut. Trudy [Biological Institute. Transactions]

CLSU	CSfA	CU	CtY	DNLM
ICU	IU	IaAS	MBN	MH-BL
NH-Z	MWhB	MiU	NBuB	NIC-A
NNC	NNM	OCLloyd	OU	PPAN
PPAmP				

Primenenie matematicheskikh metodov v biologii [Use of Mathematical Methods in Biology]

Problemy botaniki [Problems of Botany]

CLU	CU	DNAL	ICMILC	MnU-B
TU				

Problemy kosmicheskoi biologii [Problems of Cosmic Biology]

CU	MoKL	NIC	RPB

Radiobiologiia [Radiobiology]

CLU	CaOON	ICMILC	WaU

Rastitel'nost' Krainego Severa SSSR i ee osvoenie [Vegetation of the Far North of the U.S.S.R. and its Utilization]

CLU	CU	CtY	ICMILC	IU
InU	NcD			

Referativnyi zhurnal, Biologicheskaia khimiia (Otdelnyi vypusk 30) [Journal of Abstracts Biochemistry (Separate Issue 30)]
CtY

Referativnyi zhurnal' Biologiia [Journal of Abstracts Biology]

CLU	CU	CaAFU	CaOOAg	CaOOG
DI	DNAL	DNLM	ICJ	IU
InAS	InLP	MH-M	MH-Z	MiU
MoAU-B	MoKL	MoU	NIC-A	NNC
NNC-M	NNF	NNIS	NNNAM	OU
P	WaU			

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly; biologicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools, Biological Sciences]

CLU	CU	CaOON	DNAL	ICMILC
NIC	NNI	NNM		

Sbornik entomologicheskikh rabot [Entomological Papers]
NIC

Sevan, Gidrobiologicheskaia stantsiia. Trudy [Hydrobiological Station. Transactions]

CStA	CtY	DI	InU	MiU
NIC-A	NNM	WU	WaU	

Sukhum. Botanicheskii sad. Trudy [Botanical Garden, Transactions]
NIC-A

Tallinn. Botaanikaaed. Uurimused. Trudy Tallinskogo botanicheskogo sada [Botanical Garden, Transactions]
CU DNAL

Tallinn. Eesti NSV Riiklik Looduseuduste Muuseum. Toid [State Museums of Natural Sciences of the Estonian S.S.R. Transactions]

Tashkent. Universitet. (Nauchnye trudy). Biologicheskie nauki [University. (Studies). Biological Sciences]

Tsentral'no-Chernozemnyi gosudarstvennyi zapovednik. Trudy [Central Black Earth Preserve. Transactions]

Tsitologiia [Cytology]

CU	DNAL	DnU	ICJ	ICMILC
MoKL	NIC	NNS	RPB	

Ukrainskii nauchno-issledovatel'skii institut fiziologii rastenii. Nauchnye trudy [Ukrainian Scientific Research Institute of Plant Physiology. Studies]

DNAL	NIC-A	NIC

Ukrainskyi biokhimichnyi zhurnal [Ukrainian Biochemical Journal]

CLU	CU	CtY	DNAL	ICF
IU	InAS	MiU	MoKL	NIC
NIC-A	NN	NNC	NNCorM	NNF
NNNAM	NNRI	OCILloyd	OCoB	OrCS

Ukrainskyi botanichnyi zhurnal [Ukrainian Botanical Journal]

CLU	CStA	CU	DNAL	ICJ
IU	InU	MH-Z	MH-G	MiU
MnU	MoKL	MoU	NBG	NIC-A
NYBG	NcU	PPAN	WaU	

Uspekhi sovremennoi biologii [Progress in Contemporary Biology]

CLSU	CStA	CSt-L	CU	CaOTR
CtY	DNAL	DNLM	ICF	ICU
InFA	InU	MCM	MH-BL	MH-Z
MWHI	MiU	MnU	MoKL	NN
NNC-M	NNF	NNIS	NNM	NNNAM
OCILloyd	OU	PPAmP	PU	RPB
WaU				

Uzbekskii biologicheskii zhurnal [Uzbek Biological Journal]

CU	CaOOAg	DNAL	MH	MoKL
NNC	NNM	ViU		

Voprosy biofiziki, biokhimii i patologii eritrotsitov [Problems in the Biophysics, Biochemistry, and Pathology of Erythrocytes]
DNLM

Voprosy biologii i krayevoi meditsiny [Problems of Biology and Endemic Medicine]
DNLM

Voprosy ekologii [Problems of Ecology]

Voprosy fiziologii i biokhimii kulturnykh rastenii [Problems of Physiology and Biochemistry of Plant Crops]
DNAL

Voprosy ikhtiologii [Problems in Ichthyology]

CLU	CU-S	CaBVaU	DNAL	DSI
ICMILC	IU	LNHT	MiEM	MiU
NIC	NN	PPAN	TxU	WaU

Voprosy morfologii periforicheskoi nervnoi sistemy [Problems of the Morphology of the Peripheral Nervous System]
DNLM

Voprosy pitaniia [Problems of Nutrition]

CSt-N	DNAL	DNLM	MnU	NIC
NN	NNC	NNF	NNIS	NNNAM

Voprosy virusologii [Problems of Virology]

CLU	CU	CU-M	DNLM	
NNF	NNNAM	ViU		

Voronezhskii gosudarstvennyi zapovednik. Trudy [Voronezh State Preserve. Transactions]

Vsesoiuznoe botanicheskoe obshchestvo. Sverdlovskoe otdelenie. Zapiski [All-Union Botanical Society, Sverdlovsk Branch. Annals]
ICMILC

Vsesoiuznoe fiziologicheskoe obshchestvo imeni I. P. Pavlova. Orenburgskoe otdelenie. Trudy [I. P. Pavlov All-Union Physiological Society, Orenburg Branch. Transactions]

Vsesoiuznoe gidrobiologicheskoe obshchestvo. Trudy [All-Union Hydrobiological Society. Transactions]
ICJ

Zhurnal obshchei biologii [Journal of General Biology]

CtY-M	DNAL	DNLM	ICF	ICJ
ICU	InU	MCM	MH	MdBJ
MnU	MoKL	NN	NNC	NNF
PPAN	PPAmP	PPWI	PPiU	WaU

Zoologicheskii zhurnal [Zoological Journal]

CU	CU-Htv	CaOTU	CtY	DNAL
DNLM	DI	ICJ	ICJ	ICU
IU	InU	kU	MH-Z	MiU
MnU	MoKL	NIC	NIC-A	NNC
NNF	NNM	NNNAM	PPAN	WU
WaU				

d) Chemistry

Akademiia nauk Armianskoi SSR, Erivan. Izvestiia, *Khimicheskie nauki* [Academy of Sciences of the Armenian S.S.R. Bulletin, Chemical Sciences]

DNAL	IU	*MBdAF*	*MCM*	*MiU*
MoKL	NNC			

Akademiia nauk Gruzinskoi SSR, Tiflis. Institut khimii. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Chemistry. Transactions]

Akademiia nauk *Gruzinskoi SSR, Tiflis.* Institut prikladnoi khimii i elektrokhimii. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Applied Chemistry and Electrochemistry. Transactions]
DNAL

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Izvestiia, Seriia khimicheskaia [Academy of Sciences of the Kazakh S.S.R. Bulletin, Chemical Series]

DNAL	IU	MCM	MoKL	WaU

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut khimicheskikh nauk. Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of Chemical Sciences. Transactions]
CU IU

Akademiia nauk SSSR. Izvestiia. Otdelenie khimicheskikh nauk [Academy of Sciences of the U.S.S.R. Bulletin, Department of Chemical Sciences]

CLU	CU	CaOOA	CaOTR	CaOTU
CtY	DBS	DNAL	FTaSU	IArg
ICJ	ICU	IaU	InLP	LU
MCM	MH	MdBJ	MiU	MoKL
NN	NNC	NNF	NNIS	NcD
NcU	NhD	OCoB	OU	OUCA
P	PPAmP	RPB	ViBlbV	WaU

Akademiia nauk SSSR. Izvestiia, Seriia khimicheskaia [Academy of Sciences of the U.S.S.R. Bulletin, Chemical Series]

Akademiia nauk SSSR. Kazanskii filial. Izvestiia, Seriia khimicheskikh nauk [Academy of Sciences of the U.S.S.R. Kazan Branch. Bulletin, Series in the Chemical Sciences]
ICMILC

Akademiia nauk SSSR. Komissiia po analiticheskoi khimii. Trudy [Academy of Sciences of the U.S.S.R. Commission on Analytical Chemistry. Transactions]

CU	ICJ	IU	NIC	NN
WaU				

Akademiia nauk SSSR. Sibirskoe otdelenie. Izvestiia, Seriia khimicheskikh nauk [Academy of Sciences of the U.S.S.R. Siberian Department. Bulletin, Series in the Chemical Sciences]

Akademiia nauk SSSR. Uralskii filial, Sverdlovsk. Institut elektrokhimii. Trudy [Academy of Sciences of the U.S.S.R. Ural Branch. Institute of Electrochemistry. Transactions]

AzU	ICMILC	MoKL	*NIC*	*OCoB*

Akademiia nauk SSSR. Uralskii filial, Sverdlovsk. Institut khimii. Trudy [Academy of Sciences of the U.S.S.R. Ural Branch. Institute of Chemistry. Transactions]

CU	ICMILC	MCM	NIC

Akademiia nauk URSR, Kiev. Instytut zahal'noi ta neorganichnoi khimii. Raboty po khimii rastvorov i kompleksnykh soedinenii [Academy of Sciences of the Ukrainian S.S.R. Institute of General and Inorganic Chemistry. Papers on the Chemistry of Solutions and Complex Compounds]

MiU	WaU

Azerbaidzhanskii khimicheskii zhurnal [Azerbaijan Chemical Journal]

CU	ICMILC	KU	MnU	MoKL
NN				

Gidrokhimicheskie materialy [Materials on Hydrochemistry]

CaOTR	DNAL	NN	NcD

Irkutsk. Universitet. Fiziko-khimicheskii nauchno-issledovatel'skii institut. Izvestiia [University. Physical Chemistry Scientific Research Institute. Bulletin]

Khimiia v shkole [Chemistry in Schools]

NN	OCoB

Kinetika i kataliz [Kinetics and Catalysis]

CLU	CU-S	ICMILC	MoKL	NIC
NNC	PPF	WaU		

Kishinev. Universitet. Trudy po khimii prirodnykh soedinenii [University. Papers on the Chemistry of Natural Compounds]

Kolloidnyi zhurnal [Colloid Journal]

CLSU	CLU	CU	CtY	DNAL
IAag	ICJ	IU	MCM	MH
MiU	MnU	MoKL	NN	NhC
NNI	NNIS	NcD	OCoB	OU
PPAN	PPAmP	RPB		

Lietuvos TSR aukstuju mokyklu mokslo darbai. Chemija ir chemine technologija. Nauchnye trudy vysshikh uchebnykh zavedenii Litovskoi SSR. Khimiia i khimicheskaia tekhnologiia [Studies by the Institutions of Higher Learning of the Lithuanian S.S.R. Chemistry and Chemical Technology]

Moscow. Universitet. Vestnik. Seriia 2 Khimiia [University. Review. Series 2 Chemistry]

CLU	CU	DNAL	ICU	InNd
KU	MH	MdBJ	MoKL	NN
NNC	RPB			

Moscow. Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury. Khimiia, sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [All-Union State Library of Foreign Literature. Chemistry, Classified Index of Articles in Foreign Periodicals]

Radiokhimiia [Radiochemistry]

CLU	CU	ICMILC	InAS	MiU
MoKL	NN	NNC	PPF	RPB
TxCNS				

Reaktsii i metody issledovaniia organicheskikh soedinenii [Reactions and Methods of Investigating Organic Compounds]

Referativnyi zhurnal Khimiia [Journal of Abstracts Chemistry]

CLU	CStmoR	CU	CaOON	CtY
DNAL	DNLM	FU	ICJ	IU
kU	MCM	MiDW	MiU	MnU
MoKL	MoU	NIC	NN	NNC
NNF	NNNAM	NjMoA	OrCS	P
PPF	PSt	RPB	ViU	

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, khimiia i khimicheskaia tekhnologiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Chemistry and Chemical Technology]

CaOON	DNAL	ICJ	MCM	MoKL
NIC	NRE	OCoB	ViU	

Ukrainskii khimicheskii zhurnal [Ukrainian Chemical Journal]

CU	DBS	DNAL	DNIH	DP
DSI	*GAT*	*ICJ*	*IU*	*InU*
MH	MiU	MoKL	NIC-A	NN
NcU	NjMoB	OU	PPF	WaU

Uspekhi khimii [Progress in Chemistry]

CLU	CStmoR	CU	CaBVaU	CaOTR
CoBBS	CtY	DBS	DNAL	DNLM
ICJ	*ICU*	*IU*	*MH*	*MMeT*
MiU	MnU	MoKL	NN	NNC
NNIS	NcD	NcU	OCoB	PSt
RPB				

Uzbekskii khimicheskii zhurnal [Uzbek Chemical Journal]

CU	CaOON	DNAL	DNIH	MH
MiU	MoKL	OCoB	PPF	ViU

Vsesoiuznoe khimicheskoe obshchestvo imeni D. I. Mendeleeva. Zhurnal [D. I. Mendeleev All-Union Chemical Society. Journal]

CStmoR	CU	CaOON	DNAL	ICJ
InLP	MnU	MoKL	NIC	NN
NNC	NNE	PSt	*ViU*	*WaU*

Vysokomolekuliarnye soedineniia [Macromolecular Compounds]

CLU	CU	CaOON	DBS	ICJ
IaU	MoKL	NIC	NNC	NNCC
NRE	NjP	OCoB	RPB	

Zhurnal analiticheskoi khimii [Journal of Analytical Chemistry]

CU	CtY	DBS	DNAL	ICJ
ICU	IU	MH	MnU	MoKL
NIC	NN	NNC	NNIS	NcD
OCoB	PPF	RPB	WaU	

Zhurnal fizicheskoi khimii [Journal of Physical Chemistry]

CLSU	CLU	CU	CaOON	CtY
DBS	DNAL	DNLM	ICJ	ICU
IU	InAS	InU	LU	MCM
MH	MnU	MoKL	MoU	NIC
NN	NRE	NcD	NjP	OCoB
OU	PPAN	PPF	PSt	PU-Sc
RPB	WaU			

Zhurnal neorganicheskoi khimii [Journal of Inorganic Chemistry]

CLU	CU	CU-S	DBS	DC

DNH	ICJ	ICMILC	ICU	IEN
IU	IaAS	InLP	LU	MH
MiMidD	MnU	NIC	NN	NNC
NNCC	NcU	NjMuB	PSt	POVS
VIU	WU			

Zhurnal obshchei khimii [Journal of General Chemistry]

CLSU	CLU	CU	CaOOA	CaOON
CaOTR	CaOTU	CtY	DBS	DI-GS
DNAL	DNLM	ICJ	ICU	IEN
IU	IaAS	LaU	LU	MBA
MBdAF	MCM	MH	MdBJ	MiU
MnU	MoKL	MoU	NIC-A	NN
NNC	NNE	NNF	NNIS	NNNAM
NNRI	NcD	NcU	NjP	OCU
OCl	OClW	OCoB	OU	PPAN
PPAmP	PPBC	PSt	PU	RPB
WAP	WaU			

Zhurnal strukturnoi khimii [Journal of Structural Chemistry]

CLU	CaOON	ICMILC	MiU	MoKL
NIC	NNC	OCoB	PPF	

e) Mathematics

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Institut matematiki i mekhaniki. Trudy [Academy of Sciences of the Azerbaijan S.S.R. Institute of Mathematics and Mechanics. Transactions]

MH	OCoB

Akademiia nauk Gruzinskoi SSR, Tiflis. Matematicheskii institut. Trudy [Academy of Sciences of the Georgian S.S.R. Mathematical Institute. Transactions]

CLU	CU	LU	MCM	MdBJ
MiU	NN	NIC	NNC	NcD
NcU	WaU			

Akademiia nauk Gruzinskoi SSR, Tiflis. Vychislitel'nyi tsentr. Trudy [Academy of Sciences of the Georgian S.S.R. Computation Center. Transactions]

CU	IaAS	NjP

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Sektor matematiki i mekhaniki. Trudy [Academy of Sciences of the Kazakh S.S.R. Sector of Mathematics and Mechanics. Transactions]

InNd	MH	MoKL	WaU

Akademiia nauk SSSR. Izvestiia. Seriia matematicheskaia [Academy of Sciences of the U.S.S.R. Bulletin. Mathematical Series]

CLU	CStmoR	CU	CU-RIv	CaOTU
CoBBS	CtHT	CtY	DBS	DS
GU	ICJ	ICU	IEN	IU
IaU	InLP	InNd	KU	LNHT
LU	MCM	MH	MdBJ	MiU
MnU	MoKL	MoU	NAmW	NIC
NN	NNC	NNIS	NNU	NcD
NcU	NhD	NjP	NmUpU	OClW
OU	OrCS	PU	RPB	TU
ViBlbV	WaU			

Akademiia nauk SSSR. Matematicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Mathematical Institute. Transactions]

CLSU	CSt	CStmoR	CU	CaOTU
CtY	DBS	GAT	GU	ICU
IU	IaU	InLP	LU	MCM
MH	MdBJ	MoKL	MoSW	NN
NNC	NNU-W	NcD	NcU	NjP
NjR	OCU	OU	PPAmP	PPF
PU-Math	RPB	ViU	WU	WaU

Akademiia nauk SSSR. Vychislitel'nyi tsentr. Nomograficheskii sbornik [Academy of Sciences of the U.S.S.R. Computation Center. Nomographic Papers]

CLU	CU	ICMILC	MH	NIC
RPB				

Akademiia nauk SSSR. Vychislitel'nyi tsentr. Soobshcheniia po vychislitel'noi matematike [Academy of Sciences of the U.S.S.R. Computation Center. Reports on Computer Mathematics]

Akademiia nauk SSSR. Vychislitel'nyi tsentr. Soobshcheniia po vychislitel'noi tekhnike [Academy of Sciences of the U.S.S.R. Computation Center. Reports on Computer Technology]

CStmoR	CU

Akademiia nauk SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy dlia mashiny "Strela-3" [Academy of Sciences of the U.S.S.R. Computation Center. Standard Programs for the "Strela-3" Computer]

CStomR	CU

Akademiia nauk SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy dlia mashin "Ural" [Academy of Sciences of the U.S.S.R. Computation Center. Standard Programs for the "Ural" Computers]

CU

Akademiia nauk SSSR. Vychislitel'nyi tsentr. Standartnye programmy BESM-2 [Academy of Sciences of the U.S.S.R. Computation Center. Standard Programs for the BESM-2]

CStmoR	CU	RPB

Akademiia nauk URSR, Kiev. Seminar po metodam matematicheskogo modelirovaniia i teorii elektricheskikh tsepei. Matematicheskoe modelirovanie i elektricheskie tsepi [Academy of Sciences of the Ukrainian S.S.R. Seminar on the Methods of Mathematical Modeling and the Theory of Electrical Networks. Mathematical Modeling and Electrical Networks]

Akademiia nauk Uzbekskoi SSR, Tashkent. Institut matematiki. Trudy [Academy of Sciences of the Uzbek S.S.R. Institute of Mathematics. Transactions]

NNC	RPB

Chekhoslovatskii matematicheskii zhurnal [Czechoslovak Mathematical Journal]

Erivan. Vychislitel'nyi tsentr. Trudy [Computation Center. Transactions]

Istoriko-matematicheskie issledovaniia [Studies in the History of Mathematics]

CLU	CU	ICU	MH	MiU
NIC	NN	NNC	NcD	OSte
PPB	WaU			

Istoryko-matematychnyi zbirnyk [Collected Papers on the History of Mathematics]

IU	MH	MiU	NjP	RPB

Lietuvos matematikos rinkinys. Litovskii matematicheskii sbornik [Lithuanian Mathematical Papers]

CU	ICMILC

Matematicheskii sbornik [Mathematical Review]

AAP	AzTeS	CLSU	CLU	CPT
CSt-H	CStmoR	CU	CU-RIv	CU-S
CaOON	CaOTR	CoBBS	CoU	CtY
DBS	GAT	ICJ	ICU	IFN
IU	KyU	LU	MCM	MH
MiU	MnU	MoKL	MoU	NN
NNC	NNIS	NRU	NcD	NhD
NjP	NmUpU	OCU	PU	RPB
TU	TxU	ViBlV	WaU	

Matematika, periodicheskii sbornik perevodov inostrannykh statei [Mathematics, Translations of Foreign Articles]

Matematika v shkole [Mathematics in Schools]

CSt	CU	InLP	MH	MiU
NN	NNIS	RPB		

Metody vychislenii [Computation Methods]

Moscow. Inzhenerno-fizicheskii institut. Vychislitel'naia tekhnika, sbornik statei [Institute of Engineering Physics. Computer Technology; Papers]

CStmoR	MH	NIC

Moscow. Universitet. Vestnik. Serita 1. Matematika, mekhanika [University. Review. Series 1 Mathematics, Mechanics]

CLSU	CLU	CU-A	CaOTU	IaAS
InLP	InNd	KU	LNHT	MdBJ
MiU	NN	NNC	NRU	PPF
PSt	RPB	TxCM	TxHR	WaU

Moscow. Universitet. Nauchno-issledovatel'skii institut matematiki. Trudy Seminara po vektornomu i tenzornomu analizu s ikh prilozheniiami k geometrii, mekhanike i fizike [University. Scientific Research Institute of Mathematics. Transactions of the Seminar on Vector and Tensor Analysis with Their Application in Geometry, Mechanics, and Physics]

CLSU	ICU	IU	LU	MCM
MdBJ	MiU	MoKL	NN	NNC
NhD	RPB	WaU		

Moscow. Universitet druzhby narodov. Seminar po teorii differentsial'nykh uravnenii s otkloniaiushchimsia argumentom. Trudy [University of the Peoples' Friendship. Seminar on the Theory of Differential Equations with Deviating Argument. Transactions]

Moskovskoe matematicheskoe obshchestvo. Trudy [Moscow Mathematical Society. Transactions]

AU	CLSU	CU	CaBVaU	CtY
ICJ	ICU	IEN	IU	InLP
InU	KU	MH	MdBJ	MiDW
MiU	MnU	NIC	NN	NNC
NcD	NcU	NjMuB	NjP	OU
PU	RPB	TxHR	WU	WaU

Obobshchennye funktsii [Generalized Functions]

CLU	CSt	CU	CU-A	CU-S
CtY	ICU	IEN	MH	MiDW
MiU	NIC	NNC	NRU	NcD
NcRS	NjR	OU	PSt	RPB
TxHR	WaU			

Prikladnaia matematika i mekhanika [Applied Mathematics and Mechanics]

CLU	CStmoR	CU-A	CU-E	CtY
DBS	ICU	IU	KU	MCM
MH	MdBJ	MnU	MoKL	NN
NNC	NNE	NNIS	NcU	OCU
OCoB	OU	PPF	RPB	TU
WU	WaU			

Referativnyi zhurnal: Matematika [Journal of Abstracts: Mathematics]

AU	CCC	CLSU	CLU	CPT
CSt	CStbS	CStmoR	CU	CaOON
CaOTU	CoBBS	CtY	DBC	DBS
DN-Ob	GU	ICJ	IU	InAS
InLP	InU	KU	MCM	MiDW
MiU	MnU	MoKL	MoSW	MoU
NIC	NN	NNC	NNCoCl	NRU
NbU	NcD	NhD	OCU	OrCS
P	PU	RPB	TxHR	WU
WaU				

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii. Matematika [Ministry of Higher and Secondary Specialized Education. Bulletin of Institutions of Higher Learning. Mathematics]

CCC	CU	CaOON	ICU	IU
MH	MiU	MoKL	MiC	NcU
OCoB	PPSU	PSt	PU	RPB
TxHR				

Sibirskii matematicheskii zhurnal [Siberian Mathematical Journal]

CLSU	CPT	CStbS	CU-A	CU-RIv
CaOTU	ICMILC	IaAS	InNd	LNHT
MiU	MoKL	NbU	NIC	NNC
NjP	UPB			

Tartu. Ulikool. Vychislitel'nyi tsentr. Trudy [University. Computation Center. Transactions]

Tashkent. Universitet. Nauchnye trudy. Matematicheskie nauki [University. Studies. Mathematical Sciences]

Teoriia veroiatnostei i ee primeneniia [Theory of Probability and its Applications]

CLSU	CLU	CSt	CStmoR	CU
CU-A	CU-RIv	CaOON	DE	ICMILC
ICU	ILN	ID	IaAS	IaU
InU	LNHT	LU	MBdAI	MH
MIEM	MiU	MnU	MoKL	MoU
NIC	NN	NNC	NNL	NcNU
NRU	NcU	NhD	NjMuB	PSt
RPB	ViU	WaU		

Ukrainskii matematicheskii zhurnal [Ukrainian Mathematical Journal]

CSt	CU	CU-A	ICJ	ICU
IU	IaAS	InU	LU	MCM
MdBJ	MiU	MnU	MoKL	MoU
NN	NNC	NcU	PPI	RPB
WaU				

Uspekhi matematicheskikh nauk [Progress in the Mathematical Sciences]

CLSU	CLU	CSt	CStmoR	CU
CU-A	CoU	DBS	ICJ	ICU
IU	MCM	MH	MiU	MnU
MoKL	NIC	NN	NNC	NRIa
NcU	NjP	OClW	OU	PBC
PPF	PU	RPB	TU	WaU

Vychislitel'naia tekhnika i voprosy programmirovaniia [Computer Technology and Programming Problems]

MH	NIC

Zbirnyk prats' z obchysliuval'noi matematyky [Papers on Computer Mathematical and Engineering]

Zhurnal vychislitel'noi matematiki i matematicheskoi fiziki [Journal of Computer Mathematics and Mathematical Physics]

CPT	CSt	CaOON	ICMILC	IaAS
InND	MCM	MiU	MoKL	NN
NjP	NAmW	OCoB	OrU	PPI

f) Physics

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Institut fiziki. Trudy [Academy of Sciences of the Azerbaijan S.S.R. Institute of Physics. Transactions]

WaU

Akademiia nauk Gruzinskoi SSR, Tiflis. Institut fiziki. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Physics. Transactions]

ICMILC	InU	NNC

Akademiia nauk Gruzinskoi SSR, Tiflis. Institut geofiziki. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Geophysics. Transactions]

NNC

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut iadernoi fiziki. Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of Nuclear Physics. Transactions]

CLU	CU-S	ICMILC	IaAS	MoKL
NN				

Akademiia nauk SSSR. Izvestiia. Seriia fizicheskaia [Academy of Sciences of the U.S.S.R. Bulletin. Physical Series]

CLU	CSt	CStmoR	CU	CaOTR
CoU	CtHT	CtY	DBS	DSAL
DSI-M	GU	IAig	ICJ	ICU
IU	IaU	InIA	InLP	MBA
MCM	MH	MdBJ	MiU	MnU
MoKL	NIC	NN	NNC	NNIS
NbU	NcD	NcU	NjP	OCoB
OU	PPAP	RPB	TxU	WaU

Akademiia nauk SSSR. Izvestiia. Seriia geofizicheskaia [Academy of Sciences of the U.S.S.R. Bulletin. Geophysical Series]

AzU	CLU	CStmoR	CU	CU-A
CaOTU	CoBBS	CtY	DI-GS	DS
DWB	ICJ	ICMILC	ICU	IaAS
IaU	MH	MdBJ	MiDW	MiU
MnU	MoKL	NN	NNC	NNL
NNIS	NcU	OCoB	OU	PSt
PU	RPB	TxCM	TxHR	ViU
WU				

Akademiia nauk SSSR. Fizicheskii institut. Trudy [Academy of Sciences of the U. S. S. R. Institute of Physics. Transactions]

CLU	CU	CaOTR	DNAL	MoKL
NN	NNC	NjMuB	NjR	PPF
RPB	WaU			

Akademiia nauk SSSR. Institut fiziki Zemli. Trudy [Academy of Sciences of the U. S. S. R. Institute of Physics of the Earth. Transactions]

CLU	CU-S	CaOON	CtY	ICMILC
KU	MoKL	MoU	NIC	NN
N.D	OU	TxHR	WaU	

Akademiia nauk SSSR. Kazanskii filial. Trudy. Seriia fiziko-matematicheskikh i tekhnicheskikh nauk [Academy of Sciences of the U. S. S. R. Kazan Branch. Transactions. Series in the Physicomathematical and Technological Sciences]

ICMILC

Akademiia nauk SSSR. Turkmenskii filial, Ashkhabad. Fiziko-tekhnicheskii institut. Trudy [Academy of Sciences of the U. S. S. R. Turkmen Branch. Institute of Physics and Technology. Transactions]

MiU	PU

Akademiia nauk Tadzhikskoi SSR, Dushanbe. Otdel fiziki i matematiki. Trudy [Academy of Sciences of the Tadzhik S. S. R. Department of Physics and Mathematics. Transactions]

Akademiia nauk URSR, Kiev. Instytut geofizyky. Geofizicheskii sbornik [Academy of Sciences of the Ukrainian S. S. R. Institute of Geophysics. Geophysical Papers]

CaOOG	ICMILC	ICU	MoKL

Akademiia nauk Uzbekskoi SSR, Tashkent. Izvestiia. Seriia fiziko-matematicheskikh nauk [Academy of Sciences of the Uzbek S. S. R. Bulletin. Series in Physical and Mathematical Sciences]

CLSU	CSt	CU	CoBBS	KU
MH	MiU	NNC		

Akademiia navuk BSSR, Minsk. Vestsi. Seryia fizika-tekhnichnykh navuk [Academy of Sciences of the White Russian S. S. R. Bulletin. Series in the Physical and Technological Sciences]

CU	ICMILC	IEN	KU	MBdAF
MCM	MoKL	NN	PPF	RPB
ViU				

Akusticheskii zhurnal [Journal of Acoustics]

CLU	CU	CU-A	DBS	ICJ
ICMILC	MCM	MoKL	NBSU-M	NIC
NN	NNC	NjMuB	OCIC S	OCoB
PPF	RPB			

Chekhoslovatskii fizicheskii zhurnal [Czechoslovak Journal of Physics]

Dosiahnennia suchasnoi fizyky [Achievements of Modern Physics]

Eesti NSV Teaduste Akadeemia. Fuusika ja Astronoomia Instituut. Uurimused Trudy Instituta fiziki i astronomii Akademii nauk Estonskoi SSR [Academy of Sciences of the Estonian S. S. R. Institut of Physics and Astronomy. Transactions]

CSt	CU	ICMILC	ICU	ICU-Y
IU	MH	NNC	NjP	

Fizika tverdogo tela [Solid State Physics]

CSt	CU	CaOON	CoBBS	ICMILC
IEN	MCM	MoKL	NIC	NRE
NjMuB	OCoB	RPB		

Fizika v shkole [Physics in Schools]

CU	InLP	MH	NN	NNIS

Geofizicheskii biulleten' [Geophysical Bulletin]

CLU	CU-S	IU	NNC	NhD

Geomagnetizm i aeronomiia [Geomagnetism and Aeronomy]

CU	CaOON	ICMILC	MCM	

Gosudarstvennoe izdatel'stvo literatury v oblasti atomnoi nauki i tekhniki, Moscow. Nauchno-tekhnicheskii sbornik [State Publishing House of Literature in the Field of Atomic Science and Technology. Technical Papers]

OCoB

Iskusstvennye sputniki Zemli [Artificial Earth Satellites]

CU	CaOON	MCM	MoKL	NIC
NN	RPB			

Issledovaniia po uprugosti i plastichnosti [Studies on Elasticity and Plasticity]

MoKL	OU	RPB

Kiev. Ukrainskii nauchno-issledovatel'skii gidrometeorologicheskii institut. Trudy [Ukrainian Scientific Research Hydrometeorological Institute. Transactions]

DNAL	DWB	MCM

Kishinev. Universitet. Trudy po fizike poluprovodnikov [University. Papers on Semiconductor Physics]

Kristallografiia [Crystallography]

CLU	CU	CaOOG	ICMILC	IEN
IaU	LNHT	MCM	MH	MoKL
NIC	NN	NNC	NeU	NjMuB
RPB	TxU	ViU		

Latvijas Padomju Sotsialistiskas Republikas Zinatnu akademija. Fizikas instituts. Raksti. Trudy Instituta fiziki, Akademii nauk Latviiskoi SSR [Academy of Sciences of the Latvian S. S. R. Institute of Physics. Transactions]

CU	CaOTU	ICU	MdU	NN
NNC	NjP	OU	PU-Math	RPB
TNJ				

Leningrad. Gidrometeorologicheskii institut. Trudy [Hydrometeorological Institute. Transactions]

Leningrad. Glavnaia geofizicheskaia observatoriia. Trudy [Main Geophysical Observatory. Transactions]

CU	CaOTU	DNAL	DWB	ICU
KU	MCM	NN	TxU	WaU

Lietuvos fizikos rinkinys. Litovskii fizicheskii sbornik [Lithuanian Physics Papers]

CMthL	CU	ICMILC	RPB

Lietuvos TSR aukstuju mokyklu mokslo darbai. Mechanika. Nauchnye trudy vysshikh uchebnykh zavedenii Litovskoi SSR Mekhanika [Studies by the Institutions of Higher Learning of the Lithuanian S. S. R. Mechanics]

Meteorologiia i gidrologiia [Meteorology and Hydrology]

AzU	CStmoR	CU	CU-S	CaOTM
CaOTU	CaQMAI	DNAL	GAT	ICU
IU	InLP	MH	MH-BH	MWhB
MiU	MoKL	NN	NjMuB	OCU
Pst	TxU			

Mnogokanal'nye izmeritel'nye sistemy v iadernoi fizike [Multichannel Measuring Systems in Nuclear Physics]

Moscow. Inzhenerno-fizicheskii institut. Voprosy dozimetrii i zashchity ot izluchenii [Institute of Engineering Physics. Problems of Dosimetry and Radiation Protection]

CU	OCoB

Moscow. Nauchno-issledovatel'skii institut aerobiklimatologii. Trudy [Scientific Research Institute of Aeroclimatology. Transactions]

CLU	CU	DN-HO	DNAL	IU

Moscow. Tsentral'nyi institut prognozov. Trudy [Central Weather Institute. Transactions]

CU-S	CaOTU	DNAL	GAT	KU
MCM				

Moscow. Universitet. Vestnik. Seriia 3: Fizika, astronomiia [University. Review. Series 3: Physics, Astronomy]

CLU	DN-Ob	InNd	KU	LNHT
MBU	MdBJ	MiU	MoKL	NN
NNC	NcU	OrCS	RPB	TxHR
WaU				

Odessa. Gidrometeorologicheskii institut. Trudy [Hydrometeorological Institute. Transactions]

NN	

Optika i spektroskopiia [Optics and Spectroscopy]

CLU	CU	CoBBS	DBS	ICJ
ICMILC	IEN	IU	IaAS	IaU
LU	MCM	MH	MiMeI	MdBJ
MiU	MoKL	NBSU-M	NIC	NN
NNC	NRU	NjP	NjMuB	OCoB
OU	PPF	RPB	TxDaM	ViU
WaU				

Praktikum po iadernoi fizike [Laboratory Manual on Nuclear Physics]

Pribory i tekhnika eksperimenta [Instruments and Experimental Technique]

CLU	CPT	CU	CaOON	DBS
DNH	IEN	ICMILC	MH	MoKL
NIC	NN	NjMuB	OCoB	OON
RPB	TONS			

Primenenie ul'traakustiki k issledovaniiu veshchestva [Use of Ultrasonic Waves for the Study of Matter]

ICJ	

Problemy difraktsii i rasprostraneniia voln [Problems in Wave Diffraction and Propagation]

Referativnyi zhurnal: Fizika [Journal of Abstracts Physics]

CLU	CSt	CStmoR	CaOON	CoBBS
CoU	CtY	DBC	FU	ICJ
IU	KU	MCM	MiU	MnU
MoKL	MoSW	MoU	NIC	NN
NNC	NcD	NjP	OCoB	OrCS
P	PPF	Pst	RPB	

Referativnyi zhurnal: Geofizika [Journal of Abstracts: *Geophysics*]

CLU	CSt	CU	CU-S	CaOON
CoBBS	CoU	DBC	DBS	DN-HO
FU	IU	IaAS	InLP	InU
MCM	MiU	MnU	MoKL	MoSW
MoU	NIC	NNC	NjMuB	OCoB
P	WaU			

Referativnyi zhurnal: Mekhanika [Journal of Abstracts: *Mechanics*]

CLU	CPT	CSt	CStmoR	CU
CaOON	DBS	DC	FU	ICJ
IU	InLP	InU	KU	MCM
MdBJ	MnU	MoKL	MoU	NIC
NN	NNC	NbU	NcRS	NjMuB
OrCS	P	PPF	RPB	WaU

Riga. Universitate. Zinatniskie raksti. Uchenye zapiski Latviiskogo gosudarstvennogo universiteta [University. Studies]

Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; fizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning. Physics]

CU	CaOON	DN-RL	IaU	MoKL
NIC	NN	NNC	OCoB	PPF
TONS	ViU			

Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; radiofizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning. Radio Physics]

CU	CaOON	CoBBS	DC	DN-RL
ICMILC	InNd	MiU	MoKL	NIC
NN	NNC	NjMuB	OCoB	ViU

Sredneaziatskii nauchno-issledovatel'skii gidrometeorologicheskii institut. Trudy [Central Asia Hydrometeorological Research Institute. Transactions]

CU	DNAL	DN-HO	WaU

Teplo- i massoperenos [Heat and Mass Transfer]

Teplofizika vysokikh temperatur [Thermophysics of High Temperatures]

Tiflis. Nauchno-issledovatel'skii gidrometeorologicheskii institut. Trudy [Hydrometeorological Scientific Research Institute. Transactions]

DNAL	

Tsentral'naia aerologicheskaia observatoriia. Trudy [Central Aerological Observatory. Transactions]

CU	CU-S	CoBBS

Ukrainskyi fizychnyi zhurnal [Ukrainian Physical Journal]

CU	CaOON	ICJ	IEN	InU
KU	MdBJ	MiU	MoKL	NHC
NRE	NRU	NcD	OCoB	OU
PPF	RPB			

Uspekhi fizicheskikh nauk [Progress in the Physical Sciences]

CLU	CSt-L	CStmoR	CU	CU-A
CoBBS	DBS	DN-RL	DS	ICU
IU	MH	MnU	MoKL	NIC
NN	NNC	NNIS	NcRS	OCoB
PPF	RPB	RU	TxU	WaU

Zhurnal eksperimental'noi i teoreticheskoi fiziki [Journal of *Experimental and Theoretical Physics*]

CLU	CSt-L	CStmoR	CU	CaOON
CtY	DBS	DNAL	ICJ	ICU
IEN	IU	IaU	MCM	MH
MH-PR	MiU	MnU	MoKL	NIC
NN	NNC	NNIS	NRE	NRU
NcD	NcU	NjP	OCoB	OU
PPAN	PU-Math	PU-P	RPB	TxU
WU	WaU			

14. MEDICINE

a) General

Akademiia meditsinskikh nauk SSSR, Moscow. Trudy [Academy of Medical Sciences of the U. S. S. R. Transactions]

DNLM

Akademiia meditsinskikh nauk SSSR, Moscow. Vestnik [Academy of Medical Sciences of the U. S. S. R. Journal]

CU-M	CtY-M	DBC	DNLM	ICJ
ICU	MBU	MH	MiU	MnU
MoSW	NNF	NNIS	NNNAM	

Akademiia meditsinskikh nauk SSSR, Moscow. Institut onkologii. Trudy [Academy of Medical Sciences of the U. S. S. R. Institute of Oncology. Transactions]

DNLM

Akademiia meditsinskikh nauk SSSR, Moscow. Otdel nauchnoi meditsinskoi informatsii. Informatsionnaia bibliografiia. Vnutrennie bolezni [Academy of Medical Sciences of the U. S. S. R. Department of Scientific Medical Information. Bibliography. Internal Diseases]

Akademiia meditsinskikh nauk SSSR, Moscow. Otdel nauchnoi meditsinskoi informatsii. Nauchnaia informatsiia [Academy of Medical Sciences of the U. S. S. R. Department of Scientific Medical Information. Scientific Information]

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Izvestiia. Seriia meditsinskikh nauk [Academy of Sciences of the Kazakh S. S. R. Bulletin. Series in the Medical Sciences]

CU

Akademiia nauk Uzbekskoi SSR, Tashkent. Institut kraevoi eksperimental'noi meditsiny. Trudy [Academy of Sciences of the Uzbek S. S. R. Institute of Endemic Experimental Medicine. Transactions]

DNLM	ICMILC

Azerbaichan tibb zhurnaly. Azerbaidzhanskii meditsinskii zhurnal [Azerbaijan Medical Journal]

Biulleten' eksperimental'noi biologii i meditsiny [Bulletin of Experimental Biology and Medicine]

CLU	CU	CaQMBM	CtY	CtY-M
DNLM	ICU	MCM	MnU	NNC
NNF	NNNAM	NjP	OCoB	WaU

Dushanbe. Gosudarstvennyi meditsinskii institut. Trudy [State Medical Institute. Transactions]

DNLM	ICMILC	MH

Ivanovo. Ivanovskii gosudarstvennyi meditsinskii institut Sbornik nauchnykh trudov [Ivanovo State Medical Institute. Papers]

DAFM

Kardiologiia [Cardiology]

DNLH	DNLM

Kazanskii meditsinskii zhurnal [Kazan Medical Journal]

DNLM	ICS	MBM	MH-M	NBM
NNNAM	PPC			

726-061 O - 64 - 10

Khabarovsk, Meditsinskii institut. Trudy [Medical Institute. Transactions]
DNLM

Kharkov, Ukrainskii nauchno-issledovatel'skii institut eksperimental'noi endokrinologii. Trudy [Ukrainian Scientific Research Institute of Experimental Endocrinology. Transactions]
CU CU-M DNLM ICJ MnU
NNM

Kiev, Nauchno-issledovatel'skii rentgenoradiologicheskii i onkologicheskii institut. Uchenye zapiski [Scientific Research Roentgenoradiological and Oncological Institute. Studies]
DNLM

Kiev, Okruzhnoi voennyi gospital'. Sbornik nauchnykh trudov [District Military Hospital. Papers]

Kishinev, Gosudarstvennyi meditsinskii institut. Trudy [State Medical Institute. Transactions]
DNLM

Klinicheskaia meditsina [Clinical Medicine]
CSt-L CaOLU CtY-M DNLM ICJ
ICU MBM MH-M MiU MnU
NBM NNC NNF NNNAM PPC
WaU

Kliniska un eksperimentala medicina [Clinical and Experimental Medicine]
DNLM

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Eksperimentalas un kliniskas medicinas instituts. Trudy Instituta eksperimental'noi i klinicheskoi meditsiny Akademii nauk Latvilskoi SSR [Academy of Sciences of the Latvian S. S. R. Institute of Experimental and Clinical Medicine. Transactions]
CU DNLM IU NNC-M NNNAM

Leningrad. Gosudarstvennyi institut usovershenstvovaniia vrachei. (Trudy) [State Institute of Postgraduate Training for Physicians. (Transactions)]
DNLM ICMILC

Leningrad, Leningradskii institut epidemiologii i mikrobiologii im. Pastera. Trudy [Leningrad Pasteur Institute of Epidemiology and Microbiology. Transactions]
CU DNAL DNLM MdBJ-W NNN

Leningrad. Nauchno-issledovatel'skii institut ekspertizy trudosposobnosti i organizatsii truda invalidov. Trudy [Scientific Research Institute of Disability Evaluation and Work Organization for the Handicapped. Transactions]

Likarska'kyi visnyk [Medical Journal]

Meditsinskaia parazitologiia i parazitarnye bolezni [Medical Parasitology and Parasitogenic Diseases]
CU CaOLU DNAL DNLM ICJ
ICU MnU MWhB NNC NNF
NNNAM PPC

Meditsinskaia radiologiia [Medical Radiology]
CLU DNIH DNLM ICJ MBM
NNF NNNAM

Meditsinskii referativnyi zhurnal [Medical Abstracts]
CaBVaU DNIH DNLM MH-M NNC-M
NNF NNNAM

Meditsinskii zhurnal Uzbekistana [Medical Journal of Uzbekistan]
DNLM ICJ MBM PPC

Moscow. Gorodskaia klinicheskaia bol'nitsa, No. 4. Nauchnye trudy [City Clinical Hospital No. 4. Studies]
DNLM

Moscow. Nauchno-issledovatel'skii institut epidemiologii mikrobiologii i gigieny. Trudy [Scientific Research Institute of Epidemiology, Microbiology and Hygiene. Transactions]

Moscow. Oblastnoi nauchno-issledovatel'skii klinicheskii institut. Trudy [Province Scientific Research Clinical Institute. Transactions]
DNLM

Moscow. Oblastnoi nauchno-issledovatel'skii klinicheskii institut. Trudy molodykh nauchnykh sotrudnikov [Province Scientific Research Clinical Institute. Papers by Young Research Workers]

Moscow. Pervyi Moskovskii meditsinskii institut. Trudy [First Moscow Medical Institute. Transactions]
CLU DNLM InU MH MiU
NNC

Moscow. Poliklinika imeni F. E. Dzerzhinskogo. Sbornik nauchno-prakticheskikh rabot [F. E. Dzerzhinskii Polyclinic. Scientific and Practical Papers]
DNLM

Moscow. Vtoroi Moskovskii meditsinskii institut. Voprosy kardiologii [Second Moscow Medical Institute. Problems of Cardiology]
DNLM

Nauchnye trudy uchenykh i prakticheskikh vrachei Uzbekistana [Studies by Medical Scientists and Practitioners of Uzbekistan]
DNLM

Noukogude Eesti tervishoid [Health Service of Soviet Estonia]

Novosti meditsiny [Medical News]
DNLM

Peziria senetetsii [Health Service]

Predel'no-dopustimye kontsentratsii atmosfernykh zagriaznenii [Maximum Permissible Concentrations of Atmospheric Pollution]
DNLM

Problemy endokrinologii i gormonoterapii [Problems of Endocrinology and Hormone Therapy]
CU CaQMMM DNLM ICMILC IU
MH-M MiU NN NNF NNIS

Problemy tuberkuleza [Problems of Tuberculosis]
CSt-L CU CU-M DNLM ICJ
ICU MiU MBM NNF NNIS
NNNAM PPC WaU

Referativnyi zhurnal Meditsinskaia geografiia (Otdel'nyi vypusk 36) [Journal of Abstracts Medical Geography (Separate Issue 36)]

Sofia, TSentur za nauchno-tekhnicheska informatsiia i dokumentatsiia. Referativnyi biulleten' bolgarskoi nauchnoi literatury. Biologiia i meditsina [Center of Scientific and Technical Information and Documentation Bulletin of Abstracts of Bulgarian Scientific Literature. Biology and Medicine]

Sovetskaia meditsina [Soviet Medicine]
CSt-L CaOLU DBC DH DNLM
ICJ ICU MH-M MiU MnU
NNC-M NNF NNIS NNNAM PPC
PU WaU

Sovetskoe zdravookhranenie [Soviet Health Service]
CtY-M DBC DH DNLM IU
NN NNF NNIS WaU

Sovetskoe zdravookhranenie Kirgizii [Soviet Health Service of Kirghizia]
NNF

Sudebno-meditsinskaia ekspertiza [Medicolegal Examination]
DNLM IU

Sveikatos apsauga [Health Protection]
DNLM NNF

Sverdlovsk, Meditsinskii institut. Sbornik rabot [Medical Institute. Papers]

Tiflis, Gosudarstvennyi institut usovershenstvovaniia vrachei. Trudy [State Institute of Postgraduate Training for Physicians. Transactions]
DNLM

Toksikologiia novykh promyshlennykh khimicheskikh veshchestv [Toxicology of New Industrial Chemical Substances]

Trudy po novoi apparature i metodikam [Works on New Apparatus and Methodology]

Urologiia [Urology]
DNLM NBM NN NNC NNF
NNAM

Veseliba [Health]

Vestnik rentgenologii i radiologii [Review of Roentgenology and Radiology]
CSt-L CU-M DNIH DNLM ICJ
ICS MiU MnU NBM NNF
NNIS NNNAM OU PPC

Voenno-meditsinskii zhurnal [Journal of Military Medicine]
DNLM ICJ MH-M NNNAM

Voprosy kraevoi parazitologii Turkmenskoi SSR [Problems in the Endemic Parasitology of the Turkmen S. S. R.]

Voprosy onkologii [Problems of Oncology]
CLU DNIH DNLM ICJ IEN-M
NNF NNNAM OCoB

Voprosy patologii krovi i krovoobrashcheniia [Problems of the Pathology and Circulation of Blood]
CtY-M DNLM

Voprosy rentgenologii i onkologii [Problems of Roentgenology and Oncology]
DNLM

Voprosy revmatizma [Problems of Rheumatism]
DNLM

Voronezh, Meditsinskii institut. Trudy [Medical Institute. Transactions]

Vrachebnoe delo [Medical Practice]
CLM CSt-H CU-M CaOON CaQMBM
DNLM ICJ ICS IU-M MBM
MiU NBM NN NNC NNF
NNIS NNNAM PPC

Zdorov'e [Health]
DNLM ICMILC NNF NNIS

Zdravookhranenie [Health Service]
DNLM

Zdravookhranenie Belorussii [Health Service of White Russia]
DC DNLM NNF

Zdravookhranenie Kazakhstana [Health Service of Kazakhstan]
DNLM NNF

Zdravookhranenie Rossiiskoi Federatsii [Health Service of the Russian Federation]
DBC DNLM NNF

Zdravookhranenie Tadzhikistana [Health Service of Tajikistan]
DBC DNLM NNF

Zdravookhranenie Turkmenistana [Health Service of Turkmenistan]
DNLM NNF

Zhurnal eksperimental'noi i klinicheskoi meditsiny [Journal of Experimental and Clinical Medicine]
DNLM

Zhurnal mikrobiologii, epidemiologii i immunobiologii [Journal of Microbiology, Epidemiology, and Immunobiology]
CLU CSt-L CU CaOLU DNAL
DNLM ICJ InU MiU NbMT
MoKL NIC NNF NNIS NNNAM
NNRI PPAN PPC RPB WaU

b) Gynecology, obstetrics & pediatrics

Akusherstvo i ginekologiia [Obstetrics and Gynecology]
CtY DNLM DS ICJ IU
NBM NNF NNIS NNNAM PPC

Leningrad. Pervyi Leningradskii meditsinskii institut. Kafedra akusherstva i ginekologii. Sbornik nauchnykh trudov [First Leningrad Medical Institute. Department of Obstetrics and Gynecology. Papers]
DNLM

Pediatriia [Pediatrics]
CSt-L CU-M DNLM ICJ IU
MH-M MnU NNC NNIS NNNAM
PPC

Pediatriia, akusherstvo i ginekologiia [Pediatrics, Obstetrics, and Gynecology]
CU CU-M CaOON DNLM IEN
IEN-M KU NNF NNNAM PPC

Voprosy okhrany materinstva i detstva [Problems of Mother and Child Care]
CU-M DNLM ICMILC IU NNF

c) Neurology & psychiatry

Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut psikhiatrii. Trudy [State Scientific Research Institute of Psychiatry. Transactions]
DNLM

Praktika sudebnopsikhiatricheskoi ekspertizy [Practice of Forensic Psychiatry Expertise]

Problemy sudebnoi psikhiatrii [Problems of Forensic Psychiatry]

Zhurnal nevropatologii i psikhiatrii [Journal of Neuropathology and Psychiatry]
CU DNLM ICJ ICU MH-M
MiU MnU NNF NNIS NNNAM
PPC WaU

Zhurnal vysshei nervnoi deiatel'nosti [Journal of the Higher Nervous Function]
CU-M CaQMM CtY DNLM IEN-M
ICJ ICMILC ICU MH-M NN
NNF NNIS NNNAM ViU

d) Ophthalmology & otorhinolaryngology

Kiev, Ukrainskii eksperimental'nyi institut glaznykh boleznei i tkanevoi terapii. Uchenye zapiski [Ukrainian Experimental Institute of Eye Diseases and Tissue Therapy. Studies]
DNLM

Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut glaznykh boleznei. Uchenye zapiski [State Scientific Research Institute of Eye Diseases. Studies]
DNLM

Oftalmologicheskii zhurnal [Ophthalmological Journal]
CaOON DNLM NNF NNNAM PPC

Vestnik oftal'mologii [Review of Ophthalmology]
CLU CSt-L CoDM CtY DNLM
ICJ ICU NNC-M NNF NNNAM
NNPH-O NhD PPC

Vestnik otorinolaringologii [Review of Otorhinolaryngology]
DNLM ICJ NNC NNF PPC

Voprosy neirooftal'mologii [Problems of Neuro-ophthalmology]
DNLM

Zhurnal ushnykh, nosovykh i gorlovykh boleznei [Journal of Ear, Nose, and Throat Diseases]
CU-M DNLM NBM NNF NNNAM

e) Pathology & therapeutics

Akademiia meditsinskikh nauk SSSR, Moscow. Institut normal'noi i patologicheskoi fiziologii. Trudy [Academy of Medical Sciences of the U. S. S. R. Institute of Normal and Pathological Physiology. Transactions]
CLU DNLM

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut kraevoi patologii. Trudy [Academy of Sciences of the Kazakh S. S. R. Institute of Regional Pathology. Transactions]
CLU DNAL DNLM

Arkhiv patologii [Archives of Pathology]
CU-M DNLM ICJ NNC-M NNF
NNIS OCoB OU

Azerbaidzhanskii nauchno-issledovatel'skii institut ... fizicheskikh metodov lecheniia. Sbornik trudov [Azerbaijan Scientific Research Institute of Health Resort and Physical Therapy. *Papers*]
DNLM

Bel'tsy-Lechebnoe delo [Laboratory Work]
CU CaQMMM DNLM NNI

Lvovskoe oblastnoe terapevticheskoe obshchestvo, Nauchnye trudy [Lvov Province Therapeutic Society, *Papers*]

Patologicheskaia fiziologiia i eksperimental'naia terapiia [Pathological Physiology and Experimental Therapy]
CtU DNBH DNLM MnU-M NNC
NNNAM ViU

Problemy gematologii i perelivaniia krovi [Problems of Hematology and Blood Transfusion]
CaQMMM DH DNLM ICJ NNC-M
NNN

Referativnyi zhurnal. Obshchie voprosy patologii, Onkologiia (Otdel'nyi vypusk 53) [Journal of Abstracts. General Problems of Pathology. Oncology (Separate Issue 53)]

Ryl'sk (Ryl'skaia oblast') Nauchno-issledovatel'skii institut pchelovodstva. Informatsionnyi biulleten' o nauchnykh rabotakh [Scientific Research Institute of Apiculture. Information Bulletin on Royal Jelly]
DNAL

Tashkent. Nauchno-issledovatel'skii institut vaktsin i syvorotok. *Trudy [Scientific Research Institute of Vaccines and Sera. Transactions]*
DNLM

Terapevticheskii arkhiv [Therapeutic Archives]
CSt-L DNLM ICJ KU-M NBM
NNI NNIS NNNAM PPC

Uzbek. Nauchno-issledovatel'skii institut vaktsin i syvorotok. *Trudy [Scientific Research Institute of Vaccines and Sera. Transactions]*
DNLM

Voprosy elektropatologii, elektroterapevticheskoi apparatury i elektrobezopasnosti [Problems of Electropathology, Electrotherapeutic Apparatus, and Electrical Safety Measures]
CtU DNLM

Voprosy klinicheskoi patologii [Problems of Clinical Pathology]
DNLM

Voprosy kurortologii, fizioterapii i lechebnoi fizicheskoi kul'tury [Problems of Resort Therapy, Physical Therapy, and Exercise Therapy]
CSt-L CtY-M DNLM ICJ NN
NNC-M NNT NNIS NNNAM

f) Pharmacy & materia medica

Akademiia meditsinskikh nauk SSSR. Moscow, Institut farmakologii i khimioterapii. Uchenye zapiski [Academy of Medical Sciences of the U. S. S. R. Institute of Pharmacology and Chemotherapy. Studies]
DNLM IaAS

Antibiotiki [Antibiotics]
CtU CaBVaU CaOON DH DNAL
DNLM ICJ IaAS InLP NNC-M
NNE OCoB OU ViU

Aptechnoe delo [Pharmacy]
DNLM MiU NNF NNIC

Farmakologiia alkaloidov [Pharmacology of Alkaloids]

Farmatsevticheskii zhurnal [Pharmaceutical Journal]
NNF NNNAM

Meditsinskaia promyshlennost' SSSR [Medical Supplies Industry of the U. S. S. R.]
CtU-M DNLM DNLM NNC NNF

Moscow. Tsentral'nyi aptechnyi nauchno-issledovatel'skii institut. Sbornik nauchnykh trudov [Central Pharmaceutical Scientific Research Institute. Papers]

Novye lekarstvennye sredstva [New Drugs]
DNLM

Referativnyi zhurnal: Farmakologiia. Toksikologiia (Otdel'nyi vypusk 54) [Journal of Abstracts: Pharmacology. Toxicology (Separate Issue 54)]

g) Public health & nursing

Akademiia meditsinskikh nauk SSSR, Moscow. Institut gigieny truda i professional'nykh zabolevanii. Trudy [Academy of Medical Sciences of the U. S. S. R. Institute of Labor Hygiene and Occupational Diseases. *Transactions*]

Borba s silikozom [Control of Silicosis]
CtU CaOTU DNLM ICMILC NIC

Fel'dsher i akusherka [Feldsher and Midwife]
DC DNLM NNF

Gigiena i sanitariia [Hygiene and Sanitation]
CU-M DBS DNLM MnU NNF
NNNAM WaU

Gigiena truda i professional'nye zabolevaniia [Labor Hygiene and Occupational Diseases]
DNLM NNC-M NNT NNNAM

Meditsinskaia sestra [Medical Nurse]
DBC DNLM NNT NNIS

Moscow. Nauchno-issledovatel'skii institut sanitarii i gigiieny. Uchenye zapiski [Scientific Research Institute of Sanitation and Hygiene. Studies]

Voprosy bor'by s silikozom v Sibiri [Problems in the Control of Silicosis in Siberia]
DNLM

h) Surgery & dentistry

Akademiia meditsinskikh nauk SSSR, Moscow. Institut khirurgii. Sbornik trudov [Academy of Medical Sciences of the U. S. S. R. Institute of Surgery. Papers]
DNLM

Akademiia meditsinskikh nauk SSSR, Moscow. Otdel nauchnoi meditsinskoi informatsii. Informatsionnaia bibliografiia: Khirurgiia [Academy of Medical Sciences of the U. S. S. R. Department of Scientific Medical Information. Bibliography. Surgery]

Akademiia nauk Gruzinskoi SSR, Tiflis. Institut eksperimental'noi i klinicheskoi khirurgii i gematologii. Trudy [Academy of Sciences of the Georgian S. S. R. Institute of Experimental and Clinical Surgery and Hematology. Transactions]
DNLM

Eksperimental'naia khirurgiia i anesteziologiia [Experimental Surgery and Anesthesiology]
CtU CaBVaU CaOTU CaQMMM CtY-M
DNIH DNLM ICJ KU-M MoRM
NNC-M NNF WaU

Grudnaia khirurgiia [Thoracic Surgery]
DNLM KU-M NNF

Khirurgiia [Surgery]
CSt-L CaOLU CaOTU DNLM ICJ
ICS ICU MH-M MiU MnU
NNC NNF NNIS NNNAM PPC
WaU

Klinicheskaia khirurgiia [Clinical Surgery]

Lvov. Nauchno-issledovatel'skii institut perelivaniia krovi i neotlozhnoi khirurgii. (Sbornik trudov) [Scientific Research Institute for Blood Transfusion and Emergency Surgery. (Papers)]
DNLM

Ortopediia, travmatologiia i protezirovanie [Orthopedics, Traumatology, and Prosthesis]
CLU DNIH DNLM MBM NBM
NNF NNNAM PPC

Problemy sovremennoi neirokhirurgii [Problems of Contemporary Neurosurgery]
DNLM

Problemy stomatologii [Problems of Stomatology]
DNLM

Stomatologiia [Stomatology]
DNIH DNLM ICU NBM NNF
NNIS NNNAM PU-D WaU

Teoriia i praktika stomatologii [Theory and Practice of Stomatology]

Ukrainskii nauchno-issledovatel'skii institut ortopedii i travmatologii. Trudy [Ukrainian Scientific Research Institute of Orthopedics and Traumatology. Transactions]

Vestnik khirurgii [Review of Surgery]
CaOTU DNLM ICJ ICS MBM
MnU NBM NNIC NNF NNNAM
PPC

Voprosy neirokhirurgii [Problems of Neurosurgery]
DNLM ICU KU-M MiU MnU
NNF NNIS PPC

i) Venereology & dermatology

Vestnik dermatologii i venerologii [Review of Dermatology and Venereology]
DNLM ICU NBM NNF NNNAM
PPCP

15 AGRICULTURE

a) General

Agrobiologiia [Agrobiology]
AzU CLU CU CaOOAg CaOON
CaOONM DNAL InLP MH MoKL
NIC-A NNIS OCoB WaU

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut pochvovedeniia. Trudy [Academy of Sciences of the Kazakh S. S. R. Institute of Soil Science. Transactions]
CU CaOOAg DNAL ICMILC IU
IaAS KU MoKL NIC PPAN
WaU

Akademiia nauk Uzbekskoi SSR, Tashkent. Institut pochvovedeniia. Trudy [Academy of Sciences of the Uzbek S. S. R. Institute of Soil Science. Transactions]

Akademiia nauk Uzbekskoi SSR, Tashkent. Institut sel'skogo khoziaistva. Trudy [Academy of Sciences of the Uzbek S. S. R. Institute of Agriculture. Transactions]
DNAL

Alma-Ata. Universitet. Kafedra pochvovedeniia. Trudy [University. Department of Soil Science. Transactions]

Andizhanskaia oblastnaia opytnaia sel'skokhoziaistvennaia stantsiia. Trudy [Andizhan Province Agricultural Experiment Station. Transactions]
DNAL

Armenian S. S. R. Glavnoe upravlenie sel'skokhoziaistvennykh nauk i podgotovki kadrov. Izvestiia Sel'skokhoziaistvennye nauki [Main Administration of Agricultural Sciences and Staff Training. Bulletin. Agricultural Sciences]
ICMILC

Ashkhabad. Turkmenskii nauchno-issledovatel'skii institut zemledeliia. Trudy [Turkmen Scientific Research Institute of Agriculture. Transactions]
DNAL

Ashkhabad. Turkmenskii sel'skokhoziaistvennyi institut. Trudy [Turkmen Agricultural Institute. Transactions]
DNAL

Bryliovka doslidna stantsiia po zroshenniu. Naukovi pratsi [Brilevka Irrigation Experiment Station. Studies]
DNAL

Ferganskaia zonal'naia opytnaia stantsiia. Trudy [Fergana Regional Experiment Station. Transactions]

Frunze. Kirgizskii nauchno-issledovatel'skii institut zemledeliia. Trudy [Kirgiz Scientific Research Institute of Agriculture. Transactions
DNAL

Gidrotekhnika i melioratsiia [Hydraulic Engineering and Reclamation]
DNAL DS IU MCM MoKL
NN NNC NNIS WaU

Gorki (Mogilevskaya oblast') Belaruskaia akademiia sel'skae haspadarki. Trudy [White Russian Academy of Agriculture. Transactions]
CU CoFS DNAL IU IaAS
MH NBG NIC-A NN NYM
NcD OCI OU TxCM ViBibV
ViU

Irkutsk. Sel'skokhoziaistvennyi institut. Izvestiia [Agricultural Institute. Bulletin]
CU DNAL MH-Z MiU NIC-A
PPAN PPAmP

Kazan. Sel'skokhoziaistvennyi institut. Trudy [Agricultural Institute. Transactions]
CU

Kherson. Sil's'kohospodars'kyi instytut. Naukovi pratsi [Agricultural Institute. Studies]
DNAL NN

Khliborob Ukrainy [The Farmer of the Ukraine]

Khodiagii kishloki Tochikiston [Agriculture of Tajikistan]

Kiev. Ukrains'ka akademiia sil's'kohospodars'kykh nauk. Naukovi pratsi aspirantiv [Ukrainian Academy of Agricultural Sciences. Graduate Student Studies]

Kiev. Ukrains'ka akademiia sil's'kohospodars'kykh nauk. Uchbova chastyna. Naukhnye trudy [Ukrainian Academy of Agricultural Sciences. Teaching Sections. *Studies*]
DNAL

Kirov. Sil's'kohospodars'kyi naukovo-doslidnyi instytut mekhanizatsii i elektryfikatsii sil's'koho hospodarstva. Naukhnye trudy [Ukrainian Scientific Research Institute for the Mechanization and Electrification of Agriculture. *Studies*]
DNAL

Kirov. Sel'skokhoziaistvennyi institut. Trudy [Agricultural Institute. Transactions]
DNAL IU IaAS NIC-A OrCS
TxCM

Kishinev. Sel'skokhoziaistvennyi institut im. M. V. Frunze. Trudy [M. V. Frunze Agricultural Institute. Transactions]
CU DNAL

Kolkhozno-sovkhoznoe proizvodstvo Azerbaidzhana [Collective and State Farm Production of Azerbaijan]

Kolkhozno-sovkhoznoe proizvodstvo Krigizii [Collective and State Farm Production]
ViU

Kolkhozno-sovkhoznoe proizvodstvo Moldavii [Collective and State Farm Production of Moldavia]
DNAL

Kolkhozno-sovkhoznoe proizvodstvo Tadzhikistana [Collective and State Farm Productions of Tajikistan]
DNAL

Kolkhozno-sovkhoznoe proizvodstvo Turkmenistana [Collective and State Farm Production of Turkmenistan]

Kolkhozno-sovkhoznoe proizvodstvo Uzbekistana [Collective and State Farm Production of Uzbekistan]
CU DNAL IU NIC NN

Krasnoyarsk. Sel'skokhoziaistvennyi institut. Trudy [Agricultural Institute. Transactions]

Krestyanka [The Peasant Woman]
CLU CSt-H MH MdBJ NN
OC NNIS

Latvijas Lauksaimniecibas akademija. Raksti. Trudy Latviĭskoĭ sel'skokhozyaĭstvennoĭ akademii [Latvian Agricultural Academy. Transactions]
DNAL OU

Leningrad, Severo-Zapadnyĭ nauchno-issledovatel'skiĭ institut sel'skogo khozyaĭstva. Bulleten' nauchno-tekhnicheskoĭ informatsii [Northwestern Scientific Research Institute of Agriculture. Bulletin of Scientific and Technical Information]

Leningrad, Severo-Zapadnyĭ nauchno-issledovatel'skiĭ institut sel'skogo khozyaĭstva. Nauchnye trudy [Northwestern Scientific Research Institute of Agriculture. Studies]
DNAL

Mekhanizatsiya i elektrifikatsiya sotsialisticheskogo sel'skogo khozyaĭstva [Mechanization and Electrification of Socialist Agriculture]
CSt-H CU DNAL DS IU
IaAS MCM NIC-A NN NNC
NNE

Mekhanizatsiya sel'skogo khozyaĭstva [Mechanization of Agriculture]
DNAL

Mezhdunarodnyĭ sel'skokhozyaĭstvennyĭ zhurnal [International Agricultural Journal]
DNAL InU

Moscow. Institut inzhenerov zemleustroĭstva. Trudy [Institute of Land Utilization Engineers. Transactions]

Moscow. Moskovskaya sel'skokhozyaĭstvennaya akademiya im. Timiryazeva. Doklady [Timiriazev Agricultural Academy of Moscow. Reports]
CLU CU CaOOA CoFS DNAL
ICMILC IU MH NIC OU

Moscow. Moskovskaya sel'skokhozyaĭstvennaya akademiya im. Timiryazeva. Izvestiya [Timiriazev Agricultural Academy of Moscow. Bulletin]
CaOOA DNAL DS ICJ ICMILC
InU MH MdBJ MiU NIC-A
NN NNIS WaU

Moscow. Moskovskaya sel'skokhozyaĭstvennaya akademiya im. Timiryazeva. Sbornik studencheskikh nauchno-issledovatel'skikh rabot [Timiriazev Agricultural Academy of Moscow. Student Research Papers]
DNAL ICMILC

Moscow. Tsentral'naya nauchnaya sel'skokhozyaĭstvennaya biblioteka. Bulleten' [Central Agricultural Library. Bulletin]
DNAL

Moscow. Vsesoyuznyĭ nauchno-issledovatel'skiĭ institut gidrotekhniki i meliorat-sii. Trudy [All-Union Scientific Research Institute of Hydraulic Engineering and Reclamation. Transactions]
CU DNAL NNE

Moscow. Vsesoyuznyĭ nauchno-issledovatel'skiĭ institut udobreniĭ i agrotekhniki. Trudy [All-Union Scientific Research Institute of Fertilizers and Soil Science. Transactions]

Nauchno-issledovatel'skiĭ institut sel'skogo khozyaĭstva Tsentral'no-chernozemnoĭ polosy. Sbornik nauchnykh rabot [Scientific Research Institute of the Agriculture of the Central Black Earth Belt. Papers]
DNAL

Omsk. Sel'skokhozyaĭstvennyĭ institut. Trudy [Agricultural Institute. Transactions]
CU CoFS DNAL ICJ IU
IaAS MBN MH-F NBG NIC-A
NN NNBG NNC NNM NYBT
OCLloyd PPAN WaU

Orenburg. Sel'skokhozyaĭstvennyĭ institut. Trudy [Agricultural Institute. Transactions]

Perm. Sel'skokhozyaĭstvennyĭ institut. Trudy [Agricultural Institute. Transactions]
DNAL NjR

Pochvovedenie [Soil Science]
CLU CU CaOOA CaOTU DNAL
DNLM ICJ IU IaAS KMK
MBdAF MH MH-Z MiEM MiU
MoU MoKL N NIC-A NN
NNC NNIS NcD NcRS NjR
OCoB OrCS TxCM WaU

Pochvy Bashkirii i puti ratsional'nogo ikh ispol'zovaniya [Soils of Bashkiria and Their Efficient Use]
DNAL ICMILC

Pochvy raionov Moldavii i ikh ratsional'noe ispol'zovanie [Soil Zones of Moldavia and their Efficient Use]
DNAL

Poimennye pochvy russkoĭ ravniny [Floodland Soils of the East European Plain]

Pollumajanduse mehhaniseerimine ja elektrifitseerimine [Mechanization and Electrification of Agriculture]

Pushkin. Leningradskiĭ sel'skokhozyaĭstvennyĭ institut. Zapiski [Leningrad Agricultural Institute. Annals]
CSt CU CoFS DNAL DWB
ICJ IU IaAS MoU N
NIC-A PPAN

Referativnyĭ zhurnal; Pochvovedenie (Otdel'nyĭ vypusk 57) [Journal of Abstracts. Soil Science (Separate Issue 57)]

Shornik trudov po agronomicheskoĭ fizike [Collected Papers on Agricultural Physics]
CU DNAL

Sel'skie mekhanizatory [The Rural Mechanic]
DNAL

Sel'skoe khozyaĭstvo Belorussii [Agriculture of White Russia]
DNAL KU

Sel'skoe khozyaĭstvo Kazakhstana [Agriculture of Kazakhstan]
DBS DS

Sel'skoe khozyaĭstvo, sistematicheskiĭ ukazatel' statei v mostrannykh zhurnalakh [Agriculture, Classed Index of Articles in Foreign Periodicals]
DS

Sel'skokhozyaĭstvennaya literatura Chekhoslovakii [Agricultural Literature of Czechoslovakia]

Sel'skokhozyaĭstvennaya literatura SSSR [Agricultural Literature of the U S S R.]
AzU CLU CStbS CtY DNAL
DS InU MH NN NNC

Sel'skokhozyaĭstvennoe proizvodstvo nechernozemnoĭ zony [Agricultural Production of the Non-Chernozem Zone]
DNAL

Sel'skokhozyaĭstvennoe proizvodstvo Povolzh'ya [Agricultural Production of the Volga Valley]
DNAL

Sel'skokhozyaĭstvennoe proizvodstvo Severnogo Kavkaza i TsChO [Agricultural Production of the Northern Caucasus and the Central Chernozem Region]
DNAL

Sel'skokhozyaĭstvennoe proizvodstvo Sibiri i Dal'nego Vostoka [Agricultural Production of Siberia and the Far East]
DNAL

Sotsialistlik pollumajandus [Socialist Agriculture]

Stavropol. Sel'skokhozyaĭstvennyĭ institut. Trudy [Agricultural Institute. Transactions]
DNAL

Sverdlovsk. Sel'skokhozyaĭstvennyĭ institut. Trudy [Agricultural Institute. Transactions]
DNAL

Tekhnika v sel'skom khozyaĭstve [Machinery in Agriculture]
DNAL DS MH MoKL NN
NNC NNIS

Ulyanovsk. Sel'skokhozyaĭstvennyĭ institut. Trudy [Agricultural Institute. Transactions]

Uzbekskaya akademiya sel'skokhozyaĭstvennykh nauk. Nauchno-issledovatel'skiĭ institut mekhanizatsii i elektrifikatsii oroshaemogo zemledeliya. Nauchnye trudy [Uzbek Academy of Agricultural Sciences. Scientific Research Institute of the Mechanization and Electrification of Irrigation Farming. Studies]

Vestnik sel'skokhozyaĭstvennoĭ nauki [Review of Agricultural Science]
AzU CLU CU CaALU CaOON
DBC DNAL IU IaAS InU
KU MH MnU-A MoKL NNC
NNF OU OrCS ViU WaU

Vestnik sel'skokhozyaĭstvennoĭ nauki [Review of Agricultural Science]. Kazakhstan
DNAL

Visnyk sil's'kohospodars'koĭ nauky [Review of Agricultural Science]
CSt-H CU CoFS CtY DNAL
ICU IU IaAS MH-A MoU
NIC-A NN NNC NNNAM TxCM

Voronezh. Sel'skokhozyaĭstvennyĭ institut. Nauchnoe studencheskoe obshchestvo. Sbornik studencheskikh nauchno-issledovatel'skikh rabot [Agricultural Institute. Scientific Student Society. Student Research Papers]
DNAL

Vsesoyuznoe obshchestvo pochvovedov. Kirgizskiĭ filial. Frunze. Izvestiya [All-Union Society of Soil Scientists. Kirghiz Branch, Frunze. Bulletin]
CU NIC

Za sotsialisticheskuyu sel'skokhozyaĭstvennuyu nauku [For Socialist Agricultural Science]

Zemes ukis [Agriculture]

Zemledelie i zhivotnovodstvo Moldavii [Agriculture and Animal Husbandry of Moldavia]

b) Animal industry

Akademiya nauk Kazakhskoĭ SSR, Alma-Ata. Institut ikhtiologii i rybnogo khozyaĭstva. Trudy [Academy of Sciences of the Kazakh S. S. R. Institute of Ichthyology and Fisheries. Transactions]
ICMILC MiU

Astrakhan. Kaspiĭskiĭ nauchno-issledovatel'skiĭ institut morskogo rybnogo khozyaĭstva i okeanografii. Trudy [Caspian Scientific Research Institute of Marine Fisheries and Oceanography. Transactions]
CLSU CU CU-S DNAL DSI-M
IU InU MCM MWhB MiU
NNM OU PPAN WU WaU

Baku. Azerbaidzhanskiĭ nauchno-issledovatel'skiĭ veterinarnyĭ institut. Trudy [Azerbaijan Scientific Research Veterinary Institute. Transactions]
DNAL

Kaunas. Lietuvos veterinarijos akademija. Darbai ir Trudy Litovskoĭ veterinarnoĭ akademii [Lithuanian Veterinary Medicine Academy. Transactions]

Kazan. Veterinarnyĭ institut. Uchenye zapiski [Veterinary Institute. Studies]
CtY DNAL DNLM NIC-A PPC

Kharkov. Ukrainskiĭ institut eksperimental'noĭ veterinarii. Nauchnye trudy [Ukrainian Institute of Experimental Veterinary Medicine. Studies]
DNAL NIC

Kharkov. Ukrains'kyĭ instytut eksperymental'noï veterynarii. Naukovi pratsi [Ukrainian Institute of Experimental Veterinary Medicine. Studies]

Kiev. Naukovo-doslidnyĭ instytut rybnoho hospodarstva Ukrainy. Naukovi pratsi [Scientific Research Institute of the Fisheries of the Ukraine. Studies]

Kiev. Ukrains'ka akademiya sil's'kohospodarnychykh nauk. Naukovo-doslidnyĭ instytut zemlerobstva tvarynnytstva zakhidnykh raioniv URSR. Naukovi pratsi [Ukrainian Academy of Agricultural Sciences. Scientific Research Institute of Agriculture and Animal Husbandry of the Western Regions of the Ukraine S S R. Studies]

Konevodstvo i konnyĭ sport [Horse Breeding and Equine Sports]
DNAL MH MoKL

Krolikovodstvo i zverovodstvo [Rabbit Breeding and Fur Farming]
DNAL ICMILC

Leningrad. Gosudarstvennyĭ nauchno-issledovatel'skiĭ institut ozernogo i rechnogo rybnogo khozyaĭstva. Izvestiya [State Scientific Research Institute of Lake and River Fisheries. Bulletin]
CU DNAL DI DSI-M IU
MH-Z MWH-B MiU NIC-A NN
NNC NNM NcD WaU

Leningrad. Gosudarstvennyĭ nauchno-issledovatel'skiĭ institut ozernogo i rechnogo rybnogo khozyaĭstva. Tatarskoe otdelenie. Trudy [State Scientific Research Institute of Lake and River Fisheries. Tatar Department. Transactions]

Lietuvos gyvulininkystes mokslinio tyrimo institutas. Mokslines-techninės informacijos biuletenis [Lithuanian Scientific Research Institute of Animal Breeding. Bulletin of Scientific and Technical Information]

Lyublino. Vsesoyuznyĭ institut eksperimental'noĭ veterinarii. Trudy [All-Union Institute of Experimental Veterinary Medicine. Transactions]
DNAL DNLM ICJ IU NIC-A

Molochnaya promyshlennost' [Dairy Industry]
CaOON DNAL DS IU MH
MdBJ MoKL NIC-A NNIS

Molochnoe i miasnoe skotovodstvo [Dairy and Beef Cattle Breeding]
DNAL DS ICMILC InU

Moscow. Moskovskaya veterinarnaya akademiya. Trudy [Moscow Veterinary Medicine Academy. Transactions]

Moscow. Tekhnologicheskiĭ institut miasnoĭ i molochnoĭ promyshlennosti. Sbornik studencheskikh rabot [Technological Institute of the Meat and Dairy Industry. Collected Student Papers]
DNAL

Moscow. Vserossiĭskiĭ nauchno-issledovatel'skiĭ institut prudovogo rybnogo khozyaĭstva. Trudy [All-Russian Scientific Research Institute of Pond Fisheries. Transactions]
CU DNAL DSI NIC-A PPAN
WaU

Moscow. Vsesoyuznyĭ nauchno-issledovatel'skiĭ institut konevodstva. Trudy [All-Union Scientific Research Institute of Horse Breeding. Transactions]
DA

Moscow. Vsesoyuznyĭ nauchno-issledovatel'skiĭ institut molochnoĭ promyshlennosti. Trudy [All-Union Scientific Research Institute of the Dairy Industry. Transactions]
DNAL

Moscow. Vsesoyuznyĭ nauchno-issledovatel'skiĭ institut morskogo rybnogo khozyaĭstva i okeanografii. Sbornik izobreteniĭ v rybnoĭ promyshlennosti. [All-Union Scientific Research Institute of Marine Fisheries and Oceanography. Papers on Inventions in the Fishing Industry]

Moscow. Vsesoyuznyĭ nauchno-issledovatel'skiĭ institut morskogo rybnogo khozyaĭstva i okeanografii. Trudy [All-Union Scientific Research Institute of Marine Fisheries and Oceanography. Transactions]
CLSU CLU CSt CU CU-S
CaOTU DI DNAL DN-HO DSI
IU MBN MH-Z MiU NIC
NN NNM NcD PPAN

Moscow. Vsesoyuznyĭ nauchno-issledovatel'skiĭ institut veterinarnoĭ sanitarii. Trudy [All-Union Scientific Research Institute of Veterinary Sanitation. Transactions]
DNAL

Moscow. Vsesoyuznyĭ nauchno-issledovatel'skiĭ institut zhivotnovodstva. Trudy [All-Union Scientific Research Institute of Animal Husbandry. Transactions]
DNAL

[illegible]. Poliarnyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Nauchno-tekhnicheskii biulleten' [Arctic Scientific Research Institute of Marine Fisheries and Oceanography. Scientific and Technical Bulletin]
CU CU-S DI MiU NN
NaU

[illegible] zarubezhnykh zhivotnykh, [illegible] perevodov iz inostrannoi periodicheskoi literatury [What is New in the Feeding of Farm Animals, Translations of Foreign Periodical Literature]
DNAL

Okhota i okhotnich'e khoziaistvo [Hunting and Game Management]

Ovtsevodstvo [Sheep Breeding]
DNAL NNF

Pchelovodstvo [Agriculture]
CU-A CoFS DNAL MH MoKL
NIC NNIS OrCS WU

Pol'tava. Nauchno-issledovatel'skii institut svinovodstva. Nauchnye trudy [Scientific Research Institute of Swine Breeding. Studies]
DNAL IU IaAS NIC-A TxCM

Ptitsevodstvo [Poultry Raising]
DNAL NIC NN NNIS

Referativnyi zhurnal: Zhivotnovodstvo, Veterinariia (Otdel'nyi vypusk 58) [Journal of Abstracts Animal Husbandry, Veterinary Medicine (Separate Issue 58)]

Riga. Latvijas lopkopibas un veterinarijas zinatniski petnieciba instituts. Raksti. Trudy Latviiskogo nauchno-issledovatel'skogo instituta zhivotnovodstva i veterinarii [Latvian Scientific Research Institute of Animal Husbandry and Veterinary Medicine, Transactions]

Rybnoe khoziaistvo [Fisheries]
CU CU-S CtY DBC DNAL
MiH-Z MdBJ MiU MoKL NN
NbC NNIS WaU

Rybovodstvo i rybolovstvo [Pisciculture and Fishing]

Sel'skoe khoziaistvo za rubezhom: Zhivotnovodstvo [Agriculture Abroad: Animal Husbandry]
DNAL

Sotsialisticyhne tvarynnytstvo [Socialist Animal Husbandry]
DNAL

Svinovodstvo [Swine Breeding]
DNAL

Tashkent. Uzbekskii nauchno-issledovatel'skii institut veterinarii. Trudy [Uzbek Scientific Research Institute of Veterinary Medicine, Transactions]
DNAL

Tiflis. Gruzinskii zootekhnicheskо veterinarnyi nauchno-issledovatel'skii institut. Sbornik trudov [Georgian Zootechnical and Veterinary Scientific Research Institute. Papers]
DNAL

Veterinariia [Veterinary Medicine]
CU CaOOAg DNAL DNLM IaAS
InLP MH MoKL NNIS NNNAM
OU PPC

Vladivostok. *Tikhookeanskii nauchno-issledovatel'skii* institut rybnogo khoziaistva in okeanografii, Izvestiia [Pacific Ocean Scientific Research Institute of Fisheries and Oceanography. Bulletin]
CLSU CSfA CU CU-S CaOTU
DI DNAL DSI-M ICF ICJ
IU MBN MH-Z MiU NN
NNM OU PPWI WaU

Vsesoiuznyi nauchno-issledovatel'skii institut ptitsevodstva. Sbornik rabot molodykh uchenykh [All-Union Scientific Research Institute of Poultry Raising. Papers by Young Scientists]

Zhivotnovodstvo [Animal Husbandry]
CStmoR DNAL DS ICMILC MdBJ
MoKL *NNC*

c) Forestry

Akademiia nauk Gruzinskoi SSR, Tiflis. Institut lesa. Trudy [Academy of Sciences of the Georgian S. S. R. Forestry Institute. Transactions]
(CU) (DA)

Akademiia nauk SSSR. Laboratoriia lesovedeniia. Trudy [Academy of Sciences of the U. S. S. R. Laboratory of Forestry. Transactions]
DNAL MH NIC OU

Akademiia nauk SSSR. Sibirskoe otdelenie. Institut lesa i drevesiny. Trudy [Academy of Sciences of the U. S. S. R. Siberian Department. Institute of Forest and Wood. Transactions]

Bryansk. Tekhnologicheskii institut. Trudy [Technological Institute. Transactions]
CU DNAL MiU

Khimki. TSentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i energetiki lesnoi promyshlennosti. Trudy [Central Scientific Research Institute of Mechanization and Use of Power in Lumbering. Transactions]

Kirgizskaia lesnaia opytnaia stantsiia. Trudy [Kirghiz Forest Experiment Station. Transactions]

Latvijas Padomju Socialistiskas Republikas Zinatnu Akademija. Mezsaimniecibas problemu un koksnes kimijas instituts. Trudy Instituta lesokhoziaistvennykh problem i khimii drevesiny [Academy of Sciences of the Latvian S. S. R. Institute of Forestry and Wood Chemistry. Transactions]
CU NN

Leningrad. Vsesoiuznyi *zaochnyi lesotekhnicheskii* institut. Trudy [All-Union Correspondence Institute of Forestry and Lumbering. Transactions]
DNAL

Lesnaia promyshlennost' [Forest Industries]
CU DNAL DS MH NN
NNC NNIS WaU

Lesnoe khoziaistvo [Forestry]
CU DNAL DS InU MiU
MoKL NN NNC NNIS WaU

Master lesa [Master Lumberman]
DNAL

Metsanduslikud uurimused [Research on Forestry]

Musu girios [Our Forests]

Referativnyi zhurnal: Lesovedenie i lesovodstvo (Otdel'nyi vypusk 56) [Journal of Abstracts Forestry and Forest Management (Separate Issue 56)]

Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, lesnoi zhurnal [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Forestry Journal]
CU DNAL ICMILC MiU MnU-A

Sbornik rabot po lesnomu khoziaistvu (Leningrad) [Collected Papers on Forestry (Leningrad)]

Sochi. Nauchno-issledovatel'skaia opytnaia stantsiia subtropicheskogo lesnogo i lesoparkovogo khoziaistva. Trudy [Research Experimental Station for Subtropical Forest and Park Management. Transactions]

Sverdlovsk. Ural'skii lesotekhnicheskii institut. Trudy [Ural Institute of Lumbering Technology. Transactions]

Tashkent. Sredneaziatskii nauchno-issledovatel'skii institut lesnogo khoziaistva. Trudy [Central Asiatic Scientific Research Institute of Forestry. Transactions]
DNAL

Voronezh. Lesotekhnicheskii institut. Nauchnye zapiski [Forestry and Lumbering Institute. Studies]

d) Plant culture

Alma-Ata. Nauchno-issledovatel'skii institut zashchity rastenii. Trudy [Scientific Research Institute of Plant Protection. Transactions]

Azerbaidzhanskii nauchno-issledovatel'skii institut zemledeliia. Trudy [Azerbaijan Scientific Research Institute of Agriculture. Transactions]

Daildarznieciba [Ornamental-Plant Growing]
DNAL

Dikorastushchie i introdutsiruemye poleznye rastenitia v Bashkirii [Wild and Useful Plants Introduced in Bashkiria]

Erivan. Nauchno-issledovatel'skii institut vinogradarstva, vinodeliia i plodovodstva. Trudy [Scientific Research Institute of Viticulture, Wine Making and Fruit Culture. Transactions]

Filloksera i mery bor'by s nei [Phylloxera and Measures to Control It]

Iolotanskaia selektsionnaia stantsiia. Trudy [Iolotan Plant Breeding Station. Transactions]

Kartofel' i ovoshchi [Potatoes and Vegetables]
CU DA WaU

Kazakhskaia akademiia sel'skokhoziaistvennykh nauk, Institut zemledeliia. Trudy Ovoshcho-kartofel'noi opytnoi stantsii [Kazakh Academy of Agricultural Sciences. Institute of Agriculture. Transactions of the Vegetable and Potato Experiment Station]
DNAL

Khlopkovodstvo [Cotton Growing]
CU DNAL DS ICMILC MdBJ
NN NNIS WaU

Khlopkovodstvo na poltvnykh zemliakh; ukazatel' literatury [Cotton Growing on Irrigated Lands; Index to the Literature]

Kiev. Ukrains'kyi naukovo-doslidnyi instytut sadivnytstva. Nauchnye trudy [Ukrainian Scientific Research Institute of Horticulture. Studies]

Kiev. Ukrains'kyi naukovo-doslidnyi instytut zemlerobstva. Naukovi pratsi [Ukrainian Scientific Research Institute of Agriculture. Studies]
CoFS DNAL NIC-A

Kukuruza [Corn]
DNAL InU WaU

Len i konoplia [Flax and Hemp]
DNAL WaU

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zerna i produktov ego pererabotki. Soobshcheniia i referaty [All-Union Scientific Research Institute of Grain Products. Reports and Abstracts]
DNAL

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zerna i produktov ego pererabotki. Trudy [All-Union Scientific Research Institute of Grain and Grain Products. Transactions]
CSt-H CU DNAL IU NIC-A
NjH WaU

Odessa. Vsesoiuznyi selektsionno-genetricheskii institut. Nauchnye trudy [All-Union Institute of Plant Breeding and Genetics. Studies]

Povyshenie plodorodiia pochv nechernozemnoi polosy [Improving Soil Fertility in the Non-Chernozem Belt]

Referativnyi zhurnal: Rastenievodstvo (Otdel'nyi vypusk 55) [Journal of Abstracts Plant Culture (Separate Issue 55)]

Sadovodstvo [Horticulture]
CLU CU DNAL MH MoKL
NNIS

Sadovodstvo, vinogradarstvo i vinodelie Moldavii [Fruit Culture, Viticulture, and Wine Making in Moldavia]
DNAL

Sakharnaia svekla [Sugar Beets]
CU DNAL WaU

Saratov. Gosudarstvennyi zootekhnicheskо-veterinarnyi institut. Trudy [State Zootechnical and Veterinary Institute. Transactions]

Selektsiia i semenovodstvo [Plant Breeding and Seed Production]
CLU CU CaOOA DNAL MH
MoKL NIC NN NNIS

Sel'skoe khoziaistvo za rubezhom: Rastenievodstvo [Agriculture Abroad: Plant Culture]
DNAL

Subtropicheskie kul'tury [Subtropical Crops]
CU DNAL

Tabak [Tobacco]
CU DNAL ICJ ICMILC NN
NNIS NcRS

Tashkent. Vsesoiuznyi nauchno-issledovatel'skii institut khlopkovodstva. Sbornik nauchnykh rabot aspirantov [All-Union Scientific Research Institute of Cotton Growing. Graduate Student Papers]

Tashkent. Vsesoiuznyi nauchno-issledovatel'skii institut khlopkovodstva. Trudy [All-Union Scientific Research Institute of Cotton Growing. Transactions]
DNAL

Trudy po prikladnoi botanike, genetike i selektsii [Transactions on Applied Botany, Genetics, and Plant Breeding]
AzU CU CU-A CoFS DNAL
DSI-M GU ICJ ICU IU
IaAS InLP KMK *MH* MH-A
MH-BL MH-G MWHR MiEM MiU
MnU MoKL Mo5H Mo6l MtHC
NBG NCaC NIC-A NN NNBG
NYBT NbU NjP OCHLloyd OkU
PPAN PU PU-HZ RPB TxCM
ViU WU WaU

TSvetovodstvo [Floriculture]
CU DNAL

Ukrains'ka doslidna stantsiia khmelivnytva. Naukovi pratsi [Ukrainian Hop Growing Experiment Station. Studies]
DNAL

Ukrains'kyi naukovo-doslidnyi instytut zakhystu roslyn. Naukovi pratsi [Ukrainian Scientific Research Institute for Plant Protection. Studies]
CaOOAg DNAL InAS NIC NIC-A
NNC PPAN

Vinodelie i vinogradarstvo SSSR [Viticulture and Wine Making in the U. S. S. R.]
DNAL MoKL *NN NNIS*

Volgograd. Opytno-selektsionnaia stantsiia. Trudy [Experiment Plant Breeding Station. Transactions]
DNAL

Zashchita rastenii ot vreditelei i boleznei [Protecting Plants Against Diseases and Pests]
CU DNAL NIC NIC-A

Zemledelie [Agriculture]
CStmoR CU DNAL ICU InU
InU MH MdBJ MoKL *NN*
NNC WaU

16 TECHNOLOGY

a) General

Akademiia nauk Armianskoi SSR, Erivan. *Izvestiia*, Serila tekhnicheskikh nauk [Academy of Sciences of the Armenian S. S. R. Bulletin. Series in the Technological Sciences]
CStmoR CaOTU MCM MH NNC
RPB ViU

Akademiia nauk SSSR, Sibirskoe otdelenie. Izvestiia, Serila tekhnicheskikh nauk [Academy of Sciences of the U. S. S. R. *Siberian Department*, Bulletin. Series in the Technological Sciences]

Akademiia nauk Uzbekskoi SSR, Tashkent. Izvestiia, Seriia tekhnicheskikh nauk [Academy of Sciences of the Uzbek S. S. R. Bulletin, Series in the Technical Sciences]
CU IEN kU NNC ViU

Bezopasnost' truda v promyshlennosti [Industrial Safety]

Biulleten' izobretenii [Bulletin on Inventions]
CaOON DP ICJ kU MoKL
NN PPF ViU

Biulleten' izobretenii i tovarnykh znakov [Bulletin on Inventions and Trademarks]
CaOON DP ICJ kU MoKL
NN PPF

GOST (Gosudarstvennyi standart) [State Standard]

Geodeziia i kartografiia [Geodesy and Cartography]
CLU CaOOGB CaOON CaOTU IU
KU NIC NN NNC NhD
WaU

Gorkiy. Politekhnicheskii institut. Trudy [Polytechnic Institute. Transactions]

Informatsionnyi ukazatel' standartov [Information Index of Standards]
DNAL

Inzhenerno-fizicheskii zhurnal [Journal of Engineering Physics]
CLSU CSt CU CaOON CoBBS
DBC DBS IU kU LNHT
MCM MiEM MiU MoKL NNIC
NN NNC NNE NcRS NjP
OCoB ViU WaU

IUnyi tekhnik [Young Technician]
CStmoR

Izmeritel'naia tekhnika [Measurement Techniques]
CaOON DBS ICJ MoKL NN
PPF

Izobretatel' i ratsionalizator [Inventor and Efficiency Promoter]
CU KU ViU

Kaunas. Politechnikos institutas. Darbai. Trudy Kaunasskogo politekhnicheskogo instituta [Polytechnic Institute. Transactions]

Leningrad. Leningradskii inzhenerno-ekonomicheskii institut. Studencheskoe nauchnoe obshchestvo. Trudy [Leningrad Engineering and Economics Institute. Student Scientific Society. Transactions]

Leningrad. Leningradskii inzhenerno-ekonomicheskii institut. Trudy [Leningrad Engineering and Economics Institute. Transactions]
CLU CU GAT ICU IU
InU MH MiU

Leningrad. Politekhnicheskii institut. Trudy [Polytechnic Institute. Transactions]
CLU CU NIC NN NNC

Lvov. Politekhnichnyi instytut. Nauchnye zapiski [Polytechnic Institute. Studies]

Minsk. Belorusski politekhnicheskii institut. Sbornik nauchnykh trudov [White Russian Polytechnic Institute. Papers]
NCorniC

Mokslas ir technika [Science and Technology]

Moscow. Fiziko-tekhnicheskii institut. Trudy [Institute of Technical Physics. Transactions]
CU CaOON RPB

Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut nauchnoi i tekhnicheskoi informatsii. Biulleten' tekhniko-ekonomicheskoi informatsii [State Scientific Research Institute of Technical and Economic Information. Bulletin of Technical and Economic Information]
DBC NIC

...tel'skii in-
Opyt raboty
State Sci-
Technical
...ation

...
Moscow. Inzhenerno-fizicheskii institut. Nekotorye voprosy inzhenernoi fiziki [Institute of Engineering Physics. Some Problems of Engineering Physics]
CU CaOON

Moscow. Moskovskoe vysshee tekhnicheskoe uchilishche. (Trudy) [Moscow Technical College. (Transactions)]
CU MoKL NIC NN NjP
OU RPB WaU

Moscow. Vsesoiuznyi institut nauchnoi i tekhnicheskoi informatsii. Nauchno-tekhnicheskaia informatsiia [All-Union Institute of Scientific and Technical Information. Scientific and Technical Information]

Moscow. Vystavka dostizhenii narodnogo khoziastva SSSR. Informatsionnyi biulleten' [Exhibition of Achievements of the National Economy of the U. S. S. R. Information Bulletin]

Munich. Ukrains'kyi tekhnichno-hospodars'kyi instytut. Naukovi zapysky [Ukrainian Technical Institute. Studies]

Nauka i tekhnika [Science and Technology]

Novocherkassk. Politekhnicheskii institut. Trudy [Polytechnic Institute. Transactions]
DI-GS NN

Novye knigi za rubezhom. Seriia B. Tekhnika [New Foreign Books. Series B. Technology]

Obzor pol'skoi tekhnicheskoi literatury [Polish Technical Abstracts]

Odessa. Tekhnologichnyi instytut. Trudy [Technological Institute. Transactions]

PMTF; zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki [PMTF, Journal of Applied Mechanics and Technical Physics]
CLU CSt CaOON ICMILC InLP
NIC NjP OCoB PPF TONS

Professional'no-tekhnicheskoe obrazovanie [Vocational Technical Education]
DC MCM MH MdBJ NBC
NN NNC

Promyshlennost' Armenii [Industry of Armenia]

Referativnyi zhurnal: Metrologiia i izmeritel'naia tekhnika (Otdel'nyi vypusk 32) [Journal of Abstracts Mensuration and Measurement Techniques (Separate Issue 32)]
CoBBS

Referativnyi zhurnal: Nauchnaia i tekhnicheskaia informatsiia (Otdel'nyi vypusk 59) [Journal of Abstracts Scientific and Technical Information (Separate Issue 59)]

Russia (1917- R. S. F. S. R.) Leningradskii ekonomicheskii administrativnyi raion. Laboratoriia promyshlenno-ekonomicheskikh issledovanii. Trudy [Leningrad Economic Administrative Region, Laboratory for Industrial Economic Research. Transactions]

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. Trudy Institutov Komiteta [Committee of Standards, Measures, and Measuring Instruments. Transactions of the Institutes of the Committee]

SSSR. Gosudarstvennyi standart [U. S. S. R. State Standard]

Standartizatsiia [Standardization]
CoBBS DBS GAT

Sverdlovsk. Ural'skii politekhnicheskii institut. Trudy [Ural Polytechnic Institute. Transactions]
CU MH OU RPB WaU

Tallinn. Polutehniline institut. Toimetised, Seriia A. Trudy Tallinskogo politekhnicheskogo instituta. [Polytechnic Institute. Studies]

Tashkent. Politekhnicheskii institut. Trudy [Polytechnic Institute. Transactions]

Tekhnika ja tootmine [Technology and Production]

Tekhnika - molodezhi [Technology for Youth]
CStmoR CtY InLP MH NN
NNC NNIS OCoB

Tiflis. Gruzinskii politekhnicheskii institut. Trudy [Georgian Polytechnic Institute. Transactions]
CSfA CU NN NjP

Tomsk. Politekhnicheskii institut imeni Kirova. Izvestiia [Kirov Polytechnic Institute. Bulletin]
CU CaOTU CtY DI-GS GU
MCM NN NNC NNE NjP
OU PU

Tomsk. Sibirskii tekhnologicheskii institut. Trudy [Siberian Technological Institute. Transactions]

Visti Ukrains'kykh inzheneriv [Ukrainian Engineering News]

Vsesoiuznyi sovet nauchno-tekhnicheskikh obshchestv. Nauchno-tekhnicheskie obshchestva SSSR [All-Union Council of Scientific Technological Societies. Scientific Technological Societies of the U. S. S. R.]
CU CaOON IU MH OCoB
WaU

Za industrial'nuiu Riazan' [For Industrial Ryazan]

Za tekhnicheskii progress [For Technological Progress]

Zhurnal tekhnicheskoi fiziki [Journal of Technical Physics]
CU DBS IArg
IU InU LU
MnU MoKL NN
... NNIS NRU NcD
OCoB OU PPF PSt RPB

b) Aeronautics

Aviatsiia i kosmonavtika [Aviation and Astronautics]
CStmoR DS MCM NN NNIS

Grazhdanskaia aviatsiia [Civil Aviation]
CStmoR DS NN NNIS

Kazan. Aviatsionnyi institut. Trudy [Aeronautical Institute. Transactions]
MH RPB

Krylia rodiny [Wings of the Motherland]
CSt-H CStmoR NN NNIS OCoB

Moscow. Aviatsionnyi institut. Trudy [Aeronautical Institute. Transactions]
CSt MCM MH MiU NIC
NN NcD NjP PPF PSt
RPB

Moscow. Aviatsionnyi tekhnologicheskii institut. Trudy [Technological Institute of Aeronautics. Transactions]
NIC PPF

Referativnyi zhurnal. Aviatsionnye i raketnye dvigateli (Otdel'nyi vypusk 31) [Journal of Abstracts Aircraft and Rocket Engines (Separate Issue 31)]

Referativnyi zhurnal: Raketostroenie (Otdel'nyi vypusk 41) [Journal of Abstracts Rocket Building (Separate Issue 41)]

Referativnyi zhurnal: Vozdushnyi transport [Journal of Abstracts. Air Transportation]
CLU

Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; aviatsionnaia tekhnika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Aviation Engineering]
CaOON InLP MCM MiU MoKL
NIC NN NjP OCoB ViU
WaU

Voprosy raketnoi tekhniki; sbornik perevodov i obzorov inostrannoi periodicheskoi literatury [Problems of Rocket Engineering, Translations and Surveys of Foreign Periodical Literature]

c) Chemical technology

Akademiia nauk SSSR. Institut biokhimii. Biokhimicheskoe proizvodstva [Academy of Sciences of the U. S. S. R. Institute of Biochemistry. Biochemistry of Tea Production]
CLU CU DNAL MH NN

Akademiia nauk SSSR. Institut biokhimii. Biokhimiia vinodeliia [Academy of Science of the U. S. S. R. Institute of Biochemistry. Biochemistry of Wine Making]

Energotekhnologicheskoe ispol'zovanie topliva [Use of Fuel in Power Technology]
CLU ICMILC

Gazovaia promyshlennost' [Gas Industry]
CU DBC DC GAT ICMILC
NN ViU

Gidroliznaia i lesokhimicheskaia promyshlennost' [Hydrolysis and Wood Chemistry Industry]
CU DNAL GAT ICMILC MdBJ
MoKL NN PPF

Kauchuk i rezina [Crude and Vulcanized Rubber]
CU MCM NN PPF

Kazan. Khimiko-tekhnologicheskii institut. Trudy [Institute of Chemical Technology. Transactions]
DNAL NN

Khimicheskaia promyshlennost' [Chemical Industries]
CU CaOON CaOTU CtY DBS
DNAL DS IU InLP MCM
MH MdBJ MiU MoKL NN
NNE NcU WaU

Khimicheskie volokna [Synthetic Fibers]
CaOON OCoB PPF ViU

Khimicheskoe mashinostroenie [Chemical Machinery Building]
CaOON OCoB

Khimicheskaia promyshlennost' [Chemical Industries]

Khimiia tekhnologiia polimerov; sbornik perevodov iz inostrannoi periodicheskoi literatury [The Chemistry and Technology of Polymers; Translations From Foreign Periodical Literature]

Khimiia i tekhnologiia topliv i masel [Chemistry and Technology of Fuel and Oil]
ICJ ICMILC IEN InLP InU
KU MCM MoKL NIC NN
OCoB PPF PSt ViU

Khimki. TSentral'nyi nauchno-issledovatel'skii i proektnyi institut lesokhimicheskoi promyshlennosti. Sbornik trudov [Central Scientific Research and Design Institute of the Wood Chemistry Industry. Papers]
DNAL

Kholodil'naia tekhnika [Refrigeration Engineering]
CLU CSt-H CU DNAL ICJ
IEN MCM MH MdBJ MoKL
NIC-A NN PPF WaU

Kiev. Tekhnologicheskii institut pishchevoi promyshlennosti. Trudy [Technological Institute of the Food Industry. Transactions]

Kiev. TSentral'nyi nauchno-issledovatel'skii institut sakharnoi promyshlennosti. Trudy [Central Scientific Research Institute of the Sugar Industry. Transactions]

Kiev. Ukrainskii nauchno-issledovatel'skii institut spirtovoi i likero-vodochnoi promyshlennosti. Trudy [Ukrainian Scientific Research Institute of the Distilling and Liqueur and Vodka Industry. Transactions]

Koks i khimiia [Coke and Chemistry]
GAT ICJ IU MH NN

Kompleksne vykorystannia palyvno-energetychnykh resursiv Ukrainy [Over-All Utilization of the Fuel Resources of the Ukraine as a Source of Power]

Konservnaia i ovoshchesushil'naia promyshlennost' [The Canning and Dehydrated Vegetable Industry]
CSt-H CU DNAL DBC MoFC
NN

Krasnodar. Institut pishchevoi promyshlennosti. Trudy [Institute of the Food Industry. Transactions]

Kuchino. TSentral'naia nauchno-issledovatel'skaia laboratoriia vinodeliia i severnogo vinogradarstva. Metody issledovaniia v vinodelii [Central Scientific Research Laboratory of Wine Making and Northern Viticulture. Research Methods in Wine Making]

Lakokrasochnye materialy i ikh primenenie [Lacquer and Paint Materials and Their Application]
MoKL

Leningrad. Gosudarstvennyi i nauchno-issledovatel'skii institut gidroliznoi i sul'fitnospirtovoi promyshlennosti. Sbornik trudov [State Scientific Research Institute of the Hydrolytic, Sulfite, and Alcohol Industry. Papers]

Leningrad. Tekhnologicheskii institut tsellyulozno-bumazhnoi promyshlennosti. Trudy [Technological Institute for the Woodpulp and Paper Industry. Transactions]

Maslichno-zhirovaia promyshlennost' [Oils and Fats Industry]
CSt CU CaOON DNAL DS
NN NNIS

Moscow. Khimiko-tekhnologicheskii institut. Trudy [Institute of Chemical Technology. Transactions]
CU MCM

Moscow. Nauchno-issledovatel'skii kinofotoinstitut. Trudy [Scientific Research Institute of Motion Pictures and Photography. Transactions]
NRL

Moscow. Nauchnyi institut po udobreniiam i insektofungitsidam. Sbornik materialov po obmenu opytom [Scientific Institute for Fertilizers and Insectofungicides. Materials of Exchange of Experience]

Moscow. Tekhnologicheskii institut pishchevoi promyshlennosti. Trudy [Technological Institute of the Food Industry. Transactions]
DNAL NIC

Moscow. TSentral'nyi nauchno-issledovatel'skii institut krakhmalo-patochnoi promyshlennosti. Trudy [Central Scientific Research Institute of the Starch and Syrup Industry. Transactions]
DNAL

Moscow. TSentral'nyi nauchno-issledovatel'skii institut pivovarennoi, bezalkogol'noi i vinnoi promyshlennosti. Trudy [Central Scientific Research Institute for the Brewing, Soft Drinks, and Wine Industry. Transactions]
DNAL NNC

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut elektroenergetiki. Informatsionnye materialy [All-Union Scientific Research Institute of Electric Power Engineering. Information Materials]

Nauchno-issledovatel'skii institut sinteticheskikh zhirozamenitelei i motiushchikh sredstv. Trudy [Scientific Research Institute of Synthetic Fat Substitutes and Detergents. Transactions]

Neftekhimiia [Petrochemistry]
CLU CU CaOON ICMILC MoKL
PPF VID WaU

Novosti tekhnicheskoi literatury. Khimiia i khimicheskaia promyshlennost' [News of Technological Literature. Chemistry and the Chemical Industry]

Plasticheskie massy [Plastics]
CU CaOON NIC

Referativnyi zhurnal; Khimicheskoe i kholodil'noe mashinostroenie (Otdel'nyi vypusk 47) [Journal of Abstracts: Chemical and Refrigeration Machinery Manufacture (Separate Issue 47)]

Riga. Politekhnicheskaia institute. Zinatniskie raksti. Uchenye zapiski Rizhskogo politekhnicheskogo instituta [Polytechnic Institute. Studies]

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; pishchevaia tekhnologiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning: Food Technology]
CaOON ICMILC MCM MoKL NNF
PPF WaU

Sakharnaia promyshlennost' [Sugar Industry]
CSt-H CU CU-A CaOOAg CaOON
DNAL DS ICJ MH MdBJ
MoKL NN NNIS

Sovetskoe foto [The Soviet Photograph]
NRE MH NN NNC

Spirtovaia promyshlennost' [Distilling Industry]
DBC ICMILC NN

Steklo i keramika [Glass and Ceramics]
CLU CU CaOON DS IEN
MH MoKL NN NNC NNIS
OCoB PPF PPI WaU

Vsesoiuznyi nauchno-issledovatel'skii institut prirodnykh gazov. Trudy [All-Union Scientific Research Institute of Natural Gas. Transactions]
CU

Zhurnal nauchnoi i prikladnoi fotografii i kinematografii [Journal of Scientific and Applied Photography and Cinematography]
CU CaOON ICJ MH NN

Zhurnal prikladnoi khimii [Journal of Applied Chemistry]
CLSU CLU CSt CU CaOON
CtY DBS DI-GS DNAL IAyg
ICJ ICU IU IaAS InU
MH MnU MoKL NN NNC
NNL NNIS NcD NcU OCoB
OU PPT PSt RPB TU
WaU

d) Civil & construction engineering

Akademiia kommunal'nogo khoziaistva. Informatsionnoe pis'mo [Academy of Communal Economy. Information Letter]

Akademiia kommunal'nogo khoziaistva. Sbornik nauchnykh rabot [Academy of Communal Economy. Papers]

Akademiia nauk Tadzhikskoi SSR, Dushanbe. Institut seismostoikogo stroitel'stva i seismologii. Trudy [Academy of Sciences of the Tajik S.S.R. Institute of Earthquakeproof Construction and Seismology. Transactions]
CLU MC NNC

Akademiia nauk URSR, Kiev. Instytut hidrologii i hidrotekhniky. Visti [Academy of Sciences of the Ukrainian S.S.R. Institute of Hydrology and Hydraulic Engineering. Bulletin]

Akademiia stroitel'stva i arkhitektury SSSR. Izvestiia [Academy of Construction and Architecture of the U.S.S.R. Bulletin]
CU CaOON

Akademiia stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. Trudy [Academy of Construction and Architecture of the U.S.S.R. Institute of Concrete and Reinforced Concrete. Transactions]
CU CaOON

Akademiia stroitel'stva i arkhitektury SSSR. Institut osnovanii i podzemnykh sooruzhenii. (Trudy) [Academy of Construction and Architecture of the U.S.S.R. Institute of Foundations and Underground Construction. (Transactions)]

Akademiia stroitel'stva i arkhitektury SSSR. Institut po stroitel'stvu, Sverdlovsk. Sbornik trudov [Academy of Construction and Architecture of the U.S.S.R. Institute for Construction. Papers]
NIC

Akademiia stroitel'stva i arkhitektury SSSR. Institut po stroitel'stvu, Tashkent. Sbornik nauchnykh trudov [Academy of Construction and Architecture of the U.S.S.R. Institute for Construction. Papers]

Akademiia stroitel'stva i arkhitektury SSSR. Institut sanitarnoi tekhniki. Sbornik trudov [Academy of Construction and Architecture of the U.S.S.R. Institute of Sanitary Engineering. Collected Papers]
CU DNAL

Akademiia stroitel'stva i arkhitektury SSSR. Institut stroitel'nykh konstruktsii. Nauchnye soobshcheniia [Academy of Construction and Architecture of the U.S.S.R. Institute of Construction Design. Scientific Reports]
CU NN

Akademiia stroitel'stva i arkhitektury SSSR. Institut stroitel'nykh konstruktsii. Trudy [Academy of Construction and Architecture of the U.S.S.R. Institute of Construction Design. Transactions]
CU

Akademiia stroitel'stva i arkhitektury SSSR. Institut teorii i istorii arkhitektury i stroitel'noi tekhniki. Materialy po istorii stroitel'noi tekhniki [Academy of Construction and Architecture of the U.S.S.R. Institute of the Theory and History of Architecture and Construction Engineering. Materials on the History of Construction Engineering]

Akademiia stroitel'stva i arkhitektury SSSR. TSentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture. Opyt zarubezhnogo stroitel'stva [Academy of Construction and Architecture of the U.S.S.R. Central Institute of Scientific Information on Construction and Architecture. Construction Practice Abroad]

Avtomobil'nye dorogi [Highways]
IU MdBJ WaU

Babushkin. Vsesoiuznyi nauchno-issledovatel'skii institut transportnogo stroitel'stva. Trudy [All-Union Scientific Research Institute of Transportation Construction. Transactions]
NIC NN NNC WaU

Beton i zhelezobeton [Concrete and Reinforced Concrete]
DBS ICJ MCM MH MoKL
NIC NN NNC NNE NNIS

Biulleten' stroitel'noi tekhniki [Bulletin of Construction Engineering]
DS MoKL NN NNE NNIS
ViU

Dnepropetrovsk. Inzhenerno-stroitel'nyi institut. Nauchnoe soobshchenie [Civil Engineering Institute. Scientific Report]

Gidrotekhnicheskoe stroitel'stvo [Hydrotechnical Construction]
CU CU-A DNAL DS GAT
ICJ MH MdBJ MnU MoKL
NN NNC NNE NNIS OUCA
WaU

Gidrotekhnika, nauchnye trudy [Hydraulic Engineering Studies]

Gomel'. Belorusskii institut inzhenerov zheleznodorozhnogo transporta. Trudy [White Russian Institute of Railroad Transportation Engineers. Transactions]

Gorkiy. Inzhenerno-stroitel'nyi institut. Trudy [Civil Engineering Institute. Transactions]

Gorodskoe khoziaistvo Moskvy [Municipal Economy of Moscow]
DBC DS IU MdBJ NNC
NNIS

Issledovaniia po mikroklimatu naselennykh mest i zdanii i po stroitel'noi fizike [Research on the Microclimate of Populated Places and Buildings and on the Physics of Structures]
NIC

Issledovaniia po teorii sooruzhenii [Research in the Theory of Structures]
IEN IU NN WaU

Leningrad. Gosudarstvennyi vsesoiuznyi institut po proektirovaniiu zavodov i nauchno-issledovatel'skim institutam tsementnoi promyshlennosti. Trudy [State All-Union Institute for Planning and Scientific Research in the Cement Industry. Transactions]
IU MCM NNF WaU

Leningrad. Institut inzhenerov zheleznodorozhnogo transporta. Sbornik trudov [Institute of Railroad Transportation Engineers. Papers]

Leningrad. Inzhenerno-stroitel'nyi institut. Sbornik nauchnykh trudov [Civil Engineering Institute. Collected Papers]
MoKL

Leningrad. Nauchno-issledovatel'skii institut mostov. Sbornik trudov [Scientific Research Institute of Bridges. Papers]

Mekhanizatsiia stroitel'stva [Mechanization of Construction]
CLU DS MH MdBJ MoKL
NN NNC NNIS PPF

Montazhnye i spetsializirovannye raboty v stroitel'stve [Assembling and Specialized Operations in Construction]
CLU CaOON MH NN

Moscow. Glavnoe upravlenie po zhilishchnomu i grazhdanskomu stroitel'stvu. Nauchno-issledovatel'skii institut. Nauchnoe soobshchenie [Main Administration for Housing and Public Construction. Scientific Research Institute. Scientific Report]

Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut zhelezobetonnykh izdelii, stroitel'nykh i neruduykh materialov. Sbornik trudov [State Scientific Research Institute of Reinforced Concrete Products, Building Materials, and Rock Products. Collected Papers]

Moscow. Gosudarstvennyi vsesoiuznyi nauchno-issledovatel'skii institut tsementnoi promyshlennosti. Trudy [State All-Union Scientific Research Institute of the Cement Industry. Transactions]

Moscow. Inzhenerno-stroitel'nyi institut. Sbornik trudov [Civil Engineering Institute. Collected Papers]

Moscow. Nauchno-issledovatel'skii institut asbesta, sliudy, asbestotsementnykh izdelii i proektirovaniia stroitel'stva predpriiatii sliudianoi promyshlennosti. Trudy [Scientific Research Institute of Asbestos, Mica, Asbestos-cement Products, and for the Design of Plants for the Mica Industry. Transactions]

Moscow. Respublikanskii nauchno-issledovatel'skii institut mestnykh stroitel'nykh materialov. "Rosniims." Sbornik trudov [Republic Scientific Research Institute of Local Building Materials. Collected Papers]

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut vodosnabzheniia, kanalizatsii, gidrotekhnicheskikh sooruzhenii i inzhenernoi gidrogeologii. Ochistka stochnykh vod [All-Union Scientific Research Institute of Water Supply, Sewerage, Hydraulic Structures, and Engineering Hydrogeology. Purification of Waste Waters]

Na stroikakh Rossii [At Russian Construction Projects]

Novorossiisk. Gosudarstvennyi proektnyi institut tsementnoi promyshlennosti. Sbornik trudov [State Design Institute of the Cement Industry. Papers]

Novosibirsk. Institut inzhenerov zheleznodorozhnogo transporta. Trudy [Institute of Railroad Transportation Engineers. Transactions]
WaU

Osnovaniia, fundamenty i mekhanika gruntov [Foundations and Soil Mechanics]
CU DBS GAT IEN IU
InLP MoKL

Pozharnoe delo [Fire Fighting]
CaOON ICMILC

Promyshlennaia aerodinamika [Industrial Aerodynamics]
CU CaOON NN OU

Promyshlennoe stroitel'stvo [Industrial Construction]
CStmoR CU CtY DBS DC
DI-GS DS GAT IU MdBJ
NIC-A NN NNC NNE OCoB

Promyshlennoe stroitel'stvo i inzhenernye sooruzheniia [Industrial Construction and Engineering Structures]

Put' i putevoe khoziaistvo [Railroad Tracks and Roadway Maintenance]
InU ViU

Raschet prostrantsvennykh konstruktsii [Calculation of Spatial Structures]
CU MoKL

Referativnyi zhurnal Avtomobil'nye dorogi [Journal of Abstracts Highways]

Referativnyi zhurnal: Stroitel'stvo i arkhitektura [Journal of Abstracts Construction and Architecture]
CaOON DC

Sel'skoe stroitel'stvo [Rural Construction]
DNAL DS MdBJ WaU

Silʹs'ke budivnytstvo [Rural Construction]

Stroitel' [The Builder]
ICMILC NNIS OCoB

Stroitel'naia mekhanika i raschet sooruzhenii [Structural Mechanics and Construction Calculations]
CU CaOON NIC

Stroitel'nye materialy [Building Materials]
ICMILC MCM MH NNIS

Stroitel'stvo truboprovodov [Pipeline Construction]
CU ICMILC NIC OCoB

Tashkent. Institut inzhenerov zheleznodorozhnogo transporta. Trudy [Institute of Railroad Transportation Engineers. Transactions]

Transportnoe stroitel'stvo [Construction for the Transportation Industry]

TSement [Cement]
CtY GAT MH MdBJ MoKL NN

Vladivostok. Dal'nevostochnyi nauchno-issledovatel'skii institut po stroitel'stvu. Sbornik nauchnykh rabot [Far Eastern Scientific Research Institute for Construction, Papers]

Vodosnabzhenie i sanitarnaia tekhnika [Water Supply and Sanitary Engineering]
MCM NNE NNIS

Voprosy gidrotekhniki [Problems of Hydraulic Engineering]
MCM NNC

Vsesoiuznyi nauchno-issledovatel'skii institut nerudnykh stroitel'nykh materialov i gidromekhanizatsii. Sbornik trudov [All-Union Scientific Research Institute of Rock Building Materials and Hydraulic Mechanization, Reports]

Zhilishchno-kommunal'noe khoziaistvo [Housing and Communal Services]

Zhilishchnoe stroitel'stvo [Housing Construction]
CU DS

e) Electrical engineering

Akademiia nauk Gruzinskoi SSR, Tiflis. Institut elektroniki, avtomatiki i telemekhaniki. Trudy [Academy of Sciences of the Georgian S. S. R. Institute of Electronics, and Automatic and Remote Control. Transactions]
MH NjP

Akademiia nauk SSSR. Izvestiia. Otdelenie tekhnicheskikh nauk. Energetika i avtomatika see Akademiia nauk SSSR. Izvestiia. Otdelenie tekhnicheskikh nauk. Energetika i transport

Akademiia nauk SSSR. Izvestiia. Tekhnicheskaia kibernetika [Academy of Sciences of the U. S. S. R. Bulletin. Engineering Cybernetics]
CLU CU DBS MiU MnU
NIC NjP OCoB TONS TxHR
WU

Akademiia nauk SSSR. Institut elektromekhaniki. Sbornik rabot po voprosam elektromekhaniki [Academy of Sciences of the U. S. S. R. Institute of Electrical Machinery and Apparatus. Papers on the Problems of Electrical Mach...

Avtomatika i telemekhanika, sbornik statei [Automatic and Remote Control, Collected Papers]
CU MH

Avtomatika, telemekhanika i sviaz' [Automatic Control, Remote Control and Instrument Manufacture]
CU DBS ICJ InU TxCM

Avtomatyka [Automatic Control]
CU CaOON CaOTU ICJ IEN
InLP MiU MoKL NjMuB OCoB
ViU

Elektricheskie stantsii [Electric Power Stations]
CLU CtY Ds GAT ICJ
IU MH MdBJ MoKL NIC
NN NNC NNE OUCA WaU

Elektrichestvo [Electricity]
CLU CU CtY DBS DNAL
DP DS IU GAT IU
MCM MH MdBJ MoKL NN
NNC NNE NNIS OCoB PPF
PU RPB WaU

Elektroenergetika [Electric Power]
CLU ICMILC NNC

Elektrosviaz' [Telecommunication]
CStmoR DBS GAT ICJ MBdAF
MCM MoKL NN NNC NNE
PPF PU

Energeticheskoe stroitel'stvo [Power Construction]
CU

Energeticheskoe stroitel'stvo za rubezhom; prilozhenie k sborniku "Energeticheskoe stroitel'stvo" [Power Construction in Foreign Countries, supplement to the periodical "Power Construction"]

Energetik [Electric Power Technician]
CU DS MdBJ MoKL NN
PPF

Energetika i elektrotekhnicheskaia promyshlennost' [Power Engineering and the Electric Equipment Industry]

Energokhoziaistvo za rubezhom; prilozhenie k zhurnalu "Elektricheskie stantsii" [Electric Power Production and Utilization in Foreign Countries; supplement to the periodical "Electric Power Stations"]

Ivanovo. Energeticheskii institut. Sbornik nauchnykh trudov [Institute of Power Engineering, Collected Papers]

Kharkov. Institut mekhanizatsii sel'skogo khoziaistva. Nauchnye zapiski [Institute for the Mechanization of Agriculture, Studies] Fakul'tet elektrifikatsii sel'skogo khoziaistva. (Doklady) Faculty of the Electrification of Agriculture. Reports

Kibernetika, avtomatika i telemekhanika; annotirovannyi ukazatel' literatury [Cybernetics, Automatic Control, and Remote Control, Annotated Bibliography]
CLU CStmoR CU NNC RPB

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Elektronikas un skaitlosanas technikas instituts. Trudy Instituta elektroniki i vychislitel'noi tekhniki Akademii nauk Latvitskoi SSR [Academy of Sciences of the Latvian S. S. R. Institute of Electronics and Computer Technology, Transactions]

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Energetikas Instituts. Trudy Instituta energetiki Akademii nauk Latvitskoi SSR [Academy of Sciences of the Latvian S. S. R. Institute of Power Engineering. Transactions]

Leningrad. Elektrotekhnicheskii institut. Izvestiia [Institute of Electrical Engineering. Bulletin]

Leningrad. Elektrotekhnicheskii institut sviazi. Trudy nauchno-tekhnicheskoi konferentsii LEIS [Institute of Electrical Communication Engineering. Transactions of the Scientific Technological Conference LEIS]

Lietuvos TSR aukstuju mokyklu mokslo darbai; Elektrotechnika. Uchenye zapiski vysshikh uchebnykh zavedenii Litovskoi SSR: Elektrotekhnika [Studies by the Institute of Higher Learning of the Lithuanian S. S. R.: Electrical Engineering]

Moscow. Vsesoiuznyi elektrotekhnicheskii institut. Trudy [All-Union Institute of Electrical Engineering. Transactions]
CLU CSfA CU DBS IU
MCM NN NNE PPAN

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut elektrifikatsii sel'skogo khoziaistva. Nauchnye trudy [All-Union Scientific Research Institute of Rural Electrification. Scientific Transactions]
CU CaOOAg DNAL

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut elektroenergetiki. Trudy [All-Union Scientific Research Institute of Electric Power Engineering. Transactions]

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zvukozapisi. Trudy [All-Union Scientific Research Institute of Sound Recording. Transactions]

Nauchno-tekhnicheskoe obshchestvo radiotekhniki i elektrosviazi. Sbornik trudov [Scientific Technological Society of Radio Engineering and Telecommunication. Papers]

Novocherkassk. Nauchno-issledovatel'skii institut elektrovozostroeniia. Sbornik nauchnykh trudov [Scientific Research Institute of Electric Locomotive Design and Construction. Papers]

Obshchaia energetika [General Power Engineering]
CU ICMILC NIC OCoB PPI

Problemy gidroenergetiki i vodnogo khoziaistva [Problems in Hydroelectric Power and Water Resources]

Problemy peredachi informatsii [Problems of Transmission of Information]
CLU CStmoR CU ICMILC MCM
MoKL NIC OCoB RPB ViU

Promyshlennaia energetika [Industrial Power]
CLU CU CaOON DS IU
IaU MH MoKL NN PPI
OCoB

Radio [Radio]
CLU CStmoR CU CaOON DAL
DN-RL DS ICJ MH MdBJ
MoKL NN NNC NNIS

Radiotekhnika [Radio Engineering]
CLU CStmoR CU CaOON CoBBS
DAL DBS GAT ICJ IU
InLP MBdAF MH MoKL
MoKL NN NNC NNI PPI
PPIC RPB WaU

Referativnyi zhurnal Avtomatika, telemekhanika i vychislitel'naia tekhnika [Journal of Abstracts Automatic Control, Remote Control, and Computer Technology]
CLU CSt CU CoBBS MoSU
NjP ViU

Referativnyi zhurnal: Elektronika i ee primenenie [Journal of Abstracts Electronics and its Applications]
CU CoBBS MCM ViU

Referativnyi zhurnal. Elektrotekhnika i energetika [Journal of Abstracts. Electrical Engineering and Electric Power]
CLU DNAL IEN NN NjP

Referativnyi zhurnal. Iadernye reaktory (Otdel'nyi vypusk 50) [Journal of Abstracts: Nuclear Reactors (Separate Issue 50)]

Referativnyi zhurnal Radiotekhnika i elektrosviaz' [Journal of Abstracts: Radio Engineering and Telecommunication]
CU CoBBS InLP MCM

Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, elektromekhanika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Electromechanics and Apparatus]
CU-A CaOON ICMILC MCM NIC
OCoB PPF

Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Power Engineering]
CaOON MCM NIC OCoB ViU

Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, radiotekhnika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Engineering]
CU CaOON CoBBS DC DLC-P7
ICMILC InNd MiU MoKL NIC
NN NNC NjMuB OCoB RPB
ViU

Sbornik materialov po elektrovakuumnoi tekhnike [Materials on Electron-Tube and Vacuum Technology]

Svetotekhnika [Illuminating Engineering]
CaOON ICMILC OCoB

V pomoshch' radiolubiteliu [A Guide for Radio Amateurs]

Vestnik elektropromyshlennosti [Review of the Electric Industry]
CLU CtY IU MH MoSU
NN NNE PPIC

Vestnik sviazi [Communications Review]
CLU CStmoR CaOON DBC Ds
IEN IaU MCM MH MdBJ
NIC NN WaU

Voprosy peredachi informatsii [Problems in the Transmission of Information]
MH OCoB

Zarubezhnaia radioelektronika [Radio Electronics Abroad]
NjMuB

f) Industries & trades

Akademiia nauk URSR, Kiev. Instytut elektrozvariuvannia. Avtomaticheskaia svarka [Academy of Sciences of the Ukrainian S. S. R. Institute of Electric Welding. Automatic Welding]
ICJ MCM MiU MnU MoKL
NNC PPF RPB

Archangel. TSentral'nyi nauchno-issledovatel'skii institut mekhanicheskoi obrabotki drevesiny. Nauchnye trudy [Central Scientific Research Institute of Mechanical Woodworking. Studies]

Derevoobrabatyvayushchaya promyshlennost' [Paper and Woodworking Industry]

CLU	CSt-U	DNAL	IMC	DS
GAT	ICJ	MH	MdBJ	MnU
NcRS	NN	NNC	NNU	NNIS
WAP				

Derevoobrabatyvayushchaya promyshlennost' [Woodworking Industry]

CU	CaOOU	DNAL	MdBJ	NN

Pishchevaya promyshlennost' [Food Industry]

Kholodil'naya i konditerskaya promyshlennost' [Refrigerating and Confectionary Industry]

DNAL	IUMIC

Kozhevenno-obuvnaya promyshlennost' [Leather and Footwear Industry]

IMC

Legkaya promyshlennost' [Light Industry]

Tsentral'nyi, Gosudarstvennyi nauchno-issledovatel'skii kinotekhnicheskii institut. Trudy [State Institute of Scientific Research in Cinematics. Transactions]

CSt	CU	CaOOS	CLY	DNLM
MH	NNC	WU		

Lesotekhnicheskaya akademiya, Trudy [Academy of Wood Technology. Transactions]

CU	CaOOS	DNAL	ICJ	IU
MH	MH-A	MH-G	MnU	MoSB
NcU	NIC	NIC-A	NN	PPAN
WU				

Lesotekhnicheskii, Tsentral'nyi nauchno-issledovatel'skii institut lesnogo khozyaistva i mekhanizatsii, Trudy [Central Scientific Research Institute of Forestry and Mechanization]

DNAL

Lesnaya promyshlennost' i lesozagotovki [Forest and Paper Industries]

DNAL

Lesnoe delo, bumaga i derevo [Forest, Wood, and Paper]

Legkaya promyshlennost' i khudozhestvennye promysly [Light Industry and Art Trades]

CSt-U

Myasnaya Industriya SSSR [Meat Industry of the U.S.S.R.]

CU	DNAL	DC	DS	MH
MdBJ	MoKL	NN	NNC	NNP
NcRS				

Modeli sezona [Season's Fashions]

Moldavskii nauchno-issledovatel'skii institut plodovo-ovoshchevoi promyshlennosti. Trudy [Moldavian Scientific Research Institute of the Fruit Industry. Transactions]

Moscow, Nauchno-issledovatel'skii institut mekhovoi promyshlennosti. Nauchno-issledovatel'skie trudy [Scientific Research Institute of the Fur Industry. Scientific Research Papers]

Moscow, Tsentral'nyi nauchno-issledovatel'skii institut khlopchatobumazhnoi promyshlennosti. Nauchno-issledovatel'skie trudy [Central Scientific Research Institute of the Cotton Industry. Scientific Research Papers]

Moscow, Tsentral'nyi nauchno-issledovatel'skii institut pishchevoi promyshlennosti. Trudy [Central Scientific Research Institute of the Poultry Processing Industry. Transactions]

Moscow, Tsentral'nyi nauchno-issledovatel'skii institut gornoi promyshlennosti lubyanykh volokon. Nauchno-issledovatel'skie trudy [Central Scientific Research Institute of the Bast Fiber Industry. Scientific Research Papers]

Moscow, Tsentral'nyi nauchno-issledovatel'skii institut shirokopotrebitel'skoi promyshlennosti. Nauchno-issledovatel'skie trudy [Central Scientific Research Institute of the Wood Industry. Scientific Research Papers]

Moscow, Vsesoyuznyi nauchno-issledovatel'skii institut konditerskoi promyshlennosti. Trudy [All-Union Scientific Research Institute of the Confectionery Industry. Transactions]

Moscow, Vsesoyuznyi nauchno-issledovatel'skii institut myasnoi promyshlennosti. Trudy [All-Union Scientific Research Institute of the Meat Industry. Transactions]

CU	DNAL	NIC-A		

Moscow, Vsesoyuznyi nauchno-issledovatel'skii institut plenochnykh materialov i iskusstvennoi kozhi. Nauchno-issledovatel'skie trudy [All-Union Scientific Research Institute of Film Materials and Artificial Leather. Scientific Research Papers]

DNAL

Moscow, Vsesoyuznyi nauchno-issledovatel'skii institut trikotazhnoi promyshlennosti. Nauchno-issledovatel'skie trudy [All-Union Scientific Research Institute of the Knit Goods Industry. Scientific Research Papers]

Mukomol'no-elevatornaia promyshlennost' [Flour Milling and Grain Storage]

DNAL	MdBJ	MoKL	NIC-A	NN

Nauchno-tekhnicheskoe obshchestvo bumazhnoi i derevoobrabatyvayushchei promyshlennosti. (Trudy) [Scientific Technological Society of the Paper and Woodworking Industry. (Transactions)]

Novosti tekhnicheskoi literatury. Seriia: "Pishchevaia promyshlennost'" [*News of Technological Literature*, Series: "Food Industry"]

Obshchestvennoe pitanie [Public Food Service]

CU	DNLM	ICJ	MdBJ	NN

Odezhda i byt [Clothing and Daily Living]

Proizvodstvo mebeli; bibliograficheskii ukazatel' otechestvennoi i inostrannoi literatury [Manufacture of Furniture, Bibliography of Russian and Foreign Literature]

Referativnyi zhurnal Legkaia promyshlennost' [*Journal of Abstracts*: Light Industry]

CLU

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia, Izvestiia vysshikh uchebnykh zavedenii, tekhnologiia legkoi promyshlennosti [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of higher Learning, Technology of the Light Industry]

CaOON	ICMILC	*OCoB*	

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia, Izvestiia vysshikh uchebnykh zavedenii, tekhnologiia tekstil'noi promyshlennosti [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of higher Learning, Technology of the Textile Industry]

CaOON	DNAL	ICMILC	MCM	*VtU*

Shveinaia promyshlennost' [Clothing Industry]

NN

Sluzhba byta [Service Industries]

Svarochnoe proizvodstvo [Welding Practice]

ICJ	*ICMILC*	MoKL	NNC

Tashkent, Tekstil'nyi institut, Sbornik nauchno-issledovatel'skikh rabot [Textile Institute, Collection of *Scientific* Research Papers]

Tekstil'naia promyshlennost' [Textile Industry]

CLU	CaOON	DBC	DNAL	DS
GAT	IU	MCM	MH	MdBJ
MoKL	NN	NNC	NNCC	NNIS
NcRS				

Toldnaineto toostua [Food Industry]

Tomsk, Elektromekhanicheskii institut inzhenerov zheleznodorozhnogo transporta. Trudy [Electromechanical Institute of Railroad Transportation Engineers. Transactions]

Vostochno-Sibirskii nauchno-issledovatel'skii i proektnyi institut lesnoi i derevoobrabatyvaiushchei promyshlennosti. Trudy [East Siberian Scientific Research and Design Institute for the Forest and Woodworking Industry. Transactions]

Zhurnal mod [Fashion Magazine]

NNIS

g) Mechanical engineering

Akademiia nauk Gruzinskoi SSR, Tiflis. Institut energetiki. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Power Engineering. Transactions]

NNC

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Izvestiia Seriia energeticheskaia [Academy of Sciences of the Kazakh S.S.R. Bulletin. Power Series]

MCM	MoKL

Akademiia nauk SSSR Izvestiia. Energetika i transport [Academy of Sciences of the U.S.S.R. Bulletin. Power Engineering and Transportation]

CLU	CSt	CU	CaOON	CtHT
DBS	ICJ	ICMILC	IEN	IU
InAS	InLP	LU	MiU	MoKL
NIC	NNC	NNE	NNU	NjP
OCoB	*PU*	*RPB*	*RU*	TONS
TxHR	ViU			

Akademiia nauk SSSR, Izvestiia. Mekhanika i mashinostroenie. Biulleten [Academy of Sciences of the U.S.S.R. *Bulletin. Mechanics and Machine*]

CSt	CU	CU-A	CaOON	CtHT
DBS	*GAT*	*ICMILC*	*IEN*	*IU*
InAS	LU	MH-GM	MiU	MoKL
NIC	NNC	NNE	NNU	NbU
NcD	NjP	PBL	PU	RPB
RU	TxHR	ViU	WU	WaU

Akademiia nauk SSSR, Institut dvigatelei. Trudy [Academy of Sciences of the U.S.S.R. Institute of Engines. Transactions]

CLU	CU	ICMILC	MoKL	NIC
OCoB				

Akademiia nauk SSSR, Institut mashinovedeniia. Trudy. Seminar po tochnosti v mashinostroenii i priborostroenii [Academy of Sciences of the U.S.S.R. Institute of Mechanical Engineering. Transactions. Seminar on Precision in Machinery and Instrument Manufacture.]

CLU	CU	IEN	LNHT	NIC
NNC	RPB	WaU		

Akademiia nauk SSSR, Sibirskoe otdelenie, Transportno-energeticheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Siberian Department, Transportation and Power Institute. Transactions]

CU	*ICMILC*	*MH*	*MiU*	*WU*

Akademiia nauk SSSR, Zapadno-Sibirskii filial, Novosibirsk. Transportno-energeticheskii institut. Trudy [Academy of Sciences of the U.S.S.R. West-Siberian Branch. Transportation and Power Institute. Transactions]

CU	ICMILC	MH	MiU	WU

Akademiia nauk URSR, Kiev. Institut teploenergetiki. Zbirnik prats' [Academy of Sciences of the Ukrainian S.S.R. Institute of Heat Engineering Papers]

Akademiia nauk BSSR, Minsk. Institut mashinovedeniia i avtomatiki. Sbornik trudov [Academy of Sciences of the White Russian S.S.R. Institute of Mechanical Engineering and Automation. Papers]

Avtomaticheskii i distantsionnyi kontrol' i izmeritel'naia tekhnika [Automatic Control and Measurement Techniques]

CU	[illegible]	[illegible]

Avtomatizatsiia otopitel'nykh kotel'nykh [Automation of Heating Boiler Rooms]

Avtomatizatsiia protsessov tekhnicheskikh proizvodstv i mashinostroenii i priborostroenii [Automation of Production Processes in the Machinery and Instrument Industries]

Avtomobil'naia promyshlennost' [Automobile Industry]

CLU	CstmoR	CU	CaOOU	DNAL
DC	DNAL	DS	IU	MH
MdBJ	MoKL	NN	NNC	NNIS

Avtomobil'nyi transport [Automotive Transportation]

CstmoR	CU	DBC	DS	GAT
MH	MdBJ	MoKL	NN	NNC
NNIS				

Avtomobil'nyi transport za rubezhom [Automotive Transportation Abroad]

Dnepropetrovsk, Institut inzhenerov zheleznodorozhnogo transporta. Trudy [Institute of Railroad Transportation Engineers. Transactions]

NN

Dnepropetrovsk, Institut inzhenerov zheleznodorozhnogo transporta. Trudy [Institute of Railroad Transportation Engineers. Transactions]

Elektricheskaia i teplovozvaia tiaga [Electric and Diesel Locomotive Traction]

CaOOU	*InU*

Energomashinostroenie [Power Machinery Construction]

CU	MoKL	NIC	NN	NNE
NNIS	ViU			

Inzhenernyi zhurnal [Engineering Journal]

CLU	CSt	ICMILC	InAS	InLP
KU	LNHT	MCM	MdBJ	NNC
NNE	*RPB*			

Kharkov, Institut inzhenerov zheleznychnogo transporta. Nauchnye trudy [Institute of Engineers of Railroad Transportation. *Studies*]

WaU

Kharkov, Institut inzhenerov zheleznychnogo transporta. Sbornik nauchnykh statei [Institute of Engineers of Railroad Transportation, Papers]

Kharkov, Institut inzhenerov zheleznychnogo transporta. Trudy [Institute of Railroad Transportation Engineers. *Transactions*]

WaU

Konstruirovanie krupnykh mashin [Design of Heavy Machinery]

Krasnoyarsk, Sibirskii tekhnologicheskii institut. Trudy [Siberian Technological Institute. *Transactions*]

Kuznechno-shtampovochnoe proizvodstvo [*Forging and* and Stamping]

FU	OCoB

Leningrad, Institut kinomekhanikov. Trudy [Institute of Motion-Picture Engineers. Transactions]

Leningrad, Institut tochnoi mekhaniki i optiki. Sbornik statei [Institute of Precision Mechanics and Optics. Collected Papers]

CU

Leningrad, Tsentral'nyi nauchno-issledovatel'skii kotloturbinnyi institut. Informatsionnoe pis'mo [Central Scientific Research Institute of Boilers and Turbines Information Letter]

Leningradskii metallicheskii zavod. Otdel tekhnicheskoi informatsii. (Trudy) [Leningrad Metalworking Plant, Department of Technical Information. (Transactions)]

Mashinostroenie [Machinery Manufacture]

Mashinostroitel' [Machine Builder]

Mashinostroitel' Belorussii, sbornik nauchno-tekhnicheskoi informatsii [The White Russian Machine Builder; a Collection of Technical Information]

Mekhanika; periodicheskii sbornik perevodov inostrannykh statei [Mechanics, Translations of Foreign Articles]

RPB

Mekhanizatsiia i avtomatizatsiia proizvodstva [Mechanization and Automation of Production]

DBC	DS	IU	MH	MdBJ
MoKL	NN	NNIS		

Mekhanizatsiia i avtomatizatsiia v gornoi promyshlennosti [Mechanization and Automation in Mining]

Metody ispytaniia avtomobilia i ego mekhanizmov [Methods for Testing Automobiles and their Mechanisms]

Metody ispytanii detalei i materialov mashin i priborov [Methods for Testing Parts and Materials of Machines and Instruments]

Moscow, Eksperimental'nyi nauchno-issledovatel'skii institut kuznechno-pressovogo mashinostroeniia [Nauchnye trudy] [Experimental Scientific Research Institute

for Press Forgining in Machinery Manufacture, Studies]

Moscow. Energeticheskii institut. Trudy [Moscow Power Engineering Institute. Transactions]
MH

Moscow. Gosudarstvennyi nauchno-issledovatel'skii avtomobil'nyi i avtomotornyi institut. Trudy [State Scientific Research Institute of Automotive Engineering. Transactions]
CSfA CU IU NIC-A NN
NNE WaU

Moscow. Gosudarstvennyi proektnyi institut "Proektgidromekhanizatsiia." Biulleten' tekhnicheskoi informatsii [State Institute for the Design of Hydraulic Machinery. Bulletin of Technical Information]

Moscow. Institut radioelektroniki i gornoi elektromekhaniki. Nauchnye trudy [Institute of Radio Electronics and Mining Electrical Engineering. Studies]

Moscow. Moskovskii institut inzhenerov zheleznodorozhnogo transporta. Trudy [Moscow Institute of Engineers of Railroad Transportation. Transactions]
MCM MH MdBJ MiU MC
NN NNC NNE NjP TxHR
WaU

Moscow. Tekhnologicheskii institut legkoi promyshlennosti. Nauchnye trudy [Technological Institute of Light Industry. Studies]

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. Serila III. Novye mashiny, oborudovanie i sredstva avtomatizatsii [Central Institute for Scientific and Technical Information on Automation and Machinery Manufacture. Series III New Machinery, Equipment, and the Means of Automation]

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. Serila VI: Novye materialy [Central Institute for Scientific and Technical Information on Automation and Machinery Manufacture. Series VI New Materials]

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. Serila VII: Ekonomika i spetsializatsiia mashinostroeniia, Organizatsiia proizvodstva [Central Institute for Scientific and Technical Information on Automation and Machinery Manufacture. Series VII. Economics of and Specialization in Machinery Manufacture. Organization of Production]

Moscow. TSentral'nyi nauchno-issledovatel'skii institut tekhnologii i mashinostroeniia. (Trudy) [Central Scientific Research Institute of Technology and Machine Building. (Transactions)]

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut po stroitel'stvu magistral'nykh truboprovodov. Trudy [All-Union Scientific Research Institute for the Construction of Pipelines. Transactions]

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut sel'skokhoziaistvennogo mashinostroeniia. Trudy [All-Union Scientific Research Institute of Agricultural Machinery Manufacture. Transactions]

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy [All-Union Scientific Research Institute of Railroad Transportation. Transactions]
DS MiU NN NNC

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Vestnik [All-Union Scientific Research Institute of Railroad Transportation. Journal]
CU CaOON GAT MH NNC

Novo-Kramatorskii mashinostroitel'nyi zavod, Kramatorsk. Sbornik [Novo-Kramatorsk Machinery Manufacturing Plant. Papers]

Perovo. Gosudarstvennyi soiuznyi nauchno-issledovatel'skii tekhnologicheskii institut remonta i ekspluatatsii mashinnotraktornogo parka. Sbornik rabot [All-Union State Technological Research Institute for the Repair and Utilization of Tractors and Agricultural Machinery. Papers]

Priborostroenie [Instrument Manufacture]
CU DBS ICMILC MoKL NN
NNC PPF ViU

Prikladnaia geofizika [Applied Geophysics]
CLSU CU DI-GS IEN MCM
MiU NN OU RPB TxU
WaU

Problemy prochnosti v mashinostroenii [Problems of Strength of Materials in Machinery Manufacture]
CU ICMILC MoKL NIC RPB

Promyshlennaia ventiliatsiia [Industrial Ventilation]

Prykladna mekhanika [Applied Mechanics]
AzU CU CU-A CtY IEN
IU InIA LNHT MH MdBJ
MiU MnU MoKL NIC NNC
OCoB OrCS OrU RPB

Raschety na prochnost'; teoreticheskie i eksperimental'nye issledovaniia prochnosti mashinostroitel'nykh konstruktsii. Sbornik statei [Strength Analysis, Theoretical and Experimental Investigations of Strength of Elements in Machine Design. Collected Papers]

Referativnyi zhurnal. Avtomobil'nyi i gorodskoi transport [Journal of Abstracts Automotive and City Transportation]
CLU

Referativnyi zhurnal. Dvigateli vnutrennego sgoraniia (Otdel'nyi vypusk 39) [Journal of Abstracts Internal-Combustion Engines (Separate Issue 39)]

Referativnyi zhurnal. Fotokinotekhnika (Otdel'nyi vypusk 46) [Journal of Abstracts Photographic and Motion-Picture Equipment (Separate Issue 46)]

Referativnyi zhurnal. Gornoe, stroitel'noe i dorozhnoe mashinostroenie (Otdel'nyi vypusk 43) [Journal of Abstracts Manufacture of Mining Machinery, Construction Equipment, and Road Machinery (Separate Issue 43)]

Referativnyi zhurnal. Kommunal'noe, bytovoe i torgovoe oborudovanie (Otdel'nyi vypusk 33) [Journal of Abstracts Communal, Household, and Commercial Equipment (Separate Issue 33)]

Referativnyi zhurnal. Kotlostroenie (Otdel'nyi vypusk 42) [Journal of Abstracts Boiler Manufacture (Separate Issue 42)]

Referativnyi zhurnal. Mashinostroitel'nye materialy, konstruktsii i raschet detalei mashin (Otdel'nyi vypusk 48) [Journal of Abstracts Materials for Machinery Manufacture and the Design of Machine Parts (Separate Issue 48)]
NIC

Referativnyi zhurnal. Otdel'nyi vypusk 44: Traktory i sel'skokhoziaistvennye mashiny [Journal of Abstracts, Separate Issue 44 Tractors and Agricultural Machinery]

Referativnyi zhurnal. Otdel'nyi vypusk 45: Truboprovodnyi transport [Journal of Abstracts, Separate Issue 45 Pipeline Transportation]

Referativnyi zhurnal. Pishchevoe mashinostroenie (Otdel'nyi vypusk 38) [Journal of Abstracts Food Machinery Manufacture (Separate Issue 38)]

Referativnyi zhurnal. Promyshlennyi transport [Journal of Abstracts Industrial Transportation]
CLU

Referativnyi zhurnal. Tekhnologiia i oborudovanie bumagodelatel'nogo i poligraficheskogo proizvodstva (Otdel'nyi vypusk 37) [Journal of Abstracts: Technology and Equipment of the Papermaking and Printing Industry (Separate Issue 37)]

Referativnyi zhurnal. Tekhnologiia mashinostroeniia [Journal of Abstracts, Technology of Machinery Manufacture]
CLU CU MoKL ViU

Referativnyi zhurnal. Teploenergetika [Journal of Abstracts: Heat Engineering]

Referativnyi zhurnal: Tochnaia mekhanika, optika i ispytatel'naia apparatura (Otdel'nyi vypusk 40) [Journal of Abstracts. Precision Mechanics, Optics, and Testing Apparatus (Separate Issue 40)]

Referativnyi zhurnal. Traktory i sel'skokhoziaistvennye mashiny; orudiia (Otdel'nyi vypusk 44) [Journal of Abstracts: Tractors and Agricultural Machinery and Equipment (Separate Issue 44)]

Referativnyi zhurnal. Truboprovodnyi transport (Otdel'nyi vypusk 45) [Journal of Abstracts Pipeline Transportation (Separate Issue 45)]

Referativnyi zhurnal Turbostroenie (Otdel'nyi vypusk 49) [Journal of Abstracts: Turbine Manufacture (Separate Issue 49)]

Referativnyi zhurnal; Voprosy tekhnicheskogo progressa i organizatsii proizvodstva v mashinostroenii (Otdel'nyi vypusk 35) [Journal of Abstracts: Problems of Technological Progress and the Organization of Production in the Machinery Industry (Separate Issue 35)]

Referativnyi zhurnal; Vzaimodeistvie raznykh vidov transporta i kontseinernye perevozki (Otdel'nyi vypusk 31) [Journal of Abstracts: Container Shipments and the Interaction of Various Types of Transportation (Separate Issue 31)]

Referativnyi zhurnal. Zheleznodorozhnyi transport [Journal of Abstracts Railroad Transportation]
CLU

Rostov-on-Don. Institut inzhenerov zheleznodorozhnogo transporta. Sbornik trudov [Institute of Engineers of Railroad Transportation. Papers]

Rostov-on-Don. Institut inzhenerov zheleznodorozhnogo transporta. Trudy [Institut of Engineers of Railroad Transportation. Transactions]
MH NNC WaU

Russia (1923- U.S.S.R.) Ministerstvo putei soobshcheniia. Nauchno-tekhnicheskii sovet. Biulleten' tekhniko-ekonomicheskoi informatsii [Ministry of Railroad Transportation. Scientific and Technical Council. Bulletin of Technical and Economic Information]

Russia (1923- U.S.S.R.) Ministerstvo putei soobshcheniia. TSentral'naia nauchno-tekhnicheskaia biblioteka. Literatura po zheleznodorozhnomu transportu [Ministry of Railroad Transportation. Central Technological Library. Literature on Railroad Transportation]

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, mashinostroenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning. Machine Building]
CU-A CaOON ICMILC MCM
NNE OCoB ViU

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, priborostroenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning. Instrument Manufacture]
CaOON MCal MoKL NIC
PPF ViU

Stanki i instrument [Machine Tools and Their Tools]
CLU CaOON CtY DS
IU MH MdBT MoKL
NNC NNH NNIS OCoIS
Stroitel'nye i dorozhnye mashiny [Road and Construction Machinery]
MoKL NN NNH

Teoriia mashin i mekhanizmov [Theory of Machines and Mechanisms]

Teploenergetika [Heat Engineering]
CU CaOON DeU ICMILC
MoKL MoSW NIC NN
PPF ViU

Teploznye i sudovye dvigateli [Thermomotive and Marine Engines]

Traktory i sel'khozmashiny [Tractors and Agricultural Machinery]
DNAL MoKL

Vestnik mashinostroeniia [Machine-Building Herald]
CLU CSt-H CStmoR CU
DI-GS DNAL DS GAT
IU InU MCM MH
MoKL NN NNC NNI
OCl RPB TxU

Vodopodgotovka i vodnyi rezhim kotlov [Water Treatment and Water Conditions in Boilers of Electric Power Plants]

Voprosy mekhaniki real'nogo tverdogo tela [Problems of the Mechanics of the Real Solid Body]
OCoB

Vsesoiuznyi nauchno-issledovatel'skii institut [illegible] dlia promyshlennosti stroitel'nykh materialov. Sbornik trudov [All-Union Scientific Research Institute on Machinery for the Building Materials Industry. Papers]

Za bezopasnost' dvizheniia [For Traffic Safety]

Za rulem [At the Wheel]
NN

Zheleznodorozhnyi transport [Railroad Transportation]
DBC MdBJ NN NNPs

h) Mining & metallurgy

Akademiia nauk Armianskoi SSR, Erevan. Izvestiia. Seriia tekhnicheskikh nauk. Izvestiia Akademii nauk Armianskoi SSR. Seriia tekhnicheskikh nauk. Iskopaemye [Academy of Sciences of the Armenian S.S.R. Mineral Resources]
PSt

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Institut po razrabotki neftianykh i gazovykh mestorozhdenii. Trudy [Academy of Sciences of the Azerbaijan S.S.R. Institute for the Development of Oil and Gas Fields. Transactions]
ICMILC MoKL

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Izvestiia. Seriia gornogo dela [Academy of Sciences of the Kazakh S.S.R. Bulletin, Series in Mining]
CU IU KyU MH
NN

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Izvestiia. Seriia metallurgii, obogashchenila i ogneupornykh materialov [Academy of Sciences of the Kazakh S.S.R. Bulletin in Metallurgy, Concentration, and Refractory Materials]
KyU MoKL NN

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Gornometallurgicheskii nauchno-issledovatel'skii institut. Trudy [Academy of Sciences of the Kazakh S.S.R. Altai Scientific Research Institute for Mining and Metallurgy. Transactions]
CLU CU FMU ICMILC

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut gornogo dela. Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of Mining. Transactions]
CU DI IU NNC

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut metallurgii i obogashchenila. Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of Metallurgy and Ore Dressing. Transactions]
ICMILC OCoB

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut nefti. Trudy [Academy of Sciences of the Kazakh S.S.R. Petroleum Institute. Transactions]
CLC CU DI-GS MH-Z

Akademiia nauk SSSR. Izvestiia. Metallurgiia i gornoe delo [Academy of Sciences of the U.S.S.R. Bulletin. Metallurgy and Mining]
NNE NjP OCoB TxHR

Akademiia nauk SSSR, Izvestiia, Otdelenie tekhnicheskikh nauk, Metallurgiia i toplivo [Academy of Sciences of the U.S.S.R. Bulletin, Department of Technological Sciences, Metallurgy and Fuel]

CSt	CU	CU-A	CaOON	CtPT
FU	ICJ	ICMILC	IEN	IU
InAS	InLP	LU	MCM	MH
MH-GM	MiU	MoKL	NIC	NNC
NNF	NjP	PU	RPB	RU
TCaS	UaUU	ViU		

Akademiia nauk SSSR, Institut gornuchikh iskopaemykh, Trudy [Academy of Sciences of the U.S.S.R. Institute of Mineral Fuels, Transactions]

CU	CaOOG	DI	ICMILC	MH
NIC				

Akademiia nauk SSSR, Institut metallurgii, Trudy [Academy of Sciences of the U.S.S.R. Institute of Metallurgy, Transactions]

CLU	CU	ICMILC	NIC	OCoB
PPF				

Akademiia nauk SSSR, Laboratoriia geologii uglia, Trudy [Academy of Sciences of the U.S.S.R. Laboratory of the Geology of Coal, Transactions]

CLU	ICMILC	IU	MH	NIC
OU	WU	WaU	WyU	

Akademiia nauk SSSR, Sibirskoe otdelenie, Institut gornogo dela, Trudy [Academy of Sciences of the U.S.S.R. Siberian Branch, Institute of Mining, Transactions]
ICMILC

Akademiia nauk SSSR, Uralskii filial, Sverdlovsk, Institut gornogo dela, Trudy [Academy of Sciences of the U.S.S.R. Ural Branch, Institute of Mining, Transactions]

CLU	CU	CaOOG	ICMILC	NIC

Akademiia nauk SSSR, Uralskii filial, Sverdlovsk, Institut metallurgii, Trudy [Academy of Sciences of the U.S.S.R. Ural Branch, Institute of Metallurgy, Transactions]

CU	ICJ	ICMILC	NIC	WU
WaU				

Akademiia nauk URSR, Kiev, Instytut geologii korysnykh kopalyn, Lvov, Trudy [Academy of Sciences of the Ukrainian S.S.R. Institute of the Geology of Mineral Deposits, Transactions]
CU

Akademiia nauk URSR, Kiev, Instytut hirnychoi spravy, Trudy [Academy of Sciences of the Ukrainian S.S.R. Institute of Mining, Transactions]

CLU	CU	NN	NNE	WaU

Akademiia nauk URSR, Kiev, Instytut hirnychoi spravy, Kryvorozhskii filial, Shornik naukovykh trudov [Academy of Sciences of the Ukrainian S.S.R. Institute of Mining, Kryvoy Rog Branch, Papers]

Akademiia nauk URSR, Kiev, Instytut metalofizyky, Shornik naukovykh rabot [Academy of Sciences of the Ukrainian S.S.R. Institute of the Physics of Metals, Papers]

NjMaH	TONS	WaU		

Aliuminievye splavy [Aluminum Alloys]

Alma-Ata, Kazakhskii nauchno-issledovatel'skii institut mineral'nogo syr'ia, Trudy [Kazakh Scientific Research Institute of Mineral Raw Materials, Transactions]

Azerbaidzhanskoe neftianoe khoziaistvo [Azerbaijan Petroleum Industry]

CLU	CSt-H	CU	DBC	DI-GS
DI1	DS	ICJ	IU	NN
NNC	NNIS	OCl		

Berdianskii opytnyi neftemaslozavod, Trudy [Berdyansk Experimental Petroleum Lubricants Plant, Transactions]

Donetsk, Nauchno-issledovatel'skii ugol'nyi institut, Shornik [Scientific Research Coal Institute, Papers]

Fizika metallov i metallovedenie [The Physics of Metals and Physical Metallurgy]

CLU	CaOON	ICJ	ICMILC	IU
InLP	MCM	MH	MnU	MoKL
NIC	NNC	NNE	NNIS	PSt
RPB				

Fiziko-mekhanicheskie svoistva, davlenie i razrushenie gornykh porod [Physicomechanical Properties, Pressure, and Disintegration of Rocks]

Gazovoe delo [Gas Industry]

Geofizicheskaia razvedka [Geophysical Prospecting]
CU

Geologiia nefti i gaza [The Geology of Petroleum and Gas]

CU	ICJ	MoKL	NNC	NNE
OCoB	PSt	ViU		

Geologiia rudnykh mestorozhdenii [Geology of Ore Deposits]

CLU	CSt	CaNBFU	ICJ	ICMILC
MCM	MoKL	NIC	NhD	OCoB

Gornye i ekonomicheskie voprosy razrabotki ugol'nykh i rudnykh mestorozhdenii [Mining and Economic Problems in the Development of Coal and Ore Deposits]

Gornyi zhurnal [Mining Journal]

CLU	CSt-H	CU	CaOTU	DI
DI-GS	ICU	IU	InU	MH
MoKL	NN	NNC	NNE	NNIS
OCoB	PBL	PPF	PSt	RPB

Issledovanie splavov tsvetnykh metallov [Studies on Alloys of Nonferrous Metals]

CU	ICMILC	MoKL	NIC	NNC

Issledovaniia po zharoprochnym splavam [Studies on Heat-Resistant Alloys]

ICMILC	InLP	OCoB	

Kharkov, Gornyi institut, Nauchnye trudy [Mining Institute, Studies]

Kiev, Gosudarstvennyi nauchno-issledovatel'skii i proektnyi institut ugol'noi, rudnoi, neftianoi i gazovoi promyshlennosti "Ukrniproekt," Nauchnye zapiski [State Scientific Research and Planning Institute for the Coal, Ore Extraction, Petroleum, and Gas Industries "Ukrniproekt," Studies]
WaU

Kiev, Nauchno-issledovatel'skii institut mestnoi i toplivnoi promyshlennosti, Trudy [Scientific Research Institute of Local and Fuel Industry, Transactions]
MH

Krivoy Rog, Gornorudnyi institut, Shornik nauchnykh trudov [Institute for Mining and Ore Dressing, Papers]

Kuznetskii nauchno-issledovatel'skii i proektno-konstruktorskii institut ugleobogashchenila, Nauchnye trudy [Kuznetsk Scientific Research and Design Institute for Coal Preparation, Studies]

Leningrad, Gornyi institut, Zapiski [Institute of Mining, Records]

CSfA	CU	CtY	DI-GS	DSI
ICF	IU	InU	MBN	MCM
MdBJ	MnU	NN	NNC	NNE
PPAmP	RPB	WaU		

Leningrad, Vsesoiuznyi nauchno-issledovatel'skii institut asbestovoi promyshlennosti, Nauchnye trudy [All-Union Scientific Research Institute of the Asbestos Industry, Studies]

Leningrad, Vsesoiuznyi nauchno-issledovatel'skii markshelderskii institut, (Trudy) [All-Union Mine Surveying Scientific Research Institute, (Transactions)]

Liteinoe proizvodstvo [Foundry Practice]

CU	DS	FU	GAT	IU
MdBJ	NN	NNIS	OU	

Magadan, Vsesoiuznyi nauchno-issledovatel'skii institut zolota i redkikh metallov, Trudy, Gornoe delo [All-Union Scientific Research Institute of Gold and Rare Metals, Transactions, Mining]

Magadan, Vsesoiuznyi nauchno-issledovatel'skii institut zolota i redkikh metallov, Trudy, Obogashchenie i metallurgiia [All-Union Scientific Research Institute of Gold and Rare Metals, Transactions, Beneficiation and Metallurgy]

Makeyevka, Nauchno-issledovatel'skii institut po bezopasnosti rabot v gornoi promyshlennosti, Trudy, Voprosy gornoi elektromekhaniki [Scientific Research Institute for Mine Safety, Transactions, Problems of *Electrical Engineering in Mining*]

Materialy GKZ po metodike razvedki, promyshlennoi otsenke i podschetu zapasov mestorozhdenii poleznykh iskopaemykh [Materials of the State Committee on Mineral Resources Dealing with Prospecting Methods, Evaluation, and Calculation of the Amount of Mineral Deposits]

Materialy po geologii i poleznym iskopaemym tsentral'nykh raionov evropeiskoi chasti SSSR [Materials on the Geology and Mineral Resources of the Central Regions of the European Part of the U.S.S.R.]
CU

Metallovedenie i termicheskaia obrabotka metallov [Metals and Heat Treatment of Metals]

CU	CaOON	ICJ	IEN	InLP
MH	MoKL	NIC	NNC	NNE
NNIS				

Metallurg [Metallurgist]

CU	DS	ICJ	InLP	MH
MoKL	NIC	NN	NjMuB	OCoB
PPF				

Metallurgicheskaia i gornorudnaia promyshlennost' [Metallurgical, Mining, and Ore Dressing Industries]

Moscow, Gornyi institut, Nauchnye trudy [Mining Institute, Studies]
NNE

Moscow, Gosudarstvennyi nauchno-issledovatel'skii institut gornokhimicheskogo syr'ia, Trudy [State Scientific Research Institute of Mined Chemical Raw Materials, Transactions]

Moscow, Gosudarstvennyi nauchno-issledovatel'skii institut tsvetnykh metallov, Shornik nauchnykh trudov [State Scientific Research Institute of Nonferrous Metals, Scientific Papers]

Moscow, Institut gornogo dela imeni A. A. Skochinskogo, Nauchno soobshchenila [A. A. Skochinskii Institute of Mining, Scientific Reports]
ICMILC

Moscow, Institut neftekhimicheskoi i gazovoi promyshlennosti, Trudy [Institute of the Petrochemical and Gas Industry, Transactions]

CLU	CU	NNC	WaU

Moscow, Institut stali splavov, Shornik [Steel and Alloys Institute, Papers]

CSt	ICJ	MH	NN	WaU

Moscow, TSentral'nyi nauchno-issledovatel'skii institut chernoi metallurgii, Shornik trudov [Central Scientific Research Institute of Ferrous Metallurgy, Papers]

Moscow, Vsesoiuznyi nauchno-issledovatel'skii geologo-razvedochnyi neftianoi institut, Trudy [All-Union Scientific Research Institute of Petroleum Geology and Prospecting, Transactions]

CLU	IEN	IU	IaU	InU
LU	MiDW	TxU	WaU	

Moscow, Vsesoiuznyi nauchno-issledovatel'skii gorno-metallurgicheskii institut tsvetnykh metallov, Sbornik trudov [All-Union Scientific Research Institute of the Mining and Metallurgy of Nonferrous Metals, Papers]

Moscow, Vsesoiuznyi nauchno-issledovatel'skii institut avtogennoi obrabotki metallov, Trudy [All-Union Scientific Research Institute of Autogenous Working of Metals, Transactions]

Moscow, Vsesoiuznyi nauchno-issledovatel'skii institut *mineral'nogo syr'ia*, Trudy [All-Union Scientific Research Institute of *Mineral Resources*, *Transactions*]

CLU	CSfA	CU	CaOCG	CtY
DI-GS	ICF	ICU	IU	MCM
MH	MdBJ	MiU	MnU	MtU
NIC-A	NN	NNC	NcU	NTM
NjP	OClW	OU	PPAN	RPB
WaU				

Moscow, Vsesoiuznyi nauchno-issledovatel'skii institut podzemnoi gazifikatsii uglei, Nauchnye trudy [All-Union Scientific Research Institute of Underground Coal Gasification, Studies]

Nauchno-issledovatel'skii institut asbestovoi promyshlennosti, Trudy [Scientific Research Institute of the Asbestos Industry, Transactions]

Neftegazovaia geologiia i geofizika [Petroleum and Gas Geology and Geophysics]

Neftepererabotka i neftekhimiia [Petroleum Refining and Petroleum Chemistry]

Neftepromyslovoe delo [Petroleum Production]

Neftianik [The Petroleum Worker]

CLU	CU	ICJ	ICMILC	PPF

Neftianoe khoziaistvo [The Petroleum Industry]

CLU	CSt-H	CU	CaOON	CoU
DBC	DI-GS	DS	IU	IaU
InU	MH	MiDBJ	MoKL	NN
NNC	NNE	PPF	PSt	TxU
WaU				

Novokuznetsk, Vsesoiuznyi nauchno-issledovatel'skii i proektno-konstruktorskii institut dobychi uglia gidravlicheskim sposobom, Trudy [All-Union Scientific Research and Design Institute for the Hydraulic Mining of Coal, Transactions]

Novositi tekhnicheskoi literatury: Metallurgiia i tekhnologiia metallov [News of Technological Literature Metallurgy and Technology of Metals]

Obogashchenie i briketirovanie uglei [Coal Preparation and Briquetting]

Obogashchenie rud [Ore Dressing]
MCM

Ogneupory [Refractories]

CLU	CU	CaOON	DAL	ICJ
MH	NN	NNIS	PPi	PSt

Poroshkovaia metallurgiia [Powder Metallurgy]

ICMILC	NN	TONS		

Prokop'yevsk, Kuznetskii nauchno-issledovatel'skii ugol'nyi institut, Shornik [Kuznetsk Scientific Research Coal Institute, Papers]

Promyslovaia geofizika [Mining Geophysics]

Razvedka i okhrana nedr [Prospecting and Conservation of Mineral Resources]

CLU	CU	CaOOG	NN	NNC
NNE	NNIS			

Razvedochnaia i promyslovaia geofizika [Prospecting and Industrial Geophysics]

MCM	NN	OU	

Referativnyi zhurnal: Gornoe delo [Journal of Abstracts: *Mining*]

MCM NIC NN OCoB OkU
WaU

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, gornyi zhurnal [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Mining Journal]
ICMILC NIC OCoB ViU

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, neft' i gaz [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Petroleum and Gas]
CU CaOON ICMILC MoKL NIC
NaC OCoB PPT ViU WaU

Shakhtnoe stroitel'stvo [Mine Construction]
DC

Sovetskii shakhter [Soviet Miner]
MdBJ NN NNC NNIS

Stal' [Steel]
CtY DBC DS GAT ICJ
MoKL NN NNC NNIS PPiC
WaU

Sverdlovsk. Vostochnyi institut ognetuporov. Trudy [Eastern Institute of Refractories. Transactions]

Sverdlovsk. Vsesoiuznyi nauchno-issledovatel'skii institut metallurgicheskoi teplotekhniki. Sbornik nauchnykh trudov [All-Union Scientific Research Institute of Metallurgical Heat Balance Engineering. Papers]

Titan i ego splavy [Titanium and its Alloys]
CU DI ICMILC NIC OCoB

Torfianaia promyshlennost' [Peat Industry]
MH MdBJ MnU MoKL NN
OCoB WaU

Transport i khranenie nefti [Transportation and Storage of Petroleum]

TSentral'nyi nauchno-issledovatel'skii i proektno-konstruktorskii institut podzemnogo shakhtnogo stroitel'stva. Trudy [Central Scientific Research and Design Institute for Underground and Mine Building. Transactions]

TSvetnye metally [Nonferrous Metals]
CU CaOON GAT ILN NIC
NN NNE OCoB

Tula. Gornyi institut. Nauchnye trudy [Mining Institute. Studies]

Ufa. Nauchno-issledovatel'skii institut po transportu i khraneniiu nefti i nefteproduktov. Trudy [Scientific Research Institute for Transportation and Storage of Petroleum Products. Transactions]

Ugol' [Coal]
CtY DS GAT ICJ MCM
MdBJ MoKL NN NNC NNL
NNIS OCoB PSt WaU

Ugol' Ukrainy [Coal of the Ukraine]
ICJ

Ugol'naia promyshlennost' [Coal Industry]

Volgograd. Nauchno-issledovatel'skii institut neftianoi i gazovoi promyshlennosti. Trudy [Scientific Research Institute for the Petroleum and Gas Industry. Transactions]

Voprosy bezopasnosti v ugol'nykh shakhtakh [Safety Problems in Coal Mines]

Voprosy dinamicheskoi teorii rasprostraneniia seismicheskikh voln [Problems of the Dynamic Theory of the Propagation of Seismic Waves]
CLU CU IU MoKL

Voprosy proizvodstva stali [Problems of Steel Production]
DBC ICMILC NN NNC

Voprosy rudnichnogo transporta [Problems of Mine Haulage]

Vsesoiuznyi nauchno-issledovatel'skii institut burovoi tekhniki. Trudy [All-Union Scientific Research Institute of Drilling Techniques. Transactions]
CU InU

Vsesoiuznyi neftegazovyi nauchno-issledovatel'skii institut. Nauchno-tekhnicheskii sbornik po dobyche nefti [All-Union Scientific Research Institute of Petroleum and Natural Gas. Scientific and Technical Papers on Petroleum Production]
WaU

Vsesoiuznyi neftegazovyi nauchno-issledovatel'skii institut. Trudy [All-Union Scientific Research Institute of Petroleum and Natural Gas. Transactions]
ICU IU InU KyU MiC
NNC WaU

Vsesoiuznyi neftegazovyi nauchno-issledovatel'skii institut. Krasnodarskii filial. Trudy [All-Union Scientific Research Institute of Petroleum and Natural Gas Krasnodar Branch. Transactions]
CU IU InU NNC

Vzryvnoe delo [Blasting]
NN

Vzryvnye raboty [Blasting]

Zavodskaia laboratoriia [The Factory Laboratory]
CLU CU DNAL LU MH
MoKL NN NNIS NcD OCoB
PPF TxU

17 MILITARY & NAVAL SCIENCES

a) Military science

Bratstvo kolyshnikh voinov Pershoi Ukrainskoi Dyvizii Ukrains'koi Narodnoi Armii. Visti [Brotherhood of Former Soldiers of the First Ukrainian Division of the Ukrainian National Army. News]

Kommunist Vooruzhennykh Sil [Communist of the Armed Forces]
CSt-H DS

Nasha pereklichka [Our Roll Call]. New York

Nashi vesti [Our News]
NN

Rodimyi krai [Native Land]
NN

Sovetskii voin [Soviet Soldier]
CSt-H MH NN

Starshina-serzhant [Noncommissioned Officers]
CSt-H

Vestnik pervopoltodnika [Herald of the First Campaign Veterans]

Vestnik protivovozdushnoi oborony [Air Defense Review]
CU DS MH-L NN

Vestnik Vozdushnogo Flota [Review of the Air Force]
CStmoR DS NN NNIS

Visti kombatanta [Veterans' News]

Voennye znaniia [Military Knowledge]
CSt-H CStmoR MH NN WaU

Voennyi vestnik [Military Review]
CSt-H CU DS InU NN NNC

b) Naval science

Association of Russian Imperial Naval Officers in America, New York. [Bulletin] Obshchestvo Rossiiskogo Imperatorskogo Flota v Amerike, [Bulletin].
DS NN

Gorkiy. Institut inzhenerov vodnogo transporta. [Institute of Water Transportation Engineers. Transactions]
MiU

Leningrad. Institut vodnogo transporta. Trudy [Institute of Water Transportation. Transactions]

Leningrad. Korablestroitel'nyi institut. Trudy [Shipbuilding Institute. Transactions]

Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. Informatsionnyi sbornik. Ekspluatatsiia i sviaz' [Central Scientific Research Institute of the Merchant Marine. Information Bulletin. Operation and Communications]

Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. Informatsionnyi sbornik. Ekspluatatsiia morskogo flota [Central Scientific Research Institute of the Merchant Marine. Information Bulletin. Operation and Maintenance of Merchant Ships]

Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. Trudy [Central Scientific Research Institute of the Merchant Marine. Transactions]
MiU

Leningrad. TSentral'nyi nauchno-issledovatel'skii institut rechnogo flota. Trudy [Central Scientific Research Institute of The River Fleet. Transactions]
CU

Morskoi flot [The Merchant Marine]
CSt-H CStmoR DS InU NcD
MH MdBJ NIC NN NNC

Morskoi sbornik, zhurnal Voenno-Morskogo Flota SSSR [Naval Review, Magazine of the Soviet Navy]
CLU CSt-H CU MH NcD
MdAN NIC NN NNA NNC

Novosibirsk. Institut inzhenerov vodnogo transporta. Trudy [Institute of Water Transportation Engineers. Transactions]

Rechnoi transport [Inland Water Transportation]
CtY DBC DS InU MH
NN NNC NNIS NNUN WaU

Referativnyi zhurnal: Vodnyi transport [Journal of Abstracts: Water Transportation]
CLU

Russia (1923- U.S.S.R.) Ministerstvo morskogo flota. Tekhnicheskoe upravlenie. Biulleten' tekhnicheskoi informatsii [Ministry of the Merchant Marine. Technical Administration. Bulletin of Technical and Economic Information]

Sudostroenie [Shipbuilding]
MCM NN NNE

PART C

List of Periodicals Indexed and Abbreviations Used

† Titles listed for the first time

Agitator (6)	Agitator [Agitator]
Akush. i gin. (11b)	Akusherstvo i ginekologiia [Obstetrics and Gynecology]
Antibiotiki (14f)	Antibiotiki [Antibiotics]
Arkh. pat. (14b)	Arkhiv patologii [Archives of Pathology]
Arkheol. pam. URSR (4b)	Arkheologicheskie pamiatniki URSR [Archaeological Monuments of the Ukrainian S. S. R.]
Arkhit. SSSR (10b)	Arkhitektura SSSR [Architecture of the U.S.S.R.]
Astron. zhur. (13b)	Astronomicheskii zhurnal [Journal of Astronomy]
Atom. energ. (16e)	Atomnaia energiia [Atomic Energy]
Atom. tekh. za rub. (16e)	Atomnaia tekhnika za rubezhom [Nuclear Engineering Abroad]
Avt. prom. (16g)	Avtomobil'naia promyshlennost' [Automobile Industry]
Avt. transp. (10g)	Avtomobil'nyi transport [Automotive Transportation]
Avtom. i prib. (16e)	Avtomatika i priborostroenie [Automatic Control and Instrument Manufacture]
Avtom. i telem. (16e)	Avtomatika i telemekhanika [Automatic and Remote Control]
Avtom. svar. (16f)	Akademiia nauk URSR, Kiev. Instytut elektrozvarivannia. Avtomaticheskaia svarka [Academy of Sciences of the Ukrainian S.S.R. Institute of Electric Welding Automatic Welding]
Avtom., telem. i sviaz' (16e)	Avtomatika, telemekhanika i sviaz' [Automatic Control, Remote Control, and Communications]
Az. i Afr. sog. (1b)	Aziia i Afrika segodnia [Asia and Africa Today]
Azerb. khim. zhur. (13d)	Azerbaidzhanskii khimicheskii zhurnal [Azerbaijan Chemical Journal]
Azerb. neft. khoz. (16h)	Azerbaidzhanskoe neftianoe khoziaistvo [Azerbaijan Petroleum Industry]
BIKI [Prilozh.] (5a)	Biulleten' inostrannoi kommercheskoi informatsii, prilozhenie [Bulletin of Foreign Commercial Information; Supplement]
Belarus' (1b)	Belarus' [White Russia]
Bet. i zhel.-bet. (16d)	Beton i zhelezobeton [Concrete and Reinforced Concrete]
Bibliotekar' (2b)	Bibliotekar' [The Librarian]
Biul. Gos. kom. po vop. truda i zar. platy (7)	Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po voprosam truda i zarabotnoi platy. Biulleten' [State Committee on Problems of Labor and Wages. Bulletin]
Bukhg. uchet (5a)	Bukhgalterskii uchet [Accounting]
Bum. prom. (16f)	Bumazhnaia promyshlennost' [Paper Industry]
†Dial. mat. po gov. even. IAk. ASSR (11a)	†Dialektologicheskie materialy po govoram evenkov IAkutskoi ASSR [Dialectological Materials on the Dialects of Evenki in the Yakut A. S. S. R.]
Dokl. AN Azerb. SSR (13a)	Akademiia nauk Azerbaidzhanskoi SSR, Baku. Doklady' [Academy of Sciences of the Azerbaijan S. S. R. Reports]
Dokl. AN BSSR (13a)	Akademiia navuk BSSR, Minsk. Doklady [Academy of Sciences of the White Russian S.S.R. Reports]
Dokl. AN SSSR (13a)	Akademiia nauk SSSR. Doklady [Academy of Sciences of the U. S. S. R. Reports]
Dokl. TSKHA (15a)	Moscow. Moskovskaia sel'skokhoziaistvennaia akademiia im. Timiriazeva. Doklady [Timiriazev Agricultural Academy of Moscow. Reports]
Doshk. vykh. (8a)	Doshkil'ne vykhovannia [Preschool Education]
Ekon. sel'khoz. (5b)	Ekonomika sel'skogo khoziaistva [Economics of Agriculture]
Ekon. stroi. (5b)	Ekonomika stroitel'stva [Economics of Construction]
†Eksp. issl. po fiziol., biokhim. i farm. (13c)	†Eksperimental'nye issledovaniia po fiziologii, biokhimii i farmakologii [Experimental Studies in Physiology, Biochemistry, and Pharmacology]
Eksp. issl. po psikhol. ust. (3a)	Akademiia nauk Gruzinskoi SSR, Tiflis. Institut psikhologii. Eksperimental'nye issledovaniia po psikhologii ustanovki [Academy of Sciences of the Georgian S.S.R. Institute of Psychology. Experimental Studies in the Psychology of Attitude]
Elek. sta. (16e)	Elektricheskie stantsii [Electric Power Stations]
Energ. stroi (16e)	Energeticheskoe stroitel'stvo [Power Construction]
†Epig. Kir. (11a)	†Epigrafika Kirgizii [Epigraphy of Kirghizia]
Fel'd. i akush. (14g)	Fel'dsher i akusherka [Feldsher and Midwife]
Fiz. met. i metalloved. (16h)	Fizika metallov i metallovedenie [The Physics of Metals and Metallography]
Fiz. tver. tela (13f)	Fizika tverdogo tela [Solid State Physics]
Fiz. v shkole (13f)	Fizika v shkole [Physics in Schools]
Flora SSSR (13c)	Akademiia nauk SSSR. Botanicheskii institut. Flora SSSR [Academy of Sciences of the U S. S. R. Botanical Institute Flora of the U. S. S. R.]
Geod. i kart (16a)	Geodeziia i kartografiia [Geodesy and Cartography]
Geog. i khoz. (12b)	Geografiia i khoziaistvo [Geography and the Economy]
Geol. zhur. (12c)	Geologicheskii zhurnal [Geological Journal]
Geomag. i aer. (13f)	Geomagnetizm i aeronomiia [Geomagnetism and Aeronomy]
Gig. truda i prof. zab. (14g)	Gigiena truda i professional'nye zabolevaniia [Labor Hygiene and Occupational Diseases]
Grazhd. av. (16b)	Grazhdanskaia aviatsiia [Civil Aviation]
Inform. biul. Sov. antark. eksp. (1a)	Sovetskaia antarkticheskaia ekspeditsiia, 1955-1958 Informatsionnyi biulleten' [Soviet Antarctic Expedition, 1955-1958. Information Bulletin]
Inform. sbor. NIIGA (12c)	Leningrad. Nauchno-issledovatel'skii institut geologii Arktiki. Informatsionnyi sbornik [Scientific Research Institute of Arctic Geology. Information Bulletin]
Inform. ukaz. bibl. spis. i kart. (2a)	Informatsionnyi ukazatel' bibliograficheskikh spiskov i kartotek, sostavlennykh bibliotekami Sovetskogo Soiuza [Information Index of Bibliographical Lists and Card Files. Compiled by the Libraries of the Soviet Union]
Inform. ukaz. stand. (16a)	Informatsionnyi ukazatel' standartov [Information Index of Standards]
Inzh. zhur. (16g)	Inzhenernyi zhurnal [Engineering Journal]
Iskusstvo (10a)	Iskusstvo [Art]
Ist. arkh. (4a)	Istoricheskii arkhiv [Historical Archives]
†Ist. rab. klas. Len. (5d)	†Istoriia rabochego klassa Leningrada [History of the Working Class of Leningrad]
Ist. SSSR (4a)	Istoriia SSSR [History of the U. S. S. R.]
IUn. tekh. (16a)	IUnyi tekhnik [Young Technician]

DLC-A NIC NNC OCoB OU
ViU

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia, Izvestiia vysshikh uchebnykh zavedenii, gornyi zhurnal [Min-stry of Higher and Secondary Specialized Education. Bulletin of the Institution of Higher Learning, Mining Journal]
ICMILC NIC OCoB ViU

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia, Izvestiia vysshikh uchebnykh zavedenii, neft' i gaz' [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Petroleum and Gas]
CU CaOON ICMILC MoKL NIC
OCoB PPF ViU WaU

Shakhtnoe stroitel'stvo [Mine Construction]
DC

Sovetskaia shakhta [Soviet Mine]
IdBJ NIC NNC NNIS

Stal' [Steel]
CtY DBC DS GAT ICJ
MoKL NN NNC NNIS PPIC
WaU

Sverdlovsk, Vostochnyi institut ogneuporov, Trudy [Eastern Institute of Refractories Transactions]

Sverdlovsk, Vsesoiuznyi nauchno-issledovatel'skii institut metallurgicheskoi teplotekhniki, Sbornik nauchnykh trudov [All-Union Scientific Research Institute of Metallurgical Heat Balance Engineering Papers]

Titan i ego splavy [Titanium and its Alloys]
CU DI ICMILC NIC OCoB

Torfianaia promyshlennost' [Peat Industry]
MH MdBJ MnU MoKL NN
OCoB WaU

Transport i khranenie nefti [Transportation and Storage of Petroleum]

TSentral'nyi nauchno-issledovatel'skii i proektno-konstruktorskii institut podzemnogo i shakhtnogo stroitel'stva, Trudy [Central Scientific Research and Design Institute for Underground and Mine Building. Transactions]

Tsvetnye metally [Nonferrous Metals]
CU CaOOA GAT IFN NIC
NN NNE OCoB

Tula, Gornyi institut, Nauchnye trudy [Mining Institute, Studies]

Ufa, Nauchno-issledovatel'skii institut po transportu i khraneniiu nefti i nefteproduktov, Trudy [Scientific Research Institute for Transportation and Storage of Petroleum Products. Transactions]

Ugol' [Coal]
CtY DS GAT ICJ MCM
MdBJ MoKL NN NNC NNE
NNIS OCoB PSt WaU

Ugol' Ukrainy [Coal of the Ukraine]
ICJ

Ugol'naia promyshlennost' [Coal Industry]

Volgograd, Nauchno-issledovatel'skii institut neftianoi i gazovoi promyshlennosti, Trudy [Scientific Research Institute for the Petroleum and Gas Industry. Transactions]

Voprosy bezopasnosti v ugol'nykh shakhtakh [Safety Problems in Coal Mines]

Voprosy dinamicheskoi teorii rasprostraneniia seismicheskikh voln [Problems of the Dynamic Theory of the Propagation of Seismic Waves]
CLU CU IU MoKL

Voprosy proizvodstva stali [Problems of Steel Production]
DBC ICMILC NN NNC

Voprosy rudnichnogo transporta [Problems of Mine Haulage]

Vsesoiuznyi nauchno-issledovatel'skii institut burovoi tekhniki, Trudy [All-Union Scientific Research Institute of Drilling Techniques, Transactions]
CU IaU

Vsesoiuznyi neftegazovyi nauchno-issledovatel'skii institut, Nauchno-tekhnicheskii sbornik po dobyche nefti [All-Union Scientific Research Institute of Petroleum and Natural Gas, Scientific and Technical Papers on Petroleum Production]
WaU

Vsesoiuznyi neftegazovyi nauchno-issledovatel'skii institut, Trudy [All-Union Scientific Research Institute of Petroleum and Natural Gas Transactions]
ICU IU InU KyU NIC
NNC WaU

Vsesoiuznyi neftegazovyi nauchno-issledovatel'skii institut, Krasnodarskii filial, Trudy [All-Union Scientific Research Institute of Petroleum and Natural Gas, Krasnodar Branch, Transactions]
CU IU InU NNC

Vzryvnoe delo [Blasting]
NN

Vzryvnye raboty [Blasting]

Zavodskaia laboratoriia [The Factory Laboratory]
CLU CU DNAL LU MH
MoKL NN NNIS NcD OCoB
PPT TxU

17 MILITARY & NAVAL SCIENCES

a) Military science

Bratstvo kolyshnikh voiakiv Pershoi Ukrains'koi Dyvizii Ukrains'koi Narodnoi Armii, Visti [Brotherhood of Former Soldiers of the First Ukrainian Division of the Ukrainian National Army, News]

Kommunist Vooruzhennykh Sil [Communist of the Armed Forces]
CSt-H DS

Nasha perekhichka [Our Roll Call], New York

Nashi vesti [Our News]
NN

Rodimyi krai [Native Land]
NN

Sovetskii voin [Soviet Soldier]
CSt-H MH NN

Starshina-serzhant [Noncommissioned Officers]
CSt-H

Vestnik pervopokhodnika [Herald of the First Campaign Veterans]

Vestnik protivovozdushnoi oborony [Air Defense Review]
CU DS MH-L NN

Vestnik Vozdushnogo Flota [Review of the Air Force]
CStmoR DS NN NNIS

Visti kombatanta [Veterans' News]

Voennye znaniia [Military Knowledge]
CSt-H CStmoR MH NN
WaU

Voennyi vestnik [Military Review]
CSt-H CU DS IU
NN NNC

b) Naval science

Association of Russian Imperial Naval Officers in America, New York [Bulletin] Biulleten' Ob"edineniia Rossiiskogo Imperatorskogo Flota v Amerike, New York [Bulletin].
DS NN

Gorkiy, Institut inzhenerov vodnogo transporta [Institute of Water Transportation Engineers Collection]
MiU

Leningrad, Institut vodnogo transporta, Trudy [Institute of Water Transportation, Transactions]

Leningrad, Korablestroitel'nyi institut, Trudy [Shipbuilding Institute, Transactions]

Leningrad, TSentral'nyi nauchno-issledovatel'skii institut morskogo flota, Informatsionnyi biulleten', Zhdanov i sviaz' [Central Scientific Research Institute of the Merchant Marine, Information Bulletin, Navigation and Communications]

Leningrad, TSentral'nyi nauchno-issledovatel'skii institut morskogo flota, Informatsionnyi biulleten' Upravleniia ekspluatatsii morskogo flota [Central Scientific Research Institute of the Merchant Marine Information Bulletin, Operation and Maintenance of Merchant Ships]

Leningrad, TSentral'nyi nauchno-issledovatel'skii institut morskogo flota, Trudy [Central Scientific Research Institute of the Merchant Marine, Transactions]
MH

Leningrad, TSentral'nyi nauchno-issledovatel'skii institut rechnogo flota, Trudy [Central Scientific Research Institute of the River Fleet, Transactions]
CU

Morskoi flot [The Merchant Marine]
CSt-H CStmoR DS InU MH
MH MdBJ NIC NN

Morskoi sbornik; zhurnal Voenno-Morskikh Sil SSSR [Naval Review, Magazine of the Soviet Navy]
CLU CSt-H CU MH
MdAN NIC NN NNA

Novosibirsk, Institut inzhenerov vodnogo transporta, Trudy [Institute of Water Transportation Engineers Transactions]

Rechnoi transport [Inland Water Transportation]
CtY DBC DS InU
NN NNC NNIS NNUN

Reklamnyi zhurnal: Vodnyi transport [Boat Shows, Streets Water Transportation]
CLU

Russia (1923- U.S.S.R.) Ministerstvo morskogo flota, Tekhnicheskoe upravlenie, Biulleten' tekhnicheskoi informatsii [Ministry of the Merchant Marine, Technical Administration, Bulletin of Technical Economic Information]

Sudostroenie [Shipbuilding]
MCM NN NNE

PART C

List of Periodicals Indexed and Abbreviations Used

† Titles listed for the first time

Agitator (6)	Agitator [Agitator]
Akush. i gin. (14h)	Akusherstvo i ginekologiia [Obstetrics and Gynecology]
Antibiotiki (14f)	Antibiotiki [Antibiotics]
Arkh. pat. (14e)	Arkhiv patologii [Archives of Pathology]
Arkheol. pam. URSR (4b)	Arkheologichni pam'iatky URSR [Archaeological Monuments of the Ukrainian S.S.R.]
Arkhit. SSSR (10b)	Arkhitektura SSSR [Architecture of the U.S.S.R.]
Astron. zhur. (13b)	Astronomicheskii zhurnal [Journal of Astronomy]
Atom. energ. (16e)	Atomnaia energiia [Atomic Energy]
Atom. tekh. za rub. (16e)	Atomnaia tekhnika za rubezhom [Nuclear Engineering Abroad]
Avt. prom. (16g)	Avtomobil'naia promyshlennost' [Automobile Industry]
Avt. transp. (16g)	Avtomobil'nyi transport [Automotive Transportation]
Avtom. i prib. (16e)	Avtomatika i priborostroenie [Automatic Control and Instrument Manufacture]
Avtom. i telem. (16e)	Avtomatika i telemekhanika [Automatic and Remote Control]
Avtom. svar. (16f)	Akademiia nauk URSR, Kiev. Instytut elektrozvariuvannia. Avtomaticheskaia svarka [Academy of Sciences of the Ukrainian S.S.R. Institute of Electric Welding. Automatic Welding]
Avtom., telem. i sviaz' (16e)	Avtomatika, telemekhanika i sviaz' [Automatic Control, Remote Control, and Communications]
Az. i Afr. segodnia (1b)	Aziia i Afrika segodnia [Asia and Africa Today]
Azerb. khim. zhur. (13d)	Azerbaidzhanskii khimicheskii zhurnal [Azerbaijan Chemical Journal]
Azerb. neft. khoz. (16h)	Azerbaidzhanskoe neftianoe khoziaistvo [Azerbaijan Petroleum Industry]
BIKI [Prilozh.] (5a)	Biulleten' inostrannoi kommercheskoi informatsii, prilozhenie [Bulletin of Foreign Commercial Information; Supplement]
Belarus' (1b)	Belarus' [White Russia]
Bet. i zhel.-bet. (16d)	Beton i zhelezobeton [Concrete and Reinforced Concrete]
Bibliotekar' (2b)	Bibliotekar' [The Librarian]
Biul. Gos. kom. po vop. truda i zar. platy (7)	Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po voprosam truda i zarabotnoi platy. Biulleten' [State Committee on Problems of Labor and Wages. Bulletin]
Bukhg. uchet (5e)	Bukhgalterskii uchet [Accounting]
Bum. prom. (16f)	Bumazhnaia promyshlennost' [Paper Industry]
†Dial. mat. po govoram evenk. i Ak. ASSR (11a)	†Dialektologicheskie materialy po govoram evenkov i Akutskoi ASSR [Dialectological Materials on the Dialects of Evenki in the Yakut A.S.S.R.]
Dokl. AN Azerb. SSR (13a)	Akademiia nauk Azerbaidzhanskoi SSR, Baku. Doklady [Academy of Sciences of the Azerbaijan S.S.R. Reports]
Dokl. AN BSSR (13a)	Akademiia nauk BSSR, Minsk. Doklady [Academy of Sciences of the White Russian S.S.R. Reports]
Dokl. AN SSSR (13a)	Akademiia nauk SSSR. Doklady [Academy of Sciences of the U.S.S.R. Reports]
Dokl. TSKHA (15a)	Moscow. Moskovskaia sel'skokhoziaistvennaia akademiia im. Timiriazeva. Doklady [Timiriazev Agricultural Academy of Moscow. Reports]
Doshk. vykh. (8a)	Doshkil'noe vykhovannia [Preschool Education]
Ekon. sel'khoz (5b)	Ekonomika sel'skogo khoziaistva [Economics of Agriculture]
Ekon. stroi. (5b)	Ekonomika stroitel'stva [Economics of Construction]
†Eksp. issl. po fiziol., biokhim. i farm. (13c)	†Eksperimental'nye issledovaniia po fiziologii, biokhimii i farmakologii [Experimental Studies in Physiology, Biochemistry, and Pharmacology]
Eksp. issl. po psikhol. ust. (3a)	Akademiia nauk Gruzinskoi SSR, Tiflis. Institut psikhologii. Eksperimental'nye issledovaniia po psikhologii ustanovki [Academy of Sciences of the Georgian S.S.R. Institute of Psychology. Experimental Studies in the Psychology of Attitude]
Elek. sta. (16e)	Elektricheskie stantsii [Electric Power Stations]
Energ. stroi. (16e)	Energeticheskoe stroitel'stvo [Power Construction]
†Epig. Kir. (11a)	†Epigrafika Kirgizii [Epigraphy of Kirghizia]
Fel'd. i akush. (14g)	Fel'dsher i akusherka [Feldsher and Midwife]
Fiz. met. i metalloved. (16h)	Fizika metallov i metallovedenie [The Physics of Metals and Metallography]
Fiz. tver. tela (13f)	Fizika tverdogo tela [Solid State Physics]
Fiz. v shkole (13f)	Fizika v shkole [Physics in Schools]
Flora SSSR (13c)	Akademiia nauk SSSR. Botanicheskii institut. Flora SSSR [Academy of Sciences of the U.S.S.R. Botanical Institute. Flora of the U.S.S.R.]
Geod. i kart. (16a)	Geodeziia i kartografiia [Geodesy and Cartography]
Geog. i khoz. (12b)	Geografiia i khoziaistvo [Geography and the Economy]
Geol. zhur. (12c)	Geologichnyi zhurnal [Geological Journal]
Geomag. i aer. (13f)	Geomagnetizm i aeronomiia [Geomagnetism and Aeronomy]
Gig. truda i prof. zab. (14g)	Gigiena truda i professional'nye zabolevaniia [Labor Hygiene and Occupational Diseases]
Grazhd. av. (16b)	Grazhdanskaia aviatsiia [Civil Aviation]
Inform. biul. Sov. antark. eksp. (1a)	Sovetskaia antarkticheskaia ekspeditsiia, 1955-1958. Informatsionnyi biulleten' [Soviet Antarctic Expedition, 1955-1958. Information Bulletin]
Inform. sbor. NIIGA (12c)	Leningrad. Nauchno-issledovatel'skii institut geologii Arktiki. Informatsionnyi sbornik [Scientific Research Institute of Arctic Geology. Information Bulletin]
Inform. ukaz. bibl. spis. i kart. (2a)	Informatsionnyi ukazatel' bibliograficheskikh spiskov i kartotek, sostavlennykh bibliotekami Sovetskogo Soiuza [Information Index of Bibliographical Lists and Card Files. Compiled by the Libraries of the Soviet Union]
Inform. ukaz. stand. (16a)	Informatsionnyi ukazatel' standartov [Information Index of Standards]
Inzh. zhur. (16g)	Inzhenernyi zhurnal [Engineering Journal]
Iskusstvo (10a)	Iskusstvo [Art]
Ist. arkh. (4a)	Istoricheskii arkhiv [Historical Archives]
†Ist. rab. klas. Len. (5d)	†Istoriia rabochego klassa Leningrada [History of the Working Class of Leningrad]
Ist. SSSR (4a)	Istoriia SSSR [History of the U.S.S.R.]
IUn. tekh. (16a)	IUnyi tekhnik [Young Technician]

Iz ist est i tekh. (13a)	tIz istorii estestvoznaniia i tekhniki, sbornik nauchnykh trudov [From the History of Natural Sciences and Technology, Papers]
Izm. tekh (16a)	Izmeritel'naia tekhnika [Measurement Techniques]
Izobr. i rats. (16a)	Izobretatel' i ratsionalizator [Inventor and Efficiency Promoter]
Izv. AN Arm. SSR. Biol. nauki (13c)	Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Biologicheskie nauki [Academy of Sciences of the Armenian S S R. Bulletin. Biological Sciences]
Izv. AN Arm. SSR. Geol. i geog. nauki (12c)	Akademiia nauk Armianskoi SSR, Erivan. Izvestiia. Geologicheskie i geograficheskie nauki [Academy of Sciences of the Armenian S. S. R. Bulletin. Geological and Geographical Sciences]
Izv. AN Arm. SSR. Ser. tekh. nauk (16a)	Akademiia nauk Armianskoi SSR, Erivan Izvestiia. Seriia tekhnicheskikh nauk [Academy of Sciences of the Armenian S S. R. Bulletin. Series in the Technological Sciences]
Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk (1a)	Akademiia nauk Azerbaidzhanskoi SSR, Baku. Izvestiia. Seriia fiziko-matematicheskikh i tekhnicheskikh nauk [Academy of Sciences of the Azerbaijan S. S. R. Bulletin. Series in the Physical, Mathematical, and Technological Sciences]
Izv. AN Azerb. SSR Ser. obshchestv. nauk (1d)	Akademiia nauk Azerbaidzhanskoi SSR, Baku. Izvestiia Seriia obshchestvennykh nauk [Academy of Sciences of the Azerbaijan S S. R. Bulletin. Series in the Social Sciences]
Izv. AN Latv. SSR (1a)	Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Vestis. Izvestiia Akademii nauk Latvitskoi SSR [Academy of Sciences of the Latvian S. S. R. Bulletin]
Izv AN SSSR Mekh i mashinostr (16g)	Akademiia nauk SSSR Izvestiia. Mekhanika i mashinostroenie [Academy of Sciences of the U. S. S R. Bulletin Mechanics and Machine Building]
Izv. AN SSSR. Ser. geofiz. (13f)	Akademiia nauk SSSR. Izvestiia. Seriia geofizicheskaia [Academy of Sciences of the U. S. S. R. Bulletin. Geophysical Series]
Izv. AN SSSR. Ser. geog. (12b)	Akademiia nauk SSSR. Izvestiia. Seriia geograficheskaia [Academy of Sciences of the U.S.S R. Bulletin Geographical Series]
Izv. AN SSSR. Ser. geol. (12c)	Akademiia nauk SSSR. Izvestiia. Seriia geologicheskaia [Academy of Sciences of the U. S. S. R. Bulletin. Geological Series]
Izv. AN SSSR. Tekh. kib. (16e)	Akademiia nauk SSSR. Izvestiia. Tekhnicheskaia kibernetika [Academy of Sciences of the U. S. S. R. Bulletin Engineering Cybernetics]
Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk (13a)	Akademiia nauk Turkmenskoi SSR, Ashkhabad. Izvestiia. Seriia fiziko-tekhnicheskikh, khimicheskikh i geologicheskikh nauk [Academy of Sciences of the Turkmen S. S. R. Bulletin. Series in the Physical and Technological, Chemical, and Geological Sciences]
Izv. AN Uz. SSR. Ser. fiz.-mat. nauk (13f)	Akademiia nauk Uzbekskoi SSR, Tashkent. Izvestiia. Seriia fiziko-matematicheskikh nauk [Academy of Sciences of the Uzbek S. S. R. Bulletin. Series in the Physical and Mathematical Sciences]
Izv. GAO (13b)	Pulkovo. Glavnaia astronomicheskaia observatoriia. Izvestiia [Main Astronomical Observatory. Bulletin]
Izv ISKHI (15a)	tIrkutsk. Sel'skokhoziaistvennyi institut. Izvestiia [Agricultural Institute. Bulletin]
Izv. Kir. fil. Geog. ob-va SSSR (12b)	Geograficheskoe obshchestvo SSSR. Kirgizskii filial. Izvestiia [Geographic Society of the U. S S. R. Kirghiz Branch. Bulletin]
Izv. LETI (16e)	Leningrad. Elektrotekhnicheskii institut. Izvestiia [Institute of Electrical Engineering. Bulletin]
Izv. Vses. geog. ob-va (12b)	Geograficheskoe obshchestvo SSSR. Izvestiia [Geographic Society of the U.S.S.R. Bulletin]
Izv. vys. ucheb. zav.; chern. met. (16h)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; chernaia metallurgiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Ferrous Metallurgy]
Izv. vys. ucheb. zav.; elektromekh. (16e)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; elektromekhanika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Electrical Machinery and Apparatus]
Izv. vys. ucheb. zav.; energ. (16e)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Power Engineering]
Izv. vys. ucheb zav.; fiz. (13f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, fizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Physics]
Izv. vys. ucheb. zav., khim. i khim. tekh. (13d)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, khimiia i khimicheskaia tekhnologiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Chemistry and Chemical Technology]
Izv. vys. ucheb. zav.; neft' i gaz (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, neft' i gaz [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Petroleum and Gas]
Izv vys. ucheb. zav., pishch. tekh (16c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, pishchevaia tekhnologiia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Food Technology]
Izv vys. ucheb. zav.; prav. (7)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, pravovedenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Jurisprudence]
Izv. vys. ucheb. zav.; radiofiz. (13f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; radiofizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Physics]
Izv. vys. ucheb. zav.; radiotekh. (16e)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; radiotekhnika [Ministry of Higher and Secondary Specialized Education Bulletin of the Institutions of Higher Learning; Radio Engineering]
Izv. vys. ucheb. zav.; tekh. leg. prom (16f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tekhnologiia legkoi promyshlennosti [Ministry of Higher and Secondary Specialized Education Bulletin of the Institutions of Higher Learning; Technology of Light Industry]
Kal. znam. i pam. dat (4a)	Kalendar' znamenatel'nykh i pamiatnykh dat [Calendar of Significant and Memorable Dates]
Kaz. med. zhur (14a)	Kazanskii meditsinskii zhurnal [Kazan Medical Journal]
Khim. i tekh. topl. i masel (16c)	Khimiia i tekhnologiia topliv i masel [Chemistry and Technology of Fuel and Oil]
Khim. prom. (16c)	Khimicheskaia promyshlennost' [Chemical Industries]
Khirurgiia (14h)	Khirurgiia [Surgery]
Kin. i kat. (13d)	Kinetika i kataliz [Kinetics and Catalysis]
Klin. med. (14a)	Klinicheskaia meditsina [Clinical Medicine]
Knizh. let. (3a)	Knizhnaia letopis' [Book Chronicle]
Koks i khim. (16c)	Koks i khimiia [Coke and Chemistry]
Komm. Mold. (6)	Kommunist Moldavii [Communist of Moldavia]
Komm. Ukr. (6)	Kommunist Ukrainy [Communist of the Ukraine]
Komm. Vooruzh. Sil (17a)	Kommunist Vooruzhennykh Sil [Communist of the Armed Forces]
Kommunist (6)	Kommunist [Communist]
Komsom. zhizn' (5e)	Komsomol'skaia zhizn' [Life of Communist Youth]
Kons. i ov. prom. (16c)	Konservnaia i ovoshchesushil'naia promyshlennost' [The Canning and Dehydrated Vegetable Industry]
Koop. Kazakh. (5a)	Kooperator Kazakhstana [The Cooperative Worker of Kazakhstan]
Krat. soob. Inst. arkheol. (4b)	Akademiia nauk SSSR. Institut arkheologii. Kratkie soobshcheniia o dokladakh i polevykh issledovaniiakh [Academy of Sciences of the U.S.S.R. Institute of Archaeology. Brief Summaries of Reports and Field Explorations]
Kul't. i zhizn' (1b)	Kul'tura i zhizn' [Culture and Life]

Les. khoz. (15c)	Lesnoe khozialstvo [Forestry]
Let. gazet. st. (2a)	Letopis' gazetnykh statei [Chronicle of Newspaper Articles]
Let. period. izd. SSSR (2a)	Letopis' periodicheskikh izdanii SSSR [Chronicle of Periodical Publications of the U. S. S. R.]
Let. zhur. st. (2a)	Letopis' zhurnal'nykh statei [Chronicle of Periodical Articles]
Lit. i isk. nar. SSSR i zarub. stran (11b)	Literatura i iskusstvo narodov SSSR i zarubezhnykh stran [Literature and Art of the Peoples of the U. S. S. R. and Foreign Countries]
Lit. proizv (16h)	Liteinoe proizvodstvo [Foundry Practice]
Mashinostroenie (16g)	Mashinostroenie [Machinery Manufacture]
Mashinostroitel' (16g)	Mashinostroitel' [Machine Builder]
Masl.-zhir. prom. (16c)	Maslobolno-zhirovaia promyshlennost' [Oils and Fats Industry]
Mat. i soob. issl. otd. Inst. po izuch. SSSR (4a)	Institut zur Erforschung der UdSSR. Materialy i soobshchenila Issledovatel'skogo otdela [Institute for the Study of the U. S. S. R. Materials and Reports of the Research Department]
Mat. po fen. (13c)	ǂ Geograficheskoe obshchestvo SSSR. Fenologicheskii sektor. Materialy po fenologii [Geographical Society of the U. S. S. R. Phenological Sector. Materials on Phenology]
Mat. po geol. i pol. iskop. Irk. obl. (12c)	ǂ Materialy po geologii i poleznym iskopaemym Irkutskoi oblasti [Materials on the Geology and Mineral Resources of Irkutsk Province]
Mat. po geol. Zap.-Sib. niz. (12c)	ǂ Materialy po geologii Zapadno-Sibirskoi nizmennosti [Materials on the Geology of the West Siberian Plain]
Med. paraz. i paraz. bol. (14a)	Meditsinskaia parazitologiia i parazitarnye bolezni [Medical Parasitology and Parasitogenic Diseases]
Med. sestra (14g)	Meditsinskaia sestra [Medical Nurse]
Mekh. i avtom. proizv. (16g)	Mekhanizatsiia i avtomatizatsiia proizvodstva [Mechanization and Automation of Production]
Mest. prom. i khud. promys. (16f)	Mestnaia promyshlennost' i khudozhestvennye promysly [Local Industry and Art Trades]
Metallurg (16h)	Metallurg [Metallurgist]
Mezhdunar. zhizn' (6)	Mezhdunarodnaia zhizn' [International Life]
Mikrobiol. zhur. (13c)	Mikrobiologicheskyi zhurnal [Journal of Microbiology]
Mizhslov. lit. vzaiem. (11b)	ǂ Mizhslov'ians'ki literaturni vzaiemyny [Interrelation of Slavic Literatures]
Mnogokan. izm. sist. v iad. fiz. (13f)	ǂ Mnogokanal'nye izmeritel'nye sistemy v iadernoi fizike [Multichannel Measuring Systems in Nuclear Physics]
Mol. kommun. (6)	Molodoi kommunist [The Young Communist]
Mor. flot (17b)	Morskoi flot [The Merchant Marine]
NTI (16a)	Moscow. Vsesoiuznyi institut nauchnoi i tekhnicheskoi informatsii. Nauchno-tekhnicheskaia informatsiia [All-Union Institute of Scientific and Technical Information. Scientific and Technical Information]
NTO (16a)	Vsesoiuznyi sovet nauchno-tekhnicheskikh obshchestv. Nauchno-tekhnicheskie obshchestva SSSR [All-Union Council of Scientific Technological Societies. Scientific Technological Societies of the U. S. S. R.]
Nar. khoz. Kazakh. (5b)	Narodnoe khoziaistvo Kazakhstana [The National Economy of Kazakhstan]
Nar. obr. (8a)	Narodnoe obrazovanie [Public Education]
Nauch. dokl. vys. shkoly; ekon. nauki (5b)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly; ekonomicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools; Economics]
Nauch. dokl. vys. shkoly; filos. nauki (3a)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly; filosofskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools; Philosophical Sciences]
Nauch. soob. NIIZHB (16d)	Akademiia stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. Nauchnye soobshcheniia [Academy of Construction and Architecture of the U. S. S. R. Institute of Concrete and Reinforced Concrete. Scientific Reports]
Nauch. trudy KHIIT (16g)	Khar'kov. Instytut inzhenerіv zaliznychnoho transportu. Naukhnye trudy [Institute of Engineers of Railroad Transportation. Studies]
Nauch. trudy TSNIIMOD (16f)	ǂ Archangel. TSentral'nyi nauchno-issledovatel'skii institut mekhanicheskoi obrabotki drevesiny. Nauchnye trudy [Central Scientific Research Institute of Mechanical Woodworking. Studies]
Nauch. trudy Uch. chasti UASHN (15a)	ǂ Kiev. Ukrains'ka akademiia sil's'kohospodars'kykh nauk. Uchbova chastyna. Naukhnye trudy [Ukrainian Academy of Agricultural Sciences. Teaching Section Studies]
Nauk. pratsi Bryl. dosl. sta. po zrosh. (15a)	ǂ Brylivs'ka doslidna stantsiia po zroshennu. Naukovi pratsi [Brilevka Irrigation Experiment Station. Studies]
Nauka i zhyttia (13a)	Nauka i zhyttia [Science and Life]
Nov. inostr. knigi, kat. nov. postup. (2a)	Akademiia nauk SSSR. Biblioteka. Novye inostrannye knigi; katalog novykh postuplenii [Academy of Sciences of the U. S. S. R. Library. New Foreign Books, Catalog of New Accessions]
Nov. inostr. lit. po lit. (11b)	Novaia inostrannaia literatura po literaturovedeniiu [New Foreign Literature on the Study of Literature]
Nov. knigi; bibl. ezhened. (2a)	Novye knigi; bibliograficheskii ezhenedel'nik [New books, Bibliographical Weekly]
Nov. knigi SSSR (2a)	Novye knigi SSSR [New Books of the U. S. S. R.]
Nov. knigi za rub. Ser. B (18a)	Novye knigi za rubezhom. Seriia B. Tekhnika [New Foreign Books. Series B: Technology]
Nov. knigi za rub. Ser. V (2a)	Novye knigi za rubezhom. Seriia V: Biologiia, meditsina, sel'skoe khoziaistvo [New Foreign Books. Series V: Biology, Medicine, Agriculture]
Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. (2a)	Novye knigi za rubezhom po obshchestvennym naukam, ekonomika, filosofiia, istoriia, mezhdunarodnye otnosheniia [New Foreign Books on the Social Sciences; Economics, Philosophy, History, International Relations]
Nov. lit. po Rum. (2a)	Novaia literatura po Rumynii [New Literature on Rumania]
Nov. mir (11b)	Novyi mir [The New World]
Nov. vrem. (6)	Novoe vremia [New Times]
Obshchestv. nauki v Uz. (1a)	Obshchestvennye nauki v Uzbekistane [Social Sciences in Uzbekistan]
Obshchestv. pit. (16f)	Obshchestvennoe pitanie [Public Food Service]
Ogneupory (16h)	Ogneupory [Refractories]
Ogonek (1b)	Ogonek [The Little Light]
Okhr. prir. i ozel. (13c)	ǂ Okhrana prirody i ozelenenie [Conservation and Landscaping]
Opt. i spektr. (13f)	Optika i spektroskopiia [Optics and Spectroscopy]
Opyt rab. po tekh. inform. i prop. (16a)	ǂ Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut nauchnoi i tekhnicheskoi informatsii. Opyt raboty po tekhnicheskoi informatsii i propagande [State Scientific Research Institute for Scientific and Technical Information. Work Experience in Technical Information and Propaganda]
Opyt zarub. stroi. (16d)	Akademiia stroitel'stva i arkhitektury SSSR. TSentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture. Opyt zarubezhnogo stroitel'stva [Academy of Construction and Architecture of the U. S. S. R. Central Institute of Scientific Information on Construction and Architecture. Construction Practice Abroad]
Ortop., travm. i protez. (14h)	*Ortopediia, travmatologiia i protezirovanie* [Orthopedics, Traumatology, and Prosthesis]
Osn., fund. i mekh. grun. (16d)	Osnovaniia, fundamenty i mekhanika gruntov [Foundations and Soil Mechanics]
Otv. na vop. trud. (1b)	Otvety na voprosy trudiashchikhsia [Replies to Workers' Questions]

Part zhizn' (6)	Partiinaia zhizn' [Party Life]
Part. zhizn' Kazakh. (6)	Partiinaia zhizn' Kazakhstana [Party Life in Kazakhstan]
Part zhizn' [Uzb.] (6)	Partiinaia zhizn' [Party Life], Uzbekistan.
Pediatriia (14b)	Pediatriia [Pediatrics]
Plan. khoz. (5b)	Planovoe khoziaistvo [Planned Economy]
Plast. massy (16c)	Plasticheskie massy [Plastics]
Pochvovedenie (15a)	Pochvovedenie [Soil Science]
Polm. poch rus. rav. (15a)	Polmennye pochvy russkoi ravniny [Floodland Soils of the East European Plain]
Poligr proizv. (2c)	Poligraficheskoe proizvodstvo [Printing Industry]
Polit. samoobr. (6)	Politicheskoe samoobrazovanie [Political Self-Education]
Pozh delo (16d)	Pozharnoe delo [Fire Fighting]
Prep. ist. v shkole (4a)	Prepodavanie istorii v shkole [Teaching History in Schools]
Prib. i tekh eksp. (13f)	Pribory i tekhnika eksperimenta [Instruments and Experimental Techniques]
Priborostroenie (16g)	Priborostroenie [Instrument Manufacture]
Priroda (13a)	Priroda [Nature]
Probl. Arkt i Antarkt (12b)	Problemy Arktiki i Antarktiki [Problems of the Arctic and the Antarctic]
Probl. endok. i gorm (14a)	Problemy endokrinologii i gormonoterapii [Problems of Endocrinology and Hormone Therapy]
Probl. gidroenerg. i vod khoz. (16e)	Problemy gidroenergetiki i vodnogo khoziaistva [Problems in Hydroelectric Power and Water Resources]
Probl. iun. sporta (8b)	Problemy iunosheskogo sporta [Problems of Sport for Youth]
Probl. pered. inform. (16e)	Problemy peredachi informatsii [Problems of the Transmission of Information]
Probl. tub. (14a)	Problemy tuberkuleza [Problems of Tuberculosis]
', -tekh obr. (16a)	Professional'no-tekhnicheskoe obrazovanie [Vocational Technical Education]
a. Arm. (16a)	Promyshlennost' Armenii [Industry of Armenia]
m. energ. (16e)	Promyshlennaia energetika [Industrial Power]
n. stroi. i sh. soor. (16d)	Promyshlennoe stroitel'stvo i inzhenernye sooruzheniia [Industrial Construction and Engineering Structures]
.mekh. 5)	Prykladna mekhanika [Applied Mechanics]
put. khoz. (16d)	Put' i putevoe khoziaistvo [Railroad Tracks and Roadway
	Worker and the
	let Literary Review]
Rad pravo (7)	Radians'ke pravo [Soviet Law]
Radio (16e)	Radio [Radio]
Radiotekh. i elektron. (16e)	Radiotekhnika i elektronika [Radio Engineering and Electronics]
Radiotekhnika (16e)	Radiotekhnika [Radio Engineering]
Rasch. na prochn. (16g)	Raschety na prochnost'; teoreticheskie i eksperimental'nye issledovaniia prochnosti mashinostroitel'nykh konstruktsii. Sbornik statei [Strength Analysis; Theoretical and Experimental Investigations of Strength of Elements in Machine Design. Collected Papers]
Rech. transp. (17b)	Rechnoi transport [Inland Water Transportation]
Ref. sbor.: Ekon. prom. (5b)	Referativnyi sbornik: Ekonomika promyshlennosti [Journal of Abstracts: Economics of Industry]
Ref. zhur. Astron. (13b)	Referativnyi zhurnal: Astronomiia (Otdel'nyi [illegible]) [Journal of Abstracts: Astronomy (Separate [illegible])
Ref. zhur. Av i raket. dvig. (16b)	Referativnyi zhurnal: Aviatsionnye i raketnye dvigateli (Otdel'nyi vypusk 34) [Journal of Abstracts: Aircraft and Rocket Engines (Separate Issue 34)]
Ref. zhur.: Avt. dor. (16d)	Referativnyi zhurnal: Avtomobil'nye dorogi [illegible] Abstracts: Highways]
Ref. zhur.: Avt. i gor. transp. (16g)	Referativnyi zhurnal: Avtomobil'nyi i gorodskii [illegible] [Journal of Abstracts: Automotive and City [illegible] tation]
Ref. zhur.: Avtom., telem. i vych. tekh. (16e)	Referativnyi zhurnal: Avtomatika, telemekhanika i vychislitel'naia tekhnika [Journal of Abstracts: Automatic Control, Remote Control, and Computer Technology]
Ref zhur. Biol. (13c)	Referativnyi zhurnal Biologiia [Journal of Abstracts: Biology]
Ref zhur. Biol. khim. (13c)	Referativnyi zhurnal Biologicheskaia khimiia (Otdel'nyi vypusk 30f) [Journal of Abstracts: Biochemistry, Issue 30f)]
Ref. zhur.: Dvig. vnutr. sgor. (16g)	Referativnyi zhurnal Dvigateli vnutrennego sgoraniia (Otdel'nyi vypusk 39) [Journal of Abstracts: Internal Combustion Engines (Separate Issue 39)]
Ref. zhur.: Elektrotekh. i energ. (16e)	Referativnyi zhurnal. Elektrotekhnika i energetika [Journal of Abstracts. Electrical Engineering and Electric Power]
Ref. zhur.: Farm. Toks. (14f)	Referativnyi zhurnal: Farmakologiia. Toksikologiia (Otdel'nyi vypusk 54) [Journal of Abstracts: Pharmacology and Toxicology (Separate Issue 54)]
Ref. zhur.: Fiz. (13f)	Referativnyi zhurnal: Fizika [Journal of Abstracts: [illegible]]
Ref. zhur.: Geod. (13b)	Referativnyi zhurnal: Geodeziia (Otdel'nyi vypusk [illegible]) [Journal of Abstracts: Geodesy (Separate Issue [illegible])]
Ref. zhur.: Geog. (12b)	Referativnyi zhurnal: Geografiia [Journal of Abstracts: Geography]
Ref. zhur.: Geol. (12c)	Referativnyi zhurnal: Geologiia [Journal of Abstracts: Geology]
Ref. zhur. Gor. delo (18h)	Referativnyi zhurnal: Gornoe delo [Journal of Abstracts: Mining]
Ref. zhur. Gor., stroi. i dor. mashinostr. (16g)	Referativnyi zhurnal: Gornoe, stroitel'noe i dorozhnoe mashinostroenie (Otdel'nyi vypusk 43) [Journal of Abstracts: Manufacture of Mining Machinery, Construction Equipment, and Road Machinery (Separate Issue 43)]
Ref. zhur.: IAd. reak. (18e)	Referativnyi zhurnal: IAdernye reaktory (Otdel'nyi vypusk [illegible]) [Journal of Abstracts: Nuclear Reactors (Separate Issue 50)]
Ref. zhur., Khim. (13d)	Referativnyi zhurnal: Khimiia [Journal of Abstracts: Chemistry]
Ref. zhur.: Khim. i khol. mashinostr. (16c)	Referativnyi zhurnal: Khimicheskoe i kholodil'noe mashinostroenie (Otdel'nyi vypusk 47) [Journal of Abstracts: Chemical and Refrigeration Machinery Manufacture (Separate Issue 47)]
Ref. zhur. Kommun., byt. i torg. obor. (16g)	Referativnyi zhurnal: Kommunal'noe, bytovoe i torgovoe oborudovanie (Otdel'nyi vypusk 33) [Journal of Abstracts: Communal, Household, and Commercial Equipment (Separate Issue 33)]
Ref. zhur.: Kotlostroenie (16g)	Referativnyi zhurnal: Kotlostroenie (Otdel'nyi vypusk [illegible]) [Journal of Abstracts: Boiler Manufacture (Separate Issue 42)]
Ref. zhur.: Leg. prom. (16f)	Referativnyi zhurnal: Legkaia promyshlennost' [illegible] Abstracts: Light Industry]
Ref. zhur.: Mashinostroit. mat., konstr. i rasch. det. mash. (16g)	Referativnyi zhurnal: Mashinostroitel'nye materialy, konstruktsii i raschet detalei mashin (Otdel'nyi vypusk [illegible]) [Journal of Abstracts: Materials for Machinery Manufacture and the Design of Machine Parts (Separate Issue 48)]
Ref. zhur.: Mat. (13e)	Referativnyi zhurnal: Matematika [Journal of Abstracts: Mathematics]
Ref. zhur.: Med. geog. (14a)	Referativnyi zhurnal. Meditsinskaia geografiia (Otdel'nyi vypusk 36) [Journal of Abstracts: Medical Geography (Separate Issue 36)]
Ref. zhur.: Met. (16h)	Referativnyi zhurnal: Metallurgiia [Journal of Abstracts: Metallurgy]
Ref. zhur.: Metr. i izm. tekh. (16a)	Referativnyi zhurnal: Metrologiia i izmeritel'naia tekhnika (Otdel'nyi vypusk 32) [Journal of Abstracts: Metrology and Measurement Techniques (Separate Issue 32)]

Ref. zhur.: Ob. vop. pat. Onk. (14c)	Referativnyi zhurnal Obshchie voprosy patologii. Onkologiia (Otdel'nyi vypusk 53) [Journal of Abstracts. General Problems of Pathology. Oncology (Separate *Issue 53*)]
Ref. zhur.: Pishch. mashinostr. (16k)	*Referativnyi zhurnal: Pishchevoe* mashinostroenie (Otdel'nyi vypusk 38) [Journal of Abstracts Food Machinery Manufacture (Separate Issue 38)]
Ref. zhur.: Pochv. (15a)	Referativnyi zhurnal: Pochvovedenie (Otdel'nyi vypusk 57) [Journal of Abstracts Soil Science (Separate Issue 57)]
Ref. zhur. Prom. transp. (16g)	Referativnyi zhurnal Promyshlennyi transport [Journal of Abstracts. Industrial Transportation]
Ref. zhur.: Radiotekh. i elektrosviaz'	Referativnyi zhurnal: Radiotekhnika i elektrosviaz' [Journal *of Abstracts Radio* Engineering and Telecommunication]
Ref. zhur.: Tekh. mashinostr. (16g)	Referativnyi zhurnal Tekhnologiia mashinostroeniia [Journal of Abstracts. Technology of Machinery Manufacture]
Ref. zhur.: Teploenerg. (16g)	Referativnyi zhurnal: Teploenergetika [Journal of Abstracts Heat Engineering]
Ref. zhur. Tech. mekh., opt. i isp. app. (16g)	Referativnyi zhurnal: Tochnaia mekhanika, optika i ispytatel'naia apparatura (Otdel'nyi vypusk 40) [Journal of Abstracts: Precision Mechanics, Optics, and Testing Apparatus (Separate Issue 40)]
Ref. zhur.: Trakt. i sel'khoz. mash. i orud. (16g)	Referativnyi zhurnal Traktory i sel'skokhoziaistvennye mashiny i orudiia (Otdel'nyi vypusk 44) [Journal of Abstracts: Tractors and Agricultural Machinery and Equipment (Special Issue 44)]
Ref. zhur. Trub. transp. (16g)	Referativnyi zhurnal. Truboprovodnyi transport (Otdel'nyi vypusk 45) [Journal of Abstracts' Pipeline Transportation (Separate Issue 45)]
Ref. zhur. Turbostr. (16g)	Referativnyi zhurnal: Turbostroenie (Otdel'nyi vypusk 49) [Journal of Abstracts: Turbine Manufacture (Separate Issue 49)]
Ref. zhur.: Vod. transp. (17b)	Referativnyi zhurnal: Vodnyi transport [Journal of Abstracts. Water Transportation]
Ref. zhur.: Vop. tekh. prog. i org. proizv. v mashinostr. (16g)	Referativnyi zhurnal: Voprosy tekhnicheskogo progressa i organizatsii proizvodstva v mashinostroenii (Otdel'nyi vypusk 35) [Journal of Abstracts: Problems of Technological Progress and the Organization of Production in the Machinery Industry (Separate Issue 35)]
Ref. zhur.: Vzaimodeist. raz. vid. transp. i kont. perev. (16g)	Referativnyi zhurnal: Vzaimodeistvie raznykh vidov transporta i kontteinernye perevozki (Otdel'nyi vypusk 31) [Journal of Abstracts: Container Shipments and the Interaction of Various Types of Transportation (Separate Issue 31)]
Ref. zhur.: Zhel. dor. transp. (16g)	Referativnyi zhurnal: Zheleznodorozhnyi transport [Journal of Abstracts: Railroad Transportation]
Ref. zhur.: Zhiv. Vet. (15b)	Referativnyi zhurnal: Zhivotnovodstvo. Veterinariia (Otdel'nyi vypusk 58) [Journal of Abstracts: Animal Husbandry. Veterinary Medicine (Separate Issue 58)]
Sakh. prom. (16c)	Sakharnaia promyshlennost' [Sugar Industry]
Sbor. mat. po obm. opyt. NIUIF (16c)	↓Moscow. Nauchnyi institut po udobreniiam i insektofungitsidam. Sbornik materialov po obmenu opytom [Scientific Institute for Fertilizers and Insectofungicides. Materials of Exchange of Experience]
Sbor. Novo-Kram. mashinostroit. zav. (16g)	↓Novo-Kramatorskii mashinostroitel'nyi zavod, Kramatorsk. Sbornik [Novo-Kramatorsk Machinery Manufacturing Plant. Papers]
Sbor. rab. GOSNITI (16g)	Perovo. Gosudarstvennyi soiuznyi nauchno-issledovatel'skii tekhnologicheskii institut remonta i eksploatatsii mashinno-traktornogo parka. Sbornik rabot [All-Union State Technological Research Institute for the Repair and Utilization of Tractors and Agricultural Machinery. Papers]
Sbor. st. po paleont. i biostrat. (12c)	Leningrad. Nauchno-issledovatel'skii institut geologii Arktiki. Sbornik statei po paleontologii i biostratigrafii [Scientific Research Institute of Arctic Geology Papers on Paleontology and Biostratigraphy]
Sbor. trud. LIIZHT (16d)	Leningrad. Institut inzhenerov zheleznodorozhnogo transporta. Sbornik trudov [Institute of Railroad Transportation Engineers. Papers]
[Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. (14h)	↓Lvov. Nauchno-issledovatel'skii institut perelivaniia krovi i neotlozhnoi khirurgii. (Sbornik trudov) [Scientific Research Institute for Blood Transfusion and Emergency Surgery. (Papers)]
Sbor. trud. NII mostov (16d)	Leningrad. Nauchno-issledovatel'skii institut mostov. Sbornik trudov [Scientific Research Institute of Bridges. Papers]
Sbor. trud NIIGS (16c)	↓Leningrad. Gosudarstvennyi nauchno-issledovatel'skii institut gidroliznoi i sul'fitno-spirtovoi promyshlennosti. Sbornik trudov [State Scientific Research Institute of the Hydrolytic, Sulfite, and Alcohol Industry Papers]
Sbor trud RIIZHT (16g)	Rostov-on-Don. Institut inzhenerov zheleznodorozhnogo transporta. Sbornik trudov [Institute of Engineers of Railroad Transportation Papers]
Sbor. trud. *TSNIICHM* (16h)	Moscow. TSentral'nyi nauchno-issledovatel'skii institut chernoi metallurgii. Sbornik trudov [Central Scientific Research Institute of Ferrous Metallurgy Papers]
Sbor. trud. VNIIstrom-masha (16g)	↓Vsesoiuznyi nauchno-issledovatel'skii institut po mashinam dlia promyshlennosti stroitel'nykh materialov. Sbornik trudov [All-Union Scientific Research Institute on Machinery for the Building Materials Industry. Papers]
Sel'. mekh. (15a)	Sel'skii mekhanizator [The Rural Mechanic]
Ser. III: Nov. mash., obor. i sred. avtomatiz. (16g)	↓Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. Seriia III: Novye mashiny, oborudovanie i sredstva avtomatizatsii [Central Institute for Scientific and Technical Information on Automation and Machinery Manufacture. Series III New Machinery, Equipment, and the Means of Automation]
Ser. VI: Nov. mat. (16g)	↓Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. Seriia VI: Novye materialy [Central Institute for Scientific and Technical Information on Automation and Machinery Manufacture. Series VI New Materials]
Ser. VII: Ekon. i spets. mashinostr. Org. proizv. (16g)	↓Mosco[illegible] info[illegible] Seri[illegible] stro[illegible] [illegible] ititute for [illegible] ation and Machinery Manufacture. Series VII. Economics of and Specialization in Machinery Manufacture. Organization of Production]
Shvein prom. (16f)	Shveinaia promyshlennost' [Clothing Industry]
Sib. mat. zhur. (13e)	Sibirskii matematicheskii zhurnal [Siberian Mathematical Journal]
Sil'. bud. (16d)	Sil'ske budivnytstvo [Rural Construction]
Slav. filol. [Mosk. un.] (11a)	Slavianskaia filologiia [Slavic Philology]
Smena (5e)	*Smena* [The Younger Generation]
Soob. po vych. mat (13e)	Akademiia nauk SSSR Vychislitel'nyi tsentr. Soobshcheniia po vychislitel'noi matematike [Academy of Sciences of the U. S. S. R. Computation Center Reports on Computer *Mathematics*]
Soob VTSNILKR (16a)	Moscow. Vsesoiuznaia tsentral'naia nauchno-issledovatel'skaia laboratoriia po konservatsii i restavratsii muzeinykh khudozhestvennykh tsennostei. Soobshcheniia [All-Union Central Scientific Research Laboratory on the Conservation and Restoration of Museum Art Treasures. Reports]
Sots. obesp. (5e)	Sotsial'noe obespechenie [Social Security]
Sots. trud (5d)	Sotsialisticheskii trud [Socialist Labor]
Sots. zakon. (7)	Sotsialisticheskaia zakonnost' [Socialist Legality]
Sov. arkheol. (4b)	Sovetskaia arkheologiia [Soviet Archaeology]
Sov. etn. (12a)	Sovetskaia etnografiia [Soviet Ethnography]
Sov. foto (10a)	Sovetskoe foto [The Soviet Photograph]
Sov. geol. (12c)	Sovetskaia geologiia [Soviet Geology]
Sov. iust. (7)	Sovetskaia iustitsiia [Soviet Justice]
Sov. pech. (11b)	Sovetskaia pechat' [Soviet Press]
Sov. pedag. (8a)	Sovetskaia pedagogika [Soviet Pedagogy]
Sov. potreb koop. (5a)	Sovetskaia potrebitel'skaia kooperatsiia [Soviet Consumer Cooperation]
Sov. profsoiuzy (5d)	Sovetskie profsoiuzy [Soviet Trade Unions]
Sov. Soiuz (1b)	Sovetskii Soiuz [Soviet Union]
Sov. torg. (5a)	Sovetskaia torgovlia [Soviet Commerce]
Sov. voin (17a)	Sovetskii voin [Soviet Soldier]
Sov. zdrav. (14a)	Sovetskoe zdravookhranenie [Soviet Health Service]

726-081 O - 64 - 11

Sovr. Mong. (1b)	Sovremennaia Mongoliia [Contemporary Mongolia]
Spirt. prom. (16c)	Spirtovaia promyshlennost' [Distilling Industry]
Sred. spets. obr (8a)	Srednee spetsial'noe obrazovanie [Secondary Specialized Education]
Stan i instr (16g)	Stanki i instrument [Machine Tools and Their Cutting Tools]
Stand. i tip. prog dlia mash. "Ural" (13e)	Akademiia nauk SSSR Vychislitel'nyi tsentr. Standartnye i tipovye programmy dlia mashin "Ural" [Academy of Sciences of the U S.S.R Computation Center Standard programs for the "Ural" Computers]
Standartizatsiia (16a)	Standartizatsiia [Standardization]
Strol. i arkhit. Len. (10b)	Stroitel'stvo i arkhitektura Leningrada [Construction and Architecture in Leningrad]
Strol. i arkhit. Mosk. (10b)	Stroitel'stvo i arkhitektura Moskvy [Construction and Architecture in Moscow]
Strol. i dor. mash. (16g)	Stroitel'nye i dorozhnye mashiny [Road and Construction Machinery]
Strol mekh. i rasch soor (16d)	Stroitel'naia mekhanika i raschet sooruzhenii [Structural Mechanics and Construction Calculations]
Sud -med. ekspert (14a)	Sudebno-meditsinskaia ekspertiza [Forensic Medicine Expertise]
Sudostroenie (17b)	Sudostroenie [Shipbuilding]
Svar. proizv. (16f)	Svarochnoe proizvodstvo [Welding Practice]
Svetotekhnika (16e)	Svetotekhnika [Lighting Engineering]
Tekh kino i telev. (9a)	Tekhnika kino i televidenila [Motion-Picture and Television Engineering]
Tekh. mol. (16a)	Tekhnika - molodezhi [Technology for Youth]
Tekh. v sel'khoz. (15a)	Tekhnika v sel'skom khoziaistve [Machinery in Agriculture]
Teor. i prak. stom. (14h)	†Teoriia i praktika stomatologii [Theory and Practice of Stomatology]
Terap. arkh. (14e)	Terapevticheskii arkhiv [Therapeutic Archives]
Torf prom. (16h)	Torfianaia promyshlennost' [Peat Industry]
Torg za rub (5a)	Torgovlia za rubezhom [Trade Abroad]
Transp. strol. (16d)	Transportnoe stroitel stvo [Construction for the Transportation Industry]
Trudy AANII (12b)	Leningrad. Arkticheskii i antarkticheskii nauchno-issledovatel'skii Institut Trudy [Arctic and Antarctic Scientific Research Institute. Transactions]
Trudy GGI (12b)	Leningrad. Gosudarstvennyi gidrologicheskii institut. Trudy [State Hydrological Institute. Transactions]
Trudy GGO (13f)	Leningrad. Glavnaia geofizicheskaia observatoriia. Trudy [Main Geophysical Observatory. Transactions]
Trudy GPI (16a)	Gorkiy. Politekhnicheskii institut. Trudy [Polytechnic Institute. Transactions]
	Akutskii filial, Yakutsk. Trudy idemy of Sciences of the Transactions. Geological
Trudy IGEM (12c)	Akademiia nauk SSSR. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy [Academy of Sciences of the U.S.S.R. Institute of the Geology of Ore Deposits, Petrology, Mineralogy, and Geochemistry. Transactions]
Trudy IMGRE (12c)	Akademiia nauk SSSR. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. Trudy [Academy of Sciences of the U.S.S.R. Institute of the Mineralogy, Geochemistry, and Crystallochemistry of Rare Elements. Transactions]
Trudy Inst. filos. i prava AN Kazakh. SSR (3a)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut filosofii i prava. Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of Philosophy and Law. *Transactions*]
Trudy Inst. geol. IAFAN SSSR (12c)	† Akademiia nauk SSSR. IAkutskii filial, Yakutsk. Institut geologii. Trudy [Academy of Sciences of the U. S. S. R. Yakut Branch. Institute of Geology. Transactions]
Trudy Inst. geol. *nauk AN URSR. ser. strat. i paleont.* (12c)	Akademiia nauk URSR, Kiev. Instytut geologichnykh nauk. Trudy. Seriia stratigrafii i paleontologii [Academy of Sciences of the Ukrainian S. S. R. Institute of Geological Sciences. Transactions. Stratigraphical and Paleontological Series]
Trudy Inst. geol. UFAN SSSR (12c)	†Akademiia nauk SSSR. Ural'skii filial. Sverdlovsk. Institut geologii. Trudy [Academy of Sciences of the U. S. S. R. Ural Branch. Institute of Geology. Transactions]
Trudy Inst. gig truda i prof. zab. AMN SSSR (14g)	Akademiia meditsinskikh nauk SSSR, Moscow. Institut gigieny truda i professional'nykh zabolevanii. Trudy [Academy of Medical Sciences of the U. S. S. R. Institute of Labor Hygiene and Occupational Diseases. Transactions]
Trudy Inst ist AN Tadzh. SSR (4a)	Akademiia nauk Tadzhikskoi SSR, Dushanbe. Institut istorii Trudy [Academy of Sciences of the Tajik S. S. R. Institute of History. Transactions]
Trudy Inst ist., arkheol. i etn. AN Turk. SSR (4a)	Akademiia nauk Turkmenskoi SSR, Ashkhabad. Institut istorii, arkheologii i etnografii. Trudy [Academy of Sciences of the Turkmen S. S. R. Institute of History, Archaeology, and Ethnology. *Transactions*]
Trudy Inst mikrobiol i virus. AN Kazakh. SSR (13c)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. *Institut mikrobiologii i virusologii* Trudy [Academy of Sciences of the Kazakh S. S. R. Institute of Microbiology and Virology. Transactions]
Trudy Inst. norm. i pat. fiziol. AMN SSSR (14e)	Akademiia meditsinskikh nauk SSSR, Moscow. Institut normal'noi i patologicheskoi fiziologii. Trudy [Academy of Medical Sciences of the U. S. S. R. Institute of Normal and Pathological Physiology. Transactions]
Trudy Inst. onk. AMN SSSR (14a)	Akademiia meditsinskikh nauk SSSR, Moscow. Institut onkologii Trudy [Academy of Medical Sciences of the U S.S.R. Institute of Oncology. Transactions]
Trudy Inst. pochv. AN Kazakh. SSR (15a)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut pochvovedeniia. Trudy [Academy of Sciences of the Kazakh S. S. R. Institute of Soil Science. Transactions]
Trudy Khab. med. inst (14a)	Khabarovsk. Meditsinskii institut. Trudy [Medical Institute. Transactions]
Trudy LKI (17b)	Leningrad. Korabiestroitel'nyi institut. Trudy [Shipbuilding Institute. Transactions]
Trudy Len. ob-va est. (13c)	Leningradskoe obshchestvo estestvoispytatelei Trudy [Leningrad Naturalists' Society. Transactions]
Trudy MATI (16b)	Moscow. Aviatsionnyi tekhnologicheskii institut. Trudy [Technological Institute of Aeronautics. Transactions]
Trudy MIIT (16g)	Moscow. Moskovskii institut inzhenerov zheleznodorozhnogo transporta. Trudy [Moscow Institute of Engineers of Railroad Transportation Transactions]
Trudy MIIZ (15a)	Moscow. Institut inzhenerov zemleustroistva. Trudy [Institute of Land Utilization Engineers. Transactions]
Trudy MKHTI (16c)	Moscow. Khimiko-tekhnologicheskii institut. Trudy [Institute of Chemical Technology. Transactions]
Trudy Mosk. fil. VNIITP (16h)	† Leningrad. Vsesoiuznyi nauchno-issledovatel'skii institut torfianoi promyshlennosti. Moskovskii filial. Trudy [All-Union Scientific Research Institute of the Peat Industry. Moscow Branch. Transactions]
Trudy NIIAK (13f)	Moscow. Nauchno-issledovatel'skii institut aerokliniatologii Trudy [Scientific Research Institute of Aeroclimatology. Transactions]
Trudy NIIasbest (16h)	†Nauchno-issledovatel'skii institut asbestovoi promyshlennosti. Trudy [Scientific Research Institute of the Asbestos Industry. Transactions]
Trudy NIISZHIMSa (16c)	†Nauchno-issledovatel'skii institut sinteticheskikh zhirozamenitelei i moiushchikh sredstv. Trudy [Scientific Research Institute of Synthetic Fat Substitutes and Detergents. Transactions]
Trudy NIKFI (16c)	Moscow. Nauchno-issledovatel'skii kinofotoinstitut. Trudy [Scientific Research Institute of Motion Pictures and Photography. Transactions]
Trudy Od. tekh. inst. (16a)	†Odessa. Tekhnologichnyi instytut. Trudy [Technological Institute. Transactions]
Trudy Otd. ekon. AN Tadzh. SSR (5b)	† Akademiia nauk Tadzhikskoi SSR, Dushanbe. Otdel ekonomiki. Trudy [Academy of Sciences of the Tajik S. S. R. Department of Economics. Transactions]
Trudy po nov. app. i metod. (14a)	†Trudy po novoi apparature i metodikam [Works on New Apparatus and Methodology]
Trudy SNIIGGIMS (12c)	Sibirskii nauchno-issledovatel'skii institut geologii, geofiziki i mineral'nogo syr'ia. Trudy [Siberian Scientific Research Institute of Geology, Geophysics, and Mineral Resources. Transactions]
Trudy STI (16g)	† Krasnoyarsk. Sibirskii tekhnologicheskii institut. Trudy [Siberian Technological Institute. Transactions]
Trudy Sem. po teor. diff. urav. s otklon. arg. (13e)	† Moscow. Universitet druzhby narodov. Seminar po teorii differentsial'nykh uravnenii s otklonyaiushchimsia argumentom. Trudy [University of the Peoples' Friendship. Seminar on the Theory of Differential Equations with Deviating Argument. Transactions]

Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR (12b)	‡Akademiia nauk SSSR *Institut merzlotovedeniia*. Severo-Vostochnoe otdelenie. Trudy [Academy of Sciences of the U. S. S. R. Permafrost Institute. Northeastern Department. Transactions]
Trudy TSAO (13f)	TSentral'naia aerologicheskaia observatoriia. Trudy [Central Aerological Observatory. Transactions]
Trudy TSIP (13f)	Moscow. TSentral'nyi institut prognozov. Trudy [Central Weather Institute. Transactions]
Trudy TSNIIKPP (16c)	Moscow. TSentral'nyi nauchno-issledovatel'skii *institut* krakhmalo-patochnoi promyshlennosti. Trudy [Central Scientific Research Institute of the Starch and Syrup Industry. Transactions]
Trudy TSNIIMF (17b)	Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. Trudy [Central Scientific Research Institute of the Merchant Marine. Transactions]
Trudy Ukr. nauch.-issl. inst. ortop. i travm. (14h)	‡Ukrainskii nauchno-issledovatel'skii institut ortopedii i travmatologii. Trudy [Ukrainian Scientific Research Institute of Orthopedics and Traumatology. Transactions]
Trudy Ural. politekh. inst. (16a)	Sverdlovsk. Ural'skii politekhnicheskii institut. Trudy [Ural Polytechnic Institute. Transactions]
Trudy VNIGRI (12c)	Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy [All-Union Petroleum (Scientific Research) Geological Prospecting Institute. Transactions]
Trudy VNIGRI, Geokhim. sbor. (12c)	‡Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy. Geokhimicheskii sbornik [All-Union Petroleum (Scientific Research) Geological Prospecting Institute. Transactions. Geochemical Papers]
Trudy VNIIAvtogen (16h)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut avtogennoi obrabotki metallov. Trudy [All-Union Scientific Research Institute of Autogenous Working of Metals. Transactions]
Trudy VNIIE (16e)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut elektroenergetiki. Trudy [All-Union Scientific Research Institute of Electric Power Engineering. Transactions]
Trudy VNII-Gidrouglia (16h)	‡Novokuznetsk. Vsesoiuznyi nauchno-issledovatel'skii i proektno-konstruktorskii institut dobychi uglia gidravlicheskim sposobom. Trudy [All-Union Scientific Research and Design Institute for the Hydraulic Mining of Coal. Transactions]
Trudy VNIIST (16g)	‡Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut po stroitel'stvu magistral'nykh truboprovodov. Trudy [All-Union Scientific Research Institute for the Construction of Pipelines. Transactions]
Trudy VNIIZ (16d)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zerna i produktov ego pererabotki. Trudy [All-Union Scientific Research Institute of Grain and Grain Products. *Transactions*]
Trudy VNIMI [Mol.] (16b)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut molochnoi promyshlennosti. Trudy [All-Union Scientific Research Institute of the Dairy Industry. Transactions]
Trudy Vor. med. inst. (14a)	‡Voronezh. Meditsinskii institut. Trudy [Medical Institute. Transactions]
TSvet. met. (16h)	TSvetnye metally [Nonferrous Metals]
Uch. zap. Mord. gos. un. (1a)	Saransk. Mordovskii gosudarstvennyi universitet. Uchenye zapiski [Mordvinian State University. Studies]
Uch. zap. Orekh.-Zuev. ped. inst. (1a)	Orekhovo-Zuyevo. Pedagogicheskii institut. Uchenye zapiski [Pedagogical Institute. Studies]
Uch. zap. Petrozav. gos. un. (1a)	Petrozavodsk. Universitet. Uchenye zapiski [University. Studies]
Uchet i fin. v kolkhoz. i sovkhoz. (6b)	Uchet i finansy v kolkhozakh i sovkhozakh [Accounting and Finance on Collective and State Farms]
Ukr. khim. zhur. (13d)	Ukrainskii khimicheskii zhurnal [Ukrainian Chemical Journal]
Ukr. mat. zhur. (13e)	Ukrainskii matematicheskii zhurnal [Ukrainian Mathematical Journal]
Ukr. mova i lit. v shkoli (11a)	Ukraina'ka mova i literatura v shkoli [Ukrainian Language and Literature in Schools]
Ukraina (1b)	Ukraina [The Ukraine]
Usp. fiz. nauk (13f)	Uspekhi fizicheskikh nauk [Progress in the Physical Sciences]
Usp. khim. (13d)	Uspekhi khimii [Progress in Chemistry]
Usp. mat. nauk (13e)	Uspekhi matematicheskikh nauk [Progress in the Mathematical Sciences]
V miro knig (2a)	V miro knig [In the World of Books]
Ved. Verkh. Sov. SSSR (6)	Russia (1923- U. S. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Vest. derm. i ven. (14i)	Vestnik dermatologii i venerologii [Review of Dermatology and Venereology]
Vest. khir. (14h)	Vestnik khirurgii [Review of Surgery]
Vest. LGU (1a)	Leningrad. Universitet. Vestnik [University. Review]
Vest. Mosk. un. Ser. 6: Biol., pochv. (13c)	Moscow. Universitet. Vestnik. Seriia 6: Biologiia, pochvovedenie [University. Review. Series 6: Biology, Soil Science]
Vest. Mosk. un. Ser. 8 Ekon., filos. (5b)	Moscow. Universitet. Vestnik. Seriia 8 Ekonomika, filosofiia [University. Review. Series 8 Economics Philosophy]
Vest. Mosk. un. Ser. 9 Ist. (4a)	Moscow. Universitet. Vestnik. Seriia 9 Istoriia [*University. Review. Series 9* History]
Vest. rent i rad. (14a)	Vestnik rentgenologii i radiologii [Review of Roentgenology and Radiology]
Vest. sel'khoz. nauki (15a)	Vestnik sel'skokhoziaistvennoi nauki [Review of Agricultural Science]
Vest. sel'khoz. nauki [Kazakh.] (15a)	Vestnik sel'skokhoziaistvennoi nauki [Review of Agricultural Science]. Kazakhstan.
Vest. sviazi (16e)	Vestnik sviazi [Communications Review]
Vest. TSNII MPS (16g)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Vestnik [All-Union Scientific Research Institute of Railroad Transportation. Journal]
Vest. vys. shkoly (8a)	Vestnik vysshei shkoly [Review of Schools for Higher Education]
Voen.-ist. zhur. (4a)	Voenno-istoricheskii zhurnal [Military History Journal]
Voen. vest. (17a)	Voennyi vestnik [Military Review]
Vokrug sveta (12b)	Vokrug sveta [Around the World]
Volog. krai (12b)	Vologodskii krai [Vologda Region]
Vop. bor'. s sil. v Sib. (14g)	‡Voprosy bor'by s silikozom v Sibiri [Problems in the Control of Silicosis in Siberia]
Vop. ekon. (5b)	Voprosy ekonomiki [Problems of Economics]
Vop. elektropat., elektrotravm. i elektrobezop. (14e)	Voprosy elektropatologii, elektrotravmatizma i elektrobezopasnosti [Problems of Electropathology, Electrotraumatism, and Electrical Safety Measures]
Vop. est. (3a)	Voprosy estetiki [Problems of Aesthetics]
Vop. ist. (4a)	Voprosy istorii [Problems of History]
Vop. kinoisk. (9a)	Voprosy kinoiskusstva [Problems in Cinema Art]
Vop. klin. pat. (14e)	Voprosy klinicheskoi patologii [Problems of Clinical Pathology]
Vop. lit. (11b)	Voprosy literatury [Problems of Literature]
Vop. onk. (14e)	Voprosy onkologii [Problems of Oncology]
Vop. pered. inform. (16e)	Voprosy peredachi informatsii [Problems in the Transmission of Information]
Vop. raket. tekh. (16b)	Voprosy raketnoi tekhniki; sbornik *perevodov i obzorov* inostrannoi periodicheskoi literatury [Problems of Rocket Engineering; Translations and Surveys of Foreign Periodical Literature]
Vop. virus. (13c)	Voprosy virusologii [Problems of Virology]
Vrach. delo (14a)	Vrachebnoe delo [Medical Practice]
Za bezop. dvizh. (16g)	Za bezopasnost' dvizhenia [For Traffic Safety]
Za tekh. prog. (16a)	Za tekhnicheskii progress [For Technological Progress]
Zap. Ural. otd. Geog. ob-va SSSR (12b)	‡Geograficheskoe obshchestvo SSSR. Ural'skii otdel. Zapiski [Geographical Society of the U. S. S. R. Ural Branch. Annals]
Zav. lab. (16h)	Zavodskaia laboratoriia [The Factory Laboratory]
Zdorov'e (14a)	Zdorov'e [Health]
Zdrav. Bel. (14a)	Zdravookhranenie Belorussii [Health Service of White Russia]
Zdravookhranenie (14a)	Zdravookhranenie [Health Service]
Zhel. dor. transp. (16g)	Zheleznodorozhnyi transport [Railroad Transportation]
Zhen. mira (5e)	Zhenshchiny mira [Women of the Whole World]
Zhur. anal. khim. (13d)	Zhurnal analiticheskoi khimii [Journal of Analytical Chemistry]
Zhur. eksp. i klin. med. (14a)	Zhurnal eksperimental'noi i klinicheskoi meditsiny [Journal of Experimental and Clinical Medicine]
Zhur. fiz. khim. (13d)	Zhurnal fizicheskoi khimii [Journal of Physical Chemistry]
Zhur. mod (16f)	Zhurnal mod [Fashion Magazine]
Zhur. tekh. fiz. (16a)	Zhurnal tekhnicheskoi fiziki [Journal of Technical Physics]
Znamia (11b)	Znamia [The Banner]
Znan.-sila (13a)	Znanie - sila [Knowledge is Power]
Znan. ta pratsia (13a)	Znannia ta pratsia [Knowledge and Work]
Zool. zhur. (13c)	Zoologicheskii zhurnal [Zoological Journal]
Zvezda (11b)	Zvezda [The Star]

ACTH

Effect of ACTH on adrenaline and noradrenaline excretion in the urine in myopathy [with summary in English]. E. A. Mathina, D. I. Shagal. Probl. endok. i gorm. 9 no. 5 66-70 S-O '63.

Effect of ACTH on the intestinal motility and its reflex regulation. V. R. Khodasevich. Trudy Khab. med. inst. 23 no. 2:41-43 '62.

Effect of the adrenocorticotropic hormone on the functional state of the neuromuscular apparatus. L. V. Turbina. Trudy Khab. med. inst. 23 no. 2:44-48 '62.

Effect of the adrenocorticotropic hormone on the reactivity of the vasomotor and respiratory centers of sensitized animals. L. V. Turbina. Trudy Khab. med. inst. 23 no. 2, 49-52 '62.

Functional state of the adrenal cortex in Botkin's disease. O. K. Myshkina. Kaz. med. zhur. no. 5:42-43 S-O '63.

Hormone therapy of acute and subacute nonsuppurative thyroiditis and strumitis [with summary in English]. V. R. Khachko, I. I. Stefienkova. Klin. med. 41 no. 7: 104-107 Jl '63.

Use of ACTH and prednisolone in diseases of the nervous system. M. M. Babich. Vrach. delo no. 11 149 N '63

ABASTUMANI—HEALTH RESORTS, WATERING PLACES, ETC.

Prolonged treatment of pulmonary tuberculosis in the mountain resort of Abastumani. A. I. Nodiia. Probl. tub. 40 no. 6 95-96 '62.

ABBREVIATIONS, RUSSIAN—DICTIONARIES

Alekseev, D. I., I. G. Gozman, and G. V. Sakharov, comps. [Dictionary of Russian abbreviations. 12,500 abbreviations] Slovar' sokrashchenii russkogo iazyka, 12 500 sokrashchenii. Pod obshchei red. B. F. Koritskogo. Moskva, Gos. izd-vo inostr. i natsional'nykh slovarei, 1963. 486 p.

ABDOMEN

Diagnostic value of laparoscopy [with summary in English]. N. N. Khar'kovskii. Klin. med. 41 no. 7 71-76 Jl '63.

ABDOMEN—SURGERY

Belt for patients following surgery on the abdominal cavity. K. P. Pozdeeva. Med. sestra 22 no. 10 52-53 O '63.

Intraintestinal introduction of antibiotics in laparotomy; preliminary report [with summary in English]. A. M. Betanch, D. A. Khakhiashvili. Klin. med. 41 no. 7. 83-85 Jl '63.

The use of porolon for plastic surgery of the anterior abdominal wall [with summary in English]. I. S. Vasilenko. Vest. khir. 91 no. 7:51-52 Jl '63

...nterior abdominal
...rad. 38 no. 5.

...ristics of tumors of
Vop. klin. pat.

...-perineal region.
...:121-123 Je '63.

...is of renal and
Vop. klin. pat.

...ineture in trans-
...n English]. Vest.

...e kidneys in tempo-
...rta, preliminary
...enie 6 no. 5:32-

...he roentgenological
V. F. Vil'khovoi.

ABERRATION

Aberration of a magnetic spectrometer with circular outline. N. G. Afanas'ev, A. V. Vysotskaia, V. A. Golfdshtein. Prib. i tekh. eksp. 8 no 5:34-39 S-O '63

The constant of aberration and solar parallax [with summary in English]. A. A. Mikhailov. Astron. zhur. 40 no. 6, 961-964 N-D '63.

ABGARIAN, STEPANOS

Stepanos Abgarianis "Booklet called the beginning of natural sciences." A. K. Tovmasian. Iz ist. est. i tekh. 1 21-39 '60.

ABIETIC ACID

Low-temperature catalytic conversions of organic compounds on clays. Report No 5: Conversion of abietic acid. A. I. Bogomolov, K. I. Panina. Trudy VNIGRI no. 212, Geokhim. sbor. no. 5. 77-86 '63

ABILITY—TESTING

Manners of the "free world": The secret of success. V. G. Nov. vrem. 21 no. 50:29 D '63.

ABORTION

Diagnosis and therapy of some forms of amenorrhea [with summary in English]. M. N. Skorniakova. Akush. i gin. 39 no. 4:29-33 Jl-Ag '63.

Results of the use of the artificial kidney apparatus in acute renal insufficiency following a septic abortion. A. N. Tetradov and others. Zdravookhranenie 6 no. 5 26-31 S-O '63.

ABORTION—COMPLICATIONS AND SEQUELAE

Immediate and late results in artificial abortion. O. V. Osadchaia. Zdrav. Bel. 9 no 3 59-61 Mr '63

Septicopyemia following a criminal abortion. A. A. Nikol'skaia. Fel'd i akush. 28 no 8:32-35 Ag '63

ABRASION

Effect of abrasion particles on the isothermal coefficient of dry friction of metals in the air. A. M. Zuev. Izv. vys. ucheb. zav., fiz. no. 5:171-172 '63.

ABSORPTION (PHYSIOLOGY)

Sorption capacity of different organs in chronic poisoning by carbon monoxide [with summary in English]. B. M. Shtabskii. Vrach. delo no. 11:100-104 N '63.

ABSORPTION OF LIGHT

Absorption in silicon alloyed with zinc. B. V. Kornilov. Fiz. tver. tela 5 no. 11:3305-3311 N '63.

ABSORPTION OF SOUND

"Gigantic" quantum oscillations of the coefficient of sound absorption in bismuth. A. P. Koroliuk. Fiz. tver. tela 5 no. 11:3323-3324 N '63.

Temperature dependence of sound absorption in a relaxation liquid. B. B. Kudriavtsev, K. P. Nikonov. Zhur. fiz. khim. 37 no. 9:2112-2144 S '63.

Theory of sound absorption in solids. M. I. Kaganov, V. G. Peschanskii. Fiz. tver. tela 5 no. 11:3216-3223 N '63.

ABSORPTION SPECTRA

Geochemical characteristics of petroleums in the Timan-Pechora area based on infrared absorption spectra. S. S. Geiro. Trudy VNIGRI no. 212, Geokhim. sbor. no. 6, 138-161 '63.

ABSTRACT ART see Art, Abstract

ACADEMIC DISSERTATIONS see Dissertations, Academic

ACADEMY OF SCIENCES OF THE U. S. S. R.

From the Scientific Advisory Board on chemical thermodynamics at the Institute of General and Inorganic Chemistry of the Academy of Sciences of the U. S. S. R. IA. I. Gerasimov. Zhur. fiz. khim. 37 no. 9:2145 S '63.

ACADEMY OF SCIENCES OF THE UZBEK S. S. R.—BIBLIOGRAPHY see Bibliography—Academy of Sciences of the Uzbek S. S. R.

ACANTHODII

Subphylum Vertebrata: Class Acanthodii. D. V. Obruchev. Trudy SNIIGGIMS no. 21:212 '62.

ACCELERATION (MECHANICS)

Apparatus for the determination of free fall ...
K. S. Zhigalov. Fiz. v shkole 23 no. 3 ... '63.

ACCIDENTS—PREVENTION

Nonindustrial traumatism and the role of ... in their prevention. L. L. Rodnianskii. ... travm. i protez. 24 no. 6:39-42 Je '63.

ACCLIMATIZATION

(see also subdivision under Russia, Northern, Vostok Station, Antarctica)

Systematic position and evolutionary role of ... developing in the acclimatization of animals [with summary in English]. L. V. Shaposhnikov. Zool. ... no. 10, 14 16-1452 '63.

ACCOMPLICES

Complicity in the preparation of a crime and in ... tempt to commit it. U. L. Kohiashvili. ... zav., prav. 7 no. 3:148-154 '63.

ACCOUNTING

(see also subdivision under Middle Ural ... region)

"The ABC of accounting" by I. Seslavinskii. ... by M. Dubrovner. Bukhg. uchet 20 no. ... '63.

Accounting and operational economic analysis. ... uchet 20 no. 10 68-69 O '63.

Accounting for equipment modernization expe... V. Ivashkevich. Bukhg. uchet 20 no. ... '63.

Accounting for industrial wastes. A. Kopelik ... zen. Bukhg. uchet 20 no. 10:42-14 O '63.

Accounting for industrial wastes. N. Barar ... uchet 20 no. 5:19-21 My '63.

Efficiency conditions of daily accounting. V. ... Bukhg. uchet 20 no. 10:38-11 O '63.

Improve the accounting for losses due to waste. ... ler. Bukhg. uchet 20 no. 10:65-66 O '63.

Improve the accounting for rejects in produc... V. Chaikin. Bukhg. uchet 20 no. 5:13-19 ...

In the methodological council. Bukhg. uchet ... 76-79 N '63.

Karakoz, I. I. [Daily economic analysis of the work of enterprises] Ezhednevnyi ekonomicheskii analiz ... predpriiatii. Moskva, Gosfinizdat, 1963. 84 ...

Methods for perfecting business accounting. ... Polit. samoobr. 7 no. 8:51-56 Ag '63.

Review of newspapers. Bukhg. uchet 20 ... My '63.

Review of newspapers. Bukhg. uchet 20 ... '63.

Review of newspapers. Bukhg. uchet 20 ... '63.

A review of newspapers. Bukhg. uchet 20 ... N '63

Textbook on the theory of accounting. V. ... A. Kriventsov. Nauch. dokl. vys. shkoly, ... no. 6, 95-97 '63.

Using a standard accounting method of ... Plant. I. Shilin. Bukhg. uchet 20 no. ...

Work practices in accounting and the calculation of economic effectiveness. N. M. Morozkin. ... po tekh. inform. i prop. no. 1:5-7 '63.

ACCOUNTING—BIBLIOGRAPHY see Bibliography—Accounting

ACCOUNTING—PERIODICALS

Readers' conference in Kiev. Bukhg. uchet ... 78 S '63.

ACCOUNTING—STUDY AND TEACHING

In the Board of Personnel Training of the Central Statistical Administration of the U. S. S. R. Bukhg. uchet 20 no. 10:79 O '63.

ACENAPHTHYLENE

Investigation of the copolymerization of acenaphthylene and divinylbenzene. V. P. Ivl, A. B. Pashkov, N. S. Nametkin. Plast. massy no. 11:6-7 '64.

ACETALDEHYDE

Polarographic determination of acetaldehyde in the presence of acrylonitrile [with summary in English]. V. I. Klisev, F. A. Slisarenko, A. V. Finkel'shtein. Zavod. lab. Mikhm. 18 no. 8:999-1002 Ag '63.

ACETAMIDE

Quantitative potentiometric determination of syntomycin and levomycetin. S. Kh. Dzotsenidi. Azerb. khim. zhur. no. 3:99-107 '62.

ACETIC ACID

Dielectric properties of acetic acid and its solutions in benzene. L. M. Imanov, F. G. Mirzoev. Izv. AN Azerb SSR. Ser. fiz.-mat. i tekh. nauk no. 1:37-43 '63.

Use of ion exchangers for the separation of chlorophenoxyacetic acids, their salts, and phenol [with summary in English]. I. K. Tsitovich, V. I. Cherkashin. Zhur. anal. khim. 18 no. 10:1256-1261 O '63.

ACETONE

Homolytic isomerization of acetone di-n-butylmercaptole. R. Kh. Freidlina, A. B. Terent'ev. Dokl. AN SSSR 152 no. 3:637-639 S '63.

Kruzhilov, B. D., and B. E. Golovanenko. [Joint production of phenol and acetone] Sovmestnoe poluchenie fenola i atsetona. Moskva, Goskhimizdat, 1963.

ACETYLATION

Capacity of cotton cellulose for acetylation. D. L. Mirlas, A. L. Kobyshkina, R. S. Bordiuzhevich. Plast. massy no. 11:63-65 '63.

ACETYLENE

Acetylene purification by liquid nitric acid. S. P. Kal'manovich, I. I. Strizhovskii. Trudy VNIIAvtogen no. 6:124-143 '63.

Alkylation of toluene with acetylene in a reactor with a screened electric motor. V. G. Telegin, V. A. Sidorov. Khim. prom. no. 8:567-570 Ag '63.

Development of the production of ethylene, propylene, and acetylene. G. P. Borisovich, P. A. Khokhlachev, B. A. Rodionov. Khim. prom. no. 8:561-566 Ag '63.

Kinetics of liquid-phase hydrochlorination of acetylene in the presence of cuprous chloride. R. M. Flid and others. Kin. i kat. 4 no. 5:698-705 S-O '63.

Separation of acetylene from gases yielded during thermal oxidative pyrolysis of hydrocarbons by using a selective solvent. I. R. Shenderei, F. P. Ivanovskii. Khim. prom. no. 9:650-655 S '63.

ACETYLENE COMPOUNDS

Theory of nucleophilic additions. Part IV. Mechanism of the addition of hydrogen bromide to acetylene derivatives in acetic acid. G. F. Dvorko. Ukr. khim. zhur. 29 no. 11:1180-1192 '63.

ACETYLENE COMPOUNDS—SPECTRA

Infrared spectra of polynes. V. I. Kasatochkin and others. Dokl. AN SSSR 153 no. 2:346-349 N '63.

ACHINSK (KRASNOYARSK TERRITORY)—ALUMINUM INDUSTRY

Annotated letter. The placing of communists in an enterprise. I. Ivanov. Part. zhizn' no. 24:41-42 D '63

ACIDS

Acidulants. I. Vol'per. Ukr. tekh. 8 no. 11:62-64 N '63.

Determining the acid number and free alkali in the saponified oxidate by the method of potentiometric titration. R. M. Benitskii, A. A. Karpenko. Trudy NIISZHIMSa no. 3:86-88 '62.

Rate of the accumulation of acids and of other oxygen-containing compounds during paraffin oxidation by air in the presence of potassium permanganate and manganese dioxide. A. A. Petrichenko. Trudy NIISZHIMSa no. 3:56-59 '62.

Technical and economic evaluation of the methods for the recovery of water soluble acids forming during the production of synthetic fatty acids. L. D. Prokopchuk. Trudy NIISZHIMSa no. 3:82-85 '62.

ACIDS, FATTY

Amount of acid waters formed in the manufacture of fatty acids. L. A. Alferova and others. Masl.-zhir. prom. 29 no. 11:40-43 N '63.

Changes in the composition of fatty acids occurring during paraffin oxidation. A. I. Il'ina. Trudy NIISZHIMSa no. 3:71-74 '62.

Chromatographic method of quantitative analysis of a mixture of higher fatty acids with the use of the MF-4 microphotometer. N. V. Vorob'ev. Masl.-zhir. prom. 29 no. 11:22-26 N '63.

Device for determining the acid numbers of the products of paraffin oxidation. IA. I. Chopchurov, IU. V. Ganin, I. E. Latyshev. Masl.-zhir. prom. 29 no. 10:37 O '63.

Distillation and rectification of synthetic fatty acids. P. N. Miloserdov, N. I. Gel'perin, P. V. Naumenko. Masl.-zhir. prom. 29 no. 11:16-22 N '63.

Effect of fatty acids on the enzymatic properties of trypsin. V. V. Mosolov, P. V. Afanas'ev. Dokl. AN SSSR 152 no. 3:748-750 S '63.

Esterification of high synthetic fatty acids by methyl alcohol in the presence of sulfuric acid. F. V. Linchevskii, R. S. Simonova. Trudy NIISZHIMSa no. 3:26-29 '62.

Kinetics of the amidation of fatty acids with monoethanolamine. F. S. Omel'chenko, M. A. Kamyshan. Masl.-zhir. prom. 29 no. 11:26-28 N '63.

New catalysts for the production of synthetic fatty acids. I. E. Rusinov and others. Khim. i tekh. topl. i masel 8 no. 11:30-35 N '63.

Obtaining fatty acid esters in the manufacture of alkylol amides. I. G. Rezankov and others. Trudy NIISZHIMSa no. 3:15-19 '62.

Role of the adrenals and sympathetic nervous system in fat mobilization in stress states [with summary in English]. S. M. Leites, Chzhou Su [Chou Su]. Probl. endok. i gorm. 9 no. 5:30-35 S-O '63.

Searching for efficient ways to provide the synthetic fatty acids (SZhK) industry with inorganic manganese salts for the production of catalyzing soaps. A. F. Prokopchuk. Trudy NIISZHIMSa no. 3:79-82 '62.

Selecting the temperature in gas-liquid chromatographic analysis of synthetic fatty acids. B. P. Kotel'nikov, P. M. Shcherbakov. Trudy NIISZHIMSa no. 3:75-79 '62.

Technical and economic evaluation of the methods for the recovery of water soluble acids forming during the production of synthetic fatty acids. L. D. Prokopchuk. Trudy NIISZHIMSa no. 3:82-85 '62.

ACIDS, INORGANIC

Rearrangement of organocyclosilazanes brought about by the action of inorganic acids. D. IA. Zhinkin and others. Plast. massy no. 11:16-19 '63.

ACIDS, ORGANIC

Conditions for the formation of organic acids by pentose-utilizing bacteria cultured on the prehydrolysate of reed. D. L. Shamis, G. O. Berezina, M. G. Saubenova. Trudy Inst. mikrobiol. i virus. AN Kazakh SSR 7:44-47 '63.

Effect of malonic acid on the respiration and the transformation of organic acids in onions [with summary in English]. A. N. Pantelcev, L. B. Zhukov. Vest. LGU 18 no. 21:65-71 '63.

Flow sheet of the anodic condensation of monomethyl adipate. M. IA. Fioshin, L. I. Kazakova. Dokl. AN SSSR 152 no. 5:1132-1135 O '63.

Surface tension and adsorption of some alcohols and organic acids from aqueous solutions. S. N. Aleshin. Dokl. TSKHA no. 17:157-162 '59

ACIDS, ORGANIC—DIPOLE MOMENTS

Dipole moments of the methyl esters of some dicarboxylic acids [with summary in English]. V. A. Granzhan, O. N. Vlasov. Zhur. fiz. khim. 37 no. 9:2012-2015 S '63.

ACOUSTIC PHENOMENA IN NATURE

The crunch of snow. V. A. Arabadzhi, K. I. Rudik. Priroda 52 no. 10:106-107 '63.

ACQUISITIONS (LIBRARIES)

Centralize the acquisition of literature in foreign languages. A. Khazanova. Bibliotekar' no. 11:44-45 N '63.

How we increase our collections. E. Bokhanevich, I. Grigor'eva. Bibliotekar' no. 11:41-43 N '63.

[New foreign books; catalog of new accessions] Nov. inostr. knigi; kat. nov. postup. no. 9 '63.

ACROBATICS

Improving the analyser functions in schoolchildren by different methods and forms of acrobatic training. M. V. Zharskikh. Trudy Vor. med. inst. 47:115-117 '62.

ACROLEIN

Synthesis of polymers based on acrolein and phenol. A. B. Stamler, B. E. Geller. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 5:879-881 '63.

ACROMEGALY

Pregnancy and labor in acromegaly. N. O. Kamionskii. Akush. i gin. 39 no. 4:120-121 Jl-Ag '63.

ACRYLAMIDE—PHYSIOLOGICAL EFFECT

Effect of acrylamide and its hydrated derivative on irradiated biological systems. IU. P. Kozlov, T. N. Knlabukhova. Dokl. AN SSSR 152 no. 3:737-739 S '63.

ACRYLAMIDE CRYSTALS

Method of preparing crystalline acrylamide. I. A. IAkubovich and others. Khim. prom. no. 8:570-572 Ag '63.

ACRYLONITRILE

Polarographic determination of acetaldehyde in the presence of acrylonitrile [with summary in English]. V. I. Klisev, F. A. Slisarenko, A. V. Finkel'shtein. Zhur. anal. khim. 18 no. 8:999-1002 Ag '63.

Purification of raw acrylonitrile. N. N. Sevriugova, V. A. Sokol'skii, N. M. Zhavoronkov. Khim. prom. no. 8:572-576 Ag '63.

ACRYLONITRILE POLYMERS—ELECTRIC PROPERTIES

Effect of tensile stress and hydrostatic-type pressure on the electroconductivity of thermally treated polyacrylonitrile. A. A. Averkin and others. Dokl. AN SSSR 152 no. 5:1140-1142 O '63.

ACTING

Saricheva, E. F. [Stage speech] Stsenicheskoe slovo. Moskva, Sovetskaia Rossiia, 1963. 112 p. (Bibliotechka "Khudozhestvennaia samodeiatel'nost," no. 22)

ACTINIDE ELEMENTS

Electronic configuration of transactinide elements. V. M. Klechkovskii. Dokl. TSKHA no. 47:147-155 '59

ACTINOMETRY

Fifth Interdepartmental Conference on Atmospheric Optics and Actinometry. G. Rozenberg. Usp. fiz. nauk 81 no. 3:566-573 N '63.

ACTINOMYCES

(see also subdivision under Kazakhstan)

Actinomyces longisporus ruber, strain 1618, and its antibiotic substances. N. V. Abramova, V. I. Mazumina. Trudy Inst. mikrobiol. i virus. AN Kazakh SSR 7:132-136 '63.

Age-related characteristics of Actinomyces, producer of coelicomycin (actinomycin K), in a surface culture. N. V. Abramova. Trudy Inst. mikrobiol. i virus. AN Kazakh SSR 7:116-119 '63.

Characteristics of a pigmentless variant of Actinomyces coelicolor, producer of coelicomycin. M. Kh. Shigaeva. Trudy Inst. mikrobiol. i virus. AN Kazakh SSR 7:95-98 '63.

Chromatographic study of the antibiotic substances of Actinomyces longisporus ruber, strain 1618. N. V. Abramova, V. P. Migalina. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:137-146 '63.

Conditions for the formation of novobiocin from an Actinomyces spheroides culture. Development of a synthetic medium and a study of the effect of some nitrogen and carbohydrate sources on the biosynthesis of the antibiotic [with summary in English]. N. S. Egorov, V. I. Ushakova. Antibiotiki 7 no. 10:863-868 O '62.

Effect of fats on the formation of nystatin from a highly productive strain of Str. noursei [with summary in English]. L. A. Popova, N. E. Stepanova. Antibiotiki 7 no. 10:868-873 O '62.

Effect of ultraviolet rays on the pigmentless variant, producer of coelicomycin. M. Kh. Shigaeva. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:99-105 '63.

Formation of heliomycin from an Act. flavochromogenes var. heliomycini culture [with summary in English]. R. S. Ukholina. Antibiotiki 7 no. 10:874-878 O '62.

Formation of heteroauxin by soil actinomycetes [with summary in English]. K. I. Andriiuk, O. V. Vladymyrova. Mikrobiol. zhur. 25 no. 5:3-7 '63.

Metabolism of nitrogen-containing substances in Actinomyces. A. M. Bezborodov. Antibiotiki 7 no. 10:936-947 O '62.

Natural variability of Actinomyces antocyaneus, strain 1321. U. A. Sartbaeva. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:120-127 '63.

Specificity of interrelations and the antimicrobic spectrum of the producers of coelicomycin and typical strains of Actinomyces coelicolor. U. A. Sartbaeva. Trudy Inst. mikrobiol. i virus. AN Kazakh SSR 7:106-109 '63.

Study of the natural variability in "transactive" phage-resistant variants of producers of streptomycin [with summary in English]. A. F. Teteriatnik, S. I. Alikhanian, Z. G. Oleneva. Antibiotiki 7 no. 10:859-863 O '62.

Variability of Actinomyces coelicolor, producer of coelicomycin, induced by ultraviolet rays. M. Kh. Shigaeva, V. D. Sivertseva. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:90-94 '63.

ACTINOMYCES—TOXICOLOGY

Actinomyces as factors of the toxicity of floodland soils in the Kiyaz'ma River. I. P. Babieva, L. N. Khadzhi-Murat, IU. V. Kaptereva. Poim poch. rus. rav. no. 2:146-157 '63.

ACTINOMYCIN

Effect of actinomycin D and aurantin on the multiplication of some myxoviruses. V. M. Zhdanov, A. G. Bukrinskaia. Vop. virus. 8 no. 2:230-232 Mr-Ap '63

ACTINOMYCOSIS

Mokhort, V. A. [Actinomycosis of the urogenital organs] Aktinomikoz mochepolovykh organov. Minsk, Gosizdat BSSR, 1963. 109 p. (DNLM)

ACTIONS AND DEFENSES

Further development of the procedural rights of Soviet citizens to have their cases tried in court. A. Mel'nikov. Sov. iust. no. 21:6-8 N '63.

ACTIVATED CARBON see Carbon, Activated

ACTORS

Actors' brigades in the front regions. V. L. Maksakova. Ist. arkh. 8 no. 3:156 My-Je '62.

ACTORS (Continued)

[The actor's work] Trud aktera, sbornik statei. Moskva, Izd-vo "Sovetskaia Rossiia." Bibliotechka [Khudozhestvannam samodeiatel'nost', " no. 17)
No. 11. Fetisova, Ul'ianov, Efremov, Batalov. 1963. 86 p.

The First Brigade of Moscow Actors and its work in the front regions. B. M. Filippov. Ist. arkh. 8 no 3 157-184 My-Je '62.

ACTORS—CORRESPONDENCE, REMINISCENCES, ETC.

IUr'ev, IU. M. [Reminiscences] Zapiski. Red. E. M. Kuz'etsova. Leningrad, Iskusstvo.
Vol. 2. 1963. 509 p. (Teatral'naye memuary)

ACUTE CATARRHAL JAUNDICE see Hepatitis, Infectious

ADAPTATION (BIOLOGY)

Iosel'son, S. A. [Physiological fundamentals of increase in the resistance of people to intensive thermal effects] Fiziologicheskie osnovy povysheniia vynoslivosti liudei k intensivnym teplovym vozdeistviiam Leningrad, Medgiz, 1963. 86 p.

Stability of ecological and physiological adaptations in some freshwater mollusks [with summary in English] G. L. Shkorbatov. Zool. zhur 42 no. 10:1462-1464 '63

ADDITION REACTIONS

Calculation of the activation energy of radical reactions based on the additivity principle. F. B. Moin. Dokl. AN SSSR 152 no. 5:1169-1172 O '63.

Theory of nucleophilic additions Part 12: Mechanism of the addition of hydrogen bromide to acetylene derivatives in acetic acid. G. I. Dvorko. Ukr. khim. zhur 29 no. 11:1188-1192 '63.

ADEN—HISTORY

History of a colonial robbery. O. Gerasimov. Az. i Afr. seg. no. 12 58 D '63.

ADEN—POSTAGE STAMPS

History of a colonial robbery. O. Gerasimov. Az. i Afr. seg. no. 12 58 D '63.

ADENOVIRUSES

Allergic skin reaction to adenoviruses R. S Dreizin, N. M Porubinovskaia, E E Zolotarskaia Vop virus 8 no 2 232-233 Mr-Ap '63

ADHESION

Adhesion of high polymers to metals. Part 4 Temperature dependence and the activation energy of adhesion [with summary in English]. S. S. Voiutskii and others. Zhur. fiz. khim. 37 no. 9:2027-2033 S '63.

Devices for determining adhesive strength. V. P. Diatlova, M. P. Pomanskaia, R. I. Akishina. Zav. lab. 29 no. 11:1375 '63.

Tracer method study of the character of the breakdown of the polymer-substrate adhesive joint [with summary in English]. V. K. Gromov and others. Zhur. fiz. khim. 37 no. 9:2077-2081 S '63.

ADHESIVES

Use of a polyacrylamide solution for label affixing. Borisova. Spirt. prom. 29 no. 7 37-38 '63.

Use of an epoxy compound for vacuum-tight cementation of Teflon and a metal. V. P Samoilov, M. N. Kulygina. Prib. i tekh eksp 6 no. 5:225 S-O '63

ADIGEZAL, MIRZA

Historical documents. Sulduz Rustamov. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 6:197 '61.

ADIPIC ACID

Flow sheet of the anodic condensation of monomethyl [illegible] kl, AN

Function of the adrenal cortex in surgery of the thoracic organs under automatically controlled anesthesia [with summary in English] IU N Shanin, A. T Pulatov, M V IUrchenko. Vest. khir 90 no. 6 109-113 Je '63.

Role of the pituitary-adrenal system in the development of symptoms of radiation pathology, review of literature V. I. Kandror. Probl. endok. i gorm. 9 no 5 109-117 S-O '63.

Significance of the functional state of the adrenal cortex in the pathogenesis of experimental arthritis and in the pharmacodynamics of antirheumatic agents [with summary in English]. A. F Leshchinskii, Z. I. Zuza. Probl. endok i gorm. 9 no. 5 25-29 S-O '63.

ADRENAL CORTEX—DISEASES

Adrenal pathology in thyrotoxicosis [with summary in English]. K. P Gracheva, V. A Odinokova. Probl. endok. i gorm. 9 no. 5 71-74 S-O '63.

Classification of adrenal cortex diseases. V. P. Lebishvili. Probl. endok i gorm. 9 no. 5:60-62 S-O '63.

Two cases of adrenal atrophy in prolonged steroid therapy. G. P. Shul'tsev, A. M. TSyganova. Klin. med. 41 no. 7,121-123 Jl '63.

ADRENAL GLANDS

Functional state of the adrenal glands in hypoplastic and aplastic anemia and leukemias. G. A. Sinitsova, IA. I. Vygovskaia [Sbor. trud. Lvov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4:100-109 '60.

ADRENAL GLANDS—DISEASES

Adrenal coma following excision of an ovarian cyst. S. E. Pollak. Akush i gin. 39 no. 4:118-120 Jl-Ag '63.

Changes in the medullar substance of the adrenal glands in diphtherial intoxication. V. D. Akhnazarova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:91-99 '58.

Congenital adrenogenital syndrome in girls [with summary in English]. L. G. Tumilovich. Akush. i gin. 39 no. 4 22-29 Jl-Ag '63.

Pathological changes in adrenal glands in diphtherial intoxication during drug-induced sleep. V. D. Akhnazarova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1,82-90 '58.

ADRENAL GLANDS—EXCISION

Role of the adrenals and sympathetic nervous system in fat mobilization in stress states [with summary in English]. S. M. Leites, Chzhou Su [Chou Su]. Probl. endok. i gorm. 9 no. 5:30-35 S-O '63.

ADRENALINE

Effect of ACTH on adrenaline and noradrenaline excretion in the urine in myopathy [with summary in English]. E. A. Matlina, D. I. Shagal. Probl. endok. i gorm. 9 no. 5:66-70 S-O '63.

ADRENOCORTICAL HORMONES

Anti-inflammatory action of corticosteroids in Botkin's disease. V. I. Plotnikov. Kaz. med. zhur. no. 5 43-45 S-O '63.

Dynamics of blood proteins fractions during corticosteroid therapy of children with the nephrotic syndrome. E. T. Kossova. Pediatriia 41 no. 7,59-62 Jl '63.

Microstructural changes occurring in experimental wounds under the influence of ascorbic acid combined with cortisone and ACTH. A. I. Bukhenova. Dokl. AN SSSR 152 no. 3:761-764 S '63.

Results of the use of corticosteroids in the treatment of epidemic hepatitis [with summary in English]. A. F. IAkovlev. Klin. med. 41 no. 7,28-33 Jl '63.

Urinary excretion of tetrahydroxy derivatives of corticosteroids in healthy persons based on paper chromatography data [with summary in English]. IA M. Miloslavskii, N. A. Ardamatskii. Probl. endok. i gorm. 9 no. 5:62-66 S-O '63.

Use of corticosteroids for surgical patients; a review of Soviet and foreign literature. P. G. Shvalb. Vest. khir. 91 no. 7:89-94 Jl '63.

Use of corticosteroids in surgery. V. A. Kovanev. Zdravookhranenie 6 no. 5:20-23 S-O '63.

ADSORPTION

Adsorption energy during ionization of atoms on a metal surface. E. F. Chaikovskii, G. M. Platigorskii. Dokl. AN SSSR 153 no. 2:401-404 N '63.

Adsorption of small concentrations of nitrogen peroxide - nitrogen tetroxide under dynamic conditions. E. B. Krasnyi, L. I. Kuznetsov-Fetisov, G. I. Rozenberg. Izv vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:802-806 '63.

Adsorption properties of molecular sieves during liquid phase sorption of hydrocarbons. I. A. Mikhailov, E. L. Loktionova. Khim. i tekh. topl. i masel 8 no. 11:4-10 N '63.

Calculation of the process of adsorption separation of a binary vapor mixture with the drawing off of intermediate fractions along the height of the column. E. N. Serpionova. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:856-860 '63.

Change in the adsorbing capacity of silica gel in [illegible] by high-frequency discharges. S. V. Starodubtsev and others Izv. AN Uz. SSR. Ser. fiz.-mat. nauk [illegible] 78 '61.

Determination of the surface of products of the [illegible] decomposition of $KMnO_4$ by chemisorption [illegible] V. A. Protashchik, B. V. Erofeev. Dokl. AN [illegible] no. 5:326-329 My '63.

Effect of adsorption on the spectra of light reflected [illegible] the free surface of concentrated solutions of [illegible] L. I. Al'perovich. Opt. i spektr. [illegible] '63.

Effect of the adsorption of free radicals on the [illegible] potential of n-semiconductors. I. P. Gutman, I. A. Miasnikov. Dokl. AN SSSR [illegible] '63.

Surface tension and adsorption of some aliphatic [illegible] organic acids from aqueous solutions. S. N. Al[illegible] Dokl. TSKHA no 47,157-162 '59

ADULT EDUCATION
(see also subdivision under Moscow)

Chernavskii, G. I., and S. A. Pinaiev. [Extramural [illegible] education in Russia during the pre-reform period, 1861-1895; lecture for students taking the course [illegible] educational work in the U. S. S. R."] Vneshkol'noe obrazovanie v Rossii v poreformennyi period, 1861-1895 gg.; lektsiia dlia studentov po kursu "Istoriia kul'turno-prosvetitel'noi raboty v SSSR" Khar'k[illegible] Khar'kovskii gos. bibliotechnyi in-t.
Vols. 1-2, 1962.
(MH)

Nikitin, G. [From knowledge to convictions, [illegible] practice of the Gzhatsk Popular University of [illegible] Ot znanii - k ubezhdeniiam, zametki ob opyte [illegible] Gzhatskogo narodnogo universiteta kul'tury. [illegible] Smolenskoe knizhnoe izd-vo, 1963. 31 p. (Pri[illegible] turnogo fronta)

ADVERTISING

Let's create a united advertising firm. G. Ar, [illegible] Sov. torg. 37 no. 11:15-16 N '63.

ADVERTISING, OUTDOOR see subdivision under Ukraine

AERIAL PHOTOGRAMMETRY

Geodetic orientation in case of orthogonal projection [illegible] the points of a stereoscopic air photograph [illegible] base plane. IA. I. Gebgart. Trudy MIIZ no. 10:111-140 '60.

Geometric derivation of the formula of the [illegible] coefficient used in reciprocal orientation of the [illegible] pair. A. O. Rumer. Trudy MIIZ no. 10:[illegible] '60.

Possibility of increasing the accuracy of [illegible] processing of air photographs by the use of [illegible] meters. A. I. Obiralov. Trudy MIIZ no. 10:[illegible] '60.

Precision of stereotopographic mapping on the [illegible] 1:2000. P. M. Shevchuk. Geod. i kart. no. 1:[illegible] O '63.

Quality control of aerial photographs. V. IA [illegible] Geod. i kart. no. 10:44-47 O '63.

Tying radiogeodetic measurements to [illegible] identified on air photographs. K. A. Zykov [illegible] MIIZ no. 10:163-172 '60.

AERIAL PHOTOGRAPHY see Photography, Aerial

AERIAL PHOTOGRAPHY IN GEOLOGY

New possibilities for using aerial photog[illegible] logical research. G. D. Cheremny[illegible] Izv. [illegible] geog. no. 6:89-94 N-D '63.

AERIAL PROPELLERS see Propellers, Aerial

AERODYNAMICS—ELECTROMECHANICAL ANALOGIES

Investigating the aerodynamics of a layer of [illegible] method of electrical analogies. P. N. Plato[illegible] Mitrofanov. Izv. vys. ucheb. zav., pribo[illegible] 139-142 '63.

AERODYNAMICS, HYPERSONIC

Similitude laws for gas outflow into a thin[illegible] nozzle. IU. L. Zhilin. Inzh. zhur. [illegible] '63.

AERONAUTICAL CHARTS

Aeronautical cartography. IU. Arintov. Grazh[illegible] no. 10:32 O '63.

AERONAUTICS—ACCIDENTS

Review of O. Elacio's book "Case of death due to [illegible] suction of a man's body into the motor of a [illegible] [in French]. S. A. Prilutskii. Sud. med. [illegible] no. 4:57-58 O-D '63

AERONAUTICS—SAFETY MEASURES see subdivision under France

AERONAUTICS, COMMERCIAL
(see also subdivision under Azerbaijan, [illegible])

Bounties of work. I. Molchanov. Grazhd. av. [illegible] 2 of cover, 1-4 O '63.

Loyalty to communism leads to victory. Grazh[illegible] no. 10:6 O '63.

Personal parochial view. V. Shipov. Grazh. av. [illegible] no. 10:28 O '63.

AERONAUTICS, COMMERCIAL—PASSENGER TRAFFIC

State Research Institute requests advice. G. Vasil'eva, Grazhd. av. 20 no. 10·26 O '63

When first violins play out of time. I. Volokitin, L. Malanchev. Grazhd. av. 20 no. 10,30-31 O '63.

AERONAUTICS, COMMERCIAL—TECHNOLOGICAL INNOVATIONS

Ready to share. Grazhd. av. 20 no. 10·22-23 O '63.

AERONAUTICS, MILITARY—OBSERVATIONS

Attention to visual reconnaissance. V. Egorov. Voen. vest. 43 no. 10 91-94 O '63.

AERONAUTICS IN AGRICULTURE

Advantages of using airplanes for the chemical weed control of grass cultures. T. Borodina. Ekon. sel'khoz. 34 no. 11 106-107 N '63.

Airplanes, poisonous chemicals, crop, abundance. V. Kontar'. Grazhd. av. 20 no. 10 24-26 O '63

AERONAUTICS IN GEOLOGY

I am beginning the work in my quadrangle.... O. Evgen'ev. Smena 40 no. 17·23 S '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi geologicheskii komitet. [Aeromagnetic surveying in geology, collection of articles dedicated to the 25th anniversary of aeromagnetic surveying in the U. S. S. R.] Aeromagnitnaia s"emka v geologii, sbornik statei, posviashchennyi 25-letiiu aeromagnitnoi s"emki v SSSR Moskva, Gosgeoltekhizdat, 1963. 123 p.

AERONAUTICS IN METEOROLOGY

Characteristics of atmospheric sounding by helicopters carried on ships. I. V. Vasil'chenko. Trudy GGO no. 140 81-94 '63.

Electric meteorograph operated on a helicopter. A. A. Ledokhovich. Trudy GGO no. 140, 71-78 '63.

Methodology of atmospheric sounding by means of helicopters. V. I. Selitskaia, P. A. Vorontsov. Trudy GGO no. 140 17-61 '63.

Methodology of observations of condensation nuclei from a helicopter. M. A. Beliashova. Trudy GGO no. 140 95-101 '63.

Methods for attaching meteorographs on MI-1 and MI-4 helicopters. S. I. Maslov, E. P. Krokhin. Trudy GGO no. 140 79-83 '63.

Radiometeorograph operated on a helicopter. IU. S. Dovgaliuk, V. I. Mukhkiuria, G. A. Tiul'kova. Trudy GGO no. 140 65-70 '63.

Use of a helicopter in measuring the total ozone content. G. P. Gushchin. Trudy GGO no. 140, 102-104 '63.

Use of helicopters in sounding the lower atmospheric layers. P. A. Vorontsov, V. I. Selitskaia. Trudy GGO no. 140, 3-16 '63.

AERONAUTICS IN SURVEYING

A characteristic of variation correction in aeromagnetic surveying. A. M. Karasik, M. Kh. Rubinchik. Inform. sbor. NIIGA no. 31, 81-83 '62.

Method of averaged control route in aeromagnetic surveying. A. M. Karasik. Inform. sbor. NIIGA no. 31, 77-81 '62.

AEROSOLS

Aerosol method of applying herbicides. M. IA. Berezovskii. Dokl. TSKHA no. 47, 125-132 '59.

Binding dust by spraying weak solutions of calcium chloride aerosols. V. IA. Al'perovich. Vop. bor'by s pyl. v Sib. no. 1, 83-87 '61.

Calculation of the mutual velocities of Stokes particles in a turbulent flow. IU. S. Sedunov. Izv. AN SSSR, Ser. geofiz. no. 11, 1747-1753 N '63.

Convective heat transfer of a gas-graphite suspension flow in longitudinally ribbed channels. R. A. Bakhtiozin, Z. R. Gorbis. Trudy Od. tekh. inst. 14, 55-63 '62.

Generalized Boltzmann kinetic equation and some equations pertaining to the kinetics of polydisperse systems. V. I. Smirnov. Trudy TSAO no. 47, 33-54 '63.

Mednikov, E. P. [Acoustical coagulation and precipitation of aerosols] Akusticheskaia koagulatsiia i osazhdenie aerozolei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 282 p.

Probability of the collision of suspended particles in their directed motion. G. I. Trushin, N. N. Lipatov. Izv. vys. ucheb. zav.; pishch. tekh. no. 5, 110-114 '63.

AESTHETICS

Artistic imagination. S. Batrakova. Vop. est. no. 5, 174-199 '62.

Beauty as a value. V. P. Tugarinov. Nauch. dokl. vys. shkoly: filos. nauki 6 no. 4, 59-65 '63.

Belik, A. P. [Aesthetics and our time; a study of some timely problems] Estetika i sovremennost', ocherk nekotorykh aktual'nykh problem. Moskva, Politizdat, 1963. 189 p.

[Program for a course on the principles of Marxist-Leninist aesthetics, for study groups and persons who study according to individual study plans] Programa z osnov Marksysts'ko-leninis'koi estetyky, dlia seminariv i vyvchaiuchykh za indyvidual'nymy planamy. Kyiv, Derzhpolitvydav URSR, 1963. 23 p.

Sociological study of the aesthetic views and tastes of industrial workers in the Ural Mountain region. A. K. Melekhova. Nauch. dokl. vys. shkoly: filos. nauki 6 no. 5, 33-37 '63.

AESTHETICS—BIBLIOGRAPHY see Bibliography—Aesthetics

AESTHETICS—STUDY AND TEACHING

Aesthetic training. G. Labunskaia. Nar. obr. no. 12, 136 D '63.

Aesthetic training of students in extracurricular work. V. I. Smirnov. Sov. pedag. 27 no. 9, 63-66 S '63.

AFFORESTATION

(see also subdivision under Azerbaijan; Ili Valley, Kremenchug Reservoir region, Tuva A. S. S. R., Veliko-Anadol')

Chemical weed control in forest plantations by triazine derivatives. N. M. Pankratova. Les. khoz. 16 no. 9, 39-44 S '63.

Information. Vest. sel'khoz. nauki 6 no. 6, 147-156 Je '63.

Minimal tillage for pine plantations in sandy soils (with summaries in English, German, and French). L. IU. Klinchnikov. Vest. sel'khoz. nauki 8 no. 6, 104-107 Je '63.

AFGHAN LITERATURE—HISTORY AND CRITICISM

Germanova, A. S., and G. F. Gits. [Afghan literature; a brief study] Literatura Afganistana, kratkii ocherk. Moskva, Izd-vo vostochnoi lit-ry, 1963. 192 p. (Literatura Vostoka)

AFGHANISTAN—TUNNELING

Anchor supports of workings. V. V. Stoblov, A. A. Chizhov. Transp. stroi. 13 no. 9, 25-26 S '63.

AFRICA—DESCRIPTION AND TRAVEL

Christmas present [conclusion]. Ernest Hemingway. Ogonek 41 no. 52, 20-25 D '63.

"Lofira leaves." L. Ivanov. Az. i Afr. segodnia no. 12, 57 D '63.

AFRICA—ECONOMIC ASSISTANCE, AMERICAN

A senator draws conclusions. V. Katin. Az. i Afr. segodnia no. 12, 16-17, 23 D '63.

AFRICA—ECONOMIC ASSISTANCE, RUSSIAN

The Soviet Union and Africa. Sov. Soiuz no. 11, 53 '63.

AFRICA—FOREIGN RELATIONS—RUSSIA

The Soviet Union and Africa. Sov. Soiuz no. 11, 53 '63.

AFRICA—HISTORY—SOURCES

Sources for the history of African workers [with summary in English, p. 222]. E. M. Vinokur, IU. I. Komar, S. I. Kuznetsova. Vop. ist. 38 no. 11, 62-81 N '63.

AFRICA—INSURANCE, SOCIAL

Development of social insurance in the countries liberated from colonial dependence. V. Kornilova, V. Sazonov. Sots. obesp. 24 no. 9, 59-62 S '63.

AFRICA—INVESTMENTS, WEST GERMAN

"West German expansion in the Arab countries and Africa" by IA. IA. Etinger. Reviewed by O. N. Knyazev. Vop. ist. 38 no. 12, 137-139 D '63.

AFRICA—LABOR AND LABORING CLASSES

Sources for the history of African workers [with summary in English, p. 222]. E. M. Vinokur, IU. I. Komar, S. I. Kuznetsova. Vop. ist. 38 no. 11, 62-81 N '63.

AFRICA—POLITICS

Africa wants peace. V. Sidenko. Nov. vrem. 21 no. 48: 8-9 N '63.

Great changes: Africa Day. Agitator no. 22, 18-19 N '63.

Hopes and anxieties of the African continent. V. Kudriavtsev. Mezhdunar. zhizn' 10 no. 11, 57-65 N '63.

AFRICA—PORTUGUESE COLONIES

Who gives assistance to Salazar? V. Lutchenko. Az. i Afr. segodnia no. 12, 56-57 D '63.

AFRICA—RACE DISCRIMINATION

Offensive against racialism. IU. Bochkarev. Nov. vrem. 21 no. 50, 4-6 D '63.

AFRICA—RAILROADS

Railroads of African countries. N. N. Berchenko. Zhel. dor. transp. 45 no. 11, 79-85 N '63.

AFRICA—RELATIONS (MILITARY) WITH FRANCE

French military agreements with African states. IU. Ivanov. Mezhdunar. zhizn' 10 no. 11, 132-133 N '63.

AFRICA—STATES, NEW—POLITICS

Constitutional contrivances of the colonizers. V. Kudriavtsev. Az. i Afr. segodnia no. 12, 8-11 D '63.

AFRICA, CENTRAL—EXCAVATION (ARCHAEOLOGY)

The slide rule is nine thousand years old? Tekh. mol. 31 no. 11, 25 '63.

AFRICA, WEST—PERIODICALS

"Bulletin de l'Institute Francaise d'Afrique Noire," a West African periodical. S. IA. Berzina. Vop. ist. 38 no. 12, 172-176 D '63.

AFTERIMAGES

Afterimage (trace) and fixated set. I. T. Bzhalava. Eksp. issl. po psikhol. ust. 2, 63-68 '63.

Temperament and afterimages. V. G. Norakidze. Eksp. issl. po psikhol. ust. 2, 119-134 '63.

AGAIAN, GAZAROS, 1840-1911

Philosophical and ethical problems in the literary heritage of Gazaros Agaian. A. N. Avtandilian. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 5, 91-95 '63.

AGARAK—COPPER MINES AND MINING

Why is the important construction falling behind. M. Malkhasian. Prom. Arm. 6 no. 9, 19-20 S '63.

AGE

Age characteristics of the pelvic bones. I. I. Fedorov. Sud.-med. ekspert. 6 no. 4, 18-25 O-D '63.

AGING

Histochemistry of the intima of the human aorta and problems of arteriosclerosis [with summary in English]. C. Velican, Doina Velican. Arkh. pat. 25 no. 6, 16-26 '63.

Verkhutskii, N. P. [Prevention of premature aging in women] Preduprezhdenie prezhdevremennogo stareniia zhenshchin. Izd 2., ispr. i dop. Kiev, Gosmedizdat USSR, 1963. 129 p. (DNLM)

AGRANULOCYTOSIS

Agranulocytosis. V. G. Potapova, G. F. Grishin. Kaz. med. zhur. no. 5, 73-75 S-O '63.

Experimental immune agranulocytosis. Kh. V. Kurii-Sinitchuk. [Shor trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4, 21-30 '60.

Leukolytic serum properties in patients with agranulocytosis and granulocytopenia. Kh. V. Kurii-Sinitchuk. [Shor trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4, 31-34 '60.

Transfusion of a leucocyte mass in acute agranulocytosis, and hypoplastic and aplastic anemia. A. P. Kuchuk. [Shor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4, 142-147 '60.

AGRICULTURAL ADMINISTRATION

(see also subdivision under Anna District; Kaluga Province; Kazakhstan; Khomutovka District, Pervomayskiy District, Orenburg Province, Poltava Province; Rostov Province; Ukraine; Ural'sk Province; Viljandi District; White Russia; Yangiyul' District; Zhitomir Province)

Local party organizations of regional agricultural administrations. G. Zhdanov. Part. zhizn' [Uzb.] 5 no. 10, 87-90 O '62.

Party control of the national economy. Kommunist 40 no. 16, 3-12 N '63.

Some organizational forms of public participation in agricultural administration in the provinces. V. M. Betsa. Izv. vys. ucheb. zav.; prav. 7 no. 3, 45-57 '63.

[Work practice of production administrations] Opyt raboty proizvodstvennykh upravlenii. Moskva, Sel'khozizdat, 1963. 334 p.

AGRICULTURAL CHEMICALS see subdivision under Kaluga Province

AGRICULTURAL CHEMICALS—SAFETY MEASURES

Individual protection in agricultural work involving poisonous chemicals. IU. I. Kundiev, M. E. Podlinaeva. Fel'd. i akush. 28 no. 8, 6-9 Ag '63.

AGRICULTURAL CHEMISTRY

Valuable book on Soviet agricultural chemistry and its founder Academician D. N. Prianishnikov. O. K. Kedrov-Zikhman. Pochvovedenie no. 10, 103-105 O '63.

AGRICULTURAL CHEMISTRY—BIBLIOGRAPHY see Bibliography—Agricultural chemistry

AGRICULTURAL CHEMISTRY—STUDY AND TEACHING

Knowledge of chemistry must be made accessible to the masses. V. Zalchikov. Part. zhizn' no. 1, 53-57 Ja '64.

AGRICULTURAL COLLEGES see subdivision under Voronezh

AGRICULTURAL CONTRACTS see Contracts, Agricultural

AGRICULTURAL CREDIT

Sidel'nikov, M. V. [Issuing a long-term credit to collective farms] Dolgosrochnoe kreditovanie kolkhozov. Moskva, Gosfinizdat, 1963. 58 p. (V pomoshch bankovskomu rabotniku)

AGRICULTURAL EXPERIMENT STATIONS see subdivision under Gorkiy Province, Pagegskiy District

AGRICULTURAL GEOGRAPHY see subdivision under Vologda Province

AGRICULTURAL JOURNALISM see Journalism, Agricultural

AGRICULTURAL LAWS AND LEGISLATION

[Labor protection in agricultural establishments] Tookaitse ja ohutustehnika pollumajandusettevotetes Tallinn, Eesti Riiklik Kirjastus, 1963. 489 p. [In Estonian]

AGRICULTURAL MACHINERY

Alma-Ata. Kazakhskii gosudarstvennyi sel'skokhozyaistvennyi institut. Fakul'tet mekhanizatsii. [Study manual for a machinery operator] Uchebnik-spravochnik mekhanizatora. Alma-Ata, Kazsel'khozgiz, 1963. 326 p.

Butuzov, A. F., and V. K. Vasilevskii. [Conducting individual exercises in tractor and combine operations] Provedenie individual'nykh zaniatii po vozhdeniiu traktorov i kombainov. Moskva, Profobrizdat, 1963. 49 p. (Obmen opytom truda)

High-quality equipment for agriculture. V. F. Garbuzov. Mashinostroenie no. 5:95-98 S-O '63.

The ISU-4 mineral fertilizer grinder-mixer. V. Valuev, N. Matiuto. Ekon. sel'khoz. 34 no. 11:75-76 N '63.

In that smithery. Serhii Puchkov. Ukraina no. 17:21 S '62.

In the Scientific and Technological Council of the All-Union "Soiuzsel'khoztekhnika" Association. Tekh. v sel'khoz. 23 no. 9:91 S '63.

In the Scientific and Technological Council of the "Rossel'khoztekhnika" Association. Tekh. v sel'khoz. 23 no. 10:89-90 O '63.

[Increasing the operating speeds of agricultural machines and tractors] Povyshenie rabochikh skorostei sel'skokhoziaistvennykh mashin i traktorov, sbornik dokladov. Moskva, Mashgiz, 1963. 314 p.

Machines for work in the production of sugar beet seeds. M. Samoilov, G. Iakimenko. Tekh. v sel'khoz. 23 no. 9:14-21 S '63.

Modifying filling units. G. Karnaukhov. Tekh. v sel'khoz. 23 no. 9:84-85 S '63.

Polkanov, I. P. [Automatic control and accounting for tractor driven machinery] Avtomaticheskii kontrol' i uchet raboty mashinno-traktornykh agregatov. Pod red. M. P. Sergeeva. Moskva, Mashgiz, 1963. 199 p.

Universal agricultural loader. I. Fedoseev. Tekh. v sel'khoz. 23 no. 9:55-56 S '63.

Unloader of organic fertilizer. N. Zakharov. Prof.-tekh. obr. 20 no. 10:24-25 O '63.

AGRICULTURAL MACHINERY—ABSTRACTS

[Tractors and agricultural machinery and equipment] Ref. zhur. Traktory i sel'khoz. mash. i orud. nos. 11-12 N-D '63.

AGRICULTURAL MACHINERY—BIBLIOGRAPHY see Bibliography—Agricultural machinery

AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR
(see also subdivision under Czechoslovakia, Kemerovo region)

Electronics and spare parts. I. Molchanov. Sel'. mekh. no. 10:33 O '63.

apital repairs on state
khoz. i sov-

e-

no. 9:4-5 S '63.

Repairing and maintaining machines and tractors as the most important task of the national economy. Tekh. v sel'khoz. 23 no. 10:1-3 O '63.

Storage of agricultural machines. S. Sachl. Tekh. v sel'khoz. 23 no. 9:86-89 S '63.

Store machines properly. Sel'. mekh. no. 10:22 O '63.

Straightening thermally processed parts. I. V. Bolgov. Sbor. rab. GOSNITI no. 16, 39-45 ['61].

Strengthening and restoring the rigidity of couplings in agricultural machines by gluing. M. E. Krichevskii. Sbor. rab. GOSNITI no. 16, 46-53 ['61].

AGRICULTURAL MACHINERY—PAINTING

Painting agricultural machinery. A. Shavzis. Tekh. v sel'khoz. 23 no. 9:74-76 S '63.

AGRICULTURAL MACHINERY—STUDY AND TEACHING
(see also subdivision under Gomel')

On the agenda of compulsory education. Tekh. v sel'khoz. 23 no. 9:9-10 S '63.

AGRICULTURAL MACHINERY—TECHNOLOGICAL INNOVATIONS
(see also subdivision under Bukovina)

Afanas'ev, V. G., and L. S. Filatov. [Innovators and efficiency promoters in agriculture] Izobretateli i ratsionalizatory sel'skomu khoziaistvu. Moskva, Sel'khozizdat, 1963. 333 p.

Success of our skillful machine operators. A. Tananykhin. Sel'. mekh. no. 10:19 O '63.

They accomplished what they had in mind. Sel'. mekh. no. 10:26-27 O '63.

AGRICULTURAL MACHINERY—TIRES

Losses caused by the wobbling of arched tires under field conditions [with summaries in English, German, and French]. I. N. Chernyshov, M. V. Kuz'min. Vest. sel'khoz. nauki 8 no. 6:93-96 Je '63.

AGRICULTURAL MACHINERY INDUSTRY
(see also subdivision under Polotsk; Ukraine)

Introduce cybernetics to agriculture. B. Pavlov. NTO 5 no. 11:6-9 N '63.

Organization of combine manufacturing plants in the U. S. S. R. I. I. Kolomiichenko. Ist. SSSR 7 no. 6:104-111 N-D '63.

AGRICULTURAL MACHINERY INDUSTRY—ACCOUNTING see subdivision under Rostov; Taganrog

AGRICULTURAL MACHINERY INDUSTRY—HYGIENIC ASPECTS see subdivision under Ryazan

AGRICULTURAL MACHINERY INDUSTRY—MANAGEMENT see subdivision under Taganrog

AGRICULTURAL MICROBIOLOGY

Pankratov, A. IA. [Microbiology] Mikrobiologiia. Izd. 2, ispr. i dop. Moskva, Sel'khozizdat, 1962. 398 p.

AGRICULTURAL POLICY
(see also subdivision under Kazakhstan, Tajikistan)

In the struggle for an abundance of agricultural products. P. Golubkov. Polit. samoobr. 7 no. 8:19-29 Ag '63.

AGRICULTURAL PRICES see subdivision under Ukraine

AGRICULTURAL RESEARCH
(see also subdivision under Estonia; Sverdlovsk Province)

Innovations in a village. S. Trusov. Izobr. i rats. no. 11:38-39 '63.

One of a few. Dm. Rud'. Nov. mir 38 no. 6:260-262 Je '62.

AGRICULTURAL WAGES
(see also subdivision under Bashkiria; Grodno Province, Moscow Province)

[Collection of regulations on wages for workers of state agricultural enterprises] Sbornik polozhenii ob oplate truda rabotnikov gosudarstvennykh predpriiatii sel'skogo khoziaistva. Kiev, Gossel'khozizdat USSR, 1963. 391 p.

Efficiency of the piecework-bonus wage system on a state farm. P. Kucherenko, L. Ovsiannikov. Sots. trud 8 no. 10:61-64 O '63.

How to pay tractor and machinery operators in fruit nurseries. K. Rubleva. Sel'. mekh. no. 10:34 O '63.

Notes on books. N. Nikol'skii. Sov. profsoiuzy 19 no. 18, 10 S '63.

Standard regulation on issuing bonuses to administrative, engineering and technical workers and employees of regional units and branches of the Farm Mechanization Agency "Sel'khoztekhnika." Biul. Gos. kom. po vop. truda i zar. platy no. 11, 7-10 '63.

Supplement to the standard regulation on wages for workers of state farms and other state agricultural enterprises. Biul. Gos. kom. po vop. truda i zar. platy no. 11:3 '63.

AGRICULTURAL WAGES—HANDBOOKS, MANUALS, ETC.

[Manual on wages on state farms and other state agricultural enterprises] Spravochnik po oplate truda v sovkhozakh i drugikh gosudarstvennykh sel'skokhoziaistvennykh predpriiatiiakh. Izd. 2, perer. i dop. Moskva, Sel'khozizdat, 1963. 638 p.

AGRICULTURAL WORKERS
(see also subdivision under Arzamas District; Atyashevo District; Chuvashia; Dzhambul Province, Grodno Province, Kazakhstan; Samarkand Province; Siberia; Ural Mountain region; Uzbekistan; Veshlianskaya, Rostov Province; Zernograd District)

Eleventh "A" went to the steppes. V. Aleksandrov. Sov. Soiuz no. 11:22-25 '63.

Mashenkov, V. F. [Village manpower] Trudovye resursy sela. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. V Serii: Sel'skoe khoziaistvo, no. 19)

Pupil. N. Koiserubenko. Sel'. mekh. no. 10:5 O '63.

Why the stars stopped shining? Part. zhizn' no. 23:75 D '63.

AGRICULTURAL WORKERS—EDUCATION AND TRAINING
(see also subdivision under Gizhduvan District, Gorodovikovskiy District; Krasnoyarsk Territory, Kursk Province, Penza Province, Soviet Central Asia, Tuva A. S. S. R.; Ul'yanovsk Province, Voronezh Province)

School desks should not lie fallow! Schools for rural youth. A. Chirva. Komsom. zhizn' no. 10:24-25 O '63.

Spreading knowledge of economics in the village. IU. Fishevskii. Ekon. sel'khoz. 34 no. 11:122-124 N '63.

Topic plan for a school of the "Communist Youth Lecture" Searchlight" of an agricultural administration. Komsom. zhizn' no. 19:3-6 O '63.

AGRICULTURAL WORKERS—PENSIONS

Every disabled collective farm worker should have a pension. N. Vasil'ev. Sots. obesp. 24 no. 11:4-5 S '63.

AGRICULTURE
(see also subdivision under Colombia; Europe, Western; Golodnaya Steppe; Irkutsk Province, Izbaskentskiy District; Karelia, Kopyl' District, Stavropol Territory, Tiraspol' District; Turkmenistan; Ust'-Labinsk District, Vyatka Territory; White Russia, Zeravshan Valley)

Academician N. M. Tulaikov's autobiography and his paper delivered at a conference. Submitted by N. P. Subbotin, K. P. Tulaikova. Ist. arkh. 8 no. 4:109-132 My-Je '62.

The embodiment of Lenin's great ideas. V. Polikarov. Ekon. sel'khoz. 32 no. 7:10-16 Jl '61.

The most important sector. Rab. i sial. 39 no. 11:3 cover N '63.

Plant growing of the future. O. Llalin. Nauka i zhizn' 13 no. 10:9-13 N '63.

Production of agricultural products should outstrip consumer demand. A. Korlagin. Ekon. sel'khoz. 34 no. 7:34-38 Jl '61.

Varro, Marcus Terentius. [Agriculture (Rerum rusticarum libri tres)]. Translated from the Latin] Sel'skokhoziaistvo. Kommentarii i vstupitel'naia stat'ia M. E. Sergeenko. Moskva, Izd-vo Akad. nauk SSSR, 1963. 216 p.

AGRICULTURE—ACCOUNTING
(see also subdivision under Ukraine)

For a perfect accounting on collective and state farms. Ekon. sel'khoz. 34 no. 11:119-121 N '63.

Get ready for summing up the results of the year. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:18-21 O '63.

The journal-voucher accounting system. N. K. [illegible] Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10 [illegible] '63.

Notes on books. N. Nikol'skii. Sov. profsoiuzy 19 no. 18, 10 S '63.

They have simplified the accounting for labor. I. P. Dotsenko, I. IA. Kostin, S. M. Kaz. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:26 O '63.

Vasil'ev, D. G. [Accounting in agricultural enterprises] Bukhgalterskii uchet v sel'skokhoziaistvennykh predpriiatiiakh. Moskva, Sel'khozizdat, 1963. 510 p.

AGRICULTURE—AUDIO VISUAL AIDS see subdivision under Borisovka District

AGRICULTURE—AUDITING AND INSPECTION see subdivision under Kurgan District; Vartashen District; Vologda Province

AGRICULTURE—BIBLIOGRAPHY see Bibliography—Agriculture

AGRICULTURE—CONGRESSES

Intercollege Scientific Reports Conference on the topic "Universities for Agriculture." A. G. Trutnev, A. A. Khantulev. Pochvovedenie no. 10:98-100 O '63.

AGRICULTURE—COSTS
(see also subdivision under Smolensk Province)

Distributing expenditures on combined productions. D. Dumnov and others. Ekon. sel'khoz. 32 no. 7:11-111 Jl '61.

AGRICULTURE—ECONOMIC ASPECTS
(see also subdivision under Chelyabinsk Province, Kazakhstan; Uzbekistan; Zhitomir Province)

Brogol', E. IA. [Land rent. The development of capitalism in agriculture] Zemel'naia renta. Razvitie kapitalizma v sel'skom khoziaistve. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1962. 102 p. (Lektsii po politicheskoi ekonomii, no. 9) (MH)

Conference of agricultural economists. V. Mikov. Nauch. dokl. vys. shkoly: ekon. nauki 6 no. 6:110-112 '63.

[Economic problems of agricultural development in the U. S. S. R.] Ekonomicheskie voprosy razvitiia sel'skogo khoziaistva SSSR. Moskva, Ekonomizdat, 1963. 448 p.

AGRICULTURE—ECONOMIC ASPECTS (Continued)

Fyerova, L. I. [Production and distribution balance of an agricultural production unit; method for preparation] Balans proizvodstva i raspredelenia produktsii sel'skogo khoziaistva, metodika sostavlenia. Moskva, Ekonomizdat, 1961. 146 p.

Lavrskoi, K. G. [Economics of socialist agriculture] Ekonomika sotsialisticheskogo sel'skogo khoziaistva. Moskva, Ekonomizdat, 1963. 669 p.

Overcome lagging in the science of agricultural economics faster. K. Obolenskii. Ekon. sel'khoz. 34 no. 11:15-21 N '63.

[Principles of the economics of socialist agriculture] Osnovy ekonomiki sotsialisticheskogo sel'skogo khoziaistva. Moskva, Ekonomizdat, 1963. 416 p.

The role of agricultural economists is important and responsible. Ekon. sel'khoz. 32 no. 7:3-9 Jl '61.

Spreading knowledge of economics in the village. Iu. Fishovskii. Ekon. sel'khoz. 34 no. 11:122-124 N '63.

Using the method of least squares for studying the dynamics of output, cost, and labor productivity. A. A. Degtiarkii. Vest. sel'khoz. nauki 8 no. 6:136-144 Je '63.

AGRICULTURE—FINANCE

Capital investments and their efficiency in U. S. S. R. agriculture. G. Raskin. Ekon. sel'khoz. 34 no. 11:36-50 N '63.

Kirillov, F. A. [Financing and issuing credit to agriculture] Finansirovanie i kreditovanie sel'skogo khoziaistva. Moskva, Gosfinizdat, 1963. 222 p.

AGRICULTURE—FINANCE—BIBLIOGRAPHY see Bibliography—Agriculture—Finance

AGRICULTURE—HYGIENIC ASPECTS

Review of "Industrial hygiene in agriculture." A. F. Stolianovskii. Vrach. delo no. 11,153-154 N '63.

AGRICULTURE—LABOR PRODUCTIVITY (see also subdivision under Moldavia)

Glory to work! S. Lavgan. Komm. Ukr. 38 no. 11:87-88 N '62.

Labor productivity on collective and state farms. V. Khludnikov. Vop. ekon. no. 10:85-93 O '63.

[The sense and beauty of life lies in labor] V trude - smysel i krasota zhizni. Moskva, Sovetskaia Rossiia, 1963. 124 p. (Bibliotechka v pomoshch' sel'skomu klubnomu rabotniku, no. 4)

AGRICULTURE—MAPS

Agricultural atlas of the state farm. IA. I. IUrovskii. Trudy MIIZ no. 10:3-7 '00.

AGRICULTURE—PRODUCTION STANDARDS see subdivision under Ukraine

AGRICULTURE—SAFETY MEASURES

[Labor protection in agricultural establishments] Tookaitse ja ohutustehnika pollumajandusettevotetes. Tallinn, Eesti Riiklik Kirjastus, 1963. 489 p. [In Estonian]

AGRICULTURE—STATISTICS

Figures and facts. Polit. samoobr. 7 no. 6:20-32 Ag '63.

AGRICULTURE—STUDY AND TEACHING (see also subdivision under Talov District)

Graduating student of an agricultural institution of higher learning should defend a degree project. A. I. Panin. Vest. vys. shkoly. 21 no. 11:55-56 N '63.

Living and developing phenomena, . . . L. Novikova, A. Kurakin. Nar. obr. no. 12:44-54 D '63.

Production instruction and experimental work in the Malaya Agricultural Technical School. K. Studens, P. Bul'bik. Sred. spets. obr. 10 no. 11:29-33 N '63.

AGRICULTURE, COOPERATIVE (see also subdivision under Hungary; Mongolia; Turkestan)

Golikov, V. A. [The most important stage in the development of agricultural cooperation in the U. S. S. R., 1921 to 1929] Vazhneishii etap razvitiia sel'skokhoziaistvennoi kooperatsii v SSSR (1921-1929 gg). Moskva, Sel'khozizdat, 1963. 199 p.

Lenin's plan of cooperative agriculture and the struggle of the Communist Party for the rapid development of agriculture. M. P. Pereverzeva. Uch. zap. Orekh.-Zuev. ped. inst. 20 no. 3:49-75 '63.

AGRICULTURISTS see subdivision under Krasnyy Kut District

AGRICULTURISTS—EDUCATION AND TRAINING

Future agriculturists and chemistry. M. M. Bykov. Vest. vys. shkoly. 21 no. 11:10-12 N '63.

AHMAD SHAH DORRANI, 1723 (ca.)-1772

A book on Ahmad Shah Dorrani by an Indian historian. O. Sh. Shamansurova, T. G. Abaeva. Obshchestv. nauki v Uz. 7 no. 6:71-72 '63.

AKHUND-ZADE, FETH ALI, 1812-1878

Rzaev, Agababa. [Legal theories of M. F. Akhundov] Pravovye vzgliady M. F. Akhundova. Baku, Azerbaidzhanskoe gos. izd-vo, 1962. 87 p. (Mil)

AIDS TO NAVIGATION

Modern requirements of sailing directions. O. Kondrashikhin. Mor. flot 23 no. 11:21-22 N '63.

AIR—MICROBIOLOGY

Air mycoflora in bakeries (with summary in English). F. K. Kal'vish. Vest. LGU 18 no. 21:160-167 '63.

Veisbyhora, A. IU. [Methodology of microbiological research on the air] Metody mikrobiologichnykh doslidzhen' povitria. Kyiv, Derzhmedvydav URSR, 1960. 133 p. (Bibliotcka prakticheskogo lekaria)

AIR—POLLUTION

Russia (1923- U. S. S. R.) Vsesoiuznaia gosudarstvennaia sanitarnaia inspektsiia [Methodological instructions on the organization of research on the pollution of air and the study of the effect of atmospheric pollution on the health and sanitary and hygienic living conditions of the population] Instruktivno-metodicheskie ukazaniia po organizatsii issledovaniia zagriaznenia atmosfernogo vozdukha i izucheniia vliianiia atmosfernykh zagriaznenii na zdorov'e i sanitarno-gigienicheskie usloviia zhizni naselenia. Moskva, Medgiz, 1963. 203 p.

AIR, IONIZED (see also subdivision under Saratov Province)

Hygienic importance of the determination of air ionization in some closed rooms. A. S. Poliakova. Trudy Vor. med. inst. 47:62-64 '62.

AIR BRAKES—COOLING

Testing of the coolers of the braking air." P. D. Lamba. [Sbor. trud.] RIIZHT no. 32:247-257 '61.

AIR COMPRESSORS

Kriuchkov, A. D. [Automatic control of piston compressors] Avtomatizatsiia porshnevykh kompressorov. Moskva, Mashgiz, 1963. 278 p.

AIR CONDITIONING—EQUIPMENT AND SUPPLIES

Moscow. Gosudarstvennyi proektnyi institut Santekhproekt. [Album of equipment, conditioners] Al'bom oborudovaniia, konditsionery. Moskva, 1962. 205 p.

AIR FLOW—MEASUREMENT

Automatic regulation of the blast. V. IA. Soltyk, A. V. Klibus. Lit. proizv. no. 10,15 O '63.

AIR PILOTS

Ivan Boguslavskii. F. Skripnik. Grazhd. av. 20 no. 10 8-9 O '63.

This is needed for flights. B. Evstaf'ev. Sov. voin. 45 no. 22:46 N '63.

The word does not differ from the deed. S. Komarov. Komm. Vooruzh. Sil 4 no. 23 53-55 D '63.

AIR PREHEATERS

Calculation of the heat absorption of rotary regenerative air preheaters with slotted packing. V. M. Legkii, IU. D. Koval'. Izv. vys. ucheb. zav., energ. 6 no. 10:68-77 O '63.

AIRBORNE TROOPS

Antiaircraft battery in an airborne landing. A. Vasiun'kov, A. Ryndin. Voen. vest. 43 no. 10:89-91 O '63.

The battery supports an airborne landing. I. Andriushkevich. Voen. vest. 43 no. 10:52-56 O '63.

AIRGLOW

Dependence of the twilight sky brightness on the moon's age. N. B. Divari. Geomag. i aer. 3 no. 6:1136-1138 N-D '63.

AIRPLANES—DESIGN AND CONSTRUCTION

Bulatov, G. A. [Plastic foams used in airplane manufacture] Penoplasty v aviatsionnoi tekhnike. Pod red. B. I. Loseva. Moskva, Voenizdat, 1963. 93 p. (Za voenno-tekhnicheskie znaniia)

AIRPLANES—ELECTRIC EQUIPMENT

Gavrilov, A. N., N. N. Ushakov, and N. M. TSvetkov. [Technology of airplane electric equipment] Tekhnologiia aviatsionnogo elektrooborudovaniia. Moskva, Oborongiz, 1963. 523 p.

AIRPLANES—ENGINES—ABSTRACTS

[Aircraft and rocket engines] Ref. zhur.: Av. i raket. dvig. no. 12 D '63.

AIRPLANES—JET PROPULSION

Nechaev, IU. N. [Intake devices of supersonic planes] Vkhodnye ustroistva sverkhzvukovykh samoletov. Moskva, Voenizdat, 1963. 137 p.

AIRPLANES—MAINTENANCE AND REPAIR

Internal and external potentialities. N. Markelov. Grazhd. av. 20 no. 10:21 O '63.

Life introduces amendments. E. Mukhordykh. Grazhd. av. 20 no. 10:20-21 O '63.

AIRPLANES—PILOTING

Urgent descent of the B-18 airplane. V. Sishkin, I. Simonova. Grazhd. a. 20 no. 10 16-17 O '63.

AIRPLANES—TESTING

Ordinary flight. S. Mikhailov. Smena 40 no. 12 8-9 Je '63.

AIRPLANES, MILITARY—ARMAMENT

Kon'kov, N. G. [Aircraft rocket weapons, according to data from foreign newspapers] Raketnoe oruzhie na samolete, po dannym zarubezhnoi pechati. Pod. red. V. A. Kuznetsova. Moskva, Voenizdat, 1963. 107 p. (Nauchno-populiarnaia biblioteka voennogo izdatel'stva)

AITMATOV, CHINGIZ, 1928-

Creative quests and literary achievements of Chingiz Aitmatov. M. M. Pliasts'kyi. Rad. lit. 7 no. 6 78-85 N-D '63.

AKADEMGORODOK—CONSTRUCTION INDUSTRY

At a Siberian construction site. F. Baturin. Part. zhizn' no. 23:74-75 D '63.

AKADEMGORODOK—NEWSPAPERS

At a Siberian construction site. F. Baturin. Part. zhizn' no. 23,74-75 D '63.

AKGEL', LAKE—FRESHWATER FAUNA

Ak-Gel' Lake. V. V. Vinogradov. Priroda 52 no. 10, 62-66 '63.

AKGEL', LAKE—WATER BIRDS

Ak-Gel' Lake. V. V. Vinogradov. Priroda 52 no. 10, 62-66 '63.

AKHTALA REGION (ARMENIA)—ORE DEPOSITS

Distribution of elements around the ore bodies in the Akhtala complex metal deposit. Sv. S. Mkrtchian. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 4/5:109-121 '63.

AKKURGAN DISTRICT—COLLECTIVE FARMS—MANAGEMENT

Utilize hidden potentialities, consolidate business accounting. E. Sapil'nikov. Part. zhizn' [Uzb.] 6 no. 10 68-71 O '63.

AKMOLINSK PROVINCE see Tselinograd Province

AKSU VALLEY—GLACIERS

The Ak-Su glaciers. A. A. Liblokov. Izv. Vses. geog. ob-va 95 no. 5 452-454 S-O '63.

AKTYUBINSK PROVINCE—CORN (MAIZE)

Characteristics of the growth and development of corn in Solonetz soils as related to tillage. S. Kultaev, I. O. Baitulin. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9 19-25 S '63.

AKTYUBINSK PROVINCE—SOLONETZ SOILS

Characteristics of the growth and development of corn in Solonetz soils as related to tillage. S. Kultaev, I. O. Baitulin. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9, 19-25 S '63.

AKTYUBINSK PROVINCE—WIND EROSION

Distribution of soil erosion in Aktyubinsk Province. A. F. Rodomakin. Trudy Inst. pochv. AN Kazakh. SSR 15:208-219 '63.

ALANINE

Synthesis of methyl ether of N-adenyl-5'-phenylalanine by the carbodiimide method. T. S. Riabova and others. Dokl. AN SSSR 153 no. 2 363-365 N '63.

ALAPAYEVSK DISTRICT—FARM MECHANIZATION

Practice in three-shift tractor work. A. Serkov. Ekon. sel'khoz. 34 no. 11:72-74 N '63.

ALASHEYEV BIGHT—ICE

Local movement and breaking shore ice in Alasheyev Bight. V. A. Shamont'ev. Inform. biul. Sov. antarkt. eksp. no. 42:23-25 '63.

ALATAU, TALAS see Talas Alatau

ALAVERDI (ARMENIA)—COPPER MINES AND MINING

The ancient mine came to life. Vokrug sveta no. 11:7-8 N '63.

ALAVERDI REGION (ARMENIA)—PALYNOLOGY

Find of the redeposited Upper Devonian spore complex in Jurassic sediments of the Alaverdi region. N. M. Chernyshov, G. V. Shramkova. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 4/5:167-172 '63.

ALBANIA—SOIL FORMATION

Conditions of soil formation in western Albania. Fajik Bajraktari. Dokl. TSKHA no. 47 259-262 '59

ALBEDO see subdivision under Arctic regions

ALBOMYCIN

Isolation of a biologically active component of albomycin in pure form and its thermal degradation [with summary in English]. JA. Turkova, O. Mikes, F. Sorm. Antibiotiki 7 no. 10 878-883 O '62.

Therapeutic effectiveness of albomycin and colimycin administered alone and in combination on a model of Shigella keratoconjunctivitis. V. M. Godun. Antibiotiki 7 no. 10 920-921 O '62.

ALCOHOL

Changes in the coloring of an alcoholized strawberry juice. V. V. Kosacheva. Spirt. prom. 29 no. 7 21-23 '63.

Regeneration of the wastes of alcohol used for determining the acid number of oils and fats. K I Erpuleva, Masl.-zhir. prom. 29 no. 10 39 O '63.

Results of the experimental testing of the preparation of water-alcohol solutions by the continuous method. G. S. Zelenko. Spirt. prom. 29 no. 7 33-35 '63.

ALCOHOL—THERAPEUTIC USE

Intranasal alcohol novocaine injection in some eye diseases. M. V. Isaian, G. A Babaian. Zhur. oftal. i klin. med. 3 no. 4:69-76 '63.

Treatment of hemangioma with alcohol injections in an out-patient clinic. L. M. Artamonova. Vop klin pat no 2 181-186 '61.

ALCOHOLATES

Quantitative method for determining free alkali in the presence of organic bases and alkali metal alcoholates I A Kozlov, A. G. Shablina Trudy NIISZHIMSa no. 3 23-25 '62.

ALCOHOLISM

Experimental psychological study of abstract thinking in patients with chronic alcoholism. A. N. Frishberg. Vrach. delo no. 11 147-148 N '63.

ALCOHOLISM—TREATMENT

Effectiveness of the treatment of chronic alcoholism based on catamnestic data D M. Kulik Zdrav. Bel 9 no. 3 34-36 Mr '63.

ALCOHOLS

Catalytic properties of lanthanum oxide in the reactions of dehydrogenation and dehydration of alcohols and dehydrogenation of tetralin [with summary in English]. A. A. Tolstopiatova, A. A. Balandin, IUI TSi-tsiuan' [Yu Chi-ch'uan]. Zhur. fiz. khim. 37 no. 9 2034-2040 S '63.

Effect of the extent of oxidation on the yield and composition of alcohols during the oxidation of the paraffin and unsaponifiables mixture. A. I. Il'ina. Trudy NIISZHIMSa no. 3:67-71 '62.

Effect of the extent of oxidation on the yield and composition of alcohols during the oxidation of paraffins to acids A. I. Il'ina. Trudy NIISZHIMSa no 3:61-67 '62.

Effect of the temperature and of the aggregate state of binary mixtures on their separation by means of cellophane. V. V. Kuznetsov, V. A. Maliusov. Khim. prom. no. 8 622-626 Ag '63.

Effect of water on the solubility of nystatin in lower alcohols [with summary in English]. G I Klemer, N V Ionova Antibiotiki 7 no 10 926-929 O '62.

Mutual transformations of cyclols and cyclodepsipeptides studied by the method of fragmentary mass spectrometry. . N. S. Vul'fson and others. Dokl. AN SSSR 153 no. 2:336-339 N '63.

Powdered "Molodost'" shampoo based on purified sodium alkyl sulfates of synthetic secondary alcohols. I. K. Getmanskii, I. K. Vagina, V. M. Kuprianov. Trudy NIISZHIMSa no. 3:95-96 '62.

Quantitative determination of polyatomic alcohols by the chromatogram elution method [with summary in English on p. 166]. V. N. Balakhonteseva, R. M. Poltinina. Shor. trud. NIIGS 11. 73-76 '63.

Surface tension and adsorption of some alcohols and organic acids from aqueous solutions. S. N. Aleshin. Dokl. TSKHA no. 47:157-162 '59.

ALDAN PLATEAU—SEDIMENTS (GEOLOGY)

Early Sinian volcanic sedimentary deposits of the southeastern Aldan Shield (Uchur River basin). IU. N. Gamaleia, V. E. Zabrodin, V. S. Kogen. Dokl. AN SSSR 152 no. 3:690-692 S '63.

' of fat aldehydes. A. I. Trippel', pishch. tekh. no. 5:155-157 '63.

-etermination of some aldehydes nglish]. V. I. Bodiu, IU. S. Lialikov. 8 no. 8:1007-1011 Ag '63.

aining the activity of glutamic oxse, aldolase and C-reactive protein on of macro- and microfocal myostenocardia. B. IA. Bart. Terap. 34 My '63.

one with the urine in cardiac insufary in English]. E. N. Gerasimova, .:108-111 Jl '63.

(STAVROPOL TERRITORY)—TRADE)

ales clerk. M. Shumeiko Sov. ,10:15-16 O '63.

AIL STEPANOVICH, 1863-1933

and journalist. O. Semenovskii. .9.30-43 S '63.

ALEXANDER NEVSKI, Saint, 1219-1263

Aleksandr Nevskii V. Lamin. Voen.-ist. zhur. 5 no. 11. 121-122 N '63.

Brave warrior of the Russian land. A. Sidorenka. Belarus' 20 no. 11 21 N '63.

ALFALFA—FERTILIZERS AND MANURES

Effect of soil properties and fertilizers on the winter hardiness of alfalfa and the biochemical processes in it. N. S. Avdonin, V. V. Ogleznева. Vest. Mosk. un. Ser. 6 Biol., pochv. 18 no. 4 57-68 Jl-Ag '63.

ALGAE

Study of polyphosphates in two species of green algae. V. M Vagabov, G. P. Serenkov. Vest. Mosk. un. Ser. 6 Biol., pochv. 18 no. 4 38-47 Jl-Ag '63.

ALGAE—CULTURES AND CULTURE MEDIA

Effect of the light factor on the growth and photosynthesis of Chlorella [with summary in English] A. M. Stepanova. Vest LGU 18 no. 21 72-85 '63.

ALGAE—RADIOACTIVE PROPERTIES see subdivision under Black Sea

ALGEBRA—PROBLEMS, EXERCISES, ETC.

Davydov, A. K. [Problems in algebra and elementary functions] Sbornik zadach po algebre i elementarnym funktsiiam. Posobie dlia uchitel'skikh i pedagogicheskikh institutov. Moskva, Gos. uchebno-pedagog. izdvo, 1955, 247 p.
(MaU)

ALGEBRAIC TOPOLOGY

Example of an irreducible perfect mapping of an abnormal space onto a normal one. A. S. Mishchenko. Usp. mat. nauk. 18 no. 5:181-182 S-O '63.

Zero-dimensional open mappings raising the dimension. B. A. Pasynkov. Usp. mat. nauk. 18 no. 5:183-190 S-O '63.

ALGERIA—COMMUNIST PARTY

Algeria, her path from national to social liberation. V. Kaboshkin, IU. Shchirovskii. Kommunist 40 no. 16: 110-120 N '63.

ALGERIA—CULTURE

National culture and the revolution. Bachir Hadji Ali. Az. i Afr. seg. no. 12 41-43 D '63.

ALGERIA—ECONOMIC CONDITIONS

Algeria; her path from national to social liberation. V. Kaboshkin, IU. Shchirovskii. Kommunist 40 no. 16: 110-120 N '63.

ALGERIA—ECONOMIC POLICY

The new horizons of Algeria. IU. Potemkin. Az. i Afr. seg. no. 12 5-7 D '63.

ALGERIA—FOREIGN RELATIONS—MOROCCO

Our commentaries. Nov. vrem. 21 no. 48:3-4 N '63.

ALGERIA—POLITICS AND GOVERNMENT

Consultation. Mezhdunar. zhizn' 10 no. 11:141-142 N '63.

National culture and the revolution. Bachir Hadji Ali. Az. i Afr. seg. no. 12, 41-43 D '63.

The new horizons of Algeria. IU. Potemkin. Az. i Afr. seg. no. 12:5-7 D '63.

ALGERIA—REFORESTATION

The forests of Algeria. Eva Priester. Nov. vrem. 21 no. 52:32-33 D '63.

ALGORITHMS

Algorithm for the optimization of production and the distribution of inhomogeneous products. B. S. Verkhovskii. Dokl. AN SSSR 152 no. 3:515-518 S '63.

ALGRAPHY—EQUIPMENT AND SUPPLIES

Aluminum sheets for the printing industry. V. A. Kogan, A. A. Semionov, B. V. Kagan. Standartizatsiia 27 no. 11:26-28 N '63.

ALIMENTARY CANAL

Clinical aspects of changes in the internal organs under the effect of SHF. A. A. Orlova. Trudy Inst. gig. truda i prof. zab AMN SSSR no. 1:36-40 '60.

ALIMENTARY CANAL—CANCER

Potassium balance in oncological patients in the pre- and postoperative periods. I. F. Zisman, F. M. Brandis. Zdravookhranenie 6 no. 5:40-43 S-O '63.

ALIMENTARY CANAL—DISEASES

Gastrogenic tetany. N. V. Zavadovskaia, G. V. Levashov. Klin. med. 41 no. 7:144-147 Jl '63.

Perforation of the alimentary tract. F. IU. Pisarenko. Vest. khir. 91 no. 7:80-81 Jl '63.

Treatment of gastrointestinal diseases of calves with polymyxin. A. F. Safonov, L. A. Afanas'ev, V. M. Petrov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:59-62 S '63.

ALIMENTARY CANAL—FOREIGN BODIES

Surgical procedures for foreign bodies in the gastrointestinal tract. A. M. Tetdoev. Klin. med. 41 no. 7 148-149 Jl '63.

ALIMENTARY CANAL—INNERVATION

"Interoceptive effects from the gastrointestinal tract to the heart" by I. E. Ganelina. Reviewed by I. M. Rabinovich. Kaz. med. zhur. no. 5:107-108 S-O '63.

ALIMENTARY CANAL—SURGERY

Potassium balance in oncological patients in the pre- and postoperative periods. I. F. Zisman, F. M. Brandis. Zdravookhranenie 6 no. 5 40-43 S-O '63.

Surgical procedures for foreign bodies in the gastrointestinal tract. A. M. Tetdoev. Klin. med. 41 no. 7. 148-149 Jl '63.

ALKALI LANDS see Saline and alkali soils

ALKALI METAL HALIDE CRYSTALS

Dielectric constant of alkali metal halide crystals with F and V-centers. R. E. Bublei, N. P. Kulabukhov, IU. A. Sikorskii. Izv. vys. ucheb. zav., fiz. no 3 70-83 '63.

ALKALI METAL HALIDE CRYSTALS—SPECTRA

Shape of lines in paramagnetic resonance spectra of F-centers in alkali halide crystals. M. I. Veleshchevskaia, E. D Trifonov. Fiz. tver. tela 5 no. 11:3131-3134 N '63.

ALKALI METAL HALIDE CRYSTALS—THERMOELECTRIC PROPERTIES

Simultaneous study of the electron emission and fluorescence of alkali halide crystals. P. A. Pipinis. Izv. vys. ucheb. zav., fiz. no. 5:95-102 '63.

ALKALI METAL HALIDES

Effect of anions of the bases on the trapping centers in certain alkali halide crystal phosphors with a mixed base. A. Kh. Khalilov, I. K. Isaev. Izv. AN Azerb SSR. Ser. fiz.-mat. i tekh. nauk no. 4:135-145 '63.

ALKALI METAL NITRATES

Fusibility of the reciprocal system Cs, Sr // NO_2, NO_3. P. I. Protsenko, G. K. Shardumov. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 5:707-711 '63.

ALKALI METAL SILICATES

Investigating the physicochemical properties of sodium and potassium silicates in connection with their structure. M. A. Matveev, A. I. Rabukhin. Trudy MKhTI no. 37.32-43 '62.

ALKALI METALS

Photoionization of atoms and the recombination of ions in vapors of alkali metals. IU. V. Moskvin. Opt. i spektr. 15 no. 5:582-586 N '63.

ALKALI METALS—SPECTRA

Methods of investigating the spectrum lines of alkali metal atoms with a given signal-to-noise ratio at the detector exit of an atom beam radio spectroscope. N. N. Porfir'eva, V. F. Nesterenuk. Trudy Inst. no. 36 143-147 '62.

ALKALIES

Angular distribution of ions of alkali elements scattered by a metal surface. U. A. Arifov, A. Kh. Alukhanov, A. A. Aliev. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk no. 6 57-64 '61.

Anodic evolution of oxygen on cadmium in concentrated alkali solutions. L. A. L'vova. Zhur. fiz. khim. 37 no. 9:2114-2117 S '63.

Anodic evolution of oxygen on cadmium in concentrated alkali solutions. L. A. L'vova, A. V. Fortunatov. Zhur. fiz. khim. 37 no. 9:2118-2121 S '63.

Clinker-forming compounds - water systems. Part I: Effect of alkalies and active silica on the hydration of calcium silicates. V. F. Chernykh, R. D. Azelitskaia, I. F. Ponomarev. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:834-840 '63.

Determining the acid number and free alkali in the saponified oxidate by the method of potentiometric titration. R. M. Besitskii, A. A. Karpenko. Trudy NIISZHIMSa no. 3:86-88 '62.

Ion scattering on a metal surface; experimental part. U. A. Arifov and others. Izv. AN Uz. SSR. Ser. fiz.-mat nauk no. 6:50-56 '61.

Nature of the secondary emission generated during the bombardment with alkali ions of films of alkali elements on metals. U. A. Arifov, A. Kh. Alukhanov. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk no. 6:34-39 '61.

Quantitative method for determining free alkali in the presence of organic bases and alkali metal alcoholates. I. A. Kozlov, A. G. Shablina. Trudy NIISZHIMSa no. 3 23-25 '62.

ALKALIES—ANALYSIS

Ultrasonic meter of alkali concentration. V. A. Nosov and others. Avtom. i prib. no. 4:64-66 O-D '63.

ALKALINE EARTH COMPOUNDS

Possibility of electrode processes taking place in the presence of the singly charged ions of alkaline earth metals. S. N. Pobedinskii, G. A. Krestov, L. L. Kunavina. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:768-773 '63.

ALKALINE EARTH METALS

Joint flame photometric determination of strontium, calcium, and barium in natural samples. E. A. Fabrikant, A. G. Ivanova. Trudy IMGRE, no. 18:175-185 '63.

ALKENES see Olefins

ALKYL GROUPS

Kinetics of the vapor-phase dealkylation of polyethyl benzenes over aluminosilicates. A. E. Pinsker. Khim. prom. no. 9:660-662 S '63.

ALKYLATION

Alkylation of biphenyl by olefins. Sh. T. Akhmedov, G. M. Gadzhiev. Azerb. khim. zhur. no. 3:39-47 '62.

Alkylation of toluene with acetylene in a reactor with a screened electric motor. V. G. Telegin, V. A. Sidorov. Khim. prom. no. 8:567-570 Ag '63.

Processing of a waste alkylation acid according to a simplified thermal method. K. A. Butiak, A. G. Amelin. Sbor. nauch. po obm. opyt, NIIIF no. 12:68-87 '59.

ALL-UNION COMMUNIST PARTY (BOLSHEVIK) see Communist Party of the Soviet Union

ALLERGY

Allergic reaction after a single injection of streptomycin. A. IA. Pishchenko. Khirurgiia 39 no. 7:124-125 Jl '63.

Allergic reactions due to the use of catgut. I. N. Bardadin. Vrach. delo no. 11:140-141 N '63.

Allergic skin reaction to adenoviruses. R. S. Dreizin, N. M. Puzdrinovskaia, E. L. Zolotarskaia. Vop. virus. 8 no. 2:242-243 Mr-Ap '63

Comparative evaluation of methods for detecting allergy following the vaccination of schoolchildren with BCG vaccine. I. M. Akopian. Zhur. eksp. i klin. med. 3 no. 3:49-56 '63.

Korge, Kuno. [Problems of the reactivity of the organism and desensitization therapy] Organismi reaktiivsuse ja desensibiliseeriva ravi probleeme. Tallinn, Eesti Riiklik Kirjastus, 1963. 321 p. (In Estonian with summary in Russian) (DNLM)

Hexamethylenetetrasy to meprobamate (andaxin). S. Razakas, D. Nadl. Klin. med. 40 no. 11:128-130 N '62.

"Passive" sensitization of rabbits to egg white using the serum of white rats [with summary in English]. B. V. Poluektkin. Arkh. pat. 25 no. 7:68-72 '63.

Role of industrial waste in the development of allergic diseases [with summary in English]. M. V. Khyzhnovskaia. Vrach. delo no. 11, 111-113 N '63.

Sensitization to novocaine traced for ten years. L. A. Dobychin, V. A. Lenartovich. Vrach. delo no. 11:137-139 N '63

Side effects of noxiron. K. F. Vlasov, V. V. Vali. Klin. med. 40 no. 11:130-131 N '62.

Significance of bioflavonoids in the treatment of experimental allergic arthritis. K. P. Efanova. Zdravookhranenie 6 no. 5, 60-64 S-O '63.

Types of specific allergic skin reactions in patients with foot mycoses [with summary in English]. A. P. Bazyka. Vest. derm. i ven. 37 no. 7:45-49 Jl '63.

ALLIANCE FOR PROGRESS

Insolvency of the "Alliance for Progress." E. Klusov. Nauch. dokl. vys. shkoly, ekon. nauki 6 no. 6:45-52 '63.

Political climate south of the Rio Grande. IU. Bochkarev. Nov. vrem. 21 no. 52:13-15 D '63.

A revolution "on the installment plan." V. B. Tarasov. Vop. ist. 38 no. 12:165-167 D '63.

ALLOYS—HARDENING

Sazuki atmospheres and their contribution to the hardening of hard alloys. V. E. Panin and others. Fiz. met. i metalloved. 16 no. 4:574-582 O '63.

ALLOYS—METALLOGRAPHY

Certain general problems of crystallization and microliquation in alloys. IA. N. Malinochka. Lit. proizv. no. 10:28-31 O '63.

Methods of investigating the magnetic microstructure of alloys. B. V. Molotilov. Sbor. trud. TSNIICHM no. 32, 91-99 '63.

Salli, I. V. [Physical principles in the forming of alloy structures] Fizicheskie osnovy formirovaniia struktury splavov. Moskva, Metallurgizdat, 1963. 218 p.

ALLUVIUM see subdivision under East European Plain

ALMA-ATA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

A school of propaganda mastery. K. Mukhametkaliev. Part. zhizn' Kazakh. 33 no. 11:45-47 N '63.

ALMA-ATA—COOPERATIVE SOCIETIES

Proximity to the capital makes for obligations. S. Grigor'ev. Koop. Kazakh. 6 no. 7:26-28 O '63.

ALMA-ATA—IONOSPHERIC RESEARCH

Akademiia nauk SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. Alma-Ata, Moskva. (Its: Materialy ionosfernykh issledovanii)

July-Dec. 1957, 1962. 82 p.
Jan.-Feb. 1958, 1962. 63 p.
Mar.-Apr. 1958 1962. 61 p.

ALMA-ATA—RUSSIAN SOCIAL DEMOCRATIC PARTY

"Iskra" in Verny. A. Bagratiantsev. Part. zhizn' Kazakh 33 no. 11:53-55 N '63.

ALMA-ATA—WINE AND WINE MAKING—MICROBIOLOGY

Selecting yeast for primary stages of wine making by the method of continuously improving the selection. R. D. Zubkova, M. G. Sembaeva, M. V. Fokina. Trudy Inst. mikrobiol. i virus. AN Kazakh SSR 7:60-65 '63

ALMA-ATA PROVINCE—CABBAGE—DISEASES AND PESTS

Actinomyces longisporus ruber, strain 1616, and its antibiotic substances. N. V. Abramova, V. I. Mazunina. Trudy Inst. mikrobiol. i virus. AN Kazakh SSR 7:132-136 '63.

ALMA-ATA PROVINCE—ELECTRONIC COMPUTERS

With the aid of electronic machines. K. Naimbaev. Nar. khoz. Kazakh. 21 no. 8:75-76 S '63.

ALMA-ATA PROVINCE—FALLOWING

Effect of the methods of basic tillage of the fallow on the yield of winter wheat in the unimproved dry areas of Alma-Ata Province. G. Otarov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:25-27 S '63.

ALMA-ATA PROVINCE—PASTURES AND MEADOWS

Carotene supply available to animals in the pastures of Alma-Ata Province. A. F. Mel'nik. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:27-30 S '63.

ALMA-ATA PROVINCE—SHEEP—FEEDING AND FEEDS

Carotene supply available to animals in the pastures of Alma-Ata Province. A. F. Mel'nik. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:27-30 S '63.

ALMA-ATA PROVINCE—SOIL MICRO-ORGANISMS

Effect of herbicides on the microflora of dark Chestnut soils in Alma-Ata Province. A. N. Bialetdinov, R. G. Zhanokova. Trudy Inst. mikrobiol. i virus. AN Kazakh SSR 7:163-167 '63

ALMA-ATA PROVINCE—WHEAT

Effect of the methods of basic tillage of the fallow on the yield of winter wheat in the unimproved dry areas of Alma-Ata Province. G. Otarov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:25-27 S '63.

ALMALYK—AUXILIARY POLICE

Voluntary policemen maintain law and order. V. Klimachev. Part. zhizn' [Uzb.] 5 no. 10:53-56 O '62.

ALMALYK—COMMUNIST EDUCATION

Summing up the results of the school year... S. Nasyrkhodzhaev. Part. zhizn' [Uzb.] 6 no. 6:26-28 Je '63

ALMAZ (CRUISER)

Konovalov, V. G. [Heroic deeds of the cruiser "Almaz"] Podvig "Almaza." [Odessa] Odesskoe knizhnoe izd-vo, 1963. 257 p.

ALTAI MOUNTAIN REGION—DESCRIPTION AND TRAVEL

In the Altai. A. Kondrat'kyl. Ukraina no. 11:17-18 Je '62.

ALTAI MOUNTAINS—BRACHIOPODA, FOSSIL

Kul'kov, N. P. [Brachiopods in Lower Devonian Solov'ikha layers of the Gornyy Altai] Brakhiopody solov'ikhinskikh sloev nizhnego devona Gornogo Altaia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 130 p.

ALTAI MOUNTAINS—GEOLOGY, STRATIGRAPHIC

Carboniferous of the Sayan-Altai mountain system. R. N. Benediktova. Trudy SNIIGGIMS no. 21:9-45 '62.

Current state of stratigraphic studies of the Permian in the Sayan-Altai area. L. L. Khalfin. Trudy SNIIGGIMS no. 21:361-362 '62.

Current state of the stratigraphic studies of the Carboniferous in the Sayan-Altai area. L. L. Khalfin. Trudy SNIIGGIMS no. 21:7-9 '62.

Permian sediments of the Sayan-Altai mountain area. O. A. Betekhtina. Trudy SNIIGGIMS no. 21 363-378 '62.

ALTAI MOUNTAINS—PALEOBOTANY, STRATIGRAPHIC

Studies of the development of the Upper Paleozoic flora in the Sayan-Altai area. A. R. Ananiev, S. V. Sukhov. Trudy SNIIGGIMS no. 21:76-84 '62.

ALTAI MOUNTAINS—PALEONTOLOGY, STRATIGRAPHIC

General paleontologic characteristics of the Carboniferous in the Sayan-Altai area. R. N. Benediktova. Trudy SNIIGGIMS no. 21:53-55 '62.

ALTAI MOUNTAINS—PALYNOLOGY

Carboniferous spore-pollen complexes. L. L. Driagina, A. A. Kurbatova. Trudy SNIIGGIMS no. 21:94-99 '62.

ALTAI MOUNTAINS—POLYZOA, FOSSIL

Carboniferous Polyzoa. V. B. Trizna. Trudy SNIIGGIMS no. 21:55-61 '62.

ALTAI MOUNTAINS—TRILOBITES

Class Trilobita. Z. A. Maksimova. Trudy SNIIGGIMS no. 21:186-189 '62.

ALTAI TERRITORY—ANTIQUITIES

Recorder of centuries. S. Rudenko. Zvezda no. 5:182-183 My '62.

ALTAI TERRITORY—CHEMICAL INDUSTRIES

Kurakin, A. F., L. A. Lupynin, and I. E. Malkov. [Development of the chemical industry of the Altai] Razvitie khimicheskoi promyshlennosti na Altae. Barnaul, Altaiskoe knizhnoe izd-vo, 1962. 83 p.

ALTAI TERRITORY—EDUCATION, PRESCHOOL

By common efforts. V. Fotiisi, L. Utio a. Vosp. obr. no. 9:19-23 S '63.

ALUMINOSILICATES

Aluminosilicate inclusions in steel. E. D. Mokhir. Sbor. trud. TSNIICHM no. 32:83-90 '63.

Conversions of ethylene on aluminosilicate catalysts. S. V. Markovich. Khim. i tekh. topl. i masel no. 5:753-759 S-O '63.

Effect of the chemical composition of chromiumaluminosilicate catalysts on their activity and chromium oxide forms. Z. G. Zul'fugarov, G. I. Alimardanov, Z. S. Agamirzoeva. Azerb. khim. zhur. no. 3:75-84 '62.

Solid phases formed in the system $Na_2O - Al_2O_3 - SiO_2 - H_2O$. V. S. Sazhin and others. Ukr. khim. zhur. 29 no. 11:1123-1128 '63.

ALUMINUM

Manufacture of "SKO" covers from lacquer-coated aluminum. L. S. Semenov, V. G. Varvolomeev, A. L. Iurchenko. Kons. i ov. prom. 18 no. 11:28-30 N '63.

Thermal processes in deep anodizing of aluminum. S. IA. Grillikhes, B. IA. Zil'berman. Mashinostroenie no. 5:88-90 S-O '63.

ALUMINUM—CORROSION

Protection of aluminum and its alloys against the action of the aggressive substances in the food industry. A. V. Izmailov, N. N. Danilova. Izv. vys. ucheb. zav., pishch. tekh. no. 5:98-100 '63.

ALUMINUM—METALLOGRAPHY

Comparing the degree of disorientation of separately reflecting regions in thin vacuum condensates and solid specimens of aluminum. B. T. Boiko and others. Fiz. met. i metalloved. 16 no. 4:540-543 O '63

ALUMINUM—WELDING

Pressure welding of aluminum with steel, publications review. V. R. Riabov. Avtom. svar. 16 no. 10:47-53 O '63.

ALUMINUM, STRUCTURAL

Optimal height of aluminum trusses with parallel chords. F. F. Tamplon, V. P. Sukhanov. Trud. Ural. politekh. inst. no. 131, 88-95 '63.

ALUMINUM ALLOYS

Investigating conditions of seizing during the mutual plastic deformation of duralumin-type alloys with alloys of the system Al - Mg. A. V. Malanin, A. I. Kolpashnikov, V. P. Gorokhov. Trudy MATI no. 57:66-90 '63.

Ivashchenko, T. M. [Structural steels and aluminum alloys] Stroitel'nye stali i aliuminievye splavy. Pod red. IU. M. Lakhtina. [n. p.] Rosvuzizdat, 1963. 56 p.

Manufacture of bimetal rods and wire of aluminum alloys. I. I. Ivanov, I. P. TSipulin. Trudy MATI no. 57:25-26 '63.

ALUMINUM ALLOYS—ETCHING

Chemical milling of aluminum alloys. L. S. Katsnel'son, M. S. Gladshtein, N. I. Lankina. Mashinostroenie no. 5:90-93 S-O '63.

ALUMINUM ALLOYS—FATIGUE

Linear regression analysis of the results of fatigue testing of aluminum alloys. M. N. Stepnov. Zav. lab. 29 no. 10:1212-1214 '63.

ALUMINUM ALLOYS—METALLOGRAPHY

Thermal expansion of Al-Mn and Al-Cr alloys. L. M. Burov, N. I. Varich. Fiz. met. i metalloved. 16 no. 4:530-534 O '63.

ALUMINUM ALLOYS—TESTING

Determination of the relative lengthening of aluminum alloys in the temperature range of crystallization. I. I. Novikov, V. S. Zolotarevskii. Zav. lab. 29 no. 10:1202-1204 '63.

Effect of the frequency of loading on the strength of aluminum alloys. A. Z. Vorob'ev, E. A. Gavrilova, D. IA. Kuleshov. Zav. lab. 29 no. 10:1228-1230 '63.

ALUMINUM COATING

Arc welding of aluminum and its alloys to steel with the application of an aluminum layer on steel by heating with high-frequency currents. G. A. Bel'chuk. Trudy LKI, no. 36:11-17 '62.

ALUMINUM INDUSTRY see subdivision under Achinsk (Krasnoyarsk Territory)

ALUMINUM INGOTS

Distribution of the rate of metal movement, deformation, and stress in an ingot cross section during the rolling of aluminum alloys. A. I. Kolpashnikov. Trudy MATI no. 57:5-16 '63.

ALUMINUM-MOLYBDENUM-TITANIUM ALLOYS

Photometric determination of titanium in aluminum and molybdenum-based alloys by means of diantipyrylmethane [with summary in English] L. IA. Polish. Zhur. anal. khim. 18 no. 8:956-960 Ag '63

ALUMINUM-NIOBIUM-NICKEL ALLOYS see Nickel-aluminum-niobium alloys

ALUMINUM OXIDE

Preparation of α-butylene by dehydration of n-butyl alcohol on aluminum oxide A-1. I. I. Pis'man and others. Azerb. khim. zhur. no. 3 49-58 '62

ALUMINUM PIPE see Pipe, Aluminum

ALUMINUM PLANTS—DESIGN AND CONSTRUCTION see subdivision under Pavlodar

ALUMINUM-SILVER ALLOYS—METALLOGRAPHY

X-ray scattering by an aging alloy crystal taking into account the transition layer between the Guinier-Preston zone and the matrix. O. D. Shashkov, N. N. Buinov. Fiz. met. i metalloved. 16 no. 4:628-630 O '63

ALUMS

Investigating the hardening of photographic emulsions. Part 2. Hardening with chromo-potassium alums. V. L. Zelikman. Trudy NIKFI no. 51 51-57 '62.

ALUNITE—ANALYSIS

More accurate quantitative analysis of gallium in alunites and the determination of its extractability. G. B. Shakhtakhtinskii, G. A. Shakarov, G. V. Aslanov. Azerb. khim. zhur. no. 3 93-98 '62.

AMALGAMS

Reduction of selenite ion and tellurite ion by zinc amalgam. V. P. Gladyshev, M. T. Kozlovskii. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 5:724-728 '63

AMATEUR ART ACTIVITIES see subdivision under Minsk

AMATEUR MOTION PICTURES

Let's help them by approval. V. Shakhidzhanian. Nar. obr. no. 12:96-97 D '63

Organization and technological equipment of an amateur motion-picture studio. V. A. Bondareva. Tekh. kino i telev. 7 no. 11:68-70 N '63.

AMATEUR MOTION PICTURES—EQUIPMENT AND SUPPLIES

Panfilov, N. D. [Apparatuses for clubs] Apparatura kluba. Moskva, Sovetskaia Rossiia, 1963. 230 p. (Bibliotechka v pomoshch' sel'skomu klubnomu rabotniku, no. 11)

AMATEUR RADIO STATIONS

Follow-up of articles published in our periodical. A. Kopylov, G. Bezymenskii. Radio no. 11:16-17 N '63.

Homemade transformer and choke for ultrashort wave radio station. IUn. tekh. 8 no. 11:72-74 N '63.

The tournament of the best radio amateurs. A. Grif. Radio no. 11 12-14 N '63.

Ultrashort radio waves. Radio no. 11.22 N '63.

AMATEUR THEATRICALS

[People's theaters] Narodnye teatry. Moskva, Sovetskaia Rossiia.
No. 2. 1963. 85 p. (Bibliotechka "Khudozhestvennaia samodeiatel'nost', no. 21)

AMBULANCES

telephone call. H. Volians'kyi. Ukraina no. 9:29-30 My '62.

AMERICAN PARTY

rass-knuckle crusade. The great Know-Nothing conspiracy. 1828-1860" [in English] by Carleton Beals, reviewed by Sh. Bogina. Sov. etn. no. 5 180-182 S-O '63.

AMERICIUM

itsev, A. A., and others. [Disproportionation of americium (V)] Diproportsionirovanie ameritsiia (V). Moskva, In-t atomnoi energii AN SSSR, 1960. 18 p.

itsev, A. A., and others. [Kinetics of americium (V) eduction by hydrogen peroxide] Kinetika vosstanovleiia ameritsiia (V) perekis'iu vodoroda. Moskva, In-t omnoi energii Akad. nauk SSSR, 1960. 11 p.

AMIDATION

netics of the amidation of fatty acids with monoethanolmine. F. S. Omel'chenko, M. A. Kamyshan. Masl.-hir. prom. 29 no. 11:26-28 N '63.

AMIDES

plication of potentiometric titration in the control of lkylol amide production. I. G. Reznikov, L. A. Kobzeva. rudy NIISZHIMSa no. 3:19-23 '62.

ect of alkylolamide admixtures on the properties of lkyl aryl sulfonates. D. B. Orechkin, N. V. Popova, .F. Shepotko. Masl.-zhir. prom. 28 no. 10:27-28 '62.

aining fatty acid esters in the manufacture of alkylol nides. I. G. Reznikov and others. Trudy NIISZHIMSa . 3:15-19 '62.

AMIDES—THERAPEUTIC USE

Tuberculostatic activity and chemotherapeutic effects of thio amides of pyridinecarboxylic acid in experimental tuberculosis [with summary in French]. G. N. Pershin, T. N. Zykova. Probl. tub. 40 no. 6 82-88 '62.

AMINATION

Nonenzymatic reamination of δ-aminolevulinic acid. A. E. Braunshtein, N. V. Gnuchev, A. A. Poznanskaia. Dokl. AN SSSR 152 no. 5:1239-1242 O '63.

Reductive amination of pyroracemic, oxalacetic and oxypyroracemic acids in plants. V. L. Kretovich, Z. S. Bronovitskaia, T. I. Karlakina. Dokl. AN SSSR 152 no. 5 1247-1249 O '63

AMINE OXIDASE

A new non-hydrazine inhibitor of monoamine oxidase. V. Z. Gorkin and others. Dokl. AN SSSR 153 no. 2 468-469 N '63.

AMINES

Determination of primary, secondary, and tertiary amino groups in polynuclear polyamines [with summary in English]. IU. A. Strepikheev, A. A. Zalikin, A. L. Chimishkian. Zhur. anal. khim. 18 no. 10 1262-1265 O '63.

Instability constants of geometrically isomeric platodiamines. A. A. Grinberg, E. S. Postnikova. Dokl. AN SSSR 153 no. 2 340-341 N '63.

AMINO ACIDS

Amino acid composition and biological effectiveness of some preparations for parenteral nitrogen alimentation. N. Grom and others. Izv. AN Latv. SSR no. 9 91-94 '63.

Amino acid composition of humus-type substances formed by some wood-decaying fungi [with summary in English]. A. N. Shiviina, R. A. Maslova. Pochvovedenie no. 11:63-67 N '63.

Calculating the optimal ratio of mixed feed ingredients (balancing) as related to their amino acid composition. D. I. Marnov. Trudy VNIIZ no. 43 119-136 '63.

Catalytic action of amino acids and amines in organic reactions. Part 10. Specific action of amino acids and amines in crotonic and aldol condensations of butyraldehyde. T. S. Boiko, N. V. Volkova, A. A. IAsnikov. Ukr. khim. zhur. 29 no. 11:1179-1187 '63

Isolation of a biologically active component of albomycin in pure form and its thermal degradation [with summary in English] JA. Turkova, O. Mikes, F. Sorm. Antibiotiki 7 no. 10 878-883 O '62

Soveshchanie po voprosam aminokislotnogo pitaniia sel'skokhoziaistvennykh zhivotnykh. 1st, Kharkov, 1962. [Amino acid nutrition of swine and poultry] Aminokislotnoe pitanie svinei i ptitsy; [materialy]. Pod red. N. F. Rostovtseva. Moskva, Sel'khozizdat, 1963. 218 p. (DNAL)

AMINO COMPOUNDS—SPECTRA

Role of the benzene ring and functional groups in the origin of the absorption bands in some nitro and amino compounds. IU. P. Morozova, V. I. Danilova. Izv. vys. ucheb. zav.; fiz. no. 5:61-67 '63.

AMINO GROUP

Determination of primary, secondary, and tertiary amino groups in polynuclear polyamines [with summary in English]. IU. A. Strepikheev, A. A. Zalikin, A. L. Chimishkian. Zhur. anal. khim. 18 no. 10.1262-1265 O '63.

AMINOLEVULINIC ACID

Nonenzymatic reamination of δ-aminolevulinic acid. A. E. Braunshtein, N. V. Gnuchev, A. A. Poznanskaia. Dokl. AN SSSR 152 no. 5:1240-1242 O '63.

AMMONIA

Active centers of platinum adsorption catalysts in ammonia oxidation. V. I. Shekhobalova, N. I. Kobozev. Zhur. fiz. khim. 37 no. 9:2131-2132 S '63.

Kinetics of ammonia synthesis when the catalyst is poisoned by water vapor. I. A. Smirnov, N. M. Morozov, M. I. Temkin. Dokl. AN SSSR 153 no. 2:386-389 N '63.

AMMONIA AS FERTILIZER

Advantages of using liquid ammonia in mechanized fertilizing of fields. M. A. Litvinov. Shor. rab. GOSNITI no. 16:20-27 [61].

Dynamics of nitrogen in soil after the application of ammonia water. P. M. Smirnov, E. I. Fedicheva. Dokl TSKHA no. 47:66-70 '59.

AMMONIUM CHLORIDE

Absorptive character of changes in the aspect of *ammonium chloride* crystals under the effect of NH_4Cl. A. P. Liubchenko, D. G. Sherman. Fiz. met. i metalloved. 16 no. 4:636 O '63.

AMMONIUM SALTS

Separation of ammonium salts of naphthenic acids from oil in an electrical field. A. A. Agaev. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 12:95-98 '61.

AMMONIUM SULFATE

Method for determining the total ammount of [illegible] stances in ammonium sulfate. N. A. [illegible] man. Koks i khim. no. 11,17 '63.

Raman effect in the ferroelectric crystal of [illegible] sulfate. A. I. Stekhanov, Z. A. Gabrielian [illegible] tela 5 no. 11 3105-3109 N '63

AMNIOTIC FLUID

Amniotic fluid embolism, associated afibri[illegible] and acute renal insufficiency [with summary in English]. G. E. Gofman, E. M. IUsim. Akush. i gin. 39 J1-Ag '63.

Diagnosis of escape of the amniotic fluid. [illegible] va. Kaz. med. zhur. no. 5 63-66 S-O '63.

Diagnosis of the bursting of waters [with summary in English]. V. I. Vartapetova. Akush. i gin. 39-42 J1-Ag '63.

Evaluation of the method of determining the [illegible] waters by detection of crystals in vaginal [illegible] K. M. Bakevich. Akush. i gin. 39 no. 4 [illegible] '63

Hyaluronidase activity of the amniotic fluid [illegible] pregnancy and in hydramnios [with summary in English] N. V. Denskikh, L. N. Ivanova. Akush. i gin. 79-81 J1-Ag '63.

AMPEROMETRIC ANALYSIS see Conductometric analysis

AMPHIBIA—EMBRYOLOGY see Embryology, Amphibia

AMPHIBOLE

Resources of amphibole asbestos and [illegible] their utilization as fillers. IU. K. Andr[illegible] IGEM no. 95.61-70 '63.

AMPLIFIERS (ELECTRONICS)

Analysis of a reactive capacitive amplifier [illegible] shvilo, N. D. Porokhin. Radiotekhnika [illegible] 53 O '63.

Applicability of the method of Quate's [illegible] and backward-wave magnetron amplifiers [illegible] bentsev. Izv. vys. ucheb. zav., radiofiz. [illegible] 856 '63.

Chesnokov, A. A. [Operational amplifiers] [illegible] usilitelei. Moskva, Gosenergoizdat, 1963. 62 p. (Biblioteka po avtomatike, no. 78)

Relative instability of the principal parameters of amplifiers. L. IA. Nagornyi. Izv. vys. ucheb. zav. radiotekh. 6 no. 5 514-523 S-O '63.

AMPLIFIERS (ELECTRONICS)—MEASUREMENTS

Measurements in the adjustment of low-frequency [illegible] flers. IU. Kudriavtsev. Radio no. 11 [illegible]

AMPLIFIERS, ELECTRON-TUBE

Comparison of the circuits of a wide-band [illegible] fier using two shielded tubes. O. V. [illegible] vys. ucheb. zav., radiotekh. 6 no. 5:[illegible]

Compensation of the frequency characteristic [illegible] ShRPS-IV linear amplifier. Ia. P. [illegible] telem. i sviaz' 7 no. 11:36-37 N '63.

Electrometric amplifier. B. I. Zaikin, M. [illegible] M. E. Slutskii. Prib. i tekh. eksp. 8 no. 4 [illegible] '63.

High-stability amplifier with distributed [illegible] A. M. Gasanov. Prib. i tekh. eksp. 8 no. 4 [illegible] '63.

Highly sensitive d-c amplifier with a superconducting modulator. V. N. Kuchinskii. Prib. i tekh. eksp. no. 5:207-210 S-O '63.

Preamplifier combined with a low-capacitance [illegible] counter. E. A. Afanas'eva, G. A. Konenkova. [illegible] eksp. 8 no. 5:110-111 S-O '63.

Thermally stable electronic amplifiers. V. P. [illegible] Vop. pered. informa. 2:116-130 '63.

Voltage amplifier on a cathode follower. Ia. N. [illegible] Prib. i tekh. eksp. 8 no. 4 88-89 J1-Ag '63.

Wide-band high frequency amplifier. G. Kr[illegible] no. 11:37-39 N '63.

AMPLIFIERS, TRANSISTOR see Transistor amplifiers

AMPUTATION STUMP

Method of treating nerve trunks in amputation [illegible] Kamaev. Trudy Ukr. nauch.-issl. inst. ortop. [illegible] no. 15:225-226 '59.

AMPUTATIONS OF ARM

Late results of the use of active prosthesis [illegible] amputation of both humeri, as well as the [illegible] a humerus and the exarticulation of the [illegible] joint. E. D. Ivanenkova, E. K. Mikhailova. [illegible] nauch.-issl. inst. ortop. i travm. no. 15 21[illegible]

AMPUTATIONS OF LEG

Osteoplastic amputations of the leg according to [illegible] method in patients with injuries of the peripheral [illegible] in the lower extremities. L. A. IAkubinas. [illegible] Ukr. nauch.-issl. inst. ortop. i travm. [illegible] 59.

AMPUTEES—REHABILITATION

Epicritic sensitivity in the defects of extremities and its importance in training for work and in prosthesis, Trudy Ukr. nauch. -issl. inst. ortop. i travm. no. 15, 249-254 '59.

Self-service, adaptation to work, and rehabilitation of armless persons following surgery splitting the forearm. K. I. Ostapko. Trudy Ukr. nauch. -issl. inst. ortop. i travm. no. 15 243-248 '59.

AMUR VALLEY—GEOLOGY, STRATIGRAPHIC

Recent data on the Jurassic stratigraphy of the western part of the upper Amur Valley. G. I. Bulicheva, E. A. Pozdniagin. Dokl. AN SSSR 152 no. 3 684-686 S '63.

AMUR VALLEY—SOILS—IODINE CONTENT

Iodine content of soils in the Amur basin. B. A. Zimovets, A. I. Zelenova. Pochvovedenie no. 11:25-35 N '63.

ANABAR SHIELD—DOLOMITE

Stratigraphy of Cambrian dolomite formations in the western margin of the Anabar Shield. V. E. Savitskii, V. M. Rudiachenok. Inform. sbor. NIIGA no. 31 11-25 '62.

ANABAR SHIELD—GEOLOGY, STRATIGRAPHIC

Sinian sediments in the southeastern and eastern slopes of the Anabar Uplift. B. G. Lopatin. Inform. sbor. NIIGA no. 32 21-26 '62.

Stratigraphy of Cambrian dolomite formations in the western margin of the Anabar Shield. V. E. Savitskii, V. M. Rudiachenok. Inform. sbor. NIIGA no. 31:11-25 '62.

ANABAR VALLEY—KIMBERLITE

Kimberlites of the Anabar-Olenek area and their genesis. V. A. Milashev, M. I. Rabkin. Trudy IAFAN AN SSSR, Ser. geol. no. 9:45-53 '63.

ANALOG MULTIPLIERS

Multiplying devices using varistors. P. A. Matevosian. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 5 3-9 '63.

ANALYSIS, THERMAL see Thermal analysis

ANALYTIC FUNCTIONS see Functions, Analytic

ANALYTICAL CHEMISTRY see Chemistry, Analytical

ANALYTICAL GEOMETRY see Geometry, Analytic

ANALYTICAL MECHANICS see Mechanics, Analytic

ANAN'EV, ANATOLII ANDREEVICH

On the 20th anniversary of the Battle of Kursk. Evgenii Vorob'ev. Sov. voin 45 no. 12:33 Je '63.

ANAPHYLAXIS

"Passive" sensitization of rabbits to egg white using the serum of white rats [with summary in English]. B. V. Polushkin. Arkh. pat. 25 no. 7:68-72 '63.

Severe anaphylactic shock following the introduction of penicillin. A. I. Ryvkin, S. F. Biliianskii. Vrach. delo no. 11:139-140 N '63.

ANASTASIIA NIKOLAEVNA, GRAND DUCHESS, 1901-

The tale about a squeezed lemon; a feuilleton. V. Novyi. Nov. vrem. 21 no. 46:27-28 N '63.

ANATOMY

"Surgical anatomy of the fascias and cellular spaces in man" by V. V. Kovanov, T. I. Anikina. Reviewed by P. P. Kulik. Khirurgiia 39 no. 7:136-138 Jl '63.

ANATOMY—CONGRESSES

Vsesoiuzni s"ezd anatomov, gistologov, i embriologov, 6th, Kiev, 1958. [Transactions of the Sixth All-Union Congress of Anatomists, Histologists and Embryologists] Trudy. Khar'kov, M-vo zdravookhraneniia SSSR.
Vol. 2. 1961. 791 p.

ANATOMY, HUMAN

Anatomy denies God. N. Volkova. Znan. ta pratsia no. 10 11-14 O '63.

ANATOMY, PATHOLOGICAL
(see also subdivision under Hungary)

"Pathological anatomy of occupational diseases." Reviewed by E. A. Savina, V. G. Naumenko. Sud. -med. ekspert. 6 no. 4:56-57 O-D '63.

Ways of further development of pathoanatomical service in the Soviet public health system. R. D. Shtern, A. M. Vikhert. Arkh. pat. 25 no. 7.3-13 '63.

ANATOMY, PATHOLOGICAL—CONGRESSES

Second Republic Conference of Pathoanatomists of Latvia. IU. IA. Berzins and others. Arkh. pat. 25 no. 6:78-81 '63.

ANATOMY, SURGICAL AND TOPOGRAPHICAL

Moscow. Pervyi meditsinskii institut. [Special methodology for practical work in topographic anatomy and operative surgery] Chastnaia metodika prakticheskikh zaniatii po topograficheskoi anatomii i operativnoi khirurgii. Izd. 2., perer. i dop. Pod red. V. V. Kovanova. Moskva, 1963. 224 p.
(DNLM)

ANCIENT HISTORY see History, Ancient

ANDESITES see subdivision under Transcarpathia

ANDIZHAN—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

A live spring of initiative. B. Aleksandrov. Part. zhizn' [Uzb.] 6 no. 10:74-76 O '63.

ANDIZHAN—TEACHERS, TRAINING OF

Cooperation between a department of education and schools. M. Shchelkunov. Sov. pedag. 27 no. 10:159-160 O '63

ANDIZHAN PROVINCE—COTTON—CLEANING

According to his heart's command. V. Bogatyrev. Part. zhizn' [Uzb.] 6 no. 10:78-79 O '63.

ANDIZHAN PROVINCE—TEACHERS

According to his heart's command. V. Bogatyrev. Part. zhizn' [Uzb.] 6 no. 10:78-79 O '63.

ANDREEVA, MARIIA FEDOROVNA, 1868-1953

Andreeva, M. F. [Correspondence, reminiscences, articles, documents, reminiscences about M. F. Andreeva] Perepiska, vospominaniia, stat'i, dokumenty, vospominaniia o M. F. Andreevoi Izd 2., dop. Moskva, Iskusstvo, 1963. 724 p. illus.

ANDRZEJEWSKI, JERZY

Creative history of the novel "Ashes and diamonds" by Jerzy Andrzejewski. S. G. Petrov. Slav. filol. [Mosk. un.] no. 4 271-287 '63.

ANEMIA

Capacity of blood serum to fix iron in patients with aplastic anemia. G. A. Sitnikova. [Sbor. trud.] L'vov. nauch. -issl. inst. perel. krovi i neotlozh. khir. no. 4 71-75 '60.

The course of pregnancy and labor in anemia patients [with summary in English]. Din IAn' [Ting Yen]. Akush. i gin. 39 no. 4:70-74 Jl-Ag '63.

Functional state of the adrenal glands in hypoplastic and aplastic anemia and leukemias. G. A. Sitnikova, IA. I Vygovskaia. [Sbor. trud.] L'vov. nauch. -issl. inst. perel. krovi i neotlozh. khir. no. 4:100-109 '60.

Hypochromic anemia in pregnancy [with summary in English]. R. N. Guseinov, L. R. Kerimova. Akush. i gin. 39 no. 4:66-70 Jl-Ag '63.

Materials on the correlation of stomach lesions with the development of anemia. V. V. Morenov, D. G. Petrov. [Sbor. trud.] L'vov. nauch. -issl. inst. perel. krovi i neotlozh. khir. no. 4:50-54 '60.

Pathogenesis of anemia in rheumatoid arthritis [with summary in English]. S. I. Riabov, M. M. Shcherba, G. M. Roshchina. Terap. arkh. 35 no. 5:82-86 My '63.

Serum iron and bilirubin in patients with aplastic anemia. G. A. Sitnikova. [Sbor. trud.] L'vov. nauch. -issl. inst. perel. krovi i neotlozh. khir. no. 4:126-131 '60.

State of the coronary circulation in patients with anemia during the process of treatment. G. A. Nargizian, M. S. Kiandarian. Znur. eksp. i klin. med. 3 no. 4:35-39 '63.

Transfusion of a leucocyte mass in acute agranulocytosis, and hypoplastic and aplastic anemia. A. P. Kuchuk. [Sbor. trud.] L'vov. nauch. -issl. inst. perel. krovi i neotlozh. khir. no. 4:142-147 '60.

ANESTHESIA

Anesthesia in hemorrhagic gastric and duodenal ulcers. V. B. Rumiantsev. Khirurgiia 39 no. 7:99-106 Jl '63.

Bronchoscopy under anesthesia with automatically controlled respiration [with summary in English]. E. E. Sinevich. Vest. khir. 91 no. 7:60-66 Jl '63.

Combined action of various ganglionic blocking preparations in establishing a cholinergic block in anesthesia. N. A. Dol'nikov. Khirurgiia 39 no. 7:43-49 Jl '63.

Electroencephalography in superficial fluothane anesthesia. V. IU. Ostrovskii, R. G. Alekhina. Khirurgiia 39 no. 7.39-43 Jl '63.

Reflex arrest of cardiac activity during anesthesia. E. G. Millner. Khirurgiia 39 no. 7:80-82 Jl '63.

Selection of an anesthetic method in pulmonary resection in tuberculosis [with summary in French]. L. G. Marchenko. Probl. tub. 40 no. 6:63-68 '62.

Some problems of anesthesia and resuscitation in traumatology. I. L. Krupko and others. Ortop., travm. i protez. 24 no. 6:72-81 Je '63.

Use of gas anesthesia in the analgesic stage for the treatment of massive postoperative pulmonary atelectasis. V. IA. Pikaleva, G. L. Kotomina. Khirurgiia 39 no. 7:82-85 Jl '63.

Work of an anesthetist. S. S. IAkushev. Med. sestra 22 no. 10:43-46 O '63.

Zaitsev, G. P., and V. A. Gologorskii. [Potentiated anesthesia in the surgical clinic] Potentsirovannyi narkoz v khirurgicheskoi klinike. Moskva, Medgiz, 1963. 248 p.
(DNLM)

ANESTHESIA—EQUIPMENT AND SUPPLIES

Modification of mask anesthesia. L. N. Ariaev. Khirurgiia 39 no. 7:122-124 Jl '63.

ANESTHESIOLOGY

Atanasov, A., and P. Abadzhiev. [Anesthesiology. Translated from the Bulgarian] Anesteziologiia. 3, izd. Pod red. St. Dimitrov. Sofia, Meditsina i fizkul'tura, 1963. 460 p.
(DNLM)

Minutes of Surgical Societies Vest. khir. 91 no. 7:172-179 Jl '63.

Minutes of the Anesthesiological Section of the Pirogov Surgical Society for meetings Nos. 57 and 58. Vest. khir. 90 no. 6 154-157 Je '63.

ANESTHESIOLOGY—EQUIPMENT AND SUPPLIES

Simple method for determining the pressure in anesthetic equipment V. T. Kulishov Zdrav. Bel. 9 no. 3 88-89 Mr '63.

ANESTHETICS

Pros and cons of fluothane anesthesia [with summary in English]. V. M. IUrevich. Khirurgiia 39 no. 7 25-33 Jl '63.

Relation of the ether concentration in the venous blood to the electroencephalographic curve in ether-oxygen and nitrous oxide-ether-oxygen anesthesia during heart operations [with summary in English]. G. I. Ostapenko. Khirurgiia 39 no. 7:74-80 Jl '63.

Use of viadril in clinical practice. M. I. Fuzin, V. I. Sachkov, N. V. Kiseleva. Khirurgiia 39 no. 7 19-25 Jl '63.

ANGARSK—PETROLEUM WORKERS

There are no meetings without songs. IUrii Andreev. Komsom. zhizn'. no. 22 21-22 N '63.

ANGINA PECTORIS

Coronary pain syndrome in sympathicoganglionitis. N. I. Speranskii, L. I. Sorokina. Klin. med. 41 no. 7 13-18 Jl '63.

ANGIOCARDIOGRAPHY

Vishnevskii, A. A., P. N. Mazaev, and A. D. Dzhagarian. [Atlas of angiocardiography, congenital heart defects] Atlas angiokardiografii; vrozhdennye poroki serdtsa Erevan, Armianskoe gos. izd-vo, 1963. 354 p.
(DNLM)

ANGIOGRAPHY

Angiopulmonography in the diagnosis of the middle lobe syndrome [with summary in English]. A. G. Kochetkova. Khirurgiia 39 no. 7.115-120 Jl '63.

Methods of intravital coronary arteriography; a review of foreign literature. T. D. Figurina, M. P. Romankova Vest. khir. 91 no. 7.95-98 Jl '63.

Pelvic phlebography in tumors of the urinary bladder. L. A. Rozneritsa. Zdravookhranenie 6 no. 5:35-37 S-O '63.

ANGLE—MEASUREMENT

Eidinov, V. IA. [Measurement of angles in the machinery industry] Izmerenie uglov v mashinostroenii. Moskva, Standartgiz, 1963. 413 p.

ANGLO-GERMAN NAVAL AGREEMENT, 1935

The price of nearsighted policy. V. Popov. Mezhdunar. zhizn' 10 no. 11.96-103 N '63.

ANGREN RIVER—FLOODS

Several remarks on A. A. IAblokov's work "Causes of the catastrophic flood of the Angren River in 1959." M. V. Burkova. Izv. Vses. geog. ob-va 95 no. 5 460-462 S-O '63.

ANIMAL LOCOMOTION

Energy expenditure during the motion of prawns [with summary in English]. V. S. Ivlev. Zool. zhur. 42 no. 10.1465-1471 '63.

ANIMAL MIGRATION see subdivision under Voronezh Preserve

ANIMALS, FOOD HABITS OF

Feeding habits of foxes in Uzbekistan [with summary in English]. G. I. Ishunin. Zool. zhur. 42 no. 10:1567-1573 '63.

Feeding habits of the Oriental Vole Microtus maximowiczii Sch. in the Selenga Delta [with summary in English]. IU. G. Shvetsov. Zool. zhur. 42 no. 9:1420-1423 '63.

ANIMALS, TRAINING OF

Durova, A. V. [Theater of animals] Teatr zverei. Moskva, Izd-vo "Detskii mir" M-va kul'tury RSFSR, 1963. 62 p. illus.

ANIMALS AS CARRIERS OF DISEASE

Natural focus of leptospirosis of the serological group hebomadis in Rostov Province [with summary in English]. N. M. Blagoveshchenskaia, V. F. Kondratenko, L. V. Zarubina. Zool. zhur. 42 no. 10:1561-1566 '63.

ANKLEBONE—FRACTURE

Fractures of the talus. N. A. Engalycheva. Trudy Ukr. nauch. -issl. inst. ortop. travm. no. 15:195-198 '60.

ANKYLOSIS

Corrective osteotomy with transposition of the hip in ankylosis in the coxofemoral joint. V. V. Korzh. Ortop., travm. i protez. 24 no. 6 56-64 Je '63.

Reconstructive osteotomy of the hip with intraosseous fixation by a metallic pin. T. V. Rozenko. Ortop., travm. i protez. 24 no. 6 61-64 Je '63.

ANNA DISTRICT—AGRICULTURAL ADMINISTRATION

Establishment. V. Popov. Sov. profsoiuzy 19 no. 18 11 S '63.

ANNA DISTRICT—TRADE UNIONS

Establishment. V. Popov. Sov. profsoiuzy 19 no. 18 11 S '63.

ANNEALING OF METALS

Effect of external stresses during the annealing of cold-worked L62 brass on its mechanical properties. I. M. Butkevich, M. B. Mukhogon, V. F. Osukhovskii. Fiz. met. i metalloved. 16 no. 4 583-588 O '63.

ANOXEMIA

Effect of hemic hypoxia of the organism on the state of the stomach mucosa and its motor activity. V. V. Merenov. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4 85-99 '60

Significance of methemoglobinemia in the pathogenesis of oxygen insufficiency in pneumonia in children. Report No. 2 [with summary in English]. T. A. Lebedinskaia, A. A. Ananenko. Pediatriia 41 no. 7 32-37 Jl '63.

ANTARCTIC REGIONS

[The Antarctic, reports of the Commission for 1962] Antarktika, doklady komissii 1962. Moskva, Izd-vo Akad. nauk SSSR, 1963. 179 p.

ANTARCTIC REGIONS—EARTH—SURFACE

Geophysical studies of the earth's crust in the transition zone from Antarctica to the Indian Ocean in the area between 55° and 100° E. V. A. Gladun and others. Dokl. AN SSSR 153 no. 2,427-428 N '63.

ANTARCTIC REGIONS—FISHES

Big fishes in the Antarctics. A. P. Andriashev. Inform. biul. Sov. antark. eksp. no. 42 62-63 '63

ANTARCTIC REGIONS—GEOLOGY, STRUCTURAL

Geophysical studies of the earth's crust in the transition zone from Antarctica to the Indian Ocean in the area between 55° and 100° E. V. A. Gladun and others. Dokl. AN SSSR 153 no. 2 427-428 N '63.

ANTARCTIC REGIONS—GEOPHYSICAL RESEARCH

By radio from Antarctica. Inform. biul. Sov. antark. eksp. no. 42, 59-61 '63

ANTARCTIC REGIONS—ICE

Role of meteorological conditions in the formation of snow-ice surfaces in Antarctica. I. D. Kopanev. Probl. Arkt. i Antark. no. 14 47-52 '63.

Sun as a sculptor. N. I. Barkov. Inform. biul. Sov. antark. eksp. no. 42, 63-64 '63.

ANTARCTIC REGIONS—METEOROLOGICAL RESEARCH

By radio from Antarctica. Inform. biul. Sov. antark. eksp. no. 42 59-61 '63.

ANTARCTIC REGIONS—PENGUINS

Distribution of Emperor penguins. E. S. Korotkevich. Inform. biul. Sov. antark. eksp. no. 42 37-44 '63.

ANTARCTIC REGIONS—RUSSIAN EXPLORATIONS

In the ice fields of the sixth continent. A. Dralkin. Kul't. i zhizn' 7 no. 11:6-9 '63.

ANTARCTIC REGIONS—SNOW

Role of meteorological conditions in the formation of snow-ice surfaces in Antarctica. I. D. Kopanev. Probl. Arkt. i Antark. no. 14 47-52 '63.

ANTARCTIC REGIONS—SOLAR RADIATION

Sun as a sculptor. N. I. Barkov. Inform. biul. Sov. antark. eksp. no. 42 63-64 '63.

ANTENNAS (ELECTRONICS)

Inconsistency of the integral equation for antennas. I. G. Kiiatskin. Dokl. AN SSSR 152 no. 5 1089-1091 O '63.

Metal-plate lense for circular polarization with potential zoning. Iu. IA. Iurov, Iu. E. Lavrenko. Izv. LETI no. 47 56-62 '62.

Shubarin, Iu. V., and A. F. Zorkin. [Antenna measurements at superhigh frequencies] Antennye izmerenila na sverkhvysokikh chastotakh; antennyi praktikum. Khar'kov, Izd-vo Khar'kovskogo univ., 1962. 170 p.

Simplified calculation of the directional properties of a parabolic antenna. O. G. Vendik. Izv. LETI no. 47 98-108 '62.

Synthesis of an antenna with plane aperture. L. G. Zelkin. Radiotekh. i elektron. 8 no. 12;1980-1987 D '63.

Theory of plane horns with round edges. B. E. Kinber. Radiotekh. i elektron. 8 no. 12;2078-2082 D '63.

ANTISEPTIC SURGERY see Surgery, Aseptic and antiseptic

ANTHELMINTICS

Antiparasitic forage plants [with summaries in English, German, and French]. R. S. Chebotarev. Vest. sel'khoz. nauki 8 no. 6 77-81 Je '63.

ANTHRACENE—ABSORPTION SPECTRA

Concentration effect in the absorption spectra and electron paramagnetic resonance of adsorbed molecular ions of anthracene. V. V. Barachevskii, V. E. Kholmogorov, A. N. Terenin. Dokl. AN SSSR 152 no. 5 1143-1146 O '63.

ANTHRAQUINONES

Polarographic reduction of 2-ethylanthraquinone in dimethylformamide [with summary in English]. E. I. Klabunovskii, N. A. Dzerskaia. Zhur. anal. khim. 18 no. 8;989-993 Ag '63.

ANTHRAQUINONES—OPTICAL PROPERTIES

Increasing the lightfastness of solutions of anthraquinone derivatives in Bonti Eger's reaction. V. I. Kriventsov. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1,106-109 '62.

ANTHRAX

Effect of antibiotics on Bacillus anthracis in vitro [with summary in English]. V. M. Novykov. Mikrobiol. zhur. 25 no. 5 67-70 '63.

ANTHROPOLOGY see subdivision under Lithuania

ANTHROPOLOGY—CONGRESSES

Fourth meeting of the working organizational committee of the Seventh International Congress of Anthropological and Ethnographical Sciences. K. V. IAkimova. Sov. etn. no. 5 131-136 S-O '63.

ANTIAIRCRAFT ARTILLERY

Antiaircraft battery in an airborne landing. A. Vasiun'kov, A. Ryndin. Voen. vest. 43 no. 10,89-91 O '63.

Automatic-control attachment. N. Nikiforenko. Voen. vest. 43 no. 10 94-95 O '63.

Everyone must become an expert. V. Chertov. Voen. vest. 43 no. 11 102-104 N '63.

High trust of the motherland. S. S. Biriuzov. Sov. voin 14 no. 2-3 Ja '63.

So that the fire may be accurate. G. Pyshnenko. Voen. vest. 43 no. 11-105-106 N '63.

ANTIBIOTICS

Actinomyces longisporus ruber, strain 1618, and its antibiotic substances. N. V. Abramova, V. I. Mazunina. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7 132-136 '63.

Action of antibiotics on the pathogen of tetanus in experiments in vitro and on animals [with summary in English]. G. I. Kremlev. Antibiotiki 7 no. 10-907-911 O '62

Antibiotic properties of the group of blue and violet actinomycetes from the soils of Kazakhstan. E. T. Nikitina, Z. I. Alekseeva. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7 147-156 '63.

Antibiotic therapy in infectious bacterial pulmonary processes in poliomyelitis with respiratory disorders [with summary in English]. V. P. Dotoshchuk. Antibiotiki 7 no. 10 931-935 O '62.

Chromatographic study of the antibiotic substances of Actinomyces longisporus ruber, strain 1618. N. V. Abramov, V. P. Migalina. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7,137-146 '63.

Comparative study of coelicomycin and antibiotics of the typical strains of Actinomyces coelicolor. L. A. Vetlugina, U. A. Sartbaeva, M. V. Goloskokova. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:110-115 '63.

Contemporary tactics of pediatricians and surgeons in treating empyema in children. I. P. Bakulis, J. K. Gaujens. Pediatriia 41 no. 7;38-40 Jl '63.

Effect of antibiotics on Bacillus anthracis in vitro [with summary in English]. V. M. Novykov. Mikrobiol. zhur. 25 no. 5 67-70 '63.

Effect of the disruption of higher nervous activity on the effectiveness of antibiotic treatment. V. S. Novstrueva. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1;170-174 '58.

Experimental study of the antitumor activity and effect on the body of antibiotic 323/58 [with summary in English]. L. E. Gol'dberg and others. Antibiotiki 7 no. 10.884-888 O '62.

Intraintestinal introduction of antibiotics in laparotomy; preliminary report [with summary in English]. A. M. Betuneli, D. A. Khakulashvili. Klin. med. 41 no. 7; 83-86 Jl '63.

Materials on the variability of the antigenic bacterial properties under the influence of antibiotics. E. G. Livkina. Trudy Khab. med. inst. 23 no. 2;80-87 '62.

Protein composition of the blood serum in antibiotic therapy. E. A. Govorovich. Klin. med. 41 no. 7;85-91 Jl '63.

Significance of Candida in the antibiotic treatment of chronic inflammation of the biliary tract. A. M. Margolin, A. A. Medvedkova, N. P. Oyslannikova. Kaz. med. zhur. no. 5 15-17 S-O '63.

Testing of the chemotherapic activity of monomycin in experimental cutaneous leishmaniasis in white mice [with summary in English]. O. I. Kelina. Med. parazit. i parazit. bol. 32 no. 5 572-576 S-O '63.

Therapeutic properties of the antibiotic 1921 in chromomycosis. B. D. Dzhamalieva, Z. I. Alekseeva. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7,149-151 '63.

Treatment of acute suppurative diseases of the lungs by intraosseous introduction of antibiotics in a novocaine solution [with summary in English]. M. M. Likhterov. Vest. khir. 90 no. 6,105-106 Je '63.

Upgrading of sulfite liquor for the biosynthesis of antibiotics [with summary in English on p. 167]. S. A. Sapotnitskii, N. V. Glushchenko. Sbor. trud. NIIGS 11 102-105 '63.

Variability of the scleroma agent in the process of its adaptation to antibiotics (streptomycin, levomycetin, biomycin and tetramycin). L. M. Leibina. Trudy khar. med. inst. 23 no. 2;88-90 '62.

ANTIBIOTICS—SIDE EFFECTS

Side effect of antibiotics. B. A. Krivoglaz. Feldsh. i akush. 28 no. 11-21-24 N '63.

ANTICOAGULANTS (MEDICINE)

Cases of hemorrhagic complications following the use of anticoagulants in myocardial infarct [with summary in English]. A. S. Smetnev, N. A. Makarova, E. G. Pilkaupova. Ter. arkh. 35 no. 5 39-44 My '63.

Prolonged anticoagulant therapy in cardiovascular diseases. I. Kenedi. Ter. arkh. 35 no. 5 11-16 My '63.

ANTIGENS AND ANTIBODIES

Comparative evaluation of the results of an antiglobulin test in a classic arrangement and its modification with a prepared antigen. N. A. Novosad [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4 44-49 '60.

Detection of antigens in the blood serum in Botkin's disease. Z. A. Komova, L. K. Frolova. Kaz. med. zhur. no. 5 32-34 S-O '63.

Development of autoantigenic properties in experimental renal hypertension [with summary in English]. A. I. Prokhurovskii. Vrach. delo no. 11;39-43 N '63.

Dynamics of the accumulation of virus-neutralizing antibodies in patients with various clinical forms of tick-borne encephalitis [with summary in English]. E. A. Barkova, A. P. Ierusalimskii. Vop. virus. 8 no. 2 189-193 Mr-Ap '63

Effect of antibodies and inhibitors on the virus-cell system [with summary in English]. Z. I. Rovnova and others. Vop. virus. 8 no. 2 150-155 Mr-Ap '63

Immunological reactivity and the typological characteristics of higher nervous activity. A. M. Monakhova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1;133-149 '58.

Immunopathology of infectious nonspecific polyarthritis [with summary in English]. R. K. Kalnichenko, V. I. Pavlovitskii. Ter. arkh. 35 no. 5 87-89 My '63.

Materials on the variability of the antigenic bacterial properties under the influence of antibiotics. E. G. Livkina. Trudy Khab. med. inst. 23 no. 2;80-87 '62

Obtaining anti-p serums by immunizing animals with an echinococcal allergen. M. V. Mishakova. Sb. nauch. med. eksport. 6 no. 4;34-37 O-D '63.

Reaction of the body to blood transfusion from a so-called "dangerous" universal donor [with summary in English]. V. A. Dmitrieva, V. N. Kuznetsova. Vop. gematol. i perel. krovi. 8 no. 6,22-26 Je '63.

Relation between the reactivity of animals to the dysentery antigen and the functional state of the nervous system. A. M. Monaenkov. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1;27-32 '58.

Specific biosynthesis of antibodies induced by ribonucleic acid from the lymphatic nodes and spleen of immunized rabbits. B. B. Fuks and others. Dokl. AN SSSR 153 no. 2;485-488 N '63.

Standardization of conditions for inhibition of the hemagglutination reaction with noninfectious antigens of the virus of tick-borne encephalitis [with summary in English]. A. I. Rezepova. Vop. virus. 8 no. 2 170-174 Mr-Ap '63.

ANTIHISTAMINES

Histamine and antihistamines. G. N. Kassil', I. I. Va'sefel'd, Zdorov'e 9 no. 10:4-6 O '63.

ANTIMONY

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia. [Industry's requirement as to the quality of mineral raw materials] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia, spravochnik dlia geologov. Izd. 2., perer. Moskva, Gosgeoltekhizdat.

No. 17. Rozov, B. S. [Antimony] Sur'ma. 1963. 42 p.

S. M. Mel'nikov, red.

Phase transitions in antimony under high pressure. E. G. Kabalkina, L. F. Vereshchagin, V. P. Mylov. Dokl. AN SSSR 152 no. 3;586-588 S '63.

ANTIMONY—ANALYSIS

Determination of small amounts of arsenic and antimony in germanium dioxide. Z. Rzhezach, IU. Ditz. Zav. lab. 29 no. 10,1176-1178 '63.

ANTIMONY-TELLURIUM-INDIUM ALLOYS see Indium-antimony-tellurium alloys

ANTIOXIDANTS

Concerning N. M. Emanuel and IU. N. Liashkovskaia's book "Retarding oxidation processes in oils and fats" B. I. Khomutov, G. V. Korolev. Masl.-zhir. prom. 28 no. 10 10-11 O '62

ANTIQUITIES, SCYTHIAN see Scythian antiquities

ANTISTREPTOKINASE

Diagnostic value of antistreptokinase in rheumatic fever, chronic tonsillitis and protracted septic endocarditis [with summary in English]. V. N. Latysh. Vrach. delo no. 11:15-20 N '63

ANTS

Kliaiman, L. A. [Ants] Murav'i. [Moskva] Molodaia gvardiia, 1963. 302 p.

AORTA

Histochemistry of the intima of the human aorta and problems of arteriosclerosis [with summary in English]. C. Velicanu, Doina Velican. Arkh. pat. 25 no. 9:16-26 '63.

AORTA—DISEASES

Clinical aspects, diagnosis, and surgical treatment of atherosclerotic occlusions in the aortic bifurcation and iliac arteries. M. D. Kniazev. Zdrav. Bel. 9 no. 3 8-13 Mr '63

Coarctation of the aorta. A. A. Andriukin. Med. sestra 22 no. 8:23-28 N '63.

AORTA—SURGERY

Common operation. Boris Volodin. Smena 40 no. 17: 18-20 S '63.

AORTIC ANEURYSMS

Dissecting aortic aneurysm as a result of physical overexertion. I. P. Ol'khin, T. F. Koshik, V. P. Nechiporenko. Vrach. delo no. 11:121-122 N '63.

Poliaccous aortic aneurysm. I. N. Bronovets. Zdrav. Bel. 9 no. 3 83-84 Mr '63.

AORTIC VALVE—SURGERY

Prevention and treatment of complications in aortal reconstruction. S. N. Avakov. Zhur. eksp. i klin. med. 4 no. 4:25-34 '63.

APARTMENT HOUSES

(see also subdivision under Leningrad)

Akademiia stroitel'stva i arkhitektury SSSR. Leningradskii filial. [Apartment houses made of cellular concrete] Zhilye doma iz iacheistogo betona; sbornik nauchnykh trudov. Leningrad, Gosstroiizdat, 1963. 235 p.

Choosing modular dimensions for large-panel apartment houses. IA. Vaserman. Arkhit. SSSR no. 1:45-50 '63.

Developing the comprehensive mechanization of housing construction. P. Sorokin. Ekon. stroi. no. 11:11-14 N '63.

The problem of standardization in large-panel housing construction. A. Sherentsis. Arkhit. SSSR no. 1:42-44 '63.

Problems under study in the economics sections of academic research institutes. Ekon. stroi. no. 11:67-68 N '63.

APARTMENT HOUSES—COSTS

For a steady reduction of the cost of housing construction. V. Maliagin, S. Efremov. Ekon. stroi. no. 11: 15-23 N '63.

APARTMENT HOUSES—DESIGN AND CONSTRUCTION see subdivision under Moscow

APATITE see subdivision under Kola Peninsula

APHORISMS AND APOTHEGMS

The sparks of wisdom. Hryhorii Zlenko. Ukraina no. 11: 22-23 Je '62.

APNOEA

"Double block" following the use of lystenone. N. A. Haug, A. A. Talliarm. Vest. khir. 91 no. 7:66-67 Jl '63.

Is subarachnoid introduction of caffeine expedient in apnoea during high cerebrospinal anesthesia (with summary in English)? S. A. Geshelin. Khirurgiia 39 no. 7:71-73 Jl '63.

APPELLATE PROCEDURE

Review of judicial decisions and rulings in civil law cases by the presidiums of appellate courts" by S. S. Moskvin. Reviewed by V. Puchinskii. Sov. iust. no. 18: 23-25 S '63.

We should regularize the review of judicial decisions and sentences. S. Kats. Rad. pravo no. 6:63-67 N-D '63.

We shouldn't tolerate the deferment of the judgments of appellate courts. I. Zaitsev. Sov. iust. no. 20:16-17 O '63.

APPENDICITIS

Combination of a progressive extrauterine pregnancy with apoplexy of the ovary and appendicitis. P. F. Bazykin. Akush. i gin. 39 no. 4:124 Jl-Ag '63.

Some characteristics of the course of acute appendicitis under conditions of trinitrotoluene poisoning. V. P. Kolevatykh. Vest. khir. 91 no. 7 81-83 Jl '63

Unresolved problems in chronic appendicitis. A. I. Popov. Kaz. med. zhur. no. 5 49-51 S-O '63.

APPLE

Content and changes of pectin substances in apple and apple residue during storage. E. I. Petropavlovskii, V. G. Moiseeva, T. N. Okorokova. Izv. vys. ucheb. zav., pishch. tekh. no. 5,21-27 '63.

APPLE—FERTILIZERS AND MANURES

Studying the mineral nutrition of apple seedlings by the chemical analysis of tissues [with summaries in English, German, and French]. A. A. Bondarenko. Vest. sel'khoz. nauki 8 no. 6:128-132 Je '63.

APPLE PRODUCTS—DRYING

Effect of the parameters of radiation-convection drying on the drying intensity of molded apple paste. I. A. Chubik. Izv. vys. ucheb. zav., pishch. tekh. no. 5,130-142 '63.

APPROXIMATE COMPUTATION

Norkin, S. B., ed. [Elements of computer mathematics] Elementy vychislitel'noi matematiki. Izd. 2., perer i dop. [By] S. B. Norkin i dr. Moskva, Gos izd-vo "Vysshaia shkola", 1963. 209 p.

Solving a general problem of approximation by the method of steepest descents. F. B. Petliuk, V. M. Platonov. Zav. lab. 29 no. 10,1221 '63.

APSHERON PENINSULA—GAS, NATURAL—GEOLOGY

Outlook for finding stratigraphic-type oil and gas pools in the lower section of the productive formation of the Apsheron Peninsula. I. R. Reikhman. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 12:15-20 '61

Prospects for finding oil and gas in the Miocene sediments of the western Apsheron Peninsula. M. A. Rzaev. *Azerb. neft. khoz. 40 no. 5:5-9 My '61.*

APSHERON PENINSULA—PALYNOLOGY

Pollens and spores from Baku sediments of Baku Yarus Mountain (Azerbaijan S. S. R.). S. A. Ballian. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 4/5 3-8 '63.

APSHERON PENINSULA—PETROLEUM GEOLOGY

Outlook for finding stratigraphic-type oil and gas pools in the lower section of the productive formation of the Apsheron Peninsula. I. R. Reikhman. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 12:15-20 '61.

Prospects for finding oil and gas in the Miocene sediments of the western Apsheron Peninsula. M. A. Rzaev. Azerb. neft. khoz. 40 no. 5:5-9 My '61.

APSHERON PENINSULA—REGIONAL PLANNING

Development and problems of the planning of Apsheron and the Azerbaijan Economic Administrative District R. G. Mekhtiev. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 6:143-154 '61.

AQUALUNG

"Homo aquaticus," the aquatic man. V. Shatskin, K. Massaev. Tekh. mol. 31 no. 11:18-19, 22 '63.

Sadko visits Neptune. B. Solov'ev. Tekh. mol. 31 no. 11: 22 '63.

AQUARIUMS

Polkanov, F. M. [Behind a glass shore] Za stekliannym beregom. Moskva, Izd-vo "Detskii mir," 1963. 56 p.

Usatenko, B., V. Allikas, and A. Roosileht, comps. [Aquarium] Akvaarium. Tallinn, Eesti Riiklik Kirjastus, 1963. 383 p. [In Estonian]

ARAB COUNTRIES—INVESTMENTS, WEST GERMAN

"West German expansion in the Arab countries and Africa" by IA. IA. Etinger. Reviewed by O. N. Kniazev. Vop. ist. 38 no. 12:137-139 D '63.

ARABIC LANGUAGE—VOWELS

Transcription of Arabic vowels in contemporary Azerbaijani [in Azerbaijani with summary in Russian]. M. A. Panakhi. Izv. AN Azerb. SSR. Ser. Obshchestv nauk no. 6:167-176 '61

ARAKAN, BURMA—FISHING

Arakan, the coast of fishermen. Igor' Mozheiko. Vokrug sveta no. 11:40-41 N '63.

ARARAT REGION—RELAPSING FEVER

New foci of tick-borne relapsing fever in the Armenian S.S.R. S.R. Postolian. Izv. AN Arm. SSR. Biol. nauki 16 no. 10:77-85 O '63.

ARARAT REGION—TICKS AS CARRIERS OF DISEASE

New foci of tick-borne relapsing fever in the Armenian *S.S.R. S.R. Postolian.* Izv. AN Arm. SSR. Biol. nauki 16 no. 10,77-85 O '63.

ARAS VALLEY—RUNOFF

Characteristics of the formation and distribution of runoff in the upper part of the Aras River Basin. E. V. Atalian. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 5 58-63 '63.

ARBITRATION AND AWARD

(see also subdivision under Leningrad Province, Ukraine)

Commentaries to the procedural rules which regulate the examination of commercial conflicts by arbitration agencies. IA. Barash. Sov. iust. no. 20 18-19 O '63.

Commentaries to the rules which regulate the examination of commercial conflicts by arbitration agencies. M. Fal'kovich. Sov. iust. no. 18 16-19 S '63.

A conference of chief arbiters. Sov. iust. no. 20 26-27 O '63.

Decisions of arbitration agencies. Sots. zakon. 40 no. 11 86-88 N '63.

Decisions of arbitration agencies. Sov. iust. no. 20 32 O '63.

Decisions of arbitration agencies. Sov. iust. no. 21 31 N '63.

Decisions of arbitration agencies. Sov. iust. no. 22 32 N '63.

Strict observance of Soviet laws in arbitration procedure. M. Fal'kovich. Sots. zakon. 40 no. 9 90-92 S '63.

ARBUZOV REARRANGEMENT see Rearrangements (Chemistry)

ARCHAEOLOGICAL RESEARCH

A meeting dedicated to the results of archaeological and ethnological field research made in 1962. N. A. Dvornikova and others. Sov. etn. no. 5 123-129 S-O '63

Work of the Archaeological Technology Laboratory of the Institute of Archaeology of the Academy of Sciences of the U. S. S. R. in 1960 and 1961. I. V. Bogdanova-Berezovskaia. Krat. soob. Inst. arkheol. no. 94.105-106 '63.

ARCHAEOLOGY

(see also subdivision under Azerbaijan; Bukhara Province; Caucasus, Northern, Inkerman; Krasnoyarsk Territory)

New document from 17th century Russian archaeology. V. G. Borisov. Sov. arkheol. 7 no. 4:253-255 '63.

ARCHAEOLOGY—CONGRESSES

The Ninth All-Union Archaeological Students' Conference. A. A. Krivonos, A. I. Shkurko. Sov. arkheol. 7 no. 4 289-291 '63.

ARCHAEOLOGY—METHODOLOGY

Methodology of determining nodules. I. I. Korobkov. Sov. arkheol. 7 no. 4 10-19 '63.

New methods in archaeology. B. A. Kolchin. Sov. arkheol. 7 no. 4 258-270 '63.

Using the archeomagnetic method for dating archaeological objects. S. P. Burlatskaia. Sov. arkheol. 7 no. 1. 115-121 '63.

ARCHAEOLOGY—STUDY AND TEACHING see subdivision under Novosibirsk

ARCHANGEL—BRIDGES—FOUNDATIONS AND PIERS

Experience in sinking reinforced concrete caisson-shell foundations into clayey soils. N. F. Timofeev. Transp. stroi. 13 no. 9,6-12 S '63.

ARCHANGEL—LUMBERYARDS—FIRES AND FIRE PREVENTION

Safeguarding the timber wealth. A. Lukashevskii. Pozh. delo 9 no. 10 21 O '63.

ARCHANGEL PROVINCE—ARCTIC FOX

Biological observations on Arctic foxes and measures for their protection in Archangel Province and adjacent areas. N. I. Dementiev. Okhr. prir. i ozel. no. 3 31-51 '60.

ARCHANGEL PROVINCE—GEOLOGY

[Geology of the U. S. S. R.] Geologiia SSSR. Glav. red. A. V. Sidorenko. Moskva, Gosgeoltekhizdat.

Vol. 2. [Archangel and Vologda Provinces and the Komi A. S. S. R.] Arkhangel'skaia, Vologodskaia oblasti i Komi ASSR.

Pt. 1 [Geological description] Geologicheskoe opisanie. Red. A. L. Zoricheva. Sored. S. N. Volkov. 1963. 1077 p.

ARCHES

Design of arched spans for three-dimensional stability. S. M. Mulin. Stroi. mekh. i rasch. soor. 4 no. 1:36-40 '62.

"Envelope of the moments of a two-hinge arch." IU. I. Butenko. Nauch. trudy KHIIT no. 58,65-76 '62.

"Methods for evening the envelope in designing two-hinge steel arches according to the conditions of the equilibrium limit." IU. I. Butenko. Nauch. trudy KHIIT no. 58:77-95 '62.

ARCHES—STANDARDS

Standardized (UTP-1) arch for the construction of enterprises of precast reinforced concrete products. A. A. Susulov, E. E. IAkobson. Biul. tekh.-ekt. 9 no. 10 446-449 O '63.

ARCHITECTURAL DECORATION AND ORNAMENT see Decoration and ornament, Architectural

ARCHITECTURE
(see also subdivision under Baku; Khatchayan, Volga Hydroelectric Power Station (22d Congress of the CPSU)

For a high level of construction. Arkhit. SSSR no. 1-1-2 '62.

Il'in, M. A. [Principles of understanding architecture] Osnovy ponimaniia arkhitektury. Moskva, Izd-vo Akad. khudozhestv SSSR, 1963. 64 p.

Riabushin, A. V., and M. V. Fedorov. [Contemporary Soviet architecture] Sovremennaia sovetskaia arkhitektura. Moskva, Izd-vo "Znanie," 1963. 43 p. (Narodnyi universitet kul'tury. Fakul'tet literatury i iskusstva, no. 9)

Standards and perfection. G. Borisovskii. Vop. est. no. 5 43-60 '62.

ARCHITECTURE—CONGRESSES

Principal trends in construction and architecture. Arkhit. SSSR no. 1, 3-5 '62.

ARCHITECTURE—DESIGNS AND PLANS

IUzbashev, S. G., and E. S. Shkutnik. [Principles of planning, accounting, and business accounting in designing and engineering research organizations] Osnovy planirovaniia ucheta i khoziaistvennogo rascheta v proektnykh i izyskatel'nykh organizatsiiakh. Moskva, Gosstroiizdat, 1963. 338 p.

Planning and accounting for designing and engineering research. S. Libinzon. Bukhg. uchet 20 no. 9, 51-52 S '63.

ARCHITECTURE—DETAILS

Markov, L. A. [Practice in the use of ceramics in architecture] Praktika primeneniia keramiki v arkhitekture. Kiev, Izd-vo Akad. arkhitektury Ukrainskoi SSR, 1954. 30 p. plates
(NNC)

ARCHIVES see subdivision under Crimea, Irkutsk District, Leningrad; Transcaucasia, Vologda

ARCTIC FOX see subdivision under Archangel Province, Nenets National Area

ARCTIC OCEAN—ICE

Sovetskaia Antarkticheskaia ekspeditsiia, 1955- [Transactions of the Soviet Antarctic Expedition] Trudy. Leningrad, Izd-vo "Morskoi transport."
Vol. 21. Treshnikov, A. F. [Characteristics of the ice conditions in the southern part of the Arctic Ocean] Osobennosti ledovogo rezhima IUzhnogo Ledovitogo okeana. Pod red. P. A. Gordienko. 1963. 237 p.

ARCTIC OCEAN—TERRESTRIAL ELECTRICITY

Telluric currents in the Arctic Ocean. V. V. Novysh, G. A. Fonarev. Geomag. i aer. 3 no. 6 1141-1142 N-D '63.

ARCTIC REGIONS—ALBEDO

Some characteristics of the change in the albedo of the ice in the Arctic in the summer. N. P. Shesterikov. Probl. Arkt. i Antark. no. 14 27-31 '63.

ARCTIC REGIONS—BLASTING

Standard charges for blasting ice. Z. I. Shvaishtein. Probl. Arkt. i Antark. no. 14 83-86 '63.

ARCTIC REGIONS—ICE

Role of thawing in forming the relief of the upper surface of old ice. V. A. Spichkin. Probl. i Arkt. i Antark. no. 11 71-73 '63.

Some characteristics of the change in the albedo of the ice in the Arctic in the summer. N. P. Shesterikov. Probl. Arkt. i Antark. no. 14:27-31 '63.

Standard charges for blasting ice. Z. I. Shvaishtein. Probl. Arkt. i Antark. no. 14:83-86 '63.

ARCTIC REGIONS—OCEANOGRAPHIC RESEARCH

Oceanographic research in the central Arctic. N. I. Blinov. Probl. Arkt. i Antark. no. 14:53-59 '63.

ARCTIC REGIONS—RESCUE WORK

The red flag in the Arctic. Vokrug sveta no. 11, 12-18 N '63.

ARCTIC REGIONS—SAILING

Taking into account the orthodromic correction when sailing in high latitudes. V. A. Nefedov. Probl. Arkt. i Antark. no. 14:86-89 '63.

ARCTIC REGIONS—THAWING

Role of thawing in forming the relief of the upper surface of old ice. V. A. Spichkin. Probl. i Arkt. i Antark. no. 14:71-73 '63.

ARGENTINA—POLITICS AND GOVERNMENT

A "Showcase" of western democracy has been shattered. A. P. Rad. pravo no. 6, 122-123 N-D '63.

ARGENTINA—WHITE RUSSIANS

Kunda, P. S. [In quest of an overseas paradise] V poiskakh zaokeanskogo raia. Minsk, Gosizdat BSSR, 1963. 29 p.

ARGENTINE PAINTERS see Painters, Argentine

ARITHMETIC—STUDY AND TEACHING

Skatkin, L. N. [Taching how to solve simple and complex arithmetic problems] Obuchenie resheniiu prostykh i sostavnykh arifmeticheskikh zadach, posobie dlia uchitelei nachal'nykh klassov. Moskva, Uchpedgiz, 1963. 182 p.

ARM—WOUNDS AND INJURIES

Two cases of avulsion of the upper extremity together with the scapula. A. T. Staroverov, N. V. Chernyshev. Vest. khir. 91 no. 7-75-77 Jl '63.

ARMED FORCES see subdivision under Russia

ARMENIA—ADMINISTRATIVE ECONOMIC COUNCILS

In the Economic Council of the Armenian S.S.R. Prom. Arm. 6 no. 9 74-75 S '63.

ARMENIA—CHEMICAL INDUSTRIES

Eliminate shortcomings; use hidden potentialities more efficiently. S. Tumanian. Prom. Arm. 6 no. 9 3-6 S '63.

ARMENIA—CHEMICAL INDUSTRIES—PRODUCTION STANDARDS

Improve production standards of the chemical industry of the Republic. IA. Mikhailovskii. Prom. Arm. 6 no. 9 15-17 S '63.

ARMENIA—CHEMISTRY, ANALYTICAL

Scientific chemistry in Soviet Armenia. V. D. Azatian. Iz. ist. est. i tekh. 1 83-98 '60.

ARMENIA—CONSTRUCTION INDUSTRY

Put the organization of house building on a technical base. N. Akopian. Prom. Arm. 6 no. 9-25-27 S '63.

ARMENIA—CORN (MAIZE)—ANALYSIS

Study of the chemical composition of corn plants grown from irradiated seeds under different climatic conditions [in Armenian with summary in Russian]. V. S. Pogosian. Izv. AN Arm. SSR, Biol. nauki 16 no. 10-41-50 O '63.

ARMENIA—DOLOMITE

Dolomites in Armenia and the outlook for their use. K. Vermishev. Prom. Arm. 6 no. 9:7-10 S '63.

ARMENIA—EARTHQUAKES AND BUILDING

Use light natural fillers in earthquakeproof building. G. Khorasanian. Prom. Arm. 6 no. 9, 31-36 S '63.

ARMENIA—ELECTRIC LINES

The first in the U. S. S. R. high-mountain 220 kilovolt electric line. D. Davidian. Prom. Arm. 6 no. 9:50-55 S '63.

ARMENIA—ENGINEERING GEOLOGY

Structural indicators for isolating the regions of tectonic complexes in Armenia for purposes of engineering geology. A. Sh. Voskerchian. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 4/5 155-162 '63.

ARMENIA—FIRE PREVENTION—SOCIETIES, ETC.

Increasing in number and skills. N. Sungurian. Pozh. delo 9 no. 10:28-29 O '63.

ARMENIA—GEOLOGICAL RESEARCH

Development of geological research in Armenia during the Soviet period. S. S. Mkrtchian, A. I. Mesropian. Iz. ist. est. i tekh. 1:179-195 '60.

ARMENIA—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Cretaceous and Paleogene boundary layers in the northern and northeastern parts of the Armenian S. S. R. O. A. Sarkisian. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 4/5:41-53 '63.

ARMENIA—GEOLOGY, STRUCTURAL

Pre-Upper Jurassic intrusive complex in the Somkhiti-Kafan zone. S. I. Batasanian. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 4/5:89-102 '63.

Structural indicators for isolating the regions of tectonic complexes in Armenia for purposes of engineering geology. A. Sh. Voskerchian. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 4/5:155-162 '63.

ARMENIA—HETEROPTERA

New materials on the true bugs of Armenia. E. G. Akramovskaia. Izv. AN Arm. SSR. Biol. nauki 16 no. 10:87-89 O '63.

ARMENIA—INDUSTRIES

In the Committee of Party and State Control of the Central Committee of the Communist Party of Armenia and the Council of Ministers of the Armenian S. S. R. Prom. Arm. 6 no. 9:72-73 S '63.

Representatives of lichens of Armenia from the genus Ramalina and Parmelia. V. G. Nikogosian. Izv. AN Arm. SSR. Biol. nauki 16 no. 10 69-76 O '63.

ARMENIA—MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES

General utilization index of capital assets. R. Ilinian. Plan. khoz. 40 no. 12:77-78 D '63.

ARMENIA—MEDICINE

Pages from the history of Armenian medicine. T. A. Oganesian. Iz. ist. est. i tekh. 1 126-130 '60.

Study of anatomy by Armenian physicians in the 11-14 centuries. A. S. Ktsoian. Iz. ist. est. i tekh. 1 131-[illegible] '60.

ARMENIA—MINES AND MINERAL RESOURCES

Disappointing omissions, erroneous conclusions. S. Vaniushin. Prom. Arm. 6 no. 9 80-81 S '63.

ARMENIA—MUSIC

Beliaev, V. M. [Outline history of the music of the peoples of the U. S. S. R.] Ocherki po istorii muzyki narodov SSSR. Moskva, Muzgiz.
No. 2. [Musical culture of Azerbaijan, Armenia and Georgia] Muzykal'naia kul'tura Azerbaidzhana, Armenii i Gruzii. 1963. 339 p.

ARMENIA—ORES—SAMPLING AND ESTIMATION

Assaying of the Dzhindarinskoye deposit. P. P. Ter-Avetisian, V. E. Vartanesov. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 1/5:123-130 '63.

ARMENIA—PACKAGING

Specialize the production of subsidiary materials. A. A. Astvatsatrian. Prom. Arm. 6 no. 9:17-18 S '63.

ARMENIA—PLANT LICE—EXTERMINATION

Methods for increasing the efficiency of chemicals used of plant lice on tobacco. G. N. Mardzhanian, A. E. Ustlian, A. G. Kankanian. Izv. AN Arm. SSR. Biol. nauki 16 no. 10:57-67 O '63.

ARMENIA—PLASTICS INDUSTRY

Basic trends in the development of the plastics industry in Armenia. A. Lukanitskii. Prom. Arm. 6 no. 9 11-14 S '63.

ARMENIA—POULTRY

Effect of temperature and light conditions on the productivity of hens in the Armenian S. S. R. R. A. Arutiunian. Izv. AN Arm. SSR. Biol. nauki 16 no. 10 [illegible] '63.

ARMENIA—RADIOISOTOPES—INDUSTRIAL APPLICATIONS

For wider use of radioisotope equipment. Prom. Arm. 6 no. 9 75-77 S '63.

ARMENIA—RELATIONS (GENERAL) WITH RUSSIA

Materials for the history of Armenian-Russian relations in the field of medicine. A. A. Lukashin. Iz. ist. est. i tekh. 1, 161-178 '60.

ARMENIA—RIVERS

Mean perennial runoff of the rivers in the Armenian S. S. R. E. A. Atalian. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 4/5:143-154 '63.

ARMENIA—SEISMOLOGY

Recent tectonics and seismicity in the Armenian [illegible] and the adjacent parts of the "Anticaucasus" [illegible] A. A. Gabrielian. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 4/5:63-75 '63.

ARMENIA—TECHNOLOGICAL INNOVATIONS

At the State House of Technology. Prom. Arm. 4 no. 77-78 S '63.

Brief news. Prom. Arm. 6 no. 9:76 S '63.

ARMENIA—TOBACCO—DISEASES AND PESTS

Methods for increasing the efficiency of chemicals used of plant lice on tobacco. G. N. Mardzhanian, A. E. Ustlian, A. G. Kankanian. Izv. AN Arm. SSR. Biol. nauki 16 no. 10:57-67 O '63.

ARMENIAN ASTRONOMY see Astronomy, Armenian

ARMIES see subdivision under Czechoslovakia; France; Poland; Russia; Yugoslavia

AROMATIZATION

Aromatization of hexanes at atmospheric pressure over a sodium promoted alumina-platinum catalyst. S. P. Bursian, S. B. Kogan, Z. A. Davydova. Kin. i kat. 4 no. 5:783-786 S-O '63.

Changes in alumina-chromia catalysts during the aromatization of n-hexane. B. A. Kazanskii and [illegible] Kin. i kat. 4 no. 5:768-772 S-O '63.

Hydrogen circulation in aromatization catalytic processes. A. M. Aliev, V. S. Aliev. Azerb. neft. khoz. 40 no. 5:36-38 My '61.

ARONOV, ALEKSANDR

Book with a smile. A. Krivitskii. Znamia 33 no. 6 [illegible] Je '63.

ARRHYTHMIA

Changes in the frequency of respiration and the cardiac rhythm in experimental tetanus intoxication. T. I. Gorfinova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1 61-68 '58.

Changes in the phonocardiogram in disorders of rhythm and conductivity in children with rheumatism (with summary in English). A. I. Pimenov. Pediatriia 41 no. 7, 50-54 Jl '63.

Constancy of the intensity of alternating current (50 hertz) causing ventricular fibrillation in dogs under different natural altitudinal conditions. I. K. Mishchenko. Vop. elektropat., elektrotravm. i elektrobezop. no. 3 33-41 '62.

Disorders of the cardiac rhythm. I. A. Chernogorov. Mil. meditsina 32 no. 11:15-20 N '63.

ARSENAZO

Refining of the method for synthesizing arsenazo III (with summary in English). V. F. Zalkovskii, V. N. Ivanova. Zhur. anal. khim. 18 no. 8 1030 Ag '63.

ARSENIC

Determination of arsenic content in solid fuel. K. A. Bukhkov. Standartizatsiia 27 no. 11 38 N '63.

ARSENIC—ANALYSIS

Determination of small amounts of arsenic and antimony in germanium dioxide. Z. N. Rozhnova, IU. Ditz. Zav. lab. 29 no. 10 1176-1178 '63.

ART

(see also subdivision under Asia, Central; Tajikistan)

Akademiia khudozhestv SSSR. Institut teorii i istorii izobrazitel'nykh iskusstv. [General history of art in six volumes] Vseobshchaia istoriia iskusstv v shesti tomakh. Red. kollegiia: B. V. Veimar i dr. Moskva, Iskusstvo.

Vol. 4. [Art of the 17th and 18th centuries] Iskusstvo XVII-XVIII vekov. Pod obshchei red. IU. D. Kolpinskogo i E. I. Rotenberga. 1963. 478 p. illus.

Brief notes. Iskusstvo 26 no. 7:77-80 '63.

Common and monumental forms of art in contemporary fine arts. N. Dmitrieva. Vop. est. no. 5:5-27 '62.

Grivnina, A. S. [West European art of the 18th century] Iskusstvo XVIII veka v Zapadnoi Evrope. Moskva, Izd-vo Akad. khudozh. SSSR, 1963. 72 p. illus. (Biblioteka po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodeiatel'nosti i shkol'nykh bibliotek)

Interest in art is growing. K. Khokhelina. Bibliotekar' no. 11:33-34 N '63.

"Notes on various arts." Theophilus. Soob. VTSNIILKR no. 7:165-184 '63.

[Soviet art; painting, sculpture, graphic arts] Sovetskoe iskusstvo, zhivopis', skul'ptura, grafika. [Moskva] Sovetskii khudozhnik, 1963. 13 p. illus.

ART—BIBLIOGRAPHY see Bibliography—Art

ART—EXHIBITIONS see subdivision under Detroit; Paris

ART—PERIODICALS

Looking over foreign periodicals.... Iskusstvo 26 no. 7:74-77 '63.

ART, ABSTRACT

Gnoseological roots of abstractionism. T. M. Pimenova. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 5:45-51 '63.

Reactionary efforts under the banner of "innovation." V. Kemenov. Iskusstvo 26 no. 7:58-66 '63.

ART, BURYAT

Ulan-Ude. Buriatskii kompleksnyi nauchno-issledovatel'skii institut. [Buryat fine arts; articles and materials] O buriatskom izobrazitel'nom iskusstve; stat'i i materialy. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963. 160 p.

ART, EAST GERMAN—EXHIBITIONS see subdivision under Moscow

ART, UKRAINIAN

Ostrovs'kyi, H. S. [Ivan Franko and the fine arts] Ivan Franko i obrazotvorche mystetstvo. Kyiv, Mystetstvo, 1963. 66 p. illus.

ART AND COMMUNISM see Communism and art

ART AND INDUSTRY

Beauty is a companion of our lives. M. Ladur. Komm. Ukr. 36 no. 11:34-43 N '62.

ART IN MOTION PICTURES

Classical paintings and mounting. S. Eisenstein. Vop. kinoisk. no. 7:244-261 '63.

ART INDUSTRIES

(see also subdivision under Ukraine)

Bring beauty into the home. V. Artemov. Mest. prom. i khud. promys. 3 no. 9:34-35 S '62.

ART OBJECTS—CONSERVATION AND RESTORATION

Methods of restoring a woman's headgear dating from the 16th century in the Museum of History and Restoration in Moscow. V. B. Girshberg. Soob. VTSNIILKR no. 7:38-45 '63.

ART SCHOOLS

Moleva, N. M., and E. M. Beliutin. [Russian art school in the first half of the 19th century] Russkaia khudozhestvennaia shkola pervoi poloviny XIX veka. Moskva, Iskusstvo, 1963. 407 p. illus.

ARTERIES

Functional state of the major arteries in rheumatism in children (with summary in English). M. K. Gabolkova. Pediatriia 41 no. 7:45-47 Jl '63.

ARTERIES—ABNORMITIES AND DEFORMITIES

Anomalies of the umbilical arteries. G. S. Kirillakulov. Akush. i gin. 39 no. 4 132-133 Jl-Ag '63.

ARTERIES—DISEASES

Pulseless disease (Takayasu's syndrome). V. S. Zalmanenok, G. V. Kulago. Zdrav. Bel. 9 no. 3 78-80 Mr '63.

Treatment of obliterating endarteritis and obliterating atherosclerosis by a compound conservative method (with summary in English). L. V. Belavin. Khirurgiia 39 no. 7:125-127 Jl '63.

ARTERIES—SURGERY

Plastic surgery of the axillary artery using a lavsan prosthesis. P. E. Zavgorodnyi, L. V. Lebedev. Vest. khir. 91 no. 7, 72-73 Jl '63.

Recurrent embolism of the popliteal artery. M. P. Vilionskii, N. V. Kalgorodova. Vest. khir. 90 no. 6 120-121 Je '63.

ARTERIOSCLEROSIS

Changes in the activity of lipolytic enzymes in atherosclerosis (with summary in English). F. L. Leites. Arkh. pat. 25 no. 6:27-33 '63.

Clinical aspects, diagnosis, and surgical treatment of atherosclerotic occlusions in the aortic bifurcation and iliac arteries. M. D. Kniazev. Zdrav. Bel. 9 no. 3 8-13 Mr '63.

Coronary pain syndrome in sympathicoganglionitis. N. I. Speranskii, E. I. Sorokina. Klin. med. 41 no. 7 13-18 Jl '63.

Daily variations of cholesterol content in healthy persons and in atherosclerosis patients (with summary in English). A. V. Raubiniene, N. A. Stankevichene. Klin. med. 40 no. 11:116-119 N '62.

Effect of corn oil on some indicators of lipoid and protein metabolism in atherosclerosis patients (with summary in English). V. N. Kozlovskii. Klin. med. 40 no. 11 112-115 N '62.

Histochemistry of the intima of the human aorta and problems of arteriosclerosis (with summary in English). C. Velican, Dolna Velican. Arkh. pat. 25 no. 6 16-26 '63.

Myocardial infarct and physical stress (with summary in English). M. I. Teodori, K. F. Vlasov. Terap. arkh. 35 no. 5:3-10 My '63.

Pathomorphological changes in the pulmonary artery in atherosclerosis (with summary in English). IU. L. Butov. Vrach. delo no. 11:30-34 N '63.

Significance of prolonged functional stress of the central nervous system in the development of arteriosclerosis in dogs. P. S. Khomulo. Dokl. AN SSSR 152 no. 3 727-729 S '63.

ARTERENOL see Noradrenaline

ARTESIAN WELLS

Using clay muds in rotary drilling for water. G. E. Airapetian. Transp. stroi. 13 no. 9 38-39 S '63.

ARTHRITIS

Diagnosis of rheumatic and rheumatoid polyarthritis. M. L. Aviosor, V. L. Dushkina, M. N. Berezhnitskii. Vrach. delo no. 11, 127-130 N '63.

Significance of bioflavonoids in the treatment of experimental allergic arthritis. K. P. Efanova. Zdravookhranenie 6 no. 5:60-64 S-O '63.

Significance of the functional state of the adrenal cortex in the pathogenesis of experimental arthritis and in the pharmacodynamics of antirheumatic agents (with summary in English). A. F. Leshchinskii, Z. I. Zuza. Probl. endok. i gorm. 9 no. 5:25-29 S-O '63.

ARTHRITIS, RHEUMATOID

Changes in the heart in patients with rheumatoid arthritis (with summary in English). L. S. Koshevskaia. Vrach. delo no. 11, 24-26 N '63.

Immunopathology of infectious nonspecific polyarthritis (with summary in English). R. K. Kaluzhenko, V. E. Novitskii. Terap. arkh. 35 no. 5:87-89 My '63.

Pathogenesis of anemia in rheumatoid arthritis (with summary in English). S. I. Riabov, M. M. Shcherba, G. M. Roshchina. Terap. arkh. 35 no. 5:82-86 My '63.

Serological reactions in rheumatoid arthritis and rheumatism. K. I. Vinogradov. Vrach. delo no. 11 128-130 N '63.

ARTHROPODA

Prehensile extremities of arthropods, their formation and function (with summary in German). M. IA. Ass. Zool. zhur. 42 no. 9 1346-1362 '63.

ARTIFICIAL KIDNEY

Combined use of the artificial kidney and peritoneal dialysis (with summary in English). G. P. Kulakov and others. Klin. med. 41 no. 7 111-116 Jl '63.

Results of the use of the artificial kidney apparatus in acute renal insufficiency following a septic abortion. V. N. Tetriakov and others. Zdravookhranenie 6 no. 5 28-31 S-O '63.

ARTIFICIAL LEATHER see Leather, Artificial

ARTIFICIAL LIMBS

Reconstruction of the "digits" of the upper extremity (with summary in English). I. V. Gruber. Vest. khir. 90 no. 6, 98-102 Je '63.

ARTIFICIAL PNEUMOPERITONEUM see Pneumoperitoneum, Artificial

ARTIFICIAL RESPIRATION

Bronchoscopy under anesthesia with automatically controlled respiration (with summary in English). E. E. Sinevich. Vest. khir. 91 no. 7 60-66 Jl '63.

ARTIFICIAL SATELLITES

Motion of an artificial earth satellite relative to the mass center. P. P. Vcherashniuk. Ukr. mat. zhur. 15 no. 3 305-309 '63.

Space watchers. A. Poletaev. Volog. krai no. 3 100-105 '62.

ARTIFICIAL SATELLITES—OPTICAL OBSERVATIONS

Increasing the sensitivity of photographic materials by means of post-exposure in photographing artificial earth satellites (with summary in English). I. I. Breido, A. A. Markelova, B. A. Firago. Izv. GAO 23 no. 2, 167-174 '63.

Visual and photographic observation of faint satellites and space rockets (with summary in English). B. A. Firago. Izv. GAO 23 no. 1 169-178 '62.

ARTIFICIAL SATELLITES—RADIO OBSERVATION

Latitudinal dependence of the index of fluctuations of radio signals from artificial satellites at a frequency of 20 Mc. K. Kh. Shmelovskii. Geomag. i aer. 3 no. 6:1129 N-D '63.

ARTIFICIAL SATELLITES, AMERICAN—RADIO OBSERVATION

Solar corpuscular streams and families of geomagnetic storms during the flight of "Mariner-2" preliminary report. V. I. Afanas'ev. Geomag. i aer. 3 no. 6, 1126-1127 N-D '63

ARTIFICIAL SATELLITES IN METEOROLOGY

A nonadiabatic model of atmospheric motions utilizing the results of radiation measurements from satellites. M. E. Shvets, B. E. Shneerov. Dokl. AN SSSR 152 no. 3, 598-601 S '63.

ARTILLERY DRILL AND TACTICS

The battery supports an airborne landing. I. Andrushkevich. Voen. vest. 43 no. 10 52-56 O '63.

ARTISANS see subdivision under Virgin Territory

ARTS AND CRAFTS MOVEMENT see subdivision under Vologda Province

ARZAMAS DISTRICT—AGRICULTURAL WORKERS

Why Aleksandr Chekushkin wanted to leave? Part zhizni no. 24, 70 D '63.

ARZAMAS REGION—BARK BEETLES—EXTERMINATION

Importance of natural factors controlling the abundance of the pine bark beetle Blastophagus minor (with summaries in English, German, and French). I. V. Panshin. Vest. sel'khoz. nauki 8 no. 6 108-111 Je '63.

ARZAMAS REGION—PINE—DISEASES AND PESTS

Importance of natural factors controlling the abundance of the pine bark beetle Blastophagus minor (with summaries in English, German, and French). I. V. Panshin. Vest. sel'khoz. nauki 8 no. 6, 108-111 Je '63.

ASBESTOS

New machines for the treatment of asbestos. E. K. Miuller, L. IA. Smirnova, A. I. Erofeev. Trudy NIIasbest no. 2, 99-109 '62.

Resources of amphibole asbestos and possibilities of their utilization as fillers. IU. K. Andreev. Trudy IGEM no. 95, 61-70 '63.

Resources of chrysotile-asbestos in the U. S. S. R. L. A. Sokolova. Trudy IGEM no. 95, 56-60 '63.

326-081 O - 64 - 12

ASBESTOS—TESTING

Developing and testing automatic control apparatuses for determining moisture in asbestos ores after drying. T. M. Pogadaeva, E. I. Argunov, V. N. Mikhishev. Trudy NIIasbest no. 2 117-126 '62.

Mechanization and automatic control of the assaying of ores and tailings in asbestos ore dressing plants. V. E. Bakhtin, V. N. Panaev. Trudy NIIasbest no. 2 127-132 '62.

Metal detector for the control of asbestos ores. S. G. Makhnev, E. I. Argunov, A. M. Islambulov. Trudy NIIasbest no. 2 110-116 '62.

ASBESTOS CEMENT

Photoelectric methods of continuous control of concentrations of suspended matter. E. I. Novakov. Sbor. trud. VNIIstrommasha no. 2:81-120 '60.

ASBESTOS MINES AND MINING
(see also subdivision under Bazhenovo, Sverdlovsk Province)

Efficiency and methods of averaging the quality of asbestos ores. M. A. Belov. Trudy NIIasbest no. 2 3-29 '62.

ASBESTOS MINES AND MINING—LABOR PRODUCTIVITY

Investigating the degree of laboriousness in conducting mining operations at the "Solnsazbest" Trust mines. A. Z. Kravtsov. Trudy NIIasbest no. 2 70-98 '62.

ASCARIDS AND ASCARIASIS

Early diagnosis of ascariasis of the bile ducts. B. I. IAkhnuk. Zdrav. Bel. 9 no. 3 64-65 Mr '63.

Oxygen therapy in ascariasis late at night [with summary in English]. I. V. Vladychin, N. P. Kravets. Med. paraz. i paraz. bol. 32 no. 5:624 S-O '63.

Role of some species of insect larvae in the epidemiology of ascariasis [with summary in English]. E. I. Sukhacheva. Med. paraz. i paraz. bol. 32 no. 5:600-603 S-O '63.

Surgical complications in ascariasis. O. R. Skobelkin. Med. sestra 22 no. 10:30-32 O '63.

Testing of some antihelminth preparations in ascariasis and necatoriasis under outpatient service conditions. R. M. Makhlina, S. D. Avaliashvili, A. G. Kamalova. Med. paraz. i paraz. bol. 32 no. 5 623-624 S-O '63.

ASCOMYCETES

Effect of the conditions of nutrition on the development of perithecia in ascomycetes. Part I [with summary in English]. N. P. Cherepanova. Vest. LGU 18 no. 21:49-56 '63.

ASCORBIC ACID

Antibiotic properties of vitamin preparations obtained from the wild rose fruit by the fermentation method. M. T. Golovkina and others. Izv. vys. ucheb. zav., pishch. tekh. no. 5:43-46 '63.

Effect of zinc on the synthesis of ascorbic acid by plants. E. G. Karpova. Izv. IGKHI no. 14:36-44 '59.

Microstructural changes occurring in experimental wounds under the influence of ascorbic acid combined with cortisone and ACTH. A. I. Bukhonova. Dokl. AN SSSR 152 no. 3:761-764 S '63.

Use of ascorbic acid in the preservation of tomato paste. A. F. Fan-IUng. Izv. vys. ucheb. zav., pishch. tekh. no. 5:81-82 '63.

ASEPSIS AND ANTISEPSIS

Asepsis provided at medical centers. M. I. Levin. Med. sestra 22 no. 10:38-43 O '63.

ASHKHABAD—METEORITES

Number of meteorites recorded annually by radar and its changes as observed in Ashkhabad in 1959. A. T. Belous and others. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim i geol. nauk no. 1:24-29 '62.

ASIA—CLIMATE

Summer of 1963 in Europe and Asia. T. V. Sidochenko. Priroda 52 no. 10:121-123 '63.

ASIA—CULTURE

Culture at the crossroads. S. Mitin. Vop. lit. 7 no. 10:126-131 O '63.

ASIA—DESCRIPTION AND TRAVEL

Danibegov, Rafail. [Travels of Rafail Danibegashvili; eighteen years spent in Asian countries] Puteshestvie Rafaila Danibegashvili; vosem'nadtsat' let v stranakh Azii. Tbilisi, Sabchota Sakartvelo, 1963. 120 p. [In Georgian and Russian]

ASIA—GEOLOGY

Fruitful thoughts. S. V. Obruchev. Priroda 52 no. 10:54 '63.

ASIA—POLITICS

Great friend and teacher of the Oriental peoples. I. Chekrikov. Komm. Ukr. 38 no. 11:84-87 N '62.

ASIA—SNAKES

Lytorhynchus ridgeway. I. P. Sosnovskii, V. I. Trofimov. Priroda 52 no. 10:96 '63.

ASIA, CENTRAL—ART

Study of the styles in the art of Central Asia. L. N. Rempel'. Obshchestv. nauki v Uz. 7 no. 6:41-49 '63.

ASIA, CENTRAL—EUROPEAN WAR, 1914-1918

A military episode or direct aggression? R. Tuzmukhamedov. Mezhdunar. zhizn' 10 no. 11 124-127 N '63.

ASIA, SOVIET CENTRAL see Soviet Central Asia

ASIA MINOR—TURKMEN

Ethnography of the Turkmen in Asia Minor. D. Eremeev. Trudy Inst. ist., arkheol. i etn. AN Turk. 7 172-191 '63.

ASKANIYA NOVA PRESERVE—ZEBRAS

Zebras in Askaniya Nova Preserve. V. D. Treus, N. V. Lobanov, I. S. Slesl'. Priroda 52 no. 10 73-78 '63.

ASPERGILLUS

Effect of the active acidity of the culture medium on the amylolytic enzymes of the "Aspergillus oryzae" mold fungus. N. I. Daniliak, N. G. Cherevko. Spirt. prom. 29 no. 7:11-15 '63.

Enzymatic and thermal treatment of grape pomace by preparations of Aspergillus niger. A. A. Maitakov. Trudy Inst. mikrobiol. i virus. AN Kazakh SSR 7 66-68 '63.

Viscosity and density of enzyme solutions. A. L. Mal'chenko, L. N. Aganesova. Spirt. prom. 29 no. 7 1-5 '63.

ASPHALT CONCRETE

Shirokov, S. D. [Asphalt concrete] Asfal'tobeton. Moskva, Avtotransizdat, 1963. 45 p. (V pomoshch' rabochemu-dorozhniku)

ASPHALTENES

Genesis of tar-asphaltene components of oil. I. V. Skliar. Trudy VNIGRI no. 212, Geokhim. sbor. no. 6:36-40 '63.

ASPHYXIA

Traumatic asphyxia. P. S. Drachuk. Ortop., travm. i protez. 24 no. 6:47-49 Je '63.

ASPHYXIA NEONATORUM

Changes in the capillary bed of the liver in fetuses and newborn of white rats in asphyxia [with summary in English]. A. A. Cheremnykh. Arkh. pat. 25 no. 7 58-61 '63.

Structural changes in the pia mater in fetuses and newborn infants in asphyxia. E. A. Odintsova. Zdrav. Bel. 9 no. 3 36-37 Mr '63.

ASSAULT AND BATTERY

Responsibility for slander and insulting acts. A. Nikolaev. Sov. iust. no. 20:21-22 O '63.

ASSEMBLY-LINE METHODS

Calculating costs in the assembly-line organization of production. V. Filippova. Bukhg. uchet 20 no. 11:41-44 N '63.

Forms of the organization of continuous production lines in the cutting shops of clothing factories. A. A. Skvira. Izv. vys. ucheb. zav., tekh. leg. prom. no. 5:18-30 '63.

Methods for the automation of assembly work. I. M. Koleson. Stan. i instr. 34 no. 11:19-23 N '63.

Progressive assembly line. E. G. Pochkin. Mashinostroenie no. 6 70-71 N-D '63.

Semiautomatic production line for the manufacture of leather from pigskins and potentials for increasing capacity and labor productivity. I. K. Kviatkevich. Izv. vys. ucheb. zav. ; tekh. leg. prom. no. 5:98-105 '63.

ASTAF'EV, VIKTOR PETROVICH

Your life shall never end.... Lenina Ivanova. Znamia 33 no. 11:222-223 N '63.

ASTHMA

Cardiac asthma. M. IA. Ar'ev. Med. sestra 22 no. 11:20-23 N '63.

Spontaneous pneumothorax during an attack of bronchial asthma in children. N. A. Tiurin, I. A. Kulinich. Pediatriia 41 no. 7:66-68 Jl '63.

ASTRAKHAN—COMMUNIST YOUTH LEAGUE

Rays of our "communist-youth projector." I. Tenchurin. Grazhd. av. 20 no. 10:12 O '63.

ASTRONAUTICS

Appeal of the Central Committee of the CPSU, the Presidium of the Supreme Soviet of the U. S. S. R., and the government of the Soviet Union. Fiz. v shkole 23 no. 3:4-5 My-Je '63.

Events that will never be forgotten. Zhen. mira no. 12:4-7 '61.

Immortal heroism of the builders of communism and a new triumph of Soviet science. Ukraina no. 16:2-3 Ag '62.

Soviet squadron in space. Fiz. v shkole 23 no. 3:3 My-Je '63.

Use outer space for peaceful purposes. M. Cherneha. Ukraina no. 12:5 Je '62.

ASTRONAUTICS—BIBLIOGRAPHY see Bibliography—*Astronautics*

ASTRONAUTS

Best of luck to you! A. Golikov. Ogonek 41 no. 46 6-7 N '63.

"Earthians." Grigorii Khait. Smena 40 no. 19 4-5 O '63.

And more takeoffs.... G. Semenikhin. Sov. voin. 43 no. 14:8 Jl '63.

Stars are waiting.... L. Chebrets'. Znam. ia plamia no. 10:15 O '63.

Traditions of space friendship. Viktor Bolikov. Chas. i 40 no. 13:9 Jl '63.

ASTRONAUTS—NUTRITION

Food for men. I. Nekhamkin. Tekh. mol. 31 no. 12 31-36 '63.

ASTRONOMICAL INSTRUMENTS

Field-type photoelectric setup for astronomical determinations. N. A. Beliaev. Geod. i kart. no. 10:11-20 O '63.

ASTRONOMICAL MODELS

Conference on the methods and results of calculating stellar models. O. Dluzhnevskaia. Astron. zhur. 40 no. 6:1132-1134 N-D '63.

ASTRONOMICAL PHOTOGRAPHY

Reduction for distortion in photographic positions of celestial bodies determined with a small number of reference stars [with summary in English]. A. A. Berselev. Izv. GAO 23 no. 1:150-160 '62.

ASTRONOMICAL REFRACTION see Refraction, Astronomical

ASTRONOMY

Akademiia nauk SSSR. [As seen by a scientist] Vselennaia - Earth to the galaxies, To the atomic nucleus, From the atom to the molecule, From the molecule to the [illegible] nism] Glazami uchenogo: Ot Zemli do galaktik, K [illegible] atoma, Ot atoma do molekuly, Ot molekuly do [illegible] ma. Moskva, Izd-vo Akad. nauk SSSR, 1963. 79 p.

ASTRONOMY—ABSTRACTS

[Astronomy] Ref. zhur.: Astron. no. 12 D '63.

ASTRONOMY—BIBLIOGRAPHY see Bibliography—Astronomy

ASTRONOMY—CONGRESSES

Fourth All-Union Conference on Radio Astronomy. S. E. Kaplan and others. Izv. vys. uchob. zav.; radiofiz. 6 no. 4:861-869 '63.

ASTRONOMY—OBSERVATIONS
(see also subdivision under Vologda)

Investigating the "evening error" and the [illegible] from observations with the new PPI-1 Pulkovo [illegible] instrument [with summary in English]. [illegible] lian [Cheng Chung-liang]. Izv. GAO 23 no. 1 [illegible]

Observational program of circumpolar stars [illegible] termining the orientation of the instruments [illegible] major planets and the sun [with summary in [illegible]] A. I. Pliugina, V. N. Shishkina. Izv. GAO 24 [illegible] '62.

ASTRONOMY—SOCIETIES, ETC.

Plenum of the Committee on Theoretical Astronomy. M. S. IArov-IAtovol. Astron. zhur. 40 no. 6 [illegible] N-D '63.

ASTRONOMY—STUDY AND TEACHING

Astronomic observations in schools during the 1963-1964 *school year*. P. I. Popov. Fiz. v shkole 23 no. 3:44-49 My-Je '63.

Schools and planetariums. Fiz. v shkole 23 [illegible] My-Je '63.

ASTRONOMY, ARMENIAN

Armenian lunar tables. B. E. Tumanian. Izv. [illegible] tekh. 1:74-82 '60.

Newly revealed astronomical tables of Anania Shirakatsi. A. G. Abraamian. Iz ist. est. i tekh. 1:50-53 '62.

ASTRONOMY, RADAR IN see Radar in astronomy

ASTROPHYSICS—BIBLIOGRAPHY see Bibliography—Astrophysics

ASYNCHRONOUS ELECTRIC MOTORS see Electric motors, Induction

ATATURK, KAMAL, d. 1938

Mustafa Kamal Atatürk. B. Potakhverdia. Av. i kosm. [illegible] no. 12:32-33, 48 D '63.

ATHEISM

The most important events in the life of churches and religious groups in the U. S. S. R. N. A. Tver'. Mat. i soob. issl. otd. Inst. po izuch. SSSR no. 30 S-O '63.

[Program for studying the fundamentals of scientific atheism] Programma po izucheniiu osnov nauchnogo ateizma; dlia kryzhkov sistemy politicheskogo [illegible] nila (40 chasov). [Moskva] Sotsekgiz, 1963. 14 p.

ATHEISM (Continued)

"Studies on the history of Russian atheists in the 18th century" by IU. IA. Kogan. Reviewed by I. R. Dunaevskii. Vop. ist. 38 no. 11:177-184 N '63.

You cannot force them to accept the customs of the past. Viktor Lukashenka. Rab. i sial. 39 no. 10:17 O '63.

ATHEISM—STUDY AND TEACHING
(see also subdivision under Brest Province, Bryansk Province; Khmel'nitskiy Province, Pskov Province; Uzbekistan)

Atheistic education is a concern of the whole party. I. Brazhnik. Part. zhizn' no. 21:91-96 D '63.

Combining work with the individual and with the masses. S. Bulanov. Bibliotekar' no. 11 27-29 N '63.

From darkness to light. V. Maslennikov. Komsom. zhizn' no. 20 20-22 O '63.

Individual atheistic work in schools. G. P. Bursa. Sov. pedag. 27 no. 10:50-55 O '63.

Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii RSFSR. [Atheistic theories should be spread among the people] Ateisticheskie znaniia - narodu, stenogramma lektsii, prochitannykh na respublikanskikh seminarakh i v narodnykh universitetakh ateizma. Leningrad, 1963. 302 p.

Scientific and atheistic propaganda in schools; survey of literature. L. IA. Kornets. Sov. pedag. 27 no. 11 145-149 N '63.

Scientific and atheistic training in social science classes. I. S. Palterovich. Prep. ist. v shkole 28 no. 6:13-25 N-D '63.

They became atheists. N. Bazilevskaia. Bibliotekar' no. 11 35-37 N '63.

Useful seminar. N. Gel'man. Bibliotekar' no. 11:20-30 N '63.

[We broke away from religion; stories of former believers] My porvali s religiei, rasskazy byvshikh veruiushchikh. Izd. 2., ispr. i dop. Moskva, Voenizdat, 1963. 506 p. (Nauchno-populiarnaia biblioteka)

ATHETOSIS

Capillaroscopy in athetosis with spastic paralysis. I. N. Chernousova. Eksp. issl. po fiziol., biokhim. i farm. no. 3:75-78 '61.

State of the fundus oculi in spastic paralysis and athetosis. M. V. Zaitkova. Eksp. issl. po fiziol., biokhim. i farm. no. 3:79-82 '61.

Study of vascular tonus and blood pressure in athetosis patients using the method of arterial oscillography. L. N. Chernousova. Eksp. issl. po fiziol., biokhim. i farm. no. 3:69-74 '61.

Thermal asymmetry in spastic hemiparesis with athetosis. N. G. Krol'. Eksp. issl. po fiziol., biokhim. i farm. no. 3:61-67 '61.

ATLANTIC OCEAN—BIOLUMINESCENCE

Luminescence of water in the Atlantic. A. P. Kuznetsov. Priroda 52 no. 10:102-104 '63.

ATLANTIC OCEAN—SEALING

Controlling the hunting of hooded seal in the North Atlantic. L. A. Popov. Okhr. prir. i ozel. no. 3:81-86 '60.

ATLASES

Interesting cartographic study. S. Umurzakov. Izv. Kir fil. Geog. ob-va SSSR no. 4:77-79 '63.

ATMOSPHERE
(see also subdivision under Northern Hemisphere)

Beliakov, M. V. [Ocean of air (atmosphere of the earth)] Vozdushnyi okean (atmosfera Zemli). Moskva, Voenizdat, 1963. 120 p. (Nauchno-populiarnaia biblioteka)

Fifth Interdepartmental Conference on Atmospheric Optics and Actinometry. G. Rozenberg. Usp. fiz. nauk 81 no. 3:560-573 N '63.

Fluctuations in atmospheric radio emission (with summary in English). K. S. Stankevich, L. N. Bondar'. Izv. vys. ucheb. zav., radiofiz. 6 no. 4:669-673 '63.

Stratification of the atmosphere in the field of warm fronts. S. I. Ponomarenko. Trudy TSIP no. 125:30-44 '63.

ATMOSPHERE, UPPER—RESEARCH

First in the stratosphere. M. Arlazorov. Znan. sila 38 no. 9:42-44 S '63.

ATMOSPHERE, UPPER—ROCKET OBSERVATIONS

Satellite, rocket, and atmosphere. I. Koshelenko. Nauka i zhyttia 13 no. 10:25 N '63.

ATMOSPHERIC ELECTRICITY see subdivision under Elbrus, Mount

ATMOSPHERIC NUCLEATION

Methodology of observations of condensation nuclei from a helicopter. M. A. Beliashova. Trudy GGO no. 140: 95-101 '63.

ATMOSPHERIC PRESSURE—PHYSIOLOGICAL EFFECT

Effect of atmospheric pressure on the reproductive capacity of rams [with summaries in English, German, and French]. D. I. Malikov. Vest. sel'khoz. nauki 8 no. 6:82-86 Je '63.

ATMOSPHERIC TEMPERATURE
(see also subdivision under Barents Sea)

Growth of cumulonimbus and the characteristics of the overlying temperature field in the upper troposphere and in the tropopause zone. A. A. Reshchikova, V. I. Silaeva, S. M. Shmeter. Trudy TSAO no. 47 55-62 '63.

Vertical distribution of water in stratus and its relation to the temperature at the cloud base. E. I. Demidova, L. V. Novozorova. Trudy TSAO no. 47 96-100 '63.

ATMOSPHERIC TURBULENCE

Some characteristics of the spectra of temperature pulsations in an atmospheric boundary layer. L. R. Tsvang. Izv. AN SSSR, Ser. geofiz. no. 10:1594-1600 O '63.

ATOMIC BOMB—TESTING

Make way for the good atom! Znan. sila 38 no. 9 1 S '63.

ATOMIC BONDS see Binding energy

ATOMIC ENERGY

Brief news. Atom. energ. 15 no. 5:442-443 N '63.

Magic devices. N. Gushchin. Sov. voin. 13 no. 22:33 N '63.

Ostroumov, G. N. [Taming of the sun] Priruchenie solntsa. Moskva, Izd-vo "Izvestiia," 1962. 130 p. (Biblioteka "Izvestii")

ATOMIC ENERGY—BIBLIOGRAPHY see Bibliography—Atomic energy

ATOMIC ENERGY—ECONOMIC ASPECTS

Akademiia nauk SSSR. Institut ekonomiki. [Method for determining the economic efficiency of utilizing atomic energy in the national economy] Metodika opredeleniia ekonomicheskoi effektivnosti ispol'zovaniia atomnoi energii v narodnom khoziaistve. Moskva, Gosatomizdat, 1963. 53 p.

ATOMIC ENERGY RESEARCH
(see also subdivision under Japan)

V. I. Veksler, laureate of the Atoms for Peace Award. I. N. Semenitushkin, I. V. Chuvilo. Priroda 52 no. 10 108-109 '63.

ATOMIC ICEBREAKERS

Sivintsev, IU. V. [Radioactivity testing of the atmospheric air and the Neva River in the region of mooring tests of the atomic icebreaker "Lenin"] Issledovaniia radiatsionnoi chistoty atmosfernogo vozdukha i reki Nevy v raione shvartovykh ispytanii atomnogo ledokola "Lenin." Moskva, In-t atomnoi energii AN SSSR, 1960. 27 p.

ATOMIC NUCLEI see Nuclei, Atomic

ATOMIC POWER PLANTS see subdivision under Beloyarsk

ATOMIC SPECTRA

Characteristics of lower excited levels of atoms in certain isoelectron sequences including coronal ions [with summary in English]. A. A. Nikitin. Astron. zhur. 40 no. 6:1025-1035 N-D '63.

Sobel'man, I. I. [Introduction to the theory of atomic spectra] Vvedenie v teoriiu atomnykh spektrov. Moskva, Fizmatgiz, 1963. 640 p.

ATOMIC SUBMARINES see subdivision under United States

ATOMIC WEAPONS see subdivision under France; United States

ATOMIC WEAPONS—INTERNATIONAL CONTROL

Africa wants peace. V. Sidenko. Nov. vrem. 21 no. 48: 8-9 N '63.

Enthusiastic support. S. Pavlishchev. Kul't. i zhizn' 7 no. 11:20-21 '63.

Ioirysh, A. I., and M. I. Lazarev. [A treaty which cleans the atmosphere...; ban on tests of nuclear weapons in the atmosphere, outer space, and under water] Dogovor, ozdorovliaiushchii atmosferu..., o zapreshchenii ispytanii iadernogo oruzhiia v atmosfere, v kosmicheskom prostranstve i pod vodoi. Moskva, Sotsekgiz, 1963. 61 p.

The Oslo Conference. Linus Pauling. Zhen. mira no. 11:9 '61.

Peaceful coexistence and the defense power of the U. S. S. R. I. Glagolev, V. Larionov. Mezhdunar. zhizn' 10 no. 11:39-48 N '63.

The "Round Table Conference." Konni Zilliacus. Nov. vrem. 21 no. 51:16 D '63.

ATOMIC WEAPONS—TESTING
(see also subdivision under Oceanica)

Act of great international significance. N. Ul'ianova. Rad. pravo no. 6:8-12 N-D '63.

Autumn of great expectations. H. Navitskii. Rab. i sial. 39 no. 10:16 O '63.

ATOMIC WEIGHTS

New scale and table of atomic weights. A. M. Dymov. Zav. lab. 29 no. 10:1275-1276 '63.

ATOMIZATION

Methods for the design and calculation of an experimental spray-drying system for the production of detergents. F. F. Kasperovich, N. P. Shakhova, I. K. Getmanskii. Trudy NIISZHPMSa no. 3 98-101 '62.

Results of research on the efficiency of a mazut flame jet. V. G. Lisienko and others. Izv. vys. ucheb. zav., chern. met. 6 no. 10 139-148 '63.

ATOMIZATION—EQUIPMENT AND SUPPLIES

Design of mechanical atomizer nozzles. A. S. Lyshevskii. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 5:865-873 '63.

ATOMS

Concept of electronegativity of atoms. Part 4. Consideration of semitheoretical and theoretical methods of determining the electronegativity values [with summary in English]. V. P. Spiridonov, V. M. Tatevskii. Zhur. fiz. khim. 37 no. 9 1973-1978 S '63.

ATROPHY

Atrophic acrodermatitis. A. G. Zemlianoi. Vest. khir. 91 no. 7 83-86 Jl '63.

Two cases of adrenal atrophy in prolonged steroid therapy. G. P. Shul'tsev, A. M. TSyganova. Klin. med. 41 no. 7 121-123 Jl '63.

ATROPHY, MUSCULAR

Role of muscular atrophy in the genesis of posttraumatic contractures and its control. V. V. Volkova. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 203-207 '59.

ATTACK AND DEFENSE (MILITARY SCIENCE)

Choice of direction of the main attack. A. Shimanskii. Voen.-ist. zhur. 5 no. 10:3-14 O '63.

ATTAR OF ROSES see subdivision under Kazanlik region

ATTITUDE (PSYCHOLOGY)

Set in habit interference. Z. I. Khodzhava. Eksp. issl. po psikhol. sb. 2:171-193 '63.

ATYASHEVO DISTRICT—AGRICULTURAL WORKERS

And it's quiet again. V. Smirnov. Komsom. zhizn', no. 22 11-11 N '63.

AUDIOMETRY

Speech audiometry in Latvian. L. Burmeisters. Izv. AN Latv. SSR no. 9 95-102 '63.

AUDIO-VISUAL EDUCATION

All-Russian Conference on the Use of Audio-Visual Aids and Programming. Vest. vys. shkoly 21 no. 11:66-67 N '63.

Audio-visual aids in evening schools. I. Melamedov. Nar. obr. no. 12:95-96 D '63.

Mechanized instruction. M. Politti, V. Tregubov. Prof.-tekh. obr. 20 no. 10:15 O '63.

Tyumen' notebooks. Z. Korobitsyna. Nar. obr. no. 9: 43-46 S '63.

AUDIO-VISUAL EQUIPMENT

Brief news. V. G. Razumovskii, E. M. Braverman, I. V. Popov. Fiz. v shkole 23 no. 3:110-112 My-Je '63.

AUDIO-VISUAL EQUIPMENT—EXHIBITIONS see subdivision under Leningrad

AUDITING AND INSPECTION
(see also subdivision under Kazakhstan; Kustanay; Leningrad Province)

Control commissions in the Communist Youth League. A. Svetlikov. Mol. kommunist no. 9 55-61 S '63.

Daily economic analysis of enterprise operations. L. Karakoz. Bukhg. uchet 20 no. 9:25-28 S '63.

Improve intradepartmental financial control. S. Svitich. Bukhg. uchet 20 no. 5 37-38 My '63.

Topic plan for a school of the "Communist Youth League Searchlight" of an agricultural administration. Komsom. zhizn' no. 19:3-6 O '63.

When the encyclopedia makes an error. L. Ovsiannikov. Mol. kommunist no. 9:86-88 S '63.

AUDITING AND INSPECTION—CONGRESSES

Conference of the workers of the auditing and inspection apparatus. Bukhg. uchet 20 no. 9:77-78 S '63.

AURAMCHYK, MIKOLA

Handfuls of golden grain. B. Burlian. Belarus' 20 no. 9:28 S '63.

AURANTIN

Effect of actinomycin D and aurantin on the multiplication of some myxoviruses. V. M. Zhdanov, A. G. Bukrinskaia. Vop. virus. 8 no. 2 230-232 Mr-Ap '63.

AURORAS see subdivision under Tiksi Bay

AUSTENITE

Investigation of thermokinetic austenite transformation in steels. F. I. Ivanov, M. A. Gontar'. Sbor. Novo-Kram. mashinostroi. zav. no. 5:120-127 '59.

AUSTENITE (Continued)

Using stepped attenuation of comparison lines in X-ray diffraction determination of residual austenite, B. A. Brusilovskii. Sbor. Novo-Kram. mashinostroi. zav., no. 5:108-119 '59.

AUSTENITE—METALLOGRAPHY

Reagent for detecting austenite grains, A. K. Krasnova, A. V. Smirnova, I. P. Bardina. Zav. lab. 29 no. 10 1204-1205 '63.

AUSTRALIA—CRIME IN LITERATURE

Justice isn't done. K. Ribl'. Sots. zakon. 40 no. 9 82-83 S '63.

AUSTRALIA—REFUGEES, LATVIAN—POLITICAL ACTIVITIES

Nazi trash in Australia. M. Riv. Nov. vrem. 21 no. 50 19 D '63.

AUSTRALIA—WOMEN'S PERIODICALS

Women's press. Zhen. mira no. 11:31 '61.

AUSTRIA—ELECTRICITY, INJURIES FROM

Injuries from electricity in Austria in 1961. IA. E. Volf'kovich. Prom. energ. 18 no. 11 52-54 N '63.

AUSTRIA—HEAT REGENERATORS

New design of heat regenerator systems. D. N. Vasil'ev. Bum. prom. 38 no. 11 28 N '63.

AUSTRIA—PAPERMAKING MACHINERY

Machine for the production of sanitary tissues. B. M. Gutkin. Bum. prom. 38 no. 11:29 N '63.

AUSTRIA—PUBLIC HEALTH

Useful exchange of experience. Kul't. i zhizn' 7 no. 11: 11-12 '63.

AUTHORS see subdivision under Leningrad

AUTHORS—CORRESPONDENCE, REMINISCENCES, ETC.

Gor'kii, Maksim. [Literary portraits] Literaturnye portrety. [Moskva] Molodaia gvardiia, 1963. 571 p. (Zhizn' zamechatel'nykh liudei. Serila biografii, no. 1(358))

AUTHORS, UKRAINIAN

"Molodniak," a literary organization in Kiev. K. O. Khrypko. Rad. lit. 7 no. 6:33-41 N-D '63

AUTHORS, WHITE RUSSIAN

[Fifty-four roads, autobiographies of White Russian writers] Piats'dziesiat chatyry darohi, autabiiagrafii belaruskikh pis'mennikau. Minsk, Redaktsyia mastatskai lit-ry, 1963. 550 p. (Dziarzhaunae vydavetstva BSSR)

AUTHORS AND PUBLISHERS

Azov, L. M. [Copyright royalties for the publication of literary works] Avtorskii gonorar za izdanie literaturnykh proizvedenii. Moskva, Gosturizdat, 1963. 62 p. (Iuridicheskie konsul'tatsii dlia naselenia v voprosakh i otvetakh)

AUTOCLAVES

Interaction of calcium hydroxide and carbonate under autoclave treatment. M. S. Shvartsman, E. P. Sidorov, B. N. Vinogradov. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:51-56 '62.

Thermal activation of fine-grained dustlike sand. D. D. Dzhigiris. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:57-65 '62.

AUTOIMMUNE DISEASES

Autoimmune reactions in Botkin's disease with fatal outcome [with summary in English]. S. O. Avsarkisian. Arkh. pat. 25 no. 7:37-41 '63.

AUTOMATIC CONTROL

Algorithmation of a process of optimum control of a boiler unit. G. I. Khutskii. Izv. vys. ucheb. zav.; energ. 6 no. 9:74-78 S '63.

Application of Mikhailov's criterion in the study of the stability of linear systems using a modeling apparatus [illegible]trich. Avtom. i

Automatic sampling in preparative chromatography. V. E. Kazakevich and others. Khim. i tekh. topl. i masel 8 no. 11 49-52 N '63.

Automatic starting of steam turbines. Sudostroenie 29 no. 11 71 N '63

Berg, A. I. [Cybernetics and reliability] Kibernetika i nadezhnost'. Moskva, Izd-vo "Znanie," 1963. 30 p. (Novoe v zhizni, nauke, tekhnike. IV Serila Tekhnika, no. 21)

Beseker skii, V. A., ed. [Collection of problems on the theory of automatic control] Sbornik zadach po teorii avtomaticheskogo regulirovanila [By] V. A. Beseker skii i dr. Moskva, Fizmatgiz, 1963. 408 p.

Calculating the control characteristics of an amplitude-type photocopying system. IU. V. Kurlovich. Trudy VNIIAvtogen no. 9 3-18 '63.

Calculation of the accuracy of essentially nonlinear automatic control systems (with summary in English). K. A. Pupkov. Avtom. i telem. 24 no. 11 1573-1582 N '63.

Chinaev, P. I. [Multidimensional automatic systems] Mnogomernye avtomaticheskie sistemy. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1963. 278 p.

Consideration of the dynamic nonlinearity of magnetic amplifiers in the design of automatic control systems [with summary in English]. E. I. Khlypalo. Avtom. i telem. 24 no. 11:1533-1538 N '63.

Continuous process of chemical precipitation with automatic control. I. M. Vasserman, E. A. Fomina. Khim. prom. no. 8 607-610 Ag '63.

Contribution to the theory of complex systems. N. P. Buslenko. Izv. AN SSSR. Tekh. kib. no. 5:7-18 S-O '63.

Control of manipulators of automatic conveying systems. P. S. Bondarenko, I. M. Palilov. Khim. prom. no. 8 616-619 Ag '63.

Convergence of a random search method with optimalizing control of multiparameter systems [with summary in English]. L. A. Rastrigin. Avtom. i telem. 24 no. 11 1467-1473 N '63.

Design of a third-order control system of optimum response with three limitations. N. P. Lonshakov. Izv. AN SSSR. Tekh. kib. no. 5 149-156 S-O '63.

Design of automated heat exchange apparatus for the dairy industry. F. M. Tarasov. Trudy VNIMI [Mol.] no. 22:75-96 '62.

Determination of the coefficients of transfer functions of linearized links of automatic control systems using a relaxation method. K. D. Zhuk. Izv. vys. ucheb. zav., elektromekh. 6 no. 9:1062-1070 '63.

Developing a method of automatic control of nitro-oleum composition. S. F. Matveev, V. A. Kolpakov, A. G. Rebitskii. Khim. prom. no. 8 596-600 Ag '63.

Device for automatic control and regulation of detergent concentration in bottle washing machines. L. P. Brusilovskii, A. IA. Vainberg, T. A. Kabanova. Trudy VNIMI [Mol.] no. 22,19-28 '62.

Device for automatic foam control in vacuum-evaporating apparatus. A. M. Gusev. Trudy VNIMI [Mol.] no. 22: 39-42 '62.

Device for continuous automatic control and indication of kefir acidity in the tank production method. L. P. Brusilovskii, A. IA. Vainberg, T. A. Kabanov. Trudy VNIMI [Mol.] no. 22:28-38 '62.

Dobrolenskii, IU. P., V. I. Ivanova, and G. S. Pospelov. [Automation of guided missiles] Avtomatika upravliaemykh snariadov. Pod red. G. S. Pospelova. Moskva, Oborongiz, 1963. 548 p.

Effect of couplings through a common power supply on the behavior of automatic control systems. V. I. Ivanenko. Izv. AN SSSR. Tekh. kib. no. 5:171-174 S-O '63.

Efficiency of the automatic control of diesel engine lubrication. M. Khavenskii. Rech. transp. 22 no. 10: 17-18 O '63.

Electron-beam photoelectric converter for studying the dynamics of visual analyzers using control theory methods [with summary in English]. G. V. Voronin. Avtom. i telem. 24 no. 11:1524-1532 N '63.

Entropy stability of linear continuous automatic control systems. A. A. Krasovskii. Izv. AN SSSR. Tekh. kib. no. 5,19-26 S-O '63.

How to improve the automatic control of incubators. K. Mandalaka. Tekh. v sel'khoz. 23 no. 10,32-38 O '63.

Identity conditions of systems optimum by different criteria [with summary in English]. O. M. Kozlov. Avtom. i telem. 24 no. 11:1454-1460 N '63.

Increasing of the reliability of equipment by a method which involves combination of general reservation by substitution and separate reservation with permanently connected reserve. A. M. Polovko, N. K. Zainashev. Izv. AN SSSR. Tekh. kib. no. 5 133-140 S-O '63.

International exhibition of laboratory equipment, measuring devices and means of automation. A. Z. Grishchenko. Avtom. i prib. no. 4:85-90 O-D '63.

Isakovich, R. IA. [Control and automation of petroleum and gas production] Kontrol' i avtomatizatsiia dobychi nefti i gaza. Moskva, Gostoptekhizdat, 1963. 354 p.

Khoroshavin, S. A. [Elements of automatic control in physics and electrical engineering courses in secondary schools] Elementy avtomatiki v kurse elektrotekhniki i fiziki sredne shkoly; posobie dlia uchitelei elektrotekhniki i fiziki. Moskva, Uchpedgiz, 1963. 189 p.

Kriuchkov, A. D. [Automatic control of piston compressors] Avtomatizatsiia porshnevykh kompressorov. Moskva, Mashgiz, 1963. 276 p.

Kropotov, A. I. [Photocell pickups in control equipment of chemical industries] Fotoelementy - datchiki v boirakh kontrolia khimicheskikh proizvodstv. Leningrad, 1963. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Serila: Pererovnivaiushchaia [illegible] myshlennost', no. 5)

Kuz'min, V. V., and A. V. Gerasimov [Automatic devices in woodworking combines] Avtomaticheskie ustroistva na derevoobdelochnykh kombinatakh. Leningrad, Goslesbumizdat, 1963. 59 p.

Mechanization and automation of the shakeout of large and medium molds. L. IA. Kozarevich. Mashinostroenie no. 5 70-75 S-O '63.

Method for the approximate solution of integral equations for optimum filtration [with summary in English]. P. Chelpanov. Avtom. i telem. 24 no. 11:1561-1564 '63.

Microprogram control in measuring systems. V. Kurochkin. Mnogokan. izm. sist. v ind. fiz. [illegible] 112 '63.

Nauchno-tekhnicheskaia konferentsiia po priborom promyshlennogo kontrolia i sredstvam avtomatiki [Industrial control equipment and the means of automatic control] Pribory promyshlennogo kontrolia i sredstva avtomatiki, doklady i soobshcheniia. Moskva, Gos. izd-vo tekhn. lit-ry USSR, 1963. 370 p.

Polkanov, I. P. [Automatic control and accounting for tractor driven machinery] Avtomaticheskii kontrol i uchet raboty mashinno-traktornykh agregatov. [illegible] M. P. Sergeeva. Moskva, Mashgiz, 1963. 199 p.

Pospelov, L. P. [Automatic and remote control] Rudnichnaia avtomatika i telemekhanika. Moskva, Gosgortekhizdat, 1963. 414 p.

Principles of the theory of automatic control. V. [illegible] stantinov. Sudostroenie 29 no. 10:77 O '63.

Problems concerning errors and data processing in measuring the frequency of string transducers and systems of centralized control with electronic digital computers. R. IA. Kasumov, R. B. Tumaev. [illegible] Azerb. SSR, Ser. fiz.-mat. i tekh. nauk no. 1 [illegible]

Reliability of multichannel control. S. S. [illegible] Mnogokan. izm. sist. v ind. fiz. no. 5 [illegible]

Self-cleaning, automatic filters for oil and [illegible] Zaitsev, B. A. Goloburdin. Sudostroenie [illegible] 28 N '63.

Sokolov, P. V., and E. A. Shornikov. [Centralized control and automatic regulation of conditions in [illegible] drying kilns] TSentralizovannyi kontrol' i avtomaticheskoe regulirovanie rezhimov v lesosushil'nykh kamerakh. Leningrad

No. 1. 1963. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Serila: Derevoobrabatyvaiushchaia promyshlennost', no. 5)

Some problems of optimum control. Part 2 [illegible] mary in English]. B. G. Pittel'. Avtom. i telem. 24 no. 11:1441-1453 N '63.

Standard equipment of central control points for [illegible] and construction projects. IU. IU. Bulanov. i dor. mash. 8 no. 11,13-16 N '63.

Study of a third-order automatic control system, in respect to the sense of braking time with [illegible] speed. L. P. Smol'nikov, IU. A. Bychkov, [illegible] Izv. AN SSSR, Tekh. kib. no. 5:157-161 S-O '63.

Succession-type multistage controllers for a digital control systems [with summary in English]. G. [illegible] chuk. Avtom. i telem. 24 no. 11:1501-1511 [illegible]

Suchilin, A. M. [Linear tracking systems] Lineinye slediashchie sistemy, konspekt lektsii. Leningrad, Leningr. politekhn. in-t, 1963. 117 p.

Symposium on multiextremal problems. I. B. Mo[illegible] A. A. Fel'dbaum. Avtom. i telem. 24 no. 11 [illegible] N '63.

Symposium on multioptimalizing problems. V. B. Motskus, A. A. Fel'dbaum. Izv. AN SSSR, [illegible] no. 5:175-176 S-O '63.

Synthesis of an optimal control system. V. [illegible] Izv. AN SSSR, Tekh. kib. no. 5:141-148 S-O '63.

Synthesis of discrete systems using a polynomial [illegible] tion method [with summary in English]. M. B. [illegible] stratov. Avtom. i telem. 24 no. 11:1473-1[illegible]

System for the automatic control of distillate [illegible] using operating lines of automatic telephone [illegible] as communication channels [with summary in [illegible] B. S. Bobrov and others. Avtom. i telem. 24 [illegible] 1593-1600 N '63.

Theory of image recognition and self-teaching [illegible] M. A. Aizerman and others. Izv. AN SSSR. [illegible] no. 5:98-101 S-O '63.

Theory of television transducers used in automatic [illegible] trol systems (with summary in English on p. [illegible] Levit. Tekh. kino i telev. 7 no. 11:36-43 N [illegible]

Transient and steady-state conditions in optimalized sampled-data systems with independent [illegible] summary in English]. IU. S. Popkov. Avtom. i telem. 24 no. 11:1487-1500 N '63.

Use of a small parameter technique in self-oscillatory and resonant systems approaching a conservative state. M. G. Portnoi. Trudy VNIIF no. 15:179-190 '63.

AUTOMATIC CONTROL (Continued)

Use of commutating phase-shifting filters in an automatic control system with variable structure. S. V. Emel'yanov, V. A. Taran. Izv. AN SSSR, Tekh. kib. no. 5 164-170 S-O '63.

Use of electronic methods for the automatic control of moisture content of some milk products. A. IA. Vainberg. Trudy VNIMI [Mol.] no. 22:71-75 '62.

Using high-speed optimalizing regulator for the optimization of industrial objects. L. M. Liberzon, A. B. Polov. Priborostroenie no. 11 20-21 N '63.

Using multiple route, multichannel, and complex navigational systems in automatic ship steering. E. N. Perevozentsev. Trudy TSNIIMF 8 no. 47,82-88 '63.

Vibrational losses in continuous chemical manufacture. B. I. Mordkovich. Khim. prom. no. 6:613-615 Ag '63.

Volgin, L. N. [Elements of the theory of control machines] Elementy teorii upravliaiushchikh mashin. Moskva, Sovetskoe radio, 1962. 155 p. (CSt:mo:R)

AUTOMATIC CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur.: Avtom., telem. i vych. tekh. no. 1 Ja '64.

AUTOMATIC CONTROL—ELECTRONIC EQUIPMENT

Electronic apparatus for automatic inspection and sorting of defective glass containers. A. IA. Vainberg, I. P. Brusilovskii, V. I. Bellaev. Trudy VNIMI [Mol.] no. 22:68-71 '62.

AUTOMATIC CONTROL—HANDBOOKS, MANUALS, ETC.

Kopelovich, A. P. [Brief handbook on automatic control in ferrous metallurgy] Kratkii spravochnik po avtomaticheskomu regulirovaniiu v chernoi metallurgii. Moskva, Metallurgizdat, 1963. 407 p.

AUTOMATIC MACHINERY see Machinery, Automatic

AUTOMATIC REFRIGERATION

Automation and protection of refrigerating machinery. R. V. Pavlov. Ser. III: Nov. mash., obor. i sred. avtomatiz. no. 59:21-42 '63.

Automation of large refrigeration plants. V. P. Lazhevskii. Ser. III: Nov. mash., obor. i sred. avtomatiz. no. 59:12-20 '63.

Automation of large wholesale cold storage warehouses. Sh. N. Kobulashvili. Ser. III: Nov. mash., obor. i sred. avtomatiz. no. 59:4-11 '63.

Automation of wholesale cold storage warehouses according to the plans of the State Institute for the Design and Planning of Refrigeration and Dairy Industry Establishments. III. S. Krylov. Ser. III: Nov. mash., obor. i sred. avtomatiz. no. 59:12-51 '63.

Devices and means for the automation of refrigerating systems developed by the All-Union Scientific Research Institute of the Refrigeration Industry. L. A. Pavlova. Ser. III: Nov. mash., obor. i sred. avtomatiz. no. 59:65-74 '63.

Experience in the operation of the automated Cold Storage Warehouse No. 1 in Moscow. N. N. Simonov. Ser. III: Nov. mash., obor. i sred. avtomatiz. no. 59: 77-82 '63.

Experience in the operation of the Harbor Cold Storage Warehouse in Leningrad. L. P. Sysoev. Ser. III: Nov. mash., obor. i sred. avtomatiz. no. 59:82-85 '63.

From the resolution of the All-Union Conference on the Automation of Refrigerating Machinery in Large Cold Storage Warehouses. Ser. III: Nov. mash., obor. i sred. avtomatiz. no. 59:86 '63.

Temperature and pressure relay for the automation of refrigerating machinery. N. N. Rogachev. Ser. III: Nov. mash., obor. i sred. avtomatiz. no. 59:53-62 '63.

Use of electronic machines for the automation of cold storage warehouses. G. M. Kasatkina. Ser. III: Nov. mash., obor. i sred. avtomatiz. no. 59:51-52 '63.

AUTOMATION

Automated line of the Siberian Technological Institute for primary processing of untopped trunks at the landings of lumbering enterprises. A. I. Lavlonov and others. Trudy STI no. 32:27-33 '62.

Automatic line for chamfering and groove milling. I. P. Nikitin. Mashinostroenie no. 6:11 N-D '63.

Automating the high pressure hydraulic breaking-down of coal. I. F. TSiapko. Trudy VNIIGidrouglia no. 1:3-13 '62.

Automation and increase in productivity of loading stations of ring cableways. IU. D. Tarasov. Mekh. i avtom. proizv. 17 no. 10:16-19 O '63.

Automation of technological processes in the production of sweetened condensed milk. IA. I. Golubovich, A. M. Gusev. Trudy VNIMI [Mol.] no. 22:11-18 '62.

Automation of the chemical industries. M. Fedorovich. Kommunist 40 no. 16:78-84 N '63.

Dlumberg, V. A., and P. A. Pakidov. [Productivity and economic efficiency of the mechanization and automation of metal cutting] Proizvoditel'nost i ekonomicheskaia effektivnost' mekhanizatsii i avtomatizatsii mekhanicheskoi obrabotki. Pod red. A. A. Matalina. Leningrad, Mashgiz, 1963. 176 p.

Brief news. Khim. prom. no. 9:713 S '63.

Complete automation of technological processes in the production of pasteurized milk in bottles. A. IA. Vainberg, L. P. Brusilovskii. Trudy VNIMI [Mol.] no. 22: 7-11 '62.

Complete automation of tubular rotary kilns. I. B. Shramko. TSvet. met. 36 no. 10 11-50 O '63.

Conference. M. L. Lesnitskii. Mekh. i avtom. proizv. 17 no. 10:55-56 O '63.

Conference on the automation of oil extraction operations. Mash.-zhir. prom. 29 no. 10 44 O '63.

Dreams for the future. D. Andreev. IUn. tekh. 8 no. 11: 19-20 N '63.

Here it is, cybernetics. Leonid Sharoli'. Ogonek 41 no. 13:14-16 O '63.

Joudu, Kusta. [Automation] Automaatika. Tallin, Eesti Riiklik Kirjastus, 1962. 355 p.

Life demands. E. Temchin. Nov. mir 38 no. 6:165-172 Je '62

Marvelous automatic plant. N. Mikhinau. Belarus' 20 no. 10 22 O '63.

Mechanization and automation of food production processes. G. A. Kallazin. Mekh. i avtom. proizv. 17 no. 10 11-16 O '63.

Practice in the mechanization and automation of assembly and fitting work in the manufacture of electric instruments. N. P. Ivantsova. Priborostroenie no. 11 24-25 N '63.

Results of tests of new devices and technological means of automation. L. P. Brusilovskii, A. M. Gusev. Trudy VNIMI [Mol.] no. 22:43-68 '62.

Ridel', E. I., and I. V. Shtefko. [Over-all mechanization of loading and unloading operations with packaged piece goods] Kompleksnaia mekhanizatsiia i avtomatizatsiia pogruzochno-razgruzochnykh rabot s tarno-shtuchnymi gruzami. Moskva, Mashgiz, 1963. 205 p.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. 3. Sec. A. ch. 4. [Basic principles for over-all mechanization and automation in the construction industry] Kompleksnaia mekhanizatsiia i avtomatizatsiia v stroitel'stve, osnovnye polozhenila (SNiP III-A. 4-62). 1963. 8 p.

Scientific and technological development of the U. S. S. R. and the all-round development of workers. L. I. Kogan. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 4,28-36 '63.

Scientific technical conference on automation and weighing and proportioning processes. G. E. Gorlin, I. A. Altman. Izm. tekh. no. 11 54-55 N '63.

Somin, K. F., and B. D. Shcherbakov. [Mechanization and automation of ticket office operations in stations] Mekhanizatsiia i avtomatizatsiia bileto-kassovykh operatsii na vokzalakh. Moskva, Transzheldorizdat, 1963. 51 p. (Dostizhenila nauki i tekhniki - v proizvodstvo)

Social consequences of automation in the U. S. S. R. S. S. Voronitsyn. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 49/50:55-66 S-O '63.

Tkachenko, F. A., and others. [Mechanization and automation in Krivoy Rog Basin mines] Mekhanizatsiia i avtomatizatsiia shakht Krivbassa. [Dnepropetrovsk] Dnepropetrovskoe knizhnoe izd-vo, 1963. 60 p.

Use of electronics in the "Bureau for procurement and sales." B. Klavdin. Znan. sila 38 no. 9:47 S '63.

AUTOMATION—BIBLIOGRAPHY see Bibliography—Automation

AUTOMATION—DICTIONARIES

[Automation of production processes and industrial electronics, encyclopedia of modern technology] Avtomatizatsiia proizvodstva i promyshlennaia elektronika; entsiklopediia sovremennoi tekhniki. Glav. red. A. I. Berg i V. A. Trapeznikov. Moskva, Sovetskaia entsiklopediia. (Entsiklopedii, slovari, spravochniki)
Vol. 2. K - Pogreshnost' izmerenila. 1963. 528 p.

AUTOMATION—ECONOMIC ASPECTS
(see also subdivision under Moscow Province)

Economic evaluation of the standards of production mechanization and automation. D. L'vov. Plan. khoz. 40 no. 12:12-19 D '63.

AUTOMOBILE DRIVERS

Life of people is entrusted to you. L. Kuznetsov. Sel'. mekh. no. 10:23 O '63.

AUTOMOBILE DRIVERS—EDUCATION AND TRAINING
(see also subdivision under Moscow)

The steering gear should be in skilled hands. G. Koneiskii. Za bezop. dvizh. 6 no. 11:11 N '63.

AUTOMOBILE DRIVERS' TEST see subdivision under Moscow

AUTOMOBILE INDUSTRY see subdivision under Moscow

AUTOMOBILE INDUSTRY—EQUIPMENT AND SUPPLIES

Unit for displacing, lifting and turning motor-vehicle frames. L. A. Ulisov. Avt. prom. 29 no. 11:40-41 N '63.

AUTOMOBILE INDUSTRY—INFORMATION SERVICES

Establishing a reference and information collection in a plant. V. A. Sadovnikov, M. I. Lazarev. Nauch.-tekh. inform. i prop. no. 3 24-28 '63.

AUTOMOBILE RACING see subdivision under Czechoslovakia

AUTOMOBILES see subdivision under Zaporozhlye

AUTOMOBILES—CATALOGS

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [Motor vehicles of the U. S. S. R.' catalog the M-13 and M-13B Chaika" automobiles structural changes and the interchangeability of parts and units] Katalog-spravochnik "Avtomobili SSSR, avtomobil Chaika" modelei M-13 i M-13B, konstruktivnye izmeneniia i vzaimozamenaemost' detalei, uzlov i agregatov. Moskva, 1963. 52 p.

AUTOMOBILES—ELECTRIC EQUIPMENT

Criteria for the evaluation of automobile generators. IU. A. Kupcev. Avt. prom. 29 no. 11 27-29 N '63.

AUTOMOBILES—ENGINES—CARBURETORS

Investigating the performance of an automobile carburetor under variable temperature conditions. V. A. Orlov. Avt. prom. 29 no. 11 29-32 N '63.

AUTOMOBILES—MAINTENANCE AND REPAIR
(see also subdivision under Taurage)

Organization and methodology of industrial training on the technical maintenance of automobiles. G. V. Gorev. Sred. spets. obr. 10 no. 11 11-19 N '63

AUTOMOBILES—MODELS

First champion. A. Riabov, K. Turbcho. IUn. tekh. 8 no. 11 30-32 N '63.

AUTOMOBILES—SAFETY APPLIANCES

Once more on Gorelik's device. Za bezop. dvizh. 6 no. 11:10 N '63.

AUTOMOBILES—TESTING

Heroes of black sands. V. Nazarov, G. Lisonas. Znan. sila 38 no. 9 40-42 S '63

AUTOMOBILES—TRAILERS

Cafe "Volna." V. Martyshchuk. Obshchestv. pit. no. 8 38 Ag '63.

Mobile café. T. Galkevich. Obshchestv. pit. no. 8 37 Ag '63.

AUTOMOBILES—TRANSMISSION DEVICES

Infinitely variable friction devices. V. Sidorov. Nar. khoz. Kazakh. 21 no. 9 74-75 S '63.

AUTOMOTIVE TRANSPORTATION see Transportation, Automotive

AUTONOMIC DRUGS

Intratracheal anesthesia and the use of neuroplegic preparations in surgery on the thyroid gland [with summary in English] A. A. Menishov. Vest. khir. 90 no. 6 113-115 Je '63.

AUTONOMIC NERVOUS SYSTEM see Nervous system, Autonomic

AUTORADIOGRAPHY

Use of the autoradiographic method in genetic mineralogy, geochemistry, and crystallomorphology. D. A. Mineev. Trudy IMGRE no. 16 60-64 '63.

AUTOPSY

Methodology of autopsy to examine the lungs for the differentiation of various forms of atelectasis [with summary in English]. D. S. Sarkisov, L. D. Krymskii. Arkh. pat. 25 no. 7 84-85 '63.

Morphological tests of the stress reaction in the human myocardium [with summary in English]. K. M. Danilova. Arkh. pat. 25 no. 7:42-49 '63.

Postmortem diagnosis of radioisotope lesion in man [with summary in English]. D. A. Ulitovskii. Arkh. pat. 25 no. 6:67-71 '63.

Postmortem histochemical determination of cholinesterase activity [with summary in English]. G. IA. Pekker. Arkh. pat. 25 no. 7 80-84 '63.

AUXILIARY POLICE

Voluntary policemen of a drug plant. P. Soldatov. Sots. zakon. 40 no. 11:81 N '63.

AVALANCHES

An avalanche is coming. N. A. Tel'puk. Priroda 52 no. 10:88-89 '63.

AVRAMENKO, IL'IA K.

Il'ia Avramenko's book of verse "Turning toward the river." IUrii Loginov. Zvezda no. 5:210 My '62.

AXILLA—WOUNDS AND INJURIES

Plastic surgery of the axillary artery using a lavsan prosthesis. P. E. Zavgorodnyi, L. V. Lebedev. Vest. khir. 91 no. 7:72-73 Jl '63.

AXONOMETRIC PROJECTION

Porsin, IU. IA. [Axonometric representation of machine parts] Aksonometricheskie izobrazheniia mashinostroitel'nykh detalei Moskva, Mashgiz, 1963. 165 p

AYDAR VALLEY—GEOLOGY

Structure of the Upper Cretaceous formation in the Aydar-Darkul interfluve M IA. Blank. Geol. zhur. 23 no 5 56-62 '63

AZERBAIJAN—AERONAUTICS, COMMERCIAL

From newspapers. Grazhd. av. 20 no.10-5 O '63

AZERBAIJAN—AFFORESTATION

Valuable and fast-growing species for plantations. I. S. Safarov. Dokl AN Azerb SSR 19 no. 4:55-59 '63

AZERBAIJAN—ARCHAEOLOGY

Historical and archaeological information on the Giulistan stronghold [in Azerbaijani with summary in Russian]. G. Dzhiddi. Izv AN Azerb. SSR Ser. obshchestv nauk no 6:39-56 '61.

AZERBAIJAN—BARITE

Barytes of Azerbaijan and their utilization in industry. A D. Kerimov. Za tekh. prog. 3 no. 10:26-31 O '63.

AZERBAIJAN—COLOR MOTION PICTURES

Processing of color motion-picture materials in the "Azerbaijanfilm" Studio. S. A. Iskanderov. Tekh. kino i telev. 7 no. 10 92 O '63.

AZERBAIJAN—COTTON—DRYING

Economic efficiency of a field and centralized drying and cleaning of raw cotton. A. G. Garvinov. Za tekh. prog. 3 no. 7:47-48 Jl '63.

AZERBAIJAN—DESCRIPTION AND TRAVEL

The sky-blue Talysh Mountains. Volodymyr Kolin'ko. Ukraina no. 17:14-15 S '62.

AZERBAIJAN—ECONOMIC POLICY

Development and problems of the planning of Apsheron and the Azerbaijan Economic Administrative District R. G. Mekhtiev. Izv. AN Azerb. SSR Ser. obshchestv. nauk no 6:143-154 '61

AZERBAIJAN—ELECTRIFICATION

Electrification of the national economy of Azerbaijan during the period of socialist industrialization, 1926-1928 [in Azerbaijani with summary in Russian] G. IA. Abdulsalimzade. Izv AN Azerb SSR Ser. obshchestv nauk no 6 155-165 '61

AZERBAIJAN—GAS, NATURAL—GEOLOGY

Efficient method of commercial prospecting in multilayer fields in Azerbaijan. B. K. Babazade. Azerb. neft khoz. 40 no. 5:3-5 My '61.

AZERBAIJAN—GOAT GRASS

Some biological and morphological characteristics of goat grass (Aegilops L.) found in Azerbaijan [in Azerbaijani with summary in Russian]. A. G. Mamedov. Dokl AN Azerb. SSR 19 no. 4:61-68 '63.

AZERBAIJAN—HISTORY

Akademiia nauk Azerbaidzhanskoi SSR, Baku. Institut istorii. [History of Azerbaijan in three volumes] Istoriia Azerbaidzhana v trekh tomakh. Pod red. I. A. Guseinova i dr. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR.

Vol. 3. Pts. 1-2. 1963.

Guseinov, Akhmed. [Azerbaijani-Russian relations from the 15th through the 17th century] Azerbaidzhano-russkie otnosheniia XV-XVII vekov. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 238 p.

[illegible] stamov. Izv. AN Azerb. [illegible] '61

AZERBAIJAN—POTTERY

Artistic folk glazed pottery of Azerbaijan during the 12th-13th century. N. Nadzhafova. Izv. AN Azerb. SSR, Ser. obshchestv. nauk no. 6:107-122 '61.

AZERBAIJAN—PREHNITE—ANALYSIS

Prehnite in ultrabasic and basic rocks of the Azerbaijani section of the Lesser Caucasus R. K. Gasanov, Sh. I Allahverdiev. Dokl. AN Azerb. SSR 19 no. 4:43-47 '63.

AZERBAIJAN—REVOLUTION, 1917-1921

First socialist reforms introduced by the Soviet regime in Azerbaijan [with summary in English, p. 220]. A. M. Gindin, I. S. Musliumov. Vop. ist. 38 no. 11:17-33 N '63.

AZERBAIJAN—ROCKS, SEDIMENTARY

Sultanov, A. D., and others. [Lithology of sediments in the Apsheronian stage of Azerbaijan] Litologiia otlozhenii apsheronskogo iarusa Azerbaidzhana. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 249 p.

AZERBAIJAN—SNOW LINE

System of hydrochemical zoning of the snow cover in Azerbaijan. I. N. Stepanov, Sh. M. Agaev. Za tekh. prog. 3 no. 7:38-41 Jl '63.

AZERBAIJAN—SOVIETS

Establishment of soviets in Azerbaijan, 1920-1921 [in Azerbaijani with summary in Russian] Kh. Akhmedov. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 6:3-18 '61.

AZERBAIJAN—STEEL ALLOYS—CORROSION

Choice of materials for underground constructions in Solonchak soils [in Azerbaijani with summary in Russian]. M. F. Mugbilov. Azerb. neft. khoz. 40 no 5:11-45 My '61.

AZERBAIJAN—TANK CARS

Increasing the turnover of tank cars. A. F. Agaev, L. A. Arustakesian. Za tekh. prog. 3 no. 10:40-44 O '63.

AZERBAIJAN—TAT LANGUAGE—DIALECTS

Grimberg, A. L. [The Tat language in northern Azerbaijan] IAzyk severoazerbaidzhanskikh tatov. Leningrad, Izd-vo Akad. nauk SSSR, 1963. 208 p.

AZERBAIJAN—TEA

Consumption of raw materials and its accounting in the tea industry. A. IU. Bagirov. Za tekh. prog. 3 no. 7: 46-47 Jl '63.

AZERBAIJAN—TECHNOLOGY—INFORMATION SERVICES

Bibliography in the service of industrial production. E. N. Streltsova. Za tekh. prog. 3 no. 10:44 O '63.

AZERBAIJAN—TELECOMMUNICATION

Regional administrations are being provided with good means of communication with state farms and collective farms. T. K. Guseinov. Vest. sviazi 22 no. 11, 22-24 N '62.

AZERBAIJAN—TUBERCULOSIS—CONGRESSES

Third Conference on Tuberculosis in the Azerbaijan S.S.R. A. D. Nurmamedov, TS. M. Rabinovich. Probl. tub. 40 no. 6:109-112 '62.

AZERBAIJAN—WATER, UNDERGROUND

Calculating the balance of underground waters of the continental strata of the Kirovabad-Kazakh inclined plain. L. A. Krasil'shchikov. Za tekh. prog. 3 no. 10: 37-39 O '63.

AZERBAIJAN—WEAVING

From the history of weaving in Azerbaijan during the 13th-16th century [in Azerbaijani with summary in Russian]. G. A Guliev. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 6:57-66 '61.

AZERBAIJANI LANGUAGE—FOREIGN ELEMENTS

Transcription of Arabic vowels in contemporary Azerbaijani [in Azerbaijani with summary in Russian]. M. A. Panakhi. Izv. AN Azerb. SSR, Ser. obshchestv. nauk. no. 6:167-175 '61.

AZERBAIJANI LANGUAGE—WORD FORMATION

The word "bir" in the Azerbaijani language and its derivatives [in Azerbaijani with summary in Russian]. R. IA. Khalilov. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 6:67-80 '61.

AZERBAIJANI LITERATURE—HISTORY AND CRITICISM

Akademiia nauk SSSR, Institut mirovoi literatury. [Outline history of Soviet Azerbaijani literature] Ocherk istorii azerbaidzhanskoi sovetskoi literatury. Moskva, Izd-vo Akad. nauk SSSR, 1963. 570 p.

AZERBAIJANI LITERATURE—PERIODICALS

Literary problems in the "Kashkul" journal [in Azerbaijani with summary in Russian]. A. R. Zeinalov. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 6:95-106 '61.

AZIMUTH

By intersection with azimuth indicators. A. Pylitsyn. Voen. vest. 43 no. 11:127 N '63.

AZOTOBACTER see subdivision under Kiyaz'ma Valley; Moskva Valley

AZOV, SEA OF—FISHERIES

Fishing season. O. Iordii. Ukraina no. 17:18-19 S '62.

BCG VACCINATION

Comparative evaluation of methods for detecting allergy following the vaccination of schoolchildren with BCG vaccine. I. M. Akopian. Zhur. eksp. i klin. med 3 no. 4:49-56 '63.

Streptomycin and BCG therapy of guinea pigs infected with various doses of Mycobacterium tuberculosis [with summary in French]. R. Radanov, P. Dobrev. Probl. tub. 40 no. 6:91-95 '62.

BABBITT METAL—ANALYSIS

Determination of bismuth in babbitt with xylenol orange. A. A. Amsheeva. Mashinostroenie no. 6:97-98 N-D '63.

BABEUF, FRANCOIS NOEL, 1760-1797

Dalin, V. M. [Gracchus Babeuf; his life before and during the great French Revolution, 1785-1794] Grakh Babef, nakanune i vo vremia Velikoi frantsuzskoi revo liutsii, 1785-1794. Moskva, Izd-vo Akad. nauk SSSR, 1963. 614 p.

BACTERIA

Possibility of bacteria surviving the metamorphosis of the housefly [with summary in English]. D. M. Zhuzhan. Med. parazit. i parazit. bol. 32 no. 5, 556-562 S-O '63.

Zhukov-Verezhnikov, N. N., and A. P. Pokhov. [Genetics of bacteria] Genetika bakterii. [Moskva] Medgiz, 1963. 457 p.

BACTERIA, EFFECT OF DRUGS ON

Experimental study of the antibacterial effect of some antibiotics and chemotherapeutic preparations on a Mycobacterium tuberculosis culture (in vitro). I. V. Shevchenko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:293-295 '59.

Formation of streptomycin-resistant variants of Gärtner's bacillus in the organism of an animal [with summary in English]. L. G. Kuz'mina. Antibiotiki 7 no. 10 902-906 O '62.

Surgical treatment in pulmonary tuberculosis course in Mycobacterium tuberculosis resistant to antibacterial preparations [with summary in French]. Z. F. Lais-adze, I. P. Kopeiko, P. A. Semenkin. Probl. tub. 40 no. 6:48-51 '62.

BACTERIA, PATHOGENIC

Materials on the variability of the antigenic bacterial properties under the influence of antibiotics. P. O. Livkina. Trudy Khab. med. inst. 23 no. 2:80-84 '62.

Serologic identification of entomopathogenic bacilli M. V. IAlovitsyn. Trudy Inst. mikrobiol. i virusol. AN Kazakh. SSR 7 228-234 '63.

BACTERIA, PHYTOPATHOGENIC

Effect of some physical factors on the pathogenesis of bacterioses in soybean seeds [with summary in English]. M. V. Krasnova. Mikrobiol. zhur. 25 no. 7, 27-52 '63.

BACTERIA, SULFUR

Development of green sulfur bacteria and the formation of pigments by them in various regions of the Black Sea. R. M. Baltiskaia, IU. E. Erokhin. Dokl. AN SSSR 153 no. 2:460-463 N '63.

Effect of temperature on the luminescence of bacteriochloridin and its state in photosynthesizing bacteria. A. A. Krasnovskii, IU. E. Erokhin, B. A. Gulliev. Dokl. AN SSSR 152 no. 5:1231-1234 O '63.

BACTERICIDES

Antibacterial effect of some N-substituted pyridine derivatives. Report No. 2. L. R. Kolomoitsev, N. Ir Hoonia, A. K. Sheinkman. Mikrobiol. zhur. 25 no. 7 58-67 '63.

BACTERIOLOGY—CULTURES AND CULTURE MEDIA

Conditions for the formation of novobiocin from an Actinomyces spheroides culture. Development of a synthetic medium and a study of the effect of some nitrogen and carbohydrate sources on the biosynthesis of the antibiotic [with summary in English]. N. S. Egorov, V. I Ushakova. Antibiotiki 7 no. 10:863-868 O '62.

Conditions for the formation of organic acids by pectin utilizing bacteria cultured on the prehydrolysate of reed. D. L Shamis, G. O. Berezina, M. G. Sanfirova. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR [illegible] '63.

Significance of the culture method and repeated examinations in the diagnosis of trichomoniasis of the genitourinary tract [with summary in English]. A. N. Tsaregorodtsev, E. M. Roigas, I. A. Laan. Med. parazit. i parazit. bol. 32 no. 5:586-588 S-O '63.

BACTERIOPHAGE

Study of the natural variability in "transactive" phage-resistant variants of producers of streptomycin [with summary in English]. A. F Teteriatnik, S. I. Alikhanian, Z. G. Oleneva. Antibiotiki 7 no. 10-859-862 O '62.

BACTERIOVIRIDIN

Development of green sulfur bacteria and the formation of pigments by them in various regions of the spectrum. E. M. Pashinskaia, N. P. Prokhin. Dokl. AN SSSR 153 no.2 460-463 N '63.

Effect of temperature on the luminescence of bacteriochlorin and its state in photosynthesizing bacteria. A. A. Krasnovskii, Iu. U. Erokhin, B. A. Gulianev. Dokl. AN SSSR 153 no. 5 1231-1234 O '63.

BADAEV, ANANII VASIL'EVICH, ca. 1887-

Life dedicated to the theater. Vl. Zheleznyak. Volog. krai no. 3, 237-239 '62.

BADEN, OTTO NIKOLAEVICH, 1903-

Otto Nikolaevich Baden's 60th birthday. D. A. Krainov. Sov. arkheol. 7 no. 4, 296-298 '63.

BADKHYZ—GEOLOGY, STRATIGRAPHIC

Geological history of Badkhyz at the beginning of the Alay era. A. A. Dubinskii. Izv. AN Turk. SSR, Ser. fiz.-tekh., khim. i geol. nauk no. 1 117-118 '62.

BADKHYZ PRESERVE—KIANG

Karkha River as the most important watering place for kulans of the Badkhyz Preserve. L. O. Solomatin. Okhr. prir. i zool. no. 3:109-111 '60.

BADMINTON (GAME)

Grigor'ev, P. N. [Badminton; a sports game for all] Badminton; sportivnaia igra dlia vsekh. Leningrad, Obl. vo po rasprostraneniiu politicheskikh i nauchnykh znanii RSFSR, 1963. 55 p.

BAGASSE

Loading fresh bagasse into trucks. P. V. Glavatskii. Sakh. prom. 37 no. 10:39 O '63.

BAGDAVADZE, EKATERINA, 1916-

Tiflis. Dom rabotnikov iskusstv Gruzinskoi SSR. [Exhibition of works by five Georgian artists: Ekaterina Bagdavadze, Petr Datebashvili, Georgii (Gaioz) Kotrikadze, Vladimir Toroiadze, and Grigorii Chirinashvili. A catalog] Vystavka rabot piati Gruzinskikh khudozhnikov; Ekaterina Bagdavadze, Petr Datebashvili, Georgii (Gaioz) Kotrikadze, Vladimir Toroiadze, Grigorii Chirinashvili. Katalog. Tbilisi, Soiuz khudozhnikov Gruzinskoi SSR i Khudozh. fond Gruzinskoi SSR, 1961. 63 p. plates. [In Georgian and Russian] (MH)

BAGRITSKII, EDUARD GEORGIEVICH, 1895-1934

From the political lyrics of Eduard Bagritskii; forgotten verse of the 1920's. L. IA. Rezunkov. Uch. zap. Petrozav. gos. un. 7 no. 1, 303-307 '58.

BAIKAL LAKE REGION—TRACE ELEMENTS

Trace elements in Pre-Cambrian sediments of the western part of the Lake Baikal region. S. M. Katchenkov, L. I. Flegontova. Trudy VNIGRI no. 212. Geokhim. sbor. no. 6:202-212 '63.

BAIKAL LAKE REGION—WATER—COMPOSITION

Iodine content of the waters of the Baikal Lake basin; preliminary data. V. V. Baranskaia. Izv. ISKHI no. 14: 50-52 '62.

BAIKAL LAKE REGION IN ART

[Baikal in works of Irkutsk artists; album of reproductions] Baikal v proizvedeniiakh khudozhnikov Irkutska; al'bom reproduktsii. Leningrad, Khudozhnik RSFSR, 1961. [8] p. plates.

BAKCHAR REGION—IRON ORES

Kolpashevo-Bakchar region of the West Siberian iron-ore basin. A. A. Bahin, E. A. Babina. Mat. po geol. Zap.-Sib. niz. no. 3:131-151 '62.

BAKERIES—EQUIPMENT AND SUPPLIES

Zorin, E. T., and Iu. M. Tinikov. [Assembly, operation and repair of bakery equipment] Montazh, ekspluatatsiia i remont khlebopekarnogo oborudovaniia. Moskva, Izd-vo TSentrosoiuza, 1963. 251 p.

BAKERIES—HYGIENIC ASPECTS see subdivision under Leningrad

BAKERIES—MANAGEMENT see subdivision under Fort Shevchenko

BAKERIES—TECHNOLOGICAL INNOVATIONS see subdivision under North Kazakhstan Province

BAKERS see subdivision under Moscow

BAKING

(see also subdivision under Kazakhstan)

Home cookery. Obshchestv. pit. no. 6:62-63 Je '63.

BAKU—ALLIED INTERVENTION, 1918-1920

Twenty six. L. Shaumian. Mol. komm. no. 9:108-110 S '63.

BAKU—ARCHITECTURE

The architecture of Baku at the turn of the 19th-20th century. Sh. Fatullaev. Izv. AN Azerb. SSR, Ser. obshchestv. nauk no. 6:123-142 '61.

BAKU—CIVIC IMPROVEMENT

Alesker ov, G. I., and IA. G. Sadovskii. [The city strides forward tomorrow; meditations over Baku's future] Gorod shagaet v zavtra, razdum'ia o budushchem Baku. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 66 p.

BAKU—CUSTOMHOUSE

Construction of a special building for the Baku customhouse [In Azerbaijani with summary in Russian] M. A. Musaev. Dokl. AN Azerb. SSR 19 no. 4:93-96 '63.

BAKU—DESCRIPTION

The city which we guard. D. Mamedov. Sov. voin 14 no. 9:36-37 Ja '62.

BAKU—MILITARY EDUCATION

In a complex of tactical exercises. G. Ovrutskii. Voen. vest. 43 no. 11 100-101 N '63.

BAKU—NEWSPAPERS

People's control in operation. Part. zhizn' no. 24:70 D '63.

BAKU—PETROLEUM PRODUCTS

Further curtailment of losses of petroleum products contained in sewage of Baku petroleum refineries. V. I. Tochilov. Izv. vys. ucheb. zav., neft' i gaz 4 no. 12:113-116 '61.

BAKU—RAILROADS—FREIGHT

After the signal, concrete measures should be taken. N. Guseinov, A. Agaev. Part. zhizn' no. 22:44-46 N '63.

BAKU ARCHIPELAGO—SALT

Diffusion displacement of salts in clays of the Baku Archipelago region. N. P. Zatenatskaia. Dokl. AN SSSR 152 no. 3:717-720 S '63.

BAKUNIN, MIKHAIL ALEKSANDROVICH, 1814-1876

How K. Marx and F. Engels opposed M. Bakunin's negation of the dictatorship of the proletariat. S. I. Erofeev. Izv. vys. ucheb. zav., prav. 7 no. 3 109-118 '63.

BALAKHNA (GORKIY PROVINCE)—WOODPULP INDUSTRY

Our contribution to the acceleration of the technical progress. IU. Z. Platonov. Bum. prom. 38 no. 11:22-23 N '63.

BALANCE—TESTING

Effect of defects in lever arms of balances on the precision of weighing. T. B. Dashevskii, I. A. Al'tman, V. A. Koval'. Izm. tekh. no. 10:28-30 O '63.

BALANCE OF PAYMENTS see subdivision under United States

BALKHAN RANGE REGION—TURKMEN

Settlements and dwellings of the Turkmen in the Balkhan Range region from the end of the 19th to the early 20th century. A. Orazov. Trudy Inst. ist., arkheol. i etn. AN Turk. 7:36-57 '63.

BALKHASH—COPPER INDUSTRY

The golden meridian. O. Mukhin. Part. zhizn' Kazakh. 33 no. 11:70-74 N '63.

BALL BEARINGS

Statics of a radial thrust ball bearing. L. Z. Novikov. Izv. AN SSSR. Mekh. i mashinostr. no. 5:17-26 S-O '63.

BALL BEARINGS—MAINTENANCE AND REPAIR

Groove-grinding machine for the racers of single-ball thrust bearings. V. A. Podkopaev. Bum. prom. 38 no. 11:25-26 N '63.

BALLAST (RAILROADS)

Compaction of the ballast during vib
shchikov. Vest. TSNII MPS 22 n

Manual on the mechanization of bal
A. T. Chizhov, I. D. Ulantsev. Tr
73-74 S '63.

More crushed stone for track m
khoz. 7 no. 11:23-24 '63.

Quality control of ballast tampir
Put' i put. khoz. 7 no. 10:42 '

BALLAST (RAILROADS)—MAIN

Device for the repair of the bal
lov. Put' i put. khoz. 7 no. 1

BALLET

(see also subdivision under M

Revelation of the dance. Joan
no. 11:38-41 '63.

Vladimirov, V. N. [Talks about
muzyke. [Kalinin] Kalininsk
122 p.

BALLISTOCARDIOGRAPHY

Clinical significance of the ana
traction phase in rheumatic f
English]. G. S. Kozlov. Ter
My '63.

Effect of preoperative care an
contractile function of the my
sis [with summary in English
Vest. khir. 91 no. 7:8-11 Jl

BALLISTOCARDIOGRAPHY—EQUIPMENT AND SUPPLIES

Ballistocardiographic table with direct damping, methods of balistocardiography. V. A. Pshenichnikov, Iu. A. Ivanov, B. S. Gorokhovskii, and V. A. Kuz'min. Kardiologiia 3 no. 5:86-90 S-O '63.

BALLOON ASCENSIONS

First in the stratosphere. M. Nikolaev. Znan.-sila 38 no. 9:42-44 S '63.

BALLOONS

Montgolfiers of the twentieth century. A. Nesterenko. Tekh. mol. 31 no. 11:24-26 '63.

BALTA DISTRICT—EMBEZZLEMENT

This skilled investigator was just a tyro not long ago. A. Velupov. Sots. zakon. 40 no. 10:61-62 O '63.

BALTASI—PUBLIC HEALTH

Public health activity in the Baltasi Area of the Tatar A.S.S.R. B. V. Ganushin. Fiz. med. zhur. no. 5:57-59 S-O '63.

BALTIC SEA—MARINE BIOLOGY

Jarvekulg, Arvi, and Ivar Veidre. [Life in the Baltic Sea] Elu Laanemeres. Tallinn, Eesti Riiklik Kirjastus, 1963. 350 p. (Teaduse teedelt) [In Estonian]

BALTIC SEA—WORLD WAR, 1939-1945—NAVAL OPERATIONS

Tributs, V. F. [Submariners of the Baltic attack, military memoirs] Podvodniki Baltiki atakuiut, voennye memuary. [Leningrad] Lenizdat, 1963. 333 p.

BALTIC SEA REGION—ICE

Characteristics of the formation of fall-winter ice and forecasting of the appearance of ice on rivers of the Baltic Sea region. T. N. Markevich, N. A. Anisimova. Trudy GGI no. 86 3-65 '62.

BALTIC SEA REGION—SPEARS

Weld steel ornamented (Damascus) spear points from the ancient Baltic Sea region. A. K. Amtsin. Sov. arkheol. 7 no. 4 167-178 '63.

BAMI—EXCAVATIONS (ARCHAEOLOGY)

Stratigraphy of the Bami settlement. O. K. Berdyev. Sov. arkheol. 7 no. 4 188-194 '63.

BAMI—STONE AGE

Stratigraphy of the Bami settlement. O. K. Berdyev. Sov. arkheol. 7 no. 4 188-194 '63.

BANACH SPACES

An iterative process for a nonlinear operator equation. R. A. Shafiev. Dokl. AN Azerb. SSR 19 no. 4:3-6 '63.

Lozinskii-Kharshiladze's systems. M. I. Kadets. Ush. mat. nauk. 18 no. 5 167-169 S-O '63.

BANDAGES AND BANDAGING

Apparatotherapy in paralytic scoliosis. A. I. TSukerman. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 41-47 '58.

Belt for patients following surgery on the abdominal cavity. K. P. Pozdeeva. Med. sestra 22 no. 10 52-53 O '63.

BANKS AND BANKING, COOPERATIVE

Pleskii, G. M. [How to organize the work of a mutual aid fund] Kak organizovat' rabotu kassy vzaimopomoshchi. [Moskva] Profizdat, 1963. 79 p. (Bibliotechka profsoiuznogo aktivista, no. 13(61))

BAR ASSOCIATIONS

Voluntary work of practicing lawyers among the masses.

BARENTS SEA—WINDS

Variability of the mean air temperature depending on the direction and velocity of the wind in the Barents Sea. V. V. Filippov. Trudy NIIAK no. 20 3-29 '63.

BARGES

Operation of barges without crews. I. Shcherbatiuk. Rech. transp. 22 no. 10 10-11 O '63.

BARITE see subdivision under Azerbaijan

BARIUM—SPECTRA

Spectral characteristics of the system W- Ba in polarized light. M. L. Kapitsa, L. M. Grigor'ev, A. V. Ivanov. Fiz. tver. tela 5 no. 11, 3349-3350 N '63.

BARIUM ISOTOPES—ANALYSIS

Simple method for the isolation of radioactive strontium and barium [with summary in English]. E. Bokacs-Polgar, I. Kurez-Csiky. Zhur. anal. khim. 18 no. 10: 1206-1210 O '63.

BARK BEETLES see subdivision under Voronezh Province

BARK BEETLES—EXTERMINATION see subdivision under Arzamas region

BARK INSCRIPTIONS see subdivision under Novgorod

BARLEY

New high-yield varieties of malt barley. B. L. Sher. Spirt. prom. 29 no. 7, 39-40 '63.

BARNAUL—CREAMERIES—ACCOUNTING

Analysis of carrying out the production program of creameries. I. Shilin. Bukhg. uchet 20 no. 5 32-35 My '63.

BARNAUL—LECTURES AND LECTURING

Comrade Klimov is right. M. Bol'shakova. Sov. profsoiuzy 19 no. 18, 26 S '63.

BARTEL'S, ALEKSANDR VLADIMIROVICH, 1898-

A. V. Bartel's; on his 65th birthday. Akush. i gin. 39 no. 4: 136-137 Jl-Ag '63.

BASALT see subdivision under Talas Alatau, Transcarpathia

BASHKIRIA—AGRICULTURAL WAGES

Principle of material self-interest is an important means for developing state farm production. M. Kh. Khakimov. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 6 38-49 N-D '63.

BASHKIRIA—CHERNOZEM SOILS

Effect of farming on the content and composition of humus in the leached deep Chernozem soils of the Bashkirian cis-Ural region and methods of the efficient use of their natural riches [with summary in English]. M. N. Miftakhov, S. N. Taichinov. Pochvovedenie no. 11: 51-62 N '63.

BASHKIRIA—DISABILITY EVALUATION

By common efforts. L. Vakhrusheva, R. Kleiman. Sots. obesp. 24 no. 9 24-26 S '63.

BASHKIRIA—DRUGSTORES

History of the nationalization of pharmacies in Bashkiria from 1917 to 1919. A. M. Fudim. Kaz. med. zhur. no. 5 103-104 S-O '63.

BASHKIRIA—FERTILIZER INDUSTRY

Boz with a ribbon. V. Khrupin. Ogonek 41 no. 50: 6-7 D '63.

BASHKIRIA—GEOLOGY, STRATIGRAPHIC

Mosolovo horizon in the southwest of the platform part of Bashkiria. V. F. Logvin. Dokl. AN SSSR 153 no. 2, 433-435 N '63.

BASHKIRIA—HEMORRHAGIC FEVER

Epidemiological data on hemorrhagic fever with the renal syndrome in Bashkiria. V. A. Stygin. Med. paraz. i parazit. bol. 32 no. 5 619 S-O '63.

BASHKIRIA—HUMUS

Effect of farming on the content and composition of humus in the leached deep Chernozem soils of the Bashkirian cis-Ural region and methods of the efficient use of their natural riches [with summary in English]. M. N. Miftakhov, S. N. Taichinov. Pochvovedenie no. 11: 51-62 N '63.

BASHKIRIA—MACHINERY INDUSTRY—COSTS

Accounting for and the distribution of workshop expenditures in machinery manufacturing. V. Spirin. Bukhg. uchet 20 no. 9: 43-44 S '63.

BASHKIRIA—OLD-AGE HOMES

Let's close all cracks. N. Karaseva. Sots. obesp. 24 no. 9: 32-34 S '63.

BASHKIRIA—RESTAURANTS, LUNCHROOMS, ETC.

Culinary councils of Bashkiria. I. Milekhin. Obshchestv. pit. no. 8: 17-18 Ag '63.

BASHKIRIA—RURAL CONDITIONS

Make ready for a campaign! I. Ilatovskaia. Smena 10 no. 17 2-3 S '63.

BASHKIRIA—SILVERSMITHING

A silver pitcher from Bashkiria. R. B. Akhmerov. Sov. arkheol. 7 no. 4: 152-157 '63.

BASHKIRIA—STATE FARMS—MANAGEMENT

Principle of material self-interest is an important means for developing state farm production. M. Kh. Khakimov. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 6 38-49 N-D '63.

BASKETBALL

The coach is the chief constructor of sports. A. Ryss. Smena 40 no. 12: 24-25 Je '63.

BAT', IZRAIL' L'VOVICH, d. 1962

Izrail' L'vovich Bat', obituary. Masl.-zhir. prom. 28 no. 10 47 O '62.

BATAYSK—SCHOOL SUPERVISION

First steps of progressive schools. S. Mel'nikov. Nar. obr. no. 12 24-25 D '63.

BATHS, MEDICATED

Your own "Matseeta." Tymofii Prylypko. Ukraina no. 17: 20 S '62.

BATS see subdivision under Voronezh Preserve

BATTERIES, SOLAR see Solar batteries

BAUXITE see subdivision under Turgay Gates, Ural Mountains

BAVLY—OIL FIELDS

Experiment of Bavly. Vokrug sveta no. 11: 6-7 N '63.

BAYDARATA BAY—DIORITE

Find of diorites and syenite-diorites outcropping Permian sediments in the Yugor coastal area of Baydarata Bay. V. B. Preobrazhenskaia, O. P. Ushakov. Inform. sbor. NIIGA no. 32: 5-8 '62.

BAYDARATA BAY—SYENITE

Find of diorites and syenite-diorites outcropping Permian sediments in the Yugor coastal area of Baydarata Bay. V. B. Preobrazhenskaia, O. P. Ushakov. Inform. sbor. NIIGA no. 32: 5-8 '62.

BAYRAMALI (TURKMENISTAN)—METEOROLOGY

Some characteristics of the astroclimate of the Bayram-Ali region of Turkmen S.S.R. IU. L. Trittse, G. A. Nasyrov. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1: 101-103 '62.

BAZHENOVO (SVERDLOVSK PROVINCE)—ASBESTOS MINES AND MINING

Studying the establishment of norms of developed reserves for the open pit mining of Bazhenovo asbestos deposits. F. P. Sofronov. Trudy NIIasbest no. 2, 30-60 '62.

BEAMS AND GIRDERS

Calculating grillage beams for panel-type buildings. S. V. Timofeev. Osn., fund. i mekh. grun. 5 no. 6: 19-23 '63.

"Design of an infinite composite beam on an elastic foundation." B. G. Bradul-Kirillov. Nauch. trudy KHIIT no. 58: 97-108 '62.

Economic comparison of a reinforced concrete bridge road with a standard road on wooden beams. A. D. Sergievskii. Sbor. trud. NII mostov no. 7: 58-65 '62.

Efficiency of building overhead beam structures for pipeline crossings over natural impediments. S. I. Bakshseeva. Trudy VNIIST no. 14: 124-130 '62.

Experimental investigation of stresses in H-beams subjected to elastoplastic bending with torsion. O. I. Strel'bytska, H. I. IEvsieienko. Prykl. mekh. 9 no. 6, 627-637 '63.

Experimental spans with vertically stressed hoops. L. I. Isoilevskii, V. P. Chirkov. Transp. stroi. 13 no. 9: 54-57 S '63.

Kiselev, V. A. [Theory of external and internal forces in a bar] Teoriia vneshnikh i vnutrennikh sil brusa. [IAroslavl'] Rosvuzizdat, 1963. 66 p.

Manufacture of standard prestressed beams with an 18m span and electrothermally stressed reinforcement. F. Nikoliuk, IU. Naumov, I. IAnkiv. Prom. stroi. i inzh. soor. 5 no. 5: 41-44 S-O '63.

Standardization of prestressed bridge beams. B. E. Dvorkin. Transp. stroi. 13 no. 9: 15-18 S '63.

Strengthening beams with a 9m span. S. Peniakov. Prom. stroi. i inzh. soor. 5 no. 5: 44-46 S-O '63.

Study of a bridge road on wooden cross beams. D. I. Vasil'ev, A. M. Nemzer. Sbor. trud. NII mostov. no. 7: 26-57 '62.

Testing high-capacity crossbeams. I. F. Kulikov. Sbor. Novo-Kram. mashinostroi. zav. no. 1: 152-160 '50.

Vibrations of a beam on an elastic foundation with one-sided connections. A. P. Sinitsyn. Stroi. mekh. i rasch. soor. 4 no. 1: 19-25 '62.

BEAMS AND GIRDERS—VIBRATION

Natural vibrations of a cantilever beam [illegible] coinciding rigidity axes and mass [illegible] bimov. Inzh. zhur. 3 no. 4: 675-681 [illegible].

BEARING METALS

Modern wear-resistant bearing materials. M. [illegible] noshchekov. Mashinostroenie no. 6: 99-104 [illegible].

BEARING METALS—TESTING

Overall testing of bearing materials in case of [illegible] friction. I. S. Edigarian. Mashinostroenie [illegible] S-O '63.

BEARINGS (MACHINERY)

Kiuzov, I. P. [Improved assembly of bearing [illegible] Usovershenstvovaniia v tekhnologii sborki podshipnikovykh uzlov. Izd 2. Moskva, Mashgiz, 1961. 80 p. (Biblioteka slesaria-montazhnika, no. 6)

BEARINGS (MACHINERY)—TESTING

Comparative evaluation of the performance of [illegible] ments of drill-bit bearings. M. A. Ismailov, [illegible] prog. 3 no. 7: 25-26 Jl '63.

Testing of aluminum alloy bearings for diesel [illegible] tive engines. N. A. Bushe and others. Vest. mash. 43 no. 7: 39-41 '63.

Wear of the bearings of milling drill bits. A. [illegible] zade, T. R. Mamedov. Za tekh. prog. 3 no. 7: [illegible] '63.

BEARS IN ART

Zoomorphic knive haft from the ancient site of [illegible] Kashirskoye. V. I. Gulliaev. Kratk. soob. In-t [illegible] no. 94: 101-104 '63.

BEAUTY, PERSONAL

Useful advice. Rab. i stial. 39 no. 10: 30 O '63.

BEAVERS see subdivision under Vologda Province

BECHER, JOHANNES ROBERT, 1891-1958

Legacy of a poet and revolutionary. T. Motyle[illegible] munist 40 no. 16: 123-127 N '63.

BECKMANN REARRANGEMENT

Kinetics and mechanism of the Beckmann [illegible] of cyclododecanone oxime in a sulfuric [illegible] M. I. Vinnik, N. G. Zarakhani. Dokl. Ak[illegible] no. 5: 1147-1150 O '63.

BEECH see subdivision under Carpathian Mountain region

BEEF CATTLE—FEEDING AND FEEDS [illegible] under Zhirnovsk District

BEES

Substance regulating the swarming of bees. [illegible] skii. Priroda 52 no. 10: 117 '63.

BEETS, SUGAR see Sugar beets

BEGOVAT—STEEL INDUSTRY—TECHNOLOGICAL [illegible] NOVATIONS

Efficiency experts deserve assistance and [illegible] midov. Part. zhizn' [Uzb.] 6 no. 6: 77-[illegible]

BEHAVIORISM (PSYCHOLOGY)

Forms of human behavior. D. N. Uznadze. [illegible] po psikhol. ust. 2: 7-36 '63.

BELAYA RIVER (BASHKIRIA)—PETROLEUM [illegible] PORTATION

Efficiency of petroleum transportation on the [illegible] River. A. Malyshkin. Rech. transp. 22 [illegible] '63.

BELGIUM—ECONOMIC CONDITIONS

Pankov, IU. N. [Present-day Belgium] Sovremennaia Bel'giia. Moskva, Gospolitizdat, 1963. 85 p.

BELGIUM—POLITICS AND GOVERNMENT

Pankov, IU. N. [Present-day Belgium] Sovremennaia Bel'giia. Moskva, Gospolitizdat, 1963. 85 p.

BELGOROD—RESTAURANT MANAGEMENT—AUTHORITIES AND INSPECTION

Operative and efficient. M. Beliaev. Obshchestv. pit. no. 6: 26 Je '63.

BELGOROD PROVINCE—PENSIONS

When there are many assistants. I. Kolomnetskii. Sots. obesp. 24 no. 9: 16-17 S '63.

BELINSKII, VISSARION GRIGOR'EVICH, 1811 [illegible]—HOMES AND HAUNTS

[In V. G. Belinskii's homeland] Na Rodine V. G. [illegible] sbornik. [Penza] Penzenskoe knizhnoe izdatel'stvo [illegible] 84 p.
(MIDW)

BELLS

It is interesting to know. Sov. voin 45 no. 14: [illegible]

BELOYARSK—ATOMIC POWER PLANTS

Light of the peace atom. A. Grigor'ev. Ogonek 46 no. 52: 16-19 D '63.

BELOZERSK DISTRICT—SOCIAL CONDITIONS

In the Belozersk country. E. Makarovskii. Volog. kraĭ no. 3 44-59 '62

BELTS AND BELTING—STANDARDS

Standardization of cast-iron sheaves for V-belts. A. I. Torgovitskii. Standartizatsiia 27 no. 11 20-22 N '63.

BELYNICHI DISTRICT—WOMEN IN PUBLIC LIFE

Beauty of the soviet. V. Pysin, I. Anoshkin. Rab. i sial. 39 no. 10 5 O '63.

BEN ALLA, HADJ, 1923-

Hadj Ben Alla. Ludwig von Moos. Nov. vrem. 21 no. 32-12 D '63.

BENEDIKTSSON, BJARNI, 1908-

Bjarni Benediktsson. Nov. vrem. 21 no. 46 17 N '63.

BENTONITE

Purified maltose molasses. T. A. Ladur. Trudy TSNIIKPP no. 6-39-47 '63.

BENZALDEHYDE

Investigating the hardening of photographic emulsions. Part 4- Hardening with phloroglucinol formaldehyde. V. L. Zelikman. Trudy NIKFI no. 51:64-79 '62.

Spectropolarimetric analysis. Report No. 3- Determination of isomeric nitrobenzaldehydes in their mixtures [With summary in English]. V. M. Potapov, L. I. Lazutina, A. P. Terent'ev. Zhur. anal. khim. 18 no. 8.1003-1006 Ag '63.

BENZENE

Chemiluminescence in slow chemical reactions. Part 3: Chemiluminescent method used for studying the kinetics of hydroperoxide accumulation in the reaction of catalyzed oxidation of ethylbenzene. I. V. Zakharov, V. IA Shliapintokh. Kin. i kat. 4 no. 5:706-712 S-O '63.

Investigation of the copolymerization of acenaphthylene and divinylbenzene. V. P. Li, A. B. Pashkov, N. S. Shamis. Plast. massy no. 11-6-7 '63.

Preparation of high purity cyclohexane from a narrow benzene fraction of crude benzene. I. I. Eru, L. I. Marnich, A. A. Lange. Khim. prom. no. 8 576-579 Ag '63.

BENZENE—TOXICOLOGY

Changes in the blood as a result of chronic poisoning by the fumes of ethylbenzene. S. V. Ivanov. Trudy Vor. med. inst. 47 83-85 '62.

Toxicology of ethylbenzene. S. V. Ivanov. Trudy Vor. med. inst. 47:80-82 '62.

BENZENE DERIVATIVES

Alkylation of m-dichlorobenzene by propylene in the presence of sulfuric acid. IU. G. Mamedaliev, R. S. Alimardanov. Azerb. khim. zhur. no. 3:3-9 '62.

Determination of the heats of combustion and evaporation of benzene derivatives. P. G. Maslov, IU. P. Maslov. Khim. prom. no. 8 591-596 Ag '63.

Formulas for calculating the quantity of theoretically possible isomers of trialkyl benzenes and their derivatives. B. F. Pishnamazzade. Azerb. khim. zhur. no. 3: 27-37 '62.

Kinetics of the vapor-phase dealkylation of polyethyl benzenes over aluminosilicates. A. E. Pinsker. Khim. prom. no. 9.660-662 S '63.

BENZENESULFONIC ACID

Permissible concentration limit of alkyl benzenesulfonates and alkyl sulfonates in water reservoirs. V. F. Garshenin. Masl.-zhir. prom. 29 no. 10:20-23 O '63.

BENZOTHIAZOLE

Cyanine dyes from 2-methyl-5, 6-dioxybenzothiazole. A. I. Kiprianov, G. M. Golubushina. Ukr. khim zhur. 29 no. 11:1173-1179 '63.

BERENDEEV, ALEKSEI VIKTOROVICH, d. 1957

In memory of A. V. Berendeev; on the 5th anniversary of his death. S. I. Kurenev. Izv. LETI no. 47:141-142 '62.

BERG, AKSEL' IVANOVICH, 1893-

A. I. Berg; on his 70th birthday. A. A. Kharkevich and others. Izv. AN SSSR. Tekh. kib. no. 5.3-6 S-O '63.

A. I. Berg; on his 70th birthday. Radiotekhnika 18 no. 11: 78-80 N '63.

Patriot, scientist, public worker. IA. Sorin. NTO 5 no. 11:43-45 N '63.

A scientist's 70th birthday. Radio no. 11:8 N '63.

BERG, LEV SEMENOVICH, 1876-1950

Academician L. S. Berg. K. Otorbaev. Izv. Kir. fil. Geog. ob-va SSSR no. 4.7-8 '63.

Academician L. S. Berg's letters. Izv. Kir. fil. Geog. ob-va SSSR no. 4.15-17 '63.

L. S. Berg and the problem of loess origin. S. A. Kostromin. Izv. Kir. fil. Geog. ob-va SSSR no. 4.45-48 '63.

L. S. Berg as a hydrologist. A. T. Il'iasov. Izv. Kir. fil. Geog. ob-va SSSR no. 4:39-43 '63.

L. S. Berg's papers not included in the bibliography of his work. S. Umurzakov. Izv. Kir. fil. Geog. ob-va SSSR no. 4:16-20 '63.

L. S. Berg's role in the development of landform studies. B. A. Lunin. Izv. Kir. fil. Geog. ob-va SSSR no. 4:21-32 '63.

L. S. Berg's role in the geographical study of Kirghizistan. S. Umurzakov. Izv. Kir. fil. Geog. ob-va SSSR no. 4:49-56 '63.

Recollections about L. S. Berg. F. A. Turdakov. Izv. Kir. fil. Geog. ob-va SSSR no. 4:33-37 '63.

BERGGOL'TS, OL'GA FEDOROVNA, 1910-

Freshness of a view. M. Vasina. Vop. lit. 7 no. 10 189-191 O '63.

BERLIN, BATTLE OF, 1945

Participation of the First Polish Army in the Berlin operation. Je. Bordzilowski. Voen.-ist. zhur. 5 no. 10:15-29 O '63.

BERLINSKII, MAKSIM FEDOROVICH, 1764-1848

First student of the history of Kiev. H. Shovkoplias. Ukraina no. 9-23 My '62.

BERRIES

Wild berries. M. S. Marshak. Zdorov'e 9 no. 10.23 O '63.

BERYL CRYSTALS

Microcrystallomorphologic studies of the dissolving of beryl crystals. V. G. Feklichev. Trudy IMGRE no. 18 85-106 '63.

BERYL CRYSTALS—TESTING

Study of the microhardness of beryl crystals. S. I. Lebedeva. Trudy IMGRE no. 18:107-115 '63.

BERYLLIUM—ANALYSIS

Evaluating the accuracy and correctness of the methods for the determination of germanium and beryllium. L. E. Berenshtein, O. B. Fal'kova. Zav. lab. 29 no. 10: 1217-1219 '63.

Fluorometric determination of small amounts of beryllium. L. L. Galkina, A. L. Markman. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 5: 735-738 '63.

New reagent for beryllium. Zav. lab. 29 no. 11.1401 '63.

BERYLLIUM—TOXICOLOGY

Case of poisoning by beryllium. P. A. Voitovich, V. A. Tatarenko. Sud.-med. ekspert. 6 no. 1:45-47 O-D '63.

Clinical aspects of pneumosclerosis of mixed etiology (beryllosis and silicosis) [with summary in English]. I. P. Krapukhina, T. A. Kochetkova, A. A. Orlova. Gig. truda i prof. zab. 7 no. 1 41-14 Ja '63.

BERYLLIUM ISOTOPES

Isolation of the radioactive Be^7 isotope from cyclotron targets. I. F. Kolesova, I. V. Kolosov. Atom. energ. 15 no. 5:422-423 N '63.

BERYLLIUM OXIDES

Zhezherun, I. F., and A. A. Chernyshov. [Temperature effect on thermal neutron scattering by sintered beryllium oxide] Vliianie temperatury na rasseianie teplovykh neitronov spechennoi okis'iu berilliia. Moskva, In-t atomnoi energii imeni I. V. Kurchatova, 1960. 13 p.

Zhezherun, I. F., and others. [Measuring the moderation length of fission neutrons in sintered beryllium oxide up to an energy of 1.44 ev. (resonance of indium)] Izmerenie dliny zamedleniia neitronov delenia v spechennoi okisi berillia do energii 1,44 ev (rezonans indiia). Moskva, Int- atomnoi energii im. I. V. Kurchatova, 1960. 22 p.

Zhezherun, I. F., I. P. Sadikov, and A. A. Chernyshov. [Measuring the moderation length of fission neutrons up to an energy of 0, 3 ev. in sinterde beryllium oxide] Izmerenie dliny zamedleniia neitronov delenia do energii 0, 3 ev, v spechennoi okisi berillia. Moskva, In-t atomnoi energii AN SSSR, 1960. 17 p.

BESHKAPA VALLEY—MOUNDS

Post-Kushan burials in northern Bactria. A. M. Mandel'shtam. Krat. soob. inst. arkheol. no. 94:88-93 '63.

BESSEMER PROCESS

Preventing metal and slag ejections from converters. M. M. Zin'kovskii. Metallurg 8 no. 10.18 O '63.

Stages in the development of world converter practices. V. B. IAkovlev. Metallurg 8 no. 10:38-39 O '63.

BET-PAK-DALA—PASTURES AND MEADOWS

Method of efficient utilization of low-yielding water-bearing beds in the desert as exemplified by the pastures in Bet-Pak-Dala and the desert of Sary-Arka. F. G. Gerr. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9: 69-74 S '63.

BETA RAYS

Theoretical evaluation of the possibilities of the beta-introscopy method. A. M. IAkobson, F. N. Novitskii. Zav. lab. 29 no. 10:1194-1198 '63.

BETATRON

Effect of an inhomogeneity in a magnetic field on the capture of electrons for acceleration in a betatron. O. V. Sokolov. Izv. vys. ucheb. zav., fiz. no. 3.98-102 '63.

Generation of short radiation pulses in a betatron with a wide gap. V. A. Moskalev, IU. A. Otrubiannikov. Prib. i tekh. eksp. 8 no. 5 26-29 S-O '63.

System for exact regulation and stabilization of the electron energy in a betatron. N. N. Balamatov, B. A. IUr'ev. Prib. i tekh. eksp. 8 no. 1 24-27 Ja-F '63.

BEZVERSHENKO, STRATON EVSEEVICH, 1915-1961

Straton Evseevich Bezvershenko, an obituary. Mat. po fen. no. 2:19-20 '61

BIBLIOGRAPHY

[Book chronicle] Knizh. let. nos 48-49 '62. Dopolnitel'nyi vypusk. Vspomogatel'nye ukazateli k nos. 7-9 za 1963 god.

Books written by journalists. Sov. pech. no. 11:44 N '63.

Brief book reviews. Nov. mir 38 no 6:280-285 Je '62.

"Comprehensive catalog." A. Kokorev. Vop. lit. 7 no. 10 220-221 O '63.

Criticism and bibliography. A. V. Mikhailov, V. M. Gershman, E. M. Braverman. Fiz. v shkole 23 no. 3:104-109 My-Je '63.

[Information index of bibliographical lists and card files] Inform. ukaz. bibl. spis. i kart. 7 nos. 14-17 Jl-S '63.

New books. Nov. mir 38 no 6:286-288 Je '62.

[New books; bibliographical weekly] Nov. knigi, bibl. ezhened. 8 nos. 49-50 D '63; 9 nos. 1-2 Ja '64.

[New books of the U. S. S. R.] Nov. knigi SSSR nos. 49, 51 D '63.

Recommended literature for political lecturers, propagandists, and the students of political schools. Komm. Mold. 8 no. 9 80 S '63.

BIBLIOGRAPHY—ACADEMY OF SCIENCES OF THE UZBEK S. S. R.

Akademiia nauk Uzbekskoi SSR, Tashkent. Fundamental'naia biblioteka. [Bibliography of the publications of the Academy of Sciences of the Uzbek S. S. R.; books and articles published from 1958 to 1960] Bibliografiia izdanii Akademii nauk Uzbekskoi SSR, knigi i stat'i za 1958-1960 gg. Tashkent, Izd-vo Akad. nauk UzSSR, *1963. 309 p.*

BIBLIOGRAPHY—ACCOUNTING

New books. Bukhg. uchet 20 no. 5:77 My '63.

New books. Bukhg. uchet 20 no. 9.75-76 S '63.

BIBLIOGRAPHY—AESTHETICS

Apresian, Z. G. [Aesthetics; a bibliography, 1956-1960] Estetika, bibliografiia, 1956-1960. Moskva, Vsesoiuznoe teatral'noe ob-vo, 1963. 259 p.

BIBLIOGRAPHY—AFRICA

Africa Day. Kal. znam. i pam. dat 8 no. 12:15-20 D '63.

BIBLIOGRAPHY—AGRICULTURAL CHEMISTRY

Chemistry for agriculture. O. Levshina. Bibliotekar' no. 11:19-21 N '63.

BIBLIOGRAPHY—AGRICULTURAL MACHINERY

So that the machinery will work better. IU. Shcheglov. V mire knig 3 no. 10.19 O '63.

BIBLIOGRAPHY—AGRICULTURE

Firstling of agricultural literature. R. Tumanovskii. V mire knig 3 no. 9:22 S '63.

[New foreign books. Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V: Biol., med., sel'. khoz. 7 no. 11 N '63.

There will be rich harvests. I. Zaitsev. V mire knig 3 no. 10.8-9 O '63.

BIBLIOGRAPHY—AGRICULTURE—FINANCE

New books. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10-64 O '63.

BIBLIOGRAPHY—ANTARCTIC REGIONS

Bibliography. Inform. biul. Sov. antark. eksp. no. 42: 66-67 '63.

BIBLIOGRAPHY—ART

[Literature and art of the peoples of the U. S. S. R. and foreign countries] Lit. i isk. nar. SSSR i zarub. stran. no. 6 '63.

BIBLIOGRAPHY—ASTRONAUTICS

Seventeen cosmic dawns. V. Firsov. Kul't. i zhizn' 7 no. 11-42 '63.

BIBLIOGRAPHY—ASTRONOMY

New books on astronomy. Astron. zhur. 40 no. 6:1136-1137 N-D '63.

BIBLIOGRAPHY—ASTROPHYSICS

Annotations of articles published in the periodical "Radiofizika" in vol. 4, nos. 1, 2 and 3, 1963. Astron. zhur. 40 no. 6:1135 N-D '63.

BIBLIOGRAPHY—ATOMIC ENERGY

New literature. Atom. energ. 15 no. 5:414-116 N '63.

BIBLIOGRAPHY—AUTOMATION

Automation is a road to communism. V. Bitunov, M. Eliseev. V mire knig 3 no. 9:17-18 S '63.

From foreign periodicals. Mekh. i avtom. proizv. 17 no. 10:62-64 O '63.

From Soviet periodicals. Mekh. i avtom. proizv. 17 no. 10:60-62 O '63.

New books. Mekh. i avtom. proizv. 17 no. 10:58-59 O '63.

BIBLIOGRAPHY—BIOGRAPHY

Fine traditions. V mire knig 3 no. 10:4-5 O '63.

BIBLIOGRAPHY—BIOLOGY

[New foreign books. Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V: Biol., med., sel'. khoz. 7 no. 11 N '63.

Publications of the Department of Chemical and Biological Sciences of the Academy of Sciences of the Latvian S.S.R. [in Latvian and Russian]. E. Peile. Izv. AN Latv. SSR no. 9:133-135 '63.

BIBLIOGRAPHY—CHEMICAL ELEMENTS

Moscow. Publichnaia biblioteka. [New chemical elements, a recommended bibliographic survey] Novye khimicheskie elementy; rekomendatel'nyi obzor literatury. Moskva, 1963. 14 p. (Novoe v nauke i tekhnike, no. 4)

BIBLIOGRAPHY—CHEMISTRY

Books published by the State Scientific and Technical Publishing House of Chemical Literature. Khim. prom. no. 8:635 Ag '63.

Publications of the Department of Chemical and Biological Sciences of the Academy of Sciences of the Latvian S.S.R. [in Latvian and Russian]. E. Peile. Izv. AN Latv. SSR no. 9:133-135 '63.

BIBLIOGRAPHY—COLD WELDING

Pressure welding of aluminum with steel, publications review. V. R. Riabov. Avtom. svar. 16 no. 10:47-53 O '63.

BIBLIOGRAPHY—COMMUNISM

No compromise in ideology! V mire knig 3 no. 10:2 of cover-1 O '63.

BIBLIOGRAPHY—COMMUNIST EDUCATION

Bookshelf. Prep. ist. v shkole 16 no. 6:109-112 N-D '63.

BIBLIOGRAPHY—COMMUNIST ETHICS

Thoughts on man. A. Mogilev. V mire knig 3 no. 9:4-5 S '63.

BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION

For the party activist group. V. Popov. Part. zhizn' no. 23:71-73 D '63.

BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES

The 21st Congress of the Communist Party of the Soviet Union. Kal. znam. i pam. dat 8 no. 12:14-47 D '63.

BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET

'2:74 N '63.

es in labor] V trude - va, Sovetskaia Rossiia, nmoshch sel'skomu

BIBLIOGRAPHY—COMMUNIST YOUTH LEAGUE

Published by "Molodaia gvardiia." E. Martinskii. Komsom. zhizn' no. 20:18-20 O '63.

BIBLIOGRAPHY—CONSTRUCTION INDUSTRY

In the last issues of foreign magazines. Transp. stroi. 13 no. 9:79 S '63.

New books. Stil', bud. 12 no. 1:24 Ja '62.

BIBLIOGRAPHY—CUBA

Republic of Cuba. Kal. znam. i pam. dat 8 no. 12:48-52 D '63.

BIBLIOGRAPHY—DECEMBRISTS

In the depth of Siberian mines.... A. Gessen. V mire knig 3 no. 11:36-37 N '63.

BIBLIOGRAPHY—DERMATOLOGY

Annotations on doctoral and candidate dissertations on dermatology and related sciences defended in 1961. T. V. Vasil'ev. Vest. derm. i ven. 37 no. 7:80-86 Jl '63.

BIBLIOGRAPHY—DIALECTICAL MATERIALISM

New Soviet publications in the field of philosophy. Nauch. dokl. vys. shkoly; filos. nauki 6 no. 4:135-140 '63.

BIBLIOGRAPHY—DON VALLEY

Rostov-on-Don. Gosudarstvennaia nauchnaia biblioteka imeni K. Marksa. [History of the Don Valley; a bibliography of Soviet literature published from 1920 to 1961] Istoriia Dona; ukazatel' sovetskoi literatury 1920-1961 gg. Rostov-na-Donu, 1962. 309 p.

BIBLIOGRAPHY—ECONOMICS

Books published by the Institute of Labor in the first half of 1963. Sots. trud 8 no. 10:158-159 O '63.

New books, collections of articles, journals. Vop. ekon. no. 10:108-110 O '63.

[New foreign books on the social sciences, economics, philosophy, history, international relations] Nov knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. 6 no. 12 D '63.

BIBLIOGRAPHY—EDUCATION

Among the new publications of pedagogical literature. E. Lebedeva. Nar. obr. no. 9:111-118 S '63.

Among the new publications of pedagogical literature. E. Lebedeva. Nar. obr. no. 12:117-121 D '63.

Bookshelf. Nar. obr. no. 9:115-116 S '63.

Bookshelf. Nar. obr. no. 12:119, 125 D '63.

The law to strengthen the bond between school and life and to develop further the system of public education. Kal. znam. i pam. dat 8 no. 12:34-40 D '63.

New books published by the Academy of Pedagogical Sciences of the R.S.F.S.R. Sov. pedag. 27 no. 10:140-148 O '63.

BIBLIOGRAPHY—ELECTRIC ENGINEERING

Defense of dissertations in the M. I. Kalinin Polytechnical Institute in Leningrad. V. S. Smirnov. Izv. vys. ucheb. zav., radiotekh. 6 no. 5:579-581 S-O '63.

BIBLIOGRAPHY—ELECTRICITY IN MINING

Savel'ev, G. P. [Mines signaling; annotated bibliography of publications up to 1958 inclusive] Ruchnichnaia signalizatsiia; annotirovannyi bibliograficheskii ukazatel' literatury po 1958 g. vkliuchitel'no. Moskva, Institut gornogo dela, 1963. 130 p.

BIBLIOGRAPHY—ELECTROMAGNETIC WAVES—PHYSIOLOGICAL EFFECT

Bibliography. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:128-132 '60.

BIBLIOGRAPHY—ELECTRONICS

New books. Radiotekhnika 18 no. 10:3 of cover O '63.

BIBLIOGRAPHY—ELUARD, PAUL, 1895-1952

Moscow. Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury. [Paul Eluard, a bibliography] Pol' Eliar; bibliobibliograficheskii ukazatel'. Moskva, Otdel izdanii BGBIL, 1963. 118 p. (Pisateli zarubezhnykh stran)

BIBLIOGRAPHY—EROSION

Alma-Ata. TSentral'naia nauchnaia sel'skokhoziaistvennaia biblioteka. [Soil erosion and measures for its control, bibliographical index of literature] Erozita pochv i mery bor'by s neiu, bibliograficheskii ukazatel' literatury. Alma-Ata, 1959. 59 p.

BIBLIOGRAPHY—FORESTS AND FORESTRY

Book reviews and bibliography. Les. khoz. 16 no. 9:78-80 S '63.

BIBLIOGRAPHY—FOUNDATIONS

Reviews and bibliography. V. V. Dokuchaev. Osn., fund. i mekh. grun. 5 no. 6:28-30 '63.

BIBLIOGRAPHY—FOUNDING

New books on founding. Lit. proizv. no. 10:46 O '63.

BIBLIOGRAPHY—GAIDAR, ARKADII PETROVICH, 1904-1941

A. P. Gaidar. Kal. znam. i pam. dat 8 no. 12:50-62 D '63.

BIBLIOGRAPHY—GEOGRAPHY

Geography in university and pedagogical institute publications for 1960; continuation. N. T. Urusova. Geog. i khoz. no. 12:94-99 '63.

BIBLIOGRAPHY—GEOLOGY

Literature on geology received by the library of the Department of Geological and Geographical Sciences of the Academy of Sciences of the U.S.S.R. in April, 1963. Izv. AN SSSR, Ser. geol. 28 no. 7:98-108 Jl '63.

BIBLIOGRAPHY—HEPATITIS, INFECTIOUS

Review of "Infectious hepatitis." IA. IU. Liuberskii. Vrach. delo no. 11:154-155 N '63.

BIBLIOGRAPHY—HISTORY

Bookshelf. Prep. ist. v shkole 16 no. 6:109-112 N-D '63.

Foreign reviews of Soviet historical studies. Vop. ist. 38 no. 11:194-196 N '63.

Foreign reviews of Soviet historical studies. Vop. ist. 38 no. 12:190-191 D '63.

Historical articles in periodicals published in socialist countries. Vop. ist. 38 no. 11:173-175 N '63.

Historical articles in periodicals published in socialist countries. Vop. ist. 38 no. 12:171 D '63.

Historical articles in Soviet periodicals. Vop. ist. 38 no. 11:139-144 N '63.

Historical articles published in Soviet periodicals. Vop. ist. 38 no. 12:145-147 D '63.

New books. Vop. ist. 38 no. 11:137-139 N '63.

New books. Vop. ist. 38 no. 12:113-115 D '63.

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. 6 no. 12 D '63.

BIBLIOGRAPHY—INDUSTRIAL MANAGEMENT

Moscow. Publichnaia biblioteka. [Mathematics and technical progress, a recommended bibliographic survey] Matematika i tekhnicheskii progress, rekomendatel'nyi obzor literatury. Moskva, 1963. 16 p. (Novoe v nauke i tekhnike, no. 3)

BIBLIOGRAPHY—INDUSTRY

New books and information materials received by the scientific and technical library of the Economic Council of the Armenian S.S.R. Prom. Arm. no. 8:82-83 S '63.

BIBLIOGRAPHY—INSTRUMENTS

New books. Priborostroenie no. 11 of cover N '63.

BIBLIOGRAPHY—INTERNATIONAL RELATIONS

[New foreign books on the social sciences, economics, philosophy, history, international relations] Nov knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. 6 no. 12 D '63.

BIBLIOGRAPHY—INVENTIONS

Ten steps of progress. S. Vladimirov. V mire knig 3 no. 9:19 S '63.

BIBLIOGRAPHY—KURDS

Akademiia nauk SSSR. Institut narodov Azii. [Bibliography of Kurdish studies] Bibliografiia po kurdovedeniiu. Moskva, Izd-vo vostochnoi lit-ry, 1963. 193 p.

BIBLIOGRAPHY—LENIN, VLADIMIR IL'ICH, 1870-1924

Lenin and Siberia. V. Kulikov. V mire knig 3 no. 11:2-3 N '63.

BIBLIOGRAPHY—LENINGRAD—LIBRARIES

The Saltykov-Shchedrin Library. Kal. znam. i pam. dat 8 no. 12:56-58 D '63.

BIBLIOGRAPHY—LITERATURE

[Literature and art of the peoples of the U.S.S.R. and foreign countries] Lit. i isk. nar. SSSR i zarub. stran no. 6 '63.

BIBLIOGRAPHY—LITERATURE—HISTORY AND CRITICISM

[New foreign literature on the study of literature] Nov. inostr. lit. po lit. no. 10 '63.

BIBLIOGRAPHY—LITHUANIAN LANGUAGE

Lietuvos TSR Mokslu akademija, Vilna. Centrine biblioteka. [Lithuanian linguistics, 1944-1960, a bibliographic index] Lietuviu kalbotyra, 1944-1960, [bibliografine rodykle]. Vilnius, Lietuvos ir [illegible] leidykla, 1963. 279 p. [In Lithuanian]

BIBLIOGRAPHY—LUNGS—DUST DISEASES

Bibliographic index of literature on the prophylaxis of pneumoconiosis in miners of Siberia. Vop. [illegible] v Sib. no. 1:129-132 '61.

BIBLIOGRAPHY—MACHINE TOOLS

Books. Stan. i instr. 34 no. 11:43-44 N '63.

Dissertations. Stan. i instr. 34 no. 11:44 N '63.

Periodicals. Stan. i instr. 34 no. 11:46 N '63.

BIBLIOGRAPHY—MACHINERY INDUSTRY

From foreign periodicals. Mekh. i avtom. proizv. 17 no. 10:62-64 O '63.

From Soviet periodicals. Mekh. i avtom. proizv. 17 no. 10:60-62 O '63.

New books. Mekh. i avtom. proizv. 17 no. 10:58-59 O '63.

BIBLIOGRAPHY—MATHEMATICS

Index of A. N. Kolmogorov's works published in 1951-1963. Usp. mat. nauk. 18 no. 5:121-123 S-O '63.

Moscow. Publichnaia biblioteka. [Mathematics and technical progress, a recommended bibliographic survey] Matematika i tekhnicheskii progress, rekomendatel'nyi obzor literatury. Moskva, 1963. 16 p. (Novoe v nauke i tekhnike, no. 3)

New books on mathematics. L. P. Kalinina. Uspekhi nauk. 18 no. 5:233-236 S-O '63.

BIBLIOGRAPHY—MEDICAL JURISPRUDENCE

Dissertations on problems of medical jurisprudence for 1950-1962. V. G. Naumenko. Sud.-med. ekspert. 6 no. 4:64-66 O-D '63.

BIBLIOGRAPHY—MEDICINE

Bibliography. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:128-132 '60.

Doctor dissertations approved by the High Committee for Certification in December 1961. A. V. Vyshnevskii. Terap. arkh. 35 no. 5:106-108 My '63.

New books. Fel'd. i akush. 28 no. 8:56 Ag '63.

New books. Ortop., travm. i protez. 24 no. 6:66 Je '63.

BIBLIOGRAPHY—MEDICINE (Continued)

[New foreign books. Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V: Biol., med., sel'. khoz. 7 no. 11 N '63.

BIBLIOGRAPHY—MEDICINE, POPULAR

Review of scientific popular literature for 1962-1963. G. F. Popova. Sov. zdrav. 22 no. 7 82-85 '63.

BIBLIOGRAPHY—NEVEL'SKOI, GENNADII IVANOVICH, 1813-1876

G. I. Nevel'skoi. Kal. znam. i pam. dat 8 no. 12:27-29 D '63.

BIBLIOGRAPHY—OGAREV, NIKOLAI PLATONOVICH, 1813-1877

N. P. Ogarev. Kal. znam. i pam. dat 8 no. 12:30-33 D '63.

BIBLIOGRAPHY—ONCOLOGY

Bibliography of the works of staff members of the Institute of Oncology of the Academy of Medical Sciences of the U.S.S.R. for 1958. M. D. Kaufman. Trudy Inst. onk. AMN SSSR. no. 3:266-271 '60.

BIBLIOGRAPHY—ORTHOPEDIA

Works presented at the conference but not included in the collection. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15, 365 '60.

BIBLIOGRAPHY—PARASITOLOGY

Soviet literature on the problems of medical parasitology and parasitic diseases published in 1963. N. N. Dukhanina. Med. parazit. i parazit. bol. 32 no. 5:625-632 S-O '63.

BIBLIOGRAPHY—PAVLYK, MYKHAILO IVANOVYCH, 1853-1915

M. I. Pavlyk; materials for the bibliography of his works. S. V. Sorokovs'ka. Rad. lit. 7 no. 6:141-145 N-D '63.

BIBLIOGRAPHY—PEAT

Bibliography. Torf. prom. 40 no. 7:40 '63.

BIBLIOGRAPHY—PERIODICALS

[Chronicle of periodical publications of the U. S. S. R.] Lit. period. izd. SSSR. Ja '01-Ap '63.

BIBLIOGRAPHY—PHENOLOGY

Phenological literature published and under preparation. Mat. po fen. no. 2:39-41 '61.

BIBLIOGRAPHY—PHILOSOPHY

Akademiia nauk SSSR. Fundamental'naia biblioteka obshchestvennykh nauk. [History of pre-Marxist philosophy in foreign countries; bibliography of Soviet studies published in Russian in 1917-1962] Istoriia zarubezhnoi domarksistskoi filosofii, bibliografiia literatury, vyshedshei v SSSR na russkom iazyke za 1917-1962 gody. Sost. L. I. Serebriannia. Pod red. M. N. Davydova. Moskva, 1963. 207 p.

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. 6 no. 12 D '63.

New Soviet publications in the field of philosophy. Nauch. dokl. vys. shkoly; filos. nauki 6 no. 4:135-140 '63.

BIBLIOGRAPHY—PHYSICS

New books on physics. T. O. Vreden-Kobetskaia. Usp. fiz. nauk 81 no. 1:211-214 S '63.

BIBLIOGRAPHY—POLAR REGIONS—GEOLOGY

New literature on the geology and minerals of the Arctic and Antarctic regions. Inform. sbor. NIIGA no. 31:84-96 '62.

New literature on the geology and minerals of the Arctic and Antarctic regions. Inform. sbor. NIIGA no. 32:87-91 '62.

BIBLIOGRAPHY—PROPAGANDA

Impassioned word. B. Zav'ialov. V mire knig 3 no. 9:6-7 S '63.

BIBLIOGRAPHY—RADIO

New books. Radiotekhnika 18 no. 10:3 of cover O '63.

Transactions of communication institutes. M. K. Belkin. Izv. vys. ucheb. zav.; radiotekh. 6 no. 5:582-583 S-O '63.

BIBLIOGRAPHY—RADIOLOGY

Annotations on published books on roentgenology. L. S. Rozenshtraukh. Vest. rent. i rad. 38 no. 5:70-77 S-O '63.

BIBLIOGRAPHY—RAILROADS

New books. Vest. TSNII MPS 22 no. 7:3 of cover '63.

BIBLIOGRAPHY—RAILROADS—TRACK

New books for track maintenance workers. Put' i put. khoz. 7 no. 11:48 '63.

BIBLIOGRAPHY—RARE BOOKS

Inculcate a liking for study. A. Chernlak. V mire knig 3 no. 10:12-13 O '63.

BIBLIOGRAPHY—RESTAURANTS, LUNCHROOMS, ETC.—EQUIPMENT AND SUPPLIES

New projects, uniform prices, better collectives. N. Marinina. Obshchestv. pit. no. 12:43-44 D '61.

BIBLIOGRAPHY—ROAD MACHINERY

New reference manual. E. I. Nemirovskii. Stroi. i dor. mash. 8 no. 11:38-39 N '63

BIBLIOGRAPHY—ROLLING (METALWORK)

New books. Metallurg 8 no. 10:39-40 O '63.

BIBLIOGRAPHY—RUMANIA

[New literature on Rumania] Nov. lit. po Rum. nos. 8-9 '63.

BIBLIOGRAPHY—RUSSIA

Years of great accomplishments. Kal. znam. i pam. dat 8 no. 12:6-14 D '63.

BIBLIOGRAPHY—RUSSIA—CONSTITUTION

Soviet Constitution Day. Kal. znam. i pam. dat 8 no. 12:21-26 D '63.

BIBLIOGRAPHY—RUSSIA—LITERATURES

Moscow. Publichnaia biblioteka. [Soviet literature, 1962; a recommended reading list] Sovetskaia literatura, 1962, rekomendatel'nyi ukazatel'. Moskva, 1963. 123 p. (Novinki khudozhestvennoi literatury)

BIBLIOGRAPHY—RUSSIA—RELATIONS (GENERAL) WITH KAZAKHSTAN

Sources of a great friendship. K. Beisembiev. Part. zhizn' Kazakh. 33 no. 11:75-79 N '63.

BIBLIOGRAPHY—RUSSIA—REVOLUTION, 1917-1921

Pages of history. A. Mogilev. V mire knig 3 no. 10:2-3 O '63.

BIBLIOGRAPHY—RUSSIAN LITERATURE

Moscow. Publichnaia biblioteka. [Russian writers of the second half of the 19th and beginning of the 20th century (to 1917), a recommended list] Russkie pisateli vtoroi poloviny XIX — nachala XX vv (do 1917 goda), rekomendatel'nyi ukazatel' literatury. Moskva.
Pt. 3. 1963. 488 p.

Triumph of a genre. P. Nikolaev. V mire knig 3 no. 9:34 S '63.

BIBLIOGRAPHY—SHIPBUILDING

Bibliography. Sudostroenie 29 no. 10:17, 45, 54, 61, 70, 76 O '63.

Bibliography. Sudostroenie 29 no. 11:17, 20, 31, 39, 42, 52, 54, 67 N '63.

BIBLIOGRAPHY—SIBERIA

Books about the peoples of Siberia. V mire knig 3 no. 11:30-31 N '63.

Continuation of a great work. B. Zav'ialov. V mire knig 3 no. 11:10-11 N '63.

Discovery of Siberia. I. Pervakov. V mire knig 3 no. 11:4-6 N '63.

From Khakass steppes to Norilsk. A. Glukhov, B. Entin. V mire knig 3 no. 11, 38-41 N '63.

Literary Siberia. G. Mariagin. V mire knig 3 no. 11:21-23 N '63.

New stories of the Siberian land. V. Khokhlov. V mire knig 3 no. 11:14-15 N '63.

The steamer sails on the Yenisey. I. Lavrinovich. V mire knig 3 no. 11:32-33 N '63.

Territory of fantastic riches. G. Pospelov. V mire knig 3 no. 11:7-8 N '63.

BIBLIOGRAPHY—SIBERIA—MINE DUSTS

Bibliographic index of literature on the prophylaxis of pneumoconiosis in miners of Siberia. Vop. bor'b. s sil. v Sib. no. 1:123-132 '61.

BIBLIOGRAPHY—SIGNALS AND SIGNALING

Savel'ev, G. P. [Mines signaling; annotated bibliography of publications up to 1958 inclusive] Rudnichnaia signalizatsiia; annotirovannyi bibliograficheskii ukazatel' literatury po 1958 g. vkliuchitel'no. Moskva, Institut gornogo dela, 1963. 130 p.

BIBLIOGRAPHY—SOILS

Bibliography. Pochvovedenie no. 10:106-117 O '63.

Bibliography. Pochvovedenie no. 11:114-124 N '63.

BIBLIOGRAPHY—STEKLOV, VLADIMIR ANDREEVICH, 1864-1926

V. A. Steklov. Kal. znam. i pam. dat 8 no. 12:53-55 D '63.

BIBLIOGRAPHY—STRUCTURES, THEORY OF

New books of the State Construction Publishing House. Stroi. mekh. i rasch. soor. 4 no. 1:3 of cover '62

BIBLIOGRAPHY—SURGERY

Prospects in publishing surgical literature. G. E. Ostroverkhov, L. S. Ostrovskaia. Khirurgiia 39 no. 7:138-143 Jl '63.

BIBLIOGRAPHY—TECHNOLOGY

Labor brings the bright future nearer. V. Ermilov. V mire knig 3 no. 10:15-17 O '63.

[New foreign books. Series B Technology] Nov. knigi za rub. Ser. B: Tekh. 7 no. 11 N '63.

BIBLIOGRAPHY—THACKERAY, WILLIAM MAKEPEACE, 1811-1863

William Makepeace Thackeray. Kal. znam. i pam. dat 8 no. 12:41-43 D '63.

BIBLIOGRAPHY—THEATER

Pages of the past. A. Gateman. V mire knig 3 no. 9:35-36 S '63.

BIBLIOGRAPHY—TURKIC LANGUAGES

"Soviet-turcica; a contribution to the bibliography of the Russian studies of Turkic languages in the Soviet Union, 1917-1957." Reviewed by Sh. I. Saadiev. Izv. AN Azerb. SSR, Ser. obshchest. nauk no. 6:193-195 '61

BIBLIOGRAPHY—UKRAINE—LAW

Bibliography. Rad. pravo no. 6 149-150 N-D '63.

BIBLIOGRAPHY—USTIUGOV, NIKOLAI VLADIMIROVICH, 1896-1963

List of N. V. Ustiugov's scholarly works. Ist. SSSR 7 no. 6:219-225 N-D '63.

BIBLIOGRAPHY—WEED CONTROL

Controlling weeds. G. Bednarskaia. V mire knig 3 no. 10:19 O '63.

BIBLIOGRAPHY—WOMEN—HEALTH AND HYGIENE

New books. Fel'd. i akush. 28 no. 11:60-61 N '63.

BIBLIOGRAPHY—ZONE MELTING

M

nected problems] Bibliograficheskii ukazatel' literatury po zonnoi plavke, teorii, praktika, kontrol' chistoty ochishchaemykh materialov i smezhnye voprosy. Moskva, Otdel nauchno-tekhnicheskoi informatsii.
No. 1. [Soviet publications] Otechestvennaia literatura. 1963. 38 p.

BICILLIN

Effect of bicillin and its combination with bismuth preparations on protein and lipid metabolism in syphilis [with summary in English]. D. N. Remizov. Vest. derm. i ven. 37 no. 7:53-58 Jl '63.

BICYCLE RACING

Dynamite in the lilac. S. Tokarev. Ogonek 41 no. 46:25-26 N '63.

BILE

Mechanism of pathological bile secretion following a hypophysectomy. M. A. Medvedev. Trudy Khab. med. inst. 23 no. 2:68-70 '62.

BILE DUCTS—DISEASES

Diagnostic importance of the method of intravenous cholangiocholecystography [with summary in English]. I. S. Petrova. Vrach. delo no. 11:52-56 N '63

Early diagnosis of ascariasis of the bile ducts. B. I. IAkhniuk. Zdrav. Bel. 9 no. 3:64-65 Mr '63

Mazurenko, G. I. [Treatment of patients with chronic diseases of the liver and bile ducts at the Truskavets Health Resort] Lechenie bol'nykh s khronicheskimi zabolevaniiami pecheni i zhelchnykh putei na kurorte Truskavets. [n. p.] Izd-vo L'vovskogo univ., 1963. 133 p. (DNLM)

BILE DUCTS—RADIOGRAPHY

Diagnostic significance of operative cholangiography and roentgenomanometric study of the biliary tract. V. V. Vinogradov, E. V. Grishkevich. Kaz. med. zhur. no. 5 19-22 S-O '63.

Roentgenomanometric studies in biliary tract surgery. S. IA. Knubovets. Kaz. med. zhur. no. 5 22-26 S-O '63.

BILIARY CALCULI see Calculi, Biliary

BILIARY TRACT—DISEASES

Changes in liver and biliary function in chronic colitis. A. IA. Gubergrits. Kaz. med. zhur. no. 5:10-11 S-O '63.

Diagnostic errors in diseases of the biliary tract. P. I. Shamarin, K. G. Uvarova. Kaz. med. zhur. no. 5 11-15 S-O '63.

Experience with repeated operations on the biliary tract [with summary in English]. K. T. Ovnatanian, A. M. Granov. Vest. khir. 91 no. 7:15-22 Jl '63.

Lidskii, A. T. [Surgical diseases of the liver and the biliary tract system] Khirurgicheskie zabolevaniia pecheni i zhelchevyvodiashchei sistemy. Moskva, Medgiz, 1963. 495 p. (DNLM)

Significance of Candida in the antibiotic treatment of chronic inflammation of the biliary tract. A. M. Margolin, A. A. Medvedkova, N. P. Ovsiannikova. Kaz. med. zhur. no. 5:15-17 S-O '63.

BILIARY TRACT—SURGERY

Experience with repeated operations on the biliary tract [with summary in English]. K. T. Ovnatanian, A. M. Granov. Vest. khir. 91 no. 7, 16-22 Jl '63.

Variant formations of the common hepatic duct and their significance in operations on the biliary tract. N. A. Miftakhov. Kaz. med. zhur. no. 5 27-30 S-O '63.

BILIBINO DISTRICT—MINERAL INDUSTRIES—ACCOUNTING

Accounting for production costs in mining. V. Shibinskii. Bukhg. uchet 29 no. 9 49-51 S '63.

BILIRUBIN

Serum iron and bilirubin in patients with aplastic anemia. G. A. Sitnikova. [Shor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 1 126-141 '60.

BILLS OF LADING

Improve the bill of lading. A. Shchetinin. V Zashchitu. Bukhg. uchet 29 no. 9 53-56 S '63.

BINDING ENERGY

Interatomic forces. Maxwell to Schrödinger [translated from the English]. C. A. Coulson. Usp. fiz. nauk 81 no. 3:515-556 N '63.

BINDING MATERIALS

Introduction of a rapid drying SM-1 binder. S. M. Kanevskaia and others. Lit. proizv. no. 10 5-6 O '63.

Kuznetsov, A. M. [Technology of binding substances and of products made from them] Tekhnologiia viazhushchikh veshchestv i izdelii iz nikh. Pod obshchei red. P. P. Budnikova. Moskva, Vysshaia shkola, 1963. 454 p.

Znachko-IAvorskii, I. L. [Outline history of binding substances from oldest times to the middle of the 19th century] Ocherki istorii viazhushchikh veshchestv ot drevneishikh vremen do serediny XIX veka. Moskva, Izd-vo Akad. nauk SSSR, 1963. 196 p. Illus.

BINDING OF BOOKS see Bookbinding

BINS

Calculating walls of reinforced concrete bunkers according to tables compiled on the basis of limit stresses. L. PZhelavkin. Trudy Ural. politekhn. in-ta, no. 131:20-28 '63.

BIOCATALYSTS

Biocatalysts. L. A. Nikolaev. Priroda 52 no. 10 18-23 '63.

BIOCHEMISTRY

Dobrynina, V. I. [Textbook of biochemistry] Uchebnik po biologicheskoi khimii. Moskva, Medgiz, 1963. 440 p.

Ivanov, A. P. [Chemical analysis of fishes and their feeds, practical manual for pisciculturists] Khimicheskii analiz ryb i ikh kormov, prakticheskoe rukovodstvo dlia rybovodov. Moskva, Rybnoe khoziaistvo, 1963. 38 p. (DNAL)

Straub, F. Bruno. [Biochemistry. Translated from the Hungarian] Biokhimiia. Budapest, Akademiai Kiado, 1963. 715 p.

BIOCHEMISTRY—ABSTRACTS

[Biochemistry] Ref. zhur.: Biol. khim. no. 24 D '63.

BIOGRAPHY

Khablo, E. P., and K. S. Gorbachevich. [Leningrad streets are named after them] Ikh imenami nazvany ulitsy Leningrada. [Leningrad] Lenizdat, 1963. 367 p.

BIOGRAPHY—BIBLIOGRAPHY see Bibliography—Biography

BIOLOGICAL APPARATUS AND SUPPLIES

Investigation of the fine structure of feathers by means of the FMN-2 apparatus [with summary in English]. V. D. Il'ichev. Zool. zhur. 42 no. 10 1584-1585 '63.

BIOLOGICAL ASSAY

Study of the infection of ticks, encephalitis carriers, by the method of bioassay. V. N. Beklemishev. Vop. virus. 8 no. 2, 240-242 Mr-Ap '63.

BIOLOGICAL PHOTOGRAPHY see Photography, Biological

BIOLOGICAL RESEARCH see subdivision under Komi A. S. S. R.; Rybinsk Reservoir region

BIOLOGY

Akademiia nauk SSSR. [As seen by a scientist: From the Earth to the galaxies. To the atomic nucleus. From the atom to the molecule. From the molecule to the organism] Glazami uchenogo: Ot Zemli do galaktik, K iadru atoma, Ot atoma do molekuly, Ot molekuly do organizma. Moskva, Izd-vo Akad. nauk SSSR, 1963. 736 p.

Biology, social and scientific progress. S. S. Andreenko. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 4:3-13 Jl-Ag '63.

BIOLOGY—ABSTRACTS

[Biology] Ref. zhur.: Biol. nos. 23-24 D '63; no. 1 Ja '64.

BIOLOGY—BIBLIOGRAPHY see Bibliography—Biology

BIOLOGY—PHILOSOPHY

Determinism and indeterminism in the theory of the variability of organisms. G. V. Platonov. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 4 87-96 '63.

The nature of life as related to its origin. I. I. Prezent. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 5 116-123 '63.

Platonov, G. V., and others, eds. [Studies on the dialectic of living nature] Ocherk dialektiki zhivoi prirody. Moskva, Sotsekgiz, 1963. 527 p.

BIOLOGY—STUDY AND TEACHING

Improve the training of agricultural specialists in the field of biology. V. I. Krasota. Vest. sel'khoz. nauki 8 no. 6 2-6 Je '63.

BIOLUMINESCENCE see subdivision under Atlantic Ocean

BIOMATHEMATICS

Method for calculating the productivity of planktonic copepods [with summary in English]. V. N. Grieze. Zool. zhur. 42 no. 9 1329-1337 '63.

Some data on the mathematical treatment of muscular verbal stereotypes. K. M. Shteingart, I. M. Goltsman. Dokl. AN SSSR 152 no. 5 1235-1238 O '63.

BIOMETRY

Use of the analysis of variance in determining the qualitative abundance of terrestrial vertebrates in the U. S. S. R. [with summary in English]. P. V. Terent'ev. Vest. LGU 18 no. 21 19-26 '63.

BIONICS

Bionics and its future. IU. Pecherskii. Komm. Mold. 8 no. 9:41-46 S '63.

BIOPSY

Hazards and complications in special examination of lung diseases [with summary in English]. O. S. Shkrob, V. S. Pomelov. Khirurgiia 39 no. 7 106-112 Jl '63.

BIOSYNTHESIS

Biosynthesis of ribosome ribonucleic acid. M. I. Lerman, V. L. Manteva, G. P. Georgiev. Dokl. AN SSSR 152 no. 3:744-747 S '63.

Effect of chloramphenicol on nicotine biosynthesis. G. S. Il'in, O. G. Feier-Kossei. Dokl. AN SSSR 153 no. 2 470-472 N '63.

BIPHENYL

Alkylation of biphenyl by olefins. Sh. T. Akhmedov, G. IU. Gadzhiev. Azerb. khim. zhur. no. 3:39-47 '62.

Zvonov, N. V., and others. [Critical tests of an organic moderator-monoisopropylbiphenyl] Kriticheskie opyty s organicheskim zamedlitelem-monoizopropildifenilom. Moskva, In-t atomnoi energii Akad. nauk SSSR, 1960. 42 p.

BIRCH

(see also subdivision under Klyaz'ma Valley)

Comparative investigation of the effectiveness of preserving birch wood by the sprinkling method. S. N. Gorshin, I. A. Chernitsov. Nauch. trudy TSNIIMOD no. 12:62-79 '62.

BIRDS—BEHAVIOR

Feathered sowers. I. N. Balbyshev. Priroda 52 no. 10: 124 '63.

BIRDS—EMBRYOLOGY see Embryology—Birds

BIRDS OF PREY see subdivision under Ob' Valley

BIRTH, MULTIPLE

Mosiatsev, A. S. [Promoting multiparity in sheep] Povyshenie mnogoplodiia ovets. Moskva, Sel'khozizdat, 1963. 95 p. (DNAL)

BIRTH INJURIES

Birth injuries of newborn infants and their effect on their development [with summary in English]. V. G. Matysiak, Z. I. Razumovskaia. Akush. i gin. 39 no. 4:106-110 Jl-Ag '63.

Early diagnosis of intracranial injuries in newborn infants [with summary in English]. G. L. Favet, F. N. Zhvakina. Akush. i gin. 39 no. 4:111-113 Jl-Ag '63.

al-BIRUNI, 973?-1048

The world map from al-Biruni's book "At-Tafkhim." Kh. Khasanov. Obshchestv. nauki v Uz. 7 no. 8, 59-61 '63.

BIRZE, MIERVALDIS

Smile of Miervaldis Birze. N. Filippovskii. Znamia 33 no. 11:224 N '63.

BISMUTH—ELECTRIC PROPERTIES

Volt-ampere characteristics of bismuth at low temperatures in a magnetic field. B. S. Borisov and others. Fiz. met. i metalloved. 16 no. 4:624-626 O '63.

BISMUTH—THERAPEUTIC USE

Effect of bicillin and its combination with [illegible] arations on protein and lipid metabolism [illegible] [with summary in English]. D. N. Romi[illegible] Ivan. 37 no. 7:53-58 Jl '63.

BISMUTH TELLURIDE—ELECTRIC PROPERTIES

Effect of pressure on the electric resistance of bismuth telluride. E. S. Itskevich, S. V. Popov, [illegible] Dokl. AN SSSR 153 no. 2 306-309 N '63.

BISMUTH-TELLURIUM ALLOYS see Tellurium-bismuth alloys

BISMUTH TITANATE

Structure of solid solutions of Sr_2TiO_4-$Bi_4Ti_3O_{12}$ [illegible] K. V. Kiseleva, S. V. Bogdanov. [illegible] 3133-3137 N '63.

BISMUTH-ZINC ALLOYS—METALLOGRAPHY

Phase transformations in an alloy containing [illegible] % Bi-50 atomic % Sn at high isostatic pressures. Ia. Pomatovskii. Fiz. met. i metalloved. [illegible] O '63.

BISTRITA RIVER

The Bistrita flows into the Bicaz Reservoir [illegible] nev. Znamia 33 no. 11 129-146 N '63.

BITUMEN see subdivision under Komi A. S. S. R.

BITUMEN—ANALYSIS see subdivision under [illegible] Valley, Timan Ridge

BITUMEN—GEOLOGY

Determination of the genetic nature of bitu[illegible] Koniukhov, V. N. Florovskaia. Sov. geol. [illegible] 133 D '63.

Improvement of the method of gas flood in [illegible] of disseminated bitumens from rocks with [illegible] sure equipment. S. N. Boletskaia. Trudy VNI[illegible] no. 212, Geokhim. sbor. no. 9:210 '61.

New method for the quantitative determination [illegible] N. S. Spiro, A. I. Danilushevskaia. Inform. [illegible] no. 32 63-66 '62.

BITUMINOUS PAVEMENTS see Pavements, Bi[illegible]

BITYAGOVO—ANTIQUITIES

The Bityagovo burial mounds. R. L. Rozenf[illegible] arkheol. 7 no. 4:217-220 '63.

BLACK EARTH see Chernozem soils

BLACK SEA—ALGAE—RADIOACTIVE PROPERTIES

Change in the content of fractional fluorescence [illegible] Cystoseira of the Black Sea. V. V. [illegible] Parchevskii, D. G. Fleishman. Dokl. [illegible] no. 5 1222-1224 O '63.

BLACK SEA—COAST CHANGES

New data on landslide phenomena in the [illegible] ern coast. I. B. Korzhenevskii, A. A. [illegible] Cherevkov. Sov. geol. 6 no. 1 [illegible] 142 [illegible]

BLACK SEA REGION—HEALTH RESORTS, WATERING PLACES, ETC.

Bulgarian Riviera. Georgii Atanasov. [illegible] no. 9 25-26 S '63.

BLACK SEA REGION—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

In spite of the war,... Evgenii Ilinga. [illegible] no. 12:26-29 Je '63.

BLACKFLIES see subdivision under Crimea

BLACKFLIES—EXTERMINATION

(see also subdivision under Bratsk)

Toxicity of some organic phosphoric insecti[illegible] larvae of blood-sucking blackflies [with [illegible] English]. A. N. Alekseev, A. P. Ignat'e[illegible] i paraz. bol. 32 no. 5:546-548 S-O '63.

BLADDER—CANCER

Pelvic phlebography in tumors of the uri[illegible] L. A. Roznerilsa. Zdravookhranenie [illegible] O '63.

BLADDER-WORM see Hydatids

BLADES—VIBRATION

Calculating frequencies of bending and tors[illegible] tions of blades of axial compressors. [illegible] Nauch. na prochn. no. 9, 339-361 '63.

BLAGOVESHCHENSK (AMUR PROVINCE)—HARBORS

Both station and harbor work in a new way. I. Orlov, K. Podorozhnyi. Rech. transp. [illegible] 25 N '63.

BLAST FURNACES

Blast furnace operation. M. A. Katanaitis. [illegible] 8 no. 11:10-12 N '63.

Conditions of tapping the smelting products [illegible] sulfuration processes in the furnace. [illegible] I. G. Polovchenko, A. N. Chechuro. Metall. [illegible] 4-8 O '63.

BLAST FURNACES (Continued)

Improve the operation of superhigh capacity blast furnaces. A. Gusovskii. Metallurg 8 no. 10 12-13 O '63.

BLAST FURNACES—DESIGN AND CONSTRUCTION see subdivision under Donets Basin

BLAST FURNACES—EQUIPMENT AND SUPPLIES

Permeability of spherical and irregularly shaped lump materials. P. N. Grekov, V. K. Gruzinov. Izv vys ucheb. zav., chern. met. 6 no. 10:18-21 '63.

BLAST FURNACES—MAINTENANCE AND REPAIR

Preventing the wear of the generatrix of large bells in blast furnaces. D. A. Storozhik. Izv vys ucheb. zav., chern. met. 6 no. 10 178-180 '63.

BLASTING

(See also subdivision under Arctic regions)

Lur'e, A. I. [Electric detonation of charges] Elektricheskoe vzryvanie zariadov. Izd 2., perer. i dop. Moskva, Gosgortekhizdat, 1963. 260 p.

Parameters of combined blasting and hydraulic mining operations with the use of deep boreholes. V. P. Lavtsevich. Trudy VNIIGidrouglia no. 1 33-41 '62.

Pokrovskii, G. I., I. S. Fedorov, and M. M. Dokuchaev. [Using directed blasting in hydraulic engineering] Primenenie napravlennogo vzryva v gidrotekhnicheskom stroitel'stve. Izd. 2., dop. i perer. Moskva, Gosstroiizdat, 1963. 222 p.

Shteinbuk, V. L. [Flameless blasting in coal mines] Besplamennoe vzryvanie na ugol'nykh shakhtakh. Kiev, Gostekhizdat USSR, 1963. 93 p.

BLASTING—HANDBOOKS, MANUALS, ETC.

Vovk, A. A. [A blaster's manual] Spravochnik vzryvnika. Kiev, Gostekhizdat USSR, 1963. 525 p.

BLIUKHER, VASILII KONSTANTINOVICH, 1889-1938

Bliukher, V. K. [V. K. Bliukher, articles and speeches] V. K. Bliukher, stat'i i rechi. Moskva, Voenizdat, 1963. 232 p.

BLOOD—AGGLUTINATION

Optimum conditions of pH and temperature for the hemagglutination reaction with the virus of Japanese encephalitis cultivated in tissues in vitro [with summary in English] Duan Suan-myou. Vop virus. 8 no. 2 176-180 Mr-Ap '63

Passive agglutination of erythrocytes as a diagnostic method for some immunohemopathies. S. M. Martynov, Kh. V. Kurii, N. I. Gromnatskii. [Sbor. trud.] L'vov. nauch. -issl. inst. perel. krovi i neotlozh. khir. no. 4: 55-63 '60.

Standardization of conditions for inhibition of the hemagglutination reaction with nonmicrobious antigen of the virus of tick-borne encephalitis (with summary in English) A. I. Rezepova. Vop virus 8 no 2 180-181 Mr-Ap '63

BLOOD—ANALYSIS AND CHEMISTRY

Biochemical changes in the blood in disorders of cerebral circulation of a thrombotic nature [with summary in English]. Z. A. Ivanikova. Vrach. delo no. 11:25-30 N '63

Changes in some blood indicators in deep freezing of the extremities of animals (rabbits). M. I. Maslovskii. Trudy Khab. med. inst. 23 no. 2:81-83 '62.

Changes in the blood as a result of chronic poisoning by the fumes of ethylbenzene. S. V. Ivanov. Trudy Vor. med. inst. 47 83-85 '62.

Changes in the blood under the effect of SHF on the organism. V. V. Sokolov, M. N. Arievich. Trudy Inst. gig. truda i prof. zab. AMN SSSR no 1:43-45 '60.

Changes in the peripheral blood in burn shock combined with acute radiation sickness. L. I. Rodina. Zdrav Bel. 9 no 3 26-28 Mr '63.

Effect of intravenous injections of heparin on some blood indices of experimental animals (rabbits). M. I. Maslovskii. Trudy Khab. med. inst. 23 no. 2:95 '62.

Histaminopexy in healthy children and in those with primary tuberculosis [with summary in English]. O. V. Kuliabko, E. V. Sereda. Pediatriia 41 no. 7 11-17 Jl '63.

Morphological and biochemical changes in the blood of cattle infected with stachybotryotoxicosis. V. I. Borisevich, V. S. Denisenko. Nauch. trudy Uch. chasti UASHN 27 no. 19-52-76 '62.

Possibilities of determining cholinesterase activity in the blood of cadavers [with summary in English]. G. IA. Pekker. Arkh. pat. 25 no. 6:57-62 '63.

Relation of the ether concentration in the venous blood to the electroencephalographic curve in ether-oxygen and nitrous oxide-ether-oxygen anesthesia during heart operations [with summary in English]. G. I. Ostapenko. Khirurgiia 39 no. 7, 74-80 Jl '63.

Significance of determining the diphenylamine reaction for detection of the activity of the rheumatic process [with summary in English]. A. A. Batsevich. Terap. arkh. 35 no. 5:78-81 My '63.

Structure of group substances of blood. Proteolysis of the A group substance. V. A. Derevitskaia, V. G. Zhatov, N. K. Kochetkov. Dokl. AN SSSR 153 no. 2: 342-345 N '63.

Study of the blood in sanitary evaluation of the toxicological characteristics of substances used in the production of synthetic rubber. R. I. Volchkova. Trudy Vor. med. inst. 47 53-56 '62.

Vitamin C content of the blood serum in Botkin's disease. A. M. Kishko, [M. V. Roshkovich. Klin. med. 41 no. 7 27-28 Jl '63.

Zinc content of the blood and its excretion from the body in Botkin's disease [with summary in English] I. P. Oligina. Klin. med. 41 no. 7 23-27 Jl '63.

BLOOD—CIRCULATION

Akademiia nauk SSSR. Institut fiziologii im. I. P. Pavlova. [Problems in the regulation of blood circulation] Voprosy regulitatsii krovoobrashcheniia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 151 p.

Correlation of the time of the blood flow from the lungs up to the ear with the growth, frequency of the pulse, arterial pressure and other magnitudes. V. V. Mel'nikov. Trudy Khab. med. inst. 23 no. 2, 61-67 '62.

Evaluation of the state of the hemodynamic system in mitral stenosis based on gas exchange data [with summary in English]. R. A. Bellaeva. Terap. arkh. 35 no. 5:60-65 My '63.

Hemodynamic and oxyhemometric changes in surgical interventions under spinal anesthesia. P. S. Tkach. Ortop., travm. i protez. 24 no. 6 30-36 Je '63.

Reflex effect of the locomotion sphere on blood circulation and respiration in experimental tetanus poisoning. V. P. Kolychev, S. V. Smolenkov. Eksp. issl. po fiziol., biokhim. i farm. no. 3, 211-220 '61.

Role of the respiratory musculature in the reflex regulation of the respiration and blood circulation. Report No. 1 Some changes in the respiration during a deliberate holding of the breath. A. K. Chuvaev. Eksp. issl. po fiziol., biokhim. i farm. no. 3, 151-158 '61.

BLOOD—CIRCULATION, ARTIFICIAL

Method of phasic control of the blood circulation. V. V. Kovanov and others. Trudy po nov. app. i metod. no. 1, 86-92 '63.

Use of protamine sulfate in surgery with artificial blood circulation. M. A. Umanskii, A. I. Tkachshinskii, M. S. Lobodiuk. Vrach. delo no. 11 133 N '63.

BLOOD—CIRCULATION, DISORDERS OF

Oxygen therapy of circulatory insufficiency [with summary in English]. M. V. Kropel'nitskaia. Vrach. delo no. 11: 31-37 N '63.

Respiratory and blood circulation functions in disseminated pulmonary tuberculosis. V. S. Dragan, V. G. Sokol. Zdravookhranenie 6 no. 5:44-48 S-O '63.

State of the coronary circulation in patients with anemia during the process of treatment. G. A. Nargizian, M. S. Kiandarian. Zhur. eksp. i klin. med. 3 no. 4 35-39 '63.

BLOOD—COLLECTION AND PRESERVATION

Petrov, D. G. [Preservation and transfusion of blood] Konservirovanie i perelivanie krovi. Kiev, Gosmedizdat USSR, 1963. 221 p. (Biblioteka prakticheskogo vracha)
(DNLM)

Transfusion of blood preserved with cation exchangers and its erythrocyte mass in hypoplastic states. S. B. IAes and others. [Sbor. trud.] L'vov. nauch. -issl. inst. perel. krovi i neotlozh. khir. no. 4:155-161 '60.

BLOOD—DISEASES

About hemodermias. IA. A. Cherikover. Vrach. delo *no. 11:145 N '63*

Focal changes in the myocardium in certain diseases of the blood. M. A. Gurevich, O. V. Il'ich. Vop. klin. pat. *no. 2:223-231 '61.*

Leukemoid reactions in tumorlike diseases. S. B. Vainberg, IU. G. IUdin, B. V. Antipov. Vop. klin. pat. no. 2: 257-262 '61.

Passive agglutination of erythrocytes as a diagnostic method for some immunohemopathies. S. M. Martynov, Kh. V. Kurii, N. I. Gromnatskii. [Sbor. trud.] L'vov. nauch. -issl. inst. perel. krovi i neotlozh. khir. no. 4 55-63 '60.

Thrombopenic anemia with erythroblastosis in gastric cancer with metastases into the bone marrow. S. V. Kagramanov, IU. G. IUdin. Vop. klin. pat. no. 2:285-290 '61.

BLOOD—OXYGEN CONTENT

Analysis of an oxyhemogram in the inhalation of oxygen. V. V. Mel'nikov. Trudy Khab. med. inst. 23 no. 2:61-63 '62.

Hemodynamic and oxyhemometric changes in surgical interventions under spinal anesthesia. P. S. Tkach. Ortop., travm. i protez. 24 no. 6 30-36 Je '63.

BLOOD—TRANSFUSION

Arterial infusion of blood in terminal states [with summary in English]. A. I. Kladovshchikov, A. D. Khitrova. Vest. khir. 90 no. 6:19-22 Je '63.

Effect of hemotransfusion on the cholesterol content in the blood serum following acute hemorrhages. T. I. Novikova-Dantsiger. [Sbor. trud.] L'vov. nauch. -issl. inst. perel. krovi i neotlozh. khir. no. 4 177-188 '60.

Hemotherapy in the compound treatment of purulent surgical diseases [with summary in English] A. S. Kukel'. Vest. khir. 90 no. 6 3-8 Je '63.

Hemotransfusions in treating patients suffering from peptic ulcers. IU. N. Volkov, IU. A. Nekrasov. Vrach. delo no. 11 136-137 N '63

Mechanism of the recovery of cardiac activity in the elimination of shock by rhythmic distension of the arterial walls. T. D. Sorochan. Zdravookhranenie 6 no. 5 52-57 S-O '63.

Petrov, D. G. [Preservation and transfusion of blood] Konservirovanie i perelivanie krovi. Kiev, Gosmedizdat USSR, 1963. 221 p. (Biblioteka prakticheskogo vracha)
(DNLM)

Reaction of the body to blood transfusion from a so-called "dangerous" universal donor [with summary in English] V. A. Dmitrieva, V. N. Kuznetsova. Vest. khir. 90 no. 6, 22-26 Je '63.

Rhesus sensitization. V. IU. Pashchuk. Vest. khir. 90 no. 6 123-125 Je '63.

Role of blood transfusion and blood substitutes in the compound treatment of diabetic patients [with summary in English]. V. D. Sokolovskii. Vest. khir. 90 no. 6 8-14 Je '63.

Role of subprofessional medical personnel in the prevention of complications in blood transfusion. V. I. Shepotinovskii. Med. sestra 22 no. 10:50-52 O '63.

State of hemopoiesis and gases of the blood in the transfusions of blood preserved with cation exchangers following hemorrhages. S. B. IAes and others. [Sbor. trud.] L'vov. nauch. -issl. inst. perel. krovi i neotlozh. khir. no. 4:168-176 '60.

Transfusion of a leucocyte mass in acute agranulocytosis, and hypoplastic and aplastic anemia. A. P. Kuchuk. [Sbor. trud.] L'vov. nauch. -issl. inst. perel. krovi i neotlozh. khir. no. 4 142-147 '60.

Transfusion of blood preserved with cation exchangers and its erythrocyte mass in hypoplastic states. S. B. IAes and others. [Sbor. trud.] L'vov. nauch. -issl. inst. perel. krovi i neotlozh. khir. no. 4 155-161 '60.

BLOOD, GASES IN

State of hemopoiesis and gases of the blood in transfusions of blood preserved with cation exchangers following hemorrhages. S. B. IAes and others. *[Sbor. trud.]* L'vov. nauch. -issl. inst. perel. krovi i neotlozh. khir. no. 4:168-176 '60.

BLOOD-BRAIN BARRIER see Hematoencephalic barrier

BLOOD DONORS

A night of struggle. Al. Shieh. Belarus' 20 no. 10 26 O '63.

Reaction of the body to blood transfusion from a so-called "dangerous" universal donor [with summary in English]. V. A. Dmitrieva, V. N. Kuznetsova. Vest. khir. 90 no. 6 22-26 Je '63.

BLOOD PLASMA

Preparation of plasma of serum in microliter quantities I. Sekach. Vop virus. 8 no. 2 237-238 Mr-Ap '63

BLOOD PLASMA SUBSTITUTES

Clinical use of hydrolysin L-103. L. N. Pushkar'. Vest. khir. 91 no. 7, 66-69 Jl '63.

Experience in the use of polyvinol in thoracic surgery [with summary in English]. V. M. Tavrovskii, N. V. Shestakov. Vest. khir. 90 no. 6 11-18 Je '63.

Role of blood transfusion and blood substitutes in the compound treatment of diabetic patients [with summary in English]. V. D. Sokolovskii. Vest. khir. 90 no. 6 8-14 Je '63.

Use of the new plasma substituting solution Polyvinal in pulmonary surgery [with summary in French]. V. M. *Tavrovskii, N. V. Shestakov. Probl. tub. 40 no. 6 68-71 '62.*

BLOOD PRESSURE

Cardiovascular system in pregnancy under normal and pathological conditions. Report No. 1. Data on arterial oscillography in the orthostatic test. V. M. Klebanov. Eksp. issl. po fiziol., biokhim. i farm. no. 3 119-124 '61.

Direct effect of physical exercises on the muscular tonus and arterial pressure in hypotension. I. B. Temkin. Eksp. issl. po fiziol., biokhim. i farm. no. 3:93-98 '61.

Functional interrelation between the tonus of the skeletal musculature and arterial pressure. A. A. Kozello, M. R. Mogendovich. Eksp. issl. po fiziol., biokhim. i farm. no. 3:27-39 '61.

Study of the blood pressure in rats under the effect of SHF using the bloodless method. Z. V. Gordon. Trudy Inst gig truda i prof. zab. AMN SSSR no 1:65-68 '60

Study of vascular tonus and blood pressure in athetosis patients using the method of arterial oscillography. L. N. Chernousova. Eksp. issl. po fiziol., biokhim. i farm. no. 3:69-74 '61.

BLOOD PRESSURE—MEASUREMENT

Evaluation of the arterial vascular tonus by the magnitude of the oscillographic index. V. A. Makarov. Klin. med. 40 no. 11:157 N '62.

BLOOD PRESSURE—MEASUREMENT (Continued)

Measuring the arterial pressure in dogs with the aid of an arterial oscilloscope. V. D. Indenbaten. Trudy Khab. med. inst. 23 no. 2 26 '62.

BLOOD PRESSURE, LOW see Hypotension

BLOOD PROTEINS

Blood proteins in patients with diffuse nephritis. G. G. Sedoi. Vrach. delo no. 11 141-143 N '63

Changes in the protein fractions of the blood and histamine under the effect of amorphous and crystalline silicon dioxide, experimental research [with summary in English]. I. A. Gel'fon, V. I. Fedorova. Arkh. pat. 25 no. 6 45-52 '63.

Characteristics of the shifts of protein fractions of the blood serum in hypoplastic and aplastic states. A. P. Kuchuk. [Sbor. trud.] L'vov. nauch. -issl. mat. perel Provi i neotlozh. khir. no. 4, 64-70 '60.

Dynamics of blood protein fractions during corticosteroid therapy in children with the nephrotic syndrome. E. T. Kossova. Pediatriia 41 no. 7, 59-62 Jl '63.

Identification of α_2-protein in dogs with a haptoglobin, N- and C-terminal groups of α_2-protein. V. D. Uspenskaia and others. Dokl. AN SSSR 152 no. 3 751-757 S '63.

Protein composition of the blood serum in antibiotic therapy. E. A. Govorovich. Klin. med. 41 no. 7 85-91 Jl '63.

Protein fractions and blood histamine under the influence of SHF and HF. I. A. Gel'fon, M. N. Sadchikova. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1 16-19 '60

Significance of determining the activity of glutamic oxalacetic transaminase, aldolase and C-reactive protein for the differentiation of macro- and microfocal myocardial infarct and stenocardia. B. IA. Bart. Terap. arkh. 35 no. 5, 28-34 My '63.

Some data on electrophoretic study of blood protein fractions in children with tuberculosis [with summary in English]. N. IA. Rodionova. Pediatriia 41 no. 7 8-11 Jl '63.

BLOOD VESSELS

Vascular tonus in women during the climacteric period [with summary in English]. R. A. Meerzon. Vrach. delo no. 11 43-49 N '63

BLOOD VESSELS—SURGERY

Possibility of using the splenic artery for the blood supply of the left kidney [with summary in English]. S. I. Elizarovskii. Vest. khir. 90 no. 5, 55-60 Je '63.

"Surgery of blood system diseases" by D. M. Grozdov, M. D. Patskora. Reviewed by A. N. Filatov. Vest. khir. 90 no. 6 142-143 Je '63.

Surgical treatment of vascular diseases. IU. F. Berezov, V. S. Rabotnikov. Med. sestra 22 no. 11 28-33 N '63

Vascular suture in lesions of the blood vessels of the extremities [with summary in English]. O. I. Chernikov. Vest. khir. 90 no. 6, 88-94 Je '63.

Vascular suture in lesions of the blood vessels of the extremities [with summary in English]. IU. V. Novikov. Vest. khir. 90 no. 6, 95-98 Je '63.

BLOOD VESSELS—TRANSPLANTATION

Artificial blood vessels. I. Maiev, I. Podgornyi. Zvezda no. 5, 180-191 My '62.

Homo- and autoplasty of the portal vein [with summary in English]. A. N. Bedenskii, N. V. Korostovtseva. Vest. khir. 91 no. 7 33-40 Jl '63.

BLOOD VOLUME

Changes in the circulating blood volume in operations on the stomach under intratracheal ether and oxygen potentiated anesthesia. R. V. Golovanov. Khirurgiia 39 no. 7, 62-66 Jl '63.

BOARDING SCHOOLS

Medical observations of the stage of health of boarding school children. T. A. Tretilova. Probl. fiz. sporta no. 2 259-269 '61.

School of life and work. P. Shpital'nik. Nar. obr. no. 12, 69-72 D '63.

BODY TEMPERATURE

Changes in the gum temperature in the orthostatic test. E. G. Uritskaia. Eksp. issl. po fiziol., biokhim. i farm. no. 3, 185-190 '61.

Effect of the mastication act on intragastric temperature in patients with anacidic gastritis. V. F. Kozlovskaia. Teor. i prak. stom. no. 5, 117-121 '61.

Thermal asymmetry in spastic hemiparesis with athetosis. N. G. Krol'. Eksp. issl. po fiziol., biokhim. i farm. no. 3, 61-67 '61.

Thermal reaction in animals under the effect of SHF. Z. V. Gordon, E. A. Lobanova. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1, 59-60 '60.

BODY TEMPERATURE—REGULATION

Temperature regulation in desert rodents under the conditions of insolation and high temperatures [with summary in English]. P. K. Smirnov, A. I. Shcheglova. Vest. LGU 18 no. 21, 12-18 '63.

BOGDANOV-BEL'SKII, NIKOLAI PETROVICH, 1868-1945

Children from the Tatevo village. T. Nikolaeva. Ogonek 41 no. 50, 21 D '63.

BOHR, NIELS HENRIK DAVID, 1885-

Niels Bohr's atomic model and its theoretical significance. A. R. Poznei. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 3, 75-80 '63.

BOILERS

Algorithmation of a process of optimum control of a boiler unit. G. I. Khutskii. Izv. vys. ucheb. zav., energ. 6 no. 9, 74-76 S '63.

Design and operation of thermal protection systems of once-through type boilers. V. V. Romantsov. Elek. sta. 34 no. 10, 2-5 O '63.

Hoisting of the drum of the TP-80 boiler using a gantry crane with pulley blocks. V. N. Shevchenko. Elek. sta. 34 no. 10 77-78 O '63.

Principle features of boilers manufactured by the Belgorod Boiler Factory in 1963. Prom. energ. 18 no. 11, 61 N '63.

Redesigning of the separator systems of the boilers of a thermal electric power plant and state regional electric power plant of the Rostov Electric Utility System. B. P. Tatarinov, D. L. Paletskii, S. S. Taravkov. Elek. sta. 34 no. 10 6-9 O '63.

Rinsing of steam superheaters with saturated steam. N. G. Popov. Prom. energ. 18 no. 11, 37 N '63.

BOILERS—ABSTRACTS

[Boiler manufacture] Ref. zhur.: Kotlostroenie no. 12 D '63.

BOILERS—CLEANING

Blowout of the steam lines of a boiler-turbine block. N. G. Buslik. Elek. sta. 34 no. 10 16-20 O '63

Study of dynamic stresses arising during during vibrational cleaning of a screen-type superheater. L. I. Kropp. Elek. sta. 34 no. 10, 10-16 O '63.

BOILERS—DESIGN AND CONSTRUCTION

Ivanova, M. S. [Calculations for the selection of auxiliary equipment for a boiler unit] Raschety k podboru vspomogatel'nogo oborudovaniia kotel'noi ustanovki. [Moskva] Rosvuzizdat, 1963. 69 p.

Perkov, V. G. [Auxiliary boiler equipment] Vspomogatel'noe oborudovanie kotel'nykh ustanovok. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1963. 222 p.

BOILERS, MARINE

Automatic regulation and emergency control systems for auxiliary marine boiler plants. B. S. Pevzner, F. P. Sladkov. Sudostroenie 29 no. 10, 33-37 O '63.

Heat emission and the hydraulic resistance of steam air preheaters in marine boilers. N. I. Pushkin, A. S. Tulakov, L. V. Eltvid. Trudy LKI. no. 36, 75-84 '62.

Selecting a type of feedback in regulators of marine power plants. M. Sh. Shifrin, V. N. IUng, V. V. Voitetskii. Sudostroenie 29 no. 10 22-26 O '63.

BOILERS, MARINE—CLEANING

New method of cleaning boiler tubes taken out of moth balls. A. P. Rogova. Sudostroenie 29 no. 11, 65 N '63.

BOLOMETER

Apparatus for studying the dynamic characteristics of receivers of heat radiation. L. S. Kremenchugskii, A. F. Mal'nev. Prib. i tekh. eksp. 8 no. 5, 182-185 S-O '63.

BOLSHEVISM see Communism

BOL'SHEZEMEL'SKAYA TUNDRA—GEOLOGY, STRATIGRAPHIC

Genesis of Pleistocene sediments in the eastern part of the Bol'shezemel'skaya Tundra. I. D. Danilov. Inform. sbor. NIIGA no. 31, 46-53 '62.

BOL'SHEZEMEL'SKAYA TUNDRA—MINERAL WATERS, SULFUROUS

Hydrogen-sulfide springs in the Bol'shezemel'skaya Tundra. I. M. Orlov. Inform. sbor. NIIGA no. 31, 54-61 '62.

BOL'SHEZEMEL'SKAYA TUNDRA—ROCKS, SEDIMENTARY

Special lithogenesis features of morainlike Pleistocene deposits in the eastern part of Bol'shezemel'skaya Tundra. I. D. Danilov. Izv. AN SSSR. Ser. geog. no. 6, 70-75 N-D '63.

BOMB RECONNAISSANCE

Medals of Bakhram Khalipov. L. Polonskii. Sov. voin 44 no. 2, 19 Ja '62.

BONCH-BRUEVICH, MIKHAIL ALEKSANDROVICH, 1888-1940

Mikhail Aleksandrovich Bonch-Bruevich. N. A. Nikitin. Fiz. v shkole 23 no. 3, 22-23 My-Je '63.

BONDS, CHEMICAL see Chemical bonds

BONE BANKS

Some problems in the theory and practice of bone plasty [with summary in English]. I. I. Kruglov, V. V. Tkachenko. Vest. khir. 90 no. 6, 71-80 Je '63.

BONE GRAFTING

Clinical use of cooled and frozen bones prepared from fresh corpses. P. P. Kovalenko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 14, 78-81 '59.

Experience in resection of the hip joint using a preserved graft. A. A. Rumiantseva. Ortop., travm. i protez. no. 6, 64-66 Je '63.

Reconstruction of the "digits" of the upper extremities [with summary in English]. I. V. Grubel. Vest. khir. 90 no. 6, 98-102 Je '63.

Some problems in the theory and practice of bone plasty [with summary in English]. I. I. Kruglov, V. V. Tkachenko. Vest. khir. 90 no. 6, 71-80 Je '63.

BONES

Changes in the bone structure in certain children's diseases; 1st report on leukemia. G. B. Lomin. Vrach. klin. pat. no. 2, 230-243 '61

Effect of sulfanilamide on calcium metabolism in calcified tissues. N. A. Zhizhina. Teor. i prak. stom. no. 5, 100-104 '61.

Microelements in the bones as indicators of the time of death. V. P. Desiatov, V. S. Zhuravlev. Sud.-med. ekspert. 6 no. 4, 28-30 O-D '63.

Some causes of different changes in bones having lain for the same period of time in the earth of similar morphological characteristics. A. F. Ryzhenkovskii. Sud.-med. eksport. 6 no. 4, 25-28 O-D '63.

BONES—DISEASES

Changes in phosphorus and calcium metabolism and transformations in the bones in nephropathies in children [with summary in English]. I. N. Ulanov. Pediatriia 41 no. 7, 47-50 Jl '63.

Neurotrophic disorders of the osteoarticular apparatus in lumbosacral radiculitis [with summary in English]. P. A. Bugaenko. Vrach. delo no. 11 65-69 N '63

Review of A. V. Grinberg's book X-ray diagnosis of occupational diseases of the bones and joints. I. A. Zedgenidze. Vest. rent. i rad. 38 no. 5, 92-93 S-O '63.

BONES—RADIOGRAPHY

Grinberg, A. V. [X-ray diagnosis of occupational diseases of the bones and joints] Rentgenodiagnostika professional'nykh zabolevanii kostei i sustavov. [Leningrad] Medgiz, 1962. 259 p. (DNLM)

Importance of a tomographic study in the diagnosis of tumors of the bones [with summary in English]. M. F. Chernomordikova. Trudy Inst. onk. AMN SSSR no. 3, 127-147 '60.

BONES—SURGERY

Fibrous bone dysplasia; data from a pediatric orthopedic and traumatologic clinic [with summary in English]. M. A. Berglezov. Vop. onk. 9 no. 7, 63-71 '63.

Roentgenological characteristics of the stimulating effect of some factors of injury and stimulation of the nervous organ on the regeneration of the osseous tissue; experimental study. V. S. Kostikov. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15, 73-[illegible] '59.

Surgical treatment of patients with osteoarticular tuberculosis. N. P. Novachenko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15, 10-16 '59.

BONES—TUBERCULOSIS

First experience in sealing bones with osteoplastic in osteoarticular tuberculosis [with summary in English]. A. A. Ismailov, A. G. Aliev. Vest. khir. 90 no. 6, 84-87 Je '63.

Surgical treatment of patients with osteoarticular tuberculosis. N. P. Novachenko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15, 9-16 '59.

Working capacity and rehabilitation in osteoarticular tuberculosis. A. F. Frolova. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15, 297-300 '59.

BONES—TUMORS

Importance of a tomographic study in the diagnosis of tumors of the bones [with summary in English]. M. F. Chernomordikova. Trudy Inst. onk. AMN SSSR no. 3, 127-147 '60.

Late tumors in dogs following the introduction of radioactive carcinogens into bones [with summary in English]. N. A. Krotkina, M. A. Achkasova. Vop. onk. 9 no. 11, 21 '63.

BONES—WOUNDS AND INJURIES

Biological effect of radioactive phosphorus on the osteogenic capacity of an injured osseous organ. A. A. Frantsenchenko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15, 347-354 '59.

Effect of small doses of ionizing radiation on the osteogenic organism. I. S. Shkoliarenko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15, 343-346 '59.

TONUS SYSTEM
(see also subdivision under Russia, Northern)

Adoption of the regulation on issuing bonuses to the workers of consumers' cooperative societies belonging to the system of provincial, territorial and republic consumers' cooperative unions, their procurement offices, trade depots, and consumers' societies. Regulation No. 83/123/16, July 1, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R., the Board of Directors of the Central Union of Consumers' Cooperatives and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no. 7 5-9 '63.

Bonus payments to workers and employees. A. Platonov. Sots. zakon. 10 no. 11,72-76 N '63.

Procedure for fund accumulation and bonus payments for adding the introduction of inventions and efficiency suggestions. Biul. Gos. kom. po vop. truda i zar. platy no. 11 11-13 '63.

Procedure for issuing bonuses to the workers, engineering and technical workers and employees of construction and assembly organizations engaged in the building and reconstruction of enterprises manufacturing mineral fertilizers, for carrying out individual assignments. Regulation No. 291, October 1, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. Biul. Gos. kom. po vop. truda i zar. platy no. 10 7-8 '63.

Procedure for paying bonuses to the workers of construction and assembly organizations and projects for fulfilling on time in the fourth quarter of individual assignments on industrial construction projects. Biul. Gos. kom. po vop. truda i zar. platy no. 11 4-6 '63.

Standard regulation on issuing bonuses to administrative, engineering and technical workers and employees of regional units and branches of the Farm Mechanization Agency "Sel'khoztekhnika." Biul. Gos. kom. po vop. truda i zar. platy no. 11 7-10 '63.

BOOK COLLECTING

Both content and form. M. Puzyrevskii. Bibliotekar' no. 11;16-17 N '63.

BOOKBINDING

Prospects for developing stitching and bookbinding machines. I. III. Vainraub. Poligr. proizv. no. 10 24-26 O '63.

BOOKBINDING—MATERIALS, ETC.

Hot stamping with foil. S. S. Ivanov. Poligr. proizv. no. 11, 21-22 N '63.

New material for manufacturing binder's stamps. V. A. Kopan, V. A. Kaliuk, Ill. M. Stoliarner. Poligr. proizv. no. 11 25-26 N '63.

Printer's foil. E. IA. Kalinin, A. M. Eldin, V. S. Melo-Ul'ev. Poligr. proizv. no. 11:26-27 N '63.

Trends in the development of stitching and bookbinding equipment. M. M. Plotkin. Poligr. proizv. no. 11, 30-32 N '63.

BOOKPLATES

For our booklovers. Andrii Vlinyk. Ukraina no. 17;12 S '62.

BOOKS

Travels of the book "Lives of the Fathers of Pechersky Monastery." V. Iampoport. V mire knig 3 no. 11:45 N '63.

BOOKS—REVIEWS

Brief reviews of new books. Komm. Ukr. 38 no. 11: 95-96 N '62.

A review of new books. S. A. Lovina and others. Ist. arkh. 8 no. 1,201-204 My-Je '62.

BOOKS AND READING

Birth of fine traditions. M. Osipov. V mire knig 3 no. 9 41 S '63.

BOOKSELLERS AND BOOKSELLING see subdivision under Kazakhstan; Krasnoyarsk Territory; Vinnitsa Province

BOOKSELLERS AND BOOKSELLING—CONGRESSES

Bring books to the masses. Z. Shkabel'nikova. Sov. pechat', kosp. 7 no. 10;24-26 O '63.

BOOKSTORES

Dobrushin, V. A., and N. IA. Slutskor. [Specialized bookstores; from their work practices] Spetsializirovannyi knizhnyi magazin; iz opyta raboty. Moskva, Iskusstvo, *1963. 130 p.*

BOOT AND SHOE INDUSTRY see Shoe industry

BOOTS AND SHOES—REPAIRING see subdivision under *Riga*

BOOTS AND SHOES—REPAIRING—ACCOUNTING

Komissarov, N. G. [Planning and accounting for production costs in shoe repairing enterprises] Planirovanie i uchet sebestoimosti proizvodstva v remontno-obuvnykh predpriiatiiakh. Moskva, Gos. izd-vo mestnoi promyshlennosti i khudozh. promyslov RSFSR, 1961. 62 p.
(MIU)

BORDER PATROLS

Thus the captain taught us. V. Chachin. Mol komm no. 9 62-64 S '63.

BORIC ACID

Thermooxidizing degradation of polypropylene in the presence of boric acid esters. E. G. Rozantsev, L. A. Kriinitskaia, B. V. Rozynov. Plast. massy no. 11 16-18 '63.

BORING

Bakhchisaraitsev, A. N. [Classification of rocks and industrial standards for hole boring] Klassifikatsii gornykh porod i tekhnicheskie normy vyrabotki na burenie shpurov. Moskva, Gosgeoltekhizdat, 1963. 134 p.

Characteristics of the seismoacoustic processes accompanying sudden ejections of coal and gas during well boring. A. G. Konstantinova, I. G. Mysina, V. S. Ivanov Izv. AN SSSR, Ser. geofiz. no. 11;1676-1683 N '63.

Suction boring during erection of bridge pile foundations. P. A. Anatol'evskii, L. V. Gal'perin. Transp. stroi. 13 no. 9,68-70 S '63.

BORING—DICTIONARIES

Giltsigrat, E. E., A. A. Pinkevich, and L. V. Vinogradova, comps. [English-Russian dictionary on exploration drilling] Anglo-russkii terminologicheskii slovar' po geologoposkovomu bureniiu. Pod red. I. A. Utkina. Leningrad, Gostoptekhizdat, 1963. 318 p.

BORING—HANDBOOKS, MANUALS, ETC.

Volkov, S. A., and A. S. Volkov. [Handbook on exploration boring] Spravochnik po razvedochnomu bureniiu. Moskva, Gosgeoltekhizdat, 1963. 547 p.

BORING MACHINERY

Bulatov, V. F. [*Boring machine operator in underground mining*] Mashinist burovykh stankov na podzemnykh gornykh rabotakh. Moskva, Gosgortekhizdat, 1963. 147 p.

BORISOVKA (BELGOROD PROVINCE)

How many commissions do you have to accept? M. Verveiko. Part. zhizn' no. 21 51-53 N '63.

BORISOVKA DISTRICT—AGRICULTURE—AUDIO-VISUAL AIDS

Visual propaganda on collective farms. A. Kovalenko. Part. zhizn' no. 1;57-59 Ja '64.

BORISOVO (MOSCOW PROVINCE)—DESCRIPTION

Saturday night in the village of Borisovo. IA. Khalipa, S. Osipov. Sov. Soiuz no. 11:46-49 '63.

BORODINO, BATTLE OF, 1812

A restored panorama. Mykola Stor. Ukraina no 16' 10 Ag '62.

BORON ORGANIC COMPOUNDS

Synthesis of boron derivatives of polyvinyl alcohol. S. N. Ushakov, P. I'Udortu. Dokl. *AN SSSR 153* no. 2,366-369 N '63.

BORTNICHI REGION—IRRIGATION

Study of the quality of concrete in structures of the Bortnichi Irrigation System. IU. Galata, P. Kudriashov. Prom. stroi. i inzh. soor. 5 no. 5:46-51 S-O '63.

BOTANICAL GARDENS see subdivision under Crimea, Nikita (Crimea); Riga

BOTANY see subdivision under Kurile Islands, Pskov region

BOTANY—ATLASES

Shishkin, B. K., ed. [Botanical atlas] Botanicheskii atlas. Moskva, Sel'khozizdat, 1963. 501 p.

BOTANY—NOMENCLATURE see subdivision under Caucasus

BOTTLE WASHING MACHINES

Device for automatic control and regulation of detergent concentration in bottle washing machines. L. P. Brusilovskii, A. IA. Vainberg, T. A. Kabanova. Trudy VNIMI [Mol.] no. 22;19-28 '62.

Improving the bottle washing process. S. S. Azrielovich. Spirt. prom. 29 no. 7;24-27 '63.

BOTTLES—DRYING

Belt conveyor dryer for bottle drying. E. F. Lissov, O. A. Kachenovskii. Masl.-zhir. prom. 29 no. 10;38 O '63.

BOULDERS see subdivision under Noril'sk region

BOUNDARY LAYER

Using three-layer differential chart in solving the equations of a boundary layer. V. G. Gromov. Izv. AN SSSR. Mekh. i mashinostr. no. 5;124-133 S-O '63.

BOUNDARY VALUE PROBLEMS

Boundary value problem for a nonlinear differential equation with deviating argument of the neutral type. G. A. Kamenskii. Trudy Sem. po teor. diff. urav. s otklon. arg. 1;47-51 '62.

Certain properties of the discrete spectrum of Schrödinger's radial equation. L. A. Sakhnovich. Dokl. AN SSSR 153 no. 2;286-289 N '63.

Differential properties of trajectories of diffusion processes depending on the parameters, and Cauchy's problem for degenerate parabolic equations. IU. N. Blagoveshchenskii. Dokl. AN SSSR 152 no. 5 1027-1030 O '63

Foundation for B. G. Galerkin's method of solving boundary value problems for equations with deviating argument. S. S. Galstian. Trudy Sem. po teor. diff. urav. s otklon. arg. 1:69-75 '62.

Mixed boundary value problem for the equation $y^m \frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial y^2} = 0$. M. M. Smirnov. Sib. mat. zhur. 4 no. 5 1150-1161 S-O '63.

Solution of the static and wave problems for screens shaped as a cone or part of a conical surface. G. A. Grinberg. Zhur. tekh. fiz. 33 no. 11 1392-1394 N '63.

Solution of three-dimensional static and wave problems for a screen shaped as an infinite thin sectorial plate. G. A. Grinberg. Zhur. tekh. fiz. 33 no. 11 1387-1391 N '63.

Stabilization of the solution to Cauchy's problem for a parabolic equation with variable coefficients. I. O. Porper. Dokl. AN SSSR 153 no. 2 273-275 N '63

Use of the method of finite differences in solving Stefan's two-phase problem for a quasilinear equation. F. P. Vasil'ev, A. B. Uspenskii. Dokl. AN SSSR 152 no. 5 1034-1037 O '63.

BRANCHIOPODA, FOSSIL
(see also subdivision under Altai Mountains)

Phylum Arthropoda, Class Crustacea, Subclass Branchiopodoidea (Gnathostraca). V. I. Kapel'ka, N. I. Novozhilova. Trudy SNIIGGIMS no. 21:184-187 '62.

Phylum Arthropoda, Class Crustacea Subclass Branchiopodoidea (Gnathostraca) V. I. Kapel'ka, N. I. Novozhilov. Trudy SNIIGGIMS no. 21 379-389 '62.

Phylum Brachiopoda. G. A. Beznosova and others. Trudy SNIIGGIMS no. 21 113-148 '62.

BRAIN

Brain and psychical functions. M. G. Ivroshevskii. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 4 123-126 '63.

Brain structure in Dermacentor pictus Herm. (Chelicerata, Acarina) [with summary in German]. I. D. Ioffe. Zool. zhur. 42 no. 10:1472-1484 '63.

Distribution of the succinic dehydrogenase and DPN-diaphorase in the reticular brain formations of some mammals. E. I. Il'ina-Kakueva. Dokl. AN SSSR 152 no. 5 1267-1269 O '63

Glutamic acid. V. F. Dmitriev. Izv. ISKHI no. 14:80-99 '59.

Glycogen fraction metabolism in the brain and liver of rats of various ages [with summary in English] N. I. Brodskaia. Vest. LGU 18 no. 21:57-64 '63.

Mechanism of the effect of aminazine on the thyroid gland [with summary in English]. S. G. Cherdyntsev. Probl. endok. i gorm. 9 no. 5 35-39 S-O '63.

Microelement content in proteins of the brain. V. I. Dmitriev, L. A. Gazarkh, S. A. Shipitsyn. Izv. ISKHI no. 14 10-16 '59.

BRAIN—DISEASES

Morphological changes in the brain following impaction of the cerebellum into the foramen magnum [with summary in English]. G. N. Mirotvorskaia. Arkh. pat. 25 no. 6:62-67 '63.

BRAIN—INFLAMMATION see Encephalitis

BRAIN—LOCALIZATION OF FUNCTIONS

Geography of the brain. S. A. Sarkisov. Ogonek 41 no. 45:13-15 N '63.

BRAIN—TUMORS

Characteristic course of brain tumors in elderly persons. N. A. Popova. Vop. klin. pat. no. 2:5-9 '61.

Tumor of the left temporal lobe of the brain with symptoms of an otogenous abscess. D. E. Rozengauz. Vrach. delo no. 11:145-147 N '63.

BRAIN—WOUNDS AND INJURIES

Early diagnosis of intracranial injuries in newborn infants [with summary in English]. G. L. Faver, F. N. Zhvakina. Akush. i gin. 39 no. 4 111-113 Jl-Ag '63.

BRASLAV DISTRICT—COLLECTIVE FARMS—ACCOUNTING

Thieves and accomplices. B. K. Baida. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:5-6 O '63.

BRASLAV DISTRICT—EMBEZZLEMENT

Thieves and accomplices. B. K. Baida. *Uchet i fin. v kolkhoz. i sovkhoz.* 20 no. 10:5-6 O '63.

BRASS—ANALYSIS

Effect of nickel on the process of the formation of a diffusive layer at the boundary of silicon brass fusion with steel. G. A. Asinovskaia. Trudy VNIIAvtogen no. 9;57-64 '63.

BRASS—HARDENING

Aging of lead α-brass. G. N. Nysanbaev, A. A. Presniakov, V. V. Cherviakova. TSvet. met. 36 no. 10 69-73 O '63.

BRASS—METALLURGY

Removing aluminum from stannous bronzes and brasses. F. M. Kolomitskii, M. N. Bystrenin. Mashinostroenie no. 6:35-36 N-D '63.

BRASS—TESTING

Effect of external stresses during the annealing of cold-worked L62 brass on its mechanical properties. L. M. Butkevich, M. B. Mikogon, V. E. Osipkovskii. Fiz. met. i metalloved. 16 no. 4 583-588 O '63.

BRATSK—BLACKFLIES—EXTERMINATION

Midge control at the construction site of the hydroelectric power station. Report No. 1: Basic problems in blackfly control procedure. [With summary in English] S. G. Grebel'skii. Med. parazit. i parazit. bol. 32 no. 5 534-539 S-O '63.

BRATSK HYDROELECTRIC POWER STATION

Technology of casting steel runners for the Bratsk Hydroelectric Power Station. N. D. Vasil'ev. Lit. proizv. no. 10 8-9 O '63.

BRATSK RESERVOIR REGION—ENGINEERING GEOLOGY

Akademiia nauk SSSR. Sibirskoe otdelenie. Institut zemnoi kory. [Bratsk Reservoir, engineering geology of the territory] Bratskoe vodokhranilishche, inzhenernaia geologiia territorii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 271 p.

BRAZIL

Encounter with Brazil; a book review. S. Semenov. Nov. vrem. 21 no. 50 30-31 D '63.

BRAZIL—LAND TENURE

Brazil. Prospects of the agrarian reform. M. Artamonov. Nov. vrem. 21 no. 52-22-23 D '63.

BRAZIL—MEDICINE—INTERNATIONAL COOPERATION

Visit to Brazil. F. G. Uglov. Vest. khir. 91 no. 7 103-115 Jl '63.

BRAZIL—PETROLEUM GEOLOGY

The search for oil in Brazil. E. Bakirov, E. Tagiev. Nov. vrem. 21 no. 46 10 12 N '63.

BRAZIL—POLITICS AND GOVERNMENT

Inspiring example. Anibal Bonavides. Agitator no. 21 11-12 N '63.

BREAD

Bread. I. Vol'per. Obshchestv. pit. no. 12:52-54 D '61.

BREAKDOWN, ELECTRIC

Electric breakdown in cesium vapor. M. A. Lebedev, Iu. K. Gusikov. Zhur. tekh. fiz. 33 no. 12 1462-1463 D '63.

Intercollegiate Conference on the breakdown of dielectrics and semiconductors. G. A. Vorob'ev. Izv. vys. ucheb. zav., fiz. no. 3 191-192 '63.

BREAKWATERS see subdivision under Nakhodka (Maritime Territory)

BREAST—CANCER

Combined hormone and chemotherapy and radiotherapy of far advanced breast cancer [with summary in English]. L. Iu. Dymarskii and others. Vop. onk. 9 no. 7 44-52 '63.

Extensive axillary-sternal mastectomy in cancer of the breast [with summary in English]. S. A. Kholdin. Trudy Inst. onk. AMN SSSR. no. 3 14-24 '60.

Extensive radical mastectomy in cancer of the breast. F. V. Narkevich. Zdrav. Bel. 9 no. 3 67-68 Mr '63.

BREAST—DISEASES

Mastopathy in a man with pathological excretions from both breasts [with summary in English]. M. S. Shul'man. Vop. onk. 9 no. 7 91-92 '63.

BREAST—SURGERY

Extensive axillary-sternal mastectomy in cancer of the breast [with summary in English]. S. A. Kholdin. Trudy Inst. onk. AMN SSSR. no. 3 14-21 '60.

Extensive radical mastectomy in cancer of the breast. F. V. Narkevich. Zdrav. Bel. 9 no. 3 67-68 Mr '63.

BREMSSTRAHLUNG—MEASUREMENT

Highly sensitive calorimeter for measuring bremsstrahlung fluxes up to 10^{-5} w. S. P. Kruglov, I. V. Lopatin. Prib. i tekh. eksp. 8 no. 4 53-58 Jl-Ag '63.

BREST, BATTLE OF, 1941

Akademiia Nauk BSSR, Minsk. Institut istoryi. [Heroic defense, collection of reminiscences on the defense of the Brest Fortress in June and July 1941] Geroicheskaia oborona, sbornik vospominanii ob oborone Brestskoi kreposti v iiune-iiule 1941 g. 2., dop. izd. Minsk, Gosizdat BSSR, 1963. 597 p.

BREST, BATTLE OF, 1941—PERSONAL NARRATIVES

People of legendary courage. L. Vikhotskii. Zvezda no. 5:191-193 My '62.

BREST PROVINCE—ATHEISM—STUDY AND TEACHING

Schools of atheism. L. Lesovaia, G. Andreiuk. Polit. samoobr. 7 no. 8 79-82 Ag '63.

BREWERIES—EXHIBITIONS see subdivision under United States

BREWING

(see also subdivision under France)

Changes in the fermenting activity of brewer's yeast occurring during its washing. A. G. Kann, I. M. Grachova. Spirt. prom. 29 no. 7 18-21 '63.

BREWING INDUSTRY—ACCOUNTING see subdivision under Odessa

BRIAGIN, ALEKSANDR IVANOVICH, 1888-1948

Man of boundless talent. Vl. Zheleznyak. Volog. krai no. 3 216-229 '62

BRIBERY

How to organize the investigation of pilfering and bribery cases. G. Kravets, A. Gerasun. Sots. zakon. 10 no. 11 55-58 N '63.

BRICK INDUSTRY see subdivision under Kurgal'dzhino District

BRICKMAKING

(see also subdivision under Kiev Province)

Kuchino. Gosudarstvennyi nauchno-issledovatel'skii institut stroitel'noi keramiki. [Brief handbook on the cooling of ring kilns, reduction of temperatures in the areas of the setting and withdrawal of bricks] Kratkoe rukovodstvo po okhlazhdeniiu kol'tsevykh pechei, snizhenie temperatur v zonakh sadki i vygruzki kirpicha. Moskva, Gosstroiizdat, 1963. 70 p.

BRICKMAKING—HYGIENIC ASPECTS

Results of the analysis of disease incidence in workers of fire-brick factories. L. I. Dinershtein, E. V. Pozhidaeva. Trudy Vor. med. inst. 47:102-103 '62.

BRIDGE CIRCUITS

New design of an a.c. bridge for frequency measurements in subsonic band. Iu. A. Sharoia. Avtom. i prib. no. 4: 57-58 O-D '63.

Universal bridge unit for measuring p-n junctions of semiconductor devices at sonic frequencies. A. F. Kotiuk, E. V. Sheremetev. Izm. tekh. no. 11 33-36 N '63.

BRIDGES

Economic comparison of a reinforced concrete bridge road with a standard road on wooden beams. A. D. Sergievskii. Shor. trud. NII mostov no. 7 58-65 '62.

BRIDGES—DESIGN AND CONSTRUCTION

Bridge erection using a floating mast-jib crane. M. I. Pritsker. Transp. stroi. 13 no. 9 72 S '63.

Divers take part in building operations. Mykola Symonovych. Ukraina no. 11 15-16 Je '62.

Kiriilov, V. S. [Design of high pile gratings for highway bridge supports] Raschet vysokikh svainykh rostverkov opor avtodorozhnykh mostov. [n. p.] Rosvuzizdat, 1963. 40 p.

This bothers bridge builders. A. P. Kurilov. Transp. stroi. 13 no. 9:76 S '63.

BRIDGES—FOUNDATIONS AND PIERS

(see also subdivision under Archangel)

Ten, I. A. [Modern deep foundations for highway bridges] Sovremennye fundamenty glubokogo zalozhenila v avtodorozhnykh mostakh. Moskva, Avtotransizdat, 1963. 274 p.

BRIDGES, CONCRETE

(see also subdivision under Leninabad)

Ivanov-Dlatlov, I. G., ed. [Using claydite concrete in road and bridge construction] Primenenie keramzitobetona v dorozhno-mostovom stroitel'stve. [By] I. G. Ivanov-Dlatlov i dr. Moskva, Avtotransizdat, 1963. 271 p.

Kiyl'tsov, E. I., and O. A. Popov. [Reinforced-concrete bridges abroad] Zhelezobetonnye mosty za rubezhom. Moskva, Avtotransizdat, 1963. 233 p.

Luk'ianchenko, P. Z. [Reinforced-concrete bridges] Zhelezobetonnye mosty. Moskva, Avtotransizdat, 1963. 55 p. (V pomoshch rabochemu mostoviku)

Maleev, M. A. [Technical information; reinforced-concrete slab enclosures used in the construction of bridge foundation supports] Tekhnicheskaia informatsiia; ograzhdenie iz zhelezobetonnykh plit pri sooruzhenii fundamentov opor mostov (iz opyta raboty Mostootriada-5, Mostostroia-2). Moskva, Orgtransstroi, 1963. 13 p.

[MICROFILM]

Standardization of prestressed bridge beams. B. E. Dvorkin. Transp. stroi. 13 no. 9:15-18 S '63.

BRIDGES, CONCRETE—TESTING see subdivision under Dnepropetrovsk

BRIDGES, WOODEN

Modern bridges made out of improved wood. L. Petrov. Prom. stroi. i inzh. soor. 5 no. 5 62 S-O '63.

BRILEVKA REGION—IRRIGATION—RESEARCH

Introduction. Nauk. pratsi Bryl. dosl. sta. po zrosh. no. 1 3-4 '61.

BRILEVKA REGION—METEOROLOGY, AGRICULTURAL

Brief meteorological characteristics of the Brilevka Irrigation Experiment Station for 1930-1955. A. V. Andrieiev. Nauk. pratsi Bryl. dosl. sta. po zrosh. no. 1 89-100 '61.

BRIQUETS

Lur'e, L. A. [Briquetting in ferrous and nonferrous metallurgy] Briketirovanie v chernoi i tsvetnoi metallurgii. Moskva, Metallurgizdat, 1963. 320 p.

BRIQUETS (FUEL)

Effect of briquetting on the kinetic characteristics of magnetite reduction by graphite. V. G. Vlasov, S. S. Lisniak. Izv. vys. ucheb. zav., chern. met. 6 no. 10 13-17 '63.

BRIUSOV, VALERII IAKOVLEVICH, 1873-1924

V. IA. Briusov. S. Nelidov. Nar. obr. no. 12:100-101 D '63.

BROACHING MACHINES

Investigating cutting forces in external broaching of cast iron with hard-alloy broaches. S. I. Zhilinskii. Stan. i instr. 34 no. 11:29-31 N '63.

BROACHING MACHINES—STANDARDS

Standardization of broaches. T. G. Efimova, V. P. Isaev. Standartizatsiia 27 no. 11 16-18 N '63.

BROMINE—PHYSIOLOGICAL EFFECT

Effect of caffeine and bromine preparations on the course of an inflammatory process (experimental research). I. P. Pshenichnyi. Trudy Khab. med. inst. 23 no. 2 57-60 '62.

BRONCHI—CANCER

Materials on clinical X-ray diagnosis of cancer in the bronchus of the middle lobe [with summary in English]. Iu. V. Cherenskii. Trudy Inst. onk. AMN SSSR. no. 3 112-126 '60.

BRONCHI—DISEASES

Course of the postoperative period following pulmonary resection in tuberculosis depending on the condition of the bronchial tree before the operation [with summary in French]. Iu. M. Guzeev. Probl. tub. 40 no. 6 52-55 '62.

BRONCHI—RADIOGRAPHY

Materials on clinical X-ray diagnosis of cancer in the bronchus of the middle lobe [with summary in English]. Iu. V. Cherenskii. Trudy Inst. onk. AMN SSSR. no. 3 112-126 '60.

Segmental lung lesion in children with chronic pneumonia [with summary in English]. V. A. Platonova. Pediatriia 41 no. 7 21-24 Jl '63.

BRONCHI—SURGERY

Ligation of the main bronchus in pulmonary tuberculosis. B. N. Bogdanovich, E. N. Chepenets. Probl. tub. 40 no. 6 103-104 '62.

Technique of alloplasty of circulatory defects of the trachea and bronchi [with summary in English]. Iu. A. Furmanov. Vest. khir. 91 no. 7 46-50 Jl '63.

BRONCHIAL FISTULA see Fistula, Bronchial

BRONCHITIS

Sinobronchitis in childhood. T. IAneva, M. Ivanova, TS. Damianova. Pediatriia 41 no. 7 21-26 Jl '63.

BRONCHOSCOPY

Bronchoscopy under anesthesia with automatically controlled respiration [with summary in English]. B. E. Sinevich. Vest. khir. 91 no. 7 60-66 Jl '63.

Experience in aspiration bronchography in the diagnosis of central lung cancer. B. K. Sharov. Vest. rent. i rad. 38 no. 5 64-65 S-O '63.

BRONZE—METALLURGY

(see also subdivision under Ob' Valley)

Removing aluminum from stannous bronzes and brasses. F. M. Kolomitskii, M. N. Bystrenin. Mashinostroenie no. 6:35-36 N-D '63.

BRONZE AGE see subdivision under Fergana

BRONZES see subdivision under Kermave

BRŪŽKA, PIATURS', 1905-
In step with the times. Gr. Berezkin. Znamia 33 no.11 217-221 N '63.
Path around the Earth. A. Purkov. Nov. mir 38 no. 6:244-245 Je '62

BROWN COAL see Lignite

BRUCELLOSIS
Certain aspects of experimental brucellosis in albino mice with oxytetracycline, biomycin, levomycetin, brucellosis vaccine and specific gamma globulin [with summary in English]. A. II. Stepchanskaya. Mikrobiol. zhur. 25 no.5 52-58 '63.

BRYANSK—COMMUNIST YOUTH LEAGUE
Corners" of Communist Youth League members. A. Krasnosev. Komsom. zhizn' no.20:11-12 O '63

BRYANSK—MACHINERY INDUSTRY
The road is a year and a half long. B. Myshenkov. Komsom. zhizn' no.20:11-12 O '63

BRYANSK—SERVICE INDUSTRIES
Something and somehow... M. Shchelolov. Ogonek 41 no.43 12-13 O '63.

BRYANSK—TECHNOLOGICAL INNOVATIONS
Faculty of innovators. V. Avchukhov. Izobr. i rats. no.11 19 '63.

BRYANSK PROVINCE—ATHEISM—STUDY AND TEACHING
Truth about the Kiev Monastery. I. Lapin. Agitator no.21 59 N '63.

BRYANSK PROVINCE—CRIME PREVENTION
We must do our best in the prevention of criminal offenses. A. Rekunkov. Sots. zakon. 10 no.9 23-27 S '63.

BUBBLE CHAMBER
Device for automatic measurement of the coordinates of charged particle tracks recorded on bubble chamber photographs. IU. A. Kazhavin and others. Prib. i tekh. eksp. 8 no.5:54-60 S-O '63.

BUCKWHEAT BREEDING
Importance of the parent material in buckwheat breeding [with summaries in English, German, and French]. V. N. Petelina. Vest. sel'khoz. nauki 8 no.6 58-60 Je '63.

BUDA-KOSHELEVO DISTRICT—COLLECTIVE FARMS
Kelzarov, A. S. [Knowing no rest] Ne znaiushchii pokoia. Minsk, Gospolitizdat BSSR, 1963. 32 p. (Rasskazy o kommunistakh)

BUDAPEST—FIRST AID IN ILLNESS AND INJURY
Hospitalization of therapeutic patients for emergency causes in Budapest. Ferenc Fodor, Lajos Mádar. Sov. zdrav. 22 no.7 68-71 '63.

BUDAPEST—HOSPITAL CARE
Hospitalization of therapeutic patients for emergency causes in Budapest. Ferenc Fodor, Lajos Mádar. Sov. zdrav. 22 no.7 68-71 '63.

BUDDHA AND BUDDHISM see subdivision under Burma

BUDGET
[Collection of problems on the state budget] Sbornik zadach po gosudarstvennomu biudzhetu. Moskva, Gosfinizdat, 1963. 190 p.

For a wider use of machinery in the accounting for carrying out the budget. E. Dedkov. Bukhg. uchet. 29 no.10:1-4 O '63.

BUILDING
(see also subdivision under Mirnyy region, Yakutia)
[Principles of building and mining-engineering structures] Osnovy stroitel'nogo dela i gornoinzhenernye sooruzheniia. Izd. 2., dop. i perer. [By] IA. G. Plaksin i dr. Moskva, Gosgortekhizdat, 1963. 463 p.

Skalynskii, V. I. [Pocket handbook for the builder] Karmannyi spravochnik stroitelia. 4. izd. Kiev, Gosstroiizdat, 1963. 575 p.

Temperature measurements in thermal holes in artificial freezing of soils. F. E. Are. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no.1,62-70 '58.

BUILDING—DETAILS
(see also subdivision under Moscow)
Strength and deformations of dowelled joints in large-panel structures. F. G. Bliuger, IU. B. Morozov. Bet. i zhel.-bet. 9 no.10:455-459 O '63.

BUILDING—ESTIMATES
Estimating problems. Ekon. stroi. no.11:66 N '63.
Nomenclature of construction projects, work and expenditures for consolidated estimated financial calculations. Ekon. stroi. no.11:64-66 N '63.

BUILDING—REPAIR AND RECONSTRUCTION
[Regulations for the performance of repair and construction work; norms and estimates] Pravila proizvodstva remontno-stroitel'nykh rabot, normy i rastsenki. Izd. 2., perer. i dop. Kiev, Gos. izd-vo lit-ry po stroit. i arkhit. USSR, 1963. 732 p.

BUILDING—SAFETY MEASURES
Ardaev, V. B. [Safety manual for loaders on construction sites] Pamiatka po tekhnike bezopasnosti dlia gruzchika na stroitel'stve. Moskva, Gosstroiizdat, 1963. 23 p.

BUILDING, CONCRETE see Concrete construction

BUILDING, EARTHQUAKE-PROOF see Earthquakes and building

BUILDING, FIREPROOF
[Fireproofness of buildings] Ognestoikost' zdanii. [By] V. P. Bushev i dr. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 166 p.

BUILDING, IRON AND STEEL
Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.
Pt 3 Sec. V, ch. 5. [Regulations for production, erection and acceptance of metal structures] Metallicheskie konstruktsii, pravila izgotovleniia, montazha i priemki (SNiP III-V. 5-62). 1963. 92 p.

BUILDING, WOODEN
Sectional wooden cupola. Arkhit. SSSR no.1 58-59 '62

BUILDING LAWS
Judicial practice in cases concerning the unauthorized occupation of land and the unauthorized construction of private residential buildings. A. Lapteev. Sov. iust. no.18,7-10 S '63.
Legal problems of designing. S. Furman. Nar. khoz. Kazakh. 21 no.9:78 S '63.
Our work experience. A. Rapoport. Sov. iust. no.22 27-28 N '63.
Urgent problem. T. Tarasova. Pozh. delo 9 no.10 8-9 O '63.

BUILDING MACHINERY see Construction equipment

BUILDING MATERIALS
Effective control over the expenditure of materials in construction projects. P. Nuss, A. IAmpol'skii. Ekon. stroi. no.11:41-45 N '63.
Made of earth. V. D. Hlukhovs'kyi. Ukraina no.17:20 S '62.
Some problems in the establishment of standards for construction materials and new standards for their consumption in pipeline construction. G. I. Kozlitskova, M. E. Privol'skii. Trudy VNIIST no.14:69-83 '62.
Volkhonskaia, R. A., and others. [Building materials made of waste products from oil shale winning and processing] Stroitel'nye materialy iz otkhodov dobychi i pererabotki goriuchikh slantsev. Leningrad, 1963. 35 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Stroitel'nye materialy i konstruktsii, no. 4)

BUILDING MATERIALS INDUSTRY see subdivision under Zaporozh'ye Province

BUILDING MATERIALS PLANTS
Marvelous automatic plant. N. Mikhinau. Belarus' 20 no.10 22 O '63.

BUILDING TRADES—STUDY AND TEACHING
(see also subdivision under Nikolayev Province)
Comprehensive course projects based on reality. N. D. Bakharev. Sred. spets. obr. 10 no.11:10-21 N '63.
Conducting the demonstration lessons. I. Liubovetskii. Prof.-tekh. obr. 20 no.10,31 O '63.

BUILDINGS, PREFABRICATED
Bal'makova, I. K. [Economic efficiency of the erection of large-panel houses directly from the means of transportation] Ekonomicheskaia effektivnost' montazha krupnopanel'nykh domov s transportnykh sredstv. Leningrad, 1963. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Stroitel'noe proizvodstvo, no. 3)
Banykin, B. N. [Design and construction of large-panel houses] Proektirovanie i stroitel'stvo krupnopanel'nykh domov. Leningrad, Gosstroiizdat, 1963. 178 p.
Moscow. TSentral'nyi nauchno-issledovatel'skii i proektno-eksperimental'nyi institut industrial'nykh zhilykh i massovykh kul'turno-bytovykh zdanii. [Work in constructing apartment houses made of large-sized components] Rabota konstruktsii zhilykh zdanii iz krupnorazmernykh elementov; sbornik statei pod red. G. A. Shapiro. Moskva, Gosstroiizdat, 1963. 191 p.
Serebrennyi, G. N. [Modern organization of the erection of buildings from panels and blocks] Sovremennaia organizatsiia montazha zdanii iz panelei i blokov; uchebnoe posobie dlia zaochnogo povysheniia kvalifikatsii inzhenerno-tekhnicheskikh rabotnikov k programme kursa "Progressivnaia tekhnologiia i organizatsiia stroitel'nogo proizvodstva." Moskva, Vses. zaochnyi tekhnikum, 1963. 157 p. fold. diagr. insert.
Sheatopal, N. M. [Prefabricated house construction] Zavodskoe domostroenie. Minsk, Izd-vo Akad. nauk BSSR, 1963. 80 p.

BUKHARA—GUIDEBOOKS
Ashurov, IA. S., T. F. Gelakh, and U. Kh. Kamalov. [Bukhara, a concise guidebook] Bukhara, kratkii spravochnik. Izd. 3, ispr. i dop. Pod obshchei red. D. N. Namazova. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1963. 107 p., 1 fold. map.

BUKHARA—HANDICRAFT
Sukhareva, O. A. [The late feudal city of Bukhara at the end of the 19th and beginning of the 20th century, the handicrafts industry] Pozdnefeodal'nyi gorod Bukhara kontsa XIX-nachala XX veka, remeslennaia promyshlennost'. Tashkent, Izd-vo Akad. nauk UzSSR, 1962. 193 p. illus. map.

BUKHARA—HISTORY
Iskandarov, R. I. [Eastern Bukhara and the Pamirs in the second half of the 19th century] Vostochnaia Bukhara i Pamir vo vtoroi polovine XIX v. Dushanbe.
Pt. 2. 1963. 350 p. (Akademiia nauk Tadzhikskoi SSR. Institut istorii. Trudy, vol. 39)

BUKHARA PROVINCE—ARCHAEOLOGY
Shishkin, V. A. Varakhsha. Moskva, Izd-vo Akad. nauk SSSR, 1963. 249 p. illus.

BUKHARA PROVINCE—INDUSTRIES
Closer to vital objectives of the building of communism. U. Kamalov. Part. zhizn' [Uzb.] 5 no.10 29-32 O '62.

BUKHARA PROVINCE—TECHNICAL EDUCATION
First graduating class of the General Technical Faculty of Bukhara. I., Sh. Sharipov. Vest. vys. shkoly 21 no.11:51-52 N '63.

BUKHTARMA HYDROELECTRIC POWER STATION
Effect of the Bukhtarma reservoir on the hydrological conditions of the Irtysh River. V. V. Degtiarev, G. F. Gusev. Probl. gidroenerg. i vod. khoz. no.1 209-216 '63.
Pouring of concrete mixture at the Bukhtarma Hydroelectric Power Station in long blocks without longitudinal seams. R. E. Litvinova and others. Energ. stroi. no.16:13-15 '60.
Washout of the bottom of the narrow section of the bed of the Irtysh River. S. A. Sukovatov. Energ. stroi. no.16,43-44 '60.

BUKOVINA—AGRICULTURAL MACHINERY—TECHNOLOGICAL INNOVATIONS
Efficiency promoters in Bukovina. V. Onishchenko. Tekh. v sel'khoz. 23 no.10,77-79 O '63.

BUKOVINA—GEOLOGY, STRUCTURAL
Tectonic position of the Bedro highland (northern Bukovina). I. D. Hofshtein. Geol. zhur. 23 no.5 51-56 '63.

BULGARIA—ANTIQUITIES
Antiquities of our land. Stoil Stoilov. Znan. sila 38 no.9,26-28 S '63.

BULGARIA—CANNING INDUSTRY
Canned sun. Georgii Mikhailov. Znan. sila 38 no.9 24-25 S '63.

BULGARIA—COMMERCE
Bulgaria's foreign trade. Ivan Budinov. Nov. vrem. 21 no.51 14-15 D '63.

BULGARIA—DESCRIPTION AND TRAVEL
I learned to love this country. Arkadii Vaksberg. Znan. sila 38 no.9 14-17 S '63.
Our friend Bulgaria. O. Kurin. Znan. ta pratsia no.10,16-18 O '63.
Socialist Bulgaria. V. Mezentsev. Znan. sila 38 no.9 13, 1 and 3 of cover S '63.
Violeta, the flowers of friendship. T. Anatol'ieva. Ukraina no.11,1-2 Je '62.

BULGARIA—ECONOMIC CONDITIONS
Socialist Bulgaria. V. Mezentsev. Znan. sila 38 no.9 13, 1 and 3 of cover S '63.

BULGARIA—ELECTRICITY, INJURIES FROM
Electrotraumatism; according to materials of the Pirogov Institute of first aid for 1952-1956. Trifon Iv. Mitev. Vop. elektropat., elektrotravm. i elektrobezop. no.3: 51-59 '62.

BULGARIA—LAND TENURE
"Share" landholding in the Rhodope region of Bulgaria; 19th century and the first quarter of the 20th century [with summary in English]. L. V. Markova. Sov. etn. no.5:69-83 S-O '63.

BULGARIA—MEDICINE—PERIODICALS
Book reviews. Med. sestra 22 no.11:61-62 N '63.

BULGARIA—PETROLEUM—ANALYSIS
Crude oil of the Dolni Dubnik field. G. P. Abrashev and others. Khim. i tekh. topl. i masel 8 no.11:24-30 N '63.

BULGARIA—PUBLIC HEALTH—CONGRESSES

First Congress of Hygienist, Epidemiologists, Microbiologists, Infectious Diseases Specialists, and Organizers of Public Health in Bulgaria. G. F. Emel'ianova. Sov. zdrav. 22 no.7 90-91 '63.

BULGARIA—RELATIONS (GENERAL) WITH WHITE RUSSIA

Collective farm envoys on the lands of White Russia and Bulgaria. V. Ponomarev. Ogonek 41 no.43:2-5 O '63.

BULGARIA—STEEL INDUSTRY

New glory of the Balkans. Ukraina no.17:26 S '62.

BULGARIA—STOCK AND STOCKBREEDING

Achievements of the Bulgarian stockbreeders. Priroda 52 no.10,107 '63.

BULGARIA—TEACHING

Lipetsk practice in Bulgaria. G. Kasvin. Nar. obr. no.12,123-124 D '63.

BULGARIA—TRADE UNIONS

A Bulgarian yearbook on the history of trade unions. M. A. Bitman. Vop. ist. 38 no.11,158-160 N '63.

BULGARIAN LANGUAGE—DIALECTS

Phonetics system of the dialect in Gorno Polye region. N. V. Kotova. Slav. filol. [Mosk. un.] no.4 32-63 '63.

BULGARIAN LANGUAGE—MOOD

Meaning of the perfect in Bulgarian. V. V. Borodich. Slav. filol. [Mosk. un.] no.4 3-31 '63.

BULGARIAN LANGUAGE—TENSE

Meaning of the perfect in Bulgarian. V. V. Borodich. Slav. filol. [Mosk. un.] no.4 3-31 '63.

BULGARIAN POETRY—HISTORY AND CRITICISM

Contemporary poetry of Bulgaria. V. O. Zakharzhevs'ka. Mizhslov. lit. vzaiem. no.3 309-321 '63.

BULLDOZERS see subdivision under Siberia

BUNT (DISEASE OF WHEAT) see Smuts

BUONAROTTI, MICHEL ANGELO, 1475-1564

Giant. B. Brodskii, A. Varshavskii. Znan. sila 38 no.10 34-35 O '61

BURMA—BUDDHA AND BUDDHISM

An interview within the walls of a monastery. M. Il'in. Az. i Afr. segi. no.12:54 D '63.

BURMA—FOREIGN RELATIONS

An interview within the walls of a monastery. M. Il'in. Az. i Afr. segi. no.12.54 D '63.

BURNS AND SCALDS

Bratus', V. D. [Surgical treatment of thermal burns] Khirurgicheskoe lechenie termicheskikh ozhogov. Kiev, Gosmedizdat USSR, 1963. 380 p. (DNLM)

Burns on the face and the neck. M. V. Mukhin. Med. sestra 22 no.10,13-19 O '63.

Changes in the peripheral blood in burn shock combined with acute radiation sickness. L. I. Rodina. Zdrav Bel 9 no.3 26-28 Mr '63

Clinical use of hydrolysin L-103. L. N. Pushkar'. Vest. khir. 91 no.7 66-69 Jl '63.

First aid; burns. S. IA. Freidlin. Zdorov'e 9 no.10:28 O '63.

"Internal pathology in burns" by R. I. Shilov, P. V. Pilipshin. Reviewed by B. S. Vikhriev. Vest. khir. 91 no.7:140-141 Jl '63.

Villavin, G. D., and O. V. Shumova. [Pathogenesis and treatment of burn disease] Patogenez i lechenie ozhogovoi bolezni. Moskva, Medgiz, 1963. 275 p. (DNLM)

BURSITIS

Treatment and prophylaxis of bursitis in miners. S. D. Reznik. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no.15,109-114 '59.

BURYAT ART see Art, Buryat

BURYAT A. S. S. R.—EDUCATION

Development of public education in the Buryat A. S. S. R. for the past 40 years. S. G. Dugarov. Sov. pedag. 27 no.11 69-76 N '63.

BURYAT FICTION

Makhatov, V. B. [Problems of socialist realism in Buryat literature; problems in the development of its prose] Problemy sotsialisticheskogo realizma v buriatskoi literature; nekotorye voprosy razvitiia prozy. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 101 p. (MH)

BURYAT LANGUAGE—GRAMMAR

Ulan-Ude. Buriatskii kompleksnyi nauchno-issledovatel'skii institut. [Problems of literary Buryat] Voprosy literaturnogo buriatskogo iazyka. Ulan-Ude, 1963. 122 p.

BUSINESS CORRESPONDENCE see Commercial correspondence

BUTADIENE

Stereospecific polymerization of trans-1-phenyl-1,3-butadiene. A. D. Aliev and others. Dokl. AN SSSR 153 no.2 333-336 N '63.

BUTANEDIONE

Investigating the hardening of emulsion layers with diacetyl. S. M. Levi, IU. B. Vilenskii. Trudy NIKFI no.51:99-103 '62.

BUTENE

Oxidation of butylenes to methyl ethyl ketone in the presence of palladium chloride. B. L. Kozik, S. V. Postnikov, A. P. Savel'ev. Khim. i tekh. topl. i masel 8 no.11 11-15 N '63.

Preparation of α-butylene by dehydration of n-butyl alcohol on aluminum oxide A-1. I. I. Pis'man and others. Azerb. khim. zhur. no.3 49-58 '62.

BUTLIN, VALENTIN

"A traveling inspector." Borys Volynets'. Ukraina no.12:22 Je '62.

BUTOMO, VIKTOR GRIGOR'EVICH, 1894-1963

V. G. Butomo. Akush. i gin. 39 no.4:147-148 Jl-Ag '63.

BUTTER—MICROBIOLOGY

Microbiological processes in butter made with the continuous method. Z. P. Chuzhova, L. N. Shubina. Izv. vys. ucheb. zav.; pishch. tekh. no.5:37-42 '63.

BUTTERFAT—COMPOSITION

Investigating the chemical composition of the summer milk fat and its fractions. S. S. Gulinev-Zaliaev. Izv. vys. ucheb. zav., pishch. tekh. no.5:33-36 '63.

BUTYL ALCOHOL

Preparation of α-butylene by dehydration of n-butyl alcohol on aluminum oxide A-1. I. I. Pis'man and others. Azerb. khim. zhur. no.3:49-58 '62.

BUTYRALDEHYDE

Catalytic action of amino acids and amines in organic reactions. Part 10: Specific action of amino acids and amines in crotonic and aldol condensations of butyraldehyde. T. S. Boiko, N. V. Volkova, A. A. IAsnikov. Ukr. khim. zhur. 29 no.11:1179-1187 '63

BUZULUK REGION (ORENBURG PROVINCE)—PINE

Characteristics of the establishment of pine seed plantations in the Buzuluk pine forest. A. A. Khirov. Les. khoz. 16 no.9:31-34 S '63.

BUZULUK REGION (ORENBURG PROVINCE)—SEED PRODUCTION

Characteristics of the establishment of pine seed plantations in the Buzuluk pine forest. A. A. Khirov. Les. khoz. 16 no.9.31-34 S '63.

BYLINY

From the history of the Russian epic [with summary in English]. V. G. Smolitskii. Sov. etn. no.5 7-19 S-O '63.

CABBAGE

Rototilling of soil before sowing forage cabbage [with summaries in English, German, and French]. S. S. Shain, F. M. Tkachenko. Vest. sel'khoz. nauki 8 no.6: 61-63 Je '63.

CABBAGE—DISEASES AND PESTS see subdivision under Alma-Ata Province

CABINETWORK

Shepelev, A. M. [Cabinetwork] Stolliarnye raboty. Izd. 2., perer. i dop. [Moskva] Mosk. rabochii, 1963. 271 p.

CABLES see subdivision under Moscow

CABLEWAYS

Automation and increase in productivity of loading stations of ring cableways. IU. D. Tarasov. Mekh. i avtom. proizv. 17 no.10:16-19 O '63.

CADASTERS see subdivision under Lithuania

CADAVERS

Differential diagnosis of live-born and stillborn infants by the method of emission spectrum analysis. G. A. Pashinian. Sud.-med. ekspert. 6 no.4:30-32 O-D '63.

Possibilities of determining cholinesterase activity in the blood of cadavers [with summary in English]. G. IA. Pokker. Arkh. pat. 25 no.6:57-62 '63.

Preparation of cadaver tissues in a medicolegal morgue. P. P. Kovalenko, F. F. Skvortsov, N. P. Demichev. Sud.-med. ekspert. 6 no.4:48-51 O-D '63.

CADMIUM

Effect of cadmium on the probability of electron recombination in germanium. E. IU. L'vova. Fiz. tver. tela 5 no.11:3057-3059 N '63.

Effect of the addition of cadmium ions on the thermal stability of silver oxalate. V. V. Boldyrev and others. Kin. i kat. 4 no.5 672-682 S-O '63.

CADMIUM—ANALYSIS

Successive separation and determination of some elements by means of diantipyrylmethane. Part I: Separation and determination of zinc and cadmium. V. P. Zhivopistsev, V. Kh. Aitova, L. A. Selezneva. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no.5:739-741 '63.

CADMIUM SULFIDES—ELECTRIC PROPERTIES

Dependence of the recombination cross section of carriers in CdS on the electric field. V. A. Malyshe, E. P. Zavadovskaia. Izv. vys. ucheb. zav., fiz. no.3:49-53 '63.

CADMIUM TELLURIDE—PHOTOELECTRIC PROPERTIES

High-voltage photo- e. m. f. in "monocrystal" cadmium telluride films. F. T. Novik. Fiz. tver. tela 5 no.11: 3112-3119 N '63.

CAFFEINE

Effect of caffeine in hypoglycemia. S. I. Bogoslovskii. Probl. endok. i gorm. 9 no.5 17-19 S-O '63.

Is subarachnoid introduction of caffeine expedient at apnea during high occ hrospinal anesthesia [with summary in English]? S. A. Geshelin. Khirurgiia no.7,71-73 Jl '63.

CAFFEINE—PHYSIOLOGICAL EFFECT

Effect of caffeine and bromine preparations on the course of an inflammatory process (experimental kerat[illegible]). I. P. Pshenichnyi. Trudy Khab. med. inst. 33 no.2 57-60 '62.

CAKE

Is it necessary to use such an amount of butter-cream decoration on cakes? N. Luchkina. Obshchest. pit. no.6,19-20 Je '63.

CALCIUM—ANALYSIS

Extraction of calcium by means of azo-azoxy-butyl[illegible] thalene in the presence of polar solvents [with summary in English]. F. P. Gorbenko, V. V. Sachko. Zh. anal. khim. 18 no.10:1198-1205 O '63.

Microdetermination of calcium in organic substances by photometric titration with complexon III solutions [with summary in English]. B. G. Belenkii, I. M. Severinets. Zhur. anal. khim. 18 no.8:950-955 '63.

CALCIUM CARBONATE

Interaction of calcium hydroxide and carbonate under autoclave treatment. M. S. Shvartsaid, E. P. Sibirs, B. N. Vinogradov. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no.1 51-56 '62.

CALCIUM CHLORIDE—PHYSIOLOGICAL EFFECT

Effect of potassium and calcium on the activity of vein receptors. P. F. Konovalov. Trudy Khab. med. inst. 23 no.2:55-56 '62.

Reflex influence of potassium chloride and calcium chloride from vein receptors. P. F. Konovalov. Trudy Khab. med. inst. 23 no.2.53-54 '62.

CALCIUM CYANAMIDE

Synthesis of calcium cyanamide based on ammonia, natural gasoline and limestone. L. Dasoian, Kh. Grigorian. Prom. Arm. 6 no.9.58-59 S '63.

CALCIUM HYDROXIDE

Interaction of calcium hydroxide and carbonate under autoclave treatment. M. S. Shvartsaid, E. P. Sibirs, B. N. Vinogradov. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no.1:51-56 '62.

CALCIUM IN THE BODY

Changes in the calcium and inorganic phosphorus of the blood in patients with acute myocardial infarct developing after coronary thrombosis [with summary in English]. A. D. Khatagurov. Terap. arkh. 35 no.5,15-[illegible] My '63.

CALCIUM METABOLISM

Changes in phosphorus and calcium metabolism and transformations in the bones in nephropathies in children [with summary in English]. I. N. Usov. Pediatr. 41 no.7:47-50 Jl '63.

Effect of sulfanilamide on calcium metabolism in devitalized tissues. N. A. Zhizhina. Teor. i prak. stom. no.5:100-104 '61.

CALCIUM PHOSPHATES

Production of concentrated phosphorus fertilizers by distillation of nitrate extracts. Z. A. Proinova, N. I. Minkova. Khim. prom. no.9:665-670 S '63.

CALCIUM SILICATES

Clinker-forming compounds - water systems. Part I. Effect of alkalies and active silica on the hydrated calcium silicates. V. F. Chernykh, R. D. Azelitskii, I. F. Ponomarev. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no.5:834-840 '63.

CALCULI, BILIARY

Case of intrahepatic lithiasis. P. Drenichin. Klin. med. 41 no. 7:140-140 Jl '63

CALCULI, URINARY—PREVENTION

Prevention of urinary calculi and so-called urolithic diathesis. A. IA. Pytel, S. D. Goligorskii. Klin. med. 40 no. 11:7-14 N '62.

CALCULUS OF PREDICATES

Extension of V. I. Glivenko's and G. Kreisel's theorems to a certain class of formulas for predicate computation. G. F. Minto, E. P. Orevkov. Dokl. AN SSSR 152 no. 3:553-554 S '63.

CALCULUS OF TENSORS

Application of the calculus of tensors and the geometry of Riemann space to linear bound systems. A. V. Berezdreev. Izv. LETI no. 47 143-156 '62.

Borisenko, A. I., and I. E. Tarapov. [Vector analysis and the fundamentals of the calculus of tensors] Vektornyi analiz i machala tenzornogo ischisleniia. Izd. 2., dop. Moskva, Gos. Izd-vo "Vysshaia shkola," 1963. 261 p.

Shulikovskii, V. I. [Classical differential geometry in terms of the calculus of tensors] Klassicheskaia differentsial'naia geometriia v tenzornom izlozhenii. Pod red. A. P. Norden. Moskva, Fizmatgiz, 1963. 540 p.

CALCULUS OF VARIATIONS

Kraiko, A. N. [Variational problems involving supersonic flows of a gas with arbitrary thermodynamic properties] Variatsionnye zadachi sverkhzvukovykh techenii gaza s proizvol'nymi termodinamicheskimi svoistvami. Moskva, Vychislitel'nyi tsentr Akad. nauk SSSR, 1963. 82 p. (Trudy Vychislitel'nogo tsentra)

New formula in variational calculus. M. A. Lavrent'ev. Usp. mat. nauk, 18 no. 5:159-160 S-O '63.

Variational formulae for univalent functions in doubly connected regions. I. A. Aleksandrov. Sib. mat. zhur. 4 no. 5:961-976 S-O '63.

CALIBRATION

Calibration of tungsten-rhenium /tungsten-rhenium thermocouples. G. B. Lapp, D. I. Popova. Izm. tekh. no. 10: 33-34 O '64.

Methods of calibrating propeller shafts. A. A. Antipov, V. G. Popov, A. I. Terekhchenko. Sudostroenie 29 no. 10:64-66 O '63.

Some methodological problems in the study of lumbering machines. L. M. Kopelovich. Trudy STI no. 32:105-119 '62.

CALLISTHENICS

Source of cheerfulness. G. Khmeleva. Zdorov'e 8 no. 10:24 O '63.

CALORIMETERS

Highly sensitive calorimeter for measuring bremsstrahlung fluxes up to 10^{-5} w. S. P. Kruglov, I. V. Lopatin. Prib. i tekh. eksp. 8 no. 4:53-58 Jl-Ag '63.

Theory of a cylindrical bicalorimeter for measuring heat conductivity of thermal insulators. A. K. Abas-Zade, A. A. Gylmanov. Zh. tekh. prog. 3 no. 7:13-16 Jl '63.

CALVES

Kon'kov, E. A. [Hygiene of raising and housing calves] Gigiena vyrashchivaniia i soderzhanie teliat. 2., perer. i dop. Izd. Moskva, Izd-vo M-va sel'. khoz. RSFSR, 1963. 92 p. (DNAL)

CALVES—DISEASES AND PESTS

Treatment of gastrointestinal diseases of calves with polymyxin. A. F. Safonov, L. A. Afanas'ev, V. M. Petrov. Vest. sel'khoz. nauki (Kazakh.) 6 no. 9:59-62 S '63.

CAMBODIA—ECONOMIC ASSISTANCE, AMERICAN

Our commentaries. Nov. vrem. 21 no. 40:3-4 N '63.

CAMBODIA—POLITICS AND GOVERNMENT

Our commentaries. Nov. vrem. 21 no. 10:1-3 N '63.

CAMELS, FOSSIL see subdivision under Caucasus

CAMERAS—MAINTENANCE AND REPAIR

Vishnevskii, Z. A. [Repair of cameras] Remont fotoapparatov. Moskva, Gosbytizdat, 1963. 205 p.

CAMEROON—INVESTMENTS, WEST GERMAN

Present-day Cameroon and the policy of the Federal German Republic. M. M. Golubchik. Vop. ist. 38 no. 11: 134-135 N '63.

CAMPS (MILITARY)

Camp "Komsomolia." B. Pokholenchuk, V. Gzhel'skii. Sov. voin 45 no. 19:1-3 O '63.

CAMPUS PLANNING see subdivision under Leningrad

CAMS

Grinding disk cams operating with a roller-type follower. I. A. Koganov, G. M. Sheinin. Stan. i instr. 34 no. 11: 27-28 N '63.

Synthesis of the laws of motion of the follower taking its elasticity into account. E. E. Peisakh. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 5:116-122 '63.

Two theorems for the plotting of jerk acceleration plans. L. I. Kremenshtein. Izv. vys. ucheb. zav., tekh. leg. prom. no. 5:91-97 '63.

Using a cam set for multiple machining or fastenings on automatic lathes. V. I. Ishutkin. Mashinostroenie no. 5 24-26 S-O '63.

CANADA—ECONOMIC GEOGRAPHY

Characteristics of the economic geography of Canada. I. F. Antonova. Geog. i khoz. no. 12:63-66 '63.

CANADA—ESKIMOS

Our books. Zhen. mira no. 11:20 '61.

CANALS

(see also Kizi-Tabo Canal; Neman-Dnieper Canal)

Handling large-tonnage vessels navigating along canals. L. Kartashkin. Rech. transp. 22 no. 11 47-48 N '63.

Mathematical statistics method for calculating earth displacement operations in the planning of canals and irrigation districts. I. V. Bussalaev. Probl. gidroenerg. i vod. khoz. no. 1 158-167 '63.

CANCER

Changes in mitochondria and activity of the oxidation-reduction enzyme series during carcinogenesis and in tumors, histochemical research [with summary in English]. N. T. Raikhlin. Arkh. pat. 25 no. 7 24-32 '63.

Clinical use of hydrolysin L-103. L. N. Pushkar'. Vest. khir. 91 no. 7:68-69 Jl '63.

Clinicomorphological characteristics of fibrosarcomas in the soft tissues of the extremities and the trunk [with summary in English]. E. A. Chekhanina. Trudy Inst. onk. AMN SSSR no. 3:43-60 '60.

Use of some chemotherapeutic preparations in treating malignant tumors and systemic diseases [with summary in English]. M. A. Aziv, K. A. Pavlov. Trudy Inst. onk. AMN SSSR, no. 3:158-168 '60.

CANCER—EXCISION

Principle of anatomical zonality and the margin of resection in the removal of malignant tumors [with summary in English]. A. I. Rakov. Trudy Inst. onk. AMN SSSR. no. 3:5-13 '60.

Results of the use of Crile's operation [with summary in English]. R. I. Vagner. Trudy Inst. onk. AMN SSSR. no. 3:68-79 '60.

CANCER RESEARCH

Luminescent microscopic study of normal and tumoral cells fluorochromated with acridine orange at different pH values. N. E. Vorotnitskaia and others. Dokl. AN SSSR 152 no. 3:724-726 S '63.

"Statistical study of malignant neoplasms" by A. M. Merkov, A. V. Chaklin. Reviewed by L. E. Poliakov, D. M. Malinskii. Vop. onk. 9 no. 7:123-126 '63.

CANDIDA (FUNGUS)

After effect of O_2 and H_2O_2 on the fodder yeast Candida Kp-9. D. L. Shamis, L. E. Denisenko, N. S. Gelikonova. Trudy Inst. mikrobiol. i virus AN Kazakh. SSR 7:40-43 '63.

CANDIDA DISEASES see Moniliasis

CANNING AND PRESERVING

Use of mixed cultures of lactic acid bacteria and yeast for fermenting vegetables. A. A. Levina. Trudy Inst. mikrobiol. i virus AN Kazakh. SSR 7 77-82 '63.

CANNING INDUSTRY

(see also subdivision under Bulgaria; Estonia; Moscow; Podolian Economic region; Rostov)

Canning industry during the 46 years of the Soviet regime. Konserv. prom. 18 no. 11:1-2 N '63.

For an improvement of the quality and widening of the assortment of products. A. N. Podkopaev. Konserv. prom. 18 no. 11:10-11 N '63.

From pages of newspapers. Konserv. prom. 18 no. 11: 46-47 N '63.

Lengthening the season of strawberry processing. A. A. Il'inskii. Konserv. prom. 18 no. 11:36-37 N '63.

Socialist competition between the enterprises of Moscow and of Leningrad. M. A. Dubrovskii. Konserv. prom. 18 no. 11:8-10 N '63.

CANNING INDUSTRY—ACCOUNTING

Accounting and calculation in the canning industry. M. Moizhes. Bukhg. uchet 29 no. 11:19-22 N '63.

CANNING INDUSTRY—COSTS see subdivision under Krasnodar Territory

CANNING INDUSTRY—EQUIPMENT AND SUPPLIES

Efficiency of using machinery for the removal of impurities in pea husking. G. A. Fedorovich, V. N. Mamin. Konserv. prom. 18 no. 11:14-18 N '63.

CAPILLARIES

Capillaroscopy in athetosis with spastic paralysis. L. N. Chernousova. Eksp. issl. po fiziol., biokhim. i farm. no. 3:75-78 '61.

Changes in the capillary bed of the liver in fetuses and newborn of white rats in asphyxia [with summary in English]. A. A. Cheremnykh. Arkh. pat. 25 no. 7: 53-61 '63.

CAPILLARIES—PERMEABILITY

Anti-inflammatory action of corticosteroids in Botkin's disease. V. I. Plotnikov. Kaz. med. zhur. no 5 43-45 S-O '63.

CAPILLARITY

Determination of a capillary pressure jump at the interface of two ponderable fluids on the basis of observed values of the traveling speed. A. Sh. Karymov. Izv. Akad. Azerb. SSR Ser. fiz.-mat. i tekh. nauk no 4:121-125 '63

Investigating the wetting by molten glass of the spinnerette plate material. E. F. Pichugin, E. A. Karabutova. Trudy MKhTI no. 37 111-119 '62.

On the capillary impregnation of spherical granules and diffusion extraction while in the stage of capillary impregnation. B. V. Deriagin, M. A. Al'tshuler. Dokl. AN SSSR 152 no. 3 651-654 S '63.

CAPITAL

Analysis of the utilization of enterprise funds. S. Kanterman. Bukhg. uchet 20 no. 5:41-43 My '63

Bunich, P. G. [Current problems in the efficient utilization of productive capacity and capital assets] Aktual'nye voprosy effektnogo ispol'zovaniia proizvodstvennykh moshchnostei i osnovnykh fondov. Moskva, Ekonomizdat, 1963. 68 p. (Obsluzhivaem problemy sovershenstvovaniia planirovaniia, no. 3)

Calculating the average balances of working capital. S. Sverdlik. Bukhg. uchet 29 no. 5:52-56 My '63.

Economic incentives of the efficient utilization of productive capacity and capital assets. P. Bunich. Sots. trud 8 no. 10:25-34 O '63.

Influence of technological progress on the relationship of the value of capital assets to the value of production. A. Vikhliaev. Nauch. dokl. vys. shkoly, ekon. nauki 6 no. 6:26-32 '63.

Influence of the structure of industrial production on the correlation between capital assets and the industrial production of the U. S. S. R. IU. M. Kanygin. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 6 27-37 N-D '63.

Utilization analysis of production funds. E. Liberman, S. Galuza. Bukhg. uchet 29 no. 9:19-25 S '63.

CAPITAL INVESTMENTS

Akademiia nauk SSSR. Institut ekonomiki. Efficiency of capital investments in various branches of socialist industry] Effektivnost' kapital'nykh vlozhenii v razlichnykh otraslialkh sotsialisticheskoi promyshlennosti. Moskva, Izd-vo Akad. nauk SSSR, 1963. 229 p.

Criteria of the efficiency of capital investments in modern bourgeois econometrics. V. Shliapentokh. Plan. khoz. 40 no. 11:74-81 N '63.

Do we need methodology for determining the efficiency of capital investments? V. Lukianchenko. Sov. torg. 37 no. 11:18-20 N '63.

Improving standard methodology. A. Filakhtov. Ekon. stroi. no. 11:72-73 N '63.

Taking the time factor into account in establishing norms for the coefficients of economic efficiency. L. Riha. Vop. ekon. no. 10:88-98 O '63.

Vasil'ev, E. N. [Capital investments financed from noncentralized funds] Kapital'nye vlozhenila za schet netsentralizirovannykh istochnikov. Moskva, Gosiurizdat, 1963. 50 p. (Bibliotechka khoziaistvennika i rabotnika iuridicheskoi sluzhby)

CAPITALISM

Arzumanian, A. A. [Problems of modern capitalism] Problemy sovremennogo kapitalizma. Moskva, Ekonomizdat, 1963. 121 p.

Under a gigantic press. IU. Zamoshkin. Mezhdunar. zhizn' 10 no. 11:30-38 N '63.

CAR AXLES—MAINTENANCE AND REPAIR

Organizing the current maintenance of car axle boxes on lengthened haul distances. M. V. Orlov. Zhel. dor. transp. 45 no. 11:25-29 N '63.

CAR WHEELS

Technology for the balancing of the wheel pairs of the rolling stock. I. S. Fedorov. Trudy MIIT no. 175 146-154 '63.

CAR WHEELS—MAINTENANCE AND REPAIR

Bogdanov, F. IA., and N. I. Martynov. [Handbook for the foreman and brigade chief of the car-wheel shop] Posobie masteru i brigadiru kolesnogo tsekha. Moskva, Transzheldorizdat, 1963. 270 p. diagrs. insert.

CARAMEL

Polarographic analysis of caramel obtained from saccharose. M. M. Poliachenko, M. I. Barabanov. Izv. vys. ucheb. zav., pishch. tekh. no. 5:52-54 '63.

CARBENES

Production of cyclopropane hydrocarbons by the reduction of dihalocarbene adducts to olefins. O. M. Nefedov, N. N. Novitskaia, A. D. Petrov. Dokl. AN SSSR 152 no. 3:629-632 S '63.

CARBOHYDRATES

Use of empirical formulas in establishing maximal permissible concentrations of organic substances in the water of reservoirs. IA. I. Taradin, A. S. Faustov. Trudy Vor. med. inst. 47:38-40 '62.

CARBON—ANALYSIS

Titrimetric semimicromethod for the determination of carbonate carbon in solid mineral fuels [with summary in English] I. V. Gruberg, A. A. Salamin. Zhur. anal. khim. 18 no. 10:1239-1243 O '63.

CARBON—SPECTRA

Spectral determination of carbon in case-hardened steels. T. T. Stelanenko. Zav. lab. 29 no. 11:1321-1322 '63.

CARBON, ACTIVATED

Hydraulic resistance of activated carbon during the dynamic sorption. E. D. Ponomarev. Masl.-zhir. prom. 29 no. 10:26-28 O '63.

CARBON CHLORIDES—SPECTRA

Influence of the isotopic effect on the nuclear quadrupole resonance line width in solid CCl_4. A. N. Osipenko. Izv. vys. ucheb. zav., fiz. no. 3:150-152 '63.

CARBON DIOXIDE

Determination of the surface of products of the thermal decomposition of $KMnO_4$ by chemisorption of $C^{14}O_2$. V. A. Protashchik, B. V. Erofeev. Dokl. AN BSSR 7 no. 5:326-329 My '63.

Effect of carbon dioxide, formed during the destruction of oil fields, on the development of karst processes. M. S. Kavcev. Dokl. AN SSSR 152 no. 3:721-723 S '63.

Solubility of carbon dioxide in aqueous solutions of dimethylformamide at low temperatures. E. R. Shenderei, F. P. Ivanovskii. Zhur. fiz. khim. 37 no. 9:2125-2127 S '63.

CARBON ISOTOPES

Reactions of organomercury and organolead compounds studied by the isotopic and mass-spectrometric method. G. A. Razuvaev and others. Dokl. AN SSSR 152 no. 5:1122-1125 O '63.

CARBON MONOXIDE

Formation of cobalt carbonyls from metallic cobalt (powder) and carbon monoxide. D. P. Krinkin, D. M. Rudkovskii. Khim. prom. no. 9:655-660 S '63.

CARBON MONOXIDE—TOXICOLOGY

Sorption capacity of different organs in chronic poisoning by carbon monoxide [with summary in English]. B. M. Shtabskii. Vrach. delo no. 11:100-104 N '63.

CARBON TETRACHLORIDE

Triple Fermi resonance in carbon tetrachloride molecules. E. M. Verlan, V. L. Strizhevskii. Izv. vys. ucheb. zav.; fiz. no. 5:113-117 '63.

CARBONIC ACID

Economics and prospects for the production of liquid and solid carbonic acid by the hydrolysis plants [with summary in English on p. 168]. A. I. Kozlov, V. G. Sokolova. Sbor. trud. NIIGS 11:146-156 '63.

Investigations in the field of the preparation of carbonic acid polyesters. Synthesis and study of carbonic acid polyesters based on 2, 2-(3, 3'-dichloro-4, 4'-dihydroxydiphenyl)-propane and phosgene. I. P. Losev and others. Plast. massy no. 11:8-11 '63.

CARBONYL GROUP

Using the method of potentiometric analysis for determining carbonyl numbers in dark-colored products. S. A. Udovenko, L. I. Babanskikh. Trudy NIISZHIMSa no. 3:89-90 '62.

CARBORUNDUM see Silicon carbide

CARBOXYL GROUP

Quantitative microdetermination of carboxyl groups in cellulosic materials by the luminescent method [with summary in English]. I. N. Ermolenko, G. N. Chirkova. Zhur. anal. khim. 18 no. 8:994-998 Ag '63.

CARCINOGENS

Dynamics of roentgenological changes in the maxilla in rabbits during the development and growth of induced tumors [with summary in English]. R. A. Mel'nikov, A. F. Kondrat'eva. Vop. onk. 9 no. 7:21-32 '63.

Late tumors in dogs following the introduction of chemical carcinogens into bones [with summary in English]. N. A. Krotkina, M. A. Achkasova. Vop. onk. 9 no. 7:15-21 '63.

CARD CATALOGS (FOR LIBRARIES) see Catalogs, Card

CARDIAC GLYCOSIDES—TOXICOLOGY

Clinicoelectrocardiographic indices in poisoning with cardiac glycosides and the effect of potassium chloride [with summary in English]. F. E. Ostapiuk. Terap. arkh. 35 no. 5:51-59 My '63.

CARDIAC MASSAGE

Possibility of indirect massaging of the heart for the resuscitation of persons injured by electric current. N. S. Bekturganova. Vop. elektropat., elektrotravm. i elektrobezop. no. 3:71-73 '62.

CARDIFF—DESCRIPTION

A visit to the Cardiff artists. M. Strizhenova. Nov. vrem. 21 no. 47:25-27 N '63.

CARDING MACHINES

Kofman, D. M., I. R. Trofimov, and N. N. Truevisev. [Carding machines for cotton manufacture, their design, maintenance, repair and operation] Chesal'nye mashiny khlopkopriadil'nogo proizvodstva, ustroistvo, remont i obsluzhivanie. Moskva, Gizlegprom, 1963. 163 p. (Uchebniki i uchebnye posobiia dlia podgotovki rabochikh massovykh professii)

CARDIOGRAPHY

Babskii, E. B., and V. L. Karpman. [Dynamocardiography] Dinamokardiografiia. Moskva, Medgiz, 1963. 167 p. (Biblioteka prakticheskogo vracha)
(DNLM)

CARDIOLOGY

Basic principles of the technical guarantee of the phasic method. A. N. Medelianovskii, O. I. Kiselev. Trudy po nov. app. i metod. no. 1:17-40 '63.

Method of phasic photography of the heart, a method of receiving photographs and films of the X-ray image of the heart at a given phase of the cardiac cycle. A. N. Medelianovskii, V. A. Frolov, O. I. Kiselev. Trudy po nov. app. i metod. no. 1:60-63 '63.

Method of phasic resection of a portion of the myocardium at a given phase of the cardiac cycle for subsequent biohistochemical and autoradiographic investigation. A. N. Medelianovskii and others. Trudy po nov. app. i metod. no. 1:71-79 '63.

Method of phasic roentgenocardiography. A. N. Medelianovskii and others. Trudy po nov. app. i metod. no. 1:54-59 '63.

Method of phasic study of stimulation of the heart. A. N. Medelianovskii, O. I. Kiselev, E. V. Bogdanova. Trudy po nov. app. i metod. no. 1:64-70 '63.

Method of respiratory and cardiac phasing in its use for studying and regulating the activity of the heart and large vessels. A. N. Medelianovskii, O. I. Kiselev. Trudy po nov. app. i metod. no. 1:93-98 '63.

Phasic method of studying the heart is a new step in the development of cardiology. S. M. Pavlenko. Trudy po nov. app. i metod. no. 1:5-8 '63.

Phasic X-ray cardiograph FRK-61 is a commercial apparatus guaranteeing the use of the phasic method. I. K. Tabarovskii. Trudy po nov. app. i metod. no. 1:45-53 '63.

Some possibilities and prospects of the phasic method. A. N. Medelianovskii. Trudy po nov. app. i metod. no. 1:9-16 '63.

Universal apparatus for the phasic study of the heart on a trigger scheme. A. N. Medelianovskii, O. I. Kiselev. Trudy po nov. app. i metod. no. 1:41-45 '63.

CARDIOLOGY—CONGRESSES

All-Union Conference of Cardiologists. M. K. Mikushkin. Terap. arkh. 35 no. 5:110-112 My '63.

CARDIOVASCULAR SYSTEM

Cardiovascular system in pregnancy under normal and pathological conditions. Report No. 1 Data on arterial oscillography in the orthostatic test. V. M. Klebanov. Eksp. issl. po fiziol., biokhim. i farm. no. 3:119-124 '61.

Clinical aspects of changes in the internal organs under the effect of SHF. A. A. Orlova. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:36-40 '60.

Examination of the cardiovascular and respiratory systems in young skiers. V. V. Vasil'eva and others. Probl. fiz. sporta no. 2:156-178 '61.

Examination of the functional capacity of the cardiovascular and respiratory systems in young gymnasts. A. V. Martynova. Probl. fiz. sporta no. 2:209-224 '61.

Method of respiratory and cardiac phasing in its use for studying and regulating the activity of the heart and large vessels. A. N. Medelianovskii, O. I. Kiselev. Trudy po nov. app. i metod. no. 1:93-98 '63.

Reflex effects of the skeletal muscles on the respiratory and cardiovascular systems in strychnine poisoning. E. G. Uritskaia. Eksp. issl. po fiziol., biokhim. i farm. no. 3:193-202 '61.

CARDIOVASCULAR SYSTEM—DISEASES
(see also subdivision under Kalush; Yaroslavl)

Prolonged anticoagulant therapy in cardiovascular diseases. I. Kenedi. Terap. arkh. 35 no. 5:14-16 My '63.

Results of long polyclinical (dispensary) observations of cardiovascular diseases [with summary in English]. M. I. Teodori, G. K. Alekseev. Klin. med. 40 no. 11:51-58 N '62.

CARGO HANDLING—EQUIPMENT AND SUPPLIES

Effect of hatch arrangements on the intensity of mechanizing loading operations. M. Andrievskii. Rech. transp. 22 no. 10:33 O '63.

Universal pneumatic loader and unloader. M. Nikulin. Rech. transp. 22 no. 10:49 O '63.

CARIBBEAN AREA—HURRICANES

Where "Flora" passed. T. Batlaeva, L. Minina. Ogonek 41 no. 43:31 O '63.

CAROTENE

Carotene supply available to animals in the pastures of Alma-Ata Province. A. F. Mel'nik. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:27-38 S '63.

CAROTENOIDS

Formation of chlorophyll and carotenoids in the fruit of tomatoes during their gradual growth and ripening. T. N. Godnev, F. F. Shabel'skaia. Dokl. AN BSSR 7 no. 5:347-349 My '63.

CAROTID ARTERY—DISEASES

Review of L. V. Shmidt's book "Stenosis and thrombosis of the carotid arteries and disorders of the cerebral blood circulation." A. R. Vinnitskii, D. I. Pinchevskaia. Vrach. delo no. 11:150-151 N '63.

CAROTID ARTERY—SURGERY

Case of surgical treatment of a pulsating arteriovenous hematoma of the common carotid artery. I. P. Kolesnikov. Khirurgiia 39 no. 7:131-132 Jl '63.

CARPATHIAN MOUNTAIN REGION—BEECH

Some data on the economic effectiveness of gradual cuttings in beech forests. V. A. Buzun. Lesn. khoz. 16 no. 9:52-54 S '63.

CARPATHIAN MOUNTAIN REGION—FOREST MANAGEMENT

Some data on the economic effectiveness of gradual cuttings in beech forests. V. A. Buzun. Lesn. khoz. 16 no. 9:52-54 S '63.

CARPATHIAN MOUNTAIN REGION—WATER, UNDERGROUND

Shtohryn, O. D. [Underground waters of Quaternary sediments in the cis-Carpathian region] Pidzemni vody chetvertynnykh vidkladiv Peredkarpattia. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 137 p.

CARPATHIAN MOUNTAINS—GEOLOGY, STRATIGRAPHY

Upper Tortonian and Lower Sarmatian sediments in the Inner zone of the Carpathian piedmont fault. V. I. Artsabka. Geol. zhur. 23 no. 5:100-101 '63.

CARPATHIAN MOUNTAINS—LICHENS

Makarevich, M. F. [Analysis of lichens of the Ukrainian Carpathians] Analiz likhenoflory Ukrains'kykh Karpat. Kyiv, Vid-vo Akad. nauk URSR, 1963. [illegible] p.

CARPATHO-UKRAINE see Transcarpathia

CARPENTRY—SAFETY MEASURES

Bogatykh, IA. D. [Safety manual for the carpenter] Pamiatka po tekhnike bezopasnosti dlia stoliara. Izd. 2., perer. i dop. Moskva, Gosstroiizdat, 1963. 15 p. (Tekhnika bezopasnosti v stroitel'stve)

CARROTS AS FEED

Chebotaev, N. F., and V. I. Dan'ko. [Carrots for cattle] Morkov' na korm. Moskva, Sel'khozizdat, 1963. 102 p.
(DNAL)

CARTHAGE—HISTORY

Shifman, I. Sh. [Origin of the Carthaginian state] Vozniknovenie Karfagenskoi derzhavy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 102 p.

CARTOGRAPHY

Egorov, N. I. [Plans and maps; teachers' manual] Plany i karta; posobie dlia uchitelei. Izd. 4., perer. [illegible] Uchpedgiz, 1963. 142 p.
___ ___ ___ Maps.

Some rules on the drawing of cartographic images. D. A. Larin. Geod. i kart. no. 10:59-62 O '63.

CASCADES (FLUID DYNAMICS)

Reducing end losses in cascades of profiling [illegible] machines. E. K. Olesevich. Trudy Odesskogo [illegible] no. 14:45-46 '62.

CASE HARDENING

Nitriding spindle surfaces of the 2614 and 2614 horizontal boring machines. A. Klimanov. [illegible] 6 no. 9:55-57 S '63.

CASPIAN SEA

Will the Caspian Sea level continue to fall? V. A. [illegible] Mor. flot 23 no. 11:42-43 N '63.

CASPIAN SEA—CONGRESSES

Problems of the Caspian Sea. D. A. Lilienberg, N. A. Nikolaeva. Izv. AN SSSR, Ser. geog. no. 6:[illegible] D '63.

CASPIAN SEA—CRABS

The Dutch crab Rhithropanopeus Harrisi tridentatus in the Caspian Sea. D. V. Gadzhiev. Priroda 52 no. 1:[illegible] '63.

CASPIAN SEA—OIL WELL DRILLING, SUBMARINE

Using combined methods for completing offshore [illegible] in the Azerbaijan S. S. R. Azerb. neft. khoz. [illegible] no. 5:1-2 My '61.

CASPIAN SEA—SPRATS

Proteolysis of the Caspian sprat at different pH values. V. I. Shenderiuk. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:55-59 '63.

CASPIAN SEA—TRAIN FERRIES

Railroad ferry from Baku to Krasnovodsk and its economic efficiency. K. B. Tagiyev. Za tekh. prog. 3 no. 7 [illegible] Jl '63.

CASPIAN SEA—WINDS

Some characteristics of wind conditions in the Caspian Sea. A. N. Shekhtman. Trudy NIIAK no. 20:30-75 '63.

CASPIAN SEA REGION—EARTHQUAKES

Influencing the depth of the seismic center of the Caspian earthquakes of October 16, 1960 and February 19, 1961 in Apsheron. Izv. AN SSSR. Ser. geofiz. no. 11:1698-1700 N '63.

CASSITERITE

Inclusions in colloform cassiterite. G. N. Komarova, L. E. Novoselova. Trudy IMGRE no. 18:25-29 '63.

CAST IRON—HARDENING

Using isothermal hardening techniques for open cast-iron gear wheels. G. M. Grekov. Trudy Od. tekh. inst. 44:87-92 '63.

CAST IRON—HEAT TREATMENT

Annealing malleable cast iron without packing. N. I. Tsybulko and others. Lit. proizv. no. 10:43-44 O '63.

Ways of increasing the motor capacity of internal combustion engines and the service of marine engines. A. Predtechevich. Rech. transp. 22 no. 10:26-28 O '63.

CAST IRON—METALLOGRAPHY

Diffusion of lithium in cast iron and phenomena accompanying it. L. N. Pavadze, D. D. Ebanoidze. Lit. proizv. no. 10:26-28 O '63.

Kleshnev, N. I. [High-strength cast iron with spheroidal graphite, its properties and uses] Vysokoprochnyi chugun s sharovidnym grafitom, svoistva i primenenie. Moskva, *Mashgiz*, 1963. 210 p.

Phosphide eutectics in magnesium cast iron. M. V. Volontsevich, V. I. Litovka. Lit. proizv. no. 10:22-25 O '63.

CAST IRON—METALLURGY

Accounting for waste in iron casting. P. S. Illiashov. Mashinostroenie no. 5:75-76 S-O '63.

Effect of ferrosilicon additions on the crystallization of magnesium cast iron. A. IA. Khrapov, V. I. Bedarev. Izv. vys. ucheb. zav.; chern. met. 6 no. 10:131-138 '63.

Efficiency of using magnesium for the production of cast iron with spheroidal graphite. S. F. Makarenko. Lit. proizv. no. 10:41-42 O '63.

Improving the smelting of converter pig iron. F. Bolkunov, A. Volovik. Metallurg 8 no. 11:7-10 N '63.

CAST IRON—TESTING

Effect of aluminum on engineering properties of structural and special-purpose cast irons. IU. G. Bobro. Mashinostroenie no. 5:50-59 S-O '63.

Properties of oxygen blown modified cast iron in parts under cantilevered operating conditions. N. P. Konashko. Mashinostroenie no. 5:50-52 S-O '63.

CAST IRON—WELDING

Airtightening welded joints in thin-walled cast iron parts by metal spraying. M. P. Zabedovskii, N. V. Zaushnikov, V. S. Kovalev. Svar. proizv. no. 6:20-21 Je '63.

Cast iron welding in carbon dioxide. B. I. Oboiantsev. Svar. proizv. no. 6:15 Je '63.

Electrode and filler materials for the welding of cast iron. B. G. Ivanov, IU. I. Zhuravitskii. Svar. proizv. no. 6:17-18 Je '63.

Exchange of experience acquired in the welding of cast iron. K. P. Voshchinnov. Svar. proizv. no. 6 21-22 Je '63.

From the editors. Svar. proizv. no. 6:1-2 Je '63.

Hot arc welding-up of cast iron. IU. I. Zhuravitskii. Svar. proizv. no. 6:13-15 Je '63.

Mechanized method of welding cast iron with the use of powder wire. IU. A. Sterenbogen and others. Svar. proizv. no. 6:7-8 Je '63.

Reconditioning by build-up welding of cast iron metal-cutting machine parts. B. G. Ivanov. Svar. proizv. no. 6:2-6 Je '63.

Soldering cast iron at temperatures of 300-350°C. M. I. Boiko. Svar. proizv. no. 6:19-20 Je '63.

Welding cast iron in an atmosphere of water vapor. V. N. Troepolskii, A. A. Glukharov. Svar. proizv. no. 6:16 Je '63.

Welding-up of iron castings for the removal of founding defects. I. I. Rogatskin. Svar. proizv. no. 6:9-10 Je '63.

CAST-IRON PIPE *see* Pipe, Cast-iron

CAST STONE see Stone, Cast

CASTOR OIL

Drying and threshing of castor plant bolls under industrial conditions. V. M. Kopelkovskii and others. Masl.-zhir. prom. 29 no. 10:28-30 O '63.

CASTRO, FIDEL, 1927-

On a visit to Soviet soldiers. *Sov. voin* 45 no. 14:38-39 Jl '63.

CATALASE

Catalase activity of Mycobacterium tuberculosis [with summary in French]. O. Schweigel. *Probl. tub.* 40 no. 6 88-91 '62.

CATALOGS, CARD

Reference and information card catalog in a design office. S. P. Liatskii. Opyt rab. po tekh. inform. i prop. no. 3, 28-32 '63.

CATALYSIS

Catalytic action of amino acids and amines *in organic* reactions. Part 10: Specific action of amino acids and amines in ketonic and aldol condensations of butyraldehyde. T. S. Boiko, N. V. Volkova, A. A. IAsnikov. Ukr. khim. zhur. 29 no. 11:1179-1187 '63.

Effect of complex formation on the induction period in certain homogeneous catalytic reactions. K. B. IAtsimirskii, R. P. Mozgova. Kin. i kat. 4 no. 5:772-775 S-O '63.

Industrial catalytic purification of a nitrogen-hydrogen mixture by the removal of carbon monoxide and carbon dioxide. V. M. Vlasenko and others. Khim. prom. no. 8 583-586 Ag '63.

Kinetics of heterogeneous catalytic *reactions carried* out under pulse-chromatographic operating conditions or ideal linear chromatography. G. A. Gaziev, V. IU. Filinovskii, M. I. IAnovskii. Kin. i kat. 4 no. 5:888-897 S-O '63.

Low-temperature catalytic conversions of organic compounds on clays. Report No. 4: Conversion of stearic acid. A. I. *Bogomolov*, L. I. Khotyntseva. Trudy VNIGRI no. 212. Geokhim. sbor. no. 8:68-76 '63.

Low-temperature catalytic conversions of organic compounds on clays. Report No. 5. Conversion of abietic acid. A. I. Bogomolov, K. I. Panina. Trudy VNIGRI no. 212. Geokhim. sbor. no. 8 77-86 '63.

Measurement of the gradient of hydrogen concentration in hydrogenation of solutions [with summary in English]. A. B. Fasman, I. P. Getmantseva, D. V. Sokol'skii. Zhur. *fiz. khim.* 37 no. 9 2100-2105 S '63.

Possibility of carrying out the catalytic dehydrogenation under chromatographic conditions. S. Z. Roginskii, E. I. Semenenko, M. I. IAnovskii. Dokl. AN SSSR 153 no. 2 383-385 N '63.

Stability of contact apparatus having internal heat exchange. M. G. Slin'ko, V. S. Beskov, V. B. Skomorokhov. Khim. prom. no. 9:641-647 S '63.

Vsesoiuznaia konferentsiia po kataliticheskim reaktsiiam v zhidkoi faze, Alma-Ata, 1962. [Catalytic reactions in the liquid phase] Kataliticheskie reaktsii v zhidkoi faze; trudy Vsesoiuznoi konferentsii. Alma-Ata, Izd-vo Akad. *nauk Kazakhskoi SSR, 1963.* 459 p.

CATALYSIS—CONGRESSES

First All-Union Conference on Modeling and Optimization of Catalytic Processes. Kin. i kat. 4 no. 5:795-798 S-O '63.

CATALYSTS

Aromatization of hexanes at atmospheric pressure over a sodium promoted alumina-platinum catalyst. N. R. Bursian, S. B. Kogan, Z. A. Davydova. Kin. i kat. 4 no. 5:783-786 S-O '63.

Changes in alumina-chromia catalysts during the aromatization of n-hexane. B. A. Kazanskii and others. Kin. i kat. 4 no. 5:768-772 S-O '63.

Effect of potassium addition on the rate of regeneration of a zinc-chromium catalyst. IA. V. Znigailo, L. I. Shpak. Khim. prom. no. 8,591-593 Ag '63.

Effect of the chemical composition of chromiaaluminosilicate catalysts on their activity and chromium oxide forms. Z. G. Zul'fugarov, G. I. Alimardanov, Z. S. Agamirzoeva. Azerb. khim. zhur. no. 3,75-84 '62.

Hydrogenation of Pt and Pd during the feeding of the unsaturated compound at a uniform rate. A. M. Sokol'skaia, S. A. Riabinina, D. V. Sokol'skii. Dokl. AN SSSR 152 no. 5:1126-1129 O '63.

Liquid-phase oxidation of hydrocarbons on solid semiconducting catalysts. I. I. Ioffe, N. V. Klimova. Kin. i kat. 4 no. 5:779-782 S-O '63.

New catalysts for the production of synthetic fatty acids. I. E. Rusinov and others. Khim. i tekh. topl. i masel 8 no. *11:30-35 N '63.*

Production of catalysts for paraffin oxidation. V. I. Babaev, I. E. Rusinov, A. I. Kudriashov. Masl.-zhir. prom. 29 no. *11:37-40 N '63.*

Recovery of complex catalysts from dispersions of polyethylene by means of methanol in a rotary apparatus. A. A. Baram and others. Plast. massy no. 11: 58-59 '63.

Searching for efficient ways to provide the synthetic fatty acids (SZhK) industry with inorganic manganese salts for the production of catalyzing soaps. A. F. Pickopchuk. Trudy NIISZHIMSa no. 3:78-82 '62.

CATALYSTS—MAGNETIC PROPERTIES

Faraday method [with summary in English]. V. B. Lodokimov. Zhur. fiz. khim. 37 no. 9 2139-2141 S '63.

CATARACT

Treatment of senile cataract with sodium thiosulfate. A. G. Petrov. Zdrav. Bel. 9 no. 3 54-56 Mr '63.

CATGUT

Allergic reactions due to the use of catgut. L. N. Bolshakov. Vrach. delo no. 11,140-141 N '63.

CATHODE FOLLOWERS

A complex cathode follower. V. N. Rasputnyi. Izv. vys. ucheb. zav., radiotekh. 6 no. 5 499-501 S-O '63.

CATHODE RAY OSCILLOGRAPH

Modeling the sense of touch by means of ultrasonic surface waves. L. L. Miasnikov. Trudy LKI. no. 36 103-105 '62.

CATHODIC PROTECTION

Regularities of the deposition of hydroxide films in the process of the electrochemical protection of steel structures against corrosion. G. G. Koshelev. Sudostroenie 29 no. 10 46-49 O '63.

CATHOLIC CHURCH see subdivision under White Russia

CATHOLIC CHURCH—SOCIAL POLICY

"The Apostolic movement" and the political strategy and tactics of the Catholic Church" [in German] by H. Mohr. Reviewed by S. D. Skazkin. *Vop. ist.* 38 *no. 12:180-185* D '63.

CATTLE—DISEASES AND PESTS

Bacteriological investigation of stachybotryotoxicosis in cattle. IU. P. Smitan, M. K. Skorobogatko. Nauch. trudy Uch. chasti UASHN 27 no. 19 102-105 '62.

Biochemical and pathomorphological estimation of possible use as food of the meat of cattle infected with stachybotryotoxicosis. M. K. Beletskaia and others. Nauch. trudy Uch. chasti UASHN 27 no. 19 118-125 '62.

Changes in the electrocardiogram of cattle infected with stachybotryotoxicosis. G. I. Antonets. Nauch. trud. Uch. chasti UASHN 27 no. 19 77-83 '62.

Clinical symptoms, course, and diagnosis of stachybotryotoxicosis in cattle. I. S. Nagornyi, M. P. Mudriak. Nauch. trudy Uch. *chasti UASHN 27 no 19 33-51 '62.*

Comparative pathological morphology of stachybotryotoxicosis of cattle in experimental and natural infection of animals. P. M. Ponomarenko, A. I. IAtsyshin, A. I. Popov. Nauch. trudy Uch. chasti UASHN 27 no. 19 84-101 '62.

Data on the etiology of stachybotryotoxicosis in cattle. I. E. Povazhenko and others. Nauch. trudy Uch. chasti UASHN 27 no. 19,5-22 '62.

Fundamentals of prophylaxis and therapy in stachybotryotoxicosis of cattle. I. E. Povazhenko, I. S. Nagornyi. Nauch. trudy Uch. chasti UASHN 27 no. 19 106-111 '62.

Morphological and biochemical changes in the blood of cattle infected with stachybotryotoxicosis. V. I. Borisevich, V. S. Denisenko. Nauch. trudy Uch. chasti UASHN 27 no. 19,52-76 '62.

Mycoflora of feeds causing stachybotryotoxicosis of cattle. A. V. Gvozdov. Nauch. trudy Uch. chasti UASHN 27 no. 19 23-32 '62.

CATTLE—WATERING

Machines for mechanized water supply and cattle watering. A. N. Panchenko. Mashinostroenie no. 5 107-111 S-O '63.

CAUCASUS—BOTANY—NOMENCLATURE

Kosenko, I. S. [Manual for determining families of the higher plants of the Northwestern Caucasus and Ciscaucasia] Posobie dlia opredeleniia semeistv vysshikh rastenii Severo-Zapadnogo Kavkaza i Predkavkaz'ia. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1963. 35 p.

CAUCASUS—CAMELS, FOSSIL

Domestic camel in the ancient Caucasus. N. I. Burchak-Abramovich. Dokl. AN Azerb. SSR 19 no. 4:73-77 '63.

CAUCASUS—FLOODS

Calculating elements of spring and summer floods of the rivers of the northeastern slope of Lesser Caucasus in the limits of Azerbaijan. N. A. Veliev, N. G. Gadzhibekov. Za tekh. prog. 3 no. 10:34-37 O '63.

CAUCASUS—ICHNEUMON FLIES

Increasing the efficiency of parasites of the pine-shoot moth (Evetria buoliana Schiff.) in pine stands of the northern slopes of the central Caucasus [with summary in English]. V. V. Gulii. Zool. zhur. 42 no. 9:1414-1415 '63.

CAUCASUS—MOSSES

New and rare species of mosses in the Caucasus. L. B. Liubarskaia. Dokl. AN Azerb. SSR 19 no. 4:69-71 '63.

CAUCASUS—PHYTOGEOGRAPHY

Tumadzhanov, I. I. [Functional geobotanical zoning of the northern slope of the Greater Caucasus] Opyt drobnogo geobotanicheskogo raionirovaniia severnogo sklona Bol'shogo Kavkaza, na primere Karachaia. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 240 p. [With summary in English]

CAUCASUS—PINE-SHOOT MOTH—BIOLOGICAL CONTROL

Increasing the effectiveness of parasites of the pine-shoot moth (Evetria buoliana Schiff.) in pine stands of the northern slope of the central Caucasus [with summary in English]. V. V. Galin. Zool. zhur., 42 no. 9, 1311-1315 '63.

CAUCASUS—STONE AGE

Exploration survey of ancient neolithic sites in the Caucasus. A. A. Formozov. Sov. arkheol., 7 no. 1, 181-187 '63.

CAUCASUS—WOODY PLANTS

Akademiia nauk Gruzinskoi SSR, Tiflis. Institut lesa. [Woody plants of the Caucasus, wild and cultivated] Dendroflora Kavkaza, dikorastushchie i kul'turnye derev'ia i kustarniki. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR.

Vol. 3. [Angiospermae, Dicotyledoneae Moraceae (mulberry family) — Platanaceae (plane-tree family)] Angiospermae — pokrytosemennye, Dicotyledoneae — dvudol'nye Moraceae (tutovye) — Platanaceae (platanovye). 1963. 307 p.

CAUCASUS—WORLD WAR, 1939-1945

Engineer troops in the battle for the Caucasus. V. Istomin. Voen.-ist. zhur., 5 no. 10, 86-90 O '63.

CAUCASUS, NORTHERN—ARCHAEOLOGY

An outstanding work on the history of the Northern Caucasus. B. A. Latynin. Sov. arkheol., 7 no. 1, 271-278 '63.

CAUCASUS, NORTHERN—CONGLOMERATE

Stratigraphic significance of conglomerates with plagiogranite pebbles in Paleozoic layers of the Northern Caucasus. A. M. Demin, S. M. Tropachev. Izv. AN SSSR, Ser. geol., 28 no. 7, 69-79 Jl '63.

CAUCASUS, NORTHERN—DESCRIPTION AND TRAVEL

Frunov, D. I. [Treasure gorges, four trips through the Northern Caucasus] Uschel'ia sokrovishch, 4 puteshestviia po Severnomu Kavkazu. Moskva, Izd-vo "Sovetskaia Rossiia," 1963. 360 p. (Po zemle Rossiiskoi)

CAUCASUS, NORTHERN—GUIDEBOOKS

Agibalova, V. V. [With a rucksack through the paths of the central Caucasus] S rukzakom po tropam Tsentral'nogo Kavkaza. Khar'kov, Izd-vo Khar'kovskogo univ., 1963. 153 p.

CAUCASUS, NORTHERN—MACHINERY INDUSTRY—ACCOUNTING

Standard method of accounting for production in machinery plants specializing in small lot and individual production. V. Donets. Bukhg. uchet, 20 no. 9, 16-19 S '63.

CAUCASUS, NORTHERN—PEBBLES

Stratigraphic significance of conglomerates with plagiogranite pebbles in Paleozoic layers of the Northern Caucasus. A. M. Demin, S. M. Tropachev. Izv. AN SSSR, Ser. geol., 28 no. 7, 69-79 Jl '63.

CAUCASUS, NORTHERN—POPLAR—DISEASES AND PESTS

Chemical control of the poplar borer Chrysotorrhynchus lapathi. I. S. Kutcev. Les. khoz., 16 no. 9, 50-51 S '63.

THERN—RAILROADS—AUDITING

, Kravchenko. Bukhg. 3

OLUTION, 1917-1921

ith life. K. A. Khaclevskii. -D '63.

AGE

ious tractors in tillage. z., 23 no. 10, 49-52 O

CTORS—ECONOMIC

ious tractors in tillage. z., 23 no. 10, 49-52 O

ER, UNDERGROUND

essure system of the N. Kortsenshtein. Dokl. S '63.

D BORERS—EXTERMINA-

borer Chrysotorrhynchus khoz., 16 no. 9, 50-51 S

CAUSATION

Mustaev, N. A. [Problems of causality in philosophy and biology] Problemy prichinnosti v filosofii i biologii. Alma-Ata, Akad. nauk Kazakhskoi SSR, 1962. 292 p. (MII)

CECUM—TUMORS

Pseudomucinous cyst of the cecum [with summary in English] N. A. Vatrushchenko, A. M. Volkova. Klin. med., 41 no. 7, 96-98 Jl '63.

CEILINGS

Akademiia stroitel'stva i arkhitektury SSSR. Tsentral'nyi nauchno-issledovatel'skii i eksperimental'no-proektnyi institut industrial'nykh zhilykh i massovykh kul'turno-bogatykh zdanii. [Prefabricated floor and ceiling structures] Sbor. I. Sverkhtipovoi industrial'nye konstruktsii. Moskva, Gosstroiizdat, 1963. 71 p. (V pomoshch' krupnopanel'nomu domostroeniiu)

CELLSTITE see subdivision under Ekheagdzor District

CELLOPHANE

Effect of the temperature and of the aggregate state of humidity on the diffusion of water vapor through cellophane. V. V. Tumanov, V. A. Malinov. Khim. prom., no. 8, 602-606 Ap '63.

CELLS

Luminescent microscopic study of normal and tumoral cells fluorochromated with acridine orange at different pH values. L. L. Vorontsova and others. Dokl. AN SSSR, 152 no. 1, 224-226 S '63.

CELLULOSE

Capacity of cotton cellulose for acetylation. D. L. Mirlas, A. I. Kobychkina, R. S. Borshchevich. Plast. massy, no. 11, 63-65 '63.

Composition of semifinished products obtained in the preparation of crystalline glucose from wood [with summary in English on p. 185]. I. F. Pmel'ianov, N. V. Lebedev, K. P. Vashurcheva. Sbor. trud. NIIGS, 11, 166-172 '63.

Effect of the sodium salt of carboxymethylcellulose on the grinding of the pulp and paper properties. N. A. Monchikov, E. A. Terent'ev. Bum. prom., 38 no. 11, 8-10 N '63.

Quantitative microdetermination of carboxyl groups in cellulosic materials by the luminescent method [with summary in English]. L. N. Limolenko, G. N. Chitlova. Zhur. anal. khim., 18 no. 8, 991-998 Ag '63.

CEMENT—PERMEABILITY

Decrease in gas permeability of cement stones when electrolytes are added. Iu. V. Chikhovskii, V. L. Lerikh, S. A. Rebinder. Dokl. AN SSSR, 153 no. 2, 405-407 N '63.

CEMENT—TRANSPORTATION

Vinnik, P. IA., and M. M. Slapak. [Transportation and over-all mechanized reloading of cement in bulk] Opyt perevozki i kompleksno-mekhanizirovannoi peregruzki tsementa nasypiu. Moskva, Izd-vo "Morskoi transport," 1963. 64 p.

CEMENT INDUSTRIES

[Cement industry, its present status and prospects for development] Tsementnaia promyshlennost', sostoianie i perspektivy razvitiia. [By] F. G. Bunit i dr. Moskva, Gosstroiizdat, 1963. 258 p.

CEMENTATION (METALLURGY)

Obtaining vacuum tight joints in low-carbon steel pump pipes. F. IU Ulganson. Avtom. svar., 16 no. 10, 87-89 O '63.

CEMENTS, ADHESIVE

When stones grow together. B. Malevanchik, IA. Natanzon. Znan.-sila, 38 no. 9, 4-6 S '63.

CENTO see Central Treaty Organization

CENTRAL AMERICA—DESCRIPTION AND TRAVEL

A great book about a long voyage. Sergei L'vov. Nov. mir, 38 no. 6, 270-273 Je '62.

CENTRAL ASIA see Asia, Central

CENTRAL ASIA, SOVIET see Soviet Central Asia

CENTRAL CHERNOZEM ECONOMIC REGION—STANDARDIZATION

Standardization at the plants of the Central Chernozem Economic Region. V. Shvedov. Mashinostroitel', no. 10, 39 O '63.

CENTRAL RUSSIAN UPLAND—EROSION

Characteristics of the eroded soils of dissolved sagging karst formations in the southwestern spurs of the Central Russian Upland. A. IA. Antykov. Izv. Vses. geog. ob-va, 95 no. 5, 450-452 S-O '63.

CENTRAL RUSSIAN UPLAND—KARST

Characteristics of the eroded soils of dissolved sagging karst formations in the southwestern spurs of the Central Russian Upland. A. IA. Antykov. Izv. Vses. geog. ob-va, 95 no. 5, 450-452 S-O '63.

CENTRAL TREATY ORGANIZATION

Like a chameleon. . . V. Chastiukhi. Az i Ia, sog., no. 12, 55-56 D '63.

CENTRIFUGAL CASTING

Centrifugal casting of large homogeneous alloy ingots. G. I. Shvandienko, V. D. Gridin, V. N. Dudiazin. Lit. proizv., no. 10, 15 O '63.

Improving the process of centrifugal casting of cast-iron pipes. B. D. Chaikin and others. Mashinostroenie, no. 5, 61-68 S-O '63.

CENTRIFUGAL PUMPS

Theoretical head of centrifugal coal suction pumps. V. S. Lapshev. Trud. VNIIGidrougliia, no. 1, 80-100 '62.

CENTRIFUGES—VIBRATION

NGP-3K-800K centrifugal machine on antivibration mountings. L. Lapshin, D. Poliakova. Prom. stroi. i mekh. sooruzh., 5 no. 5, 27-28 S-O '63.

CEPHALOPODA

Akimushkin, I. I. [Cephalopods of the seas of the U. S. S. R.] Golovonogie mollitski morei SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 233 p.

CEPHEIDS

Using the phase coordination method in determining the radii of four Cepheids [with summary in English] V. S. Popov. Izv. GAO, 24 no. 2, 107-109 '63.

CERAMIC INDUSTRIES—HYGIENIC ASPECTS

Some problems of work hygiene in the loading and unloading of porcelain firing. G. P. Zhirnova, A. P. Oshurko. Trudy Vor. med. inst., 17, 100-101 '62.

CERAMIC MATERIALS

Bogoroditskii, N. P., and V. V. Pasynkov, eds. [Ceramic materials in radio engineering] Radiokeramika. [By] N. P. Bogoroditskii i dr. Moskva, Gosenergoizdat, 1963. 553 p.

CERAMIC MATERIALS—SPECTRA

Electron paramagnetic resonance in ceramics based on Al_2O_3. A. A. Vashman. Zav. lab., 29 no. 11, 1385-1387 '63.

CERAMICS

Effect of small additions of barium, magnesium, and calcium salts on the firing and technical properties of high-alumina bodies. G. N. Dudarov. Trudy MKhTI no. 37, 148-156 '62.

Effect of the addition of elements of the second group on the properties of fired corundum. N. M. Pavlushkin. Trudy MKhTI no. 37, 135-147 '62.

Experimental study of the creation of equipment and the technology of double-layer ceramic blocks. I. Z. Tsarovskii, V. P. Karpanova. Sbor. trud. VNIIstroiindustrii, no. 2, 5-78 '60.

Improve the quality of acidproof ceramics. D. V. Fogel'. Bum. prom., 38 no. 11, 16-18 N '63.

Kinetics of the firing of corundum ceramics with participation of the liquid phase. I. A. Bulavin. Trud. MKhTI no. 37, 123-134 '62.

CEREAL PRODUCTS

Averbukh, V. L., and I. Z. Berlin. [How to protect cereal products against radioactive, chemical substances, and bacterial agents] Kak zashchitit' khleboprodukty ot radioaktivnykh, khimicheskikh veshchestv i bakterial'nykh sredstv. Moskva, TsINTI, 1963. 44 p.

CEREBRAL ARTERIOSCLEROSIS

Clinical aspects and therapy of paralysis agitans and arteriosclerotic parkinsonism. V. V. Kents. Zhurn. Nev. i Psikh., 63 no. 3, 370-374 Mr '63.

CEREBRAL CORTEX

Brain and psychical functions. M. G. Iaroshevskii. Nauch. dokl. vys. shkoly, filos. nauki, 6 no. 4, 123-126 '63.

Changes in the higher nervous system and interneuronal junctions in the cerebral cortex of animals under the effect of SHF. E. A. Lobanova, M. S. Tolgskaia. Trudy Inst. gig. truda i prof. zab. AMN SSSR, no. 1, 69-74 '63.

Ivanov-Smolenskii, A. G. [Objective study of the function and interaction of the cerebral signal systems under normal and pathological conditions] Opyt ob"ektivnogo izucheniia raboty i vzaimodeistviia signal'nykh sistem golovnogo mozga (v norme i patologii). Moskva, Medgiz, 1963. 702 p.

Role of cortical mechanisms in the development of local tetanus. V. A. Kasitadze. Trudy Inst. norm. i pat. fiziol. AMN SSSR, 1, 48-54 '58.

CEREBRAL PALSY

Characteristics of some aspects of phosphorus and nitrogen metabolism in patients with cerebral spastic paralysis. L. I. Volokhonskaia, E. P. Mezhenina. Trudy Ukr. nauch.-issl. inst. ortop. i travm., no. 15, 73-77 '59.

CEREBROVASCULAR DISEASE

Biochemical changes in the blood in disorders of cerebral circulation of a thrombotic nature [with summary in English]. Z. A. Ivanikova. Vrach. delo no. 11 26-30 N '63.

[Multivolume manual on neurology] Mnogotomnoe rukovodstvo po nevrologii. [Leningrad] Medgiz.

Vol. 4 (In two parts. V dvukh chastiakh) [Vascular diseases of the nervous system and diseases of the vegetative nervous system] Sosudistye zabolevaniia nervnoi sistemy i zabolevaniia vegetativnoi nervnoi sistemy. Red. N. K. Bogolepov i V. V. Mikheev [1963] 618 p.

Review of E. V. Shmidt's book "Stenosis and thrombosis of the carotid arteries and disorders of the cerebral blood circulation." A. R. Vinnitskii, D. I. Panchenko. Vrach. delo no. 11:150-151 N '63.

CERIUM SULFIDES—ELECTRIC PROPERTIES

Electrophysical properties of lanthanum and cerium sesquisulfides. G. V. Samsonov, V. I. Marchenko. Dokl. AN SSSR 152 no. 3 671-673 S '63.

CESAREAN SECTION

New variant of suture in cesarean section with transverse incision of the lower segment of the uterus. E. Menias. Akush. i gin. 39 no. 4 114 Jl-Ag '63.

CESIUM

Adsorption energy of cesium ions on a metal surface. S. IA. Lebedev, IU. IA. Stavisskii. Zhur. tekh. fiz. 33 no. 12 1474-1477 D '63.

Determination of ion exchange constants based on the practice of chromatographic analysis. Report No. 1 Determination of the constant of the cesium exchange on a KU-2 sulfo-cation exchanger [with summary in English] G. M. Kolesova, M. M. Senyavin. Zhur. anal. khim. 18 no. 10 1178-1183 O '63.

Surface ionization of cesium as its vapors diffuse through porous nickel S. IA. Lebedev, IU. IA. Stavisskii. Zhur. tekh. fiz. 33 no. 12 1473-1474 D '63.

CESIUM—ELECTRIC PROPERTIES

Electric breakdown in cesium vapor. M. A. Lebedev, IU. K. Gus'kov. Zhur. tekh. fiz. 33 no. 12 1462-1463 D '63.

CESKE STREDOHORI—MOISSANITE

Moissanite from the České Středohoří. IA. Bauer, IU. Fiala, R. Grzhikhova. Izv. AN SSSR, Ser. geol. 28 no. 7:54-66 Jl '63.

CEYLON—RELATIONS (GENERAL) WITH RUSSIA

The power of kindness, prosperity, and abundance. V. Perera. Vest. sviazi 22 no. 11, 30-31 N '62.

CHAIN SAWS

Reducing the pushing strength in chain saws. M. I Bel'mach. Trudy STI no. 32, 12-26 '62.

CHALCOGENS

Tin chalcogen chlorides. S. S. Batsanov, N. A. Shestakova, L. A. Khripin. Dokl. AN SSSR 152 no. 3 606-606 S '63.

CHAMBER MUSIC—HISTORY AND CRITICISM

Raaben, L. N. [Soviet instrumental chamber music] Sovetskaia kamerno-instrumental'naia muzyka. Leningrad, Muzgiz, 1963. 339 p.

CHAMPAGNE (WINE)

Effect of the technological processing on the foam-building capacity of wine materials for making champagne and of champagne. V. M. Loza, A. A. Merzhanian. Izv. vys. ucheb. zav., pishch. tekh. no. 5:92-97 '63.

CHAMZINKA DISTRICT—COMMUNITY CENTERS

A correct estimate. V. Kabaev. Komsom. zhizn' no. 18 20 S '63.

CHANY, LAKE—FISHERIES

Fishermen. V. Kornev. Sov. potreb. koop. 7 no 10 30 O '63.

CHAROPHYTA, FOSSIL

First colloquium on the study of fossil charophytes. Geol. zhur. 23 no. 3, 110-111 '63.

CHECHEN LANGUAGE—DICTIONARIES—RUSSIAN

Grozny. Checheno-ingushskii nauchno-issledovatel'skii institut iazyka i istorii. [Chechen-Ingush-Russian dictionary] Chechensko-ingushsko-russkii slovar'. Sost. A. G. Matsiev i dr. Groznyi, Checheno-ingushskoe knizhnoe izd-vo, 1962. 197 p.

CHECKERS

Checkers. Belarus' 20 no. 9:32 S '63.

From the history of games in Russia. G. F. Korzukhina. Sov. arkheol. 7 no. 4:85-102 '63.

CHEEK

Physiological regeneration of the mucous membrane of the cheek in some mammals in connection with food intake. A. B. Kalneniek, G. S. Uspenskaia. Teor. i prak. stom. no. 5:66-74 '61.

CHEKHOV, ANTON PAVLOVICH, 1860-1904

G. Bérdnikov's monograph "A. P. Chekhov." V. Manuilov. Zvezda no. 5:212 My '62.

Perm. Universitet [Works of A. P. Chekhov; jubilee volume of "Uchenye zapiski" issued by the Philology Department] Tvorchestvo A. P. Chekhova; iubilеinyi vypusk "Uchenykh zapisok" filologicheskogo fakul'teta Permi', 1961. 181 p.

CHELEKEN—TURKMEN—FUNERAL RITES AND CEREMONIES

Funeral rites of the Turkmen in Cheleken. Sh. Annakly-chev. Trudy Inst. ist., arkheol. i etn. AN Turk. 7 165-171 '63.

CHELYABINSK—INDUSTRIAL MANAGEMENT

Behind the rows of average figures. E. Tretiiakov. Meat. prom. i khud. promys. 3 no. 9 8-13 S '62.

CHELYABINSK—IRON AND STEEL WORKERS—EDUCATION AND TRAINING

How to plan craftsmanship. N. Miroshnichenko, IU. Vasil'ev. Smena 40 no. 17:3 S '63.

CHELYABINSK—METALLURGICAL LABORATORIES

Use of the FES-1 photoelectric flaw detector at the Chelyabinsk Metallurgical Plant. G. A. Subbotina, I. P. Manchosov. Zav. lab. 29 no. 11:1395-1396 '63.

CHELYABINSK—PIPE MILLS

Everything continues in the old way; an annotated letter. P. Asanov and others. Part. zhizn' no 23, 15-17 D '63.

CHELYABINSK—RAILROADS—SNOW PROTECTION AND REMOVAL

Fighting the elements. R. V. Kolomyttseva. Put' i put. khoz. 7 no. 11, 25-27 '63.

CHELYABINSK—TECHNOLOGICAL INNOVATIONS

Voluntary design bureau is a starting-off place for success. A. Lokotkov. Izobr. i rats. no. 11:37 '63.

CHELYABINSK BASIN—PETROLEUM GEOLOGY

Tectonics of the Chelyabinsk coal-bearing basin and its oil potential. V. S. Bochkarev. Trudy Inst. geol. UFAN SSSR no. 63 113-139 '62.

CHELYABINSK PROVINCE—AGRICULTURE—ECONOMIC ASPECTS

Akademiia nauk SSSR. Ural'skii filial, Sverdlovsk. Otdel ekonomicheskikh issledovanii. Distribution and specialization of agriculture in Chelyabinsk Province] Razmeshchenie i spetsializatsiia sel'skogo khoziaistva Cheliabinskoi oblasti. Sverdlovsk, Akad. nauk SSSR, 1963. 204 p.

CHELYABINSK PROVINCE—PETROLEUM GEOLOGY

Riddle of the Chelyabinsk graben. G. Rudakov. IUn. tekh. 8 no. 11:20 N '63.

CHELYABINSK REGION—REGIONAL PLANNING

Population distribution in Chelyabinsk Industrial District. A. Slonimskii. Arkhit. SSSR no. 1:28-29 '62.

CHEMICAL APPARATUS

Valuable apparatus for rural schools. O. Smirnova. Nar. obr. no. 9:66 S '63.

CHEMICAL BONDS

Experimental determination of the binding energy of complexes in compounds with conjugate bonds. R. M. Fofonova. Izv. vys. ucheb. zav., fiz. no. 3, 84-88 '63.

On some schemes for calculating the energy differences of rotational isomers [with summary in English]. IU. A. Pentin. Zhur. fiz. khim. 37 no. 9:2106-2113 S '63.

Shustorovich, E. M. [Nature of chemical bonds] Priroda khimicheskoi sviazi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 134 p. (Nauchno-populiarnaia serifa).

CHEMICAL COMPOUNDS—THERMODYNAMICS

Atomic entropy of the formation of inorganic substances at high temperatures. V. A. Kireev. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5, 751-753 '63.

CHEMICAL ELEMENTS—BIBLIOGRAPHY see Bibliography—Chemical elements

CHEMICAL ENGINEERING

Application of linear programming methods to the solution of problems of the theory of recycling processes in chemical technology. M. F. Naglev, P. V. Karamzin, T. M. Mirdzhafarova. Azerb. khim. zhur. no. 3:85-92 '62.

"Big chemistry" and electronics. M. Likhachev. Radio no. 11:3 N '63.

CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES

[Chemical and refrigeration machinery manufacture] Ref. zhur.: Khim. i khol. mashinostr. no. 12 D '63; no. 1 Ja '64.

CHEMICAL ENGINEERING—STUDY AND TEACHING

Knowledge of chemistry must be made accessible to the masses. V. Zaichikov. Part. zhizn' no. 1:52-57 Ja '64.

Let's concentrate the efforts of scientists on the urgent problems of chemistry; comments by instructors of the Moscow Institute of Chemical Machinery. D. T. Kokorev and others. Vest. vys. shkoly 21 no. 11:26-32 N '63.

CHEMICAL INDUSTRIES

(see also subdivision under Altai Territory, Armenia, Crimea, Donets Economic region, Donets Province; Europe, Western; Gorlovka, Kazan, Kirovakan, Moscow Province; Novomoskovsk, Tula Province; Omsk Province; Salavat; Sumgait, Tula Province; United States, White Russia)

Automation of the chemical industries. M. Fedorovich. Kommunist 40 no. 15, 79-84 N '63.

Construction and peace. Nov. vrem 21 no. 51:1-2 D '63.

An important stage in the development of the country's economy Part. zhizn' no. 24 3-7 D '63.

Influence of the structure of industrial production on the correlation between capital assets and the industrial production of the U. S. S. R IU. M. Kanygin. Vest. Mosk. un. Ser. 5: Ekon., filos. 18 no. 6 27-37 N-D '63.

Khrushchev, N. S. [Accelerated development of the chemical industry is the most important condition for increasing agricultural production and the growth of people's prosperity, report and concluding speech at the Plenum of the Central Committee of the CPSU on December 9th and 13th, 1963] Uskorennoe razvitie khimicheskoi promyshlennosti — vazhneishee uslovie pod"ema sel'skokhoziaistvennogo proizvodstva i rosta blagosostoianiia naroda, doklad i zakliuchitel'noe slovo na Plenume TsK KPSS 9 i 13 dekabria 1963 goda. Moskva, Politizdat, 1963. 125 p.

Kommunisticheskaia partiia Sovetskogo Soiuza. TSentral'nyi komitet. Plenum. [Accelerated development of the chemical industry is the most important condition for increasing agricultural production and the growth of people's prosperity, resolution of the Plenum of the Central Committee of the CPSU based on the report of comrade N. S. Khrushchev, approved unanimously on December 13, 1963] Uskorennoe razvitie khimicheskoi promyshlennosti — vazhneishee uslovie pod"ema sel'skokhoziaistvennogo proizvodstva i rosta blagosostoianiia naroda, postanovlenie Plenuma TsK KPSS po dokladu tovarishcha N. S. Khrushcheva, priniatoe edinoglasno 13 dekabria 1963 goda. Moskva, Izd-vo polit. lit-ry, 1963. 29 p.

Kropotov, A. I. [Photocell pickups in control equipment of chemical industries] Fotoelementy - datchiki v priborakh kontrolia khimicheskikh proizvodstv. Leningrad, 1963 19 p (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Pribory i elementy avtomatiki, no. 19)

Navigators of the new era. L. Bobrov. Mol. komm. no. 9:71-75 S '63.

Principal task of the present day. S. Sabrukov. Part. zhizn' Kazakh. 33 no. 11:8-11 N '63.

Raise the efficiency of production persistently. Agitator no. 22, 3-5 N '63.

Refractories industry workers contribute to the expansion of chemical industries. Z. B. Pasternak, V. N. Pirogov. Ogneupory 28 no. 12:535-536 '63.

Specially important. B. Efimov. Sov. pech. no. 11:14-17 N '63.

This is a concern of the whole nation. Nov. vrem. 21 no. 50:1-3 D '63.

Vibrational losses in continuous chemical manufactures. B. I. Mordkovich. Khim. prom. no. 8, 613-615 Ag '63.

CHEMICAL INDUSTRIES—CONGRESSES

Brief news. Khim. prom. no. 9:713 S '63.

CHEMICAL INDUSTRIES—COSTS

Classification and distribution of expenditures in chemical enterprises. E. Gol'dshtein. Bukhg. uchet 20 no. 5:21-26 My '63.

CHEMICAL INDUSTRIES—EXHIBITIONS

An excursion into the world of chemistry; a report on the Exhibition of the Achievements of the National Economy. R. Sukhanovskaia, B. Revskii. Agitator no. 22:42-45 N '63.

CHEMICAL INDUSTRIES—HYGIENE ASPECTS see subdivision under Saratov

CHEMICAL INDUSTRIES—PRODUCTION STANDARDS see subdivision under Armenia

CHEMICAL KINETICS see Chemical reaction, Rate of

CHEMICAL MACHINERY INDUSTRY—MANAGEMENT see subdivision under Chirchik

CHEMICAL MODELS

Inorganic high polymers and new physical methods for their study. V. V. Tarasov. Trudy MKHTI no. 37:11-31 '62.

CHEMICAL PLANTS see subdivision under Nevinnomyssk; Cholding

CHEMICAL PLANTS—DESIGN AND CONSTRUCTION see subdivision under Karabogazgol (Turkmenistan); Khibiny; Krasnouralsk (Sverdlovsk Province); Voskresensk (Moscow Province)

CHEMICAL PLANTS—FIRES AND FIRE PREVENTION

In foreign countries. Pozh. delo 9 no. 10 31 O '63.

"Terylene" film. V. Mikhailov. Pozh. delo 9 no. 10-9 O '63

CHEMICAL REACTION, HEAT OF

Dependence of the magnitude of heat emission on the extent and selectivity of the sulfonation reaction. I. G. Reznikov. Trudy NIISZHIMSa no. 3 5-9 O '63.

Principle of the maximum in determining the optimum conditions of exothermic processes. Yu. M. Volin, G. M. Ostrovskii, M. G. Slin'ko. Kin. i kat. 4 no. 5 760-767 S-O '63.

CHEMICAL REACTION, RATE OF

Calculation of the activation energy of radical reactions based on the additivity principle. I. B. Mom. Dokl. AN SSSR 152 no. 5 1169-1172 O '63.

Kinetics and the mechanism of 1, 1-diphenylethylene dimerization in aqueous sulfuric acid. Part 2. Kinetic regularities and the reaction mechanism. S. G. Entelis, K. S. Kazanskii. Kin. i kat. 4 no. 5 713-722 S-O '63.

Kinetics of heterogeneous catalytic reactions carried out under pulse-chromatographic operating conditions of ideal linear chromatography. G. A. Gaziev, V. Yu. Filinovskii, M. I. IAnovskii. Kin. i kat. 4 no. 5 688-697 S-O '63.

Kinetics of the thermal decomposition of methane by a single-pulse shock tube [with summary in English]. G. I. Kozlov, V. G. Knorre. Zhur. fiz. khim. 37 no. 9: 2082-2086 S '63.

CHEMICAL REACTORS

Determination of the linear turbulent diffusion coefficient in a flow-type bubbling column under unsteady conditions. V. V. Dil'man, M. B. Aizenbud, T. A. Zhilinaeva. Khim. prom. no. 9, 705-707 S '63.

Principle of the maximum in determining the optimum conditions of exothermic processes. Yu. M. Volin, G. M. Ostrovskii, M. G. Slin'ko. Kin. i kat. 4 no. 5 760-767 S-O '63.

CHEMICAL REDUCTION see Reduction, Chemical

CHEMICAL STRUCTURE

Investigating the physicochemical properties of sodium and potassium silicates in connection with their structure. M. A. Matveev, A. I. Rabukhin. Trudy MKHTI no. 37, 32-43 '62.

Polymeric structure of inorganic glass. A. V. Gladkov. Trudy MKHTI no. 37 58-63 '62.

Use of nuclear quadrupole resonance for physicochemical analysis. V. S. Grechishkin, I. A. Kiuntsel', G. B. Soifer. Zav. lab. 29 no. 11 1310-1315 '63.

CHEMICAL WARFARE

In a contaminated sector. V. Konovalov, M. Kharin. Voen. vest. 43 no. 10, 56-59 O '63.

Vyshivkina, A. S. [Mutual assistance of the population in the use of chemical weapons (poisonous substances)] Vzaimopomoshch naseleniia pri primenenii khimicheskogo oruzhiia (otravliaiushchikh veshchestv) Moskva, Medgiz, 1963. 71 p.

CHEMICAL WARFARE—SAFETY MEASURES see subdivision under Netherlands

CHEMICAL WORKERS—DISEASES AND HYGIENE

Prevention of and first aid in chemical burns. D. M. TSerentsian. Med. sestra 22 no. 10, 19-20 O '63.

CHEMICAL WORKERS—EDUCATION AND TRAINING (see also subdivision under Dzerzhinsk, Gorkiy Province)

In the chemical technical schools of the country. Sred. spets. obr. 10 no. 11, 61 N '63.

In the Dzerzhinsk Chemical Technical School. Sred. spets. obr. 10 no. 11 12-13 N '63.

Let's not rest on our achievements. A. IA. Abezgauz. Sred. spets. obr. 10 no. 11, 2-6 N '63.

Major chemical industrial complexes should have qualified personnel. M. Vedernikov, M. Prizhko, V. Kobazev. Prof.-tekh. obr. 20 no. 10 12 O '63.

Much work lies ahead. Sred. spets. obr. 10 no. 11 11 N '63.

We are growing, say our chemists. Sred. spets. obr. 10 no. 11, 7-9 N '63.

We are training personnel for major chemical industrial complexes. Sred. spets. obr. 10 no. 11 10-11 N '63.

CHEMICALS

New kinds of containers made of worn tire casings for the packing of chemicals. A. B. Derevicher, I. P. Pishchulin. Khim. prom. no. 8, 626-628 Ag '63.

CHEMISTRY

Akademiia nauk SSSR. [As seen by a scientist; From the Earth to the galaxies, To the atomic nucleus, From the atom to the molecule, From the molecule to the organism] Glazami uchenogo: Ot Zemli do galaktik, K iadru atoma, Ot atoma do molekuly, Ot molekuly do organizma. Moskva, Izd-vo Akad. nauk SSSR, 1963. 736 p.

Let's call upon the collective for big deeds; from the pages of college newspapers. Vest. vys. shkoly 21 no. 11 33-35 N '63.

Nekrasov, B. V. [General chemistry textbook] Uchebnik obshchei khimii. Izd. 2. Moskva, Goskhimizdat, 1963. 495 p.

CHEMISTRY—ABSTRACTS

[Chemistry] Ref. zhur.: Khim. no. 18 S '63. Predmetnyi ukazatel' za 1961 g. vols. 1-2 '63

CHEMISTRY—BIBLIOGRAPHY see Bibliography—Chemistry

CHEMISTRY—DICTIONARIES

Batyr, D. G., comp. [Russian-Moldavian chemical dictionary] Russko-moldavskii khimicheskii slovar'. Kishinev, Gos. izd-vo "Kartia moldoveniaske," 1933. 353 p.

CHEMISTRY—HANDBOOKS, MANUALS, ETC.

Shilov, IU. M., and M. I. Tarasenko. [General chemistry] Obshchaia khimiia. Moskva, Medgiz, 1963. 367 p.

CHEMISTRY—STUDY AND TEACHING

Chemistry is needed everywhere. T. I. Moldavan. Vest. vys. shkoly 21 no. 11 16-17 N '63.

Future agriculturists and chemistry. M. M. Bykov. Vest. vys. shkoly 21 no. 11 10-12 N '63.

In the interests of the development of the chemical fiber industry. Z. A. Rogovin. Vest. vys. shkoly. 21 no. 11: 8-10 N '63.

Let's increase the contribution of institutions of higher learning to the development of chemistry. M. A. Prokof'ev. Vest. vys. shkoly 21 no. 11:3-7 N '63

Readers discuss; Let's raise the chemical knowledge level of specialists. G. A. Dmitriev, M. A. Menkovskii, V. I. Semishin. Vest. vys. shkoly 21 no. 11:36-39 N '63.

This is necessary for a thorough study of chemistry. E. I. Krech. Vest. vys. shkoly 21 no. 11:14-16 N '63.

CHEMISTRY, ANALYTICAL
(see also subdivision under Armenia)

Akademiia nauk Uzbekskoi SSR, Tashkent. Otdelenie khimicheskikh nauk. [Problems of the chemical technology and physicochemical analysis of inorganic systems] Nekotorye voprosy khimicheskoi tekhnologii i fiziko-khimicheskogo analiza neorganicheskikh sistem. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 265 p.

Chemico-analytical properties of N-furoylphenylhydroxylamine. A. T. Pilipenko, E. A. Shpak, P. P. Ruban. Ukr. khim. zhur. 29 no. 11:1208-1214 '63

Kolesnikov, A. L. [Technical analysis of products obtained in basic organic synthesis] Tekhnicheskii analiz produktov proizvodstva osnovnogo organicheskogo sinteza, uchebno-metodicheskoe posobie. [Iaroslavl'] Rosvuzizdat, 1963. 117 p.

Methods of concentration in analytical chemistry. Zav. lab. 29 no. 11:1279-1280 '63.

Moscow seminar on analytical chemistry. IU. M. Dedkov. Zhur. anal. khim. 18 no. 10 1280 O '63.

Review of O. Samuelson's book "Ion exchange separations in analytical chemistry." Zhur. anal. khim. 18 no. 8. 1031-1032 Ag '63.

CHEMISTRY, ANALYTICAL—CONGRESSES

Conference on the methods for concentrating elements in analytical chemistry. IU. M. Dedkov. Zav. lab. 29 no. 11:1399-1400 '63.

CHEMISTRY, ANALYTICAL—LABORATORY MANUALS

Rudoi, B. Z., and others. [Manual for laboratory work in inorganic and analytical chemistry] Rukovodstvo k prakticheskim zaniatiiam po kursu neorganicheskoi i analiticheskoi khimii. Pod red. B. Z. Rudogo. Riazan', Riazanskii med. in-t im. akad. I. P. Pavlova, 1963. 158 p.

CHEMISTRY, ANALYTICAL—QUANTITATIVE

Excitation of spectra in the universal method of quantitative determination of elements [with summary in English]. N. B. Kubasova, G. I. Kibisov. Zhur. anal. khim. 18 no. 10:1184-1191 O '63.

CHEMISTRY, ANALYTICAL—STUDY AND TEACHING

Let's improve practical training on the physicochemical methods of analysis. V. B. Aleskovskii, I. A. Kedrinskii, S. M. Efros. Vest. vys. shkoly 21 no. 11:40-41 N '63.

Responding to the appeal of the progressive workers of industry. V. P. Vasil'ev. Vest. vys. shkoly 21 no. 11: 32-33 N '63.

CHEMISTRY, FORENSIC

New material for preserving and taking the impression of footmarks left on a sandy surface. V. Sorokin. Sots. zakon. 40 no. 10:65 O '63.

CHEMISTRY, INORGANIC

On a bookshelf: Future agriculturists have their own textbook on inorganic chemistry. I. E. Laskin and others. Vest. vys. shkoly 21 no. 11:44-48 N '63.

CHEMISTRY, INORGANIC—LABORATORY MANUALS

Rudoi, B. Z., and others. [Manual for laboratory work in inorganic and analytical chemistry] Rukovodstvo k prakticheskim zaniatiiam po kursu neorganicheskoi i analiticheskoi khimii. Pod red. B. Z. Rudogo. Riazan', Riazanskii med. in-t im. akad. I. P. Pavlova, 1963. 158 p.

CHEMISTRY, LEGAL see Chemistry, Forensic

CHEMISTRY, MEDICAL AND PHARMACEUTICAL

Khaletskii, A. M. [Pharmaceutical chemistry; inorganic compounds] Farmatsevticheskaia khimiia, neorganicheskie soedineniia, uchebnoe posobie dlia studentov-zaochnikov. Leningrad, Leningradskii khimiko-farmatsevticheskii institut, 1963. 126 p. (DNLM)

CHEMISTRY, ORGANIC—SYNTHESIS

Kolesnikov, A. L. [Technical analysis of products obtained in basic organic synthesis] Tekhnicheskii analiz produktov proizvodstva osnovnogo organicheskogo sinteza, uchebno-metodicheskoe posobie. [Iaroslavl'] Rosvuzizdat, 1963. 117 p.

Let's teach students to use scientifically valid techniques. K. A. Cherviniskii. Vest. vys. shkoly 21 no. 11, 12-13 N '63.

Synthetic cyclopentylaryl ketones. A. N. Nilazov, E. S. Khabaeva. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1 103-106 '62.

CHEMISTRY, PHYSICAL AND THEORETICAL

Concept of electronegativity of atoms. Part 4. Consideration of semitheoretical and theoretical methods of determining the electronegativity values [with summary in English]. V. P. Spiridonov, V. M. Tatevskii. Zhur. fiz. khim. 37 no. 9, 1973-1978 S '63.

"Physical chemistry" by A. A. Zhukhovitskii, L. A. Shvartsman. Reviewed by R. N. Rubinshtein. Zav. lab. 29 no. 11 1402 '63.

CHEMISTRY, TECHNICAL

Akademiia nauk Uzbekskoi SSR, Tashkent. Otdelenie khimicheskikh nauk. [Problems of the chemical technology and physicochemical analysis of inorganic systems] Nekotorye voprosy khimicheskoi tekhnologii i fiziko-khimicheskogo analiza neorganicheskikh sistem. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 265 p.

Chemical products from coking for the "big chemistry." Koks i khim. no. 11 3-6 '63.

Chemistry in the oils and fats industry. A. L. Markman. Masl.-zhir. prom. 29 no. 11 1-8 N '63.

"Chemization" of the manufacture of detergents. Masl.-zhir. prom. 29 no. 11 1-4 N '63.

CHEMISTRY, TECHNICAL—LABORATORY MANUALS

Skliar, M. G., and IU. B. Tkhilunnikov. [Laboratory practice in the chemistry of solid fuels] Laboratornaia praktika po khimii tverdykh goriuchikh iskopaemykh. Pod red. L. L. Nesterenko. Khar'kov, Izd-vo Khar'kovskogo univ., 1962. 104 p.

CHEMOTHERAPY

Combined hormone and chemotherapy and radiotherapy of far advanced breast cancer [with summary in English]. L. IU. Dymarskii and others. Vop. onk. 9 no. 7 14-52 '63.

Immediate results of treatment of tuberculous genitals by the combined method consisting of synovectomy and antibacterial therapy. I. I. Tal'ko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 287-292 '59.

Limitations of chemotherapy in pulmonary tuberculosis and indications for surgical treatment [with summary in French]. N. A. Shmelev. Probl. tub. 40 no. 1 23-28 '62.

Thyroid gland tuberculosis. I. A. Petukhov. Vest. khir. 91 no. 7 70-72 Jl '63.

Treatment of obliterating endarteritis and obliterating atherosclerosis by a compound conservative method [with summary in English]. L. V. Belavin. Khirurgiia 39 no. 8 125-127 Jl '63.

Use of some chemotherapeutic preparations in treating malignant tumors and systemic diseases [with summary in English]. M. A. Ziv, K. A. Pavlov. Trudy Inst. onk. AMN SSSR. no. 3 158-160 '60.

CHEREMSHYNA, MARKO, pseud. see Semaniuk, Ivan Iurilovych, 1874-1927

CHERENKOV RADIATION

Cherenkov gas counters. A. S. Vovenko and others. Usp. fiz. nauk 81 no. 3 453-506 N '63.

Radiation from a charged particle moving in a dielectric layer. L. G. Naryshkina. Zhur. tekh. fiz. 33 no. 11: 1318-1322 N '63.

CHEREPANOVO DISTRICT—STATE FARMS—MANAGEMENT

They don't take care of public property. I. A. Khaisenyuk. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10 2-4 O '63.

CHEREPOVETS—IRON AND STEEL WORKERS

On the thresholds of fire. K. Aristarkhov. Volog. kraI no. 3 91-96 '62.

CHERKASSY DISTRICT—VILLAGES
Village by the sea. Oleksandr Matiiko. Ukraina no. 22-3 My '64.

CHERNIGOV—UKRAINIAN LANGUAGE—STUDY AND TEACHING
Working on the unification of methods. M. I. Dashuk. Inos. movy i lit. v shkoli 13 no. 5 32-35 Jl '63.

CHERNOVTSY—COMMUNITY CENTERS
Cultural lights of a "palace." Ponys Sylin. Ukraina no. 22-24 My '62.

CHERNOVTSY PROVINCE see Bukovina

CHERNOZEM SOILS
(see also subdivision under Bashkiria; Penza Province, Volga Valley)
Features of the group composition of phosphates in Chernozem soils in connection with temporary reduction processes in them. I. S. Kaurichev, E. P. Andrianskaia. Pochvovedenie no. 12 21-29 D '62.

CHESS
Chess. A. Baturin, P. Reznitskii. Sov. voin 15 no. 19-20 O '63.
Chess. A. Baturin. Sov. voin 43 no. 14-16 Jl '63.
Chess. I. A. Kan. Voen. vest. 43 no. 10:127-128 O '63.
Chess. I. A. Kan. Voen. vest. 43 no. 11:120 N '63.
Chess. R. Malinovskii and others. Sov. voin 15 no. 12: ill Je '63.
Chess. Sov. voin. 45 no. 22:16 N '63.
Chess. V. Lublinskii. Kul't. i zhizn' 7 no. 11:47 '63.
Kapelman, L. I. [For the world crown; notes of a world champion] Za mirovuiu koronu; zapysky chempiona svitu. Kyiv, Molod', 1963. 150 p.

CHESS—OPENINGS
Sokol'skii, A. P. [Opening 1. b2-b4 (Sokol'skii's opening)] Debiut 1. b2-b4 (debiut Sokol'skogo). Minsk, Gos. izd-vo BSSR, 1963. 210 p.

CHESS—TOURNAMENTS
Koblents, A. [Along the roads of chess tournaments; from a trainer's notebook] Dorogami shakhmatnykh srazhenii, iz dnevnika trenera. Riga, Latvijskoe gos. izd-vo, 1963. 104 p.
Seventh round of chess tournament. O. Poltak. Nauka i zhyttia 13 no. 10:63 N '63.
We fight our tournament. Znan. ta pratsia no. 10:30 '63.

CHESS PROBLEMS
Chess poetry. A. Iglitskii. Nov mir 38 no. 6:275-277 Je '62.

CHEST—DISEASES
Roentgenological picture of leukemic changes in the lungs, pleura and thoracic lymph nodes in acute (subacute) leukemia [with summary in English]. O. A. Tsukerman. Vest. rent. i rad. 38 no. 5:26-30 S-O '63.

CHEST—RADIOGRAPHY
Comparative diagnostic value of small three-film fluorography and roentgenoscopy for the detection of pathological changes in the lungs [with summary in English]. F. F. Tolichko. Vest. rent. i rad. 38 no. 5:37-40 S-O '63.
Result of a fluorographic examination of the workers of the Odessa Railway and the members of their families [with summary in English]. A. I. Lubarskii-Zaika. Klin. med. 40 no. 11:110-112 N '62.
Roentgenogram of the thorax in oblique projection at a 30° angle. L. I. Ulkulin. Vest. rent. i rad. 38 no. 5: 66-67 S-O '63.
Roentgenological picture of leukemic changes in the lungs, pleura and thoracic lymph nodes in acute (subacute) leukemia [with summary in English]. O. A. Tsukerman. Vest. rent. i rad. 38 no. 5:26-30 S-O '63.
Study of the external respiratory function by tomography in pulmonary tuberculosis [with summary in English]. I. N. Maslennikova. Vest. rent. i rad. 38 no. 5:22-26 S-O '63.

CHEST—SURGERY
Contemporary tactics of pediatricians and surgeons in treating empyema in children. I. P. Bakulin, J. K. Gavrjusev. Pediatriia 41 no. 7:38-40 Jl '63.
Experience in the use of polyvinol in thoracic surgery [with summary in English]. V. M. Tavrovskii, N. V. Shentakov. Vest. khir. 90 no. 6:14-18 Je '63.
Function of the adrenal cortex in surgery of the thoracic organs under automatically controlled anesthesia [with summary in English]. Iu. N. Shanin, A. T. Pulatov, M. V. Ilfrechenko. Vest. khir. 90 no. 6:109-113 Je '63.
Indications for extensive thoracoplasty in tuberculosis pleural empyema [with summary in French]. S. A. Gavrilov. Probl. tub. 40 no. 6:43-48 '62.

CHEKHACHEV, PLATON ALEKSANDROVICH, 1812-1892
The traveler Platon Chikhachev; on the 150th anniversary of his birth. O. Chistovskii. Izv. Vses. geog. ob-va 95 no. 5:455-456 S-O '63.

CHILD STUDY
Communication among children of different ages in combined children's institutions. V. G. Nechaeva. Sov. pedag. 27 no. 9 56-62 S '63.
Creative research on the problems of the development of psyche. N. I. Zhinkin. Sov. pedag. 27 no. 6 136-142 S '63.
Oral stimulation of students' muscle movement. M. I. Stankin. Sov. pedag. 27 no. 9:71-78 S '63.
Psychological basis for an individual approach to young boys and girls. A. P. Krakovskii. Sov. pedag. 27 no. 11:54-59 N '63.
Training senior students to love occupations. V. S. Pavliuchenkov, I. M. Palei. Sov. pedag. 27 no. 9 49-55 S '63.

CHILDREN
(see also subdivision under Moscow)
Good heart. V. Sukhomlinskii. Ogonek 41 no. 42:4-5 O '63.

CHILDREN—CARE AND HYGIENE
(see also subdivision under Voronezh)
Ambros, Maria. [Education of children through the eyes of a physician] Lastekasvatusest arsti pilguga. Tallinn, Eesti Riiklik Kirjastus, 1963. 191 p. [In Estonian] (DNLM)
Korrigina, M. D., ed. [Nurse-teacher for day nurseries and for the younger groups in kindergartens] Sestra-vospitatel'nitsa detskikh iaslei i mladshikh grupp iasli-sadov. Moskva, Medgiz, 1963. 547 p. (DNLM)
Medical observations of the state of health of boarding school children. T. A. Tretilova. Probl. fiz. sporta no. 2:259-260 '61.
Protect the sleep of your children. N. Kallazhyn. Rab. i sial. 39 no. 10:13 O '63.

CHILDREN—DISEASES
Changes in the bone structure in certain children's diseases; 1st report on leukemia. G. B. Fomin. Vop. klin. pat. no. 2:236-243 '61.
Errors in the early diagnosis of tuberculous meningitis in children. O. I. Kondratenko. Pediatriia 41 no. 7:17-20 Jl '63.
Kriendler, A., Crighel, E., and I. Stoica. [Epilepsy in children. Translated from the Rumanian] Detskaia epilepsiia. Bucharest, Izd-vo Akad. Rumynskoi Narodnoi Respubliki, 1963. 269 p. (DNLM)
Reviews. Pediatriia 41 no. 7:83-84 Jl '63.
Some data on electrophoretic study of blood protein fractions in children with tuberculosis [with summary in English]. N. IA. Rodionova. Pediatriia 41 no. 7:8-11 Jl '63.
Some neurohumoral reactivity indices in various forms of tuberculosis in young children [with summary in English]. E. V. Sereda, T. S. Krasovina. Pediatriia 41 no. 7:3-7 Jl '63.
Volovik, A. B. [Heart diseases in children] Bolezni serdtsa u detei. Leningrad, Medgiz, 1963. 44 p. (Nauchno-populiarnaia meditsinskaia biblioteka) (DNLM)

CHILDREN—EMPLOYMENT
The work of adolescents in the U. S. S. R. V. Mitin. Sots. zakon. 40 no. 9:86-88 S '63.

CHILDREN—LANGUAGE
Children's speech. V. I. Seliverstov. Zdorov'e 9 no. 10:14-15 O '63.

CHILDREN—LAW
Judicial practice in civil law cases concerning the rearing of children. N. Sergeeva. Sov. iust. no. 18 4-7 S '63.

CHILDREN—MANAGEMENT
Continuity in educational work. B. V. Borisov. Sov. pedag. 27 no. 10:46-49 O '63.
Development of independent activity in a class collective. N. IA. Skomorokhov. Sov. pedag. 27 no. 10:38-45 O '63.
Forming a children's collective in play. L. Martynova. Doshk. vykh. no. 11:18-21 N '63.
Friendship among children. N. Ethes. Rab. i sial. 39 no. 10:21 O '63.
How you should encourage and praise your children. I. Stelapanava. Rab. i sial. 39 no. 11 18-19 N '63.
Klara Zetkin on discipline and training in public behavior. V. M. Kiarin. Sov. pedag. 27 no. 11:77-83 N '63.
Knowledge of your class is a guarantee of educational success. IA. Turbovskoi. Nar. obr. no. 12:73-76 D '63.
Krievskii, B. P. [School beyond the Arctic circle] Shkola v Zapoliar'e. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. XI Seriia: Pedagogika, no. 18)
Let's fuse training and education into a unified flow. R. G. Lemberg. Sov. pedag. 27 no. 11:11-22 N '63.
Pedagogical tact. L. V. Plaksina. Sov. pedag. 27 no. 11: 48-53 N '63.
To make a man grow. . . IA. Simkin. Prof.-tekh. obr. 20 no. 10:6-8 O '63.
Training in positive relations among children in role enacting play. V. Belbat. Doshk. vykh. no. 11 12-17 N '63.
Training of children in mobile play. L. Babylova. Doshk. vykh. no. 11 26-29 N '63.
When a word enlightens. A. Leshin. Nar. obr. no. 9. insert 16 p. S '63.
Zhuban, L. M. [Difficult children] Trudnye deti. Leningrad, Ob-vo "Znanie" RSFSR, 1963. 50 p.

CHILDREN—NUTRITION
Babko, I. M. [Milk formulas for the feeding of young children] Molochni sumishi dlia vyhodovuvannia ditei rann'ogo viku. Vyd. 2, pereroblene i dop. Kyiv, Derzhmedvydav URSR, 1963. 43 p. (DNLM)

CHILDREN'S CLOTHING
Beliaeva, I. N., and N. N. Vladimirov. [Cutting and sewing of children's clothing] Kroika i shut'e detskogo platt'ia. Moskva, Gizlegprom, 1963. 186 p.

CHILDREN'S CLUBS see subdivision under Moscow, Temirtau (Karaganda Province)

CHILDREN'S ENCYCLOPEDIAS AND DICTIONARIES
Publication of the children's encyclopedia is completed. L. Aitkaeva. Prep. ist. v shkole 18 no. 6 104-105 N-D '63.

CHILDREN'S LITERATURE
Good luck, young friends! S. Vendichanskii. V mire knig 3 no. 9 37 S '63.
In the Publishing House for Children's Literature. K. Piskunov. Nar. obr. no. 12 107-111 D '63.
New books for children. Nar. obr. no. 12, 127-128 D '63.
New books of the State Publishing House for Children's Literature. Nar. obr. no. 9:119 S '63.
A New Year's gift for children. Zhen. mir 18 no. 12:31 '61.

CHILDREN'S LITERATURE—HISTORY AND CRITICISM
First textbook of children's literature for the institutions of higher education. P. IA. Leshchenko. Rad. lit. 7 no. 5, 131-132 N-D '63.

CHILDREN'S MUSEUMS
Our historical and geographical museum in school. S. K. Laperdin. Prep. ist. v shkole 18 no. 6 90 N-D '63.
T. H. Shevchenko museum in a boarding school. L. M. Sydorenko. Ukr. mova i lit. v shkoli 13 no. 5 41-45 Jl '63.

CHILDREN'S PERIODICALS
Let's inculcate a thirst for creativeness. IU. Stoliarov. Nar. obr. no. 9:109-113 S '63.

CHILDREN'S PLAYS
(see also subdivision under Leningrad)
"It turns nevertheless," L. S. Liaikina. Prep. ist. v shkole 18 no. 6:87 N-D '63.

CHILE—PENSIONS
Pension coverage in Chile. M. Nikitin. Sots. obesp. 21 no. 9, 62-63 S '63.

CHIMBAY DISTRICT—FEEDS
Care for feeding stuffs is a duty of the stockbreeders. K. Abdreimov. Part. zhizn' [Uzb.] 6 no. 8:70-72 Je '63.

CHIMKENT—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS
For a comprehensive planning. F. Vetrov. Nar. khoz. Kazakh. 21 no. 9 42-48 S '63.

CHIMKENT—METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION
Delayed reconstruction. A. Chicherov. Nar. khoz. Kazakh. 21 no. 9:29-31 S '63.

CHIMKENT PROVINCE—IRRIGATION FARMING
Possibilities for obtaining high assured crops. A. Pilulov. Part. zhizn' Kazakh. 33 no. 11 12-16 N '63.

CHINA—ECONOMIC CONDITIONS
The "great leap" in the Chinese economy and its consequences. IA. Ivanov, IU. Mikhailov. Mezhdunar. zhizn' 10 no. 11 134-137 N '63.

CHINA—ECONOMIC POLICY
Proletarian internationalism and socialist economy. G. Karkhin. Mezhdunar. zhizn' 10 no. 11 3-13 N '63.

CHINA—FOREIGN RELATIONS
For the purity of Marxist-Leninist theory. B. Lunin. Part. zhizn' [Uzb.] 8 no. 10:55-61 O '63.
The living soul of Marxism. V. Agarkov. Mol. komm. no. 9, 18-23 S '63.

In foreign countries. Pozh. delo 9 no. 10 31 O '63.

"Terylene" film. V. Mikhailov. Pozh. delo 9 no. 10 9 O '63.

CHEMICAL REACTION, HEAT OF

Dependence of the magnitude of heat emission on the extent and selectivity of the sulfonation reaction. I. G. Rumbo. Trud. NIISZHIMSa no. 3:5-9 O '63.

Principle of the maximum in determining the optimum conditions of exothermic processes. IU. M. Volin, G. M. Ostrovskii, M. G. Slin'ko. Kin. i kat. 4 no. 5 760-767 S-O '63.

CHEMICAL REACTION, RATE OF

Calculation of the activation energy of radical reactions based on the additivity principle. F. B. Moin. Dokl. AN SSSR 152 no. 5:1169-1172 O '63.

Kinetics and the mechanism of 1, 1-diphenylethylene dimerization in aqueous sulfuric acid. Part 2. Kinetic regularities and the reaction mechanism. S. G. Entelis, R. S. Kazanskii. Kin. i kat. 4 no. 5:713-722 S-O '63.

Kinetics of heterogeneous catalytic reactions carried out under pulse-chromatographic operating conditions of ideal linear chromatography. G. A. Gaziev, V. IU. Filinovskii, M. I. IAnovskii. Kin. i kat. 4 no. 5 688-697 S-O '63.

Kinetics of the thermal decomposition of methane by a single-pulse shock tube [with summary in English]. G. I. Kozlov, V. G. Knorre. Zhur. fiz. khim. 37 no. 9: 2083-2086 S '63.

CHEMICAL REACTORS

Determination of the linear turbulent diffusion coefficient in a flow-type bubbling column under unsteady conditions. V. V. Dil'man, M. B. Aizenbud, T. A. Zhiliaeva. Khim. prom. no. 9 703-707 S '63.

Principle of the maximum in determining the optimum conditions of exothermic processes. IU. M. Volin, G. M. Ostrovskii, M. G. Slin'ko. Kin. i kat. 4 no. 5 760-767 S-O '63.

CHEMICAL REDUCTION see Reduction, Chemical

CHEMICAL STRUCTURE

Investigating the physicochemical properties of sodium and potassium silicates in connection with their structure. M. A. Matveev, A. I. Rabukhin. Trudy MKHTI no. 37 32-43 '62.

Polymeric structure of inorganic glass. A. V. Gladkov. Trudy MKHTI no. 37:58-63 '62.

Use of nuclear quadrupole resonance for physicochemical analysis. V. S. Grechishkin, I. A. Kiuntsel', G. B. Soifer. Zav. lab. 29 no. 11:1310-1315 '63.

CHEMICAL WARFARE

In a contaminated sector. V. Konovalov, M. Kharin. Voen. vest. 43 no. 10:56-59 O '63.

Vyshivkina, A. S. [Mutual assistance of the population in the use of chemical weapons (poisonous substances)] Vzaimopomoshch naseleniia pri primenenii khimicheskogo oruzhiia (otravliaiushchikh veshchestv). Moskva, Medgiz, 1963. 71 p.

CHEMICAL WARFARE—SAFETY MEASURES see subdivision under Netherlands

CHEMICAL WORKERS—DISEASES AND HYGIENE

Prevention of and first aid in chemical burns. D. M. TSerentsian. Med. sestra 22 no. 10:19-20 O '63.

CHEMICAL WORKERS—EDUCATION AND TRAINING (see also subdivision under Dzerzhinsk, Gorkiy Province)

In the chemical technical schools of the country. Sred. spets. obr. 10 no. 11:61 N '63.

In the Dzerzhinsk Chemical Technical School. Sred. spets. obr. 10 no. 11 12-13 N '63.

Let's not rest on our achievements. A. IA. Abezgur. Sred. spets. obr. 10 no. 11 2-6 N '63.

Major chemical industrial complexes should have qualified personnel. M. Vedernikov, M. Prizhko, V. Kobazev. Prof.-tekh. obr. 20 no. 10:12 O '63.

Much work lies ahead. Sred. spets. obr. 10 no. 11:11 N '63.

We are growing, say our chemists. Sred. spets. obr. 10 no. 11:7-9 N '63.

We are training personnel for major chemical industrial complexes. Sred. spets. obr. 10 no. 11 10-11 N '63.

CHEMICALS

New kinds of containers made of worn tire casings for the packing of chemicals. A. B. Derevicher, I. P. Pishchulin. Khim. prom. no. 8:626-628 Ag '63.

CHEMISTRY

Akademiia nauk SSSR. [As seen by a scientist; From the Earth to the galaxies, To the atomic nucleus, From the atom to the molecule, From the molecule to the organism] Glazami uchenogo: Ot Zemli do galaktik, K iadru atoma, Ot atoma do molekuly, Ot molekuly do organizma. Moskva, Izd-vo Akad. nauk SSSR, 1963. 736 p.

Pages of college newspapers. Vest. vys. shkoly 21 no. 11:33-35 N '63.

Nekrasov, B. V. [General chemistry textbook] Uchebnik obshchei khimii. Izd. 2. Moskva, Goskhimizdat, 1963. 495 p.

CHEMISTRY—ABSTRACTS

[Chemistry] Ref. zhur. Khim. no. 18 S '63. Predmetnyi ukazatel' za 1961 g. vols 1-2 '63.

CHEMISTRY—BIBLIOGRAPHY see Bibliography—Chemistry

CHEMISTRY—DICTIONARIES

Batyr, D. G., comp. [Russian-Moldavian chemical dictionary] Russko-moldavskii khimicheskii slovar'. Kishinev, Gos. izd-vo "Kartia moldoveniaske," 1963. 353 p.

CHEMISTRY—HANDBOOKS, MANUALS, ETC.

Shilov, IU. M., and M. I. Tarasenko. [General chemistry] Obshchaia khimiia. Moskva, Medgiz, 1963. 367 p.

CHEMISTRY—STUDY AND TEACHING

Chemistry is needed everywhere. T. I. Moldaver. Vest. vys. shkoly 21 no. 11:16-17 N '63.

Future agriculturists and chemistry. M. M. Bykov. Vest. vys. shkoly 21 no. 11:10-12 N '63.

In the interests of the development of the chemical fiber industry. Z. A. Rogovin. Vest. vys. shkoly. 21 no. 11. 8-10 N '63.

Let's increase the contribution of institutions of higher learning to the development of chemistry. M. A. Proto'ev. Vest. vys. shkoly 21 no. 11:3-7 N '63.

Readers discuss: Let's raise the chemical knowledge level of specialists. G. A. Dmitriev, M. A. Menkovskii, V. I. Semishin. Vest. vys. shkoly 21 no. 11:38-39 N '63.

This is necessary for a thorough study of chemistry. E. I. Krech. Vest. vys. shkoly 21 no. 11:14-16 N '63.

CHEMISTRY, ANALYTICAL
(see also subdivision under Armenia)

Akademiia nauk Uzbekskoi SSR, Tashkent. Otdelenie khimicheskikh nauk. [Problems of the chemical technology and physicochemical analysis of inorganic systems] Nekotoye voprosy khimicheskoi tekhnologii i fiziko-khimicheskogo analiza neorganicheskikh sistem. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 265 p.

Chemico-analytical properties of N-furoylphenylhydroxylamine. A. T. Pilipenko, E. A. Shpak, P. P. Ruban. Ukr. khim. zhur. 29 no. 11:1209-1214 '63.

Kolesnikov, A. L. [Technical analysis of products obtained in basic organic synthesis] Tekhnicheskii analiz produktov proizvodstva osnovnogo organicheskogo sinteza, uchebno-metodicheskoe posobie [Aroslavl'] Rosvuzizdat, 1963. 117 p.

Methods of concentration in analytical chemistry. Zav. lab. 29 no. 11:1279-1280 '63.

Moscow seminar on analytical chemistry. IU. M. Dedkov. Zhur. anal. khim. 18 no. 10 1260 O '63.

Review of O. Samuelson's book "Ion exchange separations in analytical chemistry." Zhur. anal. khim. 18 no. 8: 1031-1032 Ag '63.

CHEMISTRY, ANALYTICAL—CONGRESSES

Conference on the methods for concentrating elements in analytical chemistry. IU. M. Dedkov. Zav. lab. 29 no. 11:1399-1400 '63.

CHEMISTRY, ANALYTICAL—LABORATORY MANUALS

Rudol, B. Z., and others. [Manual for laboratory work in inorganic and analytical chemistry] Rukovodstvo k prakticheskim zaniatiiam po kursu neorganicheskoi i analiticheskoi khimii. Pod red. B. Z. Rudogo. Riazan', Riazanskii med. in-t im. akad. I. P. Pavlova, 1963. 158 p.

CHEMISTRY, ANALYTICAL—QUANTITATIVE

Excitation of spectra in the universal method of quantitative determination of elements [with summary in English]. N. B. Kubasova, G. I. Kibisov. Zhur. anal. khim. 18 no. 10:1184-1191 O '63.

CHEMISTRY, ANALYTICAL—STUDY AND TEACHING

Let's improve practical training on the physicochemical methods of analysis. V. B. Aleskovskii, I. A. Kedrinskii, S. M. Efros. Vest. vys. shkoly 21 no. 11:40-41 N '63.

Responding to the appeal of the progressive workers of industry. V. P. Vasil'ev. Vest. vys. shkoly 21 no. 11: 32-33 N '63.

CHEMISTRY, FORENSIC

New material for preserving and taking the impression of footmarks left on a sandy surface. V. Sorokin. Sots. zakon. 40 no. 10:65 O '63.

CHEMISTRY, INORGANIC

On a bookshelf: Future agriculturists have their own textbook on inorganic chemistry. I. E. Laskin and others. Vest. vys. shkoly 21 no. 11:44-48 N '63.

Rudol, B. Z., and others. [Manual for laboratory work in inorganic and analytical chemistry] Rukovodstvo k prakticheskim zaniatiiam po kursu neorganicheskoi i analiticheskoi khimii. Pod red. B. Z. Rudogo. Riazan', Riazanskii med. in-t im. akad. I. P. Pavlova, 1963. 158 p.

CHEMISTRY, LEGAL see Chemistry, Forensic

CHEMISTRY, MEDICAL AND PHARMACEUTICAL

Khaletskii, A. M. [Pharmaceutical chemistry compounds] Farmatsevticheskaia khimiia [organicheskie soedineniia, uchebnoe posobie dlia studentov zaochnikov. Leningrad, Leningradskii khimiko-farmatsevticheskii institut, 1963. 126 p. (DNLM)

CHEMISTRY, ORGANIC—SYNTHESIS

Kolesnikov, A. L. [Technical analysis of products obtained in basic organic synthesis] Tekhnicheskii analiz produktov proizvodstva osnovnogo organicheskogo sinteza, uchebno-metodicheskoe posobie [Aroslavl'] Rosvuzizdat, 1963. 117 p.

Let's teach students to use scientific methods. K. A. Cherkinskii. Vest. vys. shkoly 21 no. 11:45 N '63.

Synthetic cyclopentylaryl ketones. A. M. Turdybekov, Kh. Khabaeva. Izv. AN Turk. SSR, Ser. fiz.-tekh., khim. i geol. nauk no. 1:103-106 '62.

CHEMISTRY, PHYSICAL AND THEORETICAL

Concept of electronegativity of atoms. [Application of semitheoretical and theoretical methods for determining the electronegativity values] [in English]. V. P. Spiridonov, V. M. [illegible]. Zhur. fiz. khim. 37 no. 8:1973-1978 S '63.

"Physical chemistry" by A. A. Zhukhovitskii and L. A. Shvartsman. Reviewed by R. N. Rubin. Vest. LGU 18 no. 11:102 '63.

CHEMISTRY, TECHNICAL

Akademiia nauk Uzbekskoi SSR, Tashkent. Otdelenie khimicheskikh nauk. [Problems of the chemical technology and physicochemical analysis of inorganic systems] Nekotoye voprosy khimicheskoi tekhnologii i fiziko-khimicheskogo analiza neorganicheskikh sistem. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 265 p.

Chemical products from coking for the [illegible]. Koks i khim. no. 11:3-6 '63.

Chemistry in the oils and fats industry. A. [illegible]. Masl.-zhir. prom. 29 no. 11:4-6 [illegible].

"Chemization" of the manufacture of [illegible]. Zhir. prom. 29 no. 11:1-4 N '63.

CHEMISTRY, TECHNICAL—LABORATORY MANUALS

Skliar, M. G., and IU. B. Tiutiunnikov. [Laboratory practice in the chemistry of solid fuels] Laboratornyi praktikum po khimii tverdykh goriuchikh iskopaemykh. Pod red. L. L. Nesterenko. Khar'kov, [illegible] skogo univ., 1962. 104 p.

CHEMOTHERAPY

Combined hormone and chemotherapy [illegible] of far advanced breast cancer [with English]. L. IU. Dymarskii and others. [illegible] 44-52 '63.

Immediate results of treatment of tuberculosis by the combined method consisting of [illegible] antibacterial therapy. I. I. Tuchko. [illegible] issl. inst. ortop. i travm. no. 15 [illegible].

Limitations of chemotherapy in pulmonary [illegible] and indications for surgical treatment [with summary in French]. N. A. Shmelev. Probl. tub. [illegible] 28 '62.

Thyroid gland tuberculosis. I. A. Petukh[illegible]. [illegible] 91 no. 7:70-72 Jl '63.

Treatment of obliterating endarteritis and [illegible] atherosclerosis by a compound [illegible] [with summary in English]. L. V. Beliak[illegible]. [illegible] 39 no. 8:126-127 Jl '63.

Use of some chemotherapeutic preparations in [illegible] malignant tumors and systemic diseases [illegible] ry in English]. M. A. Ziv, K. A. Pavl[illegible] onk. AMN SSSR. no. 3:158-160 '63.

CHEREMSHYNA, MARKO, pseud. see Cheremshyna, Iurliovych, 1874-1927

CHERENKOV RADIATION

Cherenkov gas counters. A. S. Vovenko, [illegible]. Usp. fiz. nauk 81 no. 3:153-506 N '63.

Radiation from a charged particle moving [illegible] layer. L. G. Naryshkina. Zhur. tekh. [illegible] 1318-1322 N '63.

CHEREPANOVO DISTRICT—STATE FARMS—MANAGEMENT

They don't take care of public property. [illegible]. Uchet i fin. v kolkhoz. i sovkhoz. 20 [illegible].

CHEREPOVETS—IRON AND STEEL WORKERS

On the thresholds of fire. K. Aristarkhov. [illegible] no. 3:91-96 '62.

A village by the sea. Oleksandr Matiiko. Ukraina ... My '62.

CHERNIGOV—UKRAINIAN LANGUAGE—STUDY AND TEACHING

Work on the unification of methods. M. I. Dasiuk. Ukr. mova i lit. v shkoli 14 no. 5:32-36 Jl '63.

CHERNOVTSY—COMMUNITY CENTERS

Leading lights of a "palace." Borys Sylin. Ukraina ... My '62.

CHERNOVTSY PROVINCE see Bukovina

CHERNOZEM SOILS
(see also subdivision under Bashkiria; Penza Province, Volga Valley)

Importance of the group composition of phosphates in Chernozem soils in connection with temporary reduction processes in them. I. S. Kaurichev, P. P. Andriatskaia. Dokl. VASKhNIL no. 47 247-252 '59.

CHESS

Chess. A. Batuzin, P. Raznitskii. Sov. voin 45 no. 19. ... O '63.

Chess. A. Batuzin. Sov. voin 45 no. 14:48 Jl '63.

Chess. I. A. Kan. Voen. vest. 43 no. 10:127-128 O '63.

Chess. I. A. Kan. Voen. vest. 43 no. 11:126 N '63.

Chess. B. Malinovskii and others. Sov. voin 45 no. 12: ... Je '63.

Chess. Sov. voin. 15 no. 22:48 N '63.

Chess. V. Liublinskii. Kul't. i zhizn' 7 no. 11:47 '63.

Kapengauz, I. I. [For the world crown, notes of a world champion] Za mirovuiu koronu; zapiski chempiona mira. Kiev, Molod', 1963. 150 p.

CHESS—OPENINGS

Sokol'skii, A. P. [Opening 1. b2-b4 (Sokol'skii's openings)] Debiut 1. b2-b4 (debiut Sokol'skogo). Minsk, Gos. izd-vo BSSR, 1963. 216 p.

CHESS—TOURNAMENTS

Kolbiels, A. [Along the roads of chess tournaments; from a trainer's notebook] Dorogami shakhmatnykh sorevnovanii; iz dnevnika trenera. Riga, Latviiskoe gos. izd-vo, 1963. 198 p.

... South Ural of chess tournament. O. Poliak. Nauka i zhizn' 30 no. 10:63 N '63.

We begin our tournament. Znan. ta pratsia no. 10:30 '63.

CHESS PROBLEMS

Chess poetry. A. Igilitskii. Nov. mir 38 no. 6:276-277 Je '62.

CHEST—DISEASES

Roentgenological picture of leukemic changes in the lungs, pleura and thoracic lymph nodes in acute (subacute) leukemia [with summary in English]. O. A. TSukerman. Vest. rent. i rad. 38 no. 5:26-30 S-O '63.

CHEST—RADIOGRAPHY

Comparative diagnostic value of small three-film fluorography and roentgenoscopy for the detection of pathological changes in the lungs [with summary in English]. I. I. Telichko. Vest. rent. i rad. 38 no. 5:37-40 S-O '63.

Result of a fluorographic examination of the workers of the Odessa Railway and the members of their families [with summary in English]. A. I. Lubarskii-Znika. Klin. med. 40 no. 11:110-112 N '62.

Roentgenogram of the thorax in oblique projection at a 30° angle. L. I. Ilkolita. Vest. rent. i rad. 38 no. 5: 66-67 S-O '63.

Roentgenological picture of leukemic changes in the lungs, pleura and thoracic lymph nodes in acute (subacute) leukemia [with summary in English]. O. A. TSukerman. Vest. rent. i rad. 38 no. 5:26-30 S-O '63.

Study of the external respiratory function by tomography in pulmonary tuberculosis [with summary in English]. L. N. Maslennikova. Vest. rent. i rad. 38 no. 5:22-26 S-O '63.

CHEST—SURGERY

Contemporary tactics of pediatricians and surgeons in treating empyema in children. I. P. Bakulis, J. K. Ciunjena. Pediatria 41 no. 7:38-40 Jl '63.

Experience in the use of polyvinol in thoracic surgery [with summary in English]. V. M. Tavrovskii, N. V. Shentakov. Vest. khir. 90 no. 6:14-18 Je '63.

Function of the adrenal cortex in surgery of the thoracic organs under automatically controlled anesthesia [with summary in English]. IU. N. Shanin, A. T. Pulatov, M. V. IUrchenko. Vest. khir. 90 no. 6:109-113 Je '63.

Indications for extensive thoracoplasty in tuberculosis pleural empyema [with summary in French]. S. A. Gavrilov. Probl. tub. 40 no. 6:43-48 '62.

CHIKHACHEV, PLATON ALEKSANDROVICH, 1812-1892

The traveler Platon Chikhachev; on the 150th anniversary of his birth. O. Chistovskii. Izv. Vses. geog. ob-va 95 no. 5:455-456 S-O '63.

CHILD STUDY

Communication among children of different ages in combined children's institutions. V. G. Nechaeva. Sov. pedag. 27 no. 9 56-62 S '63.

Creative research on the problems of the development of psyche. N. I. Zhinkin. Sov. pedag. 27 no. 9 139-142 S '63.

Oral stimulation of students' muscle movement. M. I. Stankin. Sov. pedag. 27 no. 9 71-78 S '63.

Psychological basis for an individual approach to young boys and girls. A. P. Krakovskii. Sov. pedag. 27 no. 11:54-59 N '63.

Training senior students to love occupations. V. S. Pavliuchenkov, I. M. Palei. Sov. pedag. 27 no. 9 49-55 S '63.

CHILDREN
(see also subdivision under Moscow)

Good heart. V. Sukhomlinskii. Ogonek 41 no. 12:4-5 O '63.

CHILDREN—CARE AND HYGIENE
(see also subdivision under Voronezh)

Ambros, Marta. [Education of children through the eyes of a physician] Lastekasvatusest arsti pilguga. Tallinn, Eesti Riiklik Kirjastus, 1963. 191 p. [In Estonian] (DNLM)

Kovrigina, M. D., ed. [Nurse-teacher for day nurseries and for the younger groups in kindergartens] Sestra-vospitatel'nitsa detskikh iaslei i mladshikh grupp iasleisadov. Moskva, Medgiz, 1963. 547 p. (DNLM)

Medical observations of the state of health of boarding school children. T. A. Trettilova. Probl. fiz. sporta no. 2:268-269 '61.

Protect the sleep of your children. H. Kaliuzhyn. Rab. i sial. 39 no. 10:19 O '63.

CHILDREN—DISEASES

Changes in the bone structure in certain children's diseases; 1st report on leukemia. G. B. Fomin. Vop. klin. pat. no. 2:236-243 '61.

Errors in the early diagnosis of tuberculous meningitis in children. O. I. Kondratenko. Pediatriia 41 no. 7:17-20 Jl '63.

Kreindler, A., Crighel, E., and I. Stoica. [Epilepsy in children. Translated from the Rumanian] Detskaia epilepsiia. Bucharest, Izd-vo Akad. Rumynskoi Narodnoi Respubliki, 1963. 269 p. (DNLM)

Reviews. Pediatriia 41 no. 7:83-84 Jl '63.

Some data on electrophoretic study of blood protein fractions in children with tuberculosis [with summary in English]. N. IA. Rodionova. Pediatriia 41 no. 7 8-11 Jl '63.

Some neurohumoral reactivity indices in various forms of tuberculosis in young children [with summary in English]. E. V. Sereda, T. S. Krasavina. Pediatriia 41 no. 7 3-7 Jl '63.

Volovik, A. B. [Heart diseases in children] Bolezni serdtsa u detei. Leningrad, Medgiz, 1963. 44 p. (Nauchno-populiarnaia meditsinskaia biblioteka) (DNLM)

CHILDREN—EMPLOYMENT

The work of adolescents in the U. S. S. R. V. Mitin. Sots. zakon. 40 no. 9 86-88 S '63.

CHILDREN—LANGUAGE

Children's speech. V. I. Seliverstov. Zdorov'e 9 no. 10, 14-15 O '63.

CHILDREN—LAW

Judicial practice in civil law cases concerning the rearing of children. N. Sergeeva. Sov. iust. no. 18 4-7 S '63.

CHILDREN—MANAGEMENT

Continuity in educational work. B. V. Borisov. Sov. pedag. 27 no. 10:46-49 O '63.

Development of independent activity in a class collective. N. IA. Skomorokhov. Sov. pedag. 27 no. 10:38-45 O '63.

Forming a children's collective in play. L. Martynova. Doshk. vykh. no. 11, 18-21 N '63.

Friendship among children. N. Ethes. Rab. i sial. 39 no. 10, 21 O '63.

How you should encourage and praise your children. I. Stsiapanava. Rab. i sial. 39 no. 11, 18-19 N '63.

Klara Zetkin on discipline and training in public behavior. V. M. Klarin. Sov. pedag. 27 no. 11 77-83 N '63.

Knowledge of your class is a guarantee of educational success. IA. Turbovskoi. Nar. obr. no. 12 73-76 D '63.

Kraevskii, B. P. [School beyond the Arctic circle] Shkola v Zapoliar'e. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. XI Seriia: Pedagogika, no. 18)

Let's fuse training and education into a unified flow. R. G. Lemberg. Sov. pedag. 27 no. 11:11-22 N '63.

Pedagogical tact. L. V. Bjakeina. Sov. pedag. 27 no. 11, 18-53 N '63.

... to make ... [illegible] ... Prof.-tekh. obr. 20 no. 10:6-8 O '63.

Training in positive behavior among children in role enacting play. V. B. Ibe... D... sh. no. 11 12-17 N '63.

Training of children in motor play. I. Beliaeva. Doshk. vosp. no. 11 26-29 N '63.

When a word enlightens. V. Levshin. Nar. obr. no. 9 insert 16 p. S '63.

Zhubin, L. M. [Difficult children] Trudnye deti. Leningrad, Ob-vo "Znanie" RSFSR, 1963. 50 p.

CHILDREN—NUTRITION

Babko, I. M. [Milk formulas for the feeding of young children] Molochni sumishi dlia vykhodu za ... rann'oho viku. Vyd. 2, pereroblene i dop. Kyiv, Derzhmedvydav URSR, 1963. 43 p. (DNLM)

CHILDREN'S CLOTHING

Beliaeva, I. N., and N. N. Vladimirov. [Cutting and sewing of children's clothing] Kroika i shit'e detskogo plat'ia. Moskva, Gizlegprom, 1963. 180 p.

CHILDREN'S CLUBS see subdivision under Moscow, Temirtau (Karaganda Province)

CHILDREN'S ENCYCLOPEDIAS AND DICTIONARIES

Publication of the children's encyclopedias is completed. L. Al'kaeva. Prep. ist v shkole 18 no. 6 104-105 N-D '63.

CHILDREN'S LITERATURE

Good luck, young friends! S. Vendichanskii. ... mir ... ing 3 no. 9:37 S '63.

In the Publishing House for Children's Literature. K. Piskunov. Nar. obr. no. 12 107-111 D '63.

New books for children. Nar. obr. no. 12 127-128 D '63.

New books of the State Publishing House for Children's Literature. Nar. obr. no. 5:114 S '63.

A New Year's gift for children. Zhch. v shk. no. 12:81 '61.

CHILDREN'S LITERATURE—HISTORY AND CRITICISM

First textbook of children's literature for the institutions of higher education. P. IA. Chekhonin. Rad. shk. 7 no. 6 131-132 N-D '63.

CHILDREN'S MUSEUMS

Our historical and geographical museum in school. S. K. Laperdin. Prep. ist v shkole 18 no. 6 30 N-D '63.

T. H. Shevchenko museum in a boarding school. L. M. Sydorenko. Ukr. mova i lit. v shkoli 13 no. 5 41-45 Jl '63.

CHILDREN'S PERIODICALS

Let's inculcate a thirst for creativeness. Yu. Stolbunov. Nar. obr. no. 9:109-113 S '63.

CHILDREN'S PLAYS
(see also subdivision under Leningrad)

"It turns nevertheless." L. S. Liulkina. Prep. ist v shkole 18 no. 5 87 N-D '63.

CHILE—PENSIONS

Pension coverage in Chile. M. Nikitin. Sots. obesp. 21 no. 9, 64-63 S '63.

CHIMBAY DISTRICT—FEEDS

Care for feeding stuffs is a duty of the stockbreeders. K. Abdreimov. Part. zhizn' [Uzb.] 6 no. 6:70-72 Je '63.

CHIMKENT—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

For a comprehensive planning. P. Vetrov. Nar. khoz. Kazakh. 21 no. 9 43-45 S '63.

CHIMKENT—METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION

Delayed reconstruction. A. Chicherov. Nar. khoz. Kazakh. 21 no. 9:29-31 S '63.

CHIMKENT PROVINCE—IRRIGATION FARMING

Possibilities for obtaining high assured crops. V. Pitulei. Part. zhizn' Kazakh. 33 no. 11:12-16 N '63.

CHINA—ECONOMIC CONDITIONS

The "great leap" in the Chinese economy and its consequences. IA. Ivanov, IU. Mikhailov. Mezhdunar. zhizn' 10 no. 11:134-137 N '63.

CHINA—ECONOMIC POLICY

Proletarian internationalism and socialist economy. G. Karkhin. Mezhdunar. zhizn' 10 no. 11 3-13 N '63.

CHINA—FOREIGN RELATIONS

For the purity of Marxist-Leninist theory. B. Lunin. Part. zhizn' [Uzb.] 6 no. 10 55-61 O '63.

The living soul of Marxism. V. Agarkov. Mol. komm. no. 9 18-23 S '63.

CHINA—FOREIGN RELATIONS—MONGOLIA

Economic and cultural cooperation between the Mongolian and Chinese peoples. S. Luvsan. Sovr. Mong. 4 no. 10:40-44 O '59

Friendly visit of Chinese parliament members to our country. Sovr. Mong. 4 no. 10:38-39 O '59

CHINA—FOREIGN RELATIONS—RUSSIA

Sun Yat-sen's attitude toward Soviet Russia [with summary in English, p. 221]. S. L. Tikhvinskii. Vop. ist. 38 no. 12:71-85 D '63.

CHINESE LANGUAGE—INTERROGATIVE

Kotova, A. F. [The interrogative sentence in modern Chinese; the definite-alternative question] Voprositel'noe predlozhenie v sovremennom kitaiskom iazyke; opredelenno-al'ternativnyi vopros. [Moskva] Izd-vo Mosk. univ., 1963. 83 p.

CHINESE LANGUAGE—SYNTAX

Akademiia nauk SSSR. Institut narodov Azii. [The Chinese language, problems of syntax] Kitaiskii iazyk, voprosy sintaksisa. Moskva, Izd-vo vostochnoi lit-ry, 1963. 287 p.

CHINNOI, SERGEI KIRILLOVICH, 1898-1963

In memory of S. K. Chinnoi. Med. paraz. i paraz. bol. 32 no. 5 636 S-O '63.

CHIRCHIK—CHEMICAL MACHINERY INDUSTRY—MANAGEMENT

Trying to understand the economics of industry. V. Skorodumov. Part. zhizn' [Uzb.] 6 no. 10, 71-74 O '63.

CHIRCHIK—ELECTROCHEMISTRY, INDUSTRIAL

A volunteer design bureau. B. Pak. Part. zhizn' [Uzb.] 5 no. 10 56-57 O '62.

CHIRINASHVILI, GRIGORII, 1917-

Tiflis. Dom rabotnikov iskusstv Gruzinskoi SSR. [Exhibition of works by five Georgian artists: Ekaterina Bagdavadze, Petr Datebashvili, Georgii (Gaioz) Kotrikadze, Vladimir Torotadze, and Grigorii Chirinashvili. A catalog] Vystavka rabot plati Gruzinskikh khudozhnikov: Ekaterina Bagdavadze, Petr Datebashvili, Georgii (Gaioz) Kotrikadze, Vladimir Torotadze, Grigorii Chirinashvili. Katalog. Tbilisi, Soiuz khudozhnikov Gruzinskoi SSR i Khudozh. fond Gruzinskoi SSR, 1961. 63 p. plates. [In Georgian and Russian] (MIl)

CHIRKOV, ANDREI VASIL'EVICH, 1917-1956

Mincev, N. F. [First victory] Pervaia pobeda. Leningrad, Ob-vo po raspr. polit. i naucha. znanii RSFSR, 1962. 93 p.

CHISTOPOL'YE DISTRICT—STATE FARMS

An enthusiastic worker. N. Tumanov. Part. zhizn' Kazakh. 33 no. 11:63-65 N '63.

CHITA PROVINCE—LUNGS—DUST DISEASES

Materials on the problem of silicosis control in the mines of Chita Province [with summary in English]. IA. A. Apel'. Gig. truda i prof. zab. 7 no. 1:18-23 Ja '63.

CHITA PROVINCE—MINE DUSTS

Materials on the problem of silicosis control in the mines of Chita Province [with summary in English]. IA. A. Apel'. Gig. truda i prof. zab. 7 no. 1:18-23 Ja '63.

CHKALOV, VALERII PAVLOVICH, 1904-1938

CHKALOV PROVINCE see Orenburg Province

Vodop'ianov, M. V. [Pilot Chkalov] Letchik Chkalov. Moskva, Izd-vo DOSAAF, 1963. 196 p.

CHLORIDES

Configuration equilibrium in solutions of chloride and thiocyanate complexes of cobalt. V. F. Vasil'ev and others. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 [illegible] '63.

[illegible] to in the chlorination of a magnesium [illegible] in molten chlorides. A. I. Tolstoguzov, [illegible]. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 874-878 '63.

[illegible] ng chloroform in current anesthesiological [illegible] th summary in English]. I. V. Egorov. [illegible] no. 7 54-62 Jl '63.

[illegible] phonicol on nicotine biosynthesis. Feier-Kossei. Dokl. AN SSSR 153 [illegible] '63.

[illegible] OXICOLOGY [illegible] chlorophos. G. D. Chernobrodov. [illegible] rt. 6 no. 4:41-45 O-D '63.

[illegible] rophyll and carotenoids in the fruits of their gradual growth and ripening. [illegible] F. Shabel'skaia. Dokl. AN BSSR 7 [illegible] '63.

Some characteristics of the formation and accumulation of chlorophyll in the leaves of lupine. V. E. Snevchak. Izv. ISKHI no. 14 100-106 '59

CHLOROPHYLL—SPECTRA

Use of the pulse photolysis method in studying the metastable state of pigments. V. K. Chibisov, A. V. Karlakin. Opt. i spekt. 15 no. 5:636-644 N '63.

CHLOROPICRIN

Effect of chloropicrin and dichloroethane on the microflora of grain. O. P. Podtiapol'skaia. Trudy VNIIZ no. 43 69-93 '63.

CHLOROSULFONIC ACID

Thermal dissociation of chlorosulfonic acid and the method of obtaining a pure preparation. L. P. Riadneva. Sbor. mat. po obm. opyt. NIUIF no. 12:53-61 '59.

CHLORPROMAZINE

Effect of aminazine on cutaneous visceral and motor visceral reflexes. V. P. Kolychev. Eksp. issl. po fiziol., biokhim. i farm. no. 3 203-209 '61.

Mechanism of the effect of aminazine on the thyroid gland [with summary in English] S. G. Cherdyntsev. Probl. endok. i gorm. 9 no. 5 35-39 S-O '63.

Morphological analysis of changes in the neurosecretory elements of the neurohypophysis of white rats during pain stimulation and under the effect of aminazine [with summary in English]. A. L. Polenov, L. IA. Balonov. Probl. endok. i gorm. 9 no. 5 40-46 S-O 63

CHLORPROMAZINE—TOXICOLOGY

Occupational dermatitis caused by aminazine. A. A. Galinkin. Gig. truda i prof. zab. 7 no. 1:51-53 Ja '63.

Side effects of aminazine. A. I. Matsnev. Fel'd. i akush. 28 no. 8:35-37 Ag '63.

CHOCOLATE

Oils and fats for the production of chocolate. V. S. Grinner, E. V. Chechelashvili. Izv. vys. ucheb. zav., pishch. tekh. no. 5:76-80 '63.

CHOLESTEROL

Effect of hemotransfusion on the cholesterol content in the blood serum following acute hemorrhage. T. I. Novikova-Dantsiger. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4:177-188 '60.

CHOLESTEROL METABOLISM

Daily variations of cholesterol content in healthy persons and in atherosclerosis patients [with summary in English]. A. V. Baubinene, N. A. Stankevichene. Klin. med. 40 no. 11:116-118 N '62.

CHOLINE

Role of the acetylcholine and cholinesterase system in pathology. Kh. S. Khamitov, S. I. Shcherbatenko. Kaz. med. zhur. no. 5 89-93 S-O '63.

Some neurohumoral reactivity indices in various forms of tuberculosis in young children [with summary in English]. E. V. Sereda, T. S. Krasavina. Pediatriia 41 no. 7, 3-7 Jl '63.

CHOLINESTERASES

Effect of gangleron and arpenal on the activity of cholinesterase in the individual cellular formations of the cutaneous-motor analyzer and hypothalamus in rabbits. M. G. Amadian. Izv. AN Arm. SSR, Biol. nauki 16 no. 10, 13-22 O '63.

Effect of SHF on the cholinesterase activity in the blood and organs of animals. S. V. Nikogosian. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:81-85 '60.

Possibilities of determining cholinesterase activity in the blood of cadavers [with summary in English]. G. IA. Pekker. Arkh. pat. 25 no. 6:57-62 '63.

Postmortem histochemical determination of cholinesterase activity [with summary in English]. G. IA. Pekker. Arkh. pat. 25 no. 7:80-84 '63.

Role of the acetylcholine and cholinesterase system in pathology. Kh. S. Khamitov, S. I. Shcherbatenko. Kaz. med. zhur. no. 5:89-93 S-O '63.

CHONDRICHTHYES, FOSSIL

Class Chondrichthyes. D. V. Obruchev. Trudy SNIIGGIMS no. 21:213-215 '62.

CHORAL CONDUCTING see Conducting, Choral

CHORAL SOCIETIES

Lokshin, D. L. [Outstanding Russian choruses and their conductors] Zamechatel'nye russkie khory i ikh dirizhery, kratkie ocherki. Izd. 2., dop. Moskva, Muzgiz, 1963. 210 p.

CHORION—TUMORS

Hydatid mole; reply to obstetrical problem No. 3. T. P. Barkhatova. Fel'd. i akush. 28 no. 8:53-56 Ag '63.

CHOROID—CANCER

Clinical aspects and morphology of malignant melanomas of the choroid according to data from the MONIKI eye clinic. IU. M. Koretskaia. Vop. klin. pat. no. 2:38-45 '61.

CHRISTIANITY—PHILOSOPHY

Nutsubidze, Sh. I. [Petrus Iberus and ancient philosophical heritage, some problems of Areopagitika] Petre Iberi i antichnoe filosofskoe nasledie, problemy areopagitiki. Tbilisi, Izd-vo SSR Gruzii "Literatura i khudozhestvo," 1963. 489 p.

CHRISTMAS

Christmas and New Year celebrations in various countries of the world. O. M. Zhenilina. no. 1 [illegible]

CHROMATOGRAPHIC ANALYSIS

Automatic sampling in preparative chromatography. [illegible] Kazakevich and others. Khim. i tekh. topl. i masel 7 no. 11 49-52 N '63.

Chromatographic method of quantitative analysis [illegible] mixture of higher fatty acids with the use of the [illegible] microphotometer. N. V. Vorobiev. Mikrobiologiia 29 no. 11 22-26 N '63.

Chromatographic study of the antibiotic substance of Actinomyces longisporus tuber. strain Bdll. [illegible] V. Abramova, V. P. Migalina. Trudy Inst. mikrobiologii virus. AN Kazakh. SSR 7:117-116 '61.

Determination of ion exchange constants based on the practice of chromatographic analysis. Report [illegible] Determination of the constant of the cesium-sodium [illegible] on a KU-2 sulfo-cation exchanger [with summary in English]. G. M. Kolosova, M. M. Senyavin. Zhur. fiz. khim. 38 no. 10: 2178-2183 O '63.

Device for introducing samples of viscous solutions of polymers into chromatograph. V. M. Cherkasov. Zav. lab. 29 no. 11:1392 '63.

Possibility of carrying out the catalytic dehydrogenation [illegible] under chromatographic conditions. G. P. Belikova, E. I. Semenenko, M. I. IAnovskii. Dokl. AN SSSR 153 no. 2:383-385 N '63.

"Precipitation chromatography" by K. M. Ol'shanskii, V. D. Kopylova, N. M. Morozova. Reviewed by I. P. Baev. Zhur. anal. khim. 18 no. 10, [illegible]

CHROMIUM

Activation of the chromium hardening of amorphous layers. S. M. Levi, M. I. Barto. Trudy, NIKFI [illegible] 95-98 '62.

Addition of chromium to steel before deoxidation, a preliminary increase of chromium oxide in the [illegible] N. N. Vlasov, P. V. Umrikhin. [Izv. vys. ucheb. zav.] chern. met. 6 no. 10 32-36 '63.

Investigating the sorption of chromium(III) by [illegible] cation exchanger under dynamic conditions. [illegible] khanosha, A. V. IUdin, V. M. Barboi. [Izv. vys. ucheb. zav.; tekh. leg. prom. no. 5:41-50 '61.

CHROMIUM—METALLOGRAPHY

X-ray study of a chromium structure at [illegible] IU. N. Smirnov, V. A. Finkel', [illegible] 16 no. 4:637 O '63.

CHROMIUM—METALLURGY

Vacuum treatment of liquid aluminothermic chromium K. T. Kurochkin, S. I. Suchil'nikov, B. A. Baum. [Izv. vys. ucheb. zav., chern. met. 6 no. 10:95-98 '63.

CHROMIUM ACETATES

Investigating the hardening of photographic emulsions. Part I: Hardening with chromium acetate. V. I. Zheleman. Trudy NIKFI no. 51:39-50 '62.

CHROMIUM COMPOUNDS

Physical properties of chromium borides, carbides, nitrides, and silicides. S. N. L'vov, V. I. [illegible] G. V. Samsonov. Izv. vys. ucheb. zav., fiz. [illegible] '63.

CHROMIUM-IRON ALLOYS see Iron-chromium alloys

CHROMIUM ISOTOPES

Technology of isotopically enriched chromium [illegible] foils for nuclear research. V. P. Bushin, S. A. [illegible] Prib. i tekh. eksp. 8 no. 5:213-214 S-O '63.

CHROMIUM-NICKEL ALLOYS—METALLOGRAPHY

Carbide analysis of a cast chromium-nickel [illegible] L. N. Zimina, G. F. IAkovleva, D. N. Zhukova, [illegible] trud. TSNIICHM no. 32:103-110 '63.

CHROMIUM-NICKEL ALLOYS—WELDING

Flash welding of abutting Kh18N9Ti and Kh20N10 alloy strips. V. T. Cherednichok, S. I. Kuchuk-[illegible] Avtom. svar. 16 no. 10:76-81 O '63.

CHROMIUM-NICKEL STEEL—WELDING

Effect of displacement in bilateral, one-pass [illegible] 1Kh18N9T steel on the appearance of knife-line [illegible] rosion. E. A. Suvorovskii, V. B. Vladimirov, G. I. Agapov. Svar. proizv. no. 6:29-30 Je '63.

CHROMIUM OXIDES

Effect of the chemical composition of chromium-[illegible] silicate catalysts on their activity and chromium [illegible] forms. Z. G. Zul'fugarov, G. I. Alimadanov, [illegible] Agamirzoeva. Azerb. khim. zhur. no. 3:75-[illegible]

CHROMIUM PLATING—EQUIPMENT AND SUPPLIES

Determining the magnitude voltage of chromium-plating baths. G. A. Aslan-Zade. Za tekh. prog. 3 no. [illegible] 12 Jl '63.

CHROMIUM STEEL—FATIGUE

Investigating the fatigue strength of DI-1 and Kh17N2 steels. S. I. Riabtsev, D. M. Petergeria. Izv. vys. uchеb. zav., Chern. met. 6 no. 10 125-129 '63

CHROMIUM STEEL—INCLUSIONS

Nonmetallic inclusions in high-chromium steel I. I. Pozy-kova. Sbor. trud. TSNIICHM no. 32 59-71 '63.

CHROMIUM STEEL—METALLOGRAPHY

Alloyed steel rails. IU. V. Gridina and others. Izv. vys. uchеb. zav., chern. met. 6 no. 10 120-124 '63.

CHROMOSOMES

Comparative radiosensitivity of the hereditary structures of cells in mammals in vitro. L. I. Lebedeva, T. D. Ostrova, IU. IA. Kerkis. Dokl. AN SSSR 152 no. 5 1225-1226 O '63.

New types of chromosome rearrangements in the microspores of Tradescantia paludosa under the influence of certain factors during spaceship flights. N. L. Delone and others. Dokl. AN SSSR 152 no. 5 1227-1230 O '63.

Spontaneous chromosome injuries in embryonic human fibroblasts in vivo and in vitro. A. A. Prokof'eva-Bel'govskaia, I. V. Veshneva. Dokl. AN SSSR 153 no. 2 457-459 N '63.

CHRONOGRAPH

Chronograph for continuous recording of time intervals of slow processes. B. A. Kamochkin, S. S. Tovchigrechko. Priborostroenie no. 11 22-23 N '63.

CHRYSOTILE

Resources of chrysotile-asbestos in the U. S. S. R. L. A. Sokolova. Trudy IGLM no. 85 56-60 '63.

CHU VALLEY—RUNOFF

Ground regulation of the Chu River runoff. A. T. Il'iasov. Izv. Kir. fil. Geog. ob-va SSSR no. 4 69-75 '63

CHU VALLEY—SOILS

Soils and groundwaters in the lower reaches of the Chu River. M. A. Orlova, A. N. Osina. Trudy Inst. pochv. AN Kazakh. SSR 15 162-207 '63.

CHU VALLEY—WATER, UNDERGROUND

Soils and groundwaters in the lower reaches of the Chu River. M. A. Orlova, A. N. Osina. Trudy Inst. pochv. AN Kazakh. SSR 15 162-207 '63.

CHUCKS

Safety chuck for cutting 8 to 16 mm. screw thread. M. P. Kozlov. Mashinostroenie no. 5 36 S-O '63.

CHURCH ARCHITECTURE

Architecture and aesthetics in the service of ecclesiastics. D. Kopelianskii. Arkhit. SSSR no. 1 54-57 '62.

Proportion in early Russian art ("Construction of architectural form by early Russian architects" by K. N. Afanas'ev. Reviewed by G. K. Vagner). Sov. arkheol. 7 no. 4 284-288 '63.

CHURCH ARCHITECTURE—DETAILS see subdivision under Kiev

CHUVASHIA—AGRICULTURAL WORKERS

Sow a habit, . . . I. Prokop'ev. Komsom. zhizn' no. 14: 2-3 Jl '63.

CHUVASHIA—NEWSPAPER AND PERIODICAL CIRCULATION

They are always late. N. TSvetkov. Part. zhizn' no. 21: 78 N '63.

CHUVASHIA—SPORTS

Mass participation is the main thing in sports. G. N. Kseno fontov. Sred. spets. obr. 10 no. 11 43-44 N '63.

CICADAS AS CARRIERS OF PLANT DISEASES

Cytological and histological changes in the fat body of the cicada Psammotettix Striatus Fall. infected with the winter wheat mosaic virus [with summary in English]. L. IA. Lomakina, G. M. Razviazkina, E. A. Shubnikova. Vop. virus. 8 no. 2 168-172 Mr-Ap '63

CIENFUEGOS, CAMILO, 1932-1959

Camilo Cienfuegos, hero of Cuba. Vadim Listov. Nov. vrem. 21 no. 47 22-24 N '63.

CIRCUITS, BRIDGE see Bridge circuits

CIRCULAR SAWS

Effect of the curvature radius at the base of a saw tooth and the material of which it is made on the durability of circular saws for hot metal cutting. V. M. Grebenik, V. V. Tatarnikov. Izv. vys. ucheb. zav.; chern. met. 6 no. 10 168-177 '63.

CIRCULATORY SYSTEM see Cardiovascular system

CIRCUS see subdivision under Rumania

CITIES AND TOWNS, RUINED, EXTINCT, ETC. see subdivision under Latvia; Vologda Province

CITRUS FRUITS—TRANSPORTATION

Losses in the weight of citrus fruits in railroad transportation. G. M. Fishman, A. IU. Kupreishvili. Kons. i ov. prom. 18 no. 11 35-36 N '63.

CITY PLANNING
(see also subdivision under Donetsk; Leningrad; Moscow Province)

Architectural planning methods of controlling city noise. L. Makrinenko. Arkhit. SSSR no. 1 33-36 '62

Plant and city. IU. Lebedev. Sov. profsoiuzy 18 no. 18: 30-32 S '63.

T[illegible]

[illegible]ichika; Moskva, Gosstroiizdat, 1963. 367 p.

CITY TRAFFIC

Shamentov, A. E., and M. S. Fishel'son. [City traffic, problems of speed and safety] Gorodskoe dvizhenie, voprosy skorosti i bezopasnosti. Moskva, Gosstroiizdat, 1963. 293 p.

CIVIC CENTERS see subdivision under White Russia

CIVIL DEFENSE

Vyshivkina, A. S. [Mutual assistance of the population in the use of chemical weapons (poisonous substances)] Vzaimopomoshch naseleniia pri primenenii khimicheskogo oruzhiia (otravliaiushchikh veshchestv) Moskva, Medgiz, 1963. 71 p.

CIVIL ENGINEERING

Levin, B. I. [Technical progress in transportation engineering] Tekhnicheskii progress v transportnom stroitel'stve. Moskva, Transzheldorizdat, 1963. 84 p. (V pomoshch izuchaiushchim konkretnuiu ekonomiku)

CIVIL LAW see subdivision under Ukraine

CIVIL PROCEDURE
(see also subdivision under France; Ukraine)

A conference on the trial of civil lawsuits. A. Akimov, S. Aver'ianov. Sots. zakon. 40 no. 9:63-64 S '63.

How we supervise the trial of civil cases. V. Asieshvili. Sots. zakon. 40 no. 9 57-58 S '63.

"Trial of civil lawsuits" by P. Trubnikov. Reviewed by V. Taranenko, M. Shakarian. Sots. zakon. 40 no. 11: 93-95 N '63.

CIVIL RIGHTS

Human rights. N. Fedorenko. Nov. vrem. 21 no. 51: 3 D '63.

CLASSIFICATION, DECIMAL

Experience in converting a library's holdings to the Universal Decimal Classification. M. K. Fokina, A. S. Fokin. Opyt rab. po tekh. inform. i prop. no. 3 32-35 '63.

CLAY
(see also subdivision under Erivan region; West Kopetdag)

Akademiia nauk SSSR. Laboratoriia gidrologicheskikh problem. [Formation of the properties of clay rocks in the lithogenetic process from the view point of engineering geology] Formirovanie inzhenerno-geologicheskikh svoistv glinistykh porod v protsesse litogeneza. Moskva, Izd-vo Akad. nauk SSSR, 1963. 222 p.

Diffusion displacement of salts in clays of the Baku Archipelago region. N. P. Zatenatskaia. Dokl. AN SSSR 152 no. 3 717-720 S '63.

CLEANING COMPOUNDS

"Chemization" of the manufacture of detergents. Masl.-zhir. prom. 29 no. 11:1-4 N '63.

Classification of the assortments of synthetic detergents. I. K. Getmanskii, P. A. Gribanov. Trudy NIISZHIMSa no. 3:91-94 '62.

Solubilization of the contamination products of motor oils by the cleaning action of metal sulfonates. S. E. Krein, A. B. Vipper, IU. N. Shekhter. Khim. i tekh. topl. i masel 8 no. 11:52-57 N '63.

CLEANING COMPOUNDS—DRYING

Factors affecting the drying process of the composition of synthetic cleaning compounds and characteristics of the obtained powders. F. V. Nevolin. Masl.-zhir. prom. 29 no. 10:15-17 O '63.

Methods for the design and calculation of an experimental spray-drying system for the production of detergents. E. E. Kasperovich, N. P. Shakhrova, I. K. Getmanskii. Trudy NIISZHIMSa no. 3:98-104 '62.

CLEANING COMPOUNDS—TESTING

Detergency of aqueous solutions of alkyl sulfates from the alcohols of the direct oxidation of syntaine in the removal of fatty stains. Report No. 1. M. P. Bespiatov, Zh. IA. Leshchenko. Trudy NIISZHIMSa no. 3:34-40 '62.

Effect of alkylolamide admixtures on the properties of alkyl aryl sulfonates. D. B. Orlechkin, N. V. Popova, O. I. Shapotko. Masl.-zhir. prom. 28 no. 10 27-28 O '62.

Surface-active characteristics and detergency of some polyethylene esters of nonyl phenols. F. V. Nevolin and others. Masl.-zhir. prom. 28 no. 10, 22-26 O '62.

CLEANING MACHINERY AND APPLIANCES

The 6913/2a unit for cleaning formwork. P. I. Tumarkin. Stroi. i dor. mash. 8 no. 11 33 N '63

CLEARING OF LAND—EQUIPMENT AND SUPPLIES see subdivision under Irkoyskiy region

CLERKS (RETAIL TRADE) see subdivision under Aleksandriyskaya (Stavropol Territory), Fort Shevchenko, Kazakhstan; Moscow; Tselinograd Province

CLICK BEETLES see subdivision under Malaya Almaatinka

CLIMACTERIC

Treatment of dysfunctional uterine hemorrhages in the climacteric by electrostimulation of the cervix uteri [with summary in English]. S. N. Davydov. Akush. i gin. 39 no. 1:33-38 Jl-Ag '63.

Vascular tonus in women during the climacteric period [with summary in English]. R. A. Meerzon. Viach. delo no. 11:43-49 N '63

CLIMATOLOGY see subdivision 'Climate' under Asia, Europe; Japan, Sea of

CLIMATOLOGY—RESEARCH

"Factory" of climate. M. Kolobkov. Nauka i zhyttia 13 no. 10:47 N '63.

CLOCKMAKING AND WATCHMAKING
(see also subdivision under Germany, East)

"Orbit" and satellites. Aleksandr Arlatov. Sov. Soiuz no. 11, 43-45 '63.

CLOCKS AND WATCHES

It is interesting to know. Sov. voin. 45 no. 14:47 Jl '63.

CLOSED-CIRCUIT TELEVISION

Set of apparatus for the production of motion pictures with the electronic method (with summary in English on p. 95). V. A. Burgov, S. R. Barbanel', A. I. Seredinskii. Tekh. kino i telev. 7 no. 10 1-9 O '63.

CLOSTRIDIUM

Action of antibiotics on the pathogen of tetanus in experiments in vitro and on animals [with summary in English] G. I. Kremlev. Antibiotiki 7 no. 10, 907-911 O '62.

Conditions for the formation of organic acids by pentose-utilizing bacteria cultured on the prehydrolysate of reed. D. L. Shamis, G. O. Berezina, M. G. Saubenova. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7 44-47 '63.

External outgrowths in the spores of anaerobic bacteria of the genus Clostridium. N. A. Krasil'nikov, V. I. Duda, A. A. Sokolov. Dokl. AN SSSR 152 no. 3, 735-736 S '63.

CLOTHING AND DRESS MEASUREMENTS

Design and construction of clothing. I. Ter-Ovakimian. Mest. prom. i khud. promys. 3 no. 9:25-26 S '62.

CLOTHING INDUSTRY
(see also subdivision under Lvov; Moscow, North Kazakhstan Province; White Russia)

Information. Shvein. prom. no. 5:35-40 S-O '63.

Questions and answers. Shvein. prom. no. 5:34-36 S-O '63.

CLOTHING INDUSTRY—ACCOUNTING

Standard accounting method in clothing enterprises. M. Zinger. Buship. uchet 29 no. 11:38-41 N '63.

CLOTHING INDUSTRY—AUDITING AND INSPECTION see subdivision under Baranovichi (White Russia)

CLOTHING INDUSTRY—COSTS

New norms for the processing costs of mass-produced clothing. N. L. Sotnikov. Shvein. prom. no. 5:1-4 S-O '63.

CLOTHING INDUSTRY—MANAGEMENT
(see also subdivision under Kiev)

Make better use of capital assets. N. I. Dzhurinskii. Shvein. prom. no. 5:5-7 S-O '63.

CLOTHING WORKERS—EDUCATION AND TRAINING see subdivison under Orel

CLOUD PHYSICS

Kinetic equation describing coagulating cloud droplets with allowance for condensation. Part 3. A. M. Golovin. Izv. AN SSSR. Ser. geofiz. no. 10:1571-1580 O '63.

CLOUDS
(see also subdivision under Crimea)
"Age" of particles in stratus. L. P. Mazin. Trudy TSAO no. 47:24-32 '63.
Breeze belts of clouds. N. I. Novozhilov. Priroda 52 no. 10:97-98 '63.
Effect of the gravitational fall of cloud drops on the water content of clouds. S. L. Lebedev. Izv. AN SSSR, Ser. geofiz. no. 11,1711-1716 N '63.
Growth of cumulonimbus and the characteristics of the overlying temperature field in the upper troposphere and in the tropopause zone. A. A. Reshchikova, V. I. Silaeva, S. M. Shmeter. Trudy TSAO no. 47 55-62 '63.
Recent research on the physics of flaky figurative cumulus. A. Kh. Khrgian. Trudy TSAO no. 47, 3-23 '63.
Vertical distribution of water in stratus and its relation to the temperature at the cloud base. E. I. Demidova, L. V. Nevzorova. Trudy TSAO no. 47 96-100 '63

CLUTCHES (MACHINERY)
Adjustment of ball friction clutches with a limiting moment. V. D. Spivakov. Sudostroenie 29 no. 11 59-60 N '63.
Pozdeev, A. D., and IA. B. Rozman. [Electromagnetic clutches and brakes with solid armatures] Elektromagnitnye mufty i tormoza s massivnym iakorem. Moskva, Gosenergoizdat, 1963. 103 p. (Biblioteka po avtomatike, no. 82)

COACERVATES
Dynamic stability of enzymatic coacervates in substrate solutions. A. G. Pasynskii, V. P. Slobodskaia. Dokl. AN SSSR 153 no. 2 473-476 N '63.

COAGULATION
Effect of neutral electrolytes on coagulation interaction in a suspension of glass globules. G. I. Fuks, N. I. Nikolaeva. Dokl. AN SSSR 153 no. 2 398-400 N '63.
Effect of the electromagnetic delay of molecular attraction on the coagulation concentrations of electrolytes. B. V. Deriagin, V. P. Smilga. Dokl. AN SSSR 153 no. 2 377-378 N '63.

COAL
(see also subdivision under Kansk-Achinsk Basin)
Skliar, M. G., and IU. B. Tiutiunnikov. [Laboratornaia praktika po khimii tverdykh goriuchikh iskopaemykh. Pod red. L. L. Nesterenko. Khar'kov, Izd-vo Khar'kovskogo univ., 1962. 194 p

COAL—ANALYSIS
(see also subdivision under Kuznetsk Basin)
Sessions of the International Commission of Coal Petrographic Analysis and Coal Petrographic Nomenclature. P. P. Timofeev, L. I. Bogolubova. Izv. AN SSSR Ser. geol. 28 no. 7:109-112 Jl '63.

COAL—DRYING
Experiment in coal slurry drying in a fluidized bed. M. I. Bellin and others. Koks i khim. no. 11,18-20 '63.

COAL—NOMENCLATURE
Sessions of the International Commission of Coal Petrographic Analysis and Coal Petrographic Nomenclature. P. P. Timofeev, L. I. Bogolubova. Izv. AN SSSR, Ser. geol. 28 no. 7:109-112 Jl '63.

COAL—TESTING
Serhatiuk, A. Kh. [Induced polarization of coal] Vyklykana poliarizatsiia vykopnoho vuhillia. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 64 p.

COAL, PULVERIZED
Approximate calculation of the burning-out of a flame tongue of pulverized lean or hard coal. B. S. Tishchenko. Trudy Od. tekh. inst. 14:47-54 '62.

COAL GEOLOGY
(see also subdivision under Tunguska Basin)
Accumulation of coals. A. V. Pavlov, A. I. Gusev. Inform. sbor. NIIGA no. 32:37-44 '62.
Distribution of germanium in the cross section of a simple coal seam. A. V. Pavlov, E. I. Fokina. Inform. sbor. NIIGA no. 30:42-51 '62.

COAL GEOLOGY—MAPS
(see also subdivision under Yakutia)
New map of the distribution of coal-bearing sediments in the U. S. S. R. G. F. Krasheninnikov, A. V. Tyzhkov. Izv. AN SSSR, Ser. geol. 28 no. 7:94-97 Jl '63.

COAL MINERS see subdivision under Magadan Province

COAL MINERS—DISEASES AND HYGIENE
Clinicoroentgenological characteristics of anthracosis in persons working in soft coal mines [with summary in English]. D. I. Murzenko, M. A. Bass. Vest. rent. i rad. 38 no. 5:31-33 S-O '63.

COAL MINES AND MINING
(see also subdivision under Karaganda Province; Yakutsk region)
Automating the high pressure hydraulic breaking-down of coal. I. F. TSIapko. Trudy VNIIGidrouglia no. 1:3-13 '62.
Classification and the future of certain flow sheets of manless coal mining. V. V. Gubin. Trudy VNIIGidrouglia no. 1 58-63 '62.
Possible flow sheets for the mining of inclined and steeply pitching seams using gravity haulage. V. G. Kiselev, A. I. Kuprin. Trudy VNIIGidrouglia no. 1:64-68 '62.
Research on the weakening of coal seams in rock massifs in order to increase the efficiency of hydraulic mining. L. M. Pal'chikov. Trudy VNIIGidrouglia no. 1 14-24 '62.
Selecting an efficient position of cross holing in the seam thickness of support pillars. G. I. Zhabin. Trudy VNIIGidrouglia no. 1 49-57 '62.
Shteinbuk, V. L. [Flameless blasting in coal mines] Besplamennoe vzryvanie na ugol'nykh shakhtakh. Kiev, Gostekhizdat USSR, 1963. 93 p.

COAL MINES AND MINING—ACCIDENTS see subdivision under Donets Basin, Kuybyshev Province

COAL MINES AND MINING—ACCOUNTING
A branch machine accounting center is one of the most efficient forms of machine accounting. V. Sil'chenko. Bukhg. uchet 29 no. 10 6-8 O '63.

COAL MINES AND MINING—EQUIPMENT AND SUPPLIES
Shield method of hydraulic mining of steeply pitching seams. G. I. Zhabin, V. R. Sal'nikov. Trudy VNIIGidrouglia no. 1 42-48 '62.
Theoretical head of centrifugal coal suction pumps. V. S. Lapaev. Trudy VNIIGidrouglia no. 1,90-100 '62.
Using caption for coal suction pumping machinery elements and the technology of their manufacture. V. A. Tat'kov, P. I. IUrin. Trudy VNIIGidrouglia no. 1 81-89 '62.

COAL MINES AND MINING—FINANCE
Bro, G. G., O. B. Bokii, and Sh. B. Skotov. [Financial and economic operations of underground and open-cut coal mines, an economic analysis] Finansovo-khoziaistvennaia deiatel'nost' ugol'noi shakhty i razreza, ekonomicheskii analiz. Pod obshchei red. O. B. Bokiia. Moskva, Gosgortekhizdat, 1963. 311 p.

COAL MINES AND MINING—HYGIENIC ASPECTS see subdivision under Lvov-Volyn' Basin

COAL MINES AND MINING—MANAGEMENT
Boiko, A. A., ed. [Planning in the coal industry; a manual for preparing the technical, industrial and financial plan] Planirovanie v ugol'noi promyshlennosti, spravochnik po razrabotke tekhpromfinplana. Moskva, Gosgortekhizdat, 1963. 342 p.

COAL MINES AND MINING—SAFETY MEASURES
Leibov, R. M., and D. N. Ogloblin, eds. [Safety measures in the coal industry] Tekhnika bezopasnosti v ugol'noi promyshlennosti. Moskva, Gosgortekhizdat, 1963. 317 p.

COAL MINES AND MINING—TECHNOLOGICAL INNOVATIONS see subdivision under Karaganda Basin;

COAL MINING MACHINERY
Moscow. Institut gornogo dela imeni A. A. Skochinskogo. [Problems in the mechanization of mining operations] Problemy mekhanizatsii gornykh rabot. Moskva, Izd-vo Akad. nauk SSSR, 1963. 198 p.

COAL PREPARATION
(see also subdivision under Donets Basin)
Investigating rock disintegration by sogginess. L. L. Papushin, V. N. Beizer, O. M. Militin. Koks i khim. no. 11:12-14 '63.
Our mail. A. V. Medvedev, V. N. Petukhov. Koks i khim. no. 11,63-64 '63.

COAL PREPARATION PLANTS
Introducing a new profession in the modern coal preparation plants. N. G. Bocharov. Koks i khim. no. 11:24 '63.

COAL PREPARATION PLANTS—EQUIPMENT AND SUPPLIES
(see also subdivision under Yasinovka)
Mushlovin, L. B. [Determining and evaluating the results of coal treatment on coal preparation machines] Opredelenie i otsenka rezul'tatov obogashchenila na ugleobogatitel'nykh mashinakh. Moskva, Gosgortekhizdat, 1963. 165 p.

COAL TAR
Use of gas producer tar. T. I. Vas'kovskii, E. I. Burnina. Ogneupory 28 no. 12,569 '63.

COAST CHANGES
(see also subdivision under Black Sea; Odessa region)
Created by man. L. Rozova'kyi. Nauka i zhyttia 13 no. 10:31-33 N '63.
Streams of mud sediments along seashores. V. P. Zenkovich. Izv. AN SSSR, Ser. geog. no. 6:27-34 N-D '63.
Studies of ocean and sea coasts. G. A. Orlova. Izv. AN SSSR, Ser. geog. no. 6:134-136 N-D '63

COAXIAL CABLES
Distortion of nanosecond impulses propagating through a coaxial cable. G. V. Glebovich. Radiotekhnika 18 no. 10 51-62 O '63

COBALT—ANALYSIS
Determination of cobalt in cobalt naphthenate. G. P. Svistunova, E. A. Emelin, IA. A. TSarfin. Zav. lab. 29 no. 11 56-57 '63.
Determination of ultramicroquantities of cobalt in plant phorus by a kinetic method [with summary in English] V. M. Peshkova, L. F. Dolmanova, N. M. Smirnova, Zhur. anal. khim. 18 no. 10:1226-1232 O '63.

COBALT CARBONYLS
Formation of cobalt carbonyls from metallic cobalt (powder) and carbon monoxide. D. P. Krylkin, P. M. Rudkovskii. Khim. prom. no. 9, 655-660 S '63.

COBALT COMPOUNDS
Aquation of some complex compounds of trivalent cobalt. V. D. Panasiuk, S. A. Shevchenko. Ukr. khim. zhur. 29 no. 11,1142-1147 '63.
Configuration equilibrium in solutions of chloride and thiocyanate complexes of cobalt. V. P. Vasil'ev and others. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 5:712-716 '63.

COBALT ISOTOPES—THERAPEUTIC USE
Importance of the difference between the gamma-radiation of radium and radioactive cobalt (Co^{60}) in clinical practice [with summary in English]. N. D. Petrova. Trudy Inst. onk. AMN SSSR, no. 1 118-127 '63.

COBALT-NICKEL-IRON ALLOYS see iron-cobalt-nickel alloys

COCONUT see subdivision under Indonesia

CODEHYDROGENASES
Distribution of the succinic dehydrogenase and DPN-diaphorase in the reticular brain formations of some mammals. E. I. Il'ina-Kakueva. Dokl. Akad. nauk SSSR 162 no. 5:1267-1269 O '63.

COELENTERATA, FOSSIL
Phylum Coelenterata. T. A. Dobrolubova, N. V. Podkovyrov. Trudy SNIIGGIMS no. 21:115-131 '62.

COELICOMYCIN
Age-related characteristics of Actinomyces [illegible] coelicomycin (actinomycin K), and a surface culture. N. V. Abramova. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7 116-119 '63.
Effect of ultraviolet rays on the pigmentless variant, producer of coelicomycin. M. Kh. Shigaeva. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7,109-115 '63.
Characteristics of a pigmentless variant of Actinomyces coelicolor, producer of coelicomycin. M. Kh. Shigaeva. Trudy Inst. mikrobiol. i virus AN Kazakh SSR 7,103-108 '63.
Comparative study of coelicomycin and antibiotics of typical strains of Actinomyces coelicolor. I. A. Voinova, U. A. Sarbaeva, M. V. Goleskokova. Trudy Inst. mikrobiol. i virus AN Kazakh SSR 7,119 [illegible] '63.
Specificity of interrelations and the antibiotic spectrum of the producers of coelicomycin and typical strains of Actinomyces coelicolor. U. A. Sarbaeva. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7,101-109 '63.
Therapeutic properties of coelicomycin and its interaction on the causative agent of infection in [illegible]. Bulitskaia, G. G. Fedorenko. Trudy Inst. mikrobiol. i virus AN Kazakh SSR 7; 83-89 '63.
Variability of Actinomyces coelicolor, producer of coelicomycin, induced by ultraviolet rays. M. [illegible] gaeva, V. D. Sivertseva. Trudy Inst. mikrobiol. i virus AN Kazakh SSR 7,90-94 '63.

COINS, ORIENTAL see subdivision under Persia

COKE
New scientific discoveries and technological [illegible]. Ukraina no. 9:4-5 My '62.

COKE—TESTING
Testing of coke produced in high-capacity ovens. N. T. Pavlova, K. A. Degtiarev, N. G. Novikova. Koks i khim. no. 11:25-28 '63.

COKE INDUSTRY
(see also subdivision under Kharkov; Ukraine, Yasinovka; Zaporozh'ye)
Experience in the operation of power supply [illegible] a factory. V. I. Var'ev, V. G. Mitlushkin, I. V. [illegible] nenko. Koks i khim. no. 11,59 '63.
From pages of the factory wall newspapers. Koks i khim. no. 11:61 '63.

COKE INDUSTRY—BY-PRODUCTS
Chemical products from coking for the big chemistry. Koks i khim. no. 11:3-6 '63.
Future of coal chemicals. Koks i khim. no. 11 [illegible] '63.

COKE INDUSTRY—EQUIPMENT AND SUPPLIES
Lengthening the service life of equipment. A. [illegible] novich. Koks i khim. no. 11:57-58 '63.

COKE-OVEN GAS

Improving the removal of coke-oven gas from the coking chambers. A. S. Gonov. Koks i khim., no. 11:11 '63.

COKE-OVEN GAS—DRYING

Drying of coke-oven gas in the gas producing shops of the Yenakiyevo Coke and Coal Chemicals Plant. S. I. Zinkovskiy, N. I. Makedonova. Koks i khim., no. 11:12-14 '63.

COKING PLANTS—DESIGN AND CONSTRUCTION

Use of stone casting for the paving plates of coke batteries. N. I. Mikhaylov. Koks i khim., no. 11:58 '63.

COLD—PHYSIOLOGICAL EFFECT

Did the "Siberian miracle" exist? A. Nepomnyashchyi. Nov. v zhyttia 13 no. 10:44-45 N '63.

COLD STORAGE WAREHOUSES
(see also subdivision under Leningrad; Moscow, Zhukovski Moscow Province)

Automation of large wholesale cold storage warehouses. Sh. N. Kobulashvili. Ser. IIB Nov. mashi., obor. i sred. avtomatiz., no. 59:4-11 '63.

Automation of wholesale cold storage warehouses according to the plans of the State Institute for the Design and Planning of Refrigeration and Dairy Industry Establishments. Iu. S. Krylov. Ser. IIB Nov. mashi., obor. i sred. avtomatiz. no. 59:42-61 '63.

From the resolution of the All-Union Conference on the Automation of Refrigerating Machinery in Large Cold Storage Warehouses. Ser. IIB Nov. mashi., obor. i sred. avtomatiz. no. 59:86 '63.

Use of electronic machines for the automation of cold storage warehouses. G. M. Kasatkina. Ser. IIB Nov. mashi., obor. i sred. avtomatiz. no. 59:51-52 '63.

COLD WELDING

Corrosion resistance of joints in titanium alloys made by diffusion bonding. G. K. Khrushchenko, L. N. Agapol'skaia. Avtom. svar. 16 no. 10:90 O '63.

Joints in titanium made by diffusion bonding in vacuum. V. I. Kazakov, A. P. Shishkova, K. L. Churakhina. Avtom. svar. 16 no. 10:82-86 O '63.

COLD WELDING—BIBLIOGRAPHY see Bibliography—Cold welding

COLIMYCIN

Antimicrobial action of penicillin and colimycin in infected lymph nodes in white rats [with summary in English] V. N. Solov'ev, I. R. Balyn'. Antibiotiki 7 no. 10:921-925 O '62.

Therapeutic effectiveness of albomycin and colimycin administered alone and in combination on a model of chronic colitis and secretory function of the stomach. A. L. Homan'. Zdravookhranenie 6 no. 5:48-52 S-O '63.

COLITIS

Changes in liver and biliary function in chronic colitis. A. IA. Gubergrits. Kaz. med. zhur. no. 5:10-11 S-O '63.

Effect of rectally introduced novocaine on the course of chronic colitis and secretory function of the stomach. A. L. Homan'. Zdravookhranenie 6 no. 5:48-52 S-O '63.

COLLAGEN

Problem of dissolving and reconstituting collagen. A. A. Golovanova, L. S. Shostakova, N. V. Chernov. Izv. vys. ucheb. zav., tekh. leg. prom. no. 5:62-67 '63.

Protein-like polymer. V. G. Dobrobov, V. A. Shibnev. Priroda 52 no. 10:32-35 '63.

COLLAGEN DISEASES

Fluorescence studies on the urine [with summary in English]. B. A. Zenin, I. S. Goldenberg. Klin. med. 41 no. 4:36-40 Ap '63.

COLLECTIVE FARMS
(see also subdivision under Buda-Kosheleve District; Gazaly District; Kattakurgan District; Kuva District; Moscow Province; Pavlovskaya District; Shirabad District, White Russia)

Akademiia nauk SSSR. Institut gosudarstva i prava. [Legal problems in eliminating the difference between collective farm and public property] Pravovye voprosy ustraneniia kolkhoznoi i obshchenarodnoi sobstvennosti. Moskva, Gosiurizdat, 1963. 423 p.

Business accounting in a collective farm automobile depot. M. Sidorenko. Ekon. sel'khoz. 34 no. 11:101-103 N '63.

Collective farm envoys on the lands of White Russia and Bulgaria. V. Ponomarev. Ogonek 41 no. 43:2-5 O '63.

Everyday life on a collective farm. Galina Vasilenskaia. Rab. i sial. 39 no. 11:12-13 N '63.

Methods for calculating differential rent on collective farms. G. Romanchenko. Ekon. sel'khoz. 34 no. 11: 89-96 N '63.

One of a few. Dm. Rud'. Nov. mir 38 no. 6:260-262 Je '62.

Participation of Leningrad workers in the collectivization of U.S.S.R. agriculture, 1929 to 1932. I. A. Ivanov. Ist. rab. klas. Len. no. 1:73-90 '62.

[The Party during the large-scale development of socialism. Creation of the collective-farm system (1929-1932)] Partiia v period nastupleniia sotsializma po vsemu frontu. Sozdanie kolkhoznogo stroia (1929-1932 gody), konsul'tatsii, metodicheskie sovety. [Moskva] Moskovskii rabochii, 1963, 141 p. (V pomoshch izuchaiushchim istoriiu KPSS)

Rakov, IA. N. [Differential rent under socialism] Differentsial'naia renta pri sotsializme Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 80 p. (Mn)

What did and what didn't a French scholar see in Soviet rural areas. M. A. Vyltsan, S. V. Mokin. Ist. SSSR 7 no. 6:199-202 N-D '63.

The years of rapid development. V. Zanoga, G. Eremina. Komm. Mold. 8 no. 9:24-28 S '63.

COLLECTIVE FARMS—ACCOUNTING
(see also subdivision under Brasiav District)

Accounting for work in a mechanized unit. I. P. Pavlichenko. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:27-28 O '63.

Business accounting on a collective farm. S. E. Stromilo. Uchet i fin. v kolkhoz. i sovkhoz 20 no. 10 11-12 O '63.

A multipurpose book-turnover journal. P. A. Peresunko. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10 33 O '63.

Pizengol'ts, M. Z. [Accounting for expenditures and financial results on collective farms] Uchet zatrat i finansovykh rezul'tatov v kolkhozakh Moskva, Sel'khozizdat, 1963. 205 p.

Replies to readers' questions. Uchet i fin. v kolkhoz i sovkhoz. 20 no. 10:64 O '63.

We should learn to compute. Andrii Shumylo. Ukraina no. 11, 7-8 Je '62.

COLLECTIVE FARMS—AUDITING AND INSPECTION
(see also subdivision under Minsk Province; Uzbekistan)

The primary party organization of a collective farm. F. Kozyrev, K. Sergeev. Part. zhizn' no. 21 40-48 N '63.

There is but a step from bad management to stealing. G. A. Shramkov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10 8-9 O '63.

COLLECTIVE FARMS—COSTS see subdivision under Mogilev Province

COLLECTIVE FARMS—FINANCE
(see also subdivision under Kiev Province)

[Costs, business accounting and profitableness on collective farms] Sebestoimost', khozraschet i rentabel'nost' v kolkhozakh. [Vologda] Vologodskoe knizhnoe izd-vo, 1963 102 p. (Reshenila noiabr'skogo plenuma TsK KPSS - v zhizn')

Edel'shtein, I. V., and V. V. Filipchenko. [Establishing norms and planning the working capital of a collective farm] Normuvannia i planuvannia oborotnykh koshtiv kolhospu. Kyiv, Derzhsil'hospvydav URSR, 1962. 88 p.

Ivanov, F. G. [Working assets of collective farms] Oborotnye sredstva kolkhozov. Moskva, Izd-vo VPSh i AON, 1963. 54 p.

Sidel'nikov, M. V. [Issuing a long-term credit to collective farms] Dolgosrochnoe kreditovanie kolkhozov. Moskva, Gosfinizdat, 1963. 58 p. (V pomoshch bankovskomu rabotniku)

COLLECTIVE FARMS—INCOME DISTRIBUTION
(see also subdivision under Kazakhstan, Perm Province)

Akademiia nauk SSSR. Institut ekonomiki. [Material incentives for developing the collective farm production] Material'noe stimulirovanie razvitiia kolkhoznogo proizvodstva. Moskva, Izd-vo Akad. nauk SSSR, 1963, 320 p.

Development of the general laws governing the distribution of collective and state farm property. G. P. Karmyshev. Trudy Inst. filos. i prava AN Kazakh. SSR 6:39-61 '63.

Gabidullin, V. M., and A. A. Pronin. [Collective farm incomes and their utilization] Dokhody kolkhozov i ikh ispol'zovanie. Moskva, Ekonomizdat, 1963. 106 p.

Ushina, L. V. [Wage organization and payment on collective farms] Organizatsiia i oplata truda v kolkhozakh. [Riazan'] Riazanskoe knizhnoe izd-vo, 1962. 23 p.

Khlobov, G. A., and E. A. Zinchenko. [Monetary wages on the "Trudovoi pakhar'" Collective Farm] Denezhnaia - oplata v kolkhoze "Trudovoi pakhar'." Alma-Ata, Kazsel'khozgiz, 1962. 46 p.

Shaibekov, K. A. [Legal forms of the remuneration of collective farmers] Pravovye formy oplaty truda v kolkhozakh. Moskva, Gosiurizdat, 1963, 302 p.

[Supplementary wages on collective farms] Dopolnitel'naia oplata truda v kolkhozakh. Moskva, Sel'khozizdat, 1963. 168 p.

Wages on collective farms. L. Suvorova. Agitator no. 21, 49-52 N '63.

Ways to evaluate labor on collective farms. T. Zaslavskaia. Vop. ekon. no. 10:64-73 O '63.

COLLECTIVE FARMS—INTERFARM COOPERATION
see subdivision under Ukraine, Vinnitsa Province, Zhitomir Province

COLLECTIVE FARMS—LAWS AND LEGISLATION

Judicial practice in the partition of collective farmsteads and the appurtenant land plots to withdrawing members. E. Ko. denko. Sov. iust. no. 20 13-14 O '63.

Legal aid to collective and state farms. A. Golos, A. Davydov. Sov. iust no. 22 23 N '63.

Let us improve the organization of legal aid to collective and state farms A. Karpinin, I. Sukharev. Sov. iust. no. 20 20 O '63.

Shaibekov, K. A. [Legal forms of the remuneration of collective farmers] Pravovye formy oplaty truda v kolkhozakh Moskva, Gosiurizdat, 1963 302 p.

Some problems concerning the public prosecutor's supervision of the observance of agricultural laws. I. Kuznetsov. Sots. zakon. 40 no. 10 29-36 O '63.

We shouldn't waste the monetary resources of collective farms V. Bilous, I. Shenkar. Rad. pravo no. 6 89-90 N-D '63

Volkov, A. I., and G. V. Ivanov [Collection of problems on collective-farm law] Sbornik zadach po kolkhoznomu pravu. [Moskva] Izd-vo Mosk. univ., 1963. 81 p.

COLLECTIVE FARMS—MANAGEMENT
(see also subdivision under Akkurgan District, Kiev Province, Ukraine)

Determining the efficient size of dairy farms. F. Shevtsov. Ekon. sel'khoz. 32 no. 7:56-66 Jl '61.

Differential rent and the economic conditions of collective farm management. IU. Sedyshev. Nauch. dokl. vys. shkoly, ekon. nauki 6 no. 6 33-44 '63.

Several economic problems in improving lagging collective farms. P. Ignatovskii Vop. ekon. no. 10 17-26 O '63.

COLLECTIVE FARMS—OFFICIALS AND EMPLOYEES

Autumn thoughts. A. Kavaliou. Belarus' 20 no. 11 9 N '63.

COLLEGE AND SCHOOL JOURNALISM

Let's call upon the collective for big deeds, from the pages of college newspapers. Vest. vys. shkoly 21 no. 11:33-35 N '63.

COLLEMBOLA

Dynamics of the abundance of Collembola (Insecta) in the composts of fallen leaves [with summary in English]. N. M. Chernova. Zool. zhur. 42 no. 9:1370-1383 '63.

COLLIMATORS

Measuring the rectilinearity of long guides by means of self-collimators E. I. Pinkel'shtein Izm. tekh. no. 12:9-12 D '63.

Mechanical neutron chopper with synchronized rotating collimator. S. M. Kalebin, G. V. Rukolaine, V. V. Sokolovskii. Prib. i tekh. eksp. 8 no. 4:48-53 Jl-Ag '63.

Operation of time-delay electronic collimators in case the specimen is coated with a thin inactive film V. F. Milkhailov. Prib. i tekh. eksp. 8 no. 5:49-50 S-O '63.

Practical use of the self-collimation method in measuring small angles and angular deviations G. I. Strakun Izm. tekh. no. 12:5-7 D '63.

COLLISIONS (NUCLEAR PHYSICS)

Collision integral for a plasma [with summary in English]. V. P. Silin. Izv. vys. ucheb. zav., radiofiz. 6 no. 4:702-708 '63.

Interrelationship of elastic and inelastic scattering cross sections in nonadiabatic atomic collisions. M. A. Kozhushner, IU. S. Sataev. Opt. i spektr. 15 no. 5:577-581 N '63.

Panin, B. V. [Some characteristics of the interaction of atomic particles of mean energies (10 to 100 Kev.) with solid bodies] O nekotorykh osobennostiakh vzaimodeistvila atomnykh chastits srednikh energii (10-100 kev) s tverdymi telami. Moskva, In-t atomnoi energii AN SSSR, 1960, 44 p.

Remarks on hyperon production in nucleon-nucleon collisions. V. A. Liul'ka. Izv. vys. ucheb. zav., fiz. no. 5 55-57 '63.

COLLOIDAL FUEL see Fuel, Colloidal

COLLOIDS

Development of the method of purification of xylose solution prior to hydrogenation [with summary in English on p. 166]. E. R. Leikin, S. L. Gutina, V. IA. Moshkova. Shor. trud. NIIGS 11:77-85 '63.

Possibility of changing the texture of silicic acid xerogels in the process of vapor sorption. B. M. Mitsiuk, Z. Z. Vysotskii. Dokl. AN SSSR 152 no. 5:1166-1168 O '63.

COLOMBIA—AGRICULTURE

Agrarian problem in Colombia. A. Sivolobov. Ekon. sel'khoz. 32 no. 7:121-124 Jl '61

COLON (ANATOMY)—TUMORS

Changes in the rectosigmoid part of the large intestine in tumors and inflammatory diseases of the true pelvis. P. D. Fedotov. Vop. klin. pat. no. 2:91-102 '61.

COLONIES

Traditional distortion of the real nature of colonialism. V. F. Petrovskii. Vop. ist. 38 no. 11, 186 N '63.

COLOR

Improving the method for determining the chromaticity of sugar products. S. Z. Ivanov, A. R. Sapronov, V. G. Chernikina. Sakh. prom. 37 no. 10:5-11 O '63.

COLOR—PHYSIOLOGICAL EFFECT

About visible light and audible sound. B. Plavinas. Nauka i zhyttia 13 no. 10 36-39 N '63.

Klemantso, V. F. [Interior decoration painting] Vnutrennie malifarno-dekorativnye raboty. Pod red. A. M. Smirnova. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 70 p.

COLOR CENTERS

Continuous model of an F-center in AgBr. V. M. Bulmistrov. Fiz. tver. tela 5 no. 11:3264-3272 N '63.

Theoretical examination of the energy of an electron transition corresponding to a β-band. Van Chzhi-gan [Wang Chih-kang]. Fiz. tver. tela 5 no. 11 3231-3237 N '63.

COLOR CENTERS—PHOTOELECTRIC PROPERTIES

Radiative and nonradiative electron transitions in F-centers. P. K. Gorbenko. Izv. vys. ucheb. zav., fiz. no. 5 73-75 '63.

COLOR MOTION PICTURES see subdivision under Azerbaijan

COLORIMETRY

Rapid colorimetric method of determining the humus composition of soils and soil solutions. V. P. TSyplenkov. Pochvovedenie no. 10:91-95 O '63.

COLORING MATTER IN FOOD

Kafka, B. V., G. A. Liadova, and R. D. Normanova. ["Eno" coloring matter and its use for coloring confectionery products] Enokraskitel' i ego primenenie pri okrashivanii konditerskikh izdelii. Moskva, Pishchepromizdat, 1963. 31 p.

COLUMBATES—ANALYSIS

Microanalytic methods of the analysis of simple tantalumniobates. L. E. Novorossova, T. N. Leonova. Trudy IMGRE no. 18:168-174 '63.

COLUMNS

Calculation of precast reinforced concrete foundations for columns. S. A. Rivkin. Osn., fund. i mekh. grun. 5 no. 6 6-12 '63.

COLUMNS, CONCRETE

Calculation of reinforced concrete columns of single-story industrial buildings for crane load. IU. A. Kashirskii. Trudy Ural. politekh. inst. no. 131:12-19 '63.

Study of the function of a socketlike joint of a column with a foundation. L. V. Korolev, N. N. Korovin. Bet. i zhel.-bet. 9 no. 10 459-462 O '63.

COMA

Adrenal coma following excision of an ovarian cyst. S. E. Pollak. Akush. i gin. 39 no. 4, 119-120 Jl-Ag '63.

Review of A. E. Lichko's book "Insulin comas. Clinical aspects, mechanisms of the development, and insulin shock treatment of psychoses." S. G. Genes. Probl. endok. i gorm. 9 no. 5:118-120 S-O '63.

COMBINES (AGRICULTURAL MACHINERY)

Organization of combine manufacturing plants in the U. S. S. R. I. I. Kolomiitchenko. Ist. SSSR 7 no. 6 104-114 N-D '63.

COMBINES (AGRICULTURAL MACHINERY)—MAINTENANCE AND REPAIR

Take care of the combine. V. Matveev. Sel'. mekh. no. 10, 32 O '63.

COMBUSTION

Approximate calculation of the burning-out of a flame tongue of pulverized lean or hard coal. B. S. Tishchenko. Trudy Od. tekh. inst. 14, 47-54 '62.

Chromatographic determination of carbon monoxide and oxygen in the products of fuel combustion. A. D. Likhachev. Zav. lab. 29 no. 11:1302-1304 '63.

Study of the burning to detonation transition of explosives. Part 2: On the stability of the normal combustion of powdered explosives [with summary in English]. K. K. Andreev, V. V. Gorbunov. Zhur. fiz. khim. 37 no. 9: 1958-1965 S '63.

COMETS

On the comet's tail. V. Burdakov. IUn. tekh. 8 no. 11: 24-28 N '63.

Vsekhsviats'kyi, S. K. [Origin and development of comets and other minor bodies] IAk vynykaiut' i rozvyvaiut'sia komety ta inshi mali tila. [Kyiv] Vyd-vo Kyivs'koho univ., 1963. 93 p.

COMMERCE

Shil'dkrut, V. A. [Price problems of the world capitalist market] Problemy tsen mirovogo kapitalisticheskogo rynka. Moskva, Sotsekgiz, 1963. 318 p.

[World capitalist market of electric household appliances] Mirovoi kapitalisticheskii rynok bytovogo elektrooborudovaniia. Moskva, 1963. 64 p. (Biulleten' inostrannoi kommercheskoi informatsii, prilozhenie, no. 13)

COMMERCIAL AERONAUTICS see Aeronautics, Commercial

COMMERCIAL CORRESPONDENCE

Rozenblium, R. I. [Correspondence and office management of trade organizations and enterprises] Korrespondentsiia i deloproizvodstvo torgovykh organizatsii i predpriiatii. Moskva, Gostorgizdat, 1962. 143 p. [Cover title: Torgovaia korrespondentsiia]

COMMERCIAL CRIMES

It happened in a department store. V. Verzubov. Sots. zakon. 40 no. 11 77 N '63.

Leont'ev, B. M. [Criminal responsibility for commercial crimes] Otvetstvennost' za khoziaistvennye prestupleniia. Moskva, Gosiurizdat, 1963. 189 p.

COMMERCIAL LAW

Boguslavskii, M. M. [Legal problems of Soviet technical assistance to foreign countries and license agreements] Pravovye voprosy tekhnicheskoi pomoshchi SSSR inostrannym gosudarstvam i litsenzionnye dogovory. Moskva, Izd-vo Akad. nauk SSSR, 1963. 244 p.

Consulting lawyers should observe the precepts of legal ethics. V. Mikhailov. Sots. zakon. 10 no. 10 52-53 O '63.

How a legal section lends its assistance to an economic council. I. Glotova. Sov. iust. no. 22 25 N '63.

Our work experience. A. Rapoport. Sov. iust. no. 22: 27-28 N '63.

COMMUNICATIONS, MILITARY

Arsen'ev, N. [Heroes, signalmen] Geroi - sviazisty. Moskva, Izd-vo DOSAAF, 1963. 145 p.

Miniature range communications. V. Tolstyi, M. Gurin. Voen. vest. 43 no. 10, 107-110 O '63.

Training is initiated by an exact plan. A. Bazanov. Voen. vest. 43 no. 11:115-117 N '63.

We are preparing a training base. A. Kirilychev, P. Degonskii. Voen. vest. 43 no. 11 120-122 N '63.

COMMUNISM

(see also subdivision under Kazakhstan; Latin America)

Characteristics of the transition from socialism to communism. K. Rakhmetov. Trudy inst. filos. i prava AN Kazakh. SSR 8, 3-21 '63.

Communism begins today. Znam sila 36 no. 10:1-2 O '61.

Communist ideology is a great transforming power. Polit. samoobr. 7 no. 8:3-8 Ag '63.

Correlation between economics and politics. A. Zaitsev. Otv. na vop. tiud. no. 8 2-12 Ag '63.

The correlation of politics and economics under socialism. V. Fomina. Polit. samoobr. 7 no. 8 57-61 Ag '63.

The elite of builders of communism. Metallurg 8 no. 10:1-2 O '63.

A few hints. D. Balika. V mire knig 3 no. 10, 41-42 O '63.

"History of socialist theories." Reviewed by A. D. Kolpakov. Vop. ist. 38 no. 11:131-133 N '63.

Il'ichev, L. F., and others. [Discussions on political topics] Besedy na politicheskie temy. Moskva, Politizdat, 1964. 342 p.

Improving production in an enterprise as a form to manifest the substance of the production relations of socialism. M. P. Osad'ko. Vest. Mosk. un. Ser. 8: Ekon., filos. 18 no. 6:15-26 N-D '63.

[The international solidarity of the workers in the struggle for peace and national liberation from fascist aggression, and for the complete destruction of fascism in Europe and Asia; 1938-1945] Mezhdunarodnaia solidarnost' trudiashchikhsia v bor'be za mir i natsional'noe osvobozhdenie protiv fashistskoi agressii, za polnoe unichtozhenie fashizma v Evrope i Azii; 1938-1945. Moskva, Sovetskaia Rossiia, 1962. 798 p. (CSTmoR)

Khrushchev, N. S. [The revolutionary worker and the communist movement; the 1956-1963 addresses] O revoliutsionnom rabochem i kommunisticheskom dvizhenii; iz vystuplenii 1956-1963 gg. Moskva, Izd-vo lit-ry na inostr. iazykakh, 1963. 127 p.

Khrushchev, N. S. [Socialism and communism, from his addresses of 1956-1963] Sotsializm i kommunizm; iz vystuplenii 1956-1963 gg. Moskva, Izd-vo lit-ry na inostrannykh iazykakh, 1963. 191 p.

Leningrad. Universitet. Kafedra politicheskoi ekonomii. [Lecture course in economics; the communist method of production] Kurs lektsii po politicheskoi ekonomii; kommunisticheskii sposob proizvodstva. [Leningrad] Izd-vo Leningr. univ., 1963. 480 p.

Light of the Great October. Doshk. vykh. no. 11:1-2 N '63.

The lights of Leninist ideas. B. Ustsinau. Belarus' 20 no. 10:2-3 O '63.

Moscow. Institut povysheniia kvalifikatsii prepodavatelei obshchestvennykh nauk. [Political economy of socialism] Politicheskaia ekonomiia sotsializma; kurs lektsii. [Moskva] Izd-vo Moskovskogo univ., 1963. 686 p.

National holiday. M. Likhachev. Radio no. 11, 1-2 N '63.

Nilov, A. V. [The development of the socialist state during the period of the large-scale building of communism] Razvitie sotsialisticheskoi gosudarstvennosti v period razvernutogo stroitel'stva kommunizma [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1959 20, [2] p. (Reshenia XXI s"ezda KPSS - v zhizn') (MII-L)

The path of humanity to freedom. B. I. Konstantinov. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 6 71-74 N-D '63.

The revolution does not age. James Aldridge. Oper. i 41 no. 15 21 N '63.

Science and ideology. D. Troshyn. Nauka i zhyttia 13 no. 10:10-43 N '63.

Science of life and labor. F. Petrov. V mire knig 3 no. 9 30-10 S '63.

Skuman, A. P. [From a socialist to a communist economy] Ot sotsialisticheskoi k kommunisticheskoi ekonomike. Minsk, Izd-vo MVSS i PO BSSR, 1963. 82 p.

Through joint and individual labor! Obshchestv. pit. no. 8, 3-15 Ag '63.

Two worlds and two ideologies. I. Alekseievich. Belarus' 20 no. 9 4-5 S '63.

We should educate ardent patriots of the Soviet land. Radio no. 9 1-2 S '63.

What is incompatible is incompatible. B. Leont'ev, V. Ivanov. komm. no. 9 21-31 S '63.

COMMUNISM—BIBLIOGRAPHY see Bibliography—Communism

COMMUNISM—STUDY AND TEACHING

Model subject plan for political groups on the topic "Communism as a practical task of our generation. Komsom. zhizn' no. 10:23-31 S '63.

COMMUNISM AND ART

The Communist Party is the guiding and directive force in the development of Soviet art. Iskusstvo 26 no. 7:7-15 '63.

Greatness of an art bearing the truth. Sl. Petrov. V. lit. 7 no. 10 3-25 O '63.

Immediate tasks of ideological work of the Party. Resolution passed by a Plenum of the Central Committee of the CPSU. Iskusstvo 26 no. 7:2-6 '63.

A reliable guide. K. P. Volynskyi. Rad. lit. 7 no. 6: 3-7 N-D '63.

COMMUNISM AND LITERATURE

(see also subdivision under Tajikistan)

A reliable guide. K. P. Volynskyi. Rad. lit. 7 no. 6: 3-7 N-D '63.

V. I. Lenin and problems of literary research. P. Gromovich. Zvezda no. 5:200 My '62.

Voices getting stronger. S. Borzunov. Sov. voin. 43 no. 22:34-36 N '63.

Word of the party is a call for action. D. O. Ilyin. T. no. 6:146-147 N-D '63.

COMMUNIST COUNTRIES—CONSTITUTIONAL LAW

Akademiia nauk SSSR. Institut gosudarstva i prava. [Constitutional law of socialist countries] Konstitutsionnoe pravo sotsialisticheskikh stran, sbornik statei. Pod red. V. F. Kotoka i N. P. Farberova. Moskva, Izd-vo Akad. nauk SSSR, 1963. 326 p.

COMMUNIST COUNTRIES—ECONOMIC CONDITIONS

Akademiia nauk SSSR. Institut ekonomiki mirovoi sotsialisticheskoi sistemy. [Economy of socialist countries, 1960-1962] Ekonomika stran sotsializma, 1960-1962 gg. Moskva, Izd-vo "Ekonomika," 1964. 261 p.

COMMUNIST COUNTRIES—FOREIGN ECONOMIC RELATIONS—CUBA

Akademiia nauk SSSR. Institut Latinskoi Ameriki. [Five years of the Cuban Revolution] Piat' let kubinskoi revoliutsii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 243 p. illus.

The hopes of the enemies will not come true. S. Grigor'ev. Mezhdunar. zhizn' 10 no. 11, 101-105 N '63.

COMMUNIST COUNTRIES—SURGERY—CONGRESSES

International Symposium on Vascular Surgery. Vest. khir. 91 no. 7:116-119 Jl '63.

COMMUNIST EDUCATION

(see also subdivision under Almalyk; Kharkov, Uzbekistan)

About the textbook "Social science." N. Barabashov, E. Strukov. Polit. samoobr. 7 no. 8, 04-07 Ag '63.

Communist Youth League and Pioneer clubs in the U. S. V. Strunin. Nar. obr. no. 9:72-76 S '63.

Comprehensive education and training. Fiz. v shk. 26 no. 3:6-8 My-Je '63.

Discuss the communist principles in training students in medical schools. A. N. Radkevich. Fel'd. i akush. 28 no. 11:54-58 N '63.

Discussing a coming book. Nar. obr. no. 12:[illegible]

Diversify the methods of the work with propagandists. N. Musina. Polit. samoobr. 7 no. 8, 87-88 Ag '63.

COMMUNIST EDUCATION (Continued)

Dynamic section of our work. N. A. Petrov. Sred. spets. obr. 10 no. 11 39-41 N '63.

Higher standards of educational work! Put' i put. khoz. 7 no. 10:1-2 '63.

Ideological committee in an institution of higher learning. K. I. Bobkov. Vest. vys. shkoly. 21 no. 11:73-75 N '63.

Ideological education of party officials. Vest. sviazi 23 no. 10:1-2 O '63.

Ideological support for the building of communism. E. Bugaev. Part. zhizn' no. 21 11-22 N '63.

An important means of the ideological education of youth. Komsom. zhizn' no. 18:1-4 S '63.

Klara Zetkin on ideological and moral education. V. Klarin. Nar. obr. no. 12:111-116 D '63.

A model teaching plan. Komsom. zhizn' no. 20:28-31 O '63.

More thoroughness and more system! Nar. obr. no. 12:81-86 D '63.

The most important task of the humanities is the forming of students' communist world view. Sov. pedag. 27 no. 9:3-10 S '63.

Ol'khovskii, E. S. [Training of academic youth] Vospitanie studencheskoi molodezhi. [Leningrad] Lenizdat, 1963. 56 p. (Bibliotechka sekretaria partiinoi organizatsii)

[Program on the study of the principles of communist education, for study groups, seminars, as well as those who follow individual study plans in the party educational system] Programa vyvchennia osnov komunistychnoho vykhovannia, dlia hurtkiv, seminariv i tykh, khto navchaiet'sia za indyvidual'nymy planamy v systemi partiinoi osvity. Kyiv, Derzhpolitvydav URSR, 1963. 29 p.

Student conferences on theory. A. B. Reznik. Prep. ist. v shkole 18 no. 6:84-85 N-D '63.

Sukhinina, Z. P., and V. I. Dukhnevich. [Learn to work and live in the communist way] Uchit'sia rabotat' i zhit' po-kommunisticheski. Moskva, Metallurgizdat, 1963. 29 p. (Osnovy ekonomiki predpriiatii chernoi metallurgii)

There is no room for indifference! Nar. obr. no. 12:1-5 D '63.

Training of high moral qualities within the Pioneer organization. T. E. Konnikova. Sov. pedag. 27 no. 9:24-40 S '63.

COMMUNIST EDUCATION—BIBLIOGRAPHY see Bibliography—Communist education

COMMUNIST EDUCATION—PERIODICALS

Periodical "Politicheskoe samoobrazovanie" as an aid to social science teachers. Prep. ist. v shkole 18 no. 6:92-94 N-D '63.

COMMUNIST ETHICS

Bludov, IA. S., and A. M. Stepanchenko. [Simplicity and modesty] O prostote i skromnosti. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 158 p.

Bondarenko, P. T. [The new man is molded by work] V trude formiruetsia novyi chelovek. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 84 p.

A book on the categories of ethics. V. G. Nesterov. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 5:124-126 '63.

The code of communist ethics. O. Adamov, A. Sushkova. Komm. Mold. 8 no. 9 49-60 S '63.

Did the seminar fulfill its task? S. Epstein. Polit. samoobr. 7 no. 9:85-87 Ag '63.

Formation of the new man in the groups of communist labor. S. Emel'ianova. Izv. AN Latv. SSR no. 6:3-13 '63.

Friend, we shall help you! N. Dadykina. Mol. komm. no. 9:65-70 S '63.

Gerasimenko, A. I. [Such is the duty of a Communist; Communists must be in the forefront always and in any situation] Takaia u kommunista dolzhnost'; kommunist *vsegda i vo vsem vperedi*. Moskva, Politizdat, 1963. 75 p. (Biblioteka molodogo kommunista)

Kruzhkov, S., and A. Pereslavtsev. [Introduce the communist interrelationship into the mode of life] Kommunisticheskie vzaimootnoshenila - v byt! [Moskva] Moskovskii rabochii, 1963. 58 p.

The lesson plan and the role of the leader of a seminar. T. TSvetkh. Polit. samoobr. 7 no. 8:86-89 Ag '63.

Levin, E. A. [Labor becomes a necessity] Trud stanovitsia potrebnost'iu. Moskva, Politizdat, 1963. 62 p.

Live and work in the communist way. F. Kashirskii. *Ekon. sel'khoz.* 32 no. 7:97-105 Jl '61.

The moral character of a personality. V. Efimov, E. Vladimirov. Polit. samoobr. 7 no. 8:105-114 Ag '63.

The most important matter is the theoretical level of the lesson. N. Boldyrev. Polit. samoobr. 7 no. 8:83-86 Ag '63.

Questions remained unanswered. M. Skaballonovich. Polit. samoobr. 7 no. 8:90 Ag '63.

Statutes of the CPSU and the education of Communists. Z. Serdiuk. Kommunist 40 no. 16:13-25 N '63.

Strukov, E. V. [All-around and harmonious development of personality] Vsestoronnee i garmonicheskoe razvitie lichnosti. Moskva, Politizdat, 1963. 237 p.

What I would like to hear in the seminar in addition. B. Volzhin. Polit. samoobr. 7 no. 8:89 Ag '63.

COMMUNIST ETHICS—BIBLIOGRAPHY see Bibliography—Communist ethics

COMMUNIST ETHICS—STUDY AND TEACHING

Effectiveness of ethical discussions in class. E. N. Poliakov. Sov. pedag. 27 no. 9:11-23 S '63.

COMMUNIST LABOR see Socialist competition

COMMUNIST PARTIES
(see also subdivision under Latin America)

Close cooperation between the forces of world socialism and the national liberation movement. K. Brutents. Nov. vrem. 21 no. 46:4-6 N '63.

Khrushchev, N. S. [The revolutionary worker and the communist movement; the 1956-1963 addresses] O revoliutsionnom rabochem i kommunisticheskom dvizhenii, iz vystuplenii 1956-1963 gg. Moskva, Izd-vo *lit-ry na inostr. iazykakh*, 1963. 127 p.

On the right way. L. Tolkunov. Part. zhizn' no. 23:15-23 D '63.

The platform of the Communists. Nov. vrem. 21 no. 48:1-3 N '63.

Proletarian internationalism is our banner. IU. Popov. Agitator no. 21 6-10 N '63.

COMMUNIST PARTY see subdivision under Algeria; Czechoslovakia; Finland; France; Germany, West, Hungary; United States

COMMUNIST PARTY IN LITERATURE AND ART

Zalesskii, M. P., A. I. Novogorodov, and A. I. Novikova. [Literary works for students of the history of the CPSU] Khudozhestvennaia literatura v pomoshch izuchaiushchim istoriiu KPSS. Izd. 2., dop. Moskva, Politizdat, 1963. 543 p.

COMMUNIST PARTY OF THE SOVIET UNION
(see also subdivision under Alma-Ata, Kirghizistan, Moldavia; Perm Province; Sevastopol; Siberia; Ukraine)

Annotated letter: The placing of communists in an enterprise. I. Ivanov. Part. zhizn' no. 24:41-42 D '63

The authority of leaders. A. Breslavskii. Part. zhizn' [Uzb.] 5 no. 10:83-86 O '62.

Bugaev, E. I. [Our Lenin's party] Nasha leninskaia partiia. Moskva, Politizdat, 1963. 143 p.

Collective work is a guarantee of correct leadership. Part. zhizn' no. 22:3-7 N '63.

Demotion in office.... A. Kinzhegalimov. Part. zhizn' no. 1:49-50 Ja N

Development of Leninist principles in military build up in the program of the CPSU. D. Grinishin, F. Sinenko. Komm. Vooruzh. Sil 4 no. 23 8-16 D '63.

Glorious history of Lenin's great party. Sov. pech. no. 11:43 N '63.

Groundless reproach. I. Marin. Part. zhizn' no. 1:48-49 Ja '64.

High, proud title. V. Khamov, A. Drovosekov. Sov. voin 15 no. 14 4-5 Jl '63.

Inacceptable procedure. V. Zaitsev and others. Part. zhizn' no. 21:48-50 N '63.

Khrushchev, N. S. [Socialism and communism; from his addresses of 1956-1963] Sotsializm i kommunizm, iz vystuplenii 1956-1963 gg. Moskva, Izd-vo lit-ry na inostrannykh iazykakh, 1963. 101 p.

Latvian, S. S. R. Sabiedrisko zinatnu macibasnma parvalde. [Program for a course on the history of the CPSU for institutions of higher education in the U. S. S. R. (150 hours). Translated by A. Busa] PSKP vesture kursa programa; PSRS augstakajam macibu iestadem (150 stundas). Riga, Latvijas valsts izd-ba, 1963. 50 p. [In Latvian]

Lead concretely and in a businesslike manner. Voen. vest. 43 no. 11:3-6 N '63.

Let's make a thorough study of party documents; (about the "Chrestomathy on the history of the CPSU"). A. L. Ugriumov. Vest. vys. shkoly 21 no. 11:81-87 N '63.

Local party organizations of regional agricultural administrations. G. Zhdanov. Part. zhizn' [Uzb.] 5 no. 10:87-90 O '62.

Marxism-Leninism in operation; publication of the multivolume "History of the CPSU." N. Ruban. Agitator no. 22, 9-11 N '63.

The moral code for the builder of communism is the law of life for the Soviet soldier. M. Bol'shakov. Komm. Vooruzh. Sil 4 no. 23:71-77 D '63.

New books; a review. I. Groshev, A. Trofimov, L. Gvozdeva. Polit. samoobr. 7 no. 8:138-144 Ag '63.

Party conferences and congresses. Part. zhizn' no. 21: 9-13 N '63.

[The Party during the large-scale development of socialism. Creation of the collective-farm system (1929-1932)] Partiia v period nastupleniia sotsializma po vsemu *frontu. Sozdanie kolkhoznogo stroia (1929-1932 gody)*; konsul'tatsii, metodicheskie sovety. [Moskva] Moskovskii rabochii, 1963. 141 p. (V pomoshch izuchaiushchim istoriiu KPSS)

Struggle of the party for the socialist industrialization of our country and its organization, for the complete collectivization of agriculture, 1926-1927. V. Poznin. Komm. Ukr. 10 no. 11:73-75 N '62.

Sverdlovsk. Ural'skii gosudarstvennyi universitet. Kafedra istorii KPSS. [The CPSU, the guiding force in the building of communism] KPSS, vedushchaia sila kommunisticheskogo stroitel'stva, *sbornik statei*. Sverdlovsk, 1962. 162 p.
(MH)

Vigilant protection of party documents. Part. zhizn' no. 23:26-29 D '63.

"We should go into the facts of ideological life more thoroughly." Kommunist 10 no. 16 127-128 N '63.

Zigzags of de-Stalinization. P. V. Fedenko. Mat. i issl. Inst. ist. Inst. po izuch. SSSR no. 49/50 1-15 S-O '63.

COMMUNIST PARTY OF THE SOVIET UNION—BIBLIOGRAPHY see Bibliography—Communist Party of the Soviet Union

COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES

Accelerator of public progress. Konstantin Zmeodov. Kul't. i zhizn' 7 no. 11:2-5 '63.

Kommunisticheskaia partiia Sovetskogo Soiuza. 13th Congress, Moscow, 1924. [Verbatim report of the 13th Congress of the Russian Communist Party, May 1924] Stenograficheskii otchet. Moskva, [Gospolitizdat] 1963. 883 p. (Protokoly i stenograficheskie otchety s"ezdov i konferentsii Kommunisticheskoi partii Sovetskogo Soiuza)
(CSt-H)

Program of the architects of communism. A. Artiukhina. Zhen. mira no. 11:3-6 '61.

COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES—BIBLIOGRAPHY see Bibliography—Communist Party of the Soviet Union—Congresses

COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP

Calculation of party membership dues. Part. zhizn' no. 21 53-54 N '63.

On the same day, at the same time.... Mikhail Zlatogorov. Ogonek 41 no. 43 8-9 O '63.

Party committees with rights of a district committee. Part. zhizn' no. 1:50-51 Ja '64.

Serdiuk, Z. T. [Exactingness and tactfulness; practice of examining the personal affairs of communists] O trebovatel'nosti i chutkosti; iz praktiki rassmotrenila personal'nykh del kommunistov. Moskva, Politizdat, 1963. 80 p. (Voprosy partiinogo stroitel'stva)

When the fate of a communist is being decided. V. Zhsorin. Part. zhizn' no. 1:77-78 Ja '64.

Who is entitled to receive membership fees? I. Kollakov. Part. zhizn' no. 23:58 D '63.

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK
(see also subdivision under Gorlovka, Donets Province, Kiev; Kokand; Kustanay; Leningrad; Lvov Province; Moscow; Uzbekistan)

After the signal, concrete measures should be taken. N. Guseinov, A. Agaev. Part. zhizn' no. 22:14-16 N '63

A book of inadequate value. M. Kucherenko. Part. zhizn' no. 23:70-71 D '63.

Borisov, IU. [Guidance of agitation and propaganda work] Rukovodstvo agitatsionno-propagandistskoi raboto. [Moskva] Mosk. rabochii, 1963. 40 p. (Bibliotechka sekretaria partorganizatsii)

[CPSU on culture, education and science] KPSS o kul'ture, prosveshchenii i nauke, sbornik dokumentov. Moskva, Politizdat, 1963. 551 p.

Care for feeding stuffs is a duty of the stockbreeders. K. Abdreimov. Part. zhizn' [Uzb.] 6 no. 6:70-72 Je '63.

Collective work is the highest principle of party guidance. A. Vodolazskii. Part. zhizn' [Uzb.] 5 no. 10:76-82 O '62.

Combine ideological work with organization. M. Dudkin. Polit. samoobr. 7 no. 8 73-77 Ag '63.

Communists of a leading automotive center. IU Komar'. Part. zhizn' [Uzb.] 6 no. 10:76-78 O '63.

The communists of our mine. M. Ermakov. Part. zhizn' no. 1:40-42 Ja '64.

A cordial man. M. Nadakhovskii. Agitator no. 21:40-41 N '63.

The country expects a good return. K. Golikov. Part. *zhizn' no.* 24:27-29 D '63.

Educate active fighters for communism. A. Umarov. Part. zhizn' [Uzb.] 6 no. 6:22-26 Je '63.

Educate agitators as political fighters. Agitator no. 22: 6-8 N '63.

Efficiency is the most important factor in political education. E. Zasypkin. Part. zhizn' [Uzb.] 6 no. 10:47-49 O '63.

An enthusiastic worker. N. Tumanov. Part. zhizn' Kazakh. 33 no. 11:63-65 N '63.

Everyday care should be given to the education of activist groups. A. Korotkevich. Polit. samoobr. 7 no. 8. 69-73 Ag '63.

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK (Continued)

Everything continues in the old way; an annotated letter. P. Isanov and others. Part. zhizn' no. 23, 15-17 D '63.

The experience of innovators should be shared by all. G. Sidorov. Part. zhizn' no. 23:30-32 D '63.

Extend the development of ideological work, a review of letters. Part. zhizn' no. 23:57-62 D '63.

Fighting weapons. V. Borushko. Agitator no. 22 28-29 N '63.

For high principles, objectivity, efficiency. V. Kirilov. Grazhd. av. 20 no. 10:10-11 O '63.

The foreman. Sh. Shakirov. Part. zhizn' [Uzb.] 6 no. 10-83-86 O '63.

Friendly relations with the chemists. A. Tumanov. Part. zhizn' no. 24 63-65 D '63.

Fulfilling the instructions of the collective. V. Kovalev. Part. zhizn' no. 22:40-43 N '63.

Further development of operating chemical plants. I. Kharatsev. Part. zhizn' no. 1, 15-21 Ja '64.

Generous hectares. A. Gol'tsov. Agitator no. 22:36-39 N '63.

Gerasimenko, A. I. [Such is the duty of a Communist, Communists must be in the forefront always and in any situation] Takaia u kommunista dolzhnost, kommunist vsegda i vo vsem vperedi. Moskva, Politizdat, 1963. 75 p. (Biblioteka molodogo kommunista)

Give care and attention to agricultural workers. Part. zhizn' [Uzb.] 6 no. 6:29-31 Je '63.

Glorify the country by your work! Agitator no. 21:3-5 N '63.

Good specialists are a basis for success. V. Mzhavanadze. Part. zhizn' no. 23:8-14 D '63.

Grak, K. K. [Ideological work of the Communist Party of White Russia during the first years after the war, 1945-1946] Ideologicheskaia rabota KPB v pervye poslevoennye gody, 1945-1946 gg. Minsk, Izd-vo MVSS i PO BSSR, 1963. 52 p.

A great creative friendship. V. Olontsev. Part. zhizn' Kazakh. 33 no. 11 45-49 N '63.

"The great mission of a communist." N. Saradzheva. Part. zhizn' [Uzb.] 6 no. 10.94-95 O '63.

Grebov, G. M. [Militant helpers of the Communist Party, the struggle of the Soviet press for the fulfillment of the resolutions of the 22d Congress of the CPSU] Boevye pomoshchniki partii; bor'ba sovetskoi pechati za vypolnenie reshenii XXII s"ezda KPSS. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1962. 70 p.

A group of lecturers on a collective farm. M. Rakhmanova. Part. zhizn' [Uzb.] 6 no. 10:52-54 O '64.

Groups of specialists in industrial management are growing. V. Kolobov. Part. zhizn' no. 22:38-40 N '63.

Guards of the cotton fields. S. Tulan. Part. zhizn' [Uzb.] 6 no. 10 39-41 O '63.

Hand in hand. K. Strazov. Part. zhizn' no. 1:60-66 Ja '64.

Heart open to people. A. Udanov. Part. zhizn' [Uzb.] 6 no. 6:85-86 Je '63.

Heavy burden. P. Chukarin. Part. zhizn' no. 22:60-64 N '63.

Helping people is a pleasure. I. Bugno. Agitator no. 21: 58 N '63.

Hold high the banner of the pre-October competition. Part. zhizn' [Uzb.] 6 no. 10:42-44 O '63.

How many commissions do you have to accept? M. Verveiko. Part. zhizn' no. 21 51-53 N '63.

The ideological section of a party committee. Part. zhizn' no. 24, 43-53 D '63.

Ideological support for the building of communism. E. Bugaev. Part. zhizn' no. 21:14-22 N '63.

Immediate tasks of ideological work of the Party, resolution passed by a Plenum of the Central Committee of the CPSU. Iskusstvo 26 no. 7:2-6 '63.

An important stage in the development of the country's economy. Part. zhizn' no. 24:3-7 D '63.

In close contact. L. Vitumirm. Part. zhizn' no. 22:46-48 N '63.

"In the depths of life". Z. Tadzhiev. Part. zhizn' [Uzb.] 6 no. 6:93 Je '63.

In the Presidium of the Central Committee of the Communist Party of Uzbekistan: Discussion on Mamadzhanata Tashmatov's article "Your honor, cotton grower!" Part. zhizn' [Uzb.] 6 no. 10.14 O '63.

In the struggle for an abundance of agricultural products. P. Golubkov. Polit. samoobr. 7 no. 8:19-20 Ag '63.

In the vanguard of a collective. E. IAkovlev. Part. zhizn' no. 24:35-36 D '63.

Increase the activity of the masses. V. Tokar'. Part. zhizn' no. 22:33-37 N '63.

Initiative and persistence of communists are the decisive factors. A. Denisov. Part. zhizn' no. 24:29-32 D '63.

Isaev, V. P. [Education in the collective group] Vospitanie cheloveka v kollektive. [Moskva] Moskovskii rabochii, 1963. 36 p. (Bibliotechka sekretaria partorganizatsii)

Kommunisticheskaia partiia Ukrainy. Stalinskii oblastnoi komitet. Otdel partiinykh organov. [The organizing role of a party committee] Organizuiushchaia rol' partiinogo komiteta. [Stalino], Knizhnoe izd-vo Stalino-Donbass, 1961. 39 p.

Kozochkina, E. D. [The 11th Congress of the Party. The Communist Party as the organizer of the U. S. S. R.] XI s"ezd partii. Kommunisticheskaia partiia - organizator SSSR, lektsii. [Moskva] Izd-vo Mosk. univ., 1963. 44 p.

Leibzon, B. M. [Lenin's conception of the party and the contemporary communist movement] Leninskoe uchenie o partii i sovremennoe kommunisticheskoe dvizhenie. Moskva, Politizdat, 1963. 383 p.

Lenin's plan of cooperative agriculture and the struggle of the Communist Party for the rapid development of agriculture. M. P. Pervevezeva. Uch. zap. Orekh.-Zuev. ped. inst 20 no. 3 19-75 '63.

Let us bring ideological work to the level of the tasks of the building of communism. Obshchestv. nauki v Uz. 7 no. 8 5-11 '63.

Let us promote and develop public participation in the work of governmental agencies and industrial enterprises. Komm. Ukr 18 no. 11:3-9 N '63.

A letter to the editor of "Partinaia zhizn'". B. Krasnikov, A. Filatov. Part. zhizn' no. 21 70 D '63.

Letters, information, comments. Agitator no. 22:54-55 N '63.

The library of a party committee. Polit. samoobr. 7 no. 8 65-66 Ag '63.

A live spring of initiative. B. Aleksandrov. Part. zhizn' [Uzb.] 6 no. 10:71-76 O '63.

Local radio broadcasting deserves attention and help. I. Chupiynin. Part. zhizn' no. 24 65-67 D '63.

A man who couldn't be checked. A. Maklinin. Part. zhizn' no. 23:76-78 D '63.

[Marxism-Leninism on the material and technological basis of communism] Marksizm-leninizm o material'no-tekhnicheskoi baze kommunizma. Moskva, Gospolitizdat, 1963. 398 p.

Meetings and lessons in continuously working enterprises. A. Khokhlov, P. Gerasimova. Part. zhizn' no. 22:57-59 N '63.

Mel'nikov, A. K. [Program of the CPSU on the tasks of the Party in the fields of state organization and continuing development of socialist democracy. Aid for students of correspondence and evening courses studying the materials of the 22d Congress of the CPSU] Programma KPSS o zadachakh partii v oblasti gosudarstvennogo stroitel'stva i dal'neishego razvitiia sotsialisticheskoi demokratii. V pomoshch' studentam zaochnogo i vechernego obucheniia, izuchaiushchim materialy XXII s"ezda KPSS [n. p.] Rosvuzizdat, 1963. 33 p.

Mor, N. M. [Lenin's art of propaganda and agitation] Leninskoe iskusstvo propagandy i agitatsii. Moskva, Politizdat, 1963. 114 p.

Morning dawns in the steppe; a sketch. V. Belikov. Agitator no. 22 30-32 N '63.

[Motto of the times; experience with voluntary participation in ideological work] Deviz vremeni; iz opyta ideologicheskoi raboty na obshchestvennykh nachalakh. [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 120 p.

Nadvornyi, V. P. and A. I. Kraev. [Look for paths leading to the heart...; from the practice of the political party work on the trawler "Saltykov-Shchedrin"] Iskat' tropinki, vedushchie k serdtsu...' iz opyta partiino-politicheskoi raboty na tralerer "Saltykov-Shchedrin." [Murmansk] Murmanskoe knizhnoe izd-vo, 1962. 43 p.

Nearer to life and production. V. Fomin, P. Pirogov. Part. zhizn' Kazakh. 33 no. 11-24-30 N '63.

Newspaper articles; a review. Part. zhizn' no. 22:74-75 N '63.

Noskov, I. E. [A year later] God spustia. [Moskva] Moskovskii rabochii, 1963. 69 p.

Our experience in the propaganda of economic knowledge. G. Vilkov. Polit. samoobr. 7 no. 8:77-79 Ag '63.

The oral newspaper "Nasha zhizn'." A. Lebedev. Agitator no. 21, 35-36 N '63.

Organizers of socialist competition. Kh. Khalkhanov. Part. zhizn' [Uzb.] 6 no. 6:56-58 Je '63.

The party and the education of the new man. M. Morozov. Polit. samoobr. 7 no. 8:9-18 Ag '63.

The party committee and junior agricultural personnel. I. Moslov. Part. zhizn' no. 1:31-35 Ja '64.

Party discipline and the education of the masses. A. Surgakov. Part. zhizn' no. 21, 23-29 N '63.

Party news. Part. zhizn' no. 1:79-80 Ja '64.

Party news. Part. zhizn' no. 21:79-80 N '63.

Party news. Part. zhizn' no. 22:78-80 N '63.

Party news. Part. zhizn' no. 23:78-80 D '63.

Party news. Part. zhizn' no. 24:70-71 D '63.

Party organization and schools. A. Kremenskaia. Nar. obr. no. 9:12-13 S '63.

Party organization of a section. M. Umarova. Part. zhizn' [Uzb.] 6 no. 6:78-81 Je '63.

The party's care of youth. A. Korolev. Part. zhizn' no. 1:43-47 Ja '64.

People's control in operation. Part. zhizn' no. 24 26-29 D '63.

Perfecting leadership in agriculture. Part. zhizn' Kazakh. 33 no. 11, 34-40 N '63.

Perlov, I. A. [The time of strenuous work; notes of a secretary of a district party committee] Bor'bae vremia, zametki sekretaria raikoma partii. [Donetsk] Donetskoe knizhnoe izd-vo, 1961. 35 p.

The persistent prevail. M. Lipatova. Agitator no. 22 21-27 N '63.

Place care for man in the foreground. S. Toka. Agitator no. 22:20-23 N '63.

Popularity in propaganda. A. Tolmachev. Polit. samoobr. 7 no. 8:115-121 Ag '63.

Pulling up, helping, inspiring. A. Chernyshev. Agitator no. 21, 21-24 N '63.

The primary party organization of a collective farm. F. Kozyrev, K. Sergeev. Part. zhizn' no. 21 18-21 N '63.

The principal duty. I. Stepanov. Part. zhizn' no. 23 63-66 D '63.

Progressive practice should be introduced into production. M. Khudayberdyenov. Part. zhizn' [Uzb.] 6 no. 10, 27-30 O '63.

Propagandists as frontline fighters. Part. zhizn' [Uzb.] 6 no. 10 92-93 O '63.

Protect and increase the people's prosperity. Part. zhizn' no. 23, 3-7 D '63.

Purposefulness. V. Tolstov. Part. zhizn' no. 1, 3-4 Ja '64.

The quality of products should be excellent. A. I. [illegible], IA. Sorin. Agitator no. 22:49-52 N '63.

Raise the efficiency of production persistently. Agitator no. 22 3-5 N '63.

Reception hour. V. Dubrovin. Part. zhizn' no. 21 [illegible] N '63.

Reference book for a communist. A. Vodolazskii. Part. zhizn' [Uzb.] 6 no. 6:92 Je '63.

Relying on the activist group. V. Saenko. Part. zhizn' [Uzb.] 6 no. 6:72-74 Je '63.

"Report it to the director...." Z. Volchek. Part. zhizn' no. 23, 48 D '63.

Reports and elections in party organizations. Part. zhizn' [Uzb.] 6 no. 10:3-6 O '64.

Returning the collective farm to its former glory. I. Dzhurabaev. Part. zhizn' [Uzb.] 6 no. 6:81-84 Je '63.

Science of persuasion. N. Podorol'skii. Nar. obr. no. 12:112-114 D '63.

Search for the new. M. Kornetskii, I. Savchenko. Agitator no. 21:32-31 N '63.

Select and educate specialists in the Leninist way. [illegible] khin. Part. zhizn' no. 1, 22-30 Ja '64.

Service to men. I. Bratchenko. Part. zhizn' no. 21 [illegible] 57 N '63.

Some remarks on the Communists in rural areas. [illegible] Zaglada. Komm. Ukr. 38 no. 11:19-25 N '63.

Statutes of the CPSU and the education of Communists. Z. Serdiuk. Kommunist 40 no. 10:13-25 N '63.

Strengthen the fighting spirit! Agitator no. 21 [illegible] N '63.

Stress the role of production administration [illegible]. F. Surganov. Part. zhizn' no. 23:37-42 D '63.

Study the inquiries of radio and television audiences. A. Shumakov. Part. zhizn' no. 23:67-70 D '63.

Subscription to newspapers and periodicals is a [illegible] tant political campaign. Part. zhizn' [Uzb.] [illegible] 44-45 O '63.

Support the creativeness of the masses. A. Kuz'[illegible]. Part. zhizn' no. 24:32-33 D '63.

To full capacity. E. Khristolubova, A. Kondrat'[illegible]. Agitator no. 22:33-35 N '63.

Toward higher achievements. Part. zhizn' no. 1:3-5 Ja '64.

A true leader. N. Ulugdzhanov. Part. zhizn' [Uzb.] no. 6:88-90 Je '63.

Trying to understand the economics of industry. V. Skorodumov. Part. zhizn' [Uzb.] 6 no. 10 [illegible] O '63.

Verification of the carrying out of decisions on the [illegible] cation of specialists. I. Ermin. Part. zhizn' [illegible] 8-14 N '63.

Visual propaganda on collective farms. A. Kovalevich. Part. zhizn' no. 1, 57-59 Ja '64.

Voluntary and obligatory. M. Syshchikov. Part. zhizn' no. 23, 48 D '63.

Voluntary participation [in party work] is a principle. V. Bashkatov. Part. zhizn' no. 23, 43-45 D '63.

While my heart beats. G. Marchik. Mol. kommu. 39-40 S '63.

Why Aleksandr Chekushkin wanted to leave? Part. zhizn' no. 24:70 D '63.

With a firm step. V. Kudriavtsev. Part. zhizn' [Uzb.] 6 no. 10:34-36 O '63.

Work of party groups in enterprises and on construction sites of Magnitogorsk city. Part. zhizn' no. 23, 15-17 N '63.

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK (Continued)

Work practice of party organizations in Saratov Provincial machinery plants in improving the quality of output. Part. zhizn' no. 23,24-25 D '63.

Workers of the Novomoskovsk (Chemical Plant) are setting an example. V. Bedinin, D. Nikitin, D. Tarasov. Part. zhizn' no. 22,22-26 N '63.

Workers' participation in industrial management. A. Eshtokin. Part. zhizn' no. 24,15-20 D '63.

The young city of chemistry. N. Balakishiev. Part. zhizn' no. 21,30-35 N '63.

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK—BIBLIOGRAPHY see Bibliography—Communist Party of the Soviet Union—Party work

COMMUNIST STATE

How the socialist state develops into communist self-government. Sov. gos. i pravo no. 21,4-6 N '63.

Karimov, D. A. [The people and the state] Narod i gosudarstvo. Leningrad, Ob-vo po rasprost. polit. i nauchn. znanii RSFSR, 1963. 56 p.

COMMUNIST YOUTH LEAGUE
(see also subdivision under Astrakhan, Biysk, Divnogorsk, Krasnoyarsk Territory; Kharkov Province; Kiev; Mensk; Stavropol, Kuybyshev Province; Tashkent, Ternopol' Province; Ukraine, Uzbekistan; Yakhroma)

All should participate in the experience of the best. M. Belov. Komsom. zhizn', no. 21,6-9 N '63.

Always with the party. P. Khamidov. Part. zhizn' [Uzb.] 6 no. 6:15-18 Je '63.

And it's quiet again. V. Shulinov. Komsom. zhizn', no. 22,11-14 N '63.

Answers of our readers. Komsom. zhizn' no. 18:17-19 S '63.

Army komsomols in the Great Patriotic War. T. Korzhenevskaia. Voen.-ist. zhur. 5 no. 10:101-108 O '63.

The breed of young internationalists. A. Sharifov. Komsom. zhizn' no. 18 5-7 S '63.

Camp "Komsomolets." B. Pokhol'chuk, V. Gzhel'skii. Sov. voin 15 no. 19:1-3 O '63.

Career of the Communist Youth League member Mokhov, V. I. Sin. Smena 40 no. 12:1-3 Je '63.

Communism should be built by the young. N. Gushchin, M. Kolesov. Sov. voin 45 no. 19:22-23 O '63.

Communist Youth League in battles for the fatherland. I. Berlin. Voen.-ist. zhur. 5 no. 10,80-86 O '63.

The Communist Youth League orders poems. R. Zolotarev. Komsom. zhizn' no. 19 11-12 O '63.

Communist Youth League radio hour. B. Osykov. Sov. voin 15 no. 12:14 Je '63.

Communist Youth League searchlight. V. Ivanov. Sov. otp. 27 no. 11:25-28 N '63.

The Communist Youth League should give great care to the development of large-scale chemistry. Komsom. zhizn' no. 19:2-3 O '63.

Comrade artist, be welcome! V. Mushtaev, V. Iur'ev. Komsom. zhizn' no. 14,4-7 Jl '63.

Control commissions in the Communist Youth League. A. Sverdlikov. Mol. komm. no. 9:55-61 S '63.

A correct estimate. V. Kabaev. Komsom. zhizn' no. 19 20 S '63.

Dust in your eyes. Komsom. zhizn' no. 20:10-11 O '63.

The 45th anniversary of the establishment of the All-Union Lenin Communist Youth League. Nina Nerad. Rab. i sial. 39 no. 10:6-7 O '63.

The bolt is very far, indeed... V. Kats. Komsom. zhizn' no. 13:8-11 Jl '63.

High voltage current. Evgenii Dolmatovskii. Ogonek 11 no. 44:16 O '63.

How authority should be gained. A. Pavlov. Komsom. zhizn' no. 19:7-9 '63.

An important means of the ideological education of youth. Komsom. zhizn' no. 18,1-4 S '63.

An institute of the Communist Youth League. A. Ivanov. Komsom. zhizn' no. 18:7-8 S '63.

Irrigated lands are our wealth; secretaries of rural territorial committees of the Communist Youth League tell about the League's activities and plans. N. Golub' and others. Komsom. zhizn', no. 22,2-5 N '63.

Kuchkina, O. A. [Girls' republic] Devchach'ia respublika. [Moskva] Molodaia gvardiia, 1963. 44 p. (Vnimanie - novoe)

Leader and educator. V. Novoselov. Komsom. zhizn' no. 20:17 O '63.

Leaning on the shoulders of machines. A. Sapunov. Mol. komm. no. 9:48-54 S '63.

"Lenin's Communist Youth League; sketches on the history of the All-Union Lenin's Communist Youth League] Leninskii komsomol; ocherki po istorii VLKSM. 3., perer. izd. [Moskva] Molodaia gvardiia, 1963. 814 p. (V pomoshch' izuchaiushchim istoriiu VLKSM)

Let's stand watch over the nation's property. IUn. tekh. 8 no. 11:3-5 N '63.

Letters from soldiers, some interesting forms of the Communist Youth League's work in the army. IU. Sumbatian and others. Komsom. zhizn'. no 22 26-31 N '63.

The lever of Archimedes. P. Pidtilok. Mol. komm. no. 9 41-47 S '63.

Maksimov, L. G. [The young will build communism] Kamunizm buduyats' maladym. Minsk, Derzh. vyd-va BSSR, 1962. 37 p. (Bibliiatechka kamsamol'skaha aktyvista)

Model teaching plan. Komsom. zhizn' no. 19:28-32 O '63.

National property is your property. A. Koval'. Komm. Vooruzh. Sil 1 no. 23 59-63 D '63.

On the road of daring and glory. I. Gaglov. Sov. voin 45 no. 19:6-7 O '63.

The operational section should be more efficient! O. Morozov. Komsom. zhizn'. no. 22:11-16 N '63.

The party's care of youth. A. Korolev. Part. zhizn' no. 1, 14-17 Ja '64.

A people's bookstore. IU. Krasnov. Komsom. zhizn' no. 19:12-13 O '63.

Procedure for admitting youth to the Communist Youth League. Komsom. zhizn' no. 14:30-32 Jl '63.

The procedure for crossing above age members off the Communist Youth League register. Komsom. zhizn' no. 20:27 O '63.

Propaganda at the machine. D. Mirfaiazov, A. Petrochenko. Komsom. zhizn' no. 19:13-15 O '63.

Questions and answers. Komsom. zhizn' no. 18,22 S '63.

[The relay-race of generations, a photo report of Lenin's Communist Youth League, and its glorius history, 1918-1963] Estafeta pokolenii, fotopovest' o leninskom komsomole, ego slavnom puti, 1918-1963 gg. [Moskva] Molodaia gvardiia, 1963. 114 p. illus.

Reliable support. P. Bykov. Komsom. zhizn' no. 19:26 O '63.

Report and election meetings. Komsom. zhizn' no. 19 27 O '63.

The rhythm of the Spartakiada does not stop. A. Gres'ko. Komsom. zhizn' no. 19:15-17 O '63.

The road is a year and a half long. B. Myshenkov. Komsom. zhizn' no. 20:11-12 O '63.

Rush into eternity. G. Arutiuniants. Mol. komm. no. 9 110-111 S '63.

Satirical gun. V. Razumovskii. Komsom. zhizn' no. 18 9 S '63.

School desks should not lie fallow!; schools for rural youth. A. Chirva. Komsom. zhizn' no. 19:18-23 O '63.

"Searchlight of the Communist Youth League" walks across the country. Tekh. mol. 31 no. 11 26-27 '63.

Severe is the law of the march. I. Duel'. Komsom. zhizn' no. 18.11-11 S '63.

South-southeast is the vector of the traffic flow. V. Grigor'ev. IUn. tekh. 8 no. 11:8-11 N '63.

Specialists are growing. O. Andreev, Zh. Toshchenko. Komsom. zhizn' no. 14 20-21 Jl '63.

Sport does not like the indifferent. V. Travianskaia. Komsom. zhizn' no. 11:26-27 Jl '63.

Staff of the shock construction brigade of a chemical plant. I. Grigor'ev. Komsom. zhizn' no. 20,2-6 O '63.

Strike the hands of the thieves. L. Stepachev. Komsom. zhizn' no. 19 6-7 O '63.

The struggle for fertilizers is a struggle for bread! Komsom. zhizn' no. 20:1-7 O '63.

A student becomes an engineer. A. Shatilov. Komsom. zhizn' no. 19,24-25 O '63.

There are no meetings without songs. Iurii Andreev. Komsom. zhizn', no. 22;21-22 N '63.

Topic plan for a school of the "Communist Youth League Searchlight" of an agricultural administration. Komsom. zhizn' no. 19:3-6 O '63.

Torn books, dusty accordion and "The magnificent seven." L. Tiutkov. Komsom. zhizn' no. 14;24-25 Jl '63.

We march into the future today! Znan. ta pratsia no. 10: 15 O '63.

We spend our youth beyond the Arctic Circle. IU. Pompeev. Komsom. zhizn' no. 20:7-9 O '63.

What is an industrial training center? M. Shishliannikov, V. Petin opavlovskii. Komsom. zhizn', no. 22:10-11 N '63.

When the encyclopedia makes an error. L. Ovsiannikov. Mol. komm. no. 9:85-88 S '63.

When you are a member of the Communist Youth League. L. IUnina. Mol. komm. no. 9:32-35 S '63.

Workers learn foreign languages. T. Kulakova. Komsom. zhizn' no. 18:9-10 S '63.

Why the "street kings" reign. A. Abdunazarov. Komsom. zhizn' no. 14:15-16 Jl '63.

With the youthful enthusiasm of a komsomol. M. Islamov. Part. zhizn' [Uzb.] 6 no. 10;32-34 O '63.

Youth knows no rest. Sergu Bielousov. Znan. ta pratsia no. 10 1-4 O '63.

COMMUNIST YOUTH LEAGUE—BIBLIOGRAPHY see Bibliography—Communist Youth League

COMMUNIST YOUTH LEAGUE—PERIODICALS

For you, operators of the communist "searchlight." Komsom. zhizn' no. 18 17 S '63.

COMMUNISTS

New books; a review. I. Groshev, A. Trofimov, L. Gvozdeva. Polit. samoobr. 7 no. 8 138-144 Ag '63.

COMMUNITY AND SCHOOL
(see also subdivision under Kazakhstan, Leningrad, Luga, Syzran' District)

Let's work in a new way. A. Tishchenko. Nar. obr. no. 9 8-9 S '63.

COMMUNITY CENTERS
(see also subdivision under Chamzinka District, Chernovtsy, Ikkovo, Leningrad, Minsk, White Russia)

[Community participation in cultural and educational work] Obshchestvennye nachala v kul'tprosvet—rabote. Moskva, Sovetskaia Rossiia, 1963. 110 p. (Bibliotechka v pomoshch sel'skomu klubnomu rabotniku, no. 10)

[Motion pictures in a club, a collection of articles] Kino v klube, sbornik statei. Moskva, Sovetskaia Rossiia, 1963. 116 p. (Bibliotechka v pomoshch sel'skomu klubnomu rabotniku, no. 9)

[Motto of the times, experience with voluntary participation in ideological work] Deviz vremeni, iz opyta ideologicheskoi raboty na obshchestvennykh nachalakh. [Donetsk] Donetskoe knizhnoe izd-vo, 1963 120 p.

COMMUNITY LIFE
(see also subdivision under Kiev, Leningrad, Tashkent)

[Community participation in cultural and educational work] Obshchestvennye nachala v kul'tprosvet—rabote. Moskva, Sovetskaia Rossiia, 1963. 110 p. (Bibliotechka v pomoshch sel'skomu klubnomu rabotniku, no. 10)

COMPARATIVE LITERATURE see Literature, Comparative

COMPARATIVE PSYCHOLOGY see Psychology, Comparative

COMPENSATION, WORKMEN'S see Employers' liability

COMPETITION, INTERNATIONAL

Peaceful coexistence and the class struggle. I. Aleksandrov. Sov. profsoiuzy 19 no. 18 36-38 S '63.

COMPLEX COMPOUNDS

Composition of extractable inner-complex compounds [with summary in English]. V. I. Kuznetsov, Ni Chzhao-ai [Ni Chao-ai] Zhur. anal. khim 18 no. 8 915-919 Ag '63.

Effect of complex formation on the induction period in certain homogeneous catalytic reactions. K. B. [Atsimitskii, R. P. Morozova. Kin. i kat. 4 no. 5:772-775 S-O '63.

Experimental determination of the binding energy of complexes in compounds with conjugate bonds. R. M. Fofonova. Izv. vys. ucheb. zav., fiz. no. 3 84-88 '63.

Method of sectioning the composition diagrams of multicomponent reciprocal systems with complex formation [with summary in English]. V. I. Posypaiko. Zhur. fiz. khim. 37 no. 9:1983-1984 S '63.

Separation efficiency of complexes with respect to lithium isotopes [with summary in English]. D. A. Knyazev, E. V. Sklenskaia. Zhur. fiz. khim. 37 no. 9 2091-2099 S '63.

Structure of the inclusion complexes of trifluoronitrosomethane with unsaturated compounds and the mechanism of their formation. V. A. Ginsburg and others. Dokl. AN SSSR 152 no. 5.1104-1107 O '63.

Successive separation and determination of some elements by means of diantipyrylmethane. Part 1: Separation and determination of zinc and cadmium. V. P. Zhivopistsev, V. KH. Aitova, E. A. Seleznova, Izv. vys. ucheb. zav. i khim. i khim. tekh. 6 no. 5:739-743 '63.

COMPLEXES

Complexes in hyperbolic space. N. I. Kovantsov. Sib. mat. zhur. 4 no. 5 1106-1119 S-O '63.

COMPLEXONS

Microdetermination of calcium in organic substances by photometric titration with complexon III solution [with summary in English]. B. G. Belen'kii, L. IA. Severinets. Zhur. anal. khim. 18 no. 3:950-955 Ag '63.

Violuric acid as an indicator in complexonometric titration of copper [with summary in English]. P. P. Solodovnikov. Zhur. anal. khim. 18 no. 5:1026-1027 Ag '63.

COMPOSITAE

Akademiia nauk SSSR. Botanicheskii institut. [Tribes Cynareae and Mutisieae. Kolena Cynareae i Mutisieae]. Moskva, 1963. 653 p. (Flora SSSR, vol. 28)

726-081 O - 64 - 14

COMPOST

Changes in the mobility of humic compounds of peat [with summary in English]. V. P. Tsyplenkov. Vest. LGU 18 no. 21 138-147 '63.

Dynamics of the abundance of Collembola (Insecta) in the composts of fallen leaves [with summary in English]. N. M. Chernova. Zool. zhur. 42 no. 9 1370-1383 '63.

COMPRESSED AIR

Formulation and solution of a problem on nonlinear mathematical programming. P. T. Reznikovskii, V. I. Rybasov, V. A. Chaianov. Izv. AN SSSR, Tekh. kib. no. 5 121-132 S-O '63.

Heat of compressed air as a source for increasing the productive capacity of pneumatic machinery. N. N. Kovliashenko. Izv. vys. ucheb. zav., energ. 6 no. 9. 90-96 S '63.

COMPRESSORS

"Compressing machinery" by K. I. Strakhovich, M. I. Penkel, I. K. Kondrtiakov, and V. F. Ris. Reviewed by A. P. Goflin, S. P. Lipshits. Izv. vys. ucheb. zav., energ. 6 no. 9:119-121 S '63.

COMPRESSORS—MAINTENANCE AND REPAIR

Repairing defects in cast iron by TSCh-4 electrodes. L. I. Gaft. Svar. proizv. no. 6 11-12 Je '63.

CONAKRY—SOCIAL LIFE AND CUSTOMS

Ethnographical studies of the change in the mode of life of African cities [with summary in English]. O. Skalnikova. Sov. etn. no. 5 60-68 S-O '63.

CONCERTO

Solomtsov, A. A. [The concerto] Kontsert. Izd. 3, dop. Moskva, Muzgiz, 1963. 58 p. (Muzykal'nye formy i zhanry)

CONCHOSTRACA, FOSSIL see subdivision under Siberia

CONCRETE

Coating of freshly poured concrete with "Etinol" lacquer. Energ. stroi. no. 16:89-91 '60.

Use of carbonaceous sands in the preparation of a concrete mixture. B. M. Artibilov. Energ. stroi. no. 16. 45-48 '60.

CONCRETE—CORROSION

Protecting concrete and reinforced concrete structures from corrosion. V. M. Moskvin, I. A. Lazarevich. Bet. i zhel.-bet. 9 no. 10 478-480 O '63.

CONCRETE—FORMWORK

The 6043/2a unit for cleaning formwork. P. I. Tumarkin. Stroi. i dor. mash. 8 no. 11:31-33 N '63.

CONCRETE—TESTING

Study of the quality of concrete in structures of the Bolshichi Irrigation System. Iu. I. Galata, P. Kuchiashov. Prom. stroi. i inzh. soor. 5 no. 5 46-51 S-O '63.

CONCRETE, LIGHTWEIGHT see Lightweight concrete

CONCRETE, PRECAST see Precast concrete

CONCRETE BRIDGES see Bridges, Concrete

CONCRETE COLUMNS see Columns, Concrete

CONCRETE CONSTRUCTION
(see also subdivision under Moscow)

Akademiia stroitel'stva i arkhitektury SSSR. Leningradskii filial. [Apartment houses made of cellular concrete] Zhilye doma iz iacheistogo betona, sbornik nauchnykh trudov. Leningrad, Gosstroiizdat, 1963. 235 p.

Concrete, water and cosmetics. M. Shpagin. Izobr. i rats. no. 11:23 '63.

Italian method of constructing tunnels and underground crossings. I. V. Kononov, V. A. Gol'dgor. Transp. stroi. 13 no. 9:70-72 S '63.

New design of buckets for transporting concrete mixtures. N. N. Amatov, M. V. Tokarev. Energ. stroi. no. 16:50-54 '60.

Petrov, V. M. [We build houses of gas concrete] Stroim doma iz gazobetona. [Leningrad] Lenizdat, 1963. 77 p. (Peredovoi opyt vsem!)

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. 2, Sec. V, ch. 1. [Specifications for the design of concrete and reinforced-concrete structures] Betonnye i zhelezobetonnye konstruktsii; normy proektirovaniia (SNiP II-V.1-62), 1962. 100 p.

CONCRETE CONSTRUCTION—TESTING

Laboratory studies of the adfreezing strength of soil and concrete. I. N. Votiakov. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1:29-34 '58.

CONCRETE FOOTINGS
(see also subdivision under Omsk)

Insulating grillage beams for panel-type buildings. S. V. Timofeev. Osn., fund. i mekh. grun. 5 no. 6:19-23 '63.

Calculation of precast reinforced concrete foundations for columns. S. A. Rivkin. Osn., fund. i mekh. grun. 5 no. 6 8-12 '63.

Designing reinforced concrete foundations for permanently frozen ground. P. I. Mel'nikov. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1 13-20 '58.

Mulcev, M. A. [Technical information, reinforced-concrete slab enclosures used in the construction of bridge foundation supports] Tekhnicheskaia informatsiia, ograzhdenie iz zhelezobetonnykh plit pri sooruzhenii fundamentov opor mostov (iz opyta raboty Mosto-otriada-5, Mostostroia-2). Moskva, Orgtransstroi, 1963. 13 p.

[MICROFILM]

Waterproofing the foundation of poles of contact networks. F. M. Ivanov, A. A. Smol'ianinov, V. L. Solntseva. Transp. stroi. 13 no. 9 51-54 S '63.

CONCRETE PAVEMENTS see Pavements, Concrete

CONCRETE PILING
(see also subdivision under Omsk)

Seven-wire steel cables for reinforcing concrete piles. G. V. Kharadze, V. A. Belenchenko. Transp. stroi. 13 no. 9. 63-64 S '63.

CONCRETE PLANTS

Using a vacuum pump for feeding cement into a hunker of a concrete plant. P. D. Beigul, I. M. Viniarskii. Transp. stroi. 13 no. 6 66 S '63.

CONCRETE REINFORCEMENT

Brodskii, A. IA., and A. M. Fridman. [Investigating the welding of reinforcements for reinforced-concrete structures, welding of 35GS reinforcement steel] Issledovaniia svarki armatury zhelezobetonnykh konstruktsii, svarka armaturnoi stali marki 35GS. Moskva, Gosstroiizdat, 1963. 86 p.

Low-alloy steel with vanadium for reinforced concrete structures. M. I. Bychkov, S. M. Skorobogatov. Trudy Ural. politekh. inst. no. 131:49-55 '63.

Fixing reinforcements and inserts of reinforced concrete units for large-panel apartment houses. S. S. Levi, N. A. Tsvetkov. Bet. i zhel.-bet. 9 no. 10 450-452 O '63.

Manufacture of standard prestressed beams with an 18m span and electrothermally stressed reinforcement. G. Nikoliuk, IU. Naumov, I. Iankiv. Prom. stroi. i inzh. soor. 5 no. 5:41-44 S-O '63.

Steel trusses with individually prestressed rods. B. A. Speranskii. Trudy Ural. politekh. inst. no. 131: 53-66 '63.

Stressing elements of steel high-strength cables for metal prestressed structures. B. A. Speranskii. Trudy Ural. politekh. inst. no. 131:67-78 '63.

Study of unwelded joints of rod reinforcements. L. P. Zhdakhin. Trudy Ural. politekh. inst. no. 131.29-35 '63.

CONCRETE REINFORCEMENT—BOND

Seven-wire steel cables for reinforcing concrete piles. G. V. Kharadze, V. A. Belenchenko. Transp. stroi. 13 no. 9:63-64 S '63.

CONCRETE ROOFING see Roofing, Concrete

CONCRETE SLABS

Strengthening beds of water passages and embankments with asphalt concrete slabs. V. I. Gritsyk, B. R. Kashirskii, V. S. Chakhlov. Transp. stroi. 13 no. 9 19-21 S '63.

Unballasted bridge road on reinforced concrete slabs. D. I. Vasil'ev, A. M. Nemzer. Sbor. trud. NII mostov no. 7.5-25 '62.

CONCRETIONS see subdivision under Kugitangtau

CONDENSATE OIL WELLS see subdivision under Karadag region; Turkmenistan

CONDENSATION TRAILS

Some data on the appearance of vapor trails behind airplanes. A. F. Nepovitova. Trudy TSAO no. 47.101-105 '63.

CONDENSED MILK see Milk, Condensed

CONDENSERS (ELECTRICITY)

Electrodynamic capacitor-modulator of weak direct currents. V. I. Panfratov, I. T. Prilipko. Izm. tekh. no. 12:30-32 D '63.

CONDENSERS (STEAM)

Agafonov, V. A., V. G. Ermilov, and E. V. Pankov. [Marine condenser plants] Sudovye kondensatsionnye ustanovki. Leningrad, Sudpromgiz, 1963. 499 p.

CONDITIONED RESPONSE

Changes in higher nervous activity in the immunization of animals with the tetanus anatoxin. V. A. Evseev. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:205-218 '58.

Changes in the higher nervous system and interneuronal junctions in the cerebral cortex of animals under the effect of SHF. E. A. Lobanova, M. S. Tolgskaia. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:69-74 '60.

Effect of the disruption of higher nervous activity, [illegible] effectiveness of antibiotic treatment. V. S. [illegible] Trudy Inst. norm. i pat. fiziol. AMN SSSR 1 170-174 '58.

Principle of reflection and the theory of reflex [illegible] Georgiev. Nauch. dokl. vys. shkoly, filos. [illegible] 52-57 '63.

CONDUCT OF LIFE

Folk tradition. G. Nadzhimov. Part. zhizn' [illegible] no. 10 62-67 O '63.

Kruzhkov, S., and A. Pereslavtsev. [Introduction to communist interrelationship] Kommunisticheskie vzaimootnoshenila - v byt! [Moskva] Moskovskii rabochii, 1963. 58 p.

Nothing has been fabricated.... Sergei Lisov. Znamia 33 no. 6:100-174 Je '63.

CONDUCTING, CHORAL

Pitsa, K. B. [Reader on the technique of choral conducting, repertoire for classes in choral conducting] Khrestomatiia po tekhnike khorovogo dirizhirovaniia, repertuar klassov khorovogo dirizhirovaniia. 2 izd., perer. i dop. Moskva, Muzgiz.

No. 1. [Folk songs] Narodnye pesni. 1963. 144 p.

CONDUCTOMETRIC ANALYSIS

Amperometric titration of alkylchloroalkanes [illegible] benzene and acetic acid media [with summary in English]. A. P. Krueshkov, V. A. Berk, M. I. Apatskaia. Zhur. anal. khim. 18 no. 10.1149-1151 O '63.

Current-voltage study of divalent vanadium [illegible] and their use in the amperometric titration of [illegible] lent vanadium and titanium [with summary in English]. Z. A. Gallai, T. IA. Marianovskaia. Zhur. anal. khim. 18 no. 8.921-929 Ag '63.

Determination of starch fractions by amperometric titration [with summary in English]. V. I. Dobkin, V. I. Nazarov. Zhur. anal. khim. 18 no. 8 1046-[illegible] Ag '63.

Vinogradova, E. N., Z. A. Gallai, and Z. M. [illegible] [Methods of polarographic and amperometric analysis] Metody pollarograficheskogo i amperometricheskogo analiza. [Moskva] Izd-vo Mosk. univ., 1963. 230 p.

CONDUCTORS (MUSIC)

Lokshin, D. L. [Outstanding Russian choir[illegible] conductors] Zamechatel'nye russkie khory i khorovi zhery; kratkie ocherki. Izd. 2., dop. Moskva, [illegible] 1963. 210 p.

CONFECTIONERY

Consultations and advice. Sov. potrebkooperatsiia 64 O '63.

Knika, B. V., G. A. Liadova, and R. D. Nor[illegible] ["Eno" coloring matter and its use for coloring confectionery products] Enokraslitel' i ego primenenie dlia okrashivaniia konditerskikh izdelii. Moskva, [illegible] promizdat, 1963. 31 p.

CONFLICT OF LAWS

Liability of foreigners for damage and [illegible] Soviet citizens. T. N. Khrilova. Izv. vyssh. [illegible] prav. 7 no. 3:119-126 '63.

CONFORMAL MAPPING

Use of conformal mappings for evolving the [illegible] stream of turbulent flows in the theory of [illegible] of a complex variable. Sh. Iomudov. Izv. Akademii SSR, Ser. fiz.-tekh., khim. i geol. nauk no. 1 10 [illegible] '62.

CONGLOMERATE see subdivision under Caucasus, Northern; Kola Peninsula

CONGO (LEOPOLDVILLE)—EDUCATION

Shadow of neocolonialism over the Congo. [illegible] lenko. Sov. pedag. 27 no. 11:87-91 N '63.

CONGO (LEOPOLDVILLE)—POLITICS AND GOVERNMENT

Congo as an arena for new provocations. [illegible] Nov. vrem. 21 no. 48:16-17 N '63.

CONGO VALLEY—HISTORY

"How imperialists divided the Congo Valley, [illegible]" by A. Z. Zusmanovich. Reviewed by I. A. Nikit[illegible]. Vop. ist. 38 no. 12:141-142 D '63.

CONNECTIVE TISSUES

Influence of some factors on the growth and differentiation of the connective tissue in the regeneration of the cornea, aorta, tendons and bones in biological [illegible] works. B. B. Fuks and others. Dokl. AN SSSR [illegible] no. 5 1260-1262 O '63.

CONNECTIVE TISSUES—SURGERY

"Surgical anatomy of the fasciae and cellular tissue space in man" by V. V. Kovanov, T. I. Anikhina. Reviewed by B. M. Khromov. Vest. khir. 90 [illegible] 147 Je '63.

CONSCIENCE

Shakhnovich, M. I. [Talks with believers about conscience] Besedy s veruiushchimi o sovesti. Leningrad, Ob-vo po rasprostraneniiu politicheskikh i [illegible] znanii RSFSR, 1963. 56 p.

CONSERVATION OF NATURAL RESOURCES

Moscow. Vsesoiuznyi institut iuridicheskikh nauk. [Legal problems of conservation in the U. S. S. R.] Pravovye voprosy okhrany prirody v SSSR, sbornik statei Otv. red. G. N. Poliunskaia. Moskva, Gosiurizdat, *1963* 331 p.

CONSERVATION OF WILDLIFE see Wildlife, Conservation of

CONSERVATORIES OF MUSIC see subdivision under Gorlovka

CONSTITUTIONAL DISEASES see Diseases, Constitutional

CONSTITUTIONAL LAW

Tennovala, H. H. [Constitutional law of bourgeois countries, subject, definition, nature, characteristics, sources, and system of a course on bourgeois constitutional law] Gosudarstvennoe pravo burzhuaznykh stran, predmet, opredelenie, sushchnost', kharakternye cherty, istochniki i sistema kursa burzhuaznogo gosudarstvennogo prava Kurs lektsii. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 60 p

CONSTRUCTION EQUIPMENT

Exhibition of the "Office of New Technology for Building and Assembling Organizations" in the "Building" Section of the Exhibition of the Achievements of the National Economy of the U. S. S. R. Opyt rab. po tekh. inform. i prop. no. 2:30-39 '63.

Improve economic work standards in the field of construction mechanization. Ekon. stroi. no. 11:3-5 N '63.

More on the reliability and life of construction machinery. A. A. Kornev, G. S. Makarova. Stroi. i dor. mash. 8 no. 11:11-17 N '63.

Periodical "Building and road machinery." E. I. Nemerovskii. Mekh. i avtom. proizv. 17 no. 10 57-58 O '63.

Photoelectric methods of continuous control of concentrations of suspended matter. E. I. Novakov. Shor. trud. VNIIitromonopha no. 2:81-120 '60.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. 3, Sec. A, ch. 4. [Basic principles for over-all mechanization and automation in the construction industry] Kompleksnaia mekhanizatsiia i avtomatizatsiia v stroitel'stve; osnovnye polozheniia (SNiP III-A. 4-62). 1963. 8 p.

A series of building machinery for inter-farm building organization units. M. Rud'ko. Sil' bud. 12 no. 1:8-9 Ja '62.

Unit for feeding bitumen onto roofs. G. A. Svistunov. Stroi. i dor. mash. 8 no. 11:18-20 N '63.

We are discussing the efficient utilization of machines and mechanical appliances in construction. Ekon. stroi. no. 11 40-51 N '63.

CONSTRUCTION EQUIPMENT—ABSTRACTS

[Manufacture of mining machinery, construction equipment, and road machinery] Ref. zhur.: Gor., stroi. i dor. mashinostr. no. 12 D '63.

CONSTRUCTION EQUIPMENT—MAINTENANCE AND REPAIR

(see also subdivision under Leningrad)

[Maintenance of construction machinery] Tekhnicheskoe obsluzhivanie stroitel'nykh mashin. [By] K. P. Chudakov i dr. Moskva, Gosstroiizdat, 1963. 259 p.

CONSTRUCTION EQUIPMENT INDUSTRY

Along Lenin's path. Stroi. i dor. mash. 8 no. 11:1 N '63.

CONSTRUCTION INDUSTRY

(see also subdivision under Akademgorodok; Armenia; Europe, Eastern; Fergana; Grodno; Kirovograd Province; Lenin District, North Kazakhstan Province; Leningrad; Lithuania; Minsk; Moscow; Ukraine; Ust'-Kamenogorsk; Vinnitsa Province; Vologda; White Russia)

Brief news. Transp. stroi. 13 no. 9:77-78 S '63.

For a high level of construction. Arkhit. SSSR no. 1:1-2 '62.

For a more rapid expansion of the work experience of leading large-panel housing enterprises. S. IA. Makarenov. Bet. i zhel.-bet. 9 no. 10:433-436 O '63.

From the pages of newspapers and magazines. Sil' bud. 12 no. 1:19 Ja '62.

From the pages of periodicals. Stroi. i dor. mash. 8 no. 11:40 N '63.

An industrial and technical conference of all sectors of the construction industry. Energ. stroi. no. 16:92 '60.

[Library: "Aid for students studying the problems of the economics of construction in elementary schools of economics"] Bibliotechka "V pomoshch' izuchaiushchim voprosy ekonomiki stroitel'stva v nachal'nykh ekonomicheskikh shkolakh." 12 v. in folder (2 v. wanting). Barnaul, Altaiskoe knizhnoe izd-vo, 1960.

Sokolov, I. G. [Major construction and its role in providing the material and technical foundation of communism] Kapital'noe stroitel'stvo i ego rol' v sozdanii material'no-tekhnicheskoi bazy kommunizma. 35 p.

Kirkinskii, L. D. [Organization of construction designing] Organizatsiia proektirovaniia stroitel'stva. 25 p.

Gontarev, V. I. [Analysis of the economic activity of construction organizations] Analiz khoziaistvennoi deiatel'nosti stroitel'nykh organizatsii 29 p.

Illarionov, A. R. [Organization of labor and wages in the construction industry] Organizatsiia truda i zarabotnoi platy v stroitel'stve 39 p.

Koksheney, M. S. [Construction cost and ways to reduce it] Sebestoimost' v stroitel'stve i puti ee snizheniia. 39 p.

Belov, I. S., and G. I. Dvigun. [Business accounting in construction] Khozraschetnyi raschet v stroitel'stve. 35 p.

Valegin, P. N. [Fixed assets and working capital in construction] Osnovnye i oborotnye fondy v stroitel'stve. 35 p.

Saragkin, F. M., and Sh. F. Khazinskii. [Financing of construction. Financial economy of construction organizations] Finansirovanie stroitel'stva Finansovoe khoziaistvo stroitel'nykh organizatsii 35 p.

Kogan, A. M. [Ways for speeding-up and improving the quality of construction] Puti uskoreniia i povysheniia kachestva stroitel'stva 35 p

Kholodkov, V. I. [Practice of advanced workers and innovators in construction is an important reserve in carrying-out plans] Opyt peredovikov i ratsionalizatorov v stroitel'stve — vazhnyi rezerv vypolneniia planov. 27 p.

Main trends in eliminating manual labor in construction. V. Shaftanskii. Ekon. stroi. no. 11:6-11 N '63.

New occupation of the electronic brain. V. Rybal'skyi, V. Sadovs'kyi. Nauka i zhyttia 13 no. 10 4-5 N '63.

Prepare in good time for winter. Transp. stroi. 13 no. 9:1-2 S '63.

Smirnov, N. A. [Objectives and prospects of the development of the construction industry in the U. S. S. R.] Zadachi i perspektivy razvitiia stroitel'noi industrii SSSR, stenogramma lektsii. Leningrad, 1963. 17 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Stroitel'noe proizvodstvo)

Why do construction industry units need motor vehicles? N. Chugunevets. Avt. transp. 41 no. 11 12-13 N '63.

CONSTRUCTION INDUSTRY—ACCOUNTING

(see also subdivision under Zhitomir)

Accounting and the control of materials in construction. N. Prokhorov, K. Mekhanoshin. Bukhg. uchet 20 no. 5: 43-46 My '63.

Accounting for finished work and expenditures in construction repair organizations. Kh. Zinger. Bukhg. uchet 20 no. 5:51-52 My '63.

Accounting in capital construction. Bukhg. uchet 20 no. 10, 67-68 O '63.

Iuzbashev, S. G., and E. S. Shkutnik. [Principles of planning, accounting, and business accounting in designing and engineering research organizations] Osnovy planirovaniia ucheta i khoziaistvennogo raschета v proektnykh i izyskatel'nykh organizatsiiakh. Moskva, Gosstroiizdat, 1963. 338 p.

Standard method of accounting for expenditures. S. Krylov. Nar. khoz. Kazakh. 21 no. 9:62-67 S '63.

CONSTRUCTION INDUSTRY—BIBLIOGRAPHY see Bibliography—Construction industry

CONSTRUCTION INDUSTRY—COMMUNICATION SYSTEMS

Standard equipment of central control points of plants and construction projects. IU. IU. Budantsev. Stroi. i dor. mash. 8 no. 11:13-16 N '63.

CONSTRUCTION INDUSTRY—CONGRESSES

Principal trends in construction and architecture. Arkhit. SSSR no. 1:3-5 '62.

CONSTRUCTION INDUSTRY—COSTS

Akademiia stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skii institut ekonomiki stroitel'stva. [Manual for estimated costs in construction] Spravochnik po smetnomu delu v stroitel'stve. Moskva, Gosstroiizdat,

Pt. 2, 1963, 482 p.

Artem'eva, N. A., and L. A. Kvitnitskii. [Control over reducing construction and assembly work costs] Kontrol' za snizheniem sebestoimosti stroitel'no-montazhnykh rabot. Moskva, Gosfinizdat, 1963. 85 p. (V pomoshch' bankovskomu rabotniku)

CONSTRUCTION INDUSTRY—FINANCE

Improve the financial and administrative operations of housing construction combines. G. Bromberg. Ekon. stroi. no. 11 24-27 N '63.

Improve the methods for construction planning and financing. B. Ionas, I. Kanushch va. Pl. i finans. 10 no. 12 63-66 D '63.

CONSTRUCTION INDUSTRY—FIRES AND FIRE PREVENTION

Vereskunov, V. K., and M. G. Shevalov. [Fire safety in the performance of construction and erection work] Pozharnaia bezopasnost' pri proizvodstve stroitel'no-montazhnykh rabot. Moskva, Gosstroiizdat, 1933. 111 p

CONSTRUCTION INDUSTRY—LABOR PRODUCTIVITY

Labor productivity analysis in construction. I. Bakhtin. Bukhg. uchet 20 no. 9 28-33 S '63.

Mechanization is the most important reserve in the increase of labor productivity. V. A. Balakin. Transp. stroi. 13 no. 9, 44-45 S '63.

CONSTRUCTION INDUSTRY—MANAGEMENT

(see also subdivision under Kuybyshev)

New textbook on construction economics. A. Repenko. Ekon. stroi. no. 11 69-70 N '63.

Oves, I. S., and I. Z. Sapozhnikov. [Organization of the supply and replenishment of materials and equipment for construction] Organizatsiia material'no-tekhnicheskogo snabzheniia i komplektatsii stroitel'stva, opyt raboty Glavmosstroia Moskva, Gosstroiizdat, 1963 213 p.

Zen'kov, I. S., and G. N. Serebrianyi. [Examples of organization planning in construction and erection work] Primery proektirovaniia organizatsii stroitel'no-montazhnykh rabot, opyt diplomnogo proektirovaniia. Moskva, Gosstroiizdat, 1963. 170 p.

CONSTRUCTION INDUSTRY—PRICES

For the further improving of price determination in construction. L. Ostatinskii. Ekon. stroi. no. 11 61-63 N '63

CONSTRUCTION INDUSTRY—PRODUCTION METHODS see subdivision under Leningrad

CONSTRUCTION INDUSTRY—TECHNOLOGICAL INNOVATIONS

Kudriavtsev, E. A. [Main roads of technical progress in construction] Osnovnye puti tekhnicheskogo progressa v stroitel'stve [Moskva] Moskovskii rabochii, 1963. 78 p. (Osnovy ekonomicheskikh znanii — lazhdomu rabochemu)

Valuable aid for calculating the economic efficiency of mechanization in construction. E. Varentik, M. Spektor. Ekon. stroi. no. 11:70-72 N '63.

CONSTRUCTION WORKERS see subdivision under Grodno; Kursk Magnetic Anomaly, Polotsk

CONSULS

International law and the legal status of consuls. O. F. Sakun. Izv. vys. ucheb. zav., prav. 7 no. 3 161-166 '63.

CONSUMPTION (ECONOMICS)

Kornienko, V. T. [Price and national consumption] TSena i narodnoe potreblenie. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. III Seriia: Ekonomika, no. 18)

CONTAINERS—ABSTRACTS

[Container shipments and the interaction of various types of transportation] Ref. zhur.: Vzaimodeis. raz. vid. transp. i kont. perev. no. 12 D '63.

CONTINUITY

A space of relative distances. M. A. Shtan'ko. Usp. mat. nauk, 18 no. 5:213-218 S-O '63.

CONTRACTING PARTIES TO THE GENERAL AGREEMENT ON TARIFFS AND TRADE

What is the General Agreement on Tariffs and Trade? G. Zotov. Nov. vrem. 21 no. 46 18-19 N '63.

CONTRACTS

"Soviet civil law; some categories of contracts" by O. S. Ioffe; book review. Rad. pravo no. 6 144-145 N-D '63.

CONTRACTS, AGRICULTURAL

Basic characteristics of contracts covering agreements to deliver agricultural products. V. F. IAkovlev. Izv. vys. ucheb. zav.; prav. 7 no. 3 58-66 '63.

Borovikov, N. A. [Contracts on farm produce delivery] Dogovor kontraktatsii sel'skokhoziaistvennoi produktsii. Moskva, Gosiurizdat, 1963. 78 p.

CONTRACTUAL PENALTIES see Penalties, Contractual

CONTRACTURE

Fixation of the extremities in the treatment of spastic contractures. S. A. Kalinina. Vest. khir. 91 no. 7 74-76 Jl '63.

Role of muscular atrophy in the genesis of posttraumatic contractures and its control. V. V. Volkov. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 16, 203-207 '59.

CONTRAST MEDIA

Use of double contrast and pneumoperitoneum in the X-ray examination of patients with resected stomach [with summary in English]. L. G. Fridman. Vest. rent i rad. 38 no. 5 46-50 S-O '63.

CONTROLLED FUSION

Konferentsiia po fizike plazmy i probleme upravliaemogo termoiadernogo sinteza, 2d, Kharkov, 1960 [Plasma physics and the problem of controlled thermonuclear synthesis] Fizika plazmy i problemy upravliaemogo termoiadernogo sinteza, doklady Kiev, Izd-vo Akad. nauk USSR.
No. 2 1963 343 p.

CONVALESCENCE

Some problems of recovery. G. N. Kryzhanovskii. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1 110-126 '58.

CONVERTERS

Stabilized magnesite-dolomite bricks in converter linings. G. Z. Dolgina, E. P. Markevich. Ogneupory 28 no. 12 553-558 '63

CONVEX SURFACES

Extremum problems for surfaces of bounded Gaussian curvature. A. I. Fet. Dokl. AN SSSR 153 no. 2 292-295 N '63

CONVEYING MACHINERY

Automatic control of conveyor systems. E. Shumkov. Rech. transp. 22 no. 10:15-16 O '63.

Control of manipulators of automatic conveying systems. P. S. Bondarenko, I. M. Palilov. Khim. prom. no. 8: 616-619 Ag '63.

Design of an automatic vibrating feeding for the transfer of individual parts. D. IA. Il'inskii, I. I. Kapustin. Izv. vys. ucheb. zav., tekh. leg. prom. no. 5:147-162 '63.

Digital servosystem for a movable reversing conveyor. V. I. Lavrinenko, V. A. Navarenko. Mekh. i avtom. proizv. 17 no. 10:30 O '63.

Erecting steel structures of a conveyor bridge. S. Rabinovich, P. Tarushkin. Prom. stroi. i inzh. soor. 5 no. 5:29-35 S-O '63.

Operating efficiency of a screw conveyor. K. V. Fedukova. Shor. prom. GOsNIITI no. 16:80-84 [61].

Rapid transportation of soils in machines of continuous operation. G. B. Naret. Stroi. dor. mash. 8 no. 11: 17-18 N '63.

Relay units for the automation of conveyor lines. I. M. Moshek, I. B. Gorinovich. Avtom. i telem. no. 4:20-21 O-D '63.

Sling with self-reversing suspension. G. P. Itel'man. Mashinostroenie no. 6:73-74 N-D '63.

Vertically closed conveyor. V. G. Kobiliatskii, B. G. Golubiatnikov. Mashinostroenie no. 6 10-11 N-D '63.

CONVEYING MACHINERY—SAFETY MEASURES

Nikitin, G. M. [Safety measures in operating hoisting and conveying machines in construction] Tekhnika bezopasnosti pri ekspluatatsii pod"emno-transportnykh mashin v stroitel'stve. Pod obshchei red. N. A. Smirnova. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962. 33 p. (Bibliotechka stroitelia po tekhnike bezopasnosti, no. 5)

COOKERY

Advice to the cook. V. Davlianidze and others. Obshchestv. pit. no. 12:11-16 D '61.

Cookery. Rab. i stial. 39 no. 10:23 O '63.

From the cook's notebook. S. Adrianova. Obshchestv. pit. no. 6:23 Je '63.

From the cook's notebook. S. Andrianova. Obshchestv. pit. no. 8:30-31 Ag '63.

From the cook's notebook. S. Andrianova. Obshchestv. pit. no. 12:17 D '61.

Grigor'ev, P. IA. [Cold dishes and hors d'oeuvres] Kholodnye bliuda i zakuski. [Izd. 7.] Moskva, Gostorgizdat, 1963. 127 p. (Biblioteka povara)

Recipes for home cooking. E. Oganezova. Obshchestv. pit. no. 12:50-51 D '61.

Umanskii, A. A. [Food is prepared by automatic machines] Pishchu gotoviat avtomaty. Moskva, Izd-vo "Znanie," 1933. 31 p.

COOKERY (ONIONS)

Garnishes and dishes made with onions. L. Vinokurova. Obshchestv. pit. no. 12:19-20 D '61.

COOKERY (POTATOES)

Made of potatoes. Rab. i stial. 39 no. 11:24 N '63.

Provisory technological instructions on the preparation of crisp fried potatoes in the presence of customers. Obshchestv. pit. no. 12:61-63 D '61.

COOKERY (VEGETABLES)

Cookery of early vegetables. S. Protopopova. Obshchestv. pit. no. 6:21-22 Je '63.

COOKERY, GERMAN

German cookery. A. Povolotskaia. Obshchestv. pit. no. 12:17-18 D '61.

COOKERY, INTERNATIONAL

Particular features of cookery for foreign tourists. G. Stankovich. Obshchestv. pit. no. 8:28-30 Ag '63.

COOKERY, ORIENTAL

Specialist in oriental cookery. R. Bikle. Obshchestv. pit. no. 8:44-46 Ag '63.

COOKERY, UZBEK

Makhmudov, Kamil. [Uzbek cookery] Uzbekskie bliuda. Tashkent, Gos. izd-vo UzSSR, 1962 214 p.

COOKERY FOR INSTITUTIONS, ETC.

Collection of recipes and their practical application. What kind of new collection of recipes do we need? IA. Magidov. Obshchestv. pit. no. 8 23-21 Ag '63.

COOKERY FOR THE SICK

Weight reducing menus. K. Prostiakov. Obshchestv. pit. no. 12:41-12 D '61.

COOKING SCHOOLS
(see also subdivision under Krasnoyarsk)

One day of theory, five days of practice. M. Belokhvostikov. Obshchestv. pit. no. 6 4 Je '63

The teacher of the class is Vera Matveevna Golubchikova N. Vaganova Obshchestv. pit. no. 6:12-15 Je '63

COOPERATIVE BANKS see Banks and banking, Cooperative

COOPERATIVE EDUCATION see Education, Cooperative

COOPERATIVE SOCIETIES
(see also subdivision under Alma-Ata, Dengizskiy District; Dzhambul Province, Europe, Western; Finland; Kaskelen; Kazakhstan, Lenin District, North Kazakhstan Province, Leningrad; Merke; Tajikistan; Verkhniy Karachan, Voronezh Province; Voronezh Province)

Let's improve the work of automotive transportation N. Lebedev, R. Shteinberg. Sov. potreb. koop. 7 no. 10 45-46 O '63

They should be controlled by the community Sov. potreb. koop. 7 no. 10:47-49 O '63.

COOPERATIVE SOCIETIES—ACCOUNTING

Important means of economic guidance. N. Il'in Sov. potreb. koop. 7 no. 10:39-43 O '63

COOPERATIVE SOCIETIES—AUDITING AND INSPECTION see subdivision under Ural Province, Yamsay

COORDINATES

Change-over from spatial rectangular coordinates to geodesic coordinates. A. V. Butkevich. Geod. i kart. no. 10:12-17 O '63.

Tying in of observation points. E. Volodin. Vozn. vest. 43 no. 10 25 O '63.

COPEPODA

Method for calculating the productivity of planktonic copepods [with summary in English]. V. N. Greze. Zool. zhur. 42 no. 9:1329-1337 '63.

COPPER

Preparation of a conducting plastic material. Part 1 Copper coating of polystyrene. V. I. Shorokhova, L. L. Kuz'min. Izv. vys. ucheb. zav., khim. i. khim. tekh. 6 no. 5:816-822 '63.

Reagents in the flotation of copper precipitate. A. K. Livshits, L. IA. Shubov. TSvet. met. 36 no. 10:11-16 O '63.

COPPER—ANALYSIS

New luminescent catalytic reaction for determining copper [with summary in English]. S. U. Kreingol'd, E. A. Bozhevol'nov. Zhur. anal. khim. 18 no. 8:942-949 Ag '63.

Violuric acid as an indicator in complexonometric titration of copper [with summary in English]. P. P. Solodovnikov. Zhur. anal. khim. 18 no. 8 1026-1027 Ag '63.

COPPER—ELECTRIC PROPERTIES

Intercrystallite electric transfer of silver in copper. S. M. Klotsman, A. N. Timofeev, I. Sh. Trakhtenberg. Fiz. met. i metalloved. 16 no. 4:611-612 O '63.

COPPER—METALLURGY

Pyrometallurgy of copper in foreign countries. L. M. Gazarian. TSvet. met. 36 no. 10:88-95 O '63.

Stoichiometric and heat calculations in the oxygen-enriched smelting of copper sulfide concentrates. F. G. Egorov, IU. A. Bykhovskii, L. M. Bochkarev. TSvet. met. 36 no. 10:30-34 O '63.

COPPER, EFFECT OF RADIATION ON

Pravdiuk, N. F., and P. A. Platonov. [Stress-rupture strength of copper following irradiation] Izuchenie dlitel'noi prochnosti medi posle obluchenila. Moskva, In-t atomnoi energii, 1960. 15 p.

COPPER ALLOYS—TESTING

High strength electroconductive copper alloys. R. G. Pavlova. TSvet. met. 36 no. 10:64-69 O '63.

COPPER CHLORIDES

Kinetics of liquid-phase hydrochlorination of [illegible] in the presence of cuprous chloride. R. M. Flid [illegible] others. Kin. i kat. 4 no. 5 698-705 S-O '63.

COPPER INDUSTRY see subdivision under Balkhash

COPPER METABOLISM

Content of copper in the bodies of the mother and fetus [with summary in English]. IU. V. Lanchakov, V. [illegible] i gin. 39 no. 4 59-63 Jl-Ag '63.

Copper metabolism in toxemias during the second half of pregnancy [with summary in English]. Z. M. Ri[illegible] Khush. i gin. 39 no. 4 63-66 Jl-Ag '63.

COPPER MINES AND MINING see subdivision under Agarak, Alaverdi (Armenia), Dzhezkazgan region

COPPER–NICKEL ALLOYS see Nickel-copper alloys

COPPER ORES

Analysis of the cost of copper-molybdenum ores. V. Petrosian. Prom. Arm. 6 no. 9 27-31 S '63.

COPPERSMITHING—SAFETY MEASURES

Grinberg, P. I. [Handbook for the coppersmith] Pamiatka mednika. Moskva, Avtotransizdat, 1963. 28 p. (Tekhnika bezopasnosti na avtotransporte)

COPYING PROCESSES

Means of making diagrams on transparent dielectric material. NII no. 9 44-45 '63.

Ways of efficiently reproducing information media. G. I. Goldgamer, P. A. Fainboim. Opyt rab. po inform. i prop. no. 2:18-23 '63.

COPYRIGHT

Azov, L. M. [Copyright royalties for the publication of literary works] Avtorskii gonorar za izdanie literaturnykh proizvedenii. Moskva, Goslitizdat, 1963. 62 p. (Iuridicheskie konsul'tatsii dlia naseleniia v voprosakh i otvetakh)

Ionas, V. IA. [Criteria for creative work in copyright and trial practice] Kriterii tvorcheskoi raboty v avtorskom prave i sudebnoi praktike. Moskva, Izd-vo "Iuridicheskaia skala lit-ra," 1963. 136 p.

New rules which regulate the payment of copyright royalties. IF. Il'yichenko. Rad. pravo no. 8 [illegible] D '63.

COREMAKING

Fillers for large and medium cores. S. S. Bogdanov, Z. I. Denisova. Lit. proizv. no. 10:38 O '63.

Mechanization of coremaking. Kh. Amirkhanian. Prom. Arm. 6 no. 9 36-39 S '63.

COREMAKING—EQUIPMENT AND SUPPLIES

Chill drum for casting core skeletons. I. Z. [illegible] Lit. proizv. no. 10:39-40 O '63.

CORES (ELECTRICITY)

Analysis of static and pulse parameters of [illegible] with rectangular hysteresis loops. V. V. Ivanov. Avtom. i telem. 24 no. 11:1551-1561 N '63.

Conditions of most efficient magnetic polarity reversal in cores with rectangular hysteresis loops during a given time interval [with summary in English]. I. D. Rozental', Avtom. i telem. 24 no. 11:1561-1572 N '63.

Kravchenko, L. D. [Transfluxors in remote control systems] Transfluksory v ustroistvakh teleupravleniia. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1963. 81 p. (Biblioteka po avtomatike)

CORN (MAIZE)
(see also subdivision under Aktyubinsk Province)

Chemical composition of corn during various developmental stages. A. M. Palamar', Izv. Irkutsk. [illegible] 89 '59.

Consultations and advice. Sov. potreb. koop. [illegible] 64 O '63.

Effect of moisture and circumferential velocities on the damaging of corn kernels. V. A. IAkovenko, V. I. Malakhovtsev. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:64-66 '63.

Fedin, M. A. [Corn] Kukuruza. [Orel] Orlovskoe knizhnoe izd-vo, 1963. 130 p. (DNAL)

Nitrogen compounds in sweet corn at its milky stage of ripening. A. T. Matikh, S. I. Ufrchenko. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:10-13 '63.

Some features of phosphorus distribution in corn and the development of reproductive organs. V. G. [illegible] Dokl. TSKHA no. 47,103-108 '59.

CORN (MAIZE)—ANALYSIS
(see also subdivision under Armenia)

Method for the spectral analysis of the chemical element composition of corn kernels. M. A. Zinfarova, Trishin. Izv. vys. ucheb. zav.; pishch. tekh. no. 5 [illegible] 146 '63.

CORN (MAIZE)—DISEASES AND PESTS see subdivision under Ukraine

CORN (MAIZE)—FERTILIZERS AND MANURES
Effect of lime and organic-mineral mixtures in increasing the yield of corn. P. A. Orlikova. Dokl. TSKHA no. 97:61-63 '63.

CORN (MAIZE)—HARVESTING
Light strengthens the wings. O. Makhanova. Sel'. mekh. no. 10:6-7 O '63.

CORN (MAIZE)—IRRIGATION see subdivision under Ukraine

CORN (MAIZE)—STORAGE
Changes in the fat of corn seeds during prolonged storage. V. V. Makarov, A. P. Prokhorova. Trudy VNIIZ no. 43:51-67 '63.

CORN (MAIZE)—VARIETIES
(see also subdivision under Dzhezkazgan region)
Chemical and technological properties of the promising popcorn hybrids. F. G. Gorun, A. G. Ilinchenko. Kons. i ov. prom. 18 no. 11:38-40 N '63.
Genetics, giants and kind midgets. Lev Il'dasin. Znan. sila 38 no. 9:15-16 S '63.
Proteins of various corn varieties and hybrid corn (with summaries in English, German, and French). G. S. Mikheeva. Vest. sel'skokhoz. nauki 8 no. 6:48-54 Je '63.
Valuable contribution of Soviet specialists. M. Blinkova. NTO 5 no. 11:30-31 N '63.

CORN AS FEED
Physiological evaluation of corn ensilage. Report No. 2. N. G. Baranova, B. N. Nikitin. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:10-16 '63.
Role of propionic acid bacteria in corn ensilage. D. I. Shamin, K. A. Il'ina. Trudy Inst. mikrobiol. i virusov AN Kazakh. SSR 7:4-9 '63.

CORN OIL
Effect of corn oil on some indicators of lipoid and protein metabolism in atherosclerosis patients [with summary in English]. V. N. Rozlovskii. Klin. med. 40 no. 11:112-115 N '62

CORN PRODUCTS
New type of sacchariferous products from corn. N. M. Kedotov, G. V. Gulkina. Sakh. prom. 37 no. 10:47-51 O '63.

CORNCOBS
Pentose hydrolysis of cottonseed hulls and corncobs with hexose hydrolyzates [with summary in English on p. 164]. M. E. Shpuntova and others. Sbor. trud. NIIGS 11:7-15 '63.
Production of protein-carbohydrate fodder from straw and corncobs [with summary in English on p. 165]. L. I. Komarova, K. A. Vasil'eva, P. N. Fisher. Sbor. trud. NIIGS 11:49-57 '63.

CORNCOBS AS FEED see subdivision under Ukraine

CORNEA—DISEASES
Effect of caffeine and bromine preparations on the course of an inflammatory process (experimental keratitis). I. P. Pshenichnyi. Trudy Khab. med. inst. 23 no. 2:57-60 '62.

CORNSTARCH
(see also subdivision under Klimovo, Bryansk Province)
Index of starch extraction from corn in its processing. D. K. Zibirov. Sakh. prom. 37 no. 10:51-52 O '63.
"Technological control and accounting in the manufacture of starch products from corn" by S. F. Kravchenko, A. A. Tsukhanova, A. P. Pisanskii. Izv. vys. ucheb. zav., pishch. tekh. no. 5:160 '63.

CORONARY HEART DISEASE
Botkin's cholecysto-coronary syndrome. B. P. Kushelevskii, L. N. Panynkova. Klin. med. 41 no. 7:9-12 Jl '63.
Reply to the article "Coronary insufficiency in intellectual workers" by E. E. Kristel and coauthors. Klin. med. 40 no. 11:144-147 N '62.
Significance of determining the activity of glutamic oxalacetic transaminase, aldolase and C-reactive protein for the differentiation of macro- and microfocal myocardial infarction. B. IA. Bait. Terap. arkh. 35 no. 5:28-31 My '63.
Significance of some indices of protein and lipid metabolism for the differential diagnosis of forms of coronary insufficiency [with summary in English]. A. M. Britov. Terap. arkh. 35 no. 5:21-27 My '63.

CORONARY VESSELS
"Coronary circulation of the blood and experimental myocardial infarct" by V. V. Frol'kis and others. Reviewed by L. I. Cholka. Vrach. delo no. 11:152-153 N '63.

CORONARY VESSELS—ABNORMITIES AND DEFORMITIES
Anomalies of the coronary arteries of the heart [with summary in English]. A. V. Smol'iannikov, T. A. Naddachina. Arkh. pat. 25 no. 6:3-16 '63.

CORONARY VESSELS—DISEASES
Methods of intravital coronary arteriography, a review of foreign literature. T. D. Figurina, M. P. Romanova. Vest. khir. 91 no. 7:95-98 Jl '63.
Study of coronary blood circulation in diabetes mellitus (ECG dynamics over a 24-hour period) [with summary in English]. E. L. Kilinskii, I. M. Egart. Terap. arkh. 35 no. 5:46-50 My '63.

CORRESPONDENCE SCHOOLS AND COURSES
(see also subdivision under Podol'sk, Moscow Province)
Class group consultations in our correspondence technical school. V. I. Bazhenov, V. I. Pompa. Sred. spets. obr. 10 no. 11:21-26 N '63.
Conferences of correspondence students became a tradition. G. F. Eremeeva. Vest. vys. shkoly 21 no. 11:57-59 N '63.
New methods are found by searching. P. I. Rozenman. Vest. vys. shkoly 21 no. 11:81-83 N '63.

CORROSION AND ANTICORROSIVES
Balakaev, G. A., and N. A. Moshchanskii, eds. [Corrosion protection in the construction of industrial buildings] Zashchita ot korrozii v promyshlennom stroitel'stve. Moskva, Gosstroiizdat, 1963. 106 p. (Spravochnik po spetsial'nym rabotam)
Corrosion processes on metals undergoing passivation investigated by superposing anodic polarization. M. B. Cherkez, V. P. Ordin. Zav. lab. 29 no. 11:1341-1343 '63.
Effect of displacement in bilateral, one-pass joints in 1Kh18N9T steel on the appearance of knife-line corrosion. L. A. Suvorovskii, V. B. Vladimirov, G. I. Agapov. Svar. proizv. no. 6:29-30 Je '63.
Effect of surface-active substances inhibiting hydrogen sulfide corrosion on the selective wetting of iron in the two-phase system electrolyte - hydrocarbon. A. A. Gonik. Dokl. AN SSSR 152 no. 5:1181-1184 O '63.
Lengthening the service life of equipment. V. I. Rabinovich. Koks i khim. no. 11:57-58 '63.
Products of condensation of alkyl phenols and their derivatives with monochloroacetic acid as inhibitors of steel corrosion. A. M. Kuliev and others. Azerb. khim. zhur. no. 3:59-66 '62.

CORRUPTION (IN POLITICS) see subdivision under Philippines; United States

CORTICOSTEROIDS see Adrenocortical hormones; Steroids

CORTICOTROPHIC HORMONES see ACTH

CORTISOL
Adrenocortical hormones and their emergency use in surgery [with summary in English]. V. E. Volkov. Klin. med. 41 no. 7:96-99 Jl '63.
Local hydrocortisone therapy in humeroscapular periarthritis. A. M. Tetdoev, N. S. Morozov. Ortop., travm. i protez. 24 no. 6:53-54 Je '63.
Use of hydrocortisone in acute hypotension [with summary in English]. V. E. Volkov. Vest. khir. 90 no. 6:37-40 Je '63.

CORUNDUM
Effect of the addition of elements of the second group on the properties of fired corundum. N. M. Pavlushkin. Trudy MKHTI no. 37:135-147 '62.
Kinetics of the firing of corundum ceramics with participation of the liquid phase. I. A. Bulavin. Trudy MKHTI no. 37:123-134 '62.

CORUNDUM—TESTING
Effect of porosity and structure of corundum refractories on their heat conductivity. I. G. Duderov, D. N. Poluboiarinov. Ogneupory 28 no. 11:518-524 '63.
Preparation of corundum microsections. N. M. Pavlushkin. Trudy MKHTI no. 37:185-189 '62.

COSMETICS—PACKAGING
Make wider use of plastics in the perfumery and cosmetics industry. I. M. Tovbin. Masl.-zhir. prom. 29 no. 11:9-11 N '63.

COSMIC RAYS
Directional diagram of an azimuthal telescope. A. A. Luzov, G. V. Kuklin. Geomag. i aer. 3 no. 6:1094-1107 N-D '63.
Synchrotron radiation of charged articles in a dipole magnetic field [with summary in English]. A. A. Korchak. Astron. zhur. 40 no. 6:994-1006 N-D '63.

COSMIC RAYS—RESEARCH see subdivision under Masalla Mountain, Bulgaria

COSMOGRAPHY
My universe. Kirill Andreev. Nov. mir 38 no. 6:173-189 Je '63.

COST ACCOUNTING
Improve a standard accounting method for production expenditures. E. Gil'de. Bukhg. uchet 29 no. 5:1-7 My '63.

COST AND STANDARD OF LIVING
(see also subdivision under France, Leningrad)
Nurutdinov, S. [Trade unions and public consumption funds] Profsoiuzy i obshchestvennye fondy potrebleniia. [Moskva] Profizdat, 1963. 78 p. (Bibliotechka profsoiuznogo aktivista, no. 20(68)).
Oldak, P. G. [Economic problems of raising the standard of living] Ekonomicheskie problemy povysheniia urovnia zhizni. Moskva, Ekonomizdat, 1963. 110 p.

COSTS, INDUSTRIAL
Calculating the cost of plate glass. I. Lipatova. Bukhg. uchet 29 no. 11:14-16 N '63.
Index of the conventional net product. B. Rakhin. Plan. khoz. 40 no. 11:31-35 N '63.
Methods for calculating production costs. N. Leibovich. Plan. khoz. 40 no. 12:78-79 D '63.
Vainshenker, D. I. [Statistics of industrial costs] Voprosy statistiki sebestoimosti promyshlennoi produktsii. Moskva, Gosstatizdat, 1963. 177 p.

COSTUME, TURKMEN
Turkmen headdress, collection of the State Ethnological Museum of the Peoples of the U.S.S.R. A. S. Morozova. Trudy Inst. ist., arkheol. i etn. AN Turk. 7:81-118 '63.

COTTON—CLEANING see subdivision under Andizhan Province

COTTON—DRYING see subdivision under Azerbaijan

COTTON GINS AND GINNING
Determining the time expended per unit of production in the branches of the primary processing of raw materials. I. Raskin. Sots. trud 8 no. 10:106-107 O '63.

COTTON GROWING see subdivision under Gissar Valley, Gizhduvan District; Golodnaya Steppe, Kizilrepe District, Kurgantepe District, Pap District, Tajikistan, Uzbekistan, Yangiyul' District

COTTON GROWING—LABOR PRODUCTIVITY see subdivision under Uzbekistan

COTTON MACHINERY—STANDARDS
Notched band for cotton processing. A. I. Astrateev. Standartizatsiia 27 no. 11:36-37 N '63.

COTTON MANUFACTURE see subdivision under Namangan

COTTON MANUFACTURE—COSTS see subdivision under Tajikistan

COTTON MANUFACTURE—HYGIENIC ASPECTS
(see also subdivision under Orekhovo-Zuyevo)
Bulova, L. IA., A. F. Lebedeva, and A. V. Tarasova. [Work hygiene in plants of the textile industry, cotton-spinning and weaving manufacture] Gigiena truda na predpriiatiiakh tekstil'noi promyshlennosti, v bumagopriadil'nom i tkatskom proizvodstve. Leningrad, Medgiz, 1963. 49 p. (Nauchno-populiarnaia meditsinskaia literatura)

COTTON PICKING see subdivision under Kasan District, Pap District; Uzbekistan

COTTON-PICKING MACHINERY see subdivision under Khiva District, Uzbekistan; Yangiyer District

COTTON WILT
Possibility of the use of the fungicidal antibiotic trichothecin in the control of cotton wilt. S. A. Askarova, R. IA. Ioffe. Antibiotiki 7 no. 10:920-930 O '62.

COTTONSEED
Mechanization of the unloading of cottonseed from trucks. B. E. Rakhman. Masl.-zhir. prom. 28 no. 10:37-38 O '62.
Pentose hydrolysis of cottonseed hulls and corncobs with hexose hydrolyzates [with summary in English on p. 164]. M. E. Shpuntova and others. Sbor. trud. NIIGS 11:7-15 '63.

COTTONSEED OIL MILLS see subdivision under Vakhsh Valley

COUNCIL FOR MUTUAL ECONOMIC ASSISTANCE see Mutual Economic Assistance Council

COUNTING DEVICES
Corrections for counting losses in the operation of pulsed sources. I. F. Zhezherun. Prib. i tekh. eksp. 8 no. 4:76-82 Jl-Ag '63.
Digit-printing device for an AI-100 analyzer. F. E. Chukreev. Prib. i tekh. eksp. 8 no. 5:97-102 S-O '63.
Low counting-rate meter. V. V. IAkushin, IU. IA. Tel'nov. Prib. i tekh. eksp. 8 no. 4:73-76 Jl-Ag '63.
Multichannel analyzers with memory systems recording the information on a magnetic surface, review. A. P. TSitovich. Prib. i tekh. eksp. 8 no. 5:5-22 S-O '63.
Printing time-amplitude pulse analyzer without storage of information. M. S. Biriulev and others. Prib. i tekh. eksp. 8 no. 5:90-97 S-O '63.

COUPLINGS

Strengthening and restoring the rigidity of couplings in agricultural machines by gluing. M. E. Krichevskii. Sbor. rab. GOSNITI no. 16 46-53 ['61].

COURTS

(see also subdivision under Smolensk Province)

Early history of Soviet justice. Sov. iust. no. 21:1-3 N '63.

First trials in revolutionary tribunals. D. Golinkov. Sov. iust. no. 21 18-20 N '63.

Organs of Soviet justice should strengthen their contacts with trade unions. Sov. iust. no. 20:4-6 O '63.

COWS

Determining the evenness of lactation. V. D. Aksennikova. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:51-56 S '63.

CRABS see subdivision under Caspian Sea

CRACKING PROCESS

Radio-thermal cracking of gas oil of Romashkino petroleum. G. M. Panchenkov and others. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 12:99-101 '61.

CRANBERRY TREE

Disinfectant properties of Viburnum opulus. P. P. Smetankina. Vest. derm. i ven. 37 no. 7:75 Jl '63.

CRANES, DERRICKS, ETC.

(see also subdivision under Kramatorsk)

Berger, IU. B., and A. S. Bogdanskii. [Organization of specialized mechanization units] Spetsializirovannaia baza mekhanizatsii. Moskva, Avtotransizdat, 1963. 101 p. (Obmen tekhnicheskim opytom avtotransportnykh predpriiatii)

Bridge erection using a floating mast-jib crane. M. I. Pritsker. Transp. stroi. 13 no. 8:72 S '63.

Calculation of reinforced concrete columns of single-story industrial buildings for crane load. IU. A. Kashirskii. Trudy Ural. politekh. inst. no. 131:12-19 '63.

Hoisting of the drum of the TP-80 boiler using a gantry crane with pulley blocks. V. N. Shevchenko. Elek. sta. 34 no. 10:77-78 O '63.

Kantaev, G. G. [Operator of motor cranes] Mashinist avtomobil'nykh kranov. Moskva, Profizdat, 1963. 350 p.

New single-beam overhead cranes. V. Tashkinov. Tekh. v sel'khoz. 23 no. 10:60-67 O '63.

Reinforced concrete crane girders with 12 m spans under cranes with a 50-75 t. lifting capacity. IU. Luzin, I. Belinskii. Prom. stroi. i inzh. soor. 5 no. 5:35-40 S-O '63.

Stability of the block and tackle of construction cranes. V. I. Vasiukov. Stroi. i dor. mash. 8 no. 11:6-8 N '63.

Tokarev, K. K., and M. P. Demat. [Tackling operations for the installation of equipment in industrial enterprises] Takelazhnye raboty pri montazhe oborudovaniia, promyshlennykh predpriiatii. Izd. 3, perer. i dop. Moskva, Gosstroiizdat, 1963. 198 p.

CRANES, DERRICKS, ETC.—DESIGN AND CONSTRUCTION

Booms for the SKG-25 and SKG-30 cranes. S. Kheifets. Prom. stroi. i inzh. soor. 5 no. 5:61 S-O '63.

New solutions in designs for unique cable cranes. L. Shternberg. Prom. stroi. i inzh. soor. 5 no. 5:58-60 S-O '63.

Standardization of clamshells. G. Karakulin. Rech. transp. 22 no. 10, 12-13 O '63.

CRANES, DERRICKS, ETC.—ELECTRIC EQUIPMENT

Rabinovich, A. A., and M. M. Sinaiskii, eds. [Electrical equipment of cranes] Elektricheskoe oborudovanie kranov. Moskva, Gosenergoizdat, 1963. 399 p.

CRANIOLOGY see subdivision under Inkerman Valley

CRANKS AND CRANKSHAFTS

Improve the quality of machining crankshafts. M. Krivoruchko. Tekh. v sel'khoz. 23 no. 9:72-73 S '63.

Use of cast-iron crankshafts in motor-vehicle and tractor engines. G. V. Chepigin, N. S. Gul', A. P. Chizhov. Mashinostroenie no. 5:112-113 S-O '63.

CREAMERIES—ACCOUNTING see subdivision under Barnaul

CREATION (LITERARY, ARTISTIC, ETC.)

Acknowledgments and reflections. M. Pujmanova. Vop. lit. 7 no. 10:139-150 O '63.

Birth of a character. F. Svetov. Vop. lit. 7 no. 10:171-188 O '63.

Philosophy of creation. I. Anisimov. Znamia 33 no. 11:193-202 N '63.

Soldier of the vanguard. V. Minaĕ. Vop. lit. 7 no. 10:164-170 O '63.

"Ticket to eternity...." M. Majerova. Vop. lit. 7 no. 10:150-164 O '63.

CREATIVE ACTIVITIES AND SEAT WORK

Tkachou, M. [Grandfather Stameskin's advice] Parady dzeda Stameskina. Minsk, Dzlarzh. vyd-va BSSR, 1963. 33 p. (Bibliotechka pilanera-aktyvista)

CREDIT

Riabkov, A. V. [Accounting and the credit system of grain-receiving organizations] Kreditovanie i raschety khleboplemynykh organizatsii. Moskva, Izd-vo tekhn. i ekon. lit-ry po voprosam khleboproduktov, 1960. 41 p.

(NcD)

CREEP OF MATERIALS

Using the method of body disjunction in calculating for creep. A. A. Kiseev. Trudy GPI 17 no. 3, 15-23 '61.

CREEP OF METALS

Comparing microscopic and phenomenological creep theories. S. T. Konobeevskii, V. L. Indenbom. Fiz. met. i metalloved. 16 no. 4, 639-640 O '63.

Longitudinal bending of rods under creep conditions. G. S. Glushkov, N. V. Valishvili. Rasch. na prochn. no. 9 270-279 '63.

Measurement of creep deformations at 700° C by means of strain gauges. E. IU. Nekhendzi. Zav. lab. 29 no. 10 1211-1216 '63.

CREEP OF PLASTICS

Effect of thermochemical treatment of glass fibers on creep of polyester glass reinforced plastics in the air and in sea water. V. A. Bershtein, L. A. Glikman. Plast. massy no. 11 36-41 '63.

Possibility of reducing the duration for creep test during the stretching of organic glasses. A. M. Nikol'skoi. Plast. massy no. 11 50-54 '63.

CRESOL

Alkylation of o-cresol by propene in the presence of catalysts BF_3, H_3PO_4 and BF_3, $O(C_2H_5)_2$. S. V. Zavgorodnii, L. S. Khar'chenko. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 5:795-799 '63.

CRIME AND CRIMINALS

(see also subdivision under New York (City); United States)

Determination of the subjective elements of a crime during the trial of criminal cases. N. Struchkov. Sov. iust. no. 20 11-12 O '63.

Distorting mirror of anticommunist propaganda. A. Pigolkin. Sov. iust. no. 18:27-29 S '63.

Evdokimov, P. K. [Criminal responsibility of those who live a parasitic form of life] Otvetstvennost' lits, vedushchikh parazitricheskii obraz zhizni. Minsk, Izd-vo MVSS i PO BSSR, 1963. 46 p.

A few words on an article published in the periodical "Pravovedenie." S. Ostroumov. Sots. zakon. 10 no. 10:91-92 O '63.

Judicial practice in cases concerning the unauthorized occupation of land and the unauthorized construction of private residential buildings. A. Laptev. Sov. iust. no. 18 7-10 S '63.

"Kaitarma." M. Korshik. Sots. zakon. 10 no. 9:80-81 S '63.

Let us thoroughly develop the theoretical and practical study of crime and its prevention. I. Karpets. Sots. zakon. 40 no. 10 3-8 O '63.

Skill and tenacity. B. Evseev. Sots. zakon. 40 no. 9: 76-79 S '63.

Social dangerousness of criminals and grounds for their criminal responsibility. B. V. Volzhenkin. Izv. vys. ucheb. zav., prav. 7 no. 3, 90-98 '63.

Struggle against loafers and grabbers. A. Kholiavchenko. Sots. zakon. 40 no. 9:11-17 S '63.

These stories were told to us by a collection of buttons (conclusion). E. Finn. Sots. zakon. 40 no. 11:61-64 N '63.

Yaksberg, Arkadii. [We shall solve this crime; stories of criminal investigation] Prestupnik budet naiden, rasskazy o kriminalistike. Moskva, Izd-vo "Znanie," 1963. 167 p.

Voluntary abandonment of plans and preparations for the commission of a crime. N. Liass. Sov. iust. no. 22:16-18 N '63.

CRIME AND CRIMINALS—IDENTIFICATION

Identification of criminals in Soviet criminal procedure. A. Zhalinskyi. Rad. pravo no. 6:86-88 N-D '63.

CRIME IN LITERATURE

(see also subdivision under Australia)

Who needs such books? F. TSybko. Rad. pravo no. 6: 146-147 N-D '63.

CRIME PREVENTION

(see also subdivision under Bryansk Province; Leningrad; Liozno District; Rovno Province; Vitebsk)

Crime prevention is a problem of utmost importance. I. Nikolaenko, P. Burlev. Sots. zakon. 40 no. 10:27-31 O '63.

Crime prevention is the most effective way of safeguarding socialist property. F. Glukh. Sots. zakon. 40 no. 11:18-19 N '63.

Each practicing lawyer should participate in the prevention of crime. N. Sharkov. Sov. iust. no. 18:22-23 S '63.

For the efficient and highly-effective prevention of crimes. IU. Tveshchetenkov. Sots. zakon. 40 no. 11 28-31 N '63.

Let us thoroughly develop the theoretical and practical study of crime and its prevention. I. Karpets. Sots. zakon. 40 no. 10 3-8 O '63.

Practical application of the expert methods of criminal investigation in the prevention of crimes. A. I. Sots. zakon. 10 no. 10 15-47 O '63.

Prevention of rowdyism. M. Kuts. Rad. pravo no. 6 84-86 N-D '63.

Warnings of criminal investigators are an important form of crime prevention. I. Kukarskii. Sov. iust. 40 no. 11:25-27 N '63.

CRIMEA—ARCHIVES

Krymskaya oblast'. Gosudarstvennyi arkhiv. [Guide to the Government Archives of the Province of the Crimea] Krymskii oblastnoi gosudarstvennyi arkhiv, putevoditel'. Pod obshchei red. A. D. Belikovoi, A. A. Shepelevoi. Simferopol', Krymizdat, 1961. 325 p.

CRIMEA—BLACKFLIES

Materials on black flies (Diptera, Simuliidae) of the Crimea. A. E. Terterian. Izv. AN Arm. SSR [Biol.] 16 no. 10, 91-93 O '63.

CRIMEA—BOTANICAL GARDENS

Contribution of the State Nikita Botanic Garden to the development of the industry of essential oils. S. V. Frolov. Masl.-zhir. prom. 29 no. 10 10-11 '63.

CRIMEA—CHEMICAL INDUSTRIES

Chemistry as a fighting ground. M. Kucherenko, N. Efimov. Part. zhizn' no. 23:32-35 D '63.

CRIMEA—CLOUDS

Conditions for the formation of alto-cumulus lenticularis in the Crimean region. A. F. Dubinik, T. N. Ivanova, B. N. Trubnikov. Trudy TSAO no. 47 86-95 '63.

CRIMEA—FIBULA

Fibula of the Scythian Neapolis. E. A. Symonovich. Sov. arkheol. 7 no. 1:139-151 '63.

CRIMEA—LANDSLIDES

New data on landslide phenomena in the Crimean southern coast. L. B. Korzhenevskii, A. A. Ivanov, V. I. Cherevkov. Sov. geol. 6 no. 12:130-142 D '63.

CRIMEA—POTTERY, TAURI

Tauri pottery with pectinated ornament. O. D. Dzhaparidze. Sov. arkheol. 7 no. 4:205-210 '63.

CRIMEA—REVOLUTION, 1917-1921

[The glory of those days will last forever; memoirs of the old Bolsheviks] Etikh dnei ne smolknet slava; vospominaniia starykh bol'shevikov. Simferopol', Krymizdat, 1963. 140 p.

CRIMEA—SWINE—FEEDING AND FEEDS

Overall mechanization as the basis of success. Tekh. v sel'khoz. 23 no. 10:18-20 O '63.

CRIMEA—VISITORS, FOREIGN

Ozerov, M. E. [The wings of our friendship] Krylia nashei druzhby. Simferopol', Krymizdat, 1963.

CRIMINAL ATTEMPT

Complicity in the preparation of a crime and in an attempt to commit it. U. L. Kobliunkvilli. Izv. vys. ucheb. zav.; prav. 7 no. 3:148-154 '63.

CRIMINAL DEFENSES see Defense (Criminal law)

CRIMINAL EVIDENCE see Evidence, Criminal

CRIMINAL INVESTIGATION

(see also subdivision under Moscow region)

Amendment of the law on the jurisdiction of criminal investigators and some problems facing the procurator's office and prosecutors in their function to control the preliminary examination and preliminary investigation of certain offenses. N. Zhogin. Sots. zakon. 40 no. 10 [illegible] '63.

A conference on the supervision of the preliminary examination and pretrial investigation of criminal cases by public prosecutors. V. Zvirbul'. Sots. zakon. 10 no. 9:61-62 S '63.

Dactyloscopy and identification of voice. M. Shcherbovskii. Rad. pravo no. 6:56-57 N-D '63.

Determining the amount of stolen or pilfered [illegible]. V. Tanasevich. Sots. zakon. 40 no. 10, [illegible] '63.

How public prosecutors control the participation of Soviet public in the investigation of criminal cases. G. IAsinskii. Sots. zakon. 40 no. 10, 32-35 [illegible] '63.

Investigation and prevention of the pilfering of property in meat processing plants. F. Shlegel', T. Shraga. Sots. zakon. 40 no. 9:73-75 S '63.

Repentance. A. Romashov. Ogonek 41 no. 42 [illegible] '63.

Skill and tenacity. B. Evseev. Sots. zakon. 40 no. 9: 76-79 S '63.

Subject matter and tactic of criminal investigation. G. V. Artsishevskii. Izv. vys. ucheb. zav. [illegible] no. 3:99-108 '63.

CRIMINAL INVESTIGATION (Continued)

These stories are told to us by a collection of buttons (continuation). E. Finn, Sots. zakon. 10 no. 10 71-74 O '63.

These stories were told to us by a collection of buttons (conclusion). E. Finn, Sots. zakon. 10 no. 11:61-64 N '63.

These stories were told to us by a collection of buttons (to be continued). E. Finn, Sots. zakon. 10 no. 9:48-51 S '63.

Valsberg, Arkadii. [We shall solve this crime, stories of criminal investigation] Prestupnik budet naiden, rasskazy o kriminalistike Moskva, Izd-vo "Znanie," 1963. 157 p.

Warnings of criminal investigators are an important form of crime prevention. I. Kukurskii. Sots. zakon. 10 no. 11:25-27 N '63.

We should coordinate our work. A. Shilakhov. Sov. iust. no. 20:7-9 O '63.

Who is to blame? R. Moginov, M. Frenkel'. Sots. zakon. 10 no. 10:66-70 O '63.

Yet the traces remain. P. Volin. Smena 40 no. 12:30-31 Je '63.

CRIMINAL JUSTICE, ADMINISTRATION OF
(see also subdivision under Krasnoyarsk Territory; Leningrad Province, Ukraine)

"Administrative zeal." Vl. Kamnev. Sots. zakon. 10 no. 11:68-69 N '63.

For the strictest observance of socialist laws. P. Kuznetsov. Sov. iust. no. 22,1-3 N '63.

In the Office of the Public Prosecutor of the U.S.S.R. Sots. zakon. 40 no. 9:60 S '63.

In the Office of the Public Prosecutor of the U.S.S.R. Sots. zakon. 40 no. 11:76 N '63.

CRIMINAL JUSTICE, ERRORS OF see Judicial error

CRIMINAL LAW

Basic principles of the classification of criminal offenses. I. Dreiser. Rad. pravo no. 6:70-84 N-D '63.

Brainin, IA. M. [Responsibility for criminal offenses and its basis in Soviet criminal law] Ugolovnaia otvetstvennost' i ee osnovanie v sovetskom ugolovnom prave. Moskva, Gosiurizdat, 1963. 273 p.

Kadari, H., E. Raal, and I. Rebane. [Soviet criminal law. general part] Nõukogude kriminaalõigus: uldosa. Toimetaja H. Kadari. Tallinn, Eesti Riiklik Kirjastus, 1963. 359 p. [In Estonian]

Material characteristics of grounds for criminal responsibility. IU. M. Livshits. Izv. vys. ucheb. zav., prav. 7 no. 4:154-157 '63.

Sereteli, T. V. [Causal connection in criminal law] Prichinnaia sviaz' v ugolovnom prave Moskva, Gosiurizdat, 1963. 381 p.

Voluntary abandonment of plans and preparations for the commission of a crime. N. Liass. Sov. iust. no. 22:16-16 N '63.

CRIMINAL PROCEDURE

Consideration of the indictment is an important stage of legal procedure. IE. Stepanov. Rad. pravo no. 6:67-70 N-D '63.

Public and lay prosecutors. V. Savitskii. Sots. zakon. 10 no. 10:36-40 O '63.

Useful commentaries. V. Savitskii. Sov. iust. no. 21: 27-29 N '63.

CRIMINAL PROCEDURE—PROBLEMS, EXERCISES, ETC.

Kobilkov, A. S., and Mazalov, A. G. [Collection of problems in criminal procedure] Sbornik zadach po ugolovnomu protsessu. Moskva, Gosiurizdat, 1963. 235 p.

CROPS AND SOILS

Effect of soil properties and fertilizers on the winter hardiness of alfalfa and the biochemical processes in it. N. S. Avdonin, V. V. Oglozneva. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 4:57-60 Jl-Ag '63.

CRUSHING MACHINERY

Automatic control of the ball mill grinding process. Z. V. Uteush and others. Ogneupory 28 no. 12:547-553 '63.

Dynamics of a vibratory percussion crusher with a pair of self-synchronizing vibrators. R. F. Nagaev. Izv. AN SSSR, Mekh. i mashinostr. no. 5:46-53 S-O '63.

Use of stochastic methods in the determination of laws governing a granulation process. E. A. Nepomniashchii. Izv. LETI no. 47:335-341 '62.

CRUSTACEA, FOSSIL

Subclass Maxillopoda. V. I. Kapel'ka. Trudy SNIIGGIMS no. 25:107 '62.

CRYOPEDOLOGY

Automatic multichannel photorecorder for geocryological observations. N. S. Ivanov, IU. N. Annenkov. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1:101-110 '58.

CRYSTAL DETECTORS

Bent crystals with two radii of curvature of reflecting planes. P. A. Bezirganian, Z. F. Zazian, V. I. Avundzhian. Zav. lab. 29 no. 11:1382-1383 '63.

CRYSTAL LATTICES

Apparatus for determining small changes in the density of metals. IU. P. Liberov. Zav. lab. 29 no. 10 1261-1262 '63.

Crystallographic orientation of dendrites and texture in the columnar zone of a high purity tin ingot. V. O. Esin. Fiz. met. i metalloved. 16 no. 4 509-515 O '63

Density function of oscillation frequencies and the heat capacity of the graphite lattice. V. M. Rubtsov. Izv. vys. ucheb. zav., fiz. no. 5 117-120 '63.

Dependence of the curves of magnetostriction in silicon iron on the state of the crystal structure. V. A. Zaikova, IA. S. Shur. Fiz. met. i metalloved. 16 no. 4, 614-617 O '63.

Effect of anions of the bases on the trapping centers in certain alkali halide crystal phosphors with a mixed base. A. Kh. Khalilov, F. K. Isaev. Izv. AN Azerb. SSR Ser. fiz.-mat. i tekh. nauk no. 4:135-145 '63.

Effect of the technology of casting on the length of the columnar crystal zone in the UNDK 25BA alloy. A. S. Kuksin. Lit. proizv. no. 10:34-37 O '63.

Temperature dependence of vacancy concentration in iron-chromium, iron-molybdenum alloys. M. V. Kristal, V. I. Baranova. Fiz. met. i metalloved. 16 no. 4: 626-628 O '63.

CRYSTAL LATTICES—THERMAL PROPERTIES

Dependence of the thermal conductivity of the crystal lattice on the ionicity of the compound. A. V. Ioffe. Fiz. tver. tela 5 no. 11 3336-3338 N '63

CRYSTAL OPTICS

Practice in using "focal screening" in the immersion determination of mineral refraction indices. V. G. Feklichev. Trudy IMGRE no. 18:53-59 '63.

CRYSTALLINE LENS—WOUNDS AND INJURIES

Traumatic edema of the anterior capsule of the crystalline lens. A. I. Kosobutskaia Zdrav Bel. 9 no. 3 85-86 Mr '63

CRYSTALLIZATION

Certain general problems of crystallization and microliquation in alloys. IA. N. Malinochka. Lit. proizv. no. 10:28-31 O '63.

Crystallization of perlite-based glass. P. P. Budnikov, K. P. Azarov, T. N. Keshishian Ukr. khim. zhur. 29 no. 11:1215-1219 '63

Determination of the extent of crystallization of polymer films from their specific gravity. N. I. Malinin. Zav. lab. 29 no. 10.1205 '63.

Determination of the relative lengthening of aluminum alloys in the temperature range of crystallization. L. I. Novikov, V. S. Zolotarevskii. Zav. lab. 29 no. 10. 1202-1204 '63.

Determining the crystallization front by the distance between dendrite axes. E. I. Akimova, N. M. Lapotyshkin, A. V. Leites. Shor. trud. TSNIICHM no. 32:72-74 '63.

Effect of crystallization on the heat conductivity of selenium. M. I. Veliev and others. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 4:33-36 '63.

Effect of ferrosilicon additions on the crystallization of magnesium cast iron. A. IA. Khrapov, V. I. Bedarev. Izv. vys. ucheb. zav., chern. met. 6 no. 10:134-138 '63.

Effect of mechanical factors on the rate of crystallization of isotactic polystyrene. A. A. Frolova, P. V. Kozlov, V. A. Kargin. Dokl. AN SSSR 153 no. 2 304-307 N '63.

Experimental studies of the crystallization process of silicate melts corresponding to the composition of basic rocks. N. F. Chelishchev, V. A. Kuznetsov, IU. P. Dikov. Dokl. AN SSSR 152 no. 3:709-712 S '63.

Glass crystallization in the system SiO_2 - Al_2O_3 - MgO - R_2O in the presence of additives. S. I. Sil'vestrovich, E. M. Rabinovich. Trudy MKHTI no. 37:75-84 '62.

Structural heredity in steel. G. N. Bogachev, Sebastitivsev. Fiz. met. i metalloved. 16 no. 525 O '63.

CRYSTALLOGRAPHY

Chemical saw and drill. A. IA. Preobrazhen, Stepanov. Prib. i tekh. eksp. 8 no. 4:192-'63.

Determining the symmetry of magnetic crystals. Kovalev. Fiz. tver. tela 5 no. 11:3150-3163

Dynamics of the domain structure during ma... I. F. Degtiarev, D. A. Laptei. Izv. vys. uche... no. 3:7-11 '63.

Possible magnetic structures in crystals with trical close hexagonal packing of magnetic ... Kovalev. Fiz. tver. tela 5 no. 11:3164-3172

Substantiation of Bravais' rule. S. N. Zadum... tver. tela 5 no. 11:3317-3318 N '63.

Valence band structure of chalcopyrite type ... V. A. Chaldyshev, G. F. Karavaev. Izv. vys. ... fiz. no. 5:103-112 '63.

CRYSTALS—ABSORPTION SPECTRA

Calculating the position of a β-band in the al... spectrum of the NaCl crystal. A. A. Kisel... tver. tela 5 no. 11:3238-3240 N '63.

Theoretical examination of the energy of an electron transition corresponding to a β-band. Van Chih-gan [Wang Chih-kang] Fiz. tver. tela 5 no. 11 3231-3237 N '63

CRYSTALS—ACOUSTIC PROPERTIES

Frequency spectrum of acoustic vibrations of crystals with vacancies. S. I. Masharov. Izv. vys. ucheb. zav., fiz. no. 5 39-42 '63.

CRYSTALS—DEFECTS

Frequency spectrum of acoustic vibrations of crystals with vacancies. S. I. Masharov. Izv. vys. ucheb. zav., fiz. no. 5 39-42 '63.

Microscopic studies of the defects in alkali-halogenous crystals by the evaporation method. K. Shvarts, E. Feldmane. Izv. AN Latv. SSR no. 9 57-59 '63.

CRYSTALS—GROWTH

Production and determination of certain properties of whisker type and acicular single crystals in solid solutions of the system Ge - Si. A. V. Samsonova Dokl. AN SSSR 153 no. 2 330-332 N '63.

CRYSTALS—MODELS

Absorptive character of changes in the aspect of ammonium chloride crystals under the effect of NH_4Cl. A. P. Liubchenko, D. G. Shirman Fiz. met. i metalloved. 16 no. 4,636 O '63

CRYSTALS, EFFECT OF RADIATION ON

Pravduk, N. F., V. A. Nikolaenko, and V. I. Karpukhin. [Changes in the parameters of diamond and silicon carbide due to irradiation] Izmenenie parametrov almaza i karbida kremniia pri obluchenii. Moskva, In-t atomnoi energii, 1960. 10 p.

CRYSTALS, ELECTRON STATE see Excitons

CTENOPHORA (COELENTERATA)

Antimicrobial action of the tissues of Ctenophora Beroë cucumis Fabr. B. V. Chentsov Antibiotiki 7 no. 10 900-902 O '62

CUBA—DESCRIPTION AND TRAVEL

Island of the young. D. Granin Nov. mir 38 no. 6:190-215 Je '62

Three months on the island of freedom. B. Korzhevskii. Iskusstvo 26 no. 7:54-57 '63.

CUBA—ECONOMIC CONDITIONS

Changes in the structure and geography of the economy, and prospects for developing the socialist economy of Cuba, on the fifth anniversary of Cuban revolution. IA. G. Mashbits. Izv. AN SSSR. Ser. geog. no. 6 3-14 N-D '63.

Free territory of America. Nikolai Gabinskii. Nov. mir 38 no. 6:267-270 Je '62.

The hopes of the enemies will not come true. N. Chigir'. Mezhdunar. zhizn' 10 no. 11:104-105 N '63.

CUBA—EDUCATION

Cuba's cultural revolution and its achievements [with summary in English, pp. 221-222]. I. R. Grigulevich. Vop. ist. 38 no. 12:86-102 D '63.

CUBA—FOREIGN ECONOMIC RELATIONS—COMMUNIST COUNTRIES

Akademiia nauk SSSR. Institut Latinskoi Ameriki. [Five years of the Cuban revolution] Piat' let kubinskoi revoliutsii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 282 p. illus.

The hopes of the enemies will not come true. N. Chigir'. Mezhdunar. zhizn' 10 no. 11:104-105 N '63.

CUBA—FOREIGN RELATIONS—UNITED STATES

American imperialism and the Cuban revolution. N. Aleksandrova. Mezhdunar. zhizn' 10 no. 11 119-121 N '63.

CULTIVATORS

Comparative evaluation of cultivators and disk harrows [with summaries in English, German, and French]. P. G. Kulebakin, I. P. Kazakova. Vest. sel'khoz. nauki 8 no. 6 87-89 Je '63.

Stability of the motion of a shallow-working cultivator. D. A. Gliberzon, A. P. Gribanovskii. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:63-68 S '63.

CULTURE

[CPSU on culture, education and science] KPSS o kul'ture, prosveshchenii i nauke, sbornik dokumentov. Moskva, Politizdat, 1963. 551 p.

CUMBERLAND DISEASE see Anthrax

CUPOLA FURNACES

Automatic regulation of the blast. V. IA. Soltyk, A. V. Klibus. Lit. proizv. no. 10 15 O '63.

Control of the bed charge height in cupola furnaces. V. V. Vagin, B. M. Traube. Lit. proizv. no. 10 17 O '63.

CUPOLA FURNACES—DESIGN AND CONSTRUCTION

Cupolas in U. S. S. R. foundries and ways to improve them. M. M. Brilakh, V. M. Gorfinkel'. Lit. proizv. no. 10 13-14 O '63.

Testing rotary ball checker chambers. V. I. Gol'tsman. Lit. proizv. no. 10 16-17 O '63.

CUPOLA FURNACES—EQUIPMENT AND SUPPLIES

Automatic conveying of charge into the cupola furnace on an annular monorail. P. G. Veitsman, V. P. Mikhailov. Mashinostroenie no. 6 41-45 N-D '63.

Automatic cupola charging with a crane. V. I. Vrublevskii, K. S. Ravich. Mekh. i avtom. proizv. 17 no. 10 4-6 O '63.

Skip hoist for conveying charge into the cupola furnace. B. M. Lebedev, V. S. Lukianenko. Mashinostroenie no. 6, 31-32 N-D '63.

CURIE, IRÈNE, 1897-1956

Irène Joliot-Curie. A. Borduliia. Ukraina no 17 21 S '62.

CURRANTS

Biology of the golden currant (Ribes aureum Purch). A. N. Kovaleva. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 4 48-56 Jl-Ag '63.

CURVES

Proof of an analog of Mordell's hypothesis for algebraic curves over functional fields. IU. I. Manin. Dokl. AN SSSR 152 no. 5 1061-1063 O '63.

CURVES ON SURFACES

Estimating the length of a convex curve on a two-dimensional surface. V. A. Toponogov. Sib. mat. zhur. 4 no. 5:1189-1193 S-O '63.

CUSHING SYNDROME

Itsenko-Cushing syndrome in a patient with hypoglycemia. Probl. endok. i gorm. 9 no. 5 106-108 S-O '63.

CUSTOMARY LAW see subdivision under Soviet Central Asia

CUSTOMHOUSE see subdivision under Baku

CUTTING MACHINES

The RS-200 silage knife. L. L. Khazanet. Mashinostroenie no. 5 111-112 S-O '63.

Strength of ball-burnished circular blades. D. A. Dragor and others. Mashinostroenie no. 5, 45-46 S-O '63.

CUTTING MACHINES—MAINTENANCE AND REPAIR

Reconditioning by build-up welding of cast iron metal-cutting machine parts. B. G. Ivanov. Svar. proizv. no. 6:2-6 Je '63.

CYANINE DYES

Cyanine dyes from 2-methyl-5, 6-dioxybenzothiazole. A. I. Kiprianov, G. M. Golubushina. Ukr. khim. zhur. 29 no. 11:1173-1179 '63.

CYBERNETICS

Cybernetic concepts and the problems of didactics. P. M. Erdniev. Sov. pedag. 27 no. 11:104-117 N '63.

Cybernetics and the development of present-day scientific knowledge. E. B. Novik. Priroda 52 no. 10, 3-11 '63.

Electrical analogy of sensitive nerve ends. G. N. Berestovskii. Radiotekh. i elektron. 8 no. 12:2099-2101 D '63.

Information and training. A. P. Mitskevich. Fiz. v shkole 23 no. 3:9-18 My-Je '63.

Three questions asked the Academician A. I. Berg. Tekh. mol. 31 no. 11:3 '63.

Young science and its future. S. I. Smuglyi, G. B. Linkovskii. Priroda 52 no. 10:118-119 '63.

CYBERNETICS—STUDY AND TEACHING

Courses in mathematical methods. G. N. Veselaia. Zav. lab. 29 no. 10:1278 '63.

CYCLIC COMPOUNDS

Determination of primary, secondary, and tertiary amino groups in polynuclear polyamines [with summary in English]. IU. A. Strepikheev, A. A. Zalikin, V. L. Chimishkian. Zhur. anal. khim. 18 no. 10 1262-1265 O '63.

Mutual transformations of cyclols and cyclodepsipeptides studied by the method of fragmentary mass spectometry. N. S. Vul'fson and others. Dokl. AN SSSR 153 no. 2:336-339 N '63.

CYCLIZATION

Study of the cyclization of rubber by the method of nuclear magnetic resonance. I. A. Tutorskii and others. Dokl. AN SSSR 152 no. 3 674-676 S '63.

CYCLODODECANONE

Kinetics and mechanism of the Beckmann rearrangement of cyclododecanone oxime in a sulfuric acid medium. M. I. Vinnik, N. G. Zaraikhani. Dokl. AN SSSR 152 no. 5 1147-1150 O '63.

CYCLOHEXADIENE

Kinetics of 1, 3-cyclohexadiene dehydrogenation on platinum films in a wide range of temperatures. V. D. Tagodovskii, V. M. Griaznov, E. V. Savel'eva. Kin. i kat. 4 no. 5, 746-752 S-O '63.

CYCLOHEXANE

Determining the cyclohexane hydrocarbon content in Mishovdag and Kyurovdag oils [in Azerbaijani with summary in Russian]. G. G. Ashumov, A. B. Nasirov. Azerb. neft. khoz. 10 no. 5:38 My '61.

Diffusion of hydrogen in cyclohexane at elevated pressure. N. E. Khazanova, L. P. Linshits. Khim. prom. no. 8 579-582 Ag '63.

Preparation of high purity cyclohexane from a narrow benzene fraction of crude benzene. I. I. Eru, L. I. Marnich, A. A. Lange. Khim. prom. no. 8 576-579 Ag '63.

CYCLONES

Preliminary results of testing some forecasting methods of the evolution and transference of surface cyclones and anticyclones suggested by the U. S. A. V. N. Meitesalov. Trudy TSIP no. 125:19-35 '63.

Use of long-period microseisms for obtaining information about oceanic storms. F. I. Monakhov. Dokl. AN SSSR 153 no. 2:321-322 N '63.

CYCLOPENTADIENE—SPECTRA

Integral intensities of infrared absorption bands of certain characteristic vibrations of cyclopentadienyl rings in ferrocene derivatives. G. G. Dvorantseva, M. I. Struchkova, IU. N. Sheinker. Dokl. AN SSSR 152 no. 3 617-620 S '63.

CYCLOPROPANE

Production of cyclopropane hydrocarbons by the reduction of dihalocarbene adducts to olefins. O. M. Nefedov, N. N. Novitskaia, A. D. Petrov. Dokl. AN SSSR 152 no. 3 628-632 S '63.

Reactivity of cyclopropane hydrocarbons as dependent on their structure. O. A. Nesmeianova, M. IU. Lukina, B. A. Kazanskii. Dokl. AN SSSR 153 no. 2:357-359 N '63.

CYCLOPROPANE—SPECTRA

Raman spectra of alkyl and alkenyl derivatives of 1, 1-dichlorocyclopropane. V. T. Aleksanian, O. A. Shcherbakova, A. F. Plate. Dokl. AN SSSR 152 no. 3, 602-605 S '63.

CYCLOTRON

Injector with indirectly heated cathode for electronic circular accelerators. V. V. Ekivin. Prib. i tekh. eksp. 8 no. 4 30-32 Jl-Ag '63.

Measuring the energy of heavy ions in the inner beam in a cyclotron. Kh. Kekk and others. Prib. i tekh. eksp. 8 no. 4:27-30 Jl-Ag '63.

Production of multiply charged neon ions in a pulse source for a cyclotron. A. S. Pasiuk and others. Prib. i tekh. eksp. 8 no. 5:23-25 S-O '63.

CYLINDER (MATHEMATICS)

Excitation of a thick cylinder with finite length. E. N. Vasil'ev. Radiotekh. i elektron. 8 no. 12:1972-1979 D '63.

CYLINDERS

Calculation of hollow cylinders subjected to the action of axisymmetric tangential loads. V. G. Gorskii. Nauch. na prochn. no. 9:82-132 '63.

On I. Sh. Rabinovich's article "Solution of the problem of contact of cylinders with parallel axes." M. G. Ponomarev. Trudy GPI 17 no. 3:88-90 '61.

Using the method of P-analytic functions for the solution of a problem for a laminated cylinder. O. O. Kapshyvyi. Prykl. mekh. 9 no. 6:670-676 '63.

CYMENE

Kinetics of the formation of isomers of isopropyltoluenes in toluene alkylation by propylene. E. P. Babin and others. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5: 787-794 '63.

CYSTS

Adrenal coma following excision of an ovarian cyst. S. E. Pollak. Akush. i gin. 39 no. 1 118-120 Ja-Fe '63.

Combination of cancer of the cervix uteri with cystic uterine pregnancy and paraovarian cyst. [illegible] Akush. i gin. 39 no. 1:127 Jl-Ag '63.

Experimental hormone therapy of ovarian follicular cysts in rats [with summary in English]. I. V. Bal, D. S. Markarian. Probl. endok. i gorm. 9 no. 4 [illegible] S-O '63.

Pneumomediastinography in the diagnosis of hemangiomas tumors and cysts of the mediastinum. [illegible] T. I. Shiaer. Vest. rent. i rad. 38 no. 5 [illegible] '63.

Surgical treatment of ovarian cysts in newborn infants. K. L. Dreier, L. A. Suslennikova. Pediatriia 41 no. 7 68-70 Jl '63.

CYTOLOGY

Cytology and prospects of the development of medical science [in Armenian with summaries in Russian]. B. E. Eldarian. Zhur. eksp. i klin. med. 3 no. [illegible] '63.

Nasonov, D. N. [Some problems of cell morphology and physiology] Nekotorye voprosy morfologii i fiziologii kletki, izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 361 p.

CYTOTOXIC DRUGS

Anti-tumor activity of allylamides and ethyleneimides of phosphoric and thiophosphoric acid [with summary in English]. V. A. Chernov, S. M. Volodarskaia, V. [illegible] 9 no. 7 5-11 '63.

CZECH LANGUAGE—GRAMMAR

Use of verbs of the perfective aspect to denote the quentative action in Czech. A. G. Shirokova, Mosk. filol. [Mosk. un.] no. 4 98-117 '63.

CZECH LANGUAGE—STYLE

Structure of narration in novels by Jaromil Jirásek. R. R. Kuznetsova. Slav. filol. [Mosk. un.] no. [illegible] '63.

CZECH LANGUAGE—SYNTAX

Problems of automatic syntactical analysis of [illegible] scientific and technical texts. N. A. [illegible] no. 9 38-43 '63.

CZECH LANGUAGE—VERB

Studies of Czech verb formation. Z. P. [illegible] Slav. filol. [Mosk. un.] no. 4 118-141 '63.

CZECH LANGUAGE—WORD FORMATION

Studies of Czech verb formation. Z. P. [illegible] Slav. filol. [Mosk. un.] no. 4:118-141 '63.

CZECHOSLOVAKIA—AGRICULTURAL MACHINE HYDRAULICS—MAINTENANCE AND REPAIR

Welding and repairing parts. A. Polkachenkov, P. [illegible] dov. Tekh. v sel'khoz. 23 no. 10:61-62 O '63.

CZECHOSLOVAKIA—ARMY

Warmth of a friendly hand [translated from the [illegible] Josef Glückselig. Sov. voin. 15 no. 12 11 [illegible] '63.

CZECHOSLOVAKIA—AUTOMOBILE RACING

In pursuit of the "Blue Bird." I. Golovanov. [illegible] 8 no. 11, 66-67 N '63.

CZECHOSLOVAKIA—COMMUNIST PARTY

Glorious progress. T. Fominov, A. Main. Polit. samoobr. 7 no. 9:126-131 Ag '63.

People's control. Pavel Hron. Part. zhizn' [illegible] N '63.

Perfecting the leadership. Z. Hoffmann. Mezhdunar. zhizn' 10 no. 11:107-108 N '63.

CZECHOSLOVAKIA—CONSTITUTION

"Constitution of socialist Czechoslovakia, collected studies" [in Slovak]. Reviewed by P. I. Matveev. Izv. vys. ucheb. zav., prav. 7 no. 3:167-169 '63.

CZECHOSLOVAKIA—DESCRIPTION AND TRAVEL

Visiting our friends. Leonid Borisov. Zvezda [illegible] 136 My '62.

CZECHOSLOVAKIA—DRILLING AND BORING MACHINERY

Set of instruments for the LV115 electric drill. A. A. Selenevich. Stroi. i dor. mash. 8 no. 11 [illegible] '63.

CZECHOSLOVAKIA—ECONOMIC POLICY

People's control. Pavel Hron. Part. zhizn' [illegible] N '63.

CZECHOSLOVAKIA—ECONOMICS, MATHEMATICAL

Taking the time factor into account in establishing [illegible] for the coefficients of economic efficiency. I. [illegible] Vop. ekon. no. 10:88-98 O '63.

CZECHOSLOVAKIA—EDUCATION

In the schools of Czechoslovakia. G. Kanakin. [illegible] no. 9:102-107 S '63.

CZECHOSLOVAKIA—GLASSWARE

Poems in glass. Karolina Chocholoušková. Zhen.mira no.12:23-26 '61.

CZECHOSLOVAKIA—GRAIN—HARVESTING

Straw gathering after the combine. Vaclav Sobisek, Jan Weissova. Tekh.v sel'khoz 23 no.10,86 O '63.

CZECHOSLOVAKIA—INDUSTRIAL HYGIENE—ABSTRACTS

Review of the collection of abstracts for 1960 "Industrial hygiene and occupational diseases in Czechoslovakia" IA M.Grushko. Gig.truda i prof.zab. 7 no.1:59-60 Ja '63.

CZECHOSLOVAKIA—JUSTICE, ADMINISTRATION OF

Basic problems of a strict observance of socialist laws and the work of the public prosecutors of the Czechoslovak Socialist Republic. Jan Bartuška. Sots.zakon. 40 no.9:66-72 S '63.

CZECHOSLOVAKIA—MOTION-PICTURE PHOTOGRAPHY—EXPOSURE

Discussion on the "System of efficient exposure estimation." G. Gardony. Tekh.kino i telev. 7 no.11 24-27 N '63.

CZECHOSLOVAKIA—PAINTING, INDUSTRIAL

Automatic control of paint application in Czechoslovakia. Mashinostroenie no.5:123-125 S-O '63.

CZECHOSLOVAKIA—PUBLIC PROSECUTORS

Basic problems of a strict observance of socialist laws and the work of the public prosecutors of the Czechoslovak Socialist Republic. Jan Bartuška. Sots.zakon. 40 no.8:66-72 S '63.

CZECHOSLOVAKIA—RELATIONS (GENERAL) WITH MOLDAVIA

Two maple trees. D.Guseva. Komm.Mold. 8 no.9:76-79 S '63.

CZECHOSLOVAKIA—SERVICE INDUSTRIES

Service industries in Czechoslovakia. Mest.prom.i khud.promys. 3 no.9 28-29 S '62.

CZECHOSLOVAKIA—SWINE HOUSES AND EQUIPMENT

Construction of swine-fattening farms in Czechoslovakia. V.Raiko Sil'.bud. 12 no.1:21-23 Ja '62

CZECHOSLOVAKIA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

History of the resistance movement in Czechoslovakia. N.M.Pashaeva. Vop.ist. 38 no.11:181 N '63.

DACRON

Manufacture of men's shirts from lavsan blend fabrics. L.P.Nikiforova, N.N.Fomichev. Shvein.prom. no.5, 26-27 S-O '63.

Plastic surgery of the axillary artery using a lavsan prosthesis. P.E.Zavgorodnyi, L.V.Lebedev. Vest. khir. 91 no.7 72-73 Jl '63.

DAGHESTAN—FOLK MEDICINE

Folk doctors of Daghestan in the 19th century. S.TS. Shtanchaev. Sov.zdrav. 22 no.7 59-63 '63.

DAGHESTAN—WOMEN—RIGHTS OF WOMEN

"Men's business." A.Osmanov. Mol.kommunist no.8:88-89 S '63.

DAIRY CATTLE

Kruglov, A.I., and A.S.Mukhachev. [Yaroslavl cattle] Iaroslavskii skot. Moskva, Sel'khozizdat, 1963 342 p.
(DNAL)

DAIRY CATTLE—FEEDING AND FEEDS

Markova, K.V., and A.D.Al'tman. [Factors which effect the composition of milk] Fakty vliiaiut na sostav moloka Moskva, Izd-vo M-va sel'.khoz. RSFSR, 1963. 155 p.
(DNAL)

DAIRY INDUSTRY

Results of tests of new devices and technological means of automation. L.P.Brusilovskii, A.M.Gusev. Trudy VNIMI [Mol.] no.22;43-68 '62.

DAIRY INDUSTRY—EQUIPMENT AND SUPPLIES

Protection of aluminum and its alloys against the action of the aggressive substances in the food industry. A.V. Izmailov, N.N.Danilova. Izv.vys.ucheb.zav., pisheh. tekh. no.5:98-100 '63.

DAIRY PRODUCTS

Use of electronic methods for the automatic control of moisture content of some milk products. A.IA.Vainberg. Trudy VNIMI [Mol.] no.22;71-75 '62.

DAIRY PRODUCTS—ANALYSIS

Using the polarimetric method for determining saccharose content of dairy products. G.Vigintetts. Izv. vys.ucheb.zav.; pishch.tekh. no.5:152-154 '63.

DAIRY SCHOOLS see subdivision under Vologda

DAIRYING see subdivision under Pukhovichskiy District

DAIRYING—COSTS

Vabamets, Oskar. [Experience in lowering the production costs of milk] Piima omahinna alandamise kogemusi. Tallinn, Eesti Riikli Kirjastus, 1963. 52 p.

DAIRYING—EQUIPMENT AND SUPPLIES

The "herringbone" arrangement for milking parlors on the Uvel'skiy State Farm. V.Sabinov. Tekh.v sel'khoz. 23 no.9 32-34 S '63.

DAIRYING—TECHNOLOGICAL INNOVATIONS see subdivision under Vologda Province

DALLAS—ECONOMIC CONDITIONS

Dallas and "Dallas sharks." Vl.Novyi. Nov.vrem 21 no.51:30-32 D '63.

DAMPING (MECHANICS)

Natural vibrations of a system with one degree of freedom in the presence of structural damping. Z.Osinski. Izv.AN SSSR, Mekh.i mashinostr., no.5 12-15 S-O '63.

Using nonlubricated friction vibration dampers for reducing vibrations of the boring bars of a diamond *boring machine*. V.F.Revva. *Trudy Ob.tekh.inst* 14 17-21 '62.

DAMS

Construction of earth dams in the regions of permanently frozen ground. P.A.Bogoslovskii. Trudy Sev.-Vost. otd.Inst.merzl.AN SSSR no.1:52-61 '58.

Leakage of small rivers with the use of flexible dams. M.Kolesov. Rech.transp. 22 no.10,45 O '63.

DANCING see subdivision under Latvia

DANIBEGOV, RAFAIL

Danibegov, Rafail. [Travels of Rafail Danibegashvili, eighteen years spent in Asian countries] Puteshestvie Rafaila Danibegashvili, vosem'nadtsat' let v stranakh Azii. Tbilisi, Sabchota Sakartvelo, 1963. 120 p. [In Georgian and Russian]

DANUBE RIVER—ICE

Characteristics of fall-winter ice conditions on the Danube River. T.N.Makarevich, Z.A.Efimova. Trudy GGI no.80:126-171 '62.

DARGWA LANGUAGE

Gasanova, S.M. [The verb in the Dargwa language] Glagol v dargинskom iazyke. Makhachkala, Izd-vo Akad. nauk, 1962. 248 p.
(MH)

DARIENKO, PETRIA

Trickling spring. V.Poltoratskii. *Znamia* 33 no.6: 218-219 Je '63.

DARNITSA—DESCRIPTION

Darnitsa, 1963... P.Zamanskii, IU.Valuev. *Ogonek* 41 no.16,10-11 N '63.

DASHKESAN—MINERAL INDUSTRIES

How authority should be gained. A.Pavlov. Komsom. zhizn' no.19,7-9 O '63.

DATEBASHVILI, PETR, 1915-

Tiflis. Dom rabotnikov iskusstv Gruzinskoi SSR. [Exhibition of works by five Georgian artists: Ekaterina Bagdavadze, Petr Datebashvili, Georgii (Gaioz) Kotrikadze, Vladimir Toroiadze, and Grigorii Chirinashvili. A catalog] Vystavka rabot piati Gruzinskikh khudozhnikov; Ekaterina Bagdavadze, Petr Datebashvili, Georgii (Gaioz) Kotrikadze, Vladimir Toroiadze, Grigorii Chirinashvili. Katalog. Tbilisi, Soiuz khudozhnikov Gruzinskoi SSR i Khudozh. fond Gruzinskoi SSR, 1961. 63 p. plates. [In Georgian and Russian]
(MH)

DAVYDOV, KONSTANTIN NIKOLAEVICH, 1877-1960

Bliakher, L.IA. Konstantin Nikolaevich Davydov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 243 p.

DAY NURSERIES

Kovrigina, M.D. ed. [Nurse-teacher for day nurseries and for the younger groups in kindergartens] Sestra-vospitatel'nitsa detskikh lastei i mladshikh grupp lasleisadov. Moskva, Medgiz, 1963. 547 p.
(DNLM)

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat,
Pt.2. Sec.L. ch.3. [Specifications for the design of nurseries and kindergartens] Detskie lasli-sady; normy proektirovaniia (*SNiP II-L.3-62*). 1962. 11 p.

DEATH—CAUSES

Microelements in the bones as indicators of the type of death. V.P.Desiatov, V.S.Zhuravlev. Sud.-med. ekspert. 6 no.4:28-30 O-D '63.

Rare case of barotrauma of the respiratory tract. A.P. Ignatenko. Sud.-med. ekspert. 6 no.4:42 O-D '63.

Review of O.Eliacin's book "Case of death due to the suction of a man's body into the motor of a jet airplane" (in French). S.A.Prilutskii. Sud.med. ekspert. 6 no.4:57-58 O-D '63.

Study of lesions inflicted with blunt objects with a rounded surface. S.M.Sidorov, B.V.Molotov. Sud.-med. ekspert. 6 no.1 51-53 O-D '63.

DECEMBRISTS

Gessen, A.I. [In the depths of Siberian mines. Decembrists at hard labor and in exile] Vo glubine sibirskikh rud dekabristy na katorge i v ssylke. Moskva, Detgiz, 1963. 335 p.

Gorbachevskii, I.I. [Notes. Letters] Zapiski. Pis'ma. Izd. podg. B.E.Syroechkovskii, L.A.Sokol'skii, I.V.Porokh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 352 p. (Literaturnye pamiatniki)

DECEMBRISTS—BIBLIOGRAPHY see Bibliography—Decembrists

DECIMAL CLASSIFICATION see Classification, Decimal

DECK MACHINERY—HYDRAULIC DRIVE

Hydraulic drives of deck machinery. L.M.Vidutskii. Sudostroenie 29 no.10 71-75 O '63.

DECONTAMINATION (FROM GASES, CHEMICALS, ETC.)

Experience in rendering harmless the exhaust gases of tower acid plants. M.D.Liberman. Sbor.mat.po obm opyt. NIUIF no.12 32-12 '50.

DECORATION AND ORNAMENT, ARCHITECTURAL

Great work awaits us! K.Rozhdestvenskii. Iskusstvo 26 no.7 28-29 '63.

Markov, L.A. [Practice in the use of ceramics in architecture] Praktika primeneniia keramiki v arkhitekture. Kiev, Izd-vo Akad. arkhitektury Ukrainskoi SSR, 1954. 30 p. plates
(NNC)

DEEP-SEA DEPOSITS see subdivision under Mediterranean Sea; Pacific Ocean

DEEP-SEA DEPOSITS—CLASSIFICATION

Classification of sediments in the modern marine basins. IU.P.Semenov. Inform.sbor.NIIGA no.32:29-32 '62.

DEFENSE (CRIMINAL PROCEDURE)

Ethical problems in a criminal defense. F.Zaitsev. *Sov.iust. no.22-15 N '63.*

Role of defending lawyers in the presentation of criminal evidence. N.IAkubovich. Sots.zakon. 10 no.11 12-15 N '63.

DEFENSES, NATIONAL see subdivision 'Defense' under Russia

DEFORMATIONS (MECHANICS)

Additional justification for the hypothesis of the constancy of absolute elongation in the disintegration of ice. V.V. Lavrov. Probl.Arkt.i Antark. no.11 67-70 '63.

Change in the electron work function during cold deformation of molybdenum and tantalum under superhigh vacuum. L.A.Andreev, IA.Paliga. Dokl.AN SSSR 152 no.5 1066-1068 O '63.

Change in the intensity of the Mössbauer effect due to plastic deformation. G.N.Belozerskii, IU.A.Nemilov. Fiz.tver.tela 5 no.11 3350-3352 N '63.

Characteristics of the plastic deformation of austenitic manganese and nickel alloys. I.N.Bogachev, V.S. Litvinov, R.I.Munts. Fiz.met.i metallored. 16 no.4 596-602 O '63.

Deformations at grain boundaries in lead. P.A.Kondrat'ev, M.A.Bol'shanina. Izv.vys.ucheb.zav., fiz. no.3:103-104 '63.

Determination of the maximum reduction in pipe drawing. V.V.Shveikin, M.B.Bisk. Izv.vys.ucheb.zav., chern. met. 6 no.10,88-91 '63.

Distribution of the rate of metal movement, deformation, and stress in an ingot cross section during the rolling of aluminum alloys. A.I.Kolpashnikov. Trudy MATI no.57 5-16 '63.

Effect of the flexure of a shaft line axis on its strength. D.E.Iskritskii. Trudy LKI no.38;51-61 '62.

Effect of the rate of deformation and of the rate of loading on the strength of samples of various sizes of laminated plastics. F.P.Beliankin, G.I.Dybenko. Zav. lab. 29 no.10,1235-1240 '63.

Internal friction of deformed molybdenum and its alloys with zirconium and rhenium. S.Z.Bokshtein and others. *Fiz.tver.tela 5 no.11;3075-3080 N '63.*

Method of mounting the main engines with little deformation of the foundation frame and the crankshaft. M.A. Daikhes. Sudostroenie 29 no.11;13-46 N '63.

A peculiarity of steel deformation in the yield area following strain hardening. A.V.Gur'ev, L.V.Kukea. Fiz.met.i metalloved. 16 no.4 589-595 O '63.

Resistance to deformation of carbon steels. L.D.Sokolov. Izv.vys.ucheb.zav.; chern.met. 6 no.10 62-66 '63.

Stability of distortions connected with energy absorption. M.A.Beniakovskii. Izv.vys.ucheb.zav., fiz. no.5: 176-177 '63.

Steel testing for static tension and torsion. L.T.Timoshuk, E.A.Kurganova. Sbor.trud.TSNIICHM no.32; 196-204 '63.

DEGRADATION (CHEMISTRY)

Thermooxidizing degradation of polypropylene in the presence of boric acid esters. F. G. Rozantsev, L. A. Kirnitskaia, B. V. Rozynov. Plast. massy no. 11 46-48 '63.

DEHYDROGENATION

Catalytic properties of lanthanum oxide in the reactions of dehydrogenation and dehydration of alcohols and dehydrogenation of tetralin [with summary in English] A. V. Tolstopiatova, A. A. Baladin, IU. Shi-tsiuan' [Yu Chi-chuan]. Zhur. fiz. khim. 37 no. 9 2031-2040 S '63.

Dehydrogenation of alkyl aromatic hydrocarbons in a fluid-bed catalyst. IU. G. Mamedaliev and others. Azerb. khim. zhur. no. 3 11-18 '62.

Kinetics of isopropyl alcohol dehydrogenation in the liquid phase. Part 2. S. L. Kiperman, N. V. Nikolaeva, I. R. Davydova. Kin. i kat. 4 no. 5 723-735 S-O '63.

Kinetics of 1, 3-cyclohexadiene dehydrogenation on platinum films in a wide range of temperatures. V. D. IAgodovskii, V. M. Gribaznov, E. A. Savel'eva. Kin. i kat. 4 no. 5 746-752 S-O '63.

Possibility of carrying out the catalytic dehydrogenation under chromatographic conditions. S. Z. Roginskii, E. I. Semenenko, M. I. IAnovskii. Dokl. AN SSSR 153 no. 2 383-385 N '63.

DEINEKA, ALEKSANDR ALEKSANDROVICH, 1899-

My various contemporaries. A. Deineka. Ogonek 11 no. 45 17 N '63.

DEKABRISTS see Decembrists

DELAY LINES

Al'bats, M. E. [Handbook for designing filters and delay lines] Spravochnik po raschetu fil'trov i linii zaderzhki Moskva, Gosenergoizdat, 1963. 200 p.

Calculation of delay systems with finite width. A. S. Zav'ialov. Izv. vys. ucheb. zav., radiotekh. 6 no. 5 577-578 S-O '63.

DELHI HOIL

(see also subdivision under Serakhs region; Turkmenistan)

Testing of the chemotherapic activity of monomycin in experimental cutaneous leishmaniasis in white mice [with summary in English]. O. I. Kellina. Med. paraz. i paraz. bol. 32 no. 5 572-576 S-O '63.

DELICATESSEN

Big delicatessen stores make more profit. M. Ryvkina. Obshchestv. pit. no. 9 34 S '63.

DELIRIUM

Peculiarities of the generalization of fixated set in a state of delirium. M. A. Sakvarelidze. Eksp. issl. po psikhol. ust. 2, 381-386 '63.

DELIVERY OF GOODS

Centralized delivery service; pluses and minuses. Obshchestv. pit. no. 6 38-44 Je '63.

Transit should be expedient. IU. Gusev. Sov. torg. 37 no. 11, 12-15 N '63.

DELIVERY OF GOODS (LAW)

Decisions of arbitration agencies. Sots. zakon. 40 no. 11 86-88 N '63.

Decisions of arbitration agencies. Sov. iust. no. 22, 32 N '63.

DEMINSKII, IPPOLIT ALEKSANDROVICH, 1864-1912

Those who were the first to die. A. K. Lishina, O. V. Lishin. Fel'd. i akush. 28 no. 8 48-52 Ag '63

DEMOGRAPHY

Valentei, D. I. [Reactionary population theories in the period of the general crisis of capitalism] Reaktsionnye teorii narodonaseleniia perioda obshchego krizisa kapitalizma Moskva, Sotsekgiz, 1963. 268 p.

DEMURRAGE

Makovskii, A. L. [Conflicts arising from the demurrage of the means of transportation] Spory o prostoiakh sredstv transporta. Moskva, Izd-vo "Iuridicheskaia literatura," 1963. 141 p.

DENGIZSKIY DISTRICT—COOPERATIVE SOCIETIES

I set my own rules, feuilleton. G. IUr'ev. Koop. Kazakh. 6 no. 7, 57 O '63.

DENGIZSKIY DISTRICT—SHEEP

I set my own rules; feuilleton. G. IUr'ev. Koop. Kazakh. 6 no. 7 57 O '63.

DENITRATION

New method for the denitration of sulfuric acid. S. G. Faingol'd, N. A. Leonova. Koks i khim. no. 11 44-46 '63.

Operation of a packed denitrating column under plant conditions. A. N. TSeitlin, O. M. Smirnova. Izv. vys. ucheb. zav. i khim. i khim. tekh. 6 no. 5 807-810 '63.

DENTAL ENAMEL see Enamel, Dental

DENTIN

Morphological changes in the dentin and enamel of teeth in parodontosis. G. B. Lebedeva and others. Teor. i prak. stom. no. 5 144-149 '61.

DENTIFRICES

New dentifrices. E. A. Shavorikhina. Masl.-zhir. prom. 29 no. 10 42-43 O '63.

DEOXYRIBONUCLEIC ACID see Nucleic acids

DEPARTMENT STORES—EMPLOYEES see subdivision under Kazakhstan

DEPRECIATION

New standards for amortization deductions for machinery in pipeline construction. B. S. Sidorov. Trudy VNIIST no. 14 105-113 '62.

DERKUL VALLEY (UKRAINE)—GEOLOGY

Structure of the Upper Cretaceous formation in the Aydar-Derkul interfluve. M. IA. Blank. Geol. zhur. 23 no. 5, 56-62 '63.

DERMATOL

Determination of the rheumatoid factor with the dermatol test. E. V. Bardin. Zdrav. Bel. 9 no. 3 22-25 Mr '63.

DERMATOLOGY

Direction and organization in scientific research in the field of occupational dermatoses in medical institutes and scientific research dermato-venerological institutes. A. A. Studnitsin, N. M. Turanov. Vest. derm. i ven. 37 no. 7, 3-7 Jl '63.

DERMATOLOGY—BIBLIOGRAPHY see Bibliography—Dermatology

DERMATOLOGY—CONGRESSES

First All-Union Symposium on Urgent Problems concerning Occupational Dermatology. A. P. Dolgov, T. S. Bruevich, A. A. Antonov. Gig. truda i prof. zab. 7 no. 1 56-58 Ja '63.

DERMATOMYCOSIS

Experience in the control of microsporia and trichophytosis. N. G. Chulochnikov. Vest. derm. i ven. 37 no. 7, 72-73 Jl '63.

Griseofulvin excretion from the body of patients with dermatomycoses [with summary in English]. N. M. Ivanov. Vest. derm. i ven. 37 no. 7, 41-44 Jl '63.

Therapeutic properties of the antibiotic 1321 in dermatomycosis. B. D. Dzhamalieva, Z. I. Alekseeva. Trudy Inst. mikrobiol. i virusol. AN Kazakh SSR 7, 128-131 '63.

Types of specific allergic skin reactions in patients with foot mycoses [with summary in English]. A. P. Bazyka. Vest. derm. i ven. 37 no. 7, 45-49 Jl '63.

DESERT ECOLOGY

Temperature regulation in desert rodents under the conditions of insolation and high temperatures [with summary in English]. P. K. Smirnov, A. I. Shcheglova. Vest. LGU 18 no. 21, 12-18 '63.

DESERTS

Some conditions for fresh ground water accumulation in sandy deserts. I. IA. Davydov. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1, 84-90 '62.

DESIGN, INDUSTRIAL—STUDY AND TEACHING see subdivision under Moscow

DESTINY see Fate and fatalism

DESTROYERS (WARSHIPS) see subdivision under United States

DESULFURATION

Conditions of tapping the smelting products and the desulfuration processes in the furnace. G. A. Volovik, I. G. Polovchenko, A. N. Chechulo. Metallurg 8 no. 10, 4-8 O '63.

Desulfuration of basic electrical steel during the oxidizing melting period. S. R. Mamedov. Za tekh. prog. 3 no. 7, 31-33 Jl '63.

Desulfuration of pig iron in the ladle. V. A. Dolmatov, A. B. Glovatskii. Metallurg 8 no. 10, 8-9 O '63.

DETERMINATIVE MINERALOGY see Mineralogy, Determinative

DETROIT—ART—EXHIBITIONS

Uniting with art. Nov. vrem. 21 no. 51, 33 D '63.

DEUTERIUM

Determination of small amounts of water and hydroxyl groups by deuterium exchange and mass spectrometry [with summary in English]. L. T. Zhuravlev and others. Zhur. fiz. khim. 37 no. 9, 2054-2061 S '63.

Reaction mechanism of nickel reduction by hypophosphite studied with the aid of deuterium as tracer. Part I: Solutions without organic additives [with summary in English]. A. A. Sultagina, K. M. Gorbunova, M. P. Glazunov. Zhur. fiz. khim. 37 no. 9, 2022-2026 S '63.

Using deuterium for studying the movement of surface and subsoil waters [with summary in English]. IU. A. Poliakov and others. Pochvovedenie no. 11, 97-103 N '63.

DEUTERIUM OXIDE

Effect of heavy water on the properties of DNA and proteins. V. V. Grechko and others. Dokl. AN SSSR 153 no. 3 740-743 S '63.

DEWEY, JOHN, 1859-1952

Reactionary nature of pragmatic pedagogics. A. A. Malikova. Sov. pedag. 27 no. 10 91-106 O '63.

DEXTRIN

Production of dextrin from rice starch. V. P. Marsova, L. D. Illushina. Trudy TSNIIKPP no. 6, 108-110 '63.

DEZHNEV, SEMEN IVANOVICH, 1605-1672

Is this new information about S. I. Dezhnev's voyage? In reference to B. P. Polevoi's article. M. I. Belov. Izv. Vses. geog. ob-va 95 no. 5 443-446 S-O '63.

DIABETES

Case of pregnancy toxemia complicated by diabetes insipidus. L. IA. Davydov, N. P. Genina. Akush. i ginek. 39 no. 4 122 Jl-Ag '63.

Effect of antidiabetic sulfanilamide preparations on protein and lipid metabolism in diabetes mellitus. L. I. Tiunchenkova. Klin. med. 41 no. 7, 63-67 Jl '63.

Experience in the study of the actual working capacity of diabetes mellitus patients in industrial plants [with summary in English]. L. S. Markhasin. Probl. endok. i gorm. 9 no. 5 88-93 S-O '63.

Fat and lipid metabolism in diabetes mellitus [with summary in English]. S. M. Leites. Probl. endok. i gorm. 9 no. 5 3-12 S-O '63.

Role of blood transfusion and blood substitutes in the compound treatment of diabetic patients [with summary in English]. V. D. Sokolovskii. Vest. khir. 8-11 Je '63.

Study of coronary blood circulation in diabetes mellitus (ECG dynamics over a 24-hour period) [with summary in English]. E. L. Kilinskii, F. M. Brait. Ter. arkh. 35 no. 5 46-50 My '63.

Treatment of diabetes mellitus patients with synthetic (K-386) [with summary in English]. T. S. Orlova. Probl. endok. i gorm. 9 no. 5, 81-85 S-O '63.

Use of electrical stimulation of the heart in Morgagni-Adams-Stokes syndrome developing against the background of severe diabetes mellitus [with summary in English]. IU. I. Bredikis, M. G. Fridzon. Probl. endok. i gorm. 9 no. 5, 85-88 S-O '63.

DIAGNOSIS

Diagnostic value of laparoscopy [with summary in English]. N. N. Kharlovskii. Klin. med. 41 no. 7, 74-78 Jl '63.

Misiuk, N. S., and others. [Elements of topical diagnosis of diseases of the nervous system] Elementy topicheskoi diagnostiki zabolevanii nervnoi sistemy. Minsk, Gosizdat BSSR, 1963. 170 p. (DNLM)

Plotnichenko, S. M. [Diagnostic laboratory studies] Laboratornye diagnosticheskie issledovaniia. Kiev, Gosmedizdat USSR, 1962. 520 p. (DNLM)

DIAGNOSIS, DIFFERENTIAL

Diagnostic errors in diseases of the biliary tract. I. L. Shamarin, K. G. Uvarova. Kaz. med. zhur. no. 5, 91-95 S-O '63.

Evaluation of some biochemical indices in differential diagnosis of hepatitis. G. P. Rudnev and others. Klin. med. 41 no. 5, 37-40 S-O '63.

Pseudotumors of the cecum [with summary in English]. IU. V. Astrozhnikov, A. M. Volkova. Klin. med. 41 no. 7, 92-96 Jl '63.

Significance of some indices of protein-lipid metabolism for the differential diagnosis of functional pulmonary insufficiency [with summary in English]. A. I. Kotov. Terap. arkh. 35 no. 5, 21-27 My '63.

DIAGNOSIS, FLUOROSCOPIC

Comparative diagnostic value of small-target fluorography and roentgenoscopy for the detection of pathological changes in the lungs [with summary in English]. F. F. Telichko. Vest. rent. i rad. 38 no. 5, 37-41 S-O '63.

Role of fluoroscopic examination in the determination of lung cancer in textile workers of the Orekhovo-Zuevo Cotton Combine. E. I. Nikiforova. Vop. klin. med. no. 1, 197-200 '61.

Significance of double examination of lung fluorograms [with summary in English]. K. A. Zhdikhanova, G. G. Maksudov. Vest. rent. i rad. 38 no. 5, 33-36 S-O '63.

DIAGNOSIS, RADIOSCOPIC

Diagnostic importance of the method of intravenous cholangiocholecystography [with summary in English]. I. S. Petrova. Vrach. delo no. 11, 52-56 N '63.

Review of A. V. Grinberg's book "X-ray diagnosis of occupational diseases of the bones and joints." G. A. Zedgenidze. Vest. rent. i rad. 38 no. 5, 72-73 S-O '63.

Review of L. S. Rozenshtraukh and N. I. Ryl'skaia's book "Clinical X-ray diagnosis of paraganglioblastoma." M. S. Fridkin. Vest. rent. i rad. 38 no. 5, 74-75 S-O '63.

X-ray diagnosis of adamantinoma of the lower jaw. F. K. Aleeva. Kaz. med. zhur. no. 5, 51-53 S-O '63.

DIALECTIC

Characteristics of the unity of opposites. V. A. Gorlianskii. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 5:96-106 '63.

DIALECTICAL MATERIALISM

Law of the relationship between mass and energy and the problems of the unity of the world. V. Markov. Izv. AN Latv. SSR no. 9:27-42 '63.

Materialistic dialectic is the logical path of the development of present-day science. P. V. Kopnin. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 4:66-73 '63.

Moroz, K. V. [Law of the unity and struggle of opposites] Zakon edinstva i bor'by protivopolozhnostei. Moskva, Zaoch. VPSh i AON pri TsK KPSS, 1963. 62 p. (Filosofii, kurs lektsii)

Objective basis for the systematization of categories. P. D. Sergiev. Vest. Mosk. un. Ser. 8. Ekon., filos. 18 no. 6:72-78 N-D '63.

One more distortion of the ideological sources of dialectical materialism. I. I. Cherkov. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 6:133-136 '63.

Principal characteristics of the law of the negation of negation. M. Zlotina. Komm. Ukr. 36 no. 11:66-66 N '62.

Problems of the physics of microcosm in the light of dialectical materialism. S. T. Melukhin. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 4:74-86 '63.

Russia (1923- U. S. S. R.) Upravlenie prepodavaniia obshchestvennykh nauk. [Program of the "Foundations of Scientific Communism" course for institutions of higher education] Programma kursa osnov nauchnogo kommunizma, dlia vysshikh uchebnykh zavedenii. Moskva, Politizdat, 1963. 20 p.

Russian revolutionary democrats on the originality of Russian materialistic philosophy. U. D. Rozenfel'd. Trudy Od. tekh. inst. 14:115-122 '62.

Spirkin, A. G. [Marxist philosophy course] Kurs marksistskoi filosofii. Moskva, Sotsekgiz, 1963. 502 p.

Studies of philosophical problems in a course on social science. N. Nikolaev. Polit. samoobr. 7 no. 8:98-104 Ag '63.

Triumph of materialism and the decline of bourgeois philosophy. P. Fedoseev. Kommunist 40 no. 16:37-47 N '63.

Vorol'ev, I., and A. Kogan. [The Marxist-Leninist philosophy; a popular manual] Marksysts'ko-leninska filosofiia; populiarnyi pidruchnyk. Kyiv, Derzh. vyd-vo polit. lit-ry, 1961. 414 p. (In Ukr)

DIALECTICAL MATERIALISM—BIBLIOGRAPHY see Bibliography—Dialectical materialism

DIALYSIS

Combined use of the artificial kidney and peritoneal dialysis [with summary in English]. G. P. Kulakov and others. Klin. med. 41 no. 7:111-116 Jl '63.

DIAMONDS

(see also subdivision under Lena Valley; Malaya Botuobuya Valley; Markha Valley; Siberian Platform; Yakutia)

Geological characteristics of diamond deposits and research problems. I. S. Rozhkov. Trudy IAFAN SSSR, Ser. geol. no. 9:5-21 '63.

Some physical properties of natural and artificial diamonds and their dependence on the atomic structure. V. B. Kravchenko, G. B. Bokii. Trudy IAFAN SSSR Ser. geol. no. 9:170-186 '63.

DIAMONDS, INDUSTRIAL

Diamond wheels for grinding hard-alloy tools. V. N. Bakul', I. P. Zakharenko. Mashinostroitel' no. 10:15-16 O '63.

DIAPHRAGM—HERNIA

Acute gastric hemorrhage due to hiatal hernia. T. Z. Garavich, M. V. Smirnova. Vrach. delo no. 11:143-144 N '63.

Paraesteral lipoid diaphragmatic hernias. V. V. Utkin. Vest. khir. 91 no. 7:77-78 Jl '63.

DIAPHRAGMS (MECHANICAL DEVICES)

Calculation of a corrugated diaphragm as a nonshallow shell. E. L. Aksel'rad. Izv. AN SSSR. Mekh. i mashinostr. no. 5:67-76 S-O '63.

DIATOMS see subdivision under Kheysa Island

DICTATORSHIP OF THE PROLETARIAT

How K. Marx and F. Engels opposed M. Bakunin's negation of the dictatorship of the proletariat. S. I. Erofeev. Izv. vys. ucheb. zav.; prav. 7 no. 3:109-118 '63.

DICTIONARIES, POLYGLOT

Dictionary of starch manufacture terms in ten languages. E. S. Anfushkin, S. Z. Ivanov. Sakh. prom. 37 no. 10:52-53 O '63.

DIDEROT, DENIS, 1713-1784

Denis Diderot. A. Aliaksandrau. Belarus' 20 no. 10:20 O '63.

Diderot, our contemporary. Kh. Momdzhian. Kul't. i zhizn' 7 no. 11:10, 35 '63.

Philosopher-materialist and educator, 250th anniversary of Denis Diderot's birth. IA. B. Lanov. Priroda 52 no. 10:92-93 '63.

DIE CASTING

Die casting of stator iron packs without previous joining. E. An. Kontorovich. Lit. proizv. no. 10 44-45 O '63.

Innovations in chill casting. A. I. Veinik. Mashinostroenie no. 5:51-56 S-O '63.

Liquid metal forging of thin-walled parts. G. S. Sakharov, N. G. Evlanov. Trudy MATI no. 57 40-57 '63.

New block for changeable die sets in die casting. G. I. Kaskin. Lit. proizv. no. 10 43-44 O '63.

Pouring metal for die casting. N. V. Belousov, M. L. Zaslavskii. Mekh. i avtom. proizv. 17 no. 10 48-51 O '63

DIE CASTING—EQUIPMENT AND SUPPLIES

Standardization of die-casting molds for shaping grinding wheels. P. A. Gavrilov. Standartizatsiia 27 no. 11 18-20 N '63.

DIELECTRIC AMPLIFIERS

Continuous spectra of currents in ferroelectric substances near the first frequency harmonic of polarization reversal and the threshold signal of a dielectric amplifier. I. A. Andronova. Izv. vys. ucheb. zav., radiofiz. 6 no. 5:1050-1052 '63.

DIELECTRIC CONSTANT

Dielectric constant of alkali metal halide crystals with F and V-centers. R. E. Bublei, N. P. Kalabukhov, IU. A. Sikorskii. Izv. vys. ucheb. zav., fiz. no. 3 80-83 '63.

Dielectric properties of acetic acid and its solutions in benzene. L. M. Imanov, F. G. Murzoev. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekh. nauk no. 4:37-43 '63.

DIELECTRIC LOSS

Dielectric loss in quartz exposed to X rays. G. I. Potakhova. Izv. vys. ucheb. zav., fiz. no. 3:71-75 '63.

DIELECTRIC LOSS—MEASUREMENT

Thermometric method for measuring dielectric losses in strong electric fields. A. M. El'gard. Prib. i tekh. eksp. 8 no. 4 94-97 Jl-Ag '63.

DIELECTRICS

Neutron diffraction examination of magnetic ordering and atomic displacements in certain iron-containing Perovskite type substances with special dielectric properties S. V. Kiselev and others. Fiz. tver. tela 5 no. 11:3312-3316 N '63.

DIELECTRICS, EFFECT OF RADIATION ON

Effect of radiation on some properties of solid solutions of the system KCl - KBr. V. V. Kutsepalenko, I. IA. Melik-Gaikazian. Izv. vys. ucheb. zav., fiz. no. 3:15-17 '63.

Measuring the temperature of specimens irradiated by a proton beam in air. I. G. Berzina, L. S. Sokolov. Izv. vys. ucheb. zav., fiz. no. 3 123-126 '63.

DIES (METALWORKING)

Automatic turret die. M. A. Samon'kin, V. P. Ivashkevich. Mashinostroenie no. 5:43-44 S-O '63.

Dies for forming along the radius. I. V. Zanis. Mashinostroitel' no. 10:25 O '63.

New design of punching dies. Mashinostroenie no. 6: 116-117 N-D '63.

Universal multiple bending die. G. V. Shulimovich. Mashinostroenie no. 6:19-20 N-D '63.

Vainitaub, D. A. [Bending dies with hinged die blocks] Gibochnye shtampy s sharnirnymi matritsami. Leningrad, 1963. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom Seriia: Goriachaia i kholodnaia obrabotka metallov *davleniem, no. 3*)

DIESEL ENGINES

Chistozvonov, S. B., and N. S. Kh
motor-vehicle diesel engines;
rubezhnye avtomobil'nye dizeli
171 p. (*Moscow, TSentral'nyi*
cheskoi informatsii po avtomat
niiu. Seriia III: Novye mashiny
stva avtomatizatsii, no. 66)

DIESEL ENGINES—FUEL SYSTEI

Experimental investigation of th
cylinder piston group of a free
sor. M. Minasbekian. Prom.
8 '63

Strain gauge pickup for measuri
forcing conduits of diesel engi
L. A. Klochev. Izm. tekh. no.

DIESEL FUELS

Filtering diesel fuels. A. Rudei
v sel'khoz. 23 no. 9:66-68 S

DIESEL FUELS—STANDARDS

New state standard for diesel fu
v sel'khoz. 23 no. 9:90-91 S

DIESEL LOCOMOTIVES

(see also subdivision under Kharkov)

Efficiency of diesel locomotives with hydraulic and electric driving. L. I. Mikhov. Vest. TSNII MPS 22 no. 7 53-56 '63.

Increasing the wear resistance of the gist mos of a D-50 diesel locomotive engine in the area of the upper grooves. V. V. Kishk, IU. A. Stulenok, A. I. Polikov. [Sbor. trud.] RIIZHT no. 31 226-247 '61.

DIESEL LOCOMOTIVES—CYLINDERS

Lengthening the service life of cylinder bushings. K. A. Grekov. Vest. TSNII MPS 22 no. 7 48-49 '63.

Surface quality of the parts of the cylinder group of diesel locomotive engines. A. A. Shishkin. [Sbor. trud.] RIIZHT no. 31 296 '61.

DIESEL LOCOMOTIVES—DESIGN AND CONSTRUCTION

Russia (1923- U. S. S. R.) Ghavnoe upravlenie lokomotivnogo khoziaistva. [Album of drawings for the 2D100 diesel locomotive] Al'bom chertezhei dizelia 2D100. Moskva, Transzheldorizdat.

Vol 1 [Block with covers, crankshafts, vertical transmission, cylinder sleeves, connecting rod and piston group, air blower) Blok s kryshkami, kolenchatye valy, vertikal'naia peredacha, gil'zy tsilindrov, shatunno-porshnevaia gruppa, vozdukhoduvka. 1963. 280 p

DIESEL LOCOMOTIVES—DYNAMICS

"Study of the horizontal dynamics of TG-100 diesel locomotives." D. E. Karminskii, V. I. Vorob'ev. [Sbor. trud.] RIIZHT no. 32:5-58 '61.

DIESEL LOCOMOTIVES—ELECTRIC EQUIPMENT

Distribution of the current between the brushes of electric collector machines. B. V. Gnezdilov. Vest. TSNII MPS 22 no. 7 22-26 '63.

DIESEL LOCOMOTIVES—FUEL SYSTEMS

"Contact state and local wear of the piston pair of a diesel locomotive engine." V. A. Cherenkevich [Sbor. trud.] RIIZHT no. 32:258 '61

Lengthening the service life of the fuel system parts of diesel locomotive engines. V. A. Kislik, S. M. Gugel'. [Sbor. trud.] RIIZHT no. 31 28-214 '61.

Some factors affecting the wear of the piston pair of a diesel locomotive engine. V. A. Cherenkevich. [Sbor. trud.] RIIZHT no. 31:215-225 '61.

Technological instruction for the reconditioning of the precision pairs of the fuel system of D-50 diesel locomotive engines by the nitriding method, supplement. [Sbor. trud.] RIIZHT no. 31 317-325 '61.

DIESEL LOCOMOTIVES—TESTING

Investigating the dynamics of the diesel locomotive drive with a cardan transmission. M. IA. Suzdal'tseva. Trudy MIIT no. 175 115-134 '63.

"Movement of the two-axle truck with elastic supports in the axle boxes of the wheel pair." T. A. Tikhov. [Sbor. trud.] RIIZHT no. 32 97-116 '61.

"Study of the stresses in the frame and body of TE-3 diesel locomotives." D. E. Karminskii and others. [Sbor. trud.] RIIZHT no. 32:59-96 '61.

Studying the wear of the elements of the piston group of diesel locomotive engines during operation. A. Malozemov, A. P. Tikhonov. [Sbor. trud.] RIIZHT no. 31 5-27 '61.

DIET

Some problems of nutritional prevention of noninfectious diseases. K. S. Petrovskii. Klin. med. 40 no. 11:20-25 N '62.

DIET IN DISEASE

Diet during kidney diseases. V. A. Oleneva. Zdorov'e 9 no. 10:21-22 O '63.

DIFFERENTIAL EQUATIONS (Continued)

Computation of the rotation of completely continuous vector fields related to the problem of periodic solutions to differential equations. M. A. Krasnosel'skii, V. V. Strygin. Dokl. AN SSSR 152 no. 3 540-543 S-O '63.

Conditions of correct solvability in the large of a certain class of equations with constant coefficients. V. P. Palamodov. Sib. mat. zhur. 4 no. 5 1137-1149 S-O '63.

Determining the region of asymptotic stability for a first-order differential equation with deviating argument. I. A. Ozhiganova. Trudy Sem. po teor. diff. urav. s otklon. arg. 1:52-62 '62.

Differential properties of trajectories of diffusion processes depending on the parameters, and Cauchy's problem for degenerate parabolic equations. IU. N. Blagoveshchenskii. Dokl. AN SSSR 152 no. 5:1027-1030 O '63.

Effect on stability of a small deviation of the argument. L. E. El'sgol'ts. Trudy Sem. po teor. diff. urav. s otklon. arg. 1:114-115 '62.

Equations with deviating argument, analogous to Euler's equations. L. E. El'sgol'ts. Trudy Sem. po teor. diff. urav. s otklon. arg. 1:120 '62.

Equivalence of various classes of initial conditions for equations with deviating argument. A. M. Zverkin. Trudy Sem. po teor. diff. urav. s otklon. arg. 1:63-68 '62.

Existence and uniqueness theorems for an equation with deviating argument in the critical case. A. M. Zverkin. Trudy Sem. po teor. diff. urav. s otklon. arg. 1:37-46 '62.

Fallibility of N. F. Strokov's article "Existence of saddle-to-saddle separatrices." N. N. Bautin, L. N. Beliustina. Izv. AN SSSR. Mekh. i mashinostr. no. 5:206-207 S-O '63.

Foundation for B. G. Galerkin's method of solving boundary value problems for equations with deviating argument. S. S. Gaisarian. Trudy Sem. po teor. diff. urav. s otklon. arg. 1:69-75 '62.

Method of the small parameter in the theory of periodic solutions of differential equations with delayed argument. IU. A. Riabov. Trudy Sem. po teor. diff. urav. s otklon. arg. 1:103-113 '62.

Method of thermal potentials for a parabolic equation with discontinuous coefficients. L. I. Kamynin. Sib. mat. zhur. 4 no. 5:1071-1105 S-O '63.

Mixed boundary value problem for the equation $y^m \frac{\partial^2 u}{\partial x^2} - \frac{\partial^2 u}{\partial y^2} = 0$. M. M. Smirnov. Sib. mat. zhur. 4 no. 5:1150-1161 S-O '63.

Multiple zeros in the solutions to a homogeneous second-order differential equation with delayed argument. S. B. Norkin. Trudy Sem. po teor. diff. urav. s otklon. arg. 1:116-119 '62.

New approximate method for solving equations describing the equilibrium of arbitrary flat shells. M. IU. Akhundzade, I. G. Tagiev. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 4:127-134 '63.

Periodical solutions to differential equations with non-differentiable right-hand parts. A. M. Samoilenko. Ukr. mat. zhur. 15 no. 3:328-332 '63.

Principal directions of the development of the theory of differential equations with deviating argument. L. E. El'sgol'ts. Trudy Sem. po teor. diff. urav. s otklon. arg. 1:3-19 '62.

Qualitative investigation of a system of differential equations in the automatic control theory. N. N. Serebriakova. Izv. AN SSSR. Mekh. i mashinostr. no. 5:29-41 S-O '63.

Stabilization of the solution to Cauchy's problem for a parabolic equation with variable coefficients. F. O. Porper. Dokl. AN SSSR 153 no. 2:273-275 N '63.

Variable and stable solutions to a second-order equation. A. F. Zubova. Sib. mat. zhur. 4 no. 5:1060-1070 S-O '63.

DIFFERENTIAL EQUATIONS, LINEAR

I. Z. Shtokalo's operational theory of solving linear differential equations. Vu Tuan. Ukr. mat. zhur. 15 no. 3:303-305 '63.

An ordinary linear differential equation of higher order [with summary in English]. M. D. Khriptun. Ukr. mat. zhur. 15 no. 3:277-289 '63.

System of linear differential equations with simple harmonic coefficients. K. G. Valeev. Izv. AN SSSR. Mekh. i mashinostr. no. 5:203-205 S-O '63.

DIFFERENTIAL EQUATIONS, NONLINEAR

Boundary value problem for a nonlinear differential equation with deviating argument of the neutral type. G. A. Kamenskii. Trudy Sem. po teor. diff. urav. s otklon. arg. 1:47-51 '62.

Deriving solutions for nonlinear systems affected by explicitly time-dependent external periodical forces. N. E. Stoliarskaia. Ukr. mat. zhur. 15 no. 3:332-339 '63.

"Method of asymptomatic integration of the systems of nonlinear differential equations describing the motion of locomotives." T. A. Tibilov. (Sbor. trud.) RIIZHT no. 32:117-138 '61.

DIFFERENTIAL EQUATIONS, PARTIAL

Equations of the mixed composite type. T. D. Dzhuraev. Izv. AN Uz SSR. Ser. fiz.-mat. nauk no. 6:3-14 '61.

Partial differential equations with functional arguments. I. M. Gul'. Trudy Sem. po teor. diff. urav. s otklon. arg. 1:94-102 '62.

DIFFERENTIAL GEOMETRY see Geometry, Differential

DIFFRACTION

Solution of the static and wave problems for screens shaped as a cone or part of a conical surface. G. A. Grinberg. Zhur. tekh. fiz. 33 no. 11:1392-1394 N '63.

Solution of the three-dimensional static and wave problems for a screen shaped as an infinite thin sectorial plate. G. A. Grinberg. Zhur. tekh. fiz. 33 no. 11:1387-1391 N '63.

Unsteady wave diffraction about a slot. E. F. Vlanas'ev. Inzh. zhur. 3 no. 4:638-644 '63.

DIFFUSION

Determination of the linear turbulent diffusion coefficient in a flow-type bubbling column under unsteady conditions. V. V. Dil'man, M. B. Aizenbud, T. A. Zhilinaeva. Khim. prom. no. 9:705-707 S '63.

Diffusion of carbon in its solid solutions on an iron group metal base. I. I. Kovenskii. Fiz. met. i metalloved. 16 no. 4:613-611 O '63.

Diffusion of hydrogen in cyclohexane at elevated pressure. N. E. Khazanova, L. P. Linshits. Khim. prom. no. 8:579-582 Ag '63.

Diffusion of lithium in cast iron and phenomena accompanying it. F. N. Tavadze, D. D. Ebanoidze. Lit. proizv. no. 10:26-28 O '63.

Diffusion of the components of an iron-chromium alloy in a broad range of composition. D. F. Kalinovich, I. I. Kovenskii, M. D. Smolin. Fiz. met. i metalloved. 16 no. 4:619-620 O '63.

Intercrystalline self-diffusion of silver in an electric field. S. M. Klotsman, A. N. Timofeev, I. Sh. Trakhtenberg. Fiz. tver. tela 5 no. 11:3278-3281 N '63.

Intercrystallite electric transfer of silver in copper. S. M. Klotsman, A. N. Timofeev, I. Sh. Trakhtenberg. Fiz. met. i metalloved. 16 no. 4:611-612 O '63.

Investigating the diffusion of phosphorus in iron by the radiometric method. P. L. Grusin, V. V. Murav'ev. Fiz. met. i metalloved. 16 no. 4:551-556 O '63.

Metal diffusion in iron-carbon melts. P. M. Shurygin, V. D. Shantarin. Izv. vys. ucheb. zav., chern. met. 6 no. 10:5-11 '63.

Some effects related to the multicomponent character of gas mixtures. N. A. Anfimov. Izv. AN SSSR. Mekh. i mashinostr. no. 5:117-123 S-O '63.

Theory of convective diffusion in the polarography of fused salts. I. D. Panchenko, G. V. Shilina. Ukr. khim. zhur. 29 no. 11:1164-1169 '63.

DIGESTIVE ORGANS—INNERVATION

Milokhin, A. A. [Interoceptors of the digestive tract of some lower vertebrates, a comparative histological study] Interotseptory pishchevaritel'nogo trakta nekotorykh nizshikh pozvonochnykh, sravnitel'no-gistologicheskoe issledovanie. Moskva, Izd-vo Akad. nauk SSSR, 1963. 97 p. diagrs. insert in pocket.

DIKES (GEOLOGY) see subdivision under Kazakhstan

DILATOMETER

Volume microdilatometer for investigating phase transitions. I. M. Otchenashenko and others. Zav. lab. 29 no. 10:1260-1261 '63.

DILIZHAN—HEALTH RESORTS, WATERING PLACES, ETC.

Surgical treatment of patients with pulmonary tuberculosis in the mountain resort of Dilizhan. E. T. Karapetian. Probl. tub. 40 no. 6:97-99 '62.

DIMENSIONAL ANALYSES

Dunaev, P. F. [Dimension diagrams] Razmernye tsepi. Izd. 2., dop. i perer. Moskva, Mashgiz, 1963. 306 p.

Kokorev, V. A., and IU. V. Kurenkov. [Structural dimensional diagrams for looms] Konstruktivnye razmernye riady tkatskikh stankov. Moskva, 1963. 106 p. (Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. Serila III: Novye mashiny, oborudovanie i sredstva avtomatizatsii no. 67)

DIMORPHISM (ANIMALS)

Dimorphism of sperms in some species of mollusks of the genus Coryphella Gray (Gastropoda, Nudibranchia). I. S. Roginskaia. Dokl. AN SSSR 152 no. 5:1256-1259 O '63.

DIODES

Measurement of the parameters of variable capacitance diodes at ultrahigh frequencies. V. V. Borzenko, G. V. Bagrov. Izv. vys. ucheb. zav.; radiotekh. 6 no. 5:575-576 S-O '63.

Pulse shapers on tunnel diodes. B. N. Kononov, IU. A. Churin. Prib. i tekh. eksp. 8 no. 4:67-72 Jl-Ag '63.

DIONYSIUS AREOPAGITA, pseud.

Nutsubidze, Sh. I. [Petrus Iberus and another [illegible] cal heritage, some problems of Areopagitika] Petre i antichnoe filosofskoe nasledie, problemy [illegible] Tbilisi, Izd-vo SSR Gruzii "Literatura [illegible] 1963. 489 p.

DIORITE see subdivision under Baydarata [illegible]

DIOXANE

Organogallium compounds of the Ar[illegible] dioxanates. I. M. Viktorova and others [illegible] 152 no. 3:609-610 S '63.

DIPHENHYDRAMINE

Therapeutic effect of novocaine block and [illegible] experimental staphylococcal inflammation [illegible] localization. V. N. Solov'ev, A. M. Chernukh, [illegible] Inst. norm. i pat. fiziol. AMN SSSR [illegible]

DIPHENYLAMINE

Significance of determining the diphenylamine [illegible] for detection of the activity of the [illegible] [with summary in English]. A. A. [illegible] arkh. 35 no. 5:78-81 My '63.

DIPHTHERIA

Changes in the medullar substance of the [illegible] in diphtherial intoxication. V. D. Abramova [illegible] Inst. norm. i pat. fiziol. AMN SSSR [illegible]

Pathological changes in adrenal glands [illegible] intoxication during drug-induced [illegible] Zarova. Trudy Inst. norm. i pat. fiziol. AMN [illegible] 1:82-90 '58.

DIPHTHERIA—MICROBIOLOGY

Bacterial carriers among diphtheria [illegible] A. N. Filippovich and others. Zdrav. [illegible] 22 Mr '63.

DIPHTHERIA—PREVENTIVE INOCULATIONS [illegible] division under Vitebsk Province

DIPLOMATIC AND CONSULAR SERVICE

About the past for present-day readers. A. I. [illegible] V. Romanov. Mezhdunar. zhizn' 10 no. 11:[illegible] N '63.

DIPLOMATS

First booklets of the "Outstanding diplomats" [illegible] V. I. Vlatkov. Prep. ist. v shkole 18 no. [illegible] '63.

DIPOLE MOMENTS

Expression in spherical coordinates of the [illegible] dipole potential situated at any point [illegible] a magnetic moment of any direction [illegible] Geomag. i aer. 3 no. 6:1089-1093 [illegible]

DIRECT CURRENT MACHINERY see Electric [illegible] Direct current

DIRECT ENERGY CONVERSION

Thermionic converter of thermal energy. [illegible] L. B. Okolykhina. Izv. vys. ucheb. zav., fiz. [illegible] 36 '63.

DISABILITY EVALUATION

(see also subdivision under Bashkiria; [illegible] Orenburg Province; Smolensk Province)

"Electrocardiography in the practice of [illegible] working capacity" by R. IA. Pinkenson. [illegible] Reviewed by M. I. Teitel'baum. Klin. med. [illegible] 154-156 N '63.

Experience in the study of the actual working [illegible] diabetes mellitus patients in industrial plants [illegible] summary in English]. L. S. Martinson. [illegible] i gorm. 9 no. 5:88-93 S-O '63.

Medical expertise of working capacity in [illegible] brain [with summary in English]. V. V. [illegible] delo no. 11:68-74 N '63.

DISARMAMENT

Disarmament is the most important problem [illegible] Zhen. mira no. 12:3 '61.

Disarmament, the most important question [illegible] Zhen. mira no. 11:3 '61.

Tribune, forum, and arena of struggle. M. [illegible] Mezhdunar. zhizn' 10 no. 11:13-23 N '63.

DISARMAMENT—ECONOMIC ASPECTS see subdivision under United States

DISEASES—CAUSES AND THEORIES OF CAUSATION

Disease as an adaptive and protective phenomenon concerning the publishing of I. V. Davydovskii's book "Problems of causality in medicine." P. I. [illegible] Arkh. pat. 25 no. 6:71-74 '63.

DISEASES, CONSTITUTIONAL

Use of some chemotherapeutic preparations in [illegible] malignant tumors and systemic diseases [illegible] ry in English]. M. A. Ziv, K. A. Pavlova, [illegible] onk. AMN SSSR. no. 3:158-160 '60.

DISINFECTION AND DISINFECTANTS

Disinfectant properties of Viburnum opulus. P. F. [illegible] tankina. Vest. derm. i ven. 37 no. 7:75 Jl '63.

DISLOCATIONS IN CRYSTALS

Detection of dislocations in silicon single crystals with low density dislocations. B. M. Turovskii, L. V. Lainer. Zav. lab. 29 no. 11 1331-1333 '63.

Effect of dislocations on cadmium diffusion in gallium arsenide. M. V. Bendik, R. L. Petrusevich, F. S. Soller-inskaia. Fiz. tver. tela 5 no. 11 3217-3249 N '63

Effect of the density of dislocations on the brightness of luminescent crystals. L. N. Aleksandrov. Izv. vys. ucheb. zav., fiz. no. 3 166-170 '63.

DISLOCATIONS IN METALS

Effect of grain size on the curves of iron deformation at various temperatures. B. N. Korchunov, B. I. Smirnov. Fiz. met. i metalloved. 16 no. 4 603-609 O '63.

Metallographic methods of revealing dislocations in iron and nickel-base alloys. B. V. Molotilov. Sbor. trud. TSNIICHM no. 32 43-50 '63

Microtwins in iron deformed at low temperatures. L. G. Orlov, L. M. Utevskii. Fiz. met. i metalloved. 16 no. 4 617-619 O '63.

Occurrence of oriented porosities in metal during hardening. IA. D. Vishniakov, IA. S. Umanskii. Fiz. met. i metalloved. 16 no. 4 632-634 O '63

Solution of some kinetic equations in the theory of dislocations. B. IA. Liubov. Dokl. AN SSSR 152 no. 5 1092-1095 O '63.

Suzuki atmospheres and their contribution to the hardening of hard alloys. V. E. Panin and others. Fiz. met. i metalloved. 16 no. 4 574-582 O '63

DISMISSAL OF EMPLOYEES see Employees, Dismissal of

DISORDERLY CONDUCT

Kuznetsova, N. F. [Criminal responsibility for disorderly conduct] Ugolovnaia otvetstvennost' za narusheniia obshchestvennogo poriadka. Moskva, Gosiurizdat, 1963. 31 p. (Bibliotechka slushatelia narodnogo universiteta pravovykh znanii)

Prevention of rowdyism. M. Kuts. Rad. pravo no. 6: 84-86 N-D '63

DISORDERS OF PERSONALITY see Personality, Disorders of

DISPERSION

Determining the spectrum of particles of a disperse system from its transmittance. Part 2. K. S. Shifrin, A. IA. Perel'man. Opt. i spektr. 15 no. 5 667-675 N '63.

DISSERTATIONS, ACADEMIC
(see also subdivision under Turkmenistan)

Lists of defended dissertations. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:104, 109, 111 '63.

Replacements for the ranks of scientists. Mor. flot 23 no. 11:20 N '63.

DISTILLATION

Special features of the stripping of hydrogen chloride from thickened hydrolyzates by live steam [with summary in English on p. 164]. I. M. Grinshtein, O. V. Tyshetskaia. Sbor. trud. NIIGS 11:23-30 '63.

Stripping of hydrogen chloride from hydrochloric hydrolyzates at atmospheric pressure [with summary in English on p. 165]. I. M. Grinshtein, O. V. Tyshetskaia. Sbor. trud. NIIGS 11:31-40 '63.

DISTILLATION, FRACTIONAL

Calculating the distillation process of a multicomponent mixture by a conditional equilibrium curve. V. S. Kortikov, D. D. Zykov. Koks i khim. no. 11:49-53 '63.

Controlling the operation of the ZhA-300 rectification column. N. M. TSin. Zav. lab. 29 no. 10:1271 '63.

Distillation and rectification of synthetic fatty acids. P. N. Miloserdov, N. I. Gel'perin, P. V. Naumenko. Masl.-zhir. prom. 29 no. 11:16-22 N '63.

Separation of binary multicomponent mixtures by multistage molecular distillation. N. N. Umnik, V. A. Maliusov. Khim. prom. no. 9:694-699 S '63.

DISTILLATION APPARATUS

From the experience of the work with beer rectifying apparatus. V. I. IUrchak. Spirt. prom. 29 no. 7:38-39 '63.

Modeling of the mass transfer process in a two-phase flow. L. M. Anoshin. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:105-109 '63.

More accurate calculation of the number of the theoretical plates in exhaust columns in case of the feeding of an underheated charge. V. A. Domaretskii, V. A. Marinchenko. Izv. vys. ucheb. zav., pishch. tekh. no. 5:120-123 '63.

DISTILLATION APPARATUS—TESTING

Analyzing the performance of rectifying apparatus with direct action. P. S. TSygankov. Spirt. prom. 29 no. 7:5-11 '63.

DISTILLING INDUSTRIES see subdivision under *Dokshukino*

DISTILLING INDUSTRIES—BY-PRODUCTS
(see also subdivision under Ryazan Province)

Wastes of distilleries as an important source for increasing feed production. M. F. Gainetdinov. Spirt. prom. 29 no. 7 35-37 '63.

DISTRIBUTION (PROBABILITY THEORY)

Mass servicing as a mathematical problem. S. Brodi, V. Koroliuk. Nauka i zhyttia 13 no. 10 6-7 N '63.

Multidimensional analyzers. S. S. Kuniachkin. Mnogofaznyi sist. v iad. fiz. no. 5 3-28 '63.

DITILIN

"Double block" following the use of lystenone. N. A. Haug, A. A. Talimaa. Vest. khir. 91 no. 7 66-67 Jl '63.

DIVERS

Divers take part in building operations. Mykola Symonovych. Ukraina no. 11:15-16 Je '62.

DIVING, SUBMARINE

At the bottom of the Red Sea. A. A. Chernov. Priroda 52 no. 10:114-115 '63.

Safe from the monitor "Udarnyi." Igor' Zaseda. Ogonek 41 no. 50:9-10 D '63.

DIVISION OF LABOR
(see also subdivision under Europe, Eastern)

Proletarian internationalism and socialist economy. G. Karkhin. Mezhdunar. zhizn' 10 no. 11 3-13 N '63.

DIVNOGORSK (KRASNOYARSK TERRITORY)—COMMUNIST YOUTH LEAGUE

Sveta Runova is an "exceptional woman", one day's work of the secretary of a city committee. N. Loginova. Komsom. zhizn'. no. 22:17-21 N '63.

DNEPRODZERZHINSK—AUXILIARY POLICE

How I arrested a criminal. V. Iozhyk. Rad. pravo no. 6:104 N-D '63.

DNEPRODZERZHINSK—IRON AND STEEL WORKERS—EDUCATION AND TRAINING

Search for the new. M. Kornetskii, I. Savchenko. Agitator no. 21:32-34 N '63.

DNEPRODZERZHINSK—MEDICINE, INDUSTRIAL

Health propaganda and reduction of morbidity at the Dzerzhinskii Metallurgical Plant. M. D. Khelemendik. Sov. zdrav. 22 no. 7 31 '63.

DNEPROPETROVSK—BRIDGES, CONCRETE—TESTING

Results of testing a reinforced concrete bridge. N. G. Bondar' and others. Bet. i zhel.-bet. 9 no. 10:469-470 O '63.

DNEPROPETROVSK—LABOR AND LABORING CLASSES—*EDUCATION*

Educate, while teaching. I. Boginskii. Part. zhizn' no. 22:52-54 N '63.

DNEPROPETROVSK PROVINCE—JUVENILE DELINQUENCY

Let us extend public participation in the prevention of juvenile delinquency. T. Zhurpinets'kyi. Rad. pravo no. 6:47-52 N-D '63.

DNIEPER-DONETS LOWLAND—PALEONTOLOGY, *STRATIGRAPHIC*

First paleontological dating of the Dronovskaya series in the Donets Basin and its analogs in the Dnieper-Donets Lowland. L. IA. Saldakovskyi, V. A. Sokolov. Geol. zhur. 23 no. 5 91-96 '63.

DNIEPER VALLEY—INDUSTRIES

From sea to sea. B. Volynets'. Ukraina no. 16 16 Ag '62.

DNIEPER VALLEY—NAMES, GEOGRAPHICAL

"Linguistic analysis of hydronyms for the upper Dnieper Valley" by V. N. Toporov, O. N. Trubachev. Reviewed V. A. Nikonov, E. M. Pospelov. Izv. AN SSSR, Ser. geog. no. 6:123-128 N-D '63.

DNIEPER VALLEY—ROCKS, IGNEOUS

Deep-seated structure of Korosten' pluton according to seismic data. V. B. Sollogub and others. Dokl. AN SSSR 152 no. 5:1215-1217 O '63.

DNIEPER VALLEY—SLAVIC ANTIQUITIES

Work at the site of Chernyakhov monuments in the Dnieper Valley. E. A. Symonovich. Krat. soob. Inst. *arkheol. no. 94:80-87* '63.

DNIESTER VALLEY—ANTIQUITIES

Studying the Getae objects in the steppe part of the Dniester Valley. A. I. Melitukova. Krat. soob. Inst. arkheol. no. 94:64-72 '63.

DNIESTER VALLEY—GETAE

Studying the Getae objects in the steppe part of the Dniester Valley. A. I. Melitukova. Krat. soob. Inst. arkheol. no. 94:64-72 '63.

DOBROLIUBOV, NIKOLAI ALEKSANDROVICH, 1836-1861

Leningrad. Universitet. [N. A. Dobroliubov, critic and historian of Russian literature.] N. A. Dobroliubov-kritik i istorik russkoi literatury. [Leningrad] 1963. 171 p.

DOCUMENTARY MOTION PICTURES see Motion pictures, Documentary

DODECYL SULFATES

Interaction between sodium dodecyl sulfate and aspartate-glutamate-transaminase. IU. M. Torchinskii, V. O. Shpitter. Dokl. AN SSSR 152 no. 3:751-753 S '63.

DOGS AS CARRIERS OF DISEASE

Genis, D. E. [Dogs and infectious diseases of man] Sobaki i zarazhnye bolezni cheloveka. Moskva, Medgiz, 1963. 28 p. (Nauchno-populiarnaia meditsinskaia literatura)
(DNLM)

DOKHTUROV, DMITRII SERGEEVICH, 1756-1816

Participation of the corps of General D. S. Dokhturov in the foreign campaigns. P. Dokhturov. Voen.-ist. zhur. 5 no. 10:111-116 O '63.

DOKSHUKINO—DISTILLING INDUSTRIES

Complete utilization of raw materials in the Dokshukino Acetone Plant. N. P. Shcheblykin, B. M. Nakhmanovich. Spirt. prom. 29 no. 7:27-31 '63.

DOLLAR

What's happening to the dollar? F. Bystrov. Nov. vrem. 21 no. 51:10-13 D '63.

DOLOMITE
(see also subdivision under Anabar Shield, Armenia, Karabau, Kazakhstan)

The Yama Dolomite Combine is 50 years old. L. N. Rezhnikov. Ogneupory 28 no. 11:485-486 '63.

DOMESTIC RELATIONS

Sheshenin, E. D. [Role of the Soviet public and courts in strengthening family bonds] Rol' obshchestvennosti i sudebnykh organov v ukreplenii semeinykh otnoshenii. Moskva, Gosiurizdat, 1963. 28 p. (Biblioteka slushatelia narodnogo universiteta pravovykh znanii)

DOMINICAN REPUBLIC—FOREIGN RELATIONS—*UNITED STATES*

The smashed "show case." N. Egorova. Mezhdunar. zhizn' 10 no. 11:115 N '63.

DOMINICAN REPUBLIC—POLITICS AND GOVERNMENT

The smashed "show case." N. Egorova. Mezhdunar. zhizn' 10 no. 11 115 N '63.

DON VALLEY—HISTORY

"The Don Valley in the 18th century" by A. P. Pronshtein. Reviewed by N. V. Ustiugov. Ist. SSSR 7 no. 6:171-176 N-D '63.

DONETS BASIN—BLAST FURNACES—DESIGN AND CONSTRUCTION

Assembly of equipment in the construction of a blast furnace. A. Kogan. Prom. stroi. i fundam. 5 no. 5:8-11 S-O '63.

DONETS BASIN—COAL MINES AND MINING—ACCIDENTS

Analysis of injuries of the maxillofacial area in miners and some late results of compound treatment. F. L. Gardashnikov. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15, 161-164 '59.

Fractures of the shinbone malleoli in miners. M. V. Khovenko, F. A. Levitskii. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 189-194 '59.

DONETS BASIN—COAL MINES AND MINING—TECHNOLOGICAL INNOVATIONS

Vlasenko, P. I. [Lofty initiative] Krylatyi pochin. [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 49 p.

DONETS BASIN—COAL PREPARATION

Livshits, G. L. [The Nikitovka Central Coal Preparation Factory's effort for the title of a communist labor enterprise] *Nikitovskaia TsOF v bor'be za zvanie predpriiatiia* kommunisticheskogo truda. Moskva, Gosgortekhizdat, *1932. 70 p.*

DONETS BASIN—GEOLOGY, STRATIGRAPHIC

Aizenberg, D. E., and others. [Stratigraphy of Carboniferous sediments in the Donets Basin] Stratigrafiia kamennougol'nykh otlozhenii Donetskogo basseina. Kiev, 1963. 132 p. (Akademiia nauk URSR. Institut geologichnykh nauk. Seriia stratigrafii i paleontologii. Trudy, no 37)

Great Donets Basin. V. Popov. Nauka i zhyttia 13 no. 10 16-21 N '63.

DONETS BASIN—GEOLOGY, STRUCTURAL

Tectonics and volcanism of the western Donets Basin. O. Z. Shyrokov, D. F. Alymov. Geol. zhur. 23 no. 5: 3-14 '63.

DONETS BASIN—HISTORY

Studying the literary geography of the Donets Basin. P. T. Havrylov. Ukr. mova i lit. v shkoli 13 no 5:18-25 Jl '63.

DONETS BASIN—LABOR AND LABORING CLASSES

Potolov, S. I. [Donets Basin workers in the 19th century] Rabochie Donbassa v XIX veke. Moskva, Izd-vo Akad. nauk SSSR, 1963. 253 p.

DONETS BASIN—MINERS—DISEASES AND HYGIENE

Injuries of the menisci in miners, according to materials of the Stalino Province Traumatological Hospital. A. D. Trifonova. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 199-202 '59.

DONETS BASIN—PALEONTOLOGY, STRATIGRAPHIC

First paleontological dating of the Dronovskaya series in the Donets Basin and its analogs in the Dnieper-Donets Lowland. L. IA. Saidakovskii, V. A. Sokolov. Geol. zhur. 23 no 5:91-96 '63.

DONETS ECONOMIC REGION—CHEMICAL INDUSTRIES

[Bringing large-scale chemistry to the Donets Basin] Donbassu - bol'shuiu khimiiu. [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 92 p.

DONETS ECONOMIC REGION—MACHINERY INDUSTRY—MANAGEMENT

Made by the branch planning and construction department. M. L. Shapiro. Mashinostroitel' no. 10:43 O '63.

DONETS PROVINCE—CHEMICAL INDUSTRIES

Chemists in the struggle for technological progress. I. Goloperov. Part. zhizn' no. 22:18-22 N '63.

DONETSK—CITY PLANNING

Mironov, V. P. [A city striving for the future] Gorod, ustremlennyi v budushchee. [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 42 p.

DONETSK—COMMUNIST PARTY OF THE SOVIET UNION

A substitute of the bureau of the party district committee. V. Skachko. Part. zhizn' no. 21:50-51 N '63.

DONETSK—EXCAVATING MACHINERY

Head for boring holes of base pieces in situ. M. I. Kardonskii. Stroi. i dor. mash. 8 no. 11:33-34 N '63.

DONETSK—FIRST AID IN ILLNESS AND INJURY

Round-the-clock surgical service at the traumatological center of the Donetsk Municipal First Aid Station. V. A. Smirnova. Med. sestra 22 no. 10:55-56 O '63.

DONETSK—HISTORY

Gonimov, I. A. [The old city of Yuzovka] Staraia Iuzovka. [Donetsk] Donetskoe knizhnoe izd-vo, 1962. 250 p.

DONETSK PROVINCE—LABOR PRODUCTIVITY

Kommunisticheskaia partiia Ukrainy. Stalinskii oblastnoi komitet. Otdel partiinykh organov. [The organizing role of a party committee] Organizuiushchaia rol' partiinogo komiteta. [Stalino], Knizhnoe izd-vo Stalino-Donbass, 1961. 39 p.

DONETSK PROVINCE—MACHINERY INDUSTRY—PRODUCTION STANDARDS

A bureau of technical standards. I. Stepaikin. Agitator no. 21:53-54 N '63.

DONETSK PROVINCE—MINES AND MINERAL RESOURCES

Omel'ianovich, V. M. [Natural resources of Donetsk Province] Prirodnye resursy Donetskoi oblasti. [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 81 p.

DONETSK PROVINCE—RESTAURANTS, LUNCHROOMS, ETC.

Figures of our growth. D. Gridasov. Obshchestv. pit. no. 9:14-16 S '63.

DONETSK PROVINCE—TRADE UNIONS

Chemists in the struggle for technological progress. I. Goloperov. Part. zhizn' no. 22:18-22 N '63.

DOSTOEVSKII, FEDOR MIKHAILOVICH, 1821-1881

Ideas and images of Dostoevskii. D. Bregova. Vop. lit. 7 no. 10:202-206 O '63.

DOUBLE REFRACTION see Refraction, Double

DOUBLE STARS see Stars, Double

DOUGLAS FIR see subdivision under Estonia

DRAINAGE

(see also subdivision under Meshchera; Netherlands)

[Draining and utilizing peat-bog soils] Osushenie i ispol'zovanie torfiano-bolotnykh pochv. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 316 p.

Gauze filters on a spiral frame for large diameter boreholes. M. N. Fukson, F. B. Shushan. Osn., fund. i mekh. grun. 5 no. 6:28-29 '63.

[Geodesic works for the construction of irrigation and drainage systems] Geodezicheskie raboty dlia stroitel'stva orositel'nykh i osushitel'nykh sistem. [By] K. S. Soberaiskii i dr. Moskva, Gosgeoltekhizdat, 1963. 203 p.

Leningrad. Gidrologicheskii institut. [Hydrological calculation in the drainage of bogs and swampy soils] Gidrologicheskie raschety pri osushenii bolot i zabolochennykh zemel'. Pod red. K. E. Ivanova. Leningrad, Gidrometeoizdat, 1963. 147 p.

———— [Supplement No. 9. Maps] Prilozhenie No. 9. Karty.

Mechanization of the construction of drainage on irrigated soils abroad. V. N. Gorinskii. Stroi. i dor. mash. 8 no. 11:19-23 N '63.

DRAINAGE—EQUIPMENT AND SUPPLIES

New machinery for the drainage of bogs. E. Kop'ev. Tekh. v sel'khoz. 23 no. 9:42-16 S '63.

DRAINAGE, HOUSE

Designing self-draining joints in exterior walls of large-panel apartment houses. G. F. Kuznetsov. Bet. i zhel.-bet. 9 no. 10:436-441 O '63.

Voskanian, V. A. [Industrial installation of drainage with the use of pipe filters] Industrial'noe ustroistvo drenazha s pomoshch'iu trubofil'trov. Leningrad, Gosstroiizdat, 1963. 140 p.

DRAMA—HISTORY AND CRITICISM

Remarks on the grotesque. IU. Mann. Vop. est. no. 6:139-173 '62.

DRAWING INSTRUMENTS

A craftsman pondered and here is the result. V. Tikhomirov. Izobr. i prats. no. 11:17 '63.

DRAZHOMANIV, MYKHAILO PETROVYCH, 1841-1895

Bulgarian "Diary" of M. P. Drahomaniv. I. S. Romanchenko. Mizhslov. lit. vzaiem. no. 3 333-335 '63.

DREDGING

Justifying methods of conducting channel dredging and maintenance operations. A. Serebriakov. Rech. transp. 22 no. 11:41-42 N '63.

DREDGING MACHINERY

Clamshell dredgers on small rivers. D. Popelko. Rech. transp. 22 no. 10:51 O '63.

DREDGING MACHINERY—TESTING

Ultrasonic meter of sand concentration in pipes of dredges. V. A. Nosov, G. D. Mamuta, O. V. Tarasenko. Avtom. i prib. no. 4:62-64 O-D '63.

DRESSMAKING

Beliaeva, I. N., and N. N. Vladimirov. [Cutting and sewing of children's clothing] Kroika i shit'e detskogo plat'ia. Moskva, Gizlegprom, 1963. 186 p.

DRESSMAKING—PATTERN BOOKS

Driuchkova, M. A., and others. [One hundred styles of women's dresses] 100 fasonov zhenskogo plat'ia. 4., pererab. izd. Minsk, Gos. izd-vo BSSR, 1963. 378 p.

DRILLING AND BORING

Dynamics of the drilling of deep holes in D1992 steel. V. N. Astanin. Stan. i instr. 34 no. 11:26-27 N '63.

Investigating the effect of the rigidity of a boring bar with bracket fastening on the smoothness of a finely bored surface. G. G. Linkova. Trudy Od. tekh. inst. 14:13-16 '62.

New techniques for boring hammer rams. L. G. Ovsianko, P. A. Petrovskii. Mashinostroenie no. 5:32-33 S-O '63.

DRILLING AND BORING MACHINERY

(see also subdivision under Czechoslovakia)

The AS42 automatic drilling machine. M. IA. Zlatopol'skii. Mashinostroenie no. 6:66-69 N-D '63.

DRILLING AND BORING MACHINERY—ATTACHMENTS

Multispindle drilling attachment. S. M. Zonnenberg. Mashinostroitel' no. 10:23 O '63.

Pneumatic device for turning fittings during machining. I. N. Frolikova, I. K. Linnikov. Mashinostroenie no. 6:12-13 N-D '63.

Semiautomatic dividing attachment. I. N. Frolikova, I. K. Linnikov. Stan. i instr. 34 no. 11:37 N '63.

DRILLING AND BORING MACHINERY—VIBRATION

Using nonlubricated friction vibration dampers for reducing vibrations of the boring bars of a diamond boring machine. V. F. Revva. Trudy Od. tekh. inst. 14:17-21 '62.

DRILLING FLUIDS

Using clay muds in rotary drilling for water. G. E. Airapetian. Transp. stroi. 13 no. 9:38-39 S '63.

DRINKING WATER—ANALYSIS see subdivision under Yakutia

DROPPING MERCURY ELECTRODES see Electrodes, Dropping mercury

DROWNING

Diagnostic importance of transudates in the serous cavities in death from drowning, an experimental study. S. S. Bystrov. Sud.-med. ekspert. 6 no. 1:[illegible] '63.

DRUGS—TOXICOLOGY

Case of poisoning by delagyl. L. A. Semenenko, [illegible] Pokus. Sud.-med. ekspert. 6 no. 1:45 [illegible] '63.

DRUGSTORES see subdivision under Bashkiria

DRY ICE

Economics and prospects for the production of liquid and solid carbonic acid by the hydrolysis of dolomite [with summary in English]. A. I. Kozlov, V. [illegible] Sbor. trud. NIIGS 11:146-156 '63.

DRYING—PHYSIOLOGICAL EFFECT

Effect of desiccation and ultrasound on the viability of trichinella [with summary in English]. I. IA. [illegible] Med. paraz. i paraz. bol. 32 no. 5:601-605 S-O '63.

DRYING APPARATUS

Increasing the operative efficiency of the pneumatic steam-and-water dryers in peat briquet plants. G. B. Frolenkov. Torf. prom. 40 no. 7:27 '63.

New method of drying coils of wire. V. I. Dement'ev. Metallurg 8 no. 10:32 O '63.

DRYING OILS

Successful substitute. N. IUt, S. Laskavaia. [illegible] i khud. promys. 3 no. 9:32-33 S '63.

DUBLIN—STRIKES AND LOCKOUTS—TRANSPORT WORKERS

Captain of the "labor war"; a book review. I. [illegible] Nov. vrem. 21 no. 46:29-31 N '63.

DUBOVKA (VOLGOGRAD PROVINCE)—RETAIL TRADE

Second birth. IU. Khachaturov. Sov. torgovlia no. 10:31-33 O '63.

DUCKS

Savel'ev, I. K., ed. [Intensive duck raising] Intensivnoe utkovodstvo. Moskva, Sel'khozizdat, 1963. 110 p. (DNAL)

DUCTUS ARTERIOSUS—SURGERY

Petrovskii, B. V., and A. A. Koshlakova. [Surgical treatment of patent ductus arteriosus] Khirurgicheskoe lechenie otkrytogo arterial'nogo protoka. Moskva, Medgiz, 1963. 249 p. (DNLM)

DUMAS, ALEXANDRE, 1802-1870

The "father of the musketeers" in Russia. A. [illegible] V mire knig 3 no. 9:44-45 S '63.

DUMPING SYNDROME

Dumping syndrome or the autonomic disease. [illegible] Veliky. Klin. med. 41 no. 7:76-80 Jl '63.

DUNITE see subdivision under Shorzha (Armenia)

DUODENUM—CANCER

Pancreatoduodenectomy in cancer of Vater's papilla and the head of the pancreas. E. IA. Kanigin, [illegible] Bel. 9 no. 3:65-67 Mr '63.

DUODENUM—DISEASES

Electrogastrogram in gastric and duodenal ulcer [with summary in English]. G. L. Levin, A. [illegible] Klin. med. 41 no. 7:51-56 Jl '63.

Prevention of some diseases of the stomach and duodenum. S. A. Savvaitov, I. I. Veretianov. Klin. med. 41 no. 11:14-20 '62.

DUODENUM—RADIOGRAPHY

Methodology of x-ray examination of the hepatopancreatoduodenal zone using a blocking duodenal [illegible] [with summary in English]. B. G. Shusterov. Vestn. rentgen. i rad. 38 no. 5:50-54 S-O '63.

DUODENUM—RUPTURE

Subcutaneous rupture of the duodenum in a child. V. V. Zubovich. Zdrav. Bel. 9 no. 3:65 Mr '63.

DUODENUM—SURGERY

Pancreatoduodenal resection in cancer of the head of the pancreas. V. M. Velichenko. Zdrav. Bel. [illegible] Mr '63.

DUODENUM—ULCERS

"X-ray diagnosis of covered perforated ulcers of the stomach and the duodenum" by M. V. Rogozina. Reviewed by N. S. Timofeev. Vest. khir. 91 no. 7:[illegible] 139 Jl '63.

DURABLE GOODS, CONSUMER

[World capitalist market of electric household appliances] Mirovoi kapitalisticheskii rynok bytovogo elektrooborudovaniia. Moskva, 1963. 64 p. (Biulleten' inostrannoi kommercheskoi informatsii; prilozhenie, no. 13)

DERALUMIN—WELDING
Improving the resistance spot welding of D16 alloy sheets by cladding with an AMg alloy. IU. V. Dmitriev. Trudy MATI no. 57:91-94 '63.

DUST
Dust in the air in the workshops of the Irkutsk Mica Factory. L. IA. Sushchinskaia. Vop. bor'. s sil. v Sib. no. 1 119-121 '61.

DUST—PHYSIOLOGICAL EFFECT
Effect of polychlorvinyl resin dust in an experiment and in industry [with summary in English]. A. P. Golovatiuk. Vrach. delo no. 11:107-111 N '63.

DUST—PREVENTION
(see also subdivision under Kuznetsk Basin)
Effectiveness of quenching dust in drilling with the BA-100 units. L. I. Semenov. Vop. bor'. s sil. v Sib. no. 1 71-73 '61.

DUST—REMOVAL
Binding dust by spraying weak solutions of calcium chloride aerosols. V. IA. Al'perovich. Vop. bor'. s sil. v Sib. no. 1:83-87 '61.
Determination of dust in furnace gases. M. A. Raivich. Shor. mat. po obm. opyt. NIUIF no. 12:8-9 '59.

DUST COLLECTORS
Practical design of dust collectors for dry collecting of dust in mine boring. I. P. Petrov. Vop. bor'. s sil. v Sib. no. 1:113-118 '61.

DUST STORMS see subdivision under Kazakhstan; Siberia, Western; Stavropol; Stavropol Territory

DWELLINGS—HEATING AND VENTILATION
Hygienic qualities of the microclimate of dwellings. V. Korenkov. Arkhit. SSSR no. 1:51-53 '62.

DWELLINGS—HYGIENIC ASPECTS see subdivision under Saratov

DYCK, SIR ANTHONIE VAN, 1599-1641
Varshavskaia, M. IA. [Van Dyck; paintings in the Hermitage] Van Deik, kartiny v Ermitazhe. Leningrad, Izd-vo Gos. Ermitazha, 1963. 150 p. illus. [Text in Russian with summaries in English]

DYES AND DYEING
Interaction of dyes with high molecular weight substances. M. V. Savost'ianova. Usp. khim. 32 no. 10,1233-1269 O '63.

DYES AND DYEING—PLASTICS
Seminar on the problems of dyeing of plastics. Plast. massy no. 11:75 '63.

DYNAMICS
Some remarks on the spectral properties of ergodic dynamic systems. IA. G. Sinai. Usp. mat. nauk. 18 no. 5: 41-51 S-O '63.

DYNAMOMETER
Characteristics of beam dynamometers. N. G. Tokar', I. I. Mokeev. Trudy GPI 17 no. 3:107-111 '61.
Dynamic calibration of flexible inertia dynamometers. I. I. Mokeev. Trudy GPI 17 no. 3:120-123 '61.
Temporary stability and temperature errors of standard dynamometers. L. M. Maksimov. Izm. tekh. no. 11. 12-14 N '63.
Three-unit milling dynamometer with wire pickups. S. S. Kuddonov. Izm. tekh. no. 10:21 D '63.

DYNAMOMETRY
Dynamic errors in the measurement of stress applied to a specimen during fatigue testing on a 300/600-ton hydraulic pulsator. V. S. Zotcev, L. T. Timoshuk. Shor. trud. TSNIICHM no. 32:102-101 '63.

DYSENTERY
Action of polymyxin M in experimental dysenteric intoxication [with summary in English]. A. I. Braude, I. N. Krasnova. Antibiotiki 7 no. 10:916-919 O '62.
Mechanism of phasic reactions of the heart in dogs during dysentery intoxication at different age periods. I. A. Arshavskii, V. D. Rozanova. Trudy inst. norm. i pat. fiziol. AMN SSSR 1:69-81 '58.
Relation between the reactivity of animals to the dysentery antigen and the functional state of the nervous system. A. M. Monsenkov. Trudy inst. norm. i pat. fiziol. AMN SSSR 1:27-32 '58.

DZERZHINSK (GORKIY PROVINCE)—CHEMICAL WORKERS—EDUCATION AND TRAINING
An unusual institute. S. Shchetinin. Agitator no. 22:53 N '63.

DZHALAL, MIR
Repetition in Mir Dzhalal's language and its syntactic and stylistic significance [in Azerbaijani with summary in Russian]. F. Khalilova. Izv. AN Azerb. SSR. Ser. obshchestv. nauk no. 6:81-93 '61.

DZHAMBUL PROVINCE—AGRICULTURAL WORKERS
Learn to live and work in the communist way. N. Khrushchev. Nar. obr. no. 9:1 S '63.

DZHAMBUL PROVINCE—COOPERATIVE SOCIETIES
In winter as in summer. Appeal to all Dzhambul Province trade workers serving stock farm seasonal pastures. Koop. Kazakh. 8 no. 7:37 O '63.

DZHAMBUL PROVINCE—FOREST MANAGEMENT
Economic effectiveness of various methods of cutting black saksaul. IU. A. Glazov. Vest. sel'khoz. nauki (Kazakh.) 6 no. 9:86-88 S '63.

DZHAMBUL PROVINCE—PEDDLERS AND PEDDLING
Our concern is great. N. Barkov. Koop. Kazakh. 6 no. 7:38-39 O '63.
There, where flocks are roaming. L. Orekhov. Koop. Kazakh. 6 no. 7:40-42 O '63.

DZHAMBUL PROVINCE—SAKSAUL
Economic effectiveness of various methods of cutting black saksaul. IU. A. Glazov. Vest. sel'khoz. nauki (Kazakh.) 6 no. 9:86-88 S '63.

DZHAMBUL PROVINCE—SHEEP
Captives of old conceptions. G. Lugovoi Part. zhizn' Kazakh. 33 no. 11 20-24 N '63.

DZHEZKAZGAN REGION—COPPER MINES AND MINING
Why Dzherkt - ashing agaregates are utilized slowly. A. Shamoveen the the gal khoz. Kazakh. 21 no. 9 26-28 S '63.

DZHEZKAZGAN REGION—CORN (MAIZE)—VARIETIES
Economic and biological characteristics of corn varieties in central Kazakhstan. T. T. Mynbaev. Vest. sel'khoz. nauki (Kazakh.) 6 no. 8 10-12 S '63.

EAR—ABSCESS
Tumor of the left temporal lobe of the brain with symptoms of an otogenous abscess. D. E. Rozengauz. Vrach. delo no. 11:145-147 N '63.

EAR—DISEASES
Otogenic sepsis; from data of the Vitebsk Otorhinolaryngological Hospital. IU. K. Aleksandrovskii Zdrav. Bel. 9 no. 3:13-16 Mr '63.
Otogenic suppurative meningitis. D. L. Rivin. Zdrav Bel. 9 no. 3 56-58 Mr '63.

EARTH—DENSITY
In the depths of the planet. IE. P. Fedorov. Nauka i zhyttia 13 no. 10:24-25 N '63.

EARTH—FIGURE
Determining the external gravitational field and the figure of the earth. V. V. Brovar and others. Geod. i kart. no. 10:74-76 O '63.
Grushinskii, N. P. [Theory of the figure of the earth] Teoriia figury Zemli. Moskva, Fizmatgiz, 1963. 446 p.

EARTH—INTERNAL STRUCTURE
In the depths of the planet. IE. P. Fedorov. Nauka i zhyttia 13 no. 10:24-25 N '63.
Nature of the stratification of the earth's crust and the upper mantle. IU. V. Riznichenko, I. P. Kosminskaia. Dokl. AN SSSR 153 no. 2:323-325 N '63.

EARTH—SURFACE see subdivision under Antarctic regions; Ukraine

EARTH SATELLITES see Artificial satellites

EARTHMOVING MACHINERY
Mechanization is the most important reserve in the increase of labor productivity. V. A. Balakin. Transp. stroi. 13 no. 9:44-45 S '63.

EARTHQUAKES see subdivision under Caspian Sea region

EARTHQUAKES AND BUILDING
(see also subdivision under Armenia)
New scientific discoveries and technological innovations. Belarus' 20 no. 11:31 N '63.
Zharmagambetov, B. S., and M. M. Serdiukov. [Problems in the industrialization of housing construction in earthquake areas] Voprosy industrializatsii zhilishchnogo stroitel'stva v seismicheskikh raionakh. Alma-Ata, Kazgosizdat, 1963. 197 p.

EARTHS, MEDICAL AND SURGICAL USES OF see subdivision under Karabotan, Lake

EARTHS, RARE see Rare earths

EARTHWORK
(see also subdivision under Meshchera)
How to carry out earthwork operations in winter. Stif. bud. 12 no. 1:18 Ja '62.
Nikolaev, B. A. [Sinking for the construction of deep foundations] Opyt prokhodki gruntov dlia sooruzheniia fundamentov glubokogo zalozheniia. Leningrad, 1963. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Serila: Stroitel'noe proizvodstvo, no. 6)

EARTHWORK—TABLES, CALCULATIONS, ETC.
A characteristic of surface configuration. IU. A. Neumyvakin. Trudy MIIZ no. 10 19-22 '60.
Effect of surface curvature on the accuracy of the calculated volume of grading work. IU. G. Batrakov. Trudy MIIZ no. 10,15-18 '60.

EAST (NEAR EAST) see Near East

EAST (SOVIET FAR EAST) see Soviet Far East

EAST EUROPEAN PLAIN—ALLUVIUM
Differences in the alluvium composition of the low terraces above the floodplains in the East European Plain. A. A. Velichko. Izv. AN SSSR Ser. geog. no. 6 62-69 N-D '63.

EAST EUROPEAN PLAIN—TERRACES (GEOLOGY)
Differences in the alluvium composition of the low terraces above the floodplains in the East European Plain. A. A. Velichko. Izv. AN SSSR Ser. geog. no. 6 62-69 N-D '63.

EAST GERMANY see Germany, East

EAST KAZAKHSTAN PROVINCE—HONEY
Supply honey to virgin land farmers. A. Smirnov. Koop. Kazakh. 6 no. 7 45 O '63.

EAST KAZAKHSTAN PROVINCE—WHEAT—FERTILIZERS AND MANURES
Effect of superphosphate on the yield of spring wheat and its resistance to lodging. A. V. Peterburgskii, Kh. P. Pekenlo. Dokl. TSKHA no. 47:28-33 '59.

EASTERN EUROPE see Europe, Eastern

EASTERN SIBERIA see Siberia, Eastern

ECCENTRICS (MACHINERY)—TESTING
Eccentricity checking with a UIM-21 microscope. B. V. Kershakov. Izm. tekh. no. 12:14 D '63.

ECHO VIRUSES
Selection of ECHO virus strains for the preparation of type-specific rabbit serums [with summary in English]. Z. F. Zubova and others. Vop. virus. 8 no. 2 213-217 Mr-Ap '63.

ECONOMIC ASSISTANCE, AMERICAN see subdivision under Africa; Cambodia, Indonesia

ECONOMIC ASSISTANCE, RUSSIAN
(see also subdivision under Africa)
Illgen Konrad. [Friendship in action; the Soviet Union's economic aid to socialist states and economically underdeveloped countries. Translated from the German] Druzhba v deistvii, ekonomicheskaia pomoshch' Sovetskogo Soiuza sotsialisticheskim gosudarstvam i ekonomicheski slaborazvitym stranam. Moskva, Izd-vo inostr. lit-ry, 1962. 267 p. maps (CSr-H)

ECONOMIC COUNCILS, ADMINISTRATIVE see Administrative economic councils

ECONOMIC ZONING
Economic regions of the U.S.S.R. Plan. khoz. 40 no. 11,89-90 N '63.
In the Department of Economic Geography. N. T. Agafonov. Izv. Vses. geog. ob-va 95 no. 5:476-478 S-O '63.

ECONOMIC ZONING—CONGRESSES
Second Plenary Session of the Committee on Economic Regionalization of the International Geographical Union. G. D. Kulagin. Izv. AN SSSR. Ser. geog. no. 6,116-118 N-D '63.

ECONOMICS
(see also subdivision under Ukraine)
Akademiia nauk SSSR. Institut ekonomiki. [Economics] Politicheskaia ekonomiia; uchebnik. Izd. 3., perer. i dop. Moskva, Gos. izd-vo polit. lit-ry, 1959. 707 p.
Compiling national economic balances of the Union Republics. M. Persits. Plan. khoz. 40 no. 12 20-25 D '63.
Leningrad. Universitet. Kafedra politicheskoi ekonomii. [Lecture course in economics, the communist method of production] Kurs lektsii po politicheskoi ekonomii, kommunisticheskii sposob proizvodstva. [Leningrad] Izd-vo Leningr. univ., 1963. 489 p.
Lopatkin, V. G., G. M. Kharakhash'ian, and P. P. Khlebnikov. [Political economy] Politicheskaia ekonomila. Moskva, Sotsekgiz, 1963. 391 p.
Mironova, B. L. [Production, turnover and consumption relationship during the large-scale building of communism] Vzaimodeistvie proizvodstva, obrashcheniia i potrebleniia v period razvernutogo stroitel'stva kommunizma. Moskva, Vysshaia shkola, 1963. 75 p. (Materialy k lektsiiam po politekonomii)
Model list of problems for economics dissertations. Nauch. dokl. vys. shkoly: ekon. nauki 6 no. 6:98-109 '63.
[Program on political economy; for seminars of the party educational system, as well as those who study economics independly] Programa z politychnoi ekonomii, dlia seminariv systemy politychnoi osvity i samostiino vyvchaiuchykh politychnu ekonomiiu. Kyiv, Derzhpolitvydav URSR, 1963. 59 p.

ECONOMICS (Continued)
Solodkova, S. V. [Economic laws and their use under socialism] Ekonomicheskie zakony i ikh ispol'zovanie pri sotsializme Moskva, Vysshiia shkola, 1963. 62 p.
Some forms of the ideology of neocolonialism. V. D. Zotov. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 5 13-21 '63.
Unscientific methodology of modern bourgeois economics. M. Ryndina. Vop. ekon. no. 10 74-87 O '63.

ECONOMICS—BIBLIOGRAPHY see Bibliography—Economics

ECONOMICS—STUDY AND TEACHING
Economics and the formation of communist ideology. L. Voznesenskii. Kommunist 10 no. 16 48-58 N '63.
Economics training of agricultural specialists. N. Vasin, V. Osipov, N. Zaitsev. Vop. ekon. no. 10 149-151 O '63.
Improve work standards of departments of economics. E. Borisov. Nauch. dokl. vys. shkoly, ekon. nauki 6 no. 6 4-9 '63.
Kommunisticheskaia partiia Sovetskogo Soiuza. Vysshaia partiinaia shkola. Kafedra sovetskoi ekonomiki. [Program for the course on the economics of the construction industry; for economics schools clubs, and seminars of the system of political education] Programma po ekonomike stroitel'stva, dlia ekonomicheskikh shkol, kruzhkov i seminarov sistemy politicheskogo prosveshcheniia. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 39 p.
Studying the elements of work organization in schools. P. Gorbunaev. Nar. obr. no. 12:121-122 D '63.
Tie with life is the main thing in popularizing the knowledge of economics. G. Paskal'. Ekon. sel'khoz. 32 no. 7:112-113 J '61.

ECONOMICS, MATHEMATICAL
(see also subdivision under Czechoslovakia)
Birman, I. IA., and L. E. Minis, eds. [Mathematical methods and the problems of production distribution] Matematicheskie metody i problemy razmeshcheniia proizvodstva. Moskva, Ekonomizdat, 1963. 347 p.
Conference on the application of mathematical methods to economic research. V. Abduganiev. Obshchestv. nauki v Uz. 7 no. 8 73-74 '63.
Criteria of the efficiency of capital investments in modern bourgeois econometrics. V. Shliapentokh. Plan. khoz. 10 no. 11 74-81 N '63.
New book on the theory and practice of the application of mathematics in economics. N. Kovalev, L. Khorunzhii. Vop. ekon. no. 10:99-105 O '63.

ECUADOR—POLITICS AND GOVERNMENT
The tragedy of Ecuador, a letter from Quito. Ruben Hernandez. Nov. vrem. 21 no. 46 16-17 N '63.

EDEMA
Morphological changes in the brain following impaction of the cerebellum into the foramen magnum [with summary in English]. G. N. Mirotvorskaia. Arkh. pat. 25 no. 8 62-67 '63.

EDIBLE OILS AND FATS see Oils and fats, Edible

EDITING
Technical editing is not a work of secondary importance. B. M. Il'in. Poligr. proizv. no. 11:7-8 N '63.

EDUCATION
(see also subdivision under Buryat A. S. S. R.; Congo (Leopoldville), Cuba; Czechoslovakia, Egypt; Europe, Eastern; Europe, Western; Germany, West; Hungary; Kirovskiy District, North Ossetia; Latin America, Mongolia; Nigeria; Poland, Sverdlovsk Province, Tatar A. S. S. R.; Ukraine; United States)
Back to classrooms and books. Ukraina no 16-25 Ag '62.
Brief news. Nar. obr. no. 12:105 D '63.
Decisions of the June Plenum of the Central Committee of the CPSU and the problems of the organs of public education. Sov. pedag. 27 no. 10 149-152 O '63.
Editorial; School and life. Nar. obr. no. 9:2-7 S '63.
The editor's mail. Sred. spets. obr. 10 no. 11:62 N '63.
Goncharov, N. K. Narodnoe prosveshchenie v SSSR. Public education in the USSR. Moskva, 1961. 64 p. [In Russian and English]
Good initiative and useful activities. Nar. obr. no. 9:20-21 S '63.
In the Ministry of Education of the R. S. F. S. R. Nar. obr. no. 9:123-125 S '63.
In the Ministry of Education of the R. S. F. S. R. Nar. obr. no. 12:130-132 D '63.
Let's fuse training and education into a unified flow. R. G. Lemberg. Sov. pedag. 27 no. 11:11-22 N '63.
Let's overcome the lag of pedagogical science. Sov. pedag. 27 no. 10:3-11 O '63.
Pedagogical legacy of I. N. Ul'ianov. Sov. pedag. 27 no. 11:153-155 N '63.
Promotheus, fire of knowledge. V. Mishin. Smena 40 no. 13:16-19 Jl '63.
Self-education. M. Shurko. Nar. obr. no. 12 55-60 D '63.
Under the banner of the Great October. Sov. pedag. 27 no. 11 3-10 N '63.

EDUCATION—BIBLIOGRAPHY see Bibliography—Education

EDUCATION—DICTIONARIES
To the attention of our readers. E. Konokotin. Sred. spets. obr. 10 no. 11:63 N '63.

EDUCATION—PERIODICALS
(see also subdivision under Europe, Eastern)
At the sources of pedagogical journalism. I. Meschiashin. Nar. obr. no. 9:99-101 S '63.
Read it in the periodicals. Nar. obr. no. 12 129 D '63.

EDUCATION, COOPERATIVE
(see also subdivision under Moscow)
Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut obshchego i politekhnicheskogo obrazovaniia. [Relationship of education to the life and work of students] Sviaz' obucheniia s zhizn'iu, s trudom uchashchikhsia. Pod red. Atutova. Moskva, Izd-vo Akad. nauk RSFSR, 1963. 222 p. (Pedagogicheskie chteniia)
Beside the mark. A. Polit[illegible]. Lenin, no. 12:124-125 D '63.
A Look on combining instruction with productive work. A. T. Mostovoi. Sov. pedag. 27 no. 9 142-145 S '63.
Engineers at school desks.... V. Zakharchenko, V. Chudnenko. Mol. komm. no. 9 76-80 S '63.
To study the methods of work. Iryna Batych. Ukraina no 16 15-16 Ag '62.
Ways to improve vocational training in secondary schools. K. A. Ivanovich, D. A. Epshtein. Sov. pedag. 27 no. 9. 41-48 S '63.
We don't need mere "observers" (readers continue the debate). Komsom. zhizn' no. 11:17 Jl '63.

EDUCATION, ELEMENTARY
New system of elementary education in operation. M. Zavatskaia. Nar. obr. no. 12:31-33 D '63.
And the outlines of future schools become visible.... O. Petukhova. Nar. obr. no. 9:26-34 S '63.
Problems of elementary education. L. V. Zankov. Sov. pedag. 27 no. 11.23-33 N '63.
Verzina, A. K., and A. M. Nizova. [Observations on nature and work in elementary schools] Nabliudeniia prirody i truda v nachal'noi shkole. Moskva, Izd-vo APN RSFSR, 1962. 94 p. (Pedagogicheskaia biblioteka uchitelia)
"Ways to improve the quality of the assimilation of knowledge in primary grades." A. A. Liublinskaia. Sov. pedag. 27 no. 11:141-145 N '63.
And we have a day with longer hours. V. Kondrashov. Nar. obr. no. 12 67-69 D '63.

EDUCATION, HIGHER
(see also subdivision under Rumania, Samarkand, Uzbekistan)
For high demands and a principled approach to the training of a new science generation. V. N. Kessenikh. Vest. vys. shkoly 21 no. 11.66-72 N '63.
Higher schools and present-day society. Mikhail Prokof'ev. Sov. Soiuz no. 11 16-17 '63.

EDUCATION, PRESCHOOL
(see also subdivision under Altai Territory)
Communication among children of different ages in combined children's institutions. V. G. Nechaeva. Sov. pedag. 27 no. 9:56-62 S '63.
Place of play in preparing children for school. IE. Zvolynskaia. Doshk. vykh. no. 11:30-33 N '63.
Practice of aesthetic training in a boarding school. D. I. Fel'dshtein. Sov. pedag. 27 no. 9:69-73 S '63.

EDUCATION, PRESCHOOL—AUDIO-VISUAL AIDS
Discussing a musical ABC book. Sov. pedag. 27 no. 9 158-159 S '63.
Visual aids from boxes and matches. K. Kosakovs'ka. Doshk. vykh. no. 11.42 N '63.

EDUCATION, PRESCHOOL—PERIODICALS
Creative exchange of experience. Doshk. vykh. no. 11: 47 N '63.

EDUCATION, PRESCHOOL—TEACHER TRAINING
Pedagogical lectures on the training of children in play. IU. Sobolieva. Doshk. vykh. no. 11.9-11 N '63.
Seminar on aesthetic training. H. Heiko. Doshk. vykh. no. 11 45-46 N '63.

EDUCATION, RURAL
(see also subdivision under Moscow Province)
Compulsory education in rural schools. A. Ragulin. Nar. obr. no. 12:16-18 D '63.
Russia (1917- R. S. F. S. R.) TSentral'nyi nauchno-metodicheskii kabinet kul'turno-prosvetitel'noi raboty. [Rural people's universities of culture] Narodnye universitety kul'tury v sel'skikh mestnostiakh. Moskva, [Izd-vo "Detskii mir"] 1961. 3 p.

EDUCATION, SECONDARY
Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut obshchego i politekhnicheskogo obrazovaniia. [School and work; uniting instruction with productive labor in the secondary school] Shkola i trud, sviaz' obucheniia s proizvoditel'nym trudom v srednei shkole. Pod red. A. I. IAntsova i P. R. Atutova. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 125 p. (MH)

EDUCATION OF CHILDREN
(see also subdivision under Tajikistan)
[Methods may be different but the goal is common] Sredstva raznye, a tsel' odna. [By] I. Skvortsov et al. Moskva, Gospolitizdat, 1963. 117 p.

EDUCATIONAL PSYCHOLOGY
(see also subdivision under United States)
From the point of view of psychology. [illegible]. Nar. obr. no. 12 31-37 D '63.
Knowledge, habits and skills. K. K. Platonov. Sov. pedag. 27 no. 11 98-103 N '63.
Mnemonic methods of teaching. M. Glazman. Nar. obr. 20 no. 10:16 O '63.
And the outlines of future schools become visible.... O. Petukhova. Nar. obr. no. 9:26-34 S '63.
Principle of unity between the concrete and the [illegible] and its significance for didactics. A. N. Shimbirev. Sov. pedag. 27 no. 11.92-97 N '63.

EDUCATIONAL TESTS AND MEASUREMENTS
Using the method of tests in measuring the [illegible] students. S. I. Voskerchi'ian. Sov. pedag. [illegible] 28-37 O '63.

EFFECT OF TEMPERATURE ON MATERIALS see Materials, Effect of temperature on

EFFICIENCY, INDUSTRIAL
(see also subdivision under Ukraine)
Assignments of the yearly plan will be completed ahead of time. Mosk. prom. i khoz. promyv. [illegible] '62.
Cost of a minute. IU. Egorov. Mosk. prom. i khoz. promyv. 3 no. 9:4-5 S '62.
Efforts of party organizations to develop the movement of inventors and efficiency engineers in industry, 1959-1961. G. M. Aleksandrov. Vest. Sev. 9, ist. 18 no. 6:8-10 N-D '61.
Glory to work! S. Luzgan. Komm. Ukr. 40 no. 11 [illegible] N '62.
In honor of the 13th Congress of Trade Unions. profsoiuzy 19 no. 18:5 S '63.
Lawsuits for the protection of exclusive rights [illegible] ciency suggestions. M. Asinovskii. Sov. [illegible] 9-10 O '63.
The movement of innovators [with summary in English, p. 220]. M. N. Laptin, A. A. Pinskii. Vop. [illegible] no. 11:3-16 N '61.
[Workers' stories about communism] Rabochie [illegible] o kommunizme. [Moskva] Profizdat, 1961. [illegible] p.

EGOROV, ALEKSANDR IL'ICH, 1883-1941
Meetings with Marshal A. I. Egorov. N. [illegible]. Voen.-ist. zhur. 5 no. 11:72-76 N '63.

EGOROVA, ANNA ALEKSANDROVNA, d. 1944
Leader of an attack flight group. V. Timofeev. Av. i kosm. 41 no. 45:6-7 N '63.

EGYPT—ECONOMIC CONDITIONS
Fridman, L. A. [Capitalist development of Egypt, 1882-1939] Kapitalisticheskoe razvitie Egipta, 1882-1939. [Moskva] Izd-vo Mosk. univ., 1963. 361 p.

EGYPT—ECONOMIC GEOGRAPHY
Dlin, N. A. [United Arab Republic (Egypt)] Obedinennaia Arabskaia Respublika (Egipet). Moskva, Izd-vo vostochnoi lit-ry, 1963. 139 p.

EGYPT—EDUCATION
State of public education in the United Arab Republic (UAR). A. Sakhatmuradov. Sov. pedag. [illegible] 116 S '63.

EHRENBURG, IL'IA GRIGOR'EVICH, 1891
People, years, life (conclusion). I. Ehrenburg. Inostr. lit. 38 no. 6:106-152 Je '62.

EINSTEIN, ALBERT, 1879-1955
Great reformer of the natural sciences. M. [illegible]. V mire knig 3 no. 9:9 S '63.

EISENSTEIN, SERGEI MIKHAILOVICH, 1898-1948
Eisenstein and the synthetic character of [illegible]. L. Kozlov. Vop. kinoisk. no. 7:104-127 '63.

EKHEGNADZOR DISTRICT—CELESTITE
Celestine in Lower Tertiary sediments in [illegible] District of the Armenian S. S. R. I. G. Gasparian. AN Arm. SSR, Geol. i geog. nauki 16 no. [illegible]

ELASTIC PLATES AND SHELLS
Design of elastically supported rectangular plates [illegible] cylindrical bending. V. V. Vardanian. Izv. Arm. SSR. Ser. tekh. nauk 16 no. 5:59-64 '63.

ELASTIC PLATES AND SHELLS (Continued)

Determination of normal stresses in a configurated plate subjected to tension. A. P. Sprin. Trudy GPI 17 [illegible] '61.

Dynamic stability of a cylindrical shell subjected to the action of high-frequency axial periodical forces. L. I. Sokolenko. Ukr. mat. zhur. 15 no. 4 398-413 '63.

Elastic equilibrium of thick ribbed plates. M. I. Guseinzade. Inzh. zhur. 3 no. 1:665-671 '63.

Nonaxisymmetric calculation of plates with braces. M. F. Zhorov. Prykl. mekh. 9 no. 6:591-600 '63.

Experimental investigation of the stability of spherical segments under external uniformly distributed pressure. N. N. Sorkin, S. N. Stepanov. Prykl. mekh. 9 no. 6:649-655 '63.

Bending of a thin plate on many supports. V. I. Nikoli. Strois. mekh. i raschet. sooor. 1 no. 1:10-15 '62.

Graphoanalytic calculation of circular one-sided stepped plate subjected to nonsymmetric loading. S. D. Ponomarev. Raschet na prochn. no. 9:3-17 '63.

Investigating the steady creep of circular and annular axisymmetrically loaded plates. N. N. Malinin. Raschet na prochn. no. 9:173-196 '63.

Kolkunov, N. V. [Fundamentals of the design of elastic shells.] Osnovy rascheta uprugikh obolochek. Moskva, Vysshaia shkola, 1963. 277 p.

Solution of the problem of stress concentration around curvilinear holes in shells by the finite-difference method. I. O. Bukhenskii. Prykl. mekh. 9 no. 6:619-626 '63.

Some problems in the bending of flexible plates. M. S. Korablekin, I. S. Imamaeva. Inzh. zhur. 3 no. 4:721-727 '63.

Stability equations for cylindrical shells. V. M. Darevskii. Inzh. zhur. 3 no. 4 658-664 '63.

Stress-strain state of a conic shell reinforced with ribs and under the action of a border load. V. M. Mitkevych. Prykl. mekh. 9 no. 6:612-618 '63.

Stressed state of multiconnected plates with regular configuration. D. V. Vainberg, B. Z. Bemberg. Raschet na prochn. no. 9:139-172 '63.

Tension of an anisotropic plate with a trapezoid hole reinforced with a rigid ring. O. S. Kosmodamianskyi, V. V. Mengalinskyi, V. A. Shvetsov. Prykl. mekh. 9 no. 6:641-645 '63.

The theory of sloping shells with a two-way curvature. S. P. Kolliakov. Strois. mekh. i raach. sooor. 4 no. 1:3-10 '62.

ELASTIC PLATES AND SHELLS—CONGRESSES

All-Union conference on the theory of plates and shells. O. V. Lushkin. Strois. mekh. i raach. sooor. 1 no. 1:46 '62.

ELASTIC PLATES AND SHELLS—VIBRATION

Longitudinally radial vibrations of a system of cylindrical shells with concentrated masses in joints. M. O. Kilchevskyi, M. P. Petrenko, D. V. Babich. Prykl. mekh. 9 no. 6:677-681 '63.

ELASTIC RODS AND WIRES

Bending stress calculation in a rod with an annular groove and an axial hole. V. A. Ionov, O. K. Lapunova, A. V. Verkhovskii. Trudy GPI 17 no. 3:75-79 '61.

Calculation of low-rigidity rods for bending. N. I. Dolgov. Raschet na prochn. no. 9:56-81 '63.

Determining stresses in hollow round rods with notches along the hypotenuse of nonplanar sections. V. A. Ionov. Trudy GPI 17 no. 3:63-74 '61.

"Impact on a thin-walled rod." N. S. Rakivnenko. Nauch. trudy KIIT no. 58:5-21 '62.

Investigating stresses and shifts in homogeneous and nonhomogeneous bars subjected to elastoplastic deformations taking into consideration the strengthening of the material. V. V. Abramov, A. A. Kiriev. Trudy GPI 17 no. 3:5-11 '61.

Longitudinal bending of rods under creep conditions. G. S. Shishkov, N. V. Valishvili. Raschet na prochn. no. 9:170-179 '63.

Optimal height of aluminum trusses with parallel chords. F. F. Tumpion, V. P. Sukhanov. Trudy Ural. politekh. inst. no. 131:83-95 '63.

Selecting optimal cross sections of bent profiles for centrally compressed rods. IA. I. Olkov. Trudy Ural. politekh. inst. no. 131:79-87 '63.

Strained state and the strength of flat notched bars of arbitrary thickness. V. S. Zhukovskii. Raschet na prochn. no. 9:231-252 '63.

Systems of elastic filaments. T. R. Zhukova. Strois. mekh. i raach. sooor. 4 no. 1:15-19 '62.

Torsion of the rods of bolted joints. A. F. Dubrovskii. Trudy MIIT no. 175:135-145 '63.

ELASTIC RODS AND WIRES—VIBRATION

Effect of shears and rotation inertia on the frequency of bending vibrations of elastic rods. M. V. Khvingia. Inzh. zhur. 3 no. 4:727-732 '63.

ELASTIC SOLIDS

Leonov, M. IA. [Fundamentals of the mechanics of an elastic body] Osnovy mekhaniki uprugogo tela. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR.
No. 1. 1963. 328 p.

Precision balancing and the determination of uneven rigidity of elastic mechanical systems. V. A. Vengerov, I. S. Demidov, G. O. Fridlender. Izm. tekh. no. 10 30-32 O '63.

ELASTIC WAVES

Resonance diffraction of elastic waves in plane-layered media with total internal reflection [with summary in English]. L. A. Ingansen. Izv. vys. ucheb. zav., radiofiz. 6 no. 5 958-964 '63.

Solution of the problem involving a transverse impact against a thread situated in a resistant medium. P. A. Rakhmanov. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekh. nauk no. 1 3-11 '63.

ELASTICITY

Kupradze, V. D. [Method of the potential in the theory of elasticity] Metody potentsiala v teorii uprugosti. Moskva, Fizmatgiz, 1963. 472 p.

Methods and equipment for the determination of the technical elasticity limit of thin spring wire under the effect of torsion. K. G. Gallmkhanov, IU. A. Kuvshinov, N. V. Sokolov. Shor. trud. TSNIICHM no. 32 205-208 '63.

Problem of elastic equilibrium of fitted fragmentary homogeneous plane media. IU. A. Amenzade. Izv. AN SSSR Mekh. i mashinostr. no. 5 179-186 S-O '63.

Relation between the theory of elasticity and electrodynamics. I. S. Arzhanykh. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk no. 6 81-82 '61.

Solution of certain problems on stress concentration in the theory of elasticity. V. L. Dobrovol'skii. Inzh. zhur. 3 no. 4:732-736 '63.

ELBOW—FRACTURE

Anatomicoradiographic characteristics of the supracondylar area of the humerus in children in connection with supracondylar fractures. Z. A. Skoblina. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 155-160 '59.

ELBOW—RADIOGRAPHY

Anatomicoradiographic characteristics of the supracondylar area of the humerus in children in connection with supracondylar fractures. Z. A. Skoblina. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 155-160 '59.

ELBRUS, MOUNT—ATMOSPHERIC ELECTRICITY

Changes in the atmospheric electric field in the region of Mount Elbrus. I. B. Pudovkina. Izv. AN SSSR, Ser. geofiz. no. 11:1710-1710 N '63.

ELECTIONS

Russia (1923- U.S.S.R.) Verkhovnyi Sovet. Prezidium. Otdel po voprosam raboty Sovetov. [Results of the 1963 elections to the Supreme Soviets of the Union, the Autonomous Republics and the local soviets of the workers' deputies, and the composition of these organs, statistical data] Itogi vyborov i sostav deputatov Verkhovnykh Sovetov soiuznykh, avtonomnykh respublik i mestnykh Sovetov deputatov trudiashchikhsia 1963 g.; statisticheskii sbornik. Moskva, "Izvestiia," 1963. 222 p.

ELECTRETS—MAGNETIC PROPERTIES

Susceptibility of electrets. F. I. Polovikov, V. V. Volchanskaia. Fiz. tver. tela 5 no. 11:3195-3198 N '63.

ELECTRIC APPARATUS AND APPLIANCES

Electrodynamic detector of amplitude-modulated signals. P. I. Dekhteriianko. Izm. tekh. no. 12:28-30 D '63

ELECTRIC APPARATUS AND APPLIANCES—MAINTENANCE AND REPAIR

"Repair and testing of large electrical equipment" by V. I. Shved, V. D. Afonin, Z. I. Boldinskii. Reviewed by E. L. Marshak, I. M. Meksin. Prom. energ. 18 no. 11:61 N '63.

ELECTRIC APPARATUS AND APPLIANCES—SAFETY MEASURES

Soldering irons manufactured by the Lyskovsk Factory and requirements of portable electrical equipment. V. P. Rostiakov. Prom. energ. 18 no. 11:19-20 N '63.

ELECTRIC APPARATUS AND APPLIANCES—WINDINGS

Bahaiants, I. S. [Technology of making windings from glass insulated copper wire] Tekhnologiia namotki izdelii mednym provodom v stekhlianoi izoliatsii. Leningrad, 1963. 16 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Serliia: Pribory i elementy avtomatiki, no. 4)

ELECTRIC ARC

Displacement of an electric arc in a magnetic field. V. S. Gvozdetskii, V. S. Mechev. Avtom. svar. 16 no. 10:54-62 O '63.

Formation of crystalline graphite in an electric arc burning in mineral oil. A. S. Zingerman. Izv. vys. ucheb. zav., fiz. no. 5:173-174 '63.

Relation between the electron and gas temperatures in a positive gas discharge column. D. B. Gurevich, I. V. Podmoshenskii. Opt. i spektr. 15 no. 5:587-594 N '63.

Selecting the operating conditions of an alternating current arc for solving certain analytical problems. V. P. Borzov. Zav. lab. 29 no. 11 1380-1382 '63.

ELECTRIC ARC—SPECTRA

Some experimental relationships of the integral characteristics of radiation in an arc. I. S. Fishman, I. Sh. Sharmanov, G. G. Il'in. Opt. i spektr. 15 no. 5:595-600 N '63.

ELECTRIC BREAKDOWN see Breakdown, Electric

ELECTRIC CABLES

Experience in laying a plastic sheathed cable. I. P. TSvetkov. Vest. sviazi 22 no. 11 21 N '62.

Fillers for P, V, C, plasticizers and resin mixtures from new types of rubber for the electrical insulation of cables. B. A. Murashev. Trudy IGEM no. 95 88-92 '63.

Terrestrial reinforced concrete boxes as a replacement for cable ducts for outdoor type electric power distribution systems. V. O. Novitskii. Energ. stroi. no. 16 69-71 '60.

ELECTRIC CABLES—MAINTENANCE AND REPAIR

Measurement methods for locating cable damages. A. M. Filippov. Avtom., telem. i sviaz' 7 no. 11:8-9 N '63.

ELECTRIC CIRCUITS

Numerical method of calculating transients in electric circuits with distributed parameters without allowance for losses. IA. B. Kadymov and others. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 4 45-51 '63.

Oscillations in a circuit with an asymmetrical characteristic, allowing for the lowest bend of the nonlinear characteristic and hysteresis. A. V. Turik. Izv. vys. ucheb. zav., radiofiz. 6 no. 5:1068-1069 '63.

Theory of transients in a parametrically excited circuit [with summary in English]. S. A. Akhmanov, A. S. Roshal'. Izv. vys. ucheb. zav., radiofiz. 6 no. 5 1008-1020 '63.

ELECTRIC CONDUCTIVITY

High strength electroconductive copper alloys. R. G. Pavlova. TSvet. met. 36 no. 10 64-69 O '63.

ELECTRIC CONTACTORS

New carbon contactors for relays of CTC systems. Avtom., telem. i sviaz' 7 no. 11 35 N '63.

ELECTRIC CONTRACTING—STUDY AND TEACHING

Poliakov, V. A., and V. N. Romanovskii. [Industrial training in secondary schools in the profession of electric contracting] Proizvodstvennoe obuchenie v srednei shkole po professii elektromontera stroitel'stva; prakticheskoe proizvodstvennoe obuchenie. Pod red. V. N. Romanovskogo. Moskva, Izd-vo Akad. pedagog. nauk *RSFSR, 1963. 118 p.*

ELECTRIC CONTROLLERS

Cam-type regulated improved KA410B, KA420B, KARN40B, and KAM40B modernized regulated cam-type command apparatus KA410B, KA420B, KAR40B, KARN40B, and KAM40B. Prom. energ. 18 no. 11:63-64 N '63.

Noncontact automatic control of a pumping unit. V. P. Mikhailov, V. K. Semenov. Avtom. i prib. no. 4:14-16 O-D '63.

Qualitative investigation of a system of differential equations in the automatic control theory. N. N. Serebriakova. Izv. AN SSSR Mekh. i mashinostr. no. 5 29-41 S-O '63.

ELECTRIC CURRENT CONVERTERS

Characteristics of a three-phase bridge inverter with series capacitances. S. D. Avakiants. Izv. LETI no. 47:359-369 '62.

Shipillo, V. P., V. V. Siritsa, and O. G. Bulatov. [Electromagnetic processes in a high-speed reversive electronic converter] Elektromagnitnye protsessy v bystrodeistvuiushchem reversivnom ionnom preobrazovatele. Moskva, Gosenergoizdat, 1963. 79 p. (Biblioteka po avtomatike, no. 83)

ELECTRIC CURRENT RECTIFIERS

Electronic commutation of current in a full-wave rectifier with zero outlet. A. V. Bogushevich. Izv. vys. ucheb. zav., elektromekh. 6 no. 9:1000-1003 '63.

Razmadze, Sh. M. [Three-phase current rectification] Vypriamlenie trekhfaznogo toka. Tbilisi, Gos. izd-vo "TSodna" M-va kul'tury Gruzinskoi SSR, 1963. 255 p.

ELECTRIC CURRENTS—GROUNDING

Conductivity of reinforced concrete pile foundations in permafrost regions. N. N. Maksimenko. Prom. energ. 18 no. 11:41-42 N '63.

Optimum design parameters of grounding devices. A. I. IAkobs, L. P. Terent'eva. Elek. sta. 34 no. 10 86-89 O '63.

ELECTRIC CUTOUTS

Afanas'ev, V. V. [High-voltage a.c. disconnecting switches] Raz"ediniteli peremennogo toka vysokogo napriazhenila. Moskva, Gosenergoizdat, 1963. 222 p.

Inspection of the guiding pipe of VM-35 and VMD-35 cutouts. T. P. Musatov. Elek. sta. 34 no. 10:85 O '63.

ELECTRIC DIPOLE MOMENTS see Dipole moments

ELECTRIC DISCHARGES

Change in the adsorbing capacity of silica gel induced by high-frequency discharges. S. V. Starodubtsev and others. Izv. AN Uz SSR Ser. fiz.-mat. nauk no 6 77-78 '61

Multichamber spark gap as an element of a strobotron circuit for use in high-speed photography. V. P. Zhil'tsov, E. Kh. Slutskin. Prib. i tekh. eksp. 8 no. 4 132-135 Jl-Ag '63.

Operation of a three-electrode spark gap stable to within 1 ns. G. A. Mesiats, G. S. Korshunov. Prib. i tekh. eksp. 8 no. 4 115-117 Jl-Ag '63.

Theory of a gas discharge with the presence of a dielectric barrier. A. V. Dmitriev. Izv. LETI no. 47 370-387 '62.

ELECTRIC DISCHARGES THROUGH GASES

Effect of the atmosphere on radiation from an arc discharge. Part 3. N. A. Bokova, O. P. Semenova, M. V. Petrova. Izv. vys. ucheb. zav.; fiz. no. 5 156-165 '63.

Gorbunov, E. P., and others. [Studying a toroidal discharge in a strong magnetic field] Issledovanie toroidal'nogo razriada v sil'nom magnitnom pole. Moskva, In-t atomnoi energii im. I. V. Kurchatova, 1960. 23 p.

Ivanov, D. P., and V. D. Kirillov. [Studying a toroidal discharge in a rapidly changing longitudinal magnetic field] Issledovanie toroidal'nogo razriada v bystromenialushchemsia prodol'nom magnitnom pole. Moskva, In-t atomnoi energii AN SSSR, 1960. 26 p.

Some characteristics of a toroidal discharge. A. P. Babichev, A. I. Karchevskii, Iu. A. Muromkin. Zhur. tekh. fiz. 33 no. 11 1400-1403 N '63.

Spectroscopic observation of an unstable region in the transition from a "weak" to a "strong" high-frequency discharge. O. P. Bochkova, L. P. Razumovskaia. Opt. i spektr. 15 no. 5 716-718 N '63.

Steady state concentrations of nitric oxide in the glow discharge. Part 6: Effect of the composition of initial mixture on the formation of nitric oxide in a narrow reactor [with summary in English]. I. Polio, A. N. Maltsev, E. N. Eremin. Zhur. fiz. khim. 37 no. 9 2087-2093 S '63.

ELECTRIC DRIVING

An a. c. servo drive for closing a navigation lock. Iu. A. Sabinin, O. V. Popov. Izv. vys. ucheb. zav., elektromekh. 6 no. 9 1098-1107 '63.

Agur, Ustus, and Hugo Tilsmus. [Electric drives] Elektriajamid. Tallinn, Eesti Riiklik Kirjastus, 1963. 625 p. [In Estonian]

Cam-type regulated improved KA410B, KA420B, KAR40B, and KAM40B modernized regulated cam-type command apparatus KA410B, KA420B, KAR40B, KAR40B, and KAM40B. Prom. energ. 18 no. 11 63-64 N '63.

Incompletely reversible electrohydraulic drive. A. P. Kirichenko, E. I. Liashenko, V. A. Panchenko. Mekh. i avtom. proizv. 17 no. 10 34-35 O '63.

Operational stability of a hydraulic and electric drive with reciprocating motion and clearance. A. V. Mozgalevskii, Iu. A. Lukomskii. Izv. vys. ucheb. zav., elektromekh. 6 no. 9 1123-1125 '63.

Soltamov, B.-S. D. [Automated electric drives in the woodpulp industry] Avtomatizirovannye elektroprivody na predprivatiiakh tsellulozno-bumazhnoi promyshlennosti. Moskva, Goslesbumizdat, 1963. 268 p.

Study of a network for the simultaneous stoppage of the motors of a multiple-motor d. c. drive. V. I. Fabrikant, Iu. T. Stradomskii. Izv. vys. ucheb. zav., elektromekh. 6 no. 9 1108-1112 '63.

Tun, A. IA., and A. O. Ivanov. [Repair of the electrical machines of electric drives] Naladka elektricheskikh mashin elektroprivodov. Moskva, Gosenergoizdat, 1933. 94 p. (Biblioteka po avtomatike, no. 85)

ELECTRIC ENGINEERING

Atabekov, G. I., ed. [Theoretical principles of electrical engineering in three parts] Teoreticheskie osnovy elektrotekhniki [v trekh chastiakh]. Moskva, Gosenergoizdat.

Pt. 3. Kupalian, S. D. [Electromagnetic field] Elektromagnitnoe pole. 1963. 110 p.

Zaichik, M. Iu. [Problems and exercises in theoretical electrical engineering] Sbornik zadach i uprazhnenii po teoreticheskoi elektrotekhnike. Moskva, Gosenergoizdat.

Pt. 2. 1963. 175 p.

ELECTRIC ENGINEERING—ABSTRACTS

[Electrical engineering and electric power] Ref. zhur.: Elektrotekh. i energ. nos. 11-12 N-D '63.

ELECTRIC ENGINEERING—BIBLIOGRAPHY see Bibliography—Electric engineering

ELECTRIC ENGINEERING—DICTIONARIES

[Automation of production processes and industrial electronics; encyclopedia of modern technology] Avtomatizatsiia proizvodstva i promyshlennaia elektronika; entsiklopedia sovremennoi tekhniki. Glav. red. A. I. Berg i V. A. Trapeznikov. Moskva, Sovetskaia entsiklopediia. (Entsiklopedii, slovari, spravochniki)

Vol. 2. K - Pogreshnost' izmerenila. 1963. 628 p.

ELECTRIC ENGINEERING—LABORATORY MANUALS

Rabinovich, E. A. [Laboratory work in general electrical engineering] Laboratornye raboty po obshchei elektrotekhnike, uchebno-metodicheskoe posobie dlia tekhnikumov. [n. p.] Rostvuzizdat, 1963. 136 p.

ELECTRIC ENGINEERING—MATERIALS

Bogoroditskii, N. P., and V. V. Pasynkov, eds. [Ceramic materials in radio engineering] Radiokeramika. [By] N. P. Bogoroditskii i dr. Moskva, Gosenergoizdat, 1963. 553 p.

Principal characteristics of materials used in manufacturing light fixtures. V. I. Dolgopolov, L. N. Dolgopolova, N. G. Perova. Svetotekhnika 9 no. 11 18-22 N '63.

ELECTRIC ENGINEERING—PATENTS

From the Committee on Inventions and Scientific Discoveries of the U. S. S. R. Radiotekh. i elektron. 8 no. 12 2102 D '63.

ELECTRIC ENGINEERING—PROBLEMS, EXERCISES, ETC.

Solving the triangles and electrical engineering problems. Iu. Gal'perin. Prof.-tekh. obr. 20 no. 10 13-11 O '63.

ELECTRIC ENGINEERING—STANDARDS

Measures and measuring instruments approved by the State Committee on the basis of State test results and authorized for use in the U. S. S. R. (registered in February 1963).

ELECTRIC ENGINEERING—STUDY AND TEACHING

Moroz, L. I. [Methodology of teaching the fundamentals of electric engineering in the eighth grade of evening (staggered) schools] Metodika prepodovaniia osnov elektrotekhniki v VIII klasse vechernei (smennoi) shkoly. Moskva, Izd-vo APN RSFSR, 1963. 100 p. (Pedagogicheskaia biblioteka uchitelia)

ELECTRIC EQUIPMENT INDUSTRY
(see also subdivision under Erivan)

Brief news. Prom. energ. 18 no. 11 56-57 N '63.

Gavrilov, A. N., N. N. Ushakov, and N. M. TSvetkov. [Technology of airplane electric equipment] Tekhnologiia aviatsionnogo elektrooborudovaniia. Moskva, Oborongiz, 1963. 523 p.

Let's protect the good name of the collective. Prom. energ. 18 no. 11, 2-3 N '63.

Practice in the mechanization and automation of assembly and fitting work in the manufacture of electric instruments. N. P. Ivantsova. Priborostroenie no. 11 24-25 N '63.

Work of the joint technical council of the State Design and Planning Institute of the Electrical Industry. A. A. Ermilov. Prom. energ. 18 no. 11 55 N '63.

ELECTRIC FIELDS

Ion wind effect on the rotation of a plasma in mutually opposed fields. K. V. Donskoi, E. M. Drobyshevskii, E. V. Nazarov. Zhur. tekh. fiz. 33 no. 11 1328-1332 N '63.

Laminar flow of a charged liquid in a plane tube under the action of an external electrostatic field. G. N. Kopylov. Zhur. tekh. fiz. 33 no. 11 1290-1300 N '63.

One characteristic of plasma heating in toroidal systems. G. V. Skornialov. Zhur. tekh. fiz. 33 no. 12 1477-1478 D '63.

Phenomenological theory of electrooptical phenomena. Part 1. V. A. Zamkov. Opt. i spektr. 15 no. 5 654-658 N '63.

ELECTRIC FILTERS

Line filters for high-frequency communication apparatus, remote control, and electric protection. G. V. Mikutskii. Trudy VNIIE no. 7 275-294 '58.

Method for the approximate solution of integral equations for optimum filtration [with summary in English]. I. B. Chelpanov. Avtom. i telem. 24 no. 11 1461-1466 N '63.

Use of commutating phase-shifting filters in an automatic control system with variable structure. S. V. Emel'ianov, V. A. Taran. Izv. AN SSSR. Tekh. kib. no. 5 164-170 S-O '63.

ELECTRIC FURNACES

Character of chrome spinel grain failure in the slag belt of electric arc furnaces. M. N. Kalbicheva. Ogneupory 28 no. 12 565-569 '63.

Defects in air switches for electric arc furnaces. V. N. Pashomov, A. V. Pozhidaev, B. D. Denisov. Prom. energ. 18 no. 11 10-13 N '63.

Organizing the operation of electric melting furnaces in mass production foundries. M. P. Anidalov, B. N. Ladyzhenskii. Lit. proizv. no. 10 11-12 O '63.

ELECTRIC FURNACES—COOLING

Practice in using the water-cooled roof of the DSN-1, 5 furnace. N. A. Barinov, V. M. Popov, Iu. A. Govorov. Mashinostroenie no. 6 32-34 N-D '63.

ELECTRIC FURNACES—DESIGN AND CONSTRUCTION

Laying the brickwork of open-hearth and electric steel smelting furnaces of dolomite blocks. A. Lekhtik. Metallurg 8 no. 10 19-20 O '63.

ELECTRIC FURNACES—EQUIPMENT AND SUPPLIES

Effect of slag composition on the pattern of the current oscillogram and the voltage of the arc furnace. B. M. Nikitin, N. M. Chernov. Izv. ucheb. zav., chern. met. 6 no. 10 52-[illegible]

Laboratory investigation and testing of [illegible] electric furnaces. K. V. Kovalskaia, [illegible] L. I. Murzova. Ogneupory 28 no. 11 [illegible]

ELECTRIC FUSES

New clamp-type fuse. Avtom., telem. i [illegible] 10 N '63.

ELECTRIC GENERATORS

Dynamics equation of a self-excited synchronous [illegible] tor with compounding and voltage regulator. [illegible] Iliasov. Izv. LETI no. 47 309-315 '62.

Regulation of the voltage of synchronous [illegible] tors with self-excitation transformers. [illegible] N. A. Sazonov, I. N. Bludilin, V. S. [illegible] ucheb. zav., energ. 6 no. 9, 1-7 S '63.

Review of G. I. Vul'man's book "Operation [illegible] in electric power plants." A. M. [illegible] sta. 34 no. 10 96 O '63.

Study of the electrical braking of the [illegible] V. I. Lenin Volga Hydroelectric Power [illegible] Bronshtein, V. A. Venikov, S. A. Sovalov, [illegible] no. 15 227-240 '63.

ELECTRIC HEATING ELEMENTS—TESTING

Methods of evaluating the structure of [illegible] heaters. V. I. Balkevich, G. A. Sarin, [illegible] no. 37 180-184 '62.

ELECTRIC HOUSEHOLD APPLIANCES see Household appliances, Electric

ELECTRIC INDUSTRY WORKERS see Labor and labor [illegible] Moscow

ELECTRIC INDUSTRY WORKERS—EDUCATION AND TRAINING

Some results of industrial training. A. M. [illegible] Sred. spets. obr. 10 no. 11 26-29 N '63.

ELECTRIC INSTRUMENTS

Analysis of circuits and testing methods for [illegible] measuring choke coils. A. G. Alikhanov, [illegible] no. 11 38-40 N '63.

Circuit of a compensator for measuring [illegible] tween two voltages. V. O. Arutiunov. [illegible] 27-28 N '63.

Electric contact device for checking the [illegible] thin axles. L. S. Abramovich. Izm. [illegible] O '63.

Evaluating errors along functional [illegible] instruments with indicators. I. I. Vedeni[illegible] no. 11 29-30 N '63.

Noncontact induction rheochord with an [illegible] circuit. V. IA. Fedish, R. B. Dadashe[illegible] 3 no. 10 6-9 O '63.

ELECTRIC INSULATORS AND INSULATION

Babaianis, I. S. [Technology of making [illegible] glass insulated copper wire] Tekhnologiia [illegible] iii mednym provodom v steklianoi [illegible] grad, 1963. 16 p. (Leningradskii dom [illegible] cheskoi propagandy. Obmen peredovym [illegible] Serilia Pribory i elementy avtomatiki, [illegible]

Cause of wire corrosion and of breakdowns [illegible] of windings of electrical machinery. I. [illegible] K. N. Petrov. Sbor. mat. po obm. opyt. 5 [illegible] 31 '59.

Control of the insulation resistance of [illegible] N. Nadporozhskii, R. Fidel'man. Ri[illegible] no. 11 56 N '63.

Dependence of certain electrophysical [illegible] Al_2O_3 content in materials of multicomponent [illegible] position. V. L. Balkevich, A. A. Krasnov[illegible] MKHTI no. 37 157-165 '62.

Fillers for P, V, C, plasticizers and re[illegible] new types of rubber for the electrical [illegible] cables. B. A. Murashev. Trudy Kal[illegible] '63.

Temperature dependence of the resistance [illegible] insulation. V. V. Puchkovskii, L. L. Ko[illegible] Ryzhov. Izv. vys. ucheb. zav.; energ. [illegible] S '63.

ELECTRIC LAMPS

Optical characteristics of mercury lamps [illegible] study of scattered light. I. A. Gerbatov[illegible] eksp. 8 no. 5 217-218 S-O '63.

ELECTRIC LIGHT FIXTURES

New light fixtures with DRI lamps and their [illegible] characteristics. Z. A. Solntseva. Svet[illegible] no. 11 32 N '63.

Principal characteristics of materials [illegible] facturing light fixtures. V. I. Dolgopol[illegible] polova, N. G. Perova. Svetotekhnika [illegible] N '63.

ELECTRIC LIGHTING

Consideration of multiple reflections. S. P. Dolkov. Svetotekhnika 9 no. 11: 25-26 N '63.

Lighting of control and measurement instruments at assembling shops. I. V. Volfkovich. Prom. energ. 18 no. 11:51-53 N '63.

Rutkovskii, L. A. [Handbook on electric lighting networks] Spravochnik po osveshchitel'nym setiam. Moskva, Gosenergoizdat, 1963. 200 p.

Through the pages of foreign magazines. Svetotekhnika 9 no. 11: 30-31 N '63.

ELECTRIC LINES
(see also subdivision under Armenia)

Measurement of the electrical parameters of multiwire steel cables with large cross section. I. F. Kuznetsov. Izv. vys. ucheb. zav.; energ. 6 no. 9:7-13 S '63.

Modulation of signals in transmission lines with periodically varying parameters [with summary in English]. I. A. Ostrovskii. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4:752-763 '63.

Propagation of electromagnetic waves in nonlinear transmission lines with lumped parameters. Part 1 Nonsteady-state processes [with summary in English]. Iu. K. Bogatyrev, L. A. Ostrovskii. Izv. vys. ucheb. zav., radiofiz. 6 no. 5:973-984 '63.

Propagation of electromagnetic waves in nonlinear transmission lines with lumped parameters. Part 2 Structure of the shock wave front [with summary in English]. Iu. K. Bogatyrev, L. A. Ostrovskii. Izv. vys. ucheb. zav., radiofiz. 6 no. 5:985-991 '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. 2, Sec. I, ch. 9. [Specifications for the design of electric lines with a voltage of over 1 kv] Linii elektroperedachi napriazheniem vyshe 1 kv, normy proektirovaniia (SNIP II-I, 9-62) *1963*. 30 p.

Some problems of nonsynchronous automatic reclosures of intersystem electric lines. G. A. Atrapetian. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 6:23-30 '63.

Steady-state processes in a cable line without leakage. D. A. Dobrotin. Izv. LETI no. 47 342-359 '62.

Reinforced reinforced concrete boxes as a replacement for cable ducts for outdoor type electric power distribution systems. V. O. Novitskii. Energ. stroi. no. 16:50-71 '60.

Two-dimensional periodic multiwire line containing N cylindrical conductors in the cell [with summary in English]. I. Sh. Beluga. Izv. vys. ucheb. zav., radiofiz. 6 no. 4:758-761 '63.

Wave conductivity of a shielded multiwire line with rectangular conductors. I. Sh. Beluga. Izv. vys. ucheb. zav., radiofiz. 6 no. 5:1070-1071 '63.

ELECTRIC LINES—MEASUREMENT

Measurement of the high-frequency parameters of a 35 kv. power transmission line. G. V. Mikutskii. Trudy VNIIE no. 7:220-225 '58.

ELECTRIC LINES—OVERHEAD
(see also subdivision under Gorkiy Province)

Calculation of the deflection of the suspension insulator chains on overhead power transmission lines. I. I. Tunkevichus. Elek. sta. 34 no. 10:70-73 O '63.

Effect of the twisting of a wire on the weight of the ice crust formation. E. P. Nikiforov. Trudy VNIIE no. 15:220-227 '63.

Lashing of wires on 400 to 500 kv. overhead power transmission lines. V. A. Vershkov, E. S. Glebov, R. A. Malyshev. Elek. sta. 34 no. 10:71-76 O '63.

Mechanization of work in conducting grounding operations in the construction of substations and power transmission line towers. Energ. stroi. no. 16:65-68 '60.

Mechanized construction of high-voltage lines. I. I. Kurtaev. Avtom., telem. i sviaz' 7 no. 11:28-29 N '63.

New developments in the construction of *400-500 kv.* power transmission lines. Energ. stroi. no. 16:50-65 '60.

Phase by phase replacement of defective suspension insulators on 35 to 110 kv. power transmission lines under partial phase operation. V. M. Popov. Elek. sta. 34 no. 10:67-70 O '63.

ELECTRIC LINES—POLES AND TOWERS

Use of intermediate standardized 220 kv. poles in the capacity of anchor and corner towers on 110 kv. power transmission lines. D. E. Vinogradov. Elek. sta. 34 no. 10:50-53 O '63.

ELECTRIC LINES—TESTING

Device for locating short-circuits. P. Ushchapovskii. Radio no. 11:45-46 N '63.

ELECTRIC LINES—UNDERGROUND

Experience in laying a plastic sheathed cable. I. P. TSvetkov. Vest. sviazi 22 no. 11:21 N '62.

Use of "KRET" pneumatic diggers. M. B. Spektor. Vest. sviazi 23 no. 10:19-20 O '63.

ELECTRIC LOCOMOTIVES

Garnichev, D. A., and others. [Electric locomotive with semiconductor rectifiers] Elektrovoz s poluprovodnikovymi vypriamiteliami. Moskva, Transzheldorizdat, 1963. 98 p.

Kokurin, V. A. [Assistant engineer of electric locomotives in open-cut mines] Pomoshchnik mashinista elektrovoza na kar'erakh. Moskva, Gosgortekhizdat, 1963. 282 p.

Litvinov, I. R., and V. S. Makarevich. [Organization of the technical inspection of d. c. locomotives; experience of the Western Siberia Railroad] Organizatsiia tekhnicheskogo osmotra elektrovozov postoiannogo toka, opyt Zapadno-Sibirskoi dorogi. Moskva, Transzheldorizdat, 1963. 95 p.

Promising types of locomotives. P. I. Abroskin, E. A. Smykov, B. A. Tushkanov. Zhel. dor. transp. 45 no. 11 49-51 N '63.

ELECTRIC LOCOMOTIVES—DESIGN AND CONSTRUCTION

Novocherkasskii elektrovozostroitel'nyi zavod [Album of drawings of electric machinery and transformer equipment for the VL60 electric locomotive] Al'bom chertezhei elektricheskikh mashin i transformatornogo oborudovaniia elektrovoza VL60. Moskva, Transzheldorizdat, 1963. 353 p.

ELECTRIC LOCOMOTIVES—EQUIPMENT AND SUPPLIES

Design of rubber parts for the traction drives of electric locomotives. K. K. Otagvelidze. Vest. TSNII MPS 22 no. 7:32-37 '63.

ELECTRIC LOCOMOTIVES—MAINTENANCE AND REPAIR

Solodunov, A. M. [Repair and maintenance of the auxiliary machines of a. c. locomotives] Remont i soderzhanie vspomogatel'nykh mashin elektrovozov peremennogo toka. Moskva, Transzheldorizdat, 1963. 72 p. (Bibliotechka slesaria po remontu elektropodvizhnogo sostava)

ELECTRIC LOCOMOTIVES—SAFETY APPLIANCES

Method for designing electric antiskid circuits. E. R. Doroshin. Vest. TSNII MPS 22 no. 7 25-32 '63.

Robrik, B. N. [Protection of the VL60 electric locomotive] Zashchita elektrovoza VL 60. Moskva, Transzheldorizdat, 1963. 51 p. (Bibliotechka mashinista elektrovoza)

ELECTRIC MACHINERY

Calculation of thermal processes in an electrical machine using an electronic digital computer. L. P. Botiaev, A. A. Ivanov. Izv. vys. ucheb. zav., elektromekh. 6 no. 9:1040-1049 '63.

Choice of coordinate systems and use of equivalent circuits in mathematical modeling of the transients of synchronous and asynchronous machines. N. I. Sokolov Trudy VNIIE no. 15:47-72 '63.

Conversion of the frequency characteristics of oscillographic galvanometers. Iu. M. El'kind. Trudy VNIIE no. 15:211-219 '63.

Elastic deformation and noise level at the surface of a stator. A. P. Baruzdin. Izv. LETI no. 47:289-299 '62.

Piotrovskii, L. M. [Electric machinery] Elektricheskie mashiny. Izd. 5., perer. i dop. A. R. Dero. Moskva, Gosenergoizdat, 1933. 503 p.

Pozdeev, A. D., and IA. B. Rozman. [Electromagnetic clutches and brakes with solid armatures] Elektromagnitnye mufty i tormoza s massivnymi iakorem. Moskva, Gosenergoizdat, 1963. 103 p. (Biblioteka po avtomatike, *no. 82*)

Present problems in the development of small electrical machines. N. P. Ermolin. Izv. LETI no. 47:28-35 '62.

ELECTRIC MACHINERY—DRYING

Chamber for drying electrical machinery with automatic temperature control. P. Z. Lamin. Prom. energ. 18 no. 11:16-17 N '63.

ELECTRIC MACHINERY—MAINTENANCE AND REPAIR

Tun, A. IA., and A. O. Ivanov. [Repair of the electrical machines of electric drives] Naladka elektricheskikh mashin elektroprivodov. Moskva, Gosenergoizdat, 1963. 94 p. (Biblioteka po avtomatike, no. 85)

ELECTRIC MACHINERY, SYNCHRONOUS

Magnetic forces generating vibration and noise in salient pole synchronous machines. A. P. Baruzdin, B. Z. Nesterov. Izv. LETI no. 47:275-288 '62.

Mathematical modeling of a synchronous machine taking saturation into account. L. M. Gorbunova, M. G. Portnoi. Trudy VNIIE no. 15:96-105 '63.

Modeling of synchronous machines using electronic analog computers. Iu. E. Gurevich, Z. G. Khvoshchinskaia. Trudy VNIIE no. 15:72-96 '63.

ELECTRIC MACHINERY, SYNCHRONOUS—WINDINGS

Internal short-circuits in the loop windings of synchronous machines. V. V. Dombrovskii, Iu. L. TSirlin, V. P. Karpenko. Izv. vys. ucheb. zav.; energ. 6 no. 10: 16-21 O '63.

ELECTRIC MACHINERY INDUSTRY—ACCOUNTING see subdivision under Novocherkassk

ELECTRIC MACHINERY INDUSTRY—INFORMATION SERVICES

In the Central Institute of Scientific and Technological Information and Standardization in the Electric Machinery Industry. S. G. Malinin. VNII no. 9:9-11 '63.

ELECTRIC MACHINES

Induction acceleralizers of static electricity. V. [illegible] Poligr. proizv. no. 11 18-19 N '63.

ELECTRIC MEASUREMENTS

Analysis of low-voltage transistor voltage regulator. L. G. Kiselev. Minogodan izm. tekh. i fiz. [illegible] 173-186 '63

Balancing indicator for electric measuring circuits. V. M. Il'in. Izm. tekh. no. 11 40-42 N '63

"Collector for dynamic measurements of the stress and temperatures of wheel pairs in motion," B. M. [illegible] [Sbor. trud.] RIIZHT no. 32 231-239 '61.

Conversion of the frequency characteristics of oscillographic galvanometers. Iu. M. El'kind. Trudy VNIIE no. 15 211-219 '63

Device for the adjustment of shaft centers. I. M. [illegible] Izm. tekh. no. 12,14 D '63.

Direct measurement of induction coil capacitance. P. [illegible], Todorov. Izm. tekh. no. 11 31-32 N '63.

Evaluation of the readings of an electric measuring [illegible] G. P. Abramovich. Izm. tekh. no. 12,37-38 D '63

Letter to the editor. V. V. TSvetnov, V. A. Vetsel', V. I. Arkhangel'skii. Radiotekhnika 18 no. 10 73-74 O '63.

New electronic devices for measuring and analyzing telegraph distortions. K. A. Brusilovskii. Vest. sviazi 23 no. 10 6-8 O '63.

Universal bridge unit for measuring p-n junctions of semiconductor devices at sonic frequencies. A. I. Kotiuk, E. V. Sheremet'ev. Izm. tekh. no. 11 33-36 [illegible] '63.

Use of a Q-meter for measuring permeability. I. V. [illegible] kolli. Izv. vys. ucheb. zav., radiotekh. 6 no. 5 554-555 S-O '63.

ELECTRIC METAL CUTTING

Akademiia nauk SSSR. TSentral'naia nauchno-issledovatel'skaia laboratoriia elektricheskoi obrabotki metallov. [Electric spark machining of metals] Elektroiskrovaia obrabotka metallov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 207 p.

Vasil'ev, K. V. [Gas and electric cutting of metals] Gazoelektricheskaia rezka metallov. Moskva, Mashgiz, 1963. 173 p.

Zubakov, D. I. [Electric erosion methods of machining metals] Elektroerozionnye sposoby obrabotki metallov. Pod red. V. I. Sysoeva. [Moskva] Rozvuzizdat, 1963. 39 p.

ELECTRIC METAL CUTTING—EQUIPMENT AND SUPPLIES

Principles of the mechanization of air-arc cutting. K. V. Vasil'ev, I. S. Shapiro. Trudy VNIIAvtogen no. 9 65-72 '63.

ELECTRIC METAL CUTTING—TERMINOLOGY

Gas-electric cutting terminology. K. V. Vasil'ev. Trudy VNIIAvtogen no. 9:85-99 '63.

ELECTRIC METERS see subdivision under Krasnodar

ELECTRIC MOTORS

Agur, Ustus, and Hugo Tiismus. [Electric drives] Elektriajamid. Tallinn, Eesti Riiklik Kirjastus, 1933. 625 p. [In Estonian]

Mastiaev, N. Z., and I. N. Orlov. [Hysteresis motors] Gisterezisnye elektrodvigateli; posobie dlia diplomnogo i kursovogo proektirovaniia. Red. A. N. Larionov. Moskva, MEI.

Pt. 1. [Theory and applications] Voprosy teorii i primeneniia. 1963. 221 p.

ELECTRIC MOTORS—COOLING

Design and calculation of the ventilation of electric driving motors for paper- and cardboard-making machines. V. I. Zil'berfarb. Bum. prom. 38 no. 11,21 N '63.

ELECTRIC MOTORS—STARTING DEVICES

Start network containing rheostat and reactor elements for the electric drives of conveyors. IA. E. Volfkovich. Prom. energ. 18 no. 11:52 N '63.

ELECTRIC MOTORS, ALTERNATING CURRENT

A regulated a. c. micromotor. E. N. Zimin, O. N. TSybul'ko. Izv. vys. ucheb. zav.; elektromekh. 6 no. 9:1093-1097 '63.

ELECTRIC MOTORS, DIRECT CURRENT

Synthesis of optimum control for d. c. motors with limitations in current and heating. V. M. Ozernoi. Izv. vys. ucheb. zav.; elektromekh. 6 no. 9:1071-1079 '63.

ELECTRIC MOTORS, INDUCTION

Additional losses in asynchronous short-circuited motors. A. I. Bolik, A. I. IAkovlev. Izv. vys. ucheb. zav.; elektromekh. 6 no. 9:1050-1051 '63.

ELECTRIC MOTORS, INDUCTION (Continued)

Asynchronous electric motors. E. Shats. Sel'mekh. no. 10 24-25 O '63.

Copper losses in an asynchronous motor with current supply from a traction substation for electric mercury-rectifier locomotives. K. A. Abdulrakhmanov. Zh. tekh. prog. no. 10 14-16 O '63.

Effect of the magnitude of magnetic flux on the heating of a frequency regulated induction motor. K. P. Kotrikov. Izv. vys. uchebn. zav., energ. 6 no. 9 30-36 S '63.

ELECTRIC MOTORS, SYNCHRONOUS

From the editor. Prom. energ. 18 no. 11 21 N '63.

Start of synchronous motors with close coupled exciters. P. V. Kuzmin. Prom. energ. 18 no. 11 8-9 N '63.

ELECTRIC NETWORKS

Calculation of electrical networks containing thermistors using an internal feedback technique. S. P. Kolosov. Izv. vys. uchebn. zav., energ. 6 no. 10 122-125 O '63

Conversion of logical algorithm networks using switching circuit models. V. M. Ozernoi. Izv. AN SSSR Tekh. kib. no. 5 45-53 S-O '63.

Correction of errors. N. I. Smirnov. Radiotekhnika 18 no. 10 21 O '63.

Determination of the equivalent parameters of a multiterminal network using a multipolar network matrix. Iu. V. Koval'chuk. Izv. vys. uchebn. zav., radiotekh. 6 no. 5 573-574 S-O '63.

Determining power losses in high-voltage power-transmission networks. V. S. Khachatrian. Izv. AN Arm. SSR Ser. tekh. nauk 16 no. 5 31-40 '63.

Input functions of electric two-terminal networks. M. I. Kontorovich. Radiotekhnika 18 no. 10 3-9 O '63.

Ivanov, A. A. [Fundamentals of the theory of electrical and magnetic circuits] Osnovy teorii elektricheskikh i magnitnykh tsepei. Kiev, Izd-vo Akad. nauk USSR, 1963. 366 p.

Method for calculating modes of operation of systems with magnetic couplings using dual networks. N. V. Mel'nikov. Trudy VNIIE no. 15 125-133 '63.

Method for calculating three-phase networks with saturable reactors operating in a forced excitation mode. M. N. Gubanov. Izv. vys. ucheb. zav.; energ. 6 no. 9 22-30 S '63.

Noises of a four-terminal network. N. V. Terpugov. Izv. LETI no. 47 117-135 '62.

Raitsel'skii, L. A. [Handbook on electric lighting networks] Spravochnik po osveshchel'nym setiam. Moskva, Gosenergoizdat, 1963. 288 p.

Transient process in an RL network connected through a rectifier with a current transformer. Iu. I. Maksimov. Izv. LETI no. 47 213-218 '62.

Transient processes in distributed nonlinear networks. V. N. Basharina. Izv. LETI no. 47 261-274 '62.

Voltage level suppressors. N. N. Rzhetskii. Izv. vys. ucheb. zav., radiotekh. 6 no. 5 566-569 S-O '63.

ELECTRIC OSCILLATORS see Oscillators, Electric

ELECTRIC POWER—ABSTRACTS

[Electrical engineering and electric power] Ref. zhur.: Elektrotekh. i energ. nos. 11-12 N-D '63.

ELECTRIC POWER—MEASUREMENT

Low power absolute measurements in the microwave band. V. B. Braginskii, L. I. Minakova, P. M. Stepunin. Prib. i tekh. eksp. 8 no. 5 130-133 S-O '63.

ELECTRIC POWER DISTRIBUTION
(see also subdivision under Russia, Northern, Uzbekistan)

Burguchev, S. A., ed. [Course on electric power plants, substations, and power systems] Praktikum po elektricheskim stantsiiam, podstantsiiam i sistemam. [By] A. A. Berzin i dr. Moskva, Sel'khozizdat, 1963. 303 p. (Uchebniki i uchebnye posobiia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)

Consideration of growing electrical loads in planning the electric power supply of synthetic rubber plants. L. Iu. Nabedrik. Prom. energ. 18 no. 11 43-44 N '63.

Consideration of the effect of aperiodic current and voltage components in the operation of transistorized relays. V. M. Kiskachi, Iu. G. Nazarov. Trudy VNIIE no. 15 187-203 '63.

Contactless remote control and signaling devices using magnetic elements. V. A. Zhozhikashvili, K. I. Mytiushkyn. Trudy VNIIE no. 7 58-77 '58.

Determination of an effective number of electrical power recipients in the calculation of electrical loads. V. S. Livshits. Izv. vys. ucheb. zav.; energ. 6 no. 10 38-43 O '63.

Device exhibiting nonsynchronous operation in an electric power system. S. E. Stepunin. Trudy VNIIE no. 15 21-47 '63.

Duration and switching current of the protective apparatus of 380/220 volt power distribution networks with dead-shorted neutral line. A. N. Tarumov, P. I. Spevakov. Prom. energ. 18 no. 11 44-51 N '63.

Experience in adjusting and operating high-frequency protection channels on a 400 kv. power transmission line. M. A. Kal'manovich, V. V. Taranchev. Trudy VNIIE no. 7 226-243 '58.

Frequency (ChU-1) type remote control and signaling device. G. P. Belaia. Trudy VNIIE no. 7 78-90 '58.

Graph of the electrical load of the consolidated electric utility system of the European part of the U. S. S. R. V. K. Meshkov, S. A. Sovalov, V. A. Gurina. Elek. sta. 34 no. 10 54-60 O '63.

Improvement of the design of electric power supply systems of industrial enterprises. D. Z. Entin. Prom. energ. 18 no. 11 59 N '63.

Installation of aluminum current conductors using a.c. welding techniques. V. I. Ievlev, V. V. Slonskii. Energ. stroi. no. 10 75-79 '60

Introduction of remote control and results of operating remote control devices in Municipal Electric Power Systems. P. A. Riazantsev. Trudy VNIIE no. 7 27-33 '58.

Load distribution with consideration of production costs. A. M. Tishchenkov. Elek. sta. 34 no. 10 64-66 O '63.

Method for calculating modes of operation of systems with magnetic couplings using dual networks. N. V. Mel'nikov. Trudy VNIIE no. 15 121-133 '63

Methods for calculating higher harmonic voltages in systems with two nonlinear elements. K. P. Kadomskaia, M. L. Levinshtein, V. M. Chertousova. Izv. vys. ucheb. zav., energ. 6 no. 10 27-35 O '63.

New diagram for oscillographic recording of short-circuit currents. Iu. M. El'kind. Trudy VNIIE no. 15 204-210 '63.

New era in power engineering. V. Boiko. Nar. khoz. Kazakh. 21 no. 9 71-73 S '63.

Optimum design parameters of grounding devices. V. I. Likobs, L. P. Terent'eva. Elek. sta. 34 no. 10 86-89 O '63.

Optimum distribution of the generated power in systems with hydroelectric power plants by the dynamic scanning method. V. G. Beglarov. Izv. AN Arm. SSR Ser. tekh. nauk 16 no. 5 11-21 '63.

Papers of a seminar on the operating modes and automation in electrical systems. E. N. Zuev. Izv. vys. ucheb. zav.; energ. 6 no. 9 123 S '63.

Phase by phase replacement of defective suspension insulators on 35 to 110 kv. power transmission lines under partial phase operation. V. M. Popov. Elek. sta. 34 no. 10 67-70 O '63.

Resynchronization of weakly coupled power systems. M. G. Portnoi. Trudy VNIIE no. 15 1-20 '63

Single-cycle pulse distributor using elements with a rectangular hysteresis loop. V. A. Zhozhikoashvili, K. G. Mitiushkin. Trudy VNIIE no. 7 131-149 '58.

Static errors in load distribution between electric power plants undergoing synchronous time regulation. E. I. IUrevich. Izv. vys. ucheb. zav., energ. 6 no. 10 1-8 O '63.

Study of the nonsynchronous modes of operation of an electric power system with nonsynchronous automatic reclosing of electric power transmission lines. V. I. Novash, E. N. Kavtsevich, Sh. Sh. Rechin. Izv. vys. ucheb. zav.; energ. 6 no. 10 8-15 O '63.

The UTB-55 type remote control and signaling device. V. K. Komissarov. Trudy VNIIE no. 7 34-55 '58.

Use of high-speed electronic computers in calculating voltage regeneration. G. A. Dorf. Trudy VNIIE no. 15 106-118 '63.

Use of remote control in electric power systems. R. L. Raines. Trudy VNIIE no. 7 7-16 '58.

Use of the statistical testing method in determining the one-dimensional distribution function of the values of current (voltage). A. S. Frolov. Trudy VNIIE no. 15 166-179 '63.

Voltage regulation in municipal low-voltage distribution networks assuring a minimum overall loss to recipients. B. V. Kolesnichenko. Izv. vys. ucheb. zav.; energ. 6 no. 10 43-48 O '63.

ELECTRIC POWER DISTRIBUTION—COMMUNICATION SYSTEMS

Design norms of high-frequency channels using electric power transmission lines. IA. L. Bykhovskii. Trudy VNIIE no. 7 216-219 '58.

Drainage coils as a special measure for protecting communication lines from dangerous and interfering effects of electric power transmission lines operating in a nonsymmetrical mode. L. E. Pavlychev. Trudy VNIIE no. 7 315-339 '58.

Measurement of the high-frequency parameters of a 35 kv. power transmission line. G. V. Mikutskii. Trudy VNIIE no. 7 220-225 '58.

Methods for increasing the speed of a time distributed code. R. L. Raines. Trudy VNIIE no. 7 91-114 '58.

Remote control and signaling device for time distributed codes with a short operating time. N. N. Sokolova. Trudy VNIIE no. 7 115-130 '58.

Use of telemetering systems in time multiplexing channels in electric power distribution systems. TS. E. Geronimus. Trudy VNIIE no. 7 208-215 '58.

ELECTRIC POWER DISTRIBUTION—SAFETY MEASURES

Problems of electrical safety and injuries should receive greater attention. L. B. Spevak. Prom. energ. 18 no. 11 13-15 N '63.

ELECTRIC POWER PLANTS
(see also subdivision under Zmiyev)

Assembly of prefabricated reinforced concrete structures of the main housing of a thermal electric power plant using a herringbone hoist. B. A. Kozmik, L. G. Naimark. Energ. stroi. no. 16 3-12 '60.

Burguchev, S. A., ed. [Course on electric power plants, substations, and power systems] Praktikum po elektricheskim stantsiiam, podstantsiiam i sistemam. [By] A. A. Berzin i dr. Moskva, Sel'khozizdat, 1963. 303 p. (Uchebniki i uchebnye posobiia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)

Coals of the Kansk-Achinsk Basin and their use in electric power plants. Elek. sta. 34 no. 10 91-93 O '63.

Concerning L. I. Dvoskin's article "Auxiliary power supply networks for the self-needs of large condensing power plants." P. S. Kabanov, L. K. Bonetskii. Elek. sta. 34 no. 10 89-90 O '63.

Economic prospect for the use of high-sulfur mazut in electric power plants. S. A. Feigin and others. Sb. trud. tekh. topl. i masel 8 no. 11 15-19 N '63.

In the Engineering Administration. Energ. stroi. no. 16 86-88 '60.

Increase in the stability and efficiency in burning pulverized peat. M. A. Stolov, M. G. Linkhovich, B. M. Shumanov. Elek. sta. 34 no. 10 20-23 O '63.

Installational diagram for connecting resistance thermocouples with a ratiometer. B. IA. Bekker. Elek. sta. 34 no. 10 82 O '63.

New scientific discoveries and technological inventions in Ukraina no. 11 6 Je '62.

Operating mode of a turbine using a generator in the capacity of a synchronous compensator. G. A. [illegible] A. S. Bokov. Elek. sta. 34 no. 10 38-41 O '63.

Possibilities of new design details of large-capacity thermal electric plants. L. Sudilovskii. Arkhit. [illegible] no. 1 13-17 '62.

Review of G. L. Vul'man's book "Operation of generators in electric power plants." V. M. Krivoruchko. Elek. sta. 34 no. 10 96 O '63.

Vilenskii, N. M. [Effective use of secondary power resources] Ratsional'noe ispol'zovanie vtorichnykh energeticheskikh resursov. Moskva, Metallurgizdat, 1963. 271 p.

ELECTRIC POWER PLANTS—COMMUNICATION SYSTEMS

Distance-type signaling device for local communication with increased capacity permitting transmission of telephone messages. V. V. Motovilov, N. A. Polikarov. Izv. vys. ucheb. zav., energ. 6 no. 10 115-119 O '63.

ELECTRIC POWER PLANTS—DESIGN AND CONSTRUCTION see subdivision under Petropavlovsk

ELECTRIC POWER PLANTS—EQUIPMENT AND SUPPLIES

Imbritskii, M. I. [Repair of fittings] Remont armatury. Izd. 2., perer. i dop. Moskva, Gosenergoizdat, 1963. 327 p.

ELECTRIC POWER PLANTS—FUEL CONSUMPTION

Load distribution with minimum fuel expenditures. B. F. Makushkin, N. D. Kuznetsov. Elek. sta. 34 no. 10 61-64 O '63.

ELECTRIC POWER PLANTS—WATER SUPPLY

Increase in the cooling capability of water-cooling reservoirs. I. K. Nikitin, A. G. Silvinskaia. Elek. sta. 34 no. 10 45-47 O '63.

Use of capillo locks for covering openings in pillars in the hydraulic developments of thermal electric power plants. D. S. Chumanov. Elek. sta. 34 no. 10 41-44 O '63.

ELECTRIC POWER PLANTS—WELDING

Installation of a contact section with flexible conducting means of electric welding. V. I. Ievlev. Energ. stroi. no. 16 80-82 '60.

ELECTRIC POWER PRODUCTION

On the front line of a daring dream. B. Bobrovskaia, Iu. Moralevych. Nauka i zhyttia 13 no. 10 56-57 O '63.

ELECTRIC POWER SUPPLY TO APPARATUS

Ferroresonant voltage stabilizer as a reference voltage source with operating temperature from 20 to 250°C. E. A. Andrievskii, B. L. Bondaruk. Vop. priborost. [illegible] 2 159-161 '63.

Food for apparatus. A. Kichatov. Tekh. mol. 31 no. 8 31-36 '63.

Power supply of the "Nedra-1" radio transmitter. V. Maiuchii. Radio no. 9 44-45 S '63.

Stabilized low voltage sources. O. P. Golovin. Prib. i tekh. eksp. 8 no. 4 110-112 Jl-Ag '63.

ELECTRIC PROSPECTING
(see also subdivision under Malaya Khein Valley; Noril'sk region; Tanama Valley)

Effective method of electric compensation of the primary signal in the aerial inductive method. S. K. Kurochkin. Izv. AN SSSR. Ser. geofiz. no. 10 1540-1543 O '63.

ELECTRIC PROSPECTING (Continued)

Generation of an electromagnetic field in an anisotropic layer. I. L. Vanian. Izv AN SSSR Ser. geofiz. no. 10 1533-1539 O '63.

ELECTRIC PROTECTION

Calculation of the placement of the KRB-122 blocking device. A. K. Merzhanov. Izv. vys. ucheb. zav., energ. 6 no. 9:14-22 S '63.

Consideration of the effect of aperiodic current and voltage components in the operation of transistorized relays. V. M. Kiskachi, IU. G. Nazarov. Trudy VNIIE no. 15:187-203 '63.

Drainage coils as a special measure for protecting communication lines from dangerous and interfering effects of electric power transmission lines operating in a nonsymmetrical mode. L. E. Pavlychev. Trudy VNIIE no. 7:315-339 '58.

Experience in adjusting and operating high-frequency protection channels on a 400 kv. power transmission line. M. A. Kaufmanovich, V. V. Taranchev. Trudy VNIIE no. 7:296-243 '58.

ELECTRIC RAILROADS

New textbook on electric traction. V. N. Kabanov, A. M. Volf, V. I. Kuimov. Zhel. dor. transp. 45 no. 11:91-95 N '63.

Survey of foreign journals. Avtom., telem. i sviaz' 7 no. 11:47-48 N '63.

ELECTRIC RAILROADS—BRAKES

Efficiency of regeneration braking on electric suburban trains. L. D. Kapustin. Zhel. dor. transp. 15 no. 11:22-25 N '63.

ELECTRIC RAILROADS—COMMUNICATION SYSTEMS

Conference on the design, construction, and operation of communication systems in a. c. traction districts. Avtom., telem. i sviaz' 7 no. 11:41-43 N '63.

ELECTRIC RAILROADS—CURRENT SUPPLY

Experimental study of laws governing changes in voltages and currents in traction loads. D. V. Timofeev. Trudy VNIIE no. 15:133-165 '63.

Optimum parameters of a system for supplying power to electric railroads. E. P. Figurnov. Izv. vys. ucheb. zav., energ. 6 no. 9:37-44 S '63.

Static characteristics of traction loads. V. A. Lukutin. Izv. vys. ucheb. zav., energ. 6 no. 9:108-111 S '63.

ELECTRIC RAILROADS—POLES AND TOWERS

Waterproofing the foundation of poles of contact networks. F. M. Ivanov, A. A. Smol'ianinov, V. L. Solntseva. Transp. stroi. 13 no. 9:51-54 S '63.

ELECTRIC RAILROADS—SAFETY MEASURES

Labor safety on electrified sections. R. N. Kotlakin, A. R. Sumin. Put' i put. khoz. 7 no. 12:12-43 '63.

ELECTRIC RAILWAY MOTORS

Calculation of thermal processes in an electrical machine using an electronic digital computer. I. P. Bolíaev, A. A. Ivanov. Izv. vys. ucheb. zav., elektromekh. 6 no. 9:1040-1049 '63.

ELECTRIC RELAYS

An a. c. time relay. V. I. Turchenkov. Avtom., telem. i sviaz' 7 no. 11:14-15 N '63.

Consideration of the effect of aperiodic current and voltage components in the operation of transistorized relays. V. M. Kiskachi, IU. G. Nazarov. Trudy VNIIE no. 15:187-203 '63.

Ostrovskii, A. S. [Weak current apparatus in electric-power systems] Apparatura slabogo toka v silovykh elektroustanovkakh. Moskva, Gosenergoizdat, 1963. 78 p. (Biblioteka elektromontera, no. 103)

Polarized plug-in relay. P. N. Zhiltsov. Avtom., telem. i sviaz' 7 no. 11:14-15 N '63.

The RSB noncontact speed relay. B. M. Senchuk. Mekh. i avtom. proizv. 17 no. 10:24-25 O '63.

Rope overload and loosening relay. IA. B. TSukerman. Sbor. Novo-Kram. mashinostroi. zav. no. 1:145-151 '59.

Temperature and pressure relay for the automation of refrigerating machinery. N. N. Rogachev. Ser. III: Nov. mash., obor. i sred. avtomatiz. no. 59:53-62 '63.

Use of repeater relays in regulation, signaling, and automatic control networks. V. F. Dubrovskii. Prom. energ. 18 no. 11:18-19 N '63.

ELECTRIC RELAYS—TESTING

Using functional cyclograms in analyzing the performance and reliability of contact relay circuits. A. I. Dobrolubov. Mekh. i avtom. proizv. 17 no. 10:38-40 O '63.

ELECTRIC RESISTANCE

Noncontact measurement of the specific resistance of semiconductors. M. I. Igitsyn and others. Zav. lab. 29 no. 11:1324-1326 '63.

Nonprobe method for measuring the specific resistance of highly alloyed semiconductors. V. I. Fistul', O. B. Orzhevskii. Zav. lab. 29 no. 11:1327-1329 '63.

ELECTRIC RESISTANCE—MEASUREMENT

Four-probe microhead for measuring the specific resistance of single-crystal films. A. G. Klimenko. Prib. i tekh. eksp. 8 no. 5:222-223 S-O '63.

ELECTRIC RESISTORS

Calculation of resistors operating in repeated short term duration mode. S. F. Kravtsev. Izv. vys. ucheb. zav., energ. 6 no. 9:45-50 S '63.

Checking of wire-wound resistors in a wide range of frequencies. G. I. Alekseev, IU. A. Skripnik. Izv. vys. ucheb. zav., radiotekh. 6 no. 5:524-532 S-O '63.

Manufacture of nonlinear resistors with an oxide surface coating. IU. D. Kobtsev. Izv. vys. ucheb. zav., fiz. no. 3:108-109 '63.

Study of the temperature dependence of components of radio-electronic networks. V. P. Bodunov. Vop. pered. inform. 2:162-168 '63.

ELECTRIC RESONATORS

Calculation of the dispersion of a chain of toroidal cavity resonators inductively coupled through slots. L. M. Andrushko. Izv. vys. ucheb. zav., radiotekh. 6 no. 5:571-573 S-O '63.

Calculation of the Q factor of thermally compensated quartz resonators. A. F. Plonskii. Izv. vys. ucheb. zav., radiotekh. 6 no. 5:562-564 S-O '63.

ELECTRIC SUBSTATIONS

Mechanization of work in conducting grounding operations in the construction of substations and power transmission line towers. Energ. stroi. no. 16:65-66 '60.

Schematic of automatic reclosing, reserve cutting-in, and the sectional switch of a substation with remote control. V. I. Martynuk, V. A. Luganskii. Elek. sta. 34 no. 10:83-85 O '63.

Telemechanic unit for substations of power systems (description of the structural diagram). B. K. Skirta, S. I. Khitsenko. Avtom. i prib. no. 4:3-7 O-D '63.

ELECTRIC SWITCHGEAR

Defects in air switches for electric arc furnaces. V. N. Pakhomov, A. V. Pozhidaev, B. D. Denisov. Prom. energ. 18 no. 11:10-13 N '63.

Defects of the PPM-10 spring drive. M. S. Zhivov. Prom. energ. 18 no. 11:58-59 N '63.

Discontinuing the use of signal lights in automatic selective switchgear. S. A. Brusov. Sudostroenie 29 no. 11:30 N '63.

New galvanomagnetic switching devices. N. A. Khokhlacheva. Radiotekhnika 18 no. 11:71-77 N '63.

Use of high-speed electronic computers in calculating voltage regeneration. G. A. Dorf. Trudy VNIIE no. 15:106-118 '63.

ELECTRIC SWITCHGEAR—TESTING

Decrease in the switching distortions of a current in switchgear testing systems using synthetic circuits. M. M. Akodis, D. S. Maslennikov. Izv. vys. ucheb. zav.; energ. 6 no. 10:22-27 O '63.

ELECTRIC TRANSFORMERS

Calculation of high-frequency transformers with steel cores. G. V. Mikutskii. Trudy VNIIE no. 7:306-314 '58.

Controlling booster transformers. L. Diuzhin. Tekh. v sel'khoz. 23 no. 9:48-51 S '63.

Method for calculating three-phase networks with saturable reactors operating in a forced excitation mode. M. N. Gubanov. Izv. vys. ucheb. zav.; energ. 6 no. 9:22-30 S '63.

Temperature dependence of the resistance of oil barrier insulation. V. V. Puchkovskii, L. L. Kochetkov, IU. A. Ryzhov. Izv. vys. ucheb. zav., energ. 6 no. 9:112-115 S '63.

ELECTRIC TRANSFORMERS—MEASUREMENT

Measurement of the high-frequency parameters of power transformers. V. I. Medvedev, T. Z. Partosh. Trudy VNIIE no. 7:295-305 '58.

ELECTRIC WELDING
(see also subdivision under Kherson; Mogilev)

Arc welding of aluminum and its alloys to steel with the application of an aluminum layer on steel by heating with high-frequency currents. G. A. Bel'chuk. Trudy LKI. no. 36:11-17 '62.

Brodskii, A. IA., and A. M. Fridman. [Investigating the welding of reinforcements for reinforced-concrete structures; welding of 35GS reinforcement steel] Issledovaniia svarki armatury zhelezobetonnykh konstruktsii; svarka armaturnoi stali marki 35GS. Moskva, Gosstroiizdat, 1963. 85 p.

Effect of steelmaking conditions on the impact toughness at low temperatures of electric slag welded joints. S. V. Polataev, V. K. Novitskii, I. R. Krianin. Svar. proizv. no. 6:22-26 Je '63.

Effect of the shape of conjugated surfaces on the structure and properties of seam metal in case of a resistance butt welding. A. M. Dzhafarov. Za tekh. prog. 3 no. 7:20-22 Jl '63.

Electron-beam welding in industry. O. K. Nazarenko, N. N. Leont'ev. Mashinostroenie no. 6:48-52 N-D '63.

Flash welding of abutting Khl5N60 and Kh20N80 alloy strips. V. T. Cherednichok, S. I. Kuchuk-IAtsenko. Avtom. svar. 16 no. 10:76-81 O '63.

German, S. I., and G. N. Kulakova. [Welding in an atmosphere of carbon dioxide] Svarka v srede uglekislogo gaza. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 135 p.

Inertia of the melting of an electrode wire and the depth of fusion of a metal during its automatic welding under flux. L. L. Alekin. Avtom. svar. 16 no. 10:1-7 O '63.

Installation of aluminum current conductors using a. c. welding techniques. V. I. Iovlev, V. V. Slonskii. Energ. stroi. no. 16:75-79 '60.

Investigating flash and resistance butt welding. G. P. Sakhatskii. Avtom. svar. 16 no. 10:26-32 O '63.

Letter to the editor. A. Charkseliani. Energ. stroi. no. 10:93 '60.

Seventy-five years of electric arc welding in inland water transportation. IU. Nesvetaev. Rech. transp. 22 no. 11:52-53 N '63.

Use of electric slag welding in the machinery industry. B. I. Medovar. Mashinostroenie no. 5:78-81 S-O '63.

Using a magnetic field for the control of the building-up process. V. P. Chernysh, S. K. Pavliuk. Mashinostroenie no. 5:85-88 S-O '63.

Welding of body stages of the Atlas rocket. Mashinostroenie no. 6:114-116 N-D '63.

ELECTRIC WELDING—EQUIPMENT AND SUPPLIES

Comparative evaluation of devices for the reduction of the idling voltage. B. A. Smirnov. Svar. proizv. no. 6:41-43 Je '63.

Mechanized method of welding cast iron with the use of powder wire. IU. A. Steinbogen and others. Svar. proizv. no. 6:7-8 Je '63.

Modernizing the electric diagram for the A-547r semiautomatic welder. IU. V. Kurkov. Svar. proizv. no. 6:38-39 Je '63.

Preparing the welding wire for welding in carbon dioxide. IU. I. Nikhinson, L. F. Teslenko. Svar. proizv. no. 6:39 Je '63.

Radio-frequency welding of straight-seam tubes on the 6-32 machine. A. T. Koniusheako and others. Metallurg 8 no. 10:24-26 O '63.

Semiautomatic machine for the electric slag welding of streetcar rails on the track. V. I. Svetlopolianskii. Avtom. svar. 16 no. 10:73-75 O '63.

The welding arc in an alternating transverse magnetic field. G. B. Serdiuk, A. N. Kornienko. Avtom. svar. 16 no. 10:8-14 O '63.

ELECTRIC WELDING—HYGIENIC ASPECTS

Pneumoconioses in electric welders. L. A. Zankovich, A. I. Kats. Zdrav. Bel. 9 no. 3:43-41 Mr '63.

ELECTRIC WIRE—STANDARDS

Wire for the thermoelectrodes of thermocouples. R. S. Lipman. Standartizatsiia 27 no. 11:37-38 N '63.

ELECTRIC WIRE, INSULATED

Device for cleaning wire insulation. V. V. Gritchin, M. B. Maidel'. Prom. energ. 18 no. 11:20-21 N '63.

ELECTRIC WIRING

Egorushkin, V. E., and F. G. Kitunovich. [Mechanization of work and electrical-wiring operations] Mekhanizatsiia truda i elektromontazhnye raboty, posobie dlia uchashchikhsia VIII klassa. Minsk, Gos. uchebno-pedagog. izd-vo M-va prosv. BSSR, 1963. 134 p.

Use of a concrete pistol in electrical equipment installation operations. V. S. Rat'kovskii. Energ. stroi. no. 16:72-74 '60.

ELECTRIC WIRING—SAFETY MEASURES

Dalidchik, I. D. [Handbook for the electrician of an automotive transportation unit] Pamiatka elektro-montera avtokhoziaistva. Moskva, Avtotransizdat, 1963. 29 p. (Tekhnika bezopasnosti na avtotransporte)

ELECTRICIANS

Raputov, B. M. [Electrician of an ore-dressing plant] Elektrosliesar' obogatitel'noi fabriki. Moskva, Gosgortekhizdat, 1963. 227 p.

ELECTRICITY—PHYSIOLOGICAL EFFECT

Comparative danger of alternating currents of different frequencies. A. F. Pakhomov. Vop. elektropat., elektrotravm. i elektrobezop. no. 3:61-69 '62.

Constancy of the intensity of alternating current (50 hertz) causing ventricular fibrillation in dogs under different natural altitudinal conditions. I. K. Mishchenko. Vop. elektropat., elektrotravm. i elektrobezop. no. 3:23-44 '62.

Present status of the problem of the danger of high-frequency currents. G. S. Solodovnikov. Vop. elektropat., elektrotravm. i elektrobezop. no. 3:5-21 '62.

Tolerance of mice of different ages to the action of alternating electric current. E. A. Stegailo, L. I. Fedorova. Vop. elektropat., elektrotravm. i elektrobezop. no. 3:45-49 '62.

ELECTRICITY, INJURIES FROM
(see also subdivision under Austria, Bulgaria)

Possibility of indirect massaging of the heart for the resuscitation of persons injured by electric current. N.S. Beltiumenova. Vop. elektropat., elektrotravm. i elektrobezop no. 3 71-73 '62.

Problems of electrical safety and injuries should receive greater attention. L.B Spevak. Prom. energ. 18 no. 11 13-15 N '63.

ELECTRICITY, TERRESTRIAL see Terrestrial electricity

ELECTRICITY IN FISHING

Nikonorov, I.V. [Fishing with light, theory and practice] Lov ryby na svet, teoriia i praktika. Moskva, Izd-vo "Rybnoe khoziaistvo," 1963. 164 p.

ELECTRICITY IN MINING

Automatic mine traction substation equipped with semiconductors. V.Kh. Pirogenko, G.V. Linchevskii, N.T. Nikolaenko. Avtom. i prib. no. 4:10-13 O-D '63.

ELECTRICITY IN MINING—BIBLIOGRAPHY see Bibliography—Electricity in mining

ELECTRICITY ON SHIPS

Automatic regulation of voltage and the distribution of loads during the parallel operation of suspended ship generators. N Konovalov and others. Mor. flot 23 no. 11:27-30 N '63.

Averkiev, V.P. [Fish location and electronavigation equipment on ships] Sudovye rybopoiskovye i elektronavigatsionnye pribory. Leningrad, Sudpromgiz, 1963. 231 p.

Choice of emergency electric stations for ships. V.D. Buriak. Sudostroenie 29 no. 11:35 N '63.

Control of the insulation resistance of ship circuits. N. Nadporozhskii, R. Fidel'man. Rech. transp. 22 no. 11:56 N '63.

Operation of loading cranes on ships of the type "Uglegradsk" and "Dzhankoi." V. Guriskii. Mor. flot 23 no. 11 30-32 N '63.

Operational reliability of electric marine motors. T. Al'tshuller. Mor. flot 23 no. 11:26-27 N '63.

Technical and economic grounds for the use of generator-shaft systems on ships. G.A. Meleshkin. Sudostroenie 29 no. 11:36-38 N '63.

ELECTRIFICATION
(see also subdivision under Azerbaijan; Tajikistan)

Borulia, V.L. [Advantage of electrification] Plius elektrifikatsiia. Moskva, Politizdat, 1963. 91 p. (Shkola istorii Sovetskoi Rodiny)

Electrification and the distribution of productive forces. V. Shelest, I. Krapchin. Plan. khoz. 40 no. 12 85-89 D '63.

ELECTROCAPILLARY PHENOMENA

Uranium targets prepared by the electrocapillary method. E.G. Dermendzhiev, M.K. Dolichev. Prib. i tekh. eksp. 8 no. 4 170-173 Jl-Ag '63.

ELECTROCARDIOGRAPHY

Changes in the electrocardiogram of cattle infected with stachybotryotoxicosis. G.I. Antonets. Nauch. trudy Ueh. chasti UASHN 27 no. 19:77-83 '62.

Clinical significance of the analysis of the heart contraction phase in rheumatic fever [with summary in English]. G.S. Kozlov. Terap. arkh. 35 no. 5:71-78 My '63.

Clinicoelectrocardiographic indices in poisoning with cardiac glycosides and the effect of potassium chloride [with summary in English]. F.E. Ostapiuk. Terap. arkh. 35 no. 5:51-59 My '63.

"Electrocardiography in the practice of exercise on working capacity" by R.IA. Pletnevyi, A.V. Soboleva. Reviewed by M.I. Teitel'baum. Klin. med. 40 no. 12 154-156 N '62.

Mechanism of phasic reactions of the heart in dogs during dysentery intoxication at different age periods. I.A. Arshavskii, V.D. Rozanova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:69-81 '58.

Methods of intravital coronary arteriography, a review of foreign literature. T.D. Figurina, M.P. Romankova. Vest. khir. 91 no. 7:95-98 Jl '63.

Method of phasic control of the blood circulation. V.V. Kovanov and others. Trudy po nov. app. i metod. no. 1: 86-92 '63.

Method of phasic resection of a portion of the myocardium at a given phase of the cardiac cycle for subsequent biohistochemical and autoradiographic investigation. A.N. Medelianovskii and others. Trudy po nov. app. i metod. no. 1:71-79 '63.

Study of coronary blood circulation in diabetes mellitus (ECG dynamics over a 24-hour period) [with summary in English]. E.L. Kilinskii, F.M. Egart. Terap. arkh. 35 no. 5:46-50 My '63.

ELECTROCHEMICAL ANALYSIS

Electrochemical determination of molybdenum based on the catalytic oxidation of iodide by hydrogen peroxide. R.K. Sharipov, O.A. Songina. Zav. lab. 29 no. 11:1293-1296 '63.

Electrolytic separation of nickel from solutions containing thorium salts [with summary in English]. T.V. Tsyvenkova, P.N. Kovalenko, Z.I. Ivanova. Zhur. anal. khim. 18 no. 10:1222-1227 O '63.

High-frequency method in organic analysis (survey). V.A. Zavinskii, I.A. Gur'ev. Zav. lab. 29 no. 10 1157-1161 '63.

Oxidized platinum electrode in electrometric analysis [with summary in English]. V.E. Petrakovich. Zhur. anal. khim. 18 no. 10:1161-1168 O '63.

ELECTROCHEMISTRY

Change of the electrochemical characteristics of reversible silver electrodes under the effect of certain admixtures. V.N. Flerov. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 5:829-833 '63.

Chemical polarization at high temperatures. A.I. Sotnikov, O.A. Esin, Iu.P. Nikitin. Dokl. AN SSSR 152 no. 5:1173-1176 O '63.

Filling of the surface with organic substances when the potentials correspond to maxima on the differential capacity curves. B.B. Damaskin, G.A. Tedoradze. Dokl. AN SSSR 152 no. 5:1151-1154 O '63.

Levin, A.I. [Theoretical principles of electrochemistry] Teoreticheskie osnovy elektrokhimii. Moskva, Metallurgizdat, 1963. 430 p.

Present-day state of the problem of fuel cells. O.K. Davtian. Zhur. fiz. khim. 37 no. 9:1949-1957 S '63.

ELECTROCHEMISTRY, INDUSTRIAL
(see also subdivision under Chirchik)

Thermal processes in deep anodizing of aluminum. S.IA. Grilikhes, B.IA. Zil'berman. Mashinostroenie no. 5:88-90 S-O '63.

ELECTRODES

Interaction of the electrode material with a solution in the presence of oxidizing agents [with summary in English]. O.A. Songina, L.S. Studenskaia. Zhur. anal. khim. 18 no. 10:1269-1273 O '63.

Semitransparent contacts from indium. Z.Sh. Ovsiuk. Prib. i tekh. eksp. 8 no. 5:224 S-O '63.

Study of the kinetics of electrode processes by means of alternating currents on a rotating disk electrode. V.A. Kir'ianov, V.IU. Filinovskii. Zhur. fiz. khim. 37 no. 9:2122-2124 S '63.

Transient processes in the charging of porous electrodes [with summary in English]. O.S. Ksenzhek. Zhur. fiz. khim. 37 no. 9 2007-2011 S '63.

ELECTRODES, CADMIUM

Anodic evolution of oxygen on cadmium in concentrated alkali solutions. L.A. L'vova, A.V. Fortunatov. Zhur. fiz. khim. 37 no. 9:2118-2121 S '63.

Anodic evolution of oxygen on cadmium in concentrated alkali solutions. L.A. L'vova. Zhur. fiz. khim. 37 no. 9:2114-2117 S '63.

ELECTRODES, DROPPING MERCURY

Evaluation of the degree of irreversibility of iron reduction on the dropping mercury electrodes. V.F. Ivanov, Z.A. Iofa. Zhur. fiz. khim. 37 no. 9:2132-2135 S '63.

ELECTRODES, GLASS

Glass electrode in fused salts. A.A. Kololii. Ukr. khim. zhur. 29 no. 11:1160-1172 '63.

ELECTRODES, PALLADIUM

Effect of mercury, arsenic, and cyan ions on the properties of Pd electrode [with summary in English]. A.V. Shashkina, L.I. Kulakova. Zhur. fiz. khim. 37 no. 9:1966-1972 S '63.

ELECTRODES, PLATINUM

Nature of the minimum observed on the potential displacement curves of a platinized platinum electrode when organic substances are introduced. B.I. Podlovchenko, O.A. Petrii, A.N. Frumkin. Dokl. AN SSSR 153 no. 2:379-382 N '63.

Oxidized platinum electrode in electrometric analysis [with summary in English]. V.E. Petrakovich. Zhur. anal. khim. 18 no. 10:1161-1168 O '63.

ELECTRODES, SILVER

Change of the electrochemical characteristics of reversible silver electrodes under the effect of certain admixtures. V.N. Flerov. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 5:829-833 '63.

ELECTRODES, TITANIUM—CORROSION

Effect of the alternating current frequency on the passivation of titanium. N.D. Tomashov, N.M. Strukov. Dokl. AN SSSR 152 no. 5:1177-1180 O '63.

ELECTRODIALYSIS

High-voltage three-camera electrodialysis apparatus based on countercurrent principles. V.A. Pchelin, L.M. Gubernieva. Zav. lab. 29 no. 11:1390-1391 '63.

Study of the mode of occurrence of molybdenum and rhenium in coals by electrodialysis. N.I. Razenkova, V.V. Kuznetsova. Trudy IMGRE no. 18:20-24 '63.

ELECTRODYNAMICS

Relation between the theory of elasticity and electrodynamics. I.S. Arzhanykh. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk no. 6:81-82 '61.

Two-dimensional periodic multiwire line containing cylindrical conductors in the cell [with summary in English]. I.Sh. Beluga. Izv. vys. ucheb. zav., radiofiz. 6 no. 4:738-751 '63.

Use of ring-shaped electrodes in the study of pondero-motive forces. A.B. Rastorguev. Izv. vys. ucheb. zav., fiz. no. 5:66-72 '63.

ELECTROENCEPHALOGRAPHY

Changes in the electroencephalogram of rabbits in experimental tetanus intoxication. E.A. Gromova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:55-62 '58.

Electroencephalography in superficial fluothane anesthesia. V.IU. Ostrovskii, R.G. Alekhina. Khirurgiia 39 no. 7:39-43 Jl '63.

Initial state of the cerebral hemispheres in a chronic experiment. E.F. Polezhaev. Dokl. AN SSSR 153 no. 2:189-192 N '63.

Relation of the ether concentration in the venous blood to the electroencephalographic curve in ether-oxygen and nitrous oxide-ether-oxygen anesthesia during heart operations [with summary in English]. G.I. Ostapenko. Khirurgiia 39 no. 7:74-80 Jl '63.

Study of electroencephalographic data in surgery on the heart. S.N. Strakhov. Med. sestra 22 no. 11 41-44 N '63.

ELECTROGASTROGRAPHY

Electrogastrogram in gastric and duodenal stenosis [with summary in English]. G.L. Levin, A.S. Beluga. Klin. med. 41 no. 7:51-56 Jl '63.

ELECTROKYMOGRAPHY

Clinical and electrokymographic parallels in patients with cicatricial changes following myocardial infarct [with summary in English]. V.N. Orlov. Terap. arkh. 35 no. 5:10-15 My '63.

Kosharko, K.A. [Electrokymography in the diagnosis of heart defects] Elektrokimografiia v diagnostike porokov serdtsa. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 152 p.
(DNLM)

ELECTROLUMINESCENCE

Effect of ultraviolet radiation on the temperature dependence of the electroluminescence of the ZnS-Cu, Al phosphor. L.R. Rabotkina, P.S. Litvinova. Izv. vys. ucheb. zav., fiz. no. 3:182-186 '63.

Frequency dependence of the electroluminescence of ZnS-Cu. N.T. Kovtoniuk. Opt. i spektr. 15 no. 3:416 N '63.

Temperature dependence of the electroluminescence of zinc sulfide phosphors. V.V. Nuvar'eva, P.D. Rainazarov. Izv. vys. ucheb. zav., fiz. no. 3:113-116 '63.

ELECTROLYSIS

Electrolysis of water under pressure. IA.S. Lapin. Khim. prom. no. 3:600-607 Ag '63.

Flow sheet of the anodic condensation of monomethyl adipate. M.IA. Fioshin, L.I. Kuvakova. Dokl. AN SSSR 152 no. 5:1132-1135 O '63.

Form of cathodic deposits of titanium obtained by the electrolysis of fused chlorides. B.F. Markov, T.A. Tishura. Ukr. khim. zhur. 29 no. 11:1155-1157 '63.

ELECTROLYTE METABOLISM

Electrolyte exchange in pediatric nephropathy. I.N. Usov. Dokl. AN BSSR 7 no. 5:353-356 My '63.

ELECTROLYTE SOLUTIONS

Effect of neutral electrolytes on coagulation interaction in a suspension of glass globules. G.I. Fuks, N.I. Nikolaeva. Dokl. AN SSSR 153 no. 2:398-400 N '63.

Effect of the electromagnetic delay of molecular attraction on the coagulation concentrations of electrolytes. B.V. Deriagin, V.P. Smilga. Dokl. AN SSSR 153 no. 2: 377-378 N '63.

Study of equilibria in nonaqueous electrolyte solutions with the aid of absorption spectra. Part 4: Optical and electrometric studies of picric acid in mixtures of hexane with n-butanol and dioxane with water [with summary in English]. N.A. Izmailov, E.I. Gurevich. Zhur. fiz. khim. 37 no. 9:2048-2053 S '63.

ELECTROLYTES

Decrease in gas permeability of cement stones when electrolytes are added. IU.V. Chekhovskii, V.E. Letrikh, S.A. Reitlinger. Dokl. AN SSSR 153 no. 2:405-407 N '63.

Dynamic study of sodium and potassium electrolytes in patients with various surgical diseases [with summary in English]. A.N. Bakulev, R.G. Ambartsumian. Vest. khir. 91 no. 7:3-7 Jl '63.

Electrolyte for thinning of galvanic deposition. B.Z. IArina. Poligr. proizv. no. 11:19-20 N '63.

ELECTROLYTIC OXIDATION see Oxidation, Electrolytic

ELECTROLYTIC REDUCTION see Reduction, Electrolytic

ELECTROMAGNETIC FIELDS

Arutekov, G. I., ed. [Theoretical principles of electrical engineering in three parts] Teoreticheskie osnovy elektrotekhniki [v trekh chastiakh] Moskva, Gosenergoizdat

Pt. 3. Kupalian, S.D. [Electromagnetic field] Elektromagnitnoe pole. 1963. 110 p.

Quantities characterizing the generation of an electromagnetic field. I. I. Vanlian. Izv. AN SSSR. Ser. geofiz., no. 11:1691-1693 N '63.

Shielding of an external field by a hollow flattened ellipsoid. S. I. Kuneev, M. G. Volkov. Izv. vyss. ucheb. zav., elektromekh. 6 no. 9:1021-1031 '63.

ELECTROMAGNETIC FIELDS—DIPOLE MOMENTS

Sphere of arbitrary conductivity with a nonconcentric spherical inclusion in the field of a vertical electric dipole (with summary in English). E. A. Ivanov. Izv. vyss. uchebn. zav., radiofiz. 6 no. 5:992-1002 '63.

ELECTROMAGNETIC WAVES

Coefficient of the absorption of electromagnetic waves by water vapor in the 10μ - 2cm. band (with summary in English). S. A. Zhevakin, A. P. Naumov. Izv. vyss. uchebn. zav., radiofiz. 6 no. 4:674-694 '63.

Damping of electromagnetic waves in a plasma placed in an inhomogeneous dielectric. V. IA. Eidman. Izv. vyss. uchebn. zav., radiofiz. 6 no. 4:853-853 '63.

Electromagnetic waves in an inhomogeneous medium generated by a plasma stream (with summary in English). V. IA. Eidman. Izv. vyss. ucheb. zav.; radiofiz. 6 no. 4 709-711 '63.

Excitation of surface waves. V. P. Smirnov. Izv. vyss. uchebn. zav., fiz. no. 5 182-184 '63.

Excitation of electromagnetic waves in a plasma by an ion beam. V. B. Krasovitskii, K. N. Stepanov. Izv. vyss. uchebn. zav.; radiofiz. 6 no. 5 1056-1059 '63.

Integral equation for the aperture field in the case when two volumes are connected electromagnetically. I. B. Levinson, S. S. Fel, P. Sh. Fridberg. Dokl. AN SSSR 153 no. 2:310-312 N '63.

Propagation of electromagnetic waves in nonlinear transmission lines with lumped parameters. Part 1 Nonsteady-state processes (with summary in English). Ill. K. Bogatyrev, L. A. Ostrovskii. Izv. vyss. ucheb. zav., radiofiz. 6 no. 5 973-984 '63.

Propagation of electromagnetic waves in nonlinear transmission lines with lumped parameters. Part 2 Structure of the shock wave front (with summary in English). Ill. K. Bogatyrev, L. A. Ostrovskii. Izv. vyss. ucheb. zav., radiofiz. 6 no. 5:985-991 '63.

Propagation of spiral H_{mm}-waves in a helical wave guide in the absence of radiation (with summary in English). L. B. Shtrapenin. Izv. vyss. ucheb. zav., radiofiz. 6 no. 5:1003-1007 '63.

Reception theory of low-frequency radio signals of random form. V. F. Nesterenk. Trudy LKI. no. 36: 135-141 '62.

Reflection of cylindrical waves by a wedge-shaped mirror with impedance walls. I. P. Skal'skaia. Zhur. tekh. fiz. 33 no. 11:1370-1383 N '63.

Structure of an isolated wave propagating along a magnetic field. A. D. Patarata. Zhur. tekh. fiz. 33 no. 11. 1315-1317 N '63.

Studying a plasma on a traveling wave setup. N. A. Borzunov and others. Dokl. AN SSSR 152 no. 3:581-581 S '63.

Temporary instruction for the methods for measuring the density of the flow of microwave power at work sites. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:135-127 '60.

Temporary sanitary regulations for working with SHF generators. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:121-134 '60.

Theory of resonance electromagnetic systems with total internal reflection. Part 2. L. V. Iogansen. Zhur. tekh. fiz. 33 no. 11. 1323-1327 N '63.

Wave processes in lines with shunting nonlinear resistances. T. M. Il'inova, R. V. Khokhlov. Radiotekh. i elektron. 8 no. 12:2006-2015 D '63.

ELECTROMAGNETIC WAVES—PHYSIOLOGICAL EFFECT

Changes in the blood under the effect of SHF on the organism. V. V. Sokolov, M. N. Artovich. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:43-45 '60.

Changes in the electroencephalographic curve in rabbits under the effect of SHF. S. F. Belova. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:86-89 '60.

Changes in the higher nervous system and interneuronal junctions in the cerebral cortex of animals under the effect of SHF. E. A. Lobanova, M. S. Tolgskaia. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:69-71 '60.

Changes in the receptor and interoreceptor apparatus under the effect of SHF. M. S. Tolgskaia, Z. V. Gordon. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:99-103 '60.

Clinical aspects of a chronic SHF effect on the human organism. E. A. Drogichina. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:29-31 '60.

Clinical aspects of changes in the internal organs under the effect of SHF. A. A. Orlova. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:35-40 '60.

Effect of SHF on the cholinesterase activity in the blood and organs of animals. S. V. Nikogosian. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1 81-85 '60.

Effect of SHF on the organ of vision. S. F. Belova. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:41-42 '60.

Hygienic evaluation of working conditions with SHF generators. Z. V. Gordon. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1 22-25 '60.

Morphological changes in experimental animals under the effect of pulse and continuous SHF. M. S. Tolgskaia, Z. V. Gordon, E. A. Lobanova. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1 90-98 '60.

Parameters of SHF fields determining the hygienic evaluation of working conditions and the problems of their measurement. V. G. Knorre. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1.11-21 '60.

Problem of the biological activity of SHF. Z. V. Gordon. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1 5-8 '60.

Protection from radiation in working with SHF generators. B. M. Belitskii, K. G. Knorre. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1.107-117 '60.

Protein fractions and blood histamine under the influence of SHF and HF. I. A. Gel'fon, M. N. Sadchikova. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1.46-49 '60.

Recommendations for conducting preliminary and periodical medical examinations of those working with sources of SHF. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1.118 120 '60.

State of the nervous system under the effect of SHF. M. N. Sadchikova. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1 32-35 '60.

Study of correlations between the basic neural processes in rats under the effect of SHF of various intensity. I. A. Kitsovskaia. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:75-80 '60.

Study of the blood pressure in rats under the effect of SHF using the bloodless method. Z. V. Gordon. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1.65-68 '60.

Study of the olfactory sensitivity in persons following the effect of SHF. E. A. Lobanova, Z. V. Gordon. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1 52-56 '60.

Survival and development of animals under various intensity and length of SHF influence. E. A. Lobanova. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1 61-64 '60.

Thermal reaction in animals under the effect of SHF. Z. V. Gordon, E. A. Lobanova. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1.59-60 '60.

Use of radioactive iodine for the determination of the functional activity of the thyroid gland in those working with SHF generators. M. I. Smirnova, M. N. Sadchikova. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1 50-51 '60.

ELECTROMAGNETIC WAVES—PHYSIOLOGICAL EFFECT—BIBLIOGRAPHY see Bibliography—Electromagnetic waves—*Physiological effect*

ELECTROMAGNETS

Formation of short magnetic field pulses in a ferrite magnet. I. A. Grishaev, O. G. Il'in, A. M. Shendorovich. Prib. i tekh. eksp. 8 no. 4:139-141 Jl-Ag '63.

ELECTROMOTIVE FORCE

Activity of lead oxide in melts of the PbO - SiO_2 system. V. I. Minenko, N. S. Ivanova. Ukr. khim. zhur. 29 no. 11:1160-1161 '63.

Attachment to the EPP-09 electronic device for measuring and recording changes of e. m. f. and electric conductivity. B. A. Lopatin. Zav. lab. 29 no. 11:1388-1389 '63.

Interaction of the electrode material with a solution in the presence of oxidizing agents [with summary in English]. O. A. Songina, L. S. Studenskaia. Zhur. anal. khim. 18 no. 10:1269-1271 O '63.

Measurement of the gradient of hydrogen concentration in hydrogenation of solutions [with summary in English]. A. B. Fasman, I. P. Getmantseva, D. V. Sokol'skii. Zhur. fiz. khim. 37 no. 9:2100-2105 S '63.

Nature of the minimum observed on the potential displacement curves of a platinized platinum electrode when organic substances are introduced. B. I. Podlovchenko, O. A. Petrii, A. N. Frumkin. Dokl. AN SSSR 153 no. 2:379-382 N '63.

Possibility of electrode processes taking place in the presence of the singly charged ions of alkaline earth metals. S. N. Pobedinskii, G. A. Krestov, L. L. Kuz'min. Izv. vyss. ucheb. zav.; khim. i khim. tekh. 6 no. 5:768-773 '63.

Rate of ionization of hydrogen on active electrodes. M. B. Knaster, M. I. Temkin. Dokl. AN SSSR 152 no. 3: 656-661 S '63.

ELECTROMYOGRAPHY

Electromyographic examinations in a prosthetic orthopedic clinic. T. S. Vinogradova, V. S. Gurfinkel', IA. L. Slavutskii. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:231-241 '59.

Functional state of muscles *in patients with neglected* congenital dislocations of the hip according to electromyographic data. A. K. Maistrenko, I. F. Titiunnik. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:101-108 '59.

Piezomyography in peripheral histrionic paralysis [with summary in English]. M. A. Vashchenko. Vrach. delo no. 11 97-100 N '63.

Some data on the mathematical treatment of muscular verbal stereotypes. K. M. Shteingart, F. M. Gol'tsman. Dokl. AN SSSR 152 no. 5:1235-1238 O '63.

ELECTRON BEAMS

Brillouin state of a two-dimensional electron flow. V. N. Danilov. Radiotekh. i elektron. 8 no. 12 2046-2054 D '63.

Electron-beam welding in industry. O. K. Nazarenko, N. N. Leont'ev. Mashinostroenie no. 6:48-52 N-D '63.

Parametric instability of an electron beam in an inhomogeneous anisotropic dielectric [with summary in English]. A. S. Omelaenko, P. V. Rikhk. Izv. vyss. ucheb. zav., radiofiz. 6 no. 5 946-951 '63.

ELECTRON BEAMS—MEASUREMENT

Apparatus for measuring the parameters of an electron beam. A. M. Minkin. Prib. i tekh. eksp. 8 no. 5 177-179 S-O '63.

ELECTRON DIFFRACTION EXAMINATION

Comparing the degree of disorientation of separately reflecting regions in thin vacuum condensates and solid specimens of aluminum. B. T. Boiko and others. Fiz. met. i metalloved. 16 no. 4:540-543 O '63.

ELECTRON MICROSCOPE

Mirror-type scanning electron microscope. V. N. Vertsner, IU. V. Chentsov. Prib. i tekh. eksp. 8 no. 5 180-182 S-O '63.

ELECTRON MICROSCOPY

Character of the distribution of the oxide phase in SAP [sintered aluminum powder]. A. I. Paisov, L. N. Sergeeva. Trudy MATI no. 57 136-138 '63.

Device for the deformation of an object in the UEMB-100 electron microscope. L. G. Otlov. Zav. lab. 29 no. 11 1386-1387 '63.

Electron microscopy of SAP [sintered aluminum powder] with the help of coal replicas. A. I. Paisov. Trudy MATI no. 57 95-98 '63.

Method of studying disperse phases by electron microscopy. A. V. Smirnova. Sbor. trud. TSNIICHM no. 32 25-35 '63.

Methods of revealing the substructure of armco iron by electron microscopy. G. A. Kokorin. Sbor. trud. TSNIICHM no. 32 129-133 '63.

ELECTRON MICROSCOPY—CONGRESSES

All-Union Conference on Electron Microscopy. E. E. Levin, V. M. Luk'ianovich. Zav. lab. 29 no. 10:1276-1277 '63.

ELECTRON OPTICS

Brillouin state of a two-dimensional electron flow. V. N. Danilov. Radiotekh. i elektron. 8 no. 12 2046-2054 D '63.

Construction of an optical system for a clear operation channel. I. A. Erofeev. Prib. i tekh. eksp. 8 no. 5 146-147 S-O '63.

Determination of trajectories in a plane three-electrode lens. E. S. Kochanov. Zhur. tekh. fiz. 33 no. 11 1301-1310 N '63.

Electron-optical system with diffraction gratings for measuring linear motions. L. M. Barkov, V. A. Suetin. Prib. i tekh. eksp. 8 no. 5.196-197 S-O '63.

Spark-type gas-discharge electron-optical converter. G. Peter, A. F. Pisarev, K. M. Fal'brukh. Prib. i tekh. eksp. 8 no. 4:128-131 Jl-Ag '63.

ELECTRON-TUBE VOLTMETER

Equipment defects in the device for measuring the mean voltage value of subsonic frequencies. G. L. Grin. Izm. tekh. no. 10.43-46 O '63.

ELECTRON TUBES

Applicability limits of the approximation of the characteristic of a tube using incomplete third-order polynomials. M. I. Zhodzishskii. Radiotekh. i elektron. 8 no. 12: 2089-2091 D '63.

Prospective developments in the design and manufacture of radio-electronic apparatus. F. E. Evteev. Izv. LETI no. 47 3-27 '62.

The 6F4P triode-pentode. N. Mindlin, T. Vakulenko, G. Eremeeva. Radio no. 9:54-55 S '63.

Study of the temperature dependence of components of radio-electronic networks. V. P. Bodunov. Vop. pered. inform. 2:162-168 '63.

Theory of tubes with transverse interaction [with summary in English]. R. A. Dudnik. Izv. vyss. ucheb. zav.; radiofiz. 6 no. 4:764-774 '63.

Transistor control of digital presentation tubes. P. S. Raikin, Avtom. i prib. no. 4:42-43 O-D '63.

Universal cold cathode tube. A. Erkin. IUn. tekh. 8 no. 11 68-73 N '63.

ELECTRONIC ANALOG COMPUTERS

Diagram for the approximate determination of the distance and time for the run-down of a ship with controllable pitch propeller. V. I. Nebesnov. Sudostroenie 29 no. 11:12-13 N '63.

ELECTRONIC ANALOG COMPUTERS (Continued)

Electron model of a marine gas turbine plant. P. P. Bikhaev, V. M. Zolenin, Sudostroenie 29 no. 10 26-29 O '63.

Modeling of synchronous machines using electronic analog computers. Iu. F. Gurevich, Z. G. Khvoshchinskaia Trudy VNIIE no. 15 72-96 '63.

Nonlinearity of voltage to time-interval conversion in digital measuring systems. M. A. Zemel'man, Izm. tekh. no. 10 37-43 O '63.

ELECTRONIC APPARATUS AND APPLIANCES

Calculation of the placement of the KRB-122 blocking device. A. K. Merzhanov, Izv. vys. ucheb. zav., energ. 6 no. 9, 14-22 S '63.

Electronic relays of the Time Service at the Pulkovo Observatory [with summary in English]. V. A. Vytnov. Izv. GAO 23 no. 1:117-120 '62.

Machines for electron-beam welding. Mashinostroenie no. 5 117-118 S-O '63.

Multichamber spark gap as an element of a strobotron circuit for use in high-speed photography. V. P. Zhil'tsov, E. Kh. Slutskin. Prib. i tekh. eksp. 8 no. 4 132-135 Jl-Ag '63.

ELECTRONIC CIRCUITS

Calculation of the output power of a detector with almost real characteristics during simultaneous signal and noise detection. A. S. Protopopov. Radiotekh i elektron 8 no. 12:2021-2033 D '63.

Current discriminators on tunnel diodes. B. N. Kononov, A. S. Sidorov, V. F. Leonov. Prib. i tekh. eksp. 8 no. 5: 103-106 S-O '63.

A transistorized scaler. A. A. Agafontsev. Prib. i tekh. eksp. 8 no. 5:106-109 S-O '63.

Use of single-terminal pairs containing a tunnel diode and a transistor in computer units [with summary in English]. N. I. Ashbel', I. S. Emel'ianova, L. V. Postnikov. Izv. vys. ucheb. zav., radiofiz. 6 no. 4:833-839 '63.

ELECTRONIC COMPUTERS

(see also subdivision under Alma-Ata Province, Noril'sk; United States)

The ABC's of calculating machines. Tekh. mol. 31 no. 11 25 '63.

Concerning A. I. Petrenko's report "Composition of a problem using a model." A. F. Verlan'. Izv. vys. ucheb. zav.; elektromekh. 6 no. 9:1126 '63.

Correction of separate erasure packs using block codes. E. L. Blokh, O. V. Popov. Probl. pered. inform. no. 14. 101-112 '63.

Electric calculating device for formulas of terrestrial stereoscopic surveying. A. S. Kisilitsyn, G. P. Kudriavtsev. Trudy MIIZ no. 10 157-162 '60.

Ferrites with rectangular hysteresis loops for electronic-physical apparatus. S. D. Baikov and others. Mnogokan. izm. sist. v iad. fiz. no. 5:158-164 '63.

For a wider use of electronic calculating machines in accounting. V. Isakov. Bukhg. uchet 20 no. 9 1-8 S '63.

Generator of random voltages of subsonic frequencies with any distribution law and a controlled spectrum. F. V. Zvorygin, V. M. Tomashov, O. A. Khokhel'. Avtom. i prib. no. 4:74-78 O-D '63.

Here it is, cybernetics. Leonid Sharoĭ. Ogonek 41 no. 43, 14-16 O '63.

Introduce cybernetics to agriculture. B. Pavlov. NTO [illegible] '63.

[illegible]hods and means of control in digital [illegible] Metody i sredstva kontrolia v vychislitel'nykh i upravlia- [illegible]eningrad, 1963. 18 p. (Leningradskoe [illegible]ty avtomatiki, no. 3)

[illegible]d electronic computers used in [illegible]m refining. K. A. Amiragov. [illegible]9:45-48 O '63.

[illegible]vice using transistors with PPG [illegible]A. F. Belov. Mnogokan. izm. [illegible]-150 '63.

[illegible]mal problems. I. B. Motskus, [illegible], i telem. 24 no. 11:1507-1508

[illegible]uous quantities into discrete [illegible] Izv. vys. ucheb. zav., elektro- [illegible]'63.

[illegible]aits containing a tunnel diode [illegible]puter units [with summary in [illegible] I. S. Emel'ianova, L. V. Postzav.; radiofiz. 6 no. 4, 833-839

[illegible]puter for accounting in the [illegible]I. Sariev. Bukhg. uchet 20

[illegible]chines for obtaining optimum [illegible]es. S. A. Soloid. Trudy Od. tekh.

[illegible]number block. S. V. Duvalian. [illegible]o. 7:64 '63.

[illegible]RS—ABSTRACTS

[illegible]ote control, and computer tech- [illegible]om., telem. i vych. tekh. no. 1

ELECTRONIC COMPUTERS—CIRCUITS

Chesnokov, A. A. [Operational amplifiers] Reshaiushchie usiliteli. Moskva, Gosenergoizdat, 1963. 62 p. (Biblioteka po avtomatike, no. 78)

ELECTRONIC COMPUTERS—CONGRESSES

Conference on the use of electronic calculating machines in accounting, planning and statistical work. Bukhg. uchet 20 no. 9 70-71 S '63.

ELECTRONIC COMPUTERS—INPUT-OUTPUT EQUIPMENT

Transistorized information output device for operation with punched tape. S. S. Kuznechkin. Mnogokan. izm. sist. v iad. fiz. no. 5:165-170 '63.

ELECTRONIC COMPUTERS—MEMORY SYSTEMS

Closed trajectories in recirculating memory systems without information shift. M. IA. Engoian. Izv. vys. ucheb. zav., radiofiz. 6 no. 4:858-860 '63.

Multidimensional analyzers. S. S. Kuznechkin. Mnogokan. izm. sist. v iad. fiz. no. 5:3-26 '63.

Testing system for an operational memory device. A. IA. Zubatenko. Avtom. i prib. no. 4:40-41 O-D '63.

ELECTRONIC COMPUTERS—TERMINOLOGY

Problems of terminology and classification in computer engineering systems. K. A. Sapozhkov. Izv. LETI no. 47:181-191 '62.

ELECTRONIC CONTROL

Automatic control of the dissolving of salt. V. A. Vulikhman. Avtom. i prib. no. 1:13-14 O-D '63.

Automatic looping control system for wire mills. V. P. Izotov, IU. K. Fedosenko. Avtom. i prib. no. 1:8-10 O-D '63.

Counting circuits in the control of machine tools and automatic lines. IU. N. Ivenskii, A. G. Tuller, G. L. Elper. Stan. i instr. 34 no. 11 7-10 N '63.

Flame regulating device. B. P. Fridman. Priborostroenie no. 11 25-26 N '63.

Functional summing unit equipped with condensers for multiplexing channels by the frequency method. M. A. Gadzhiev. Za tekh. prog. 3 no. 7:1-3 Jl '63.

Reducing output-signal pulsations of the E-21 converter in the LAUS system. V. M. Gorobchuk, V. L. Semkin. Avtom. i prib. no. 1:68-70 O-D '63.

Relay units for the automation of conveyor lines. I. M. Moshek, I. B. Gorinovich. Avtom. i prib. no. 4, 20-21 O-D '63.

Synthesis of discrete controlling devices on the basis of systems of equations of algebra of logic with delayed arguments [with summary in English]. M. IA. Eingorin. Izv. vys. ucheb. zav., radiofiz. 6 no. 4:810-832 '63.

ELECTRONIC DATA PROCESSING

Algebraic operations with frequency-pulsed information. R. G. Krupov. Avtom. i prib. no. 1, 13-17 O-D '63.

Decoding of conflicting signals in a noncontact telemechanic device for natural gas fields. A. G. Bashkirev, V. S. Romashkan, D. A. Frishtand. Avtom. i prib. no. 1: 58-60 O-D '63.

Functional graph converter with a vidicon. V. G. Abakumov, A. I. Petrenko, S. V. Denbnovetskii. Avtom. i prib. no. 1:17-51 O-D '63.

Konferentsiia po obrabotke informatsii, mashinnomu perevodu i avtomaticheskomu chteniiu teksta. [Reports of the Conference on Data Processing, Machine Translation, and Automatic Reading] Doklady. Moskva, Akad. nauk SSSR.
Nos. 3, 5, 11. 1961.

New fields in the automation of processes of mental work. V. I. Loskutov. Mekh. i avtom. proizv. 17 no. 10 40-43 O '63.

New occupation of the electronic brain. V. Rybal'skyi, V. Sadovs'kyi. Nauka i zhyttia 13 no. 10 4-5 N '63.

Using electronic computers for calculations. I. Zinger, N. Lapshin. Plan. khoz. 10 no. 11:28-31 N '63.

ELECTRONIC DATA PROCESSING—CONGRESSES

Conference on using electronic calculating machines in accounting, planning, and statistical work. I. Skobennikova. Sots. trud 9 no. 10:143-148 O '63.

ELECTRONIC DATA PROCESSING—CONSTRUCTION INDUSTRY

Kashirskii, A. A., and IU. N. Birin. [Use computing equipment in construction] Vychislitel'nuiu tekhniku — na sluzhbu stroitel'stvu. Moskva, Gosstroizdat, 1963, 100 p.

Mechanizing the calculation of structures on key automatic machines. P. Sosis. Prom. stroi. i inzh. soor. 5 no. 5:56-58 S-O '63.

ELECTRONIC DATA PROCESSING—ICE RESEARCH

Numerical method for calculating the thickness and temperature of ice. IU. P. Doronin. Probl. Arkt. i Antark. no. 14:17-25 '63.

ELECTRONIC DIFFERENTIAL ANALYZERS

A. C. integrator with two semiconductor keys. V. I. Gostev. Avtom. i prib. no. 1:60-62 O-D '63.

ELECTRONIC DIGITAL COMPUTERS

Calculation of thermal processes in an electrical machine using an electronic digital computer. I. P. Botiaev, A. A. Ivanov. Izv. vys. ucheb. zav.; elektromekh. 6 no. 9:1040-1049 '63.

Gavrilenko, E. T. [Command systems of the "Ural-2" and "Ural-4" universal digital computers] Sistemy komand universal'nykh tsifrovykh elektronnykh vychislitel'nykh mashin "Ural-2" i "Ural-4." Moskva, VINITI AN SSSR, 1963. 96 p. (Akademiia nauk SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy dlia mashin "Ural," no. 1)

Investigating the reliability of the "Dnipro" multipurpose control computer. B. N. Malinovskii, S. S. [illegible] Avtom. i prib. no. 1:52-56 O-D '63.

Klimko, E. I. [Network and test control in automatic digital computers] Skhemnyi i testovyi kontrol' avtomaticheskikh tsifrovykh vychislitel'nykh mashin. Ed. red. A. I. Kitova. Moskva, "Sovetskoe radio," 1963. 191 p.

Machine algorithms for the calculation of equatorial coordinates of sun and stars on electronic digital computers used in navigation. K. N. Denisov, V. D. Dmitrenov. Trudy TSNIIMF 8 no. 47 74-81 '63.

Matov, V. I., and others. [Digital computer for school use] Uchebnaia tsifrovaia vychislitel'naia mashina. Moskva, Gosenergoizdat, 1963. 127 p. (Biblioteka po avtomatike, no. 84)

Measurement converters with galvanically separated input and output. V. S. Verkhovtsev and others. Avt. i prib. no. 1, 78-81 O-D '63.

"Minsk-1." N. Panchurin, E. Maliavko. Rech. trans. 22 no. 10 60 O '63.

Solving a general problem of approximation by the method of steepest descents. G. B. Petliuk, V. M. Platonov. Zav. lab. 29 no. 10 1221 '63.

Transistor control of digital presentation tubes. P. S. Raikin. Avtom. i prib. no. 4:42-43 O-D '63.

Two-stage commutator for automatic data input in digital control computers. A. S. Podakov, R. V. Chaikovskii, E. I. Shpunts. Avtom. i prib. no. 1:30-33 O-D '63.

Volgin, L. N. [Elements of the theory of control machines] Elementy teorii upravliaiushchikh mashin. Moskva, Sovetskoe radio, 1962. 155 p. (CSSmoR)

ELECTRONIC DIGITAL COMPUTERS—MEMORY SYSTEMS

Passive memory device for symbol indicators of digital computers. A. M. Zinchenko. Avtom. i prib. no. 4:37-39 O-D '63.

ELECTRONIC DIGITAL COMPUTERS—PROGRAMMING

Method for the realization of the external language of a special-purpose electronic digital computer for the solution of a specific class of logical problems. L. A. Fatkushova, IU. G. Zaretsin, V. T. Muzychuk. Avtom. i prib. no. 1:26-30 O-D '63.

ELECTRONIC INDUSTRIES—QUALITY CONTROL

Berg, A. I. [Cybernetics and reliability] Kibernetika i nadezhnost'. Moskva, Izd-vo "Znanie," 1963. 30 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia Tekhnika, no. 21)

ELECTRONIC INSTRUMENTS

(see also subdivision under France; Japan)

Attachment to the EPP-09 electronic device for measuring and recording changes of e. m. f. and electric conductivity. B. A. Lopatin. Zav. lab. 29 no. 11 1388-1389 '63.

Automatic error compensator for the weighing with a batcher. M. M. Ivakhnenko. Izm. tekh. no. 10 23-27 O '63.

Device for measuring frequency errors of wire resistance. G. A. Alekseev, IU. A. Skripnik. Avtom. i prib. no. 4, 70-74 O-D '63.

Inconvenience of the operation and repair of certain instruments. V. S. Malov. Priborostroenie no. 11 31-32 N '63.

Stand for testing radioisotope density relays. L. S. Klempner, I. M. Cherednichenko. Izm. tekh. no. 11 48-50 N '63.

ELECTRONIC MEASUREMENTS

Microprogram control in measuring systems. S. S. Kuznechkin. Mnogokan. izm. sist. v iad. fiz. no. 5:131-142 '63.

New diagram for oscillographic recording of short-circuit currents. IU. M. El'kind. Trudy VNIIE no. 15 204-210 '63.

Programming control device using transistors with PPG units. S. S. Kuznechkin, A. F. Belov. Mnogokan. izm. sist. v iad. fiz. no. 5, 143-150 '63.

ELECTRONIC MEASUREMENTS—STUDY AND TEACHING

Rozenberg, N. M. [Teaching work with electronic measuring instruments in secondary schools] Obuchenie rabote s elektronnoi izmeritel'noi apparaturoi v srednei shkole. Moskva, Izd-vo APN RSFSR, 1963. 58 p. (Biblioteka politekhnicheskogo obucheniia)

ELECTRONIC PHOTOGRAPHY see Photography, Electronic

ELECTRONICS

All-Union session of the A. S. Popov Scientific and Technical Society of Radio and Electronics dedicated to "radio day." Radiotekhnika 18 no. 10:75-80 O '63.

ELECTRONICS (Continued)

Use of electronics and electronics. M. Likhachev. Radio no. 11 N '63.

Blanter, S. G. [Industrial electronics] Promyshlennaia elektronika. Moskva, Gosenergoizdat, 1963. 368 p.

Experimental procedures for conducting experiments in the study of breakdown in high vacuum. Radiotekh i elektron. 8 no. 11 2103-2107 N '63.

ELECTRONICS—BIBLIOGRAPHY see Bibliography—Electronics

ELECTRONICS IN MAIL SORTING see subdivision under Moscow

ELECTRONS

Determination of certain parameters of semiconducting materials by means of electron irradiation of p - n junctions. A. Shalpykov, F. M. Lobanov. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk no. 6 80-81 '61.

Electronic configuration of transactinide elements. V. M. Klechkov. Trudy. Dokl. TSKHA no. 17 117-155 '59.

Temperature redistribution of electrons in the outer conduction band of elements. T. I. Kakuchadze. Izv. vys. uchebn. zav. fiz. no. 3 113-119 '63.

ELECTRONS—CAPTURE

Effect of trapping levels on the lux-ampere characteristics of silicon. V. I. Afanas'ev and others. Fiz. tver. tela 5 no. 11 3179-3187 N '63.

Making allowance for excited states in recombination statistics. V. V. Voronkov. Fiz. tver. tela 5 no. 11 3130-3132 N '63.

ELECTRONS—EMISSION

Permeability of residual dielectric films on metal surfaces. P. N. Christiakov. Zhur. tekh. fiz. 33 no. 11 1305-1310 N '63.

Polarization properties of fast electron emission with oriented spin in a magnetic field. I. M. Ternov, V. G. Bagrov, R. A. Rzaev. Izv. vys. uchebn. zav., Fiz. no. 5 178-180 '63.

Simultaneous study of the electron emission and fluorescence of alkali halide crystals. P. A. Pipinis. Izv. vys. uchebn. zav., fiz. no. 5 105-109 '63.

Theory of the "potential" ion-electron emission. I. S. Pavlis. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk no. 6 78-80 '63.

ELECTRONS—SCATTERING

Electron relaxing power of conductivity electrons in the field of acoustical instability. V. P. Kalashnikov. Fiz. tver. tela 5 no. 11 3197-3200 O '63.

ELECTRONS—SPECTRA

Energy spectrum of electrons after passing through thin free metallic films. A. R. Shul'man, I. R. Kvicheva, R. I. Barabo. Fiz. tver. tela 5 no. 11 3318-3321 N '63.

ELECTROPHORESIS

Some data on electrophoretic study of blood protein fractions in children with tuberculosis [with summary in English]. N. IA. Rodionova. Pediatriia 41 no. 7 8-11 JI '63.

Treatment of pruritic dermatoses by nasal electrophoresis [with summary in English]. A. I. Rashina, A. IA. Bratkovskii. Vest. dermat. i ven. 37 no. 7 18-20 JI '63.

ELECTROPLATING

Electrodeposition of metals on titanium. G. K. Andrianovskaia and others. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5 823-828 '63.

Reduction potentials of metals on a mercury electrode. Part 2: Nature of overvoltage in the reduction of metals on a mercury electrode. V. P. Gladyshev. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5 762-767 '63.

Vereshchak, F. P. [Reconditioning motor-vehicle parts by electrolytic deposition] Vosstanovlenie avtomobil'nykh detalei gal'vanicheskim narashchivaniem. [n. p.] Rosvuzizdat, 1963. 33 p.

ELECTROPLATING—SAFETY MEASURES

Using foam polystyrene balls for the protection of the mirror of an electroplating bath from gassing. M. V. Alekseev. Mashinostroenie no. 6 58-59 N-D '63.

ELECTROSTRICTION

Electrostriction devices for producing minor mechanical displacements. M. M. Nekrasov, A. V. Samoilov. Avtom. i prib. no. 1 81-84 O-D '63.

ELECTROTHERAPEUTICS

Anesthesiological problems in electrostimulation of the heart [with summary in English]. A. P. Zil'ber. Vest. khir. 91 no. 7 57-60 JI '63.

Treatment of dysfunctional uterine hemorrhages in the climacteric by electrostimulation of the cervix uteri [with summary in English]. S. N. Davydov. Akush. i gin. 39 no. 1 33-36 JI-Ag '63.

Use of electrical stimulation of the heart in Morgagni-Adams-Stokes syndrome developing against a background of severe diabetes mellitus [with summary in English]. IU. I. Bredikis, M. G. Fridzon. Probl. endok. i gorm. 9 no. 5 85-86 S-O '63.

ELEMENTARY EDUCATION see Education, Elementary

ELEOSTEARIC ACID

Low-temperature catalytic conversions of organic compounds on clays. Report No. 4. Conversion of eleostearic acid. A. I. Bogomolov, L. I. Kholyntseva. Trudy VNIGRI no. 212. Geokhim. sbor. no. 9 66-76 '63.

ELEVATORS—MAINTENANCE AND REPAIR

Brodskii, M. G., I. M. Vishnevetskii, and IU. V. Greinad [Repair, operation, and modernization of elevators] Remont, ekspluatatsiia i modernizatsiia liftov. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 119 p.

ELISTA REGION—OAK

Use of tar water for scaring off suslik from acorns in steppe oak plantations. V. V. Strokov. Okhr. prir. i ozel. no. 3 113-115 '60.

ELISTA REGION—SUSLIKS

Use of tar water for scaring off susliks from acorns in steppe oak plantations. V. V. Strokov. Okhr. prir. i ozel. no. 3 113-115 '60.

ELLENDER, ALLEN JOSEPH, 1891-

A senator draws conclusions. V. Katin. Az i Ani sog. no. 12 16-17, 23 D '63.

ELUARD, PAUL, 1895-1952—BIBLIOGRAPHY see Bibliography—Eluard, Paul, 1895-1952

EMBEZZLEMENT
(see also subdivision under Balta District; Braslav District, Zhitomir Province)

Protect collective and state farms from the theft of property. M. V. Kafarov. Uchet i fin. v kolkhoz i sovkhoz. 20 no. 10 7-8 O '63.

We are trying to ensure the repayment of embezzled sums. S. Dmitrienko. Sots. zakon. 40 no. 9 35-36 S '63.

We must eliminate all possible ways to embezzle the wage funds. A. Larin. Sots. zakon. 10 no. 9 37-39 S '63.

With an empty sack. P. Kudriashev. Nar. khoz. Kazakh. 21 no. 9 68-70 S '63.

EMBOLISM

Amniotic fluid embolism, associated afibrinogenemia and acute renal insufficiency [with summary in English]. G. E. Gotman, E. M. Ilusim. Akush. i gin. 39 no. 1 85-89 JI-Ag '63.

Recurrent embolism of the popliteal artery. M. P. Vilianskii, N. V. Kalgorodova. Vest. khir. 90 no. 6 120-121 Je '63.

Thromboses and embolisms in the preoperative and postoperative period. M. P. Beltaev. Vest. khir. 90 no. 6 130-132 Je '63.

EMBRYOLOGY

Morphological changes in the chorion-allantoid membrane of chick embryos in blood cultures from leukemia patients. O. I. Voronkova and others. Vop. klin. pat. no. 2 263-271 '61.

EMBRYOLOGY—AMPHIBIA

Time for determining the position of fission grooves in the eggs of sturgeon and axolotl. A. I. Zotin, R. V. Pagnaeva. Dokl. AN SSSR 152 no. 3 765-768 S '63.

EMBRYOLOGY—BIRDS

Septic inflammation at different stages of ontogenesis in chicks [with summary in English]. A. K. Dondua, L. V. Tilling. Vest. LGU 18 no. 21 3-11 '63.

EMBRYOLOGY—CONGRESSES

Vsesoiuznyi s"ezd anatomov, gistologov, i embriologov. 6th, Kiev, 1958. [Transactions of the Sixth All-Union Congress of Anatomists, Histologists and Embryologists] Trudy. Khar'kov, M-vo zdravookhraneniia SSSR.
Vol. 2. 1961. 791 p.

EMBRYOLOGY—FISHES

Informational ribonucleic acid at early stages of the development of the embryos of the loach (Misgurnus fossilis). N. V. Belitsina and others. Dokl. AN SSSR 153 no. 2 464-467 N '63.

Time for determining the position of fission grooves in the eggs of sturgeon and axolotl. A. I. Zotin, R. V. Pagnaeva. Dokl. AN SSSR 152 no. 3 765-768 S '63.

EMBRYOLOGY—INVERTEBRATES

Use of tryptamine derivatives for studying the role of 5-oxytryptamine (serotonin) in the embryonic development of invertebrates. G. A. Buznikov. Dokl. AN SSSR 152 no. 5 1270-1272 O '63.

EMBRYOLOGY, HUMAN

Biological determination of hypophyseal luteinizing gonadotropin in human embryogenesis. S. E. Levina, E. A. Ivanova. Dokl. AN SSSR 153 no. 2 493-496 N '63.

Falin, L. I. [Histology and embryology of the oral cavity and the teeth] Gistologiia i embriologiia polosti rta i zubov. Moskva, Medgiz, 1963. 218 p.

EMINENT DOMAIN

Answering our readers' questions. Sov. iust. no. 18 31-32 S '63.

EMPHYSEMA

Development of subcutaneous emphysema after delivery. G. V. Bondarchuk. Akush. i gin. 39 no. 1 128 JI-Ag '63.

EMPLOYEES, DISMISSAL OF
(see also subdivision under Leningrad)

Decision of the higher judicial organizations in cases concerning the wrongful dismissal of employees. V. E. Smukhin. Vest. sviazi 22 no. 11 31-32 N '62.

Dismissal of persons who were released on parole or placed in the custody of workers. N. Gudimov, G. Kushnarov. Sots. zakon. 40 no. 9 53-54 S '63.

Important explanations of the Supreme Court of the R. S. F. S. R. A. E. Sots. trud. 8 no. 10 115-120 O '63.

Should we approve of this position of the Supreme Court of the White Russian S. S. R.? A. Zlotnikov. Sots. zakon. 40 no. 9 55 S '63.

EMPLOYEES REPRESENTATION IN MANAGEMENT see subdivision under Kemerovo Province

EMPLOYERS' LIABILITY

Amendments and supplements to the rules on compensation by institutions and organizations to workers and employees for injuries or other health damages sustained in connection with their work. Regulation No. 276/P-20 September 3, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the Presidium of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po. op. truda i zar. plat. no. 10 9-10 '63.

Compensation for health damages sustained in connection with the work. L. Lerer, M. Eliseenkova. Sots. trud. 8 no. 10 128-139 O '63.

EMPYEMA

Contemporary tactics of pediatricians and surgeons in treating empyema in children. I. P. Bakulis, J. K. Gaujens. Pediatriia 41 no. 7 38-40 JI '63.

Indications for extensive thoracoplasty in tuberculous pleural empyema [with summary in French]. S. A. Gavrilov. Probl. tub. 40 no. 6 43-48 '62.

EMULSIONS

Degree of dispersion of an emulsion of etching solution. L. N. Petrov. Poligr. proizv. no. 11 14-15 N '63.

EMULSIONS, PHOTOGRAPHIC see Photographic Emulsions

ENAMEL, DENTAL

Morphological changes in the dentin and enamel of teeth in parodentosis. G. B. Lebedeva and others. Teor. i prak. stom. no. 5 144-149 '61.

ENCEPHALITIS
(see also subdivision under White Russia)

Dynamics of the accumulation of virus-neutralizing antibodies in patients with various clinical forms of tick-borne encephalitis [with summary in English]. E. A. Barkova, V. P. Ierusalimskii. Vop. virus. 8 no. 2 189-193 Mr-Ap '63.

Petrishcheva, P. A., E. N. Levkovich, and S. T. Boldyrev. [Japanese encephalitis] Iaponskii entsefalit. Moskva, Medgiz, 1963. 178 p. (Biblioteka prakticheskogo vracha)
(DNLM)

Study of the infection of ticks, encephalitis carriers, by the method of bioassay. V. N. Beklemishev. Vop. virus. 8 no. 2 240-242 Mr-Ap '63.

Use of the hemagglutination inhibition reaction in the diagnosis of tick-borne encephalitis and in the detection of the immunological structure of the population in pseudo-foci [with summary in English]. IU. M. TSirkin, F. V. Krasovskii, V. V. Kuliabko. Med. paraz. i paraz. bol. 32 no. 5 567-572 S-O '63.

ENCEPHALITIS VIRUSES

Optimum conditions of pH and temperature for the hemagglutination reaction with the virus of Japanese encephalitis cultivated in tissues in vitro [with summary in English]. Duan Suan-myou. Vop. virus. 8 no. 2 176-180 Mr-Ap '63.

Standardization of conditions for inhibition of the hemagglutination reaction with noninfectious antigen of the virus of tick-borne encephalitis [with summary in English]. A. I. Rezepova. Vop. virus. 8 no. 2 180-184 Mr-Ap '63.

ENCYCLOPEDIAS AND DICTIONARIES

Bol'shaia Sovetskaia Entsiklopediia. [The 1963 yearbook of the Great Soviet Encyclopedia] Ezhegodnik, 1963. Red. kollegiia: A. A. Arzumanian i dr. Glav. red. L. S. Shaumian. [Moskva] Gos. nauchn. izd-vo "Sovetskaia Entsiklopediia." [1963] 589 p.

Let us create a marine encyclopedia. N. Grachev. Mor. flot 23 no. 11 43 N '63.

ENCYCLOPEDIAS AND DICTIONARIES, UKRAINIAN

Pamva Berynda's dictionary. H. I. Koliada. Rad. lit. no. 6 135-138 N-D '63.

[Soviet Ukrainian Encyclopedia] Ukrains'ka Radians'ka Entsiklopediia. Holovna red. kolegiia: M. P. Bazhan ta inshi. Kyiv, Akad. nauk URSR.
Vol. 13. Svitliakovi - Spodumen. [1963] 563 p.

ELECTRONIC ANALOG COMPUTERS (Continued)

Electron model of a marine gas turbine plant. B. P. Bichaev, V. M. Zelenin. Sudostroenie 29 no. 10 26-28 O '63.

Modeling of synchronous machines using electronic analog computers. [U. F. Gurevich, Z. G. Khoshchinskaia. Trudy VNIIE no. 5 72-96 '63.

Nonlinearity of voltage to time-interval conversion in digital measuring systems. M. A. Zemel'man. Izm. tekh. no. 10 37-43 O '63.

ELECTRONIC APPARATUS AND APPLIANCES

Calculation of the placement of the KRB-122 blocking device. A. K. Merzhanov. Izv. vys. ucheb. zav., energ. 6 no. 9:14-22 S '63.

Electronic relays of the Time Service at the Pulkovo Observatory [with summary in English]. V. A. Vytnov Izv. GAO 23 no. 1 117-120 '62.

Machines for electron-beam welding. Mashinostroenie no. 5 117-118 S-O '63.

Multichamber spark gap as an element of a strobotron circuit for use in high-speed photography. V. P. Zhil'tsov, E. Kh. Slutskin. Prib. i tekh. eksp. 8 no. 1 132-135 Ja-F '63.

ELECTRONIC CIRCUITS

Calculation of the output power of a detector with almost real characteristics during simultaneous signal and noise detection. A. S. Protopopov. Radiotekh. i elektron. 8 no. 12:2021-2033 D '63.

Current discriminators on tunnel diodes. B. N. Kononov, V. S. Sidorov, V. F. Leonov. Prib. i tekh. eksp. 8 no. 5 103-106 S-O '63.

A transistorized scaler. A. A. Agafontsev. Prib. i tekh. eksp. 8 no. 5:106-109 S-O '63.

Use of single-terminal pairs containing a tunnel diode and a transistor in computer units [with summary in English]. N. I. Ashbel', I. S. Emel'ianova, L. V. Postnikov. Izv. vys. ucheb. zav., radiofiz. 6 no. 4 833-839 '63.

ELECTRONIC COMPUTERS

(see also subdivision under Alma-Ata Province, Noril'sk, United States)

The ABC's of calculating machines. Tekh. mol. 31 no. 11:25 '63.

Concerning A. I. Petrenko's report "Composition of a problem using a model." A. F. Verlan'. Izv. vys. ucheb. zav.; elektromekh. 6 no. 9:1126 '63.

Correction of separate erasure packs using block codes. E. L. Blokh, O. V. Popov. Probl. peredach. inform. no. 14 101-112 '63.

Electric calculating device for formulas of terrestrial stereoscopic surveying. A. S. Kisilitsyn, G. P. Kudriavtsev. Trudy MIIZ no. 10:157-162 '60.

Ferrites with rectangular hysteresis loops for electronic-physical apparatus. S. D. Baikov and others. Mnogokan. izm. sist. v iad. fiz. no. 5:158-164 '63.

For a wider use of electronic calculating machines in accounting. V. Isakov. Bukhg. uchet 20 no. 9:1-8 S '63.

Generator of random voltages of subsonic frequencies with any distribution law and a controlled spectrum. F. V. Zvorygin, V. M. Tomashov, O. A. Khokhel'. Avtom. i prib. no. 4:71-76 O-D '63.

Here it is, cybernetics. Leonid Sharoi'. Ogonek 41 no. 43:14-16 O '63.

Introduce cybernetics to agriculture. B. Pavlov. NTO 5 no. 11 6-9 N '63.

Kaiumov, A. M. [Methods and means of control in digital and control computers] Metody i sredstva kontrolia v elektronnykh tsifrovykh vychislitel'nykh i upravliaiushchikh mashinakh. Leningrad, 1963, 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Pribory i elementy avtomatiki, no. 3)

Mathematical methods and electronic computers used in the planning of petroleum refining. K. A. Amiragov. Za tekh. prog. 3 no. 10 45-48 O '63.

Programming control device using transistors with PPG units. S. S. Kurochkin, A. F. Belov. Mnogokan. izm. [illegible] 142-150 '63.

ELECTRONIC COMPUTERS—CIRCUITS

Chesnokov, A. A. [Operational amplifiers] Reshaiushchie usiliteli. Moskva, Gosenergoizdat, 1963. 62 p. (Biblioteka po avtomatike, no. 78)

ELECTRONIC COMPUTERS—CONGRESSES

Conference on the use of electronic calculating machines in accounting, planning and statistical work. Bukhg. uchet 20 no. 9:70-71 S '63.

ELECTRONIC COMPUTERS—INPUT-OUTPUT EQUIPMENT

Transistorized information output device for operation with punched tape. S. S. Kurochkin. Mnogokan. izm. sist. v iad. fiz. no. 5 165-170 '63.

ELECTRONIC COMPUTERS—MEMORY SYSTEMS

Closed trajectories in recirculating memory systems without information shift. M. IA. Lingorin. Izv. vys. ucheb. zav., radiofiz. 6 no. 1 858-860 '63.

Multidimensional analyzers. S. S. Kurochkin. Mnogokan. izm. sist. v iad. fiz. no. 5:3-26 '63.

Testing system for an operational memory device. A. IA. Zubalenko. Avtom. i prib. no. 4, 10-11 O-D '63.

ELECTRONIC COMPUTERS—TERMINOLOGY

Problems of terminology and classification in computer engineering systems. K. A. Sapozhkov. Izv. LETI no. 47 181-191 '62.

ELECTRONIC CONTROL

Automatic control of the dissolving of salt. V. A. Vulikhman. Avtom. i prib. no. 1:13-11 O-D '63.

Automatic looping control system for wire mills. V. P. Izotov, IU. K. Fedosenko. Avtom. i prib. no. 4:8-10 O-D '63.

Counting circuits in the control of machine tools and automatic lines. IU. N. Ivenskii, A. G. Tuller, G. L. Efper. Stan. i instr. 34 no. 11:7-10 N '63.

Flame regulating device. B. P. Fridman. Priborostroenie no. 11 25-26 N '63.

Functional summing unit equipped with condensers for multiplexing channels by the frequency method. M. A. Gadzhiev. Za tekh. prog. 3 no. 7.1-3 Jl '63.

Reducing output-signal pulsations of the L-2D converter in the EAUS system. V. M. Gorobchuk, V. L. Semikin. Avtom. i prib. no. 1:68-70 O-D '63.

Relay units for the automation of conveyor lines. I. M. Moshek, I. B. Gorinovich. Avtom. i prib. no. 1:20-21 O-D '63.

Synthesis of discrete controlling devices on the basis of systems of equations of algebra of logic with delayed arguments [with summary in English]. M. IA. Lingorin. Izv. vys. ucheb. zav., radiofiz. 6 no. 1:810-832 '63.

ELECTRONIC DATA PROCESSING

Algebraic operations with frequency-pulsed information. R. G. Kanpov. Avtom. i prib. no. 1:13-17 O-D '63.

Decoding of conflicting signals in a noncontact telemechanic device for natural gas fields. A. G. Bashkirev, V. S. Romashkan, D. A. Fridshtand. Avtom. i prib. no. 1:58-60 O-D '63.

Functional graph converter with a vidicon. V. G. Abakumov, A. I. Petrenko, S. V. Denbnovetskii. Avtom. i prib. no. 1:47-51 O-D '63.

Konferentsiia po obrabotke informatsii, mashinnomu perevodu i avtomaticheskomu chteniiu teksta. [Reports of the Conference on Data Processing, Machine Translation, and Automatic Reading] Doklady. Moskva, Akad. nauk SSSR.
Nos. 3, 5, II. 1961.

New fields in the automation of processes of mental work. V. I. Loskutov. Mekh. i avtom. proizv. 17 no. 10:40-43 O '63.

New occupation of the electronic brain. V. Rybal'skyi, V. Sadovs'kyi. Nauka i zhyttia 13 no. 10:4-5 N '63.

Using electronic computers for calculations. I. Zinger, N. Lapshin. Plan. khoz. 40 no. 11:28-31 N '63.

ELECTRONIC DATA PROCESSING—CONGRESSES

Conference on using electronic calculating machines in accounting, planning, and statistical work. I. Skobenn[illegible] Sots. trud 8 no. 10:143-146 O '63.

DATA PROCESSING—CONSTRUCTION IN-

, A., and IU. N. Birin. [Use computing i construction] Vychislitel'nuiu tekhniku — stroitel'stvu. Moskva, Gosstroizdat, 1963.

he calculation of structures on key automes. P. Sosis. Prom. stroi. i inzh. soor. 8 S-O '63.

DATA PROCESSING—ICE RESEARCH

ethod for calculating the thickness and temice. IU. P. Doronin. Probl. Arkt. i Antark. 3 '63.

DIFFERENTIAL ANALYZERS

tor with two semiconductor keys. V. I. Gon. i prib. no. 4:60-62 O-D '63.

DIGITAL COMPUTERS

f thermal processes in an electrical maan electronic digital computer. I. P. Bo-Ivanov. Izv. vys. ucheb. zav.; elektromekh. 6-1049 '63.

Gavrilenko, E. T. [Command systems of the "Ural-2" and "Ural-4" universal digital computers] Sistemy komand universal'nykh tsifrovykh elektronnykh vychislitel'nykh mashin "Ural-2" i "Ural-4." Moskva, Vychislitel'nyi tsentr AN SSSR, 1963. 96 p. (Akademiia nauk SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy dlia mashin "Ural," no. 1)

Investigating the reliability of the "Dnipro" multipurpose control computer. B. N. Malinov [illegible] Avtom. i prib. no. 4, 52-56 O-D '63.

Kliamko, E. I. [Network and test control for automatic digital computers] Skhemnyi i testovyi kontrol' avtomaticheskikh tsifrovykh vychislitel'nykh mashin. Ed. red. A. I. Kitova. Moskva, Sovetskoe radio, 1963. 191 p.

Machine algorithms for the calculation of coordinates of sun and stars on electronic digital computers used in navigation. K. N. Denisov, V. D. [illegible] nov. Trudy TSNIIMI 8 no. 17-21-81 '63.

Matov, V. I., and others. [Digital computer for use] Uchebnaia tsifrovaia vychislitel'naia [illegible] Moskva, Gosenergoizdat, 1963. 127 p. (Biblioteka po avtomatike, no 84)

Measurement converters with galvanically [illegible] put and output. V. S. Verkhovtsev and others. [illegible] i prib. no. 1 78-81 O-D '63.

"Minsk-1." N. Panchulin, E. Maliavko. [illegible] 22 no. 10 60 O '63.

Solving a general problem of approximation by [illegible] of steepest descents. F. B. Petlin, V. M. [illegible] Zav. lab. 29 no. 10:1221 '63.

Transistor control of digital presentation [illegible] Raikin. Avtom. i prib. no. 1:10-11 O-D '63.

Two-stage commutator for automatic data input [illegible] tal control computers. A. S. Podatov, R. V. [illegible] E. I. Shpirt, Avtom. i prib. no. 1:30-33 O-D '63.

Volgin, L. N. [Elements of the theory of control machines] Elementy teorii upravliaiushchikh mashin. Moskva, Sovetskoe radio, 1962. 155 p. (CSt mcR)

ELECTRONIC DIGITAL COMPUTERS—MEMORY SYSTEMS

Passive memory device for symbol [illegible] computers. A. M. Zinchenko. Avtom. [illegible] 39 O-D '63.

ELECTRONIC DIGITAL COMPUTERS—PROGRAMMING

Method for the realization of the extracode of special-purpose electronic digital computers for solution of a specific class of logical problems. [illegible] tukhova, IU. G. Zaretin, V. T. Mu[illegible] no. 1:26-30 O-D '63.

ELECTRONIC INDUSTRIES—QUALITY CONTROL

Berg, A. I. [Cybernetics and reliability] [illegible] nadezhnost'. Moskva, Izd-vo "Znanie," [illegible] (Novoe v zhizni, nauke, tekhnike. IV [illegible] no. 21)

ELECTRONIC INSTRUMENTS

(see also subdivision under France, Japan)

Attachment to the EPP-09 electronic [illegible] uring and recording changes of [illegible] conductivity. B. A. Lopatin. Zav. lab. [illegible] 1389 '63.

Automatic error compensator for the weighing batcher. M. M. Ivakimenko. Izm. tekh. [illegible] O '63.

Device for measuring frequency error [illegible] ance. G. A. Alekseev, IU. A. Sergunin. [illegible] no. 1:70-74 O-D '63.

Inconvenience of the operation and repair of instruments. V. S. Malov. Priborostroenie [illegible] 32 N '63.

Stand for testing radioisotope density [illegible] Klempner, I. M. Cherednichenko. Izm. [illegible] 48-50 N '63.

ELECTRONIC MEASUREMENTS

Microprogram control in measuring systems. Kurochkin. Mnogokan. izm. sist. v iad. [illegible] 142 '63.

New diagram for oscillographic recording [illegible] cuit currents. IU. M. Elkind. Trudy Vse[illegible] 204-210 '63.

Programming control device using transistor PPG units. S. S. Kurochkin, A. F. Belov. [illegible] izm. sist. v iad. fiz. no. 5:143-150 '63.

ELECTRONIC MEASUREMENTS—STUDY AND TEACHING

Rozenberg, N. M. [Teaching work with electronic measuring instruments in secondary schools] Obuchenie rabote s elektronnoi izmeritel'noi apparaturoi v [illegible] shkole. Moskva, Izd-vo APN RSFSR, 1963. [illegible] (Biblioteka politekhnicheskogo obucheniia)

ELECTRONIC PHOTOGRAPHY see Photography, Electronic

ELECTRONICS

All-Union session of the A. S. Popov Scientific [illegible] cal Society of Radio and Electronics [illegible] day." Radiotekhnika 18 no. 10 75-80 [illegible]

ELECTRONICS (Continued)

...ing Promyshlennaia elektronika. M. Likhachev. Radio ... 63.

Brantov, S.G. [Industrial electronics] Promyshlennaia elektronika. Moskva, Gosenergoizdat, 1963. 368 p.

Electronic-mechanical procedures for conducting experiments in the study of ions slowed down in high vacuum. Radiotekh. i elektron. 8 no. 12:2102-2105 D '63.

ELECTRONICS—BIBLIOGRAPHY see Bibliography—Electronics

ELECTRONICS IN MAIL SORTING see subdivision under Moscow

ELECTRONS

Determination of certain parameters of semiconducting materials by means of electron irradiation of p - n junctions. A. Shalpykov, K. M. Lobanov. Izv. AN Uz SSR. Ser. fiz.-mat. nauk no. 6:80-81 '61.

Electronic configuration of transactinide elements. V. M. Klechkovskii. Dokl. AN SSSR no. 147:117-155 '59.

Temperature redistribution of electrons in the outer conduction band of elements. T. I. Kakachadze. Izv. vyss. ucheb. zav.; fiz. no. 3:113-119 '63.

ELECTRONS—CAPTURE

Effect of trapping levels on the lux-ampere characteristics of n-silicon. V. K. Afanas'ev and others. Fiz. tver. tela 5 no. 11:3179-3181 N '63.

Making allowance for excited states in recombination statistics. V. V. Voronkov. Fiz. tver. tela 5 no. 11:3130-3142 N '63.

ELECTRONS—EMISSION

Detectability of residual dielectric films on metal surfaces. P. N. Chistiakov. Zhur. tekh. fiz. 33 no. 11:1296-1300 N '63.

Multiplication properties of field electron emission with oriented spin in a monocrystalline field. L. M. Ternov, V. G. Bagrov, R. V. Rafeev. Izv. vyss. ucheb. zav.; fiz. no. 5:127-130 '63.

Simultaneous observation of the electron emission and fluorescence of alkali halide crystals. P. V. Pipinis. Izv. vyss. ucheb. zav.; fiz. no. 5:195-197 '63.

Theory of the "potential" ion-electron emission. E. S. Parilis. Izv. AN Uz. SSR Ser. fiz.-mat. nauk no. 6:78-80 '63.

ELECTRONS—SCATTERING

Electron retarding power of conductivity electrons in the field of acoustical instability. V. P. Kalashnikov. Fiz. met. i metalloved. 16 no. 3:497-500 O '63.

ELECTRONS—SPECTRA

Energy spectrum of electrons after passing through thin free metallic films. A. R. Shul'man, L. R. Kunicheva, B. I. Burzdo. Fiz. tver. tela 5 no. 11:3338-3341 N '63.

ELECTROPHORESIS

Some data on electrophoretic study of blood protein fractions in children with tuberculosis [with summary in English]. N. IA. Rudkovna. Pediatriia 41 no. 7:8-11 Jl '63.

Treatment of paralytic dermatoses by nasal electrophoresis [with summary in English]. A. I. Rashina, A. IA. Brailovskii. Vest. derm. i ven. 37 no. 7:16-20 Jl '63.

ELECTROPLATING

Electrodeposition of metals on titanium. I. K. Andrushchenko and others. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:823-828 '63.

Reduction potentials of metals on a mercury electrode. Part 2: Nature of overvoltage in the reduction of metals on a mercury electrode. V. P. Gladyshev. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:762-767 '63.

Vorob'ichak, I. P. [Reconditioning motor-vehicle parts by electrolytic deposition] Vosstanovlenie avtomobil'nykh detalei gal'vanicheskim narashchivaniem. [n. p.] Rostovizdat, 1963. 33 p.

ELECTROPLATING—SAFETY MEASURES

Using foam polystyrene balls for the protection of the mirror of an electroplating bath from gassing. M. V. Alekseev. Mashinostroenie no. 6:58-59 N-D '63.

ELECTROSTRICTION

Electrostriction devices for producing minor mechanical displacements. M. M. Nekrasov, A. V. Samoilov. Avtom. i prib. no. 4:81-84 O-D '63.

ELECTROTHERAPEUTICS

Anesthesiological problems in electrostimulation of the heart [with summary in English]. A. P. Zil'ber. Vest. khir. 91 no. 7:57-60 Jl '63.

Treatment of dysfunctional uterine hemorrhages in the climacteric by electrostimulation of the cervix uteri [with summary in English]. S. N. Davydov. Akush. i gin. 39 no. 4:33-38 Jl-Ag '63.

Use of electrical stimulation of the heart in Morgagni-Adams-Stokes syndrome developing against a background of severe diabetes mellitus [with summary in English]. IU. I. Bredikis, M. G. Fridzon. Probl. endok. i gorm. 9 no. 5:85-88 S-O '63.

ELEMENTARY EDUCATION see Education, Elementary

ELEOSTEARIC ACID

Low-temperature catalytic conversions of organic compounds on clays. Report No. 4. Conversion of eleostearic acid. A. L. Bogomolov, L. L. Khotyntseva. Trudy VNIGRI no. 212. Geokhim. sbor. no. 9:66-76 '63.

ELEVATORS—MAINTENANCE AND REPAIR

Brodskii, M. G., I. M. Vishnevetskii, and IU. V. Greiman. [Repair, operation, and modernization of elevators] Remont, ekspluatatsiia i modernizatsiia liftov. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963 119 p.

ELISTA REGION—OAK

Use of tar water for scaring off suslik from acorns in steppe oak plantations. V. V. Strokov. Okhr. prir. i ozel. no. 3:113-115 '60.

ELISTA REGION—SUSLIKS

Use of tar water for scaring off susliks from acorns in steppe oak plantations. V. V. Strokov. Okhr. prir. i ozel. no. 3:113-115 '60.

ELLENDER, ALLEN JOSEPH, 1891-

A senator draws conclusions. V. Katin. Az. i Afr. seg no. 12:16-17, 23 D '63.

ELUARD, PAUL, 1895-1952—BIBLIOGRAPHY see Bibliography—Eluard, Paul, 1895-1952

EMBEZZLEMENT
(see also subdivision under Baltia District; Braslav District, Zhitomir Province)

Protect collective and state farms from the theft of property. M. A. Kafarov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:7-8 O '63.

We are trying to ensure the repayment of embezzled sums. S. Dmitrienko. Sots. zakon. 40 no. 9:35-36 S '63.

We must eliminate all possible ways to embezzle the wage funds. V. Larin. Sots. zakon. 10 no. 9:37-39 S '63.

With an empty sack. P. Kudriashev. Nar. khoz. Kazakh. 21 no. 9:68-70 S '63.

EMBOLISM

Amniotic fluid embolism, associated afibrinogenemia and acute renal insufficiency [with summary in English]. G. E. Gofman, E. M. IUsim. Akush. i gin. 39 no. 4:85-89 Jl-Ag '63.

Recurrent embolism of the popliteal artery. M. P. Vilianskii, N. V. Kaigorodova. Vest. khir. 90 no. 6:120-121 Je '63.

Thromboses and embolisms in the preoperative and postoperative period. M. P. Belinev. Vest. khir. 90 no. 6:130-132 Je '63.

EMBRYOLOGY

Morphological changes in the chorion-allantoid membrane of chick embryos in blood cultures from leukemia patients. O. I. Voronkova and others. Vop. klin. pat. no. 2:263-271 '61.

EMBRYOLOGY—AMPHIBIA

Time for determining the position of fission grooves in the eggs of sturgeon and axolotl. A. I. Zotin, R. V. Pagnaeva. Dokl. AN SSSR 152 no. 3:765-768 S '63.

EMBRYOLOGY—BIRDS

Septic inflammation at different stages of ontogenesis in chicks [with summary in English]. A. K. Dondua, L. V. Tilling. Vest. LGU 18 no. 21:5-11 '63.

EMBRYOLOGY—CONGRESSES

Vsesoiuznyi s"ezd anatomov, gistologov, i embriologov. 6th, Kiev, 1958. [Transactions of the Sixth All-Union Congress of Anatomists, Histologists and Embryologists] Trudy. Khar'kov, M-vo zdravookhraneniia SSSR.
Vol. 2 1961. 791 p.

EMBRYOLOGY—FISHES

Informational ribonucleic acid at early stages of the development of the embryos of the loach (Misgurnus fossilis). N. V. Belitsina and others. Dokl. AN SSSR 153 no. 2:464-467 N '63.

Time for determining the position of fission grooves in the eggs of sturgeon and axolotl. A. I. Zotin, R. V. Pagnaeva. Dokl. AN SSSR 152 no. 3:765-768 S '63.

EMBRYOLOGY—INVERTEBRATES

Use of tryptamine derivatives for studying the role of 5-oxytryptamine (serotonin) in the embryonic development of invertebrates. G. A. Buznikov. Dokl. AN SSSR 152 no. 5:1270-1272 O '63.

EMBRYOLOGY, HUMAN

Biological determination of hypophyseal luteinizing gonadotropin in human embryogenesis. S. E. Levina, E. A. Ivanova. Dokl. AN SSSR 153 no. 2:493-496 N '63.

Falin, L. I. [Histology and embryology of the oral cavity and the teeth] Gistologiia i embriologiia polosti rta i zubov. Moskva, Medgiz, 1963. 216 p.

EMINENT DOMAIN

Answering our readers' questions. Sov. iust. no. 18:31-32 S '63.

EMPHYSEMA

Development of subcutaneous emphysema after delivery. G. V. Bondarchuk. Akush. i gin. 39 no. 1:128 Jl-Ag '63.

EMPLOYEES, DISMISSAL OF
(see also subdivision under Leningrad)

Decision of the higher judicial organizations in cases concerning the wrongful dismissal of employees. V. E. Smukhin. Vest. sviazi 22 no. 11:31-32 N '62.

Dismissal of persons who were released on parole or placed in the custody of workers. N. Gudimov, G. Kushnirov. Sots. zakon. 40 no. 9:53-54 S '63.

Important explanations of the Supreme Court of the R S F S R. A. I. Sots. trud 8 no. 10:115-120 O '63.

Should we approve of this position of the Supreme Court of the White Russian S S R? A. Zlotnikov. Sots. zakon. 10 no. 9:55 S '63.

EMPLOYEES REPRESENTATION IN MANAGEMENT see subdivision under Kemerovo Province

EMPLOYERS' LIABILITY

Amendments and supplements to the rules on compensation by institutions and organizations to workers and employees for injuries or other health damages sustained in connection with their work. Regulation No. 276/P-20, September 3, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U S S R and the Presidium of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po trud. i zar. platy no. 10:9-10 '63.

Compensation for health damages sustained in connection with the work. L. Lerer, M. Eliseenkova. Sots. trud 8 no. 10:129-139 O '63.

EMPYEMA

Contemporary tactics of pediatricians and surgeons in treating empyema in children. I. P. Bakulin, J. K. Gaujens. Pediatriia 41 no. 7:38-40 Jl '63.

Indications for extensive thoracoplasty in tuberculous pleural empyema [with summary in French]. S. A. Gavrilov. Probl. tub. 40 no. 6:43-48 '62.

EMULSIONS

Degree of dispersion of an emulsion of etching solution. L. N. Petrov. Poligr. proizv. no. 11:14-15 N '63.

EMULSIONS, PHOTOGRAPHIC see Photographic Emulsions

ENAMEL, DENTAL

Morphological changes in the dentin and enamel of teeth in paradentosis. G. B. Lebedeva and others. Teor. i prak. stom. no. 5:114-119 '61.

ENCEPHALITIS
(see also subdivision under White Russia)

Dynamics of the accumulation of virus-neutralizing antibodies in patients with various clinical forms of tick-borne encephalitis [with summary in English]. E. A. Barkova, A. P. Ierusalimskii. Vop. virus 8 no. 2:189-193 Mr-Ap '63.

Petrishcheva, P. A., E. N. Levkovich, and S. T. Boldyrev. [Japanese encephalitis] Iaponskii entsefalit. Moskva, Medgiz, 1963. 178 p. (Biblioteka prakticheskogo vracha)
(DNLM)

Study of the infection of ticks, encephalitis carriers, by the method of bioassay. V. N. Beklemishev. Vop. virus 8 no. 2:240-242 Mr-Ap '63.

Use of the hemagglutination inhibition reaction in the diagnosis of tick-borne encephalitis and in the detection of the immunological structure of the population in pseudo-foci [with summary in English]. IU. M. TSitkin, F. V. Krasovskii, V. V. Kuliabko. Med. paraz. i paraz. bol. 32 no. 5:567-572 S-O '63.

ENCEPHALITIS VIRUSES

Optimum conditions of pH and temperature for the hemagglutination reaction with the virus of Japanese encephalitis cultivated in tissues in vitro [with summary in English]. Duan Suan-myou. Vop. virus 8 no. 2:176-180 Mr-Ap '63.

Standardization of conditions for inhibition of the hemagglutination reaction with noninfectious antigen of the virus of tick-borne encephalitis [with summary in English]. A. I. Rezepova. Vop. virus 8 no. 2:180-184 Mr-Ap '63.

ENCYCLOPEDIAS AND DICTIONARIES

Bol'shaia Sovetskaia Entsiklopediia. [The 1963 yearbook of the Great Soviet Encyclopedia] Ezhegodnik, 1963. Red. kollegiia: A. A. Arzumanian i dr. Glav. red. L. S. Shaumian. [Moskva] Gos. nauchn. izd-vo "Sovetskaia Entsiklopediia." [1963] 589 p.

Let us create a marine encyclopedia. N. Grachev. Mor. flot 23 no. 11:43 N '63.

ENCYCLOPEDIAS AND DICTIONARIES, UKRAINIAN

Panova Berynda's dictionary. H. I. Koliada. Rad. lit. no. 6:135-138 N-D '63.

[Soviet Ukrainian Encyclopedia] Ukrains'ka Radians'ka Entsiklopediia. Holovna red. kolegiia M. P. Bazhan ta inshi. Kyiv, Akad. nauk URSR
Vol. 13. Svitliakovi - Spodumen. [1963] 563 p.

ENDOCARDITIS

Diagnostic value of antistreptokinase in rheumatic fever, chronic tonsillitis and protracted septic endocarditis [with summary in English]. V.N. Latysh. Vrach. delo no.11:15-20 N '63

Suppurative peritonitis as a complication of spleen infarction in septic endocarditis. V.I. Reikhel', D.M. Liberzon. Pediatriia 41 no.7,71-72 Jl '63.

ENDOCRINOLOGICAL RESEARCH see subdivision under White Russia

ENDOCRINOLOGY

Concerning V.M. Dil'man's reply to the reviewers. Probl. endok. i gorm. 9 no.5,123-124 S-O '63.

Effect of endocrine gland reception on higher nervous activity and on its possible participation in mental disorders of endocrine origin [with summary in English]. P.M. Kaplan, M.M. Turubinel. Probl. endok. i gorm. 9 no. 5:49-54 S-O '63.

Pneumogynecography in endocrine diseases. M.I. Santotskii and others. Probl. endok. i gorm. 9 no. 5: 97-100 S-O '63.

Reply to reviewers V.G. Baranov and A.M. Raskin. V.M. Dil'man. Probl. endok. i gorm. 9 no.5:120-123 S-O '63.

ENDOCRINOLOGY—CONGRESSES

Problems of Surgery on the Endocrinal Glands at the 41st Congress of Polish Surgeons. O.V. Nikolaev. Khirurgiia 39 no.7:144-149 Jl '63.

ENDOMETRIOSIS

Role of atypical endometrial changes (the Arias-Stella reaction) in the diagnosis of disorders in extrauterine pregnancy [with summary in English]. O.I. Topchieva. Akush. i gin. 39 no.4:19-22 Jl-Ag '63.

ENDOMETRIUM—TUBERSULOSIS

Diagnosis and therapy of some forms of amenorrhea [with summary in English]. M.N. Skorniakova. Akush. i gin. 39 no.4:29-33 Jl-Ag '63.

ENDOSCOPY

Diagnostic value of laparoscopy [with summary in English]. N.N. Kher'kovskii. Klin. med. 41 no.7:71-76 Jl '63.

ENERGY BINDING see Binding energy

ENERGY METABOLISM

Energy expenditure during the motion of prawns [with summary in English]. V.S. Ivlev. Zool. zhur. 42 no.10:1465-1471 '63.

ENGELS, FRIEDRICH, 1820-1895

F. Engels' development as the military theorist of the proletariat. E. TSvetaev. Voen.-ist. zhur. 5 no.11: 106-112 N '63.

Military historical problems of volumes 15-22 of the second edition of the works of K. Marks and F. Engels. L. Gol'man. Voen.-ist. zhur. 5 no.11:90-99 N '63.

ENGINEERING—PERIODICALS

Journal "Mekhanizatsiia i avtomatizatsiia proizvodstva." Izm. tekh. no.11,60 N '63.

ENGINEERING EXPERIMENT STATIONS

The 30th anniversary of the Experimental Research Institute of Machine Tools (ENIMS). A.A. Padogin. Stan. i instr. 34 no.11:38-39 N '63.

ENGINEERING GEOLOGY

(see also subdivision under Armenia; Bratsk Reservoir region; Krivoy Rog Basin; Tashkent Province)

Akademiia nauk SSSR. Laboratoriia gidrologicheskikh problem. [Formation of the properties of clay rocks in the lithogenetic process from the view point of engineering geology] Formirovanie inzhenerno-geologicheskikh svoistv glinistykh porod v protsesse litogeneza. Moskva, Izd-vo Akad. nauk SSSR, 1963. 222 p.

ENGINEERING LABORATORIES

Ability for experimentation. S. Bogoslovskii. Izobr. i rats. no.11:26-29 '63.

ENGINEERING RESEARCH

Creative work inspired by the Great October Revolution. P. Abroskin. NTO 5 no.11:2-5 N '63.

Important business of the trade unions. K. Nekrasov. NTO 5 no.11:10-12 N '63.

ENGINEERING STANDARDS see Standards, Engineering

ENGLAND see Great Britain

ENGLISH LANGUAGE—CHRESTOMATHIES AND READERS

Magidson-Stapanova, G.K., ed. [Collection of adventure stories; an English language reader for students in the 10th class of secondary schools] Sbornik prikliuchencheskikh rasskazov; kniga dlia chteniia na angliiskom. iazyke dlia uchashchikhsia X klassa srednei shkoly. Moskva, Gos. uchebno-pedagog. Izd-vo, 1963. 91 p. (NcD)

ENGLISH LANGUAGE—CONJUNCTIONS

"System of conjunctions in the Ukrainian language" by F.P. Medvediev. Reviewed by B.V. Kobylians'kyi. Ukr. mova i lit. v shkoli 13 no.5 83-85 Jl '63.

ENGLISH LANGUAGE—DICTIONARIES—RUSSIAN

Gittsigrat, L.E., A.A. Pinkevich, and L.V. Vinogradova, comps. [English-Russian dictionary on exploration drilling] Anglo-russkii terminologicheskii slovar' po geologopoiskovomu bureniiu. Pod red. I.A. Utkina. Leningrad, Gostoptekhizdat, 1963. 318 p.

ENGLISH LANGUAGE—FOREIGN WORDS AND PHRASES

Kupchanova, V.N. [The plural of words derived from Latin and Greek in the English language] Mnozhestvennoe chislo slov latinskogo i grecheskogo proiskhozhdenila v angliiskom iazyke. Novosibirsk, Izd-vo Sibirskogo otd-nie Akad. nauk SSSR, 1962. 74 p. (MH)

ENGLISH LANGUAGE—NUMBER

Kupchanova, V.N. [The plural of words derived from Latin and Greek in the English language] Mnozhestvennoe chislo slov latinskogo i grecheskogo proiskhozhdenila v angliiskom iazyke. Novosibirsk, Izd-vo Sibirskogo otd-nie Akad. nauk SSSR, 1962. 74 p. (MH)

ENGLISH LANGUAGE—STUDY AND TEACHING

Constantly improve methods of teaching the English language. I. Bant. Mor. flot 23 no.11 39-41 N '63.

ENGLISH LITERATURE—HISTORY AND CRITICISM

Ivasheva, V.V. [Contemporary English literature] Sovremennaia angliiskaia literatura. [Moskva] Izd-vo Moskovskogo univ., 1963. 122 p.

ENGLISH PHILOLOGY

Solov'eva, L.N. [Introduction to English philology] Vvedenie v angliiskuiu filologiiu, metodicheskoe posobie. [Leningrad] Izd-vo Leningr. univ., 1963. 35 p. (V pomoshch' studentam vechernikh i zaochnykh vuzov)

ENGRAVING—EQUIPMENT AND SUPPLIES

Engraving devices. I.I. Rodin. Mashinostroitel' no.10: 18-19 O '63.

ENGRAVING MACHINES

Electric engraving machines in the printing industry. IU.R. Lukovskii, E.I. Zupanchich. Poligr. proizv. no.10 27-28 O '63.

ENSEMBLES (MUSIC) see subdivision under White Russia

ENSEMBLES (MUSIC), MALI

The national ensemble of the Mali Republic. Ehrenfraud Schmidt-Novotny. Zhen. mira no.11:23-26 '61.

ENSILAGE

Enriching silage by adding urea solution. V.Semernoi. Tekh. v sel'khoz. 23 no.10:21-23 O '63.

Ensilage can be preserved. V.IAmbaev. Sel'. mekh. no.10:28 O '63.

Improvement of silage starters (preparation and application of dry silage starters). M.S. Karpov, R.N. Ekimova. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7 27-32 '63.

Physiological evaluation of corn ensilage. Report No. 2. N.U. Bazanova, B.N. Nikitin. Trudy Inst. mikrobiol. i virus. AN Kazakh SSR 7:10-15 '63.

Placing silage by a bucket loader. I. Fomin. Tekh. v sel'khoz. 23 no.9:25-26 S '63.

Role of propionic acid bacteria in corn ensilage. D.L. Shamis, K.A. Il'ina. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:3-9 '63.

ENSILAGE—MICROBIOLOGY

Effect of sodium metabisulfite on the bacterial flora of silage. N. Chukanov. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:22-28 '63.

ENTIRE FUNCTIONS see Functions, Entire

ENTOMOLOGY—CONGRESSES

Conference of Entomologists of the Sanitary and Epidemiological Stations of the European Part of the R.S.F.S.R. Med. paraz. i paraz. bol. 32 no.5:633-634 S-O '63.

ENTROPY

Change of entropy in the transition of monoatomic ions having the structure of inert gases from the crystalline and gaseous state to solution. G.A. Krestov. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no.5:754-761 '63

Gokhshtein, D.P. [Will the universal clock ever stop? A popular exposition of the theory of entropy] Ostanovitsia li mirovye chasy? Populiarnoe izlozhenie ucheniia ob entropii. Moskva, Gosenergoizdat, 1963. 102 p. (Biblioteka teplotekhnika, no. 11)

ENVELOPES (GEOMETRY)

Formulation of the theory of envelopes; a methodological note. T.B. Beliaeva, V.A. Zalgaller. Usp. mat. nauk. 18 no.5:137-149 S-O '63.

ENZYMES

Activity of some enzymes in the blood serum in Botkin's disease [with summary in English]. O.A. Nuromskaia. Klin. med. 41 no.7:19-22 Jl '63.

Adaptive changes in the enzymes of the mammary gland in cows. V.V. Koval'skii, I.A. Shumkova. Dokl. AN SSSR 152 no.5:1243-1246 O '63.

Determining the activity of pectin splitting enzyme preparations. L.A. Khersonova. Spirt. prom. 29 no.7 15-18 '63.

Dynamic stability of enzymatic coacervates in substrate solutions. A.G. Pasynskii, V.P. Slobodskaia. Dokl. AN SSSR 153 no.2:473-476 N '63.

Effect of the active acidity of the culture medium on the amylolytic enzymes of the "Aspergillus oryzae" mold fungus. N.I. Daniliak, N.G. Cherevko. Spirt. prom. 29 no.7:11-15 '63.

Evaluation of some biochemical indices in epidemic hepatitis. G.P. Rudnev and others. Kaz. med. zhur. no.5,37-40 S-O '63.

Investigating the hydrolysis of starch-containing raw materials by means of enzymes in the manufacture of glucose products. G.V. Galkina. Trudy TSNIIKPP no.6:48-62 '63.

Koshtoiants, Kh.S. [Problems of the enzyme chemistry of stimulation and inhibition processes and the evolution of the functions of the nervous system] Problemy fermentokhimii protsessov vozbuzhdeniia i tormozheniia i evolutsii funktsii nervnoi sistemy, dolozhenno na sessii posviashchennoi 80-letiiu so dnia rozhdeniia akademika Kh.S. Koshtoiantsa, posviashchennaia itogam sessii, sostoiavshikhsia v Institute evoliutsionnoi fiziologii im. I.M. Sechenova i v Institute vysshei nervnoi deiatel'nosti AN SSSR v 1962 g. i itogam sessii, posviashchennoi itogam nauchnykh issledovanii v Institute vysshei nervnoi deiatel'nosti AN SSSR za 1962 g. Moskva, Izd-vo Akad. nauk SSSR, 1963. 30 p. (Bakhovskie chteniia, no. 17)

Use of pectolytic enzymes in the processing of grape pulp. S. Brad. Kons. i ov. prom. 18 no.11:42-43 N '63.

EOSINOPHILS

Korge, Kuno. [Problems of the reactivity of the organism and desensitization therapy] Organismi reaktiivsuse ja desensibiliseeriva ravi probleeme. Tallina, Eesti Riiklik Kirjastus, 1963. 321 p. (In Estonian with summary in Russian)
(DNLM)

EPIC LITERATURE, TURKISH

"The book of my grandfather Korkut"; Ghuz epic. Reviewed by O. Vil'chevskii. Sov. etn. no.5,172-175 S-O '63.

EPIC POETRY—HISTORY AND CRITICISM

At the sources of an epic. B. Putilov. Vop. lit. 7 no.12: 195-199 O '63.

"Origin of the epic; earliest forms and archaic monuments" by E.M. Meletinskii. Reviewed by K. Chistov. Sov. etn. no.5,149-151 S-O '63.

EPIC POETRY, TUVINIAN

"The Tuvinian epic" by L.V. Grebnev. Reviewed by S. Vainshtein. Sov. etn. no.5:170-172 S-O '63.

EPIC POETRY, YAKUT

"The Yakut epic Olonkho" by I.V. Pukhov. Reviewed by I. Gurvich. Sov. etn. no.5:167-170 S-O '63.

EPICHLOROHYDRIN

Quantitative determination of epichlorohydrin. V.P. Nikitin, V.M. Skachkov. Zav. lab. 29 no.11:1303 '63.

EPIDIDYMIS—TUMORS

Epididymal fibroma [with summary in English]. A.I. Akselrod. Vop. onk. 9 no.7 99-101 '63.

EPIGENESIS (GEOLOGY)

Facies of regional epigenesis and metagenesis. A.G. Kossovskaia, V.D. Shutov. Izv. AN SSSR. Ser. geol. 28 no.7:3-18 Jl '63.

EPILEPSY

Kreindler, A., Crighel, E., and I. Stoica. [Epilepsy in children. Translated from the Rumanian] Detskaia epilepsiia. Bucharest, Izd-vo Akad. Rumynskoi Narodnoi Respubliki, 1963. 269 p.
(DNLM)

EPITAPHS see subdivision under Nukha

EPOXY COMPOUNDS

Effect of various media and temperatures on the properties of cold-hardened epoxy compounds. E.I. Kaplova, D.I. Riabokhtan. Plast. massy no.11:61-63 '63.

EPOXY RESINS

Reconditioning engine casings by epoxy resins. V.Shlshatskii. Rech. transp. 22 no.11:32-33 N '63.

Using epoxy resins in ship repair operations. A.S. Sudzilovskii. Sudostroenie 29 no.11.55-57 N '63.

When stones grow together. B. Malovanchik, IA. Namarius. Znan. sila 38 no.9:4-6 S '63.

EQUATIONS, LINEAR see Linear equations

EQUILIBRIUM (PHYSIOLOGY)

Vestibular apparatus. I.A. Kriachko. Zdorov'e 9 no.10:10-11 O '63.

EQUIVALENT CIRCUITS

Calculation of the modes of operation of complex equivalent circuits using the values of input resistances. N.A. Mel'nikov. Trudy VNIIE no.15:118-125 '63.

EREMENKO, ANDREI IVANOVICH

Military steps of a marshal. M. S Shumilov, V. I. Shiyrliaev. Ogonek 41 no.44-5 O '63.

ERGOMETER see Dynamometer

ERGOT

Separating ergot from rye on the SSP-1, 5 sorting table. M. V. Krechetova. Sbor. lab. GOSNITI no. 16, 1-7 ['61].

ERIVAN—ELECTRIC EQUIPMENT INDUSTRY

New electric devices. G. Revazian. Prom. Arm. 6 no. 8 44-46 S '63.

ERIVAN REGION—CLAY

Genesis of clay minerals in Oligocene and Miocene sedimentary layers of the Erivan region, Armenian S. S R. I. Kh. Petrosian Izv AN Arm. SSR. Geol i geog. nauki 16 no. 4/5, 27-40 '63.

ERIVAN REGION—SALT DEPOSITS

Lithological outline of the salt-bearing layer in the Erivan region. M. A Movsesian. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 4/5, 9-26 '63.

ERMAKOV, ALEKSANDR DMITRIEVICH, d. 1963

Aleksandr Dmitrievich Ermakov. Poligr. proizv. no. 10: 10 O '63.

EROSION

(see also subdivision under Central Russian Upland)

Present-day views on peneplanation. I. F. Gellert. Izv. AN SSSR. Ser. geog. no. 6, 102-111 N-D '63.

EROSION—BIBLIOGRAPHY see Bibliography—Erosion

ERRORS, THEORY OF

Comments on I. M. Konopal'tsev's article. IU. A. Kriukov, E. A. Boiarskii. Geod. i kart. no. 10, 34-35 O '63.

I. M. Konopal'tsev's suggestions. P. A. Gaidaev. Geod. i kart. no. 10, 30-31 O '63.

Interrelationship of values studied by means of the theory of errors and the method of least squares. IU. V. Kemnits. Trudy MIIZ no. 10, 111-122 '60.

Method of intermediate functions in estimating the accuracy of functions of value adjusted by a simplified method. A. V. Gordeev. Trudy MIIZ no. 10, 89-110 '60.

Uniform method for measuring horizontal angles as proposed by I. M. Konopal'tsev. A. V. Rytov. Geod. i kart. no. 10, 35-44 O '63.

Uniformly precise measuring results. N. G. Viduev. Geod. i kart. no. 10, 26-29 O '63.

ERYTHREMIA

Conversion of erythremia into acute erythrohemocytoblastosis. V. IA. Shustov. Kaz. med. zhur. no. 5, 75-76 S-O '63.

ERYTHROCYTES

Effect of antibodies and inhibitors on the virus-cell system (with summary in English). Z. I. Rovnova and others. Vop. virus. 6 no. 2, 150-155 Mr-Ap '63.

Pathogenesis of anemia in rheumatoid arthritis [with summary in English]. S. I. Riabov, M. M. Shcherba, G. M. Roshchina. Terap. arkh. 35 no. 5, 82-86 My '63.

Seasonal fluctuations of the amount of erythrocytes and hemoglobin in the blood of hypertension patients. P. G. Shochil. Vrach. delo no. 11, 130-131 N '63.

Use of the method of erythrocyte measurement in a sanitary toxicological experiment on the evaluation of waste waters from the production of synthetic rubber. V. A. Ivanov, M. V. Pogorelova. Trudy Vor. med. inst. 47: 47-52 '62.

ERZYNKATSI, IOANN

Natural scientific conceptions of Ioann Erzynkatsi (13th century). V. K. Chaloian. Iz ist. est. i tekh. 1: 40-49 '60.

ESCHERICHIA COLI

Polysaccharides of pathogenic and nonpathogenic strains of Escherichia coli obtained after the removal of complete antigen [with summary in English]. I. IA. Zakharova, S. V. Drobot'ko. Mikrobiol. zhur. 25 no. 5, 19-24 '63.

ESENIN, SERGEI ALEKSANDROVICH, 1895-1925

Letter signed by fifty people and S. Esenin. L. Shalaginova. Nov. mir 38 no. 6, 276-278 Je '62.

Prokushev, IU. L. [Esenin's youth] IUnost' Esenina. Moskva, Moskovskii rabochii, 1963. 191 p.

ESKIMOS see subdivision under Canada

ESOPHAGUS—ABNORMITIES AND DEFORMITIES

Roentgenological observations on the so-called lower esophageal ring [with summary in English]. Sh. M. Mirganiev. Vest. rent. i rad. 38 no. 5, 40-42 S-O '63.

ESOPHAGUS—CANCER

Regional characteristics of the distribution of esophageal cancer [with summary in English]. A. V. Chaklin. Trudy Inst. onk. AMN SSSR. no. 3, 217-240 '60.

Roentgen cinematography in the study of esophageal pneumorelief in cancer [with summary in English]. L. E. Kovesh. Vop. onk. 9 no. 7, 52-56 '63.

ESOPHAGUS—DISEASES

Neuromuscular diseases of the esophagus and cardia [with summary in English]. A. Z. Morgenshtern. Klin. med. 41 no. 7, 40-46 Jl '63.

ESOPHAGUS—FOREIGN BODIES

Foreign bodies in the esophagus. A. G. Kissin Fel'd. i akush. 28 no. 5, 22-25 Ag '63.

ESOPHAGUS—RADIOGRAPHY

Roentgenological observations on the so-called lower esophageal ring [with summary in English]. Sh. M. Mirganiev. Vest. rent. i rad. 38 no. 5, 40-42 S-O '63.

ESOPHAGUS—SURGERY

Esophageal alloplasty under experimental conditions [with summary in English]. G. A. Sardak. Vest. khir. 91 no. 7, 41-45 Jl '63.

Mechanism of jaundice arising following intrathoracic esophagogastro-anastomosis [with summary in English]. D. V. Fedotkin. Vest. khir. 91 no. 7, 23-28 Jl '63.

ESSENCES AND ESSENTIAL OILS

(see also subdivision under Kaluga)

Contribution of the State Nikita Botanic Gardens to the development of the industry of essential oils T. V Frolov Masl.-zhir. prom. 28 no. 10, 10-12 O '62

Hydraulic resistance of activated carbon during the dynamic sorption. E. D. Ponomarev. Masl.-zhir. prom. 29 no. 10, 26-28 O '63.

Spectrophotometric study of the ripening of perfumery liquids. G. N. Kasparov, A. F. Poliakov, E. N. Shapovalov. Masl.-zhir. prom. 29 no. 11, 33-36 N '63.

ESTERASES

Changes in the activity of lipolytic enzymes in atherosclerosis [with summary in English]. F. L. Leites. Arkh. pat. 25 no. 8, 27-33 '63.

ESTERIFICATION

Esterification of higher synthetic fatty acids by methyl alcohol in the presence of sulfuric acid. F. V. Linchevskii, R. S. Simonova. Trudy NIISZHIMSa no. 3, 26-29 '62.

ESTERS

Investigations in the field of the preparation of carbonic acid polyesters. Synthesis and study of carbonic acid polyesters based on 2, 2-(3, 3'-dichloro-4, 4'-dihydroxydiphenyl)-propane and phosgene. I. P. Losev and others. Plast. massy no. 11, 8-11 '63.

ESTONIA—AGRICULTURAL RESEARCH

Soils in test tubes. N. Khrabrova. Ogonek 41 no. 52 4-5 D '63.

ESTONIA—CANNING INDUSTRY

Development of the canning industry under the Economic Council of the Estonian S. S. R. V. IA. Druliuk. Kons. i ov. prom. 18 no. 11, 12-14 N '63.

ESTONIA—DOUGLAS FIR

Douglas fir in Estonia. M. M. Margus. Les. khoz. 16 no. 9, 24-27 S '63.

ESTONIA—HISTORY

[History of the Estonian S. S. R.] Eesti NSV ajalugu kolmes koites. Tallinn, Eesti Riiklik Kirjastus. [In Estonian]

Vol. 2. [From the 1860's to March 1917] XIX sajandi 60. ndaist aastaist kuni 1917. aasta martsini. Toimetuse kollegium: J. Saat ja teised. 1963. 710 p.

[Masks are off!] Maski sorvany! Tallin, Estonskoe gos. izd-vo, 1961, 166 p.
(NNC)

ESTONIA—INDUSTRIES

Jaanvark, Ebba. [The working class of Soviet Estonia and the industrial development of the republic, 1945-1950] Noukogude Eesti tooliskiass ja vabariigi toostuse areng, aastail 1945-1950. Tallinn, Eesti Riiklik Kirjastus, 1963. 188 p. [In Estonian with summary in Russian]

ESTONIA—LABOR AND LABORING CLASSES

Jaanvark, Ebba. [The working class of Soviet Estonia and the industrial development of the republic, 1945-1950] Noukogude Eesti tooliskiass ja vabariigi toostuse areng, aastail 1945-1950. Tallinn, Eesti Riiklik Kirjastus, 1963. 188 p. [In Estonian with summary in Russian]

ESTONIA—LAW SCHOOLS

Let us strengthen the ties of public prosecution agencies with the institutions of legal education. V. Raudsalu, Sots. zakon. 40 no. 10, 56-58 O '63.

ESTONIA—MACHINERY INDUSTRY—PRODUCTION *STANDARDS*

Working out calendar plans for reviewing norms. E. Fominykh. Sots. trud 8 no. 10, 80-82 O '63.

ESTONIA—MANUFACTURES

Ulbokand, Georg. [Principal trends in the development of the light industry of the Republic] Vabariigi kergetoostuse arendamise poshiseunad. Tallinn, Eesti Riiklik Kirjastus, 1962. 73 p. [In Estonian]

ESTONIA—MOTION PICTURES

Difficult years of the Estonian motion-picture industry. I. Kozenkranius. Vop kinoisk. no. 7, 210-213 '63.

ESTONIA—SOILS—MAPS

Utilization of the materials of a large-scale survey of land resources in the Estonian S. S. R. [with summary in English]. I. Rooma, L. Reintam, H. Kendra. Pochvovedenie no. 11, 1-14 N '63.

ESTONIA—SURGERY—CONGRESSES

Eighth Scientific Surgical Conference of the Estonian S. S. R. V. A. Leosko, M. P. Romankova. Vest. khir. 91 no. 7, 119-122 Jl '63.

ESTONIAN FOLKLORE see Folklore, Estonian

ESTROGENS

Steroid spectrum as a diagnostic criterion in true hermaphroditism [with summary in English]. E. Špaňár, J. Kyselá. Probl. endok. i gorm. 9 no. 5, 101-105 S-O '63.

ETHANES

Effect of chloropicrin and dichloroethane on the microflora of grain. O. P. Podlapol'skaia. Trudy VNIIZ no. 43, 89-93 '63.

ETHANOL

Kinetics of the amidation of fatty acids with monoethanolamine. F. S. Omel'chenko, M. A. Kamyshan. Masl.-zhir. prom. 29 no. 11, 26-28 N '63.

ETHER (ANESTHETIC)

Automatic endotracheal ether anesthesia in orthopedic operations. IU. N. IUr'ev, IU. N. Shanin. Ortop., travm. i protez. 24 no. 6, 18-23 Je '63.

ETHERS

Synthesis of methyl ether of N-adenyl-5'-phenylalanine by the carbodiimide method. T. S. Riabova and others. Dokl. AN SSSR 153 no. 2, 363-365 N '63.

ETHERS—SPECTRA

Infrared spectra of alkyl phenols and their ethers. M. A. Salimov, L. A. Erivanskaia, N. I. Shulkin. Azerb. khim. zhur. no. 3, 67-73 '62.

ETHICS

A book on the categories of ethics. V. G. Nesterov. Nauch. dokl. vys. shkoly: filos. nauki 6 no. 5, 124-126 '63.

ETHNOLOGICAL RESEARCH

A meeting dedicated to the results of archaeological and ethnological field research made in 1962. N. A. Dvornikova and others. Sov. etn. no. 5, 123-129 S-O '63.

ETHNOLOGY

(see also subdivision under Guinea; Latgale, *Ukraine*)

Apply in practice the resolutions of the June Plenum of the Central Committee of the CPSU. Sov. etn. no. 5, 3-6 S-O '63.

ETHNOLOGY—CONGRESSES

Fourth meeting of the working organizational committee of the Seventh International Congress of Anthropological and Ethnographical Sciences. K. V. IAkimova. Sov. etn. no. 5, 134-136 S-O '63.

ETHNOLOGY—MAPS see subdivision under Siberia; Turkmenistan

ETHNOLOGY—PERIODICALS

(see also subdivision under France)

Enlarged meeting of the editorial board of the journal "Sovetskaia etnografiia" dedicated to the evaluation of the review "The journal of Soviet ethnologists." A. G. Podol'skii. Sov. etn. no. 6, 122-123 S-O '63.

ETHYLENE

Conversions of ethylene on aluminosilicate catalysts. S. V. Malkevich. Kin. i kat. 4 no. 5, 753-759 S-O '63.

Development of the production of ethylene, propylene, and acetylene. G. F. Borisovich, P. A. Khokhriakov, R. A. Rozina. Khim. prom. no. 6, 561-566 Ag '63.

Kinetics and the mechanism of 1, 1-diphenylethylene dimerization in aqueous sulfuric acid. Part 2: Kinetic regularities and the reaction mechanism. S. G. Entelis, K. S. Kazanskii. Kin. i kat. 4 no. 5, 713-722 S-O '63.

ETHYLENE—SPECTRA

Use of the method of perturbations in analyzing the vibrations of monodeuteromethane and the plane vibrations of ethylene. B. L. Livshits, N. A. Chumaevskii. Opt. i spektr. 15 no. 5, 609-616 N '63.

ETHYLENE COMPOUNDS

Synthesis of 1-ferrocenoyl-2-carbomethoxyethylene. A. N. Nesmeianov, V. D. Vil'chevskaia, N. S. Kochetkova. Dokl. AN SSSR 152 no. 3, 627-629 S '63.

ETHYLENE POLYMERS

Esophageal alloplasty under experimental conditions (with summary in English). G. A. Sardak. Vest. khir. 91 no. 7 41-45 Jl '63.

Technique of alloplasty of circulatory defects of the trachea and bronchi [with summary in English]. Iu. A. Furmanov. Vest. khir. 91 no. 7 48-50 Jl '63.

EUROPE—CLIMATE

Summer of 1963 in Europe and Asia. T. V. Sidochenko. Priroda 52 no. 10:121-123 '63.

EUROPE—HISTORY

About the past for present-day readers. A. Iolrysh, V. Romanov. Mezhdunar. zhizn' 10 no. 11:116-119 N '63.

EUROPE—HISTORY, MILITARY

Participation of the corps in General D. S. Dokhturov in the foreign campaigns. P. Dokhturov. Voen.-ist. zhur. 5 no. 10:111-116 O '63.

EUROPE, EASTERN—COMMERCE

New trends in the trade of the socialist countries; answers to readers' questions. E. Usenko. Nov. vrem. 21 no. 50 18-19 D '63.

Zlobin, L. D. [World socialist market] Mirovoi sotsialisticheskii rynok. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. III Seriia Ekonomika, no. 19)

EUROPE, EASTERN—CONSTRUCTION INDUSTRY

Scientific and technological cooperation of socialist countries in the field of construction economics. V. Kozlov. Ekon. stroi. no. 11:34-40 N '63.

EUROPE, EASTERN—DIVISION OF LABOR

International proportions of the world socialist economy. A. IA. Mironenko. Vest. Mosk. un. Ser. 8: Ekon., filos. 18 no. 6 50-60 N-D '63.

EUROPE, EASTERN—ECONOMIC CONDITIONS

Association of equals. IUrii Kormnov. Kul't. i zhizn' 7 no. 11 18-19 '63.

EUROPE, EASTERN—ECONOMIC POLICY

Problems of planning the socialist world economy. G. Sorokin. Plan. khoz. 40 no. 12.1-11 D '63.

EUROPE, EASTERN—EDUCATION

Growth of the cultural level in the socialist countries. V. Bodrova. Mezhdunar. zhizn' 10 no. 11:128-129 N '63.

EUROPE, EASTERN—EDUCATION—PERIODICALS

From the pages of foreign periodicals. Sov. pedag. 27 no. 9:148-153 S '63.

EUROPE, EASTERN—INDUSTRIAL ORGANIZATION—CONGRESSES

Mezhdunarodnaia konferentsiia institutov i organizatsii evropeiskikh sotsialisticheskikh stran, zanimaiushchikhsia voprosami ekonomiki i organizatsii proizvodstva i truda, Warsaw, 1962. [Problems of production and management] Problemy organizatsii proizvodstva i truda; materialy. Pod red. D. G. Onika. Moskva, Ekonomizdat, 1963. 259 p.

EUROPE, EASTERN—LABOR LAWS AND LEGISLATION

Mironov, V. K. [Labor law of European socialist countries] Trudovoe pravo evropeiskikh sotsialisticheskikh stran. Moskva, Izd-vo "Iuridicheskaia literatura," 1963. 265 p.

EUROPE, EASTERN—MACHINERY INDUSTRY

New stage in developing the world socialist system of interstate specialization and cooperation in machinery manufacturing. B. Kireev. Otv. na vop. trud. no. 8: 30-37 Ag '63.

EUROPE, EASTERN—POWER RESOURCES

Cooperation of socialist countries in the field of power resources. I. Popov. Vop. ekon. no. 10:111-122 O '63.

EUROPE, WESTERN—AGRICULTURE

The Brussels marathon. M. Pavlova, G. Faktor. Nov. vrem. 21 no. 52:24-25 D '63.

EUROPE, WESTERN—CHEMICAL INDUSTRIES

Chemistry under the rule of capital. I. Dmitriev. Part. zhizn' Kazakh. 33 no. 11:56-59 N '63.

EUROPE, WESTERN—COMMERCE—UNITED STATES

The Common Market balance sheet (to be continued). N. Ostpenko. Nov. vrem. 21 no. 47:4-6 N '63.

EUROPE, WESTERN—COOPERATIVE SOCIETIES

"Common Market" and cooperative movement of the West European countries. IA. Kramarovskii. Sov. potreb. koop. 7 no. 10:55-58 O '63.

EUROPE, WESTERN—EDUCATION

Development of schools and school reforms in some capitalistic countries of Europe. M. S. Bernshtein. Sov. pedag. 27 no. 11:137-141 N '63.

EUROPE, WESTERN—HISTORY

An interuniversity conference at Bashkir University. IA. V. Zaitsev and others. Vop. ist. 38 no. 11.110-111 N '63.

EUROPE, WESTERN—PETROLEUM PRODUCTS

Growth of the industry of chemical products based on petroleum crudes. Khim. i tekh. topl. i masel 8 no. 11. 65 N '63.

EUROPE, WESTERN—RAILROADS—SIGNALING

Single-track automatic block system with two-line wires. I. S. Gluzman. Avtom., telem. i sviaz' 7 no. 11.44-47 N '63.

EUROPE, WESTERN—SOCIAL CONDITIONS

Zubin, L. A. [According to the law of the jungle] Po zakonam dzhunglei. Moskva, Gospolitizdat, 1962. 125 p.

EUROPEAN COMMON MARKET see European Economic Community

EUROPEAN ECONOMIC COMMUNITY

The Brussels marathon. M. Pavlova, G. Faktor. Nov. vrem. 21 no. 52:24-25 D '63.

"Common Market" and cooperative movement of the West European countries. IA. Kramarovskii. Sov. potreb. koop. 7 no. 10:55-58 O '63.

The Common Market balance sheet (to be continued). N. Ostpenko. Nov. vrem. 21 no. 47.4-6 N '63.

Rubinskii, IU. I. [Union of the doomed; plans for political "integration" in Western Europe] Soiuz obrechennykh; o planakh politicheskoi "integratsii" v Zapadnoi Evrope. Moskva, Politizdat, 1963. 61 p.

EUROPEAN FEDERATION

Rubinskii, IU. I. [Union of the doomed; plans for political "integration" in Western Europe] Soiuz obrechennykh; o planakh politicheskoi "integratsii" v Zapadnoi Evrope. Moskva, Politizdat, 1963. 61 p.

EUROPEAN WAR, 1914-1918
(see also subdivision under Asia, Central; Germany; Russia; Turkey)

Kukushkin, S. M. [Moscow Bolsheviks during the years of the First World War and the February Revolution] Moskovskie bol'sheviki v gody Pervoi Mirovoi voiny i Fevral'skoi revoliutsii. [Moskva] Mosk. rabochii, 1963. 189 p.

EUTECTICS

Plotting of two-dimensional polythermal sections of equilibrium diagrams for multicomponent eutectic systems with the aid of the method of projections. Part 4: Application of the geometrical unfolding (shadows) method for the plotting of equilibrium diagrams for eutetic systems with an arbitrary number of components [with summary in English]. A. I. Landau. Zhur. fiz. khim. 37 no. 9:1933-1937 S '63.

EVAPORATING APPLIANCES

Device for automatic foam control in vacuum-evaporating apparatus. A. M. Gusev. Trudy VNIMI [Mol.] no. 22: 39-42 '62.

Unsatisfactory design and poor performance of the VTs-58 evaporating apparatus. A. F. IAkimov. Sakh. prom. 37 no. 10:14-20 O '63.

EVAPORATION

Improvement of the evaporation of hydrochloric hydrolyzate [with summary in English on p. 165]. L. M. Grinshtein, O. V. Tyshchetskaia. Sbor. trud. NIIGS 11:41-48 '63.

Microscopic studies of the defects in alkali-halogenous crystals by the evaporation method. K. Shvarts, E. Feldmane. Izv. AN Latv. SSR no. 9:57-59 '63.

EVARNITSKII, DMITRII IVANOVICH, 1855-1940

D. I. Evarnitskii. M. M. Olifiryk. Rad. lit. 7 no. 6:103-112 N-D '63.

EVENING AND CONTINUATION SCHOOLS

Affairs and concerns of evening schools. Nar. obr. no. 12:85-92 D '63.

"Connection between teaching history in evening (staggered) schools and life." Reviewed by V. P. Gus'kov. Prep. ist. v shkole 18 no. 6:96-97 N-D '63.

First successes of an evening department. V. Svintsov. Prof.-tekh. obr. 20 no. 10:10 O '63.

From the first to the last line. V. Rozentuller, M. Kachurin. Nar. obr. no. 9:88-90 S '63.

Important potentiality for an increase in labor productivity. L. Voznesenskii. Prof.-tekh. obr. 20 no. 10:9-11 O '63.

Improvement of the educational process at the General Technical Faculty. IU. F. CHubuk, M. F. Evstifeev. Vest. vys. shkoly. 21 no. 11:48-51 N '63.

Methodological aid to industry is expanding. A. Smirnov. Prof.-tekh. obr. 20 no. 10:29-30 O '63.

EVICTION

Eviction of Soviet citizens from their apartments in the houses owned by governmental agencies and industrial enterprises. K. Nikitin. Sov. iust. no. 20:16-17 O '63.

EVIDENCE (LAW)

Evidence in Soviet criminal procedure. A. Rivlin, S. Al'pert, M. Bazhanov. Sots. zakon. 40 no. 9 40-42 S '63.

Theoretical and practical problems of legal evidence. I. Sadovskii, I. Tyrichev. Sots. zakon. 40 no. 11:39-42 N '63.

EVIDENCE, CRIMINAL

New material for preserving and taking the impression of footmarks left on a sandy surface. V. Sorokin. Sots. zakon. 10 no. 10.65 O '63.

EVIDENCE, EXPERT

Borodin, S. V., and A. IA. Paliashvili. [Theoretical and practical problems of forensic expertise, based on the materials of the Supreme Court of the U. S. S. R. and the Supreme Court of the R. S. F. S. R.] Voprosy teorii i praktiki sudebnoi ekspertizy, po materialam Verkhovnogo Suda SSSR i Verkhovnogo Suda RSFSR. Pod red. D. S. Kareva. Moskva, Gosiurizdat, 1963. 179 p.

Legal education of expert witnesses and their role in court sessions. M. Liubarskii. Sov. iust. no. 22:8-9 N '63.

We should coordinate our work. A. Shilakhov. Sov. iust. no. 20 7-9 O '63.

EVOLUTION

Rhythm of evolution (with summary in English). S. M. IAblokov-Khnzorian. Zool. zhur. 42 no. 10:1443-1445 '63.

Shapochka, N. M. [Lamarck's theory of evolution, lecture from a course in Darwinism] Evoliutsionnoe uchenie Lamarka, lektsiia iz kursa "Darvinizma." [Moskva] Izd-vo Mosk. univ. 1963. 32 p.

Systematic position and evolutionary role of forms developing in the acclimatization of animals [with summary in English]. L. V. Shaposhnikov. Zool. zhur. 42 no. 10:1446-1452 '63.

EVTIUKHOVA, LIDIIA ALEKSEEVNA, 1903-

Lidiia Alekseevna Evtiukhova's 60th birthday. V. P. Levashova. Sov. arkheol. 7 no. 4 122-124 '63.

EXCAVATING MACHINERY
(see also subdivision under Donetsk; Kramatorsk)

Always in search. E. Poring. Nar. khoz. Kazakh. 21 no. 9.36-38 S '63.

Arm of a giant. Stepan Chernobryvets'. Ukraina no. 8-9 Ag '62.

Calculation of the static characteristics of the drive system of an excavator in a generator-motor system with three generator excitation windings. S. A. Volotkovskii, A. I. Shishkov, V. P. Shaftanov. Izv. vys. ucheb. zav., elektromekh. 6 no. 9:1113-1121 '63.

Change equipment of the ETY-354 excavator for digging frozen ground. V. A. Rumiantsev, I. Z. Piglin. Stroi. i dor. mash. 8 no. 11:16-17 N '63.

[Design of heavy-duty machines] Konstruirovanie krupnykh mashin; sbornik statei. Pod red. B. I. Satovskogo. Moskva, Mashgiz.
No. 2. [Excavators] Ekskavatory. 1963. 202 p.

The KPIA-100 mounted tractor trench digger. G. I. Kvitiada. Mashinostroenie no. 6:86-87 N-D '63.

Use of a grab excavator for cutting out heaving portions of the roadbed. S. P. Sychev. Put' i put. khoz. 7 no. 12 26 '63.

EXCAVATION see subdivision under Volga-Baltic Sea Waterway

EXCAVATION (ARCHAEOLOGY) see subdivision under Africa, Central; Bami

EXCITONS

Excitons near the surface of a homopolar crystal. M. I. Deigen, M. D. Glinchuk. Fiz. tver. tela 5 no. 11.3258 N '63.

EXCRETION

Daytime and nighttime urinary excretion of macroelements and microelements by practically healthy people [with summary in English]. V. K. Zaparin, N. M. Gubin. Vrach. delo no. 11:74-76 N '63.

EXECUTIONS (LAW)

Let us stop playing "hide-and-seek." Sots. zakon. 40 no. 9.46-47 S '63.

Perlov, I. D. [Execution of sentences in Soviet criminal procedure] Ispolnenie prigovora v sovetskom ugolovnom protsesse. Moskva, Izd-vo "Iuridicheskaia literatura," 1963. 226 p.

We must ensure the complete reimbursement of loss caused by the pilfering of communal property. Sov. iust. no. 20:1-3 O '63.

EXECUTIVES see subdivision under Germany, West

EXERCISE THERAPY

Advice on family affairs and in home economics. Belarus' 20 no. 10:27 O '63.

Advice in family affairs and on home economics. Belarus' 20 no. 11:27 N '63.

EXERCISE THERAPY (Continued)

Lebedeva, V. S. [Exercise therapy in myocardial infarct] Lechebnaia fizicheskaia kul'tura pri infarkte miokarda. Leningrad, Medgiz, 1963. 141 p. (Biblioteka prakticheskogo vracha) (DNLM)

Medical gymnastics for patients suffering from lung diseases and treated by surgery. A. A. Khrustalev. Med. sestra 22 no. 10 32-36 O '63.

Reizman, A. M., and F. I. Bagrov. [Exercise therapy and massage in scoliosis] Lechebnaia gimnastika i massazh pri skoliozakh. Moskva, Medgiz, 1963. 139 p. (DNLM)

EXHAUST SYSTEMS

Exhaust unit. A. L. TSarev, V. F. Shchegol'kov. Mashinostroitel' no. 10:42 O '63.

EXPERT EVIDENCE see Evidence, Expert

EXPERTISING, X-RAY

New method of studying museum objects. N. A. Nikiforaki. Soob. VTSNILKR no. 7:25-37 '63.

EXPLORERS

Ditmar, A. B. [To the countries of tin and amber] V strany olova i iantaria. Moskva, Geografgiz, 1963. 70 p. (Zamechatel'nye geografy i puteshestvenniki)

EXPLOSIONS

Korobeinikov, V. P., P. I. Chushkin, and K. V. Sharovatova. [Tables of gas dynamic functions of the initial stage of a point explosion] Tablitsy gazodinamicheskikh funktsii nachal'noi stadii tochechnogo vzryva. Moskva, 1963. 57 p. (Akademiia nauk SSSR. Vychislitel'nyi tsentr. Soobshchenila po vychislitel'noi matematike, no. 2)

EXPLOSIVE FORMING—SAFETY MEASURES

Safety measures in explosive forming. A. S. Bobkov. Mashinostroitel' no. 10:40-41 O '63.

EXPLOSIVES

Characteristics of the thermal decomposition of dinitrohydroxyethylnitramine [with summary in English]. B. S. Svetlov, B. A. Lur'e. Zhur. fiz. khim. 37 no. 9: 1979-1984 S '63.

Study of the burning to detonation transition of explosives. Part 2. On the stability of the normal combustion of powdered explosives [with summary in English]. K. K. Andreev, V. V. Gorbunov. Zhur. fiz. khim. 37 no. 9: 1958-1965 S '63.

EXTRACTION (CHEMISTRY)

Composition of extractable inner-complex compounds [with summary in English]. V. I. Kuznetsov, Ni Chzhao-ai [Ni Chao-ai]. Zhur. anal. khim. 18 no. 8:915-919 Ag '63.

Dynamics of gossypol extraction. A. L. Markman and others. Masl.-zhir. prom. 29 no. 11:13-15 N '63.

Dynamics of the extraction of substances from porous materials. M. V. Tovbin, B. S. Radovskii, Z. M. Tovbina. Ukr. khim. zhur. 29 no. 11:1135-1142 '63.

Extraction of calcium by means of azo-azoxy-butylnaphthalene in the presence of polar solvents [with summary in English]. F. P. Gorbenko, V. V. Sachko. Zhur. anal. khim. 18 no. 10:1198-1205 O '63.

Extraction system $Th(NO_3)_4$ - HNO_3 - H_2O - $(C_4H_9O)_3PO$ at 25°C studied by means of extraction rays. A. V. Nikolaev, IU. A. Afanas'ev, A. I. Riabinin. Dokl. AN SSSR 152 no. 5:1115-1117 O '63.

On the capillary impregnation of spherical granules and diffusion extraction while in the stage of capillary impregnation. B. V. Deriagin, M. A. Al'tshuler. Dokl. AN SSSR 152 no. 3:651-654 S '63.

Screening experiments in the study of separation of zirconium and hafnium by extraction with tributyl phosphate. IU. V. Granovskii and others. Zav. lab. 29 no. 10.1220 '63.

Some problems involved in using zone melting for the preparation of analytical concentrates [with summary in English]. Sh. I. Poizuiaev, E. E. Konovalov. Zhur. anal. khim. 18 no. 10:1155-1160 O '63.

Use of naphthenic acids as extractants of metals to recover from aqueous solutions. G. Kh. Efendiev, R. A. Alekperov. Azerb. khim. zhur. no. 3:117-124 '62.

EXTREMITIES (ANATOMY)

Fixation of the extremities in the treatment of spastic contractures. S. A. Kalinina. Vest. khir. 91 no. 7:74-76 Jl '63.

Prehensile extremities of arthropods, their formation and function [with summary in German]. M. IA. Ass. Zool. zhur. 42 no. 9:1346-1362 '63.

EXTREMITIES (ANATOMY)—FRACTURES

Internal fixation in bone fractures of the extremities by means of metallic rods in childhood. B. I. Gaidai. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:126-128 '59.

Intraosseous anesthesia in injuries of the extremities. IU. G. Abramov. Ortop., travm. i protez. 24 no. 6:51-52 Je '63.

EXTREMITIES (ANATOMY)—WOUNDS AND INJURIES

Dermatoplasty by means of a "sleeve flap" in treating sequelae of traumatic injuries of the locomotor apparatus in children. M. I. Sinilo. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:137-140 '59.

Intraosseous anesthesia in injuries of the extremities. IU. G. Abramov. Ortop., travm. i protez. 24 no. 6:51-52 Je '63.

Vascular suture in lesions of the blood vessels of the extremities [with summary in English]. O. I. Chernikov. Vest. khir. 90 no. 6:88-94 Je '63.

Vascular suture in lesions of the blood vessels of the extremities [with summary in English]. IU. V. Novikov. Vest. khir. 90 no. 6 95-98 Je '63.

EXTREMITIES, LOWER—ABNORMITIES AND DEFORMITIES

Differential diagnosis of myelodisplasia. I. V. Zenchenko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:89-91 '59.

EXTREMITIES, LOWER—DISEASES

Some trophic disturbances in the lower extremities in injury of the femoral nerve, an anatomical experimental study (a preliminary report). T. M. Kapustina. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:337-342 '59.

EXTREMITIES, UPPER—DISEASES

Occupational diseases of the hand and arm in locksmiths and assembly men of a furniture factory. A. P. Tiukina, IU. A. Veshchagin. Gig. truda i prof. zab. 7 no. 1:53-56 Ja '63.

EXTRUSION (METALS)

Analyzing formulas for the determination of forces needed for rod extrusion. M. Z. Ermanok, L. S. Skoblov. TSvet. met. 36 no. 10:78-80 O '63.

Cold extrusion of electrodes. I. I. Karpiles. Avt. prom. 29 no. 11:37 N '63.

Extrusion instead of machining. A. B. Novikov. Avt. prom. 29 no. 11:41-42 N '63.

Possibility of using sodium stearate and its substitutes as lubricants in the extrusion of light alloys. I. P. TSipulin. Trudy MATI no. 57:27-39 '63.

EYE

Effect of SHF on the organ of vision. S. F. Belova. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1 41-42 '60.

EYE—DISEASES AND DEFECTS

Intranasal alcohol novocaine injection in some eye diseases. M. V. Isaian, G. A. Babaian. Zhur. eksp. i klin. med. 3 no. 4,69-76 '63.

State of the fundus oculi in spastic paralysis and athetosis. M. V. Zaikova. Eksp. issl. po fiziol., biokhim. i farm. no. 3 79-82 '61.

EYE—SURGERY

Technique of enucleation of the eye. M. E. Kashak, I. V. Morkhat. Zdrav Bel 9 no. 3:53-54 Mr '63.

EYE—TUMORS

Study of eye melanoblastoma in tissue cultures [with summary in English]. R. K. Marmur. Vop. onk. 9 no. 7:36-41 '63.

EYEGLASSES

Eyeglasses and safety. Za bezop. dvizh. 6 no. 11:13 N '63.

FACE—SURGERY

Mukhin, M. V., ed. [Operative maxillofacial surgery] Operativnaia cheliustno-litsevaia khirurgiia. Leningrad, Medgiz, 1963. 358 p. (DNLM)

FACE—WOUNDS AND INJURIES

Analysis of injuries of the maxillofacial area in miners and some late results of compound treatment. F. L. Gardashnikov. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:161-164 '59.

Burns on the face and the neck. M. V. Mukhin. Med. sestra 22 no. 10:13-19 O '63.

FACIAL NERVE—DISEASES

Surgical restriction of the function of the mimetic muscles in the intact half of the face in lesions of the facial nerve [with summary in English]. A. T. Titova. Vest. khir. 90 no. 6:60-66 Je '63.

FACIAL PARALYSIS see Paralysis, Facial

FACTORIES—AIR CONDITIONING

Vlasov, P. F. [Ventilation, air-conditioning and pneumatic conveying in tobacco factories] Ventiliatsiia, konditsionirovanie vozdukha i pnevmaticheskii transport na tabachnykh fabrikakh. Moskva, Pishchepromizdat, 1963. 155 p.

FACTORIES—COMMUNICATION SYSTEMS

Standard equipment of central control points of plants and construction projects. IU. IU. Budantsov. Stroi. i dor. mash. 8 no. 11:13-16 N '63.

FACTORIES—DESIGN AND CONSTRUCTION

Ways of increasing labor productivity in newly built enterprises. V. S. Solomko. Bum. prom. 38 no. 11:3-4 N '63.

FADDEY ISLAND—SOILS—ANALYSIS

Soils in the northeastern part of Faddey Island. I. S. Mikhailov. Probl. Arkt. i Antark. no. 14 75-82 '63.

FALLOPIAN TUBES—CANCER

Primary cancer of the Fallopian tube. I. M. Mazitov. Kaz. med. zhur. no. 5:78-79 S-O '63.

Primary cancer of the tuba uterina. F. M. Sahirov. Kaz. med. zhur. no. 5 79-80 S-O '63.

FALLOWING see subdivision under Alma-Ata Province

FAMILY see subdivision under Kazakhstan; Soviet Central Asia

FAMINES

F. Nansen's relief work for famine-stricken Russia, 1921-1922. Submitted by N. P. Barinov, B. P. Gerasimov. Ist. arkh. 8 no. 3:57-69 My-Je '62.

FANS, ELECTRIC—SAFETY MEASURES

Zakharov, P. A. [Safety manual for fan installers] Pamiatka po tekhnike bezopasnosti dlia slesarei — ventiliatsionnikov. Moskva, Gosstroiizdat, 1963. 15 p. (Tekhnika bezopasnosti v stroitel'stve)

FANS, MECHANICAL

Galimzianov, F. G. [Fans: atlas of designs] Ventiliatory, atlas konstruktsii. Spravochnoe posobie. Moskva, Mashgiz, 1963. 143 p.

FAR EAST, SOVIET see Soviet Far East

FARM BUILDINGS see subdivision under Ukraine

FARM BUILDINGS—HEATING AND VENTILATION

Senkov, F. V., N. P. Smirdina, and L. N. Lobanova. [Heating and heat supply of farm buildings and installations] Otoplenie i teplosnabzhenie sel'skikh zdanii i sooruzhenii. Moskva, Gosstroiizdat, 1963. 146 p.

FARM MANAGEMENT—AUDIO-VISUAL AIDS

[Study collective and state farm economics] Izuchai ekonomiku kolkhoza i sovkhoza, nagliadnoe posobie. [Moskva] Gospolitizdat, 1963. 47 p.

FARM MANAGEMENT—HANDBOOKS, MANUALS, ETC. see subdivision under Ukraine

FARM MANURE

Krepis, I. B. [Fuel and fertilizer plants] Fabriki topliva i udobrenii. Moskva, Izd-vo "Znanie," 1963. 29 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no. 18)

FARM MANURE—TRANSPORTATION see subdivision under Maritime Territory

FARM MECHANIZATION

(see also subdivision under Alapayevsk District; Isbaskentskiy District; Kemerovo Province; Kursk District; Labinsk District; Syr Darya District)

A book of inadequate value. M. Kucherenko. Part. zhizn' no. 23:70-71 D '63.

Economic problems of the over-all mechanization of stockbreeding. M. A. Lebedev. Uch. zap. Orekh.-Zuev. ped. inst. 20 no. 3:77-108 '63.

Increase the rate of overall mechanization. A. Bzhevskii. Tekh. v sel'khoz. 23 no. 9,1-3 S '63.

Oleksandr Romaniuk is confident. Ukraina no. 12:6 Je '62.

Scientific bases for the highly productive utilization of tractor aggregates. P. Klemyshev. Ekon. sel'khoz. 34 no. 11:115-117 N '63.

Standard regulation on issuing bonuses to administrative, engineering and technical workers and employees of regional units and branches of the Farm Mechanization Agency "Sel'khoztekhnika." Biul. Gos. kom. po vop. truda i zar. platy no. 11:7-10 '63.

Vainer, M. G., and V. P. Alfer'ev. [Supply of equipment and machinery in U. S. S. R. agriculture] Material'no-tekhnicheskoe snabzhenie sel'skogo khoziaistva SSSR. Moskva, Ekonomizdat, 1963. 174 p.

FARM MECHANIZATION—CONGRESSES

Academic conference on the over-all mechanization of agricultural production. E. Kiots. Ekon. sel'khoz. 34 no. 11:125-126 N '63.

FARM MECHANIZATION—FINANCE

Efficiency of capital investments in the means of mechanization. I. Shikhov. Plan. khoz. 40 no. 11:38-42 N '63.

FARM MECHANIZATION—STUDY AND TEACHING

Let's expand training farms. G. Moskalets. Prof.-tekh. obr. 20 no. 10:25 O '63.

FARM MECHANIZATION—TEACHER TRAINING

Every school should share in the practice of the best. P. Romanov. Prof.-tekh. obr. 20 no. 10:22-23 O '63.

FARM MANAGEMENT

Strengthen and expand the communal economy in every way possible. Ekon. sel'khoz. 34 no.11:1-7 N '63.

FARM PRODUCE—MARKETING

Collective farm market; a report in pictures. Zdorov'e 9 no.10,16-17 O '63.

Private sector of Soviet farming. S. S. Kabysh. Mat. i soob. issl. otd Inst. po izuch. SSSR no. 19/50 42-54 S-O '63.

FARM PRODUCE—STORAGE

[Use of refrigeration for the preservation of agricultural products] Primenenie kholoda dlia khraneniia sel'skokhoziaistvennykh produktov. Moskva, Sel'khozizdat, 1963. 53 p.

FARM PRODUCE—TRANSPORTATION

Khodasevich, B. G. [Economics of agricultural transportation] Ekonomika sel'skokhoziaistvennykh perevozok. Moskva, Ekonomizdat, 1963. 196 p.

FARMS—VALUATION

(see also subdivision under White Russia)

Scientific bases of land classification according to its crop producing ability. K. V. Zvorykin. Geog. i khoz. no. 12 3-8 '63.

FASHIONS

[Fashion magazine] Zhur. mod 19 no. 3 Winter '63-'64.

FAT METABOLISM

Effect of antidiabetic sulfanilamide preparations on fat and lipoid metabolism in diabetes mellitus. E. E. Trunchenkova. Klin. med. 41 no. 7-63-67 Jl '63.

FATE AND FATALISM

Surapbergenov, Amanbai. [Divine predestination and fatalism in Islam] Bozhestvennaia predopredelennost', fatalizm v islame. Alma-Ata, Kazakhskoe gos. izd-vo, 1961. 43 p.

FATIGUE

Characteristics of the recuperative period in children and adolescents. V. M. Volkov. Probl. fiz. sporta no. 2:179-191 '61.

FATIGUE TESTING MACHINES

Fatigue testing machines for reverse-bend test at elevated temperatures. L. A. Kozlov. Zav. lab. 29 no. 11:1366-1372 '63.

FATTY ACIDS see Acids, Fatty

FAULTS (GEOLOGY)

(see also subdivision under Megri District; Pamirs; *Turkmenistan*)

Danilovich, V. N. [Belt method studying jointing associated with fault displacements, methodological manual] Metod poiasov v issledovanii treshchinovatosti, sviazannoi s razryvnymi smeshcheniiami, metodicheskoe rukovodstvo. Irkutsk, 1961. 46 p. (Materialy po geologii i poleznym iskopaemym Irkutskoi oblasti, no. 3(20))

[MICROFILM]

Direction of normal and tangential stresses producing tectonic fractures. G. S. Avakian. Izv. AN Arm. SSR, Geol. i geog. nauki 16 no. 4/5:55-61 '63.

FEATHERS

Investigation of the fine structure of feathers by means of the FMN-2 apparatus [with summary in English]. V. D. Il'ichev. Zool. zhur. 42 no. 10:1584-1585 '63.

FECES—MICROBIOLOGY

Characteristics of the virus isolated from feces of a patient with epidemic hepatitis (strain K3) [with summary in English] V. A. Ananiev and others. Vop. virus. 8 no. 2:217-221 Mr-Ap '63.

FEDERATION OF RHODESIA AND NYASALAND see Rhodesia and Nyasaland

FEDIN, KONSTANTIN ALEKSANDROVICH, 1892-

Novel about the heroism of people. K. Afanas'ev. Zvezda no. 5:195-200 My '62.

FEDOROV, EVGRAF STEPANOVICH, 1853-1919

Evgraf Stepanovich Fedorov, a great scholar. A. A. Ivanov. Zap. Ural. otd. Geog. ob-va SSSR no. 2:3-12 '55.

FEDOROVSKIY DISTRICT—VILLAGES

Changes in the geography of rural settlement in the old populated districts of the Virgin Territory; based on the example of Fedorovskiy District, Kustanay Province. V. S. Valov. Geog. i khoz. no. 12:13-18 '63.

FEED MECHANISMS—TESTING

Universal unit for testing vibratory feeders. V. I. Gavriliuk. Mashinostroenie no. 6:92-93 N-D '63.

FEED MILLS

The AMK-2 small-size mixed feed aggregate. N. Semenov. Ekon. sel'khoz. 34 no. 11:77-78 N '63.

FEEDING

(see also subdivision under Ryazan Province)

Dmitrochenko, A. P. [Manual of practical exercises in the feeding of farm animals] Rukovodstvo k prakticheskim zaniatiiam po kormleniiu sel'skokhoziaistvennykh zhivotnykh. Moskva, Sel'khozizdat, 1963. 286 p. (DNAL)

[Growth stimulators for farm animals] Stimuliatory rosta sel'skokhoziaistvennykh zhivotnykh [By] K. M. Solntsev i dr. Moskva, Sel'khozizdat, 1963. 290 p. (DNAL)

FEEDING—EQUIPMENT AND SUPPLIES

Batcher-feeder. B. Ianushkevich, M. Lipnitskii, V. Rozum. Tekh. v sel'khoz. 23 no. 9:34-36 S '63.

FEEDING—TABLES, CALCULATIONS, ETC.

Calculating the optimal ratio of mixed feed ingredients (balancing) as related to their amino acid composition. D. I. Marnov. Trudy VNIIZ no. 43 119-136 '63.

FEEDS

(see also subdivision under Chimbay District; Tamdynskiy District; Volyn' Province)

Dudkin, M. S. [Production of feed products from the waste of grain processing] Poluchenie kormovykh produktov iz otkhodov pererabotki zerna. Moskva, 1963. 54 p.

Information. Vest. sel'khoz. nauki 8 no. 6:147-156 Je '63.

Production of protein-carbohydrate fodder from straw and corncobs [with summary in English on p. 165]. L. I. Komarova, K. A. Vasil'eva, P. N. Fisher. Sbor. trud. NIIGS 11:49-57 '63.

Using mathematical machines for obtaining optimum recipes of feed mixtures. S. A. Soloid. Trudy Od. tekh. inst. 14:87-101 '62.

FEEDS—ANALYSIS

Ivanov, A. P. [Chemical analysis of fishes and their feeds; practical manual for pisciculturists] Khimicheskii analiz ryb i ikh kormov, prakticheskoe rukovodstvo dlia rybovodov. Moskva, Rybnoe khoziaistvo, 1963. 38 p. (DNAL)

FEEDS—MICROBIOLOGY

Mycoflora of feeds causing stachybotryotoxicosis of cattle. A. V. Gvozdov. Nauch. trudy Uch. chasti UASHN 27 no. 19:23-32 '62.

FEEDWATER

Phase equilibrium in some heterogenous reactions of calcium in magnesium compounds. O. I. Martynova, IU. F. Samoilov. Izv. vys. ucheb. zav.; energ. 6 no. 9:85-90 S '63.

Utilization of the heat of scavenging water. G. I. Koziulev, S. I. Shuev. Prom. energ. 18 no. 11:6-7 N '63.

FEEDWATER PURIFICATION

Design of apparatus for the magnetic feed water treatment. A. I. Shakhov, A. N. Muzychenko, S. S. Dushkin. Izv. vys. ucheb. zav.; energ. 6 no. 9:115-118 S '63.

Effect of low-frequency oscillations on the purity of the heating surface of a rocking heater. Z. I. Geller, V. I. Ashikhmin. Izv. vys. ucheb. zav.; energ. 6 no. 10:130-132 O '63.

Electromagnetic treatment of boiler feedwater. V. I. Kulachkov. Prom. energ. 18 no. 11:32 N '63.

Magnetic treatment of boiler feedwater. F. I. Belan, M. V. Ilovaiskaia. Prom. energ. 18 no. 11:33-37 N '63.

Method for preventing slime formation. K. V. Mataruev. Bum. prom. 38 no. 11:18-19 N '63.

Operation of a magnesite unloading and transporting system. S. I. Trusov, A. F. Dvornikov. Elek. sta. 34 no. 10:79-80 O '63.

Operation of automatic reagent proportioning devices in water purifying systems. A. F. Belokonova. Elek. sta. 34 no. 10:80-81 O '63.

Sodium tripolyphosphate treatment of the water for the circulating systems of water coolers. V. P. Tseidler. *Koks i khim.* no. 11:54-57 '63.

FELON (DISEASE)

Subungual paronychia in children. L. L. Gol'dzand. Vest. derm. i ven. 37 no. 7:77-78 Jl '63.

FEMORAL ARTERY—WOUNDS AND INJURIES

Rare case of an injury of the femoral artery. A. V. Putintsev. Sud.-med. ekspert. 6 no. 4:47 O-D '63.

FEMORAL NERVE—WOUNDS AND INJURIES

Some trophic disturbances in the lower extremities in injury of the femoral nerve; an anatomical experimental study (a preliminary report). T. M. Kapustina. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:337-342 '59.

FEMUR—ABNORMITIES AND DEFORMITIES

Oblique intertrochanteric osteotomy and transposition for correction of varus distortions of the femur neck. V. A. Shturm. Ortop., travm. i protez. 24 no. 6:57-58 Je '63.

FEMUR—FRACTURE

Naumovich, S. S. [Surgical treatment of fractures of the femoral neck] Operativnoe lechenie perelomov sheiki bedra. Minsk, Gosizdat BSSR, 1963. 76 p. (DNLM)

FEMUR—HYDATIDS

Calcified unicamerate echinococcosis of the femur. N. N. Granovskaia, V. M. Sakharova. Vest. rent. i rad. 38 no. 5:70 S-O '63.

FEMUR—INNERVATION

Innervation of the periosteum and the hip bone. I. A. Smirnova. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:311-316 '59.

FEMUR—RADIOGRAPHY

Calcified unicamerate echinococcosis of the femur. N. N. Granovskaia, V. M. Sakharova. Vest. rent. i rad. 38 no. 5:70 S-O '63.

FERGANA—BRONZE AGE

New Bronze Age objects from the Fergana Valley. Ir. G. Chulanov. Sov. arkheol. 7 no. 4 101-109 '61.

FERGANA—CONSTRUCTION INDUSTRY

For the construction of cheap, durable, and beautiful buildings. M. Khalin. Part. zhizn' (Uzb.) 5 no. 10 59-61 O '62.

FERGANA—GAS, NATURAL

Starobinets, I. S., and F. Z. Sagidova. [*Geochemistry of oils and gases in the Fergana Valley*] Geokhimiia nefti i gazov Ferganskoi depressii. Tashkent, Izd-vo Akad nauk UzSSR, 1963. 155 p.

FERGANA—GAS, NATURAL—*GEOLOGY*

Verzilin, N. N. [Cretaceous sediments in the northern part of the Fergana Valley and their oil potential] Melovye otlozheniia severa Ferganskoi vpadiny i ikh neftenosnost'. Leningrad, Gostoptekhizdat, 1963. 219 p. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, vol. 70, no. 2)

FERGANA—IRRIGATION LAWS

Kunakova, L. Z. [Land and water reform in Fergana, 1925-1926] Zemel'no-vodnaia reforma v Ferganskoi doline, 1925-1926 gg. Osh, Gospedinstitut, 1962. 191 p.

FERGANA—LAND TENURE

Kunakova, L. Z. [Land and water reform in Fergana, 1925-1926] Zemel'no-vodnaia reforma v Ferganskoi doline, 1925-1926 gg. Osh, Gospedinstitut, 1962. 191 p.

FERGANA—PETROLEUM

Starobinets, I. S., and F. Z. Sagidova. [Geochemistry of oils and gases in the Fergana Valley] Geokhimiia nefti i gazov Ferganskoi depressii. Tashkent, Izd-vo Akad nauk UzSSR, 1963. 155 p.

FERGANA—PETROLEUM GEOLOGY

Verzilin, N. N. [Cretaceous sediments in the northern part of the Fergana Valley and their oil potential] Melovye otlozheniia severa Ferganskoi vpadiny i ikh neftenosnost'. Leningrad, Gostoptekhizdat, 1963. 219 p. (Leningradskoe obshchestvo estestvoispytatelei. Trudy, vol. 70, no. 2)

FERGANA—TEXTILE WORKERS—EDUCATION AND *TRAINING*

Efficiency is the most important factor in political education. E. Zasypkin. Part. zhizn' (Uzb.) 6 no. 19, 47-49 O '63.

FERMENTATION

Effect of fillers on the activity of some species of yeasts of the genus Saccharomyces. D. L. Shamis, R. M. Kazadina, L. K. Zaitseva. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7,51-57 '63.

From the technical and scientific literature. G. I. Osman. Spirt. prom. 29 no. 7:40-42 '63.

Role of micro-organisms in raising the nutritive value of millet. D. L. Shamis and others. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:16-21 '63.

Viscosity and density of enzyme solutions. A. I. Maltchenko, L. N. Aganesova. Spirt. prom. 29 no. 7 1-3 '63.

FERMENTATION—EQUIPMENT AND SUPPLIES

Apparatus for growing mold fungi cultures by the lop method. A. V. Solov'ev. Spirt. prom. 29 no. 7-31-33 '63.

FERRATES see Ferrites (Magnetic materials)

FERRITE

Study of nondestructive interrogation of ordinary ferrite toroids. E. I. Iliashenko. NTI no. 9:27-31 '63.

FERRITES (MAGNETIC MATERIALS)

Effect of hydrostatic pressure on the susceptibility of copper-zinc ferrites. N. N. Sirota, IU. M. Khachaturian. Fiz. tver. tela 5 no. 11:3110-3112 N '63.

Ferrites with rectangular hysteresis loops for electrostatic physical apparatus. S. D. Baikov and others. Magnitn. izm. sist. v iad. fiz. no. 5:158-164 '63.

Kravchenko, L. D. [Transfluxors in remote control systems] Transfliuksory v ustroistvakh teleupravleniia. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1963. 81 p. (Biblioteka po avtomatike)

FERROCENE

Addition of silicon hydrides to dimethylallylferrocenylsilane in the presence of H_2PtCl_6. A. D. Petrov and others. Dokl. AN SSSR 152 no. 5 1118-1121 O '63

Synthesis of 1-ferrocenoyl-2-carbomethoxyethylene. A. N. Nesmeyanov, V. D. Vil'chevskaia, N. S. Kochetkova. Dokl. AN SSSR 152 no. 3:627-628 S '63.

FERROCENE—ABSORPTION SPECTRA

Integral intensities of infrared absorption bands of certain characteristic vibrations of cyclopentadienyl rings in ferrocene derivatives. G. G. Dvoriantseva, M. I. Struchkova, IU. N. Sheinker. Dokl. AN SSSR 152 no. 3: 617-620 S '63.

FERROELECTRIC CRYSTALS

Bipolar pulse generators for studying ferroelectrics. D. A. Tambovtsev, A. S. Novoselov. Prib. i tekh. eksp. 8 no. 5:125-127 S-O '63.

FERROELECTRIC SUBSTANCES

Consideration of hysteresis losses in the oscillations of systems containing nonlinear seignetoelectric elements. A. L. Khodakov, A. V. Turik. Izv. vys. ucheb. zav., elektromekh. 6 no. 9:1032-1039 '63.

Ferroelectric substances with regulated specific inductive capacitance in a wave guide. IU. M. Poplavko. Radiotekhnika 18 no. 10 22-29 O '63.

Oscillations in a circuit with an asymmetrical characteristic, allowing for the lower bend of the nonlinear characteristic and hysteresis. A. V. Turik. Izv. vys. ucheb. zav.; radiofiz. 6 no. 5:1068-1069 '63.

Quantum effects in ferroelectric substances with hydrogen bonds. V. Kh. Kozlovskii. Fiz. tver. tela 5 no. 11: 3294-3300 N '63.

FERROELECTRIC SUBSTANCES—THERMODYNAMIC PROPERTIES

Thermodynamic theory of domain walls in perovskite type ferroelectrics. L. N. Bulaevskii. Fiz. tver. tela 5 no. 11 3183-3187 N '63.

FERROMAGNETIC RESONANCE

Quantum statistical theory of ferromagnetic resonance. O. A. Ol'khov, B. N. Provotorov. Dokl. AN SSSR 152 no. 3:591-594 S '63.

FERROMAGNETISM

Comparing methods of magnetic metallography. L. G. Apolonnikova. Sbor. trud. TSNIICHM no. 32:124-128 '63.

Thermodynamic theory of magnetoelastic properties of antiferromagnetic materials. Part 2: Piezomagnetic and cubic antiferromagnetic materials. A. I. Mitsek. Fiz. met. i metalloved. 16 no. 4:501-508 O '63.

FERTILIZER INDUSTRY

(see also subdivision under Bashkiria; Nevinnomyssk; White Russia)

The struggle for fertilizers is a struggle for bread! Komsom. zhizn' no. 20:1-7 O '63.

Where the fundamental basis of agriculture is created; report of Z. Lebovich from the Voskresensk Chemical Combine. Vest. vys. shkoly 21 no. 11:18-25 N '63.

FERTILIZER SPREADERS

The scientific council met on a collective farm. N. Ivanov. Sel'. mekh. no. 10,14-15 O '63.

FERTILIZERS AND MANURES

(see also subdivision under Hungary; Tashkent Province; White Russia)

Chemistry, soil, crops. A. Fedorova. Tekh. mol. 31 no. 11,6-8 '63.

Comparative characteristics of the action of simple and compound fertilizers in vegetation and field experiments. K. V. Kalinin. Dokl. TSKHA no. 47:35-40 '59.

The complete utilization of raw materials in nonferrous metallurgy is the basis for a rapid increase in the production of mineral fertilizers. A. A. Molchanov. TSvet. met. 36 no. 10:1-5 O '63.

Effect of green and farm manures on the dynamics of readily hydrolizing nitrogen and soil phosphates accessible to plants. V. E. Shevchuk. Izv. ISKHI no. 14:73-83 '59.

Effectiveness of trace element fertilizers in the form of frits. G. L. Neliubova, N. K. Sidorova. Dokl. TSKHA no. 47:21-27 '59.

The 11th Prianishnikov Lecture. E. I. Shkonde. Pochvovedenie no. 11:111-113 N '63.

Gold below the slope. P. Kazakov, N. Khrestin. NTO 5 no. 11:38-40 N '63.

Immediate tasks in the use of fertilizers in the U. S. S. R. I. V. Gulikin. Dokl. TSKHA no. 47:5-12 '59.

Increasing the effectiveness of mineral fertilizers in organic-mineral mixtures. M. A. Korovkin. Dokl. TSKHA no. 47:49-56 '59.

Irrigated lands are our wealth; secretaries of rural territorial committees of the Communist Youth League tell about the League's activities and plans. N. Golub' and others. Komsom. zhizn' no. 22:2-5 N '63.

Plants are growing faster. Mykhailo Latyshev. Ukraina no. 16-17 Ag '62.

Prianishnikov, D. N. [Selected works in three volumes] Izbrannye sochineniia v trekh tomakh. Moskva, Sel'khozizdat, 1963.

Vol. 3. [General problems of agriculture and chemicalization] Obshchie voprosy zemledeliia i khimizatsii. 1963. 644 p. (DNAL)

Use mineral fertilizers taking into consideration the characteristics of cultures and zones. N. Baranov, N. Mikhailov. Ekon. sel'khoz. 34 no. 11:25-35 N '63.

Using trace element fertilizers in gray slightly saline loamy forest soils of Irkutsk Province. V. E. Shevchuk. Izv. ISKHI no. 14,17-29 '59.

FERTILIZERS AND MANURES—HANDLING

The ISU-4 mineral fertilizer grinder-mixer. V. Valuev, N. Matiuto. Ekon. sel'khoz. 34 no. 11:75-76 N '63.

FETUS

Arteries in some bones of the facial portion of the skull in the human fetus. A. N. Galazova, L. N. Plebrazhenskaia. Zdrav. Bel 9 no. 3:28-31 Mr '63.

Auscultation of the fetal heart beat as a method of determining the location of the placenta. M. IA. Martynshin. Kaz. med. zhur. no. 5:60-62 S-O '63.

Changes in the fetal heartbeat during the first stage of labor, phonocardiographic study. L. I. Akkerman. Akush. i gin. 39 no. 1:95-99 Ja-Ag '63.

FETUS—DISEASES

Bodiazhina, V. I. [Problems of the etiology and prevention of disorders in the development of the fetus] Voprosy etiologii i profilaktiki narushenii razvitiia ploda. Moskva, Medgiz, 1963. 205 p. (DNLM)

Structural changes in the pia mater in fetuses and newborn infants in asphyxia. E. A. Odintsova. Zdrav. Bel 9 no. 3 36-37 Mr '63.

FETUS, DEATH OF

Changes in the capillary bed of the liver in fetuses and newborn of white rats in asphyxia [with summary in English]. A. A. Cheremnykh. Arkh. pat. 25 no. 7:53-61 '63.

FETUS, EFFECT OF RADIATION ON

"Effect of ionizing radiation on the sexual glands, pregnancy and intrauterine fetus" by V. I. Bodiazhina and others. Reviewed by E. P. Ivanitskaia. Akush. i gin. 39 no. 1:143 Ja-Ag '63.

FEUDALISM

(see also subdivision under Great Britain)

Summing up the discussion of the "ascending" and "descending" stages of feudalism [with summary in English, p. 220]. M. V. Nechkina. Vop. ist. 38 no. 12: 31-51 D '63.

FIBERGLASS BOATS

Passenger motorship made of plastics. M. Avrukh. Rech. transp. 22 no. 11:30-31 N '63.

FIBRIN

Effect of blood fibrin on experimental regeneration of osseous tissue. L. A. Ripiakh. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15,331-336 '59.

FIBRINOGEN

Amniotic acid embolism, associated afibrinogenemia and acute renal insufficiency [with summary in English]. G. E. Gofman, E. M. IUsim. Akush. i gin. 39 no. 4:85-89 Jl-Ag '63.

FIBROBLASTS

Spontaneous chromosome injuries in embryonic human fibroblasts in vivo and in vitro. A. A. Prokof'eva-Bel'govskaia, I. V. Veshneva. Dokl. AN SSSR 153 no. 2:457-459 N '63.

FIBULA see subdivision under Crimea

FIBULA (ARCHAEOLOGY)

Chronology of certain types of the Zarubintsy Culture articles as well as those of contemporary cultures. D. A. Machinskii. Krat. soob. Inst. arkheol. no. 94:20-26 '63.

FICHTE, JOHANN GOTTLIEB, 1762-1814

Dialectic of freedom and necessity in the philosophy of Fichte. V. F. Asmus. Nauch. dokl. vys. shkoly; filos. nauki 6 no. 5:67-74 '63.

FICTION

The novel and a discussion of its literary form. D. V. Zatons'kyi. Rad. lit. 7 no. 5:18-32 N-D '63.

FIELD CROPS

Gorin, A. P., ed. [Manual on field work in the breeding and seed production of field crops] Rukovodstvo k prakticheskim zaniatiiam po selektsii i semenovodstvu polevykh kul'tur. [By] A. P. Gorin i dr. Moskva, Sel'khozizdat, 1963. 574 p. (DNAL)

FIELD CROPS—FERTILIZERS AND MANURES see subdivision under Oka Valley

FIELD MICE see subdivision under Selenga Delta

FIELD THEORY

Movement of particles in a centrally symmetrical static field in the general theory of relativity. S. L. Gaikin. Izv. vys. ucheb. zav., fiz. no. 3 54-62 '63.

FIELDS, ALGEBRAIC

Proof of an analog of Mordell's hypothesis for algebraic curves over functional fields. IU. I. Manin. Dokl. AN SSSR 152 no. 5 1061-1063 O '63.

FIG INSECT

Negative effect of the fig insect Blastophagus piniperda on the increment of pine. J. Michalski, Z. Witkovski. Les. khoz. 16 no. 9,50 S '63.

FIGHTER PLANES

Fighters of the stratosphere. Sov. voin 41 no. 2:38-40 Ja '62.

FILIPPOV FAMILY

Grandchildren of a worker. IU. Semenov. Ogonek 41 no. 45,2-3 N '63.

FILLERS (CHEMICAL TECHNOLOGY)

Fillers for P. V. C. plasticizers and resin mixtures from new types of rubber for the electrical insulation of cables. B. A. Murashev. Trudy IGEM no. 95:86-92 '63.

Fillers for plastics. L. V. Pevzner. Trudy IGEM no. 95 93-97 '63.

Mineral fillers in paper production and their industrial specifications. S. N. Ivanov. Trudy IGEM no. 95 98-103 '63.

Mineral substances used as fillers for powdered insecticides. S. M. Shogam, V. I. Orlov, E. I. Fen'kova. Trudy IGEM no. 95:113-119 '63.

Natural mineral fillers; resources, possible kinds, and geological research problems. V. P. Petrov. Trudy IGEM no. 95:7-28 '63.

Resolutions of the First Interdepartmental Conference on Mineral Fillers. Trudy IGEM no. 95:120-123 '63.

Resources of amphibole asbestos and possibilities of their utilization as fillers. IU. K. Andreev. Trudy IGEM no. 95:61-70 '63.

Technical requirements in regard to the fillers for the production of graphite pencils. A. S. Antonova. Trudy IGEM no. 95:110-112 '63.

Use of natural mineral fillers in the rubber industry. A. S. Novikov, M. V. Koloskova. Trudy IGEM no. 95: 79-87 '63.

Using fillers in the varnish and paint industry. E. F. Belen'kii. Trudy IGEM no. 95,104-109 '63.

FILTER PRESSES

Use of automated filter presses for the separation of suspensions in the production of phosphorus salts. A. G. Solfinov, A. M. IUdin. Khim. prom. no. 9:709-710 S '63.

FILTERS AND FILTRATION

Experience in the adjustment of the work of water preparation filters. V. N. Klochkov. Sakh. prom. 37 no. 10:26-27 O '63.

Filtering diesel fuels. A. Rudenko, K. Rybakov. Tekh. v sel'khoz. 23 no. 9:66-68 S '63.

Filtration of micelles. R. I. Spinov. Masl.-zhir. prom. 28 no. 10 32-34 O '62

Filtration of roasting gases laden with zinc oxide dust through a glass fabric. A. S. Pen'ko. TSvet. met. 36 no. 10:95-96 O '63.

Gauze filters on a spiral frame for large diameter boreholes. M. N. Fukson, F. B. Shushan. Osn., fund. i mekh. grun. 5 no. 6:28-20 '63.

Piskarev, L. V. [Filtration fibers; manufacture and uses] Filtroval'nye tkani; izgotovlenie i primenenie. Moskva, Izd-vo Akad. nauk SSSR, 1963. 188 p.

Self-cleaning, automatic filters for oil and fuel. I. A. Zaitsev, B. A. Goloburdin. Sudostroenie 29 no. 11:26-28 N '63.

Using shell-rock filters in drill holes for experimental pumping. A. K. Alimov. Za tekh. prog. 3 no. 7:36-37 Jl '63.

FINANCE

Mechanization of accounting and reports in the financial organs of the R. S. F. S. R. IU. Piskareva. Bukhg. uchet 20 no. 5:63-65 My '63.

Methods for perfecting business accounting. M. Volkov. Polit. samoobr. 7 no. 8:51-56 Ag '63.

Moscow. Finansovyi institut. [Problems of financial planning] Problemy finansovogo planirovaniia; sbornik statei. Moskva, Gosfinizdat, 1963. 141 p.

Zernov, L. S., TS. R. Ostrinskaia, and G. V. Postnikova. [Analysis of the managerial operations of enterprises] Analiz khoziaistvennoi deiatel'nosti predpriiatii. Moskva, Gosfinizdat, 1963. 167 p.

FINANCIAL STATEMENTS

Improve annual reports. V. Dianov. Bukhg. uchet 20 no. 5:29-32 My '63.

Prepare a high quality annual report on time. G. Granovskii. Bukhg. uchet 20 no. 11:1-5 N '63.

FINGERPRINTS

Dactyloscopy and identification of voice. H Hranovs'kyi Rad. pravo no. 6:56-57 N-D '63.

FINGERS—DISEASES

Fishman, L. G. [Clinical aspects and treatment of finger and hand diseases] Klinika i lechenie zabolevanii pal'tsev i kisti. Moskva, Medgiz, 1963. 301 p. (Biblioteka prakticheskogo vracha) (DNLM)

Suppurative diseases of the fingers in industry and their treatment and prophylaxis. D. P. Pil'kh. Med. sestra 22 no. 10, 21-26 O '63.

FINLAND—COMMUNIST PARTY

Protecting and expanding democracy. Inkeri Lekhtinen. Part. zhizn' no. 21 69-72 N '63.

FINLAND—COOPERATIVE SOCIETIES

Cooperative societies of Finland. Aarne Hulkkonen. Sov. potreb. koop. 7 no. 10, 58-62 O '63

FINLAND—RESTAURANTS, LUNCHROOMS, ETC.

Suomi, our northern neighbor. A. Fridliianskii, G. Klimkovich. Obshchestv. pit. no. 12:58-61 D '61.

FINNISH LANGUAGE—AFFIXES

Semantics of possessive suffixes in the Finno-Baltic and Permian languages, suffixes of the first person singular. V. S. Sukhanova. Uch. zap. Petrozav. gos. un. 7 no. 1: 285-292 '58.

FINNISH LANGUAGE—GRAMMAR

Words expressing condition in modern Finnish. V. E. Zlobina. Uch. zap. Petrozav. gos. un. 7 no. 1 261-270 '58

FINNISH LANGUAGE—SENTENCES

Impersonal sentences in modern Finnish. M. I. Mullonen. Uch. zap. Petrozav. gos. un. 7 no. 1:271-284 '58.

FINNISH LANGUAGE—WORDS

Words expressing condition in modern Finnish. V. E. Zlobina. Uch. zap. Petrozav. gos. un. 7 no. 1 261-270 '58.

FINNO-UGRIANS

Work of the Finno-Ugrian archaeology group in 1960 and 1961. K. A. Smirnov. Krat. soob. Inst. arkheol. no. 94: 111-113 '63.

FIRE CONTROL (GUNNERY)

Automatic-control attachment. N. Nikiforenko. Voen. vest. 43 no. 10 94-95 O '63.

Fire for adjustment with a scale. F. Kulakov. Voen. vest. 43 no. 10:111-112 O '63.

Shorten the time of firing for adjustment; discussion of the article in No. 6. D. Doktorovich, I. Guliaev, G. Natenzon. Voen. vest. 43 no. 10:87-88 O '63.

Simpler and more expedient. S. Kemaev. Voen. vest. 43 no. 10:112-113 O '63.

Training in terrain fire control. G. Kolesnichenko. Voen. vest. 43 no. 10:80-83 O '63.

FIRE DEPARTMENTS

(see also subdivision under Mogilev)

Price of negligence. I. Kosykh. Pozh. delo 9 no. 10:17 O '63.

FIRE DEPARTMENTS—EQUIPMENT AND SUPPLIES

Made by our comrade. I. Artemenko. Pozh. delo 9 no. 10:25 O '63.

FIRE ENGINES

Use of tanks in fire extinction. D. Kulikov, V. Ermakov. Pozh. delo 9 no. 10:18-19 O '63.

FIRE EXTINCTION

Difficult victory. G. Markov. Pozh. delo 9 no. 10:20-21 O '63.

Experiment on fire. Sov. Soiuz no. 11:50-51 '63.

Fire in a taiga workers' settlement. O. Volkov. Pozh. delo 9 no. 10:16 O '63.

FIRE EXTINCTION—CHEMICAL SYSTEMS

Wetting agents in the charge of fire extinguishers. M. Kazakov, V. Karpov. Pozh. delo 9 no. 10:23-25 O '63.

FIRE EXTINCTION—WATER SUPPLY

Air-pump fire prevention system. K. Piven'. Pozh. delo 9 no. 10:14-15 O '63.

FIRE INVESTIGATION

Shimanova, Z. E. [Technical expert examination of the causes of fires] Pozharno-tekhnicheskaia ekspertiza. Pod obshchei red. R. S. Belkina. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 85 p.

FIRE PREVENTION

Filippenko, A. V. [Safety measures and fire prevention engineering] Tekhnika bezopasnosti i protivopozharnaia tekhnika. Moskva, Gostorgizdat, 1963. 160 p.

Judge work by its results. Pozh. delo 9 no. 10:6-7 O '63

Readers' letters. Pozh. delo 9 no. 10:32 O '63.

Review and bibliography. A. Vyrikov. Pozh. delo 9 no. 10 30-31 O '63.

FIRE PREVENTION—SOCIETIES, ETC. see subdivision under Armenia

FIRE PREVENTION—STUDY AND TEACHING

Our young helpers. I. Dudnikov. Pozh. delo 9 no. 10, 28 O '63.

FIREBRICK

Service of forsterite lightweight bricks in the lining of furnace cars. V. D. TSigler, S. B. Vinokur, N. S. Mitiokhina. Ogneupory 28 no. 11 504-508 '63.

Stabilized magnesite-dolomite bricks in converter linings G. Z. Dolgina, E. P. Markevich. Ogneupory 28 no. 12 553-558 '63.

FIREMEN

Named after Vladimir Martynenko. N. Shmakov. Pozh. delo 9 no. 10:27 O '63.

FIREPROOF BUILDING see Building, Fireproof

FIREWORKS

Likhachev, V. A. [Use of pyrotechnics in motion pictures] Pirotekhnika v kino. Izd. 2., ispr. i dop. Moskva, Iskusstvo, 1963. 148 p.

FIRSOV, VLADIMIR

Good tradition. Sergei Vasil'ev. Znamia 33 no. 4:222-223 Jl '63.

FIRST AID IN ILLNESS AND INJURY

(see also subdivision under Budapest; Donetsk)

Use of intratracheal anesthesia with muscle relaxants in severe injury under conditions of emergency surgical treatment. IU. V. Shapiro. Khirurgiia 39 no. 7:121-122 Jl '63.

FISH, CANNED—COOLING

Calculating the cooling time of fried fish in a liquid cooling medium. M. IA. Dikis, T. L. Romatovskaia. Izv. vys. uchob. zav.; pishch. tekh. no. 5:83-86 '63.

FISH CULTURE

Sukhoverkhov, F. M. [Pond fish culture] Prudovoe rybovodstvo. Moskva, Sel'khozizdat, 1963. 422 p. (DNAL)

FISHERIES see subdivision under Azov, Sea of, Chany, Lake; Kazakhstan; Syamozero Lake region

FISHES

(see also subdivision under Antarctic regions; Tierra Del Fuego region)

Behavior of fish during a flood. K. A. Chumakov. Priroda 52 no. 10:101 '63.

Ivanov, A. P. [Chemical analysis of fishes and their feeds, practical manual for pisciculturists] Khimicheskii analiz ryb i ikh kormov; prakticheskoe rukovodstvo dlia rybovodov. Moskva, Rybnoe khoziaistvo, 1963. 38 p. (DNAL)

To the students of biology. M. D. Makhlin. Priroda 52 no. 10:119-120 '63.

FISHES—CLASSIFICATION

Systematic relations between European and North American anadromous clupeoid fishes of the genera Alosa, Caspialosa and Pomolobus [with summary in English]. A. N. Svetovidov. Zool zhur. 42 no. 10:1523-1538 '63.

FISHES—EMBRYOLOGY see Embryology—Fishes

FISHES—PHYSIOLOGY

Sense of smell in fishes. Sylvain Carras. Priroda 52 no. 10:104-105 '63.

FISHES, FOSSIL see subdivision under Siberia

FISHING

(see also subdivision under Arakan, Burma; Moscow region)

Fishermen's calendar. Belarus' 20 no. 9:30 S '63.

Spaniel on a hook. M. Korenchuk. Ukraina no. 12:31 Je '62.

FISHING—IMPLEMENTS AND APPLIANCES

Everything was made without outside help. L. Strokov. Ukraina no. 12:30-31 Je '62.

FISHING (IN RELIGION, FOLKLORE, ETC.) see subdivision under Turkmenistan

FISHPONDS

(see also subdivision under White Russia)

Sukhoverkhov, F. M. [Pond fish culture] Prudovoe rybovodstvo. Moskva, Sel'khozizdat, 1963. 422 p. (DNAL)

FISTULA, ARTERIOVENOUS

Case of surgical treatment of a pulsating arteriovenous hematoma of the common carotid artery. E. P. Rudin. Khirurgiia 39 no. 7:131-132 Jl '63.

FISTULA, BRONCHIAL

Hepatobronchial fistulas as a complication of hepatic echinococcosis. A. V. Ovchinnikov. Kaz. med. zhur. no. 5:70-72 S-O '63.

FISTULA, INTESTINAL

Duodeno-colonic fistula in peptic ulcer. S. P. N[illegible] Vest. khir. 91 no. 7 79-80 Jl '63.

FISTULA, PANCREATIC

Effect of diet and some drugs on the secretion of pancreatic juice from a pancreatic fistula. V. V. Vasil'chuk. Klin. med. 41 no. 7:57-63 Jl '63.

FLAVONOIDS

Significance of bioflavonoids in the treatment of experimental allergic arthritis. K. P. Efanova. Zdravookhranenie 6 no. 5 60-64 S-O '63.

FLAVORING ESSENCES

Aromatic extract. N. Voitenko. Obshchestv. pit. no. 12 38 S '63.

FLAX

(see also subdivision under Smorgon' District)

Time of treating fiber flax plantations with herbicides A. I. Monov. Dokl. TSKHA no. 17:139-145 '59

FLAX INDUSTRY—HYGIENIC ASPECTS

Sanitary, hygienic and physiological characterization of working conditions in flax and hemp factories. F. D. Bakalinskaia, N. P. Savenko. Trudy Vor. med. in-t. 47 97-99 '62.

FLEAS—EXTERMINATION

Comparative effectiveness of hexamethylenetetramine and acetyltetrahydroquinoline as protective agents against fleas in humans [with summary in English] V. T. Ostpian and others. Med. parazit. i parazit. bol. 32 no. 5 551-553 S-O '63.

FLEAS AS CARRIERS OF DISEASE see subdivision under Kazakhstan, Nikitichevan A. S. S. R.; Soviet Central Asia

FLEMING, SIR ALEXANDER, 1881-1955

The taciturn Professor Fleming. B. Mogilevskii Nov mir 38 no. 6, 274-276 Je '62.

FLEXURE

Selecting optimal cross sections of bent profiles for centrally compressed rods. IA. I. Olikov. Trudy Ural. politekh. inst. no. 131:79-87 '63.

FLIES

(see also subdivision under Kurgan Province; Tajikistan)

Possibility of bacteria surviving the metamorphosis of the housefly [with summary in English]. D. P. [illegible] Med. parazit. i parazit. bol. 32 no. 5, 556-562 [illegible] '63.

FLIES—EXTERMINATION

Flies and their control. V. P. Dremova. Lekh. delo 28 no. 8:9-13 Ag '63.

Insecticidal properties of chlorophos paper "Muklen-ur" [with summary in English]. B. L. Shutz-Dubna, A. [illegible] Glazunova. Med. parazit. i parazit. bol. 32 no. 5 554-558 S-O '63.

FLOATING CRANES

Universal pneumatic loader and unloader. M. [illegible] Rech. transp. 22 no. 10 49 O '63.

FLOATING CRANES—DESIGN AND CONSTRUCTION

Redesign of the swivel-bearing arrangement of the floating crane "Bleikhert." V. Polipenko, A. Sheinman. Rech. transp. 22 no. 11:50 N '63.

FLOATING CRANES—EQUIPMENT AND SUPPLIES

Flexible coupling of shafts. L. Dedluk. Rech. transp. 22 no. 10, 50 O '63.

FLOORS

Akademiia stroitel'stva i arkhitektury SSSR. [illegible]

[illegible] struktsii. Moskva, Gosstroiizdat, 1963. 71 p. (V pomoshch' krupnopanel'nomu domostroeniiu)

FLOTATION

Flotation method for the separation of monomineral fractions. A. P. Pikkat-Ordynskaia. Trudy IMGRE no. 10:151-158 '63.

Industrial purification of waste water by flotation. V. D. Peravalov, B. I. Karapaev. Khim. i tekh. topl. i masel 8 no. 11:39-43 N '63.

FLOTATION—EQUIPMENT AND SUPPLIES

Reagents in the flotation of copper precipitate. A. K. Livshits, L. IA. Shubov. TSvet. met. 36 no. 10:11-16 O '63.

FLOUR—ANALYSIS

Determining the "strength" of wheat flour with the automated "AP-4" penetrameter. Kh. Cholshner, L. IA. Auerman. Izv. vys. uchob. zav.; pishch. tekh. no. 5: 147-151 '63.

Some biochemical properties of flour produced by various methods of grinding. S. G. Baibulatova, A. F. [illegible] mova. Trudy VNIIZ no. 43:21-43 '63.

FLOWERING OF PLANTS see Plants, Flowering of

FLOWERS—EXHIBITIONS see subdivision under Moscow

FLOWMETERS

Theory of ultrasonic flowmeters. G. A. Balakishiev, V. A. Kolchin. Za tekh. prog. 3 no. 7:8-9, 19 Jl '63.

FLUID DYNAMICS

Design of automated heat exchange apparatus for the dairy industry. F. M. Tumasov. Trudy VNIMI [Mol.] no. 22:75-96 '62.

Determination of the field of velocities in the plane of a spreading turbulent flow using a characteristics technique. G. IA. Mishchuk. Izv. vys. ucheb. zav., energ. 6 no. 10,105-111 O '63.

Forced fluctuations of the injection of an ideal compressible fluid into the chamber. K. S. Kolesnikov. Izv. AN SSSR. Mekh. i mashinostr. no. 5:108-116 S-O '63.

Letter to the editor. A. A. Gukhman, A. F. Gandel'sman. Izv. vys. ucheb. zav.; energ. 6 no. 9,122 S '63.

A problem of the nonlinear unsteady flow. V. M. Entov. Izv. AN SSSR. Mekh. i mashinostr. no. 5:141-143 S-O '63.

A problem on the hydrodynamic theory of lubrication. M. E. Podol'skii. Trudy LKI. no. 36,63-74 '62.

Statistical similitude criteria for fluid flow in a homogeneous porous medium. M. I. Vainer. Izv. AN SSSR Mekh. i mashinostr. no. 5 144-148 S-O '63.

Time for the establishment of a steady flow in the bottom area. L. N. Bondarev. Izv. AN SSSR. Mekh. i mashinostr. no. 5:167-168 S-O '63.

FLUID MECHANICS

Separation of a gas and liquid flow with small concentrations of liquid by means of a cyclone of special design. G. V. Tikhonov. Trudy LKI. no. 36 91-100 '62.

FLUIDIZATION

Al'tshuler, V. S., and G. P. Sechenov. [Fluidized bed processes under pressure] Protsessy v kipiashchem sloe pod davleniem. Moskva, Izd-vo Akad. nauk SSSR, 1963. 213 p.

Dehydrogenation of alkyl aromatic hydrocarbons in a fluid-bed catalyst. IU. G. Mamedaliev and others. Azerb. khim. zhur. no. 3,11-16 '62.

Experiment in coal slurry drying in a fluidized bed. M. I. Bellin and others. Koks i khim. no. 11,16-20 '63.

Roasting of Rozdol sulfur ores in a fluidized bed. IU. P. Bernatskii, V. A. Naidonova. Sbor. mat. po obm. opyt. NIUIF no. 12:43-52 '59.

Use of a fluidized bed of cation exchangers for the removal of nonferrous and heavy metals from waste waters. L. A. Kul'skii, IA. M. Zagrai, A. M. Koganovskii, Ukr. khim. zhur. 29 no. 11:1220-1222 '63.

Waste heat utilization in the roasting of granulated copper-zinc charge mixtures in a fluidized bed. G. IA. Krichevskii, V. I. Korsunskii, L. A. Denisova. TSvet. met. 36 no. 10:36-40 O '63.

FLUORENE

(see also subdivision under Yakutia)

Determination of fluorenone and phthalic acid in the product of vapor-phase oxidation of fluorene [with summary in English]. G. P. Petrenko, G. N. Terent'eva. Zhur. anal. khim. 18 no. 8:1012-1015 Ag '63.

FLUORENEPROPIONIC ACID

Use of fluorene-9, 9-dipropionic acid for modification of polyester resins. N. S. Kozopolianskii and others. Plast. massy no. 11:14-16 '63.

FLUORESCEIN—SPECTRA

Effect of adsorption on the spectra of light reflection from the free surface of concentrated solutions of dyes. L. I. Al'perovich. Opt. i spektr. 15 no. 5:651-653 N '63.

FLUORESCENCE

Determination of negative temperatures from fluorescence oscillograms. V. I. Fedorov, Chzhou Bin-kun' [Chou Ping-k'un]. Izv. vys. ucheb. zav.; fiz. no. 3:110-112 '63.

Fluorescence method for determining meat freshness. V. Sergeev, K. Smirnova, A. Molodiakova. Obshchestv. pit. no. 8:24-25 Je '63.

Use of the fluorescence method in determining harmful substances in industrial sanitary chemistry. M. A. Klimenko. Trudy Vor. med. inst. 47:103-109 '62.

FLUORESCENCE MICROSCOPY

Fluorescence studies on the urine [with summary in English]. B. A. Zonin, I. S. Gol'denberg. Klin. med. 41 no. 7:36-40 Jl '63.

Luminescent microscopic study of normal and tumoral cells fluorochromated with acridine orange at different pH values. N. E. Vorotnitskaia and others. Dokl. AN SSSR 152 no. 3:724-726 S '63.

FLUORESCENT LAMPS

Calculation of the geometric parameters of the cathodes of fluorescent lamps. A. E. Novik. Svetotekhnika 9 no. 11:9-13 N '63.

Choice of start regulating apparatus for fluorescent lamps and areas of their use. M. S. Riabkov. Svetotekhnika 9 no. 11:27-28 N '63.

Small balastless tubular xenon lamp with water cooling. I. S. Marshak, V. I. Vasil'ev, L. L. Tokhadze. Svetotekhnika 9 no. 11 13-17 N '63.

FLUORESCENT LIGHTING

Effectiveness of high-frequency fluorescent lighting. V. S. Litvinov, A. M. Troitskii. Svetotekhnika 9 no. 11 1-9 N '63.

Methods for detecting faults in gas-discharge lamps in commercial signs. P. A. Dormakovich. Prom. energ. 18 no. 11 60 N '63.

FLUORIMETER

Spectrofluorimeter for the visible region of the spectrum A. A. Nevinskii, B. G. Belen'kii. Zav. lab. 29 no. 11 1391-1392 '63.

FLUORIMETRY

Fluorometric determination of small amounts of beryllium. L. L. Galkina, A. L. Markman. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5,735-738 '63

FLUORINE

Fluorine as microelement in natural waters of Irkutsk Province. T. N. Ruzhnikova. Izv. ISKHI no. 14,45-49 '59.

FLUORINE—ANALYSIS

Quantitative determination of fluorine in fluorine-containing organic substances. L. M. Dubnikov, I. A. Kaliagin. Zav. lab. 29 no. 11 1298-1301 '63

FLUORINE ORGANIC COMPOUNDS

Quantitative determination of fluorine in fluorine-containing organic substances. L. M. Dubnikov, I. A. Kaliagin. Zav. lab. 29 no. 11;1298-1301 '63.

FLUOROSCOPIC DIAGNOSIS see Diagnosis, Fluoroscopic

FLUX (METALLURGY)

Ceramic fluxes with an iron powder. K. V. Bagrianskii, P. F. Lavrik, V. N. Kal'ianov. Avtom. svar. 16 no. 10: 13-46 O '63.

FLY ASH

Filtration of roasting gases laden with zinc oxide dust through a glass fabric. A. S. Pen'ko. TSvet. met. 36 no. 10;95-96 O '63.

FOAMED MATERIALS

Structure and certain properties of porous, ZrO_2-base ceramics. D. N. Poluboiarinov, I. IA. Guzman, I. E. Nishanova. Trudy MKHTI no. 37 166-179 '62.

FOLK ART

Books about our ancestors D. Dorosh Nov. mir 38 no. 6:159-164 Je '62

FOLK DANCING, UKRAINIAN

(see also subdivision under United States)

Well done, Ukrainian dancers! Fedir Koshovyi. Ukraina no. 17:6-7 S '62.

FOLK DRAMA—HISTORY AND CRITICISM see subdivision under Gorkiy Province

FOLK MEDICINE see subdivision under Daghestan

FOLK MUSIC, TATAR

New records of Tatar folk music. M. N. Nigomedzianov. Sov. etn. no. 5:136 S-O '63.

FOLK SONGS—HISTORY AND CRITICISM

(see also subdivision under Pechora Valley)

"Russian genre folk songs" by N. P. Kolpakova. Reviewed by I. Kolesnitskaia. Sov. etn. no. 5:161-163 S-O '63.

FOLK SONGS, UKRAINIAN

An unknown variant of the Ukrainian song "The escape of three brothers from the city of Azov, and from Turkish slavery." B. P. Kirdan. Sov. etn. no. 5,92-94 S-O '63.

FOLK SONGS, UKRAINIAN—HISTORY AND CRITICISM

[Ukrainian folk songs] Kolomyiky. Kyiv, Radians'kyi pys'mennyk, 1963. 205 p. (Biblioteka poeta)

FOLK SONGS, WHITE RUSSIAN

A collection of the songs of the people of White Russia. V. Elatov, K. Kabashchikov. Sov. etn. no. 5:163-165 S-O '63.

The place of traditional folklore in the song repertory of the present-day White Russian village. M. P. Gvozdev. Sov. etn. no. 5:84-91 S-O '63.

FOLKLORE see subdivision under Northern Dvina Valley

FOLKLORE, ESTONIAN

Folklore collected by the Literary Museum of the Academy of Sciences of the Estonian S. S. R. S. H. Latt. Sov. etn. no. 5:95-98 S-O '63.

Kalevipoeg. [Kalevipoeg; textual-critical edition with commentary and other appendices] Kalevipoeg; tekstikriitiline valjaane uhes kommentaaride ja muude lisadega. [By] F. R. Kreutzwald. Tallinn, Eesti Riiklik Kirjastus.
Vol. 2. 1963. 511 p. [Parallel texts in Estonian and German]

FOLKLORE, UZBEK

Search for folk treasures. M. Murad ov. Obshchestv. nauki v Uz. 7 no. 8 69-70 '63.

FOLKLORE, WHITE RUSSIAN

On people's views on religion and morality. L. TSarankou. Belarus' 20 no. 11;28 N '63.

Samal', A. I. [Some issues in the popular philosophy of life in prerevolutionary White Russian folklore] Nekotorye voprosy mirovozzreniia naroda v belorusskom dorevoliutsionnom fol'klore. Pod red. I. N. Lushchitskogo. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 62 p

FOLKLORE STUDIES

(see also subdivision under Yugoslavia)

Marxism and Russian folklore studies at the end of the 19th and beginning of the 20th century" by V. E. Gusev. Reviewed by V. Sokolova. Sov. etn. no. 5 158-159 S-O '63.

FOOD—ANALYSIS

Determining protein content. V. Sergeev. Obshchestv. pit. no. 8,32-33 Ag '63.

FOOD—TRANSPORTATION

Improve transportation of perishable products. A. Shustov. Avt. transp. 41 no. 11:13-17 N '63.

FOOD, CANNED—CONTAINERS

Manufacture of "SKO" covers from lacquer-coated aluminum. L. S. Semenov, V. G. Varfolomeev, A. L. Iurchenko. Kons. i ov. prom. 18 no. 11:28-30 N '63.

FOOD, CANNED—STERILIZATION

Calculating the pressure in glass containers during high-temperature sterilization. F. L. Kogan. Izv. vys. ucheb zav., pishch. tekh. no. 5 126-129 '63.

FOOD HABITS OF ANIMALS see Animals, Food habits of

FOOD INDUSTRY

Cooked-food factory makes discounts. V. Nedoluzhko, P. Deineko. Obshchestv. pit. no. 9 44-46 S '63.

Decade of great achievements Obshchestv. pit. no. 9: 3-5 S '63.

Kornienko, V. T. [Organization of public eating establishments] Organizatsiia predpriiatii obshchestvennogo pitaniia. Moskva, Izd-vo TSentrosoiuza, 1962. 142 p.

Mechanization and automation of food production processes G. A. Kaliazin. Mekh. i avtom. proizv. 17 no. 10, 11-16 O '63

Noticeable changes. A. Romanov. Obshchestv. pit. no. 8 6-9 S '63.

Public food service should be placed on an industrial basis. V. IUdaeva. Obshchestv. pit. no. 12:3-4 D '61.

Supply the restaurants with semiprocessed first course dishes. N. Aleshin. Obshchestv. pit no. 6 19 Je '63.

FOOD INDUSTRY—ACCOUNTING

Enterprises producing semiprocessed food need a unified accounting system. V. Privezentsev Obshchestv. pit. no. 6:45-47 Je '63

FOOD INDUSTRY—SANITATION

Russia (1923- U. S. S. R.) Vsesoiuznaia gosudarstvennaia sanitarnaia inspektsiia. [Collection of principal official materials on food sanitation problems] Sbornik vazhneishikh ofitsial'nykh materialov po voprosam gigieny pitaniia. Sost. M. G. Shevchenko. Moskva, Medgiz, 1963. 730 p.

FOOD INDUSTRY—STUDY AND TEACHING

Training of specialists in the All-Union Correspondence Institute of the Food Industry Masl.-zhir prom 28 no. 10 12 O '62.

FOOD MACHINERY

Behavior of tin-manganese alloy coatings in the food substances of the meat and dairy industry. A. V. Izmailov, N. P. Chernysheva. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:101-104 '63.

Redesigned MP-21 press. G. V. Zarembo, L. A. Gel'perin Masl.-zhir. prom. 28 no 10 28-31 O '62.

FOOD MACHINERY—ABSTRACTS

[Food machinery manufacture] Ref. zhur.: Pishch. mashinostr. no. 11 N '63.

FOOD SUPPLY

Bread. I. Vol'per. Obshchestv. pit. no. 12:52-54 D '61.

FOOT—ABNORMITIES AND DEFORMITIES

Redresser for correcting talipes cavus and talipes equinus. V. F. Trubnikov, S. A. Reshetilo. Trudy Ukr. nauch.-issl. inst. ortop. travm. no. 15:259-261 '59.

FOOT—DISEASES

Morbidity caused by epidermophytosis of the foot in some regions of the Uzbek S. S. R. [with summary in English]. L. A. Slonimskii, A. S. Luk'ianova, Z. IU. Shimonov. Vest. derm. i ven. 37 no. 7:70-72 Jl '63.

FOOT—DISEASES (Continued)
Types of specific allergic skin reactions in patients with foot mycoses [with summary in English]. A. P. Bazyka. Vest. derm. i ven. 37 no. 7:45-49 Jl '63.

FOOTINGS, CONCRETE see Concrete footings

FORAGE PLANTS see subdivision under Irkutsk District

FORAMINIFERA, FOSSIL see subdivision under Taymyr Peninsula

FORCE AND ENERGY
Born by matter. Nauka i zhyttia 13 no. 10:5-7 N '63.

FOREARM—FRACTURE
Surgical treatment of diaphyseal fractures of both bones of the forearm. V. IA. Mos'kin. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 129-132 '59.

FOREMEN
First teacher and educator. Agitator no. 21:42-43 N '63.

FOREST ECOLOGY
(see also subdivision under White Russia)
Feathered sowers. I. N. Balbyshev. Priroda 52 no. 10:121 '63.

FOREST INSECTS—EXTERMINATION
Pests of pine stands and measures for their control. Les. khoz. 16 no. 9 47-49 S '63.

FOREST MANAGEMENT see subdivision under Carpathian Mountain region; Dzhambul Province; Hungary; Kolomna region; Lithuania; Lugansk region; Mari A. S. S. R.; Novosibirsk Province

FOREST POLICY
For the rational use of our forest resources. G. Taraskevich. Kommunist 40 no. 16:85-89 N '63.

FOREST PRODUCTS
Kalashnikov, P. L. [Commercial study of wood and forest products] Drevesinovedenie i lesnoe tovarovedenie. Moskva, Goslesbumizdat, 1963. 253 p.

FOREST REPRODUCTION
(see also subdivision under Murmansk Province; Ural Mountains)
Microclimate and the viability of young growth in cutovers. A. A. Gaas. Les. khoz. 16 no. 9:16-20 S '63.
Preservation of the young growth as a reliable method for regeneration in cutovers. G. I. S'edin. Les. khoz. 16 no. 9:69-71 S '63.

FOREST SOILS
(see also subdivision under Irkutsk Province; Karabakh Steppe; Klyaz'ma Valley, Mari A. S. S. R.; Volgograd region)
Characteristics of the humus-illuvial process in a whortleberry spruce forest under different herbaceous vegetation (with summary in English). M. D. Rydnevskaia, I. A. Tereshenkova. Vest. LGU 18 no. 21:126-137 '63.
Evolution of soils in forest biogeocenoses (with summary in English). S. V. Zonn. Pochvovedenie no. 10:1-13 O '63.

FORESTS AND FORESTRY
Book reviews and bibliography. Les. khoz. 16 no. 9:78-80 S '63.
Brief information. Les. khoz. 16 no. 9:59-60 S '63.
Brief news. Les. khoz. 16 no. 9:92-93 S '63.
Let us fully eliminate the conditions which open the door to the pilfering of lumber. A. Hornyts'kyi, I. Lanovenko. Rad. pravo no. 6:44-47 N-D '63.
Promote creative activity in the scientific and technological community. F. D. Varaksin. Les. khoz. 16 no. 9:2-5 S '63.
Results of communal inspection. K. Kisnlev. Les. khoz. 16 no. 9:75 S '63.
Some problems in forest seed production. S. K. Averkiev. Les. khoz. 16 no. 9:28-31 S '63.

FORESTS AND FORESTRY—BIBLIOGRAPHY see Bibliography—Forests and forestry

FORESTS AND FORESTRY—ECONOMIC ASPECTS
Vasil'ev, P. V. [Economics of the utilization and reproduction of forest resources] Ekonomika ispol'zovaniia i vosproizvodstva lesnykh resursov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 483 p.

FORESTS AND FORESTRY—VALUATION
(see also subdivision under Kokchetav Province; Tselinograd Province)
Akademiia nauk SSSR. Laboratoriia aerometodov. [Methods of aerial photo interpretation in forest inventories] Metody deshifrirovaniia lesov po aerosnimkam. Moskva, Izd-vo Akad. nauk SSSR, 1963. 138 p.

FORGING
(see also subdivision under Kuybyshev)
Krymskii, I. I. [Drop forging; technology and equipment] Gorlachaia shtampovka; tekhnologiia i oborudovanie. Izd. 2., perer. i dop. Moskva, Profitekhizdat, 1963. 340 p.
Liquid metal forging of thin-walled parts. G. S. Sakharov, N. G. Evlanov. Trudy MATI no. 57:40-57 '63.
Producing forgings with hollow extensions from nonferrous metals. Mashinostroenie no. 6 117-118 N-D '63.
Stressed state in transverse forging. V. P. Severdenko, B. A. Kaledin. Dokl. AN BSSR 7 no. 5:320-323 My '63.
Technological processes for the manufacture of toothed bushing. A. M. Smurov. Avt. prom. 29 no. 11 43-45 N '63.
Tomlenov, A. D. [Mechanics of metal-shaping processes] Mekhanika protsessov obrabotki metallov davleniem. Moskva, Mashgiz, 1963. 234 p.
Using hard alloys in drop forging. P. L. Dushevskii, V. P. Ivashkevich, K. P. Shcherbinin. Mashinostroenie no. 6:18-19 N-D '63.

FORGING—TECHNOLOGICAL INNOVATIONS see subdivision under Kramatorsk

FORMALDEHYDE
Investigating the hardening of photographic emulsions. Part 3: Hardening with formalin. V. L. Zelikman. Trudy NIKFI no. 51:58-63 '62.
Kinetics of the contact oxidation of methyl alcohol to formaldehyde on a silver catalyst. V. I. Atroshchenko, L. P. Kushnarenko. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 5:774-780 '63.

FORMAMIDE
Solubility of carbon dioxide in aqueous solutions of dimethylformamide at low temperatures. E. R. Shenderei, F. P. Ivanovskii. Zhur. fiz. khim. 37 no. 9:2125-2127 S '63.

FORMS, QUADRATIC
Evaluations of Peterson's inner product with application to the theory of quaternary quadratic forms. O. M. Fomenko. Dokl. AN SSSR 152 no. 3:559-562 S '63.

FORNALSKA, MARCJANNA
Mother's word. V. Zuritskaia. Bibliotekar' no. 11:32-33 N '63.

FORT SHEVCHENKO—BAKERIES—MANAGEMENT
Bread is the national property. F. TSvirko. Koop. Kazakh. 6 no. 7:32-33 O '63.

FORT SHEVCHENKO—CLERKS (RETAIL TRADE)
Thank you for your honest work. T. Komarova. Part. zhizn' Kazakh. 33 no. 11:52 N '63.

FORTIFICATION, OLD see subdivision under Shemakha

FOUNDATIONS
Akademiia stroitel'stva i arkhitektury SSSR. Institut osnovanii i podzemnykh sooruzhenii. [Foundation engineering] Osnovaniia i fundamenty. [By] N. M. Sokolov i dr. Moskva, Gosstroiizdat, 1963. 295 p. (Serila prakticheskikh posobii po povysheniiu masterstva rabochikh v promyshlennom stroitel'stve)
Design of residential and industrial buildings for uneven settling of the foundation. A. I. IUshin. Stroi. mekh. i rasch. soor. 4 no. 1:40-44 '62.
Determining possible deformations of sagging foundations and selecting construction measures. V. A. Zhurnadzhi, V. P. Ananiev, Z. S. Ukolova. Osn., fund. i mekh. grun. 5 no. 6:23-25 '63.
Distribution of piles in round and polygonal pilework. V. Terletskii. Prom. stroi. i inzh. soor. 5 no. 5:52-53 S-O '63.
Nikolaev, B. A. [Sinking for the construction of deep foundations] Opyt prokhodki gruntov dlia sooruzhenila fundamentov glubokogo zalozhenila. Leningrad, 1963. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Stroitel'noe proizvodstvo, no. 6)
Results of the automatic design of foundations. K. G. Bomshtein, D. E. Pol'shin, L. S. IAkobson. Osn., fund. i mekh. grun. 5 no. 6:12-14 '63.

FOUNDATIONS—BIBLIOGRAPHY see Bibliography—Foundations

FOUNDING
Automatic fettling of castings. G. L. Parsamova. Mashinostroitel' no. 10:6-7 O '63.
Effect of the technology of casting on the length of the columnar crystal zone in the UNDK 25BA alloy. A. S. Kuksin. Lit. proizv. no. 10:34-37 O '63.
Petrov, I. P. [Progressive foundry practices] Progressivnaia tekhnologiia proizvodstva lit'ia. [Penza] Penzenskoe knizhnoe izd-vo, 1963. 118 p.
Processes in alloys in the solidification range. V. P. Kalenov. Lit. proizv. no. 10:31-33 O '63.
Stabilizing the use of liquid metal by weight. M. M. Ivakhnenko. Lit. proizv. no. 10:17-19 O '63.
Stepanov, A. V. [Future of metalworking] Budushchee metalloobrabotki. [Leningrad] Lenizdat, 1963. 129 p. (Nauka i kommunizm)
Technology of casting gear wheels. N. I. Averbukh. Lit. proizv. no. 10:6-8 O '63.
Technology of casting steel runners for the Bratsk Hydroelectric Power Station. N. D. Vasil'ev. Lit. proizv. no. 10:8-9 O '63.

FOUNDING—ACCOUNTING see subdivision under Mines

FOUNDING—BIBLIOGRAPHY see Bibliography—Founding

FOUNDING—COSTS
Improve the calculation of the cost of casting. [In German] Bukhg. uchet 20 no. 11:13-19 N '63.
Improving the methods for calculating the cost of castings. A. N. Kuz'minskii. Mashinostroenie no. 6:84-90 N-D '63.

FOUNDRIES
New principles for designing centralized foundry shops. S. N. Mylko, N. P. Konenko. Mashinostroenie no. 6:23-26 N-D '63.

FOUNDRIES—DESIGN AND CONSTRUCTION see subdivision under Zaporozh'ye

FOUNDRIES—EQUIPMENT AND SUPPLIES
Cupolas in U. S. S. R. foundries and ways to improve them. M. M. Brilkh, V. M. Gorfinkel'. Lit. proizv. no. 10:13-14 O '63.
Organizing the operation of electric melting furnaces in mass production foundries. M. P. Andilov, B. N. Ladyzhenskii. Lit. proizv. no. 10,11-12 O '63.
Standardization of foundry equipment. M. P. Samoilov. Standartizatsiia 27 no. 11,32 N '63.
Standardization of light-alloy flasks. L. S. Ilnin, M. A. Nesterov. Standartizatsiia 27 no. 11:14-16 N '63.
Stoppers and nozzles from Ural Mountain raw materials. I. Sh. Shvartsman and others. Ogneupory 28 no. 12:538-543 '63.

FOUNDRY SAND see Sand, Foundry

FOURIER SERIES
Divergence of Fourier series under a system of trigonometric transpositions. L. V. Taikov. Usp. mat. nauk 18 no. 5:191-198 S-O '63.

FOXES see subdivision under Uzbekistan

FRACTIONAL DISTILLATION see Distillation, Fractional

FRACTURES
Current trends in the treatment of fractures; concerning Professor I. L. Krupko's articles. A. V. Kaplan. Ortop., travm. i protez. 24 no. 6:67-71 Je '63.
Effect of blood fibrin on experimental regeneration of osseous tissue. L. A. Ripiakh. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:331-336 '59.
Surgical tactics in the treatment of fractures of long tubular bones complicated by shock. I. F. Pan'kina. Ortop., travm. i protez. 24 no. 6:23-28 Je '63.
Thrombosis of the major vessels in fractures of long tubular bones. E. P. Zamaraev, V. A. Kryzhanovskii. Ortop., travm. i protez. 24 no. 6:36-36 Je '63.

FRANCE—AERONAUTICS—SAFETY MEASURES
News of military technology. Sov. voin 45 no. 19:19 O '63.

FRANCE—ATOMIC WEAPONS
Dreams of greatness and the atomic bomb. B. Bekbaraev, IUzbashev. Mezhdunar. zhizn' 10 no. 11:48-58 N '63.

FRANCE—BREWING
Technological process used by the brewery of the firm "Societe des Nouvelles Brasseries." A. I. Bel'dinova. Spirt. prom. 29 no. 7:43-46 '63.

FRANCE—CIVIL PROCEDURE
"Civil procedure" [in French] by Gérard Cornu, Jean Foyer. Reviewed by D. D. Averin. Izv. vys. ucheb. zav., prav. 7 no. 3:170-173 '63.

FRANCE—COMMUNIST PARTY
The alliance of French workers and peasants is growing stronger. B. Kuznetsov. Kommunist 40 no. 16:101-109 N '63.
The Peace Week in France. V. Sedykh. Nov. vrem. 38 no. 47:11-13 N '63.
The "red belt" of Paris. Georges Marrant. Paris, Bleue no. 1:67-72 Ja. '64.

FRANCE—COST AND STANDARD OF LIVING
French monopoly capital intensifies the attack on the workers' living standards. G. Sovel'neva. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 6:53-61 '63.

FRANCE—DESCRIPTION
Pavlov, S. E. [The chestnuts ripen with anger; travel notes] Kashtany nalivaiutsia gnevom; putevye zametki. Minsk, Gos. izd-vo BSSR, 1963. 52 p. illus. (MH)

FRANCE—ECONOMIC CONDITIONS
The French and the "stabilization plan." IU. Rybalev. Nov. vrem. 21 no. 46:14-16 N '63.

FRANCE—ELECTRONIC INSTRUMENTS
French exhibition of electronic measuring instruments and equipment. A. M. Bondarev. Izm. tekh. no. 11:56-57 N '63.

FRANCE—ETHNOLOGY—PERIODICALS

A new French ethnographic journal. S. Arutiunov. Sov. etn. no. 5, 177-178 S-O '63.

FRANCE—FOREIGN RELATIONS

Molchanov, N. N. [The Fourth Republic] Chetvertaia respublika. Moskva, Sotsekgiz, 1963. 606 p.

FRANCE—LIQUID FUELS

Production of jet fuel from coal. Koks i khim. no. 11: 62 '63.

FRANCE—MILITARY POLICY

The Peace Week in France. V. Sedykh. Nov. vrem. 21 no. 47: 11-13 N '63.

FRANCE—PAPERMAKING MACHINERY

Roller felt dryers instead of drying cylinders. B. M. Gutkin. Bum. prom. 38 no. 11: 29 N '63.

FRANCE—PEASANTRY

The alliance of French workers and peasants is growing stronger. B. Kuznetsov. Kommunist 40 no. 16: 107-109 N '63.

FRANCE—POLITICS AND GOVERNMENT

Dreams of greatness and the atomic bomb. B. Beknazar-IUzbashev. Mezhdunar. zhizn' 10 no. 11: 49-56 N '63.

Molchanov, N. N. [The Fourth Republic] Chetvertaia respublika. Moskva, Sotsekgiz, 1963. 606 p.

FRANCE—PUBLIC HEALTH

Some public health problems in France; a review of literature. M. V. Makarova. Sov. zdrav. 22 no. 7: 76-81 '63.

FRANCE—RELATIONS (GENERAL) WITH RUSSIA

Jean Chesalbont visits us. Kul't. i zhizn' 7 no. 11: 26 '63.

FRANCE—RELATIONS (MILITARY) WITH AFRICA

French military agreements with African states. IU. Ivanov. Mezhdunar. zhizn' 10 no. 11: 132-133 N '63.

FRANCE—REVOLUTION

Dalin, V. M. [Gracchus Baboef, his life before and during the great French Revolution, 1785-1794] Grakh Babef; nakanune i vo vremia Velikoi frantsuzskoi revoliutsii, 1785-1794. Moskva, Izd-vo Akad. nauk SSSR, 1963. 614 p.

FRANCE—RUSSIAN STUDIES

The Great Patriotic War of the Soviet People in the studies of French bourgeois historians. V. S. Rykalov. Vop. ist. 38 no. 11: 156-158 N '63.

FRANCE—SOCIALIST PARTY

A leader of the French Socialist Party describes its past and present. S. S. Salychev. Vop. ist. 38 no. 11: 171-173 N '63.

FRANCE—STRIKES AND LOCKOUTS

The strike of French miners in March 1963. N. S. TSypina. Vop. ist. 38 no. 11: 213-218 N '63.

FRANCE—STUDENTS

Student unrest in France. Paul Leblanc. Nov. vrem. 21 no. 51: 17-18 D '63.

FRANCE—THEATER

Sensitive artist and a true innovator. Sergei Iutkevich. Kul't. i zhizn' 7 no. 11: 31-34 '63.

The stages of Italy and France. S. Halauko. Belarus' 20 no. 9: 23-24 S '63.

FRANCE—TRIALS (TREASON)

Nikanorov, A. V. [The ax that didn't fall] Nezatiannyi shaliasta petlia. Moskva, Izd-vo "Znanie," 1963. 106 p.

FRANCE—TRUSTS, INDUSTRIAL

French monopoly capital intensifies the attack on the workers' living standards. G. Seval'neva. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 6: 53-61 '63.

FRANKO, IVAN, 1856-1916

Creative history of Ivan Franko's "Poem about a white shirt." M. IA. Hol'borh. Mizhslov. lit. vzaiem. no. 3: 135-155 '63.

Ivan Franko's tale "Lelum and Polelum." H. D. Vervea. Mizhslov. lit. vzaiem. no. 3: 106-134 '63.

Ostrovs'kyi, H. S. [Ivan Franko and the fine arts] Ivan Franko i obrazotvorche mystetstvo. Kyiv, Mystetstvo, 1963. 95 p. illus.

FRAMYCETIN

Pharmacology of framycin sulfate [with summary in English]. I. A. Storozhev, S. I. Eidel'shtein, R. A. Veis. Antibiotiki 7 no. 10: 899-900 O '62.

FRAUD

(see also subdivision under United States)

A day in a notarial agency. O. Moiseev. Sov. iust. no. 21: 25-26 N '63.

FREE WILL AND DETERMINISM

Dialectic of freedom and necessity in the philosophy of Fichte. V. F. Asmus. Nauch. dokl. vys. shkoly; filos. nauki 6 no. 5: 67-74 '63.

FREEZE-DRYING

Strawberries in January. N. N. Titov. IUn. tekh. 8 no. 11, 39-40 N '63.

FREIGHT AND FREIGHTAGE

(see also subdivision under Turkmenistan)

Forwarding and carrying services must be placed under the jurisdiction of the railroads. Zhel. dor. transp. 45 no. 11, 96 N '63.

FREIGHT AND FREIGHTAGE—CLAIMS

Decisions of arbitration agencies. Sov. iust. no. 21: 31 N '63.

Examination of conflicts arising from the transportation of goods. IU. Shaul'skyi. Rad. pravo no. 6: 96-99 N-D '63.

Liability of railroads for damage to freight. S. Butkevych. Rad. pravo no. 6: 91-96 N-D '63.

FREIGHTERS

New, dry-cargo motorships of the "Beloretsk" type. A. N. Gurovich. Sudostroenie 29 no. 11: 1-5 N '63.

FREQUENCY CHANGERS

Magnetic frequency divider. K. G. Mitiushkin. Trudy VNIIF no. 7: 157-172 '58.

FREQUENCY MEASUREMENTS

Frequency Q-factor dependences of standard measures for testing Q-meters. N. P. Potapov, Z. A. Chekalina. Izm. tekh. no. 11, 42-43 N '63.

Narrow-band quartz frequency meter. S. M. Okhotina. Izm. tekh. no. 12: 38-41 D '63

New design of an a. c. bridge for frequency measurements in subsonic band. IU. A. Shakola. Avtom. i prib. no. 4: 57-58 O-D '63.

Opinion on the ChE-1 and ChZ-4 electron-counting frequency meters. B. A. Mamyrin. Prib. i tekh. eksp. 8 no. 4: 196 Jl-Ag '63.

Relationship between the magnitude of the quadratic region of detector characteristic and its load. M. M. Levin, L. N. Brianskii. Izm. tekh. no. 10: 52-54 O '63.

Temporary instruction for the methods for measuring the density of the flow of microwave power at work sites. Trudy inst. gig. truda i prof. zab. AMN SSSR no. 1: 125-127 '60.

Use of an electron-counting frequency meter in checking pointer-type frequency meters. V. IA. Volodarskii Izm. tekh. no. 12: 33-34 D '63.

Use of infralow-frequency thermocomparators. O. N. Gravin. Izm. tekh. no. 12: 34-37 D '63

FREQUENCY MULTIPLIERS

Frequency multipliers using the nonlinear capacitance of diodes with sharp p-n junctions. V. V. Livshits, A. A. Rabinovich-Vizel'. Radiotekh. i elektron. 8 no. 12: 2056-2065 D '63.

FREQUENCY REGULATION

Disruption in the tracking of an automatic frequency control system. N. V. Belousova, V. L. Lebedev. Radiotekhnika 18 no. 10: 35-42 O '63.

FRESHWATER FAUNA see subdivision under Akgel'; Lake; Neman River

FRICTION

Effect of abrasion particles on the isothermal coefficient of dry friction of metals in the air. A. M. Zuev. Izv. vys. ucheb. zav.; fiz. no. 5: 171-172 '63.

Minor reciprocal shifts of contiguous bodies. M. M. Kholmianskii. Izv. AN SSSR. Mekh. i mashinostr. no. 5: 54-59 S-O '63.

FRIDMAN, ALEKSANDR ALEKSANDROVICH, 1888-1925

Trostnikov, V. N. [A. A. Fridman, eminent Soviet scientist] Vydaiushchiisia sovetskii uchenyi A. A. Fridman. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika i khimiia, no. 20)

FRIENDSHIP

Friendship among children. N. Elkes. Rab. i sial. 39 no. 10: 21 O '63.

FRITS

Effectiveness of trace element fertilizers in the form of frits. G. L. Nelliubova, N. K. Sidorova. Dokl. TSKHA no. 47: 21-27 '59.

FROSTBITE

Effect of intramuscular injections of heparin on the course and results of injuries caused by cold in the extremities of animals (rabbits). M. I. Maslovskii. Trudy Khab. med. inst. 23 no. 2: 84 '62.

FROZEN GROUND

(see also subdivision under Mirnyy region, Yakutia; Siberia; Yakutia; Yakutsk region; Yarok Island)

Change equipment of the ETY-354 excavator for digging frozen ground. V. A. Rumiantsev, I. Z. Figlin. Stroi. i dor. mash. 8 no. 11: 16-17 N '63.

Construction of earth dams in the regions of permanently frozen ground. P. A. Bogoslovskii. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1: 52-61 '58.

Creep of frozen ground in pure shear. F. F. Voitkovskii. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1: 35-45 '58.

Designing reinforced concrete foundations for permanently frozen ground. P. I. Mel'nikov. Trudy Se.-Vost otd. Inst. merzl. AN SSSR no. 1: 13-20 '58

How to carry out earthwork operations in winter. Sil'. bud. 12 no. 1: 18 Ja '62.

Laboratory studies of the adfreezing strength of soil and concrete. I. N. Votiakov. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1: 29-34 '58.

Temperature measurements in thermal holes in artificial freezing of soils. F. E. Are Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1: 62-70 '58.

FRUIT—DISEASES AND PESTS see subdivision under Georgia

FRUIT CULTURE see subdivision under White Russia

FRUIT JUICES—PRESERVATION

Changes in the coloring of an alcoholized strawberry juice. V. V. Kosacheva. Spirt. prom. 29 no. 7: 21-23 '63.

FRUIT JUICES—THERMAL PROPERTIES

Heat conductivity of apple and grape juice. A. M. Moiseev. Kons. i ov. prom. 18 no. 11: 21-23 N '63.

FRUNZE, MIKHAIL VASIL'EVICH, 1885-1925

M. V. Frunze and the organization of the Naval Flotilla of the Turkestan Front. Submitted by A. M. Blinov, I. N. Solov'ev, IA. E. Cherniak. Ist. arkh. 8 no. 3: 70-89 My-Je '62.

FRUNZE—TEXTILE INDUSTRY

Headquarters of popular initiative. E. IAmpol'skaia. Sov. profsoiuzy 19 no. 18: 8-10 S '63.

FUBROMEGAN

Therapeutic action of fubromegan in peptic ulcer. A. T. Simonian and others. Zhur. eksp. i klin. med. 3 no. 4: 7-11 '63.

FUEL

Georgiev, L. G., and D. V. Zharkovskii [Fuel, lubricants, and water] Toplivo, smazochnye materialy i voda; uchebnoe posobie. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 234 p.

Shortcomings in the planning and evaluation of the economy of fuel in petroleum refining plants. E. A. Shapiro. Prom. energ. 18 no. 11: 4-6 N '63.

FUEL—ANALYSIS

Determination of arsenic content in solid fuel. K. A. Baibekov. Standartizatsiia 27 no. 11: 36 N '63.

Titrimetric semimicromethod for the determination of carbonate carbon in solid mineral fuels [with summary in English]. I. V. Grinberg, A. A. Salamin Zhur. anal. khim 18 no. 10: 1239-1243 O '63.

FUEL—SPECTRA

Spectral analysis of lubricating and combustible materials (survey). E. V. Il'ina. Zav. lab. 29 no. 11: 1317-1321 '63.

FUEL—TESTING

Veselovskii, V. S. [Testing of mineral fuels] Ispytanie goriuchikh iskopaemykh. Moskva, Gosgeoltekhizdat, 1963. 410 p.

FUEL, COLLOIDAL

Ivanov, V. I., and B. V. Kantorovich. [Fuel emulsions and suspensions] Toplivnye emul'sii i suspenzii. Moskva, Metallurgizdat, 1963. 182 p.

FUEL-BRIQUET PLANTS—EQUIPMENT AND SUPPLIES

Increasing the operative efficiency of the pneumatic steam-and-water dryers in peat briquet plants. G. B. Froishteter. Torf. prom. 40 no. 7: 27 '63.

FUEL RESEARCH

Present-day state of the problem of fuel cells. O. K. Davtian. Zhur. fiz. khim. 37 no. 9: 1949-1957 S '63.

FUNCTIONS

Certain class of canonical forms of the presentation of three-valued functions. Z. L. Rabinovich, IU. L. Ivas'kiv. Izv. AN SSSR, Tekh. kib. no. 5: 27-34 S-O '63.

Davydov, A. K. [Problems in algebra and elementary functions] Sbornik zadach po algebre i elementarnym funktsiiam. Posobie dlia uchitel'skikh i pedagogicheskikh institutov. Moskva, Gos. uchebno-pedagog. izd-vo, 1955. 247 p. (WaU)

Guter, R. S., L. D. Kudriavtsev, and B. M. Levitan. [Elements of the theory of functions; functions of real variables, approximation of functions; almost periodic functions] Elementy teorii funktsii, funktsii deistvitel'nogo peremennogo, priblizhenie funktsii, pochti-periodicheskie funktsii. Pod red. P. L. Ul'ianova. Moskva, Fizmatgiz, 1963. 244 p. (Spravochnaia matematicheskaia biblioteka)

FUNCTIONS (Continued)

Maier, R. A. [Studying the properties of functions in the eight-year school] Iz opyta izucheniia svoistv funktsii v vos'miletnei shkole. Pod red. I. A. Gibsha. Moskva, Izd-vo APN RSFSR, 1963, 79 p. (Pedagogicheskie chteniia)

Structure of measurable functions having no asymptotic derivative. S. G. Kozlovtsev. Dokl. AN SSSR 152 no. 3:537-539 S '63.

Variational formulae for univalent functions in doubly connected regions. I. A. Aleksandrov. Sib. mat. zhur. 4 no. 5:961-976 S-O '63.

FUNCTIONS—GRAPHIC METHODS

In the main direction. I. Veitsman. Nar. obr. no. 12: 126-127 D '63.

FUNCTIONS, ANALYTIC

A. N. Kholmogorov's studies on E-entropy of functional classes and superpositions of functions. V. M. Tikhomirov. Usp. mat. nauk. 18 no. 5:55-92 S-O '63.

FUNCTIONS, CONTINUOUS

Optimum approximation by means of piecewise continuous functions and some problems of the approximate synthesis of mechanisms. I. I. Tartakovskii. Izv. AN SSSR. Mekh. i mashinostr. no. 5:190-198 S-O '63.

FUNCTIONS, ENTIRE

Evaluating the norm of a linear operator in the class of integral functions of finite power. I. I. Ibragimov. Dokl. AN SSSR 152 no. 5 1054-1057 O '63.

Evaluation of a differential operator in the class of integral functions of finite power. I. I. Ibragimov, A. S. Dzhafarov. Dokl. AN SSSR 152 no. 3:533-536 S '63.

Increase of an integral function along the half line. A. A. Gol'dberg. Dokl. AN SSSR 152 no. 5 1049-1050 O '63.

Joining class $H^{(\alpha)}$ functions. I. V. Matveev, S. M. Nikol'skii. Usp. mat. nauk. 18 no. 5:175-180 S-O '63.

Simultaneous approximation of functions and their directional derivatives in n-dimensional Euclidean space. A. A. Gamidov. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 1 13-19 '63.

Uniform approximation by integral functions with estimation of their growth. N. V. Arakelian. Sib. mat. zhur. 4 no. 5:977-999 S-O '63.

FUNCTIONS, GAMMA

Pagurova, V. I. [Tables of incomplete gamma functions] Tablitsy nepolnoi gamma - funktsii. Moskva, VTs AN SSSR, 1963. 235 p. (Matematicheskie tablitsy)

FUNCTIONS, ORTHOGONAL

Abridged representation of signals with the aid of a system of orthogonal functions. A. M. Zaezdnyi, G. V. Efduklavichius. Radiotekhnika 18 no. 11 5-12 N '63.

FUNCTIONS, TRANSCENDENTAL

Solution of transcendental equations using a root selection method on paper with the aid of mathematical models. A. N. Lebedev. Izv. LETI no. 47:157-170 '62.

FUNCTIONS OF COMPLEX VARIABLES

Use of conformal mappings for evolving the lines of a stream of turbulent flows in the theory of functions of a complex variable. Sh. Iomudov. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:10-15 '62.

FUNCTIONS OF REAL VARIABLES

S. M. Nikol'skii's imbedding theorems for H-classes. IA. S. Bugrov. Sib. mat. zhur. 4 no. 5:1012-1028 S-O '63.

FUNCTIONS OF SEVERAL VARIABLES

Analog of Euler-Maclaurin's formula for functions of two variables. Kh. Mansurov. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk no. 6:15-22 '61.

Evaluation of the total best approximation of functions of several variables by partial best approximations. O. D. Gabisoniia. Dokl. AN SSSR 153 no. 2:255-257 N '63.

On a certain characteristic of the position of some singularities at the boundary of a polycylinder and the application of this characteristic to integral functions of several variables. L. I. Ronkin. Dokl. AN SSSR 153 no. 2:275-281 N '63.

FUNDUS OCULI

Early diagnosis of intracranial injuries in newborn infants [with summary in English]. G. L. Faver, F. N. Zhvakina. Akush. i gin. 39 no. 4:111-113 Jl-Ag '63.

FUNERAL RITES AND CEREMONIES see subdivision under Kara-Kalpak A. S. S. R.

FUNGI, PHYTOPATHOGENIC

(see also subdivision under Kazakhstan)

Changes in the lungs probably caused by trichophytosis. I. Peshev, V. Balabanov. Vest. rent. i rad. 38 no. 5: 68-69 S-O '63.

Ectodesmata in plants injured by phytopathogenic fungi. K. T. Sukhorukov, IU. M. Plotnikova. Dokl. AN SSSR 152 no. 3:758-760 S '63.

FUNGI, PREDATORY

Soprunov, F. F., and S. F. Shagalin [Preparation from predatory fungi and its use in controlling parasitic roundworms] Preparat khishchnykh gribov i ego primenenie v bor'be s kruglymi paraziticheskimi cherviami Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 18 p.

FUNGICIDES

Antibacterial effect of some N-substituted pyridine derivatives. Report No. 2. L. R. Kolomoitsev, N. H. Heonia, A. K. Sheinkman. Mikrobiol. zhur. 25 no. 5 56-67 '63.

FUR—DRESSING AND DYEING

Rodionov, A. M. [Dyeing of fur] Krashenie mekha. Izd 2., perer i dop. Moskva, Gizlegprom, 1963. 261 p.

FUR TRADE—CONGRESSES

The hunter is the central figure of the fur trade E. Kostrov. Sov. potreb. koop 7 no 10 28-29 O '63.

FURALDEHYDE

Colorimetric method for determining furfurole in the products and waste water of the selective purification of oils. A. A. Kiazimov, Z. V. Khaldei, IU. I. Kar'kovskii. Khim. i tekh. topl. i masel 8 no. 11:61-64 N '63.

Furfurole binder FN and glass reinforced plastics based on it. B. A. Kiselev, V. N. Bruevich. Plast. massy no. 11:41-46 '63.

Preparation of furfurole by the "Aggrifuran" battery method [with summary in English on p. 167]. V. A. Ivanova, M. L. Patsiuk, E. A. Kozlova. Sbor. trud. NIIGS 11:119-126 '63.

Titrimetric determination of furfurole by iodic acid. V. I. Tikhonova. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:744-750 '63.

Ways of improving the quality of furfurole [with summary in English on p. 168]. IU. A. TSirlin, V. A. Ivanova. Sbor. trud. NIIGS 11:127-138 '63.

FURNACES

Modified furnace of the TVV type with a tungsten heater for investigations at temperatures up to 2800° C. V. IA. Chekhovskoi, A. E. Sheindlin. Zav. lab. 29 no. 10:1258-1259 '63.

FURNACES, HEAT-TREATING

Using radiant heating pipes for heating metals without oxidation. A. M. Semernin, A. E. Erinov. Mashinostroenie no. 6:22-23 N-D '63.

FURNACES, HEATING

Redesign of ceramic soaking pit recuperators. E. A. Kudrin and others. Metallurg 8 no. 10 20-31 O '63.

FURNACES, HEATING—PROTECTIVE ATMOSPHERE

Nonoxidizing heating of blanks in a protective atmosphere with lithium vapor. V. A. Semenov. Trudy MATI no. 57:17-24 '63.

FURNITURE—REPAIRING

Ionov, A. M. [Repair of furniture] Remont mebeli. Moskva, Gosbytizdat, 1963. 145 p.

FURNITURE INDUSTRY—HYGIENIC ASPECTS

Occupational diseases of the hand and arm in locksmiths and assembly men of a furniture factory. A. P. Tiukina, IU. A. Veshchagin. Gig. truda i prof. zab. 7 no. 1:53-56 Ja '63.

FUSED SALTS

Glass electrode in fused salts. A. A. Kolotii. Ukr. khim. zhur. 29 no. 11:1160-1172 '63.

Molar volume of molten reciprocal pairs of salts B. F. Markov, V. D. Pristazhnyi. Ukr. khim. zhur 29 no. 11: 1128-1135 '63.

Rotating disk electrode in the polarography of fused salts [with summary in English]. I. D. Panchenko, G. V. Shilina. Zhur. anal. khim. 18 no. 6:920-923 Ag '63.

Theory of convective diffusion in the polarography of fused salts. I. D. Panchenko, G. V. Shilina. Ukr khim. zhur. 29 no. 11:1164-1169 '63.

FUSES (ORDNANCE)

Dorofeev, A. N. [Rocket fuses] Vzryvateli raket. Moskva, Voenizdat, 1963. 84 p. (Za voenno-tekhnicheskie znaniia)

GAGARIN FAMILY

Grandfather of the first astronaut. V. Gorshkov, V. Karpushchenko. Ogonek 41 no. 43:16 O '63.

GAGARINO (VORONEZH PROVINCE)—STONE AGE

New paleolithic statuette from Gagarino. L. M. Tarasov. Sov. arkheol. 7 no. 4:179-183 '63.

GAGARINO (VORONEZH PROVINCE)—WOMEN IN ART

New paleolithic statuette from Gagarino. L. M. Tarasov. Sov. arkheol. 7 no. 4:179-183 '63.

GAIDAR, ARKADII PETROVICH, 1904-1941—BIBLIOGRAPHY see Bibliography—Gaidar, Arkadii Petrovich, 1904-1941

GALAXIES

"Giant explosion of the center of a galaxy." Vanda Beletskaia. Ogonek 41 no. 42 26-27 O '63.

Nature of the radio galaxy Cygnus-A (with summary in English). N. S. Kardashev. Astron. zhur. 40 no. 6 965-971 N-D '63.

Remarks on the nature of jets of radio galaxies [with summary in English]. I. S. Shklovskii. Astron. zhur. 40 no. 6 972-981 N-D '63.

GALENA

Spectrum determination of impurities in galenites. I. I. Sosnovskaia. Trudy IMGRE no. 16:186-189 '63.

GALLBLADDER—DISEASES

Botkin's cholecysto-coronary syndrome. B. P. Kunbelevskii, K. N. Pasynkova. Klin. med. 41 no. 7 9-12 Jl '63.

Clinical value of the typhoideus phenomenon in acute cholecystitis. D. E. Pekarskii. Klin. med. 41 no. 7 127-130 Jl '63.

Diagnostic importance of the method of intravenous cholangiocholecystography [with summary in English]. I. S. Petrova. Vrach. delo no. 11:52-56 N '63

GALLBLADDER—SURGERY

Surgical treatment of acute cholecystitis. IU. O. Turmanov. Kaz. med. zhur. no. 5:17-19 S-O '63.

GALLBLADDER—TUMORS

Experience with repeated operations on the biliary tract [with summary in English]. K. T. Ovnatanian, A. M. Granov. Vest. khir. 91 no. 7:16-22 Jl '63.

GALLIUM—ANALYSIS

Gravimetric determination of gallium as phosphate [with summary in English]. I. V. Tananaev, N. N. Chudinova. Zhur. anal. khim. 18 no. 10: 1274 O '63.

More accurate quantitative analysis of gallium in alunites and the determination of its extractability. G. N. Nikolaktakhtinskii, G. A. Shakarov, G. A. Aslanov. Azerb. khim. zhur. no. 3:93-98 '62.

GALLIUM ARSENIDE CRYSTALS

Tunnel effect in films of degenerate gallium arsenide. L. G. Lavrent'eva, A. P. Vlatkin, V. A. Presnov. Izv. vys. ucheb. zav.; fiz. no. 5:174-176 '63.

GALLIUM ARSENIDE CRYSTALS—GROWTH

Growing of single crystals and single-crystal blocks of gallium arsenide by the zone melting method. A. P. Izergin, V. A. Selivanova, V. N. Charnigovskaia. Izv. vys. ucheb. zav.; fiz. no. 9:23-26 '63.

GALLIUM ARSENIDES

Effect of dislocations on cadmium diffusion in gallium arsenide. M. A. Bendik, R. L. Petrunevich, E. S. Goldin-tinskaia. Fiz. tver. tela 5 no. 11:3247-3249 N '63

GALLIUM ARSENIDES—PHOTOELECTRIC PROPERTIES

Photoelectric properties of gallium arsenide. N. M. Voronkova, D. N. Nasledov, S. V. Slobodchikov. Fiz. tver. tela 5 no. 11:3260-3263 N '63.

GALLIUM ARSENIDES—SPECTRA

Low-inertia light source from gallium arsenide. A. A. Gutkin and others. Prib. i tekh. eksp. 8 no. 4:137-144 Jl-Ag '63.

GALLIUM ORGANIC COMPOUNDS

Organogallium compounds of the Ar_3Ga class and their dioxanates. I. M. Viktorova and others. Dokl. AN SSSR 152 no. 3:609-610 S '63.

GALLIUM TELLURIDE—OPTICAL PROPERTIES

Optical and photoelectric properties of thin Ga_2Te_3 films. V. P. Mushinskii, V. I. Gramatskii, G. N. Maksimovich. Izv. vys. ucheb. zav.; fiz. no. 3:173-178 '63

GALLIUM TELLURIDE—PHOTOELECTRIC PROPERTIES

Optical and photoelectric properties of thin Ga_2Te_3 films. V. P. Mushinskii, V. I. Gramatskii, G. N. Maksimovich. Izv. vys. ucheb. zav., fiz. no. 3:173-178 '63

GAMALEIA, NIKOLAI FEDOROVICH, 1859-1949

Muromtsev, S. N., ed. [N. F. Gamaleia's contribution to microbiology and epidemiology] Vklad N. F. Gamaleia v mikrobiologiiu i epidemiologiiu. Moskva, Akad. med. nauk 1962. 163 p.
(CIY)

GAME AND GAME BIRDS

Akademiia nauk SSSR, Institut geografii. [Resources of game animals in the U. S. S. R. and their census] Resursy fauny promyslovykh zverei v SSSR i ikh uchet. Moskva, Izd-vo Akad. nauk SSSR, 1963. 209 p.

GAME PROTECTION see subdivision under Kurile Islands

GAMES, ARMENIAN

Bdoian, V., ed. [Armenian national games] Armianskie narodnye igry. Erevan, Izd-vo Akad. nauk Armianskoi SSSR. [In Armenian with summary in Russian]
Vol. 1. 1963. 295 p.

GAMES, THEORY OF

Vorob'ev, N.N., ed. [Infinite antagonistic games] Beskonechnye antagonisticheskie igry. Moskva, Fizmatgiz, 1963. 503 p. (Teoriia igr)

GAMMA FUNCTIONS see Functions, Gamma

GAMMA GLOBULIN

Effectiveness of gamma globulin in rheumatic fever. A. I. Denisinskii. Zdrav. Bel. 9 no. 3 82-83 Mr '63

GAMMA-RAY SPECTROMETER

Calibration of a scintillation gamma-spectrometer for absolute measurements. A. N. Silant'ev. Prib. i tekh. eksp. 6 no. 5 41-42 S-O '61.

Two-crystal scintillation gamma spectrometer, one crystal being organic. IA. Urbanets, I. Kaifosh. Prib. i tekh. eksp. 8 no. 5, 10-11 S-O '63.

GAMMA RAYS

Calculating the absorption of gamma-radiation energy in heterogeneous macrosystems. B. M. Terent'ev, V. A. Fil'ekov, D. I. Golenko. Atom. energ. 15 no. 5;382-386 N '63.

Energy distribution of gamma radiation in a solid medium. A. M. Sazonov, V. I. Shvidas. Atom. energ. 15 no. 5;420-422 N '63.

Wide-range roentgenometer. V. P. Ivanov, K. F. Minin, A. M. Kurin. Prib. i tekh. eksp. 8 no. 5:65-69 S-O '63.

GAMMA RAYS—INDUSTRIAL APPLICATIONS

Radio thermal cracking of gas oil of Romashkino petroleum. G. M. Panchenkov and others. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 12;99-101 '61.

GAMMA RAYS—MEASUREMENT

Importance of the difference between the gamma-spectra of radium and radioactive cobalt (Co^{000}) in clinical practice [with summary in English]. N. D. Perumova. Trudy Inst. onk. AMN SSSR. no. 3;148-157 '60.

GAMZATOV, RASUL GAMZATOVICH, 1923-

Light of the distant stars. D. A. Hirsov. Rad. lit. 7 no. 6;67-77 N-D '63.

GANDHI, MOHANDAS KARAMCHAND, 1869-1948

Some ideological sources of the early philosophy of Gandhi. Iu. D. Karpov. Nauch. dokl. vys. shkoly; filos. nauki 6 no. 4;116-122 '63.

GANGLIA, NERVOUS see Nerves

GANGLIONIC BLOCKING AGENTS

Combined action of various ganglionic blocking preparations in establishing a cholinergic block in anesthesia. N. A. Dol'nikov. Khirurgiia 39 no. 7;43-49 Jl '63.

Experience in the treatment of some skin diseases with ganglionic blocking agents. K. F. Fomin. Vest. derm. i ven. 37 no. 7;15-18 Jl '63.

Use of new Soviet ganglionic blocking preparations in surgical practice [with summary in English]. V. P. Radushkevich and others. Khirurgiia 39 no. 7;13-19 Jl '63.

GARAGES—EQUIPMENT AND SUPPLIES

Equipment for a wheel-changing unit. V. Seleznev, O. Gel'gar. Avt. transp. 41 no. 11;23-25 N '63.

GARMENT CUTTING

Adopting the methodology for the analysis of fabric utilization in the clothing industry. Kh. M. Kleiner. Shvein. prom. no. 5;32-34 S-O '63.

Forms of the organization of continuous production lines in the cutting shops of clothing factories. A. A. Skvira. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 5;10-20 '63.

Improving the organization of garment cutting. IA. M. Movshovich. Shvein. prom. no. 5;14-16 S-O '63.

Method for an optimum cutting of fabrics into layers. IU. S. Pavlenko. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 5;3-9 '63.

Studying the compression of fabrics. I. I. Kapustin, E. A. Dolin. Shvein. prom. no. 5;18-24 S-O '63.

GARMENT CUTTING—EQUIPMENT AND SUPPLIES

Portable punching machine. V. I. Kovalev. Shvein. prom. no. 5;30-31 S-O '63.

GARNET

Relation of the composition of garnets to their genesis. B. G. Lutz, K. N. Nikishov. Trudy IAFAN AN SSSR. Ser. geol. no. 9;99-102 '63.

GARNOVSKII, VITALII VSEVOLODOVICH

A bard of the Belozersk region. A. Anosov. Volog. kraĭ no. 3;230-234 '62.

GAS, NATURAL

(see also subdivision under Fergana; Kharkov Province)

Improvement of the method of gas feed in the extraction of disseminated bitumens from rocks using high pressure equipment. S. N. Belotskaia. Trudy VNIIGNI no. 212. Geokhim. shor. no. 8;246 '63.

Isakovich, R. IA. [Control and automation of petroleum and gas production] Kontrol' i avtomatizatsiia dobychi nefti i gaza. Moskva, Gostoptekhizdat, 1963. 354 p.

Moscow. Institut neftekhimicheskoi i gazovoi promyshlennosti. [Industrial program for the recovery of petroleum and gas, a textbook for the course "Organization and planning of petroleum and gas enterprises"] Proizvodstvennaia programma po dobyche nefti i gaza; uchebnoe posobie po kursu "Organizatsiia i planirovanie neftianykh i gazovykh predpriiatii." Otv. red. S. F. Gorkin. Moskva, 1962. 50 p.

GAS, NATURAL—ANALYSIS

Hydrogen in natural gases. Z. N. Nesmelova, E. A. Rogozina. Trudy VNIGRI no. 212. Geokhim. shor. no. 8;27-35 '63.

GAS, NATURAL—GEOLOGY

(see also subdivision under Apsheron Peninsula, Azerbaijan, Fergana, Noril'sk region, Turan Plateau, Yakutia)

General regularities in the behavior of gas and oil systems at great depths. T. P. Zhuze, G. N. IUshkevich, G. S. Ushakova. Dokl. AN SSSR 152 no. 3 713-716 S '63.

Neotectonic nature of anomalously high formation pressures in oil and gas fields in alpine geosynecline areas. K. A. Aniklev. Dokl. AN SSSR 152 no. 5 1192-1195 O '63.

Tyumen' conference on "Characteristics of the Distribution of Gas and Oil Fields in the R. S. F. S. R." Inform. shor. NIIGA no. 30 5-7 '62.

GAS, NATURAL—PIPELINES

(see also subdivision under Georgia)

More exact design equations for gas pipelines by the method of successive approximations. L. I. Kudriashev, M. IA. Sychev, V. A. TSererin. Izv. vys. ucheb. zav., neft' i gaz 4 no. 12;77-82 '61.

Parameters and technical and economic indices of gas pipelines. N. Z. Rubinov. Trudy VNIIST no. 14,55-68 '62.

People hold the front line. V. Pavlov. Ogonek 41 no. 46 16-17 N '63.

Study of the structure and possibility of lowering the estimated cost of gas pipelines. S. IA. Lein, B. N. Semenov. Trudy VNIIST no. 14 7-39 '62.

Welding gas and petroleum pipeline pipes having a diameter of 529-630 mm. with a bilateral spiral joint. S. L. Mandel'berg, V. E. Lopata, S. E. Semenov. Avtom. svar. 16 no. 10;63-70 O '63.

GAS, NATURAL—STORAGE

Nonsteady movement of marginal and bottom waters in creating and exploiting underground gas reservoirs in water-bearing formations with an elastic drive. P. K. Stradymov, V. N. Smirnov. Izv. vys. ucheb. zav., neft' i gaz 4 no. 12;65-71 '61.

GAS, NATURAL—TRANSPORTATION

New scientific discoveries and technological innovations. Belarus' 20 no. 11;31 N '63.

GAS AND OIL ENGINES see Internal combustion engines

GAS APPLIANCES

Apparatus for controlled pulsed admission of gas. E. T. Kucherenko, A. S. Popovich. Prib. i tekh. eksp. 8 no. 5;165-166 S-O '63.

GAS AS FUEL

Nechaev, M. A. [Principles of gas technology] Osnovy gazovoi tekhniki. Leningrad, Gostoptekhizdat, 1963. 94 p. (Biblioteka mastera gazovogo khoziaistva)

GAS BURNERS

Isserlin, A. S. [Gas burners] Gazovye gorelki. Leningrad, Gostoptekhizdat, 1963. 121 p. (Biblioteka mastera gazovogo khoziaistva)

GAS CHROMATOGRAPHY

Analysis of methallyl chloride by gas-liquid chromatography. L. I. Virin, L. M. Bushinskaia, R. V. Dzhagatspanian. Zav. lab. 29 no. 11;1301-1302 '63.

Chromatographic determination of carbon monoxide and oxygen in the products of fuel combustion. A. D. Likhachev. Zav. lab. 29 no. 11;1302-1304 '63.

Chromatography without gas carriers. A. A. Zhukhovitskii and others. Zav. lab. 29 no. 10;1162-1166 '63.

Frontal-displacement method for concentrating poorly adsorbed impurities. V. S. Mirzaianov and others. Zav. lab. 29 no. 10;1166-1169 '63.

Kinetics of heterogeneous catalytic reactions carried out under pulse-chromatographic operating conditions of ideal linear chromatography. G. A. Gaziev, V. IU. Filinovskii, M. I. IAnovskii. Kin. i kat. 4 no. 5;688-697 S-O '63.

Selecting the temperature in gas-liquid chromatographic analysis of synthetic fatty acids. B. P. Kotel'nikov, P. M. Shcherbakov. Trudy NIISZHIMSa no. 3;75-79 '62.

GAS CHROMATOGRAPHY—CONGRESSES

Fourth symposium on gas chromatography in the German Democratic Republic. Khim. i tekh. topl. i masel 8 no. 11;55-57 N '63.

GAS CONCRETE

Petrov, V. M. [We build houses of gas concrete] Stroim doma iz gazobetona. [Leningrad] Lenizdat, 1963. 77 p. (Peredovoi opyt vsem!)

GAS DETECTORS

Hand-operated universal catharometric leak detector. E. V. Aleksandrovich, V. I. Sokovishin, A. I. Sazanov. Prib. i tekh. eksp. 8 no. 5;162-164 S-O '63.

GAS DYNAMICS

Establishment of ionization equilibrium behind the shock wave front in an atomic gas. L. M. Biberman, I. T. IAkubov. Zhur. tekh. fiz. 33 no. 11,1344-1353 N '63.

Flow of a gas with delayed vibrations past the frontal critical point of a blunt-nosed body. S. I. Anisimov, IU. V. Khodyko. Zhur. tekh. fiz. 33 no. 11 1333-1337 N '63.

Isentropic expansion of a flat gas layer into vacuum under variable initial conditions. V. A. Smirnov. Inzh. zhur. 3 no. 4,700-706 '63.

Korobeinikov, V. P., P. I. Chushkin, and K. V. Sharovatova. [Tables of gas dynamic functions of the initial stage of a point explosion] Tablitsy gazodinamicheskikh funktsii nachal'noi stadii tochechnogo vzryva. Moskva, 1963. 57 p. (Akademiia nauk SSSR. Vychislitel'nyi tsentr. Soobshcheniia po vychislitel'noi matematike, no. 2)

Kraiko, A. N. [Variational problems involving supersonic flows of a gas with arbitrary thermodynamic properties] Variatsionnye zadachi sverkhzvukovykh techenii gaza s proizvol'nymi termodinamicheskimi svoistvami. Moskva, Vychislitel'nyi tsentr Akad. nauk SSSR, 1963 82 p. (Trudy Vychislitel'nogo tsentra)

Seminar on the mathematical aspects of gas dynamics. S. B. Stechkin. Usp. mat. nauk. 18 no. 5;231-232 S-O '63.

Some effects related to the multicomponent character of gas mixtures. N. A. Anfimov. Izv. AN SSSR. Mekh. i mashinostr. no. 5;117-123 S-O '63.

GAS FLOW

Effect of the thermophysical properties of gases on their heat transfer in the presence of granular materials. A. M. Kagan, I. I. Gel'perin. Khim. prom. no. 8 620-622 Ag '63.

Orifice for obtaining fine-calibrated gas flows. V. V. Grigor'iants, M. E. Zhabotinskii. Izm. tekh. no. 12;44-45 D '63.

GAS FLOW—ELECTROMECHANICAL ANALOGIES

Use of electric modeling in constructing a potential gas flow with allowance for its compressibility around a wing profile. G. S. Lipovoi. Ukr. mat. zhur. 15 no. 3 314-320 '63.

GAS GANGRENE

Role of the nervous system in the course and the outcome of gas gangrene in guinea pigs. E. A. Skvirskaia, R. IA. Zel'manovich. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1;100-109 '56.

GAS HEATING

Hygienic evaluation of gas-heated furnaces. S. I. Kulikov. Trudy Vor. med. inst. 47 69-70 '62.

Sosnin, IU. P. [Converting a local heating system to gas fuel] Perevod mestnogo otopleniia na gazovoe toplivo; posobie dlia pechnikov i tekhnikov domoupravlenii. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1963. 159 p.

GAS INDUSTRY

Kaziliunas, Romualdas. [Fuel gases and their use] Degiosios dujos ir ju panaudojimas. Vilnius, Valstybine ir mokslines literaturos leidykla, 1962. 199 p. [In Lithuanian]

GAS MANUFACTURE AND WORK

Al'tshuler, V. S., and G. P. Sechenov. [Fluidized bed processes under pressure] Protsessy v kipiashchem sloe pod davleniem. Moskva, Izd-vo Akad. nauk SSSR, 1963. 213 p.

GAS MANUFACTURE AND WORKS—BY-PRODUCTS

Use of gas producer tar. T. I. Vas'kovskii, E. I. Burnina. Ogneupory 28 no. 12;569 '63.

GAS PRODUCERS

Krepis, I. B. [Fuel and fertilizer plants] Fabriki topliva i udobrenii. Moskva, Izd-vo "Znanie," 1963. 28 p. (Novoe v zhizni, nauke, tekhnike. V Serita. Sel'skoe khoziaistvo, no. 18)

GAS-TURBINE LOCOMOTIVES see subdivision under Kolomna

GAS TURBINES

Coefficient of heat transfer in a radial flow turbine. E. G. Bogoslavskii. [Sbor. trud.] RIIZHT no. 32;139-161 '61.

"Effect of small changes in the parameters of a gas turbine plant on the power and efficiency of the unit." E. G. Bogoslavskii. [Sbor. trud.] RIIZHT no. 32,163-189 '61.

Increasing the efficiency of high-duty gas-turbine units. G. P. Verkhivker, G. Z. Shevchenko. Trudy Od. tekh. inst. 14;31-38 '62.

GAS TURBINES—DESIGN AND CONSTRUCTION

Competition or cooperation? V. Bliumkin. Znan. ta pratsia no. 10:9-10 O '63.

GAS WELDING AND CUTTING

Mechanized cutting and welding. B. Kh. Zholobov, M. A. Tarnarutskii, V. A. Brovtsev. Mashinostroenie no. 5 62-65 S-O '63.

Possibility of the oxygen cutting of metals without a gas-flame preheating. I. S. Shapiro. Trudy VNIIAvtogen no. 9:73-84 '63.

Studying the nature and conditions of changes in the structure and chemical composition of St. 3 steel at the surface of a cut. O. Sh. Spektor, G. A. Asinovskaia. Trudy VNIIAvtogen no. 9:19-32 '63.

Vasil'ev, K. V. [Gas and electric cutting of metals] Gazoelektricheskaia rezka metallov. Moskva, Mashgiz, 1963. 173 p.

GAS WELDING AND CUTTING—EQUIPMENT AND SUPPLIES

Calculating proportioning channels and nozzles for the flame cutting equipment operating on acetylene and substitute gases. V. D. Nechaev. Trudy VNIIAvtogen no. 9 33-56 '63.

Methods of calculating equal-pressure type torches. V. D. Nechaev. Svar. proizv. no. 6:31-34 Je '63.

GAS WELDING AND CUTTING—SAFETY MEASURES

Flame extinction in dry ceramic-metal seals. I. I. Strizhevskii, D. I. Tesmenitskii. Trudy VNIIAvtogen no. 9:111-123 '63.

GAS WELDING AND CUTTING—TERMINOLOGY

Gas-electric cutting terminology. K. V. Vasil'ev. Trudy VNIIAvtogen no. 9:85-99 '63.

GASEOUS PLASMA see Plasma (Ionized gases)

GASES

Determination of dust in furnace gases. M. A. Raivich. Sbor. mat. po obm. opyt. NIUIF no. 12-8-9 '59.

Rapoport, F. M., and A. A. Il'inskaia. [Laboratory methods for obtaining pure gases] Laboratornye metody polucheniia chistykh gazov. Moskva, Goskhimizdat, 1963. 419 p.

Solubility of oxygen-nitrogen mixtures in toluene. D. S. TSikida, L. I. Shenderei. Khim. prom. no. 9:690-691 S '63.

Thermodynamic analysis of the process of condensation of hydrogen fluoride from its mixture with water vapor, hydrogen, and carbon monoxide. N. P. Galkin and others. Khim. prom. no. 9:686-690 S '63.

Universal formula for the calculation of the solubility of gases in mineral waters. M. R. Lozovskii, B. IA. Rozen. Inform. sbor. NIIGA no. 30:62-66 '62.

GASES—ABSORPTION

Activation of the process of hydrogen absorption by palladium. V. V. Sof'ina. Prib. i tekh. eksp. 8 no. 4 174-175 Jl-Ag '63.

GASES—ANALYSIS

Akademiia nauk SSSR. Institut neftekhimicheskogo sinteza. [Separation and analysis of hydrocarbon gases] Razdelenie i analiz uglevodorodnykh gazov; sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 231 p.

Simple method for calculating corrections for the expansion of gaseous mixtures. D. K. Kollerov. Izm. tekh. no. 12:42-44 D '63.

GASES—DENSITY

Use of the phase method of multiwave interferometry for measuring low gas densities. F. A. Korolev, G. I. Kronskii, I. V. Skokov. Izv. vys. ucheb. zav., fiz. no. 5:61-63 '63.

GASES—LIQUEFACTION

Improvement and acceleration of a VO1 hydrogen liquefier. A. G. Zel'dovich, IU. K. Pilipenko. Prib. i tekh. eksp. 8 no. 4:191 Jl-Ag '63.

GASES—PURIFICATION

Acetylene purification by liquid nitric acid. S. P. Kal'manovich, L. L. Strizhevskii. Trudy VNIIAvtogen no. 9: 124-135 '63.

Comparison of some economic indices in the operation of shops for sulfur removal by potassium carbonates and soda potassium carbonate mixtures. N. N. Gerokhov. Koks i khim. no. 11:48-49 '63.

Industrial catalytic purification of a nitrogen-hydrogen mixture by the removal of carbon monoxide and carbon dioxide. V. M. Vlasenko and others. Khim. prom. no. 8:583-586 Ag '63.

Purification of technical gases having a high oxygen content. B. M. Estrin, F. D. Sokolinskii. Khim. prom. no. 8:588-591 Ag '63.

GASES—SEPARATION

Geinrikhs, G. K. [Ship and coastal oxygen plants] Sudovye i beregovye kislorodnye ustanovki. Leningrad, Sudpromgiz, 1963. 341 p.

GASES—SPECTRA

Bochkova, O. P., and E. IA. Shreider. [Spectrum analysis of gaseous mixtures] Spektral'nyi analiz gazovykh smesei. Izd. 2., pererab. i dop. Pod red. S. E. Frisha. Moskva, Gos. izd-vo fiziko-matematicheskoi lit-ry, 1963. 307 p. (Biblioteka inzhenera; fizika i tekhnika spektral'nogo analiza)

Use of the IKS-12 spectrometer for investigating spectra of gases. A. P. Filippov. Zav. lab. 29 no. 11:1379-1380 '63.

GASES—THERMAL PROPERTIES

Using the method of nonstationary thermal conditions in determining the heat conductivity of liquids and gases at high pressures. IA. M. Naziev. Za tekh. prog. 3 no. 7:15-19 Jl '63.

GASES—THERMODYNAMICS

Vargaftik, N. B. [Manual on the thermophysical properties of gases and liquids] Spravochnik po teplofizicheskim svoistvam gazov i zhidkostei. Moskva, Fizmatgiz, 1963. 708 p.

GASES IN METALS—TESTING

Industrial sampling for the rapid determination of the degree of gas saturation of liquid nonferrous alloys. P. I. Pankin. Lit. proizv. no. 10:45-46 O '63.

GASES IN SOILS see subdivision under Kiyaz'ma Valley

GASES IN THE BLOOD see Blood, Gases in

GASOLINE—CLEANING

Sand cleans gasoline; plastics instead of boring; motor-truck without a body. A. Stroganov. Izobr. i rats. no. 11:13, 38 '63.

GASTRIC JUICE

Proteins, protein fractions, nonprotein nitrogen and amino acids in the gastric juice under normal and pathological conditions. I. T. Abasov. Dokl. AN Azerb. SSR 19 no. 4:85-88 '63.

GASTROINTESTINAL HEMORRHAGE

Acute gastric hemorrhage due to hiatal hernia. T. Z. Gurevich, M. V. Smirnova. Vrach. delo no. 11:143-144 N '63.

GASTROINTESTINAL MOTILITY

Effect of ACTH on the intestinal motility and its reflex regulation. V. R. Khodasevich. Trudy Khab. med. inst. 23 no. 2:41-43 '62.

Effect of dynamic and static load on the motor activity of the stomach in its functional disorders. A. F. Polianichko. Eksp. issl. po fiziol., biokhim. i farm. no. 3: 99-105 '61.

Effect of hemic hypoxia of the organism on the state of the stomach mucosa and its motor activity. V. V. Merenov. [Sbor. trud.] Lvov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4:65-69 '60.

Study of the motor function of the intestines in man by the balloon-kymographic method. Report No. 2. "Fasting" motor activity of the jejunum in man in chronic enteritis (enterocolitis). V. G. Kildyshev. Klin. med. 41 no. 7:67-71 Jl '63.

GAUGES

Rigidity calculation of even limit gauges. G. I. Valishvili. Izm. tekh. no. 10:16-18 O '63.

GEAR CUTTING

Cutting gear wheels with hobbing cutters. B. L. Koperbakh. Stan. i instr. 34 no. 11:39-40 N '63.

Grinding involute worm gears with disk cone grinding wheels. S. B. Fraimovich. Stan. i instr. 34 no. 11:28-29 N '63.

GEAR-CUTTING MACHINES

Modernization of gear-milling machines for cutting gear wheels with elliptoid teeth. V. S. Severilov. Mashinostroenie no. 5:29-30 S-O '63.

Universal semiautomatic gear-milling machine. Mashinostroenie no. 6:110-112 N-D '63.

GEARING

Development of graphic analysis of differential drives. IU. D. Vragov. Trudy GPI 17 no. 4:49-68 '61.

Sheviakov, N. N. [Stress analysis of gear wheel teeth; a textbook for the course "Machine parts"] Raschet zub'ev zubchatykh koles na prochnost', uchebno-metodicheskoe posobie po kursu "Detali mashin." Moskva, Vses. zaochnyi mashinostroitel'nyi in-t, 1963. 38 p.

Talts, B. A., ed. [Manufacture of gear wheels] Proizvodstvo zubchatykh koles; spravochnik. [By] S. N. Kalashnikov i dr. Moskva, Mashgiz, 1963. 683 p.

Technology of casting gear wheels. N. I. Averbukh. Lit. proizv. no. 10:6-8 O '63.

Theory of the losses in a chain speed variator. B. N. Borovskii, V. P. Serdiuk. Izv. vys. ucheb. zav. ; tekh. tekh. prom. no. 5:106-115 '63.

GEARING, BEVEL—STANDARDS

Standardization of bevel gears. M. A. Shleifer. Standartizatsiia 27 no. 11:7-13 N '63.

GEARING, SPUR

Using corrected spur gearing in the petroleum industry. V. A. Avakov and others. Azerb. neft. khoz. 40 no. 5:39-41 My '61.

GEARING, SPUR—STANDARDS

Using machinery industry standard "Noncorrected spur gear wheels with a 1.5 to 8mm. module." M. B. Gitman. Standartizatsiia 27 no. 11 48-52 N '63.

GENERALIZED SPACES see Spaces, Generalized

GENERATIVE ORGANS

Gonads. A. Anatol'ev. Zdorov'e 9 no. 10:9 O '63.

GENERATIVE ORGANS—DISEASES

"Effect of ionizing radiation on the sexual glands, pregnancy and intrauterine fetus" by V. I. Bodiazhina and others. Reviewed by E. P. Ivanitskaia. Akush. i gin. 39 no. 4 143 Jl-Ag '63.

GENERATIVE ORGANS, FEMALE—ABNORMITIES AND DEFORMITIES

Congenital adrenogenital syndrome in girls (with summary in English). L. G. Tumilovich. Akush. i gin. 39 no. 4 22-29 Jl-Ag '63.

GENERATORS, THERMOELECTRIC see Thermoelectric generators

GENETICS

Competition for a textbook on genetics with fundamentals of selection. Vest. vys. shkoly 21 no. 11:86 N '63.

New genetic lines of the yeast Saccharomyces cerevisiae (with summary in English). S. G. Inge-Vechtomov. Vest. LGU 18 no. 21:117-125 '63.

Zhukov-Verezhnikov, N. N., and A. P. Pekhov. [Genetics of bacteria] Genetika bakterii. [Moskva] Medgiz, 1963. 457 p.

GENITOURINARY ORGANS—DISEASES

Experience with peroral therapy of urogenital trichomoniasis with flagyl [with summary in English]. B. A. Teokharov, A. F. Anikin, V. M. Klinyshkova. Vest. derm. i ven. 37 no. 7:62-66 Jl '63.

Mokhort, V. A. [Actinomycosis of the urogenital organs] Aktinomikoz mochepolovykh organov. Minsk, Gosizdat BSSR, 1963. 109 p. (DNLM)

Significance of the culture method and repeated examinations in the diagnosis of trichomoniasis of the genitourinary tract [with summary in English]. J. H. Teras, E. M. Roigas, I. A. Laan. Med. parazit. i parazit. bol. 32 no. 5 586-588 S-O '63.

GENOA ECONOMIC AND FINANCIAL CONFERENCE, 1922

Lopatin, V. F. [Failure of the anti-Soviet plans of the U. S. A., Genoa-The Hague, 1922] Proval antisovetskikh planov SShA, Genuia-Gaaga 1922. Moskva, Gospolitizdat, 1963. 235 p.

GEOCHEMICAL PROSPECTING

Determination of small quantities of lead in natural waters and water extracts from soils using the new Plumbon IREA reagent. E. A. Kiuregian. Izv. AN Arm. SSR, Geol. i geog. nauki 16 no. 4/5:103-106 '63.

Results of the Second All-Union Conference on the Problems of Geochemical Prospecting for Minerals. Geol. zhur. 23 no. 5:106-108 '63.

Uranium prospecting from airplanes in forest regions. V. I. Balabanov, A. L. Kovalevskii. Atom. energ. 15 no. 5:432-434 N '63.

GEOCHEMISTRY

(see also subdivision under Siberia)

Akademiia nauk URSR, Kiev. Ukrainskoe otdelenie Vsesoiuznogo mineralogicheskogo obshchestva. [Theoretical and genetic problems of mineralogy and geochemistry] Teoreticheskie i geneticheskie voprosy mineralogii i geokhimii. Kiev, Izd-vo Akad. nauk USSR, 1963. 105 p.

Earth in the laboratory of a chemist. IE. Burkser. Nauka i zhyttia 13 no. 10:14-15 N '63.

Use of the autoradiographic method in genetic mineralogy, geochemistry, and crystallomorphology. D. A. Minear. Trudy IMGRE no. 18:60-64 '63.

GEODESY

Gurshtein, A. A. [Man measures the earth] Chelovek izmeriaet Zemliu. Pod red. G. V. Bagratuni. Moskva, Gosgeoltekhizdat, 1963. 35 p.

GEODESY—ABSTRACTS

[Geodesy] Ref. zhur. : Geod. no. 12 D '63.

GEO-ELECTRIC PROSPECTING see Electric prospecting

GEOGRAPHICAL DISTRIBUTION OF ANIMALS AND PLANTS

Voronov, A. G. [Biogeography; with the elements of biology] Biogeografiia (s elementami biologii). [Moskva] Izd-vo Mosk. univ., 1963. 337 p.

GEOGRAPHICAL MYTHS

Lithuanian legends about vanished cities. B. Korbelite. Sov. etn. no. 5:99-108 S-O '63.

GEOGRAPHICAL NAMES see Names, Geographical

GEOGRAPHICAL RESEARCH
First geographical work in Soviet Russia. V. V. Obruchev. Izv. Vses. geog. ob-va 95 no. 5:472-473 S-O '63.

GEOGRAPHICAL SOCIETIES see subdivision under Kirghizistan; Sverdlovsk; Vologda

GEOGRAPHY
(see also subdivision under Kirghizistan, Vologda Province)
Erroneous philosophical bases of the "unified geography." M. I. Al'brut. Izv. Vses. geog. ob-va 95 no. 5:400-405 S-O '63.
Geographical tournament. R. Skarlato. Znan. ta pratsia no. 10, 11-13 O '63.
In reference to S. V. Kalesnik's article "On "monism" and "dualism" in Soviet geography." V. G. Konovalenko. Geog. i khoz. no. 12:78-87 '63.

GEOGRAPHY—ABSTRACTS
[Geography] Ref. zhur.: Geog. no. 12 D '63.

GEOGRAPHY—BIBLIOGRAPHY see Bibliography—Geography

GEOGRAPHY—STUDY AND TEACHING see subdivision under Kirov Province

GEOGRAPHY, ECONOMIC
(see also subdivision 'Economic geography' under Canada, Egypt; Issykkul' region; Kirghizistan; Nanay District; Odessa; Ukraine)
Leningrad. Universitet. [Problems in economic geography] Voprosy ekonomicheskoi geografii. Leningrad, 1962. 186 p. (DBC)
New book with old ideas. V. A. Anuchin. Geog. i khoz. no. 12:93 '63.

GEOLOGICAL RESEARCH see subdivision under Armenia

GEOLOGICAL TIME
(see also subdivision under Ukraine)
Akademiia nauk SSSR. Komissiia po izucheniiu chetvertichnogo perioda. [Absolute geochronology of the Quaternary] Absoliutnaia geokhronologiia chetvertichnogo perioda. Moskva, Izd-vo Akad. nauk SSSR, 1963. 158 p.
Use of the paleomagnetic method for determining the age of kimberlites and trap rocks. D. I. Savrasov. Trudy IAFAN AN SSSR, Ser. geol. no. 9:162-171 '63.

GEOLOGY
(see also subdivision under Arkhangel Province; Asia; Aydar Valley; Darkul Valley, Ukraine; Kazakhstan; Komi A. S. S. R., Mongolia; Sargatskoye region; Soviet Central Asia; Vologda Province)
Charygin, M. M. [General geology] Obshchaia geologiia. Izd. 3., perer. i dop. Moskva, Gostoptekhizdat, 1963. 376 p.
Garkusha, I. F. [Soil science and the fundamentals of geology] Pochvovedenie s osnovami geologii. Moskva, Sel'khozizdat, 1963. 256 p. (Uchebniki i uchebnye posobiia dlia sel'skokhoziaistvennykh tekhnikumov)
Tikhomirov, V. V. [Geology in Russia in the first half of the 19th century] Geologiia v Rossii pervoi poloviny XIX veka. Moskva, Izd-vo Akad. nauk SSSR.
Pt. 2. [Development of basic ideas and trends in geology] Razvitie osnovnykh idei i napravlenii geologicheskoi nauki. 1963. 485 p.
V. A. Obruchev and the problems of geology. V. V. Tikhomirov. Priroda 52 no. 10:53 '63.

GEOLOGY—ABSTRACTS
[Geology] Ref. zhur.: Geol. no. 12 D '63. Predmetnyi ukazatel' za 1962 g.

GEOLOGY—BIBLIOGRAPHY see Bibliography—Geology

GEOLOGY—MAPS
(see also subdivision under Siberian Platform)
Efficient method for compiling maps of areas of mineral concentrates. M. A. Krutoyarskii. Trudy IAFAN AN SSSR, Ser. geol. no. 9:155-161 '63.

GEOLOGY—SOCIETIES, ETC. see subdivision under Turkmenistan

GEOLOGY, ECONOMIC see subdivision under Siberia; Ural Mountain region

GEOLOGY, STRATIGRAPHIC
(see also subdivision under Altai Mountains; Amur Valley; Anabar Shield; Armenia, Badkhyz; Bashkiria; Bol'shezemel'skaya Tundra; Carpathian Mountains; Donets Basin; Kharkov region; Kiran Valley; Krasnovodsk Peninsula; Kugitangtau; Lyapin Valley; Tyumen' Province; Markha Valley; Minusinsk Basin; Moyyero Valley; Nakhichevan A. S. S. R.; Olenek Valley; Russia, Northern: Sayan Mountains; Shchugor Valley, Komi A. S. S. R.; Soviet Central Asia; Svanetiya; Transbaikalia; Turkmenistan; Tuva A. S. S. R.; Ukraine; Ural Mountain region; Ural Mountains; Verkhoyansk Range; West Siberian Plain)
Sultanov, A. D., and others. [Lithology of sediments in the Apsheronian stage of Azerbaijan] Litologiia otlozhenii apsheronskogo iarusa Azerbaidzhana. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 249 p.

GEOLOGY, STRUCTURAL
(see also subdivision under Antarctic regions; Armenia; Bukovina, Donets Basin; Khantayka Valley; Krasnovodsk Peninsula; Minusinsk Basin, Russian Platform, Severnaya Valley, Krasnoyarsk Territory; Siberian Platform; Soviet Central Asia; Stavropol Territory; Ukraine, Ural Mountain region; Ural Mountains; West Kopetdag, Yenisey Ridge)
Basic forms of convective structures in sedimentary rocks. E. V. Artiushkov. Dokl. AN SSSR 153 no. 2: 412-415 N '63.
Formation of local structures as a result of pulsations of regional tectonic pressures. V. P. Bukhartsev. Dokl. AN SSSR 152 no. 5:1196-1199 O '63.
Lange, O. K., and M. F. Ivanova. [General geology; lecture course] Obshchaia geologiia; kurs lektsii. Pod red. O. K. Lange. [Moskva] Izd-vo Mosk. univ. No. 2. 1962. 162 p.
Second All-Union Conference on Tectonics and the Problems of Tectonic Studies in the Armenian S. S. R. A. A. Gabrielian. Izv. AN Arm SSR. Geol. i geog. nauki 16 no. 4/5:179-183 '63.

GEOLOGY, STRUCTURAL—MAPS see subdivision under Yakutia

GEOMETRICAL OPTICS see Optics, Geometrical

GEOMETRY
Akademiia nauk Armianskoi SSR, Erivan. Sovet po istorii estestvoznaniia i tekhniki. [Euclidean geometry] Geometriia Evklida. Tekst podgotovili k pechati G. B. Petrosian i A. G. Abramian. Erevan, Izd-vo Akad nauk Armianskoi SSR, 1962. 285 p. [In Armenian with summaries in Russian and English] [MICROFILM]
Two geometrical interpretations of systems of equations in algebra of logic and the states of their physical analogs. M. IA. Bingorin. Izv. vys. ucheb. zav.; radiofiz. 6 no. 5:1071-1075 '63.

GEOMETRY, ANALYTIC
Vygodskii, M. IA. [Analytic geometry] Analiticheskaia geometriia. Moskva, Fizmatgiz, 1963. 528 p. (Osnovy vysshei matematiki, no. 1)

GEOMETRY, DESCRIPTIVE—PROBLEMS, EXERCISES, ETC.
Arustamov, Kh. A. [Problems in descriptive geometry with solutions of standard problems] Sbornik zadach po nachertatel'noi geometrii s resheniiami tipovykh zadach. Izd. 6. Moskva, Mashgiz, 1963. 375 p.

GEOMETRY, DIFFERENTIAL
Frenet's formulae in semielliptic spaces. L. V. Puchkova. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 4:59-64 '63.
Invariant construction of the differential geometry of a manifold of plane algebraic elements. V. S Malakhovskii. Dokl. AN SSSR 152 no. 3:550-552 S '63.
Shulikovskii, V. I. [Classical differential geometry in terms of the calculus of tensors] Klassicheskaia differentsial'naia geometriia v tenzornom izlozhenii. Pod red. A. P. Nordena. Moskva, Fizmatgiz, 1963. 540 p.

GEOMETRY, SOLID
Solution of the problem of the loosest latticed covering for a four-dimensional space by identical spheres. B. N. Delone, S. S. Ryshkov. Dokl. AN SSSR 152 no. 3: 523-524 S '63.

GEOMORPHOLOGY see subdivision under Sverdlovsk Province

GEOMORPHOLOGY—MAPS
(see also subdivision under Yakutia)
Geographical errors on the 1962 map by V. V. Belousov, G. P. Tamrazian. Izv. Vses. geog. ob-va 95 no. 5:469-470 S-O '63.

GEOPHYSICAL RESEARCH see subdivision under Antarctic regions

GEOPHYSICS
Direction of the main axes of the stressed state in earth tides. M. S. Molodenskii. Izv. AN SSSR. Ser. geofiz. no. 10:1483-1485 O '63.
Distribution of thermal neutrons, allowing for deceleration, as applicable to pulse-source neutron measurement in geophysics. V. F. Zakharchenko. Izv. AN SSSR. Ser. geofiz. no. 10:1522-1531 O '63.
Mathematical experiment for solving certain geophysical problems. I. G. Diad'kin, A. T. Lisenenkov, G. N. Zverev. Izv. AN SSSR, Ser. geofiz. no. 11:1694-1698 N '63.
Relaxation of thermal stresses in the upper layers of the earth. V. V. Popov. Izv. AN SSSR. Ser. geofiz. no. 10:1494-1507 O '63.

GEOPHYSICS—INTERNATIONAL COOPERATION
World Center of Information on the International Geophysical Year. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk no. 6:83 '61.

GEOPHYSICS—OBSERVATIONS see subdivision under Georgia

GEORGIA—ANTIQUITIES
Pkhakadze, G. G. [Aeneolithic antiquities of Kvemo-Kartli; aeneolithic monuments of Kiketi] Eneolit Kvemo Kartli; eneoliticheskie pamiatniki Kiketi. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 130 p. illus. [In Georgian with summary in Russian]

GEORGIA—CULTURE
Comrade artist, be welcome! V. Mushtaev, V. IUr'ev. Komsom. zhizn' no. 14:4-7 Jl '63.

GEORGIA—FRUIT—DISEASES AND PESTS
Study of the leaf miner Lithocolletis blancardella F., a pest of fruit crops in eastern Georgia [with summary in English]. A. I. Bagdavadze. Zool. zhur. 42 no. 9: 1412-1413 '63.

GEORGIA—GAS, NATURAL—PIPELINES
Pipeline beyond the clouds. E. Petrova. Smena 40 no. 12:4-6 Je '63.

GEORGIA—GEOPHYSICS—OBSERVATIONS
Akademiia nauk Gruzinskoi SSR, Tiflis. Institut geofiziki. [Yearbook of geophysical observations, 1959] Ezhegodnik geofizicheskikh nabliudenii, 1959. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 153 p. [Text in Georgian and Russian]

GEORGIA—IRRIGATION FARMING—FINANCE
Determining the economic efficiency of capital investments in land improvement. D. Bakradze. Vop. ekon. no. 10:144-148 O '63.

GEORGIA—LABOR AND LABORING CLASSES—EDUCATION
Good specialists are a basis for success. V. Mzhavanadze. Part. zhizn' no. 23:8-14 D '63.

GEORGIA—LEAF MINERS
Study of the leaf miner Lithocolletis blancardella F., a pest of fruit crops in eastern Georgia [with summary in English]. A. I. Bagdavadze. Zool. zhur. 42 no. 9: 1412-1413 '63.

GEORGIA—MUSIC
Beliaev, V. M. [Outline history of the music of the peoples of the U. S. S. R.] Ocherki po istorii muzyki narodov SSSR. Moskva, Muzgiz.
No. 2. [Musical culture of Azerbaijan, Armenia and Georgia] Muzykal'naia kul'tura Azerbaidzhana, Armenii i Gruzii. 1963. 339 p.

GEORGIA—PUBLIC PROSECUTORS
How we supervise the trial of civil cases. V. Asieshvili. Sots. zakon. 10 no. 9:57-58 S '63.

GEORGIA—REVOLUTION, 1917-1921
Aladzhalova, N. N. [From the Bolshevik underground; reminiscences] Iz bol'shevistskogo podpol'ia, vospominaniia. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1963. 77 p.

GEORGIA—RUSSIAN SOCIAL DEMOCRATIC PARTY
Aladzhalova, N. N. [From the Bolshevik underground; reminiscences] Iz bol'shevistskogo podpol'ia; vospominaniia. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1963. 77 p.

GEORGIAN POETRY—HISTORY AND CRITICISM
Book by a Russian critic on Georgian poets. L. Arutiunov. Vop. lit. 7 no. 10:191-195 O '63.

GERBILS—PARASITES see Parasites—Gerbils

GERBILS AS CARRIERS OF DISEASE see subdivision under Turkmenistan

GERIATRIC ANESTHESIA
Selection of anesthesia in elderly and senile persons [with summary in English]. N. A. Erivantsev. Khirurgiia 39 no. 7:33-38 Jl '63.

GERIATRICS
Lutsenko, S. M. [Peritonitis in old age and senility; clinical, experimental and morphological study] Peritonit v pozhilom i starcheskom vozraste; kliniko-eksperimental'no-morfologicheskoe issledovanie. Kishinev, Izd-vo "Shtiintsa" Akad. nauk Moldavskoi SSR, 1962. 214 p. (DNLM)
Surgical treatment of hernia in elderly and senile patients [with summary in English]. R. M. Nurmukhamedov, P. V. Kuzionov. Vest. khir. 90 no. 6:40-43 Je '63.

GERIATRICS—CONGRESSES
Hungarian Conference of Gerontologists. P. D. Marchuk. Klin. med. 41 no. 7:153-155 Jl '63.

GERKEN, NIKOLAI ALEKSANDROVICH, 1863-1933
Professor N. A. Gerken as a surgeon and teacher; on the 100th anniversary of his birth (1863-1933). P. V. Manenkov. Kaz. med. zhur. no. 5:101-103 S-O '63.

GERMAN, IURII PAVLOVICH, 1910-
Iurii German's tale "Hello, Doctor!" I. Nappel'baum. Zvezda no. 5:210 My '62.

GERMAN DEMOCRATIC REPUBLIC see Germany, East

GERMAN FEDERAL REPUBLIC see Germany, West

GERMAN LANGUAGE—GRAMMAR

Bessmertnaia, N. V., A. R. Vetrova, and L. A. Mionchinskaia. [Textbook of the German language; for use in higher military schools for officers] Uchebnik nemetskogo iazyka, dlia vysshikh komandnykh voennykh uchebnykh zavedenii. Moskva, Voenizdat, 1963. 461 p.

GERMAN LANGUAGE—STUDY AND TEACHING

Is translation needed in teaching foreign language in schools? I. I. Bogdanova. Sov. pedag. 27 no. 10:119-125 O '63.

We work in a new way. L. I. Maltseva, V. V. Riauzov. Sov. pedag. 27 no. 10 126-128 O '63.

GERMAN LITERATURE—HISTORY AND CRITICISM

Akademiia nauk SSSR. Institut mirovoi literatury. [History of German literature in five volumes] Istoriia nemetskoi literatury v piati tomakh. Moskva, Izd-vo Akad. nauk SSSR.

Vol. 2. [The 18th century] XVIII v. 1963. 463 p.

Aspect of retaliation. A. Gerin. Vop. lit. 7 no. 10:135-138 O '63.

GERMANE

Interaction of trichlorogermane with conjugated dienes. V. F. Mironov, T. K. Gar. Dokl. AN SSSR 152 no. 5 1111-1114 O '63.

GERMANIUM

Distribution of germanium in the cross section of a simple coal seam. A. V. Pavlov, E. I. Fokina. Inform. sbor. NIIGA no. 30:42-51 '62.

GERMANIUM—ANALYSIS

Evaluating the accuracy and correctness of the methods for the determination of germanium and beryllium. L. E. Berenshtein, O. B. Fal'kova. Zav. lab. 29 no. 10: 1217-1219 '63.

Forms in which germanium is associated with brown coals. T. G. Kornienko. Azerb. khim. zhur. no. 3, 125-131 '62.

Pyrocatechol violet as a reagent for germanium [with summary in English]. V. A. Nazarenko, L. I. Vinarova. Zhur. anal. khim. 18 no. 10:1217-1221 O '63.

GERMANIUM—ELECTRIC PROPERTIES

Electric instability in germanium. I. A. Kurova, S. G. Kalashnikov. Fiz. tver. tela 5 no. 11 3224-3230 N '63.

Leakage and instability of germanium junction transistors. V. I. Kuznetsov, D. P. Fedorov, M. I. Shchevelev. Izv. vys. ucheb. zav., fiz. no. 3:27-31 '63.

Piezoresistance of germanium. V. S. Shadrin, A. F. Gorodetskii. Fiz. tver. tela 5 no. 11:3081-3087 N '63.

Some properties of germanium with admixture of gold. V. I. Stafeev. Fiz. tver. tela 5 no. 11:3095-3104 N '63.

GERMANIUM—PHOTOELECTRIC PROPERTIES

Long-time changes in the photoelectromagnetic effect in germanium. L. I. Kolesnik, IU. A. Kontsevoi. Fiz. tver. tela 5 no. 11 3346-3348 N '63.

GERMANIUM—TESTING

Presentation of the results of investigation of the structural defects of germanium. V. N. Maslov and others. Zav. lab. 29 no. 10:1205-1211 '63.

GERMANIUM—THERMAL PROPERTIES

Effect of impurities on the coefficient of thermal expansion of p-Ge. V. V. Zhdanova. Fiz. tver. tela 5 no. 11:3341-3343 N '63.

GERMANIUM COMPOUNDS

Countercurrent coprecipitation of germanium with slightly soluble compounds of heavy metals. N. S. Fortunatov, L. E. Slobtsov. Ukr. khim. zhur. 29 no. 11: 1223-1226 '63.

GERMANIUM CRYSTALS—GROWTH

Effect of cadmium on the probability of electron recombination in germanium. E. IU. L'vova. Fiz. tver. tela 5 no. 11:3057-3059 N '63.

GERMANIUM CRYSTALS—OPTICAL PROPERTIES

Determination of the orientation of germanium crystals using an optical method. S. V. TSivinskii, A. V. Stepanov. Zav. lab. 29 no. 11:1333-1335 '63.

GERMANIUM-GOLD ALLOYS—ELECTRIC PROPERTIES

Surface conductivity of germanium alloyed with gold. G. A. Katrich, O. G. Sarbei. Fiz. tver. tela 5 no. 11: 3321-3322 N '63.

GERMANIUM OXIDES

Determination of small amounts of arsenic and antimony in germanium dioxide. Z. Rzhezach, IU. Ditz. Zav. lab. 29 no. 10:1176-1178 '63.

GERMANIUM-SILICON ALLOYS

Production and determination of certain properties of whisker type and acicular single crystals in solid solutions of the system Ge - Si. A. V. Sandulova. Dokl. AN SSSR 153 no. 2:330-332 N '63.

GERMANOV, ANATOLII VASIL'EVICH

According to regulations of conscience. V. Khamov. Sov. voin 45 no. 19:8 O '63.

GERMANY—EUROPEAN WAR, 1914-1918

More about F. Fischer's book on the military objectives of German kaisers. L. M. Georgiev. Vop. ist. 38 no. 11:189 N '63.

GERMANY—FOREIGN ECONOMIC RELATIONS—RUSSIA

First five-year plan of the U. S. S. R. and the foreign policy of German imperialism [translated from the German]. G. Rosenfeld. Ist. SSSR 7 no. 6 183-198 N-D '63.

GERMANY—FOREIGN RELATIONS—GREAT BRITAIN

An evaluation of the Anglo-German Agreement of 1890. N. A. Erofeev. Vop. ist. 38 no. 12:186 D '63.

GERMANY—HISTORY

"Aggression of fascist Germany in Europe, 1933-1939" by V. T. Fomin. Reviewed by L. S. Galkin. Vop. ist. 38 no. 12:133-136 D '63.

"The South German Jacobins" [in German] by H. Scheel. Reviewed by I. I. Devitskii. Vop. ist. 38 no. 11:160-162 N '63.

GERMANY—HISTORY, MILITARY

General Seeckt's action against the disarmament of Germany in 1919. F. A. Kublitskii. Vop. ist. 38 no. 11: 193-194 N '63.

Role of the Russian Army in the War of Liberation of the German nation in the first half of 1813. F. Straube. Voen.-ist. zhur. 5 no. 10:108-114 O '63.

GERMANY—PEACE TREATIES

The stamp of books. Zhen. mira no. 12:8 '61.

GERMANY—PHILOSOPHICAL ANTHROPOLOGY

Anthropological principle in the German idealistic philosophy of the 19th and 20th century. K. N. Liubutin. Nauch. dokl. vys. shkoly; filos. nauki 6 no. 5:81-90 '63.

GERMANY—RELATIONS (GENERAL) WITH RUSSIA

"The German proletariat in the struggle for peace with Soviet Russia, November 1917-February 1918" by L. S. Kremer. Reviewed by M. A. Poltavskii. Vop. ist. 38 no. 12:136-137 D '63.

GERMANY—WORLD WAR, 1939-1945

Rozanov, G. L. [Collapse of fascist Germany] Krushenie fashistskoi Germanii. Dop. i perer. izd. knigi "Poslednie dnie Gitlera." Moskva, IMO, 1963. 281 p.

GERMANY—WORLD WAR, 1939-1945—DOCUMENTS ETC., SOURCES

Strategic plans of the German command for 1942. Voen.-ist. zhur. 5 no. 11:84-89 N '63.

GERMANY—WORLD WAR, 1939-1945—MORAL ASPECTS

Moral responsibility of the German General Staff for the activities during the period of fascism. I. Krivental', Voen.-ist. zhur. 5 no. 11:101-105 N '63.

GERMANY, EAST—BIBLIOGRAPHY—MEDICINE

"Virchows's Archive for Pathological Anatomy and Physiology and for Clinical Medicine", Vol. 335, no. 6, 1962 [in German]. Reviewed by R. D. Shtern. Arkh. pat. 25 no. 6:77-78 '63.

GERMANY, EAST—CLOCKMAKING AND WATCHMAKING

Resourceful watchmaker. Wolfgang Richter. Znan. ta pratsia no. 10:23 O '63.

GERMANY, EAST—FOREIGN RELATIONS

German Democratic Republic: Peaceful foreign policy. Johannes Koenig. Mezhdunar. zhizn' 10 no. 11:22-29 N '63.

GERMANY, EAST—FOREIGN RELATIONS—GERMANY, WEST

A dialogue across the border. A. Zholkver. Nov. vrem. 21 no. 52:16-17 D '63.

GERMANY, EAST—KIDNAPPING

The same people, the same methods.... Wilhelmine Schirmer-Prescher. Zhen. mira no. 11:16-17 '61.

GERMANY, EAST—LATIN-AMERICAN STUDIES

New studies on Latin America in the German Democratic Republic, 1960-1963. IU. M. Grigor'ian. Vop. ist. 38 no. 11:196-199 N '63.

GERMANY, EAST—MEDICAL JURISPRUDENCE

Organization of medicolegal expertise in the German Democratic Republic. A. P. Belov. Sud.-med. ekspert. 6 no. 4:37-40 O-D '63.

GERMANY, EAST—MOTION-PICTURE CARTOONS

Why everyone has a tiny seed of wisdom; East German motion-picture cartoons. Zhen. mira no. 12:30-31 '61.

GERMANY, EAST—OPTICAL INSTRUMENTS

Exhibition of instruments made by VEB "Karl Zeiss" (German Democratic Republic). I. K. Petrov. Mekh. i avtom. proizv. 17 no. 10:43-48 O '63.

GERMANY, EAST—RESEARCH, INDUSTRIAL

Business accounting in scientific and technical institutes of the German Democratic Republic. K. Hoyer. Plan. khoz. 40 no. 11:70-73 N '63.

GERMANY, EAST—SHIPS—WATER SUPPLY

Purification of drinking water on ships. Sudostroenie 29 no. 10 76 O '63.

GERMANY, EAST—TECHNOLOGICAL INNOVATIONS

News from our friends. Izobr. i rats. no. 11:40 '63.

GERMANY, EAST—TOYS

Toys of the German Democratic Republic. V. Polishchuk. Mest. prom. i khud. promys. 3 no. 9:38-39 S '62.

GERMANY, EAST—WAR CRIME TRIALS

The trial of Hans Globke, a German war criminal. G. Aleksandrov. Sots. zakon. 40 no. 10:81-85 O '63.

GERMANY, WEST—BOUNDARIES

The real nature of revanchism. B. IUrinov. Nov. vrem. 21 no. 50, 13-15 D '63.

GERMANY, WEST—COMMUNIST PARTY

The vanguard of West German workers. P. Naumov, I. Moryganov. Kommunist 40 no. 16:90-99 N '63.

GERMANY, WEST—ECONOMIC CONDITIONS

Some results of the "Adenauer era." D. Mel'nikov. Nov. vrem. 21 no. 51:4-7 D '63.

GERMANY, WEST—EDUCATION

Schools in the vise of reaction. A. Blank. Nar. obr. no. 9:120-122 S '63.

GERMANY, WEST—EXECUTIVES

Knights of success. L. Rovinskii. Nov. vrem. 21 no. 52:18-19 D '63.

GERMANY, WEST—FOREIGN ECONOMIC RELATIONS—UNDERDEVELOPED AREAS

Bonn's colonial aspirations. D. Beneslavskii. Mezhdunar. zhizn' 10 no. 11 133-134 N '63.

What is the neocolonialism of the Bonn monopolists. N. Arkad'ev. Polit. samoobr. 7 no. 8:61-64 Ag '63.

GERMANY, WEST—FOREIGN RELATIONS

The "parting" in Bonn. L. Kait. Mezhdunar. zhizn' 10 no. 11:110-111 N '63.

Some results of the "Adenauer era." D. Mel'nikov. Nov. vrem. 21 no. 51:4-7 D '63.

GERMANY, WEST—FOREIGN RELATIONS—GERMANY, EAST

A dialogue across the border. A. Zholkver. Nov. vrem. 21 no. 52:16-17 D '63.

GERMANY, WEST—LANDLORD AND TENANT

Manners of the "free world". Landlords are robbers. V. Rozen. Nov. vrem. 21 no. 15:21 N '63.

GERMANY, WEST—MILITARISM

Notorious revanche plotter. Oleksa Nosenko. Ukraina no. 12:26 Je '62.

The real nature of revanchism. B. IUrinov. Nov. vrem. 21 no. 50 13-15 D '63.

GERMANY, WEST—MOTION-PICTURE PHOTOGRAPHY—DEVELOPING AND DEVELOPERS

Developing machine "Arri" (with summary in English on p. 95). V. M. Bondarchuk. Tekh. kino i telev. 7 no. 11: 71-81 N '63.

GERMANY, WEST—POLITICS AND GOVERNMENT

The "parting" in Bonn. L. Kait. Mezhdunar. zhizn' 10 no. 11:110-111 N '63.

GERMANY, WEST—RUSSIAN STUDIES

Misleading comments of a West German "expert in Soviet affairs." A. K. Ekshtein. Vop. ist. 38 no. 12: 158-160 D '63.

GERMINATION

Effect of the culture liquid of the fungus Trichoderma on the seed germination of some plants. G. Sh. Sefikov, B. A. Kishinevskii. Trudy Inst. mikrobiol. i virus AN Kazakh. SSR 7:210-221 '63.

GETAE see subdivision under Dniester Valley

GIBBERELLIN

Effect of gibberellin and other biologically active substances on potato viruses [with summary in English]. L. K. Zherebchuk. Mikrobiol. zhur. 25 no. 5 8-13 '63.

Effect of gibberellin treatment on the changes in the content of growth promoting substances in potatoes. T. A. Reingard, T. A. Palladina. Dokl. AN SSSR 153 no. 2: 481-484 N '63.

GILIAROVSKII, VLADIMIR ALEKSEEVICH, 1853-1935

Morozov, N. I. [Forty years with Giliarovskii] Sorok let s Giliarovskim. [Moskva] Moskovskii rabochii, 1963. 141 p.

GINDESHTY—SUGAR INDUSTRY

From the work practices of the Gindeshty Sugar Factory. A. A. Borisovich. Sakh. prom. 37 no. 10:35-38 O '63.

GIRLS see subdivision under Moscow

GIRDERS see Beams and girders

GISSAR VALLEY see subdivision under 'Tyumen'

GISSAR VALLEY—COTTON GROWING

Terminals for increasing labor productivity and profitableness on the cotton growing collective farms of the Gissar Valley. Z. Nasretdinov. Trudy Otd. ekon. AN Tadzh. SSR 11:71-86 '63.

GIZHDUVAN DISTRICT—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

A group of lecturers on a collective farm. M. Rakhmanberdy. Part. zhizn' [Uzb.] 6 no. 10:52-54 O '63.

GIZHDUVAN DISTRICT—COLLECTIVE FARMS

Nine leaders. N. Ubugdzhanov. Part. zhizn' [Uzb.] 6 no. 6:89-90 Je '64.

GIZHDUVAN DISTRICT—COTTON GROWING

It's a great honor to be a cotton grower. Sh. Radzhabov. Part. zhizn' [Uzb.] 5 no. 10:51-52 O '62.

GLACIAL EPOCH see subdivision under Zoya Valley

GLACIERS

(see also subdivision under Aksu Valley; Shamsi Valley)

Akademiia nauk SSSR. Mezduvedomstvennyi komitet po provedeniiu Mezhdunarodnogo geofizicheskogo goda. [Studies of glaciers and glacial regions] Issledovaniia lednikov i ledenikovykh rajonov. Moskva, Izd-vo Akad. nauk SSSR. [With summaries in English]
No. 3. 1963 235 p.

GLACIOLOGICAL RESEARCH see subdivision under Ural Mountain region

GLADILIN, ANATOLII TIKHONOVICH

On behalf of soldiers. A. Khorev. Sov. voin 45 no. 12: 30-31 Je '63.

GLASS

Crystallization of perlite-based glass. P. P. Budnikov, N. P. Azarov, T. N. Kemblinskiy. Ukr. khim. zhur. 29 no. 11:1215-1219 '63.

GLASS—ANALYSIS

Polymeric structure of inorganic glass. A. V. Gladkov. Trudy MKHTI no. 37:58-63 '62.

GLASS—DEFECTS

Recording device for determining the optical distortions of a flat sheet glass. V. A. Zheleztsov, N. F. Barsukova. Zav. lab. 29 no. 10:1263 '63.

GLASS—TESTING

Effect of the chemical stability of glass on its microhardness. M. A. Matveev, I. N. Semenov. Trudy MKHTI no. 37:71-74 '62.

Poisson ratio of silicate glasses. E. F. Pichugin, E. A. Karabutova. Trudy MKHTI no. 37:64-70 '62.

GLASS, OPTICAL

Bardin, A. N. [Technology of optical glass manufacture] Tekhnologiia opticheskogo stekla. Izd. 3., perer. i dop. Moskva, Vysshaia shkola, 1963. 518 p.

GLASS CONTAINERS—TESTING

Electronic apparatus for automatic inspection and sorting of defective glass containers. A. IA. Vainberg, L. P. Brusilovskii, V. I. Bolianov. Trudy VNIMI [Mol.] no. 22:68-71 '62.

GLASS ELECTRODES see Electrodes, Glass

GLASS FURNACES

Effect of temperature on the intensity of glassmaking. D. B. Glinzburg, E. A. Khazan. Trudy MKHTI no. 37: 106-111 '62.

GLASS MANUFACTURE
(see also subdivision under Mologa Valley)

[Handbook on glass manufacture] Spravochnik po proizvodstvu stekla. [By A. I. Berezhnoi i dr.] Pod red. I. I. Kitaigorodskogo i S. I. Sil'vestrovicha. Moskva, Gosstroiizdat,
Vol. 2. 1963. 815 p.

Research conducted by the Department of Glass Technology; report of the Scientific Technological Conference devoted to the 40th anniversary of the Moscow Institute of Chemical Technology. I. I. Kitaigorodskii. Trudy MKHTI no. 37:5-10 '62.

GLASS MANUFACTURE—CHEMISTRY

Glass crystallization in the system SiO_2 - Al_2O_3 - MgO - R_2O in the presence of additives. S. I. Sil'vestrovich, E. M. Rabinovich. Trudy MKHTI no. 37:75-84 '62.

Opal glass opacified by TiO_2 and ZrO_2. S. I. Sil'vestrovich. Trudy MKHTI no. 37:85-90 '62.

Thermal polymerization and depolymerization of glass-like arsenic trisulfide. V. V. Tarasov, V. A. Ratobyl'skaia. Trudy MKHTI no. 37:99-105 '62.

GLASS MANUFACTURE—EQUIPMENT AND SUPPLIES

Investigating the wetting by molten glass of the spinneriette plate material. E. F. Pichugin, E. A. Karabutova. Trudy MKHTI no. 37 111-119 '62.

GLASS REINFORCED PLASTICS

Effect of thermochemical treatment of glass fibers on creep of polyester glass reinforced plastics in the air and in sea water. V. A. Bershtein, L. A. Glikman. Plast. massy no. 11:36-41 '63.

Furfurole binder FN and glass reinforced plastics based on it. B. A. Kiselev, V. N. Bruevich. Plast. massy no. 11:41-46 '63.

GLASS REINFORCED PLASTICS—MOLDING

Investigation of the process of compression molding of parts made of glass plastics. IU. M. Tarnopol'skii, G. G. Portnov. Plast. massy no. 11:19-23 '63.

GLASS REINFORCED PLASTICS—TESTING

Effect of the type of the stressed state on the time dependence of the strength of polyester glass reinforced plastics. V. A. Bershtein, L. A. Glikman. Zav. lab. 29 no. 10:1230-1235 '63.

Technique of determining the stress-rupture strength and creep of glass plastics in a corrosive medium. A. A. Shevchenko. Zav. lab. 29 no. 10 1249 '63.

GLASSWARE see subdivision under Czechoslovakia, Turov (White Russia)

GLAZAROVÁ, JARMILA, pseud.

Structure of narration in novels by Jarmila Glazarová. R. R. Kuznetsova. Slav. filol. [Mosk. un.] no. 4:187-227 '63.

GLIDING AND SOARING

The wings of a glider Viktor Honcharenko. Ukraina no. 16:27-28 Ag '62.

GLOBULIN

Comparative evaluation of the results of an antiglobulin test in a classic arrangement and its modifications with a prepared antigen. N. A. Novosad. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4:44-49 '60.

GLOWACKI, ALEKSANDER, 1847-1912

"Pharaoh" by Boleslaw Prus. P. P. Verbyts'kyi. Mizhslov. lit. vzaiem. no. 3:213-244 '63.

GLUCONIC ACID

Studying the conditions of the formation of idonate and gluconate [with summary in English]. R. M. Alieva. Vest. LGU 18 no. 21:148-151 '63.

GLUCOSE

Composition of semifinished products obtained in the preparation of crystalline glucose from wood [with summary in English on p. 165]. L. E. Emel'ianov, N. V. Lebedev, K. P. Vakhrusheva. Sbor. trud. NIIGS 11:66-72 '63.

Investigating the hydrolysis of starch-containing raw materials by means of enzymes in the manufacture of glucose products. G. V. Gaikina. Trudy TSNIIKPP no. 6:48-62 '63.

Testing of domestic ion exchange resins in the purification of glucose sirups. E. K. Sidorova. Trudy TSNIIKPP no. 6:13-25 '63.

GLUCOSE CRYSTALS

Higher yields of crystalline glucose during the degradation of a double compound of glucose and sodium chloride [with summary in English on p. 165]. N. V. Lebedev, A. A. Bannikova. Sbor. trud. NIIGS 11:58-65 '63.

GLUING

Strengthening and restoring the rigidity of couplings in agricultural machines by gluing. M. E. Krichevskii. Sbor. rab. GOSNITI no. 16,46-53 [61].

GLUKHOV, IAKOV MOISEEVICH, 1897-1963

In memory of IAkov Moiseevich Glukhov; an obituary. Svar. proizv. no. 6:48 Je '63.

GLUSHETS, BATTLE OF, 1943

Battle for the bridgehead at the village of Glushets. I. Anokhin. Voen.-ist. zhur. 5 no. 11:63-64 N '63.

GLUTAMIC ACID

Glutamic acid. V. F. Dmitriev. Izv. ISKHI no. 14:89-89 '59.

GLUTAMIC-OXALACETIC TRANSAMINASE

Activity of glutamic-oxalacetic transaminase in injuries of the myocardium. V. S. Larina. Vrach. delo no. 11: 126-127 N '63.

GLUTARIMIDE

Side effects of noxiron. K. P. Vlasov, V. V. Val'. Klin. med. 40 no. 11:136-131 N '62.

GLUTEN

Methods of determining the yield of gluten. Trudy VNIIZ no. 43:5-16 '63.

GLYCERIDES

Polymorphic transformations of the individual components of the oil base of margarine. N. I. Kozin, E. N. Makarenko. Masl.-zhir. prom. 29 no. 10:11-14 O '63.

Polymorphism of certain triglycerides of higher fatty acids and of natural mixtures of triglycerides [with summary in English]. V. M. Vergelesov, A. P. Belousov. Zhur. fiz. khim. 37 no. 9:1995-2000 S '63.

Use of acetoglycerides in various branches of the oils and fats industry. V. A. Mazurkevich. Masl.-zhir. prom. 29 no. 10 41-42 O '63.

GLYCOGEN

Changes in the glycogen content within the epithelium of the mucous membrane of the oral cavity in the process of regeneration. V. V. Gemonov. Teor. i prak. stom. no. 5 60-65 '61.

Glycogen content in epithelium of the gum in a healthy state and in pathology. V. V. Zhulina. Teor. i prak. stom. no. 5:150-156 '61.

Glycogen fraction metabolism in the brain and liver of rats of various ages [with summary in English]. N. I. Brodskaia. Vest. LGU 18 no. 21 57-64 '63.

Glycogen in the epithelium of the oral cavity in man and animals and its importance. L. I. Falin. Teor. i prak. stom. no. 5 47-59 '61.

GLYCOLS

Effect of polyethylene glycols on the sensitivity of photographic emulsions. A. M. Churaeva, A. I. Rybnikova. Trudy NIKFI no. 51:10-13 '62.

GNILOY TIKICH VALLEY—MINES AND MINERAL RESOURCES

Treasures of an ancient valley. Ivan Padalka. Ukraina no. 17:9 S '62.

GOAT GRASS see subdivision under Azerbaijan

GOBANG

Lasker trio plays the go game. A. Nartsevich. Tekh. mol. 31 no. 11 15 '63.

GODENKO, MIKHAIL

M. Godenko's book of verse "Best hands." Igor' Mikhailov. Zvezda no. 5:210-211 My '62.

GODIN, IURII NIKOLAEVICH, 1913-1962

In memory of the eminent scientist IUrii Nikolaevich Godin. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1 3-9 '62.

GOGOL', NIKOLAI VASIL'EVICH, 1809-1852

Dokusov, A. M. [N. V. Gogol's dramaturgy] Dramaturgiia N. V. Gogolia, lektsii. Leningrad, Leningradskii gos. pedagog. in-t, 1962. 46 p
(MH)

Periodic sentences in the epic "Dead souls" by N. V. Gogol'. M. A. Pustynnikova. Uch. zap. Petrozav. gos. un. 7 no. 1 225-246 '58.

GOITER

Baksheev, N. S. [Endemic goiter and pregnancy] Endemicheskii zob i beremennost', kliniko-eksperimental'noe issledovanie. Kiev, Gosmedizdat USSR, 1963
123 p. (Bibliotechka prakticheskogo vracha)
(DNLM)

Clinical and roentgenological characteristics of metastases of colloidal goiter into osseous tissue. A. A. Bazhenova. Vop. klin. pat. no. 2:173-180 '61.

Clinical aspects and surgical treatment of endemic goiter [with summary in English]. E. P. Mukhin. Vest. khir. 91 no. 7:13-16 Jl '63.

Removal of an unusually large goiter. IU. S. Gilevich. Vest. khir. 90 no. 6:116-117 Je '63.

State of the motor analyser and the orthostatic reflex in the hyperthyroid form of goiter. N. L. Riskin. Eksp. issl. po fiziol., biokhim. i farm. no. 3:107-117 '61.

Surgical treatment of goiter. M. M. Gazymov. Kaz. med. zhur. no. 5 48-49 S-O '63.

GOLD-GERMANIUM ALLOYS see Germanium-gold alloys

GOLD ISOTOPES—THERAPEUTIC USE

Use of radioactive colloidal gold in carcinomatosis of the pleura and peritoneum [with summary in English]. I. IA. Chupin. Vop. onk. 9 no. 7 56-62 '63.

GOLODNAYA STEPPE—AGRICULTURE

Today and tomorrow of the Golodnaya Steppe. D. Tersitskii. Part. zhizn' [Uzb.] 6 no. 6:38-44 Je '63.

GOLODNAYA STEPPE—COTTON GROWING

There is the cotton of Mirzachul', dear motherland! S. Mamtkulov. Part. zhizn' [Uzb.] 5 no. 10 48-50 O '62.

GOLODNAYA STEPPE—ECONOMIC CONDITIONS

Where the Golodnaya Steppe was. Kul't. i zhizn' 7 no. 11:27-31 '63.

GOLODNAYA STEPPE—IRRIGATION

Efforts of the party organization of Uzbekistan to irrigate and reclaim the Golodnaya Steppe, 1956-1961. S. Sh. Kurbanov. Vest. Mosk. un. Ser. 9. Ist. 18 no. 5:3-19 S-O '63.

GOLODNAYA STEPPE (NORTHERN) see Bet-Pak-Dala

GOLOVIN, IVAN GAVRILOVICH, 1816-1890

I. G. Golovin, a champion against autocracy and serfdom, T. M. Koloskov. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 6:97-100 N-D '63.

GOLOVIN, MIKHAIL EVSEEVICH, 1756-1790

Brief news. V. G. Razumovskii, E. M. Braverman, I. V. Popov. Fiz. v shkole 23 no. 3:110-112 My-Je '63.

GOMEL'—AERONAUTICS, COMMERCIAL

We cannot cooperate with you. V. Gol'tsov. Grazhd. av. 20 no. 10:29 O '63.

GOMEL'—AGRICULTURAL MACHINERY—STUDY AND TEACHING

Technological innovations, advanced practices and skill go from schools to farms. IU. Al'perovich. Sel'. mekh. no. 10 29-31 O '63.

GOMEL'—SANITATION—CONGRESSES

Conference dedicated to the 10th anniversary of the organization of sanitary service in Gomel' E. M. Shpilevskii. Zdrav Bel 9 no. 3 91-92 Mr '63.

GOMEL' DISTRICT—WOMEN IN AGRICULTURE

Women. N. Vasil'eva. Rab. i stial. 39 no. 10, 2-3 O '63.

GOMEL' GOVERNMENT—ECONOMIC CONDITIONS

White Russia. Arkhivnoe upravlenie. [Reconstruction of the economy of the Gomel' Government, 1921-1925] Vosstanovlenie narodnogo khoziaistva Gomel'skoi gubernii, 1921-1925 gg., sbornik dokumentov i materialov. Gomel', 1960. 680 p.
(MH)

GOMEL' GOVERNMENT—HISTORY

White Russia. Arkhivnoe upravlenie. [Reconstruction of the economy of the Gomel' Government, 1921-1925] Vosstanovlenie narodnogo khoziaistva Gomel'skoi gubernii, 1921-1925 gg., sbornik dokumentov i materialov. Gomel', 1960. 680 p.
(MH)

GONADOTROPIN

Biological determination of hypophyseal luteinizing gonadotropin in human embryogenesis. S. E. Levina, E. A. Ivanova. Dokl. AN SSSR 153 no. 2, 493-496 N '63.

Mesiatsev, A. S. [Promoting multiparity in sheep] Povyshenie mnogoplodiia ovets. Moskva, Sel'khozizdat, 1963. 95 p.
(DNAL)

GONCHAROV, IVAN ALEKSANDROVICH, 1812-1891

Zakharkin, A. F. [I. A. Goncharov's novel "Oblomov"] Roman I. A. Goncharova "Oblomov." Moskva, Uchpedgiz, 1963. 151 p.

GONIOMETERS

Attachment to the GUR-3 X-ray goniometer for operation in the regime of a biprism spectrometer. V. T. TSygan, V. G. Fomin, M. A. Gurovich. Zav. lab. 29 no. 11:1383-1384 '63.

GONIOMETRY

Practical use of the self-collimation method in measuring small angles and angular deviations. G. I. Strakun. Izm. tekh. no. 12:5-7 D '63.

Present status and objectives of metrology in the field of linear and angular measurements. L. K. Kaiak. Izm. tekh. no. 11:1-5 N '63.

GONORRHEA

Some data characterizing patients with gonorrhea. D. N. Plishkin. Vest. derm. i ven. 37 no. 7:73-74 Jl '63.

GORBACHEVSKII, IVAN IVANOVICH, 1800-1869

Gorbachevskii, I. I. [Notes. Letters] Zapiski. Pis'ma. Izd. podg. B. E. Syroechkovskii, L. A. Sokol'skii, I. V. Porokh. Moskva, Izd-vo Akad. nauk SSSR. 1963. 352 p. (Literaturnye pamiatniki)

GOR'KII, MAKSIM, 1868-1936

About Gor'kii. About Materkhol'd. IUrii German. Zvezda no. 5:162-171 My '62.

Materials on Orekhovo-Zuevo in M. Gorkii's novel "The Artamonovs' business." S. L. Gol'din. Uch. zap. Orekh. Zuev. ped. inst. 20 no. 3:127-138 '63.

Synonyms in the tale "Mother" by A. M. Gor'kii. M. IA. Krivonkina. Uch. zap. Petrozav. gos. un. 7 no. 1:209-224 '58.

GORKIY—MACHINE-TOOL INDUSTRY

Machine-tool industry workers in Gorkiy fulfill their pledge. P. Zhdankin. Mashinostroitel' no. 10:38-39 O '63.

GORKIY—PETROLEUM REFINERIES

Keeping pace with our time. M. Ures, A. Blagin. NTO 5 no. 11:46-48 N '63.

GORKIY—TELEVISION

Tenth anniversary of television broadcasting in Gorkiy. Tekh. kino i telev. 7 no. 10:91-92 O '63.

GORKIY PROVINCE—AGRICULTURAL EXPERIMENT STATIONS

For creative use of the balance sheet accounting method. V. A. Kashin. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10, 28-29 O '63.

GORKIY PROVINCE—ELECTRIC LINES—OVERHEAD

The work of linemen should be mechanized. A. A. Kamskii. Vest. sviazi 22 no. 11, 24 N '62.

GORKIY PROVINCE—FOLK DRAMA—HISTORY AND CRITICISM

Late stage of the history of Russian folk drama (with summary in English). N. N. Veletskaia. Sov. etn. no. 5:20-31 S-O '63.

GORKIY PROVINCE—LIBRARIES AND READERS

Mikhailov, K. N. [A book for every family; work experiences of libraries in the Krasnyye Baki and Vetluga Districts of Gorkiy Province] Knigu - v kazhduiu sem'iu; opyt raboty bibliotek Krasno-Bakovskogo i Vetluzhnogo rajonov Gor'kovskoi oblasti. Moskva, Sovetskaia Rossiia, 1958. 76 p.
(NJR)

GORLOVKA—CHEMICAL INDUSTRIES

To full capacity. E. Khristoliubova, A. Kondratenko. Agitator no. 22 33-35 N '63.

GORLOVKA—CONSERVATORIES OF MUSIC

Here they reveal their talents and hearts.... L. Gerasimova. Smena 40 no. 12:27-29 Je '63.

GORLOVKA (DONETS PROVINCE)—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Borodai, V. E. [Propaganda areas] Agitploshchadka. [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 21 p.

GORODISHCHE DISTRICT (VOLGOGRAD PROVINCE)—WATER, UNDERGROUND

Characteristics of ground and flood waters in Gorodishche District of Stalingrad Province. V. T. Dodolina. Dokl. TSKHA no. 47 235-240 '59.

GORODOVIKOVSKIY DISTRICT—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

Purposefulness. V. Tolstov. Part. zhizn' no. 1:36-40 Ja '64.

GOSSYPOL

Dynamics of gossypol extraction. A. L. Markman and others. Masl.-zhir. prom. 29 no. 11:13-15 N '63.

New methods for the extraction of gossypol. A. L. Markman, M. D. Makhadaminov. Masl.-zhir. prom. 29 no. 10, 8-8 O '63.

GOTLAND—ANTIQUITIES

"Buried treasure from Gotland of the Viking period" (in Swedish) by M. Stenberger. Reviewed by E. IU. Tenisson. Sov. arkheol. 7 no. 4:278-282 '63.

GOVERNMENT OWNERSHIP

Sukhin, V. A., and N. A. Khvorostovskii. [Principles governing the origin of public property] Zakonomernosti vozniknovenia obshchenarodnoi sobstvennosti. [Leningrad] Lenizdat, 1962. 222 p.
(MH)

GRADERS (EARTHMOVING MACHINERY)

Traction coupling properties of power graders. B. V. Goriachko. Stroi. i dor. mash. 8 no. 11:9-10 N '63.

GRADING (EARTHWORK)

Main work results of the Brilevka Experiment Station in studying the effect of soil leveling methods on the fertility of Chestnut soils. V. P. Skrypnykov. Nauk. pratsi Bryl. dosl. sta. po zrosh. no. 1:72-80 '61.

GRADING AND MARKING (STUDENTS)

Measurement and evaluation of student knowledge in evening (staggered) schools. F. V. Kostyiev. Sov. pedag. 27 no. 10:129-136 O '63.

GRAFFITI see subdivision under Kiev

GRAFTING

Growing grapevine seedlings between leaved-rootstock and foliar mentors. P. K. Aivazian. Izv. AN Arm. SSR, Biol. nauki 16 no. 10:28-40 O '63.

GRAIN see subdivision under Ural'sk Province

GRAIN—CLEANING

Investigating profiled-plate heap cleaners. A. A. Vainberg. Trudy Od. tekh. inst. 14:81-86 '62.

Pneumatic columnar grain cleaner. T. Orakova, K. Pugacheva. Tekh. v sel'khoz. 23 no. 10:39-42 O '63.

Using ultrasonic techniques for the intensification of grain washing. N. B. Georgi. Trudy Od. tekh. inst. 14:75-79 '62.

GRAIN—DRYING

Investigating the aerodynamics of a layer of grain by the method of electrical analogies. P. N. Platonov, IU. N. Mitrofanov. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:139-142 '63.

Using liquid fuel as thermal source for grain dryers. Sbor. rab. GOSNITI no. 16, 11-19 [61].

The ZhZS-22 grain drying unit. I. Kashcheev. Tekh. v sel'khoz. 23 no. 9:60-62 S '63.

GRAIN—HARVESTING
(see also subdivision under Czechoslovakia)

Conveyor-type pickers. V. Bel'skii, K. Shkanbatiuk. Tekh. v sel'khoz. 23 no. 9, 79-81 S '63.

Economic effectiveness of wide-range reapers. I. Pekrt. Tekh. v sel'khoz 23 no. 10, 14-17 O '63.

GRAIN—STORAGE

Effect of chloropicrin and dichloroethane on the microflora of grain. O. P. Pod'iapol'skaia. Trudy VNIIZ no. 43 69-93 '63.

Every spike should be in the bins of our country. A. Ebrov. NTO 5 no. 11:16-17 N '63.

GRAIN ELEVATORS see subdivision under Virgin Territory

GRAIN ELEVATORS—ACCOUNTING see subdivision under Odessa Province

GRAIN-HANDLING MACHINERY

Mechanized grain cleaning and drying floor. V. Shavenko. Tekh. v sel'khoz. 23 no. 9, 82-83 S '63.

Stop the losses of grain! A review of letters received by the editor. Agitator no. 22 40-41 N '63.

GRAIN-MILLING MACHINERY

Investigating destruction forces of grain subjected to impact loading. V. P. Malakhovtsev. Trudy Od. tekh. inst. 14:103-108 '62.

GRAIN PRODUCTS see Cereal products

GRAIN TRADE—ACCOUNTING

Riabkov, A. V. [Accounting and the credit system of grain-receiving organizations] Kreditovanie i raschety khlebopriemnykh organizatsii. Moskva, Izd-vo tekhn. i ekon. lit-ry po voprosam khleboproduktov, 1960. 41 p.
(NcD)

GRAMMAR, COMPARATIVE AND GENERAL—SENTENCES

Meshchaninov, I. I. [Structure of the sentence] Struktura predlozheniia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 103 p.

GRANARIES—FIRES AND FIRE PREVENTION

Grain is our wealth. Pozh. delo 9 no. 10:1-2 O '63.

GRANOVSKII, TIMOFEI NIKOLAEVICH, 1813-1855

Minaeva, N. V. [Granovskii in Moscow] Granovskii v Moskve. [Moskva] Moskovskii rabochii, 1963. 190 p.

GRANULAR MATERIALS

Effect of the thermophysical properties of gases on their heat transfer in the presence of granular materials. A. M. Kagan, I. I. Gel'perin. Khim. prom. no. 8:620-622 Ag '63.

Generalized regularity of the hydraulics of a fixed granular bed. G. M. Mikhailov, A. M. Nikolaev. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:861-864 '63.

Stressed state of a loose medium enclosed in vertical walls. A. P. Kovtun. Trudy Od. tekh. inst. 14:65-74 '62.

GRAPE JUICE

Use of pectolytic enzymes in the processing of grape pulp. S. Brad. Kons. i ov. prom. 18 no. 11:42-43 N '63.

GRAPEFRUIT—WATER REQUIREMENTS

Change in the physiological activity of grapefruit as related to soil moisture. V. A. Mirimanian. Izv. AN Arm. SSR. Biol. nauki 16 no. 10:51-58 O '63.

GRAPES

Growing grapevine seedlings between leaved-rootstock and foliar mentors. P. K. Aivazian. Izv. AN Arm SSR, Biol. nauki 16 no. 10:28-40 O '63.

Kafka, B. V., G. A. Lindova, and R. D. Normanova. ["Eno" coloring matter and its use for coloring confectionery products] Enokrasitel' i ego primenenie pri okrashivanii konditerskikh izdelii. Moskva, Pishchepromizdat, 1963. 31 p.

GRAPHIC ARTS

Black and white. V. Simakov. Sov. Soiuz no. 11:38-41 '63.

Limits of painting and graphic arts. V. Maletin. Vop. est. no. 5:28-42 '62.

GRAPHIC METHODS

Graphic analysis of the pvt-relations of certain liquid alkanes of normal structure. N. K. Kadyrov, A. D. IUsibova, A. B. Gabibov. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekh. nauk no. 4:85-97 '63.

Graphic method for determining the molar coefficients of extinction. I. IA. Bershtein, IU. L. Kaminskii. Opt. i spektr. 15 no. 5:705-708 N '63.

GRAPHITE

Amorphous state of natural graphite powders, A. S. Falkov and others. Dokl. AN SSSR 153 no. 2 393-393 N '63.

Technical requirements in regard to the fillers for the production of graphite pencils. A. S. Antonova. Trudy VIKM no. 55-110-112 '63.

Zhezherun, I. F., and E. N. Koroley. [Temperature effect on the diffusion length and scattering cross section of thermal neutrons in graphite] Vliianie temperatury na diffuzionnuiu dlinu i secheniie rasseianiia teplovykh neitronov v grafite. Moskva, In-t atomnoi energii im. I. V. Kurchatova, 1960. 11 p.

GRAPHITE—GALVANOMAGNETIC PROPERTIES

Dependence of galvanomagnetic effects in graphite on temperature and pressure. A. I. Likhter, V. V. Kechin. *Fiz. tver. tela* 5 no. 11:3068-3071 N '63.

GRAPTOLITES see subdivision under Volyn' Province

GRASSES see subdivision under Klyaz'ma Valley; Moskva Valley

GRAUDINS, KARLS, 1911-1963

Karl Martynovich Graudins; obituary. Izv. AN Latv. SSR no. 9:137-138 '63.

GRAVE, DMITRII ALEKSANDROVICH, 1863-1939

Dmitrii Aleksandrovich Grave; on the 100th anniversary of his birth. K. A. Breus. Ukr. mat. zhur. 15 no. 3: 235-238 '63.

GRAVEL see subdivision under Ukraine

GRAVIMETRY

Balabushevich, L. A. [Higher derivatives of the gravitational potential and their applicability in geological gravimetry] Vysshie proizvodnye potentsiala sily tiazhesti i vozmozhnosti ikh ispol'zovaniia v geologicheskoi gravimetrii. Kiev, Izd-vo Akad. nauk USSR, 1963. 266 p.

GRAVITATION

Conformal groups of transformations in gravitational fields. R. F. Bilialov. Dokl. AN SSSR 152 no. 3 570-572 S '63.

Distribution of the singular points of the gravitational field for a certain class of two-dimensional bodies. G. IA. Galiardia. Izv. AN SSSR, Ser. geofiz. no. 11:1701-1708 N '63.

GRAVITY

Determining the external gravitational field and the figure of the earth. V. V. Brovar and others. Geod. i kart. no. 10:74-76 O '63.

Effect of viscosity on the phase of earth tides. M. S. Molodenskii. Izv. AN SSSR, Ser. geofiz. no. 10:1460-1462 O '63.

GRAVITY—PHYSIOLOGICAL EFFECT

Histochemical and ultrastructural changes in the receptor cells of the utricle in a changed gravitational field. IA. A. Vinnikov and others. Dokl. AN SSSR 153 no. 2: 456-463 N '63.

GRAVITY PROSPECTING

Balabushevich, L. A. [Higher derivatives of the gravitational potential and their applicability in geological gravimetry] Vysshie proizvodnye potentsiala sily tiazhesti i vozmozhnosti ikh ispol'zovaniia v geologicheskoi gravimetrii. Kiev, Izd-vo Akad. nauk USSR, 1963. 266 p.

GRAVITY WAVES

Propagation of long gravity waves in the sea covered with pancake ice. D. E. Kheisin. Probl. Arkt. i Antark. no. 14:61-66 '63.

GREARSON HILLS, ANTARCTICA—MAGNETISM, TERRESTRIAL

Brief geological and geophysical characterization of the Grearson Oasis on the Budd Coast of eastern Antarctica. P. S. Voronov, A. M. Karnaik. Inform. biul. Sov. antark. eksp. no. 42:5-12 '63.

GREAT BRITAIN—FEUDALISM

"Studies on the history of English feudalism from the 11th through the 13th century" by M. A. Barg. Reviewed by A. IA. Gurevich. Vop. ist. 38 no. 11:153-157 N '63.

GREAT BRITAIN—FOREIGN RELATIONS

The "grey giant." Vl. Peshkov. Nov. vrem. 21 no. 48: 13-15 N '63.

Monopolies and the foreign policy of Great Britain. V. Petrov. Mezhdunar. zhizn' 10 no. 11:130-131 N '63.

GREAT BRITAIN—FOREIGN RELATIONS—AFRICA

Africa and the British Commonwealth. A. M. Khazanov. Vop. ist. 38 no. 12:170-180 D '63.

GREAT BRITAIN—FOREIGN RELATIONS—GERMANY

An evaluation of the Anglo-German Agreement of 1890. N. A. Efofeev. Vop. ist. 38 no. 12:186 D '63.

GREAT BRITAIN—FOREIGN RELATIONS—RUSSIA

Anglo-Soviet relations on the eve of the Great Patriotic War [with summary in English, pp. 220-221]. V. G. Trukhanovskii. Vop. ist. 38 no. 12:52-70 D '63.

From the history of Anglo-Russian relations in the middle East during the initial period of the Anglo-Boer War. A. L. Vilukhnovskii. Uch. zap. Petrozav. gos. un. 7 no. 1:115-130 '58.

GREAT BRITAIN—*HISTORY*

Futile efforts to reevaluate *the role of the* Committee of Imperial Defense in Great Britain. K. B. Vinogradov. Vop. ist. 38 no. 12:182-184 D '63.

GREAT BRITAIN—LABOR AND LABORING CLASSES

Peschanskii, V. V. [Contemporary workers' movement in England] Sovremennoe rabochee dvizhenie v Anglii. Moskva, Sotsekgiz, 1963. 383 p.

GREAT BRITAIN—LABOR PARTY

Emergence of left-wing socialist organizations within the English Labor Party in the early phase of the general crisis of capitalism. E. N. Leone. Vest. Mosk. un. Ser. 9: Ist. no. 5, 61-79 S-O '63.

English labor movement and introduction of the National Service, January 1939. N. F. Mochul'skii. Vest. Mosk. un. Ser. 9: Ist. 18 no. 5:36-63 S-O '63.

GREAT BRITAIN—MILITARY SERVICE, COMPULSORY

English labor movement and introduction of the National Service, January 1939. N. F. Mochul'skii. Vest. Mosk. un. Ser. 9: Ist. 18 no. 5:36-63 S-O '63.

GREAT BRITAIN—MOTORTRUCKS

British motortruck at the London exhibition. IU. V. Naumov. Avt. prom. 29 no. 11:48 N '63.

GREAT BRITAIN—MUNITIONS

The "grey giant." Vl. Peshkov. Nov. vrem. 21 no. 48: 13-15 N '63.

GREAT BRITAIN—NURSES AND NURSING

Nurses' problems in the U. S. A. and England A. M Tsyn. Med. sestra 22 no. 11:59-60 N '63

GREAT BRITAIN—POLITICS AND GOVERNMENT

For your notebook: In the service of monopolies. Agitator no. 22:60-62 N '63.

GREAT BRITAIN—PRIVATE SCHOOLS

Training "elite" in the privileged boarding schools of England. I. B. Martsinkovskii. Sov. pedag. 27 no. 10: 84-93 O '63.

GREAT BRITAIN—RUSSIAN LANGUAGE—STUDY AND TEACHING

Russian language in England. Pat Sloan. Kult. i zhizn' 7 no. 11:40-41 '63.

GREAT BRITAIN—SHIPBUILDING

British-built ship. Sudostroenie 29 no. 11:73 N '63.

GREAT BRITAIN—SOCCER

Kings tried to suppress soccer. IU. Kolesnychenko. Ukraina no. 16:32 Ag '62.

GREAT BRITAIN—TRUSTS, INDUSTRIAL

Monopolies and the foreign policy of Great Britain. V. Petrov. Mezhdunar. zhizn' 10 no. 11 130-131 N '63.

GREAT BRITAIN—YOUTH

Tomorrow you will be a man. Renée Short. Zhen. mira no. 11:15-16 '61.

GREECE—ARMY

Units and small units of the Greek army. A. Ryzhkov. Voen. vest. 43 no. 10:118-123 O '63.

GREECE—POLITICAL PRISONERS

In Greek prisons. Bolly Ambatielos. Zhen. mira no. 12: 27-28 '61.

GREECE—POLITICS AND GOVERNMENT

A new political situation in Greece. Z. Mirskii. Nov. vrem. 21 no. 50:20-21 D '63.

With the old luggage. V. Kondrat'ev. Mezhdunar. zhizn' 10 no. 11:113-115 N '63.

GREECE—RELATIONS (GENERAL) WITH RUSSIA

"Russia and Greece during the regency of King Otho, 1832-1835" [in English] by B. Jelavich. Reviewed by G. L. Arsh. Vop. ist. 38 no. 11:168-170 N '63.

GREECE—SLAVERY

Lentsman, IA. A. [Slavery in Mycenaean and Homeric Greece] Rabstvo v mikenskoi i gomerovskoi Gretsii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 303 p. (Issledovaniia po istorii rabstva v antichnom mire).

GREENE, GRAHAM, 1904-

Phantoms; the bourgeois world in novels by Graham Greene. P. Pallevskii. Nov. mir 38 no. 6:229-243 Je '62.

GREEN'S FUNCTIONS

"Methods of Green's functions in statistical mechanics" by V. L. Bonch-Bruevich, S. V. Tiablikov. Reviewed by S. V. Vonsovskii, IU. A. Iziumov. Usp. fiz. nauk 81 no. 2:403-405 O '63.

GRINDING AND POLISHING

Diamond wheels for grinding hard-alloy tools. V. N. Bakul', I. P. Zakharenko. Mashinostroitel' no. 10 15-16 O '63.

Effect of grinding conditions on the strength of metal-cutting tools. M. Z. Zavialov. Trudy GPI 17 no. 4 5-14 '61.

Errors in the median method of control and readjustment in centerless grinding of conic rollers. L. A. Boguslavskii, S. S. Volosov. Izm. tekh. no. 10 13-16 O '63.

Grinding disk cams operating with a roller-type follower. I. A. Koganov, G. M. Sheinin. Stan. i instr. 34 no. 11: 27-28 N '63.

Honing cast-iron bushings for depth pumps. N. K. Mamedkhanov. Za tekh. prog. 3 no. 10 20-21 O '63.

IAshcheritsyn, P. I., and E. A. Zhalnerovich. [Metal grinding] Shlifovanie metallov. Minsk, Izd-vo "Belarus'," 1963. 355 p.

Karatygin, A. M., and B. S. Korshunov. [Grinding and lapping metal-cutting tools] Zatochka i dovodka rezhushchego instrumenta. Izd. 2., perer. i dop. Moskva, Mashgiz, 1963. 270 p.

Lapping metal-cutting tools equipped with TSM-332 bits with a diamond wheel for turning 60Kh3G8N8B nonmagnetic steel. S. P. Danilenko, M. D. Uzungikolan. Mashinostroenie no. 5:20-22 S-O '63.

Microfinish. Mashinostroitel' no. 10:46 O '63.

GRINDING MACHINES

Groove-grinding machine for the races of single-ball thrust bearings. V. A. Podkopaev. Bum. prom. 38 no. 11:25-26 N '63.

GRINDING MACHINES—ATTACHMENTS

Device for precise adjustment of broaches in grinding. IU. I. Medvedkin, L. S. IAblonovskii. Mashinostroenie no. 5:35 S-O '63.

GRINDING WHEELS

New data on the manufacture of early Russian millstones. G. G. Mezentseva. Sov. arkheol. 7 no. 4:224-227 '63.

[illegible]

i raskhoda abrazivnogo instrumenta. Moskva, Mashgiz, 1963. 42 p.

GRIPPE see Influenza

GRISEOFULVIN

Griseofulvin excretion from the body of patients with dermatomycoses (with summary in English). N. M. Ivanov. Vest. derm. i ven. 37 no. 7:41-44 Jl '63.

Griseofulvin in the compound treatment of onychomycosis [with summary in English]. R. A. Chalimova. Vest. derm. i ven. 37 no. 7:36-41 Jl '63.

GRISHAEV, VASILII NIKITICH

Tale of courage. N. Shevtsov. Sov. voin. 45 no. 22:33 N '63.

GROCERY TRADE see subdivision under Magnitogorsk, Troitskoye District

GRODNO—CONSTRUCTION INDUSTRY

A plant of nitrogen fertilizers today. V. Lukashenka. Belarus' 20 no. 9:2-3 S '63.

GRODNO—CONSTRUCTION WORKERS

Flowers on stones. V. Lukashenka. Rab. i sial. 39 no. 11:1-3 N '63.

GRODNO PROVINCE—AGRICULTURAL WAGES

There is need for control over the disbursement of the wage fund. M. I. Stasevich. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:45-46 O '63.

GRODNO PROVINCE—AGRICULTURAL WORKERS

The party's care of youth. A. Korolev. Part. zhizn' no. 1:43-47 Ja '64.

GROSS NATIONAL PRODUCT

Correlation between the growth of the national product and national income. A. Notkin. Vop. ekon. no. 10:3-16 O '63.

GROUND BEETLES see subdivision under Transcarpathia

GROUND-EFFECT MACHINES

Power plant capacity on air-cushion ships. A. G. Kurzon, M. A. Grechin, A. D. Mezheritskii. Sudostroenie 29 no. 10:18-22 O '63.

GROUPS, THEORY OF

Conformal groups of transformations in gravitational fields. R. F. Bilialov. Dokl. AN SSSR 152 no. 3:570-572 S '63.

GROUPS, THEORY OF (Continued)

Dynamic mapping. D. A. Suprunenko, R. I. Tyshkevich. Dokl. AN BSSR 7 no. 5:289-292 My '63.

Finite groups with invariance condition for some subgroups. L. A. Shemetkov. Sib. mat. zhur. 4 no. 5:1175-1183 S-O '63.

Periodic subgroups of algebraic groups. V. P. Platonov. Dokl. AN SSSR 153 no. 2:270-272 N '63.

Remarks on the article "Periodical groups of matrices." M. I. Kargapolov. Sib. mat. zhur. 4 no. 5:1198-1199 S-O '63.

Resolution into irreducible representations of the tensor product of two irreducible representations of a real unimodular group of the second order (case of two discrete series). B. D. Romm. Dokl. AN SSSR 153 no. 2:276-277 N '63.

Solvable algebraic groups. V. P. Platonov. Dokl. AN BSSR 7 no. 5:298-300 My '63.

Some subgroups of a projective group in four-dimensional space. E. V. Korobenok, L. K. Tutaev. Dokl. AN BSSR 7 no. 5:293-297 My '63.

Sylow p-subgroups of a denumerable symmetrical group [with summary in English]. I. D. Ivanuta. Ukr. mat. zhur. 15 no. 3:240-249 '63.

Sylow p-subgroups of orthogonal and simplex groups in hyperbolic space [with summary in English]. E. I. Chernobyl'skaia, I. K. TSikunov. Ukr. mat. zhur. 15 no. 3:290-298 '63.

Theory of generalized groups. B. M. Shain. Dokl. AN SSSR 153 no. 2:296-299 N '63.

Topological FC-groups. V. I. Ushakov. Sib. mat. zhur. 4 no. 5:1162-1174 S-O '63.

Topological similarity of automorphisms and translations of compact commutative groups. D. Z. Arov. Usp. mat. nauk. 18 no. 5:133-138 S-O '63.

Unitary representations of a Lorentz group in a π_k space. M. A. Naimark. Dokl. AN SSSR 152 no. 5:1064-1067 O '63.

Valence band structure of chalcopyrite type compounds. V. A. Chaldyshev, G. F. Karavaev. Izv. vys. ucheb. zav., fiz. no. 5:103-112 '63.

GROWTH see subdivision under Solnechnyy (Khabarovsk Territory)

GROWTH PROMOTING SUBSTANCES

Effect of gibberellin treatment on the changes in the content of growth promoting substances in potatoes. T. A. Reingard, T. A. Palladina. Dokl. AN SSSR 153 no. 2:461-464 N '63.

[Growth stimulators for farm animals] Stimulatory rosta sel'skokhoziaistvennykh zhivotnykh. [By] K. M. Solntsev i dr. Moskva, Sel'khozizdat, 1963. 290 p. (DNAL)

GROZDILOV, GRIGORII PAVLOVICH, 1905-1962

G. P. Grozdilov, obituary. Sov. arkheol. 7 no. 4:295 '63.

GROZNYY—PETROLEUM WORKERS

Engineers at school desks.... V. Zakharchenko, V. Chudnenko. Mol. komm. no. 9:76-80 S '63.

GUBKIN, IVAN MIKHAILOVICH, 1871-1939

Lapidus, M. A. [Discoverer of underground secrets] Otkryvatel' podzemnykh tain. Moskva, Izd-vo "Sovetskaia Rossiia," 1963. 382 p. (Liudi Sovetskoi Rossii)

GUDZENKO, SEMEN

Notes written by one of us. I. Vainberg. Znamia 33 no. 6:222 Je '63.

GUERRILLAS—MEDICAL CARE

Organization of medical care for members of a guerrilla formation. N. K. Maevskaia. Vrach. delo no. 11:116-119 N '63.

GUIANA—HISTORY

Pilot of colonizers. IA. Svet. Vokrug sveta no. 11:47-49 N '63.

GUIDED MISSILES

Dobrolenskii, IU. P., V. I. Ivanova, and G. S. Pospelov. [Automation of guided missiles] Avtomatika upravliaemykh snariadov. Pod red. G. S. Pospelova. Moskva, Oborongiz, 1963. 548 p.

GUILT (LAW)

Delimitation of the various forms of guilt in Soviet criminal law. K. F. Tikhonov. Izv. vys. ucheb. zav.; prav. 7 no. 3:82-89 '63.

GUINEA—ETHNOLOGY

Ethnographical studies of the change in the mode of life of African cities [with summary in English]. O. Skalnikova. Sov. etn. no. 5:60-68 S-O '63.

GUINEA—PARASITOLOGY

Control of parasitic and some other diseases in the Republic of Guinea. Kh. N. Pirumov, G. A. Guseinov. Med. paraz. i paraz. bol. 32 no. 5:606-610 S-O '63.

GULIAMOV, NASREDIN

Unyielding. IU. Prontakin. Sov. voin 45 no. 12:6-7 Je '63.

GUMILEVSKII, LEV IVANOVICH, 1890-

Writers talk about their work. Tekh. mol. 31 no. 11:15 '63.

GUMS

Changes in the gum temperature in the orthostatic test. E. G. Uritskaia. Eksp. issl. po fiziol., biokhim. i farm. no. 3:185-190 '61.

GUMS—BLOOD SUPPLY

Materials on the morphology of the neurovascular apparatus in paradentosis. V. V. Panikarovskii. Teor. i prak. stom. no. 5:131-138 '61.

GUMS—DISEASES

Changes in the internal organs of paradentosis patients. M. O. Vil'dt. Teor. i prak. stom. no. 5:186-192 '61.

Changes in the periodontium during chronic suppurative processes in the lungs. N. N. Garazha. Teor. i prak. stom. no. 5:193-197 '61.

Controversial problems of paradentosis. A. I. Evdokimov. Teor. i prak. stom. no. 5:125-130 '61.

Glycogen content in the epithelium of the gum in a healthy state and in pathology. V. V. Zhilina. Teor. i prak. stom. no. 5:150-156 '61.

Leukopoiesis in paradentosis. N. N. Potiakina. Teor. i prak. stom. no. 5:179-185 '61.

Materials on the morphology of the neurovascular apparatus in paradentosis. V. V. Panikarovskii. Teor. i prak. stom. no. 5:131-138 '61.

Mechanism of experimental radiation-induced paradentosis. N. A. Fedorov, A. A. Prokhonchukov, N. A. Zhizhina. Teor. i prak. stom. no. 5:165-174 '61.

Morphological changes in the dentin and enamel of teeth in paradentosis. G. B. Lebedeva and others. Teor. i prak. stom. no. 5:144-149 '61.

Pathological anatomy and morphogenesis of paradentosis. B. I. Migunov, E. I. Zhukova. Teor. i prak. stom. no. 5:139-143 '61.

GUMS—INNERVATION

Materials on the morphology of the neurovascular apparatus in paradentosis. V. V. Panikarovskii. Teor. i prak. stom. no. 5:131-138 '61.

GUMS—SURGERY

Diagnosis and therapy of epulides. I. D. Tesevich. Zdrav. Bel. 9 no. 3:71-75 Mr '63.

GUMS—TUMORS

Diagnosis and therapy of epulides. I. D. Tesevich. Zdrav. Bel. 9 no. 3:74-76 Mr '63.

GUMS AND RESINS

Possibility of benthonic sedimentation of rosin resulting from the discharge of waste water from the production of synthetic rubber into a reservoir. V. A. Ivanov, N. M. Stepanova. Trudy Vor. med. inst. 47:19-22 '62.

GUMS AND RESINS—TOXICOLOGY

Functional and morphological changes in an animal organism in chronic rosin poisoning. V. A. Ivanov, T. K. Maksimova. Trudy Vor. med. inst. 47:23-26 '62.

GUMS AND RESINS, SYNTHETIC see Resins, Synthetic

GYMNASTICS

Early start of training in competitive gymnastics. A. V. Martynova. Probl. fiz. sporta no. 2:297-301 '61.

Examination of the functional capacity of the cardiovascular and respiratory systems in young gymnasts. A. V. Martynova. Probl. fiz. sporta no. 2:209-224 '61.

Falameev, A. I. [How to become healthy, strong and handsome; advices, lessons and exercises for dumbell, weight and bar gymnastics at home] Kak stat' zdorovym, sil'nym i krasivym; sovety, uroki i uprazhneniia dlia zaniamaiushchikhsia s ganteliami, giriami i shtangoi v domashnikh usloviiakh. [Leningrad] Lenizdat, 1963. 94 p.

GYMNOSOMATA

Anatomy of Anopsia gaudichaudii (Souleyet) and the systematic position of Gymnosomata (Opisthobranchia) [with summary in English]. IU. S. Minichev. Zool. zhur. 42 no. 9:1317-1328 '63.

GYNECOLOGISTS

Experience in the activity of the Board of the Scientific Society of Obstetricians and Gynecologists of the R. S. F. S. R. and of the local societies. K. N. Zhmukin, L. V. Ostrovitianova. Akush. i gin. 39 no. 4:141-142 Jl-Ag '63.

GYNECOLOGY

Book reviews. Fel'd. i akush. 28 no. 8:58-63 Ag '63

Immediate results of compound therapy of gynecological patients in the "Paratunka" sanatorium in Kamchatka. I. K. Asauliuk. Akush. i gin. 39 no. 4:115-116 Jl-Ag '63.

Peritoneoscopy as a supplementary method in the examination of gynecological patients [with summary in English]. N. M. Zavrazhin. Akush. i gin. 39 no. 4:16-18 Jl-Ag '63.

Pneumogynecography in endocrine diseases. M. I. Santotskii and others. Probl. endok. i gorm. 9 no. 5:97-100 S-O '63.

Review of H. Martius' book "Textbook of gynecology" [in German]. A. B. Bartel's. Akush. i gin. 39 no. 4:144-146 Jl-Ag '63.

GYPSUM

(see also subdivision under Turkmenistan)

Mobility of exchangeable sodium and recommended norms for the use of gypsum in the improvement of Solonetz soils [with summary in English]. G. N. Sambur. Pochvovedenie no. 11:35-46 N '63.

GYPSUM PRODUCTS see subdivision under Kungur

GYROCOMPASS

Change in the attenuation factor of a gyrocompass. N. Strelnov. Voen. vest. 43 no. 10:86 O '63.

Effect of unsteady roll and yaw on the accuracy of single rotor gyrocompasses. A. A. IAkushenkov. Trudy TSNIIMF 8 no. 47:45-54 '63.

New method of correcting a single-rotor gyrocompass with torque gimbals of the sensitive element. A. A. IAkusenkov, V. IA. Khodyrev. Trudy TSNIIMF 8 no. 47:55-59 '63.

Precision gyrocompass on a fixed foundation. S. P. Seleznev. Inzh. zhur. 3 no. 4:694-698 '63.

Training apparatus of an artillery gyrocompass. V. Derenianko. Voen. vest. 43 no. 10:114-115 O '63.

GYROCOMPASS—VIBRATIONS

Investigating the stability of free damping oscillations of a two-rotor gyrocompass with the help of the Vyshnegradskii diagram. A. E. Potemkin. Trudy TSNIIMF 8 no. 47:60-63 '63.

GYROSCOPE

Investigating the drifts of an astatic gyroscope in gimbals on a swinging base. D. M. Klimov. Izv. AN SSSR Mekh. i mashinostr. no. 5:11-16 S-O '63.

Stability of the motion of a gyroscope in gimbals with spring limiters and a damper. A. I. Gurin. Inzh. zhur. 3 no. 4:619-627 '63.

Stability of unsteady motions of gyroscopes during a finite time interval. V. V. Krementulo. Inzh. zhur. 3 no. 4:690-694 '63.

GYROSCOPIC INSTRUMENTS

Experimental investigation of an ABR-type automatic steering device. G. E. Shleier. Trudy TSNIIMF 8 no. 47:64-73 '63.

HABIT

Set in habit interference. Z. I. Khodzhava. Eksp. issl. po psikhol. ust. 2:161-193 '63.

HAFNIUM—ANALYSIS

Screening experiments in the study of separation of zirconium and hafnium by extraction with tributyl phosphate. IU. V. Granovskii and others. Zav. lab. 29 no. 10:1220 '63.

HAIRDRESSING—COMPETITIONS

Parade of hairdos. S. Moiseev. Mest. prom. i khud. promys. 3 no. 9:19-21 S '62.

HALKOUSKI, KANSTANTSIN, 1875-1963

Kanstantsin Halkouski, a White Russian composer. I. Shutovich. Belarus' 20 no. 9:29 S '63.

HALL EFFECT

Anisotropy of the Hall effect in partially reduced single-crystal rutile (TiO_2). V. N. Bogomolov, V. P. Zhuze. Fiz. tver. tela 5 no. 11:3205-3209 N '63.

Effect of the Hall current on a rotating plasma in mutually opposed fields. E. M. Drobyshevskii, Zhur. tekh. fiz. 33 no. 11:1336-1343 N '63.

Induction type transducers of limited size for measuring weak magnetic fields of audio frequency. B. G. Ivanenko, A. F. Kotiuk. Izv. AN SSSR, Ser. geofiz. no. 11:1681-1690 N '63.

HALOPHYTES see subdivision under Ukraine

HALOTHANE

Electroencephalography in superficial fluothane anesthesia. V. IU. Ostrovskii, R. G. Alekhina. Khirurgiia 39 no. 7:39-43 Jl '63.

Pros and cons of fluothane anesthesia [with summary in English]. V. M. IUrevich. Khirurgiia 39 no. 7:29-33 Jl '63.

HAND—DISEASES

Fishman, L. G. [Clinical aspects and treatment of finger and hand diseases] Klinika i lechenie zabolevanii pal'tsev i kisti. Moskva, Medgiz, 1963. 391 p. (Biblioteka prakticheskogo vracha) (DNLM)

Treatment of acute suppurative diseases of the hand by intraosseous introduction of antibiotics in a novocaine solution [with summary in English]. M. M. Tikh[illegible]. Vest. khir. 90 no. 6:105-108 Je '63.

HAND—SURGERY

Posttraumatic restoration of the hand and fingers in the primary surgical treatment of the victim, observation of the union of severed fingers with the hand. P. D. Togaboy. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:155-157 '58.

HAND—WOUNDS AND INJURIES

Treatment of microtraumas of the fingers and hand in workers of the Orekhovo-Zuyevo group of cotton mills. P. S. Amarian. Ortop., travm. i protez. 24 no. 6:42-44 Je '63.

HANDICAPPED

[Job finding for the disabled in the U. S. S. R.; collection of regulations and methodological materials] Trudovoe ustroistvo invalidov v SSSR, sbornik normativnykh aktov i metodicheskikh materialov. Moskva, Gosizdat, 1963. 470 p.

HANDICRAFT see subdivision under Bukhara; White Russia

HANGING

Fractures of the cervical portion of the spine in suicide by hanging. P. IA. Sokolov. Sud.-med. ekspert. 6 no. 4:43 O-D '63.

HANZELKA, JIŘI, 1920-

Hundred and twenty kilometers with Hanzelka and Zikmund. Genrikh Gurkov. Ogonek 41 no. 44,22-23 O '63.

HAPTOGLOBIN

Identification of α_2-protein in dogs with a haptoglobin. N- and C-terminal groups of α_2-protein. V. D. Uspenskaia and others. Dokl. AN SSSR 152 no. 3:754-757 S '63.

HARBORS

Effect of poor visibility on the standing time at harbor approaches. I. L. Bukhanovskii. Trudy NIIAK no. 20: 88-95 '63.

Methods of determining the cost of loading and unloading operations. E. Tikhomirova. Rech. transp. 22 no. 10: 19-20 O '63.

Some problems in the expansion of harbors. A. Polikarpov. Mor. flot 23 no. 11:0-11 N '63.

HARD FACING

Ceramic fluxes with an iron powder. K. V. Bagrianskii, P. F. Lavrik, V. N. Kal'ianov. Avtom. svar. 16 no. 10:43-46 O '63.

HARDNESS

Apparatus for determining the hardness of plastic thin-layer coatings and bushings. N. IA. Kostel'man, V. N. Kostel'man. Zav. lab. 29 no. 10:1252-1253 '63.

Problem of "new" hardness numbers. G. I. Pogodin-Alekseev. Zav. lab. 29 no. 10:1272-1274 '63.

HARDWARE see subdivision under Magnitogorsk

HARELIP

Late results of the surgical treatment of congenital fissures of the upper lip [with summary in English]. A. A. Limberg. Vest. khir. 90 no. 6:67-73 Je '63.

HARES

The hare comes to the player. A. Rublikau. Belarus' 20 no. 10,30 O '63.

HARMONIC ANALYSIS

Distribution of quasiharmonic noise envelope maxima. V. I. Tikhonov. Izv. vys. ucheb. zav.; radiotekh. 6 no. 5:537-542 S-O '63.

Some properties of functions with limited Fourier spectrum. IA. P. Dragan. Vop. pered. inform. 2:44-54 '63.

Use of the statistical testing method in determining the one-dimensional distribution function of the values of current (voltage). A. S. Frolov. Trudy VNIIF no. 15: 166-179 '63.

HARMONIC FUNCTIONS

Growth of functions harmonic within a cylinder and growing at its boundary together with the normal derivative. Sh. IArmukhamedov. Dokl. AN SSSR 152 no. 3:567-569 S '63.

HARROWS

Comparative evaluation of cultivators and disk harrows [with summaries in English, German, and French]. P. G. Kulebakin, L. P. Kazakova. Vest. sel'khoz. nauki 8 no. 6:87-89 Je '63.

HARTNY, TSENKA, pseud. see Zhylunovich, Zmitser, 1897-1937

HARVESTING

Wide-range harvesting technique. L. Chicheva. Sel'. mekh. no. 10:30 O '63.

HARVESTING MACHINERY

For a rich harvest. O. Hordii. Ukraina no. 12:4 Je '62.

Wide cutting. A. Rumiantsev. Izobr. i rats. no. 11:39 '63.

HARZ MOUNTAIN REGION—DESCRIPTION AND TRAVEL

A city on the Harz. D. Hranin. Ukraina no. 17:27-28 S '62.

HASEK, JAROSLAV, 1883-1923

In Hašek's footsteps. M. Shtikh. Znamia 33 no. 6:220-231 Je '63.

Jaroslav Hasek in revolutionary Russia. A. Kolosков. Zvezda no. 5:201-204 My '62.

HEADGEAR see subdivision under Turkmenistan

HEALTH EDUCATION

(see also subdivision under Nagorno-Karabakh Autonomous Province; Yal'chiki District)

Health education at a new stage. B. D. Petrov. Sov. zdrav. 22 no. 7:3-8 '63.

Sanitary-educational work of the factory broadcasting system. I. I. Alekperov, E. K. Andreeva, A. I. Seidbekov. Sov. zdrav. 22 no. 7:25-28 '63.

HEALTH RESORTS, WATERING PLACES, ETC

(see also subdivision under Abastumani, Black Sea region, Dilizhan, Kamchatka; Kiev Province, Russia, Northwestern; Saki, Crimea; Truskavets; Uzbekistan)

Gol'dfain, L. G., ed. [Manual for physicians on the selection of sanatoriums and health resorts] Rukovodstvo dlia vrachei po sanatorno-kurortnomu otboru. Pri uchastii R. F. Akulovoi i dr. 2. izd., dop. i ispr. Moskva, Medgiz, 1963. 511 p. (DNLM)

HEARING AIDS see subdivision under Kazan

HEART

Condition of the heart in young people developing strength, speed, and endurance. Ch'in Hao-wang. Probl. fiz. sporta no. 2:224-231 '61.

Test with an isolated heart as a rapid method of a preliminary evaluation of the toxicity of sewage and its ingredients. V. A. Ivanov, N. IA. Kuchumina, L. N. Fetisova. Trudy Vor. med. inst. 47:41-46 '62.

HEART—BLOOD SUPPLY

Some characteristics of the microvascularization of the human myocardium. A. E. Trifonov. Trudy Khab. med. inst. 23 no. 2:23-25 '62.

HEART—CALCIFICATION

Use of tomography in the diagnosis of intracardiac calcifications [with summary in English]. IA. V. Paktovskii. Vest. rent. i rad. 38 no. 5:8-13 S-O '63.

HEART—CANCER

Intravital diagnosis of a primary tumor of the heart. G. B. Berliner, P. I. Sobolev, L. S. Mos'panov. Klin. med. 40 no. 11:132-135 N '62.

Primary fibrosarcoma of the heart. M. I. Bagrov, IU. D. Grigor'eva. Vrach. delo no. 11:131-133 N '63.

HEART—DISEASES

Activity of glutamic-oxalacetic transaminase in injuries of the myocardium. V. S. Larina. Vrach. delo no. 11 126-127 N '63.

Anesthesiological problems in electrostimulation of the heart [with summary in English]. A. P. Zil'ber Vest. khir. 91 no. 7:57-60 Jl '63.

Cardiac asthma. M. IA. Ar'ev. Med. sestra 22 no. 11:20-23 N '63.

Course of pregnancy and labor in women with heart diseases, from data of the Grodno Maternity Home for 7 years. V. S. Rakut'. Zdrav Bel. 9 no. 3:61-64 Mr '63.

Effect of work on patients with heart defects [with summary in English]. F. I. Karamyshev. Klin. med. 40 no. 11:68-76 N '62.

Graphic analysis of some sound phenomena of the heart in diastole [with summary in English]. A. L. Mikhnev, G. V. IAnovskii. Vrach. delo no. 11:9-15 N '63.

"Interoceptive effects from the gastrointestinal tract to the heart" by I. E. Ganelina. Reviewed by L. M. Rakhlin. Kaz. med. zhur. no. 5:107-108 S-O '63.

"Key to the diagnosis and treatment of heart diseases" [translated from the English] by Paul D. White. Reviewed by I. N. Rybkin. Klin. med. 10 no. 11:153-154 N '62.

Kosharko, K. A. [Electrokymography in the diagnosis of heart defects] Elektrokimografiia v diagnostike porokov serdtsa. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 152 p. (DNLM)

Present methods for the prevention and treatment of heart defects. P. N. IUrenev. Med. sestra 22 no. 11:8-11 N '63.

Treatment and prophylaxis of cardiac insufficiency R. G. Mezhebovskii. Med. sestra 22 no. 11:3-8 N '63

Use of electrical stimulation of the heart in Morgagni-Adams-Stokes syndrome developing against a background of severe diabetes mellitus [with summary in English]. IU. I. Bredikis, M. G. Fridzon. Probl. endok. i gorm. 9 no. 5:85-88 S-O '63.

Vishnevskii, A. A., P. N. Mazaev, and A. D. Dzhagarian [Atlas of angiocardiography; congenital heart defects] Atlas angiokardiografii; vrozhdennye poroki serdtsa. Erevan, Armianskoe gos. izd-vo, 1963. 354 p. (DNLM)

Volovik, A. B. [Heart diseases in children] Bolezni serdtsa u detei Leningrad, Medgiz, 1963. 44 p. (Nauchno-populiarnaia meditsinskaia biblioteka) (DNLM)

HEART—EXAMINATION

Auscultation of the fetal heart beat as a method of determining the location of the placenta. M. IA. Martynshin. Kaz. med. zhur. no. 5:60-62 S-O '63.

HEART—HYDATIDS

Radical surgery in echinococcosis of the heart. S. A. Gadzhiev, A. A. Voronov. Vest. khir. 90 no. 6:117-119 Je '63.

HEART—HYPERTROPHY AND DILATATION

Comparative significance of longitudinal tomography in the recognition of enlargement of the left atrium [with summary in English]. V. A. Shanina Vest. rent. i rad. 38 no. 5:3-7 S-O '63.

HEART—INFARCTION

(see also subdivision under Leningrad)

Cases of hemorrhagic complications following the use of anticoagulants in myocardial infarct [with summary in English]. A. S. Smetnev, N. A. Makarova, E. G. Poliakarpova. Terap. arkh. 35 No. 5:38-43 My '63.

Changes in the calcium and inorganic phosphorus of the blood in patients with acute myocardial infarct developing after coronary thrombosis [with summary in English]. A. D. Khetagurov. Terap. arkh. 35 no. 5:15-20 My '63.

Clinical and electrokymographic parallels in patients with cicatrical changes following myocardial infarct [with summary in English]. V. N. Orlov. Terap. kh. 35 no. 5:10-15 My '63.

Concerning the problem of nosology, nomenclature and statistical recording of myocardial infarct. O. S. Radbil'. Terap. arkh. 35 no. 5 93-97 My '63.

"Coronary circulation of the blood and experimental myocardial infarct" by V. V. Frol'kis and others. Reviewed by E. I. Chaika. Vrach. delo no. 11:152-153 N '63.

Hospitalization and treatment of patients with myocardiac infarction complicated by collapse [with summary in English]. A. A. Shelagurov, T. I. Dobrovol'skaia, D. P. Il'in. Klin. med. 40 no. 11:62-68 N '62.

Lebedeva, V. S. [Exercise therapy in myocardial infarct] Lechebnaia fizicheskaia kul'tura pri infarkte miokarda. Leningrad, Medgiz, 1963. 141 p. (Biblioteka prakticheskogo vracha) (DNLM)

Micromorphological picture of neural structures of the intramural and extramural nervous system of the heart in experimental myocardial infarction in rabbits. Report No. 1. A. R. Atakishiev. Sud.-med. ekspert. 6 no. 4:33-34 O-D '63.

Myocardial infarct and physical stress [with summary in English]. M. I. Teodori, K. F. Vlasov. Terap. arkh. 35 no. 5:3-10 My '63.

Nosology, nomenclature and statistical recording of myocardial infarct. A. V. Smol'iannikov. Terap. arkh. 35 no. 5:91-93 My '63.

Prevention of repeated myocardiac infarcts. N. P. Vashchanova, S. S. Shishkin. Klin. med. 40 no. 11:58-62 N '62.

Recording and analysis of myocardial infarct. E. R. Guglin. Terap. arkh. 35 no. 5:97-100 My '63.

Reply to the remarks on our article "On the problem of nosology, nomenclature and statistical recording of myocardial infarct." G. P. Shul'tsev. Terap. arkh. 35 no. 5:101-103 My '63.

Statistical recording of myocardial infarct. B. A. Ryvkin, F. Z. Ryvkina. Terap. arkh. 35 no. 5:100-101 My '63.

The status of external respiration in acute myocardial infarct [with summary in English]. S. KH. Sidorovich. Terap. arkh. 35 no. 5:34-39 My '63.

HEART—INNERVATION

Ganglionic-synaptic structures of the intracardiac nervous system and their functional role. M. G. Udel'nov, G. N. Kopylova. Vest. Mosk. un. Ser. 6. Biol., pochv. 18 no. 4:14-24 Jl-Ag '63.

Micromorphological picture of neural structures of the intramural and extramural nervous system of the heart in experimental myocardial infarction in rabbits. Report No. 1. A. R. Atakishiev. Sud.-med. ekspert. 6 no. 4:33-34 O-D '63.

HEART—MUSCLE

Content of trace elements in the myocardium. Z. Kneta. Izv. AN Latv. SSR no. 9:115-122 '63.

Dynamics of stress in the myocardium in compensatory hyperfunction and insufficiency of the heart from overwork. F. Z. Meerson and others. Zhur. eksp. i klin. med. 3 no. 4:13-23 '63.

Focal changes in the myocardium in certain diseases of the blood. M. A. Gurevich, O. V. Il'ich. Vop. klin. pat. no. 2:223-231 '61.

HEART—MUSCLE (Continued)

Method of phasic resection of a portion of the myocardium at a given phase of the cardiac cycle for subsequent biohistochemical and autoradiographic investigation. A. N. Medelianovskii and others. Trudy po nov. app. i metod. no. 1 71-79 '63.

Morphological tests of the stress reaction in the human myocardium [with summary in English]. K. M. Danilova. Arkh. pat. 25 no. 7:42-49 '63.

HEART—NECROSIS

Hemorrhages and necroses in the myocardium in excessive physical strain; clinicoanatomical studies [with summary in English]. G. P. Shul'tsev, M. I. Teodori. Arkh. pat. 25 no. 6:33-38 '63.

HEART—RADIOGRAPHY

Comparative significance of longitudinal tomography in the recognition of enlargement of the left atrium [with summary in English]. V. A. Shanina. Vest. rent. i rad. 38 no. 5 3-7 S-O '63.

Method of phasic photography of the heart, a method of receiving photographs and films of the X-ray image of the heart at a given phase of the cardiac cycle. A. N. Medelianovskii, V. A. Frolov, O. I. Kiselev. Trudy po nov. app. i metod. no. 1:60-63 '63.

Method of phasic roentgenocardiography. A. N. Medelianovskii and others. Trudy po nov. app. i metod. no. 1: 54-59 '63.

Phasic X-ray cardiograph FRK-61 is a commercial apparatus guaranteeing the use of the phasic method. I. K. Tabarovskii. Trudy po nov. app. i metod. no. 1. 46-53 '63.

Use of tomography in the diagnosis of intracardiac calcifications [with summary in English]. IA. V. Paktovskii. Vest. rent. i rad. 38 no. 5:8-13 S-O '63.

HEART—SOUNDS

Changes in the phonocardiogram in disorders of rhythm and conductivity in children with rheumatism [with summary in English]. A. I. Pimenov. Pediatriia 41 no. 7 50-54 Jl '63.

Clinical significance of the analysis of the heart contraction phase in rheumatic fever [with summary in English]. G. S. Kozlov. Terap. arkh. 35 no. 5:71-78 My '63.

Graphic analysis of some sound phenomena of the heart in diastole [with summary in English]. A. L. Mikhnev, G. V. IAnovskii. Vrach. delo no. 11 9-15 N '63.

Phonocardiographic characteristics in healthy pregnant women [with summary in English]. N. F. Rybkina. Akush. i gin. 39 no. 4:54-58 Jl-Ag '63.

HEART—SURGERY

Radical surgery in echinococcosis of the heart. S. A. Gadzhiev, A. A. Voronov. Vest. khir. 90 no. 6:117-119 Je '63.

Relation of the ether concentration in the venous blood to the electroencephalographic curve in ether-oxygen and nitrous oxide-ether-oxygen anesthesia during heart operations [with summary in English]. G. I. Ostapenko. Khirurgiia 39 no. 7:74-80 Jl '63.

Study of electroencephalographic data in surgery on the heart. S. N. Strakhov. Med. sestra 22 no. 11:41-44 N '63.

HEART BLOCK

Changes in the phonocardiogram in disorders of rhythm and conductivity in children with rheumatism [with summary in English]. A. I. Pimenov. Pediatriia 41 no. 7:50-54 Jl '63.

HEART FAILURE

Excretion of aldosterone with the urine in cardiac insufficiency [with summary in English]. E. N. Gerasimova. Klin. med. 41 no. 7:108-111 Jl '63.

Mechanism of the recovery of cardiac activity in the elimination of shock by rhythmic distension of the arterial walls. T. D. Sorochan. Zdravookhranenie 6 no. 5. 52-57 S-O '63.

Mechanism of the stoppage of the ventricles of the heart by stimulation of the vagus nerve. E. B. Babskii, L. S. Ul'ianinskii. Dokl. AN SSSR 152 no. 5.1263-1266 O '63.

Reflex arrest of cardiac activity during anesthesia. E. G. Mil'ner. Khirurgiia 39 no. 7:80-82 Jl '63.

HEARTBEAT

Changes in the fetal heartbeat during the first stage of labor; phonocardiographic study. L. I. Akkerman. Akush. i gin. 39 no. 4:95-99 Jl-Ag '63.

Effect of vibration and muscular tension on the heart. V. I. Bel'tiukov. Eksp. issl. po fiziol., biokhim. i farm. no. 3:141-149 '61.

Method of phasic study of stimulation of the heart. A. N. Medelianovskii, O. I. Kiselev, E. V. Bogdanova. Trudy po nov. app. i metod. no. 1:64-70 '63.

Relation of the motor cardiac reflexes in man to posture. V. I. Bel'tiukov. Eksp. issl. po fiziol., biokhim. i farm. no. 3:135-140 '61.

HEAT—CONDUCTION

Applying the method of instantaneous uniform conditions to problems of heat conductivity in multilayer solids. E. M. Gol'dfarb. Izv. vys. ucheb. zav., chern. met. 6 no. 10 149-161 '63.

Effect of porosity and structure of corundum refractories on their heat conductivity. I. G. Duderov, D. N. Poluboiarinov. Ogneupory 28 no. 11 516-524 '63.

Heat conductivity, temperature conductivity, and heat capacity of spent liquor. A. M. Chernyi, E. L. Zarochanskii. Izv. vys. ucheb. zav., pishch. tekh. no. 5:124-125 '63.

Selecting the shape and dimensions of specimens in thermal conductivity measurements using the method of a regular heating process for biaxially anisotropic bodies. M. S. Metsik. Izv. vys. ucheb. zav., fiz. no. 3 136-138 '63.

HEAT—CONVECTION

Convective heat transfer of a gas-graphite suspension flow in longitudinally ribbed channels. R. A. Bakhtiozin, Z. R. Gorbis. Trudy Od. tekh. inst. 14 55-63 '62.

HEAT—PHYSIOLOGICAL EFFECT

Effect of thiol compounds on the thermal resistance of white mice. V. D. Lindenbraten. Trudy Khab. med. inst. 23 no. 2:71-72 '62.

Effect of tonic drugs and adaptive hormones on the thermal resistance of white mice. V. D. Lindenbraten, S. D. Krylov. Trudy Khab. med. inst. 23 no. 2:73-74 '62.

Iosel'son, S. A. [Physiological fundamentals of increase in the resistance of people to intensive thermal effects] Fiziologicheskie osnovy povysheniia vynoslivosti liudei k intensivnym teplovym vozdeistviiam. Leningrad, Medgiz, 1963. 86 p.

Water and salt metabolism in thermal dehydration [with summary in English]. L. Gets. Gig. truda i prof. zab. 7 no. 1:36-41 Ja '63.

HEAT—TRANSMISSION

Calculating the pressure in glass containers during high-temperature sterilization. F. I. Kogan. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:126-129 '63.

Coefficient of heat transfer in a radial flow turbine. E. G. Bogoslavskii. [Sbor. trud.] RIIZHT no. 32 139-161 '61.

Devices for heating high-temperature liquid heat carriers. I. R. Granovskaia, V. O. Fogel'. Prom. energ. 18 no. 11:22-26 N '63.

Effect of low-frequency oscillations on the purity of the heating surface of a rocking heater. Z. I. Geller, V. I. Ashikhmin. Izv. vys. ucheb. zav.; energ. 6 no. 10:130-132 O '63.

Effect of temperature on the intensity of glassmaking. D. B. Ginzburg, E. A. Khazan. Trudy MKHTI no. 37: 106-111 '62.

Effect of the flow rate of the heat carrier on the rate of drying of sunflower seeds. V. M. Kopeikovskii, V. K. Kostenko. Masl.-zhir. prom. 28 no. 10:13-16 O '62.

Effect of the thermophysical properties of gases on their heat transfer in the presence of granular materials. A. M. Kagan, I. L. Gel'perin. Khim. prom. no. 8.620-622 Ag '63.

Growth rate of steam bubbles during the boiling of a liquid. V. I. Tolubinskii. Izv. vys. ucheb. zav.; energ. 6 no. 10:77-83 O '63.

Heat emission and the hydraulic resistance of steam air preheaters in marine boilers. N. I. Pushkin, A. S. Turlakov, L. V. Litvid. Trudy LKI. no. 36:75-84 '62.

Heat transfer and humidity characteristics of exterior brick guard walls. V. V. Kovalev. Izv. vys. ucheb. zav.; energ. 6 no. 10:83-91 O '63.

Letter to the editor. A. A. Gukhman, A. F. Gandel'sman. Izv. vys. ucheb. zav.; energ. 6 no. 9:122 S '63.

Nomogram for determining the coefficient of heat release by water during boiling. N. D. Krishtal'. Sudostroenie 29 no. 10:40 O '63.

Studying the heat transfer in the preheaters of sugar factories. N. IU. Tobilevich, I. I. Sagan', V. T. Gariazha. Sakh. prom. 37 no. 10:20-26 O '63.

Viscosity of sodium-potassium heat carriers. V. B. Zenkevich, IU. I. Krokhin. Izv. vys. ucheb. zav.; energ. 6 no. 10:91-97 O '63.

HEAT CAPACITY

Heat conductivity, temperature conductivity, and heat capacity of spent liquor. A. M. Chernyi, E. L. Zarochanskii. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:124-125 '63.

Laboratory setup for determining the heat capacity of a gas at constant pressure (Cp) using the constant flow method. S. N. Sokolov, G. IA. Nikhamina. Izv. vys. ucheb. zav.; fiz. no. 5:179-180 '63.

HEAT ENGINEERING—ABSTRACTS

[Heat engineering] Ref. zhur.: Teploenerg. no. 11 D '63.

HEAT ENGINES

Development of an economically efficient cycle of a heat-power plant. V. L. Dekhtiarev. Trudy Od. tekh. inst. 14:39-44 '62.

HEAT EXCHANGERS

Design of automated heat exchange apparatus for the dairy industry. F. M. Tarasov. Trudy VNIMI [MoL] no. 22:75-96 '62.

Devices for heating high-temperature liquid heat carriers. I. R. Granovskaia, V. O. Fogel'. Prom. energ. 18 no. 11 22-26 N '63.

Heat exchange on finned tube surfaces with low fins. I. P. Chashchin, N. N. Norkin. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5.881-883 '63.

[Heat exchangers of power engineering systems] Teploobmennaia apparatura energeticheskikh ustanovok. [By] M. M. Andreev i dr. Moskva, Mashgiz, 1963. 232 p.

Hydraulics and mass transfer in the intertubular space of a heat-exchange column. M. E. Aerov and others. Khim. prom. no. 9.703-705 S '63.

Increasing the thermal efficiency of straight tube heat exchangers by a tangential supply of a heat carrier. V. K. Eremolin. Sudostroenie 29 no. 10:37-40 O '63.

Redesign of ceramic soaking pit recuperators. F. A. Kudrin and others. Metallurg 8 no. 10:29-31 O '63.

Stability of contact apparatus having internal heat exchange. M. G. Slin'ko, V. S. Beskov, V. B. Skomorokhov. Khim. prom. no. 9:641-647 S '63.

Utilization of the heat of scavenging water. G. I. Kozlu-lev, S. I. Shuev. Prom. energ. 18 no. 11:6-7 N '63.

HEAT EXCHANGERS—TESTING

Testing rotary ball checker chambers. V. I. Gol'tsman. Lit. proizv. no. 10.16-17 O '63.

HEAT OF COMBUSTION

Determination of the heats of combustion and evaporation of benzene derivatives. P. G. Maslov, Iu. P. Maslov. Khim. prom. no. 8 594-596 Ag '63.

HEAT OF EVAPORATION

Determination of the heats of combustion and evaporation of benzene derivatives. P. G. Maslov, Iu. P. Maslov. Khim. prom. no. 8 594-596 Ag '63.

HEAT OF FORMATION

Heats of formation of strontium, lead, and silver sulfites [with summary in English]. A. A. Shidlovskii, A. A. Voskresenskii. Zhur. fiz. khim. 37 no. 9:2062-2063 S '63.

HEAT OF REACTION see Chemical reaction, Heat of

HEAT OF SOLUTION

Phase transitions and heats of solution of potassium fluoberyllate (K_2BeF_4). M. E. Levina, N. V. Khromova. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5. 717-723 '63

HEAT REGENERATORS see subdivision under Austria

HEAT-RESISTANT ALLOYS—TESTING

Methods of studying the effect of vibration and its frequency on the stress-rupture strength of heat-resistant alloys. L. T. Timoshuk, V. I. Smolina. Sbor. trud. TSNIICHM no. 32:155-163 '63.

Testing of high-melting metals and alloys for stress-rupture strength at temperatures up to 2800° C. D. M. Ovsiannikov and others. Sbor. trud. TSNIICHM no. 32: 164-174 '63.

HEAT TREATING FURNACES see Furnaces, Heat-treating

HEATING

Temperature graphs of the water of central heating systems. K. Paegle. Izv. AN Latv. SSR no. 9:43-48 '63.

HEATING FROM CENTRAL STATIONS

Centralized control of present-day municipal heat distribution systems. E. IA. Sokolov. Elek. sta. 34 no. 10:23-30 O '63.

Determination of value of central heating coefficient. N. P. Volkov. Izv. vys. ucheb. zav.; energ. 6 no. 10: 49-55 O '63.

HEIFERS see subdivision under Kazakhstan

HELICOPTERS

Outer-space diploma of a student. Tekh. mol. 31 no. 11: 31 '63.

HELIOMYCIN

Formation of heliomycin from an Act. flavochromogenes var. heliomycini culture [with summary in English]. R. S. Ukholina. Antibiotiki 7 no. 10 874-878 O '62.

HELIUM

Helium II as a quantum liquid. V. B. Strukov. Priroda 52 no. 10:24-31 '63.

HEMATOENCEPHALIC BARRIER

State of the hematoencephalic barrier in acute intestinal obstruction [with summary in English]. A. S. Symorets, G. M. Butenko. Vrach. delo no. 11:56-59 N '63.

HEMATOLOGY

Determination of the functional state of the adrenal cortex in hyperthyroidism and thyroidectomy according to hematological indices [with summary in English]. K. P. Zak. Probl. endok. i gorm. 9 no. 5:19-24 S-O '63.

Tur, A. F. [Pediatric hematology] Gematologiia detskogo vozrasta. Izd. 2., ispr. i dop. Leningrad, Medgiz, 1963. 395 p. (DNLM)

HEMATOMA

Treatment of hemangioma with alcohol injections in an out-patient clinic. L. M. Artamonova. Vop. klin pat. no. 2:181-186 '61

HEMATOXYLIN

Colored complex of niobium with hematoxylin V. I. Kornilova, T. N. Nazarchuk. Ukr. khim. zhur. 29 no. 11 1205-1208 '63.

HEMICELLULOSE—TESTING

Investigating hemicelluloses of common reed in the vegetative stage. R. V. Levchishina. Trudy Od. tekh. inst. 14 109-114 '62.

HEMOGLOBIN

Pathogenesis of anemia in rheumatoid arthritis [with summary in English]. S. I. Rinbov, M. M. Shcherba, G. M. Roshchina. Terap. arkh. 35 no. 5:82-86 My '63.

Seasonal fluctuations of the amount of erythrocytes and hemoglobin in the blood of hypertension patients. P. G. Skochii. Vrach. delo no. 11 130-131 N '63

Significance of methemoglobinemia in the pathogenesis of oxygen insufficiency in pneumonia in children. Report No. 2 [with summary in English]. T. A. Labedinskaia, A. A. Ananenko. Pediatriia 41 no. 7 32-37 Jl '63.

HEMOLYTIC ANEMIA

Comparative evaluation of the results of an antiglobulin test in a classic arrangement and its modifications with a prepared antigen. N. A. Novosad. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4: 44-49 '60.

HEMOPHILIA

Pathogenesis of hemorrhagic diathesis in hypoplastic and aplastic states. M. I. Vygovskaia. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4:35-43 '60.

HEMOPOIETIC SYSTEM

Hemopoiesis following extensive experimental resections of the small intestine. A. G. Rosliakov. Trudy Khab. med. inst. 23 no. 2:34-40 '62.

State of hemopoiesis and gases of the blood in transfusions of blood preserved with cation exchangers following hemorrhages. S. B. IAes and others. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4:168-176 '60.

HEMOPOIETIC SYSTEM—DISEASES

Comparative morphology of hypoplastic and aplastic states. N. A. Sheremeta. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4.110-119 '60.

General hemosiderosis in hypoplastic and aplastic states. N. A. Sheremeta. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4.120-125 '60.

Morphological and functional characteristics of hemopoiesis in hypoplastic states. S. B. IAes. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4:76-84 '60.

HEMORRHAGE

Anesthesia in hemorrhagic gastric and duodenal ulcers. V. B. Rumiantsev. Khirurgiia 39 no. 7:99-106 Jl '63.

Cases of hemorrhagic complications following the use of anticoagulants in myocardial infarct [with summary in English]. A. S. Smetnev, N. A. Makarova, E. G. Polikarpova. *Terap. arkh. 35 no. 5:39-43 My '63.*

Effect of hemotransfusion on the cholesterol content in the blood serum following acute hemorrhages. T. L. Novikova-Dantsiger. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4:177-186 '60.

Hemorrhages and necroses in the myocardium in excessive physical strain; clinicoanatomical studies [with summary in English]. G. P. Shul'tsev, M. I. Teodori. Arkh. pat. 25 no. 6:33-38 '63.

Volume of blood loss in patients with closed pelvic fractures. V. F. Pozharitskii. Ortop., travm. i protez. 24 no. 6:28-30 Je '63.

HEMORRHAGE, UTERINE

Arrest of atonic hemorrhage in three parturients by bilateral ligation of the uterine arteries. G. IA. Liberman, T. A. Serova. Akush. i gin. 39 no. 4:429-430 Jl-Ag '63.

Emergency splenectomy for uterine hemorrhage in Werlhof's disease. IU. M. Khomiakov, T. I. Popova. Akush. i gin. 39 no. 4:78-79 Jl-Ag '63.

Treatment of dysfunctional uterine hemorrhages in the climacteric by electrostimulation of the cervix uteri [with summary in English]. S. N. Davydov. Akush. i gin. 39 no. 4:33-36 Jl-Ag '63.

HEMORRHAGIC FEVER

(see also subdivision under Bashkiria; Kazakhstan; Omsk Province, Tula)

Experimental serotherapy in Omsk hemorrhagic fever [with summary in English]. I. M. Rodin and others. Vop. virus. 8 no. 2 193-199 Mr-Ap '63.

Some problems of the epidemiology of hemorrhagic fever with the renal syndrome in the R. S. F. S. R. IU. S. Vasiuta. Med. paraz. i paraz. bol. 32 no. 5:618-619 S-O '63.

HEMOSIDERIN

General hemosiderosis in hypoplastic and aplastic states. N. A. Sheremeta. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4:120-125 '60.

HEMP

Sanitary, hygienic and physiological characteristics of working conditions in flax and hemp factories. E. D. Bakalinskaia, N. P. Savenko. Trudy Vor. med. inst. 47: 97-99 '62.

Senchenko, G. I., A. I. Aminshtein, and M. A. Timonina, eds. [Hemp] Konopliа. Moskva, Sel'khozizdat, 1963. 402 p.
(DNAL)

HEPARIN

Effect of intramuscular injections of heparin on the course and results of injuries caused by cold in the extremities of animals (rabbits). M. I. Maslovskii. Trudy Khab. med. inst. 23 no. 2 94 '62.

Effect of intravenous injections of heparin on some blood indices of experimental animals (rabbits). M. I. Maslovskii. Trudy Khab. med. inst. 23 no. 2 95 '62.

HEPATIC VEINS—DISEASES

Case of Chiari's disease. I. V. Startsev. Klin. med. 41 no. 7.130-133 Jl '63.

HEPATITIS, INFECTIOUS

Activity of some enzymes in the blood serum in Botkin's disease [with summary in English]. O. A. Nuromskaia. Klin. med. 41 no. 7:10-22 Jl '63.

Anti-inflammatory action of corticosteroids in Botkin's disease. V. I. Plotnikov. Kaz. med. zhur. no. 5:43-45 S-O '63.

Autoimmune reactions in Botkin's disease with fatal outcome [with summary in English]. S. O. Avsarkisian. Arkh. pat. 25 no. 7.37-41 '63.

Botkin's disease. V. N. Zhdanov. Zdorov'e 9 no. 10.18 O '63.

Characteristics of the course of acute epidemic hepatitis in elderly persons. O. A. Dunaevskii. Kaz. med. zhur. no. 5:31-32 S-O '63.

Complication of Botkin's disease by orchitis. M. A. Krichko. Klin. med. 41 no. 7:136-139 Jl '63.

Detection of antigens in the blood serum in Botkin's disease. Z. A. Komova, L. K. Frolova. Kaz. med. zhur. *no. 5:32-34 S-O '63.*

Dispensary services for persons recovered from Botkin's disease [with summary in English]. V. A. Klimovitskii, S. R. Vaisman, L. A. Chakina. Klin. med. 40 no. 11:94-98 N '62.

Dystrophy of the liver in Botkin's disease [in Armenian with summary in Russian]. A. V. Kazazian. Zhur. eksp. i klin. med. 3 no. 4:41-47 '63.

Evaluation of some biochemical indices in epidemic hepatitis. G. P. Rudnev and others. Kaz. med. zhur. *no. 5:37-40 S-O '63.*

Functional state of the adrenal cortex in Botkin's disease. O. K. Myshkina. Kaz. med. zhur. no. 5:42-43 S-O '63.

Intracutaneous test by means of an autoserum in Botkin's disease. A. L. Kravchenko. Vrach. delo no. 11:86-90 N '63.

Massive hydrothorax as a complication of liver diseases. M. S. Shneider. Kaz. med. zhur. no. 5:65-68 S-O '63.

Motekun, T. L., and others. [Clinical and laboratory significance of some metabolic processes in infectious hepatitis] Kliniko-laboratornoe znachenie nekotorykh obmennykh protsessov pri infektsionnom gepatite. Tashkent, Medgiz UzSSR, 1963. 108 p.
(DNLM)

Oxidation-reduction processes and respiratory function of the body in epidemic hepatitis. D. Sh. Enaleeva. Kaz. med. zhur. no. 5:34-37 *S-O '63.*

Pichkur, I. F. [Botkin's epidemic hepatitis; manual for subprofessional medical personnel] Epidemicheskii gepatit Botkina; posobie dlia srednikh meditsinskikh rabotnikov. Moskva, Medgiz, 1963. 61 p. (Biblioteka srednego medrabotnika)
(DNLM)

Results of the use of corticosteroids in the treatment of epidemic hepatitis [with summary in English]. A. F. IAkovlev. Klin. med. 41 no. 7:26-33 Jl '63.

Scientific session of the Pediatric Institute of the Ministry of Health of the R. S. F. S. R. on the problem of *Botkin's disease in children. S. IA. Porseva.* Kaz. med. zhur. no. 6:109 S-O '63.

Some problems concerning the etiology and clinical aspects of chronic hepatitis. IA. M. Grinberg and others. Kaz. med. zhur. no. 5:8-10 S-O '63.

Use of prednisolone in the compound therapy of epidemic hepatitis. N. V. Proudobov. Kaz. med. zhur. no. 5:45-48 S-O '63.

Vitamin E content of the blood serum in Botkin's disease. A. M. Kishko, IU. V. Roshkovich. Klin. med. 41 no. 7: 27-28 Jl '63.

Zhumatov, Kh. Zh., and F. G. Daldik. [Infectious hepatitis (Botkin's disease), its epidemiology and prevention] Infektsionnyi gepatit (bolezn' Botkina), epidemiologiia i profilaktika. Alma-Ata, Kazgosizdat, 1962. 201 p.
(DNLM)

Zinc content of the blood and its excretion from the body in Botkin's disease [with summary in English]. F. P. Olgina. Klin. med. 41 no. 7 23-27 Jl '63.

HEPATITIS, INFECTIOUS—BIBLIOGRAPHY See Bibliography—Hepatitis, Infectious

HEPATITIS, INFECTIOUS—COMPLICATIONS AND SEQUELAE

Chronic diseases of the liver and bile ducts following Botkin's disease [with summary in English]. I. D. Mishenin, G. S. Milenkova. Vrach. delo no. 11 83-86 N '63.

HEPATITIS, INFECTIOUS—CONGRESSES

The 15th Scientific Session of the D. I. Ivanovskii Institute of Virology of the Academy of Medical Sciences of the U. S. S. R. dedicated to the problem of infectious hepatitis. I. F. Barinskii, M. E. Semendiaeva, I. E. Tareeva. Terap. arkh. 35 no. 5:114-118 My '63.

HEPATITIS, INFECTIOUS—MICROBIOLOGY

Characteristics of the virus isolated from feces of a patient with epidemic hepatitis (strain K3) [with summary in English]. V. A. Ananiev and others. Vop. virus 8 no. 2 217-221 Mr-Ap '63

Experimental studies on epidemic hepatitis. Experiments on isolation of the virus [with summary in English]. J. Laslo and others. Vop. virus. 8 no. 2 221-224 Mr-Ap '63.

HEPTENE

Radiation-induced oxidation of 1-heptene. V. V. Saraeva, Ts'in' IUi-tai [Chin Yu-t'ai]. Kin. i kat. 4 no. 5:662-*665 S-O '63.*

HERBICIDES

Effect of herbicides on the microflora of dark Chestnut soils in Alma-Ata Province. A. N. Ilialetdinov, R. G. Zhurokova. Trudy Inst. mikrobiol. i virus. AN Kazakh SSR 7:163-167 '63

Some data on the economic of manual labor in applying herbicides in sugar beet plantations. D. I. Chkanikov. Dokl. TSKHA no. 47.133-138 '59.

Time of treating fiber flax plantations with herbicides. A. I. Monov. Dokl. TSKHA no. 47 139-145 '59.

HEREDITY

Rzhavitin, V. N. [Heredity in plants] Nasledatvennost' rastenii. Saransk, Mordovskoe knizhnoe izd-vo, 1962. 157 p. (Saransk. Mordovskii gosudarstvennyi universitet. Uchenye zapiski, no. 19)

HEREDITY OF DISEASE

Changes in the biological properties and morphology of the transplantable strain of rabbit sarcoma during 100 generations [with summary in English]. A. F. Kondrat'eva. Vop. onk. 9 no. 7:11-15 '63.

HERESIES AND HERETICS

Characteristics of new trends in the Russian social thought of the second half of the 17th and the early 18th century. A. I. Klibanov. Ist. SSSR 7 no. 6 85-103 N-D '63.

HERMAPHRODITISM

Steroid spectrum as a diagnostic criterion in true hermaphroditism [with summary in English]. E. Spaniar, J. Kysela. Probl. endok. i gorm. 9 no. 5 101-105 S-O '63.

HERMITE POLYNOMIALS

S. N. Bernstein's problem. I. IU. Ryzhakov. Dokl. AN SSSR 153 no. 2:282-285 N '63.

HERNIA

Casuistics of embryonal hernias. A. M. Minasian. Vest. khir. 91 no. 7:79 Jl '63.

Hernias, their treatment and prophylaxis. B. M. Khromov. Fel'd. i akush. 28 no. 8:19-22 Ag '63

Surgical treatment of hernia in elderly and senile patients [with summary in English]. R. M. Nurmukhamedov, P. V. Kuzionov. Vest. khir. 90 no. 6:40-43 Je '63.

Technic of the surgeon in operating on strangulated femoral hernias. V. A. Iskenderli. Dokl. AN Azerb. SSR 19 no. 4:89-92 '63.

HEROES

Heroes of battles. V. IAkubov. Voen. vest. 43 no. 11: 15-16 N '63.

Seventeen heroes of one regiment. G. Petrov, G. Nekhonov. Voen.-ist. zhur. 5 no. 10:43-49 O '63.

Their exploits are immortal. P. Pshenichnyi. Voen.

Vinogradov, IUrii. [Birth of an exploit; essays] Rozhdenie podviga; ocherki. Riga, Latviiskoe gos. izd-vo, 1963. 109 p.

HEROES IN LITERATURE

In unison with the intelligent hero. L. Mikhailova. Znamia 33 no. 11:203-216 N '63.

HERRING

Systematic relations between European and North American anadromous clupeoid fishes of the genera Alosa, Caspialosa and Pomolobus [with summary in English] A. N. Svetovidov. Zool. zhur. 42 no 10 1523-1538 '63.

HERTZEN, ALEKSANDR IVANOVICH, 1812-1870

Hertzen, A. I. [Collected works in thirty volumes] Sobranie sochinenii v tridtsati tomakh. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 27. Book 2. [Letters, 1860-1864] Pis'ma 1860-1861 godov. 1963. 999 p.

Monograph "Problems of education in the life and work of A. I. Hertzen." M. IA. Popov. Sov. pedag. 27 no. 9 115-148 S '63.

Pustovoit, P. G. [Problem of Slavic character in Hertzen's conception of the world and in his works] Problema slavianskogo kharaktera v mirovozzrenii i tvorchestve Gertsena. [Moskva] Izd-vo Mosk. univ., 1963. 37 p. (V Mezhdunarodnyi s"ezd slavistov (Sofiia), doklady) [With summary in German]

HERTZEN, ALEKSANDR IVANOVICH, 1812-1870—HOMES AND HAUNTS

Putintsev, V. A. [Hertzen in Moscow and its environs] Gertsen v Moskve i Podmoskov'e. [Moskva] Moskovskii rabochii, 1963. 150 p.

HETEROCYCLIC COMPOUNDS

Some transformations of quaternary salts of 2-β-chloropropenyl derivatives of heterocyclic bases. I. I. Levkoev, N. N. Sveshnikov, N. I. Shirokova. Dokl. AN SSSR 153 no. 2 350-353 N '63.

HETEROPTERA see subdivision under Armenia

HEXANE

Aromatization of hexanes at atmospheric pressure over a sodium promoted alumina-platinum catalyst. N. R. Bursian, S. B. Kogan, Z. A. Davydova, Kin. i kat. 4 no. 5:783-786 S-O '63.

Changes in alumina-chromia catalysts during the aromatization of n-hexane. B. A. Kazanskii and others. Kin. i kat. 4 no. 5 768-772 S-O '63.

HEXITOLS

Preparation of anhydrohexitol by hydrogenation of levoglucosan [with summary in English on p. 166]. G. S. Baryshева, N. A. Vasilunina, S. V. Chepigo. Sbor. trud. NIIGS 11:94-101 '63.

HEXOSES

Pentose hydrolysis of cottonseed hulls and corncobs with hexose hydrolyzates [with summary in English on p. 164]. M. E. Shpuntova and others. Sbor. trud. NIIGS 11:7-15 '63.

HIBERNATION

Hibernation of Musca domestica vicina in the Hissar Valley (Tajik S. S. R.) [with summary in English]. L. IA. Il'iashenko. Med. paraz. i paraz. bol. 32 no. 5 565-567 S-O '63.

HIGH MOLECULAR WEIGHT COMPOUNDS see Macromolecular compounds

HIGH PRESSURE RESEARCH

Effect of hydrostatic pressure on the susceptibility of copper-zinc ferrites. N. N. Sirota, IU. M. Khachatrian. Fiz. tver. tela 5 no. 11:3110-3112 N '63.

Variations in the electric resistance of PbS, PbSe, and PbTe at pressures up to 200,000 kg./cm^2. A. A. Semerchan and others. Dokl. AN SSSR 152 no. 5:1079-1081 O '63.

HIGH PRESSURE RESEARCH—EQUIPMENT AND SUPPLIES

High pressure bomb for low temperature research. E. S. Itskevich. Prib. i tekh. eksp. 8 no. 4:148-151 Jl-Ag '63.

Large-scale apparatus for high-pressure research. A. A. Semerchan, N. Z. Shishkov, V. K. Isaikov. Prib. i tekh. eksp. 8 no. 4:152-154 Jl-Ag '63.

HIGHER EDUCATION see Education, Higher

HILBERT SPACE

Resolution into irreducible representations of the tensor product of two irreducible representations of a real unimodular group of the second order (case of two discrete series). B. D. Romm. Dokl. AN SSSR 153 no. 2:276-277 N '63.

HIP JOINT—DISLOCATION

Case of acute massive venous thrombosis. G. A. Dovgilevich. Ortop., travm. i protez. 24 no. 6:49-50 Je '63.

Functional state of muscles in patients with neglected congenital dislocations of the hip according to electromyographic data. A. K. Maistrenko, I. F. Tiutiunnik. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:101-108 '59.

Minina, R. M., ed. [Congenital dislocation of the hip and its treatment] Vrozhdennyi vyvikh bedra i ego lechenie. Minsk, Gosizdat BSSR, 1963. 118 p.
(DNLM)

Results of surgical treatment of pathological dislocations of the hip following infantile coxitis. N. D. Matskevich. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:93-10 '59.

Traumatic central dislocation of the hip; late results. S. I. Likhoded. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 177-181 '59.

Treatment of a congenital dislocation of the hip in newborn infants. N. D. Matskevich, V. G. Chetaeva. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:95-100 '59.

HIP JOINT—FRACTURE

Treatment of hip fractures. S. G. Ostropolets, R. S. Kesel'man. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 133-136 '59.

HIP JOINT—RADIOGRAPHY

Diagnostic value of X-ray photographs of the pelvis and the hip joint in the sacrotrochanterian projection. N. F. Ishchenko-Udalova. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 59-64 '59.

HIP JOINT—SURGERY

Clinical characteristics of patients with sequelae of tuberculous coxitis following radical surgery (resections). B. S. Gavrilenko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:279-286 '59.

Corrective osteotomy with transposition of the hip in ankylosis in the coxofemoral joint. A. A. Korzh. Ortop., travm. i protez. 24 no. 6 59-61 Je '63.

Experience in resection of the hip joint using a pedicle graft. A. A. Rumiantseva. Ortop., travm. i protez. 24 no. 6:64-66 Je '63.

Reconstructive osteotomy of the hip with intraosseous fixation by a metallic pin. T. A. Revenko. Ortop., travm. i protez. 24 no. 6, 61-64 Je '63.

Reconstructive resection of the hip joint in tuberculosis coxitis. K. D. Martyniuk. Probl. tub. 40 no. 6, 104-105 '62.

Restorative processes in the area of the hip joint following the resection of the proximal end of a rabbit's hip, an experimental study. M. V. Khovenko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:317-321 '59.

Results of surgical treatment of pathological dislocations of the hip following infantile coxitis. N. D. Matskevich. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 33-40 '59.

HIP JOINT—TUBERCULOSIS

Clinical characteristics of patients with sequelae of tuberculous coxitis following radical surgery (resections). B. S. Gavrilenko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:279-286 '59.

Reconstructive resection of the hip joint in tuberculosis coxitis. K. D. Martyniuk. Probl. tub. 40 no. 6:104-105 '62.

HIP JOINT—TUMORS

Liposarcoma of the hip. F. A. Kadyrov. Vest. khir. 91 no. 7:87 Jl '63.

HISTAMINE

Changes in the protein fractions of the blood and histamine under the effect of amorphous and crystalline silicon dioxide; experimental research [with summary in English]. I. A. Gel'fon, V. I. Fedorova. Arkh. pat. 25 no. 6:45-52 '63.

Histamine and antihistamines. G. N. Kassil', I. L. Vaisfel'd. Zdorov'e 9 no. 10:4-6 O '63.

Histaminopexy in healthy children and in those with primary tuberculosis [with summary in English]. O. V. Kuliabko, E. V. Sereda. Pediatriia 41 no. 7:11-17 Jl '63.

Protein fractions and blood histamine under the influence of SHF and HF. I. A. Gel'fon, M. N. Sadchikova. Trudy inst. gig. truda i prof. zab. AMN SSSR no. 1:46-49 '60.

HISTOCHEMISTRY

Histochemistry of the intima of the human aorta and problems of arteriosclerosis [with summary in English]. C. Velican, Doina Velican. Arkh. pat. 25 no. 6:16-26 '63.

Review of Gy. Kiszely's book "Practical microtechnique and biochemistry." G. V. Orlovskaia. Arkh. pat. 25 no. 7:89-91 '63.

HISTOLOGY

Eliseev, V. G., ed. [Histology] Gistologiia. Moskva, Medgiz, 1963. 671 p.

Falin, L. I. [Histology and embryology of the oral cavity and the teeth] Gistologiia i embriologiia polosti rta i zubov. Moskva, Medgiz, 1963. 218 p.

HISTOLOGY—CONGRESSES

Vsesoiuznyi s"ezd anatomov, gistologov, i embriologov, 6th, Kiev, 1958. [Transactions of the Sixth All-Union Congress of Anatomists, Histologists and Embryologists] Trudy. Khar'kov, M-vo zdravookhraneniia SSSR.
Vol. 2. 1961. 791 p.

HISTOLOGY—HANDBOOKS, MANUALS, ETC.

Arend, Ulo, and others. [Laboratory manual of histology] Histoloogia praktikum. J. Tehvet i uldtoimetusel. Tallinn, Eesti Riiklik Kirjastus, 1963. 142 p. [In Estonian]

HISTORICAL LIBRARIES see subdivision under Moscow

HISTORICAL MARKERS see subdivision under Leningrad

HISTORICAL MATERIALISM see Dialectical materialism

HISTORICAL MUSEUMS see subdivision under Volgograd

HISTORICAL RESEARCH
(see also subdivision under Netherlands)

More attention to the practical problems of the building of communism. Vest. Mosk. un. Ser. 9 Ist. 18 no. 6 3-7 N-D '63.

"Planovoe khoziaistvo, Voprosy istorii", a review of periodicals. Polit. samoobr. 7 no. 8:122-126 Ag '63.

Preparation of studies devoted to the 50th anniversary of the Great October Socialist Revolution. I. I. Mints. Vop. ist. 38 no. 11:82-105 N '63.

HISTORICAL SOCIOLOGY

A remarkable study on the origin of human society. M. B. Turovskii. Nauch. dokl. vys. shkoly; filos. i sotsiol. 6 no. 4:127-130 '63.

HISTORY

Brief notes. Vop. ist. 38 no. 11:109-201 N '63.

Brief notes. Vop. ist. 38 no. 12:197-199 D '63.

HISTORY—AUDIO-VISUAL AIDS

Notebooks for independent work on ancient and medieval history. M. I. Tenenbaum. Prep. ist. v shkole 18 no. 6:26-35 N-D '63.

HISTORY—BIBLIOGRAPHY see Bibliography—History

HISTORY—CURIOSA AND MISCELLANY

Historical news. Prep. ist. v shkole 18 no. 6:122-124 N-D '63.

HISTORY—STUDY AND TEACHING

Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut obshchego i politekhnicheskogo obrazovaniia. [How to teach a systematic modern history course (the first period) in the ninth grade] O prepodavanii sistematicheskogo kursa novoi istorii (pervogo perioda) v IX klasse, metodicheskoe pis'mo. Moskva, Uchpedgiz, 1963. 110 p.

Annotations. Prep. ist. v shkole 18 no. 6:106-108 N-D '63.

Archive treasures as a school aid. L. D. Anashkin, I. A. Rubin. Prep. ist. v shkole 18 no. 6:74-77 N-D '63.

Brief news. Prep. ist. v shkole 18 no. 6:120-121 N-D '63.

"Connection between teaching history in evening (staggered) schools and life." Reviewed by V. P. Glushkov. Prep. ist. v shkole 18 no. 6:96-97 N-D '63.

How I use periodicals in eighth-grade history lessons. L. A. Bakirov. Prep. ist. v shkole 18 no. 6:89 N-D '63.

Living history. A. V. Kulikov. Prep. ist. v shkole 18 no. 6:91 N-D '63.

Schools of progressive experience. B. S. Panasiuk. Prep. ist. v shkole 18 no. 6:69-74 N-D '63.

Television in the teaching of history. D. I. Polterak. Prep. ist. v shkole 18 no. 6:78-82 N-D '63.

Two-hundredth session of a club. V. A. Sokolov. Prep. ist. v shkole 18 no. 6:87 N-D '63.

Work of a student lecture group. A. IA. Khalkhadan. Prep. ist. v shkole 18 no. 6:88-89 N-D '63.

HISTORY, ANCIENT

Aelianus, Claudius. [Varia historia] Pestrye rasskazy. Perevod s drevnegrecheskogo, stat'ia, primechaniia i ukazatel' S. V. Polenkovoi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 185 p. (Literaturnye pamiatniki)

HISTORY, ANCIENT—AUDIO-VISUAL AIDS

Homemade appliqués in ancient history classes. G. I. Goder. Prep. ist. v shkole 18 no. 6:82-89 N-D '63.

HISTORY, MODERN

Khvostov, V. M., ed. [Modern history] Nova istoriia. [By] O. P. Aver'ianov ta inshi. Kyiv, Radians'ka shkola. Pt. 2. [For the tenth grade] Dlia 10 klasu. 1963. 320 p. 1 fold. map.

HISTORY, MODERN—STUDY AND TEACHING

Studying culture in a tenth-grade modern history course. V. A. Orlov. Prep. ist. v shkole 18 no. 6:30-43 N-D '63.

"Studying the topic "Foreign countries in 1924-1939" in the modern history course" by I. P. Rakhmanova, F. A. Izrailovich, N. V. Popov. Reviewed by L. G. Matzel' and others. Prep. ist. v shkole 18 no. 6:102-103 N-D '63.

HODGKIN'S DISEASE

Surgical treatment and radiation therapy of lymphogranulomatosis. I. G. Peregudov. Vest. khir. 90 no. 6:119-120 Je '63.

HODOGRAPH

Reduction of errors in determining velocities from hodographs of reflected waves. A. K. Urupov. Izv. AN SSSR. Ser. geofiz. no. 10:1508-1521 O '63.

HOEKKERUP, PER, 1915-

Per Hoekkerup. Nov. vrem. 21 no. 46:21 N '63.

HOIDA, IURII ANDRIIOVYCH, 1919-1955

Pap, V. S. [Iurii Hoida; a literary criticism] Iurii Hoida; literaturno-krytychnyi narys. Kyiv, Radians'kyi pys'mennyk, 1963. 188 p. (NN)

HOISTING MACHINERY
(see also subdivision under Kramatorsk)

Induction heating of the oil lines of hydraulic lifts. A. V. Donskoi, P. V. Firsov, I. N. Pruss-Zhukovskaia. Elektrichestva. 31 no. 10:48-50 O '63.

Vacuum hoisting unit for conveying goods. Mashinostroenie no. 5:125-126 S-O '63.

HOISTING MACHINERY—SAFETY MEASURES

Nikitin, G. M. [Safety measures in operating hoisting and conveying machines in construction] Tekhnika bezopasnosti pri ekspluatatsii pod"emno-transportnykh mashin v stroitel'stve. Pod obshchei red. N. A. Smirnova. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962. 38 p. (Bibliotechka stroitelia po tekhnike bezopasnosti, no. 5)

HOLIDAYS see subdivision under South Africa, Republic of

HOLLAND see Netherlands

HOLY CROSS

Neikhardt, A. A. [Mystery of the "holy" cross] Zagadka "sviatogo" kresta. Moskva, Gospolitizdat, 1963. 43 p.

HOLYOAKE, KEITH JACKA, 1904-

Keith Jacka Holyoake. Nov. vrem. 21 no. 50:10 D '63.

HOME AND SCHOOL

Pavlov, V. I., and M. B. Pis'mennaia. [Before the last bell] Pered poslednim zvonkom. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauke, tekhnike. XI Seriia: Pedagogika, no. 16)

Training work with parents. I. Okladnikov. Sov. pedag. 27 no. 11:155-156 N '63.

Working with parents on the organization of play activities of children. T. Il'inikova. Doshk. vykh. no. 11: 34-36 N '63.

HOME ECONOMICS

Advice in family affairs and on home economics. Belarus' 20 no. 11:27 N '63.

Advice on family affairs and in home economics. Belarus' 20 no. 9:27 S '63.

Advice on family affairs and in home economics. Belarus' 20 no. 10:27 O '63.

[For our family] Dlia nashei sem'i. Riga, Latviiskoe gos. izd-vo, 1963. 790 p.

Useful advice. Rab. i stal. 30 no. 10:22 O '63.

HOME LABOR see subdivision under Italy

HOMERUS

Recurring ethnographical subjects. L. S. Berg. Izv. Kir. fil. Geog. ob-va SSSR no. 4:5-14 '63.

HONEY see subdivision under East Kazakhstan Province

HOOKWORMS

Testing of some antihelminth preparations in ascariasis and necatoriasis under outpatient service conditions. R. M. Makhlina, S. D. Avalashvili, A. G. Kamalova. Med. paraz. i paraz. bol. 32 no. 5:623-624 S-O '63.

HORMONE THERAPY

Combined hormone and chemotherapy and radiotherapy of far advanced breast cancer [with summary in English]. L. G. Dymarskii and others. Vop. onk. 9 no. 7: 44-52 '63.

Concerning V. M. Dil'man's reply to the reviewers. Probl. endok. i gorm. 9 no. 5:123-124 S-O '63.

Determination of 17-ketosteroids in the urine and the Thorn test in the treatment of liver diseases using hormonal preparations. A. Z. Davletkil'deeva. Kaz. med. zhur. no. 5:40-41 S-O '63.

Diagnosis and therapy of some forms of amenorrhea [with summary in English]. M. N. Skornlakova. Akush. i gin. 39 no. 4:29-33 Jl-Ag '63.

Experimental hormone therapy of ovarian follicular cysts in rats [with summary in English]. E. A. Ird, D. S. Markarian. Probl. endok. i gorm. 9 no. 5:65-69 S-O '63.

Hormone therapy in hypoplastic and aplastic states. IA. I. Vygovskaia. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4:132-141 '60.

Reply to reviewers V. G. Baranov and A. M. Raskin, V. M. Dil'man. Probl. endok. i gorm. 9 no. 5:120-123 S-O '63.

HORSEFLIES

Repellent properties of m-toluic acid diethylamide to horseflies [with summary in English]. N. A. Violovich. Med. paraz. i paraz. bol. 32 no. 5:539-542 S-O '63.

HORSEFLIES—EXTERMINATION

Effect of repellents on some species of horsefly at different air temperatures, field trials with Skuf'in traps [with summary in English]. A. A. Potapov, V. V. Vladimirova. Med. paraz. i paraz. bol. 32 no. 5:542-546 S-O '63.

Review of the methods used in the control of horseflies. S. P. Rasnitsyn. Med. paraz. i paraz. bol. 32 no. 5: 611-616 S-O '63.

HOSIERY—STANDARDS

Standards for the wear resistance of socks and hosiery. Z. A. Torkunova. Standartizatsiia 27 no. 11:41-44 N '63.

HOSIERY—TESTING

Methods for determining the wear resistance of hosiery. Z. A. Torkunova. Izv. vys. ucheb. zav., tekh. leg. prom. no. 5:56-61 '63.

HOSPITAL CARE see subdivision under Budapest, Ukraine

HOSPITALS—OUTPATIENT SERVICES
(see also subdivision under Kuybyshev Province)

Dispensary service in chronic tonsillitis. A. I. Korkhov, V. M. Khmel'nik. Zdrav. Bel. 9 no. 3:40-41 Mr '63

Dispensary services for persons recovered from Botkin's disease [with summary in English]. V. A. Klimovitskii, S. R. Vaisman, L. A. Chakina. Klin. med. 40 no. 11:94-98 N '62.

Hospital outpatient service for patients with lupus erythematosus and psoriasis. E. D. Gatkin, L. V. Liubkin, N. A. Nikonova. Vest. derm. i ven. 37 no. 7:67-69 Jl '63.

Outpatient service for surgical patients. I. B. Zaidel'. Med. sestra 22 no. 10:36-37 O '63.

Results of long polyclinical (dispensary) observations of cardiovascular diseases [with summary in English]. M. I. Teodori, G. K. Alekseev. Klin. med. 40 no. 11: 51-56 N '62.

HOSPITALS, RURAL see subdivision under Orgeev District

HOSPITALS, RURAL—DESIGN AND CONSTRUCTION

Vinogradov, G. M., comp. [Brief handbook on the construction of rural medical institutions] Kratkii spravochnik po stroitel'stvu sel'skikh lechebnykh uchrezhdenii. Moskva, Medgiz, 1963. 95 p.

HOT-AIR HEATING

Use of the O-30 heating units. E. Krasheninnikov, A. Freindling. Avt. transp. 41 no. 11:22-23 N '63.

HOT-WATER HEATING

Belinkii, E. A. [Efficient water-heating systems] Ratsional'nye sistemy vodianogo otopleniia. Leningrad, Gosstroiizdat, 1963. 207 p.

HOURS OF LABOR
(see also subdivision under Leningrad)

Accounting for the total time of work in seasonal enterprises. G. IAmenel'd. Obshchestv. pit. no. 6:55-57 Je '63.

In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the All-Union Central Council of Trade Unions. Sots. trud 8 no. 10:141-143 O '63.

Length of the working day for the navigating personnel in summer and during periods between navigations. S. Slutskii, E. Shaposhnikov, A. Mel'nikov. Rech. transp. 22 no. 11:20-21 N '63.

Working time. Sel'. mekh. no. 10:34-35 O '63.

HOUSE DRAINAGE see Drainage, House

HOUSE ORGANS see subdivision under Leningrad

HOUSE PAINTING

Klemantso, V. F. [Interior decoration painting] Vnutrennie maliarno-dekorativnye raboty. Pod red. A. M. Smirnova. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 70 p.

HOUSEHOLD APPLIANCES, ELECTRIC

[World capitalist market of electric household appliances] Mirovoi kapitalisticheskii rynok bytovogo elektrooborudovaniia. Moskva, 1963. 64 p. (Biulleten' inostrannoi kommercheskoi informatsii; prilozhenie, no. 13)

HOUSEHOLD SANITATION see Sanitation, Household

HOUSING

Helping people is a pleasure. I. Bugno. Agitator no. 21: 56 N '63.

Plutus, Karl, and Henn Roopalu. [Shall we have cooperative, collective or individual dwellings?] Kooperatiiv-, kollektiiv- voi individuaalelamu? Tallinn, Eesti Riiklik Kirjastus, 1963. 93 p. [In Estonian]

HOUSING—LAW AND LEGISLATION

"Members of a family" according to Soviet housing law. I. Larkin. Sov. iust. no. 18 18-19 S '63.

Wrong policy of housing agencies. A. Kallaev, IA. Gorshtein. Sov. iust. no. 22 18-19 N '63.

HOUSING FOR PHYSICALLY HANDICAPPED see subdivision under Tambov Province

HOUSING MANAGEMENT—ACCOUNTING

Use the journal-voucher accounting method in housing operations and management offices. S. Reznikova, B. Rotshtein. Bukhg. uchet 20 no. 9:58-61 S '63.

HRABOVS'KYI, PAVLO ARSEN'OVYCH, 1864-1902

Pavlo Hrabovs'kyi as literary critic. P. P. Ponomar'ov. Rad. lit. 7 no. 6 42-53 N-D '63.

HRAKHOUSKI, SIARHEI, 1913-

A book of restless verse. R. Shkraba. Belarus' 20 no. 10 28 O '63.

HULLS (NAVAL ARCHITECTURE)

Effect of technological shifts on the strength of ship hull units. M. K. Shalkin. Sudostroenie 29 no. 10 49-52 O '63.

Effect of the spacing of beam knees on deck stability. V. I. Reut, V. V. Kholoptsev. Sudostroenie 29 no. 11: 13-17 N '63.

The motion of a flat deformable shape. IU. I. Faddeev. Trudy LKI, no. 36:39-48 '62

Reinforcement of ship hulls at superstructure ends. M. N. Epshtein. Sudostroenie 29 no. 11:60-64 N '63.

HULLS (NAVAL ARCHITECTURE)—CONGRESSES

Twelfth Conference on the Structural Mechanics of Ships dedicated to the memory of P. F. Papkovich. Sudostroenie 29 no. 10 81-82 O '63.

HULLS (NAVAL ARCHITECTURE)—TABLES, CALCULATIONS, ETC.

Calculating the strength of a double-hulled ship. B. I. Rubinshtein. Sudostroenie 29 no. 10:13-14 O '63.

HUMAN ANATOMY see Anatomy, Human

HUMAN EMBRYOLOGY see Embryology, Human

HUMAN FIGURE IN ART see subdivision under Kizilyank

HUMERUS—DISEASES

Humeral epicondylitis and its treatment. I. N. Smirnov. Ortop., travm. i protez. 24 no. 6:54-56 Je '63.

HUMERUS—FRACTURE

Experience in the treatment of fractures of the humerus by intraosseous fixation with a steel nail [with summary in English]. A. N. Berkutov, S. I. Il'enkov. Vest. khir. 90 no. 6:80-83 Je '63.

Treatment of adduction fractures of the surgical neck of the arm with an abduction plaster cast. P. I. Poliakov. Vest. khir. 91 no. 7:99-102 Jl '63.

HUMIC ACID

Changes in the mobility of humic compounds of peat [with summary in English]. V. P. TSyplenkov. Vest. LGU 18 no. 21:138-147 '63.

Nature of humic acids in connection with their find in the organic substance of sedimentary rocks. IU. N. Petrova. Trudy VNIGRI no. 212. Geokhim. sbor. no. 8:5-22 '63.

HUMUS
(see also subdivision under Bashkiria)

Amino acid composition of humus-type substances formed by some wood-decaying fungi [with summary in English]. A. N. Shivrina, R. A. Maslova. Pochvovedenie no. 11:63-67 N '63.

Change of the organic matter in turf-Podzolic soils after 50 years of farming [with summary in English]. V. E. Egorov, A. M. Lykov. Pochvovedenie no. 10:37-46 O '63.

Characteristics of the humus-illuvial process in a whortleberry spruce forest under different herbaceous vegetation [with summary in English]. M. D. Rydalevskaia, I. A. Tereshenkova. Vest. LGU 18 no. 21:126-137 '63.

Rapid colorimetric method of determining the humus composition of soils and soil solutions. V. P. TSyplenkov. Pochvovedenie no. 10:91-95 O '63.

HUNGARIAN LANGUAGE—DICTIONARIES—UKRAINIAN

Hungarian-Ukrainian dictionary. P. M. Lyzaneta'. Ukr. mova i lit. v shkoli 13 no. 5:88-91 Jl '63.

HUNGARIAN TALES see Tales, Hungarian

HUNGARY—AGRICULTURE, COOPERATIVE

Political instruction in villages. Andras Benkei. Pari. zhizn' no. 24:58-62 D '63.

HUNGARY—ANATOMY, PATHOLOGICAL

Trip to Hungary. K. A. Gornak. Arkh. pat. 25 no. 6:82-84 '63.

HUNGARY—COMMUNIST PARTY

Current problems in studying the history of the Hungarian communist and labor movement. T. M. Islamov. Vop. ist. 38 no. 12 177-178 D '63.

Political instruction in villages. András Benkei. Part. zhizn' no. 24 58-62 D '63.

HUNGARY—EDUCATION

In the scientific and pedagogical institutions and schools of socialist Hungary. Z. Monoszon, N. Monakhov Sov. pedag. 27 no. 11:157-160 N '63.

HUNGARY—FERTILIZERS AND MANURES

Comparative study of the action of nitrophos in Hungary. Bela Debreceni. Dokl. TSKHA no. 47:41-47 '58.

HUNGARY—FOREST MANAGEMENT

Visiting the foresters of Hungary. I. A. Khomiakov, G. M. Bibikov. Les. khoz. 16 no. 9:81-87 S '63.

HUNGARY—HISTORY

Current problems in studying the history of the Hungarian communist and labor movement. T. M. Islamov. Vop. ist. 38 no. 12:177-178 D '63.

HUNGARY—LABOR COURTS

New phase in the work of fellow workers' courts in the Hungarian People's Republic. E. Vorozheikin. Sov. just. no. 20:24-25 O '63.

HUNGARY—RAILROADS—MAKING UP TRAINS

Methods for the multiple-group classification of cars on draw-out tracks. M. Pal. Zhel. dor. transp. 45 no. 11, 85-88 N '63.

HUNGARY—SERFDOM

Hungarian laws of the 16th century concerning the enslavement of peasants. T. M. Sopko. Vest. Mosk. un. Ser. 9: Ist. 18 no. 6 64-77 N-D '63.

HURDLE RACING

Technique of hurdle-racing for girls. V. G. Kanaki. Probl. fiz. sporta no. 2:76-84 '61.

HUSBAND AND WIFE

A stranger. Alesʹ Rybak. Rab. i sial. 39 no. 11:22 N '63.

Vlasova, A. G. [Matrimonial property rights] Imushchestvennye otnoshenila suprugov. Moskva, Gosiurizdat, 1963. 62 p. (Iuridicheskid konsulʹtatsii dlia naselenila v voprosakh i otvetakh)

HYALURONIDASE

Hyaluronidase activity of the amniotic fluid in normal pregnancy and in hydramnios [with summary in English]. N. V. Donskikh, L. N. Ivanova. Akush. i gin. 39 no. 4 78-81 Jl-Ag '63.

Hyaluronidase therapy of chronic lupus erythematosus. E. S. Pevzner Zdrav Bel. 9 no. 3:51-52 Mr '63.

HYDATIDS

Bregadze, I. L., and V. M. Konstantinov. [Alveolar echinococcosis (alveococcosis)] Alʹveoliarnyi ekhinokokkoz (alʹveokokkoz). Moskva, Medgiz, 1963. 222 p. (DNLM)

Obtaining anti-p serums by immunizing animals with an echinococcal allergen. M. V. Mishakova. Sud.-med. ekspert. 6 no. 4:34-37 O-D '63.

HYDRATION

Aquation of some complex compounds of trivalent cobalt. V. D. Panasiuk, S. A. Shevchenko Ukr. khim zhur. 29 no. 11:1142-1147 '63.

Water-sugar solutions. S. E. Kharin, A. A. Kniga. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:47-51 '63.

HYDRAULIC CONVEYING

Successes of hydrotransportation. Priroda 52 no. 10: Strengthening beds of water passages and embankments with asphalt concrete slabs. V. I. Gritsyk, B. R. Kashirskii, V. S. Chakhlov. Transp. stroi. 13 no. 9 19-21 S '63.

HYDRAULIC ENGINEERING—RESEARCH

Toys but not for play. V. Polynin. Ogonek 41 no. 50: 16 D '63.

HYDRAULIC ENGINEERING—STUDY AND TEACHING

Methodology of the analysis of hydraulic circuits. A. V. Perekrestov. Sred. spets. obr. 10 no. 11:46-50 N '63.

HYDRAULIC MACHINERY

Induction heating of the oil lines of hydraulic lifts. A. V. Donskoi, P. V. Firsov, I. N. Pruss-Zhukovskaia. Elek. sta. 34 no. 10 48-50 O '63.

HYDRAULIC MINING

Automating the high pressure hydraulic breaking-down of coal. I. F. TSiapko. Trudy VNIIGidrouglia no. 1 3-13 '62.

Classification and the future of certain flow sheets of manless coal mining. V. V. Gubin. Trudy VNIIGidrouglia no. 1:58-63 '62.

Parameters of combined blasting and hydraulic mining operations with the use of deep boreholes. V. P. Lavtsevich. Trudy VNIIGidrouglia no. 1:33-41 '62.

Research on the weakening of coal seams in rock massifs in order to increase the efficiency of hydraulic mining. L. M. Palʹchikov. Trudy VNIIGidrouglia no. 1, 14-24 '62.

Selecting a method of extracting flat seams in hydraulic mining depending on the size of the caved rock. V. G. Ivanushkin. Trudy VNIIGidrouglia no. 1:55-57 '62.

Shield method of hydraulic mining of steeply pitching seams. G. I. Zhabin, V. R. Salʹnikov. Trudy VNIIGidrouglia no. 1, 42-48 '62.

Sublevel hydraulic coal breaking system with powered collapsible metal supports and their mechanized assembly in the erection area. B. A. Teodorovich and others. Trudy VNIIGidrouglia no. 1, 25-32 '62.

HYDRAULIC MINING—EQUIPMENT AND SUPPLIES

Characteristics of the design and calculation of self-operating coal suction pumps for hydraulic mines. P. P. Vershinin. Trudy VNIIGidrouglia no. 1:69-80 '62.

Hydraulic turbine in machines for underground hydraulic mining. V. I. Medvedkov. Trudy VNIIGidrouglia no. 1, 101-116 '62.

HYDRAULIC PRESSES

Automatic remote control of a 400 ton capacity press. N. F. Tatarko. Avtom. i prib. no. 4:18-20 O-D '63.

Hydraulic press units for plastics operating at a low pressure. A. A. Shturman, E. G. Aronov. Mashinostroenie no. 5:41-42 S-O '63.

Over-all mechanization of labor-consuming operations on a 10,000 ton capacity press. S. I. Kovalʹ, F. D. Bugai. Sbor. Novo-Kram. mashinostroi. zav. no. 5, 15-22 '59.

HYDRAULIC PRESSES—MAINTENANCE AND REPAIR

Mechanized build-up welding of hydraulic press plungers with austenitic steel. A. N. Shamraev, V. P. Velʹdiakov, N. A. Mitrofanov. Avtom. svar. 16 no. 10:71-72 O '63.

Welded cylinder for a 250-ton hydraulic press. S. F. Shchebrov, A. S. Krylovetskii. Svar. proizv. no. 6:41 Je '63.

HYDRAULIC PRESSES—STANDARDS

Hydraulic presses. A. V. Lopatin. Standartizatsiia 27 no. 11:35-36 N '63.

HYDRAULIC STRUCTURES

Determination of the field of velocities in the plane of a spreading turbulent flow using a characteristics technique. G. IA. Mishchuk. Izv. vys. ucheb. zav.; energ. 6 no. 10:108-114 O '63.

Determination of the transmitting capacity of the bed having walls with different roughnesses in the transverse plane. I. D. Denisenko. Izv. vys. ucheb. zav.; energ. 6 no. 9:103-107 S '63.

Plotting the contour of a hydraulic structure foundation by the distribution of filtration rate. N. B. Ilʹinskii. Izv. AN SSSR. Mekh. i mashinostr. no. 5:151-155 S-O '63.

HYDRAULIC TURBINES

Hydraulic turbine in machines for underground hydraulic mining. V. I. Medvedkov. Trudy VNIIGidrouglia no. 1: 101-116 '62.

Results of the calculations of a water hammer by the effective curves of the shutting-off of turbine deflectors. G. E. Avtonomov, N. A. Kartvelishvili, I. A. Chernitin. Izv. AN SSSR. Mekh. i mashinostr. no. 5:155-159 S-O '63.

HYDRAULIC TURBINES—MAINTENANCE AND REPAIR

Repair by welding of cavitation damage on hydraulic turbine rotors. I. A. Kesel'man. Svar. proizv. no. 6: 39-40 Je '63.

HYDRAULICS

Chugaev, R. R. [Hydraulics] Gidravlika. Moskva, Gosenergoizdat, 1963. 527 p.

HYDRAZIDES

Effect of lactic acid hydrazides on the central nervous system [with summary in English]. M. Artiukh. Izv. AN Latv. SSR no. 9 111-114 '63.

HYDRAZINE

Electron paramagnetic resonance in substituted diphenylpicrylhydrazyls. B. M. Kozyrev and others. Opt. i spektr. 15 no. 5:625-635 N '63.

HYDRIDES—SPECTRA

Vibrational spectra of deuterium and tritium substituted nonlinear triatomic hydrides. V. P. Morozov. Opt. i spektr. 15 no. 5:617-621 N '63.

HYDROBIOLOGY see subdivision under Mozhaysk Reservoir, Ucha Reservoir

HYDROBROMIC ACID

Theory of nucleophilic additions. Part 12: Mechanism of the addition of hydrogen bromide to acetylene derivatives in acetic acid. G. F. Dvorko. Ukr. khim zhur 29 no. 11:1188-1192 '63.

HYDROCARBONS

Adsorption properties of molecular sieves during liquid phase sorption of hydrocarbons. I. A. Mikhailov, S. I. Lokitonova. Khim. i tekh. topl. i masel 8 no. 11:4-10 N '63.

Akademiia nauk SSSR. Institut neftekhimicheskogo sinteza. [Separation and analysis of hydrocarbon gases] Razdelenie i analiz uglevodorodnykh gazov; sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 231 p.

Dehydrogenation of alkyl aromatic hydrocarbons in a fluid-bed catalyst. IU. G. Mamedaliev and others. Azerb. khim. zhur. no. 3:11-18 '62.

Introduction of a iodoisopropyl group into aromatic hydrocarbons in the presence of sulfuric acid. IU. G. Mamedaliev, R. A. Babakhanov, M. N. Magerramov. Dokl. AN SSSR 152 no. 3:624-626 S '63.

Kinetics and the mechanism of catalytic hydrogenation in the liquid phase. Part 2: Some regularities in the hydrogenation of unsaturated hydrocarbons on a skeletal nickel catalyst. A. B. Fasman, D. V. Sokolʹskii. Kin. i kat. 4 no. 5:736-745 S-O '63.

Liquid-phase oxidation of hydrocarbons on solid semiconducting catalysts. I. I. Ioffe, N. V. Klimova. Kin. i kat. 4 no. 5:779-782 S-O '63.

Natural synthesis of crustal hydrocarbons. L. N. Kapchenko. Trudy VNIGRI no. 212. Geokhim. sbor. no. 1 41-56 '63.

"Petroleum drops" in mineral crystals. L. N. Kapchenko. Trudy VNIGRI no. 212. Geokhim. sbor. no. 8:57-65 '63.

Separation of acetylene from gases yielded during thermal oxidative pyrolysis of hydrocarbons by using a selective solvent. E. R. Shenderei, F. P. Ivanovskii. Khim. prom. no. 9:650-655 S '63.

HYDROCHLORIC ACID

Improvement of the evaporation of hydrochloric hydrolyzate [with summary in English on p. 195]. L. M. Grinshtein, O. V. Tyshchetskaia. Sbor. trud. NIIGS 11 41-48 '63.

Kinetics of liquid-phase hydrochlorination of acetylene in the presence of cuprous chloride. R. M. Flid and others. Kin. i kat. 4 no. 5:698-705 S-O '63.

Special features of the stripping of hydrogen chloride from thickened hydrolyzates by live steam [with summary in English on p. 164]. L. M. Grinshtein, O. V. Tyshetskaia. Sbor. trud. NIIGS 11:23-30 '63.

Stripping of hydrogen chloride from hydrochloric hydrolyzates at atmospheric pressure [with summary in English on p. 195]. L. M. Grinshtein, O. V. Tyshetskaia. Sbor. trud. NIIGS 11:31-40 '63.

HYDRODYNAMICS

Determination of a capillary pressure jump at the interface of two ponderable fluids on the basis of observed values of the traveling speed. A. Sh. Kazymov. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 4:121-125 '63.

Generalized regularity of the hydraulics of a fixed granular bed. G. M. Mikhailov, A. M. Nikolaev. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:861-865 '63.

Helium II as a quantum liquid. V. B. Strukov. Priroda 52 no. 10:24-31 '63.

IAkovleva, E. D. [Hydrodynamic resistance of banks of tubes in a transverse flow at Re numbers above 70,000] Gidrodinamicheskoe soprotivlenie poperechno-obtekaemykh puchkov trub pri chislakh Re>70,000. Moskva, In-t atomnoi energii AN SSSR, 1960. 39 p.

Laws governing small-size turbulent motions of liquids and gases. A. S. Monin, A. M. Iaglom. Usp. mat. nauk. 18 no. 5:93-114 S-O '63.

The motion of a flat deformable shape. IU. I. Faddeev. Trudy LKI. no. 36:39-48 '62.

Motion of a viscoplastic liquid in the entrance part of a tube. A. A. Mirzoian. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 4:65-73 '63.

HYDRODYNAMICS (Continued)

Solution of a problem concerning unsteady motion of a viscous incompressible liquid. G. T. Gasanov. Izv. AN Azerb. SSR. Ser. fiz. -mat. i tekh. nauk no. 4:75-84 '63.

Unsteady motion of a viscoplastic liquid between a rotating and a stationary coaxial cylinder. A. A. Abbasov. Izv. AN Azerb. SSR. Ser. fiz. -mat. i tekh. nauk no. 4:99-104 '63.

Unsteady plane-radial motion of a compressible liquid in an elastic inhomogeneous stratum. G. P. Guseinov, G. S. Kambarov. Izv. AN Azerb. SSR. Ser. fiz. -mat. i tekh. nauk no. 4:105-110 '63.

HYDROELECTRIC POWER STATIONS
(see also subdivision under Rumania; see also Bratsk Hydroelectric Power Station; Bukhtarma Hydroelectric Power Station; Kremenchug Hydroelectric Power Station; Volga Hydroelectric Power Station (Lenin); Volga Hydroelectric Power Station (22d Congress of the CPSU))

Brief survey of the bridgings of the beds of large plain rivers in the construction of hydroelectric power stations. IU. A. Fishman. Energ. stroi. no. 16:33-42 '60.

Conducting geodetic work in the installation of units of the Stalingrad Hydroelectric Power Station. T. S. Danilenko. Energ. stroi. no. 16:55-58 '60.

Determination of mean-cubic expenditure of water in the pressure entrances of hydroelectric power stations. D. S. Shchavelev. Izv. vys. ucheb. zav., energ. 6 no. 10:98-102 O '63.

Methodology for considering the effect of the decrease of water supply in the reservoir of a hydroelectric power station taking into account the coefficient of power efficiency. V. G. Zhuravlev. Izv. vys. ucheb. zav.; energ. 6 no. 10:103-105 O '63.

Operating conditions of electric stations of a power system in dry years. IU. E. Gutiev. Izv. AN Azerb. SSR. Ser. fiz. -mat. i tekh. nauk no. 4:53-57 '63.

Pressure losses in the lattices of water intakes of hydroelectric power stations. N. A. Palishkin. Izv. vys. ucheb. zav.; energ. 6 no. 9:99-103 S '63.

Stability of a certain nonlinear dynamic system (with summary in English). G. V. Alonovich. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4:801-809 '63.

Standardization of building sections of hydroelectric power stations. L. M. Ivashchenko, E. I. Ivashchenko. Energ. stroi. no. 16:16-21 '60.

They don't want it any other way... Nina Khrabrova. Ogonek 11 no. 42:22-23 O '63.

What makes a man happy. G. Strokov. Mol. komm. no. 9:3-11 S '63.

HYDROELECTRIC POWER STATIONS—COMMUNICATION SYSTEMS

Remote control and signaling device for time distributed codes with a short operating time. N. N. Sokolova. Trudy VNIIE no. 7:115-130 '58.

HYDROELECTRIC POWER STATIONS—WATER SUPPLY

Methods for the practical calculation of water supply guaranteed to hydroelectric power stations. V. P. Zakharov, V. IA. Kim, Sh. Ch. Chokin. Probl. gidroenerg. i vod. khoz. no. 1:10-52 '63.

HYDROFLUORIC ACID

Chemical reactions taken place during the interaction of silicon with hydrofluoric and nitric acid. M. M. Pirlutko. Zav. lab. 29 no. 10:1179-1180 '63.

Thermodynamic analysis of the process of condensation of hydrogen fluoride from its mixture with water vapor, hydrogen, and carbon monoxide. N. P. Galkin and others. Khim. prom. no. 9:666-669 S '63.

HYDROFOIL BOATS
(see also subdivision under Volga River)

Limiting the draft and the durability of winged ships. G. A. Chobyshev. Sudostroenie 29 no. 11:5-8 N '63.

Winged ships M. Hrytsan. Belarus' 20 no. 9:19 S '63.

HYDROGEN

Catalytic reduction of nitro derivatives by hydrogen. Part 1: Effect of certain factors on the activity and stability of nickel catalysts in the reduction of nitro derivatives by hydrogen in the liquid phase. K. N. Belonogov and others. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:781-786 '63.

Diffusion of hydrogen in cyclohexane at elevated pressure. N. E. Khazanova, L. P. Linshits. Khim. prom. no. 8:579-582 Ag '63.

Hydrogen circulation in aromatization catalytic processes. A. M. Aliev, V. S. Aliev. Azerb. neft. khoz. 40 no. 5:36-38 My '61.

Hydrogen in natural gases. Z. N. Nesmelova, E. A. Rogozina. Trudy VNIGRI no. 212, Geokhim. sbor. no. 6:27-35 '63.

Neutral hydrogen in the vicinity of the earth and in interplanetary space. V. G. Kurt. Usp. fiz. nauk 81 no. 2:249-270 O '63.

On the theory of low-temperature interaction between atomic hydrogen obtained in the gas phase and solid olefins. A. N. Ponomarev, V. L. Tal'roze, Kin. i kat. 4 no. 5:657-661 S-O '63.

Rate of ionization of hydrogen on active electrodes. M. B. Knaster, M. I. Temkin. Dokl. AN SSSR 152 no. 3:658-661 S '63.

The very first and the most mysterious. D. Trifonov. Znan. sila 38 no. 9:6-8 S '63.

HYDROGEN BONDING

Calculating the extension of the hydrogen bond in isotopic substitution in ice. V. A. Savel'ev, N. D. Sokolov. Fiz. tver. tela 5 no. 11:3273-3275 N '63.

Quantum effects in ferroelectric substances with hydrogen bonds. V. Kh. Kozlovskii. Fiz. tver. tela 5 no. 11:3284-3300 N '63.

HYDROGEN-ION CONCENTRATION

Dynamics of the change of the pH of xylose solution during the hydrogenation and degradation of xylose sugar in an alkaline medium [with summary in English on p. 166]. E. R. Leikin. Sbor. trud. NIIGS 11:86-93 '63.

Optimum conditions of pH and temperature for the hemagglutination reaction with the virus of Japanese encephalitis cultivated in tissues in vitro [with summary in English]. Duan Suan-myou. Vop. virus. 8 no. 2:176-180 Mr-Ap '63.

HYDROGEN PEROXIDE

Electrochemical determination of molybdenum based on the catalytic oxidation of iodide by hydrogen peroxide. R. K. Sharipov, O. A. Songina. Zav. lab. 29 no. 11:1283-1286 '63.

HYDROGEN SULFIDE

Production of certain thorium sulfides by the interaction of ThO_2 with hydrogen sulfide. G. V. Samsonov, G. D. Dubrovskaia. Atom. energ. 15 no. 5:428-430 N '63.

HYDROGENATION

Conversions of ethylene on aluminosilicate catalysts. S. V. Markevich. Kin. i kat. 4 no. 5:753-759 S-O '63.

Dynamics of the change of the pH of xylose solution during the hydrogenation and degradation of xylose sugar in an alkaline medium [with summary in English on p. 166]. E. R. Leikin. Sbor. trud. NIIGS 11:86-93 '63.

Hydrogenation on Pt and Pd during the feeding of the unsaturated compound at a uniform rate. A. M. Sokol'skaia, S. A. Riabinina, D. V. Sokol'skii. Dokl. AN SSSR 152 no. 5:1126-1129 O '63.

Kinetics and the mechanism of catalytic hydrogenation in the liquid phase. Part 2: Some regularities in the hydrogenation of unsaturated hydrocarbons on a skeletal nickel catalyst. A. B. Fasman, D. V. Sokol'skii. Kin. i kat. 4 no. 5:736-745 S-O '63.

Measurement of the gradient of hydrogen concentration in hydrogenation of solutions [with summary in English]. A. B. Fasman, L. P. Getmantseva, D. V. Sokol'skii. Zhur. fiz. khim. 37 no. 9:2100-2105 S '63.

Processing of whale oil. V. F. Gladkaia and others. Masl.-zhir. prom. 29 no. 11:43-46 N '63.

HYDROLOGY see subdivision under Uspenskoye Reservoir

HYDROLOGY—TABLES, CALCULATIONS, ETC. see subdivision under Ob' Valley

HYDROLYSIS

Additional means of increasing the efficiency of fodder yeast production from nonedible raw plant materials [with summary in English on p. 168]. A. I. Kozlov. Sbor. trud. NIIGS 11:157-163 '63.

Composition of semifinished products obtained in the preparation of crystalline glucose from wood [with summary in English on p. 165]. L. E. Emel'ianov, N. V. Lebedev, K. P. Vakhrusheva. Sbor. trud. NIIGS 11:66-72 '63.

Economics and prospects for the production of liquid and solid carbonic acid by the hydrolysis plants [with summary in English on p. 168]. A. I. Kozlov, V. G. Sokolova. Sbor. trud. NIIGS 11:148-156 '63.

Improvement of the evaporation of hydrochloric hydrolyzate [with summary in English on p. 165]. L. M. Grinshtein, O. V. Tyshchetskaia. Sbor. trud. NIIGS 11:41-48 '63.

Investigating the hydrolysis of starch-containing raw materials by means of enzymes in the manufacture of glucose products. G. V. Galkina. Trudy TSNIIKPP no. 6:48-62 '63.

Obtaining highly saccharified products by the method of double hydrolysis of starch. G. V. Galkina. Trudy TSNIIKPP no. 6:26-30 '63.

Selecting pentose-fermenting yeast for the hydrolysis industry. L. E. Denisenko. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:48-60 '63.

Special features of the stripping of hydrogen chloride from thickened hydrolyzates by live steam [with summary in English on p. 164]. L. M. Grinshtein, O. V. Tyshetskaia. Sbor. trud. NIIGS 11:23-30 '63.

State of and means of improving the economics of fodder yeast production from nonedible raw materials [with summary in English on p. 168]. A. I. Kozlov. Sbor. trud. NIIGS 11:139-147 '63.

Stripping of hydrogen chloride from hydrochloric hydrolyzates at atmospheric pressure [with summary in English on p. 165]. L. M. Grinshtein, O. V. Tyshetskaia. Sbor. trud. NIIGS 11:31-40 '63.

Treatment of sunflower seed shells in a continuous horizontal pilot hydrolyzer [with summary in English on p. 164]. V. A. Efimov, M. N. Molchanova, V. I. Sharkov. Sbor. trud. NIIGS 11:18-22 '63.

HYDROMETEOROLOGY

Short period disturbances of solar activity and the possible causes of the nonuniformity of their relationship with the oscillations of hydrometeorological elements. B. A. Sleptsov-Shevlevich. Probl. Arkt i Antark. no. 14 41-46 '63.

HYDROPEROXIDES

Chemiluminescence in slow chemical reactions. Part 3 Chemiluminescent method used for studying the kinetics of hydroperoxide accumulation in the reaction of catalyzed oxidation of ethylbenzene. I. V. Zakharov, V. IA. Shliapintokh. Kin. i kat. 4 no. 5:706-712 S-O '63.

HYDROTHORAX

Massive hydrothorax as a complication of liver diseases. M. S. Shneider. Kaz. med. zhur. no. 5:66-68 S-O '63.

HYDROXYL—SPECTRA

Rotational temperature of hydroxyl as observed in Turkmenistan. G. I. Salova. Izv. AN Turk. SSR. Ser. fiz. -tekh., khim. i geol. nauk no. 1:115-117 '62.

HYDROXYL GROUP

Determination of small amounts of water and hydroxyl groups by deuterium exchange and mass spectrometry [with summary in English]. L. T. Zhuravlev and others. Zhur. fiz. khim. 37 no. 9:2054-2061 S '63.

HYDROXYLAMINE

Chemico-analytical properties of N-furoylphenylhydroxylamine. A. T. Pilipenko, E. A. Shpak, I. P. Ruban. Ukr. khim. zhur. 29 no. 11:1209-1214 '63.

HYDROXYMETHYL GROUP

Hardening properties of compounds containing methylol (N-hydroxymethyl) groups. S. M. Levi, O. K. Smirnov. Trudy NIKFI no. 51:80-94 '62.

HYGIENE

Activity of the Section of Public Health Organization and Sanitary Statistics of the Leningrad Chapter of the All-Russian Scientific Society of Hygienists and Public Health Physicians. V. IA. Mikheikin. Sov. zdrav. 22 no. 7:93-94 '63.

Advice from "Zdorov'e." Zdorov'e 9 no. 10:30-31 O '63.

How do you feel? I. Dehen. Nauka i zhyttia 13 no. 10:60-61 N '63.

Increase in hygiene training for graduates of medical institutes. D. G. Deviatka. Sov. zdrav. 22 no. 7:18-19 '63.

HYGIENE, RURAL see Public health, Rural

HYPERBOLIC NAVIGATION

Selecting cartographic projections for modeling automatic course plotting in hyperbolic radio navigation systems on small vessels. B. A. Vul'fovich. Trudy TSNIIMF 8 no. 47:96-113 '63.

HYPERONS

Remarks on hyperon production in nucleon-nucleon collisions. V. A. Liul'ka. Izv. vys. ucheb. zav., fiz. no. 5:55-57 '63.

HYPERONS—DECAY

Beta-decay of Λ-hyperons and the spins of light hypernuclei. V. A. Filimonov. Izv. vys. ucheb. zav.; fiz. no. 3:89-97 '63.

HYPERSPACE

Complexes in hyperbolic space. N. I. Kovantsov. Sib. mat. zhur. 4 no. 5:1106-1119 S-O '63.

HYPERTENSION
(see also subdivision under Peiping)

Development of autoantigenic properties in experimental renal hypertension [with summary in English]. A. I. Prokhurovskii. Vrach. delo no. 11:39-43 N '63.

Diet of hypertension patients. M. S. Marshak. Fel'd. i akush. 28 no. 8:14-18 Ag '63.

Occupational characteristics of the incidence [with summary in English]. I. P. Mokerov. Klin. med. 40 no. 11:76-78 N '62.

Piriten treatment of hypertension patients [with summary in English]. M. N. Novikova. Vrach. delo no. 11:37-39 N '63.

Seasonal fluctuations of the amount of erythrocytes and hemoglobin in the blood of hypertension patients. P. G. Chirkii. Vrach. delo no. 11:130-131 N '63.

HYPERTENSION IN PREGNANCY

Book reviews. Fel'd. i akush. 28 no. 11:61-63 N '63.

HYPERTHYROIDISM

Acute stomach dilatation in a patient with thyrotoxicosis [with summary in English]. V. M. Mikhlin. Probl. endok. i gorm. 9 no. 5 76-78 S-O '63.

Adrenal pathology in thyrotoxicosis [with summary in English]. K. P. Grachova, V. A. Odinokova. Probl. endok. i gorm. 9 no. 5:71-74 S-O '63.

Changes in the liver during thyrotoxicosis. IU. L. Dozorets, A. A. Nikolaev. Zdrav. Bel. 9 no. 3 16-18 Mr '63

Determination of the functional state of the adrenal cortex in hyperthyroidism and thyroidectomy according to hematological indices [with summary in English]. K. P. Zak. Probl. endok. i gorm. 9 no. 5 19-21 S-O '63.

Functional state of the stomach in thyroid gland diseases; clinical studies. F. A. Nikolova. Probl. endok. i gorm. 9 no. 5 75-76 S-O '63.

Interaction of the thyroid gland and pancreas. M. L. Aviosor and others. Klin. med. 41 no. 7 137-136 Jl '63.

Preoperative care of patients with thyrotoxicosis [with summary in English]. A. A. Men'shov. Vest. khir. 91 no. 7-11-13 Jl '63.

Results of the treatment of thyrotoxicosis with I-131 using an abbreviated fractional method. N. I. Gol'dshtein, U. Z. Norkina. Kaz. med. zhur. no. 5:46-48 S-O '63.

State of the motor analysor and the orthostatic reflex in the hyperthyroid form of goiter. N. L. Riskin. Eksp. issl. po fiziol., biokhim. i farm. no. 3:107-117 '61.

HYPERTROPHY

Sabel'nikov, I. I. [Hypertrophy of the prostate gland] Gipertrofiia predstatel'noi zhelezy. Moskva, Medgiz, 1963. 215 p. (Biblioteka prakticheskogo vracha) (DNLM)

HYPHOMYCETES see subdivision under Ukraine

HYPNOTISM

Hypnotism in teaching? Tekh. mol. 31 no. 11,26 '63.

HYPOGLYCEMIA

Effect of caffeine in hypoglycemia. S. I. Bogoslovskaia. Probl. endok. i gorm. 9 no. 5:17-19 S-O '63.

Itsenko-Cushing syndrome in a patient with hypoglycemia. Probl. endok. i gorm. 9 no. 5:105-108 S-O '63.

HYPOPHOSPHITES

Reaction mechanism of nickel reduction by hypophosphite studied with the aid of deuterium as tracer. Part I: Solutions without organic additives [with summary in English]. A. A. Sutiagina, K. M. Gorbunova, M. P. Glazunov. Zhur. fiz. khim. 37 no. 9:2022-2026 S '63.

HYPOPHYSECTOMY

Mechanism of pathological bile secretion following a hypophysectomy. M. A. Medvedev. Trudy Khab. med. inst. 23 no. 2:68-70 '62.

HYPOTENSION

Direct effect of physical exercises on the muscular tonus and arterial pressure in hypotension. I. B. Temkin. Eksp. issl. po fiziol., biokhim. i farm. no. 3:93-98 '61.

Hypotensive states. N. S. Molchanov. Med. sestra 22 no. 11:11-15 N '63.

Use of hydrocortisone in acute hypotension [with summary in English]. V. E. Volkov. Vest. khir. 90 no. 6: 37-40 Je '63.

HYPOTHALAMUS

Effect of ganglieron and arpenal on the activity of cholinesterase in the individual cellular formations of the cutaneous-motor analyzer and hypothalamus in rabbits. M. G. Amadian. Izv. AN Arm. SSR. Biol. nauki 16 no. 10:13-22 O '63.

HYPOTHERMIA

Changes in some blood indicators in deep freezing of the extremities of animals (rabbits). M. I. Maslovskii. Trudy Khab. med. inst. 23 no. 2:91-93 '62.

HYSTERECTOMY

Cancer of the uterocervical stump after supravaginal amputation for fibromyoma. E. K. Khint. Vop. onk. 9 no. 7:111-117 '63.

HYSTERESIS

The Barkhausen effect at the approach of the hysteresis loop to a rectangle. L. V. Kirenskii, N. M. Salanskii, A. M. Rodichev. Fiz. met. i metalloved. 16 no. 4:630-632 O '63.

IAKHNOVSKII, I. T., 1883-

Underground work of a seaman in 1903 and 1904. I. IAkhnovskii. Voen.-ist. zhur. 5 no. 11:80-83 N '63.

IAKIR, IONA EMMANUILOVICH, 1896-1937

Years of fire. IU. Geller. Sov. voin 45 no. 12:16-17 Je '63.

IAKUSHKIN, IVAN DMITRIEVICH, 1793-1857

Pages from the field diary of the Decembrist I. D. IAkushkin, 1812. M. I. Perper. Ist. arkh. 8 no. 3:218-221 My-Je '62.

IANOVS'KYI, IURII, 1902-1954

Master of an iron rose. IUkhym Martych. Ukraina no 16-13-14 Ag '62.

IANUSHKEVICH, ADOL'F, 1803-1857

Revolutionary, scholar, and poet. A. Mal'dzis. Belarus' 20 no. 10:25 O '63.

IBARRURI, RUBEN, 1920-1942

Son of "Pasionaria" S. Dikhne. Ukraina no. 10-21 Ag '62.

IBERIAN PENINSULA—WORLD WAR, 1939-1945

Aggressive plans of fascist Germany in the Iberian Peninsula in 1942-1943. V. M. Glienaen. Vop. ist. 38 no. 11: 190-191 N '63.

IBRAGIMOV, MIRZA, 1911-

Dalgonian, S. K. [Mirza Ibragimov's prose] Proza Mirzy Ibragimova. Baku, Azerbaidzhanskoe gos. izd-vo, 1958. 193 p. (NNC)

ICE

(see also subdivision under Alasheyev Bight; Antarctic regions, Arctic Ocean; Arctic regions, Baltic Sea region, Danube River, Lazarev region, Antarctica, Onega, Lake)

Additional justification for the hypothesis of the constancy of absolute elongation in the disintegration of ice. V. V. Lavrov. Probl. Arkt. i Antark. no. 14 67-70 '63.

Numerical method for calculating the thickness and temperature of ice. IU. P. Doronin. Probl. Arkt. i Antark. no. 14:17-25 '63.

ICE-BREAKING VESSELS

Operational expenses of the liner icebreakers and the method of determining them. E. I. Pavskii. Probl. Arkt. i Antark. no. 14,33-39 '63.

ICE FISHING

On the first-formed ice. L. Uladzimirau. Belarus' 20 no. 10:30 O '63.

ICE ON RIVERS, LAKES, ETC.

Propagation of long gravity waves in the sea covered with pancake ice. D. E. Kheisin. Probl. Arkt. i Antark. no. 14-61-66 '63.

ICHNEUMON FLIES

(see also subdivision under Caucasus)

Ichneumon flies (Hymenoptera, Ichneumonidae) with the venation type of fore wings resembling that of Braconidae [with summary in English]. V. I. Tobias. Zool. zhur. 42 no. 10,1513-1522 '63.

IDEALISM

Some aspects of present-day idealism and the methodological problems of its critical evaluation. IU. A. Aseev. Nauch. dokl. vys. shkoly; filos. nauki 6 no. 5: 107-115 '63.

IDEALS (ALGEBRA)

Realizability of K-lineals. A. I. Veksler. Sib. mat. zhur. 4 no. 5 1166-1186 S-O '63.

Selecting the base in a T-ideal. V. N. Latyshev. Sib. mat. zhur. 4 no. 5:1122-1127 S-O '63.

IDENTIFICATION

Review of W. Schweisheimer's book "Identification of persons by means of voice spectrography" [in German]. N. N. Acherkan. Sud.-med. ekspert. 6 no. 4:58-59 O-D '63.

IDONIC ACID

Studying the conditions of the formation of idonate and gluconate [with summary in English]. R. M. Alieva. Vest. LGU 18 no. 21:148-151 '63.

IFEAGWU, CHUKUEMEKA OKEKE, 1921-

Chukuemeka Okeke Ifeagwu. Nov. vrem. 21 no. 51: 18 D '63.

IGNEOUS ROCKS see Rocks, Igneous

IGNIMBRITE see subdivision under Kureyka Valley; Lower Tunguska Valley

IKKOVO—COMMUNITY CENTERS

There is a lecture in our club today.... M. Kudin. Komsom. zhizn' no. 16:21 S '63.

ILEUM—TUMORS

Some clinical aspects of sarcomas of the jejunum and ileum. N. N. Kun. Vop. klin. pat. no. 2:69-80 '61.

ILI VALLEY—AFFORESTATION

Afforestation in the floodlands of the Ili River. G. Kh. Musin. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:74-82 S '63.

ILIAC ARTERY—DISEASES

Clinical aspects, diagnosis, and surgical treatment of atherosclerotic occlusions in the aortic bifurcation and iliac arteries. M. D. Kniazev. Zdrav. Bel. 9 no. 3: 6-13 Mr '63.

ILIUM—SURGERY

Surgical treatment and radiation therapy of lymphogranulomatosis. I. G. Peregudov. Vest. khir. 90 no. 6:119-120 Je '63.

ILLITERACY see subdivision under Latin America

IMIDAZOLE

Experience with peroral therapy of urogenital trichomoniasis with flagyl [with summary in English]. B. A. Teokharov, A. F. Anikin, V. M. Klinyshkova. Vest. derm. i ven. 37 no. 7-62-66 Jl '63.

IMMUNITY

Antistaphylococcal immunity in schizophrenia [with summary in English]. IU. A. Il'inskii. Vrach. delo no. 11:79-82 N '63.

Bactericidal properties of blood serum in typhoid fever [with summary in English]. V. M. Suponitskaia. Vrach. delo no. 11:90-93 N '63.

Bactericidal properties of the skin in some skin diseases. F. S. Malyshev. Trudy Khab. med. inst. 23 no. 2:96-101 '62.

Effect of nonspecific stimulations on immunogenesis. V. D. Kuchelenko, A. IA. Alymov. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1 46-50 '58.

Immunological reactivity and the typological characteristics of higher nervous activity. A. M. Monaenkov. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:133-140 '58.

Role of nervous reception in the development of antitoxic immunity against tetanus. A. S. Labinskaia. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:151-156 '58.

Role of phagocytosis in the mechanism of immunity in some rickettsioses, preliminary report. D. S. Arkhangel'skii. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7 250-257 '63.

Summation of immunizing stimulations in microintervals of time. D. F. Pleteityi, A. S. Labinskaia. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:141-145 '58.

Use of the hemagglutination inhibition reaction in the diagnosis of tick-borne encephalitis and in the detection of the immunological structure of the population in pseudo-foci [with summary in English]. IU. M. TSirkin, F. V. Krasovskii, V. V. Kuliabko. Med. paraz. i paraz. bol. 32 no. 5:567-572 S-O '63.

IMPELLERS

Technology of casting steel runners for the Bratsk Hydroelectric Power Station. N. D. Vasil'ev. Lit. proizv. no. 10:8-9 O '63.

IMPERATORIN

Treatment of vitiligo with meladinine. T. T. Tatzhibaev. Vest. derm. i ven. 37 no. 7:76-77 Jl '63.

INCENTIVES IN INDUSTRY

Book on material incentives. S. Sergeev. Sots. trud 8 no. 10:151-155 O '64.

Importance and role of planning in the sphere of material incentives. G. V. Mutsinov. Izv. vys. ucheb. zav.; prav. 7 no. 3:74-81 '63.

Increase material self-interest in work results. Objective bases and forms of material incentives. V. Medvedev. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 6:10-18 '63.

INCOME

(see also subdivision under Ukraine; United States)

Correlation between the growth of the national product and national income. A. Notkin. Vop. ekon. no. 10,3-16 O '03.

Rakov, IA. H. [Differential rent under socialism] Differentsial'naia renta pri sotsializme. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 80 p. (MH)

Vsesoiuznaia nauchnaia konferentsiia po voprosam planirovaniia i ucheta proizvodstva, raspredeleniia i ispol'zovaniia natsional'nogo dokhoda soiuznykh respublik, Erivan, 1961. [Problems in production planning and accounting, the distribution and use of the national income of the Union Republics] Voprosy planirovaniia i ucheta proizvodstva, raspredeleniia i ispol'zovaniia natsional'nogo dokhoda soiuznykh respublik; materialy. Red. kollegiia: M. A. Adonts i dr. Erevan, Akad. nauk Armianskoi SSR, 1962. 255 p. (MH)

INCUBATORS

How to improve the automatic control of incubators. K. Mandalaka. Tekh. v sel'khoz. 23 no. 10:32-35 O '63.

INDAN

Stereochemistry of hydrindan systems. Usp. khim 32 no. 10:1177-1200 O '63.

INDEX NUMBERS (ECONOMICS)

General utilization index of capital assets. R. Babadzhanian. Plan. khoz. 40 no. 12:77-78 D '63.

Vainshenker, D. I. [Statistics of industrial costs] Voprosy statistiki sebestoimosti promyshlennoi produktsii. Moskva, Gosstatizdat, 1963. 177 p.

INDEX NUMBERS (ECONOMICS)—CONGRESSES

Academic conference on methodological problems in comparing the basic indices of the U. S. A. and the U. S. S. R. Vop. ekon. no. 10 123-138 O '63.

INDIA—DESCRIPTION AND TRAVEL

Across irrigated India. P. IA. Kochina, N. A. Mosienko. Priroda 52 no. 10, 81-86 '63.

INDIA—ECONOMIC CONDITIONS

Blows to colonialism. V. Bol'shakov. Az. i Afr. seg. no. 12 21-23 D '63.

Kutsobin, P. V. [Present-day India; distribution of class and political forces] Sovremennaia Indiia, rasstanovka klassovykh i politicheskikh sil. Moskva, Politizdat, 1963. 125 p.

INDIA—INDUSTRIES

Kondrat'ev, V. A. [Industry of India, main trends in its development since 1947] Promyshlennost' Indii, osnovnye tendentsii razvitiia posle 1947 g. Moskva, Sotsgiz, 1963. 245 p.
(CSTmoR)

INDIA—MOHAMMEDANISM

Gordon-Polonskaia, L. R. [Moslem trends in the socio-political thought of India and Pakistan; criticism of "Moslem nationalism"] Musul'manskie techeniia v obshchestvennoi mysli Indii i Pakistana, kritika "Musul'manskogo natsionalizma." Moskva, Izd-vo vostochnoi lit-ry, 1963. 324 p.

INDIA—NATIONALITIES

D'iakov, A. M. [Nationality question in present-day India] Natsional'nyi vopros v sovremennoi Indii. Moskva, Izd-vo vostochnoi lit-ry, 1963. 104 p.

INDIA—POLITICS AND GOVERNMENT

Kutsobin, P. V. [Present-day India; distribution of class and political forces] Sovremennaia Indiia, rasstanovka klassovykh i politicheskikh sil. Moskva, Politizdat, 1963. 125 p.

INDIA—RELATIONS (GENERAL) WITH CENTRAL ASIA

Indian contacts with Central Asia in the second half of the 19th century. L. G. Dmitriev. Ist. arkh. 8 no. 3: 198-200 My-Je '62.

INDIA—SMUGGLING

The Walcott case. L. A. Nov. vrem. 21 no. 51:32-33 D '63.

INDIA—TECHNICAL ASSISTANCE, RUSSIAN

Blows to colonialism. V. Bol'shakov. Az. i Afr. seg. no. 12:21-23 D '63.

INDIA—WATER RESOURCES DEVELOPMENT

Across irrigated India. P. IA. Kochina, N. A. Mosienko. Priroda 52 no. 10:81-86 '63.

INDICTMENTS

Consideration of the indictment is an important stage of legal procedure. IE. Stepanov. Rad. pravo no. 6:67-70 N-D '63.

INDIUM

Indium in collaform cassiterite. G. N. Komarova, L. E. Novorossova. Trudy IMGRE no. 18:25-29 '63.

INDIUM ANTIMONIDES—ELECTRIC PROPERTIES

Some optical and electric properties of thin films of indium antimonide. V. A. Kas'ian, M. V. Kot. Izv. vys. ucheb. zav.; fiz. no. 5:14-20 '63.

INDIUM ANTIMONIDES—OPTICAL PROPERTIES

Some optical and electric properties of thin films of indium antimonide. V. A. Kas'ian, M. V. Kot. Izv. vys. ucheb. zav.; fiz. no. 5 14-20 '63.

INDIUM-ANTIMONY-TELLURIUM ALLOYS—THERMAL PROPERTIES

Thermal conductivity of InSb- In_2Te_3 alloys. M. I. Aliev, A. IU. Dzhangirov. Fiz. tver. tela 5 no. 11:3336-3341 N '63.

INDIUM ARSENIDES—MAGNETIC PROPERTIES

Negative magnetic resistance in n-type indium arsenide at low temperatures. N. V. Zotova, T. S. Lagunova, D. N. Nasledov. Fiz. tver. tela 5 no. 11:3329-3331 N '63.

INDIUM-TIN ALLOYS—CORROSION

Corrosion resistance of indium-tin alloys in sulfuric acid. I. D. Vdovenko, V. V. Bushin. Ukr. khim. zhur. 29 no. 11:1222-1223 '63.

INDOLACETIC ACID

Effect of gibberellin and other biologically active substances on potato viruses [with summary in English]. L. K. Zherebchuk. Mikrobiol. zhur. 25 no. 5:8-13 '63.

Formation of heteroauxin by soil actinomycetes [with summary in English]. K. I. Andriiuk, O. V. Vladymyrova. Mikrobiol. zhur. 25 no. 5:3-7 '63.

INDOLE

Use of tryptamine derivatives for studying the role of 5-oxytryptamine (serotonin) in the embryonic development of invertebrates. G. A. Buznikov. Dokl. AN SSSR 152 no. 5:1270-1272 O '63.

INDONESIA—COCONUT

Production of copra and utilization of coconut and palm oil in Indonesia. IU. P. Matsuk Masl.-zhir. prom. 28 no 10 38-40 O '62.

INDONESIA—DESCRIPTION AND TRAVEL

Islands on the other side of the equators. Serhii Borzenko. Ukraina no. 12:10-12 Je '62.

INDONESIA—ECONOMIC ASSISTANCE, AMERICAN

Shin, A. S. [American imperialism and Indonesia (1945-1962)] Amerikanskii imperializm i Indoneziia, 1945-1962. Moskva, Izd-vo vostochnoi lit-ry, 1963. 129 p.

INDONESIA—FOREIGN RELATIONS—RUSSIA

"The Soviet Union and Indonesia." Reviewed by A. P. Lavrent'ev. Vop. ist. 38 no. 11, 126-127 N '63.

INDONESIA—FOREIGN RELATIONS—UNITED STATES

Shin, A. S. [American imperialism and Indonesia (1945-1962)] Amerikanskii imperializm i Indoneziia, 1945-1962. Moskva, Izd-vo vostochnoi lit-ry, 1963. 129 p.

INDUCTION HARDENING

Heat treatment of parts of the fuel system. I. Sh. Svet. no. 6:16-18 N-D '63.

INDUSTRIAL ARTS

Triumph of golden hands. Znan. sila 38 no. 10:32-33 O '63.

INDUSTRIAL BUILDINGS

Balalaev, G. A., and N. A. Moshchanskii, eds. [Corrosion protection in the construction of industrial buildings] Zashchita ot korrozii v promyshlennom stroitel'stve. Moskva, Gosstroiizdat, 1963. 406 p. (Spravochnik po spetsial'nym rabotam)

Work of students of the industrial construction department. A. Fisenko. Arkhit. SSSR no. 1, 18-27 '62.

INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION

Experimental construction of industrial buildings and structures. E. Tatsii, V. Solov'ev. Prom. stroi. i inzh. soor. 5 no. 5, 23-26 S-O '63.

Standardization of industrial buildings in industrial and power-plant districts. A. Chechel'nitskii. Prom. stroi. i inzh. soor. 5 no. 5:17-23 S-O '63.

INDUSTRIAL CAPACITY

Bunich, P. G. [Current problems in the efficient utilization of productive capacity and capital assets] Aktual'nye voprosy effektnogo ispol'zovaniia proizvodstvennykh moshchnostei i osnovnykh fondov. Moskva, Ekonomizdat, 1963. 68 p. (Obsluzhivaem problemy sovershenstvovaniia planirovaniia, no. 3)

INDUSTRIAL COSTS see Costs, Industrial

INDUSTRIAL EFFICIENCY see Efficiency, Industrial

INDUSTRIAL ELECTROCHEMISTRY see Electrochemistry, Industrial

INDUSTRIAL EQUIPMENT—LUBRICATION

Organization of the lubrication unit. A. I. Lakovlev. Mashinostroitel' no. 10:10-12 O '63.

INDUSTRIAL EQUIPMENT—QUALITY CONTROL

Improving the quality of the means of production. B. Kapitonov. Vop. ekon. no. 10:38-44 O '63.

INDUSTRIAL HYGIENE
(see also subdivision under Moscow Government)

Brief news. Gig. truda i prof. zab. 7 no. 1:61-62 Ja '63.

Hygienic evaluation of working conditions with SHF generators. Z. V. Gordon. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:22-26 '60.

Organization of pyodermatitis control in industry. E. K. Bogdanova, K. I. Romanova, A. D. Shmakov. Gig. truda i prof. zab. 7 no. 1:50-51 Ja '63.

Parameters of SHF fields determining the hygienic evaluation of working conditions and the problems of their measurement. V. G. Knorre. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:11-21 '60.

Problems of industrial hygiene and occupational pathology in the Sanitary and Hygienic Conference of the R. S. F. S. R. M. M. Gimadeev. Kaz. med. zhur. no. 5: 110-112 S-O '63.

Protection from radiation in working with SHF generators. B. M. Belitskii, K. G. Knorre. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:107-117 '60.

Recommendations for conducting preliminary and periodical medical examinations of those working with sources of SHF. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:118-120 '60.

State of the nervous system under the effect of SHF. M. N. Sadchikova. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:32-35 '60.

INDUSTRIAL HYGIENE—ABSTRACTS see subdivision under Czechoslovakia

INDUSTRIAL HYGIENE—LAW AND LEGISLATION

Temporary sanitary regulations for working with SHF generators. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:121-214 '60.

INDUSTRIAL HYGIENE—PERIODICALS

Tasks of the journal "Gigiena truda i professional'nye zabolevaniia" in 1963. Gig. truda i prof. zab. 7 no. 1, 3-4 Ja '63.

INDUSTRIAL LAWS AND LEGISLATION see subdivision under Lithuania

INDUSTRIAL MANAGEMENT
(see also subdivision under Chelyabinsk; Kazakhstan, Rostov Province, Tyumen' Province; United States)

Daily economic analysis of enterprise operations. I. Karakoz. Bukhg. uchet 29 no. 9 25-26 S '63.

Establishing norms for the number of personnel with the aid of the theory of probabilities. M. Zaichik. Sots. trud 8 no. 10, 89-99 O '63.

From practice in preparing matrix models for planning in the White Russian S. S. R. S. Malinin, M. Ippa, IU. Rozental'. Plan. khoz. 40 no. 12:48-52 D '63.

Karakoz, I. I. [Daily economic analysis of the work of enterprises] Ezhednevnyi ekonomicheskii analiz raboty predpriiatii. Moskva, Gosfinizdat, 1963. 86 p.

Kull, E. [Planning in industrial enterprises] Planeerimine tööstusettevõtetes. Tallinn, Eesti Riiklik Kirjastus, 1962. 335 p. [In Estonian]

Learn administration and management. Sov. profsoiuzy 19 no. 18:1-3 S '63.

Omarov, A. M. [School of management] Shkola khoziaistvovaniia. [Moskva] "Molodaia gvardiia," 1963. 302 p.

Party control of the national economy. Kommunist 40 no. 16:3-12 N '63.

Production planning and the responsibility for fulfilling plans. N. Belov. Plan. khoz. 40 no. 12:74-75 D '63.

Public participation in the administration of industry. N. Zolotarev. Kommunist 40 no. 16:70-78 N '63.

Rostov-on-Don. Finansovo-ekonomicheskii institut. [Collection of exercises on analyzing the economic operations of enterprises] Sbornik uprazhnenii po analizu khoziaistvennoi deiatel'nosti predpriiatii; dopushcheno v kachestve uchebnogo posobiia. Moskva, Gosfinizdat, 1962. 222 p.
(NIC)

Unification of planning documentation of industrial enterprises. N. Makhrov. Plan. khoz. 40 no. 12:52-57 D '63.

Utilization analysis of production funds. E. Liberman, S. Galuza. Bukhg. uchet 29 no. 9, 19-25 S '63.

We are discussing Professor I. M. Razumov's article "Production needs an engineer-organizer." Sots. trud 8 no. 10:47-55 O '63.

We should efficiently manage our industrial enterprises and build our construction projects. Part. zhizn' [Uzb.] 5 no. 10:17-22 O '62.

INDUSTRIAL MANAGEMENT—BIBLIOGRAPHY see Bibliography—Industrial management

INDUSTRIAL MANAGEMENT—MATHEMATICAL MODELS

Optimization of production planning [with summary in English]. IU. V. Glebskii. Izv. vys. ucheb. zav.; radiofiz. 6 no. 5, 1033-1051 '63.

INDUSTRIAL ORGANIZATION
(see also subdivision under Kazakhstan; Leningrad Economic region; Lvov Province)

Cooked-food factory makes discounts. V. Nedoluzhko, P. Deineko. Obshchestv. pit. no. 9:44-46 S '63.

For a better organization of production administration. N. Izvol'skaia. Sots. trud 8 no. 10:40-48 O '63.

Gromov, V. I. [Developing specialization and cooperation in the industry of an economic region] Razvitie spetsializatsii i kooperirovaniia v promyshlennosti ekonomicheskogo raiona. Moskva, Ekonomizdat, 1963. 218 p.

Improving production in an enterprise as a form to manifest the substance of the production relations of socialism. M. P. Osad'ko. Vest. Mosk. un. Ser. 8: Ekon., filos. 18 no. 6:15-26 N-D '63.

Kamenitser, S. E., V. G. Kontorovich, and G. A. Pishchulin. [Organization and planning of an industrial enterprise] Organizatsiia i planirovanie promyshlennogo predpriiatiia; uchebnik 3., perer. i dop. izd. Moskva, Gospolitizdat, 1963. 608 p.

"Malak" Firm is a Lvov industrial combine. V. IA. Kamenetskii. Shvein. prom. no. 5:7-14 S-O '63.

On the problem of firms. E. Utkin. Vop. ekon. no. 10: 27-37 O '63.

Ponizov, T. I. [Industrial production administration in the U. S. S. R.] Upravlenie promyshlennym proizvodstvom v SSSR. Moskva, Ekonomizdat, 1963. 219 p.

Radomyseľskii, M. I., and I. A. Shifrin. [Firms are a new form of industrial administration] Firmy — novaia forma upravleniia proizvodstvom. Moskva, Ekonomizdat, 1963. 123 p.

INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION
see subdivision under Kazakhstan

INDUSTRIAL POWER TRUCKS

Ship movement on trucks with a centralized lifting system. A. K. Kazarin, B. E. Komkov. Sudostroenie 29 no. 10:62 O '63.

INDUSTRIAL PROCUREMENT

Simplify document forms in the supply of materials and equipment. A. Morozov. Bukhg. uchet 29 no. 11:46-49 N '63.

INDUSTRIAL RELATIONS see subdivision under Leningrad

INDUSTRIAL RESEARCH see Research, Industrial

INDUSTRIAL SAFETY

Balbarin, P. P., and S. A. Putiaev. [Industrial safety committee of the factory and plant local committee] Komissiia FZMK po okhrane truda. [Moskva] Profizdat, 1963. 61 p. (Bibliotechka profsoiuznogo aktivista, no. 12(60))

Zlobinskii, B. M., and others. [Principles of safety engineering; laboratory work] Osnovy tekhniki bezopasnosti, laboratornye raboty. Izd. 2., perer. i dop. Moskva, Metallurgizdat, 1963. 92 p.

Zlobinskii, B. M., ed. [Investigations and tests] Issledovaniia i ispytaniia; spravochnoe posobie. Moskva, Metallurgizdat, 1964. 387 p. (Bezopasnost' truda na proizvodstve)

INDUSTRIAL SAFETY—LAW AND LEGISLATION

[Collection of the most important regulations and rules on industrial safety and accident prevention] Okhrana truda i tekhnika bezopasnosti; sbornik vazhneishikh postanovlenii i pravil. Izd. 2., dop. Moskva, Izd-vo "Juridicheskaia literatura," 1963. 654 p.

Russia (1923- U.S.S.R.) Laws, statutes, etc. [Industrial safety; a collection of rules and regulations] Okhrana truda; sbornik postanovlenii i pravil. [Moskva] Profizdat, 1963. 254 p.

INDUSTRIAL TELEVISION

Use of television in the machinery industry. O. D. Bychkov. Mashinostroenie no. 5:119-121 S-O '63.

INDUSTRIAL TELEVISION—EQUIPMENT AND SUPPLIES

Standardized industrial VK-12 video control device. G. M. Bogdanov, V. I. Zubov. Tekh. kino i telev. 7 no. 10:50-55 O '63.

Synchronizing generator of the industrial television system (with summary in English on p. 95). P. M. Kopylov. Tekh. kino i telev. 7 no. 10:46-49 O '63.

INDUSTRIAL TOXICOLOGY

Study of the blood in sanitary evaluation of the toxicological characteristics of substances used in the production of synthetic rubber. R. I. Volchkova. Trudy Vor. med. inst. 47:53-56 '62.

Use of the fluorescence method in determining harmful substances in industrial sanitary chemistry. M. A. Klisenko. Trudy Vor. med. inst. 47:108-109 '62.

INDUSTRIAL WASTES

Accounting for industrial wastes. A. Kopel'ko, P. Frizen. Bukhg. uchet 29 no. 10:42-43 O '63.

Accounting for industrial wastes. N. Baranov. Bukhg. uchet 29 no. 5:19-21 My '63.

Denshchikov, M. T. [Use of industrial waste waters for the production of feed yeasts] Ispol'zovanie promyshlennykh stochnykh vod dlia proizvodstva kormovykh drozhzhei. Moskva, Pishchepromizdat, 1963. 22 p.

Improve the accounting for losses due to waste. V. Geller. Bukhg. uchet 29 no. 10:65-66 O '63.

Role of industrial waste in the development of allergic diseases [with summary in English]. M. V. Khryzhanovskaia. Vrach. delo no. 11:111-113 N '63.

Sanitary protection of the biosphere, the most important problem of modern hygienic science. V. A. Pokrovskii. Trudy Vor. med. inst. 47:5-8 '62.

INDUSTRIAL WASTES—ANALYSIS

Amount of acid waters formed in the manufacture of fatty acids. L. A. Alferova and others. Masl.-zhir. prom. 29 no. 11:40-43 N '63.

Colorimetric method for determining furfurole in the products and waste water of the selective purification of oils. A. A. Kiazimov, Z. V. Khaldei, IU. I. Khar'kovskii. Khim. i tekh. topl. i masel 8 no. 11:61-64 N '63.

INDUSTRIAL WASTES—PURIFICATION

Device for the removal of harmful wastes in the production of "oksol" drying oil. G. K. Premet and others. Masl.-zhir. prom. 29 no. 10:30-33 O '63.

Industrial purification of waste water by flotation. V. G. Perevalov, B. I. Karapaev. Khim. i tekh. topl. i masel 8 no. 11:39-43 N '63.

Permissible concentration limit of alkyl benzenesulfonates and alkyl sulfonates in water reservoirs. V. F. Garshenin. Masl.-zhir. prom. 29 no. 10:20-23 O '63.

The purity of water reservoirs depends on us. Bum prom. 38 no. 11:1-2 N '63.

Use of a fluidized bed of cation exchangers for the removal of nonferrous and heavy metals from waste waters. L. A. Kul'skii, IA. M. Zagrai, A. M. Koganovskii. Ukr. khim. zhur. 29 no. 11:1228-1232 '63.

Water utilization and purification of waste waters at the Novo-Gor'kovskiy petroleum refinery. M. S. Matveev. Khim. i tekh. topl. i masel 8 no. 11:35-39 N '63.

INDUSTRIES, LOCATION OF

Birman, I. IA., and L. E. Mints, eds. [Mathematical methods and the problems of production distribution] Matematicheskie metody i problemy razmeshcheniia proizvodstva. Moskva, Ekonomizdat, 1963. 347 p.

Distribution of the branches of the national economy and formation of regional economic complexes. A. N. Telepko. Izv. Vses. geog. ob-va 95 no. 5 395-399 S-O '63.

Electrification and the distribution of productive forces. V. Shelest, I. Krapchin. Plan. khoz. 40 no. 12:85-89 D '63.

In the Department of Economic Geography. N. T. Agafonov. Izv. Vses. geog. ob-va 95 no. 5:476-478 S-O '63.

INDUSTRY—ABSTRACTS

[Economics of industry] Ref. sbor.: Ekon. prom. no. 12 D '63. Predmetnyi ukazatel' za 1962 g.

INDUSTRY—BIBLIOGRAPHY see Bibliography—Industry

INDUSTRY AND ART see Art and industry

INEQUALITIES (MATHEMATICS)

Convolution of finite systems of linear inequalities. S. N. Chernikov. Dokl. AN SSSR 152 no. 5:1075-1078 O '63.

Haar's theorem on infinite systems of linear inequalities. S. N. Chernikov. Usp. mat. nauk. 18 no. 5:199-200 S-O '63.

Inequalities for polynomials and rational functions. R. G. Mamedov. Dokl. AN SSSR 152 no. 5:1058-1060 O '63.

INERTIAL NAVIGATION

IAkushenkov, A. A. [Principles of inertial navigation] Osnovy inertsial'noi navigatsii. Moskva, Izd-vo "Morskoi transport," 1963. 145 p.

INFANTRY DRILL AND TACTICS

Student of the company. G. Kotlyhaev. Voen. vest. 43 no. 10:60-61 O '63.

INFANTS

Differential diagnosis of live-born and stillborn infants by the method of emission spectrum analysis. G. A. Pashinian. Sud.-med. ekspert. 6 no. 4:30-32 O-D '63.

INFANTS—DISEASES

Results of surgical treatment of pathological dislocations of the hip following infantile coxitis. N. D. Matskevich. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:33-40 '59.

Two cases of congenital neurogenic intestinal obstruction. A. G. Neskorodova. Pediatriia 41 no. 7:70-71 Jl '63.

INFANTS—NUTRITION

Khokhol, E. N., and P. V. Golovin, eds. [Ionized milk; its preparation and use] Ionitnoe moloko; izgotovlenie i primenenie. [By] E. N. Khokhol i dr. 2. izd. perer. i dop. Kiev, Gosmedizdat USSR, 1963. 150 p. (DNLM)

INFANTS (NEWBORN)
(see also subdivision under Moscow)

Basic indices of the physical development in newborn infants in Dzerzhinsk. L. I. Maksimova, A. G. TSeitlin. Pediatriia 41 no. 7:54-56 Jl '63.

INFANTS (NEWBORN)—DISEASES

Casuistics of embryonal hernias. A. M. Minasian. Vest. khir. 91 no. 7:79 Jl '63.

Desquamative erythroderma in newborn infants (Leiner's disease). IA. E. Atlas. Fel'd. i akush. 28 no. 8:28-32 Ag '63.

Extensive congenital skin defects in newborn infants. V. A. Kuznetsov, R. A. Kukhtinova, P. G. Soroka. Akush. i gin. 39 no. 4:134-136 Jl-Ag '63.

Hamman-Rich syndrome in newborn infants. M. F. Doshchekina, N. N. Il'iash. Pediatriia 41 no. 7:64-66 Jl '63.

Surgical treatment of ovarian cysts in newborn infants. K. L. Dreier, E. A. Suslennikova. Pediatriia 41 no. 7:68-70 Jl '63.

Treatment of a congenital dislocation of the hip in newborn infants. N. D. Matskevich, V. G. Chetaeva. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:95-100 '59.

INFANTS (NEWBORN)—MORTALITY

Perinatal mortality and problems of the antenatal protection of the fetus [with summary in English]. M. A. Petrov-Maslakov. Akush. i gin. 39 no. 4 99-106 Jl-Ag '63.

Role of midwives in reducing perinatal infant mortality. P. V. Styrikovich. Zdravookhranenie 6 no. 5 12-15 S-O '63.

Stillbirth and early mortality of infants by colling of the umbilical cord. V. I. Davydov, V. S. Voronin. Kaz. med. zhur. no. 5:62-63 S-O '63.

INFANTS (PREMATURE)

Management of premature labor in transverse position of the fetus (with summary in English). M. I. Lipkin. Akush. i gin. 39 no. 4 81-85 Jl-Ag '63.

INFECTION

Neural compensation in an infectious process and asymptomatic infection. O. IA. Ostryi, Z. I. Sobieva. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:23-36 '58.

Retrograde irritations in physiology and their importance in the processes of infectious pathology. O. IA. Ostryi, Z. I. Sobieva, A. N. Aliev. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:8-22 '58.

INFLAMMABLE MATERIALS

Inflammable properties of tea. G. Kalzhilashvili. Pozh. delo 9 no. 10:15 O '63.

INFLORESCENCE

Some features of phosphorus distribution in corn during the development of reproductive organs. V. G. Zemskii. Dokl. TSKHA no. 47:103-108 '59.

INFLUENZA
(see also subdivision under Khabarovsk; Minsk)

Unusual case of influenza. V. M. Matiugin. Zdrav. Bel 9 no. 3 86-87 Mr '63.

INFLUENZA—PREVENTIVE INOCULATION

Fundamental results of the study of the live anti-influenza vaccine [with summary in English]. A. A. Smorodintsev. Klin. med. 40 no. 11:33-39 N '62.

INFLUENZA VIRUSES

Effect of antibodies and inhibitors on the virus-cell system [with summary in English] Z. I. Rovnova and others. Vop. virus. 8 no. 2 150-155 Mr-Ap '63.

Effect of homologous and heterologous immune serums on the development of virus infection [with summary in English] N. M. Gruzdeva, P. N. Kostakov. Vop. virus 8 no. 2 163-167 Mr-Ap '63.

Identification of atypical strains of a conjectural influenza B virus isolated during the 1962 epidemic [with summary in English]. V. D. Solov'ev and others. Vop. virus. 8 no. 2:199-204 Mr-Ap '63.

Materials on the experimental study of the pathogenesis of mixed infection(viral and bacterial); preliminary report. Kh. Zh. Zhumatov, M. I. Bisenova. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:243-249 '63.

Study of the conditions of influenza virus adsorption by permutite [with summary in English]. IE. IE. IEfimov. Mikrobiol. zhur. 25 no. 5:24-28 '63.

INFORMATION SERVICES
(see also subdivision under Ivanovo Economic region; Kostroma, Kurgan Economic region; Leningrad Economic region; Moscow Economic region; Omsk Economic region, Rostov Economic region; Scandinavia, Yakut Economic region)

Analysis of the effectiveness of using scientific and technological information. O. E. Buryi-Shmar'ian. Opyt rab. po tekh. inform. i prop. no. 2:3-8 '63.

Brief news. NTI no. 9:49-50 '63.

Concise results of the inspection contest for the title of best enterprise for providing technological information and propaganda during 1961-1962. NTI no. 9:15-16 '63.

Consultations. Opyt rab. po tekh. inform. i prop. no. 1: 54-55 '63.

Defining the concept "information." V. A. Polushkin. NTI no. 9:6-8 '63.

In the State Committee of the Council of Ministers of the R. S. F. S. R. on Coordination of Research Work. Opyt rab. po tekh. inform. i prop. no. 1:56 '63.

In the State Committee of the Council of Ministers of the R. S. F. S. R. on Coordination of Research Work. Opyt rab. po tekh. inform. i prop. no. 2:36 '63.

Information work in a research institute. N. N. Spitsin. Opyt rab. po tekh. inform. i prop. no. 1:30-31 '63.

The June Plenum of the Central Committee of the CPSU and the tasks before the workers in the information services. NTI no. 9:3-5 '63.

Organization of the control of the use of information and the calculation of effectiveness. G. I. Gol'dgamer. Opyt rab. po tekh. inform. i prop. no. 1:8-11 '63.

Organizing competition for the honor of best enterprise providing technological information and propaganda. T. I. Mel'nikova. Opyt rab. po tekh. inform. i prop. no. 3:22-23 '63.

INFORMATION SERVICES (Continued)

Public office of design at the Saratov Regional Electric Power Plant. I. D. Shmaidor. Opyt rab. po tekh. inform. i prop. no. 1 50-52 '64.

Public office of design in operation. N. A. Ur'eva. Opyt rab. po tekh. inform. i prop. no. 1,52-53 '63.

Reference and information card catalog in a design office. S. P. Liat-skii. Opyt rab. po tekh. inform. i prop. no. 3: 28-32 '63.

Reference and information collections for all organs of technological information. Opyt rab. po tekh. inform. i prop. no. 1, 3-4 '63.

INFORMATION STORAGE AND RETRIEVAL SYSTEMS

Multiple synchronous accumulation of impulse signals. M. I. Finkel'shtein. Radiotekhnika 18 no. 10, 15-21 O '53.

INFORMATION STORAGE AND RETRIEVAL SYSTEMS—SPECTROCHEMISTRY

Chemical code for retrieval of spectrochemical information. V. T. Alekseenkan and others. NTI no. 9 17-21 '53.

INFORMATION THEORY

Analysis of linear systems and nonstationary processes. IA. P. Dragan, IA. A. Dubrov, V. N. Mikhailovskii. Vop. pered. inform. 2, 29-43 '63.

Application of the information theory to mathematical statistics. IU. V. Linnik. Izv. AN SSSR. Tekh. kib. no. 5:102 S-O '63.

Application of the theory of random processes in radio engineering. B. R. Levin. Izv. AN SSSR. Tekh. kib. no. 5:103-107 S-O '63.

Boxyl, N. D. [Communication channels] Kanaly sviazi. Kiev, Gostekhizdat USSR, 1963. 391 p.

Carrying capacity of a multipath system. I. A. Ovseevich. Probl. pered. inform. no. 14:43-56 '63.

Correction of separate erasure packs using block codes. E. L. Blokh, O. V. Popov. Probl. pered. inform. no. 14 101-113 '63.

Device for signal time spectrum compression. IU. S. Trakhtsa. Izv. vys. ucheb. zav.; radiotekh. 6 no. 5:483-489 S-O '63.

Discrete converters of continuous signals. A. N. Svenson, G. D. Fedorichenko-Tikhii. Vop. pered. inform. 2:113-128 '63.

Distribution of quasiharmonic noise envelope maxima. V. I. Tikhonov. Izv. vys. ucheb. zav.; radiotekh. 6 no. 5:537-542 S-O '63.

Evaluation of the coefficients of the linear combination of defined functions in the presence of noise with rational spectra. M. I. Fortus, A. M. IAglom. Probl. pered. inform. no. 14:130-156 '63.

Gaussian sources. M. S. Pinsker. Probl. pered. inform. no. 14:59-100 '63.

An inequality for entropy. A. S. Rubanov. Dokl. AN BSSR 7 no. 5:317-319 My '63.

Information and training. A. P. Mitskevich. Fiz. v shkole 23 no. 3:9-18 My-Je '63.

Kharkevich, A. A. [Control of radio interference] Bor'ba s pomekhami. Moskva, Fizmatgiz, 1963, 274 p.

Mathematical principles of the theory of communication. M. S. Pinsker. Izv. AN SSSR. Tekh. kib. no. 5:79-81 S-O '63.

Mathematical theory of random functions. A. M. IAglom. Izv. AN SSSR. Tekh. kib. no. 5:107-112 S-O '63.

Mean number of overshoots in an n-threshold device. IU. A. Kashin. Radiotekhnika 18 no. 10:10-14 O '63.

Method for compressing the speech signal spectrum in multichannel communication systems. A. N. Svenson, A. A. Smerdov. Vop. pered. inform. 2:92-97 '63.

Methods for signal volume conversion. A. N. Svenson. Vop. pered. inform. 2:66-71 '63.

Optimum distribution of energy in light of signal detection in noise with simultaneous measurement of their parameters. V. P. Perov. Izv. AN SSSR. Tekh. kib. no. 5:62-73 S-O '63.

Optimum linear pre-emphasis and compensation. I. A. Ovseevich. M. S. Pinsker. Izv. AN SSSR. Tekh. kib. no. 5:54-61 S-O '63.

Part 1: General survey of papers. V. I. Siforov, B. S. TSybakov. Izv. AN SSSR. Tekh. kib. no. 5:74-78 S-O '63.

Photoelectric storage method for improving noise control. V. N. Mikhailovskii, V. N. Pervushin. Vop. pered. inform. 2:120-133 '63.

Quantization with minimal entropy. V. N. Koshelev. Probl. pered. inform. no. 14:151-156 '63.

Some binary codes with maximum weight combinations. L. D. Kislink. Radiotekh. i elektron. 8 no. 12:1963-1971 D '63.

Some general properties of linear converters. IA. P. Dragan, IA. A. Dubrov, V. N. Mikhailovskii. Vop. pered. inform. 2:5-28 '63.

Some problems for steady-state processes leading to integral equations related to Wiener-Hopf equations. V. F. Pisarenko, IU. A. Rozanov. Probl. pered. inform. no. 14:113-135 '63.

Some properties of functions with limited Fourier spectrum. IA. P. Dragan. Vop. pered. inform. 2:44-54 '63.

Some studies on the theory of communication in systems of regulation and control. V. A. Il'in, G. A. Shastova Izv. AN SSSR Tekh. kib. no. 5:112-113 S-O '63

Some views underlying the mechanism of creative processes. A. A. Kharkevich. Probl. pered. inform. no. 14: 157-159 '63.

Statistical characteristics of a speech signal transmission process in a channel with regulated bandpass. A. N. Svenson, A. A. Smerdov. Vop. pered. inform. 2:98-112 '63.

Survey of speech bandwidth compression methods. A. A. Smerdov. Vop. pered. inform. 2:72-91 '63.

Theory of coding. Study of probability error in optimum transmission techniques. R. L. Dobrushin. Izv. AN SSSR Tekh. kib. no. 5:81-84 S-O '63.

[Theory of optimum coding] Sources of communications. M. S. Pinsker. Probl. pered. inform. no. 14:5-20 '63.

Theory of optimum radio reception techniques. L. S. Gutkin. Izv. AN SSSR. Tekh. kib. no. 5:84-89 S-O '63.

Theory of optimum transmission through a channel with fading and new methods for transmission. N. T. Petrovich, L. M. Fink. Izv. AN SSSR. Tekh. kib. no. 5:89-95 S-O '63.

Theory of the transmission of images. B. S. TSybakov. Izv. AN SSSR. Tekh. kib. no. 5:95-98 S-O '63.

Transmission of information with additional noise. R. L. Dobrushin, B. S. TSybakov. Probl. pered. inform. no. 14:21-42 '63.

INFORMATION THEORY IN BIOLOGY

Some frequency transformations studied on the models of neurons [with summary in English]. V. A. Ganzen, R. M. Granovskaia. Vest. LGU 18 no. 21:155-160 '63.

INFRARED SPECTRUM see Spectrum, Infrared

INGOT MOLDS

Rapid top pouring of rimmed steel into ribbed ingot molds. E. A. Efimov and others. Metallurg 8 no. 11 17-19 N '63.

INHIBITION

Protective importance of neural inhibition in intoxication. V. N. Solov'ev. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:37-47 '58.

INHIBITION (CHEMISTRY)

Chemiluminescent method for determining the inhibitors of free radical reactions [with summary in English]. O. N. Karpukhin and others. Zhur. anal. khim. 18 no. 8:1021-1025 Ag '63.

A new non-hydrazine inhibitor of monoamine oxidase. V. Z. Gorkin and others. Dokl. AN SSSR 153 no. 2: 468-469 N '63.

INJURIES FROM ELECTRICITY see Electricity, Injuries from

INKERMAN REGION—ANTIQUITIES

Archaeological work in the Inkerman region. IE. V. Veimarn. Arkheol. pam. URSR 13:15-89 '63.

INKERMAN VALLEY—ANTIQUITIES

Archaeological map of the Inkerman Valley. N. P. Kateur. Arkheol. pam. URSR 13:7-14 '63.

INKERMAN VALLEY—ARCHAEOLOGY

Foreword. Arkheol. pam. URSR 13:3-6 '63.

INKERMAN VALLEY—CRANIOLOGY

Anthropological materials from the Inkerman Valley burial mounds. K. F. Sokolova. Arkheol. pam. URSR 13:124-160 '63.

INKERMAN VALLEY—MOUNDS

Anthropological materials from the Inkerman Valley burial mounds. K. F. Sokolova. Arkheol. pam. URSR 13:124-160 '63.

The Cernaya River burial mound. V. P. Babenchykov. Arkheol. pam. URSR 13:90-123 '63.

INLAND NAVIGATION

Consider the interests of the river fleet in operating complex hydraulic engineering systems. L. Kuskov. Rech. transp. 22 no. 10:38-40 O '63.

Handling large-tonnage vessels navigating along canals. L. Kariskin. Rech. transp. 22 no. 11:47-48 N '63.

Orientation method on rapid ships. S. Olshamovskii. Rech. transp. 22 no. 10:46-48 O '63.

INLAND NAVIGATION—COLD WEATHER CONDITIONS

Result of investigations on prolonging the navigation season. A. Chekrenev, V. Balanin, B. Antonov. Rech. transp. 22 no. 11:39-41 N '63.

INLAND WATER TRANSPORTATION

Attaching a group of sister ships to a group of cargo lines. K. Liakhov. Rech. transp. 22 no. 11:18-19 N '63.

Developing rapid transportation in the Volga River Basin. K. Korotkov. Rech. transp. 22 no. 11 16-17 N '63.

From the editors' briefcase. Rech. transp. 22 no. 10: 21-23 O '63.

In the Collegium of the Ministry of the River Fleet. Rech. transp. 22 no. 10, 48 O '63.

A matter of extreme importance. Rech. transp. 22 no. 10:1-2 O '63.

On preholiday duty. Rech. transp. 22 no. 10:6 O '63.

Pressing problem; importance to the national economy of the building of the Kizi-Tabo Canal. S. Chernish, N. Isakov, G. Gangardt. Rech. transp. 22 no. 11 14-15 N '63.

Results of the navigation season. Rech. transp. 22 no. 11 2-4 N '63.

Shippers should have an interest in cargo transportation by inland waterways. A. Shemagin. Rech. transp. 22 no. 10:7-8 O '63.

INLAND WATER TRANSPORTATION—EMPLOYEES

Length of the working day for the navigating personnel in summer and during periods between navigations. S. Slutskii, E. Shaposhnikov, A. Mel'nikov. Rech. transp. 22 no. 11, 20-21 N '63.

INLAND WATER TRANSPORTATION—HANDBOOKS, MANUALS, ETC.

Liakhov, K. S., and K. P. Chentsov. [Practical manual for a dispatcher in the river fleet] Prakticheskoe posobie dispetcheru rechnogo flota. Moskva, Izd-vo "Rechnoi transport," 1963. 197 p.

INLAND WATER TRANSPORTATION—LAW AND LEGISLATION

New legislative enactments. Sots. zakon. 40 no. 11:88-89 N '63.

INLAND WATER TRANSPORTATION—SAFETY REGULATIONS

New regulations for the transportation of dangerous cargo. V. Barmin. Rech. transp. 22 no. 10, 14 O '63.

INLAND WATER TRANSPORTATION—STATISTICS

Do away with lagging in water transportation statistics. I. Telepnev. Rech. transp. 22 no. 11:54-55 N '63.

INNSBRUCK—OLYMPIC GAMES (WINTER)

Innsbruck is right here. V. Men'shikov. Ogonek 41 no. 52:28-29 D '63.

INORGANIC CHEMISTRY see Chemistry, Inorganic

INSCRIPTIONS see subdivision under Kirghizistan

INSCRIPTIONS, TURKISH (OLD) see subdivision under Polotsk; Ulankom

INSECT BAITS AND REPELLENTS

Comparative effectiveness of hexamethylenebenzamide and acetyltetrahydroquinoline as protective agents against fleas in humans [with summary in English]. V. T. Osipian and others. Med. paraz. i paraz. bol. 32 no. 5:551-553 S-O '63.

Effect of repellents on some species of horsefly at different air temperatures, field trials with Skuf'in traps [with summary in English]. A. A. Potapov, V. V. Vladimirova. Med. paraz. i paraz. bol. 32 no. 5, 542-546 S-O '63.

Repellent properties of m-toluic acid diethylamide to horseflies [with summary in English]. N. A. Violovich. Med. paraz. i paraz. bol. 32 no. 5:539-542 S-O '63.

Results of testing individual bed curtains of net material impregnated by repellents for protection against mosquitoes [with summary in English]. V. M. Safianova. Med. paraz. i paraz. bol. 32 no. 5 549-551 S-O '63.

Toxicity of some organic phosphoric insecticides for the larvae of blood-sucking blackflies [with summary in English]. A. N. Alekseev, A. P. Ignat'eva. Med. paraz. i paraz. bol. 32 no. 5:546-548 S-O '63.

INSECTICIDES

Insecticidal properties of chlorophos paper "Mukhomor" [with summary in English]. B. L. Shura-Bura, A. IA. Glazunova. Med. paraz. i paraz. bol. 32 no. 5:554-556 S-O '63.

Methods for increasing the efficiency of chemical control of plant lice on tobacco. G. N. Mardzhanian, A. K. Ust'ian, A. G. Kankanian. Izv. AN Arm. SSR. Biol. nauki 16 no. 10:57-67 O '63.

Mineral substances used as fillers for powdered insecticides. S. M. Shogam, V. I. Orlov, E. I. Fen'kova. Trudy IGEM no. 95:113-119 '63.

INSECTS—DEVELOPMENT

Possibility of bacteria surviving the metamorphosis of the housefly [with summary in English]. D. P. Zhuzhikov. Med. paraz. i paraz. bol. 32 no. 5:558-562 S-O '63.

Structure and distinctive characters of the pupae of owlet moths of the genus Harmodia HBN (Lepidoptera, Noctuidae) [with summary in English]. E. I. Khol'ko. Zool. zhur. 42 no. 10:1494-1500 '63.

INSECTS—DISEASES AND PESTS

Preparation of hyperimmune serums for the diagnosis of some insect bacterioses. M V IAlovitsyn, K. P. Ushakov. Trudy Inst mikrobiol i virus. AN Kazakh SSR 7 235-242 '63.

Serologic identification of entomopathogenic bacilli M. V. IAlovitsyn Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7 228-234 '63

INSECTS—PHYSIOLOGY

Cytological and histological changes in the fat body of the cicada Psammotettix Striatus Fall, infected with the winter wheat mosaic virus [with summary in English] L IA Lomakina, G. M Razviazkina, E. A. Shubnikova Vop virus. 8 no. 2 168-172 Mr-Ap '63

INSECTS, FOSSIL
(see also subdivision under Kuznetsk Basin)

Class Insecta. B. B. Rodendorf and others. Trudy SNIIGGIMS no. 21,189-193 '62.

Class Insecta. B. B. Rodendorf and others. Trudy SNIIGGIMS no. 21'403-425 '62.

INSTALLMENT PLAN see subdivision under Zhitomir

INSTRUMENT INDUSTRY

Instrument industry today and tomorrow. A. Gavrilov. NTO 5 no. 11'13-15 N '63.

Most urgent objectives in the development of the instrument industry. Priborostroenie no. 11:1-2 N '63.

INSTRUMENT INDUSTRY—MANAGEMENT see subdivision under Moscow

INSTRUMENT MANUFACTURE

This manual can be recommended for instrument-manufacture specialists with broad educational background. A. T. Belevtsev. Priborostroenie no. 11:32-3 of cover N '63.

INSTRUMENTS

Scientific technical conference on automation and weighing and proportioning processes. G. E. Gorlin, I A. Al'tman. Izm. tekh. no. 11:54-55 N '63.

INSTRUMENTS—BIBLIOGRAPHY see Bibliography—Instruments

INSTRUMENTS, ELECTRIC see Electric instruments

INSULATION (HEAT)

Efficiency of insulated ship walls with steel and aluminum alloy framing. A. T. Mitsevich. Sudostroenie 29 no. 10:16-17 O '63.

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [Heat insulation with the utilization of vacuum] Teploizoliatsiia s ispol'zovaniem vakuuma. Moskva, 1963. 43 p. (Serila VI: Novye materialy, no. 59)

INSULATION (HEAT)—STANDARDS

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.

Pt. 3, Sec. V, ch. 10. [Heat insulation; regulations for production and acceptance of work] Teploizoliatsiia; pravila proizvodstva i priemki rabot (SNiP III-V, 10-62). 1963, 14 p.

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Heat insulation of connecting pipes (pulse); MN 4383-63 - MN 4391-63] Teploizoliatsiia soedinitel'nykh trub (impul'snykh); MN 4383-63 - MN 4391-63. Moskva, Standartgiz, 1963. 60 p. (SSSR. Normali mashinostroeniia)

INSULIN SHOCK THERAPY

's book "Insulin comas. Clinical
of the development and insulin
ychoses." S. G. Genes. Probl.
5:118-120 S-O '63.

under Africa; Kinel' District;
Mordovia)

m to man. Sots. obesp. 24

egral equation for antennas.
AN SSSR 152 no. 5:1089-1091

ngular equations. S. G. Mikhlin.
no. 3:555-558 S '63.

e aperture field in the case when
ected electromagnetically. I. B.
, Sh. Fridberg. Doki. AN SSSR
'63.

iple, curvilinear, and surface
kriyolineinye i poverkhnostnye
p.] Rosvuzizdat, 1963, 136 p.

INTEGRALS, GENERALIZED

Convergence of iterative processes in determining the constants of the Christoffel-Schwarz integral. V. N. Savenkov. Ukr. mat. zhur. 15 no. 3 321-327 '63.

Feynman's integrals and Poincaré's method. O. S. Parasiuk. Ukr. mat. zhur. 15 no. 3'320-321 '63.

INTERCONNECTED ELECTRIC UTILITY SYSTEMS

Load distribution between electric power plants. Elek. sta. 34 no. 10 61 O '63.

INTERFERENCE (LIGHT)

Interference phenomena in quantum transitions. M. I. Podgoretskii, O. A. Khrustalev. Usp. fiz. nauk 81 no. 2, 217-247 O '63.

INTERFEROMETRY

Use of the phase method of multiwave interferometry for measuring low gas densities. F. A. Korolev, G. I. Kromskii, I. V. Skokov. Izv. vys. ucheb. zav.; fiz. no. 5:61-63 '63.

INTERLIBRARY LOANS

A greater future for interlibrary loans. V. Kolomiets. Bibliotekar' no. 11:59-61 N '63.

INTERNAL COMBUSTION ENGINES

Internal regulation of free-piston engines. L. A. Agasian. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 5:41-50 '63.

Theoretical principles for the selection of optimum conditions for the running-in of internal combustion engines. V. K. Lakin. Avt. prom. 29 no. 11:8-10 N '63.

Vasil'ev, A. G. [Internal combustion engines] Dvigateli vnutrennego sgoraniia, uchebnoe posobie. Leningrad, Leningradskii institut inzhenerov zheleznodorozhnogo transporta imeni akademika V. N. Obraztsova, 1961. 53 p.

INTERNAL COMBUSTION ENGINES—ABSTRACTS

[Internal combustion engines] Ref. zhur.: Dvig. vnutr. sgor. no. 11 N '63.

INTERNAL COMBUSTION ENGINES—FUEL SYSTEMS

Air atomization of fuel in the Rover gas-turbine engine. A. S. Shteinberg. Avt. prom. 29 no. 11 45-48 N '63.

INTERNAL COMBUSTION ENGINES—TESTING

Using the run-out method in determining internal losses of internal combustion engines. V. D. Murav'ev. Avt. prom. 29 no. 11'10-11 N '63.

INTERNAL FIXATION IN FRACTURES

Drill-conductor for intraosseous metallic osteosynthesis in hip fractures. A. F. Burenin. Kaz. med. zhur. no. 5: 104-105 S-O '63.

Experience in the treatment of fractures of the humerus by intraosseous fixation with a steel nail [with summary in English]. A. N. Berkutov, S. I. Il'enkov. Vest. khir. 90 no. 6'80-83 Je '63.

Internal fixation in bone fractures of the extremities by means of metallic rods in childhood. B. I. Gaidai. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:125-128 '59.

Reconstructive osteotomy of the hip with intraosseous fixation by a metallic pin. T. A. Revenko. Ortop., travm. i protez. 24 no. 6:61-64 Je '63.

Some problems of surgical treatment of bone fractures by means of internal fixation with metallic pins. IA. N. Rodin. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15,117-123 '59.

Surgical treatment of diaphyseal fractures of both bones of the forearm. V. IA. Mos'kin. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:129-132 '59.

INTERNAL FRICTION

Low-temperature internal friction in pure iron. V. Morgner, IU. S. Avraamov. Fiz. met. i metalloved. 16 no. 4:636 O '63.

INTERNAL MEDICINE see Medicine, Internal

INTERNATIONAL COMPETITION see Competition, International

INTERNATIONAL COOKERY see Cookery, International

INTERNATIONAL LAW

Talalaev, A. N. [Legal nature of international treaties] Iuridicheskaia priroda mezhdunarodnogo dogovora. Moskva, Izd-vo IMO, 1963. 260 p.

INTERNATIONAL RELATIONS—BIBLIOGRAPHY see Bibliography—International relations

INTESTINAL FISTULA see Fistula, Intestinal

INTESTINES

Differences in the effectiveness of antibiotics of the tetracycline group with special reference to their uptake in the intestines [with summary in English]. G. IA. Kivman. Antibiotiki 7 no. 10:891-896 O '62.

INTESTINES—BLOOD SUPPLY

Rearrangement of the vascular architectonics of the large intestine in different anatomical types of cancerous tumors [with summary in English]. E. V. Litvinova. Trudy Inst. onk. AMN SSSR no. 3'32-42 '60.

Some characteristics of the blood supply of the solitary lymph follicles of the large intestine in man M I Urmanov. Trudy Khab. med. inst 23 no. 2 31-33 '62.

INTESTINES—CANCER

Rearrangement of the vascular architectonics of the large intestine in different anatomical types of cancerous tumors [with summary in English]. E. V. Litvinova. Trudy Inst. onk. AMN SSSR no. 3'32-42 '60.

INTESTINES—DISEASES

Blinkin, S. A. [Methods of rapid bacteriological diagnosis of intestinal infections] Metody uskorennoi bakteriologicheskoi diagnostiki kishechnykh infektsii. Moskva, Medgiz, 1963 200 p.
(DNLM)

INTESTINES—MICROBIOLOGY

Blinkin, S. A. [Methods of rapid bacteriological diagnosis of intestinal infections] Metody uskorennoi bakteriologicheskoi diagnostiki kishechnykh infektsii Moskva, Medgiz, 1963. 200 p.
(DNLM)

Study of ECMO viruses in experiments on monkeys [with summary in English]. E. R. Pille, L. V. Nadatchik, I. V. Voronina. Vop. virus. 8 no. 2 204-210 Mr-Ap '63

Study of the chemical structure of ECMO viruses [with summary in English]. E. R Pille. Vop. virus 8 no 2 210-213 Mr-Ap '63

INTESTINES—OBSTRUCTIONS

State of the hematoencephalic barrier in acute intestinal obstruction [with summary in English]. A. S. Synovets, G. M. Butenko. Vrach. delo no. 11:56-59 N '63.

Two cases of congenital neurogenic intestinal obstruction. A. G. Neskoromova. Pediatriia 41 no. 7:70-71 Jl '63.

INTESTINES—SURGERY

Hemopoiesis following extensive experimental resections of the small intestine. A. G. Rostiakov. Trudy Khab. med. inst. 23 no. 2:34-40 '62.

INTRATRACHEAL ANESTHESIA

Anesthesiological problems in electrostimulation of the heart [with summary in English]. A. P. Zil'ber. Vest. khir. 91 no. 7:57-60 Jl '63.

Automatic endotracheal ether anesthesia in orthopedic operations. IU. N. IUr'ev, IU. N. Shanin. Ortop., travm. i protez. 24 no. 6:18-23 Je '63.

Changes in the circulating blood volume in operations on the stomach under intratracheal ether and oxygen potentiated anesthesia. R. V. Golovanov. Khirurgiia 39 no. 7:62-66 Jl '63.

Errors and complications in endotracheal anesthesia and their prophylaxis. A. IU. Pashchuk, IU. R. Kal'chenko. Med. sestra 22 no. 10:47-49 O '63.

Function of the adrenal cortex in surgery of the thoracic organs under automatically controlled anesthesia [with summary in English]. IU. N. Shanin, A. T. Pulatov, M. V. IUrchenko. Vest. khir. 90 no. 6:100-113 Je '63.

Intratracheal anesthesia and the use of neuroplegic preparations in surgery on the thyroid gland [with summary in English]. A. A. Men'shov. Vest. khir. 90 no. 6. 113-115 Je '63.

Modern anesthesia for pulmonary surgery in tuberculosis [with summary in French]. E. M. Lebedev, IU. N. Zhilin. Probl. tub. 40 no. 6:55-62 '62.

Use of intratracheal anesthesia with muscle relaxants in severe injury under conditions of emergency surgical treatment. IU. V. Shapiro. Khirurgiia 39 no. 7:121-122 Jl '63.

INTUITION

Chueva, I. P. [Criticism of the ideas of intuitivism in Russia] Kritika idei intuitivizma v Rossii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 127 p.

INVENTIONS

Technology of the 7-year plan. Sov. vóln 44 no. 3126 Ja '62.

INVENTIONS—BIBLIOGRAPHY see Bibliography—Inventions

INVENTORIES

Significance of inventories in ensuring the preservation of socialist property. Z. Klimova. Bukhg. uchet 29 no. 9:39-42 S '63.

INVERTEBRATES—EMBRYOLOGY see Embryology—Invertebrates

INVESTMENTS, BRITISH see subdivision under Kenya

INVESTMENTS, DUTCH
Dutch monopolies without colonies. G. Peters. Nov. vrem. 21 no. 51:22-23 D '63.

INVESTMENTS, FOREIGN
(see also subdivision under Iran)
Akademiia nauk SSSR. Institut istorii. [Special features of imperialism in Russia] Ob osobennostiakh imperializma v Rossii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 439 p.

INVESTMENTS, WEST GERMAN see subdivision under Africa; Arab Countries; Cameroon

INVOICES
Simplify document forms in the supply of materials and equipment. A. Morozov Buxhg. uchet 20 no. 11:46-49 N '63.

IODIC ACID
Titrimetric determination of furfurole by iodic acid. V. I. Tikhonova. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:744-750 '63.

IODINATION
Quantitative iodination of some monoamyl phenols [with summary in English]. O. N. Karpov. Zhur. anal. khim. 18 no. 10:1286-1288 O '63.

IODINE
Iodine content of the waters of the Baikal Lake basin; preliminary data. V. V. Baranskaia. Izv. ISKHI no. 14: 50-52 '62.

IODINE—ANALYSIS
Comparative characteristics of some most sensitive methods for determining iodine in water. G. F. Proskuriakova, R. V. Shvetskina M. S. Chernavina. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:729-734 '63.

IODINE ISOTOPES
Bryzgunov, V. A. [Radiometer for determining I^{131} in the human thyroid gland] Radiometr dlia izmereniia iода-131 v shchitovidnoi zhleze cheloveka. Moskva, In-t atomnoi energii im. I. V. Kurchatova, 1960. 11 p.
Use of radioactive iodine for the determination of the functional activity of the thyroid gland in those working with SHF generators. M. I. Smirnova, M. N. Sadchikova. Trudy inst. gig. truda i prof. zab. AMN SSSR no. 1:50-51 '60.

IODINE ISOTOPES—PHYSIOLOGICAL EFFECT
Absorption of radioactive iodine (J^{131}) by the thyroid gland when large doses of vitamin A are used. N. B. Lutsiuk. Vrach. delo no. 11:133-134 N '63.

IODINE ISOTOPES—THERAPEUTIC USE
Results of the treatment of thyrotoxicosis with I-131 using an abbreviated fractional method. N. I. Gol'dshtein, U. Z. Norkina. Kaz. med. zhur. no. 5:46-49 S-O '63.

IOGANSON, BORIS VLADIMIROVICH, 1893-
Works devoted to the revolution; on B. V. Ioganson's 70th birthday. Iskusstvo 26 no. 7:10-17 '63.

ION BEAMS
Detection of heavy ions by scintillation counters. L. I. Pivovar, L. I. Nikolaichuk, A. I. Vlasenko. Prib. i tekh. eksp. 8 no. 5:70-72 S-O '63.

ION EXCHANGE
Determination of ion exchange constants based on the practice of chromatographic analysis. Report No. 1: Determination of the constant of the cesium exchange on a KU-2 sulfo-cation exchanger [with summary in English]. G. M. Kolosova, M. M. Senyavin. Zhur. anal. khim. 18 no. 10:1178-1183 O '63.
Determination of the ion exchange capacity of ion exchangers by means of a high-frequency titrimeter. A. B. Davankov, L. Santo. Zav. lab. 29 no. 11:1304-1306 '63.
Development of the methods of ion exchange in the analytical chemistry of metals (survey). S. M. Chernobrov. Zav. lab. 29 no. 11:1281-1288 '63.
Molybdenum recovery by ion exchange. S. M. Shamsiev, M. M. Senyavin. TSvet. met. 36 no. 10:8-10 O '63.
Production and study of the properties of x-type zeolites in ammonium and hydrogen ion exchange forms. G. V. TSitsishvili and others. Dokl. AN SSSR 152 no. 5:1136-1139 O '63.
Review of O. Samuelson's book "Ion exchange separations in analytical chemistry." Zhur. anal. khim. 18 no. 8: 1031-1032 Ag '63.
Study of ion exchange processes by means of physicochemical analysis. A. V. Nikolaev, V. L. Bogatyrev, A. I. Vulikh. Dokl. AN SSSR 153 no. 2:300-302 N '63.

ION-EXCHANGE RESINS
Investigating the sorption of chromium(III) by KB-4 cation exchanger under dynamic conditions. E. S. Mikhanosha, A. V. IUdin, V. M. Barboi. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 5:44-50 '63.
Sorption of rare-earth cations on a cation exchanger. Part 3: Kinetics of the sorption of rare-earth elements on a KU-2 resin in ammonium and sodium forms. M. E. Kornelli, I. A. Legenchenko. Ukr. khim. zhur. 29 no. 11:1147-1150 '63.
Testing of domestic ion exchange resins in the purification of glucose syrups. E. K. Sidorova. Trudy TSNIIKPP no. 6,13-25 '63.

ION EXCHANGERS
Use of a fluidized bed of cation exchangers for the removal of nonferrous and heavy metals from waste waters. L. A. Kul'skii, I.A. M. Zagrai, A. M. Koganovskii. Ukr. khim. zhur. 29 no. 11:1228-1232 '63.
Use of ion exchangers for the separation of chlorophenoxyacetic acids, their salts, and phenol [with summary in English]. I. K. TSitovich, V. I. Cherkashin. Zhur. anal. khim. 18 no. 10:1255-2161 O '63.

ION FLOW DYNAMICS
Measuring the speed and electroconductivity of ionized gas flows. L. P. Poberezhskii. Zhur. tekh. fiz. 33 no. 12,1464-1469 D '63.

ION SOURCES
Production of multiply charged neon ions in a pusle source for a cyclotron. A. S. Pasiuk and others. Prib. i tekh. eksp. 8 no. 5,23-25 S-O '63.
Pulsed source of multiply charged ions. F. I. Mineev, O. F. Kovnik. Prib. i tekh. eksp. 8 no. 1:33-38 Ja-Ag '63.
Selection and primary focusing of ions in a source of multiply charged ions. F. I. Mineev, O. F. Kovpik. Zhur. tekh. fiz. 33 no. 12:1444-1448 D '63.

IONIC CRYSTALS
Theory of the shape, width, and shifting of luminescence lines of impurity centers in ionic crystals. B. Z. Malkin. Fiz. tver. tela 5 no. 11:3088-3094 N '63.

IONIC SOLUTIONS
Effect of solvation on the properties of anions in dipolar aprotic solvents. A. J. Parker. Usp. khim. 32 no. 10: 1270-1285 O '63.

IONIZATION
Adsorption energy during ionization of atoms on a metal surface. E. F. Chalkovskii, G. M. Platigorskii. Dokl. AN SSSR 153 no. 2:401-404 N '63.
Rate of ionization of hydrogen on active electrodes. M. B. Knaster, M. I. Temkin. Dokl. AN SSSR 152 no. 3: 658-661 S '63.
Surface ionization of cesium as its vapors diffuse through porous nickel. S. IA. Lebedev, IU. IA. Stavisskii. Zhur. tekh. fiz. 33 no. 12:1473-1474 D '63.

IONIZATION CHAMBERS
Amplitude distribution of pulses in slow neutron counters. V. IA. Savel'ev, A. I. Beskorskii, V. I. Chernyshov. Prib. i tekh. eksp. 8 no. 5:61-65 S-O '63.
Small-sized ionizer and negative ion counter. A. Shchetilin. Radio no. 11:47-49 N '63.

IONIZATION OF GASES
Ionization of a supersonic jet of mercury vapor by a beam of hydrogen ions. A. D. Abramenkov, V. F. Rybalko, IA. M. Fogel'. Izv. vys. ucheb. zav.; fiz. no. 5: 76-81 '63.
Photoionization of atoms and the recombination of ions in vapors of alkali metals. IU. V. Moskvin. Opt. i spektr. 15 no. 5:582-586 N '63.

IONIZED AIR see Air, Ionized

IONOSPHERE
Effects observed in the F^2 ionospheric layer during solar flares. I. N. Odintsova. Geomag. i aer. 3 no. 6:1131-1132 N-D '63.
Ionization of the night ionosphere. V. N. Kessenikh, A. F. Kovalevskii. Izv. vys. ucheb. zav.; fiz. no. 5:181-182 '63.
Latitudinal variation of the conditions of appearance of the F1 layer. L. A. Shchepkin. Geomag. i aer. 3 no. 6: 1053-1056 N-D '63.
Lunar tidal fluctuations of the minimum effective heights of the F^2 layer. V. A. Zaguliaeva. Geomag. i aer. 3 no. 6:1132-1134 N-D '63.
Method for determining the electron density profile in the D region of the ionosphere. K. Serafimov, G. Nestorov. Geomag. i aer. 3 no. 6:1059-1064 N-D '63.
Time-dependent regularities in the appearance of anomalous ionization in the F2 layer at high latitudes. L. A. IUdovich. Geomag. i aer. 3 no. 6:1048-1052 N-D '63.

IONOSPHERIC RADIO WAVE PROPAGATION
Apparatus for recording the scattered component of the field and preliminary results of observations. S. F. Mirkotan, I. A. Biriulin. Geomag. i aer. 3 no. 6:1115-1124 N-D '63.

IONOSPHERIC RESEARCH see subdivision under Alma-Ata; Salekhard; Simferopol'

IONS
Adsorption energy of cesium ions on a metal surface. S. IA. Lebedev, IU. IA. Stavisskii. Zhur. tekh. fiz. 33 no. 12:1474-1477 D '63.
Change of entropy in the transition of monoatomic ions having the structure of inert gases from the crystalline and gaseous state to solution. G. A. Krestov. Izv. vys. ucheb. zav.; khim. i. khim. tekh. 6 no. 5:754-761 '63.
Nature of the secondary emission generated during the bombardment with alkali ions of films of alkali elements on metals U. A. Arifov, A. Kh Alukhanov. Izv AN Uz. SSR. Ser. fiz.-mat. nauk no. 6 34-39 '61.
Panin, B. V. [Some characteristics of the interaction of atomic particles of mean energies (10 to 100 Kev.) with solid bodies] O nekotorykh osobennostiakh vzaimodeistvila atomnykh chastits srednikh energii (10-100 kev) s tverdymi telami. Moskva, In-t atomnoi energii AN SSSR, 1960. 44 p.

IONS—SCATTERING
Angular distribution of ions of alkali elements scattered by a metal surface. U. A. Arifov, A. Kh. Alukhanov, A. A. Allev. Izv. AN Uz SSR. Ser. fiz.-mat. nauk no. 6 57-64 '61.
Ion scattering on a metal surface; experimental part. U. A. Arifov and others. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk no. 6.50-56 '61.
Scattering of alkali ions on a metal surface at a high temperature. U. A. Arifov, Kh. Kh. Khadzhimukhamedov. Izv. AN Uz. SSR. Ser fiz.-mat. nauk no. 6.47-49 '61.

IRAN—FOREIGN RELATIONS—RUSSIA
The Soviet Union and Iran; comments. Nov. vrem. 21 no. 47:3 N '63.

IRAN—INVESTMENTS, FOREIGN
Aiding or plundering Iran? A. Bashkirov. Az. i Afr. seg. no. 12:27-29 D '63.

IRAN—LAND TENURE
In an Iranian village. S. Mazurenko. Nov. vrem. 21 no. 51:27-29 D '63.
Seidov, R. A. [Agrarian problem and the peasant movement in Iran, 1950-1953] Agrarnyi vopros i krest'ianskoe dvizhenie v Irane (1950-1953 gg.) Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 199 p.

IRAN—PEASANTRY
Seidov, R. A. [Agrarian problem and the peasant movement in Iran, 1950-1953] Agrarnyi vopros i krest'ianskoe dvizhenie v Irane (1950-1953 gg.) Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 199 p.

IRAN—PETROLEUM INDUSTRY
Aiding or plundering Iran? A. Bashkirov. Az. i Afr. seg. no. 12:27-29 D '63.

IRAQ—POLITICS AND GOVERNMENT
Bankruptcy of the Baathists. IU. Bochkarev. Nov. vrem. 21 no. 47:6-7 N '63.
How the Iraqi Kurds struggle for an autonomous state. IA. Pliasun. Rad. pravo no. 6:111-119 N-D '63.

IRBEYSKOYE REGION—CLEARING OF LAND—EQUIPMENT AND SUPPLIES
Detachment of the Section of Agricultural Machinery in virgin lands. N. Bazhazhin. Tekh. v sel'khoz. 23 no. 9:47 S '63.

IRELAND—HISTORY
History of Irish political struggle in the early 20th century. A. N. Baikova. Vop. ist. 38 no. 11:186-187 N '63.

IRKUTSK—MINERAL INDUSTRIES—HYGIENIC ASPECTS
Dust in the air in the workshops of the Irkutsk Mica Factory. L. IA. Sushchinskaia. Vop. bor'. s sil. v Sib. no. 1:119-121 '61.

IRKUTSK DISTRICT—FORAGE PLANTS
Phosphorus content of perennial forage grasses in various vegetative stages in Irkutsk District. M. A. Shul'ga. Izv. ISKHI no. 14:53-58 '59.

IRKUTSK PROVINCE—AGRICULTURE
Shotskii, V. P. [Natural conditions for agricultural production and natural-history zones of Irkutsk Province; materials for the agricultural zoning of Irkutsk Province] Prirodnye uslovila sel'skokhoziaistvennogo proizvodstva i estestvennoistoricheskie raiony Irkutskoi oblasti; materialy po sel'skokhoziaistvennomu raionirovaniiu Irkutskoi oblasti. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1956-.
(CST-H)

IRKUTSK PROVINCE—ARCHIVES
Documentary materials of the Archives of the Irkutsk Province Committee of the CPSU. A. IA. Shapranova. Ist. arkh. 8 no. 3:195-198 My-Je '62.

IRKUTSK PROVINCE—FOREST SOILS
Using trace element fertilizers in gray slightly saline loamy forest soils of Irkutsk Province. V. E. Shevchuk. Izv. ISKHI no. 14:17-28 '59.

IRKUTSK PROVINCE—INDUSTRIES
Korzinnikov, S. N. [Forty years of industry in Irkutsk Province] Promyshlennost' Irkutskoi oblasti za 40 let. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1957. 93 p.
(WaU)

IRKUTSK PROVINCE—NATURAL RESOURCES
Popov, P. F. [Natural conditions and resources of Irkutsk Province, a popular science sketch] Prirodnye uslovlia i bogatstva Irkutskoi oblasti, nauchno-popularnyi ocherk [Irkutsk] Irkutskoe knizhnoe izd-vo, 1958, 36 p. illus. fold. map. (MH)

IRKUTSK PROVINCE—POTATOES—FERTILIZERS AND MANURES
Some problems of the foliar feeding of potatoes in Irkutsk Province, L. F. Ippolitova, V. E. Shevchuk. Izv. ISKHI no. 14 57-67 '59.

IRKUTSK PROVINCE—RESTAURANTS, LUNCHROOMS, ETC.
Friends and rivals. D. Arkad'ev. Obshchestv. pit. no. 12:9-10 D '61.

IRKUTSK PROVINCE—SPORTS
Sport does not like the indifferent. V. Travianskaia. Komsom. zhizn' no. 14:26-27 Jl '63.

IRKUTSK PROVINCE—WATER—COMPOSITION
Fluorine as microelement in natural waters of Irkutsk Province. T. N. Ruzinkova. Izv. ISKHI no. 14:45-49 '59.

IRKUTSK PROVINCE—WHEAT
Content of protein and raw protein in the Irkutsk 49 spring wheat in relation to the developmental stage and preceeding soil cultivation practices. G. A. Rossikhina. Izv. ISKHI no. 14.68-72 '59.

IRON
Evaluation of the degree of irreversibility of iron reduction on the dropping mercury electrodes. V. F. Ivanov, Z. A. Iofa. Zhur. fiz. khim. 37 no. 9:2132-2135 S '63.

IRON—ANALYSIS
Determination of iron by extraction with 2-ethylhexyl-phosphoric acids. IU. B. Kletenik, I. A. Bykhovskaia. Zav. lab. 29 no 11:1306-1307 '63.

IRON—HEAT TREATMENT
Continuous annealing of sheet iron. Mashinostroenie no. 6:118-119 N-D '63.

IRON—METALLOGRAPHY
Determination of oriented grains in alpha-iron from etch figures. V. E. Kochnov. Zav. lab. 29 no. 10: 1205 '63.
Effect of grain size on the curves of iron deformation at various temperatures. B. N. Korchunov, B. I. Smirnov. Fiz. met. i metalloved. 16 no. 4:603-609 O '63.
Methods of revealing the substructure of armco iron by electron microscopy. G. A. Kokorin. Sbor. trud. TSNIICHM no. 32:129-133 '63.
Microtwins in iron deformed at low temperatures. L. G. Orlov, L. M. Utevskii. Fiz. met. i metalloved. 16 no. 4:617-619 O '63.

IRON—METALLURGY
Effect of briquetting on the kinetic characteristics of magnetite reduction by graphite. V. G. Vlasov, S. S. Lisnlak. Izv. vys. ucheb. zav.; chern. met. 6 no. 10.12-17 '63.

IRON AGE
(see also subdivision under White Russia)
Chronology of certain types of the Zarubintsy Culture articles, as well as those of contemporary cultures. D. A. Machinskii. Krat. soob. Inst. arkheol. no. 94:20-28 '63.
Several unsolved problems of early Iron Age archaeology. A. P. Smirnov. Krat. soob. Inst. arkheol. no. 94:3-8 '63.

IRON ALLOYS
Contribution to the theory of solutions of nonmetals in molten iron [with summary in English]. B. P. Burylev. Zhur. fiz. khim. 37 no. 9:2068-2076 S '63.

IRON ALLOYS—METALLOGRAPHY
Metallographic methods of revealing dislocations in iron and nickel-base alloys. B. V. Molotilov. Sbor. trud. TSNIICHM no. 32:43-50 '63.
Temperature dependence of vacancy concentration in iron-chromium, iron-molybdenum alloys. M. A. Krishtal, V. I. Baranova. Fiz. met. i metalloved. 16 no. 4: 626-628 O '63.

IRON AND STEEL BRIDGES see Bridges, Iron and steel

IRON AND STEEL BUILDING see Building, Iron and steel

IRON AND STEEL PLANTS
(see also subdivision under Karaganda)
Volunteer forms of work in plants. V. Litvinenko. Metallurg 8 no. 11:35-36 N '63.

IRON AND STEEL PLANTS—EQUIPMENT AND SUPPLIES
Kopelovich, A. P. [Brief handbook on automatic control in ferrous metallurgy] Kratkii spravochnik po avtomaticheskomu regulirovaniiu v chernoi metallurgii. Moskva, Metallurgizdat, 1963, 407 p.

IRON AND STEEL PLANTS—MANAGEMENT
Organizing the production control in plants. E. E. Bermant, V. S. Vasil'chenko. Metallurg 8 no. 11:34 N '63.

IRON AND STEEL PLANTS—QUALITY CONTROL
Improving the quality of the delivered product. V. V. Viranovskii, A. A Podgorodetskii. Metallurg 8 no. 11: 32-33 N '63.

IRON AND STEEL PLANTS—TECHNOLOGICAL INNOVATIONS
Apply in production everything new, created in work. G. V. Plechun. Metallurg 8 no. 10:20-21 O '63.

IRON AND STEEL SHIPS see Ships, Iron and steel

IRON AND STEEL WORKERS
(see also subdivision under Cherepovets)
The beacon is shining brightly. M. Shubin. Metallurg 8 no. 10:22-23 O '63.
Daniil Riabtsev chooses a profession. Boris Borin. Znan. sila 38 no 10:12-15 O '61.
The elite of builders of communism. Metallurg 8 no. 10:1-2 O '63.
Man with a probing mind. N. IAnchuk. Metallurg. 8 no. 11:31-32 N '63.
Men who are the creators of technological progress. L. D. IUpko. Metallurg 8 no. 11:1-3 N '63.
Steelmaker. R. Mossakovskaia. Metallurg 8 no. 11:21 N '63.
Young foreman. V. Adamenko. Metallurg 8 no. 10:33 O '63.

IRON AND STEEL WORKERS—EDUCATION AND TRAINING see subdivision under Chelyabinsk; Dneprodzerzhinsk; Moscow

IRON CATALYSTS
Kinetics of ammonia synthesis when the catalyst is poisoned by water vapor. I. A. Smirnov, N. M. Morozov, M. I. Temkin. Dokl. AN SSSR 153 no. 2:386-389 N '63.

IRON-CHROMIUM ALLOYS—MAGNETIC PROPERTIES
Atomic and magnetic ordering of the Fe_3Cr alloy. M. V. Dekhtiar. Fiz. tver. tela 5 no. 11:3138-3141 N '63.

IRON-CHROMIUM ALLOYS—METALLOGRAPHY
Diffusion of the components of an iron-chromium alloy in a broad range of composition. D. F. Kalinovich, I. I. Kovenskii, M. D. Smolin. Fiz. met. i metalloved. 16 no. 4:619-620 O '63.

IRON-COBALT-NICKEL ALLOYS—METALLOGRAPHY
Effect of the technology of casting on the length of the columnar crystal zone in the UNDK 25BA alloy. A. S. Kukain. Lit. proizv. no. 10:34-37 O '63.

IRON FOUNDING
Avoiding defects in cast iron pipe. A. N. Smoliakov, V. G. Shtian. Lit. proizv. no. 10:10-11 O '63.
Phosphide eutectics in magnesium cast iron. M. V. Voloshchenko, V. I. Litovka. Lit. proizv. no. 10:22-25 O '63.
Vacuum treatment of cast iron in foundry molds. N. Volkov. Rech. transp. 22 no. 11:33-34 N '63.

IRON FOUNDING—DEFECTS
Hot arc welding-up of cast iron. IU. I. Zhuravitskii. Svar. proizv. no. 6.13-15 Je '63.
Repairing defects in cast iron by TSCh-4 electrodes. L. I. Gaft. Svar. poizv. no. 6:11-12 Je '63.
Welding-up of iron castings for the removal of founding defects. I. I. Rogatskin. Svar. proizv. no. 6:9-10 Je '63.

IRON IN THE BODY
Capacity of blood serum to fix iron in patients with aplastic anemia. G. A. Sitnikova. [Sbor. trud.] L'vov. nauch. -issl. inst. perel. krovi i neotlozh. khir. no. 4:71-75 '60.
Serum iron and bilirubin in patients with aplastic anemia. G. A. Sitnikova. [Sbor. trud.] L'vov. nauch. -issl. inst. perel. krovi i neotlozh. khir. no. 4:126-131 '60.

IRON INDUSTRY
"History of the Russian iron industry in the 18th century; iron plants and their owners" by N. I. Pavlenko. Reviewed by N. V. Ustiugov. Vop. ist. 38 no. 12:123-124 D '63.

IRON INDUSTRY—FINANCE see subdivision under Ukraine

IRON ISOTOPES
Technology of isotopically enriched chromium and iron foils for nuclear research. V. P. Bochin, S. A. Repin. Prib. i tekh. eksp. 8 no. 5:212-214 S-O '63.

IRON-MANGANESE ALLOYS—HYDROGEN CONTENT
Interaction of the parameters of hydrogen absorption by precipitation-hardened austenite. P. V. Gel'd and others. Fiz. met. i metalloved. 16 no. 4:610-611 O '63.

IRON-MANGANESE ALLOYS—METALLOGRAPHY
Stabilization of $\gamma \rightarrow \varepsilon$ transformations during recurrent phase transitions. I. N. Bogachev, V. F. Egolaev, I. S. Malinov. Fiz. met. i metalloved 16 no 4:544-550 O '63.

IRON MINES AND MINING
Titov, V. D., and A. I. Onishchenko. [Underground method of iron-ore mining] Razrabotka rud chernykh metallov podzemnym sposobom. Moskva, Gosgortekhizdat, 1963. 181 p.

IRON ORES
(see also subdivision under Bakchar region; Kolpashevo region)
Hypothetical evaluation of iron-ore reserves. G. S. Momdzhi, I. I. Pastushenko. Sov. geol. 6 no. 12:19-35 D '63.

IRON ORES—ANALYSIS
Radiometric determination of iron in sulfide ore concentrates and agglomerates. V. I. Ivanov, P. D. Korsh. Zav. lab. 29 no. 11:1296-1298 '63.

IRON PLATING
Reconditioning machine-tool parts with iron plating. N. M. Savel'ev. Mashinostroitel' no. 10:12-13 O '63.

IRON-SILICON ALLOYS—MAGNETIC PROPERTIES
Dependence of the curves of magnetostriction in silicon iron on the state of the crystal structure. V. A. Zaitkova, IA. S. Shur. Fiz. met. i metalloved. 16 no. 4. 614-617 O '63.

IRON SULFATES
Thermal dissociation of $FeSO_4$ in suspension. S. N. Ganz, A. I. Laik'lanitsa. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:811-815 '63.

IRONWORK
Ironworking technique in the forested steppe and steppe Scythia. B. A. Shramko, L. A. Solntsev, L. D. Fomin. Sov. arkheol. 7 no. 4.36-67 '63.

IRONWORKS see Iron and steel plants

IRRIGATION
(see also subdivision under Borinichi region; Golodnaya Steppe)
Estimating the accuracy of a topographic map needed in designing irrigation systems with deep wide-spaced canals. S. M. Dvorlankov. Trudy MIIZ no. 10:9-14 '60.
[Geodesic works for the construction of irrigation and drainage systems] Geodezicheskie raboty dlia stroitel'stva orositel'nykh i osushitel'nykh sistem. [By] K. S. Soberaiskii i dr. Moskva, Gosgeoltekhizdat, 1963. 203 p.
Mathematical statistics method for calculating earth displacement operations in the planning of canals and irrigation districts. I. V. Busalaev. Probl. gidroenerg. i vod. khoz. no. 1:158-167 '63.

IRRIGATION—EQUIPMENT AND SUPPLIES
New machinery for irrigated lands. P. Miroshnichenko. Tekh. v sel'khoz. 23 no. 10:26-31 O '63.

IRRIGATION—RESEARCH see subdivision under Brilevka region

IRRIGATION CANALS AND FLUMES
Colloid and chemical method of controlling the flow of water in bound (clay) soils in irrigation systems. A. K. Miskaili, M. M. Gurvich, L. A. Abduragimova. Dokl AN Azerb. SSR 19 no. 4:23-26 '63.

IRRIGATION FARMING
(see also subdivision under Chimkent Province; Krasnodar Territory; Ukraine)
Irrigated lands are our wealth; secretaries of rural territorial committees of the Communist Youth League tell about the League's activities and plans. N. Golub' and others. Komsom. zhizn' no. 22:2-5 N '63.

IRRIGATION FARMING—FINANCE see subdivision under Georgia

IRRIGATION LAWS see subdivision under Fergana

IRRITATION
Retrograde irritations in physiology and their importance in the processes of infectious pathology. O. IA. Ostryi, Z. I. Sobieva, A. N. Aliev. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:18-22 '58.

IRTYSH RIVER
Effect of the Bukhtarminsk reservoir on the hydrological conditions of the Irtysh River. V. V. Degtiarev, G. F. Gusev. Probl. gidroenerg. i vod. khoz. no. 1:209-216 '63.

ISAKOVSKII, MIKHAIL VASIL'EVICH, 1900-
Repetition in lieu of an analysis. A. Karpov. Vop. lit. 7 no. 10:216-218 O '63.

ISHIM VALLEY—SOLONETZ SOILS
Solonetz complexes in the Ubagan-Ishim interfluve. V. N. Mikhailichenko. Trudy Inst. pochv. AN Kazakh. SSR 15:126-161 '63.

ISHLINSKII, ALEKSANDR IUL'EVICH, 1913-

Aleksandr IUl'evich Ishlinskii; on his 50th birthday. G. N. Savin, IU. D. Sokolov, T. V. Putiata, Ukr. mat. zhur. 15 no. 3:209-302 '63.

Aleksandr IUl'evich Ishlinskii; on the occasion of his 50th birthday. Izv. AN SSSR. Mekh. i mashinostr. no. 5: 3-10 S-O '63.

ISLANDS see subdivision under Sukhona River

ISOMERIZATION

Homolytic isomerization of acetone di-n-butylmercaptole. R. Kh. Freidlina, A. B. Terent'ev. Dokl. AN SSSR 152 no. 3:637-639 S '63.

ISOMERS

Difference of reactions of geometrically isomeric compounds [PtAg2X4]. A. A. Grinberg, A. I. Dobrokhotskaia. Dokl. AN SSSR 152 no. 3:615-616 S '63.

Formulas for calculating the quantity of theoretically possible isomers of trialkyl benzenes and their derivatives. R. F. Pishnamazzade. Azerb. khim. zhur. no. 3: 27-37 '62.

ISOPRENE

Synthesis of isoprene from propylene. I. IS. Tiurlaev and others. Khim. prom. no. 9, 647-650 S '63.

ISOPRENE—TOXICOLOGY

Sanitary toxicological characteristics of isoprene dimers. V. A. Makrinov. Trudy Vol. med. inst. 47:14-18 '62.

ISOPROPYL ALCOHOL

Kinetics of isopropyl alcohol dehydrogenation in the liquid phase. Part 2. S. L. Kiperman, N. V. Nikolaeva, I. R. Davydova. Kin. i kat. 4 no. 5:723-735 S-O '63.

ISOPROPYL GROUP

Introduction of a iodoisopropyl group into aromatic hydrocarbons in the presence of sulfuric acid. IU. G. Mamedaliev, R. A. Babakhanov, M. N. Magerramov. Dokl. AN SSSR 152 no. 3:624-626 S '63.

ISOTOPE SEPARATION

Separation efficiency of complexes with respect to lithium isotopes [with summary in English]. D. A. Knyazev, E. V. Sklenskaia. Zhur. fiz. khim. 37 no. 9:2004-2009 S '63.

ISOTOPES

Fradkin, G. M. [Isotopic neutron sources] Izotopnye istochniki neitronov; spravochnik. Moskva, Gosatomizdat, 1963. 86 p.

ISOTOPES—ANALYSIS

Precision method of determining isotope relations of light elements. I. M. Adel'berg. Trudy VNIIGRI no. 212. Geokhim. sbor. no. 8:234-245 '63.

ISYKKUL' REGION—ECONOMIC GEOGRAPHY

The Issyk-Kul' Basin and the Alpine areas adjacent to it. S. N. Riazantsev. Izv. Kir. fil. Geog. ob-va SSSR no. 4:57-67 '63.

ISTRA DISTRICT (MOSCOW PROVINCE)—PODZOL

Variety of the soil cover in the turf-Podzolic zone as exemplified by the "Snigiri" experimental plot in Istra District, Moscow Province. A. K. IArtsova, A. V. Morozova. Pochvovedenie no. 11:15-24 N '63.

ITALY—FOREIGN RELATIONS

Brief study of the postwar foreign policy of Italy. S. I. Dorofeev. Vop. ist. 38 no. 11:120-130 N '63.

ITALY—HISTORIOGRAPHY

Some trends in the development of Italian Catholic historiography. M. I. Koval'skaia. Vop. ist. 38 no. 12: 180-181 D '63.

ITALY—HOME LABOR

Stitch after stitch. Enzo Rava. Rab. i stal. 30 no. 11: 10 N '63.

ITALY—POLITICS AND GOVERNMENT

Our commentaries. Nov. vrem. 21 no. 46:1-3 N '63.

A "power crisis" in Italy. B. Il'in. Nov. vrem. 21 no. 48:18-20 N '63.

Sketches of present-day Italy. M. N. Ukraina no. 17: 25 S '62.

ITALY—THEATER

The stages of Italy and France. S. Halauko. Belarus' 20 no. 9:23-24 S '63.

ITALY—WOMEN—EMPLOYMENT

Stitch after stitch. Enzo Rava. Rab. i stal. 30 no. 11: 10 N '63.

IUDEN, SERGEI SERGEEVICH, 1891-1954

Sergei Sergeevich IUdin. A. Popovskii. Med. sestra 22 no. 10:57-59 O '63.

IVAN IV, THE TERRIBLE, 1530-1584

A message of Ivan the Terrible, 1573. V. I. Buganov. Ist. arkh. 8 no. 3:221-223 My-Je '62.

A new record of the legend on Ivan the Terrible. N. A. Verderevskaia. Sov. etn. no. 5:114-115 S-O '63.

IVANO-FRANKOVSK PROVINCE—WIRE BROADCASTING

Consolidation of wire broadcasting in the Stanislav Province. I. M. Brodskii. Vest. sviazi 22 no. 11 15-16 N '62.

IVANOV, VSEVOLOD VIACHESLAVOVICH, 1895-

Vsevolod Ivanov. K. Evgrafov. V mire knig 3 no. 11: 25 N '63.

IVANOVO—TEXTILE INDUSTRY

Transit should be expedient. IU. Gusev. Sov. torg. 37 no. 11, 12-15 N '63.

IVANOVO ECONOMIC REGION—INFORMATION SERVICES

The use of effective forms of exchanging information on advanced practices in the Ivanovo Economic Council. T. I. Mel'nikova. Opyt rab. po tekh. inform. i prop. no. 1, 11-13 '63.

IVANOVO PROVINCE—YOUTH—RECREATION

Torn books, dusty accordion and "The magnificent seven." L. Tiutikov. Komsom. zhizn' no. 14 24-25 Jl '63.

IVENETS—DESCRIPTION

Ivenets is growing young again. IA. Makouski. Belarus' 20 no. 9:5 S '63.

IVRY-SUR-SEINE, FRANCE—POLITICS AND GOVERNMENT

The "red belt" of Paris. Georges Marrant. Part. zhizn' no. 1:67-72 Ja '61.

IZBASKENTSKIY DISTRICT—AGRICULTURE

Organizers of socialist competition. Kh. Khalkhanov. Part. zhizn' [Uzb.] 6 no. 6:56-58 Je '63.

IZBASKENTSKIY DISTRICT—FARM MECHANIZATION

The machine operator Ganibai Daminov. A. Madumarov. Part. zhizn' [Uzb.] 6 no. 6:67-68 Je '63.

JAPAN—ATOMIC ENERGY RESEARCH

Nomal'tseva, T. M., and L. A. Aleksandrov. [Organization of atomic energy research in Japan] Organizatsiia nauchnykh issledovanii po atomnoi energii v IAponii. Moskva, Vses. in-t nauchn. i tekhn. informatsii, 1963. 66 p.

JAPAN—COMMERCE—RUSSIA

The benevolent people from the Port of O-o. K. Odagawa. Nov. vrem. 21 no. 51:21 D '63.

JAPAN—DESCRIPTION AND TRAVEL

Japan; a million handshakes. Sov. Soiuz no. 11:16-19 '63.

Makoach, Ulrich. [Japan today; written between Tokyo and Hiroshima. Translated from the German] IAponiia segodnia; napisano mezhdu Tokio i Khiroshimoi. Moskva, Geografgiz, 1962. 215 p. (CStmoR)

JAPAN—ELECTRONIC INSTRUMENTS

Exhibition of Japanese instrument. G. I. Kononenko. Priborostroenie no. 11, 28-31 N '63.

Instruments manufactured by the Japan Electron Optics Laboratory Co. Izm. tekh. no. 11:58-59 N '63.

JAPAN—ELECTIONS

The people and parliament. V. Dal'nov. Nov. vrem. 21 no. 47:8-10 N '63.

JAPAN—MACHINE-TOOL INDUSTRY

M

vystavki 1962 goda v g. Osaka. Moskva, 1963. 473 p.

JAPAN—MEASURING INSTRUMENTS

Measuring instruments and apparatus at the Japanese Exhibition in Moscow. G. I. Kononenko. Izm. tekh no. 12:53-56 D '63.

JAPAN—ORIENTAL STUDIES

Some traditional trends in the Japanese studies of the Orient. S. L. Budkevich. Vop. ist. 38 no. 11:191-192 N '63.

JAPAN—WOMEN

Itsue Takamure, Raicho Hiratsuka. Zhen. mira no. 11: 18-19 '61.

JAPAN—WOMEN AND PEACE

Was is a disgraceful machronism. Maasje Suvi. Zhen. mira no. 11:20-21 '61.

JAPAN, SEA OF—CLIMATE

Climatic regionalization of the Sea of Japan. V. V. Filippov. Trudy NIIAK no. 20, 76-87 '63.

JAPAN, SEA OF—MARINE BIOLOGY

Khludova, O. F. [Behind the blue threshold] Za golubym porogom. Moskva, Gos. izd-vo geogr. lit-ry, 1963. 228 p. (Rasskazy o prirode)

JAUNDICE

Mechanism of jaundice arising following intrathoracic esophagogastro-anastomosis [with summary in English]. D. V. Fedotkin. Vest. khir. 91 no. 7 23-25 Jl '63.

JAWS

Distribution of tagged thiamine in the jaws of animals; a preliminary report. E. V. Benenson, IA. V. Mamul', Teor. i prak. stom. no. 5 175-178 '61.

Materials on mineral and protein metabolism of the bony tissue of the jaw. A. A. Prokhonchukov, N. A. Zhizhina. Teor. i prak. stom. no 5 157-164 '61.

JAWS—CANCER

Clinical characteristics of the growth and spreading of malignant tumors of the maxilla [with summary in English]. R. A. Mel'nikov. Trudy Inst. onk AMN SSSR. no. 3, 80-102 '60.

JAWS—RADIOGRAPHY

Dynamics of roentgenological changes in the maxilla in rabbits during the development and growth of induced tumors [with summary in English]. R. A. Mel'nikov, A. F. Kondrat'eva. Vop. onk. 9 no. 7 21-32 '63

Review of G. A. Zedgenidze and R. S. Shilova-Mekhanik's book "X-ray diagnosis of dental and maxillar diseases." A. N. Kishkovskii. Vest. rent. i rad. 38 no. 5:75-76 S-O '63.

JAWS—SURGERY

Mukhin, M. V., ed. [Operative maxillofacial surgery] Operativnaia cheliustno-litsevaia khirurgiia. Leningrad, Medgiz, 1963. 358 p. (DNLM)

JAWS—TUMORS

Dynamics of roentgenological changes in the maxilla in rabbits during the development and growth of induced tumors [with summary in English]. R. A. Mel'nikov, A. F. Kondrat'eva. Vop. onk. 9 no. 7, 21-32 '63.

X-ray diagnosis of adamantinoma of the lower jaw. I. M. Aleeva. Kaz. med. zhur. no. 5 51-53 S-O '63.

JAWS—WOUNDS AND INJURIES

Analysis of injuries of the maxillofacial area in miners and some late results of compound treatment. F. L. Gardashnikov. Trudy Ukr. nauch.-issl. inst. ortop i travm. no. 15, 161-164 '59.

JEHOVAH'S WITNESSES see subdivision under Khakass Autonomous Province

JEJUNUM—DISEASES

Study of the motor function of the intestines in man by the balloon-kymographic method. Report No. 2. "Fasting" motor activity of the jejunum in man in chronic enteritis (enterocolitis). V. G. Khlystov. Klin. med. 41 no. 7:67-71 Jl '63.

JEJUNUM—TUMORS

Some clinical aspects of sarcomas of the jejunum and ileum. N. N. Kun Vop. klin. pat no. 2, 69-80 '61.

JET PLANES—FUEL

Chemical composition of trace contaminants in jet fuels made from sulfur-bearing crude oils. V. N. Zrelov and others. Khim. i tekh. topl. i masel 8 no. 11 57-61 N '63.

Ragozin, N. A. [Jet fuels] Reaktivnye topliva. 2., perer. i dop. izd. Moskva, Gostoptekhizdat, 1963. 163 p.

JETS—FLUID DYNAMICS

Approximate motion equations in problems of the theory of turbulent jets. A. S. Ginevskii. Izv. AN SSSR. Mekh. i mashinostr. no. 5, 134-140 S-O '63.

Development of a light-fluid jet in a medium with a higher density. F. F. Abuzova, L. S. Abramzon. Izv. AN SSSR. Mekh. i mashinostr. no. 5:165-166 S-O '63.

Hydrodynamics of a viscous free jet taking surface tension into consideration. V. N. Pokrovskii. Inzh. zhur. 3 no. 4:710-714 '63.

JOB DESCRIPTIONS

Differentiation of workers' wages depending upon the working conditions. R. Batkaev. Sots. trud 8 no. 10, 65-70 O '63.

JOHN BIRCH SOCIETY

Dallas and "Dallas sharks." Vl. Novyi. Nov. vrem. 21 no. 51:30-32 D '63.

JOHNSON, LYNDON BAINES, 1908-

Lyndon Baines Johnson. Nov. vrem. 21 no. 48:12 N '63.

JOINTS—DISEASES

Neurotrophic disorders of the osteoarticular apparatus in lumbosacral radiculitis [with summary in English]. P. A. Bugaenko. Vrach. delo no. 11:65-69 N '63

JOINTS—RADIOGRAPHY

Grinberg, A. V. [X-ray diagnosis of occupational diseases of the bones and joints] Rentgenodiagnostika professional'nykh zabolevanii kostei i sustavov. [Leningrad] Medgiz, 1962. 250 p. (DNLM)

JOINTS—TUBERCULOSIS

Surgical treatment of patients with osteoarticular tuberculosis. N. P. Novachenko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:8-16 '59.

Working capacity and rehabilitation in osteoarticular tuberculosis. A. F. Frolova. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:297-300 '59.

JOINTS (BUILDING)

Effect of the rigidity of joints on reinforced concrete trusses of rectangular and trapezoid contour. IU. A. Kashirskii. Trudy Ural. politekh. inst. no. 111:5-11 '63.

Heating of joints of precast reinforced rafter segmental trusses. Z. Ganpantsura, I. Roinlib. Prom. stroi. i inzh. soor. 5 no. 5:64 S-O '63.

Study of unwelded joints of rod reinforcements. L. P. Zhdakhin. Trudy Ural. politekh. inst. no. 131:29-35 '63.

JOINTS (GEOLOGY)
(see also subdivision under Latvia)

Danilovich, V. N. [Belt method in studying jointing associated with fault displacements, methodological manual] Metod poiasov v issledovanii treshchinovatosti, sviazannoi s razryvnymi smeshcheniiami, metodicheskoe rukovodstvo. Irkutsk, 1961. 46 p. (Materialy po geologii i poleznym iskopaemym Irkutskoi oblasti, no. 2(29))

[MICROFILM]

JORDAN—WOMEN

Jordan; a letter from Miriam. Zhen. mira no. 12:15 '61.

JOURNALISM
(see also subdivision under Kirghizistan; Yaroslavl Province)

Be on the alert in every direction. S. Morozov. Sov. pech. no. 11:20-22 N '63.

Even though there are unpleasantnesses. I. IUdovich. Sov. pech. no. 11:23 N '63.

Goals, points, seconds - and only those? Z. Zlatopol'skii. Sov. pech. no. 11:32-34 N '63.

Letters to the editor. Sov. pech. no. 11:48-49 N '63.

A pen? It's not enough! E. Temchin. Sov. pech. no. 11: 24-25 N '63.

The right of way. Part. zhizn' no. 21:75-78 N '63.

Talent and work for high goals! N. S. Khrushchev. Sov. pech. no. 11:3-6 N '63.

JOURNALISM—CHEMISTRY

Ensuring efficiency. F. Makarov. Part. zhizn' no. 22:72-74 N '63.

JOURNALISM—CONGRESSES

For the triumph of peace and progress. V. Agarkov. Mezhdunar. zhizn' 10 no. 11:106-107 N '63.

Giving the hand of friendship. T. Ambarova. Sov. pech. no. 11:7-13 N '63.

Great and important tasks. Sov. pech. no. 11:54-56 N '63.

There weren't indifferent people here! M. Piradova. Sov. pech. no. 11:50-52 N '63.

Word of truth, freedom, and peace. Sov. pech. no. 11: 56-57 N '63.

JOURNALISM—RAILROADS

A letter to the editor of "Partiinaia zhizn'". B. Krasnikov, A. Filatov. Part. zhizn' no. 24:70 D '63.

JOURNALISM, AGRICULTURAL
(see also subdivision under Kazakhstan; Payaryksky District; Penza Province; Syr Darya Province, Uzbekistan)

Great and important responsibility. I. Vorozheikin. Part. zhizn' no. 22:70-72 N '63.

JOURNALISM, LABOR

Bring the starting construction projects under control. V. Bannikov, P. Voroshilov. Sov. pech. no. 11:17-19 N '63.

Here are our reserves! T. Akhunzianov. Sov. pech. no. 11:29-30 N '63.

Mass trade-union journals of 1917 to 1937 as a source for studying the history of the working class; based on materials of the M. E. Saltykov-Shcherdrin Public Library periodical collection. A. F. Shevtsova. Ist. rab. klas. Len. no. 1:182-191 '62.

JOURNALISM, MEDICAL

Feldsher journals on the eve of and following the victory of the Great October Socialist Revolution. M. B. Mirskii. Fel'd. i akush. 28 no. 11:45-51 N '63.

JOURNALISTIC PHOTOGRAPHY see Photography, Journalistic

JOURNALISTS
(see also subdivision under Kuybyshev District, Tatar A. S. S. R.)

Colonel Tkachuk's new duties. Nina Kocherhina. Ukraina no. 9:11 My '62.

JUDGEMENT DAY

The legend of doomsday. S. Bobau. Rab. i sial. 39 no. 10:18 O '63.

JUDICIAL ERROR

Strange story of "Kuskov's case." B. Solov'ev. Sots. zakon. 10 no. 10:48-50 O '63.

JUMPING

Analyzing training for the running high jump. K. G. Gomberadze. Probl. fiz. sporta no. 2:92-97 '61.

Is it simple to jump? M. Tartakovskii. Kul't. i zhizn' 7 no. 11:44-47 '63.

JUNCTION TRANSISTORS

Determination of certain parameters of semiconducting materials by means of electron irradiation of p - n junctions. A. Shalpykov, E. M. Lobanov. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk no. 6:80-81 '61.

Voltage build up in a p-n junction. I. M. Muratov, K. M. Kul'kin. Izv. vys. ucheb. zav., fiz. no. 3:179-181 '63

JUSTICE, ADMINISTRATION OF
(see also subdivision under Czechoslovakia; Kemerovo Province, Leningrad; Ukraine)

Against the malicious efforts of bourgeois lawyers to distort the idea of socialist legality. P. Hryshaiev. Rad. pravo no. 6:21-29 N-D '63.

Early history of Soviet justice. Sov. iust. no. 21:1-3 N '63.

The 10th anniversary of the Great October Socialist Revolution. Sots. zakon. 40 no. 11:3-5 N '63.

How our public helps public prosecutors to supervise the observance of Soviet laws in the field of civil law relations. D. Kichatov. Sots. zakon. 40 no. 10:43-44 O '63.

Lunev, A. E. [Ensuring a strict observance of laws in Soviet governmental administration] Obespechenie zakonnosti v Sovetskom gosudarstvennom upravlenii. Moskva, Izd-vo "Iuridicheskaia literatura," 1963. 155 p.

Mikhaliak, IA. S. [Implementation of socialist law during the large-scale building of communism] Primenenie sotsialisticheskogo prava v period razvernutogo stroitel'stva kommunizma. Moskva, Gosiurizdat, 1963. 43 p. (Bibliotechka slushatelia narodnogo universiteta pravovykh znanii)

Not for imitation. Sov. iust. no. 18:32 S '63.

Refusal to carry out the requests of other courts is a violation of Soviet laws. P. Hrab. Rad. pravo no. 6: 105 N-D '63.

Soviet courts should develop their contacts with the party organs which control the work of governmental agencies and business organizations. Sov. iust. no. 16:1-3 S '63.

JUVENILE DELINQUENCY
(see also subdivision under Dnepropetrovsk Province, Moscow; Vologda Province)

Let us improve our judicial practice in juvenile delinquency cases. V. Terebilov. Sots. zakon. 40 no. 10: 9-14 O '63.

1:0 in our favor. A. Varfolomeev. Mol. komm. no. 9:92-93 S '63.

Some conclusions from two stories. E. Danilova. Smena 40 no. 12:12-13 Je '63.

JUVENILE DETENTION HOMES see subdivision under Tatar A. S. S. R.

KABARDINO-BALKAR A. S. S. R.—ECONOMIC CONDITIONS

Khakuashev, E. T. [Kabardino-Balkaria in the years of the reconstruction of the Soviet national economy, 1921-1925] Kabardino-Balkariia v gody vosstanovleniia narodnogo khoziaistva SSSR, 1921-1925 gg. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1962. 136 p. (NIC)

KAFAN DISTRICT—ORE DEPOSITS

Mineralization stages of the Kafan copper-complex metal deposit. R. N. Zar'ian. Izv. AN Arm. SSR, Geol. i geog. nauki 16 no. 4/5:131-142 '63.

KAGARLYK DISTRICT—SOCIALIST COMPETITION

The lever of Archimedes. P. Piditilok. Mol. komm. no. 9:41-47 S '63.

KALANTARIAN, ELENA VLADIMIROVNA, 1890-1963

E. V. Kalantarian; an obituary. Med. paraz. i paraz. bol. 32 no. 5:636 S-O '63.

KALESNIK, IVAN

Young people are marching forward. I. Kudrautsau. Belarus' 20 no. 9:29 S '63.

KALININ, MIKHAIL IVANOVICH, 1875-1946

M. I. Kalinin, an outstanding member of the Communist Party and Soviet Government. A. G. Insarisev. Uch. zap. Orekh.-Zuev. ped. inst. 20 no. 3:109-125 '63.

KALININ—RAILROADS—CARS

Work of a standardization office at the Kalinin Railroad-Car Plant. N. I. Garusov. Standartizatsiia 27 no. 11: 32-33 N '63.

KALININ PROVINCE—HISTORY

Scholarly research in the field of local history in the city of Kalinin. L. I. Polesova. Ist. SSSR 7 no. 6 213-215 N-D '63.

KALUGA—ESSENCES AND ESSENTIAL OILS

Fifteenth anniversary of the SDV (Synthetic etherial substances) Combine in Kaluga. S. A. Budagian, I. M. Tovbin. Masl.-zhir. prom. 29 no. 11:29-32 N '63.

KALUGA PROVINCE—AGRICULTURAL ADMINISTRATION

Party discipline and the education of the masses. A. Surgakov. Part. zhizn' no. 21:23-29 N '63.

KALUGA PROVINCE—AGRICULTURAL CHEMICALS

Improve the utilization of mineral fertilizers and toxic chemicals. P. Arakcheev. Ekon. sel'khoz. 34 no. 11: 103-106 N '63.

KALUGA PROVINCE—FIRES AND FIRE PREVENTION

You send us papers, we take action... on paper. N. IU'rev. Pozh. delo 9 no. 10:13 O '63.

KALUGA PROVINCE—VACCINIA

Vaccinated milkmaid as a source of the development of cowpox. V. D. Petrunin. Fel'd. i akush. 28 no. 8:39-40 Ag '63.

KALUSH—CARDIOVASCULAR SYSTEM—DISEASES

Hemodynamic shifts in workers of the Kalush potassium combine [with summary in English]. IA. V. Borin and others. Vrach. delo no. 11:104-107 N '63.

KALUSH—POTASH INDUSTRY—HYGIENIC ASPECTS

Hemodynamic shifts in workers of the Kalush potassium combine [with summary in English]. IA. V. Borin and others. Vrach. delo no. 11:104-107 N '63.

KAMCHATKA—HEALTH RESORTS, WATERING PLACES, ETC.

Immediate results of compound therapy of gynecological patients in the "Paratunka" sanatorium in Kamchatka. I. K. Asauliuk. Akush. i gin. 39 no. 4:115-116 Jl-Ag '63.

KAMENSK-URAL'SKIY—PUBLIC HEALTH

Organization of an extensive active sanitary group for the assumption of some control functions. I. K. Balin. Fel'd. i akush. 28 no. 11:40-42 N '63.

KANDALAKSHA BAY—NEMERTINEA

Infestation of some molluska with the nemertinean Malacobdella (O. F. Muller) [with summary in English]. R. N. Burukovskii. Zool. zhur. 42 no. 10:1576-1577 '63.

KANDALAKSHA BAY—PARASITES—MOLLUSKS

Infestation of some molluska with the nemertinean Malacobdella (O. F. Muller) [with summary in English]. R. N. Burukovskii. Zool. zhur. 42 no. 10:1576-1577 '63.

KANSK-ACHINSK BASIN—COAL

Coals of the Kansk-Achinsk Basin and their use in electric power plants. Elek. sta. 34 no. 10:91-93 O '63.

KAOLIN

Resources of the kaolin industry in the U. S. S. R. V. I. Fin'ko. Trudy IGEM no. 95:49-55 '63.

KARA-KALPAK A. S. S. R.—FUNERAL RITES AND CEREMONIES

Struggle against the remnants of obsolete customs and rites [with summary in English]. Kh. Esbergenov. Sov. etn. no. 5:32-45 S-O '63.

KARABAKH STEPPE—FOREST SOILS

Some characteristics and similarities of brown forest soils in the central Karabakh Steppe. G. A. Aliev, I. N. Stepanov. Dokl. AN Azerb. SSR 19 no. 4:49-53 '63.

KARABAU (KAZAKHSTAN)—DOLOMITE

Dolomites from the Kara-Bau deposit. G. Z. Dolgina, E. P. Markevich. Ogneupory 28 no. 11:498-503 '63.

KARABOGAZGOL (TURKMENISTAN)—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

The future of Karabogazgol. D. Kubeshev. Part. zhizn' no. 23:35-38 D '63.

KARABOGAZGOL GULF

Notes on Kara-Bogaz-Gol. D. V. Buinevich. Izv. Vses. geog. ob-va 95 no. 5:459-460 S-O '63.

KARABOTAN, LAKE—EARTHS, MEDICAL AND SURGICAL USES OF

Microbiology and chemistry of Lake Karabotan. Report No. 3: Antibacterial properties of the therapeutic mud of Lake Karabotan. L. F. Frolova, M. I. Novozhilova, D. L. IAnovskaia. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:195-201 '63.

KARABOTAN, LAKE—SILT

Microbiology and chemistry of Lake Karabotan. Report No. 1: Composition of organic substances in the silt deposits of Lake Karabotan. D. L. IAnovskaia, M. I. Novozhilova, L. F. Frolova. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:177-182 '63.

KARABOTAN, LAKE—SILT—MICROBIOLOGY

Microbiology and chemistry of Lake Karabotan Report No. 2. Seasonal changes in the amount of microorganisms in Lake Karabotan. M. I. Vovozhilova, L. F. Frolova, D. L. IAnovskaia. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7 183-194 '63

Viability of some pathogenic and facultative pathogenic micro-organisms in the therapeutic mud of Lake Karabotan and its sanitary and bacteriological characteristics. L. F. Frolova. Trudy Inst. mikrobiol. i virus. AN Kazakh SSR 7:202-209 '63.

KARADAG REGION—CONDENSATE OIL WELLS

Penetration of oil into the gas condensate area during work on the depletion of horizon 7 of the Karadag field. F. I. Samedov, Ch. A. Sultanov. Dokl. AN Azerb. SSR 19 no. 4:31-35 '63.

KARADAG REGION—OIL WELL DRILLING

Relative efficiency of drilling methods in Karadag. S. M. Kuliev and others. Izv. vys. ucheb zav., neft' i gaz 4 no. 12:43-48 '61.

KARAGANDA—IRON AND STEEL PLANTS

Belousov, IA. P. Kazakhstanskaia Magnitka. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 175 p.

KARAGANDA BASIN—COAL MINES AND MINING— TECHNOLOGICAL INNOVATIONS

The star over the headframe never dims. P. Petrov. Nar. khoz. Kazakh. 21 no. 9:50-52 S '63.

KARAGANDA PROVINCE—COAL MINES AND MINING

The communists of our mine. M. Ermakov. Part. zhizn' no. 1:40-42 Ja '64.

KARAGANDA PROVINCE—MERCANTILE BUILDINGS

Our plans and our concerns. F. Abramovich. Koop. Kazakh. 6 no. 7:56 O '63.

KARAGANDA PROVINCE—SCRAP METAL INDUSTRY

A valuable raw material for industry. V. Kanlukova. Koop. Kazakh. 6 no. 7:46-47 O '63.

KARAGANDA REGION—SOILS

Soils of the Karaganda industrial region. D. M. Storozhenko. Trudy Inst. pochv. AN Kazakh. SSR 15:3-43 '63.

KARAKUL SHEEP see subdivision under Uzbekistan

KARATAU—PHOSPHORITES

Kara-Tau is a complex of large-scale chemistry. N. Fedotov. Nar. khoz. Kazakh. 21 no. 9:19-24 S '63.

KARAVELOV, LIUBEN, 1837-1879

Coryphaeus of three Slavic literatures. N. Narskii. Vop. lit. 7 no. 10:224-225 O '63.

KARELIA—AGRICULTURE

Brief description of the agriculture and stratification in the Karelian rural community during the second half of the 19th century. G. A. Nefedova. Uch. zap. Petrozav. gos. un. 7 no. 1:24-40 '58.

KARELIA—PEASANTRY

Brief description of the agriculture and stratification in the Karelian rural community during the second half of the 19th century. G. A. Nefedova. Uch. zap. Petrozav. gos. un. 7 no. 1:24-40 '58.

Struggle of Karelian peasants against feudal oppression in the 1670's. T. V. Starostina. Uch. zap. Petrozav. gos. un. 7 no. 1:41-64 '58.

KARELIA—REFORESTATION

Mechanization of tillage in the cutovers of the north. G. A. Stepakov. Les. khoz. 16 no. 8:57-58 S '63.

KARELIA—SKIN—CANCER

Data on skin cancer morbidity in the Karelian A. S. S. R. (with summary in English). V. V. Dvoirin. Vop. onk. 9 no. 7:85-90 '63.

KARELIA—SOILS

Rozhnova, T. A. [Soil cover of the Karelian Isthmus] Pochvennyi pokrov Karel'skogo peresheika. Moskva, Izd-vo Akad. nauk SSSR, 1963. 182 p.

KARGER, MIKHAIL KONSTANTINOVICH, 1903-

Mikhail Konstantinovich Karger's 60th birthday. G. K. Vagner, A. N. Kirpichnikov. Sov. arkheol. 7 no. 4: 124-126 '63.

KARST

(see also subdivision under Central Russian Upland)

Effect of carbon dioxide, formed during the destruction of oil fields, on the development of karst processes. M. S. Kaveev. Dokl. AN SSSR 152 no. 3:721-723 S '63.

KARTAVOV, MIKHAIL MIKHAILOVICH, 1910-

Mikhail Mikhailovich Kartavov; on his 50th birthday. G. S. Guzhin and others. Izv. Kir. fil. Geog. ob-va SSSR no. 4:97-98 '63.

KASAN DISTRICT—COTTON PICKING

Mobilize all forces for the fulfillment of commitments. R. Ishankulov. Part. zhizn' [Uzb.] 6 no. 10:30-32 O '63.

KASATKIN, ANDREI GEORGIEVICH, d 1963

A. G. Kasatkin; an obituary. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:886 '63.

KASKABULAK—PETROGLYPHS

The Kaskabulak petroglyphs. V. E. Sokolov. Sov. arkheol. 7 no. 4 199-204 '63.

KASKELEN—COOPERATIVE SOCIETIES

Return the past glory. G. Polinkin. Koop. Kazakh. 6 no. 7:46-47 O '63.

KATAEV, VALENTIN PETROVICH, 1897-

V. Kataev's tale "Lone white sail." N. A. Maliavkina. Uch. zap. Petrozav. gos. un. 7 no. 1:167-193 '56.

KATAV-IVANOVSK (CHELYABINSK PROVINCE)—PERSONNEL MANAGEMENT

Demotion in office.... A. Kinzhegalimov. Part. zhizn' no. 1:49-50 Ja '64.

KATTAKURGAN DISTRICT—COLLECTIVE FARMS

In a field camp. F. Vladimirov, A. Vasil'ev. Part. zhizn' [Uzb.] 6 no. 6:64-68 Je '63.

KAUNAS—TECHNOLOGICAL INNOVATIONS

We and "Kauno Tiesa." P. P. Kasperavičius. Izobr. i rats. no. 11:15-16 '63.

KAZAKH LITERATURE—HISTORY AND CRITICISM

Struggle against the ideology of bourgeois nationalism in the Kazakh literature of the 1920's. E. Tokmagametov. Trudy Inst. filos. i prava AN Kazakh. SSR 8 130-145 '63.

KAZAKH TALES see Tales, Kazakh

KAZAKHSTAN—ACTINOMYCES

Antibiotic properties of the group of blue and violet actinomycetes from the soils of Kazakhstan. E. T. Nikitina, Z. I. Alekseeva. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:147-156 '63.

KAZAKHSTAN—AGRICULTURAL ADMINISTRATION

Perfecting leadership in agriculture. Part. zhizn' Kazakh. 33 no. 11:34-40 N '63.

KAZAKHSTAN—AGRICULTURAL POLICY

For a new lift in agriculture. Part. zhizn' Kazakh. 33 no. 11:3-7 N '63.

KAZAKHSTAN—AGRICULTURAL WORKERS

The steppe needs me desperately. N. Dmitrieva, G. Dubinskii. Smena 40 no. 17:1, 4-6 S '63.

KAZAKHSTAN—AGRICULTURE—ECONOMIC ASPECTS

Specialization as a way to the development of the economy. IU. Burlakov. Part. zhizn' Kazakh. 33 no. 11:10-20 N '63.

KAZAKHSTAN—AUDITING AND INSPECTION

Mass inspection of the safety of socialist property. Koop. Kazakh. 6 no. 7:10 O '63.

Thus your conscience prompts you. N. Zverev. Part. zhizn' Kazakh. 33 no. 11:58-60 N '63.

KAZAKHSTAN—BAKING

Mixed cultures of yeast used in bread baking. Report No. 3. D. L. Shamis, R. Sh. Masheeva, A. A. Tukibaeva. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:33-39 '63.

KAZAKHSTAN—BOOKSELLERS AND BOOKSELLING

If books are objects of concern. A. Artsishevskii. Koop. Kazakh. 6 no. 7:15-19 O '63.

KAZAKHSTAN—CLERKS (RETAIL TRADE)

Facts about the shop assistant. Sh. Shafiro. Koop. Kazakh. 6 no. 7:52-54 O '63.

KAZAKHSTAN—COLLECTIVE FARMS—INCOME DISTRIBUTION

Karimova, S. S. [Establishing work norms and wages on the collective farms of Kazakhstan] Normirovanie i oplata truda v kolkhozakh Kazakhstana. Alma-Ata, Kazakhskoe gos. izd-vo sel'khoz. lit-ry, 1962. 117 p.

KAZAKHSTAN—COMMUNISM

Post-Revolutionary development of Marxist-Leninist theory in Kazakhstan. T. D. Dzhumagazin, G. P. Karmyshev. Trudy Inst. filos. i prava AN Kazakh. SSR 8:108-129 '63.

KAZAKHSTAN—COMMUNITY AND SCHOOL

A great creative friendship. V. Olontsev. Part. zhizn' Kazakh. 33 no. 11:48-49 N '63.

KAZAKHSTAN—COOPERATIVE SOCIETIES

Current problems of Kazakhstan cooperators. R. Il'iashev. Koop. Kazakh. 6 no. 7:3-6 O '63.

KAZAKHSTAN—DEPARTMENT STORES—EMPLOYEES

The beginning of the path; a story. V. Kornienko. Koop. Kazakh. 6 no. 7:58-62 O '63.

KAZAKHSTAN—DIKES (GEOLOGY)

Distribution of dikes in the Kylchinskiy massif (central Kazakhstan). S. V. Efremova, IU. V. IUnakovskaia. Sov. geol. 6 no. 12 145-149 D '63.

KAZAKHSTAN—DUST STORMS

Dust storms in the West Siberian and Kazakhstan steppes K. F. Zhirkov Izv. AN SSSR. Ser. geog. no. 6 50-55 N-D '63

KAZAKHSTAN—ECONOMIC CONDITIONS

Akademiia nauk Kazakhskoi SSR, Alma-Ata, Institut istorii, arkheologii i etnografii. [History of the Kazakh S. S. R.; the epoch of socialism] Istoriia Kazakhskoi SSR, epokha sotsializma. Izd. 2., perer. i dop. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 910 p.

With factual language. T. Checheleva, T. Ashimbaev. Nar. khoz. Kazakh. 21 no. 9 77-78 S '63.

KAZAKHSTAN—ECONOMIC POLICY

Akademiia nauk Kazakhskoi SSR, Alma-Ata, Institut istorii, arkheologii i etnografii. [For Communist labor] Za kommunisticheskii trud; materialy nauchnoi sessii. Alma-Ata, 1963. 149 p. (Its: Trudy, v. 19) (Cst-it)

Nearer to life and production. V. Formin, P. Pirogov. Part. zhizn' Kazakh. 33 no. 11 24-30 N '63.

KAZAKHSTAN—FAMILY

Some problems concerning the disintegration of large families among the nations which bypassed the capitalist stage of historical development, based on the materials of Central Asia and Kazakhstan. B. K. Kozhamuratov. Trudy Inst. filos. i prava AN Kazakh. SSR 8:82-107 '63.

KAZAKHSTAN—FISHERIES

Follow-up of our materials. Nar. khoz. Kazakh. 21 no. 9:79-80 S '63.

KAZAKHSTAN—FLEAS AS CARRIERS OF DISEASE

Epizootiological role of the fleas of greater gerbils. Report No. 4. *Xenophylla skrjabini Ioff 1928*. V. A. Bibikova, V. I. Medvedevskikh, S. S. Dankov. Med. paraz. i paraz. bol. 32 no. 5 622 S-O '63.

KAZAKHSTAN—FUNGI, PHYTOPATHOGENIC

Vital activity of microscopic fungi in common reed used as building material. A. N. Ilialetdinov. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:157-162 '63.

KAZAKHSTAN—GEOLOGY

Akademiia nauk Uzbekskoi SSR, Tashkent. Otdelenie geologo-khimicheskikh nauk. [Problems of the geology of Central Asia and Kazakhstan] Voprosy geologii Srednei Azii i Kazakhstana. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 148 p.

KAZAKHSTAN—HEMORRHAGIC FEVER

Hemorrhagic fever in the southern districts of Kazakhstan. S. L. Rybalko and others. Med. paraz. i paraz. bol. 32 no. 5:610-620 S-O '63.

KAZAKHSTAN—HISTORY

Akademiia nauk Kazakhskoi SSR, Alma-Ata, Institut istorii, arkheologii i etnografii. [History of the Kazakh S. S. R.; the epoch of socialism] Istoriia Kazakhskoi SSR; epokha sotsializma. Izd. 2., perer. i dop. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 910 p.

A valuable historical study on the Sovietization of Kazakh auls. S. S. Ivashkin, M. S. Sagaliev. Ist. SSSR 7 no. 6: 170-174 N-D '63.

KAZAKHSTAN—HEIFERS

Controlled raising of Alatau heifers. A. V. Shatov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:44-51 S '63.

KAZAKHSTAN—INDUSTRIAL MANAGEMENT

Bureaus of economic analysis in enterprises of the Kazakh Economic Council. V. Radostovets. Bukhg. uchet 29 no. 11:55-56 N '63.

Caustic remarks. T. IAkovleva. Nar. khoz. Kazakh. 21 no. 9:70 S '63.

KAZAKHSTAN—INDUSTRIAL ORGANIZATION

Firm advantages are obvious. I. Polishchuk. Nar. khoz. Kazakh. 21 no. 9:53-55 S '63.

KAZAKHSTAN—INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

Follow-up of our materials. Nar. khoz. Kazakh. 21 no. 9:79-80 S '63.

KAZAKHSTAN—JOURNALISM, AGRICULTURAL

Don't get excited. V. Krupen'kin. Part. zhizn' Kazakh. 33 no. 11:79-80 N '63.

KAZAKHSTAN—LAND TENURE

Erenov, A. E. [Origin and development of the socialist legal theory of land relations in the Kazakh S. S. R.] Vozniknovenie i razvitie sotsialisticheskikh zemel'nykh pravootnoshenii v Kazakhskoi SSR. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 361 p. (MH)

KAZAKHSTAN—MACHINERY—DESIGN AND CONSTRUCTION

Place in the common ranks. V. Orlov. Nar. khoz. Kazakh. 21 no. 9 31-33 S '63.

KAZAKHSTAN—MANUFACTURES

Produce more beautiful articles of good quality. V. Maksimov. Nar. khoz. Kazakh. 21 no. 9·56-58 S '63.

KAZAKHSTAN—MICRO-ORGANISMS, NITROGEN-FIXING

Sporeforming aerobic nitrogen-fixing micro-organism. R. M. Kurdina. Trudy Inst. mikrobiol. i virus. AN Kazakh SSR 7 58-59 '63

KAZAKHSTAN—NEPHELITE

Nephelite is a comprehensive raw material. V. Ponomarev. Nar. khoz. Kazakh. 21 no. 9.58-59 S '63.

KAZAKHSTAN—REED (BOTANY)—DISEASES AND PESTS

Vital activity of microscopic fungi in common reed used as building material. A. N. Ilialetdinov. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7 157-162 '63.

KAZAKHSTAN—RESTAURANTS, LUNCHROOMS, ETC

We shall work with perseverance and inspiration. R. Il'inshev. Obshchestv. pit. no. 12:6-8 D '61.

KAZAKHSTAN—RUSSIAN NEWSPAPERS

The newspaper "Ural" as the champion of Marxist-Leninist ideas in Kazakhstan. M. S. Burabaev. Trudy Inst. filos. i prava AN Kazakh. SSR 8·146-167 '63.

KAZAKHSTAN—SOCIALIST PROPERTY

Mass inspection of the safety of socialist property. Koop. Kazakh. 6 no. 7.10 O '63.

KAZAKHSTAN—SOIL MOISTURE

Change in the moisture and physical properties of virgin soils under farm crops I. D. Gromyko. Dokl. TSKHA no. 47 209-214 '59.

KAZAKHSTAN—SOIL PHYSICS

Change in the moisture and physical properties of virgin soils under farm crops I. D. Gromyko Dokl. TSKHA no. 47:209-214 '59.

KAZAKHSTAN—SOILS—CLASSIFICATION

Economic valuation of land in connection with land utilization on the virgin-land state farms. G. A. Kuznetsov. Geog. i khoz. no. 12·9-12 '63.

KAZAKHSTAN—SOLONETZ SOILS

Some characteristics of Solonetz soils in the subzone of light-colored Chestnut soils in central Kazakhstan (with summary in English). N. I. Kotin. Pochvovedenie no. 10:23-33 O '63.

KAZAKHSTAN—STATE FARMS—VALUATION

Economic valuation of land in connection with land utilization on the virgin-land state farms. G. A. Kuznetsov. Geog. i khoz. no. 12:9-12 '63.

KAZAKHSTAN—STONE INDUSTRY

Supply Kazakhstan with a stonecutting industry. V. Churbanov. Nar. khoz. Kazakh. 21 no. 9:58-60 S '63.

KAZAKHSTAN—STRIP MINING—TECHNOLOGICAL INNOVATIONS

Always in search. E. Poring. Nar. khoz. Kazakh. 21 no. 9.36-38 S '63.

KAZAKHSTAN—TELECOMMUNICATION—EMPLOYEES

Contribution of the communication workers of Zyryanovsk to the regional administration. N. G. Simakov. Vest. sviazi 22 no. 11:22-23 N '62.

KAZAKHSTAN—TRACTORS—MAINTENANCE AND REPAIR

A machine is like its operator. I. Mikhal'kevich. Sel'. mekh. no. 10:16-17 O '63.

KAZAKHSTAN—UNDERGROUND LITERATURE

"Iskra" in Vernyi. A. Bagratiantsev. Part. zhizn' Kazakh. 33 no. 11·53-55 N '63.

KAZAKHSTAN—VALLEYS

Structure of reaches in the valleys of temporary channels in central Kazakhstan. S. A. Sladkopevtsev. Izv. Vses. geog. ob-va 95 no 5 449-450 S-O '63.

KAZAKHSTAN—WAGES—PROSPECTING

An indeed... (in reference to past reading). N. Klenchin, V. IAkubovskii, I. Pautov. Nar. khoz. Kazakh. 21 no. 9:34 S '03.

KAZAKHSTAN—WATER RESOURCES DEVELOPMENT

Hydrochemical zoning of interstitial waters in northern Kazakhstan and conditions governing the exploitation of fresh waters. B. G. Samsonov, V. V. Chizhikov. Sov. geol. 6 no. 12·133-138 D '63.

KAZAKHSTAN—WATER SUPPLY

Calculation of changes in the humidity and air temperature during the motion of an air current over a water surface. A. P. Braslavskii. Probl. gidroenerg. i vod. khoz. no. 1:138-157 '63.

Hydrology and water resources of arid regions. D. L. Sokolovskii. Probl. gidroenerg. i vod. khoz. no. 1:5-9 '63.

Methods for the practical calculation of water supply guaranteed to hydroelectric power stations. V. P. Zakharov, V. IA. Kim, Sh. Ch. Chokin. Probl. gidroenerg. i vod. khoz. no. 1 10-52 '63.

Operational and design problems in regulating river runoff. E. V. TSvetkov. Probl. gidroenerg. i vod. khoz. no. 1 168-198 '63.

System of the characteristics of annual uneven runoff of rivers. N. S. Kalachev. Probl. gidroenerg. i vod. khoz. no. 1·120-137 '63.

KAZAKHSTAN—WINDBREAKS, SHELTERBELTS, ETC.

Shelterbelt afforestation in Western Siberia and northern Kazakhstan. IU. M. Zhdanov, A. F. Semin. Vest. sel'khoz nauki [Kazakh.] 6 no. 9 89-90 S '63.

KAZAN—CHEMICAL INDUSTRIES

The contribution of Tatar chemists. V. Mikhailov. Agitator no. 21:48 N '63.

KAZAN—HEARING AIDS

Why is there such red tape? S. Balalykova. Sots. obesp. 24 no. 9 45-46 S '63.

KAZAN—NEUROPATHOLOGICAL SOCIETIES

On the 70th anniversary of the Kazan Society of Neuropathologists and Psychiatrists. I. S. Bolotovskii. Kaz. med. zhur. no. 5 98-101 S-O '63.

KAZAN—PSYCHIATRIC SOCIETIES

On the 70th anniversary of the Kazan Society of Neuropathologists and Psychiatrists. I. S. Bolotovskii. Kaz. med. zhur. no. 5:98-101 S-O '63.

KEDROVAYA PAD' PRESERVE—PLOVERS

Systematic position of the Ussuri ringed plover Charadrius hiaticula placidus Gray et Gray (based on ecologic data) with summary in English). E. N. Panov. Zool. zhur. 42 no. 10 1546-1553 '63.

KAZANLIK REGION, BULGARIA—ATTAR OF ROSES

Aroma of the valley of roses. Aleksandr Petrov, Emil' Khristov. Znan. sila 38 no. 9.22-23 S '63.

KEFIR

Device for continuous automatic control and indication of kefir acidity in the tank production method. L. P. Brusilovskii, A. IA. Vainberg, T. A. Kabanova. Trudy VNIMI [Mol.] no. 22;28-38 '62.

KEMEROVO PROVINCE—EMPLOYEES REPRESENTATION IN MANAGEMENT

Workers' participation in industrial management. A. Eshtokin. Part. zhizn' no. 24:15-20 D '63.

KEMEROVO PROVINCE—FARM MECHANIZATION

Over-all mechanization is the basis for increasing labor productivity. S. Petiaev. Ekon. sel'khoz. 34 no. 11: 67-72 N '63.

KEMEROVO PROVINCE—JUSTICE, ADMINISTRATION OF

Presidium of our province court directs the work of people's courts. P. Borod'ko. Sov. iust. no. 20 23 O '63.

KEMEROVO REGION—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

We are expert adjusters. N. Konovalov, V. Zaikin. Sel'. mekh. no. 10;18 O '63.

KENNEDY, JOHN FITZGERALD, 1917-1963

Soviet public figures on the vicious murder of President Kennedy. Nov. vrem. 21 no. 48·7 N '63.

Who killed President Kennedy? Sovremennik. Nov. vrem. 21 no. 48:5-7 N '63.

KENYA—ECONOMIC CONDITIONS

Kenya yesterday and tomorrow. M. Domogatskikh. Ogonek 41 no. 46·18-19 N '63.

KENYA—INVESTMENTS, BRITISH

The colonizers' plots against Kenya. M. Zenovich. Az. i Afr. seg. no. 12:50-51 D '63.

KENYA—POLITICS AND GOVERNMENT

Independent Kenya, her past and future. V. Sidenko. Nov. vrem. 21 no. 50:11-13 D '63.

Kenya attains freedom. V. Varyshnikov. Mezhdunar. zhizn' 10 no. 11·139-141 N '63.

Kenya yesterday and tomorrow. M. Domogatskikh. Ogonek 41 no. 46:18-19 N '63.

KENYATTA, JOMO, 1893-

Jomo Kenyatta. Nov. vrem. 21 no. 51·26 D '63.

KERATOSIS

Cornification of the lacunar epithelium of the tonsils [with summary in English]. N. N. Barmina. Arkh. pat. 25 no. 7:61-67 '63.

KERCH—PRODUCTION STANDARDS

Improve production standards in Kerch plants. M. I. Dan'shin, M. S. Brin. Standartizatsiia 27 no. 11:45-46 N '63.

KERCH, BATTLE OF, 1944

In an amphibious assault. M. Lerner. Voen. vest. 43 no. 10·11-14 O '63.

KERNAVE—BRONZES

On the so-called "Perkunas idol" from Kernave. V. P. Darkevich. Sov. arkheol. 7 no. 4·221-224 '63.

KESSENIKH, VLADIMIR NIKOLAEVICH, 1903-

Vladimir Nikolaevich Kessenikh; on his 60th birthday. Izv. vys. ucheb. zav., fiz. no. 5.185-186 '63.

KETMEN' RANGE REGION—SOILS

Soil cover in the piedmont plain of the Ketmen' Range and the adjacent left bank of the Ili River. K. Sh. Faizov, A. B. Kurmangaliev. Trudy Inst. pochv. AN Kazakh. SSR 15:44-66 '63.

KETONES

Oxidation of butylenes to methyl ethyl ketone in the presence of palladium chloride. B. L. Kozik, S. V. Pestrikov, A. P. Savel'ev. Khim. i tekh. topl. i masel 8 no. 11.11-15 N '63.

Synthetic cyclopentylalkyl ketones. A. N. Nifiazov, E. S. Khabaeva. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1·103-106 '62.

KEYS AND KEYWAYS (STEELWORK)

Roller-type keys. N. V. Sergeev. Izm. tekh. no. 12:14 D '63.

KHABAROVSK—INFLUENZA

Clinical aspects of influenza in Khabarovsk (with summary in English). A. K. Piotrovich, G. S. Koval'skii. Klin. med. 41 no. 7 117-120 Jl '63.

KHABAROVSK ECONOMIC REGION—TECHNOLOGICAL INNOVATIONS

Conducting competition in enterprises of the Khabarovsk Economic Council. Opyt rab. po tekh. inform. i prop. no. 2:37 '63.

KHABAROVSK TERRITORY—RECLAMATION OF LAND

Problems of developing new lands in Khabarovsk Territory. S. D. Sokolova. Geog. i khoz. no. 12;10-23 '63.

KHAKASS AUTONOMOUS PROVINCE—HISTORY

"Studies on the history of Soviet Khakassia, 1917-1961." Reviewed by Z. V. Gogolev. Ist. SSSR 7 no. 6.168-170 N-D '63.

KHAKASS AUTONOMOUS PROVINCE—JEHOVAH'S WITNESSES

Andibur, M. V. [Before the court of the Soviet people] Pered sudom naroda. [Literaturnaia zapis', predislovie i istoricheskaia spravka P. S. Dorgeeva i A. M. Mishurova]. Abakan, Khakasskoe knizhnoe izd-vo, 1963. 109 p.

KHAKASS LANGUAGE

Abakan. Khakasskii nauchno-issledovatel'skii institut iazyka, literatury i istorii. [Problems in Khakass philology] Voprosy khakasskoi filologii; sbornik statei. Abakan, Khakasskoe knizhnoe izd-vo, 1962. 135 p. (MH)

KHAKASS LITERATURE

Abakan. Khakasskii nauchno-issledovatel'skii institut iazyka, literatury i istorii. [Problems in Khakass philology] Voprosy khakasskoi filologii; sbornik statei. Abakan, Khakasskoe knizhnoe izd-vo, 1962. 135 p. (MH)

KHALCHAYAN—ARCHITECTURE, ANCIENT

History of the ancient construction technique in Bactria-Tokharistan. G. A. Pugachenkova. Sov. arkheol. 7 no. 4:72-84 '63.

KHANTAYKA VALLEY—GEOLOGY, STRUCTURAL

Block structure of the Khantayka-Severnaya Interfluve. V. S. Golubkov, A. I. Atlasov. Inform. sbor. NIIGA no. 30;36-41 '62.

KHANTY-MANSIYSK NATIONAL AREA—PODZOL

Brief characterization of the Podzols of the Khanty-Mansi National Area. K. V. Kalashnikov. Dokl. TSKHA no. 47: 179-183 '59.

KHANTY-MANSIYSK NATIONAL AREA—SOIL FORMATION

Features of soil formation in relation to relief in the Khanty-Mansi National Area. M. V. Markova. Dokl. TSKHA no. 47·186-197 '59.

KHARKOV—COKE INDUSTRY

In the Kharkov Coke and Coal Chemicals Plant. T. I. Demina. Koks i khim. no. 11;62 '63.

KHARKOV—COMMUNIST EDUCATION

A "workshop" of propagandists. M. TSybul'skii. Komm. Ukr. 38 no. 11:43-47 N '62.

KHARKOV—DIESEL LOCOMOTIVES

New scientific discoveries and technological innovations. Ukraina no. 9:4-5 My '62.

KHARKOV—ORTHOPEDIC SOCIETIES

Historical characteristics of the scientific, organizational and social activities of the Kharkov Scientific Society of Traumatologists and Orthopedists. V. S. Kostrikov, A. A. Korzh. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15, 17-22 '59.

KHARKOV—SCHOOL ACCIDENTS

School injuries in Kharkov and measures for their prevention. G. M. Sokol. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15, 145-149 '59

KHARKOV—SCHOOLCHILDREN—FOOD

Our goal: hot lunch for every schoolchild. L. Volontsova. Obshchestv. pit. no. 9:32-33 S '63.

KHARKOV—TRACTOR INDUSTRY

Repair of equipment by units at the Kharkov Tractor Plant. E. TSyganov. Mashinostroitel' no. 10 9 O '63.

KHARKOV—TRACTOR INDUSTRY—COSTS

Long-lasting norms for planning workshop production costs. D. Manevich, V. Klochko. Plan. khoz. 40 no. 12:36-42 D '63.

KHARKOV PROVINCE—COMMUNIST YOUTH LEAGUE

Militukha, V. T., V. P. Mysnichenko, and IA. E. Donskoi. [Tribe of the brave; stories about the underground work of the Communist Youth League Organization of Kharkov Province] Plemia otvazhnykh, ocherki o rabote podpol'noi komsomol'skoi organizatsii Khar'kovshchiny. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 67 p.

KHARKOV PROVINCE—*GAS, NATURAL*

Crater of a steppe volcano. IU. Krivonosov. Ogonek 41 no. 52:10-11 D '63.

KHARKOV PROVINCE—MEDICAL SOCIETIES

Activity of the Section of Historians of Medicine of the Kharkov Province Hygienic Society. P. T. Petrov. Sov. zdrav. 22 no. 7:91-93 '63.

KHARKOV PROVINCE—NEWSPAPERS

Grebov, G. M. [Militant helpers of the Communist Party; the struggle of the Soviet press for the fulfillment of the resolutions of the 22d Congress of the CPSU] Boevye pomoshchniki partii; bor'ba sovetskoi pechati za vypolnenie reshenii XXII s"ezda KPSS. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1962. 70 p.

KHARKOV PROVINCE—PUBLIC PROSECUTORS

In the Office of the Public Prosecutor of the Ukrainian S. S. R. Sots. zakon. 40 no. 10:76 O '63.

KHARKOV PROVINCE—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

[In the battles for Kharkov Province; reminiscences of the veterans of the Great Patriotic War] V boiakh za Khar'kovshchinu, vospominaniia uchastnikov Velikoi Otechestvennoi voiny. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 393 p. illus.

KHARKOV PROVINCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Militukha, V. T., V. P. Mysnichenko, and IA. E. Donskoi. [Tribe of the brave; stories about the underground work of the Communist Youth League Organization of Kharkov Province] Plemia otvazhnykh; ocherki o rabote podpol'noi komsomol'skoi organizatsii Khar'kovshchiny. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 67 p.

KHARKOV REGION—GEOLOGY, STRATIGRAPHIC

Cross section of Mesozoic sediments in the Kharkov key hole. A. M. Pan'kiv, B. P. Sterlin, S. A. Tkhorzhevs'kyi. Geol. zhur. 23 no. 5:96-99 '63.

KHERSON—ELECTRIC WELDING

Introduction of welding in a carbon dioxide medium at the Kherson Combine Plant. B. I. Vinnik. Mashinostroenie no. 6:53-55 N-D '63.

KHEYSA ISLAND—DIATOMS

Some data on the diatoms of Kheysa Island (Franz Josef Land) [with summary in English]. L. M. Zauer. Vest. LGU 18 no. 21:27-37 '63.

KHIBINY—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

We spend our youth beyond the Arctic Circle. IU. Pompeev. Komsom. zhizn' no. 20:7-9 O '63.

KHINCHIN, ALEKSANDR IAKOVLEVICH, 1894-1959

Didactic problems in pedagogical articles of a prominent Soviet mathematician. A. M. Sokhor. Sov. pedag. 27 no. 11:150-152 N '63.

KHIVA DISTRICT—COTTON-PICKING MACHINERY

Progressive practice should be introduced into production. M. Khudaybergenov. Part. zhizn' [Uzb.] 6 no. 10: 27-30 O '63.

KHIVA DISTRICT—WOMEN IN AGRICULTURE

"The family carriage." A. Babadzhanov. Part. zhizn' [Uzb.] 6 no. 6:68-69 Je '63.

KHMEL'NITSKIY PROVINCE—ATHEISM—STUDY AND TEACHING

Atheistic meetings. G. Mukvich. Part. zhizn' no. 22:55-57 N '63.

KHOMUTOVKA DISTRICT—AGRICULTURAL ADMINISTRATION

Land planning in connection with regional planning. G. Cheshikhin, V. Troitskii. Ekon. sel'khoz. 32 no. 7:88-96 Jl '61.

KHOMUTOVKA DISTRICT—ECONOMIC POLICY

Land planning in connection with regional planning. G. Cheshikhin, V. Troitskii. Ekon sel'khoz. 32 no. 7:88-96 Jl '61.

KHOREZM PROVINCE—RAILROADS—EMPLOYEES

New members of our party bureau have zealously begun their work. M. Rudenko. Part. zhizn' [Uzb.] 5 no. 19: 61-63 O '62.

KHUBSUGUL, LAKE—NAVIGATION

Fifty years of navigation on the Lake Khubsugul. B. Bogdanov. Rech. transp. 22 no. 10 55 O '63.

KIANG see subdivision under Badkhyz Preserve

KIBRIK, EVGENII ADOL'FOVICH, 1906

Evgenii Kibrik. V. Rakitin. Iskusstvo 26 no. 7:18-27 '63.

KIDNAPPING see subdivision under Germany, East

KIDNEY FUNCTION TESTS

Experimental data on the function of the kidneys in temporary constriction of the abdominal aorta; preliminary report. I. L. Mastika. Zdravookhranenie 6 no. 5:32-34 S-O '63.

Kidney function tests in peptic ulcer of the stomach and duodenum. B. S Entin Zdrav Bel. 9 no. 3:25-26 Mr '63

KIDNEYS

Motor renal reflexes in pathology. M. R. Mogendovich, M. G. Ryklin. Eksp. issl. po fiziol., biokhim. i farm. no. 3:49-60 '61.

KIDNEYS—BLOOD SUPPLY

Possibility of using the splenic artery for the blood supply of the left kidney [with summary in English]. S. I. Elizarovskii. Vest. khir. 90 no. 6:55-60 Je '63.

KIDNEYS—DISEASES

Blood proteins in patients with diffuse nephritis. G. G. Sedoi. Vrach. delo no. 11:141-143 N '63.

Case of infectious hemorrhagic nephrosonephritis in Gorkiy Province. D. D. Nefedov. Med. paraz. i paraz. bol. 32 no. 5:620 S-O '63.

Changes in phosphorus and calcium metabolism and transformations in the bones in nephropathies in children [with summary in English]. I. N. Usov. Pediatriia 41 no. 7:47-50 Jl '63.

Development of autoantigenic properties in experimental renal hypertension [with summary in English]. A. I. Prokhurovskii. Vrach. delo no. 11:39-43 N '63.

Diet during kidney diseases. V. A. Oleneva. Zdorov'e 9 no. 10:21-22 O '63.

Dynamics of blood protein fractions during corticosteroid therapy of children with the nephrotic syndrome. E. T. Kosseva. Pediatriia 41 no. 7, 59-62 Jl '63.

Electrolyte exchange in pediatric nephropathy. I. N. Usov. Dokl. AN BSSR 7 no. 5:353-356 My '63.

Problem of the so-called extrarenal hyperazotemia in pneumonia, experimental research [with summary in English]. Lubomir St. Teodosiev. Arkh. pat. 25 no. 6:53-57 '63.

Results of the use of the artificl acute renal insufficiency follov A. N. Tetradov and others. Zd 28-31 S-O '63.

Some problems of resuscitation i S. D. Goligorskii. Zdravookhr O '63.

KIDNEYS—DISPLACEMENT

Clinical aspects of nephroptosi English]. IU. A. Abramov. N '63.

KIDNEYS—INFLAMMATION

Nonspecific pyelonephritis in re Naku, R. N. Shoiket. Zdravoo S-O '63.

KIDNEYS—RADIOGRAPHY

Supplementary method of exam of kidney tumors. L. A. Iel' 123-135 '61.

KIDNEYS—TUBERCULOSIS

Nonspecific pyelonephritis in Naku, R. N. Shoikhet. Zdrav S-O '63.

KIDNEYS—TUMORS

Tumors of the renal pelvis. V. G. Astakhina. Vop. klin. pat. no. 2:109-122 '61.

KIEV—ART GALLERIES AND MUSEUMS

Stands of the Kiev museum. Inna Andreichenko. Ogonek 41 no. 50, 8 D '63.

KIEV—CHURCH ARCHITECTURE—DETAILS

Graffiti on the sarcophagus of Vsevolod YAroslavich. S. A. Vysotskii. Sov. arkheol. 7 no. 4:228-232 '63.

KIEV—CLOTHING INDUSTRY—MANAGEMENT

Work of a bureau of economic analysis staffed with volunteers G. Berezovskii, L. Khamish. Bukhg. uchet 20 no. 11, 52-53 N '53

KIEV—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Supernumerary instructors of a district party committee at work. E. Podvysotskii, V. Furman. Komm. Ukr. 36 no. 11:54-59 N '62.

KIEV—COMMUNIST YOUTH LEAGUE

What makes a man happy. G. Strokov. Mol. komm. no. 9:3-11 S '63.

KIEV—COMMUNITY LIFE

The oral newspaper "Nasha zhizn'." A. Lebedev. Agitator no. 21:35-36 N '63.

KIEV—EXHIBITIONS

French exhibition of electronic measuring instruments and equipment. A. M. Bondarev. Izm. tekh. no. 11:56-57 N '63.

KIEV—GRAFFITI

Graffiti on the sarcophagus of Vsevolod YAroslavich. S. A. Vysotskii. Sov. arkheol. 7 no. 4:228-232 '63.

KIEV—HISTORY

First student of the history of Kiev. H. Shovkoplias. Ukraina no. 9:23 My '62.

KIEV—LABORATORIES

Laboratories of our scientists. O. Mazurenko. Ukraina no. 12:13-14 Je '62.

KIEV—REINFORCED CONCRETE CONSTRUCTION

Method of manufacturing reinforced concrete rings with a 3, 5m diameter. P. M. Bondarenko, V. T. Marishchuk, L. P. Panov. Transp. stroi. 13 no. 9:65-66 S '63.

KIEV—RESTAURANTS, LUNCHROOMS, ETC.

The "Metro" restaurant. S. Shalimov. Obshchestv. pit. no. 9:55-57 S '63.

KIEV—REVOLUTION OF 1905

Letter to my reviewer. I. N. Bondarenko. Ist. SSSR 7 no. 6:143-148 N-D '63.

My answer to I. N. Bondarenko. G. M. Derenkovskii. Ist. SSSR 7 no. 6:148-160 N-D '63.

KIEV—THEATER

Wind of the revolution and the wind of freedom. Mykola Makarenko. Ukraina no. 11, 12-13 Je '62.

KIEV, BATTLE OF, 1941

Mute witnesses of military valor. A. Blazhei. Voen.-ist. zhur. 5 no. 10:49-52 O '63.

KIEV, BATTLE OF 1943

Heroic defense of the capital of the Soviet Ukraine. I. Bagramian. Voen.-ist. zhur. 5 no. 10:53-66 O '63.

[illegible] battles for Kiev G Desnitskii. Voen. vest. 43

KILNS

Construction and start-up of annular kilns and tunnel kilns without frames. I. Zaika Stl' bud. 12 no.1-11-12 Ja '62

Operation of an annular kiln without a stack. G. Kybal'nyk. Stl' bud. 12 no 1-16 Ja '62.

KILNS—COOLING

Kuchino. Gosudarstvennyi nauchno-issledovatel'skii institut stroitel'noi keramiki. [Brief handbook on the cooling of ring kilns, reduction of temperatures in the areas of the setting and withdrawal of bricks] Kratkoe rukovodstvo po okhlazhdeniiu kol'tsevykh pechei, snizhenie temperatur v zonakh sadki i vygruzki kirpicha. Moskva, Gosstroiizdat, 1963. 70 p

KILNS—EQUIPMENT AND SUPPLIES

Service of forsterite lightweight bricks in the lining of furnace cars. V. D. TSigler, S. B. Vinokur, N. S. Mitrokhina. Ogneupory 28 no. 11 504-508 '63.

KILNS, ROTARY

Complete automation of tubular rotary kilns. I. B. Shramko. Tsvet. met. 36 no. 10 41-50 O '63.

KIMBERLITE

(see also subdivision under Anabar Valley, Olenek Valley, Siberian Platform, Yakutia)

Alkalinity and differentiation of kimberlite magma. A. A. Lebedev. Trudy IAFAN AN SSSR. Ser. geol. no. 9:88-98 '63.

Products of metamorphism in the area of contact between kimberlites, enclosing rocks, and inclusions. V. G. Zol'nikov. Trudy IAFAN AN SSSR. Ser. geol. no. 9:65-87 '63.

Serpentinization in kimberlites. A. A. Lebedev, G. I. Smirnov. Trudy IAFAN AN SSSR. Ser. geol. no. 9:103-105 '63.

Use of the paleomagnetic method for determining the age of kimberlites and trap rocks. D. I. Savrasov. Trudy IAFAN AN SSSR. Ser. geol. no. 9:162-171 '63.

KINDERGARTEN

[Aesthetic training in kindergarten] Esteticheskoe vospitanie v detskom sadu. Moskva, Uchpedgiz, 1963. 174 p.

Kovrigina, M. D., ed. [Nurse-teacher for day nurseries and for the younger groups in kindergartens] Sestra-vospitatel'nitsa detskikh lasloi i mladshikh grupp iasleisadov. Moskva, Medgiz, 1963. 547 p. (DNLM)

Organizing interpersonal relations in play with rules. L. Artemova. Doshk. vykh. no. 11:3-8 N '63.

The work of volunteers. M. Savich. Belarus' 20 no. 10:5 O '63.

KINDERGARTEN—MUSIC

Kalava, E. E., L. N. Kondrashova, and S. D. Rudneva, comps. [Musical games and dance in a kindergarten, an aid to kindergarten music teachers] Muzykal'nye igry i pliaski v detskom sadu; posobie dlia muzykal'nykh rukovoditelei detskikh sadov. Izd. 2., ispr. i dop. Leningrad, Uchpedgiz, 1963. 398 p.

KINDERGARTENS

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.

Pt. 2, Sec. L, ch. 3. [Specifications for the design of nurseries and kindergartens] Detskie lasli-sady; normy proektirovaniia (SNiP II-L.3-62). 1962. 11 p.

KINEL' DISTRICT—INSURANCE, SOCIAL

Everything changed for the better. A. Nazarov. Sots. obesp. 24 no. 9:4-6 S '63.

KIRGHIZISTAN—ECONOMIC CONDITIONS

In the constellation of fraternal republics. K. Kulmatov. Mol. komm. no. 9:104-106 S '63.

Living in friendship with the great Russian people. A. Tokombaev. Part. zhizn' Kazakh. 33 no. 11:50-52 N '63.

KIRGHIZISTAN—ECONOMIC GEOGRAPHY

Valuable study on the economic geography of Kirghizistan. S. Orozaliev. Izv. Kir. fil. Geog. ob-va SSSR no. 4, 81-84 '63.

KIRGHIZISTAN—GEOGRAPHICAL SOCIETIES

Brief news. Izv. Kir. fil. Geog. ob-va SSSR no. 4:85-93 '63.

KIRGHIZISTAN—GEOGRAPHY

Academician L. S. Berg's letters. Izv. Kir. fil. Geog. ob-va SSSR no. 4:15-17 '63

L. S. Berg's role in the geographical study of Kirghizistan. S. Umurzakov. Izv. Kir. fil. Geog. ob-va SSSR no. 4:49-56 '63.

KIRGHIZISTAN—HISTORY

Akademiia nauk Kirgizskoi SSR, Frunze. Institut istorii. [History of Kirghizistan] Istoriia Kirgizii. Frunze, Kirgizskoe gos. izd-vo, 1963. 2 v.

KIRGHIZISTAN—INSCRIPTIONS

[Epigraphy in Kirghizistan] Epig. Kir. no. 1 '63. 75 p.

KIRGHIZISTAN—JOURNALISM

In a large and friendly family. Part. zhizn' no. 21:73-75 N '63.

KIRGHIZISTAN—NATIONALITIES

Akademiia nauk Kirgizskoi SSR, Frunze. Institut istorii. [Triumph of the idea of proletarian internationalism and friendship among the peoples of Soviet Kirghizistan] Torzhestvo idei proletarskogo internatsionalizma i druzhby narodov v Sovetskom Kirgizistane. Frunze, Kirgizskoe gos. izd-vo, 1963. 201 p.

KIRNOSOV, ALEKSEI ALEKSEEVICH

Against the wind; on the tales "Simple sea" by A. Kirnosov. K. Matveenko. Zvezda no. 5:207-208 My '62.

KIROV, SERGEI MIRONOVICH, 1886-1934

Pushkarev, G. M. [In the struggle for the worker's cause, S. M. Kirov in Siberia] V bor'be za rabochee delo, S. M. Kirov v Sibiri. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1959. 171 p. (NIC)

KIROV PROVINCE—BIOGRAPHY

Monoszon, I. I., and N. G. Komarov, comps. [Men of Kirov Province, heroes of the Soviet Union] Kirovchane, geroi Sovetskogo Soiuza. [2., dop. i perer. izd. Kirov] Kirovskoe knizhnoe izd-vo, 1963. 446 p. (MH)

KIROV PROVINCE—COLLECTIVE FARMS—FINANCE

Amortization fund on collective farms. IA. Kagner. Plan. khoz. 40 no. 11:42-48 N '63.

KIROV PROVINCE—COLLECTIVE FARMS—MANAGEMENT

Administer production without intermediate subdivisions. B. Sozinov. Ekon. sel'khoz. 34 no. 11:79-81 N '63.

KIROV PROVINCE—GEOGRAPHY—STUDY AND TEACHING

Province-wide conference on school tourism and local geography. Sov. pedag. 27 no. 9:157-158 S '63.

KIROV PROVINCE—SCHOOL EXCURSIONS

Province-wide conference on school tourism and local geography. Sov. pedag. 27 no. 9:157-158 S '63.

KIROVAKAN—CHEMICAL INDUSTRIES

Chemists improve industrial production. M. Babaian. Prom. Arm. 6 no. 9:47-49 S '63.

KIROVOGRAD—LABOR DISCIPLINE

A cordial man. M. Nadakhovskii. Agitator no. 21:40-41 N '63.

KIROVOGRAD—MACHINERY INDUSTRY

Service to men. I. Bratchenko. Part. zhizn' no. 21:55-57 N '63.

KIROVOGRAD PROVINCE—AUXILIARY POLICE

Voluntary policemen of a railroad terminal. I. Vedmid'. Rad. pravo no. 6:38-39 N-D '63.

KIROVOGRAD PROVINCE—CONSTRUCTION INDUSTRY

Let's make more effective use of capital investment in construction by collective farms. T. Motorna. Stl'. bud. 12 no. 1:17-18 Ja '62.

KIROVSK (MURMANSK PROVINCE)—MEDICAL CARE

Valuable beginning (work of the Bureau of Medical Care). G. N. Kolosov. Fel'd. i akush. 28 no. 11:13-15 N '63.

KIROVSKIY DISTRICT (NORTH OSSETIA)—EDUCATION

Four years have passed. I. Dmitriev. Nar. obr. no. 12: 18-20 D '63.

KIUKHEL'BEKER, VIL'GEL'M KARLOVICH, 1797-1846—FICTION

Tynianov, IU. N. Kiukhlia. Moskva, Izd-vo khudozh. lit-ry, 1964. 361 p. (Biblioteka istoricheskogo romana)

KIZI-TABO CANAL

Pressing problem; importance to the national economy of the building of the Kizi-Tabo Canal. S. Cherniak, N. Isakov, G. Gangardt. Rech. transp. 22 no. 11:14-15 N '63.

KIZILTEPE DISTRICT—COTTON GROWING

Let us exploit all hidden potentialities! R. Avezov, IU. Khromov. Part. zhizn' [Uzb.] 5 no. 10 68-69 O '62.

KIZILVANK—HUMAN FIGURE IN ART

Man's image on a slab from Kizil-Vank. A. A. Iessen. Krat. soob. Inst. arkheol. no. 94:98-100 '63.

KLAYPEDA, LITHUANIA see Memel

KLEMENTS, DMITRII ALEKSANDROVICH, 1848-1914

D. A. Klements as an archaeologist. M. A. Devlet. Sov. arkheol. 7 no. 4:3-9 '63.

KLIMASHIN, VIKTOR SEMENOVICH, 1912-

Kravchenko, P. A. Viktor Semenovich Klimashin. Moskva, Sovetskii khudozhnik, 1958. 110 p. Illus., plates. (MH)

KLIMOVO (BRYANSK PROVINCE)—CORNSTARCH

New developments in the technology of corn processing in the Klimovo Starch and Molasses Plant. A. M. Prikhod'ko. Sakh. prom. 37 no. 10:45-47 O '63.

KLUPT, VENIAMIN SOLOMOVICH, 1898-1963

In memory of V. S. Klupt. Izv. AN SSSR. Ser. geog. no. 6 142-143 N-D '63.

KLYAZ'MA VALLEY—AZOTOBACTER

Distribution of Azotobacter in the floodland soils of the Moskva and Klyaz'ma Rivers. L. A. Sergunina. Pochv. rus. rav. no. 2.141-145 '63.

KLYAZ'MA VALLEY—BIRCH

Birch groves in bogs of the Klyaz'ma Valley. L. N. Bykova. Pochv. rus. rav. no. 2 182-190 '63.

KLYAZ'MA VALLEY—FOREST SOILS

Characteristics of oak forest soils in the floodlands of the Klyaz'ma River. B. P. Gradusov. Pochv. rus. rav. no. 2.173-181 '63.

KLYAZ'MA VALLEY—GASES IN SOILS

Gas content of soils in the floodlands of the Klyaz'ma River. M. T. IAstrebov. Pochv. rus. rav. no. 2. 102-122 '63.

KLYAZ'MA VALLEY—GRASSES

Nitrogen and ash content of meadow vegetation in the floodlands of the Klyaz'ma River. L. N. Bykova, N. G. Zyrin. Pochv. rus. rav. no. 2:77-101 '63.

KLYAZ'MA VALLEY—SOIL FAUNA

Soil fauna in the floodlands of the middle Klyaz'ma River. IU. G. Gel'tser. Pochv. rus. rav. no. 2:123-140 '63.

KLYAZ'MA VALLEY—SOIL MICRO-ORGANISMS

Actinomyces as factors of toxicity floodland soils in the Klyaz'ma River. I. P. Bab'eva, L. N. Khadzhi-Murat, IU. V. Kaptereva. Pochv. rus. rav. no. 2.146-157 '63.

KNEE—BLOOD SUPPLY

Topography of the tibial nerve in the popliteal fossa and its relation to the popliteal vessels [in Armenian with summary in Russian]. L. V. Vartanian. Zhur. eksp. i klin. med. 3 no. 4:81-83 '63.

KNEE—INNERVATION

Topography of the tibial nerve in the popliteal fossa and its relation to the popliteal vessels [in Armenian with summary in Russian]. L. V. Vartanian. Zhur. eksp. i klin. med. 3 no. 4:81-83 '63.

KNEE—SURGERY

Immediate results of treatment of tuberculous gonitis by the combined method consisting of synovectomy and antibacterial therapy. I. I. Tal'ko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:287-292 '59.

Recurrent embolism of the popliteal artery. M. P. Villanskii, N. V. Kaigorodova. Vest. khir. 90 no. 6: 120-121 Je '63.

KNEE—TUBERCULOSIS

Immediate results of treatment of tuberculous gonitis by the combined method consisting of synovectomy and antibacterial therapy. I. I. Tal'ko. Trudy Ukr. nauch.-issl. inst. ortop. travm. no. 15:287-292 '59.

NEE—WOUNDS AND INJURIES

Histomechanical characteristics (strength, tensility, elasticity) of the ligaments of the knee joint in connection with their traumatic injuries. O. V. Nedrigailova. Trudy Ukr. nauch. -issl. inst. ortop. i travm. no. 15 303-310 '59.

Injuries of the meniscl in miners; according to materials of the Stalino Province Traumatological Hospital. A. D. Trifonova. Trudy Ukr. nauch. -issl. inst. ortop. i travm. no. 15:199-202 '59.

KNITTING MACHINES

Widening process in the manufacture of knitted fabrics on the new Cotton knitting machine. L. K. Vashchinskii. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 5:84-90 '63.

KNOTS AND SPLICES

Beliaev, L. M. [Safety measures in knotting and splicing operations in shipbuilding] Tekhnika bezopasnosti pri takelazhnykh rabotakh v sudostroenii. Leningrad, Sudpromgiz, 1963. 61 p. (Bibliotechka po tekhnike bezopasnosti)

KNOWLEDGE, THEORY OF

Gnoseological aspects of the basic problem of philosophy. P. D. Seitov. Obshchestv. nauki v Uz. 7 no. 8:27-33 '63.

KOBYLIANS'KA, OL'HA, 1863-1942

The art of literary portrayal. O. K. Babyshkin. Rad. lit. 7 no. 6:96-102 N-D '63.

O. Kobylians'ka. S. Grigoriants. V mire knig 3 no. 10: 28 O '63.

Ol'ha Kobylians'ka. T. Tarasova. Rab. i sial. 39 no. 11. 11 N '63.

Ol'ha Kobylians'ka and Petko Todorov. N. O. Tomashuk. Mizhslov. lit. vzaiem. no. 3:93-107 '63.

[Ol'ha Kobylians'ka in criticism and reminiscences] Ol'ha Kobylians'ka v krytytsi ta spohadakh. Kyiv, Derzhlitvydav Ukrainy, 1963. 559 p.

KOCHERHA, IVAN ANTONOVYCH, 1881-1952

Andrianova, N. M. [Ivan Kocherha; a literary portrait] Ivan Kocherha; literaturnyi portret. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1963. 100, [4] p. (CaOTU)

KOHN, HANS, 1891-

"Mister Kohn and his studies of the 'Russian soul'" by IU. Kariakin, E. Plimak. Reviewed by IU. L. Kuznets. Vop. ist. 38 no. 11:127-128 N '63.

KOKAND—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

A city party committee and local party organizations. A. Rizaev. Part. zhizn' [Uzb.] 5 no. 10:33-37 O '62.

KOKCHETAV PROVINCE—FORESTS AND FORESTRY—VALUATION

Evaluating the small-size timber in the pine forests of the Kazakh peneplain. A. A. Makarenko, V. V. Shutiga. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:82-86 S '63.

KOLA PENINSULA—APATITE

Reporting from the "bread mountain." K. Barykin. Ogonek 41 no. 46:22-23 N '63.

KOLA PENINSULA—CONGLOMERATE

Composition and sources of the clastic materials of conglomerates from Pre-Cambrian metamorphic layers of the Kola Peninsula. O. I. Luneva. Sov. geol. 6 no. 12:68-88 D '63.

KOLAS, IAKUB, pseud see Mitskevich, Konstantin Mikhailovich, 1882-1956

KOLKHOZES see Collective farms

KOLLWITZ, KAETHE (SCHMIDT), 1867-1945

Her life was a flight into a storm! Otto Nagel. Kul't. i zhizn' 7 no. 11:36-37 '63.

KOLMOGOROV, ANDREI NIKOLAEVICH, 1903-

A. N. Kolmogorov as a teacher. P. S. Aleksandrov, B. V. Gnedenko. Usp. mat. nauk. 18 no. 5:115-120 S-O '63.

A. N. Kolmogorov's studies on the theory of probability. B. V. Gnedenko. Usp. mat. nauk 18 no. 5:8-11 S-O '63.

KOLOMNA—LOCOMOTIVE WORKS—HYGIENIC ASPECTS

Use of Chaikovskii's solution in microtraumas at a diesel locomotive plant. S. I. Svetlov. Med. sestra 22 no. 10:54-55 O '63.

KOLOMNA—PUBLIC PROSECUTORS

How public prosecutors work under new conditions. G. Denisov. Sots. zakon. 40 no. 11:32-35 N '63.

KOLOMNA—STANDARDIZATION

Standardization of units and parts at the Kolomna Heavy Machinery Plant. N. L. Kedrova. Mashinostroitel' no. 10:38 O '63.

KOLOMNA—GAS-TURBINE LOCOMOTIVES

Effect of climate conditions on the performance of the GT-01 gas-turbine locomotive manufactured by the Kolomna Plant. V. P. Demidov, E. A. Sen-Zhelen. Vest. TSNII MPS 22 no. 7:37-38 '63.

KOLOMNA REGION—FOREST MANAGEMENT

Contribution of community to forestry. P. Agafonov. Les. khoz. 16 no. 9:73 S '63.

KOLPASHEVO REGION—IRON ORES

Kolpashevo-Bakchar region of the West Siberian iron-ore basin. A. A. Babin, E. A. Babina. Mat. po geol. Zap. -Sib. raiv. no. 3:131-151 '62.

KOLYMA VALLEY—PALEOBOTANY

Paleobotanic characteristic of continental Mesozoic sediments of the Zyryanka-Sliyap coal-bearing area (left-bank region of the Kolyma River). V. A. Samylina. Dokl. AN SSSR 152 no. 5:1212-1214 O '63.

KOMI A. S. S. R.—BIOLOGICAL RESEARCH

Science in the Komi A. S. S. R. P. Vavilov. Nauka i zhyttia 13 no. 10:49-50 N '63.

KOMI A. S. S. R.—BITUMEN

Composition and properties of natural bitumen of the Voia and Niamed' deposits. S. R. Sergienko, G. P. Kurbskii. Izv. AN Turk. SSR, Ser. fiz. -tekh., khim. i geol. nauk no. 1:35-43 '62.

KOMI A. S. S. R.—FIRES AND FIRE PREVENTION

Land of young cities. N. Semina. Pozh. delo 9 no. 10: 10-12 O '63.

KOMI A. S. S. R.—GEOLOGY

[Geology of the U. S. S. R.] Geologiia SSSR. Glav. red. A. V. Sidorenko. Moskva, Gosgeoltekhizdat.
Vol. 2. [Archangel and Vologda Provinces and the Komi A. S. S. R.] Arkhangel'skaia, Vologodskaia oblasti i Komi ASSR.
Pt. 1. [Geological description] Geologicheskoe opisanie. Red. A. I. Zoricheva. Sored. S. N. Volkov. 1963. 1077 p.

KOMI A. S. S. R.—PETROLEUM

Composition and properties of Lem'iu petroleum. S. R. Sergienko, G. P. Kurbskii. Izv. AN Turk. SSR, Ser. fiz. -tekh., khim. i geol. nauk no. 1:44-50 '62.

KOMI A. S. S. R.—POWER RESOURCES

Anufriev, A. F., and IA. A. Supriaga. [Power resources of the Komi A. S. S. R.] Energeticheskie resursy Komi ASSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 64 p.

KON, FELIKS IAKOVLEVICH, 1864-1941

Nahorna, L. A. Feliks Kon. Kyiv, Derzhpolitvydav URSR, 1963. 145 p. (Bortsi za veliku spravu)

KONCHOZERO, LAKE—PARASITES—FISHES

Seasonal variability of Bunodera luciopercae (O. F. Muller, 1776) and Sphaerostoma bramae (O. F. Muller, 1776) (Trematoda) in Karelia [with summary in English]. R. P. Malakhova. Zool. zhur. 42 no. 10:1453-1461 '63.

KONCHOZERO, LAKE—TREMATODA

Seasonal variability of Bunodera luciopercae (O. F. Muller, 1776) and Sphaerostoma bramae (O. F. Muller, 1776) (Trematoda) in Karelia [with summary in English] R. P. Malakhova. Zool. zhur. 42 no. 10:1453-1461 '63.

KOPYL' DISTRICT—AGRICULTURE

Bountiful September. M. Dosin. Belarus' 20 no. 9:12-14 S '63.

KOREA—WORLD WAR, 1939-1945

"The place of Korea in U. S. plans during the Second World War" by V. B. Vorontsov. Reviewed by F. I. Kulikova, V. M. Mazurov. Vop. ist. 38 no. 12:140-141 D '63.

KOREAN STUDIES see subdivision under Moscow

KORNIL'EV, VASILII

First printer in Tobolsk. E. Katuprzhak. 3 no. 11:47 N '63.

KOROLENKO, VLADIMIR GALAKTIONOVICH

A conference devoted to the 110th anniversary of V. G. Korolenko's birth. L. K. Rad. lit. 7 no. 6:148-149 N-D '63.

KORYAK RANGE—MAMMALS

Portenko, L. A., A. A. Kishchinskii, and F. B. Chernyavskii. [Mammals of the Koryak Range; materials on their distribution, abundance, biology and economic significance] Mlekopitaiushchie Koriatskogo nagor'ia; materialy po rasprostraneniiu chislennosti biologii i ekonomicheskomu znacheniiu. Moskva, Izd-vo Akad. nauk SSSR, 1963. 129 p. (Trudy Kamchatskoi kompleksnoi ekspeditsii)

KOSIK, NIKOLAI

Joy in work. P. Shvets. Sov. voin 45 no. 12:13 Je '63.

KOSTROMA—INFORMATION SERVICES

Technological and economic council formed by public initiative. N. S. Tikhomirov. Opyt rab. po tekh. inform. i prop. no. 3:43-46 '63.

KOTLAS DISTRICT—WATER, UNDERGROUND—OXYGEN CONTENT

Dynamics of the dissolved oxygen content in soil waters of Kotlas District, Archangel Province. A. IA. Kogotkov. Dokl. TSKHA no. 47:253-258 '59.

KOTLIAREVS'KYI, IVAN, 1769-1838

Khropko, P. P. [Ivan Petrovych Kotliarevs'kyi, a literary portrait] Ivan Petrovych Kotliarevs'kyi, literaturnyi portret. Kyiv, Derzh. vyd-vo Khudozh. lit-ry, 1961. 101 p.

KOTRIKADZE, GEORGII

Tiflis. Dom rabotnikov iskusstv Gruzinskoi SSR. [Exhibition of works by five Georgian artists. Ekaterina Bagdavadze, Petr Datebashvili, Georgii (Gaioz) Kotrikadze, Vladimir Torotadze, and Grigorii Chirinashvili. A catalog] Vystavka rabot plati Gruzinskikh khudozhnikov, Ekaterina Bagdavadze, Petr Datebashvili, Georgii Chirinashvili. Katalog. Tbilisi, Soiuz khudozhnikov Gruzinskoi SSR i Khudozh. fond Gruzinskoi SSR, 1961. 63 p. plates. [In Georgian and Russian] (MH)

KOTSIUBYNS'KYI, MYKHAILO, 1864-1913

M. Kotsiubyns'kyi and world literature at the end of the 19th and beginning of the 20th century. L. D. Ivanov. Mizhslov. lit. vzaiem. no. 3:156-164 '63.

Renewal of a valuable publication. M. Potupeiko. Ukraina no. 9:24 My '62.

KOZHEVNIKO, FEDOR IVANOVICH, 1903-

Professor F. I. Kozhevnikov's 60th birthday. Izv. vys. ucheb. zav.; prav. 7 no. 3:174 '63.

KOZLOV, EVGENII

Springs do not dry up. V. Kostko. Sov. voin 45 no. 19. 4-5 O '63.

KOZLOV, PETR KUZ'MICH, 1863-1935

Passion of an explorer. Ogonek 41 no. 42:10 O '63.

Petukhov, A. F. [Distance beckons the nomad's soul] Dushu nomada dal' zovet. Moskva, Geografgiz, 1963. 38 p. (Zamechatel'nye geografy i puteshestvenniki)

KOZMENKO, ALEKSEI SEMENOVICH, 1778-

Great contribution to soil erosion control; about A. S. Kozmenko. A. V. Al'benskii, T. F. Antropov, G. P. Surmach. Vest. sel'khoz. nauki 8 no. 6:145-146 Je '63.

KRAMATORSK—CRANES, DERRICKS, ETC.

Crane manufacture at the Novo-Kramatorsk Plant. P. M. Neshcheretnyi, P. I. Gutchenko. Sbor. Novo-Kram. mashinostroi. zav. no. 1:115-131 '59.

KRAMATORSK—EXCAVATING MACHINERY

Lifting and opening gear for a flat grab. IA. M. Shmerlin. Sbor. Novo-Kram. mashinostroi. zav. no. 1:138-144 '59.

Manufacture of excavators. V. P. Marichev. Sbor. Novo-Kram. mashinostroi. zav. no. 1:52-109 '59.

KRAMATORSK—FORGING—TECHNOLOGICAL INNOVATIONS

Development of technological processes of forging and heat treatment at the Novo-Kramatorsk Machinery Plant during the last 25 years. V. R. Val'dman. Sbor. Novo-Kram. mashinostroi. zav. no. 5:3-14 '59.

KRAMATORSK—HOISTING MACHINERY

Device for lifting rotors of the generator of hydroelectric power stations. I. F. Kulikov. Sbor. Novo-Kram. mashinostroi. zav. no. 1:132-137 '59.

Mine hoisting machinery. M. G. Kuzhel', P. L. Il'in. Sbor. Novo-Kram. mashinostroi. zav. no. 1:17-51 '59.

KRAMATORSK—MACHINERY—TESTING

Experimental investigation of machinery. V. G. Varenik, V. I. Belobrov. Sbor. Novo-Kram. mashinostroi. zav. no. 1:161-177 '59.

equipment. I. I. Khudiakov. Sbor. Novo-Kram. mashinostroi. zav. no. 1:5-16 '59.

KRAMATORSK—METALS—HEAT TREATMENT

Development of technological processes of forging and heat treatment at the Novo-Kramatorsk Machinery Plant during the last 25 years. V. R. Val'dman. Sbor. Novo-Kram. mashinostroi. zav. no. 5:3-14 '59.

KRAMATORSK—MINE HAULAGE—EQUIPMENT AND SUPPLIES

Electric drive and control for a set of mine-haulage machines with 3000 cubic meter per hour capacity. IU. G. Kalashnikov. Sbor. Novo-Kram. mashinostroi. zav. no. 1:101-114 '59.

KRANJČEVIĆ, SILVIJE STRAHIMIR, 1865-1908

T. H. Shevchenko and S. S. Kranjčević on the popularization of T. H. Shevchenko's poetry in Yugoslavia during the 1880's and 1890's. I. P. IUshchuk. Mizhslov. lit. vzaiem. no. 3:37-65 '63.

KRASIL'NIKOVA, ELENA MERKUR'EVNA

Those who were the first to die. A. K. Lishina, O. V. Lishin. Fel'd. i akush. 28 no. 8:48-52 Ag '63

KRASNODAR—ELECTRIC METERS
Economy and saving campaign. V. G. Perevarin. Mashinostroitel' no. 10, 4-5 O '63.

KRASNODAR TERRITORY—CANNING INDUSTRY—COSTS
Some results of using standard costs of manufacturing. A. G. Portnoi. Kons. i ov. prom. 18 no. 11 40-41 N '63.

KRASNODAR TERRITORY—IRRIGATION FARMING
The rainbow over the steppe. G. Pogibel'. Agitator no. 21:37-39 N '63.

KRASNODAR TERRITORY—RETAIL TRADE
By common efforts. I. Bystrov. Sov. potreb. koop 7 no. 10:12-14 O '63.

KRASNODON—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS
Rush into eternity. G. Arutiunians. Mol. komm. no. 9: 110-111 S '63.

KRASNOURALSK (SVERDLOVSK PROVINCE)—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION
Initiative and persistence of communists are the decisive factors. A. Denisov. Part. zhizn' no. 24:29-32 D '63.

KRASNOVODSK PENINSULA—GEOLOGY, STRATIGRAPHIC
Age of marine Miocene deposits of the southern part of Krasnovodsk Peninsula. M. M. Sudo. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1 72-75 '62.

KRASNOVODSK PENINSULA—GEOLOGY, STRUCTURAL
Age of the lower part of the Koshoba section. K. V. Tiunov. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:76-79 '62.
Correlation of the Miocene deposits of Krasnovodsk peninsula. A. IA. Larchenkov. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:118-120 '62.

KRASNOYARSK—COOKING SCHOOLS
Two hundred specialists from the restaurant-cooking school. K. Nikiforov. Obshchestv. pit. no. 12:24-25 D '61.

KRASNOYARSK—HARBOR
The Krasnoyarsk harbor today. V. Strakhov. Rech. transp. 22 no. 11 22 N '63.

KRASNOYARSK TERRITORY—AGRICULTURAL WORKERS—EDUCATION AND TRAINING
Specialists are growing. O. Andreev, Zh. Toshchenko. Komsom. zhizn' no. 14:20-21 Jl '63.

KRASNOYARSK TERRITORY—ARCHAEOLOGY
Krasnoyarsk. Kraevoi muzei. [Materials and studies on the archaeology, ethnography, and history of Krasnoyarsk Territory; archaeology] Materialy i issledovaniia po arkheologii, etnografii i istorii Krasnoiarskogo kraia, arkheologiia. [Krasnoiarsk] Krasnoiarskoe knizhnoe izd-vo, 1963. 103 p.

KRASNOYARSK TERRITORY—BOOKSELLERS AND BOOKSELLING
A people's bookstore. IU. Krasnov. Komsom. zhizn' no. 19:12-13 O '63.

KRASNOYARSK TERRITORY—CRIMINAL JUSTICE, ADMINISTRATION OF
How the students of the Correspondence School of Legal Education help the public prosecutors of Krasnoyarsk Territory. N. Borovkov, V. Shakhmatov. Sots. zakon. 40 no. 10:58-60 O '63.

KRASNOYARSK TERRITORY—MAGNETISM, TERRESTRIAL
Secular variations of elements in certain places of the central part of the Soviet North. D. V. Levin, S. M. Krivkov. Inform. sbor. NIIGA no. 32:32-37 '62.

KRASNOYARSK TERRITORY—MINE DUSTS—PREVENTION
State of silicosis control in the mines of Krasnoyarsk Territory. V. F. Firsov. Vop. bor'., s sil. v Sib. no. 1. 89-92 '61.

KRASNOYARSK TERRITORY—RAILROADS—DESIGN AND CONSTRUCTION
South-southeast is the vector of the traffic flow. V. Grigor'ev. IUn. tekh. 8 no. 11:6-11 N '63.

KRASNOYARSK TERRITORY—RESTAURANTS, LUNCHROOMS, ETC.
Public Food Service Combine in the taiga. A. Timofeeva. Obshchestv. pit. no. 12:11-12 D '61.

KRASNYY KUT DISTRICT—AGRICULTURISTS
Agriculturist. G. Vorob'ev. Part. zhizn' no. 21:64-66 N '63.

KREMENCHUG HYDROELECTRIC POWER STATION
Bright lights of Kremenchug. Ukraina no. 16:4-5 Ag '62.
Use of ultrasonic waves in studying the quality of concrete in the bridge crossing beams of the Kremenchug Hydroelectric Power Station. A. K. Tret'iakov, A. M. Filonidov. Energ. stroi. no. 16:22-26 '60.

KREMENCHUG RESERVOIR
A village by the sea. Oleksandr Matiiko. Ukraina no. 9 2-3 My '63.

KREMENCHUG RESERVOIR REGION—AFFORESTATION
Afforestation of the banks of Kremenchug Reservoir. G. M. Otel. Les. khoz. 16 no. 9, 34-36 S '63.

KREMENETS DISTRICT—RITES AND CEREMONIES
Rites can be observed in this way.... A. Bagantsev. Agitator no. 21, 55-57 N '63.

KREMLIN see Moscow—Kremlin

KRESOL see Cresol

KRESTININ, VASILII VASIL'EVICH, 1729-1795
Activities of V. V. Krestinin in studying Northern Russia. E. M. Epshtein. Uch. zap. Petrozav. gos. un. 7 no. 1: 152-166 '58.

KRIUKOV, ALEKSANDR NIKOLAEVICH, 1878-1952
Aleksandr Nikolaevich Kriukov; 10th anniversary of his death. Klin. med. 40 no. 11:136-139 N '62.

KRIVOY ROG—RESERVOIRS—DESIGN AND CONSTRUCTION
Results of building a water reservoir from precast reinforced concrete. D. Rosenberg, V. Ivanov. Prom. stroi. i inzh. soor. 5 no. 5:56-58 S-O '63.

KRIVOY ROG BASIN—ENGINEERING GEOLOGY
Krivoi Rog. Gornorudnyi institut. [Methodological guide for the geological service for the prospecting and mining of Krivoy Rog type deposits] Metodicheskoe rukovodstvo dlia razvedochnoi i rudnichnoi geologicheskoi sluzhby mestorozhdenii krivorozhskogo tipa. Pod red. IA. N. Belevtseva. Kiev, Izd-vo Akad. nauk USSR, 1963. 395 p.

KRIVOY ROG BASIN—MINING MACHINERY
Tkachenko, F. A., and others. [Mechanization and automation in Krivoy Rog Basin mines] Mekhanizatsiia i avtomatizatsiia shakht Krivbassa. [Dnepropetrovsk] Dnepropetrovskoe knizhnoe izd-vo, 1963. 60 p.

KRIVOY ROG BASIN—ORE DEPOSITS
Estimation of the structure complexity of the central surface of ore fields in the Krivoy Rog Basin. V. M. Kazak. Sov. geol. 6 no. 12:118-123 D '63.

KRUGOVYKH, NIKOLAI
Good beginning. A. Zarytski. Belarus' 20 no. 10:28-29 O '63.

KRYLOV, ALEKSEI NIKOLAEVICH, 1863-1945
Outstanding scientist and public worker. A. Fedorov. NTO 5 no. 11:56-58 N '63.

KRYLOV, IVAN ANDREEVICH, 1769-1844—PORTRAITS, CARICATURES, ETC.
A portrait's "travels." M. Matsapura. Ukraina no. 17: 22 S '62.

KUBAN—SWALLOWS
Death of swallows in the Kuban. V. Ochapovskii. Priroda 52 no. 10:123 '63.

KUBAN—SWANS
Swan nests in the Kuban limans. A. G. Shekhov. Priroda 52 no. 10:127-128 '63.

KUDRIN, MAKAR TIMOFEEVICH, 1915 ?-1962
Makar Timofeevich Kudrin; an obituary. Zdrav. Bel. 9 no. 3:95 Mr '63.

KUDRYTS'KA, OLENA IEVGENIVNA
Gold of a soul. Vasyl' Anisov. Ukr. mova i lit. v shkoli 13 no. 5:61-65 Jl '63.

KUGITANGTAU—CONCRETIONS
Concretionary formations in coal measures of the Kugitang Jurassic deposits. K. Mashrykov, N. S. TSepelev, K. Kuliev. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:66-71 '62.

KUGITANGTAU—GEOLOGY, STRATIGRAPHIC
Boundary layers of the carbonate and salt-gypsum series of the upper Jurassic of Kugitang. K. Tomashaev. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:80-83 '62.

KULIKOV, IVAN SEMENOVICH, 1875-1941
I. E. Repin and I. S. Kulikov. P. Balakin. Iskusstvo 26 no. 7:66-68 '63.

KULIKOVA, MARIIA VASIL'EVNA
Friends. K. Smirnov. Ogonek 41 no. 44:3 O '63.

KUNGUR—GYPSUM PRODUCTS
Whether painted or not,... IU. Kralvanov. Mest. prom. i khud. promys. 3 no. 9:37 S '62.

KUPCHINSKII, PAVEL DENISOVICH, 1888-
On the occasion of the 75th birthday of Pavel Denisovich Kupchinskii. Masl.-zhir. prom. 29 no. 11:47 N '63.

KUPRIN, ALEKSANDR IVANOVICH, 1870-1938
A monograph on A. I. Kuprin. I. Novumenka. Belarus' 20 no. 9 28-29 S '63.

KURDS
How the Iraqi Kurds struggle for an autonomous state. IA. Pliasun. Rad. pravo no. 6:111-119 N-D '63.
Khalfin, N. A. [The fight for Kurdistan; the Kurdish problem in 19th century international relations] Bor'ba za Kurdistan; kurdskii vopros v mezhdunarodnykh otnosheniiakh XIX veka. Moskva, Izd-vo vostochnoi lit-ry, 1963. 189 p.

KURDS—BIBLIOGRAPHY see Bibliography—Kurds

KURDS—SOCIAL LIFE AND CUSTOMS
Balazidi, M. M. [Manners and customs of the Kurds] Nravy i obychai Kurdov. Perevod, predislovie i primechaniia M. B. Rudenko. Moskva, Izd-vo vostochnoi lit-ry, 1963. 202 p. [In Russian and Kurdish]

KUREYKA VALLEY—IGNIMBRITE
Stratigraphy of the ignimbrite formation in the Kureyka and Lower Tunguska interfluve. L. M. Gerasimov. Inform. sbor. NIIGA no. 31:5-11 '62.

KURGAL'DZHINO DISTRICT—BRICK INDUSTRY
With an empty sack. P. Kudriashov. Nar. khoz. Kazakh. 21 no. 9:68-70 S '63.

KURGAN DISTRICT—AGRICULTURE—AUDITING AND INSPECTION
The have forgotten about the auditing committees. E. D. Novozhilova. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:16-17 O '63.

KURGAN ECONOMIC REGION—INFORMATION SERVICES
Organizations of public assistance to technological progress at enterprises in Kurgan Province. S. A. Goncharenko. Opyt rab. po tekh. inform. i prop. no. 2. 34-35 '63.

KURGAN PROVINCE—FLIES
Seasonal changes in the quantity of housefiles in Kurgan [with summary in English]. G. E. Loginovskii. Med. paraz. i paraz. bol. 32 no. 5:563-565 S-O '63.

KURGANTEPE DISTRICT—COTTON GROWING
Relying on the activist group. V. Saenko. Part. zhizn' [Uzb.] 6 no. 6:72-74 Je '63.

KURILE ISLANDS—BOTANY
Vorob'ev, D. P. [Vegetation of the Kurile Islands] Rastitel'nost' Kuril'skikh ostrovov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 91 p.

KURILE ISLANDS—GAME PROTECTION
Game animals of the Kurile Islands. S. K. Klumov. Okhr. prir. i ozel. no. 9:9-20 '60.

KURNATOVSKII, VIKTOR KONSTANTINOVICH, 1868-1912—FICTION
Guro, I. R. [Champions of a noble cause] Ozarennye. Moskva, Gospolitizdat, 1963. 157 p.

KURSK—TEXTILE FIBERS, SYNTHETIC
In the vanguard of a collective. E. IAkovlev. Part. zhizn' no. 24:35-36 D '63.

KURSK, BATTLE OF, 1943
Heirs to the glory of their fathers. N. Alekseev. Sov. voin 45 no. 14:20-28 Jl '63.
On the fiery arc. K. Rokossovskii. Sov. voin 45 no. 14: 13-15 Jl '63.
Precious relics. N. Kuz'min. Sov. voin 45 no. 14:29 Jl '63.

KURSK DISTRICT—FARM MECHANIZATION
Leaning on the shoulders of machines. A. Sapunov. Mol. komm. no. 9:48-54 S '63.

KURSK MAGNETIC ANOMALY—CONSTRUCTION WORKERS
Reaching maturity. P. Balbarin. Znan. sila 36 no. 10: 8-11 O '61.

KURSK PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING
All should participate in the experience of the best. IU. Belov. Komsom. zhizn' no. 22:6-9 N '63.

KURZENKOV, SERGEI GEORGIEVICH
Many years later.... Sov. voin 45 no. 19:32 O '63.

KUSARCHAY VALLEY—PEBBLES
New data on the structure of pebble formations in the Samur-Kusarchay interfluve. L. I. Andreev and others. Sov. geol. 6 no. 12:123-129 D '63.

KUSHIRO, JAPAN—DESCRIPTION
In a Japanese city. S. Verbitskii. Az. i Afr. seg. no. 12: 38-40 D '63.

KUSTANAY—AUDITING AND INSPECTION
Count, analyze and uncover potentials. N. Tatarenko. Nar. khoz. Kazakh. 21 no. 8:46-48 S '63.

KUSTANAY—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Count, analyze and uncover potentials. N. Tatarenko. Nar. khoz. Kazakh., 21 no. 9:16-18 S '63.

KUSTANAY PROVINCE—PLANT COMMUNITIES

Characteristics of the root systems and the ash content of some plant associations of Kustanay Province. M. E. Lavrenko. Dokl. VASKHNIL no. 47:215-225 '59

KUSTANAY PROVINCE—STATE FARMS—PERSONNEL MANAGEMENT

A man who couldn't be checked. A. Makhinin. Part. zhizn' no. 23:76-78 D '63.

KUVA DISTRICT—COLLECTIVE FARMS

Returning the collective farm to its former glory. I. Ishmurabuev. Part. zhizn' [Uzb.] 6 no. 6:61-64 Je '63.

KUYBYSHEV—CONSTRUCTION INDUSTRY—MANAGEMENT

Belutserkovskii, I. G. [Economic analysis of the production and management operations of subcontracting construction organizations; practice of Kuybyshev construction organizations] Ekonomicheskii analiz proizvodstvenno-khoziaistvennoi deiatel'nosti podriadnykh stroitel'nykh organizatsii, opyt kuibyshevskikh stroitel'nykh organizatsii. Moskva, Gosstroiizdat, 1963. 109 p.

KUYBYSHEV—FORGING

Intro lucing electric upsetting at the Kotel' Plant. Z. D. Levin. Mashinostroitel' no. 10:28-29 O '63.

KUYBYSHEV—MACHINERY INDUSTRY WORKERS

A student becomes an engineer. A. Shatilov. Komsom. zhizn' no. 10:24-25 O '63.

KUYBYSHEV—PETROLEUM RESEARCH

Parting for research. A. Mikhailov. NTO 5 no. 11:36-37 N '63.

KUYBYSHEV—POSTAL SERVICE

Organization of the delivery of printed matter and postal dispatches in Kuibyshev. G. I. Ardatov. Vest. sviazi 23 no. 10:24-25 O '63.

KUYBYSHEV—REGISTERS OF BIRTH, ETC.

Registry office in a factory club. A. Petrenkov. Komsom. zhizn' no. 10:8 S '63.

KUYBYSHEV DISTRICT (TATAR A. S. S. R.)—JOURNALISTS

Comrade Pakhomov needs our help. A. Solomtsov, A. Shchelkunov. Part. zhizn' no. 24:69 D '63.

KUYBYSHEV HYDROELECTRIC POWER STATION see Volga Hydroelectric Power Station (Lenin)

KUYBYSHEV PROVINCE—COAL MINES AND MINING—ACCIDENTS

Traumatism in mine 1-7 of the "Kuybyshevugol'" Combine and means of decreasing it. A. IA. Koval', E. E. Fink, V. A. Lisichenko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:141-144 '59.

KUYBYSHEV PROVINCE—HOSPITALS—OUTPATIENT SERVICES

Dispensary services for persons under a doctor's care [with summary in English]. Klin. med. 40 no. 11:38-41 N '62.

KUYBYSHEV PROVINCE—PRODUCE TRADE

Seek nothing, find nothing. IU. Bezelianskii, N. Cholenkov. Sov. potrebkoop. 7 no. 10:35-38 O '63

KUYBYSHEV PROVINCE—ROCKS, CARBONATE

Reefy nature of the Khilkovo carbonate massif. M. M. Grachevskii, R. O. Khachatrian, G. N. Komardinkina. Dokl. AN SSSR 153 no. 3:428-432 N '63.

KUZNETSK BASIN—COAL—ANALYSIS

Facies types of coal of the Balakhonka series in the Kuznetsk Basin and the material composition of their dusts. A. B. Travin. Vop. bor'., geol. v Sib. no. 1:19-37 '61.

Mineral admixtures of the allothogenic group in some coals of the Kuznetsk Basin. V. F. Shugurov. Vop. geol., geol. v Sib. no. 1:46-52 '61.

Quartz in the coal of the Kuznetsk Basin. V. F. Shugurov. Vop. geol., geol. v Sib. no. 1:45-48 '61.

KUZNETSK BASIN—DUST—PREVENTION

Dust control in the newly constructed mines of the "Kuzbassshakhtostroi" Combine. I. V. Baronskii. Vop. bor'., geol. v Sib. no. 1:65-69 '61.

Results of the work of the Eastern Scientific Research Institute on Dust Control. M. I. Ratushkov, E. I. Ontin. Vop. bor'., geol. v Sib. no. 1:53-64 '61.

KUZNETSK BASIN—INSECTS, FOSSIL

Paleozoic insects in the Kuznetsk Basin. B. B. Rodendorf. Trudy SNIIGGIMS no. 21:61-68 '62.

KUZNETSK BASIN—LAMELLIBRANCHIATA, FOSSIL

Upper Paleozoic Lamellibranchiata. L. L. Khalfin. Trudy SNIIGGIMS no. 21:68-75 '62.

KUZNETSK BASIN—MEDICAL PERSONNEL

Brief news. Fel'd. i akush. 28 no. 11:63 N '63.

KUZNETSK BASIN—MINE DUSTS

Facies types of coal of the Balakhonka series in the Kuznetsk Basin and the material composition of their dusts. A. B. Travin. Vop. bor'., geol. v Sib. no. 1 19-37 '61.

Study of silicosis danger from mine dust in the Kuznetsk Basin. Kh. A. Baev, Vop. bor'., geol. v Sib. no. 1:39-44 '61.

KUZNETSK BASIN—MINERALS

Mineral admixtures of the allothogenic group in some coals of the Kuznetsk Basin. V. F. Shugurov. Vop. bor'., geol. v Sib. no. 1:49-52 '61.

KUZNETSK BASIN—QUARTZ

Quartz in the coal of the Kuznetsk Basin. V. F. Shugurov. Vop. bor'., geol. v Sib. no. 1:45-48 '61.

KUZNETSK BASIN—ROCKS—ANALYSIS

Trends in the study of silicosis danger from the Kuznetsk Basin rocks. E. M. Sonderzon. Vop. bor'., geol. v Sib. no. 1:15-18 '61.

KUZNETSK BASIN—STEEL INDUSTRY—COSTS

Production cost analysis of the Kuznetsk Metallurgical Combine. N. Kropachev. Bukhg. uchet 29 no. 10:59-65 O '63.

KUZNETSK BASIN—VERTEBRATES, FOSSIL

Phylum Vertebrata. D. V. Obruchev. Trudy SNIIGGIMS no. 21:440-442 '62.

KVITKA, HRYHORII FEDOROVYCH, 1778-1843

Study on a writer's creative thought. S. I Dihtiar, O. I. Karpenko. Rad. lit. 7 no. 6:132-134 N-D '63.

LABINSK DISTRICT—FARM MECHANIZATION

Accounting for work in a mechanized unit. I. P. Pavlichenko. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:27-28 O '63.

LABOR (OBSTETRICS)

Changes in the fetal heartbeat during the first stage of labor, phonocardiographic study. L. I. Akkerman. Akush. i gin. 39 no. 4:95-99 Jl-Ag '63.

LABOR, COMPLICATED

Case of compression fracture of the spine in a parturient. V. L. Gertsman. Akush. i gin. 39 no. 4:131 Jl-Ag '63.

The course of pregnancy and labor in anemia patients [with summary in English]. Din IAn' [Ting Yen]. Akush. i gin. 39 no. 4 70-74 Jl-Ag '63.

Management of premature labor in transverse position of the fetus [with summary in English]. M. I. Lipkin. Akush. i gin. 39 no. 4:81-85 Jl-Ag '63.

Pregnancy and labor in acromegaly. N. O. Kamionskii. Akush. i gin. 39 no. 4:120-121 Jl-Ag '63.

Some complications in labor with a giant fetus. R. M. Berezfuk. Akush. i gin. 39 no. 4:127-128 Jl-Ag '63.

Timely delivery complicated by an ovarian tumor strangulated in the pelvis minor. M. G. Malinkina. Akush. i gin. 39 no. 4:128 Jl-Ag '63.

LABOR AND LABORING CLASSES

(see also subdivision under Africa; Donets Basin; Estonia; Great Britain; Leningrad; Leningrad Government; Mexico; Nazarovo, Krasnoyarsk Territory; Rumania; Ukraine; Ural Mountain region)

Conference held at the Lenin Pipe-Rolling Mill in Azerbaijan [in Azerbaijani with summary in Russian]. I. Alfev. Izv. AN Azerb. SSR, obshchestv nauk no. 6:177-191 '61.

Glorify the country by your work! Agitator no. 21:3-5 N '63.

Khoreva, G. P. [In work man becomes fine; essays about communist labor collectives] V trude krasiv chelovek; ocherki o kollektivakh kommunisticheskogo truda. [Moskva] *Profizdat*, 1962. 55 p. (MIC)

Methodical advice. Mezhdunar. zhizn' 10 no. 11:142-144 N '63.

Pankratova, A. M. [Formation of the Russian proletariat, the 17th and 18th centuries] Formirovanie proletariata v Rossii, XVII-XVIII vv. Moskva, Izd-vo Akad. nauk SSSR, 1963. 489 p.

Preface to maturity. Viktor Levashov. Smena 40 no. 13:10-11 Jl '63.

The Russian proletariat on the road toward the October Revolution. G. Ionova, A. Ugriumov. Kommunist 40 no. 16:121-123 N '63.

Scientific and technological development of the U. S. S. R. and the all-round development of workers. L. I. Kogan. Nauch. dokl. vys. shkoly; filos. nauki 6 no. 4:28-36 '63.

Social consequences of automation in the U. S. S. R. S. S. Voronitsyn. Mat. i soob. issl. otd. inst. po izuch. SSSR no. 49/50:55-66 S-O '63.

LABOR AND LABORING CLASSES—EDUCATION

(see also subdivision under Georgia, Leningrad, Minsk Province, Moscow, Rybinsk, White Russia)

Select and educate specialists in the Lenin way. M. Polekhin. Part. zhizn' no. 1,22-30 Ja '61.

LABOR AND LABORING CLASSES—MEDICAL CARE

"Some problems of labor and public health during the building of Communism." Reviewed by B. D. Petrov, A. M. Izutkin. Sov. zdrav. 22 no. 7:85-89 '63.

LABOR AND LABORING CLASSES—STATISTICS see subdivision under Leningrad, Leningrad Government; Moscow

LABOR AND LABORING CLASSES IN LITERATURE

Polish proletarian prose in the twenty years between the two wars, 1918-1939. V. P. Viedina. Mizhslov. lit. vzaiem. no. 3 260-289 '63.

LABOR CONTRACT

Replies to our readers. Sov. profsoiuzy 19 no. 18 44-45 S '63.

LABOR COURTS

(see also subdivision under Hungary, Nezhin, Zhitomir Province)

Councils of fellow workers' courts in action. I. Vatin, V. Kalinov, V. Astakhov. Sov. iust. no. 21 24 N '63.

LABOR DISCIPLINE

(see also subdivision under Kirovograd, Ternopol')

Sow a habit... I. Prokop'ev. Komsom. zhizn' no. 14: 2-3 Jl '63.

There where indulgence reigns. I. Filenkov. Mol. kommun. no. 9 100-103 S '63.

LABOR DISPUTES

(see also subdivision under Poland)

Application of Paragraph No. 21 of the regulation on procedures for examining labor disputes. Explanation No. 26/23, August 29, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no. 10-11 '63.

Avdiukov, M. G. [Protection of the labor rights of Soviet citizens in courts] Zashchita trudovykh prav grazhdan v sude. Moskva, Gosiurizdat, 1963. 38 p (Bibliotechka slushatelia narodnogo universiteta pravovykh znanii)

Nikolaeva, L. A. [Organization and work of committees for the examination of labor disputes] Organizatsiia i deiatel'nost' komissii po trudovym sporam. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 149 p.

And so the dispute has been solved,... S. TSeitlin. Sov. profsoiuzy 19 no. 18.41-43 S '63.

LABOR JOURNALISM see Journalism, Labor

LABOR LAWS AND LEGISLATION

(see also subdivision under Europe, Eastern)

Avdiukov, M. G. [Protection of the labor rights of Soviet citizens in courts] *Zashchita trudovykh prav* grazhdan v sude. Moskva, Gosiurizdat, 1963. 38 p. (Bibliotechka slushatelia narodnogo universiteta pravovykh znanii)

IArkho, A. V. [Control of factory, plant, and local committees of trade unions over the observance of labor laws; a reference book] Kontrol' FZMK za sobliudeniem trudovogo zakonodatel'stva; spravochnaia kniga. [Moskva] Izd-vo VTsSPS Profizdat, 1963 148 p.

Karinskii, S. S. [Legal regulation of wages] Pravovoe regulirovanie zarabotnoi platy. Moskva, Gosiurizdat, 1963. 207 p.

Legal problems concerning the elimination of labor turnover. A. Prudinskii. Sov. iust. no. 22-20-21 N '63.

Russia (1923- U. S. S. R.) Laws, statutes, etc. [Payments to workers and employees, collection of official materials] Raschety s rabochimi i sluzhashchimi; sbornik ofitsial'nykh materialov. 2., dop. izd. Moskva, *Izd-vo "Iuridicheskaia literatura,"* 1963. 422 p.

Survey of labor legislation. Sots. trud 8 no. 10:149-150 O '63.

We should improve the examination of cases concerning the liability of workers and employees. A. Barabash. Rad. pravo no. 6:58-63 N-D '63.

LABOR MOBILITY

Personnel turnover in enterprises and how to eliminate it. I. Kaplan. Vop. ekon. no. 10:45-54 O '63.

LABOR PARTY (GREAT BRITAIN) see Great Britain—Labor Party

LABOR PASSPORTS

Entries in the labor passport. G. Gutiaev. Sots. trud 8 no. 10:123-124 O '63.

Legal advice. Vrach. delo no. 11:157-158 N '63.

LABOR PRODUCTIVITY

(see also subdivision under Donetsk Province, Leningrad Economic region)

Be concerned about the increase in labor productivity. A. G. Zaitsev. Poligr. proizv. no. 10:10-11 O '63.

LABOR PRODUCTIVITY (Continued)

Ezerskii, P. P. [Calculating and planning an increase in labor productivity according to the factors involved] Ischislenie i planirovanie rosta proizvoditel'nosti truda po faktoram Moskva, Ekonomizdat, 1963 251 p.

The material and technological basis of communism and labor productivity. I. Tikhonov. Polit. samoobr. 7 no. 5,43-50 Ag '63.

Soviet trade unions in the effort to increase labor productivity. L. Kostin. Sots. trud 8 no. 10:3-12 O '63.

Strumilin, S. G., V. A. Zhamin, and B. S. Gerashchenko, eds. [Increasing labor productivity is the most important condition for the building of communism] Povyshenie proizvoditel'nosti truda — vazhneishee uslovie stroitel'stva kommunizma. Moskva, Ekonomizdat, 1963. 254 p.

LABOR PRODUCTIVITY—AUDIO-VISUAL AIDS see subdivision under White Russia

LABOR REST HOMES—AUDITING AND INSPECTION

Improve the auditing standards of sanatoriums and rest homes. M. Malamud. Bukhg. uchet 20 no. 5,36-37 My '63.

LABOR SUPPLY

Sources and forms of labor supply in the U.S.S.R., 1953-1961. S. L. Seniavskii. Vop. ist. 38 no. 11 202-209 N '63.

LABORATORIES see subdivision under Kiev

LABORATORIES—EQUIPMENT AND SUPPLIES

International exhibition of laboratory equipment, measuring devices and means of automation. A. Z. Grishchenko. Avtom. i prib. no. 1:85-90 O-D '63.

Nikonorov, N. M., A. V. Marsov, and P. E. Ermakov. [Handbook on laboratory weighing instruments and weights] Spravochnik po laboratornym vesam i girlam. Moskva, Mashgiz, 1963. 191 p. illus.

LABYRINTH (EAR)

Vestibular apparatus. I. A. Kriachko. Zdorov'e 9 no. 10:10-11 O '63.

LABYRINTH (EAR)—INNERVATION

Histochemical and ultrastructural changes in the receptor cells of the utricle in a changed gravitational field. IA. A. Vinnikov and others. Dokl. AN SSSR 153 no. 2: 450-453 N '63.

LACE AND LACEMAKING see subdivision under Vologda; Vologda Province; Yelets

LACTATION

Determining the evenness of lactation. A. D. Aksennikova. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:51-56 S '63.

LACTIC ACID

Effect of lactic acid hydrazides on the central nervous system [with summary in English]. M. Artiukh. Izv. AN Latv. SSR no. 9:111-114 '63.

LACTIC ACID BACTERIA

(see also subdivision under Ukraine)

Improvement of silage starters (preparation and application of dry silage starters). M. S. Karpov, R. N. Ektmova. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:27-32 '63.

Use of mixed cultures of lactic acid bacteria and yeast for fermenting vegetables. A. A. Levina Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7.77-82 '63

LAKES

(see also subdivision under Soviet Central Asia; Yakutia)

[Seiches on the lakes of the U. S. S. R.] Seishi na ozerakh SSSR. [By] N. M. Arsen'eva i dr. [Leningrad], Izd-vo Leningr. univ., 1963. 182 p.

LAMELLIBRANCHIATA, FOSSIL see subdivision under Kuznetsk Basin

LAMINAR FLOW

Laminar flow of a charged liquid in a plane tube under the action of an external electrostatic field. G. N. Kopylov. Zhur. tekh. fiz. 33 no. 11:1280-1300 N '63.

LAMINATED METALS

Determining the relation of interphase energies in the system copper - iron. IA. N. Levin, G. I. Ivantsov. Fiz. met. i metalloved. 16 no. 4:535-539 O '63.

LAMINATED METALS—METALLOGRAPHY

Heterogeneity of a Br. AZh9-4 heat-affected zone near the joining of bimetal bearings. E. P. Ponomarenko. Lit. proizv. no. 10:33-34 O '63.

Metallography of the boundary layer in a bimetal. S. A. Kiseleva, V. IA. Rybakova. Sbor. trud. TSNIICHM no. 32:114-117 '63.

LAMINATED METALS—THERMAL PROPERTIES

Applying the method of instantaneous uniform conditions to problems of heat conductivity in multilayer solids. E. M. Gol'dfarb. Izv. vys. ucheb. zav.; chern. met. 6 no. 10:149-161 '63.

LAMINATED PLASTICS—TESTING

Effect of the rate of deformation and of the rate of loading on the strength of samples of various sizes of laminated plastics. F. P. Beliankin, G. I. Dybenko. Zav. lab. 29 no. 10:1235-1240 '63.

LAND

Biegel', E. IA. [Land rent. The development of capitalism in agriculture] Zemel'naia renta. Razvitie kapitalizma v sel'skom khoziaistve. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1962. 102 p. (Lektsii po politicheskoi ekonomii, no. 9) (MH)

Correction of plan materials for the accounting of land use. I. F. Polunin. Trudy MIIZ no. 10 187-193 '60

LAND, NATIONALIZATION OF

Marxist-Leninist theory of the nationalization of land and the solution of agrarian problems under present conditions. M. IA Bondarenko. Trudy Od. tekh. inst. 11:123-131 '62.

LAND TENURE

(see also subdivision under Brazil, Bulgaria; Fergana, Iran; Kazakhstan, Latin America; Russia, Northern, Ural Mountain region)

Mironova, I. A. [Discussion of the peasant problem in Russian periodicals on the eve of the Reform of 1861, methods of the critical evaluation of the periodical press] Krest'ianskii vopros v periodicheskoi pechati vo vremia podgotovki reformy 1861 g., metodika analiza periodicheskoi pechati. Lektsiia po istochnikovedeniiu istorii SSSR dlia studentov MGIAI. Otv. red. M. N. Chernomorskii. Moskva, Mosk. gos. istoriko-arkhivnyi in-t, 1963. 45 p.

Private sector of Soviet farming. S. S. Kabysh. Mat. i soob. issl. otd. Inst. po izuch. SSSR no. 49/50:42-54 S-O '63.

LANDAU, LEV DAVYDOVICH, 1908-

[Scientific work of L. D. Landau] Nauchnoe tvorchestvo L. D. Landau; sbornik. Moskva, Izd-vo "Znanie," 1963. 30 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia Fizika i khimiia, no. 21)

LANDFORMS

(see also subdivision under Scandinavia)

Crop producing ability criteria for dividing relief forms according to their dimensions. S. V. Golovenko. Geog. i khoz. no. 12:40-42 '63.

Features of soil formation in relation to relief in the Khanty-Mansi National Area. M. V. Markova. Dokl TSKHA no. 47:185-197 '59.

L. S. Berg's role in the development of landform studies. B. A. Lunin. Izv. Kir. fil. Geog. ob-va SSSR no. 4:21-32 '63.

LANDFORMS—MAPS

Basic principles for scaling and preparing the legend of small-scale landform maps. IU. P. Selivestrov. Izv. Vses. geog. ob-va 95 no. 5:415-419 S-O '63.

LANDING OPERATIONS

Actions of landing subunits. I. Dontsov, P. Livotov. Voen. vest. 43 no. 11:83-86 N '63.

In an amphibious assault, M. Lerner. Voen. vest. 43 no. 10:41-44 O '63.

People of the eagle's flight. D. Alaev. Sov. voin 45 no. 12:8 Je '63.

LANDLORD AND TENANT see subdivision under Germany, West

LANDSCAPE ARCHITECTURE

Dubiago, T. B. [Standard Russian orchards and parks] Russkie reguliarnye sady i parki. Leningrad, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1963. 340 p.

Soiuz arkhitektorov SSSR. [Landscape architecture] Landshaftnaia arkhitektura; sbornik statei po materialam soveshchaniia, posviashchennogo voprosam landshaftnoi arkhitektury. Moskva, Gosstroiizdat, 1963. 280 p.

LANDSCAPE ARCHITECTURE—CONGRESSES

Conference on landscape architecture. Arkhit. SSSR no. 1:59-60 '62.

LANDSLIDES see subdivision under Odessa region

LANGUAGE AND LANGUAGES

Baudouin de Courtenay, J. I. N. [Selected works on general linguistics. Translated from the Polish, German, and French] Izbrannye trudy po obshchemu iazykoznaniiu. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 2, 1963. 386 p.

Indissoluble link between language and thought in the light of I. P. Pavlov's theory of the second signal system. M. G. Litvintsev. Trudy Khab. med. inst. 23 no. 2:3-9 '62.

Leont'ev, A. A. [Origin and primary development of language] Vozniknovenie i pervonachal'noe razvitie iazyka. Moskva, Izd-vo Akad. nauk SSSR, 1963. 137 p. (Akademiia nauk SSSR. Nauchno-populiarnaia seriia)

LANGUAGE AND LANGUAGES—CONGRESSES

Scientific seminar of methodists. Ukr. mova i lit. v shkoli 13 no. 5:48-49 Jl '63.

LANGUAGE AND LANGUAGES—ETYMOLOGY

Akademiia nauk SSSR. Institut russkogo iazyka. [Etymology; studies on the Russian and other languages] Etimologiia; issledovaniia po russkomu i drugim iazykam. Moskva, Izd-vo Akad. nauk SSSR, 1963. 313 p.

LANGUAGE AND LANGUAGES—PHILOSOPHY

Philosophical aspects of the theory of linguistic relativity. G. A. Brutian. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 4 107-115 '63.

LANGUAGE AND LANGUAGES—STUDY AND TEACHING

Methodology of teaching foreign languages in secondary schools; survey of articles and editor's mail Sov pedag. 27 no. 11,130-136 N '63.

Oral introductory course and mother tongue in foreign language classes. A. IA. Stegmanis. Sov. pedag. 27 no. 11,127-129 N '63.

Role of an oral introductory course in teaching foreign languages in secondary schools. E. G. Ivanov, O. N. Smolianova. Sov. pedag. 27 no. 9 132-136 S '63

LANTHANUM OXIDES

Catalytic properties of lanthanum oxide in the reactions of dehydrogenation and dehydration of alcohols and dehydrogenation of tetralin [with summary in English]. A. A. Tolstopiatova, A. A. Balandin, IUi TSi-taiun' [Yu Ch'i-ch'uan]. Zhur. fiz. khim. 37 no. 9:2034-2040 S '63.

Polymorphism of lanthanum oxide. V. B. Glushkova, F. K. Keler. Dokl. AN SSSR 152 no. 3:611-614 S '63.

LANTHANUM SULFIDES—ELECTRIC PROPERTIES

Electrophysical properties of lanthanum and cerium sesquisulfides. G. V. Samsonov, V. I. Marchenko. Dokl. AN SSSR 152 no. 3,671-673 S '63.

LAOS—POLITICS AND GOVERNMENT

Ivanov, N. I. [Laos is fighting] Laos boretsia Moskva, Izd-vo IMO, 1963. 68 p.

LAPTEV SEA—WALRUSES

Coastal rookeries of walrus in the Laptev Sea. I. A. Popov. Okhr. prir. i ozel. no. 3:95-104 '60.

LARCENY

Problems of criminal responsibility for theft. S. Stepichev. Sots. zakon. 40 no. 9:43-45 S '63.

Strike the hands of the thieves. L. Stepachev. Komsom. zhizn' no. 19:6-7 O '63.

LARKIN, JAMES, 1876-1947

Captain of the "labor war"; a book review. L. Sedin Nov. vrem. 21 no. 46 29-31 N '63.

LARVAE—INSECTS

Role of some species of insect larvae in the epidemiology of ascariasis [with summary in English]. E. I. Sukhacheva. Med. paraz. i paraz. bol. 32 no. 5:600-601 S-O '63.

LARYNX—CANCER

Case of plastic surgery of the floor of the mouth, larynx and esophagus after extensive laryngectomy for cancer [with summary in English]. G. M. Tytar'. Vop. onk. 9 no. 7:96-99 '63.

Development of sonorous speech following complete laryngectomy in patients with cancer. M. I. Svetlakov, N. L. Pinegina. Vop. klin. pat. no. 2:46-51 '61.

LARYNX—MICROBIOLOGY

History of the technique of examining laryngeal smears for the diagnosis of tuberculosis in children. P. I. Vinnikov. Pediatriia 41 no. 7:77-80 Jl '63.

LARYNX—WOUNDS AND INJURIES

Unusual case of severe combined injury with subcutaneous rupture of the trachea from the larynx. L. Z. Shmil'. Khirurgiia 39 no. 7:128-131 Jl '63.

LASERS

Absence of critical cycles in the equations of a laser. K. N. Rozhdestvenskii. Radiotekh. i elektron. 8 no. 12: 2043-2045 D '63.

Allowing for the splitting of the metastable level in a three-level laser. B. I. Stepanov, V. P. Gribkovskii Dokl. AN BSSR 7 no. 5:305-308 My '63.

Cutting metals with a light ray. Mashinostroitel' no. 10: 45 O '63.

Determination of negative temperatures from fluorescence oscillograms. V. L. Fedorov, Chzhou Bin-kun' [Chou Ping-k'un]. Izv. vys. ucheb. zav.; fiz. no. 3:110-112 '63.

Diving lasers. L. IUrasov, G. Sikil'ko. IUn. tekh. 8 no. 11:49-51 N '63.

Gaseous optical masers [translated from the English]. W. R. Bennett, Jr. Usp. fiz. nauk 81 no. 1:189-194 S '63.

Optical maser [translated from the English]. O. S. Heavens. Usp. fiz. nauk 81 no. 3:507-544 N '63.

LASERS (Continued)
Some characteristics of an optical maser operating on a Ne and He mixture with aλ = 3.39 micron. N. G. Basov, F. P. Markin, V. V. Nikitin. Radiotekh. i elektron. 8 no. 12:2081-2086 D '63.

LATEX

Use of latexes in the leather and shoe industry. IU. Klimchak. Prom. Arm. 6 no. 9:64-66 S '63.

LATEX—SPECTRA

Molecular mobilities in latexes. Study by the method of nuclear magnetic resonance. V. L. Karpov, N. M. Sergeev, V. G. Ulrkevich. Dokl. AN SSSR 152 no. 3:655-657 S '63.

LATGALI—ETHNOLOGY

Expedition of ethnographers of the Latvian S. S. R. conducted in 1962 [in Latvian]. S. Cimermanis. Izv. AN Latv. SSR no. 9:123-128 '63.

LATHES—ATTACHMENTS

Device for rapid take-off of cutting tools. V. I. Romanovskii, I. S. Sidorov, A. I. Tupikin. Avt. prom. 29 no. 11: 42-43 N '63.

LATHES—MODELS

Operating model of a lathe. A. V. Gorbach. Sred. spets. obr. 10 no. 11:54-56 N '63.

LATHES—VIBRATION

Spreading of forced cutting-tool vibrations in lathe units. B. S. Gukasian. Izv. AN Arm. SSR. Ser. tekh. nauk 16 no. 5:69-73 '63.

LATIN AMERICA—COMMUNISM

Rumiantsev, A. M., ed. [Problems concerning the creation of a united anti-imperialistic front; materials of the discussion organized by the editors of the magazine "Problemy mira i sotsializma" in the summer of 1962] Problemy sozdaniia edinogo antiimperialisticheskogo fronta; materialy obmena mneniiami, organizovannogo redaktsiei zhurnala "Problemy mira i sotsializma" letom 1962 goda. Praga, Izd-vo "Mir i sotsializm", 1963. 129 p. (Mezhdunarodnye diskussii marksistov)

LATIN AMERICA—COMMUNIST PARTIES

Seething continent. Sovremennik. Nov. vrem. 21 no. 47:1-3 N '63.

LATIN AMERICA—ECONOMIC CONDITIONS

[Economic conditions of Latin America] Ekonomicheskoe polozhenie Latinskoi Ameriki. Moskva, 1963. 131 p. (Biulleten' inostrannoi kommercheskoi informatsii; prilozhenie, no. 11)

A revolution "on the installment plan." V. B. Tarasov. Vop. ist. 38 no. 12:105-107 D '63.

LATIN AMERICA—ECONOMIC POLICY

Illusive paths and sane roads toward the unity of Latin America. IA. G. Mashbits. Vop. ist. 38 no. 11:182-184 N '63.

LATIN AMERICA—EDUCATION

In the countries of Latin America. L. Belova. Nar. obr. no. 12:103-105 D '63.

LATIN AMERICA—FOREIGN RELATIONS—UNITED STATES

Invasion of colonialist "ideas" in Latin America. E. Ul'rov. Mezhdunar. zhizn' 10 no. 11:80-86 N '63.

Political climate south of the Rio Grande. IU. Bochkarev. Nov. vrem. 21 no. 52:13-15 D '63.

Seething continent. Sovremennik. Nov. vrem. 21 no. 47:1-3 N '63.

LATIN AMERICA—ILLITERACY

In the countries of Latin America. L. Belova. Nar. obr. no. 12:103-105 D '63.

LATIN AMERICA—LAND TENURE

Agrarian problem in Latin America. A. D. Gaikina. Vop. ist. 38 no. 12:170-179 D '63.

LATIN AMERICA—POLITICS

Cuba and the revolution in Latin America. Enrique Rodriguez. Kommunist 40 no. 16:100-106 N '63.

Illusive paths and sane roads toward the unity of Latin America. IA. G. Mashbits. Vop. ist 38 no. 11:182-184 N '63.

LATIN AMERICA—WARS OF INDEPENDENCE, 1806-1830

Position of the Russian Government in the early stage of the Latin American Wars of Independence. Submitted by N. N. Bolkhovitinov. Ist. arkh. 8 no. 3:120-131 My-Je '62.

LATIN-AMERICAN STUDIES
(see also subdivision under Germany, East)

All-Union conferences of university students on the problems of Latin America. A. I. Stroganov. Vop. ist. 38 no. 11:112 N '63.

LATVIA—CITIES AND TOWNS, RUINED, EXTINCT, ETC.

"The ancient site of Asote" (in Latvian) by E. D. Schnore. Reviewed by F. D. Gurevich, P. A. Rappoport. Sov. arkheol. 7 no. 4:282-283 '63.

LATVIA—DANCING

Em. Melngaila Tautas maksias nams. [Latvian dances] Latviesu dejas. [Riga] 1963. 230 p.

LATVIA—FIRES AND FIRE PREVENTION—STUDY AND TEACHING

Latvia is training specialists. R. Baranovskii. Pozh. delo 9 no. 10:26 O '63.

LATVIA—HISTORY

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Vestures un materialas kulturas instituts. [History of the Latvian S. S. R.] Latvijas PSR vesture. Atbildigais red. K. Strazdins. Riga, Latvijas PSR Zinatnu akad. izd-ba. [In Latvian]
Vol. 3. [From 1917 to 1950] No. 1917. gada lidz 1950. gadam. 1959. 864 p.

LATVIA—JOINTS (GEOLOGY)

Jointing of Sub-Quaternary sediments in the Latvian S. S. R. P. Liepins. Izv. AN Latv. SSR no. 9 61-70 '63.

LATVIA—PEAT INDUSTRY

Promising plan of over-all mechanization in the peat industry of the Latvian S. S. R. K. L. Krupitskii. Torf. prom. 40 no. 7:15-17 '63.

LATVIA—PRINTING INDUSTRY

Potential for increasing the productivity of the printing industry in Latvia. A. Kunina. Izv. AN Latv. SSR no. 9. 33-42 '63.

LATVIA—RESEARCH, INDUSTRIAL

Science based on practice. G. Danilenko. NTO 5 no. 11: 10-10 N '63.

LATVIA—REVOLUTION, 1917-1921

Stalnbergs, Valentins. [Struggle of Latvian workers for the Soviet regime in 1917] Latvijas darbalauzu sina par padomju varu 1917. gada. K. Kaulina redakcija. Riga, Latvijas valsts izd-ba, 1957. 269 p. [In Latvian]

LATVIA—TUBERCULOSIS

Current state of surgical treatment of pulmonary tuberculosis in the Latvian S. S. R. [with summary in French]. K. A. Seglins. Probl. tub. 40 no. 6:10-12 '62.

LATVIA—VISITORS, COLUMBIAN

Brief news. Izv. AN Latv. SSR no. 9:136 '63.

LATVIA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Raskovics, A. [Notes of a guerrilla fighter] Zapiski partizana. Riga, Latviiskoe gos. izd-vo, 1963. 333 p.

Raskovics, Alfreds. [Their true face; Latvian bourgeois nationalism against the interests of the people during the Great Patriotic War] Viau ista seja, par latviesu burzuazisko nacionalistu prettautisko darbibu liela tevijas kara laika. Parstradats un papildinats. 2. izd. Riga, Latvijas valsts izd-ba, 1962. 149 p. [In Latvian] (MH)

LATVIAN LANGUAGE—VERSIFICATION

Valeinis, Vitolds. [Poetics; the elements of literary composition] Poetika; daildarba elementi. Riga, Latvijas valsts izd-ba, 1961. 311 p. (In Latvian) (MH)

LATVIAN LITERATURE—HISTORY AND CRITICISM

Latvijas Padomju Socialistiskas Republikas Zinatnu akademija. Valodas un literaturas instituts. [History of Latvian literature in six volumes] Latviesu literaturas vesture sesos sejumos. Riga, Latvijas PSR Zinatnu akad. izd-ba. [In Latvian]
Vol. 3. [Period of the New Trend from the late 1880's to the beginning of the 20th century] Jaunas stravas periods no. 19. gs. 80. gadu beigam lidz gadsimtu mijai. 1956. 570 p.
Vol. 4. [Period of the bourgeoise democratic revolutions from the beginning of the 20th century to 1917- Burzuaziski demokratisko revoluciju periods no. 20. gs. sakuma lidz 1917. gadam 1957. 787 p.

LAUNCHES—HANDLING

Emel'ianov, IU. V., and R. I. Zhemarina, eds. [Manual for launch handlers] Posobie dlia voditelei katerov. Moskva, Izd-vo "Fizkul'tura i sprot," 1963. 363 p.

LAW see subdivision under Moldavia; Ukraine

LAW—CASES
(see also subdivision under Ukraine)

How public prosecutors supervise the observance of laws. Sots. zakon. 40 no. 9:88-89 S '63.

How public prosecutors supervise the observance of laws. Sots. zakon. 40 no. 11:82-85 N '63.

How public prosecutors supervise the observance of Soviet laws. Sots. zakon. 40 no. 10:77-80 O '63.

LAW—PERIODICALS

Conferences of contributors to our periodical. Sots. zakon. 40 no. 10:86-86-87 O '63.

Conferences of our readers in Siberia and the Far East. Sots. zakon. 40 no. 10:88-90 O '63.

We have strengthened our contacts with our readers. Sots. zakon. 40 no. 9:95-96 S '63.

LAW—PHILOSOPHY

Mikhaliak, IA. S. [Implementation of socialist law during the large-scale building of communism] Primenenie sotsialisticheskogo prava v period razvernutogo stroitel'stva kommunizma. Moskva, Gosiurizdat, 1963. 43 p. (Bibliotechka slushatelia narodnogo universiteta pravovykh znanii)

A scholarly work on the theory of state and law. A. Davidovich. Polit. samoobr. 7 no. 8:132-138 Ag '63.

Soviet jurisprudence should be high-principled and effective. Sots. zakon. 40 no. 11:6-12 N '63.

LAW—STUDY AND TEACHING
(see also subdivision under Leningrad)

A methodological study group of the higher officials of the Office of the Public Prosecutor of the U. S. S. R. Sots. zakon. 40 no. 10:75-76 O '63.

LAW SCHOOLS see subdivision under Estonia

LAW TEACHERS

Law school teachers and the postgraduate training of young lawyers in the law schools of the U. S. S. R. Izv. vys. ucheb. zav.; prav. 7 no. 3 3-13 '63.

LAWYERS IN LITERATURE

A writer shouldn't be too rash. P. Skomorokhov. Sots. zakon. 40 no. 11:90-93 N '63.

LAYING OUT (MACHINE-SHOP PRACTICE)

Layout device. Mashinostroitel' no. 10:44 O '63.

LAZAREV, PETR PETROVICH, 1878-1942

Portrait of an outstanding scientist; valuable documents about P. P. Lazarev. Priroda 52 no. 10:94-96 '63.

LAZAREV REGION, ANTARCTICA—ICE

Practice in the determination of shelf ice movement in the Lazarev Station region based on astronomical observations. P. D. Volkov. Inform. biul. Sov. antark. eksp. no. 42:13-15 '63.

LAZAREV SHELF ICE

Dynamics of the Lazarev Shelf Ice. L. I. Dubrovin. Inform. biul. Sov. antark. eksp. no. 42:17-21 '63.

LAZUTIN, IVAN GEORGIEVICH, 1923-

A writer shouldn't be too rash. P. Skomorokhov. Sots. zakon. 40 no. 11:90-93 N '63.

LEACHING

Composition of the solid phase and the role of sodium in the β = $2CaO \cdot SiO_2$ interaction with sodium aluminate solutions. A. S. Berger. TSvet. met. 36 no. 10:50-56 O '63.

Diagrams for determining the density of aluminate sodium-alkali solutions. E. Z. Vydrevich, M. A. Zaitseva, A. N. Orlova. TSvet. met. 36 no. 10:56-60 O '63.

Salt loss from chloride-salinized soils during leaching [with summary in English]. P. S. Panin. Pochvovedenie no. 11:86-96 N '63.

LEACHING—THERMODYNAMICS

Thermodynamic analysis of reactions involved in the autoclave leaching of sulfides. A. S. IAroslavtsev, P. M. Shurygin, V. I. Smirnov. Dokl. AN SSSR 153 no. 3:408-411 N '63.

LEAD COMPOUNDS—ELECTRIC PROPERTIES

Variations in the electric resistance of PbS, PbSe, and PbTe at pressures up to 200,000 kg./cm^2. A. A. Semerchan and others. Dokl. AN SSSR 152 no. 5:1079-1081 O '63.

LEAD INDUSTRY see subdivision under Ust'-Kamenogorsk

LEAD ISOTOPES

Quantitative interpretation of the kinetics of lead isotope separation from uranites. S. B. Brandt, S. N. Voronovskii. Izv. AN SSSR, Ser. geol. 28 no. 7:83-87 Jl '63.

LEAD OXIDES

Activity of lead oxide in melts of the $PbO - SiO_2$ system V. I. Minenko, N. S. Ivanova. Ukr. khim. zhur. 29 no. 11:1160-1164 '63.

Use of insoluble anodes of lead dioxide in the processes of electrochemical synthesis. N. G. Bakhchisaraitsian, E. A. Dzhafarov. Azerb. khim. zhur. no. 3:109-115 '62.

LEAD PLATING

Effect of small additions of metals on the surface phenomena during hot lead plating. Report No 2. N. N. Gratsianskii, A. K. Riabov, V. V. Tobolich

LEAD SELENIDE CRYSTALS—OPTICAL PROPERTIES

Optical reflection of PbS and PbSe single crystals in the region 6 ÷ 1.5 ev. M. L. Belle. Fiz. tver. tela 5 no. 11:3282-3284 N '63.

LEAD SULFIDE—ELECTRIC PROPERTIES

Field effect in thin lead sulfide films. B. A. Nesterenko and others. Fiz. tver. tela 5 no. 11:3199-3206 N '63.

LEAD SULFIDE CRYSTALS—OPTICAL PROPERTIES

Optical reflection of PbS and PbSe single crystals in the region 6 + 1 5 ev. M. L. Belle. Fiz. tver. tela 5 no. 11:3282-3284 N '63.

LEAF MINERS see subdivision under Georgia

LEAF ROLLERS see subdivision under Voronezh Province

LEAFHOPPERS see subdivision under Tien Shan

LEARNING AND SCHOLARSHIP

Learn from life and from science; from V. A. Obruchev's radio address, October 9, 1953. Priroda 52 no. 10, 48 '63.

LEAST SQUARES

Using the method of least squares for studying the dynamics of output, cost, and labor productivity. A. A. Buguiskii. Vest. sel'khoz. nauki 8 no. 6 136-144 Je '63.

LEATHER—ANALYSIS see subdivision under Polotsk

LEATHER—TESTING

Qualitative analysis of correlation bonds in the testing of shoe materials. V. P. Nesterov. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 5:68-76 '63.

LEATHER, ARTIFICIAL

Determining the oil content of artificial leather. A. IAry-gin, T. Nazarova, Z. Balashova. Poligr. proizv. no. 10, 29 O '63.

[Handbook on the manufacture of artificial leather] Spravochnik po proizvodstvu iskusstvennoi kozhi. Moskva, Gizlegprom.
Vol. 1. Sost. B. IA. Kipnis i dr. Pod obshchei red. V. A. Mikhailova. 1963. 523 p.

Problem of dissolving and reconstituting collagen. A. A. Golovteeva, I. S. Shestakova, N. V. Chernov. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 5:62-67 '63.

Synthesis and investigation of hydrophilic polyester urethanes for the manufacture of artificial leather with high hygienic properties. S. L. Polinskii, I. V. Plotnikov, S. A. Pavlov. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 5:31-36 '63.

Use of hydrophilic polymers for the production of the grain layer of artificial leather with a protein fibrous base. G. M. Otopkov, S. A. Pavlov. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 5:37-43 '63.

LEATHER INDUSTRY

Fridland, A. A. [Fundamentals of the mechanical technology of leather manufacture] Osnovy mekhanicheskoi tekhnologii kozhi. Moskva, Gizlegprom, 1963. 261 p.

Semiautomatic production line for the manufacture of leather from pigskins and potentials for increasing capacity and labor productivity. I. K. Kviatkevich. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 5:98-105 '63.

Use of latexes in the leather and shoe industry. IU. Klimchuk. Prom. Arm. 6 no. 9:64-66 S '63.

LEATHER INDUSTRY—PRODUCTION STANDARDS

Mathematical method for establishing work norms in the cutting of soft leather. G. P. Ispirian, V. S. Chmelev, N. A. Grubyi. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 5:10-17 '63.

LEATHER INDUSTRY—STANDARDS

Standardization in the leather and shoe industry. IU. L. Kavkazov. Standartizatsiia 27 no. 11:28-29 N '63.

LEBEDEV, ALEKSANDR ALEKSEEVICH, 1893-

Aleksandr Alekseevich Lebedev; on his 70th birthday. Opt. i spektr. 15 no. 5:719-720 N '63.

LEBEDYAN' DISTRICT (LUGANSK PROVINCE)—SCHOOL SUPERVISION

Practice of the Lebedyan' District Office of the Pedagogical Association of the R.S.F.S.R. N. Pupynin. Sov. pedag. 27 no. 9:159-160 S '63.

LECTURES AND LECTURING see subdivision under Barnaul; White Russia

LEG—DISEASES

Function tests for the recognition of insufficiency of the deep veins of the lower extremity. V. V. Ivanov. Khirurgiia 39 no. 7:132-133 Jl '63.

LEG—SURGERY

Surgical treatment of thrombophlebitis of the lower extremities. V. I. Trubachev. Vest. khir. 90 no. 6:127-130 Je '63.

LEG—WOUNDS AND INJURIES

Possibility of a traumatic amputation (avulsions) of parts of the body in automobile injuries. A. A. Matyshev. Sud.-med. ekspert. 6 no. 4:40-41 O-D '63.

LEGAL AID

Let us improve the organization of legal aid to collective and state farms. A. Krapivin, I. Sukharev. Sov. iust. no. 20:20 O '63.

Voluntary work of practicing lawyers among the masses. IU. Naumov, L. Vladimirov, S. Soliunin. Sov. iust. no. 22:21-22 N '63.

LEGAL ETHICS

Ethical problems in a criminal defense. E. Zaitsev. Sov. iust. no. 22 13-15 N '63.

LEGAL RESEARCH

Law school teachers and the postgraduate training of young lawyers in the law schools of the U. S. S. R. Izv. vys. ucheb. zav.; prav. 7 no. 3:3-13 '63.

Legal studies during the building of communism. Kommunist 40 no. 16:26-36 N '63.

LEGENDS see subdivision under Mamadysh District

LEGENDS, ESTONIAN

Lithuanian legends about vanished cities. B. Kerbelite. Sov. etn. no. 5:99-108 S-O '63.

LEGISLATION

Some theoretical problems relating to the preparation and enactment of laws. L. I. Antonova. Izv. vys. ucheb. zav., prav. 7 no. 3,14-22 '63.

LEGUMES see subdivision under Uzbekistan

LEIPZIG, BATTLE OF, 1813

Battle of Leipzig in 1813. A. Kochetkov. Voen.-ist. zhur. 5 no. 10:127-128 O '63.

LENA VALLEY—DESCRIPTION AND TRAVEL

Lena River, the blue road. IU. Apenchenko. Sov. Soiuz no. 11, 8-9 '63.

LENA VALLEY—DIAMONDS

Diamond potential of the Lena Valley; new diamond-bearing area in the northeastern part of the Siberian Platform. B. I. Prokopchuk and others. Trudy IAFAN AN SSSR. Ser. geol. no. 9:115-122 '63.

LENGTH MEASUREMENT

Measurement of great lengths in workshops. V. A. Truten', R. V. Falaleeva. Izm. tekh. no. 12:7-9 D '63.

Measuring the rectilinearity of long guides by means of self-collimators. E. I. Finkel'shtein. Izm. tekh no. 12:9-12 D '63.

Present status and objectives of metrology in the field of linear and angular measurements. L. K. Kolak. Izm. tekh. no. 11:1-5 N '63.

LENIN, VLADIMIR IL'ICH, 1870-1924

Beginning of Lenin's revolutionary activities. Smena 40 no. 13:1-3 Jl '63.

Bugaev, E. I. [Our Lenin's party] Nasha leninskaia partiia. Moskva, Politizdat, 1963. 143 p.

Celebration of the anniversary of V. I. Lenin's death in western White Russia. A. N. Pleshevenia. Ist. arkh. 8 no. 3,193-194 My-Je '62.

Even today Lenin is more alive than all the living. Kadyr Myrzaliev, V. Ivanov-Sokol'skii, V. Antoshchenko-Olenev. Part. zhizn' Kazakh 33 no. 11:41-44 N '63.

Find in the Pijarska Street. IAkov Makarenko. Ogonek 41 no. 44:26-27 O '63.

Great friend and teacher of the Oriental peoples. I. Chernikov. Komm. Ukr. 36 no. 11:84-87 N '62.

Khodza, N. [On Lenin for the Junior Pioneers] O Lenine - Oktiabrialam. Leningrad, Detgiz, 1963. 52 p. illus.

Leibzon, B. M. [Lenin's conception of the party and the contemporary communist movement] Leninskoe uchenie o partii i sovremennoe kommunisticheskoe dvizhenie. Moskva, Politizdat, 1963. 383 p.

Lenin, V. I. [Complete works] Polnoe sobranie sochinenii. Izd. 5. Moskva, Gospolitizdat.
Vol. 42. [November-1920-March 1921] Noiabr' 1920-mart 1921. 1963. 606 p.

Lenin's formula. Fatekh Niiazi. Znamia 33 no. 6:144-159 Je '63.

Mor, N. M. [Lenin's art of propaganda and agitation] Leninskoe iskusstvo propagandy i agitatsii. Moskva, Politizdat, 1963. 114 p.

Moscow. Institut marksizma-leninizma. [V. I. Lenin; a brief biographical sketch] V. I. Lenin; kratkii biograficheskii ocherk. Izd. 2. Moskva, Politizdat, 1963. 190 p.

A new document of V. I. Lenin. Part. zhizn' (Uzb.) 6 no. 10:3-16 O '62.

Reference book for a communist. A. Vodolazskii. Part. zhizn' [Uzb.] 6 no. 6:92 Je '63.

Story of a snapshot. M. Leshchinskii. Sov. Soiuz no. 11: 12-13 '63.

Student conferences on theory. A. B. Reznik. Prep. ist. v shkole 18 no. 6:84-85 N-D '63.

Tourist paths of Il'ich. L. Gurvich. Vokrug sveta no. 11:2-5 N '63.

V. I. Lenin and problems of literary research. Z. Gershkovich. Zvezda no. 5:209 My '62.

V. I. Lenin on the work of the soviets. V. Vorontsov. Part. zhizn' no. 1:73-77 Ja '64.

V. I. Lenin's struggle for the leadership of the working class and the idea of the dictatorship of the proletariat on the eve of the First Russian Revolution of 1905-1907. F. I. Fomichev. Uch. zap. Orekh.-Zuev. ped. in-st. 20 no. 3,3-33 '63.

V. I. Lenin's views on the successive periods of the Great October Socialist Revolution. M. E. Naidenov. Ist. SSSR 7 no. 6:3-19 N-D '63.

LENIN, VLADIMIR IL'ICH, 1870-1924—BIBLIOGRAPHY see Bibliography—Lenin, Vladimir Il'ich, 1870-1924

LENIN, VLADIMIR IL'ICH, 1870-1924—HOMES AND HAUNTS

Velichko, M. A. [Pages of a great life; places where Lenin lived. Sketches] Stranitsy bol'shoi zhizni; po leninskim mestam. Ocherki. [Moskva] Mosk. rabochii, 1963. 293 p.

LENIN, VLADIMIR IL'ICH, 1870-1924—MUSEUMS, RELICS, ETC.

The Lenin room. E. Zinovenko. Mol. komm. no. 9 84 S '63.

LENIN DISTRICT (NORTH KAZAKHSTAN PROVINCE)—CONSTRUCTION INDUSTRY

They could build better. V. Pirozhkov. Koop. Kazakh. 6 no. 7:55 O '63.

LENIN DISTRICT (NORTH KAZAKHSTAN PROVINCE)—COOPERATIVE SOCIETIES

Satisfy demand on time. S. Kazanbaev. Koop. Kazakh. 6 no. 7,45-46 O '63.

LENIN IN LITERATURE AND ART

Living features of Il'ich. S. Burdianskii. Ogonek 41 no. 45 16 N '63.

LENIN PRIZES

Lenin Prizes of 1963 in the field of physics. Fiz. v shkole 23 no. 3:19-21 My-Je '63.

LENINABAD—BRIDGES, CONCRETE

Manufacture and assembly of spans for the city bridge in Leninabad. V. G. Andreev. Transp. stroi. 13 no. 9:12-15 S '63.

LENINGRAD—APARTMENT HOUSES

Structures, technology, and organization of production; innovations at the Avtovskiyi Housing Construction Combine. I. N. Kugushev. Stroi. i arkhit. Len. 25 no. 11: 19-21 N '63.

LENINGRAD—ARCHIVES

Documents of the Government Archive of the October Revolution and the Building of Socialism of Leningrad Province as a source for the history of Leningrad workers during the years of the Great Patriotic War. N. N. Amosov. Ist. rab. klas. Len. no. 1:200-212 '62.

Materials of the Government Archive of the October Revolution and the Building of Socialism of Leningrad Province as a source for the history of Leningrad workers, 1945 to 1955. A. S. Dubin, N. B. Lebedeva. Ist. rab. klas. Len. no. 1:213-227 '62.

LENINGRAD—AUDIO-VISUAL EQUIPMENT—EXHIBITIONS

Technical means of propaganda. IU. Znamenskii. Part. zhizn' no. 23:55-57 D '63.

LENINGRAD—AUTHORS

The Communist Youth League orders poems. R. Zelenova. Komsom. zhizn' no. 10:11-12 O '63.

LENINGRAD—BAKERIES—HYGIENIC ASPECTS

Air mycoflora in bakeries [with summary in English]. T. K. Kalivish. Vest. LGU 18 no. 21:160-167 '63.

LENINGRAD—CAMPUS PLANNING

Reconstruction of the I. I. Gaza house of culture. Stroi. i arkhit. Len. 25 no. 11:36 N '63.

LENINGRAD—CHILDREN'S PLAYS

Season of the Theater of Juvenile Creativity. D. Ukhtomskii. Ogonek 41 no. 42:6-7 O '63.

LENINGRAD—CITY PLANNING

Leningrad Design and Planning Institute and Kirov District. Stroi. i arkhit. Len. 25 no. 11:30-33 N '63.

The Narva gate region is now Kirov District. P. P. Antsimov. Stroi. i arkhit. Len. 25 no. 11:2-5 N '63.

New sections of Krasnoputilovskaya Street. A. V. Vasil'ev, A. I. Kozulin. Stroi. i arkhit. Len. 25 no. 11:13-15 N '63.

On the main street. A. I. Naumov, V. P. Gromov. Stroi. i arkhit. Len. 25 no. 11:7-11 N '63.

LENINGRAD—CIVIC IMPROVEMENT

With wide volunteer participation. V. I. Avdeev. Stroi. i arkhit. Len. 25 no. 11:22-23 N '63.

LENINGRAD—COLD STORAGE WAREHOUSES

Experience in the operation of the Harbor Cold Storage Warehouse in Leningrad. L. P. Sysoev. Ser. IH: Nov. mash., obor. i sred. avtomatiz. no. 50:82-85 '63.

LENINGRAD—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Zazerskii, E. IA., comp. [There, where a man lives] Tam, gde chelovek zhivet [Leningrad] 1962. 249 p. (MB)

LENINGRAD—COMMUNITY AND SCHOOL

Friendship between generations. V. Il'ichev. Prof.-tekh. obr. 20 no. 10:4-5 O '63.

Let's show our concern for the next generation. Prof.-tekh. obr. 20 no. 10:3 O '63.

LENINGRAD—COMMUNITY CENTERS

Does everything depend on a club? R. Milonov. Sov. profsoiuzy 19 no. 18:21-24 S '63.

Leningrad House of Educational Workers. V. Vishnevskii. Nar. obr. no. 9:125-126 S '63.

LENINGRAD—COMMUNITY LIFE

Glowing stars for newborn infants. K. Cherevkov. Ogonek 41 no. 50, 30-31 D '63

LENINGRAD—CONSTRUCTION EQUIPMENT—MAINTENANCE AND REPAIR

Pershin, M. A., and others. [Movable tool-repair shops on city-block construction sites] Peredvizhnye instrumental'no-remontnye masterskie na ob"ektakh kvartal'noi zastroiki; opyt raboty Glavleningradstroia. Leningrad, 1963. 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Serila: Stroitel'noe proizvodstvo, no. 5)

LENINGRAD—CONSTRUCTION INDUSTRY

In the Executive Committee of the Leningrad Soviet. Stroi. i arkhit. Len. 25 no. 11 p. 3 of cover N '63.

LENINGRAD—CONSTRUCTION INDUSTRY—PRODUCTION METHODS

Along the path of specialization. Stroi. i arkhit. Len. 25 no. 11:26-28 N '63.

Continuity and speed; what the building of block No. 1 in Dachnoye has taught us. L. S. Ruinus, S. B. Riabinkii. Stroi. i arkhit. Len. 25 no. 11, 24-26 N '63.

LENINGRAD—COOPERATIVE SOCIETIES

From the history of the economic ties of the Petrograd workers with the peasantry in 1921. V. A. TSybul'skii. Ist. rab. klas. Len. no. 1:21-36 '62.

LENINGRAD—COST AND STANDARD OF LIVING

Standard of living of the U. S. S. R working class during the transition from capitalism to communism, 1917 to 1937; based on Leningrad materials. O. I. Shkaratan. Ist. rab. klas. Len. no. 1:91-105 '62.

LENINGRAD—EMPLOYEES, DISMISSAL OF

Featherbeggers. G. Kalugin. Part. zhizn' no. 22:76-78 N '63.

LENINGRAD—GUIDEBOOKS

Leningrad; sputnik turista. Ukazatel' k karte. A short guide. Explanatory index to the map. [Leningrad] Lenizdat, 1963. 410 p., map.

LENINGRAD—HEART—INFARCTION

Results of the prevention of a myocardiac infarct and thromboembolic diseases in Leningrad [with summary in English]. G. M. TSyganov, M. S. Zhilov, IA. B. Eidinov. Klin. med. 40 no. 11:44-51 '62.

LENINGRAD—HISTORICAL MARKERS

Flame of the "Marsovo Pole." K. Cherevkov. Ogonek 41 no. 40:4-5 N '63.

LENINGRAD—HOURS OF LABOR

Struggle of the St. Petersburg workers for the eight-hour workday during the years of the First Russian Revolution. I. S. Smolin. Ist. rab. klas. Len. no. 2: 113-131 '63.

LENINGRAD—HOUSE ORGANS

Large circulation of factory and plant newspapers as a source for the history of the working class; based on materials of the Leningrad press. A. P. Kupalgorodskaia. Ist. rab. klas. Len. no. 1:102-109 '62.

LENINGRAD—INDUSTRIAL RELATIONS

The other side of glory. Valeriia Gordeeva. Smena 40 no. 17:14-15 S '63.

LENINGRAD—INDUSTRIES

Nosov, F. V. [In the effort for the seven-year plan] V bor'be za semiletku. [Leningrad] Lenizdat, 1963. 79 p.

LENINGRAD—JUSTICE, ADMINISTRATION OF

Let us study and generalize the results of organizational work. N. Ermakov, N. Isakova. Sov. iust. no. 22:7-8 N '63.

LENINGRAD—LABOR AND LABORING CLASSES

Conditions and problems in the study of the history of Leningrad workers during the Soviet period. N. A. Kornatovskii. Ist. rab. klas. Len. no. 1:3-20 '62.

From the history of the economic ties of the Petrograd workers with the peasantry in 1921. V. A. TSybul'skii. Ist. rab. klas. Len. no. 1 21-38 '62.

Increasing the role of the working class in state and public administration under present-day conditions, based on materials of the Leningrad Party Organization. E. M. Vakhanskii. Ist. rab. klas. Len. no. 1 130-133 '62.

Large circulation of factory and plant newspapers as a source for the history of the working class, based on materials of the Leningrad press. A. P. Kupalgorodskaia. Ist. rab. klas. Len. no. 1 192-199 '62.

Leningrad, Universitet. [History of the working class of Leningrad] Istoriia rabochego klassa Leningrada. [Leningrad] Izd-vo Leningr. univ.
Vol. 2. [From the history of the working class of St. Petersburg-Petrograd] Iz istorii rabochego klassa Peterburga-Petrograda, 1963. 210 p.

Mass trade-union journals of 1917 to 1937 as a source for studying the history of the working class, based on materials of the M. E. Saltykov-Shchedrin Public Library periodical collection. A. F. Shevtsova. Ist. rab. klas. Len. no. 1:182-191 '62.

Materials of the Government Archive of the October Revolution and the Building of Socialism of Leningrad Province as a source for the history of Leningrad workers, 1915 to 1955. A. S. Dubin, N. B. Lebedeva. Ist. rab. klas. Len. no. 1:213-227 '62.

Participation of Leningrad workers in the collectivization of U. S. S. R. agriculture, 1929 to 1932. I. A. Ivanov. Ist. rab. klas. Len. no. 1:73-90 '62.

LENINGRAD—LABOR AND LABORING CLASSES—EDUCATION

Berezov, V. A. [Schools of communist labor practice] Shkoly opyta kommunisticheskogo truda. [Leningrad] Lenizdat, 1963. 89 p.

Training a labor force of young workers; based on Leningrad materials. L. E. Ankudinova. Ist. rab. klas. Len. no. 1, 39-55 '62.

LENINGRAD—LABOR AND LABORING CLASSES—STATISTICS

Comparative characteristics in the number and composition of Leningrad and Moscow workers during the postwar period. V. E. Poletaev. Ist. rab. klas. Len. no. 1: 122-129 '62.

Number and composition of the St. Petersburg proletariat at the beginning of the 20th century. A. I. Davidenko. Ist. rab. klas. Len. no. 2:92-112 '63.

LENINGRAD—LAW—STUDY AND TEACHING

Popular universities of legal science in the city of Leningrad. S. Musina. Sov. iust. no. 22 26-27 N '63.

LENINGRAD—MACHINERY INDUSTRY—MANAGEMENT

Total utilization of industrial equipment. V. Spirkin. Mashinostroitel' no. 10:32-33 O '63.

LENINGRAD—MOLDS (BOTANY)

Air mycoflora in bakeries [with summary in English]. T. K. Kal'vish. Vest. LGU 18 no. 21 160-167 '63.

LENINGRAD—ONCOLOGY

Report on the therapeutic work of the Institute of Oncology of the Academy of Medical Sciences of the U. S. S. R. for 1958. A. P. Shanin, V. M. Uglova. no. 3 243-263 '60.

LENINGRAD—PARKS

The V. I. Lenin park is being created. L. L. Shrater. Stroi. i arkhit. Len. 25 no. 11, 16-18 N '63.

LENINGRAD—POLITICS AND GOVERNMENT

Increasing the role of the working class in state and public administration under present-day conditions; based on materials of the Leningrad Party Organization. E. M. Vakhanskii. Ist. rab. klas. Len. no. 1:130-153 '62.

LENINGRAD—POSTAL SERVICE

Mechanization of the processing and dispatching of newspapers in the post office of Leningrad. A. K. Rodionov. Vest. sviazi 22 no. 11:13-14 N '62.

LENINGRAD—PRINTING INDUSTRY

Cooperation is the pledge of success. I. Valershtein, L. Lukina, B Saf'ian, NTO 5 no. 11:19-20 N '63.

LENINGRAD—RECONSTRUCTION

The Leningrad workers in the effort for industrial reconstruction, 1944 to 1949. V. A. Ezhov. Ist. rab. klas. Len. no. 1:106-121 '62.

LENINGRAD—REVOLUTION, 1917-1921

Kruglova, A. I. [Unforgettable events; reminiscences] Nezabyvaemoe; vospominania. [Leningrad] Lenizdat, 1963. 143 p.

Struggle of Petrograd workers for production control during the peaceful development of the revolution, March to June 1917. V. I. Selitskii. Ist. rab. klas. Len. no. 2:187-211 '63.

LENINGRAD—REVOLUTION OF 1905

Struggle of the St. Petersburg workers for the eight-hour workday during the years of the First Russian Revolution. I. S. Smolin. Ist. rab. klas. Len. no. 2: 113-131 '63.

LENINGRAD—RODENTIA

Nonsynanthropic species of rodents in Leningrad [with summary in English]. N. S. Klimchuk, A. V. Starostina Zool. zhur. 42 no 10 1554-1561 '63

LENINGRAD—SCHOOLCHILDREN—FOOD

All schoolchildren get breakfast and lunch in the school dining room K Konovalov Obshchestv pit. no. 6 31 Je '63

LENINGRAD—SHIPBUILDING

420 minutes of working time to production. M. Kovadlo. Mashinostroitel' no. 10 2-3 O '63.

LENINGRAD—SHIPBUILDING WORKERS—EDUCATION AND TRAINING

Matriculation certificate E. Vistunov, I. Zapadalov. Part. zhizn' no. 22-49-51 N '63

LENINGRAD—SIEGE, 1941-1944

An American historian describes the heroic defense of Leningrad. V. M Kovak'chuk, G. L. Sobolev. Vop. ist. 38 no. 12:156-158 D '63.

[Flare over the Neva; collective documentary narrations] Plamia nad Nevoi, kollektivnaia dokumental'naia povest'. [Leningrad] Lenizdat, 1964 602 p.

"Live!", from the cycle "Stories about the strong." Anatolii Glebov. Zvezda no. 5:172-177 My '62.

Thousands of lives. A. Kirichenko. Zvezda no. 5:178-179 My '62.

LENINGRAD—STREETS

Khablo, E. P., and K. S. Gorbachevich. [Leningrad streets are named after them] Ikh imenami nazvany ulitsy Leningrada. [Leningrad] Lenizdat, 1963. 367 p.

New structure of main arteries and streets. A. P. Zhukovskii, M. A. Piir. Stroi. i arkhit. Len. 25 no. 11:29 N '63.

LENINGRAD—STRIKES AND LOCKOUTS

The 1895 and 1896 strikes in St. Petersburg and their influence on the development of a mass labor movement. F. M. Suslova. Ist. rab. klas. Len. no. 2 49-91 '63.

LENINGRAD—STRIKES AND LOCKOUTS—STATISTICS

Strike struggle of the Petrograd proletariat during the First World War, July 19, 1914 to February 16, 1917. I. P. Leiberov. Ist. rab. klas. Len. no. 2 156-186 '63.

LENINGRAD—SUGGESTION SYSTEMS

The working class and technological progress, 1959 to 1961, based on Leningrad materials. V. F. Smirnov. Ist. rab. klas. Len. no. 1:154-169 '62.

LENINGRAD—SYMPHONY ORCHESTRAS

Vanderflaas, L. D. [Symphonic music in Leningrad] Simfonicheskaia muzyka v Leningrade. Leningrad, Muzgiz, 1963. 37 p. (Bibliioteka muzykal'nogo samoobrazovaniia)

LENINGRAD—TECHNICAL EDUCATION—DIRECTORIES

[Technical and vocational schools of Leningrad; a handbook for entering students] Tekhnikumy i uchilishcha Leningrada; spravochnik dlia postupaiushchikh. [Leningrad] Lenizdat, 1957-
(DS)

LENINGRAD—TECHNOLOGICAL INNOVATIONS

The working class and technological progress, 1959 to 1961, based on Leningrad materials. V. F. Smirnov. Ist. rab. klas. Len. no. 1:154-169 '62.

LENINGRAD—TEXTILE INDUSTRY

From the work practice of communist labor brigades in the textile enterprises of Leningrad. E. A. Abramov, N. S. Zemskov. Ist. rab. klas. Len. no. 1:170-181 '62.

LENINGRAD—TEXTILE WORKERS

Reception hour. V. Dubrovin. Part. zhizn' no. 21-62-63 N '63.

LENINGRAD—THROMBOEMBOLISM—PREVENTION

Results of the prevention of a myocardiac infarct and thromboembolic diseases in Leningrad [with summary in English]. G. M. TSyganov, M. S. Zhilov, IA. B. Eidinov. Klin. med. 40 no. 11:44-51 '62.

LENINGRAD—TRADE UNIONS

Trade Unions of St. Petersburg during the reaction years, 1907-1910. N. I. Kats. Ist. rab. klas. Len. no. 2: 132-155 '63.

LENINGRAD—WAGES—CONSTRUCTION WORKERS

Khvorostiannikov, M. D. [New form of wage organization in construction assembly brigades; practice of the Main Administration for Housing and Public Construction of the City of Leningrad] Novaia forma organizatsii oplaty truda v brigadakh konechnoi produktsii, opyt Glavleningradstroia. Leningrad, 1963. 14 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Serila: Stroitel'noe proizvodstvo, no. 4)

LENINGRAD—WAR MEMORIALS

Slobozhan, I I Marsovo pole. [Leningrad] Lenizdat, 1963 169 p. (Dostoprimechatel'nosti Leningrada)

To the valiant heroes of the Kirov Division Stroi. i arkhit. Len. 25 no. 11,34-35 N '63.

LENINGRAD—WOODY PLANTS

Effect of the temperature conditions at the beginning of the winter of 1960-1961 on woody plants in Leningrad N. E. Bulygin Mat po fen. no. 2,16-19 '61

LENINGRAD—WORKS COUNCILS

Production conferences in Leningrad enterprises, 1926 to 1929. A. N. Gutarov. Ist. rab. klas. Len. no. 1 56-72 '62.

Struggle of Petrograd workers for production control during the peaceful development of the revolution, March to June 1917. V. I. Selitskii. Ist. rab. klas. Len. no. 2 187-211 '63.

LENINGRAD—WORLD WAR, 1939-1945—ECONOMIC ASPECTS

Documents of the Government Archive of the October Revolution and the Building of Socialism of Leningrad Province as a source for the history of Leningrad workers during the years of the Great Patriotic War. N. N. Amosov. Ist. rab. klas. Len. no. 1, 200-212 '62.

LENINGRAD—YOUTH—EMPLOYMENT

Training a labor force of young workers; based on Leningrad materials. L. E. Ankudinova. Ist. rab. klas. Len. no. 1; 39-55 '62.

LENINGRAD—ZOOLOGICAL GARDENS

Aleksandrov, V. M., and G. I. Izlumov. [Leningrad Zoological Garden, a concise guide] Leningradskii zoopark, kratkii putevoditel'. [Leningrad] Lenizdat, 1963. 82 p.

LENINGRAD ECONOMIC REGION—ADMINISTRATIVE ECONOMIC COUNCILS

How a legal section lends its assistance to an economic council. I. Glotova. Sov. iust. no. 22;25 N '63.

LENINGRAD ECONOMIC REGION—INDUSTRIAL ORGANIZATION

Economic plan and labor productivity. V. Kokushkin. Sots. trud 8 no. 10;13-20 O '63.

LENINGRAD ECONOMIC REGION—INFORMATION SERVICES

Organization of reference and information service in the Central Office of Technological Information of the Leningrad Economic Council. V. M. Reshkin. Opyt rab. po tekh. inform. i prop. no. 1;21-25 '63.

Survey and competition of public designing offices in the Leningrad Economic Council. M. M. Kurbatov. Opyt rab. po tekh. inform. i prop. no. 1;44-47 '63.

LENINGRAD ECONOMIC REGION—LABOR PRODUCTIVITY

Economic plan and labor productivity. V. Kokushkin. Sots. trud 8 no. 10;13-20 O '63.

LENINGRAD GOVERNMENT—LABOR AND LABORING CLASSES

Formation of a labor force in St. Petersburg enterprises from 1801 to 1861. E. I. Zisel'son. Ist. rab. klas. Len. no. 2;3-18 '63.

LENINGRAD GOVERNMENT—LABOR AND LABORING CLASSES—STATISTICS

The St. Petersburg proletariat in the 1860's; number of workers, composition and economic condition. D. G. Kutsentov. Ist. rab. klas. Len. no. 2;19-48 '63.

LENINGRAD PROVINCE—ARBITRATION AND AWARD

Public representation council of an arbitration agency. A. Chistiakova, E. Prudinskii. Sov. iust. no. 22;23-24 N '63.

LENINGRAD PROVINCE—AUDITING AND INSPECTION

From a practice in organizing intradepartmental control. A. Ignatov. Bukhg. uchet 20 no. 11;57-64 N '63.

LENINGRAD PROVINCE—CRIME PREVENTION

More attention to crime prevention. G. Kurnosov. Sov. iust. no. 22;4-6 N '63.

Our efforts to prevent criminal offenses. L. Slitenko. Sov. iust. no. 22;10-11 N '63.

LENINGRAD PROVINCE—CRIMINAL JUSTICE, ADMINISTRATION OF

New forms of public participation in the struggle against the violation of Soviet laws. R. Ekzemplarov. Sots. zakon. 40 no. 9;58-59 S '63.

LENINGRAD PROVINCE—INDUSTRIAL MANAGEMENT—CONGRESSES

Enterprise fund is the collective's incentive fund. L. Ganichev. Sots. trud 8 no. 10;76-79 O '63.

LENINGRAD PROVINCE—INSURANCE, SOCIAL

Neighbors. V. Leont'ev. Sots. obesp. 24 no. 9;6-10 S '63.

LENINGRAD PROVINCE—RHEUMATIC FEVER—PREVENTION

Prevention of rheumatic fever [with summary in English]. E. V. Gembitskii, S. I. Brodskaia. Klin. med. 40 no. 11; 85-89 N '62.

LENINGRAD PROVINCE—SQUIRRELS

Ecology of the flying squirrel pteromys volans in Leningrad Province (with summary in English). A. E. Airapetiants. Vest. LGU 18 no. 151-155 '63.

LENINGRAD PROVINCE—STATE FARMS

Roads leading to abundance; remarks of a director of a state farm. I. Lukashev. Zvezda no. 5;150-153 My '62.

LENINOGORSK—NONFERROUS METAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS

The cost of miscalculations. N. Marin. Nar. khoz. Kazakh. 21 no. 9;40-42 S '63.

For technological progress. D. Lachkov. Nar. khoz. Kazakh. 21 no. 9;48-49 S '63.

LENSES

Calculation of an aspherical lens having a pair of real aplanatic points. A. G. Vlasov, D. M. Krupp. Opt. i spektr. 15 no. 5,676-681 N '63.

LEONOV, LEONID MAKSIMOVICH, 1899-

Starikova, E. V. ["Russian forest" by Leonid Leonov; Vikhrov and Gratsianskii] "Russkii les" Leonida Leonova, Vikhrov i Gratsianskii. Moskva, Izd-vo khudozh. lit-ry, 1963. 117 p. (Massovaia istoriko-literaturnaia biblioteka)

LEPESHINSKII, PANTELEIMON NIKOLAEVICH, 1868-1944

P. N. Lepeshinskii, an outstanding Soviet educator. G. P. Sosnovskaia. Sov. pedag. 27 no. 9;96-106 S '63.

LEPTOSPIROSIS

(see also subdivision under Rostov Province)

Experimental leptospirosis in some wild rodents [with summary in English]. V. N. Novikova, I. V. Furtova. Zool. zhur. 42 no. 10;1585-1588 '63.

LESKOV, ALEKSANDR VASIL'EVICH, 1906-1963

Aleksandr Vasil'evich Leskov; an obituary. Metallurg 8 no. 11,37 N '63.

LEUCOCYTES

Leukopoiesis in paradentosis. N. N. Potiakina. Teor. i prak. stom. no. 5;179-185 '61.

LEUCOPENIA

Stimulating effect of thesane and pentoxyl on the growth of transplantable tumors [with summary in English]. V. A. Chernichenko, N. M. Kralich. Vop. onk. 9 no. 7; 41-44 '63.

LEUKEMIA

Active therapy in chronic lympholeukemia. L. T. Kalugina. Vop. klin. pat. no. 2;232-235 '61.

Changes in the bone structure in certain children's diseases; 1st report on leukemia. G. B. Fomin. Vop. klin. pat. no. 2;236-243 '61.

Clinical characteristics of leukemia according to MONIKI data. L. T. Kalugina. Vop. klin. pat. no. 2;272-284 '61.

Comprehensive treatment of patients with acute leukemia (hemocytoblastosis). N. F. Skopichenko. Vrach. delo no. 11;123-125 N '63.

Conversion of erythremia into acute erythrohemocytoblastosis. V. IA. Shustov. Kaz. med. zhur. no. 5;75-76 S-O '63.

Diagnosis and clinical aspects of tumorlike forms of leukemia in children. L. A. Dedikova, IU. G. IUdin. Vop. klin. pat. no. 2;213-222 '61.

Functional state of the adrenal glands in hypoplastic and aplastic anemia and leukemias. G. A. Sitnikova, IA. I. Vygovskaia. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4;100-109 '60.

Morphological changes in the chorion-allantoid membrane of chick embryos in blood cultures from leukemia patients. O. I. Voronkova and others. Vop. klin. pat. no. 2;263-271 '61.

Roentgenological picture of leukemic changes in the lungs, pleura and thoracic lymph nodes in acute (subacute) leukemia [with summary in English]. O. A. TSukerman. Vest. rent. i rad. 38 no. 5;26-30 S-O '63.

Semenova-Tian-Shanskaia, V. V. [Acute leukemia and the nervous system] Ostryi leikoz i nervnaia sistema. Leningrad, Medgiz, 1963. 95 p. (DNLM)

Unique beginning of acute leukemia. N. A. Belov, V. K. Romanov. Vrach. delo no. 11;120-121 N '63.

LEUKOPLAKIA

Paravulvar diathermic denervation as a method of treatment of vulvar kraurosis and leukoplakia. E. L. Melamed. Kaz. med. zhur. no. 5;56-58 S-O '63.

LEVEL (SURVEYING INSTRUMENT)

Making allowance for systematic errors of self-reducing levels. L. N. Meshcherskii. Geod. i kart. no. 10;77 O '63.

LEVEL INDICATORS

Calculating magnetic circuit for the pickup of the ACV-1 level indicator. V. G. Bekhbudov. Za tekh. prog. 3 no. 7;4-6 Jl '63.

Study of the dynamics of an optimalizing network of an endovibration level meter and methodology for calculating its principal parameters [with summary in English]. V. A. Viktorov. Avtom. i telem. 24 no. 11; 1583-1588 N '63.

LEVELING

From the history of geometric leveling in Russia in the second half of the 19th century and the beginning of the 20th century. S. K. Nalbandian. Trudy MIIZ no. 10;23-28 '60.

Mechanical leveling of underwater stone beds. N. V. Krasov. Transp. stroi. 13 no. 9;27-30 S '63.

LEVELING—EQUIPMENT AND SUPPLIES

New improved leveling rods. N. Pleikin. Stil'. bud. 11 no. 1;20 Ja '62.

LEVOGLUCOSAN

Preparation of anhydrohexitol by hydrogenation of levoglucosan [with summary in English on p. 166]. G. S. Barysheva, N. A. Vasiunina, S. V. Chepige. Sbor. trud. NIIGS 11,94-101 '63.

LEVOMYCETIN

Adaptation of local strains of paratyphoid B and Bresler bacilli to levomycetin and streptomycin under different conditions of culture. E. G. Livkina, O. V. Gorokhova. Trudy Khab. med. inst. 23 no. 2;75-79 '62.

Quantitative potentiometric determination of synthomycin and levomycetin. S. Kh. Dzottsoti. Azerb. khim. zh. no. 3;99-107 '62.

LEVON, d. ca. 870

Life and activity of Levon, outstanding scientist and mathematician of the ninth century. G. D. Petrosian. Iz ist. est. i tekh. 1;7-20 '60.

LIABILITY (LAW)

Liability for foreseeable property loss in Soviet civil law. V. Rassudovskii. Sov. iust. no. 18;11-13 S '63.

Liability of foreigners for damage and hurt suffered by Soviet citizens. T. N. Kirillova. Izv. vys. ucheb. zav., prav. 7 no. 3 119-126 '63.

New legislative enactments. Sots. zakon. 40 no. 9;84-85 S '63.

Some theoretical problems of tort liability. IU. Kh. Kalmykov. Izv. vys. ucheb. zav.; prav. 7 no. 3;133-136 '63.

We should improve the examination of cases concerning the liability of workers and employees. A. Barabash. Rad. pravo no. 6;58-63 N-D '63.

LIBEL AND SLANDER

Letters and comments. Sov. iust. no. 20;30-31 O '63.

Responsibility for slander and insulting acts. A. Nikolaev. Sov. iust. no. 20;21-22 O '63.

LIBERTY

The path of humanity to freedom. R. I. Kosolapov. Vest. Mosk. un. Ser. 8;Ekon., filos. 18 no. 6;61-71 N-D '63.

LIBERTY OF CONSCIENCE

Shakhnovich, M. I. [Talks with believers about conscience] Besedy s veruiushchimi o sovesti. Leningrad, Ob-vo po rasprostraneniiu politicheskikh i nauchnykh znanii RSFSR, 1963. 56 p.

LIBRARIANS

Happiness serves the people. L. Ronin. V mire knig 3 no. 11;44 N '63.

Knights of the book. IU. IAkovlev. Bibliotekar' no. 11; 48 N '63.

Through the eyes of a worker. V. Tereshin. Bibliotekar' no. 11;52-56 N '63.

LIBRARIES

Brief news. Bibliotekar' no. 11;64 N '63.

Letters to the editor. Bibliotekar' no. 11;62-63 N '63.

LIBRARIES—INVENTORIES

Podozerskaia, G. F., and I. S. Smirnov. [Inventorying and revising library collections, practices of the Library of the Academy of Sciences of the U. S. S. R.] Inventarizatsiia i sverka bibliotechnykh fondov; iz opyta raboty Biblioteki AN SSSR. Leningrad, Izd-vo Biblioteki Akad. nauk SSSR, 1963. 90 p.

LIBRARIES AND READERS

(see also subdivision under Gorkiy Province; Uzbekistan)

Educate in the heroic spirit of the revolution and labor. Bibliotekar' no. 11;1-4 N '63.

In search of ways to the heart of youth. D. Korotkova. Bibliotekar' no. 11;13-15 N '63.

Interest in art is growing. K. Khekherina. Bibliotekar' no. 11;33-34 N '63.

LIBRARIES AND READERS (Continued)

Lesniak, Z. V., and K. A. Balashova. [Local-lore work in the Kirov District Library] Kraevedcheskaia rabota Kirovskoi raionnoi biblioteki [Kalinin] Kalininskoe knizhnoe izd-vo, 1962. 24 p.

The library of a party committee. Polit. samoobr. 7 no. 8:65-68 Ag '63.

More about "work with readers." I. Mokhov. Bibliotekar' no. 11:57-59 N '63.

Opening the doors of the university. E. Pukhova. Bibliotekar' no. 11:31-32 N '63.

They became atheists. N. Bazilevskaia. Bibliotekar' no. 11:35-37 N '63.

The young reader and his service list. V. Maliugin. Bibliotekar' no. 11 16-18 N '63.

LIBRARIES AND SCHOOLS

Participation of a science and technology library in an inter-plant school. L. V. Kurguznikova. Opyt rab. po tekh. inform. i prop. no. 1:35-36 '63.

LIBRARY CATALOGS

Klenov, A. V. [Library catalogs; a manual for library workers] Bibliotechnye katalogi; rukovodstvo dlia bibliotechnykh rabotnikov. Moskva, Izd-vo Vses. knizhnoi palaty, 1963. 350 p.

LIBRARY SCIENCE

Describing the advanced practices of libraries. A. Vanegas. Bibliotekar' no. 11:49-51 N '63.

LIBYA—DESCRIPTION AND TRAVEL

Plans for tomorrow and security today. IU. Malov. Az. i Afr. seg. no. 12:35-37 D '63.

LIBYA—ECONOMIC CONDITIONS

Plans for tomorrow and security today. IU. Malov. Az. i Afr. seg. no. 12:35-37 D '63.

LICHEN RUBER

Morphological changes in the mucous membrane of the oral cavity in lichen ruber planus. S. M. Bazarnova. Teor. i prak. stom. no. 5:83-85 '61.

LICHENS see subdivision under Armenia; Carpathian Mountains

LICHTENBERG FIGURES

New method for producing Lichtenberg figures on dielectric surfaces. P. F. Kramarenko Izv. vys. ucheb. zav., fiz. no. 3:131-135 '63.

LIE ALGEBRAS

Two remarks on Pl-algebras. V. N. Latyshev. Sib. mat. zhur. 4 no. 5:1120-1121 S-O '63.

LIFE—ORIGIN

The nature of life as related to its origin. I. I. Prezent. Nauch. dokl. vys. shkoly; filos. nauki 6 no. 5:116-123 '63.

Vologdin, A. G. [Earth and life, evolution of environment and life on earth] Zemlia i zhizn'; evoliutsiia sredy i zhizni na Zemle. Moskva, Izd-vo Akad. nauk SSSR, 1963. 172 p. (Nauchno-populiarnaia serila)

LIFESAVING AT FIRES

Urgent problem. T. Tarasova. Pozh. delo 9 no. 10:8-9 O '63.

LIGAMENTS

Histomechanical characteristics (strength, tensility, elasticity) of the ligaments of the knee joint in connection with their traumatic injuries. O. V. Nedrigailova. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:303-310 '59.

LIGATURE (SURGERY)

Arrest of atonic hemorrhage in three parturients by bilateral ligation of the uterine arteries. G. IA. Liberman, T. A. Serova. Akush. i gin. 39 no. 4:429-430 Jl-Ag '63.

LIGHT

Suvorov, S. G. [What does light tell us] O chem rasskazyvaet svet. Izd. 2., perer. i dop. Moskva, Voenizdat, 1963. 140 p. (Nauchno-populiarnaia biblioteka voennogo izdatel'stva)

LIGHT—PHYSIOLOGICAL EFFECT

Effect of temperature and light conditions on the productivity of hens in the Armenian S. S. R. R. A. Arutiunian. Izv. AN Arm. SSR, Biol. nauki 16 no. 10:23-28 O '63.

The length of the day as a factor determining delay of egg-laying in females of Dermacentor marginatus Sulz [with summary in English]. V. N. Belozerov. Med. paraz. i paraz. bol. 32 no. 5:621-626 S-O '63.

Quantitative analysis of the initial plethysmogram and vascular reflexes to light stimuli. V. V. Zubarev. Vrach. delo no. 11:48-51 N '63.

LIGHT—SCATTERING

Effect of the diffusion of light at the sublayer on the color characteristics of a screen image. S. D. Umanskii, D. P. Tatiev. Poligr. proizv. no. 11:13-14 N '63.

Effect of the width of a beam of light on the depth of its penetration into a scattering medium. A. P. Ivanov, S. A. Makarevich. Izv. AN SSSR, Ser. geofiz. no. 11: 1751-1757 N '63.

Optical characteristics of mercury lamps used in the study of scattered light I. A. Gorbatov. Prib. i tekh. eksp. 8 no. 5 217-218 S-O '63.

LIGHT—SPEED

Experimental verification of the postulate on the independence of the velocity of light from the motion of the emission source [with summary in English]. A. A. Efimov. Izv. GAO 23 no. 2 152-158 '63.

LIGHT, WAVE THEORY OF

Zone plate adapted for phase shifts for physical demonstrations. B. Sh. Perkal'skis, V. L. Lavin. Izv. vys. ucheb. zav., fiz. no. 3 188-189 '63

LIGHT FILTERS

Aids to beginners: Homemade light filter. Sov. foto 23 no. 11:39-40 N '63

LIGHTWEIGHT CONCRETE

Arched buildings made of slag concrete. V. Miroshnychenko. Sil'. bud. 12 no. 1:7-8 Ja '62.

Ivanov-Diatlov, I. G., ed. [Using claydite concrete in road and bridge construction] Primenenie keramzitobetona v dorozhno-mostovom stroitel'stve. [By] I. G. Ivanov-Diatlov i dr. Moskva, Avtotransizdat, 1963. 271 p.

[Production of light fillers and concretes based on them] Proizvodstvo legkikh zapolnitelei i betonov na ikh osnove. Minsk, Izd-vo MVSS i PO BSSR, 1963. 328 p.

LIGHTWEIGHT CONCRETE—ANALYSIS

Ponasiuzhenkov, IA. D. [Study of the properties of keramzit concrete] Issledovanie svoistv keramzitobetona. Moskva, Gosstroiizdat, 1963. 120 p. (Akademiia stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona. Nauchnye soobshcheniia, no. 13)

LIGNIN

Settling of alkali lignin with carbon dioxide under pressure. V. M. Nikitin and others. Bum. prom. 38 no. 11, 14-15 N '63.

LIGNITE

Forms in which germanium is associated with brown coals. T. G. Kornienko. Azerb. khim. zhur. no. 3:125-131 '62.

LIME—COSTS

Ways of lowering the cost of lime. N. P. Tabunshchikov, F. I. Strigunov. Khim. prom. no. 9:670-674 S '63.

LIMESTONE see subdivision under Pskov region, Vytegra District

LIMING OF SOILS

Effect of lime and organic-mineral mixtures in increasing the yield of corn. T. A. Ortikova. Dokl. TSKHIA no. 47:57-63 '59.

LINE GEOMETRY

Line geometry in three-dimensional Klein spaces. V. D. Tsetliakov. Dokl. AN SSSR 152 no. 5:1060-1070 O '63.

LINEAR DIFFERENTIAL EQUATIONS see Differential equations, Linear

LINEAR EQUATIONS

Accuracy of the solution of poorly conditioned systems of linear algebraic equations. N. Zaitseva, N. Larchenko. Trudy MIIZ no. 10:173-186 '60.

Use of the method of finite differences in solving Stefan's two-phase problem for a quasilinear equation. F. P. Vasil'ev, A. B. Uspenskii. Dokl. AN SSSR 152 no. 5: 1034-1037 O '63.

LINEAR PROGRAMMING

Algorithm for the optimization of production and the distribution of inhomogeneous products. B. S. Verkhovskii. Dokl. AN SSSR 152 no. 3:515-518 S '63.

Using linear programming methods for compiling the optimal fuel power balance. M. Albegov. Plan. khoz. 40 no. 12:43-48 D '63.

LINOLEUM—TESTING

Devices for determining adhesive strength. V. P. Diatlova, M. P. Pomanskaia, R. I. Akishina. Zav. lab. 29 no. 11:1375 '63.

LIOZNO DISTRICT—CRIME PREVENTION

Important form of crime prevention. E. Goman. Sots. zakon. 40 no. 11:35-36 N '63.

LIPASE

Changes in the activity of lipolytic enzymes in atherosclerosis [with summary in English]. F. L. Leites. Arkh. pat. 25 no. 6:27-33 '63.

LIPETSK PROVINCE—TEACHING

Experience of innovators is growing. I. Ponomarev. Nar. obr. no. 12:6-11 D '63.

LIPID METABOLISM

Effect of antidiabetic sulfanilamide preparations on fat and lipoid metabolism in diabetes mellitus. E. E. Trunchenkova. Klin. med. 41 no. 7:63-67 Jl '63.

Effect of corn oil on some indicators of lipoid and protein metabolism in atherosclerosis patients [with summary in English]. V. N. Kozlovskii. Klin. med. 40 no. 11: 112-115 N '62.

Fat and lipid metabolism in diabetes mellitus [with summary in English]. S. M. Leites. Probl. endok. i gorm. 9 no. 5 3-12 S-O '63.

Role of the adrenals and sympathetic nervous system in fat mobilization in stress states [with summary in English]. S. M. Leites, Chzhou Su [Chou Su]. Probl. endok. i gorm. 9 no. 5 30-35 S-O '63.

Significance of some indices of protein and lipid metabolism for the differential diagnosis of forms of coronary insufficiency [with summary in English]. A. N. Bilibov. Terap. arkh. 35 no. 5:21-27 My '63.

LIPIDOSIS

Osseous form of xanthomatosis and its treatment (Hand-Schüller-Christian disease). R. M. Kasparian. Zhur. eksp. i klin. med. 3 no. 4:77-80 '63.

LIPS—CANCER

Granular cheilitis and its role in the development of malignant degeneration. G. D. Savkina. Teor. i prak. stom. no. 5:89-94 '61.

LIPS—ULCERS

Mechanism of the formation and healing of trophic ulcers of neurogenic origin. V. A. Kuritsyna. Teor. i prak. stom. no. 5, 75-82 '61.

LIQUEFIED PETROLEUM GAS—STORAGE

Admissible extent of innage of bottles with liquefied hydrocarbons. S. M. Rips. Khim. prom. no. 8:610-613 Ag '63.

LIQUID CRYSTALS

X-ray study of the structure of liquid crystals with the aid of the distribution function. B. K. Vainshtein, I. G. Chistiakov. Dokl. AN SSSR 153 no. 2:326-329 N '63.

LIQUID FERTILIZERS AND MANURES

Advantages of using liquid ammonia in mechanized fertilizing of fields. M. A. Litvinov. Sbor. rab. GOSNITI no. 10:20-27 [161].

LIQUID FUELS

(see also subdivision under France)

Using liquid fuel as thermal source for grain dryers. Sbor. rab. GOSNITI no. 10:14-19 [161].

LIQUID METALS

Metal diffusion in iron-carbon melts. P. M. Shurygin, V. D. Shantarin. Izv. vys. ucheb. zav.; chern. met. 6 no. 10:5-11 '63.

Stabilizing the use of liquid metal by weight. M. M. Ivakhnenko. Lit. proizv. no. 10:17-19 O '63.

Viscosity of sodium-potassium heat carriers. V. B. Zenkevich, IU. I. Krokhin. Izv. vys. ucheb. zav.; energ. 6 no. 10:91-97 O '63.

LIQUID METALS—THERMAL PROPERTIES

Borishanskii, V. M., and others, eds. [Liquid metals] Zhidkie metally; sbornik statei. Moskva, Gosatomizdat, 1963. 326 p.

LIQUIDS

Ground experiments with weightless liquids. V. V. Shuleikin. Dokl. AN SSSR 152 no. 5:1083-1085 O '63.

LIQUIDS—THERMAL PROPERTIES

Using the method of nonstationary thermal conditions in determining the heat conductivity of liquids and gases at high pressures. IA. M. Neziev. Za tekh. prog. 3 no. 7:16-19 Jl '63.

LIQUIDS—THERMODYNAMICS

Vargaftik, N. B. [Manual on the thermophysical properties of gases and liquids] Spravochnik po teplofizicheskim svoistvam gazov i zhidkostei. Moskva, Fizmatgiz, 1963. 708 p.

LISNIANSKAIA, INNA

Severity. Al. Dymshits. Znamia 33 no. 7:223-224 Jl '63.

LITERARY JOURNEYS see subdivision under Soviet Far East

LITERATURE

(see also subdivision under Nigeria)

Page of short meetings. Smena 40 no. 13:14-15 Jl '63.

LITERATURE—BIBLIOGRAPHY see Bibliography—Literature

LITERATURE—EXAMINATIONS, QUESTIONS, ETC.

The novel and a discussion of its literary form. D. V. Zatons'kyi. Rad. lit. 7 no. 6:18-32 N-D '63.

LITERATURE—HISTORY AND CRITICISM

Philosophy of creation. L. Anisimov. Znamia 33 no. 11,193-202 N '63.

LITERATURE—HISTORY AND CRITICISM—BIBLIOGRAPHY see Bibliography—Literature—History and criticism

LITERATURE—PHILOSOPHY

Legacy of a poet and revolutionary. T. Motyleva. Kommunist 40 no. 16 123-127 N '63.

LITERATURE—TRANSLATIONS INTO UKRAINIAN

Zhuravel'ka, L. E. [Lesia Ukrainka and foreign literatures] Lesia Ukrainka ta zarubizhni literatury. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 229 p.

LITERATURE, COMPARATIVE

M. Kotsiubyns'kyi and world literature at the end of the 19th and beginning of the 20th century. L. D. Ivanov. Mizhslov. lit. vzaiem. no. 3.156-184 '63.

LITERATURE, COMPARATIVE—CZECH AND UKRAINIAN

Jiří Wolker in the Ukraine. Z. Henyk-Berezovs'ka. Mizhslov. lit.vzaiem. no. 3 185-198 '63.

LITERATURE, COMPARATIVE—RUSSIAN AND KAZAKH

Friendship of literatures is a friendship of languages. Z. Shashkin. Vop. lit. 7 no. 10 50-55 O '63.

LITERATURE, COMPARATIVE—RUSSIAN AND POLISH

Significance of Russian literature for the creative work of Julian Tuwim. IU. L. Bulakhovs'ka. Mizhslov. lit. vzaiem. no. 3 199-212 '63.

LITERATURE, COMPARATIVE—UKRAINIAN AND BULGARIAN

Ol'ha Kobylians'ka and Petko Todorov. N. O. Tomashuk. Mizhslov. lit. vzaiem. no. 3:93-107 '63.

LITERATURE, COMPARATIVE—UKRAINIAN AND CROATIAN

T. H. Shevchenko and S. S. Kranjčević on the popularization of T. H. Shevchenko's poetry in Yugoslavia during the 1860's and 1890's. I. P. IUshchuk. Mizhslov. lit. vzaiem. no. 3:37-65 '63.

LITERATURE, COMPARATIVE—UKRAINIAN AND SERBIAN

Janko Veselinović and Marko Vovchok. M. L. Bershadska. Mizhslov. lit. vzaiem. no. 3 66-77 '63.

LITERATURE, COMPARATIVE—WHITE RUSSIAN AND BULGARIAN

TSimashkova, L. IA. [White Russian-Bulgarian literary ties] Belaruska-Balgarskiia literaturnyia suviazi. Minsk, Vyd-va Akad. navuk BSSR, 1963. 48 p.

LITERATURE AND COMMUNISM see Communism and literature

LITERATURE AND SCIENCE

Art and happiness. M. Gus. Zvezda no. 5:187-194 My '62.

Hundred variations on a theme of an old tale (to be continued). Vladimir Orlov. Znamia 33 no. 11:166-192 N '63.

LITHIUM—ANALYSIS

Photometric determination of lithium with quinazolinazo, a new reagent [with summary in English]. V. M. Dziomko, S. L. Zelichenok, I. S. Markovich. Zhur. anal. khim. 18 no. 8:937-941 Ag '63.

LITHIUM ISOTOPES

Separation efficiency of complexes with respect to lithium isotopes [with summary in English]. D. A. Knyazev, E. V. Sklenskaia. Zhur. fiz. khim. 37 no. 9:2094-2099 S '63.

LITHIUM SILICATES

LITHUANIA—HISTORY—SOURCES

"Cadasters of the Lithuanian landed estates of the 17th century." Reviewed by V. V Dorosheńko. Ist. SSSR 7 no. 6 176-181 N-D '63.

LITHUANIA—INDUSTRIAL LAWS AND LEGISLATION

Why do they enact unlawful rules? B. Vorob'ev. Sots. zakon. 40 no. 9:52-53 S '63.

LITHUANIA—STATISTICS

Lithuanian S. S. R. Centrine statistikos valdyba. [National economy of the Lithuanian S S R in 1961, statistical abstract] Narodnoe khoziaistvo Litovskoi SSR v 1961 godu, statisticheskii sbornik. Vil'nius, Gosstatizdat, Litovskoe otd-nie, 1963 227 p.

LITHUANIA—TRANSPORTATION, AUTOMOTIVE

All transporting for construction should be done only by common transportation units G Kiževanskis. Avt. transp 41 no. 11 12 N '63.

LITHUANIAN LANGUAGE—BIBLIOGRAPHY see Bibliography—Lithuanian language

LITHUANIAN LITERATURE—HISTORY AND CRITICISM

[Friendship among nations in the Lithuanian and Russian literatures] Tautu draugyste lietuviu ir rusu literaturose, straipsniu rinkinys. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 307 p. [In Lithuanian]

LITUYA BAY—TIDAL WAVES

Giant waves in the Lituya Bay. S. Soloviov. Nauka i zhyttia 13 no. 10:51 N '63

LIVER—ABSCESS

Liver abscesses of amebic etiology. K. F. Vetlugina, A. V. Usmanova, T. A. Kol'iakova. Kaz. med. zhur. no. 5:68-70 S-O '63.

LIVER—DISEASES

Changes in liver and biliary function in chronic colitis. A IA Gubergrits. Kaz. med. zhur. no. 5 10-11 S-O '63.

Changes in the capillary bed of the liver in fetuses and newborn of white rats in asphyxia [with summary in English]. A. A. Cheremnykh. Arkh. pat. 25 no. 7:53-61 '63.

Changes in the liver during thyrotoxicosis IU L. Dozorets, A A Nikolaev. Zdrav Bel. 9 no 3 16-18 Mr '63

Clinical aspects, laboratory diagnosis and treatment of hepatitis resulting from chronic exposure to styrene. B. IA. Kats. Trudy Vor. med. inst. 47:76-79 '62.

Determination of 17-ketosteroids in the urine and the Thorn test in the treatment of liver diseases using hormonal preparations. A. Z. Davletkil'deeva. Kaz. med. zhur. no. 5:40-41 S-O '63.

Disorders of the antitoxic function of the liver in silicosis [with summary in English]. P. D. IAnev. Klin. med. 41 no. 7 33-36 Jl '63.

Lidskii, A. T. [Surgical diseases of the liver and the biliary tract system] Khirurgicheskie zabolevaniia pecheni i zhelchevyvodiashchei sistemy. Moskva, Medgiz, 1963. 495 p. (DNLM)

Massive hydrothorax as a complication of liver diseases. M. S. Shneider. Kaz. med. zhur. no. 5.66-68 S-O '63.

Mazurenko, G. I. [Treatment of patients with chronic diseases of the liver and bile ducts at the Truskavets Health Resort] Lechenie bol'nykh s khronicheskimi zabolevaniiami pecheni i zhelchnykh putei na kurorte Truskavets. [n. p.] Izd-vo L'vovskogo univ., 1963. 133 p. (DNLM)

Some problems concerning the etiology and clinical aspects of chronic hepatitis. IA M. Grinberg and others. [illegible]d. zhur. no. 5:8-10 S-O '63.

[illegible]ednisolone in chronic hepatitis and liver cirrhosis [with summary in English]. L. A. Zherebtsov. [illegible]ed. 40 no. 11:98-103 N '62.

[illegible]LYCOGENIC FUNCTION

[illegible] fraction metabolism in the brain and liver of various ages [with summary in English]. N. I. [illegible]aia. Vest. LGU 18 no. 21:57-64 '63.

[illegible]YDATIDS

[illegible]onchial fistulae as a complication of hepatic [illegible]occosis. A. V. Ovchinnikov. Kaz. med. zhur. [illegible]-72 S-O '63.

[illegible]ADIOGRAPHY

[illegible]ogy of x-ray examination of the hepato-pancreatic [illegible]l zone using a blocking duodenal sound [with [illegible]y in English]. B. G. Shusterov. Vest. rent. i [illegible] no. 5:50-54 S-O '63.

[illegible]URGERY

[illegible]ble time for the exclusion of the liver from [illegible]rculation and the effect of the extent of the [illegible]n on its function. S. Borovkov, N. Zhdan. Latv. SSR no. 9.103-110 '63.

[illegible]OUNDS AND INJURIES

[illegible]juries of the liver. A. V. Il'iashenko, A. A. [illegible] Vrach. delo no. 11:134-135 N '63.

Lesions of the liver G M. Dunaevskii Zdrav Bel 9 no 3 77-78 Mr '63

LIVER FUNCTION TESTS

Disorders of the antitoxic function of the liver in silicosis [with summary in English]. P. D. IAnev. Klin. med. 41 no. 7 33-36 Jl '63.

LOACHES

Informational ribonucleic acid at early stages of the development of the embryos of the loach (Misgurnus fossilis). N. V. Belitsina and others. Dokl. AN SSSR 153 no. 2:464-467 N '63.

LOAD LINE

Toward a revision of the international agreement concerning load marks. A Morozova. Mor. flot 23 no. 11 22-25 N '63.

LOADING AND UNLOADING

D-543 universal single-bucket frontal loader. B. S. Kasinov, V. D. Kokin, V. F. Mikhailov. Stroi. i dor. mash. 8 no. 11, 1-6 N '63.

Universal agricultural loader. I. Fedoseev. Tekhn. sel'khoz. 23 no. 9.55-56 S '63.

What is the advantage of unloading raw sugar transported in bulk? S. Gel'fond. Mor. flot 23 no. 11:15-16 N '63.

LOADING AND UNLOADING—COSTS

Methods of determining the cost of loading and unloading operations. E. Tikhomirova. Rech. transp. 22 no. 10:19-20 O '63.

LOADING AND UNLOADING—EQUIPMENT AND SUPPLIES

Mechanization of the unloading of cottonseed from trucks B. E Rakhman Masl.-zhir. prom. 28 no 10 37 11 O '62.

Review of the book "Power loaders of loose and lump materials." A. O. Spivakovskii, N. V. Tikhonov. Mekh. i avtom. proizv. 17 no. 10.57 O '63.

Ridel', E. I., and I. V. Shtefko. [Over-all mechanization and automation of loading and unloading operations with packaged piece goods] Kompleksnaia mekhanizatsiia i avtomatizatsiia pogruzochno-razgruzochnykh rabot s tarno-shtuchnymi gruzami. Moskva, Manhgiz, 1963 205 p.

LOADING AND UNLOADING—SAFETY MEASURES

Ardaev, V. B. [Safety manual for loaders on construction sites] Pamiatka po tekhnike bezopasnosti dlia gruzchika na stroitel'stve. Moskva, Gosstroiizdat, 1963. 23 p.

LOCAL ANESTHESIA

Association of local anesthesia with neuroplegic, ganglionic blocking, and antishock agents. G. M. Shalimov. Kaz. med. zhur. no. 5:72-73 S-O '63.

Clinicopharmacological evaluation of andaxin premedication in surgical interventions under local anesthesia. V. V. Bol'shagin, M. P. Vikhrieva. Khirurgiia 40 no. 7 86-93 Jl '63.

Intraosseous anesthesia in injuries of the extremities. IU. G. Abramov. Ortop., travm. i protez. 24 no. 5 51-52 Je '63.

LOCAL GOVERNMENT see subdivision under Tyumen' Province

LOCAL HISTORY

We should write the history of Soviet rural areas. P. V. Chermenskii. Ist. SSSR 7 no. 6:216 N-D '63.

LOCAL TRANSIT—ABSTRACTS

[Automotive and city transportation] Ref. zhur.: Avt. i gor. transp. no. 11 N '63. Predmetnyi ukazatel' za 1962 g.

LOCATION OF INDUSTRIES see Industries, Location of

LOCKS (HYDRAULIC ENGINEERING)

An a. c. servo drive for closing a navigation lock. IU. A. Sabinin, O. V. Popov. Izv. vys. ucheb. zav.: elektromekh. 6 no. 9:1098-1107 '63.

Conditions for the strength of navigation lock parapets. D. Mezhnov. Rech. transp. 22 no. 11:42-44 N '63.

Leakage of small rivers with the use of flexible dams. M. Kolosov. Rech. transp. 22 no. 10:45 O '63.

Operational quality of mechanisms on two-fold lock gates. V. Bocharov. Rech. transp. 22 no. 10:42-43 O '63.

LOCOMOTION, DISORDERED

Center of gravity in a normal human body and in some disorders of the locomotor apparatus. G. S. Kozyrev. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 42-58 '59.

Hypokinesia as a factor in the pathology of internal organs. M. P. Mogendovich. Eksp. issl. po fiziol., biokhim. i farm. no. 3:9-26 '61.

LOCOMOTIVE ENGINEERS

Those who march at the forefront. A. Ufdanov. Part. zhizn' [Uzb.] 5 no. 10.70-74 O '62.

LOCOMOTIVE WORKS—HYGIENIC ASPECTS see subdivision under Kolomna

LOCOMOTIVES

Mamchenko, V. P., and IU. A. Riazantseva. [Operation of locomotives] Ekspluatatsiia lokomotivov. Moskva, Transzheldorizdat, 1963. 415 p. diagrs. insert.

LOCOMOTIVES—FUEL CONSUMPTION

L'vov, L. A., and V. D. Pazukhin. [Fuel economy on steam locomotives, practice of locomotive engineer D. I. Chvyrin's brigade at the Buy Depot, Northern Railroad] Ekonomiia topliva na parovozakh; opyt brigady mashinista depo Bui Severnoi dorogi D. I. Chvyrina. Moskva, Transzheldorizdat, 1963 25 p.

LOCOMOTIVES—HANDBOOKS, MANUALS, ETC.

Russia (1923- U. S. S. R.) Ministerstvo putei soobshcheniia. [Manual for the locomotive engineer] Rukovodstvo parovoznomu mashinistu. Izd. 2., ispr. i dop. Pod obshchei red. V. S. Mollarchuka. Moskva, Transzheldorizdat, 1963. 369 p.

LOCOMOTIVES—MAINTENANCE AND REPAIR

Russia (1923- U. S. S. R.) Ministerstvo putei soobshcheniia. [Regulations for the maintenance and repair of locomotives in depots. Superseding the regulations on the current repair, maintenance and servicing of locomotives approved by the Ministry of Railroad Transportation on March 8, 1957] Pravila depovskogo remonta i soderzhaniia parovozov. V otmenu Pravil tekushchego remonta, ukhoda i soderzhaniia parovozov, utverzhdennykh MPS 8/III 1957. Moskva, Transzheldorizdat, 1963. 311 p.

LOCOMOTIVES—TESTING

Calculating the average power of a locomotive during its testing. P. A. Gurskii. Vest. TSNII MPS 22 no. 7:14-15 '63.

"Method of asymptomatic integration of the systems of nonlinear differential equations describing the motion of locomotives," T. A. Tibilov. [Sbor. trud.] RIIZHT no. 32:117-138 '61.

LOESS

(see also subdivision under Minsk Province)

L. S. Berg and the problem of loess origin. S. A. Kostromin. Izv. Kir. fil. Geog. ob-va SSSR no. 4:45-49 '63.

LOGARITHMS—TABLES, ETC

Vega, G. [Tables of seven-place logarithms] Tablitsy semizrachnykh logarifmov. Moskva, Gosgeoltekhizdat, 1963. 559 p.

LOGIC, SYMBOLIC AND MATHEMATICAL

Two geometrical interpretations of systems of equations in algebra of logic and the states of their physical analogs. M. IA. Eingorin. Izv. vys. ucheb. zav.; radiofiz. 6 no. 5:1071-1075 '63.

LOGIC, SYMBOLIC AND MATHEMATICAL—ELECTRO-MECHANICAL ANALOGIES

Synthesis of discrete controlling devices on the basis of systems of equations of algebra of logic with delayed arguments [with summary in English]. M. IA. Eingorin. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4:810-832 '63.

LOMONOSOV, MIKHAIL VASIL'EVICH, 1711-1765

Mikhail Lomonosov, one of history's greatest geniuses. B. I. Stepanov. Zhen. mira no. 12:20-21 '61.

LONDON—EXHIBITIONS

International exhibition of welding equipment in London. L. I. Sushchuk-Siusarenko, V. S. Vasiuchkov. Avtom. svar. 16 no. 10:90-96 O '63.

LONGARONE, ITALY—FLOODS

What caused the disaster of Longarone. Anatolii Krasikov. Ogonek 41 no. 43:30 O '63.

LONGEVITY see subdivision under Siberia; Soviet Far East

LONGSHOREMEN see subdivision under Nagayevo

LOOMS

Kokorev, V. A., and IU. V. Kurenkov. [Structural dimensional diagrams for looms] Konstruktivnye razmernye riady tkatskikh stankov. Moskva, 1963. 106 p. (Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. Seriia III: Novye mashiny, oborudovanie i sredstva avtomatizatsii, no. 67)

LOPATIN, GERMAN ALEKSANDROVICH, 1845-1918

Life in struggle. A. Shanigin. Volog. kraiino. 3:251-252 '62.

LOUDSPEAKERS

System for measuring amplitude and phase oscillations at different points in a diffuser. A. N. Mikikechko, V. D. IAstrzhembskii. Izv. vys. ucheb. zav., radiotekh. 6 no. 5:564-566 S-O '63.

LOW TEMPERATURE RESEARCH

Transducer for a nuclear quadrupole resonance spectrometer in the 150-320 mc range for low-temperature measurements. D. F. Baisa, S. M. Riabchenko. Prib. i tekh. eksp. 8 no. 4:107-190 Jl-Ag '63.

LOWER TUNGUSKA VALLEY—IGNIMBRITE

Stratigraphy of the ignimbrite formation in the Kureyka and Lower Tunguska interfluve. L. M. Gerasimov. Inform. sbor. NIIGA no. 31:5-11 '62.

LOWER VOLGA ECONOMIC REGION—MACHINE ACCOUNTING

Machine accounting for consolidated work in the Lower Volga Economic Council. A. Zuikin. Bukhg. uchet 20 no. 10:9-12 O '63.

LOYMOLA—PENSIONS

One committee for three enterprises. S. Bystrov. Sots. obesp. 24 no. 9:20 S '63.

LUBRICATION AND LUBRICANTS

Efficient lubricating methods for plane-parallel end gauge blocks V. N. Artamonov. Izm tekh no. 12, 15, D '63

Georgiev, I. G., and D. V. Zharkovskii. [Fuel, lubricants, and water] Toplivo, smazochnye materialy i voda, uchebnoe posobie. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 234 p.

Livanov, A. P., IU. A. Pospelov, and A. V. Sofronov. [Organization of fuel and lubrication service at logging camps] Organizatsiia goriuche-smazochnogo khoziaistva v lespromkhozakh. Moskva, Goslesbumizdat, 1963. 199 p.

A problem on the hydrodynamic theory of lubrication. M. E. Podol'skii. Trudy LKI. no. 36:63-74 '62.

LUBRICATION AND LUBRICANTS—ADDITIVES

Solubilization of the contamination products of motor oils by the cleaning action of metal sulfonates. S. E. Krein, A. B. Vipper, IU. N. Shekhter. Khim. i tekh. topl. i masel 8 no. 11:52-57 N '63.

Useful book. Khim. i tekh. topl. i masel 8 no. 11:67-68 N '63.

LUBRICATION AND LUBRICANTS—SPECTRA

Spectral analysis of lubricating and combustible materials (survey). E. V. Il'ina. Zav. lab. 29 no. 11:1317-1321 '63.

LUGA—COMMUNITY AND SCHOOL

Friends of our schools. N. Alekseenko. Nar. obr. no. 9: 10-11 S '63.

LUGANSK PROVINCE—RADIOTELEPHONE

Attention! This is Lugansk. B. Sosnovs'kyi. Ukraina no. 12, 24-25 Je '62.

LUGANSK PROVINCE—TEACHERS, TRAINING OF

Contact between a pedagogical institute and schools. Sov. pedag. 27 no. 9:155-156 S '63.

LUGANSK REGION—FOREST MANAGEMENT

Mechanized improvement cutting in young stands. I. A. Guba. Les. khoz. 16 no. 9:71-72 S '63.

LUK'IANOVYCH, DENYS IAKOVYCH, 1873-

The 90th birthday of a scholar and writer. V. G. Latans'kyi. Rad. lit. 7 no. 6:149-150 N-D '63.

LUKONIN, MIKHAIL KUZ'MICH, 1918-

Oath of a poet. L. Efremova. Sov. voin 45 no. 12:31 Je '63.

LUMBER—DRYING

Investigating the correlation between the thickness of layers and the width of interspaces in air drying of lumber. S. N. Gorshin, B. N. Ugolev. Nauch. trudy TSNIIMOD no. 12:46-61 '62.

Kuz'min, V. V., and A. V. Gerasimov. [Automatic devices in woodworking combines] Avtomaticheskie ustroistva na derevoobdelochnykh kombinatakh. Leningrad, Gosstroiizdat, 1963. 59 p.

Sokolov, P. V., and E. A. Shornikov. [Centralized control and automatic regulation of conditions in lumber drying kilns] TSentralizovannyi kontrol' i avtomaticheskoe regulirovanie rezhimov v lesosushil'nykh kamerakh. Leningrad.

No. 1. 1963. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Derevoobrabatyvaiushchaia promyshlennost', no. 5)

Studying the factors regulating the air drying of lumber. S. N. Gorshin. Nauch. trudy TSNIIMOD no. 12:3-45 '62.

LUMBER—TRANSPORTATION

Relation between capacity, stability, and the amount of water ballast in the transportation of deck-loaded lumber. L. G. Sokolov. Sudostroenie 29 no. 11, 10-12 N '63.

Some problems in the bundling and tying up of lumber. V. S. Petrovskii. Trudy STI no. 32:91-96 '62.

Studying the process of forming the bundles of full-length logs with controlled grabbing. G. A. Degermendzhi, N. Dzinters. Trudy STI no. 32:128-136 '62.

LUMBER TRADE—TABLES AND READY-RECKONERS

Anuchin, N. P. [Grade and commodity tables for pine, spruce, larch, Siberian pine, fir, birch, aspen, oak, and Carpathian beech] Sortimentnye i tovarnye tablitsy dlia sosny, eli, listvennitsy, kedra, pikhty, berezy, osiny, duba i buka karpatskogo. Izd. 5., perer. i dop. Moskva, Goslesbumizdat, 1963. 466 p.

LUMBERING

For the rational use of our forest resources. G. Taraskevich. Kommunist 40 no. 16:85-89 N '63.

Studying the efficient and "blind" sawing of full-length conifer logs. V. S. Petrovskii. Trudy STI no. 32:59-80 '62.

LUMBERING—EQUIPMENT AND SUPPLIES

Automated line of the Siberian Technological Institute for primary processing of untopped trunks at the landings of lumbering enterprises. A. I. Larionov and others. Trudy STI no. 32:27-33 '62.

Form of the curve of the tooth of mechanical slash pickers operating on the principle of hay rakes. N. I. Pustovalov. Trudy STI no. 32:40-49 '62.

Work of the grabbing parts of mechanical slash pickers operating on the principle of hay rakes. N. I. Pustovalov. Trudy STI no. 32 34-39 '62

LUMBERING—LABOR PRODUCTIVITY

(see also subdivision under Olenino, Kalinin Province)

Expenditure of time in forming bundles of timber in a forest. G. N. Petrusha. Trudy STI no. 32 50-58 '62.

LUMBERING—MACHINERY

Malyshko, A. K. [Tractor comes to the felling area] Traktor vykhodit na lesoseku. Minsk, Gosizdat BSSR, 1963. 30 p. (Bibliotechka novatora) (DNAL)

New equipment for lumbering. S. I. Karavashkin. Mekh. i avtom. proizv. 17 no. 10, 26-29 O '63.

Shmidt, V. V. [Recent developments are introduced into the cutting area] Novoe prikhodit v lesoseku [Perm'] Permskoe knizhnoe izd-vo, 1963. 105 p. (DNAL)

Some methodological problems in the study of lumbering machines. L. M. Kopelevich. Trudy STI no. 32 105-119 '62.

LUMBERYARDS—FIRES AND FIRE PREVENTION

(see also subdivision under Archangel)

Use of tanks in fire extinction. D. Kulikov, V. Ermakov. Pozh. delo 9 no. 10:18-19 O '63.

LUMINESCENCE

Chemiluminescence in slow chemical reactions. Part 3: Chemiluminescent method used for studying the kinetics of hydroperoxide accumulation in the reaction of catalyzed oxidation of ethylbenzene. I. V. Zakharov, V. IA. Shliapintokh. Kin. i kat. 4 no. 5:708-712 S-O '63.

Chemiluminescent method for determining the inhibitors of free radical reactions [with summary in English]. O. N. Karpukhin and others. Zhur. anal. khim. 18 no. 8:1021-1025 Ag '63.

Determination of small quantities of phenols by the chemiluminescent method [with summary in English]. A. A. Ponomarenko, L. M. Amelina. Zhur. anal. khim. 18 no. 10:1244-1249 O '63.

Effect of the density of dislocations on the brightness of luminescent crystals. L. N. Aleksandrov. Izv. vys. ucheb. zav., fiz. no. 5:166-170 '63.

Flashlike rise of luminescence. Part 4. A. I. Ryskin, N. A. Tolstoi, G. I. Khil'ko. Opt. i spektr. 15 no. 5 659-666 N '63.

Improvement of the method of luminescent defectoscopy. A. S. Borovikov. Zav. lab. 29 no. 10:1200-1202 '63.

New luminescent catalytic reaction for determining copper [with summary in English]. S. U. Kreingol'd, E. A. Bozhevol'nov. Zhur. anal. khim. 18 no. 8:942-949 Ag '63.

Quantitative microdetermination of carboxyl groups in cellulosic materials by the luminescent method [with summary in English]. I. N. Ermolenko, G. N. Chikova. Zhur. anal. khim. 18 no. 8:994-998 Ag '63.

Relation between electroluminescence and thermoluminescence. V. V. Nuvar'eva, P. E. Ramazanov. Izv. vys. ucheb. zav.; fiz. no. 3:116-118 '63.

LUMINESCENCE—MEASUREMENT

Measuring the absolute yield of luminophors. M. I. Epshtein, L. E. Sviatova. Prib. i tekh. eksp. 8 no. 5: 186-189 S-O '63.

LUMINESCENT SUBSTANCES

Ultra-taumeter with a pulse tube. N. A. Tolstoi, A. M. Tkachuk. Opt. i spektr. 15 no. 5, 698-704 N '63.

LUNGS—CANCER

Experience in aspiration bronchography in the diagnosis of central lung cancer. B. K. Sharov. Vest. rent. i rad. 38 no. 5:64-65 S-O '63.

Role of fluoroscopic examination in the determination of lung cancer in textile workers of the Orekhovo-Zuyevo Cotton Combine. E. I. Nikiforova. Vop. klin. pat. no. 2: 187-200 '61.

LUNGS—COLLAPSE

Methodology of autopsy to examine the lungs for the differentiation of various forms of atelectasis [with summary in English]. D. S. Sarkisov, L. D. Krymskii. Arkh. pat. 25 no. 7:84-85 '63.

Use of gas anesthesia in the analgesic stage for the treatment of massive postoperative pulmonary atelectasis. V. IA. Pikaleva, G. L. Kotomina. Khirurgiia 39 no. 7:82-85 Jl '63.

LUNGS—DISEASES

Antibiotic therapy in infectious bacterial pulmonary processes in poliomyelitis with respiratory disorders [with summary in English]. V. P. Doroshchuk. Antibiotiki 7 no.10,931-935 O '62.

Changes in the lungs probably caused by trichophytosis. I. Peshev, V. Balabanov. Vest. rent. i rad. 38 no.5 66-69 S-O '63.

Changes in the perisdontium during chronic suppurative processes in the lungs. N. N. Garazha. Teor i prak. stom. no.5:193-197 '61.

Comparative diagnostic value of small three-film fluorography and roentgenoscopy for the detection of pathological changes in the lungs [with summary in English]. F. F. Telichko. Vest. rent. i rad. 38 no.5 37-40 S-O '63.

Hazards and complications in special examination of lung diseases [with summary in English]. O. S. Shkrob, V. S. Pomelov. Khirurgiia 39 no.7,106-112 Jl '63.

Medical gymnastics for patients suffering from lung diseases and treated by surgery. A. A. Khrustalev. Med. sestra 22 no.10 32-36 O '63.

Pulmonary resection in tuberculosis [with summary in French]. R. N. Viukova, B. A. Polianskii, D. P. Metelkin. Probl. tub. 40 no.6 38-42 '62.

Significance of double examination of lung fluorograms [with summary in English]. K. A. Zhidkhanov, G. B. Maksudov. Vest. rent. i rad. 38 no.5 33-36 S-O '63.

LUNGS—DUST DISEASES
(see also subdivision under Chita Province)

Change in the functional state of the respiratory organs in workers exposed to fibrosing dust. N. P. Savenko. Trudy Ver. med. inst. 47:94-96 '62.

Changes in the protein fractions of the blood and histamine under the effect of amorphous and crystalline silicon dioxide, experimental research [with summary in English]. I. A. Gel'fon, V. I. Fedorova. Arkh. pat. 25 no.6 45-52 '63.

Clinical aspects of pneumosclerosis of mixed etiology (beryllosis and silicosis) [with summary in English]. E. P. Krapukhina, T. A. Kochetkova, A. A. Orlova. Gig. truda i prof. zab. 7 no.1 41-44 Ja '63.

Clinicoroentgenological characteristics of anthracosis in persons working in soft coal mines [with summary in English]. D. I. Murzenko, M. A. Bass. Vest. rent. i rad. 38 no.5 31-33 S-O '63.

Disorders of the antitoxic function of the liver in silicosis [with summary in English]. P. D. IAnev. Klin. med. 41 no.7:33-36 Jl '63.

Pneumoconioses in electric welders. L. A. Zankovich, A. I. Kats. Zdrav Bel. 9 no.3,43-44 Mr '63

Some results and problems of silicosis control in the Siberian mining industry. P. T. Prikhod'ko. Vop. bor'. s sil. v Sib. no.1:5-13 '61.

Study of silicosis danger from mine dust in the Kuznetsk Basin. Kh. A. Baev. Vop. bor'. s sil. v Sib. no.1:39-44 '61.

Trends in the study of silicosis danger from the Kuznetsk Basin rocks. E. M. Senderzon. Vop. bor'. s sil. v Sib. no.1:15-18 '61.

LUNGS—DUST DISEASES—BIBLIOGRAPHY see Bibliography—Lungs—Dust diseases

LUNGS—RADIOGRAPHY

Angiopulmonography in the diagnosis of the middle lobe syndrome [with summary in English]. A. G. Kochetkova. Khirurgiia 39 no.7:115-120 Jl '63.

Role of the X-ray examination in the diagnosis of acute pneumonia in children under one year of age [with summary in English]. L. A. Shvab. Vest. rent. i rad. 38 no.5:13-18 S-O '63.

Significance of thoracic tomography with a lateral projection in tuberculosis [with summary in English]. A. V. Aleksandrova. Vest. rent. i rad. 38 no.5:19-21 S-O '63.

LUNGS—SURGERY

Course of the postoperative period following pulmonary resection in tuberculosis depending on the condition of the bronchial tree before the operation [with summary in French]. IU. M. Guzeev. Probl. tub. 40 no.6:52-55 '62.

Intrathoracic interventions in primary tuberculosis in children and adolescents [with summary in French]. M. L. Shulutko, G. A. Panfilova. Probl. tub. 40 no.6: 31-35 '62.

Limitations of chemotherapy in pulmonary tuberculosis and indications for surgical treatment [with summary in French]. N. A. Shmelev. Probl. tub. 40 no.6:23-28 '62.

Medical gymnastics for patients suffering from lung diseases and treated by surgery. A. A. Khrustalev. Med. sestra 22 no.10:32-36 O '63.

Modern anesthesia for pulmonary surgery in tuberculosis [with summary in French]. E. M. Lebedev, IU. N. Zhilin. Probl. tub. 40 no.6:55-62 '62.

Place of collapse surgery in the treatment of pulmonary tuberculosis [with summary in French]. T. N. Khrushchova. Probl. tub. 40 no.6:28-31 '62.

Pulmonary resection in children and adolescents in tuberculosis and means for the improvement of its effectiveness. I. M. Slepukha. Probl. tub. 40 no.6 35-38 '62.

Role of pneumoperitoneum in surgery of pulmonary tuberculosis. G. G. Abashidze, O. A. Dzhikiia. Probl. tub. 40 no.6 99-100 '62.

Selection of an anesthetic method in pulmonary resection in tuberculosis [with summary in French]. L. G. Marchenko. Probl. tub. 40 no.6 63-68 '62.

Surgical treatment in pulmonary tuberculosis caused by Mycobacterium tuberculosis resistant to antibacterial preparations [with summary in French]. Z. F. Kalandadze, I. P. Kopeiko, P. A. Semenkin. Probl. tub. 40 no.6:48-51 '62.

Use of the new plasma substituting solution Polyvinal in pulmonary surgery [with summary in French]. V. M. Tavrovskii, N. V. Shestakov. Probl. tub. 40 no.6 68-71 '62.

LUPINE

Some characteristics of the formation and accumulation of chlorophyll in the leaves of lupine. V. E. Shevchuk. Izv. ISKHI no.14:100-106 '59.

LUPUS ERYTHEMATOSUS

Hospital outpatient service for patients with lupus erythematosus and psoriasis. E. D. Gatkin, I. V. Liubkin, N. A. Nikonova. Vest. derm. i ven. 37 no.7:67-69 Jl '63.

Hyaluronidase therapy of chronic lupus erythematosus. E. S. Pevzner. Zdrav Bel. 9 no.3 51-52 Mr '63

LVOV—CLOTHING INDUSTRY

"Maiak" Firm is a Lvov industrial combine. V. IA. Kamenetskii. Shvein. prom. no.5,7-14 S-O '63.

LVOV—MEDICAL SOCIETIES

Results and perspectives of the activity of the Lvov Scientific Historicomedical Society. I. IA. Shapiro. Sov. zdrav. 22 no.7:95-96 '63.

LVOV—MOTORBUSES

Ukrainian automobiles. I. O. Sandalov. Ukraina no.17: 9-10 S '62.

LVOV—RADIO OPERATORS

Radio operators of Lvov are making the preparations. L. TSyganova. Radio no.11:18 N '63.

LVOV PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Our fresh reinforcements. D. Zamlians'kyi. Komm. Ukr. 38 no.11:48-53 N '62.

LVOV PROVINCE—INDUSTRIAL ORGANIZATION

Practice of first Soviet firms. M. Alekseenko. Nauch. dokl. vys. shkoly, ekon. nauki 6 no.6,74-78 '63.

LVOV PROVINCE—MACHINE ACCOUNTING

Over-all mechanization of administrative work. I. Kozak. Bukhg. uchet 20 no.11:64-66 N '63.

LVOV PROVINCE—PHYSICAL FITNESS

Level of physical development and trainability in school children in Lvov and Lvov Province. A. Z. Kamaletdinov, A. F. Vavreniuk. Probl. fiz. sporta no.2:270-278 '61.

LVOV PROVINCE—RHEUMATIC FEVER

Organization of rheumatic fever control in Lvov Province. R. IA. Manasiyrskii and others. Klin. med. 40 no.11: 89-93 '62.

LVOV-VOLYN' BASIN—COAL MINES AND MINING—HYGIENIC ASPECTS

Hygienic evaluation of noise in subterranean work in the coal mines of the Lvov-Volyn' Basin and its influence on the hearing of the workers [with summary in English]. N. N. Pokrovskii. Gig. truda i prof. zab. 7 no.1:14-18 Ja '63.

LVOV-VOLYN' BASIN—WAGES—COAL MINES AND MINING

Improve the organization of work and wages. I. Diadyk. Sots. trud 8 no.10:35-39 O '63.

LYAPIN VALLEY (TYUMEN' PROVINCE)—GEOLOGY, STRATIGRAPHIC

Stratigraphy of ancient metamorphic formations in the Lyapin region in the light of new data. M. S. Bel'skii. Inform. sbor. NIIGA no.31:25-38 '62.

LYMPHATICS

Once more on the detection of non-syphilitic spirochetes in regional lymph nodes. I. I. Il'in, A. N. Baranova, L. I. Borisova. Vest. derm. i ven. 37 no.7:78-79 Jl '63.

Some characteristics of the blood supply of the solitary lymph follicles of the large intestine in man. M. I. Urmanov. Trudy Khab. med. inst. 23 no.2:31-33 '62.

Specific biosynthesis of antibodies induced by ribonucleic acid from the lymphatic nodes and spleen of immune rabbits. B. B. Fuks and others. Dokl. AN SSSR 153 no.2:485-488 N '63.

LYMPHATICS—CANCER

Regional metastatic spreading of cancer of the cervix uteri [with summary in English]. V. N. Kiseleva. Akush. i gin. 39 no.4:41-46 Jl-Ag '63.

LYMPHATICS—DISEASES

Antimicrobial action of penicillin and colimycin in infected lymph nodes in white rats [with summary in English]. V. N. Solov'ev, I. R. Balyn'. Antibiotiki 7 no.10 921-925 O '62

Morphological changes in the lymphatic nodes under the influence of a constant source of ionizing radiation (P-32) on the organism, a preliminary report. D. V. Ignatov, A. G. Petrenko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no.15:355-358 '59.

Reactivity of lymph nodes in cancer of the cervix uteri [with summary in English]. A. V. Khokhlov. Akush. i gin. 39 no.4,38-41 Jl-Ag '63.

LYN'KOU, MIKHAS', 1899-

Bountiful talent. P. Dziubaila. Belarus' 20 no.10:28 O '63.

LYOPHILIZATION

Some problems in the theory and practice of bone homoplasty [with summary in English]. I. L. Krupko, S. S. Tkachenko. Vest. khir. 90 no.6:74-80 Je '63.

LYRIC POETRY

Peep, Harald. [Remarks on lyric poetry] Luurikast. Tallinn, Eesti Riiklik Kirjastus, 1963. 57 p. (Kultuuriulikool) [In Estonian]

LYSENKO, MYKOLA VITALIIOVICH, 1842-1912

Arkhimovych, L. B., and M. M. Hordiichuk. [Mykola Vitaliiovych Lysenko, life and works] Mykola Vitaliiovych Lysenko, zhyttia i tvorchist', 2., vypravlene i dopovnene vydannia. Kyiv, Derzh. vyd-vo URSR "Mystetstvo," 1963. 353 p.

LYUBERTSY DISTRICT—WIT AND HUMOR

Satirical gun. V. Razumovskii. Komsom. zhizn' no.18: 8 S '63.

MACEDONIAN LANGUAGE—GRAMMAR

Present tense of verbs of the perfective aspect in literary Macedonian. R. P. Usikova. Slav. filol. [Mosk. un.] no.4 64-77 '63.

MACHINE ACCOUNTING
(see also subdivision under Lower Volga Economic region, Lvov Province; Rostov Province)

A branch machine accounting center is one of the most efficient forms of machine accounting. V. Sil'chenko. Bukhg. uchet 20 no.10:6-8 O '63.

First experience in the mechanization of accounting. K. Abdukarimova. Obshchestv. pit. no.6,48-52 Ag '63.

For a wider use of machinery in the accounting for carrying out the budget. E. Dedkov. Bukhg. uchet. 20 no.10,1-4 O '63.

Harassments of accounting machine operators. N. G. Dubovitskii. Uchet i fin. v kolkhoz. i sovkhoz. 20 no.10 40 O '63.

Ivanov, IU. V., and N. I. Shchedrin. [Organization of machine accounting] Organizatsiia mekhanizirovannogo ucheta. Pod red. V. I. Isakova. Moskva, Gosstatizdat, 1963. 330 p

Let's train the machine accounting specialists. IA. Sokolov. Sov. torg. 37 no.11:44-45 N '63.

Machine accounting for expenditures in printing production. E. Kalashnikova. Bukhg. uchet 20 no.10:12-20 O '63.

Machine accounting for the exploitation of freight transportation. G. Smirnov. Bukhg. uchet 20 no.5:60-63 My '63.

Machine accounting in agriculture. I. A. Kaunov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no.10:34-39 O '63.

Machine accounting in the Taganrog Combine Plant. G. Udovenko. Bukhg. uchet 20 no.10:47-51 O '63.

Mechanization of accounting and reports in the financial organs of the R.S.F.S.R. IU. Piskareva. Bukhg. uchet 20 no.5:63-65 My '63.

The mechanized journal-voucher accounting system in public institutions. P. Brovchenko. Bukhg. uchet 20 no.9:56-57 S '63.

MACHINE-SHOP PRACTICE

Automatic orientation of parts in solenoid coils. V. A. IAkhimovich. Stan. i instr. 34 no.11:15-19 N '63.

Krysin, A. M., and I. Z. Naumov. [Assemblyman] Slesar' mekhanosborochnykh rabot. Moskva, Proftekhizdat, 1963. 324 p.

MACHINE-SHOP PRACTICE—STUDY AND TEACHING

Abramov, N. F., V. I. Goloskova, and Z. B. Lisogor. [Using power tools in training mechanics] Primenenie mekhanizirovannogo instrumenta v protsesse obucheniia slesarei. Moskva, Proftekhizdat, 1963. 50 p. (Obmen opytom raboty)

MACHINE-TOOL INDUSTRY
(see also subdivision under Gorkiy; Japan; United States)

Economic competition between the U.S.S.R. and the U.S.A. in the field of machine-tool manufacturing. M. Perel'man. Plan. khoz. 40 no.12:67-73 D '63.

Important potential of heavy machinery manufacturing. I. Borisov. Plan. khoz. 40 no.11:59-63 N '63.

MACHINE-TOOL INDUSTRY—COSTS see subdivision under Moscow

MACHINE-TOOL INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Moscow

MACHINE TOOLS

Automatic machines for simultaneous machining of the two sides of parts. I. P. Nikitin. Mashinostroenie no. 5:27-29 S-O '63.

Moiseyskii, A. I. [Potentials in the use of machine-tool equipment] Rezervy ispol'zovaniia stanochnogo oborudovaniia. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963. 53 p.

New machine tools. Stan. i instr. 34 no. 11:41-43 N '63.

The question has been put in time. A. Klovatskii. Mashinostroitel' no. 10 31 O '63.

Reinforced concrete beds of machine tools. M. M. Bol'shakov. Mashinostroenie no. 5 18-19 S-O '63.

Russia (1917- R. S. F. S. R.) Sredne-Volzhskii ekonomicheskii raion. Upravlenie kadrov i uchebnykh zavedenii. Uchebno-metodicheskii kabinet. [Machine tools; brief technical characterizations] Metallorezhushchie stanki, kratkie tekhnicheskie kharakteristiki (uchebnoe posobie). Razrabotal A. V. Aboimov. Otv. red. V. V. Rosliakov. Kuibyshev, 1962. 59 p.

Transfer machines and lines. A. N. Rabinovich, N. I. Shereshevskii, I. N. Vasilenko. Mashinostroenie no. 5. 9-12 S-O '63.

MACHINE TOOLS—ATTACHMENTS

Attachment for trimming technological risers on billets and screws. V. E. Zhilenko. Mashinostroenie no. 5: 34 S-O '63.

Multipurpose attachments with interchangeable parts. Iu. L. Berman. Avt. prom. 29 no. 11:38-40 N '63.

Pneumatic and hydraulic drives for machine-tool attachments. Iu. I. Kuznetsov. Mashinostroenie no. 5:114-117 S-O '63.

Quickly-readjusted multiposition attachments. A. M. Radinskii. Mashinostroitel' no. 10 20-22 O '63.

MACHINE TOOLS—BIBLIOGRAPHY see Bibliography—Machine tools

MACHINE TOOLS—DESIGN AND CONSTRUCTION

Petrukha, P. G., V. G. Bovin, and M. A. Minkishev. [Machine tools; purpose and performance, kinematic and hydraulic systems, adjustment and basic data] Metallorezhushchie stanki; naznachenie i metody raboty, kinematicheskie i gidravlicheskie skhemy, nastroika i osnovnye dannye. Moskva, Mosk. aviatsionnyi in-t im. Sergo Ordzhonikidze, 1962. 106 p.

MACHINE TOOLS—ELECTRIC DRIVING

Controlled electric drives of heavy-duty planers and multiple purpose machine tools. IA. S. Brovman. Stan. i instr. 34 no. 11:3-6 N '63.

MACHINE TOOLS—LABORATORY MANUALS

Gulliachkin, K. N. [Laboratory work on the course "Machine tools"] Laboratornye raboty po kursu "Metallorezhushchie stanki." Moskva, Mashgiz, 1963. 230 p.

MACHINE TOOLS—MAINTENANCE AND REPAIR

Reconditioning machine-tool parts with iron plating. N. M. Savel'ev. Mashinostroitel' no. 10:12-13 O '63.

MACHINE TOOLS—NUMERICAL CONTROL

Bâlls instead of electron tubes. A. Aleksandrov. Izobr. i rats. no. 11:20-21 '63.

Contact code transducer for automatic control position systems. B. Kh. Gabaidulin, S. I. Mukhametshina. Stan. i instr. 34 no. 11:33-34 N '63.

Converting machine tools to programmed control. O. A. Sal'nikov. Stan. i instr. 34 no. 11:10-11 N '63.

MACHINE TOOLS—TESTING

Lateral rigidity of reinforced-concrete beds for heavy machine tools. A. I. Dryga, V. G. Babush. Mashinostroenie no. 5:15-16 S-O '63.

MACHINE TOOLS—VIBRATION

Device for measuring torsional vibrations of the power-head spindle. V. M. Pestunov. Stan. i instr. 34 no. 11: 35-36 N '63.

MACHINE TRANSLATING

Konferentsiia po obrabotke informatsii, mashinnomu perevodu i avtomaticheskomu chteniiu teksta. [Reports of the Conference on Data Processing, Machine Translation, and Automatic Reading] Doklady. Moskva, Akad. nauk SSSR.
Nos. 3, 5, 11. 1961.

Problems in the theory of translation related to the general problem of the automation of information processes. I. I. Revzin, V. IU. Rozentsveig. NTI no. 9:32-37 '63.

MACHINERY—ABSTRACTS

[Materials for machinery manufacture and the design of machine parts] Ref. zhur. : Mashinostroi. mat., konstr. i raseh. det. mash. no. 12 D '63; no. 1 Ja '64.

[Technology of machinery manufacture] Ref. zhur. : Tekh. mashinostr. no. 12 D '63.

MACHINERY—DESIGN AND CONSTRUCTION
(see also subdivision under Kazakhstan)

Dunaev, P. F. [Dimension diagrams] Razmernye tsepi. Izd. 2, dop. i perer. Moskva, Mashgiz, 1963. 306 p.

Reshetov, D. N., ed. [Machine parts, atlas of designs] Detali mashin, atlas konstruktsii. Izd. 2., perer. i dop. Moskva, Mashgiz, 1963. 363 p.

MACHINERY—DRAWINGS

Porsin, IU. IA. [Axonometric representation of machine parts] Aksonometricheskie izobrazheniia mashinostroitel'nykh detalei. Moskva, Mashgiz, 1963. 185 p.

MACHINERY—MAINTENANCE AND REPAIR

According to materials in "Vestnik Vysshei Shkoly." Vest. vys. shkoly 21 no. 11:67 N '63.

Kolegaev, R. N. [Determination of the optimum lifetime of machinery] Opredelenie naivygodnieishikh srokov sluzhby mashin. Pod. red. E. G. Libermana. Moskva, Ekonomizdat, 1963. 225 p.

MACHINERY—TESTING see subdivision under Kramatorsk

MACHINERY, AUTOMATIC

Casting of paraffin rings with an automatic machine. M. Miasnikov. Mest. prom. i khud. promys. 3 no. 9:32 S '62.

Umanskii, A. A. [Food is prepared by automatic machines] Pishchu gotoviat avtomaty. Moskva, Izd-vo "Znanie," 1963. 31 p.

MACHINERY INDUSTRY
(see also subdivision under Bryansk, Europe, Eastern, Kirovograd, Kramatorsk, Orel, Rostov-on-Don, Tajikistan, Uzbekistan, Vietnam, North, White Russia)

Conference. M. L. Loenitskii. Mekh. i avtom. proizv. 17 no. 10:55-56 O '63.

Improving subsidiary production processes. V. Ozira. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 6:79-84 '63.

Management school is a school of communism. Mashinostroitel' no. 10, 1 O '63.

Standardization in the small-lot machinery production. P. G. Shishlakov. Standartizatsiia 27 no. 11:3-6 N '63.

MACHINERY INDUSTRY—ABSTRACTS

[Problems of technological progress and the organization of production in the machinery industry] Ref. zhur. : Vop. tekh. prog. i org. proizv. v mashinostr. no. 12 D '63.

MACHINERY INDUSTRY—ACCOUNTING
(see also subdivision under Caucasus, Northern)

Conference on improving the accounting for production in the machinery industry. Bukhg. uchet 20 no. 5:78-79 My '63.

MACHINERY INDUSTRY—BIBLIOGRAPHY see Bibliography—Machinery industry

MACHINERY INDUSTRY—COSTS see subdivision under Bashkiria, North Caucasus Economic region

MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES
(see also subdivision under Armenia)

Equipment utilization analysis in a machinery manufacturing enterprise. A. Vikhlinev. Bukhg. uchet 20 no. 11:32-36 N '63.

MACHINERY INDUSTRY—HYGIENIC ASPECTS

Decrease in the incidence of suppurative diseases at a machinery plant. I. P. Bezukladnyi. Trudy Vor. med. inst. 47:104-105 '62.

MACHINERY INDUSTRY—INFORMATION SERVICES

Technological information and propaganda at the Leningrad Hoisting and Transportation Equipment Plant. A. I. Goncharov. Opyt rab. po tekh. inform. i prop. no. 2: 31-32 '63.

Technological information specialist in a metal-cutting tool shop. M. A. Tikhonov. Opyt rab. po tekh. inform. i prop. no. 3:19-20 '63.

Technological information specialist in a shop (section) of an industrial enterprise. V. M. Nedikov. Opyt rab. po tekh. inform. i prop. no. 2. 23-26 '63.

Work practices of a technological information specialist in a metal-cutting tool section of a plant. Z. V. Kataev. Opyt rab. po tekh. inform. i prop. no. 3:17-19 '63.

MACHINERY INDUSTRY—MANAGEMENT
(see also subdivision under Donets Economic region; Leningrad; Sverdlovsk)

Basis for planned assignments in utilizing capital production funds. A. Kolosov. Plan. khoz. 40 no. 11:10-18 N '63.

Classification of parts is a basis for the organization of industrial production. B. A. Pogodin. Mashinostroenie no. 6:3-10 N-D '63.

Green light to three-dimensional planning. S. M. Shul'zinger. Mashinostroitel' no. 10:35-36 O '63.

Rodin, B. I. [Technical and economic problems in the introduction of new materials to the machinery industry] Tekhniko-ekonomicheskie problemy vnedreniia novykh materialov v mashinostroenie. Moskva, 1963. 109 p. (Moscow TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. Seriia VII: Ekonomika i spetsializatsiia mashinostroeniia. Organizatsiia proizvodstva, no. 81)

Specialization of cutting-tool shops. I. I. Raspletin. Mashinostroitel' no. 10 34-35 O '63.

MACHINERY INDUSTRY—PRODUCTION STANDARDS see subdivision under Donetsk Province, Estonia

MACHINERY INDUSTRY—QUALITY CONTROL see subdivision under Saratov Province

MACHINERY INDUSTRY—SAFETY REGULATIONS

Profsoiuz rabochikh mashinostroeniia SSSR. [Safety and industrial sanitation regulations for woodworking shops (sections) in machinery enterprises and organizations. Approved by the Presidium of the Central Committee of the Trade Union of Machinery Industry Workers on February 15, 1963] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarii dlia derevoobrabatyvaiushchikh tsekhov (uchastkov) predpriiatii i organizatsii mashinostroeniia. Utverzhdeny Prezidiumom TsK Profsoiuza rabochikh mashinostroeniia 15 fevralia 1963 g. Moskva, Mashgiz, 1963. 67 p.

MACHINERY INDUSTRY—STANDARDS

Standardization in the textile and light machinery industry. A. N. Zaitsev. Standartizatsiia 27 no. 11:46-48 N '63.

Standards for the machinery industry. Standardizatsiia 27 no. 11:57-58 N '63.

MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS
(see also subdivision under Andizhan; Chimkent; Tselinograd Province)

Zhdanov, A. I. [Economic efficiency of equipment modernization] Ekonomicheskaia effektivnost' modernizatsii oborudovaniia. Izd. 2., dop. i perer. Moskva, Ekonomizdat, 1963. 199 p.

MACHINERY INDUSTRY WORKERS
(see also subdivision under Kuybyshev)

Career of the Communist Youth League member Mokhov. V. Larin. Smena 40 no. 12:1-3 Je '63.

MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING

Individual training of new workers. L. Khotetovskaia. Prof.-tekh. obr. 20 no. 10:28 O '63.

MACHINISTS' TOOLS

Capron insulation for tools. P. V. Smirnov. Mashinostroitel' no. 10:17 O '63.

MACROMOLECULAR COMPOUNDS

Inorganic high polymers and new physical methods for their study. V. V. Tarasov. Trudy MKHTI no. 37:11-31 '62.

Interaction of dyes with high molecular weight substances. M. V. Savost'ianova. Usp. khim. 32 no. 10:1233-1269 O '63.

Markevich, S. V. ["Big chemistry"] "Bol'shaia khimiia." Minsk, Gos. izd-vo BSSR, 1963. 93 p.

MACYS, JONAS, 1867-1902

Kubilius, V. J. Mačys-Kekšias. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1958. 24 p. [In Lithuanian]
(CtY)

MAGADAN PROVINCE—COAL MINERS

Voluntary participation [in party work] is growing. V. Bashkatov. Part. zhizn' no. 23:43-45 D '63.

MAGMA

Alkalinity and differentiation of kimberlite magma. A. A. Lebedev. Trudy IAFAN AN SSSR. Ser. geol. no. 9:88-98 '63.

MAGNESITE

Operation of a magnesite unloading and transporting system. S. I. Trusov, A. F. Dvornikov. Elek. sta. 34 no. 10:79-80 O '63.

MAGNESIUM ALLOYS

Developing a procedure for the manufacture and investigating the physicomechanical properties of thin magnesium alloy sheets. A. I. Kolpashnikov and others. Trudy MATI no. 57:58-65 '63.

MAGNESIUM ALLOYS—METALLOGRAPHY

Investigating Mg-Mn and Mg-Zr alloys obtained during quenching from melts. N. I. Varin, B. N. Litvin. Fiz. met. i metalloved. 16 no. 4:596-599 O '63.

MAGNESIUM OXIDES

Mass transfer rate in the chlorination of a magnesium oxide suspension in molten chlorides. A. I. Teterevkov, IA. E. Vil'nianskii. Izv. vys. ucheb. zav.; khim. i. khim. tekh. 6 no. 5:874-878 '63.

MAGNESIUM OXIDES (Continued)

Moscow, Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia, [Industry's requirement as to the quality of mineral raw materials] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Izd. 2., perer. Moskva, Gosgeoltekhizdat,

No. 22. Kashkarov, O. D., and M. P. Fiveg. [Potassium and magnesian salts] Kalliynye i magnezial'nye soli. Nauchn. red. E. V. Orlova. I IU. L. Chernosvitov. 1963. 54 p.

MAGNETIC AMPLIFIERS

Consideration of the dynamic nonlinearity of magnetic amplifiers in the design of automatic control systems [with summary in English]. E. I. Khlypalo. Avtom. i telem. 24 no. 11,1533-1538 N '63.

MAGNETIC CIRCUITS

Ivanov, A. A. [Fundamentals of the theory of electrical and magnetic circuits] Osnovy teorii elektricheskikh i magnitnykh tsepei Kiev, Izd-vo Akad. nauk USSR, 1963. 366 p.

MAGNETIC FIELDS

Change in the electric resistance of a system of nickel-copper alloys in a longitudinal magnetic field. V. M. Myndyev. Izv. AN Turk SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:98-101 '62.

Changes in magnetic induction in the magnet gap caused by the introduction of weak-magnetic parts of measuring devices into the gap. V. N. Sepetyi, G. K. IAgola, V. I. Zingerman. Izm. tekh. no. 10,47-52 O '63.

Diffusion break-up of a plasma in a magnetic field in the presence of nonlinear effects G. A. Grinberg. Zhur. tekh. fiz 33 no. 12,1430-1443 D '63.

Displacement of an electric arc in a magnetic field. V. S. Gvozdetskii, V. S. Mechev. Avtom. svar. 16 no. 10:54-62 O '63

Effect of a magnetic field on the emission of calcium carbonate. E. F. Tebenikhin, B. T. Busev. Prom energ. 18 no. 11:26-31 N '63.

Effect of an inhomogeneity in a magnetic field on the capture of electrons for acceleration in a betatron. O. V. Sokolov. Izv. vys. ucheb. zav., fiz. no. 3 98-102 '63.

Gorbunov, E. P., and others. [Studying a toroidal discharge in a strong magnetic field] Issledovanie toroidal'nogo razriada v sil'nom magnitnom pole. Moskva, In-t atomnoi energii im. I. V. Kurchatova, 1960. 23 p.

Ivanov, D. P., and V. D. Kirillov. [Studying a toroidal discharge in a rapidly changing longitudinal magnetic field] Issledovanie toroidal'nogo razriada v bystromenialushchemsia prodol'nom magnitnom pole. Moskva, In-t atomnoi energii AN SSSR, 1960. 26 p.

Magnetic field disturbances around a body moving in a plasma. L. P. Pitaevskii. Geomag. i aer. 3 no. 6: 1036-1047 N-D '63

Measuring the magnetic field index in a weakly focusing proton-synchrotron from observation of the accelerated particle beam. L. P. Zinov'ev, V. I. Kotov, K. P. Myznikov. Prib. i tekh. eksp. 8 no. 4:22-23 Jl-Ag '63.

Methods of investigating the magnetic microstructure of alloys. B. V. Molotilov. Sbor. trud. TSNIICHM no. 32:91-99 '63.

Motion of isolated charged particles in a magnetic field with helical symmetry. V. M. Balebanov and others. Atom. energ. 15 no. 5:409-410 N '63.

Podgornyi, I. M., and V. N. Sumarokov. [Injection of plasma clots into a magnetic trap with a field growing stronger toward the periphery] Inzhektsiia sgustkov plasmy v magnitnuiu lovushku s polem, vozrastaiushchim k periferii. Moskva, In-t atomnoi energii AN SSSR, 1960. 14 p.

Stability of the topology of a magnetic field. G. V. Skor-

[illegible] N '63.

Using a magnetic field for the control of the building-up process. V. P. Chernysh, S. K. Pavliuk. Mashinostroenie no. 5:85-88 S-O '63.

The welding arc in an alternating transverse magnetic field. G. B. Serdiuk, A. N. Kornienko. Avtom. svar. 16 no. 10:8-14 O '63.

MAGNETIC FIELDS—MEASUREMENT

Induction type transducers of limited size for measuring weak magnetic fields of audio frequency. D. G. Levchenko, A. F. Kotiuk. Izv. AN SSSR, Ser. geofiz. no. 11:1684-1690 N '63.

MAGNETIC FIELDS (COSMIC PHYSICS)

Magnetic fields in solar prominences. B. A. Ioshpa. Geomag. i aer. 3 no. 6:1125-1126 N-D '63.

Measurements of the magnitude and direction of the magnetic field in the region of sunspots [with summary in English]. B. A. Ioshpa, V. N. Obridko. Astron. zhur. 40 no. 6:1013-1015 N-D '63.

Synchrotron radiation of charged articles in a dipole magnetic field [with summary in English]. A. A. Korchak. Astron. zhur. 40 no. 6 994-1006 N-D '63.

MAGNETIC INSTRUMENTS

Calculating magnetic circuit for the pickup of the AGM-2 level indicator. V. G. Bekhtubov. Za tekh. prog. 3 no. 7 4-6 Jl '63.

The DPK-01 magnetic toothed linear transducer. A. IU. Krishtul. Stan. i instr. 34 no. 11 40-41 N '63.

MAGNETIC MATERIALS

Nuclear magnetic resonance in deformed ferromagnetics. L. L. Buishvili Fiz. tver. tela 5 no. 11 3327-3328 N '63.

Some properties of the domains of thin ferromagnetic plates. V. A. Buravikhin. Izv. vys. ucheb. zav., fiz. no. 3 83-85 '63.

MAGNETIC MEASUREMENTS

Balance with automatic compensation for susceptibility measurement. I. V. Svechkarev. Prib. i tekh. eksp. 8 no. 4:142-143 Jl-Ag '63.

Changes in magnetic induction in the magnet gap caused by the introduction of weak-magnetic parts of measuring devices into the gap. V. N. Sepetyi, G. K. IAgola, V. I. Zingerman. Izm. tekh. no. 10 47-52 O '63.

Device for magnetic measurements in the temperature range 110-573° K. Part 4 [with summary in English]. E. A Bylina, V. D. Evdokimov. Zhur. fiz. khim. 37 no. 9:2138 S '63.

Magnetic resistance used in field measurements at helium temperatures. V. A. Danilychev and others. Prib. i tekh. eksp. 8 no. 5:221 S-O '63.

Use of a Q-meter for measuring permeability. IA. N. Kolli. Izv. vys. ucheb. zav., radiotekh. 6 no. 5,548-555 S-O '63.

MAGNETIC MEMORY (COMPUTERS)

Detection of coded signals recorded on a magnetic carrier. I. S. Makarov. Radiotekhnika 18 no. 11:50-56 N '63.

Study of nondestructive interrogation of ordinary ferrite toroids. E. I. Iliashenko. NTI no. 9,27-31 '63.

MAGNETIC PROSPECTING

Russia (1923- U. S. S. R.) Gosudarstvennyi geologicheskii komitet. [Technical instructions on magnetic prospecting] Tekhnicheskaia instruktsiia po magnitnoi razvedke. Moskva, Gosgeoltekhizdat, 1963. 240 p. 2 fold. maps insert.

MAGNETIC RECORDERS AND RECORDING

Density of the magnetic recording of pulses (with summary in English on p. 95). IU. P. Drobyshev. Tekh. kino i telev. 7 no. 11:52-56 N '63.

Our consultations. Radio no. 11:61 N '63.

MAGNETIC SEPARATION OF ORES

Electromagnetic separation of dispersion complex-mineral mixtures in magnetically conductive liquids. V. G. Feklichev. Trudy IMGRE no. 18 165-167 '63.

MAGNETIC STORMS

Solar corpuscular streams and families of geomagnetic storms during the flight of "Mariner-2" preliminary report. V. I. Afanas'ev. Geomag. i aer 3 no. 6,1126-1127 N-D '63.

MAGNETISM—STUDY AND TEACHING

Studying the magnetic properties of bodies. I. D. Kulina. Fiz. v shkole 23 no. 3:87-92 My-Je '63.

MAGNETISM, TERRESTRIAL

[illegible]so subdivision under Grearson Hills, [illegible]ica; Krasnoyarsk Territory)

[illegible]n of the electric currents induced in the sea [illegible]-variation of the geomagnetic field. V. I. [illegible], P. Kostomarov. Geomag. i aer. 3 no 6: [illegible] N-D '63.

[illegible]tic of variation correction in aeromagnetic [illegible] A. M. Karasik, M. Kh. Rubinchik. Inform. sbor. NIIGA no. 31:81-83 '62.

Effect of the solar corpuscular stream on the earth's magnetosphere. E. I. Mogilevskii. Geomag. i aer. 3 no. 6:1001-1013 N-D '63.

Expression in spherical coordinates of the magnetic dipole potential situated at any point in space and having a magnetic moment of any direction. IU. D. Kalinin. Geomag. i aer. 3 no. 6:1089-1093 N-D '63.

Method of averaged control route in aeromagnetic surveying. A. M. Karasik. Inform. sbor. NIIGA no. 31:77-81 '62.

Russia (1923- U. S. S. R.) Gosudarstvennyi geologicheskii komitet. [Aeromagnetic surveying in geology, collection of articles dedicated to the 25th anniversary of aeromagnetic surveying in the U. S. S. R.] Aeromagnitnaia s"emka v geologii; sbornik statei, posviashchennyi 25-letiiu aeromagnitnoi s"emki v SSSR. Moskva, Gosgeoltekhizdat, 1963. 123 p.

Some problems of magnetic activity. Part 2; reply to A. P. Nikol'skiis and A. I. Oli's remarks [1]. V. M. Mishin Geomag. i aer. 3 no. 6:1073-1078 N-D '63.

MAGNETISM, TERRESTRIAL—DIURNAL VARIATION

Characteristics of the irregular fluctuations in diurnal magnetic variation. M. N. Fatkullin. Geomag. i aer 3 no. 6:1065-1072 N-D '63.

Effect of universal and local time on the diurnal variation of magnetic activity. L. A. IUdovich. Geomag. i aer 3 no. 6:1138-1139 N-D '63

Reality of the diurnal periodicity of magnetic activity. A. P. Nikol'skii, IU. V. Nikolaev. Geomag. i aer. 3 no. 6,1139-1141 N-D '63.

MAGNETITE

Determination of the content of magnetite in mixtures. V. G. Glazko, V. P. TSvetkov. Zav. lab. 29 no. 10 1204 '63.

MAGNETIZATION

Dependence of the magnetization of a rail on the velocity of the moving field of a horseshoe electromagnet. N. V. Miroshin. Izv. vys. ucheb. zav., fiz. no. 3:41-47 '63.

Dynamics of the domain structure during magnetization. I. F. Degtiarev, D. A. Laptei. Izv. vys. ucheb. zav., fiz. no. 3:7-11 '63.

Some characteristics of the magnetization of a system of supermagnetic particles. Part 2. V. B. Evdokimov. Zhur. fiz. khim. 37 no. 9:2128-2130 S '63.

MAGNETOACOUSTIC EFFECT

Double excitation of free induction and spin echo in crystals in the absence of a static magnetic field. U. Kh. Kopvillem, R. V. Shubina. Izv. vys. ucheb. zav.; fiz. no. 5:6-13 '63.

MAGNETOHYDRODYNAMICS

Conducting-gas flow about a slightly corrugated wall in a longitudinal magnetic field. V. A. Kykov. Inzh. zhur. 3 no. 4:632-637 '63.

Effect of a strong magnetic field on the magnetohydrodynamic stability of a plasma and the confinement of charged particles in a "Tokamak" apparatus. F. P. Gorbunov, K. A. Razumova. Atom. energ. 15 no. 5, 363-370 N '63.

Interaction of magnetoacoustic waves [with summary in English]. IU. F. Filippov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 5 932-940 '63.

Plane-parallel flow of a fluid with time-dependent conductance in a transversal magnetic field. G. A. Grinberg. Zhur. tekh. fiz. 33 no. 11:1364-1367 N '63.

Popov, V. A., ed. [Magnetohydrodynamic method of energy conversion. Translations] Magnitogidrodinamicheskii metod preobrazovaniia energii. Moskva, Fizmatgiz, 1963. 530 p.

Scattering and transformations of waves due to thermal fluctuations in magnetohydrodynamics. A. G. Sitenko, IU. A. Kirochkin. Zhur. tekh. fiz. 33 no. 11:1354-1365 N '63.

Sources of spherical eddies in magnetohydrodynamics. G. P. Dikii. Zhur. tekh. fiz. 33 no. 11:1285-1289 N '63.

Spectrum of magnetohydrodynamic turbulent convection [with summary in English]. S. A. Kaplan. Astron. zhur. 40 no. 6:1047-1054 N-D '63.

MAGNETOMETER

(see also subdivision under Mirnyy Station, Antarctica)

Device for measuring variable magnetic fields. M. E. Mazurov. Prib. i tekh. eksp. 8 no. 4:146-148 Jl-Ag '63.

Electronic Tesla magnetometer. Prib. i tekh. eksp. 8 no. 5:227 S-O '63.

Induction gaussmeter with piezoelectric actuator. Prib. i tekh. eksp. 8 no. 5:194-195 S-O '63.

Nuclear magnetometer with proton transducers in semiconductor devices. A. G. Gordienko, L. O. Antonenko. Prib. i tekh. eksp. 8 no. 4:144-146 Jl-Ag '63.

Universal pendulum magnetometer. V. P. Poliakov. Prib. i tekh. eksp. 8 no. 5:190-193 S-O '63.

MAGNETORESISTANCE

Negative magnetic resistance in n-type indium arsenide at low temperatures. N. V. Zotova, T. S. Lagunova, D. N. Nasledov. Fiz. tver. tela 5 no. 11:3328-3331 N '63.

MAGNETOSTRICTION

Thermodynamic theory of magnetoelastic properties of antiferromagnetic materials. Part 2; Piezomagnetic and cubic antiferromagnetic materials. A. I. Mitsek. Fiz. met. i metalloved. 16 no. 4:501-508 O '63.

MAGNETRONS

Static theory of a cylindrical magnetron with internal cathode. V. E. Belov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 5:1065-1067 '63.

MAGNITOGORSK—GROCERY TRADE

Let's normalize the supply of retail trade. M. Mesengiser. Sov. torg. 37 no. 11:43 N '63.

MAGNITOGORSK—HARDWARE

Advantages of specialization. A. Paukin, D. Veisman. Agitator no. 21:44-47 N '63.

MAGNITOGORSK—INDUSTRIES

Work of party groups in enterprises and on construction sites of Magnitogorsk city. Part. zhizn' no. 22:15-17 N '63.

MAGNITOGORSK—RESTAURANTS, LUNCHROOMS, ETC.—EMPLOYEES

With a smile and attentiveness. E. Kolkov. Obshchestv. pit. no. 8, 20 Ag '63.

MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1893-1930

Lyric poet and tribune. V. Pertsov. Znamia 33 no 7: 200-211 Jl '63.

Maiakovskii among us; on the occasion of his 70th birthday. I. K. Borysov. Ukr. mova i lit. v shkoli 13 no. 5 11-17 Jl '63.

Maiakovskii as artist. V. Lapshin. Iskusstvo 26 no. 7: 43-53 '63.

Seventieth birthday of Maiakovskii. Smena 40 no. 13: 12-13 Jl '63.

MAIBORODA, GEORGII ILLARIONOVICH, 1913-

Herdiichuk, M. M. [Georgii Illarionovich Maiboroda, People's Artist of the U. S. S. R.] Heorhii Illarionovych Maiboroda, narodnyi artyst SRSR. Kyiv, Mystetstvo, 1963. 105 p.

MAIZE see Corn (Maize)

MAKARENKO, ANTON SEMENOVICH, 1888-1939

Saifabanovich, E. Z. [Anton Semenovich Makarenko, the man and the writer] Anton Semenovich Makarenko; chelovek i pisatel'. [Moskva] Moskovskii rabochii, 1963. 471 p.

"Kryukovo meetings." Nar. obr. no. 12: 132-133 D '63.

MAKE-UP, THEATRICAL

Shakhnazarov, S. P. [Art of make-up] Iskusstvo grima. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 134 p.

MAKSIMOVICH-AMBODIK, NESTOR MAKSIMOVICH, 1744-1812

Nestor Maksimovich Maksimovich-Ambodik; on the 150th anniversary of his death. A. B. Preiman. Akush. i gin. 39 no. 4: 137-140 Jl-Ag '63.

MALAGASY REPUBLIC—POLITICS AND GOVERNMENT

Korneev, L. A. [Formation of Malagasy Republic] Obrazovanie Mal'gashskoi Respubliki. Moskva, Izd-vo vostochnoi lit-ry, 1963. 208 p.

MALARIA

(see also subdivision under Yemen)

Independent coexistence of Plasmodium vivax strains with long and short incubation periods [with summary in English]. P. G. Sergiev, N. A. Tiburskaia. Med. paraz. i paraz. bol. 32 no. 5: 576-580 S-O '63.

MALAYA ALMAATINKA VALLEY—CLICK BEETLES

New genus of click beetles (Coleoptera, Elateridae) from the northern Tien Shan [with summary in English]. E. L. Gurieva. Zool. zhur. 42 no. 9, 1410-1412 '63.

MALAYA BOTUOBUYA VALLEY—DIAMONDS

Genetic types of the diamond-bearing placer deposits in the Malaya Botuobiya Valley. I. S. Rozhkov, G. P. Mikhalov. Trudy IAFAN AN SSSR, Ser. geol. no. 9, 106-114 '63.

MALAYA KHETA VALLEY—ELECTRIC PROSPECTING

Geoelectric cross section of the left-bank part of the Yenisey trough. D. I. Gvizd'. Inform. shor. NIIGA no. 30: 67-71 '62.

MALAYSIA, FEDERATION OF

A new center of tension. S. Astakhov. Mezhdunar. zhizn' 10 no. 11: 111-112 N '63.

MALEIC ACID

Gravimetric determination of thorium with dihydroxymaleic acid [with summary in English]. N. D. Sadzhaia. Zhur. anal. khim. 18 no. 8: 1028-1029 Ag '63.

MALI—ECONOMIC CONDITIONS

Mali looks ahead. R. Serebrennikov. Nov. vrem. 21 no. 48: 24-26 N '63.

MALI—MINERALS IN SOILS

Trace element content of soils in the savanna zone of the Republic of Mali. IA. V. Peive. Pochvovedenie no. 11: 47-56 N '63.

MALTHUSIANISM

Pogudin, V. I. [Nature is not to blame] Priroda ne vinovata. [Leningrad] Lenizdat, 1963. 84 p.

MALTOSE

Purified maltose molasses. T. A. Ladur. Trudy TSNIIKPP no. 5: 30-47 '63.

MALYSHKO, ANDRII, 1912-

A poet and his time. S. A. Kryzhanivs'kyi. Rad. lit. 7 no. 6: 8-17 N-D '63.

Studying the poem of A. Malyshko "It was at dawn" in the 11th grade. I. L. Shavlova'kyi. Ukr. mova i lit. v shkoli 13 no. 5, 36-40 Jl '63.

MAMADYSH DISTRICT—LEGENDS

A new record of the legend on Ivan the Terrible. N. A. Verderevskaia. Sov. etn. no. 5: 114-115 S-O '63.

MAMMALS see subdivision under Koryak Range

MAMMARY GLANDS—ABNORMITIES AND DEFORMITIES

Supernumerary mammary glands. I. P. Gomeniuk. Akush. i gin. 39 no. 4: 132 Jl-Ag '63.

MAN

Marxist interpretation of the nature of man. M. I. Petrosian. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 4: 19-27 '63.

MAN—INFLUENCE OF ENVIRONMENT

Geographical environment of human society. Iu. G. Saushkin. Geog. i khoz. no. 12: 67-77 '63.

MANGANESE

Manganese, a microelement. V. D. Baranskii. Izv. ISKHI no. 14, 30-35 '58.

MANGANESE ALLOYS—METALLOGRAPHY

Characteristics of the plastic deformation of austenitic manganese and nickel alloys. I. N. Bogachev, V. S. Litvinov, R. I. Mints. Fiz. met. i metalloved. 16 no. 4: 596-602 O '63.

MANGANESE CATALYSTS

Effect of potassium salts on the activity of the manganese catalyst. A. A. Perchenko. Trudy NIISZHIMSa no. 3: 59-61 '62.

MANGANESE-IRON ALLOYS see Iron-manganese alloys

MANGANESE MINES AND MINING see subdivision under Nikopol' region

MANGANESE SALTS

Searching for efficient ways to provide the synthetic fatty acids (SZhK) industry with inorganic manganese salts for the production of catalyzing soaps. A. F. Prokopchuk. Trudy NIISZHIMSa no. 3: 79-82 '62.

MANGYSHLAK PENINSULA—TURKMEN

Materials on the ethnography of the Turkmen on the Mangyshlak Peninsula. A. Dzhikiev. Trudy Inst. ist., arkheol. i etn. AN Turk. 7: 192-202 '63.

MANNERS AND CUSTOMS

New customs in a village. G. Savvateeva. Sov. profsoiuzy 19 no. 18, 27-28 S '63.

MANOMETER

Allowing for the evacuating effect of mercury vapors in the calibration of electric discharge manometers by reference to a mercury compression manometer. A. V. Eliukhin. Izm. tekh. no. 12: 20 D '63.

Standard membrane-type capacity manometer. V. A. Ryzhov. Prib. i tekh. eksp. 8 no. 5: 198-202 S-O '63.

Two-liquid micromanometer for measuring slight pressure losses in rarefied gases. V. A. Sukhnev and others. Izm. tekh. no. 12: 17-19 D '63.

Upper measurement limit of a diaphragm capacitance compensation manometer. V. A. Ryzhov. Izm. tekh. no. 11, 14-16 N '63.

MANUAL TRAINING

Development of structural and technical knowledge and skills in adolescents in the course manual training. V. I. Kachnev. Sov. pedag. 27 no. 10: 61-69 O '63.

History of the establishment of factory schools, 1921-1925. R. A. Klenova. Vop. ist. 38 no. 12: 199-203 D '63.

Testing knowledge, skills and habits during the school workshop classes. N. A. Chernenko. Sov. pedag. 27 no. 9: 76-86 S '63.

MANUFACTURES—ABSTRACTS

[Communal, household, and commercial equipment] Ref. zhur.: Kommun., byt. i torg. obor. no. 11 N '63.

[Light industry] Ref. zhur.: Leg. prom. no. 12 D '63.

MANUIL'SKII, DMITRII ZAKHAR'EVICH, 1883-1960

Zav'ialov, B. M. [Dmitrii Zakhar'evich Manuil'skii] Dmytro Zakharovych Manuil's'kyi. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1963. 150 p.

MANURE SPREADERS

The ATT-2 fertilizer-distributing device. G. I. Kolliada. Mashinostroenie no. 5: 105-106 S-O '63.

The RU-4-10 spreader of mineral fertilizers, lime, and green manure crop seeds. I. IA. Antonenko. Mashinostroenie no. 5: 104-105 S-O '63.

MANUSCRIPTS, KOREAN

Petrova, O. P. [Description of written monuments of Korean culture] Opisanie pis'mennykh pamiatnikov koreiskoi kul'tury. Moskva, Izd-vo vostochnoi lit-ry, No. 2. 1963. 138 p. illus.

MANZHURA, IVAN IVANOVYCH, 1851-1893

Works and letters of a democratic poet. L. IA. Aizenshtok. Rad. lit. 7 no. 6: 127-130 N-D '63.

MAPS

Maps with semitone hypsometry. IA. Pravda. Geod. i kart. no. 10: 67-71 O '63.

MAPS, MILITARY

Electrified map. A. Starostin, V. Strugov. Voen. vest. 43 no. 10: 115-117 O '63.

MARI A. S. S. R.—FOREST MANAGEMENT

Labor successes of the Mari foresters. A. Nefed'ev. Les. khoz. 16 no. 9: 74-75 S '63.

MARI A. S. S. R.—FOREST SOILS

Floodland forest soils in the Mari area of the trans-Volga region. G. V. Dobrovol'skii and others. Pochv. poch. rus. lav. no. 2: 158-172 '63.

MARINE BIOLOGY see subdivision under Baltic Sea; Japan, Sea of

MARINE BOILERS see Boilers, Marine

MARINE DIESEL ENGINES

Experimental investigation of stresses and elastic deformations of the 6ChRP 25/34 marine diesel engine crankshaft. G. N. Chernykh. Sudostroenie 29 no. 11: 23-25 N '63.

Khandov, Z. A., and V. F. Ermakov. [Marine diesel engine operations with a two-stage fuel feed] Rabota sudovogo dizelia s dvukhfaznoi podachei topliva. Leningrad, Sudpromgiz, 1963. 82 p.

Marine diesel engine with gas turbine pressure charging. F. Urlang. Rech. transp. 22 no. 10: 29-31 O '63.

MARINE DIESEL ENGINES—LUBRICATION

Efficiency of the automatic control of diesel engine lubrication. M. Khavenskii. Rech. transp. 22 no. 10: 17-18 O '63.

MARINE DIESEL ENGINES—TESTING

Testing main engines of diesel-electric power plants while being moored. Iu. A. Somin. Sudostroenie 29 no. 10: 68-69 O '63.

MARINE ENGINEERING

Agafonov, V. A., V. G. Ermilov, and E. V. Pankov. [Marine condenser plants] Sudovye kondensatsionnye ustanovki. Leningrad, Sudpromgiz, 1963. 480 p.

Ikonnikov, S. A., and F. D. Urlang. [Design of marine power plants (for the merchant marine)] Proektirovanie sudovykh silovykh ustanovok (transportnogo flota). Moskva, Izd-vo "Rechnoi transport," 1963. 383 p.

Method of mounting the main engines with little deformation of the foundation frame and the crankshaft. M. A. Daikhes. Sudostroenie 29 no. 11: 43-46 N '63.

Reconditioning machine parts by build-up welding in an atmosphere of carbon dioxide. V. Shebanov. Rech. transp. 22 no. 10, 31-32 O '63.

MARINE ENGINEERING—HANDBOOKS, MANUALS, ETC

[Handbook on ship repairs in two volumes] Spravochnik po remontu sudov v dvukh tomakh. Pod obshchei red. M. I. Chernova. Moskva, Izd-vo "Rechnoi transport." Vol. 1. 1963. 550 p.

MARINE ENGINEERING—PATENTS

Foreign patents. Sudostroenie 29 no. 11: 75-77 N '63.

MARINE ENGINES

Operational reliability of electric marine motors. T. Altshuller. Mor. flot 23 no. 11: 26-27 N '63.

MARINE ENGINES—LUBRICATION

Methods of improving the separation of lubricants on motorships. V. Storozhev. Rech. transp. 22 no. 11: 55-56 N '63.

MARINE ENGINES—MAINTENANCE AND REPAIR

Faivushevich, V. M. [Maintenance and repair of marine internal combustion engines] Remont sudovykh dvigatelei vnutrennogo sgoraniia. Leningrad, Izd-vo "Morskoi transport," 1963. 206 p.

Reconditioning engine casings by epoxy resins. V. Shishaiskii. Rech. transp. 22 no. 11: 32-33 N '63.

Universal portable machine for lapping internal combustion engine valves on ships. A. Tepliakov. Rech. transp. 22 no. 11: 49 N '63.

Ways of increasing the motor capacity of internal combustion engines and the service of marine engines. N. Protasevich. Rech. transp. 22 no. 10: 26-28 O '63.

MARINE GAS TURBINES

Marine diesel engine with gas turbine pressure charging. F. Urlang. Rech. transp. 22 no. 10: 29-31 O '63.

MARINE GAS TURBINES—MODELS

Electron model of a marine gas turbine plant. B. P. Bichaev, V. M. Zelenin. Sudostroenie 29 no. 10: 26-29 O '63.

MARINE GAS TURBINES—NOISE

Measures for power plant noise reduction on gas turbine powered ships of the type "Pavlin Vinogradov." L. I. Bushanskaia. Sudostroenie 29 no. 10: 30-33 O '63.

MARINE PIPE FITTING

Jet discharge pipe without reaction at anchorage. M. I. Aliamovskii. Sudostroenie 29 no. 11: 30-31 N '63.

Ways of improving ship piping installations. A. D. Kovtun. Sudostroenie 29 no. 11: 48-52 N '63.

MARITIME METEOROLOGY see Meteorology, Maritime

MARITIME TERRITORY—FARM MANURE—TRANSPORTATION
Unloader of cargo trucks. I. Volkov. Tekh. v sel'khoz. 23 no. 10,79-82 O '63.

MARITIME TERRITORY—ORE DEPOSITS
New data on the regularities in the distribution of endogenetic mineralization in the Maritime Territory. E. S. Pavlov. Dokl. AN SSSR 153 no. 2 435-439 N '63.

MARITIME TERRITORY—REHABILITATION OF CRIMINALS
Public participation in the rehabilitation of convicted delinquents. V. Kulakov, P. Dagel'. Sots. zakon. 40 no. 10,41-42 O '63.

MARKET SURVEYS
Let's be more exact in determining the demand of merchandise. A. Rudakov. Sov. torg. 37 no. 11:34-35 N '63.

MARKETING
Textbook on the organization and technology of trade. V. Kust, S. Zorin, S. Zhdanova. Sov. torg. 37 no. 11: 47-48 N '63.

MARKETING—COSTS
Several problems of planning marketing costs in Soviet trade. S. Aminov. Trudy Otd. ekon. AN Tadzh. SSR 11:87-102 '63.

MARKETING RESEARCH
Studying variety and demand. N. Titel'baum. Sov. torg. 37 no. 11 6-10 N '63.

MARKETS—DESIGN AND CONSTRUCTION
Urbakh, A. I. [Covered markets; practice in design and construction] Krytye rynki, opyt proektirovaniia i stroitel'stva. Moskva, Gosstroiizdat, 1963. 169 p.

MARKHA VALLEY—DIAMONDS
Stratigraphy and lithology of "interstream pebble beds" in the Markha-Tyung interfluve and paleography of the time of their accumulation in connection with the formation of diamond-bearing placer deposits in the middle Markha Basin. M. I. Plotnikova and others. Trudy IAFAN AN SSSR, Ser. geol. no. 9:123-141 '63.

MARKHA VALLEY—GEOLOGY, STRATIGRAPHIC
Stratigraphy and lithology of "interstream pebble beds" in the Markha-Tyung interfluve and paleography of the time of their accumulation in connection with the formation of diamond-bearing placer deposits in the middle Markha Basin. M. I. Plotnikova and others. Trudy IAFAN AN SSSR, Ser. geol. no. 9:123-141 '63.

MARKING DEVICES
Automatic machine for marking disk-type parts. B. IU. Boechko. Mashinostroenie no. 5:31-32 S-O '63.

MARKOVICH, BOGDAN AFANAS'EVICH
Some information on the biography of B. A. Markovich. V. P. Orlov. Ist. arkh. 8 no. 3:216-217 My-Je '62.

MARKOVYCH, MARIIA OLEKSANDRIVNA (VILINSKAIA), 1834-1907
Janko Veselinović and Marko Vovchok. M. L. Bershadskaia. Mizhslov. lit. vzaiem. no. 3:66-77 '63.

MARRIAGE
Some results of a study of reasons for marriage in the U. S. S. R. A. G. Kharchev. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 4,47-58 '63.

MARRIAGE CUSTOMS AND RITES see subdivision under Turkmen

MARROW—DISEASES
Hormone therapy in hypoplastic and aplastic states. IA. I. Vygovskaia. [Sbor. trud.] L'vov. nauch. -issl. inst. perel. krovi i neotlozh. khir. no. 4:132-141 '60.
Myeloaplastic syndrome. S. M. Martynov. [Sbor. trud.] L'vov. nauch. -issl. inst. perel. krovi i neotlozh. khir. no. 4:5-20 '60.
Vitamin therapy in hypoplastic and aplastic states. N. A. Novosad. [Sbor. trud.] L'vov. nauch. -issl. inst. perel. krovi i neotlozh. khir. no. 4:148-154 '60.

MARROW—TRANSPLANTATION
Conservation of bone marrow for the purposes of transplantation in radiation lesions. Zh. A. Pkhrikian, S. S. Amirkhanian. Zhur. eksp. i klin. med. 3 no. 4:57-60 '63.

MARS (PLANET)—SPECTRA
Effect of atmospheric pressure on the half-width of oxygen lines in the 1.27μ band [with summary in English]. N. I. Kozhevnikov, E. A. Makarova, G. F. Sitnik. Astron. zhur. 40 no. 6:1095-1100 N-D '63.

MARSHAK, SAMUIL IAKOVLEVICH, 1877-
Poet of an intelligent mind and a clever heart. N. P. Chamata. Rad. lit. 7 no. 6:54-66 N-D '63.

MARTENS see subdivision under Rostov Province

MARTENSITE
X-ray examination of the kinetics of martensite disintegration at low-temperature tempering in rolls used in cold rolling. B. A. Brusilovskii, F. I. Ivanov. Sbor. Novo-Kram. mashinostroi. zav. no. 5 96-99 '59.

MARTÍ, JOSÉ, 1853-1895
José Martí. N. Tomashevskii. V mire knig 3 no. 9:38 S '63.

MARVELOUS, THE
Mezentsev, V. A., and L. T. Pinchuk. [Ghosts, black cats, and nonmarvelous marvels] O privideniiakh, chernoi koshke i chudesakh bez chudes. [Moskva] Molodaia gvardiia, 1963. 99 p.

MARX, KARL, 1818-1883
Military historical problems in volumes 15-22 of the second edition of the works of K. Marks and F. Engels. L. Gol'man. Voen. -ist. zhur. 5 no. 11:90-99 N '63.

MASERS
Omnipotent beam. Gleb Anfilov. Znan. sila 36 no. 10: 36-39 O '61.

MASS BCG VACCINATION see BCG Vaccination

MASS SPECTROMETRY
Determination of small amounts of water and hydroxyl groups by deuterium exchange and mass spectrometry [with summary in English]. L. T. Zhuravlev and others. Zhur. fiz. khim. 37 no. 9:2054-2061 S '63.
Mutual transformations of cyclols and cyclodepsipeptides studied by the method of fragmentary mass spectrometry. N. S. Vul'fson and others. Dokl. AN SSSR 153 no. 2:336-339 N '63.
Omegatron for ultrahigh vacuum measurements. B. P. Batrakov, P. M. Kobzev. Prib. i tekh. eksp. 8 no. 4 112-115 Jl-Ag '63.
Reactions of organomercury and organolead compounds studied by the isotopic and mass-spectrometric method. G. A. Razuvaev and others. Dokl. AN SSSR 152 no. 5, 1122-1125 O '63.

MASS SPECTROSCOPY
Precision method of determining isotope relations of light elements. L. M. Adel'berg. Trudy VNIGRI no. 212. Geokhim. sbor. no. 8:234-245 '63.

MASS TRANSFER
Division of the total coefficient of mass transfer into partial coefficients. A. N. Planovskii, E. D. Vertuzaev. Khim. prom. no. 9:700-703 S '63.
Hydraulics and mass transfer in the intertubular space of a heat-exchange column. M. E. Aerov and others. Khim. prom. no. 9:703-705 S '63.
Intercrystalline self-diffusion of silver in an electric field. S. M. Klotsman, A. N. Timofeev, I. Sh. Trakhtenberg. Fiz. tver. tela 5 no. 11:3276-3281 N '63.
Mass transfer rate in the chlorination of a magnesium oxide suspension in molten chlorides. A. I. Teterevkov, IA. E. Vil'nianskii. Izv. vys. ucheb. zav.; khim. i. khim. tekh. 6 no. 5:874-878 '63.

MASS TRANSFER—MODELS
Modeling of the mass transfer process in a two-phase flow. I. M. Anoshin. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:105-109 '63.

MASSAGE
Reizman, A. M., and F. I. Bagrov. [Exercise therapy and massage in scoliosis] Lechebnaia gimnastika i massazh pri skolioze. Moskva, Medgiz, 1963. 139 p. (DNLM)

MASTICATION
Effect of the mastication act on intragastric temperature in patients with anacidic gastritis. V. F. Kozlovskaia. Teor. i prak. stom. no. 5:117-121 '61.
Effect of the mastication act on stomach secretion in patients with achylous gastritis. G. S. Dobrokhotov. Teor. i prak. stom. no. 5:111-116 '61.

MASTS AND RIGGING
Repair of ship masts on shore. V. A. Fateev. Sudostroenie 29 no. 11:86 N '63.

MATERIA MEDICA, VEGETABLE
Medicinal plants and their use. A. P. Pushkarev. Med. sestra 22 no. 11:51-54 N '63.

MATERIALS—DICTIONARIES
New encyclopedia "Construction materials." Plast. massy no. 11:76 '63.

MATERIALS—INVENTORIES see subdivision under Moscow Province

MATERIALS—TESTING
Improvement of the method of luminescent defectoscopy. A. S. Borovikov. Zav. lab. 29 no. 10:1200-1202 '63.
Theoretical evaluation of the possibilities of the beta-introscopy method. A. M. IAkobson, F. N. Novitskii. Zav. lab. 29 no. 10:1194-1198 '63.

MATERIALS, EFFECT OF RADIATION ON
Amaev, A. D., and L. M. Lebedev. [Testing machines for studying the mechanical properties of irradiated materials] Ispytatel'nye mashiny dlia issledovaniia mekhanicheskikh svoistv obluchennykh materialov. Moskva, In-t atomnoi energii AN SSSR, 1960. 15 p.

MATERIALS HANDLING
Goods are not touched with hands. N. Zhikharev, A. Grigor'ev. Izobr. i rats. no. 11:6 '63.
Loading fresh bagasse into trucks. P. V. Glavatskii. Sakh. prom. 37 no. 10:39 O '63.

MATERIALS HANDLING—ABSTRACTS
[Industrial transportation] Ref. zhur.: Prom. transp. no. 12 D '63.

MATERNAL AND INFANT WELFARE see subdivision under Yal'chiki District

MATHEMATICAL ANALYSIS
Korovkin, P. P. [Mathematical analysis] Matematicheskii analiz. Moskva, Uchpedgiz.
Pt. 1. 1963. 399 p.

MATHEMATICAL ECONOMICS see Economics, Mathematical

MATHEMATICAL MODELS
(see also subdivision under White Russia)
Mathematical modeling of a synchronous machine taking saturation into account. L. M. Gorbunova, M. G. Portnoi. Trudy VNIIE no. 15:96-105 '63.

MATHEMATICAL RECREATIONS
Magic sine. IU. IUrkins. IUn. tekh. 8 no. 11:41-44 N '63.

MATHEMATICAL SOCIETIES see subdivision under Moscow

MATHEMATICAL STATISTICS
Application of the information theory to mathematical statistics. IU. V. Linnik. Izv. AN SSSR, Tekh. kib. no. 5:102 S-O '63.
Application of the sequential method of statistical solution to the recognition of forms. IU. V. Vagin. NTI no. 9,22-26 '63.
Linear regression analysis of the results of fatigue testing of aluminum alloys. M. N. Stepnov. Zav. lab. 29 no. 10:1212-1214 '63.
"Methods of statistical consequent analysis and their applications" by A. E. Basharinov, B. S. Fleishman. Reviewed by A. N. Shiriaev. Zav. lab. 29 no. 10:1279-1280 '63.
Plotting of empirical dependencies by the method of averaging. O. D. Kildopotov. Zav. lab. 29 no. 10: 1215-1217 '63.
Presentation of the results of investigation of the structural defects of germanium. V. N. Maslov and others. Zav. lab. 29 no. 10:1206-1211 '63.
Theory of tests for two normal samples. IU. V. Linnik. Dokl. AN SSSR 152 no. 3,548-549 S '63.

MATHEMATICS
Equations and eras. A. Shchuka. IUn. tekh. 8 no. 11: 56-58 N '63.
Markovich, E. S. [Course in higher mathematics] Kurs vysshei matematiki. [Moskva] Rozvuzizdat, 1963. 407 p.
New contribution to mathematics. B. N. Delone, V. S. Vinogradov, L. D. Kudriavtsev. Priroda 52 no. 10: 55-56 '63.
Summaries of papers accepted for publication by the Moscow Mathematical Society. Usp. mat. nauk. 18 no. 5: 221-229 S-O '63.

MATHEMATICS—ABSTRACTS
[Mathematics] Ref. zhur.: Mat. Statisticheskii i predmetnyi ukazateli za 1962 g.

MATHEMATICS—AUDIO-VISUAL AIDS
Training in mathematical calculation skills. M. Khabibrakhmanov. Prof.-tekh. obr. 20 no. 14:15 O '63.

MATHEMATICS—BIBLIOGRAPHY see Bibliography—Mathematics

MATHEMATICS—COMPETITIONS
International Olympiad of young mathematicians. L. Petrakov. Nar. obr. no. 12:135-136 D '63.

MATHEMATICS—HISTORY
Infinitesimal methods in works of Nazir al-Din Al-Tusi. A. Kubesov. Izv. AN Azerb. SSR, Ser. fiz. -mat. i tekh. nauk no. 4:147-152 '63.

MATHEMATICS—PHILOSOPHY
Gnosiological nature of abstract objects in mathematics. B. S. Grigaznov. Nauch. dokl. vys. shkoly; filos. nauki 6 no. 5:58-66 '63.

MATHEMATICS—PROBLEMS, EXERCISES, ETC.
Solving the triangles and electrical engineering problems. IU. Gal'perin. Prof.-tekh. obr. 20 no. 10:13-14 O '63.

MATHEMATICS—STUDY AND TEACHING
(see also subdivision under Rostov Province)

Cybernetic concepts and the problems of didactics. P. M. Erdniev. Sov. pedag. 27 no. 11:104-117 N '63.

Didactic problems in pedagogical articles of a prominent Soviet mathematician. A. M. Sokhor. Sov. pedag. 27 no. 11:150-152 N '63.

Kurgan. Gosudarstvennyi pedagogicheskii institut. [Collection of articles on scientific methodology; physics and mathematics faculty] Nauchno-metodicheskii sbornik; fiziko-matematicheskii fakul'tet. Kurgan, 1962. 238 p.

Maier, R. A. [Studying the properties of functions in the eight-year school] Iz opyta izucheniia svoistv funktsii v vos'miletnei shkole. Pod red. I. A. Gibsha. Moskva, Izd-vo APN RSFSR, 1963. 70 p. (Pedagogicheskie chteniia)

Prochukhaev, V. G. [Raising the standards of teaching and the quality of student knowledge in mathematics] O povyshenii urovnia prepodavaniia i kachestva znanii uchashchikhsia po matematike, posobie dlia studentov pedagogicheskikh institutov i uchitelei matematiki. Moskva, Mosk. gos. ped. in-t im. V. I. Lenina, 1963. 190 p.

MATHEMATICS—TABLES, ETC.

Fagurova, V. I. [Tables of incomplete gamma functions] Tablitsy nepolnoi gamma - funktsii. Moskva, VTs AN SSSR, 1963. 235 p. (Matematicheskie tablitsy)

Tishin, S. D., and S. S. Tishin. [Involution tables with basis from 0.0001 to 1000 and exponents from 0.01 to 4] Tablitsy vozvedeniia v stepen' pri osnovaniiakh ot 0,0001 do 1000 i pokazateliakh ot 0,01 do 4. Izd. 3., dop. Moskva, Gosstatizdat, 1963. 300 p.

MATRICES

Asymptotic behavior of integral matrices of the nth order and the integral invariant of a group of unimodular matrices. B. F. Skubenko. Dokl. AN SSSR 153 no. 2: 290-291 N '63.

Making use of the possible analyticity of matrix elements with respect of the field coupling constant. IU. M. Lomsadze. Izv. vys. ucheb. zav., fiz. no. 3:119-122 '63.

MATSUKAWA, JAPAN—TRIALS (POLITICAL CRIMES AND OFFENSES)

Victory of the progressive forces. I. Latyshev. Az. i Afr. seg. no. 12:12 D '63.

MEASLES

Pathomorphology of the respiratory organs in measles. I. G. Shrott. Zdravookhranenie 6 no. 5:58-60 S-O '63.

MEASURING INSTRUMENTS
(see also subdivision under Japan)

Automatic multichannel photorecorder for geocryological observations. N. S. Ivanov, IU. N. Annenkov. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1:101-110 '58.

Device for measuring torsional vibrations of the power-feed spindle. V. M. Postnov. Stan. i instr. 34 no. 11: 35-36 N '63.

Improve the quality of instruments with persistance. M. D. Kalennikov. Izm. tekh. no. 11:52-53 N '63.

International exhibition of laboratory equipment, measuring devices and means of automation. A. Z. Grishchenko, Avtom. i prib. no. 4:85-90 O-D '63.

Measures and measuring instruments approved by the State Committee on the basis of the results of their official testing and permitted to be used in the U. S. S. R. Izm. tekh. no. 11:61-64 N '63.

Measures and measuring instruments approved by the State Committee on the basis of the results of their official testing and permitted to be used in the U. S. S. R., registered in November 1962. Izm. tekh. no. 10:61-63 O '63.

Soloviov, V. K. [Monitoring and measuring instruments] Kontrol'no-izmeritel'nye pribory. Moskva, Profizdat, 1963. 235 p.

Wide-range inductive device for dimensional measurements. E. I. Marilasin. Izm. tekh. no. 12:13 D '63.

MEASURING INSTRUMENTS—TESTING

Develop departmental inspection of measuring equipment. M. D. Kalennikov. Izm. tekh. no. 10:58-60 O '63.

Effect of temperature on the errors of measurements. N. N. Markov, G. B. Kafner, P. A. Satserdotov. Izm. tekh. no. 11:5-9 N '63.

New instructions on the testing of measures and measuring instruments. Izm. tekh. no. 12:57 D '63.

MEAT GRINDERS

Meat grinder. V. Paramonova, V. Romenskii, F. Zan'ko. Obshchestv. pit. no. 8:34 Ag '63.

MEAT INDUSTRY

Investigation and prevention of the pilfering of socialist property in meat processing plants. T. Shipovich, I. Shraga. Sots. zakon. 40 no. 8:73-76 S '63.

MEAT INDUSTRY—AUDITING AND INSPECTION see subdivision under Moscow

MEAT INDUSTRY—EQUIPMENT AND SUPPLIES

Peleev, A. I. [Technological equipment of the enterprises of the meat industry] Tekhnologicheskoe oborudovanie predpriiatii miasnoi promyshlennosti. Izd. 2., perer. i dop. Moskva, Pishchepromizdat, 1963. 686 p.

MEAT INDUSTRY—INFORMATION SERVICES

Organization of scientific and technological information at the Yaroslavl Meat-packing Plant. M. T. Morozova. Opyt rab. po tekh. inform. i prop. no. 3:20-22 '63.

MEAT INSPECTION

Biochemical and pathomorphological estimation of possible use of food of the meat of cattle infected with stachybotryotoxicosis. M. K. Beletskaia and others. Nauch. trudy Uch. chasti UASHN 27 no. 10:118-125 '62.

Fluorescence method for determining meat freshness. V. Sergeev, K. Smirnova, A. Molodiakova. Obshchestv. pit. no. 6:24-25 Je '63.

MECHANICAL DRAWING

Molochkov, A. V., and G. S. Talako. [How to read mechanical drawings] Kak chitat' tekhnicheskii chertezh. Izd. 2., perer. Minsk, Gos. izd-vo BSSR, 1963. 255 p. (Bibliotechka stanochnika)

Runk, O., E. Targo, and K. Tihase. [Elements of mechanical drawing and sketching] Joonestamise ja joonistamise pohikursus. Tallinn, Eesti Riiklik Kirjastus, 1963. 398 p. [In Estonian]

MECHANICAL DRAWING—EQUIPMENT AND SUPPLIES

Introduction of drawing equipment systems in chemical machinery plants. D. D. Riabinin. Standartizatsiia 27 no. 11:30-31 N '63.

MECHANICAL DRAWING—INSTRUCTION

Mantsvetova, I. V., and D. IU. Maiants. [Projection drawing, with a collection of problems] Proektsionnoe cherchenie so sbornikom zadach. Izd. 2., perer. i dop. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 369 p.

Vinogradov, V. N. [Drawing] Cherchenie. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 96 p.

MECHANICAL DRAWING—STUDY AND TEACHING

Connection between the study of mechanical drawing and students' work in workshops. A. G. Korchak. Sred. spets. obr. 10 no. 11:36-38 N '63.

Khotimskaia, O. V., and G. A. Naumova. [Assignment cards on mechanical drawing for grades seven and eight, teacher's aid] Kartochki-zadaniia po chercheniiu dlia VII-VIII klassov; posobie dlia uchitelei. Moskva, Uchpedgiz, 1963. 301 p.

MECHANICAL ENGINEERING

Artobolovskii, S. I. [Theory of mechanisms and machines] Teoriia mekhanizmov i mashin. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 340 p.

Cernoch, S. [Handbook on the manufacture of machinery in two volumes. Translated from the Czech] Spravochnik po mashinostroeniiu v dvukh tomakh. Pod red. N. S. Acherkana. Moskva, Mashgiz. Vol. I. 1963. 734 p.

Movnin, M. S., and D. O. Gol'tsiker. [Mechanical engineering] Tekhnicheskaia mekhanika. Leningrad, Sudpromgiz. Pt. 3. [Machine parts] Detali mashin. 1963. 287 p.

MECHANICAL ENGINEERING—AUDIO-VISUAL AIDS

Visual aid on technical mechanics. A. I. Lisitsyn. Sred. spets. obr. 10 no. 11:52-53 N '63.

MECHANICAL FANS see Fans, Mechanical

MECHANICAL WEAR

Fatigue mechanism of the wear in case of an elastic contact. I. V. Kragel'skii, E. F. Nepomniashchii. Izv. AN SSSR. Mekh. i mashinostr. no. 5:190-195 S-O '63.

Machine for testing specimens for wear with a reciprocating motion. V. A. Kislik, V. I. Shlykov. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 12:109-112 '61.

MECHANICS

Methods for organizing experimental observations and the results achieved at the experimental unit of the Siberian Technological Institute. P. B. Gaidachi. Trudy STI no. 32:93-104 '62.

New approximate method for solving equations describing the equilibrium of arbitrary flat shells. M. IU. Akhundzade, I. G. Tagiev. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 4:127-134 '63.

Studying the equations for calculating the traction force in a flexible working part. P. B. Gaidachi. Trudy STI no. 32:87-92 '62.

MECHANICS—LABORATORY MANUALS

Savinov, G. V., ed. [Laboratory work in theoretical and applied mechanics] Laboratornyi praktikum po obshchei i prikladnoi mekhanike. [Moskva] Izd-vo Mosk. univ. 1963. 233 p.

MECHANICS, ANALYTIC

Proof of A. N. Kolmogorov's theorem on the conservation of conditionally periodic motions with small variations in the Hamilton function. V. I. Arnol'd. Usp. mat. nauk. 18 no. 5:13-40 S-O '63.

MECHANISMS

Optimum approximation by means of piecewise continuous functions and some problems of the approximate synthesis of mechanisms. I. I. Tartakovskii. Izv. AN SSSR. Mekh. i mashinostr. no. 5:196-198 S-O '63.

MEDIASTINUM—RADIOGRAPHY

Mediastinal chondromas. V. L. Manevich. Vest. rent. i rad. 38 no. 5:62-63 S-O '63.

MEDIASTINUM—SURGERY

Mediastinotomy in suppurative posterior mediastinitis [with summary in English]. A. A. Chervinskii. Khirurgiia 39 no. 7:112-115 Jl '63.

MEDIASTINUM—TUMORS

Mediastinal chondromas. V. L. Manevich. Vest. rent. i rad. 38 no. 5:62-63 S-O '63.

Pneumomediastinography in the diagnosis of benign tumors and cysts of the mediastinum. L. N. Tishchenko, T. I. Shraer. Vest. rent. i rad. 38 no. 5:61-62 S-O '63.

Tumors of the anterior mediastinum. E. A. Kutukova. Vop. klin. pat. no. 2:52-60 '61.

MEDICAL CARE see subdivision under Guerrillas; Kirovsk (Murmansk Province)

MEDICAL CARE, COST OF see subdivision under United States

MEDICAL ELECTRONICS see subdivision under United States

MEDICAL EMERGENCIES

Emergency surgery in patients in a state of shock and collapse [with summary in English]. V. I. Zak, M. A. Dolgov. Vest. khir. 90 no. 6:43-46 Je '63.

MEDICAL GEOGRAPHY see subdivision under Russia, Northern

MEDICAL GEOGRAPHY—ABSTRACTS

[Medical geography] Ref. zhur.: Med. geog. no. 12 D '63.

MEDICAL INSTRUMENTS AND APPARATUS

Basic principles of the technical guarantee of the phasic method. A. N. Medelianovskii, O. I. Kiselev. Trudy po nov. app. i metod. no. 1 17-40 '63.

The DPA-3 defibrillizer. V. IA. Eskin, A. M. Klimov. Vop. elektropat., elektrotravm. i elektrobezop. no. 3: 75-85 '62.

Methodology of x-ray examination of the hepato-pancreato-duodenal zone using a blocking duodenal sound [with summary in English]. B. G. Shusterov. Vest. rent. i rad. 38 no. 5:50-54 S-O '63.

Phasic X-ray cardiograph FRK-61 is a commercial apparatus guaranteeing the use of the phasic method. I. K. Tabarovskii. Trudy po nov. app. i metod. no. 1: 46-53 '63.

Universal apparatus for the phasic study of the heart on a trigger scheme. A. N. Medelianovskii, O. I. Kiselev. Trudy po nov. app. i metod. no. 1 41-45 '63.

MEDICAL JOURNALISM see Journalism, Medical

MEDICAL JURISPRUDENCE
(see also subdivision under Germany, East)

Acts or findings? IU. Edel', V. Moisieiev. Rad. pravo no. 6:103-104 N-D '63.

Some causes of different changes in bones having lain for the same period of time in the earth of similar morphological characteristics. A. F. Rusezhanskii. Sud.-med. ekspert. 6 no. 4:25-28 O-D '63.

MEDICAL JURISPRUDENCE—BIBLIOGRAPHY see Bibliography—Medical jurisprudence

MEDICAL MICROBIOLOGY—LABORATORY MANUALS

Vershyhora, A. IU., L. V. Hryhor'ieva, and O. P. Synel'nykova. [Practical handbook of medical microbiology] Praktychnyi posibnyk z medychnoi mikrobiologii. Kyiv, Derzhmedvydav URSR, 1963. 194 p. (DNLM)

MEDICAL MYCOLOGY—CLASSIFICATION

Remarks on controversial questions in the classification and terminology of mycoses and their pathogens. V. IA. Nekachalov. Vest. derm. i ven. 37 no. 7:26-32 Jl '63.

MEDICAL PERSONNEL
(see also subdivision under Kuznetsk Basin)

Put emphasis on communist work. N. F. Izmerov. Med. sestra 22 no. 10:3-5 O '63.

Strengthening ideological work. B. D. Petrov. Fel'd. i akush. 28 no. 11:3-8 N '63.

Subprofessional medical workers in the years of the revolutionary movement and the days of the Great October. I. A. Slonimskaia. Fel'd. i akush. 28 no. 11: 42-45 N '63.

Valiaeva, K. N., comp. [Manual on work protection and safety technique for public health personnel] Spravochnik po okhrane truda i tekhnike bezopasnosti dlia rabotnikov zdravookhraneniia. Moskva, Medgiz, 1963. 445 p.

MEDICAL RADIOLOGY see Radiology, Medical

MEDICAL RECORDS

Medical documentation in the pathological anatomy department of a hospital [with summary in English]. IU. N. Darkshevich. Arkh. pat. 25 no. 7:86-89 '63.

MEDICAL RESEARCH

Experiments on human subjects in current foreign medicine; a review of literature. O. V. Porov. Sov. zdrav. 22 no. 7, 71-76 '63.

MEDICAL SOCIAL WORK

Noble goals. G. A. Miterev. Zdorov'e 9 no. 10:1-2 O '63.

MEDICAL SOCIETIES see subdivision under Kharkov Province; Lvov

MEDICAL STATISTICS

Oncological diseases according to prosection data of the Department of Pathological Anatomy of the First Moscow Medical Institute over a 20-year period (1939-1958) [with summary in English]. N. P. Volgareva. Arkh. pat. 25 no. 7:72-80 '63.

Role of variational-statistical analysis in a clinical study. E. R. Guglin. Klin. med. 40 no. 11:142-144 N '62.

MEDICAL TESTS

Importance of biochemical tests in heart defects of rheumatic etiology [with summary in English]. S. S. Klikina. Vrach. delo no. 11:21-23 N '63.

MEDICATED BATHS see Baths, Medicated

MEDICINE
(see also subdivision under Armenia)

Review of Feliks Widy-Wirski's book "On the basic problems of the history of medicine." Klin. med. 41 no. 7:156-158 Jl '63.

Significant dates and anniversaries of medicine in 1963. Sov. zdrav. 22 no. 7:83-87 '63.

Zhuk, A. P. [Development of public medical thought in Russia during the 1860's and 1870's] Razvitie obshchestvenno-meditsinskoi mysli v Rossii v 60-70 gg. XIX veka. Moskva, Medgiz, 1963. 381 p.

MEDICINE—ABSTRACTS

Abstracts. Kaz. med. zhur. no. 5:83-89 S-O '63.

MEDICINE—BIBLIOGRAPHY see Bibliography—Medicine

MEDICINE—CONGRESSES

Impressions of the Czechoslovakian Medical Congress. S. M. Gusman. Terap. arkh. 35 no. 5:109-110 My '63.

Second Scientific Conference of Therapeutists of the Northwest Provinces of the R[illegible]F[illegible]R. I. B. Shulutko. Terap. arkh. 35 no. 5 113-114 My '63.

What is expected of a general practitioner; notes of a delegate to the Edinburgh Conference. Z. I. Annushkevich. Klin. med. 40 no. 11:148-149 N '62.

MEDICINE—DICTIONARIES

[Large medical encyclopedia] Bol'shaia meditsinskaia entsiklopediia. Glav. red. A. N. Bakulev. Moskva, Gos. nauchn. izd-vo "Sovetskaia entsiklopediia." Vol. 32. Teniidozy - Tuliaremiia. Izd. 2. 1963. 1256 column.

———— [List of articles and terms for the letter "T"] Perechen' statei i terminov na bukvu "T" (tridtsat' vtoroi tom) 4 p.

———— [Phonorecord of sound phenomena appended to the article "Schizophrenia;" no. 34] [illegible]derzhit zapis' [illegible]ia;"

MEDICINE, INTERNAL

Course of propedeutics of internal diseases in the third year of Medical Institutions of Higher Education. A. A. Shelagurov, N. V. Adrianova. Klin. med. 41 no. 7:150-152 Jl '63.

MEDICINE, POPULAR—BIBLIOGRAPHY see Bibliography—Medicine, Popular

MEDICINE, PREVENTIVE

Some problems of general and specialized prophylaxis. A. M. Markov. Klin. med. 40 no. 11:3-6 N '62.

MEDICINE, RURAL
(see also subdivision under Volgograd Province)

Method of planned consultations in combined rural districts. K. V. Kucherova, B. M. Dolgonos. Zdravookhranenie 6 no. 5:10-12 S-O '63.

MEDICINE AND RELIGION

Denisenko, P. P. [Medicine and religion] Meditsina i religiia. Moskva, Sovetskaia Rossiia, 1961. 85 p.

MEDICINE IN SPORTS see Sports medicine

MEDITERRANEAN SEA—DEEP-SEA DEPOSITS

Composition and distribution of spores and pollens in the surface layer of marine sediments in the Mediterranean Sea. V. A. Vronskii, D. G. Panov. Dokl. AN SSSR 153 no. 2:447-449 N '63.

MEDITERRANEAN SEA—PALYNOLOGY

Composition and distribution of spores and pollens in the surface layer of marine sediments in the Mediterranean Sea. V. A. Vronskii, D. G. Panov. Dokl. AN SSSR 153 no. 2:447-449 N '63.

MEGRI DISTRICT—FAULTS (GEOLOGY)

Direction of movements in the zone of the Debaklinskiy fault. V. G. Kocharian, R. N. Taian. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 4/5:77-88 '63.

MEIERKHIOL'D, VSEVOLOD EMIL'EVICH, 1874-1942

About Gor'kii. About Meierkhol'd. [Urii German. Zvezda no. 5:162-171 My '62.

MEISAK, NIKOLAI

Siberian character. M. Pevzner. Sov. pech. no. 11:45-46 N '63.

MELAMINE

Solubility in water of melamine and some of its derivatives. V. I. Zagranichnyi, Z. A. Poliakova. Khim. prom. no. 9:692-694 S '63.

MELANCHOLIA

Psychology of involutional melancholia. I. Sh. Bzhalava. Eksp. issl. po psikhol. ust. 2:315-350 '63.

MELANOMA

Orbital melanomas [with summary in English]. A. P. Shanin. Trudy Inst. onk. AMN SSSR. no. 3:25-31 '60.

Study of eye melanoblastoma in tissue cultures [with summary in English]. R. K. Marmur. Vop. onk. 9 no. 7:36-41 '63.

MELITOPOL', BATTLE OF, 1943

Their exploits are immortal. P. Pshenichnyi. Voen. vest. 43 no. 11:17-19 N '63.

MELTING

"Quanta" of contact melting. V. IA. Zlenko. Izv. vys. uchib. zav.; fiz. no. 5:86-92 '63.

MELTING POINTS

Fusibility of the reciprocal system Cs, Sr // NO_2, NO_3. P. I. Protsenko, S. K. Shurdumov. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:707-711 '63

MEMEL—COMMUNIST YOUTH LEAGUE

When the cruise is over... Z. TSybul'skaia. Komsom. zhizn' no. 14:12-13 Jl '63.

MENINGES—TUBERCULOSIS

Errors in the early diagnosis of tuberculous meningitis in children. O. I. Kondratenko. Pediatriia 41 no. 7:17-20 Jl '63.

MENINGES—TUMORS

Clinical aspect of diffuse tumors of the cerebral and spinal meninges [with summary in English]. R. S. Zil'bershtein, N. P. Kaluzaeva. Vrach. delo no. 11:83-86 N '63

MENINGITIS

Medical expertise of working capacity in arachnitis of the brain [with summary in English]. V. V. Istomin. Vrach. delo no. 11:68-74 N '63

Otogenic suppurative meningitis. D. L. Rivin. Zdrav. Bel. 9 no. 3:56-58 Mr '63.

MENOPAUSE

Diagnosis and therapy of some forms of amenorrhea [with summary in English]. M. N. Skorniakova. Akush. i gin. 39 no. 4:29-33 Jl-Ag '63.

MENSTRUATION

Hysterosalpingography during various phases of the menstrual cycle [with summary in English]. A. L. Kaplan, M. M. Abramova, M. V. Gudkova. Akush. i gin. 39 no. 4:3-6 Jl-Ag '63.

Ovarian-menstrual cycle and generative function in female employees in a number of professions. V. K. Lysenko. Zdrav. Bel. 9 no. 3:44-47 Mr '63

MENSURATION

Information content for the case of an even distribution of the measured magnitude and a normal distribution of the error. V. I. Rabinovich, M. P. TSapenko. Izm. tekh. no. 10:8-13 O '63.

Present stage of development of measuring technique. V. V. Petropavlovskii. Izm. tekh. no. 12:45-49 D '63

Principal metrological problems arising in physicochemical measurements. D. K. Kollerov. Izm. tekh. no. 12:1-4 D '63.

Quantum radiophysics and metrology. A. V. Kubarev. Izm. tekh. no. 10:5-7 O '63.

MENSURATION—ABSTRACTS

[Mensuration and measurement techniques] Ref. zhur.: Metr. i izm. tekh. no. 12 D '63.

MENTAL ILLNESS

Effect of endocrine gland reception on higher nervous activity and on its possible participation in mental disorders of endocrine origin [with summary in English]. P. M. Kaplan, M. M. Torubiner. Probl. endok. i gorm. 9 no. 5:49-54 S-O '63.

MENTAL SUGGESTION

Contribution to the theory of posthypnotic suggestion. D. N. Uznadze. Eksp. issl. po psikhol. ust. 2 37-44 '63.

MEPROBAMATE

Clinicopharmacological evaluation of andaxin premedication in surgical interventions under local anesthesia. V. V. Bol'shagin, M. P. Vikhrieva. Khirurgiia 39 no. 7:86-93 Jl '63.

Idiosyncrasy to meprobamate (andaxin). S. Fazakas, D. Nadi. Klin. med. 40 no. 11:129-130 N '62.

MERCANTILE BUILDINGS see subdivision under Karaganda Province

MERCAPTALS

Homolytic isomerization of acetone di-n-butylmercaptole. R. Kh. Freidlina, A. B. Terent'ev. Dokl. AN SSSR 152 no. 3:637-639 S '63.

MERCAPTANS see Thiols

MERCAPTO GROUP

Sulfhydryl groups of viruses. L. M. Tarasevich. Vop. virus. 8 no. 2:135-141 Mr-Ap '63.

MERCHANT MARINE
(see also subdivision under Yenisey River)

Multiply and develop fine labor traditions. Mor. flot 23 no. 11:1-2 N '63.

Shortcomings are eliminated. Mor. flot 23 no. 11:6 N '63.

With the help of the public at large. N. Traburov. Mor. flot 23 no. 11:7-8 N '63.

MERCHANT MARINE—PASSENGER TRAFFIC
(see also subdivision under Ob' River)

Better service for passengers. N. Kharin. Rech. transp. 22 no. 11:54 N '63.

Passenger motorship made of plastics. M. Avrukh. Rech. transp. 22 no. 11:30-31 N '63.

MERCHANT MARINE—SAFETY MEASURES

Leningrad. TSentral'nyi Nauchno-issledovatel'skii institut morskogo flota. [Industrial safety and the improvement of working conditions in the merchant marine] Tekhnika bezopasnosti i uluchshenie uslovii truda na morskom flote. Leningrad, Izd-vo "Morskoi transport," 1963. 96 p. [Issued "instead of" its: Trudy, no. 40]

MERCHANT MARINE—TECHNOLOGICAL INNOVATIONS

Make the achievements of science and technology available to the national economy. S. Kamenskii. Rech. transp. 22 no. 10:58 O '63.

MERCHANT SEAMEN

Progressive workers are revealing potentialities. L. Banita, E. Rozenblium. Mor. flot 23 no. 11:5-6 N '63.

They took part in the work of the Sixth Congress of Trade Unions. N. Vasin. Rech. transp. 22 no. 10:4-5 O '63.

MERCHANT SEAMEN—DISEASES AND HYGIENE

Leningrad. TSentral'nyi Nauchno-issledovatel'skii institut morskogo flota. [Industrial safety and the improvement of working conditions in the merchant marine] Tekhnika bezopasnosti i uluchshenie uslovii truda na morskom flote. Leningrad, Izd-vo "Morskoi transport," 1963. 96 p. [Issued "instead of" its: Trudy, no. 40]

MERCHANT SEAMEN—EDUCATION AND TRAINING

Labor and education walk hand in hand. G. Snenko. Sov. profsoiuzy 19 no. 18:18-20 S '63.

MERCHANT SHIPS

Attaching a group of sister ships to a group of cargo lines. K. Liakhov. Rech. transp. 22 no. 11:18-19 N '63.

MERCHANT SHIPS—EQUIPMENT AND SUPPLIES

Improve operations in supplying and servicing ships. I. Frolkin. Mor. flot 23 no. 11:14-15 N '63.

Improve the equipment of navigating houses on merchant ships. I. Kolyshkin. Mor. flot 23 no. 11:36-37 N '63.

MERCURY-ARC RECTIFIERS

Analysis of the parallel operation of dynamically controlled mercury rectifiers with inductive current dividers. L. A. Dritov, M. E. Gol'dshtein. Izv. vys. uchеb. zav.; elektromekh. 6 no. 9:1084-1092 '63.

Schematic for connecting ignitrons in a three-phase network. A. E. Barton. Prom. energ. 18 no. 11:9-10 N '63.

MERCURY COMPOUNDS

Potentiometric determination of divalent mercury concentration using a mercury electrode [with summary in English]. A. I. Mogilianskii and others. Zhur. anal. khim. 18 no. 10:1211-1216 O '63.

MERCURY ORGANIC COMPOUNDS

Oxidation of alkyl organomercury compounds. G. A. Razuvaev and others. Dokl. AN SSSR 152 no. 3:633-636 S '63.

MERKE—COOPERATIVE SOCIETIES

We don't make a step without volunteers. I. Mal'chovetskii. Koop. Kazakh. 8 no. 7:8 O '63.

MESHCHERA—DRAINAGE

For high efficiency of excavating operations in forest drainage. A. S. Formin. Les. khoz. 16 no. 9:76-77 S '63.

MESHCHERA—EARTHWORK

For high efficiency of excavating operations in forest drainage. A. S. Formin. Les. khoz. 16 no. 9:76-77 S '63.

MESHCHERA—PEAT SOILS

Water balance of peat soils in the spring [with summary in English]. B. S. Maslov. Pochvovedenie no. 10:73-82 O '63.

MESHCHERA—SOIL MOISTURE

Water balance of peat soils in the spring [with summary in English]. B. S. Maslov. Pochvovedenie no. 10:73-82 O '63.

METABOLISM, DISORDERS OF

Disorders of the antitoxic function of the liver in silicosis [with summary in English]. P. D. IAnov. Klin. med. 41 no. 7:33-38 Jl '63.

Effect of bicillin and its combination with bismuth preparations on protein and lipid metabolism in syphilis [with summary in English]. D. N. Remizov. Vest. derm. i ven. 37 no. 7:53-56 Jl '63.

Meteken, T. L., and others. [Clinical and laboratory significance of some metabolic processes in infectious hepatitis] Kliniko-laboratornoe znachenie nekotorykh obmennykh protsessov pri infektsionnom gepatite. Tashkent, Medgiz, UzSSR, 1963. 108 p. (DNLM)

METAL CASTINGS—DEFECTS

Correcting casting defects by epoxy resins. IU. A. Vodenikov, F. E. Rubtsov, G. N. Tushov. Lit. proizv. no. 10:43 O '63.

METAL CASTINGS—TESTING

Soveshchanie po teorii liteinykh protsessov. 8th. [Mechanical properties of cast metals] Mekhanicheskie svoistva litogo metalla; trudy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 307 p.

METAL CLADDING

Cladding of SAP [sintered aluminum powder]. A. I. Kolpashnikov, IU. V. Dmitriev, G. N. Shlenskii. Trudy MATI no. 57:99-103 '63.

Effect of nickel on the process of the formation of a diffusive layer at the boundary of silicon brass fusion with steel. G. A. Asinovskaia. Trudy VNIIAvtogen no. 8:57-64 '63.

Improving the resistance spot welding of D16 alloy sheets by cladding with an AMg alloy. IU. V. Dmitriev. Trudy MATI no. 57:91-94 '63.

Investigating conditions of seizing during the mutual plastic deformation of duralumin-type alloys with alloys of the system Al - Mg. A. V. Malan'in, A. I. Kolpashnikov, V. P. Gorokhov. Trudy MATI no. 57:66-90 '63.

Manufacture of bimetal rods and wire of aluminum alloys. L. I. Ivanov, I. P. TSipulin. Trudy MATI no. 57:25-26 '63.

Strength of clad sheet SAP [sintered aluminum powder]. A. I. Kolpashnikov, IU. V. Dmitriev. Trudy MATI no. 57:110-113 '63.

METAL CLEANING

Vibration cleaning of part surfaces. L. D. Apatova. Mashinostroenie no. 5 122-123 S-O '63.

METAL CRYSTALS

Determining the crystallization front by the distance between dendrite axes. E. I Akimova, N. M. Lapotyshkin, A. V. Leites. Sbor. trud. TSNIICHM no. 32:72-74 '63.

Strength characteristics of whisker type metal crystals with admixtures. V. G. Kostiuk, K. K. Ziling, A. V. Serebriakov. Fiz. tver. tela 5 no. 11:3060-3065 N '63

METAL CUTTING

Automatic line for chamfering and groove milling. I. P. Nikitin. Mashinostroenie no. 6:11 N-D '63.

Blumberg, V. A., and P. A. Pakidov. [Productivity and economic efficiency of the mechanization and automation of metal cutting] Proizvoditel'nost i ekonomichnost' mekhanizatsii i avtomatizatsii mekhanicheskoi obrabotki. Pod red. A. A. Matalina. Leningrad, Mashgiz, 1963. 178 p.

Charnko, D. V. [Fundamentals of selecting the technical process for machining] Osnovy vybora tekhnologicheskogo protsessa mekhanicheskoi obrabotki. Moskva, Mashgiz, 1963. 319 p.

Inside system connections of the machine tool-attachment-cutting tool-part system. N. V. Zharlikov. Mashinostroenie no. 5:22-24 S-O '63.

[Multiple machining of parts] Gruppovoi metod obrabotki detalei. [Orel] Orlovskoe knizhnoe izd-vo, 1963. 48 p.

Physical bases of super-high speed metal cutting. M. I. Klushin. Trudy GPI 17 no. 4:15-22 '61.

Possibility of cutting metals and alloys in a hot state. S. A Dovnar. Dokl. AN BSSR 7 no. 5:344-346 My '63

Tomchin, G. I. [Multitool adjustments; theory and design] Mnogoinstrumentnye naladki, teoriia i raschet Izd. 2., ispr. Moskva, Mashgiz, 1963. 542 p.

METAL CUTTING—PRODUCTION STANDARDS

Minovskii, A. I. [Potentials in the use of machine-tool equipment] Rezervy ispol'zovaniia stanochnogo oborudovaniia. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963. 96 p.

METAL CUTTING, ELECTRIC see Electric metal cutting

METAL-CUTTING TOOLS

Cutter for machining trapezoid threads. G. G. Zaikin. Mashinostroitel' no. 10:25 O '63.

Cutter with a free chip outlet. G. G. Mironov. Mashinostroitel' no. 10:25 O '63.

Effect of grinding conditions on the strength of metal-cutting tools. M. Z. Zav'ialov. Trudy GPI 17 no. 4:5-14 '61.

Effect of the curvature radius at the base of a saw tooth and the material of which it is made on the durability of circular saws for hot metal cutting. V. M. Grebenik, V. V. Tatarnikov. Izv. vys. ucheb. zav.; chern. met. 6 no. 10:169-177 '63.

Hard-alloy cutters for machining dies. S. I. Efremov. Mashinostroitel' no. 10:24 O '63.

Karatygin, A. M., and B. S. Korshunov. [Grinding and lapping metal-cutting tools] Zatochka i dovodka rezhushchego instrumenta. Izd. 2., perer. i dop. Moskva, Mashgiz, 1963. 270 p.

N. F. Ostroverkhov's cutter. B. F. Gavrilenko. Mashinostroitel' no. 10:24 O '63.

Tangential cutting tools for cutting large shavings. T. V. Varman, E. N. Gulida. Mashinostroenie no. 5:33-34 S-O '63.

METAL DETECTORS

Metal detector for the control of asbestos ores. S. G. Makhnev, E. I. Argunov, A. M. Islamkulov. Trudy NIIasbest no. 2:110-116 '62.

METAL INDUSTRIES

Committee on ferrous and nonferrous metallurgy in the State Planning Commission of the U. S. S. R. V. I. Bryzov. Ogneupory 28 no. 12:536-537 '63.

Influence of the structure of industrial production on the correlation between capital assets and the industrial production of the U. S. S. R. IU. M. Kanygin. Vest. Mosk. un. Ser. 8: Ekon., filos. 18 no. 6:27-37 N-D '63.

METAL INDUSTRIES—COSTS

Militeev, M. G. [Planning, accounting, and calculation of production costs in metalworking enterprises] Planirovanie, uchet i kal'kulirovanie sebestoimosti produktsii metalloobrabatyvaiushchikh predpriiatii. [Moskva] Gosmestpromizdat, 1962. 111 p. (MH)

METAL INDUSTRIES—MANAGEMENT

Be responsible for production. M. Rodionov. Sov. profsoiuzy 19 no. 18:8-9 S '63.

METAL POWDER PRODUCTS

Character of the distribution of the oxide phase in SAP [sintered aluminum powder]. A. I. Paisov, L. N. Sergeeva. Trudy MATI no. 57:136-138 '63.

Structural changes during the heating of SAP [sintered aluminum powder]. A. I. Paisov, G. N. Shlenskii, L. N. Sergeeva. Trudy MATI no. 57 127-134 '63.

METAL POWDER PRODUCTS—WELDING

Comparative evaluation of the weldability by resistance welding of clad and nonclad SAP [sintered aluminum powder]. Trudy MATI no. 57:114-119 '63.

Technology of electric spot and roll welding of clad SAP [sintered aluminum powder]. B. D. Orlov, IU. V. Dmitriev. Trudy MATI no. 57:120-126 '63.

METAL POWDERS

Cladding of SAP [sintered aluminum powder]. A. I. Kolpashnikov, IU. V. Dmitriev, G. N. Shlenskii. Trudy MATI no. 57:99-103 '63.

Electron microscopy of SAP [sintered aluminum powder] with the help of coal replicas. A. I. Paisov. Trudy MATI no. 57:95-98 '63.

METAL REINFORCED PLASTICS

Kondrat'ev, IU. P. [Industrial equipment of metal reinforced plastics] Tekhnologicheskaia osnastka iz metallo plastmass. Leningrad, Sudpromgiz, 1963. 193 p.

METAL SPRAYING

Airtightening welded joints in thin-walled cast iron parts by metal spraying. M. P. Zabedovskii, N. V. Zgushnikov, V. S. Kovalev. Svar. proizv. no. 6 20-21 Je '63.

Asriiants, A. I. [Reconditioning parts by metallization] Vosstanovlenie detalei metallizatsiei; po kursu "Proizvodstvo i remont avtomobilei" (uchebnoe posobie). Pod red. V. V. Efremova. Moskva, Rosvuzizdat, 1963. 24 p.

METAL SPRAYING—EQUIPMENT AND SUPPLIES

Heat exchange in the spray gun of a gas metallizing apparatus. M. E. Morozov. Trudy VNIIAvtogen no. 9:100-110 '63.

METALATION

Preparation of a conducting plastic material. Part 1: Copper coating of polystyrene. V. I. Shorokhova, L. L. Kuz'min. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:816-822 '63

METALLIC FILMS

Use of printed circuits in preparing memory elements from thin metallic films. D. G. Chigvinadze, V. A. Shukhman. Prib. i tekh. eksp. 8 no. 5:223 S-O '63.

METALLIC OXIDES

Kinetics of the interaction of the oxides of magnesium, silicon, and aluminum with melts of the ternary system $CaO - SiO_2 - Al_2O_3$. P. M. Shurygin, B. N. Boronenkov. Ogneupory 28 no. 12:561-565 '63.

METALLOGRAPHY

Effect of the shape of conjugated surfaces on the structure and properties of seam metal in case of a resistance butt welding. A. M. Dzhafarov. Za tekh. prog. 3 no. 7:20-22 Jl '63.

Investigating nonmetallic inclusions by the microspectral method. N. V. Korolev and others. Sbor. trud. TSNIICHM no. 32:138-141 '63.

Livshits, B. G. [Metallography] Metallografiia. Moskva, Metallurgizdat, 1963. 422 p.

Method of studying disperse phases by electron microscopy. A. V. Smirnova. Sbor. trud. TSNIICHM no. 32: 25-35 '63.

METALLURGICAL ANALYSIS

Selecting the operating conditions of an alternating current arc for solving certain analytical problems. V. P. Borzov. Zav. lab. 29 no. 11:1380-1382 '63.

"Technical analysis in metallurgy" by P. IA. IAkovlev, E. F. IAkovleva. Reviewed by A. I. Ponomarev, L. L. Lapchinskaia. Zav. lab. 29 no. 11:1402 '63.

METALLURGICAL FURNACES—EQUIPMENT AND SUPPLIES

Increasing the durability of the charging equipment. A. L. Dikalov, A. V. Leonova, D. A. Storozhik. Metallurg 8 no. 10:10-12 O '63.

METALLURGICAL LABORATORIES see subdivision under Chelyabinsk

METALLURGICAL PLANTS see subdivision under Zhdanov (Donets Basin)

METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION (see also subdivision under Chimkent)

Special features of establishing norms for building operations in ferrous metallurgy. R. Tikidzhiev. Ekon. stroi. no. 11:28-34 N '63.

METALLURGICAL PLANTS—EQUIPMENT AND SUPPLIES

Our practice in making visual aids. I. A. Orobinskii. Sred. spets. obr. 10 no. 11:50-52 N '63.

METALLURGICAL PLANTS—INFORMATION SERVICES

Technological information and propaganda in a plant. O. I. Goncharova. Opyt rab. po tekh. inform. i prop. no. 1:13-16 '63.

Work practices of technological information specialists at the Mundybash Plant. A. M. Gerasimov. Opyt rab. po tekh. inform. i prop. no. 3:14-16 '63.

METALLURGY

Barinov, N. A., A. F. Landa, and P. S. Pautynskii. [Technology of metals] Tekhnologiia metallov. Pod red. N. A. Barinova. Moskva, Metallurgizdat, 1963. 554 p.

METALLURGY—ABSTRACTS

[Metallurgy] Ref. zhur. Met. no 11 N '63. Predmetnyi ukazatel' za 1962 g

METALLURGY—HYGIENIC ASPECTS

Apropos N. I. Volkova's article "Hygienic characteristics of some cases of the use of radioactive isotopes at blast-furnace plants." Kh. A. Ekhviart. Gig. truda i prof. zab. 7 no 1:60 Ja '63.

N. I. Volkova's answer to Kh. A. Ekhviart's comments. Gig. truda i prof. zab. 7 no. 1:60-61 Ja '63.

METALLURGY—TABLES, CALCULATIONS, ETC

Stoichiometric and heat calculations in the oxygen-enriched smelting of copper sulfide concentrates. F. G. Egorov, Iu. A. Bykhovskii, L. M. Bochkarev. TSvet met. 36 no. 10:30-34 O '63.

METALS

(see also subdivision under Norilʹsk region, White Russia)

Effect of small additions of metals on the surface phenomena during hot lead plating. Report No. 2 N. N. Gratsianskii, A. K. Riabov, V. V. Tobolich Ukr. khim. zhur. 29 no. 11:1219-1222 '63

Pitting corrosion of metals. IA. M. Kolotyrkin. Khim. prom. no. 9:678-686 S '63.

Studying metal supply volume and composition in the Union Republics. A. Genesin. Plan. khoz. 40 no. 12: 25-31 D '63.

METALS—ANALYSIS

Development of the methods of ion exchange in the analytical chemistry of metals (survey). S. M. Chernobrov. Zav. lab. 29 no. 11:1281-1288 '63.

Temperature-deformation rate factor in the evaluation of metal plasticity by the method of torsion. L. T. Timoshuk, N. I. Nistratov. Zav. lab. 29 no. 10:1225-1228 '63.

METALS—COLORING

Revealing the primary structure of steel by the color metallography method. G. P. Gromova, P. M. Zhurenkov, I. V. Likhnova. Sbor. trud. TSNIICHM no. 32:100-102 '63.

METALS—DENSITY

Apparatus for determining small changes in the density of metals. IU. P. Liberov. Zav. lab. 29 no. 10 1261-1262 '63.

METALS—FATIGUE

Ivanova, V. S. [Fatigue failure of metals] Ustalostnoe razrushenie metallov. Moskva, Metallurgizdat, 1963. 272 p.

Methods of fatigue testing at high temperatures. S. V. Serensen, L. A. Kozlov. Zav. lab. 29 no. 11:1359-1365 '63.

METALS—FINISHING

[illegible]uer coating of tinned sheet [illegible]Kona, i ov. prom.

[illegible] F. Landa, and P. S. Pautynskii. [Metals] Tekhnologiia metallov. Pod [illegible]ova. Moskva, Metallurgizdat, 1963.

metalloved. 16 no. 4:632-634 O '63.

METALS—HEAT TREATMENT

(see also subdivision under Kramatorsk)

Fast heating and cooling conditions in the heat treatment of large forgings. A. I. Kondrashev, K. F. Gurzhienko, N. M. Kolesnik. Sbor. Novo-Kram. mashinostroi. zav. no. 5:46-61 '59.

Investigating fast heating of ingots chilled in the range of negative temperatures. N. K. Golubiatnikov, N. T. Litenko. Sbor. Novo-Kram. mashinostroi. zav. no. 5: 23-36 '59.

Thermomechanical treatment of machine parts to protect them from the weakening effects of surface-active media. M. I. Chaevskii, V. F. Shatinskii, V. V. Popovich. Dokl. AN SSSR 152 no. 5:1096-1099 O '63.

METALS—PICKLING

Modern methods for heating pickling solutions. A. S. Lukʹianchikov, A. E. Erinov. Mashinostroenie no. 6: 60-63 N-D '63.

METALS—TESTING

Dynamic errors in the measurement of stress applied to a specimen during fatigue testing on a 300/600-ton hydraulic pulsator. V. S. Zoteev, L. T. Timoshuk. Sbor. trud. TSNIICHM no. 32 182-191 '63.

Evaluating the industrial plasticity of a metal by torsion of the specimen at high temperatures. E. A. Kurganova, N. I. Nistratov, L. A. Ermoliuk. Sbor. trud. TSNIICHM no. 32:175-181 '63.

Processing the results of tests for stress relaxation in metals A. M. Borzdyka Zav. lab. 29 no. 11:1357-1359 '63.

Rakhman, B. M. [Determining relaxation characteristics on bolted joint models] Opredelenie kharakteristik relaksatsii na modeliakh boltovykh soedinenii. Leningard, 1963. 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Serila Metallovedenie i termicheskaia obrabotka, no 2)

Testing for relaxation at high temperatures. L. B. Getsov. Zav. lab. 29 no. 11:1352-1354 '63.

X-ray spectroscopy of moving samples using electron-optical converters. S. T. Nazarov. Zav. lab. 29 no. 10 1198-1200 '63.

METALS, EFFECT OF RADIATION ON

Estimation of the neutron irradiation dose capable of changing the mechanical properties of pure metals. V. K. Adamovich. Atom. energ. 15 no. 5:430-432 N '63.

Ivanov, A. N., and N. F. Pravdiuk. [Effect of neutron irradiation on the electric resistance of certain metals] Vliianie neitronnogo oblucheniia na elektrosoprotivlenie nekotorykh metallov. Moskva, In-t atomnoi energii im. I. V. Kurchatova, 1960. 23 p.

METALS, EFFECT OF TEMPERATURE ON

Effect of the welding heat on the microstructure and properties of 21-3 and 21-5 type steels. N. I. Kakhovskii, K. A. Ushchenko. Avtom. svar. 16 no. 10:15-25 O '63.

Investigating Mg-Mn and Mg-Zr alloys obtained during quenching from melts. N. I. Varin, B. N. Litvin. Fiz. met. i metalloved. 16 no. 4:526-529 O '63.

Structural changes during the heating of SAP [sintered aluminum powder]. A. I. Pafsov, G. N. Shlenskii, L. N. Sergeeva. Trudy MATI no. 57:127-134 '63.

Thermal expansion of Al-Mn and Al-Cr alloys. L. M. Burov, N. I. Varich. Fiz. met. i metalloved. 16 no. 4: 530-534 O '63.

METALS, SUBSTITUTES FOR

Suchkov, A. E. [Conserve and economize on the use of metal] Berechʹ i ekonomitʹ metall. Minsk, Gosizdat BSSR, 1963. 47 p.

METALS AT HIGH TEMPERATURES

Effect of inclusions on the plasticity of steel at high temperatures. M. I. Vinograd, G. P. Gromova. Sbor. trud. TSNIICHM no. 32:5-21 '63.

Methods of fatigue testing at high temperatures. S. V. Serensen, L. A. Kozlov. Zav. lab. 29 no. 11:1359-1365 '63.

Testing of high-melting metals and alloys for stress-rupture strength at temperatures up to 1600° C. B. M. Ovsiannikov and others. Sbor. trud. TSNIICHM no. 32: 164-174 '63.

X-ray study of a chromium structure at 40-726° C. IU. N. Smirnov, V. A. Finkelʹ. Fiz. met. i metalloved. 16 no. 4:637 O '63.

METALS AT LOW TEMPERATURES

Low-temperature internal friction in pure iron. V. Morgner, IU. S. Avraamov. Fiz. met. i metalloved. 16 no. 4:635 O '63.

Volt-ampere characteristics of bismuth at low temperatures in a magnetic field. B. S. Borisov and others. [illegible] metalloved. 16 no. 4,624-626 O '63.

Osher, R. N. [Production and use of lubricating and cooling fluids (for metal cutting)] Proizvodstvo i primenenie smazochno-okhlazhdaiushchikh zhidkostei (dlia obrabotki metallov rezaniem) Izd. 3, perer i dop. Pod red P. A. Rebindera. Moskva, Gostoptekhizdat, 1963. 225 p.

Possibility of using sodium stearate and its substitutes as lubricants in the extrusion of light alloys. I. P. TSipulin Trudy MATI no. 57:27-39 '63.

METAMORPHISM (GEOLOGY)

(see also subdivision under Siberian Platform)

Facies of regional epigenesis and metagenesis. A. G. Kossovskaia, V. D. Shutov. Izv. AN SSSR. Ser. geol. 28 no. 7:3-18 Jl '63.

Possible form of the transportation of silica in hydrothermal fluids. I. G. Ganeev. Sov. geol. 6 no. 12 103-111 D '63.

Products of metamorphism in the area of contact between kimberlites, enclosing rocks, and inclusions. V. G. Zolʹnikov. Trudy IAFAN AN SSSR. Ser. geol. no. 9 85-97 '63.

METASTASIS

Late tumors in dogs following the introduction of chemical carcinogens into bones [with summary in English]. N. A. Krotkina, M. A. Achkasova. Vop. onk. 9 no. 7 15-21 '63.

Regional metastatic spreading of cancer of the cervix uteri [with summary in English]. V. N. Kiseleva. Akush. i gin. 39 no. 4 41-46 Jl-Ag '63.

Thrombopenic anemia with erythroblastosis in gastric cancer with metastases into the bone marrow. S. V. Kagramanov, IU. G. IUdin. Vop. klin. pat. no 2:285-290 '61.

METEORITES

(see also subdivision under Ashikhakud; Podkamennaya Tunguska Valley; Turkmenistan)

Bronshten, V. A. [Problems of the motion of large meteorites in the atmosphere] Problemy dvizheniia v atmosfere krupnykh meteoritnykh tel. Moskva, Izd-vo Akad. nauk SSSR, 1963. 122 p.

First photographs of ionization tracks of meteorites in the U. S. S. R. A. P. Savrukhin. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:127-128 '62.

METEOROLOGICAL INSTRUMENTS

Infrared hygrometer IKG-1 for humidity measurements. Prib. i tekh. eksp. 8 no. 5,227 S-O '63.

METEOROLOGICAL RESEARCH see subdivision under Antarctic regions

METEOROLOGY see subdivision under Bayramali (Turkmenistan)

METEOROLOGY—CHARTS, DIAGRAMS, ETC

Type SIT-2k device for drawing the temperature chart of a locality. I. D. Konozenko, Zh. A. Zaike. Izv. AN SSSR. Ser. geofiz. no. 11:1758-1761 N '63.

METEOROLOGY—OBSERVATIONS see subdivision under Polar regions

METEOROLOGY, AGRICULTURAL see subdivision under Brilevka region

METEOROLOGY, MARITIME

Method of determining the optimum course of a vessel according to time criteria taking into account concrete forecasts. G. I. Ukhanov, IU. M. Filippov. Trudy TSNIIMF 8 no. 47:114-119 '63.

METEOROLOGY IN AERONAUTICS

Nauchnaia konferentsiia po voprosam aviatsionnoi meteorologii, Moscow, 1960. [Materials of the Conference on Aviation Meteorology] Materialy Nauchnoi konferentsii po aviatsionnoi meteorologii. Pod red. I. G. Pchelko. Moskva, Gidrometeoizdat, 1963. 127 p.

METEORS

Ice from outer space. O. Danylov. Ukraina no. 12:32 Je '62.

Radio echo method for determining radiants and velocities of individual meteors. R. P. Chebotarev. Izv. vys. ucheb. zav.; radiotekh. 6 no. 5:533-536 S-O '63.

Vsekhsviatskyĭ, S. K. [Origin and development of comets and other minor bodies] IAk vynykaiutʹ i rozvyvaiutʹsia komety ta inshi maiі tila. [Kyiv] Vyd-vo Kyivsʹkoho univ., 1963. 93 p.

METHANE

Kinetics of the thermal decomposition of methane by a single-pulse shock tube [with summary in English]. G. I. Kozlov, V. G. Knorre. Zhur. fiz. khim. 37 no. 8: 2082-2086 S '63.

Krepis, I. B. [Fuel and fertilizer plants] Fabriki topliva i udobrenii. Moskva, Izd-vo "Znanie," 1963. 29 p. (Novoe v zhizni, nauke, tekhnike. V. Serila: Selʹskoe khoziaistvo, no. 18)

Structure of the inclusion complexes of trifluoronitromethane with unsaturated compounds and the mechanism of their formation. V. A. Ginsburg and others. Dokl. AN SSSR 152 no. 5:1104-1107 O '63.

METHANE—SPECTRA

Use of the method of perturbations in analyzing the vibrations of monodeuteromethane and the plane vibrations of ethylene. B. L. Livshits, N. A. Chumaevskii. Opt. i spektr. 15 no. 5:609-616 N '63.

METHANOL

Effect of potassium addition on the rate of regeneration of a zinc-chromium catalyst. IA. V. Zhigailo, L. I. Shpak. Khim. prom. no. 8 591-593 Ag '63.

Kinetics of the contact oxidation of methyl alcohol to formaldehyde on a silver catalyst. V. I. Atroshchenko, I. P. Kushnarenko. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:774-780 '63

MEXICO—FOREIGN ECONOMIC RELATIONS—UNITED STATES

Alliance against progress" and Mexico. IU. M. Lilin. Vop. ist. 38 no. 11:181-182 N '64.

MEXICO—LABOR AND LABORING CLASSES

Among Mexican workers. A. Pavlenko. Nov. vrem. 21 no. 46:22-24 N '63.

MEXICO—PHILOSOPHY—CONGRESSES

Triumph of materialism and the decline of bourgeois philosophy. P. Fedoseev. Kommunist 40 no. 16:37-47 N '63.

MEXICO—SOCIAL CONDITIONS

Among Mexican workers. A. Pavlenko. Nov. vrem. 21 no. 46:22-24 N '63.

MEZHOV, VLADIMIR IZMAILOVICH, 1831-1894

"Siberian bibliography." Em. T Sipel'zon. V mire knig 3 no. 11:48 N '63.

MICE AS CARRIERS OF DISEASE see subdivision under Slovakia

MICELLES

Filtration of micelles R. I Spinov Masl.-zhir. prom. 28 no 10 32-34 O '62

Relation between the critical concentration in micellic formation and the surface activity of the aqueous solutions of primary and secondary alkyl sulfate mixtures. M. P. Besplatov, Zh. IA. Leshchenko. Trudy NIISZHIMSa no. 3 41-49 '62.

MICHURIN, IVAN VLADIMIROVICH, 1855-1935

Vsesoiuznaia Akademiia sel'skokhoziaistvennykh nauk imeni V. I. Lenina. [Progress of science in stockbreeding; reports at the jubilee session of the Academy of Sciences of the U. S. S. R. and the All-Union Academy of Agricultural Sciences devoted to the centenary of the birth of I. V. Michurin (1955)] Dostizhenila nauki v zhivotnovodstve; doklady na iubileinoi sessii Akademii nauk SSSR i Vsesoiuznoi Akademii sel'skokhoziaistvennykh nauk imeni V. I. Lenina, posviashchenoi 100-letiiu so dnia rozhdeniia I. V. Michurina (1955 g.) Moskva, Gos. izd-vo sel'khoz. lit-ry, 1959. 302 p. (WU)

MICROBALANCE

Balance with automatic compensation for susceptibility measurement. I. V. Svechkarev. Prib. i tekh. eksp. 8 no. 4:142-143 Jl-Ag '63.

MICROBIOLOGY

Microbiological 20 α-reduction of keto steroids with the aid of Bacillus megatherium. N. N. Suvorov and others. Dokl. AN SSSR 152 no. 5:1130-1131 O '63.

MICROCHEMISTRY

Direct determination of oxygen in organic compounds by the method of microanalysis. IU. A. Mandrykina. Trudy VNIGRI no. 212. Geokhim. sbor. no. 8:230-233 '63.

MICROCIDE

Dynamics of the biosynthesis of microcide (glucose oxidase) on media with glucose and saccharose [with summary in English]. O. O. Nikol'ska and others. Mikrobiol. zhur. 25 no. 5:36-42 '63.

MICROCINEMATOGRAPHY

Characteristics of cementite decomposition in hypereutectoid steel. V. M. Finkel', V. A. Zraichenko, T. K. Delashkina. Izv. vys. ucheb. zav.; chern. met. 6 no. 10:95-100 '63.

MICROCLIMATOLOGY

Microclimate and the viability of young growth in cutovers. A. A. Gaas. Les. khoz. 16 no. 9:18-20 S '63.

MICRO-ORGANISMS, NITROGEN-FIXING see subdivision under Kazakhstan

MICROPALEONTOLOGY

Fauna in crystals. N. P. Malakhova. Priroda 52 no. 10:109-111 '63.

MICROPHOTOMETER

Chromatographic method of quantitative analysis of a mixture of higher fatty acids with the use of the MF-4 microphotometer. N. V. Vorob'ev. Masl.-zhir. prom. 29 no. 11:22-26 N '63.

MICROSCOPE

Microscope shows us the secrets of life. M. Halushko. Ukraina no. 12:12 Je '62.

MICROSCOPY

Review of Gy. Kiszely's book "Practical microtechnique and biochemistry." G. V. Orlovskaia. Arkh. pat. 25 no. 7:89-91 '63.

MICROSCOPY—EQUIPMENT AND SUPPLIES

Preparation of corundum microsections. N. M. Pavlushkin. Trudy MIKHTI no. 37 185-189 '62.

MICROSCOPY—STUDY AND TEACHING

How we use our microscope. I. A. Pokrovskii. Sred. spets. obr. 10 no. 11:57 N '63.

MICROSEISMS

Swell, head wind, and microseisms. V. N. Tabulevich. Izv. AN SSSR. Ser. geofiz. no. 11:1667-1675 N '63.

Use of long-period microseisms for obtaining information about oceanic storms. T. I. Monakhov. Dokl. AN SSSR 153 no. 2:321-322 N '63.

MICROSPECTROPHOTOMETRY

Monochromators for microspectrophotometers. L. S. Agroskin, N. V. Korolev. Prib. i tekh. eksp. 8 no. 4:135-138 Jl-Ag '63.

MICROWAVE MEASUREMENTS

Measurement of the parameters of variable capacitance diodes at ultrahigh frequencies. V. V. Borzenko, G. V. Bagrov. Izv. vys. ucheb. zav.; radiotekh. 6 no. 5 575-576 S-O '63.

Variable-length coaxial cylindrical cavity for the determination of electromagnetic parameters of materials at normal and high temperatures. A. F. Kugaevskii. Izm. tekh. no. 11:44-45 N '63.

MICROWAVE SPECTROSCOPY

Microwave spectrometer for determining the water vapor content in ethylene and other noncorrosive gaseous media. Prib. i tekh. eksp. 8 no. 5:226 S-O '63.

MICROWAVES

Calculation of delay systems with finite width. A. S. Zav'ialov. Izv. vys. ucheb. zav.; radiotekh. 6 no. 5 577-578 S-O '63.

Calculation of the dispersion of a chain of toroidal cavity resonators inductively coupled through slots. L. M. Andrushko. Izv. vys. ucheb. zav.; radiotekh. 6 no. 5: 571-573 S-O '63.

Efficient regulated ferrite phase shifters. IU. V. Egorov. Izv. LETI no. 47:73-85 '62.

Excitation of a thick cylinder with finite length. E. N. Vasil'ev. Radiotekh. i elektron. 8 no. 12:1972-1979 D '63.

Gyrotropic excitation of a helical line. K. P. Ivanov. Radiotekh. i elektron. 8 no. 12:2082-2084 D '63.

Low power absolute measurements in the microwave band. V. B. Braginskii, I. I. Minakova, P. M. Stepunin. Prib. i tekh. eksp. 8 no. 5:130-133 S-O '63.

Metal-plate lense for circular polarization with potential zoning. IU. IA. IUrov, IU. E. Lavrenko. Izv. LETI no. 47:56-62 '62.

"Microwave circuits and wave propagation," by J. Voge. Reviewed by L. A. Vainshtein. Radiotekh. i elektron. 8 no. 12:2106 D '63.

Propagation of a surface wave through the bend of a plane guiding surface. V. V. Shevchenko. Radiotekh. i elektron. 8 no. 12:1988-1997 D '63.

Propagation of an H_{11} wave in a round waveguide filled with gyrotropic plasma in the finite section of its length. A. G. Sveshnikov, V. P. Modenov. Radiotekh. i elektron. 8 no. 12:1998-2005 D '63.

Srentenskii, V. N. [Principles of the use of electronic superhigh frequency devices; characteristics, study methods and evaluation of the correctness of the use of superhigh frequency devices] Osnovy primeneniia elektronnykh priborov sverkhvysokikh chastot; svoistva, metody issledovaniia i otsenka pravil'nosti primeneniia priborov SVCh. Moskva, Sovetskoe radio, 1963. 416 p.

Theory of plane horns with round edges. B. E. Kinber. Radiotekh. i elektron. 8 no. 12:2078-2082 D '63.

Two methods for microwave power stabilization. I. M. Balakitskii, A. A. Bulgakov. Radiotekhnika 18 no. 10: 63-66 O '63.

MICROWAVES—THERAPEUTIC USE

Use of microwave therapy in gastric diseases [with summary in English]. E. L. Revutskii. Vrach. delo no. 11:59-62 N '63.

MIDDLE URAL ECONOMIC REGION—ACCOUNTING

Utilizing accounting data in economic work. A. Sobianin. Bukhg. uchet 29 no. 11:6-8 N '63.

MIDWIVES

Honorary workers. Fel'd. i akush. 28 no. 11:58-60 N '63.

Role of midwives in reducing perinatal infant mortality. P. V. Styrikovich. Zdravookhranenie 6 no. 5:12-15 S-O '63.

MIEŽELAITIS, EDUARDAS, 1919-

"I praise those who create the new life." Oleksa Novyts'kyi. Ukraina no. 11 9 Je '62.

Man and the sun; on the book of verse "Man" by Eduardas Mieželaitis. Igor' Kuz'michev. Zvezda no. 5:205-207 My '62.

MIKÉNAS, JUOZAS, 1901-

Chelovmaia, S. M. Mikenas. Leningrad, Iskusstvo, 1963. 65 p. plates (MH)

MILITARISM see subdivision under Germany, West; United States

MILITARY ART AND SCIENCE

(see also subdivision under United States)

Bliukher, V. K. [V. K. Bliukher; articles and speeches] V. K. Bliukher; stat'i i rechi. Moskva, Voenizdat, 1963. 232 p.

F. Engels' development as the military theorist of the proletariat. E. TSvetaev. Voen.-ist. zhur. 5 no. 11: 106-112 N '63.

Individual and general in military affairs. I. Grudinin. Komm. Vooruzh. Sil 1 no. 23:46-52 D '63.

State of military thought in Russia in the first half of the 18th century. P. Epifanov. Voen.-ist. zhur. 5 no. 11: 112-117 N '63.

MILITARY ART AND SCIENCE—TERMINOLOGY

Bessmertnaia, N. V., A. R. Petrova, and L. A. Mlonchinskaia. [Textbook of the German language, for use in higher military schools for officers] Uchebnik nemetskogo iazyka, dlia vysshikh komandnykh voennykh uchebnykh zavedenii. Moskva, Voenizdat, 1963. 461 p.

MILITARY COMMUNICATIONS see Communications, Military

MILITARY DISCIPLINE

Borovykh, A. E. [Be an expert, a first-class specialist] Bud' otlichnikom, klassnym spetsialistom. Moskva, Voenizdat, 1963. 51 p. (Molodomu soldatu i matrosu o voinskoi sluzhbe)

Discipline is the mother of victory in battle, the basis of progress in training. I. Semiokhin. Komm. Vooruzh. Sil 4 no. 23:78-84 D '63.

MILITARY EDUCATION

(see also subdivision under Baku; Sumy)

Daily attention to leadership training of officers. M. Kazakov. Komm. Vooruzh. Sil 4 no. 23:17-23 D '63.

First experience and its lessons; notes of an instructor at a military school. IU. Rokhlin. Voen. vest. 43 no. 10:76-79 O '63.

For the purpose of propaganda of advanced experience. S. Utekhin. Komm. Vooruzh. Sil 4 no. 23:57-58 D '63.

"Individual evaluation," discussion of the article published in No. 4. M. Zhabin and others. Voen. vest. 43 no. 10:74-76 O '63.

"Individual evaluation," discussion of the article published in No. 4. N. Bugrov. Voen. vest. 43 no. 11:97 N '63.

Paramount matter. F. Podoprigora. Voen. vest. 43 no. 11:93-96 N '63.

Plan purposefully. M. Polzikov. Voen. vest. 43 no. 11: 90-93 N '63.

Self-education is the basic method. S. Kostromin, P. Shutov. Voen. vest. 43 no. 10:70-71 O '63.

Soldiers begin their service. V. Sokolov, I. Balalan. Voen. vest. 43 no. 10:71-74 O '63.

To new progress in service and training. Komm. Vooruzh. Sil 4 no. 23:3-7 D '63.

To the attack -- forward! Sov. voin. 46 no. 22:21-26 N '63.

A vast knowledge is needed for instructing and training. A. Kushnir. Voen. vest. 43 no. 10 68-70 O '63.

MILITARY EDUCATION—AUDIO-VISUAL AIDS

Special class. I. Mikhailov. Voen. vest. 43 no. 11:90-92 N '63.

MILITARY ENGINEERING

All-purpose electroexplosive net. M. Belousov. Voen. vest. 43 no. 11:114-115 N '63.

Combat training of subunits. A. Tertyshnikov. Voen. vest. 43 no. 11:107-111 N '63.

Constructing a cross-country route. A. Sliusarev. Voen. vest. 43 no. 11:111-114 N '63.

Engineer reconnaissance and the removal of obstacles from a river. D. Bogdanov. Voen. vest. 43 no. 10:96-98 O '63.

Engineer troops in the battle for the Caucasus. V. Istomin. Voen.-ist. zhur. 5 no. 10:88-90 O '63.

How to prepare a plan for carrying out an exercise. V. Gazetov. Voen. vest. 43 no. 10:102-105 O '63.

The mission is accomplished by the engineer road-construction company. M. Zubkov. Voen. vest. 43 no. 10: 98-101 O '63.

MILITARY HISTORY

Military historical problems of volumes 15-22 of the second edition of the works of K. Marks and F. Engels. L. Gol'man. Voen.-ist. zhur. 5 no. 11 99-99 N '63.

MILITARY MAPS see Maps, Military

MILITARY MOTORIZATION see Motorization, Military

MILITARY POSTS

At a far-off post. Viktor Ust'iantsev. Sov. voin. 45 no. 22:30-32 N '63.

MILITARY RADAR see Radar, Military

MILITARY RADIO see Radio, Military

MILITARY RECONNAISSANCE

Engineer reconnaissance and the removal of obstacles from a river. D. Bogdanov. Voen. vest. 43 no. 10:96-98 O '63.

Fedotov, A. S., S. P. Romanov, and M. V. Sirotkin. [Reconnaissance scouts in the rear of the enemy] Razvedchiki v tylu vraga. Moskva, Voenizdat, 1963. 205 p.

MILITARY RESEARCH see subdivision under United States

MILITARY SERVICE, COMPULSORY see subdivision under Great Britain

MILITARY SHOOTING see Shooting, Military

MILITARY STREAM CROSSING see Stream crossing, Military

MILITARY SURGERY see Surgery, Military

MILITARY TELEGRAPH

Formation of young officers. I. Manoilo. Voen. vest. 43 no. 11:117-120 N '63.

MILITARY VEHICLES see Vehicles, Military

MILK—ANALYSIS AND EXAMINATION

Electrophoretic investigation of the proteins of animal milk [with summaries in English, German, and French]. Z. Kh. Dilanian, A. A. Agababian. Vest. sel'khoz. nauki 8 no. 8:133-137 Je '63.

MILK—COMPOSITION

Markova, K. V., and A. D. Al'tman. [Factors which effect the composition of milk] Kakie faktory vliiiut na sostav moloka. Moskva, Izd-vo M-va sel'. khoz. RSFSR, 1963. 155 p.
(DNAL)

MILK—PASTEURIZATION

Complete automation of technological processes in the production of pasteurized milk in bottles. A. IA. Vainberg, L. P. Brusilovskii. Trudy VNIMI [Mol.] no. 22: 7-11 '62.

MILK—THERAPEUTIC USE

Khokhol, E. N., and P. V. Golovin, eds. [Ionized milk; its preparation and use] Ionirnoe moloko, izgotovlenie i primenenie. [By] E. N. Khokhol i dr. 2. izd. perer. i dop. Kiev, Gosmedizdat USSR, 1963. 150 p.
(DNLM)

MILK, CONDENSED

Automation of technological processes in the production of sweetened condensed milk. IA. I. Golubovich, A. M. Gusev. Trudy VNIMI [Mol.] no. 22:11-18 '62.

MILK AS FOOD

Babko, I. M. [Milk formulas for the feeding of young children] Molochni sumishi dlia vyhodovuvannia ditei rann'oho viku. Vyd. 2., pereroblene i dop. Kyiv, Derzhmedvydav URSR, 1963. 43 p.
(DNLM)

MILKING MACHINES
(see also subdivision under Ukraine)

Rotary conveyor milking units. A. A. Omel'chenko. Mashinostroenie no. 6:75-79 N-D '63.

Valve for teat cups. V. Reshetnikov. Tekh. v sel'khoz. 23 no. 9:83 S '63.

MILLET see subdivision under White Russia

MILLET AS FEED

Role of micro-organisms in raising the nutritive value of millet. D. L. Shamis and others. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:16-21 '63.

MILLING MACHINERY

Automatic grinding in ball mills. D. S. Emel'ianov and others. Mekh. i avtom. proizv. 17 no. 10:10 O '63.

Automation of the preparation of molding sand in milling machines. N. T. Zharov and others. Mashinostroenie no. 6:27-31 N-D '63.

MILLING MACHINES

Semiautomatic machine for milling center flanges in bolts, rollers, and pins. M. E. Shafinskii, B. M. TSyganovskii, N. I. Mogil'nyi. Mashinostroenie no. 6:84-86 N-D '63.

MILLING MACHINES—ATTACHMENTS

Attachment for cutting internal grooves. I. A. Il'in. Mashinostroitel' no. 10:24 O '63.

Attachment for simultaneous milling of two dies. G. M. Gromada. Mashinostroitel' no. 10 22 O '63.

Vertical milling head for horizontal milling machines. G. M. Sokolov. Mashinostroenie no. 5.30-31 S-O '63.

MILLING MACHINES—COOLING

Cooling effectiveness in milling heat-resistant nickel-base alloys. V. M. Zaitsev. Stan. i instr. 34 no. 11:31-33 N '63.

MILLING MACHINES—DESIGN AND CONSTRUCTION

Selecting basic parameters of technological characteristics in designing general-purpose milling machines. S. I. Olenichev. Trudy GPI 17 no. 4.75-93 '61.

MILLING MACHINES—NUMERICAL CONTROL

Synthesis of a system of mutually coupled channels of a heavy copying and milling machine. D. V. Vasil'ev, A. F. Taratin. Izv. LETI no. 47:220-260 '62.

MILLING MACHINES—VIBRATION

Investigating stresses and vibrations of a milling-machine table. B. I. Petlashin. Trudy GPI 17 no. 4:23-40 '61.

MILLIVOLTMETER

High-speed digital millivoltmeter. G. A. Klochkov, V. N. Khlistunov. Priborostroenie no. 11.16-20 N '63.

Nonlinear feedback in zero elements of digital millivoltmeters. A. N. Kasperovich. Priborostroenie no. 11 13-15 N '63.

MINE BUILDINGS
(see also subdivision under Turgay Gates)

Moscow. Institut gornogo dela imeni A. A. Skochinskogo. [Principles for the improvement of industrial complexes on mine surfaces] Osnovy sovershenstvovaniia tekhnologicheskikh kompleksov poverkhnosti shakht. [By] A. G. Frolov i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 135 p.

[Principles of building and mining-engineering structures] Osnovy stroitel'nogo dela i gornoinzhenernye sooruzheniia. Izd. 2., dop. i perer. [By] IA. G. Plaksin i dr. Moskva, Gosgortekhizdat, 1963. 483 p.

MINE DUSTS see subdivision under Chita Province; Kuznetsk Basin

MINE DUSTS—PREVENTION
(see also subdivision under Krasnoyarsk Territory; Noril'sk; Siberia; Siberia, Western)

Dust control in mine filling. P. G. Mikhailov. Vop. bor'., a sil. v Sib, no. 1:75-81 '61.

MINE HAULAGE

Automatic mine traction substation equipped with semiconductors. V. Kh. Pirozhenko, G. V. Linchevskii, N. T. Nikolaenko. Avtom. i prib. no. 4:10-13 O-D '63.

Erecting steel structures of a conveyor bridge. S. Rabinovich, P. Tarushkin. Prom. stroi. i inzh. soor. 5 no. 5.29-35 S-O '63.

Possible flow sheets for the mining of inclined and steeply pitching seams using gravity haulage. V. G. Kiselev, A. I. Kuprin. Trudy VNIIGidrouglia no. 1:64-68 '62.

Shtokman, I. G., L. I. Eppel', and A. M. Filippov. [Operation of underground conveyers] Ekspluatatsiia podzemnykh konveierov. Moskva, Gosgortekhizdat, 1963. 202 p.

Ursulov, I. M. [Underground mine haulage]. Shakhtnyi podzemnyi transport. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1963. 237 p.

MINE HAULAGE—EQUIPMENT AND SUPPLIES see subdivision under Kramatorsk

MINE PUMPS

Characteristics of the design and calculation of self-operating coal suction pumps for hydraulic mines. P. P. Vershinin. Trudy VNIIGidrouglia no. 1:69-80 '62.

MINE PUMPS—DESIGN AND CONSTRUCTION

Using capron for coal suction pumping machinery elements and the technology of their manufacture. V. A. Tat'kov, P. I. IUrin. Trudy VNIIGidrouglia no. 1:81-89 '62.

MINE RAILROADS

Kokurin, V. A. [Assistant engineer of electric locomotives in open-cut mines] Pomoshchnik mashinista elektrovoza na kar'erakh. Moskva, Gosgortekhizdat, 1963. 282 p.

MINE ROOF BOLTING

Chamber mining with roof support by removable bolts. N. G. Luk'ianov. Khim. prom. no. 9:710-712 S '63.

MINE SURVEYING

Leningrad. Vsesoiuznyi nauchno-issledovatel'skii Markshelderskii Institut. [Collection of annotations of scientific research work carried out by the All-Union Scientific Research Institute of Mine Surveying in 1961] Sbornik annotatsii nauchno-issledovatel'skikh rabot, vypolnennykh VNIMI v 1961 godu. Leningrad, 1962. 80 p.

MINE TIMBERING

Sublevel hydraulic coal breaking system with powered collapsible metal supports and their mechanized assembly in the erection area. B. A. Teodorovich and others. Trudy VNIIGidrouglia no. 1.25-32 '62.

MINE VENTILATION

Bitkolov, N. Z., and V. S. Nikitin. [Ventilation of open pit mines] Provetrivanie kar'erov. Moskva, Gosgortekhizdat, 1963. 251 p.

MINERAL INDUSTRIES see subdivision under Bashkesan

MINERAL INDUSTRIES—ACCOUNTING see subdivision under Bilibino District

MINERAL INDUSTRIES—HYGIENIC ASPECTS see subdivision under Irkutsk

MINERAL METABOLISM

Materials on mineral and protein metabolism of the bony tissue of the jaw. A. A. Prokhonchukov, N. A. Zhizhina. Teor. i prak. stom. no. 5 157-164 '61.

MINERAL WATERS
(see also subdivision under Azerbaijan; Verkhoyansk Range)

Universal formula for the calculation of the solubility of gases in mineral waters. M. R. Lozovskii, B. IA. Rozen. Inform. sbor. NIIGA no. 30:62-66 '62.

MINERAL WATERS, SULFUROUS see subdivision under Bol'shezemel'skaya Tundra

MINERALOGICAL CHEMISTRY

Fluoride transfer of beryllium in supercritical (vapor) solutions. B. P. Sobolev, V. P. Pashutin. Trudy IMGRE no. 16:44-48 '63.

Fluoride transfer of tantalum in supercritical (vapor) solutions. V. P. Pashutin, B. P. Sobolev. Trudy IMGRE no. 16:49-52 '63.

Geochemistry of authigenic minerals in sedimentary rocks. G. I. Teodorovich. Sov. geol. 6 no. 12:3-18 D '63.

Improved conductometric method for the determination of carbonic acid microquantities in gas-liquid inclusions of minerals. D. N. Khitarov, I. P. Vovk. Trudy IMGRE no. 16:142-146 '63.

Lead-bismuth sulfo salts and isomorphic substitution of selenium for sulfur in them. A. IU. Malevskii, T. L. Rikhter, G. I. Veres. Trudy IMGRE no. 16:30-43 '63.

MINERALOGY

Akademiia nauk URSR, Kiev. Ukrainskoe otdelenie Vsesoiuznogo mineralogicheskogo obshchestva. [Theoretical and genetic problems of mineralogy and geochemistry] Teoreticheskie i geneticheskie voprosy mineralogii i geokhimii. Kiev, Izd-vo Akad. nauk USSR, 1963. 165 p.

Efficient method for compiling maps of areas of mineral concentrates. M. A. Krutoyarskii. Trudy IAFAN AN SSSR. Ser. geol. no. 9:155-161 '63.

First symposium on the Study of Gas-Fluid Inclusions in Minerals. Sov. geol. 6 no. 12:150-156 D '63.

"Petroleum drops" in mineral crystals. L. N. Kapchenko. Trudy VNIGRI no. 212. Geokhim. sbor. no. 3:57-65 '63.

Possibilities of using the pressing-in method for testing the microhardness of minerals. S. I. Lebedeva. Trudy IMGRE no. 16:116-123 '63.

Quantitative spectrum determination of nickel, cobalt, and copper in ore and minerals. R. S. Rubinovich, N. IA. Zolotareva. Inform. sbor. NIIGA no. 30:52-62 '62.

Use of the autoradiographic method in genetic mineralogy, geochemistry, and crystallomorphology. D. A. Minaev. Trudy IMGRE no. 16:60-64 '63.

MINERALOGY, DETERMINATIVE

Device for the study of mineral microgranules on the Fedorov universal stage without preparing thin sections. V. G. Feklichev. Trudy IMGRE no. 16:139-141 '63.

Joint flame photometric determination of strontium, calcium, and barium in natural samples. E. A. Fabrikova, A. G. Isaeva. Trudy IMGRE no. 16:175-185 '63.

MINERALS see subdivision under Kuznetsk Basin

MINERALS—DENSITY

Using a method for the determination of the specific gravity of minerals from a weighed microquantity. S. I. Lebedeva, G. G. Prokhorova. Trudy IMGRE no. 16: 133-138 '63.

MINERALS IN SOIL
(see also subdivision under Mali; Transbaikalia)

Zonal characteristics of the weathering of mountain rocks and the formation of secondary fine-grained minerals. I. N. Antipov-Karataev, I. G. TSiurupa. Pochvovedenie no. 10:14-22 O '63.

MINERALS IN THE BODY

Daytime and nighttime urinary excretion of macroelements and microelements by practically healthy people [with summary in English]. V. K. Zaparin, N. M. Gubin. Vrach. delo no. 11:74-76 N '63

MINERS—DISEASES AND HYGIENE
(see also subdivision under Donets Basin; Siberia)
Treatment and prophylaxis of bursitis in miners. S. D. Reznik. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 14 109-114 '59.

MINERS—EDUCATION AND TRAINING see subdivision under Samarkand Province

MINES AND MINERAL RESOURCES
(see also subdivision under Armenia; Donetsk Province; Gridoy Tikich Valley; Noril'sk; Russia, Northern)
Formulation and solution of a problem on nonlinear mathematical programming. P. T. Reznikovskii, V. I. Rybtsov, V. A. Chalanov. Izv. AN SSSR. Tekh. kib. no. 5:121-132 S-O '63.
Successes of hydrotransportation. Priroda 52 no. 10: 111-112 '63.

MINES AND MINERAL RESOURCES—MAPS see subdivision under Yakutia

MINIATURE ELECTRONIC EQUIPMENT
Design of a microelement with distributed RC links. T. M. Agakhanian. Radiotekhnika 18 no. 10:67-72 O '63.
Microminiaturization. M. Likhachev. Radio no. 11:28 N '63.
One micron size triode. M. Korolev. IUn. tekh. 8 no. 11:76-77 N '63.
Transistor technology and miniature electronic equipment. IA. Fedotov. Radio no. 11:20-32 N '63.

MINIATURE PAINTING, INDIC
Akademiia nauk SSSR. Institut narodov Azii. [Album of Indic and Persian miniatures from the 16th to the 18th century] Al'bom indiiskikh i persidskikh miniatur XVI-XVIII vv. Vstup. stat'i A. A. Ivanova, T. V. Grek, O. F. Akimushkina. Pod red. L. T. Giuzal'iana. Moskva, Izd-vo vostochnoi lit-ry, 1962. 81 p. 110 plates. (Vostochnaia miniatiura i kalligrafiia v Leningradskikh sobraniiakh)

MINIATURE PAINTING, PERSIAN
Akademiia nauk SSSR. Institut narodov Azii. [Album of Indic and Persian miniatures from the 16th to the 18th century] Al'bom indiiskikh i persidskikh miniatur XVI-XVIII vv. Vstup. stat'i A. A. Ivanova, T. V. Grek, O. F. Akimushkina. Pod red. L. T. Giuzal'iana. Moskva, Izd-vo vostochnoi lit-ry, 1962. 81 p. 110 plates. (Vostochnaia miniatiura i kalligrafiia v Leningradskikh sobraniiakh)

MINING ENGINEERING
Arukula, Ploino, Helmut Kasogalu, and Jaan Kuusik. [Mining engineering] Kaevurindus. Tallinn, Eesti Riiklik Kirjastus, 1963. 393 p. [In Estonian]
Bolatov, V. F. [Boring machine operator in underground mining] Mashinist burovykh stankov na podzemnykh gornykh rabotakh. Moskva, Gosgortekhizdat, 1963. 147 p.
Maksimov, A. P. [Bulging of rocks and the stability of underground workings] Vydavlivanie gornykh porod i ustoichivost' podzemnykh vyrabotok. Moskva, Gosgortekhizdat, 1963. 143 p.
Pokrovskii, N. M. [Building and modernization of mines] Sooruzhenie i rekonstruktsiia gornykh vyrabotok. Izd. 5. Moskva, Gosgortekhizdat.
Pt. 3. [Special methods of building and modernizing mines] Spetsial'nye sposoby sooruzhenila i rekonstruktsiia vyrabotok. 1963. 313 p.
Problem of estimating the stability of unsupported shafts of circular cross section. M. A. Dolgikh, K. V. Ruppeneit. Osn., fund. i mekh. grun. 5 no. 6:16-19 '63.

MINING ENGINEERING—ABSTRACTS
[Mining] Ref. zhur.: Gor. delo no. 11 N '63.

MINING ENGINEERING—SAFETY MEASURES
Bykhovskii, A. V. [Hygienic problems in underground mining of uranium ore] Gigienicheskie voprosy pri podzemnoi razrabotke uranovykh ryd. Moskva, Medgiz, 1963. 328 p.

MINING MACHINERY
(see also subdivision under Krivoy Rog Basin)
Noncontact remote control of magnetic starters of mining machinery and mechanisms. V. V. Glushko, A. P. Karev, V. P. Lovenets. Avtom. i prib. no. 4:16-17 O-D '63.

MINING MACHINERY—ABSTRACTS
[Manufacture of mining machinery, construction equipment, and road machinery] Ref. zhur.: Gor., stroi. i dor. mashinostr. no. 12 D '63.

MINING MACHINERY—ELECTRIC DRIVING
Pospelov, L. P. [Automatic and remote control in mines] Rudnichnaia avtomatika i telemekhanika. Moskva, Gosgortekhizdat, 1963. 414 p.

MINING RESEARCH see subdivision under Poland

MINSK—AMATEUR ART ACTIVITIES
An ordinary evening. E. Milova. Belarus' 20 no. 10:24 O '63.

MINSK—COMMUNITY CENTERS
A club of war heroes. L. Frid. Agitator no. 21:59 N '63.

MINSK—CONSTRUCTION INDUSTRY
Aliaksandr Hromau, a construction worker. A. Savelichau. Belarus' 20 no. 9:6-7 S '63.

MINSK—FIRES AND FIRE PREVENTION
From the history of fire prevention. I. Riazanov, E. IAmnyi. Pozh. delo 9 no. 10:30 O '63.

MINSK—FOUNDING—ACCOUNTING
Practice in organizing business accounting in foundry workshop sections. N. Orlova. Bukhg. uchet 20 no. 5, 47-51 My '63.

MINSK—INFLUENZA
Clinical course of influenza in Minsk during the 1961-1962 epidemic. G. Kh. Dovgiallo, V. V. Gorbachev. Zdrav. Bel. 9 no. 3:18-20 Mr '63

MINSK—PRINTING INDUSTRY
For communist labor. P. Mazur. Poligr. proizv. no. 10:9-10 O '63.

MINSK—RAILROADS—REPAIR SHOPS
The workers of car repair shops in Minsk strive to achieve economy of materials. A. P. Golovnia. Zhel. dor. transp. 45 no. 11:55-59 N '63.

MINSK—TRACTOR INDUSTRY—ACCOUNTING
Daily accounting and control of production costs in motor vehicle and tractor plants. V. Lukin. Bukhg. uchet 20 no. 10:34-38 O '63.

MINSK—TRACTOR INDUSTRY—AUDITING AND INSPECTION
Organization of economic analysis in an enterprise. I. Basmanov. Bukhg. uchet 20 no. 9:33-36 S '63.

MINSK—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS
Memorial street. N. Kharkou. Belarus' 20 no. 11:24 N '63.

MINSK PROVINCE—COLLECTIVE FARMS—AUDITING AND INSPECTION
Help the auditing committees! V. I. Griboedov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:15 O '63.

MINSK PROVINCE—LABOR AND LABORING CLASSES—EDUCATION
Everyday care should be given to the education of activist groups. A. Korotkevich. Polit. samoobr. 7 no. 6: 69-73 Ag '63.

MINSK PROVINCE—LOESS
Origin of loess-type rocks of the Slutsk-Kopyl' massif. V. M. Motuz. Dokl. AN BSSR 7 no. 5:330-333 My '63.

MINUSINSK BASIN—GEOLOGY, STRATIGRAPHIC
Carboniferous sediments in Minusinsk Lowlands. M. I. Graizer. Trudy SNIIGGIMS no. 21, 45-52 '62.

MINUSINSK BASIN—GEOLOGY, STRUCTURAL
Mossakovskii, A. A. [Tectonic development of Minusinsk Lowlands and their mountain margin in the Pre-Cambrian and Paleozoic] Tektonicheskoe razvitie Minusinskikh vpadin i ikh gornogo obramleniia v dokembrii i paleozoe. Pod red. A. A. Bogdanova. Moskva, Gosgeoltekhizdat, 1963. 215 p.

MINUSINSK BASIN—PETROLEUM GE...
Possibility of finding oil in Can... Minusinsk troughs. L. E. Koz... Trudy VNIGRI no. 212, Geokhi... '63.

MIRNYY REGION, ANTARCTIC...
Absorption of radio waves in t... servations made at the Mirn... V. M. Driatskii. Inform. biul. 27-32 '63.

MIRNYY REGION (YAKUTIA)—...
Conditions governing the consti... gion in the Yakut A.S.S.R. K... Votiakov. Trudy Sev.-Vost.... no. 1:21-28 '58.

MIRNYY REGION (YAKUTIA)—...
Conditions governing the const... gion in the Yakut A.S.S.R. ... Votiakov. Trudy Sev.-Vost... no. 1:21-28 '58.

MIRNYY STATION, ANTARCTI...
Experience in operating the ... Mirnyy. V. S. Shneer. Info... no. 42:57-58 '63.

MIRNYY STATION, ANTARCTICA—SNOW SURVEYS
"Cyclone," device for measuring drifting snow and work with it at the Mirnyy Observatory. N. I. Barkov. Inform. biul. Sov. antark. eksp. no. 42, 51-55 '63.

MIRRORS
Genesis of Sarmatian bronze mirrors. A. M. Khazanov. Sov. arkheol. 7 no. 4:58-71 '63.

MITES
Introduction to the study of anoetid mites [with summary in English]. V. D. Sevast'ianov. Zool. zhur. 42 no. 9, 1338-1345 '63.

MITOCHONDRIA
Changes in mitochondria and activity of the oxidation-reduction enzyme series during carcinogenesis and in tumors, histochemical research [with summary in English]. N. T. Raikhlin. Arkh. pat. 25 no. 7 24-32 '63.

MITRAL VALVE—DISEASES
Evaluation of the state of the blood circulatory system in mitral stenosis based on gas exchange data [with summary in English]. R. A. Beliaeva. Terap. arkh. 35 no. 5 60-65 My '63.
X-ray cinematography in the diagnosis of mitral valve insufficiency [with summary in English]. M. A. Ivanitskaia, I. N. Lebedeva, M. G. Khomutova. Terap. arkh. 35 no. 5:65-70 My '63.

MITSKEVICH, KONSTANTIN MIKHAILOVICH, 1882-1956
A letter of IAkub Kolas. M. Smolkin. Belarus' 20 no. 11:25 N '63.

MIXING MACHINERY
Equipment for the preparation of clay suspensions. M. A. Bublik, A. F. Kuz'menko. Lit. proizv. no. 10 39 O '63.
Portable mortar mixer installations and painting stations. P. F. Blinov. Transp. stroi. 13 no. 9:34-37 S '63.
Unit for the preparation of an emulsion on a clay base. P. F. Parasiuk. Mashinostroenie no. 6:47-48 N-D '63.

MIXTURES
Mathematical model for an analyzer for industrial situations for the choice of optimum operating conditions of apparatus for separation of mixtures. O. V. Golosov, V. F. Lebedkin, I. S. Makhlin. Izv. AN SSSR Tekh. kib. no. 5:114-120 S-O '63.

MODELS AND MODELMAKING—RADIO CONTROL SYSTEMS
Receiver for radio controlled models. IA. Angelov. Radio no. 11 58-59 N '63.

MODERN HISTORY see History, Modern

MODERNISM (ART)
Inhumanity of modernism (to be continued). Vl. Shcherbina. Znamia 33 no. 7:212-221 Jl '63.

MODERNISM (LITERATURE)
Inhumanity of modernism (to be continued). Vl. Shcherbina. Znamia 33 no. 7:212-221 Jl '63.
Modernism is a foe of creativity. Al. Dymshits. Znamia 33 no. 6:189-203 Je '63.

MODULATION (ELECTRONICS)
Contribution to the theory of magnetic modulators in load operation. IU. F. Ponomarev. Avtom. i telem. 24 no. 11:1539-1550 N '63.
Modulation of signals in transmission lines with periodically varying parameters [with summary in English]. L. A. Ostrovskii. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4:752-763 '63.
... of high-frequency amplifiers

MOGILEV—FIRE DEPARTMENTS

Without an increase in personnel. A. Riabyshev. Pozh. delo 9 no.10 29 O '63.

MOGILEV—WOMEN AS ENGINEERS

Reckless heart. L. Kalinouskaia. Rab. i stial. 39 no.11: 3-4 N '63.

MOGILEV PROVINCE—COLLECTIVE FARMS—COSTS

Regional economic conference. A. Elagina, E. Krylatykh Ekon. sel'khoz. 32 no.7:110-118 Jl '61

MOGILEV PROVINCE—PUBLIC HEALTH

Our experience in sanitation work. P. N. Shelonina, Fel'd. i akush. 28 no.11 34-37 N '63.

MOGILEV PROVINCE—WOMEN IN AGRICULTURE

A day in the life of Liuba Lukhtsikava. A. Uladzimirava. Belarus' 20 no.9 8-9 S '63.

MOHAMMEDANISM see subdivision under India; Pakistan; Tabasaranskiy District

MOISSANITE see subdivision under České Středohoří

MOISTURE

Determining the moisture bound by adsorption in a monomolecular layer. L. M. Nikitina. Dokl AN BSSR 7 no.5:324-325 My '63.

Effect of water on the mechanical properties of organic glass. B. L. Panshin and others. Plast. massy no.11: 32-36 '63.

MOISTURE—MEASUREMENT

Developing and testing automatic control apparatuses for determining moisture in asbestos ores after drying. T. M. Pogadaeva, E. I. Argunov, V. K. Miakishev. Trudy NIIasbest no.2.117-126 '62.

Use of electronic methods for the automatic control of moisture content of some milk products. A. IA. Vainberg. Trudy VNIMI [Mol.] no.22:71-75 '62.

MOKROUSOV, BORIS ANDREEVICH, 1909-

Meeting with a song. I. Vershinina. Ogonek 41 no.45: 25-26 N '63.

MOLASSES

Obtaining highly saccharified products by the method of double hydrolysis of starch. G. V. Galkina. Trudy TSNIIKPP no.6:25-39 '63.

Purified maltose molasses. T. A. Ladur. Trudy TSNIIKPP no.6:39-47 '63.

MOLDAVIA—AGRICULTURE—LABOR PRODUCTIVITY

Party organizations should give their constant attention to the "communist labor" competition of rural toilers. P. Petrik. Komm. Mold. 8 no.9:8-13 S '63.

MOLDAVIA—COMMUNIST PARTY OF THE SOVIET UNION

The Communist Party of Moldavia in figures. Komm. Mold. 8 no.9.33-38 S '63.

Reports and elections in the party organizations of the Moldavian Republic. Komm. Mold. 8 no.9:3-7 S '63.

MOLDAVIA—CONSTITUTIONAL LAW

Kishinev, Universitet. Kafedra gosudarstvenno-pravovykh distsiplin. [Constitutional enactments of the Moldavian S.S.R., 1924-1941] Gosudarstvenno-pravovye akty Moldavskoi SSR, 1924-1941 gg. Kishinev, Izd-vo "Kartia moldovenieske," 1963. 177 p.

MOLDAVIA—ECONOMIC CONDITIONS

A bright page in the history of the building of communism. M. Bobichev, B. Vizer. Komm. Mold. 8 no.9:14-23

Shchelokov, N. A. [Industrial development of the Moldavian S.S.R.] Razvitie promyshlennosti Moldavskoi SSR. Kishinev, Gos. izd-vo "Kartia moldovenieske," 1963. 354 p.

MOLDAVIA—LAW

Surilov, A. V. [History of the state and law of the Moldavian S.S.R., 1917-1959] Istoriia gosudarstva i prava Moldavskoi SSR, 1917-1959 gg. Kishinev, Kartia moldovenieske, 1963. 334 p.

MOLDAVIA—RELATIONS (GENERAL) WITH CZECHOSLOVAKIA

Two maple trees. D. Guseva. Komm. Mold. 8 no.9:76-79 S '63.

MOLDAVIA—UROLOGY

Present status and tasks of urological services in Moldavia. S. D. Goligorskii. Zdravookhranenie 6 no.5:3-6 S-O '63.

MOLDAVIAN LITERATURE—HISTORY AND CRITICISM

Akademiia nauk SSSR. Institut mirovoi literatury. [Outline history of Soviet Moldavian literature] Ocherk istorii moldavskoi sovetskoi literatury. Moskva, Izd-vo Akad. nauk SSSR, 1963. 301 p.

MOLDING (FOUNDING)

Changeable date marks for chill casting. A. M. IAnovskii. Lit. proizv. no.10 40-41 O '63.

Effect of the wall thickness of permanent cast iron molds on their durability. G. F. Gorbul'skii, L. B. Kogan. Lit. proizv. no.10 20-22 O '63.

Improving the shakeout of water glass mixtures. I. V. Ryzhkov, I. S. Sychev. Mashinostroenie no.5 47-50 S-O '63.

Mechanization and automation of the shakeout of large and medium molds. L. IA. Kozarovitskii, A. S. Lerner. Mashinostroenie no.5 70-75 S-O '63.

New method of making precision molds. Lit. proizv. no.10 46 O '63.

Rapid-drying mold wash. P. I. Pankin. Lit. proizv. no.10.38-39 O '63.

Shrinkage of permanent molds in the process of their manufacture. A. I. Batyshev, V. A Fedorov. Lit. proizv. no.10.40 O '63.

Surface alloying of castings. V. V. Nazarenko, A. N. TSibrik. Mashinostroenie no.5 62-64 S-O '63.

Using sand beddings in making larger castings. V. I. Sazontov, V. E. Gaidelov. Lit. proizv. no.10-37-38 O '63.

MOLDING (FOUNDING)—EQUIPMENT AND SUPPLIES

Improving the assembly of molds. G. I. Demchenko. Mashinostroenie no.5 77 S-O '63.

Investigating the stressed state of an ingot-mold wall depending on the degree of freedom of bending deformation. V. V. Abramov, L. K. Datchikova, O. M Lazareva. Trudy GPI 17 no.3:32-40 '61.

MOLDING MACHINES

Automatic distribution of molding sand IU P. Poruchikov, G. L. Khazan. Mekh. i avtom. proizv 17 no.10. 1-4 O '63.

MOLDS (BOTANY)
(see also subdivision under Leningrad)

Apparatus for growing mold fungi cultures by the top method. A. V. Solov'ev. Spirt. prom. 29 no.7:31-33 '63.

MOLECULAR ROTATION

Phenomenological theory of electrooptical phenomena. Part 1. V. A. Zamkov. Opt. i spektr. 15 no.5:654-658 N '63.

MOLECULAR SPECTRA

Effect of temperature, magnitude of the exciting quanta, and foreign gases on the structural electron spectra of molecules in vapors. N. A. Borisevich, V. V. Gruzinskii. Dokl. AN BSSR 7 no.5:309-312 My '63.

New spectroscopic method for studying the anisotropy of electron transitions in polar molecules. N. G. Bakhshiev. Dokl. AN SSSR 152 no.3 577-580 S '63.

MOLECULAR STRUCTURE

Architecture of molecular structures. G. Malenkov. IUn. tekh. 8 no.11:33-37 N '63.

Birefringence in a stream, and macromolecular structure. V. N. TSvetkov. Usp. fiz. nauk 81 no.1:61-118 S '63.

Effect of loading on the supermolecular structure of oriented polymers. S. N. Zhurkov, A. I. Slutsker, A. A. IAstrabinskii. Dokl. AN SSSR 153 no.2:303-305 N '63.

MOLLUSKS
(see also subdivision under Odessa Gulf)

Stability of ecological and physiological adaptations in some freshwater mollusks [with summary in English]. G. L. Shkorbatov. Zool. zhur. 42 no.10:1462-1464

KS—CLASSIFICATION

Anatomy of Anopsia gaudichaudii (Souleyet) and the systematic position of Gymnosomata (Opisthobranchia) [with summary in English]. IU. S. Minichev. Zool. zhur. 42 no.9:1317-1328 '63.

MOLLUSKS, FOSSIL
(see also subdivision under Ossetia, North)

Phylum Mollusca. R. N. Benediktova, O. A. Betekhtina. Trudy SNIIGGIMS no.21:425-440 '62.

Phylum Mollusca. R. N. Benediktova, V. A. Muromtseva. Trudy SNIIGGIMS no.21:193-211 '62.

MOLODENSKII, MIKHAIL SERGEEVICH, 1909-

Lenin Prizes of 1963 in the field of physics. Fiz. v shkole 23 no.3:19-21 My-Je '63.

MOLOGA VALLEY—GLASS MANUFACTURE

The "glass" region in the Mologa Basin. V. Rom. Volog. kraĭ no.3:81-90 '62.

MOLYBDENUM

Nickel plating of molybdenum and its alloys. E. V. Proskurkin, M. D. Zholudev. Mashinostroenie no.6:60 N-D '63.

Study of the mode of occurrence of molybdenum and rhenium in coals by electrodialysis. N. I. Razenkova, V. V. Kurnetsova. Trudy IMGRE no.18 20-24 '63.

MOLYBDENUM—ANALYSIS

Electrochemical determination of molybdenum based on the catalytic oxidation of iodide by hydrogen peroxide. R. K. Sharipov, O. A. Songina. Zav. lab. 29 no.11 1293-1296 '63.

On A. I. Busev's book "Analytical chemistry of molybdenum." Reviewed by I. S. Mustafin, A. G. Kovaleva. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no.5.884-885 '63.

Trihydroxyfluorones as reagents for the photometric determination of molybdenum [with summary in English]. M. B. Shustova, V. A. Nazarenko. Zhur. anal. khim. 18 no.8.964-971 Ag '63.

MOLYBDENUM—ELECTRIC PROPERTIES

Ivanov, A. N., and N. F. Pravdiuk. [Measuring the electric resistance of molybdenum during irradiation in a reactor for physical and technological research] Izmerenie elektrosoprotivleniia molibdena v protsesse obluchenia v reaktore RFT. Moskva, In-t atomnoi energii AN SSSR, 1960. 18 p.

MOLYBDENUM—ELECTROMETALLURGY

Effect of certain factors on the electrodeposition of molybdenum compounds from aqueous solutions. A. S. Gonchanenko. TSvet. met. 36 no.10:60-63 O '63.

MOLYBDENUM—METALLURGY

Molybdenum recovery by ion exchange. S. M. Shamsiev, M. M. Seniavin. TSvet. met. 36 no.10:8-10 O '63.

MOLYBDENUM-ALUMINUM-TITANIUM ALLOYS see Aluminum-molybdenum-titanium alloys

MOLYBDENUM ORES

Analysis of the cost of copper-molybdenum ores. V. Petrosian. Prom. Arm. 6 no.9:27-31 S '63.

MOLYBDENUM-ZIRCONIUM-RHENIUM ALLOYS

Internal friction of deformed molybdenum and its alloys with zirconium and rhenium. S. Z. Bokshtein and others. Fiz. tver. tela 5 no.11:3075-3080 N '63.

MONEY

Elizavetin, G. V. [Money] Den'gi. Moskva, Detgiz, 1963. 220 p.

MONGOLIA—AGRICULTURE, COOPERATIVE

Transition to a settled way of life. B. Baizhinniam. Sovr. Mong. 4 no.10:14-23 O '59.

MONGOLIA—DESCRIPTION AND TRAVEL

Symbol of the new Mongolia. Odile Arrighi. Zhen. mira no.11:11-14 '61.

MONGOLIA—ECONOMIC CONDITIONS

Achievements of socialist agriculture in the Mongolian People's Republic. V. Fedotov. Ekon. sel'khoz. 32 no.7:119-121 Jl '61.

MONGOLIA—EDUCATION

Cultural drive and the tasks of our scholars. Sh. TSegmid. Sovr. Mong. 4 no.10:24-25 O '59.

MONGOLIA—FOREIGN ECONOMIC RELATIONS

Answers of IU. TSedenbal, Chairman of the Council of Ministers of the Mongolian People's Republic, to the questions of P. N. Sharma, correspondent of an Indian newspaper. Sovr. Mong. 4 no.10:1-3 O '59.

MONGOLIA—FOREIGN ECONOMIC RELATIONS—CHINA

Economic and cultural cooperation between the Mongolian and Chinese peoples. S. Luvsan. Sovr. Mong. 4 no. no.10:40-44 O '59.

MONGOLIA—FOREIGN RELATIONS—CHINA

Friendly visit of Chinese parliament members to our country. Sovr. Mong. 4 no.10:36-39 O '59.

MONGOLIA—FOREIGN RELATIONS—INDIA

Good-will visit. IU. TSedenbal. Sovr. Mong. 4 no.10: 4-10 O '59.

MONGOLIA—FOREIGN RELATIONS—VIETNAM, NORTH

Good-will visit. IU. TSedenbal. Sovr. Mong. 4 no.10: 4-10 O '59.

MONGOLIA—GEOLOGY

Acknowledging the great achievements of a scientist. N. A. Marinov. Priroda 52 no.10:54 '63.

MONGOLIA—THEATER

Mongolian song plays. E. Oluun. Sovr. Mong. 4 no.10: 33-37 O '59.

MONGOLIA—TRADE UNIONS

Role of Mongolian trade unions in the development of socialism. D. Baizhinniam. Sovr. Mong. 4 no.10:10-13 O '59.

MONGOLIA—WOMEN

Symbol of the new Mongolia. Odile Arrighi. Zhen. mira no.11:11-14 '61.

MONILIASIS

Significance of Candida in the antibiotic treatment of chronic inflammation of the biliary tract. A. M. Margolin, A. A. Medvedkova, N. P. Ovsiannikova. Kaz. med. zhur. no. 5 15-17 S-O '63.

MONOCHROMATOR

Monochromators for microspectrophotometers. L. S. Agroskin, N. V. Kosolev. Prib. i tekh. eksp. 8 no. 4 135-138 Jl-Ag '63.

MONTREUX, SWITZERLAND, TREATY OF, 1936

The Montreux Conference of 1936 [with summary in English, p. 221]. V. I. Popov. Vop. ist. 38 no. 11:47-61 N '63.

MOON

Theory of lunar integral radio emission [with summary in English]. V. D. Krotikov. Izv. vys. ucheb. zav., radiofiz. 6 no. 5 889-896 '63.

MOON—OBSERVATIONS

Detection of a hot flow from the moon's interior [with summary in English]. V. D. Krotikov, V. S. Troitskii. Astron. zhur. 40 no. 6:1076-1082 N-D '63.

Observations of the lunar limb and the motion of shadow band patterns [with summary in English]. A. N. Demidova, N. V. Dyaltova. Izv. GAO 23 no. 2:115-117 '63.

Observations of the moon and major planets with the meridian circle in Nikolaev [with summary in English]. Ia. S. Gordon, L. P. Gorel', L. P. Dribna. Izv. GAO 23 no. 1:74-76 '62.

MOON—PHOTOGRAPHS, MAPS, ETC.

Experiments in the television photography of the moon in the 0.6-1.1μ and 0.8-2.3μ wavelength range [with summary in English]. N. F. Kupriyevich. Izv. GAO 23 no. 2:110-114 '63.

MOON—SURFACE

Aspects of separate features of the moon's surface [with summary in English]. N. N. Sytinskaia. Astron. zhur. 40 no. 6 1083-1091 N-D '63.

Nature of the moon's surface layer [with summary in English]. B. Iu. Levin. Astron. zhur. 40 no. 6:1071-1075 N-D '63.

MOOS, LUDWIG VON, 1910-

Haj Ben Alla. Ludwig von Moos. Nov. vrem. 21 no. 52:12 D '63.

MOOSE see subdivision under Moscow region

MORACZEWSKI, WACLAW, 1867-1960

Vasyl' Stefanyk and Waclaw Moraczewski, 1895-1897. IA. IA. IArema. Mizhslov. lit. vzaiem. no. 3:78-92 '63.

MORAINES—MODELS

Rheologic model of ground moraine. E. F. Vinokurov. Doki. AN BSSR 7 no. 6:339-343 My '63.

MORAL EDUCATION

Brigades of communist labor are the most important part of moral education. G. Akmambetov. Trudy Inst. filos. i prava AN Kazakh. SSR 8:26-38 '63.

Training and self-training of an adolescent. A. I. Kochetov. Sov. pedag. 27 no. 11:42-47 N '63.

MORAL EDUCATION—CONGRESSES

Conference in Rostov. I. Mar'enko. Nar. obr. no. 12: 133-135 D '63.

Interuniversity conference on the problems of student training. Sov. pedag. 27 no. 9:154-155 S '63.

MORDOVIA—HISTORY

History of the establishment of the Mordvinian A. S. S. R. Submitted by P. I. Anisimova, S. IA. Arapov. Ist. arkh. 8 no. 3:90-99 My-Je '62.

MORDOVIA—INSURANCE, SOCIAL

The number of claims has decreased. P. Sernov. Sots. obesp. 24 no. 9:16-17 S '63.

MORDVINIAN A. S. S. R. see Mordovia

MORO, ALDO, 1916-

Aldo Moro, Giuseppe Saragat. Nov. vrem. 21 no. 50: 22 D '63.

MOROCCO—FOREIGN RELATIONS—ALGERIA

Our commentaries. Nov. vrem. 21 no. 48:3-4 N '63.

MOROCCO—WOMEN

Morocco in 1961. Gillette Ziegler. Zhen. mira no. 12: 13-14 '61.

MORPHOLOGY (ANIMALS)

Review of L. IA. Bliakher's book "An outline of the history of the morphology of animals." L. D. Liozner. Zool. zhur. 42 no. 10:1588-1590 '63.

MORTAR

Portable mortar mixer installations and painting stations. P. F. Blinov. Transp. stroi. 13 no. 9:34-37 S '63.

MOSAIC DISEASE

Cytological and histological changes in the fat body of the cicada Psammotettix Striatus Fall. infected with the winter wheat mosaic virus [with summary in English]. L. IA. Lomakina, G. M. Razviazkina, E. A. Shubnikova. Vop. virus. 8 no. 2:168-172 Mr-Ap '63.

Production of antiserum against barley false stripe virus [with summary in English] L. V. Kuvshinova. Vop. virus. 8 no. 2 174-176 Mr-Ap '63

MOSCOW—ADULT EDUCATION

Severe is the law of the march. I. Duel'. Komsom. zhizn' no. 18 11-14 S '63.

MOSCOW—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

Sixteen stories high; variations of apartment house designs of frame paneled construction. N. Osterman. Stroi. i arkhit. Mosk. 12 no. 10:7-13 O '63

MOSCOW—ART, EAST GERMAN—EXHIBITIONS

An encounter with German artists. A. Chlenov. Nov. vrem. 21 no. 48:26-27 N '63.

MOSCOW—AUTOMOBILE DRIVERS—EDUCATION AND TRAINING

For the fifth time. V. Sapel'nikov. Za bezop. dvizh. 6 no. 11:5 N '63.

MOSCOW—AUTOMOBILE *DRIVERS' TEST*

Difficult test. A. Smirnov. Za bezop. dvizh. 6 no. 9:15 S '63.

MOSCOW—AUTOMOBILE INDUSTRY

An individual creative plan for every engineer and technician. N. Razumovskii. Mashinostroitel' no. 10 3-4 O '63.

MOSCOW—BAKERS

Groundless reproach. I. Marin. Part. zhizn' no. 1:48-49 Ja '64.

MOSCOW—BALLET

Zhdanov, L. T. Bol'shoi balet. Bolshoi ballet Moskva, Iskusstvo, 1963. [5] p. illus. *[Text in Russian, English, German, and French]*

MOSCOW—BUILDING—DETAILS

Houses with standard finishing. A. *Kokin.* Stroi. i arkhit. Mosk. 12 no. 10:27-29 O '63.

MOSCOW—CABLES

Using a standard accounting method in the "Moskabel'" Plant. I. Shilin. Bukhg. uchet 20 no. 11:37-39 N '63.

MOSCOW—CANNING INDUSTRY

Food Combine of the Order of Lenin in Moscow strives to obtain the title of enterprise of communist labor. T. V. Uvarova. Kons. i ov. prom. 18 no. 11 5-9 N '63.

MOSCOW—CHILDREN

A little African girl lives with us. Lev Kassil'. Ogonek 41 no. 45:28-29 N '63.

MOSCOW—CHILDREN'S CLUBS

I want to be a driver. V. Kitorov. Sov. Soiuz no. 11:33 '63.

MOSCOW—CIVIC IMPROVEMENT

Moscow today. R. Sadruzhyn. Belarus' 20 no. 11:5 N '63.

MOSCOW—CLERKS (RETAIL TRADE)

Communist Youth League searchlight. V. Ivanov. Sov. torg. 37 no. 11:25-28 N '63.

Kuchkina, O. A. [Girls' republic] Devchach'ia respublika. [Moskva] Molodaia gvardiia, 1963. 44 p. (Vnimanie - novoe)

MOSCOW—CLOTHING INDUSTRY

How clothing should be sold. D. Zamkovskii. Sov. torg. 37 no. 11:21-24 N '63.

Moscow, Peace Prospect, 73.... M. Rachevskaia. Sov. torg. 37 no. 11:32-33 N '63.

MOSCOW—COLD STORAGE WAREHOUSES

Experience in the operation of the automated Cold Storage Warehouse No. 1 in Moscow. N. N. Simonov. Ser. III: Nov. mash., obor. i sred. avtomatiz. no. 59: 77-82 '63.

MOSCOW—COMMERCE—EXHIBITIONS

Trade fair at the Exhibition of Achievements of the National Economy of the U. S. S. R. N. Borminskii, A. Leshchinskii. Sov. torg. 37 no. 11:35-38 N '63.

MOSCOW—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

[Advanced experience in political work should be applied in practice] Peredovoi opyt politzaniatii - v praktiku. [By] A. Lebedev i dr. Moskva, Voenizdat, 1963. 132 p.

MOSCOW—CONCRETE CONSTRUCTION

Moscow experiment: Building of block No. 10 in Novyye Cheremushki. E. Baier. *Stroi. i arkhit. Mosk.* 12 no. 10:20-27 O '63.

MOSCOW—CONSTRUCTION INDUSTRY

In honor of the nationwide holiday. Stroi. i arkhit. Mosk. 12 no. 10:1 O '63.

In the Executive Committee of the Moscow City Soviet of Worker's Deputies. Stroi. i arkhit. Mosk. 12 no. 10 36 O '63.

Over-all mechanized section, new organization of preparatory work. S. Epshtein. Stroi. i arkhit. Mosk. 12 no. 10:33-36 O '63.

MOSCOW—CONSTRUCTION INDUSTRY—ACCOUNTING

Accounting for materials used in capital repairs. N. Prokhorov. Bukhg. uchet 20 no. 11:49-51 N '63

MOSCOW—DESIGN, INDUSTRIAL—STUDY AND TEACHING

Diplomas are sent to museums.... I. Glan. Smena 40 no. 17:21-22 S '63.

MOSCOW—EDUCATION, COOPERATIVE

Industrial training center. V. Linev. Nar. obr. no. 9: 63-66 S '63.

MOSCOW—ELECTRIC INDUSTRY WORKERS

Principal feature. Kseniia Kotel'nikova. Znamia 33 no. 7:157-168 Jl '63.

MOSCOW—ELECTRONICS IN MAIL SORTING

The postman and... electronics. G. Malinichev. Sov. voin 45 no. 12:29 Je '63.

MOSCOW—EXHIBITIONS

Awards presented to the participants of the Exhibition of the Achievements of the National Economy of the U. S. S. R. Elek. sta. 34 no. 10:94 O '63

Exhibition of instruments made by VEB "Karl Zeiss" (German Democratic Republic). I. K. Petrov. Mekh. i avtom. proizv. 17 no. 10 43-48 O '63.

Exhibition of Japanese instruments. G. I. Kononenko. Priborostroenie no. 11:28-31 N '63.

Printing at the Exhibition of Achievements of the National Economy of the U. S. S. R. G. E. Shaposhnikov. Poligr. proizv. no. 10 17-18 O '63.

Welding equipment at the Exhibition of the Achievements of the National Economy of the U. S. S. R. in 1962. K. I. Boeva. Svar. proizv. no. 6:43-47 Je '63.

MOSCOW—FLOWERS—EXHIBITIONS

Flowers and architecture. N. Bylinkin. Stroi. i arkhit. Mosk. 12 no. 10 13-14 O '63.

MOSCOW—GIPSIES

Moscow, Ispolnitel'nyi komitet. Upravlenie kul'tury. [The Moscow "Romen" Gypsy Theater] Moskovskii tsyganskii teatr "Romen." Moskva, Izd Mosk. ob"edineniia teatral'no-zrelishchnykh kass, 1961. 56 p.

MOSCOW—HISTORICAL LIBRARIES

The 25th anniversary of the establishment of the Historical Library of the R. S. F. S. R. M. K. Starokadomskaia. Vop. ist. 38 no. 12:147-153 D '63.

MOSCOW—HISTORY

History of Moscow fires in 1547. I. A. Zharkov. Ist. arkh. 8 no. 3:223-226 My-Je '62.

MOSCOW—INFANTS (NEWBORN)

Grow up to be big boys and girls! IA. Miletskii. Ogonek 41 no. 52:16 D '63.

MOSCOW—INSTRUMENT INDUSTRY—MANAGEMENT

Zhur, I. I., and V. A. Khokhlushin. [Plant changes its production program] Zavod menîaet profil'. [Moskva] Moskovskii rabochii, 1963. 82 p.

MOSCOW—IRON AND STEEL WORKERS—EDUCATION AND TRAINING

Meetings and lessons in continuously working enterprises. A. Khokhlov, P. Gerasimova. Part. zhizn' no. 22:57-59 N '63.

MOSCOW—JUVENILE DELINQUENCY

Give special attention to juvenile delinquents. V. Koloskov. Sov. iust. no. 21:10-12 N '63.

MOSCOW—KOREAN STUDIES

The first coordinating meeting on Korean studies in Moscow. R. Sh. Dzharylgasinova. Sov. etn. no. 5:133-134 S-O '63.

MOSCOW—KREMLIN

Davydov, Z. S. [Stars atop towers; sketches of the old Kremlin] Zvezdy na bashniakh; obrazy starogo Kremlia Moskva, Sovetskii pisatel', 1963. 180 p.

MOSCOW—LABOR AND LABORING CLASSES—EDUCATION

Isaev, V. P. [Education in the collective group] Vospitanie cheloveka v kollektive. [Moskva] Moskovskii rabochii, 1963. 38 p. (Bibliotechka sekretaria partorganizatsii)

MOSCOW—LABOR AND LABORING CLASSES—STATISTICS

Comparative characteristics in the number and composition of Leningrad and Moscow workers during the postwar period. V. E. Poletaev. Ist. rab. klas. Len. no. 1: 122-129 '62.

MOSCOW—LANGUAGES—STUDY AND TEACHING

Workers learn foreign languages. T. Kulakova. Komsom. zhizn' no. 18 9-10 S '63.

MOSCOW—MACHINE-TOOL INDUSTRY—COSTS

Calculating costs in the assembly-line organization of production. V. Filippova. Bukhg. uchet 20 no. 11 41-44 N '63.

MOSCOW—MACHINE-TOOL INDUSTRY—TECHNOLOGICAL INNOVATIONS

Economic evaluation of the standards of production mechanization and automation. D. L'vov. Plan. khoz. 40 no. 12:12-18 D '63.

MOSCOW—MATHEMATICAL SOCIETIES

Meetings of the Moscow Mathematical Society. Usp. mat. nauk. 18 no. 5:219-220 S-O '63.

MOSCOW—MEAT INDUSTRY—AUDITING AND INSPECTION

Strike the hands of the thieves. L. Stepachev. Komsom. zhizn' no. 19:6-7 O '63.

MOSCOW—MILITIA

Forge shop of militia cadres. V. Nazarov. Za bezop. dvizh. 6 no. 11:1-2 N '63.

MOSCOW—MONUMENTS

Metal, granite, and space. M. Totev. Znan. sila 38 no. 9:2-3 S '63.

MOSCOW—NOTARIES

A day in a notarial agency. O. Moiseev. Sov. just. no. 21:25-26 N '63.

MOSCOW—OFFENSES AGAINST SOCIALIST PROPERTY

Voluntary policemen of a drug plant. P. Soldatov. Sots. zakon. 40 no. 11:81 N '63.

MOSCOW—OIL INDUSTRIES

Socialist competition in the enterprises of the oils, fats, perfumes, and cosmetics industry of the Moscow City Economic Council. S. M. Kozlov. Mast.-zhir. prom. 29 no. 10 k-3 O '63.

MOSCOW—ORTHOPEDIC APPARATUS INDUSTRY

Conference at a plant. Sots. obesp. 24 no. 9:48-49 S '63.

MOSCOW—PHONORECORDS

In the Moscow Phonograph Record House. L. Ermilina. Sov. torg. 37 no. 11:29-32 N '63.

MOSCOW—PHYSICALLY HANDICAPPED—EMPLOYMENT

Brigade of friends. P. Semidetova. Sots. obesp. 24 no. 9 42-45 S '63.

MOSCOW—PRECAST CONCRETE CONSTRUCTION

Preparing for building series IGM-3000 houses. I. Zhivotovskii. Stroi. i arkhit. Mosk. 12 no. 10 30-33 '63.

MOSCOW—PRESTRESSED CONCRETE CONSTRUCTION

Prestressed wholly sectional lining of subway tunnels. IA. G. Gel'man. Bet. i zhel.-bet. 9 no. 10:464-466 O '63.

MOSCOW—PUBLISHERS AND PUBLISHING

Address on the last page. Vl. Dezhin. Sov. profsoiuzy 19 no. 18:39 S '63.

MOSCOW—PUMPING STATIONS

Borisov, IU. [Guidance of agitation and propaganda work] Rukovodstvo agitatsionno-propagandistskoi rabotoi. [Moskva] Mosk. rabochii, 1963. 40 p. (Bibliotechka sekretaria partorganizatsii)

MOSCOW—RESTAURANTS, LUNCHROOMS, ETC.

In the country's largest institution of higher learning. I. Rubashkin. Obshchestv. pit. no. 12:28-30 D '61.

MOSCOW—REVOLUTION, 1917-1921

Some problems concerning the history of the October Revolution in Moscow. F. L. Kurlat. Vest. Mosk. un. Ser. 9: Ist. 18 no. 6,31-43 N-D '63.

MOSCOW—RUSSIAN SOCIAL DEMOCRATIC PARTY

Kukushkin, S. M. [Moscow Bolsheviks during the years of the First World War and the February Revolution] Moskovskie bol'sheviki v gody Pervoi Mirovoi voiny i Fevral'skoi revoliutsii. [Moskva] Mosk. rabochii, 1963. 189 p.

MOSCOW—SANDY SOILS

Using the shield method for building running tunnels in sandy soils. IU. P. Pavlov. Transp. stroi. 13 no. 9: 21-24 S '63.

MOSCOW—SEPULCHRAL MONUMENTS

Post No. 1. A. Golikov. Ogonek 41 no. 45:8-7 N '63.

MOSCOW—SOCIALIST COMPETITION

[The guards of the builders of communism] Gvardiia stroitelei kommunizma. [Moskva] Moskovskii rabochii, 1963. 222 p.

MOSCOW—SOILS

Soils of the Vegetable Experimental Station of the Timiriazev Agricultural Academy of Moscow. I. P. Grechin Dokl. TSKHA no. 47,199-207 '59.

MOSCOW—STORE FIXTURES—EXHIBITIONS

At the exhibition of store equipment. E. Pen'kova. Sov. torg. 37 no. 11:38-41 N '63.

MOSCOW—STREET LIGHTING

Lighting of a traffic intersection in the Tagan Square in Moscow. L. E. Veis. Svetotekhnika 9 no. 11 22-25 N '63.

MOSCOW—SUBWAYS

Using the shield method for building running tunnels in sandy soils. IU. P. Pavlov. Transp. stroi. 13 no. 9. 21-24 S '63.

MOSCOW—SURGICAL SOCIETIES

Minutes of the Surgical Society of Moscow and Moscow Province for meetings Nos. 1756 and 1757. Khirurgiia 39 no. 7:119-159 Jl '63.

MOSCOW—TELEVISION STATIONS—TECHNOLOGICAL INNOVATIONS

In the television engineering laboratories of the Moscow Television Station. I. I. Sheifis. Tekh. kino i telev. 7 no. 10,59-66 O '63.

MOSCOW—THEATER

Capek characters on the stage. N. Tolchenova. Ogonek 41 no. 42:19 O '63.

Moscow, Ispolnitel'nyi komitet. Upravlenie kul'tury. [The Moscow "Romen" Gypsy Theater] Moskovskii tsyganskii teatr "Romen." Moskva, Izd. Mosk. ob"edineniia teatral'no-zrelishchnykh kass, 1961. 56 p.

Our guests, Ukraina no. 12:28 Je '62.

The theme of heroism is the main thing. Andrei Popov. Sov. voin 46 no. 14:41-42 Jl '63.

MOSCOW—TRAFFIC ACCIDENTS

Beyond the regulations. A. Polienov. Za bezop. dvizh. 6 no. 9:14 S '63.

Good and bad. Za bezop. dvizh. 6 no. 9:13 S '63.

Unfinished diary. V. Vorob'ev. Za bezop. dvizh. 6 no. 9:12-13 S '63.

MOSCOW—TRAFFIC ENGINEERING

According to the general plan. Za bezop. dvizh. 6 no. 9: 1 S '63.

Faster than the wind. A. Sokolov. Za bezop. dvizh. 6 no. 9:8 S '63.

Offensive continues. V. Markin. Za bezop. dvizh. 6 no. 11:7 N '63.

MOSCOW—TRAFFIC POLICE

Comrade inspector. S. Prishchepov. Za bezop. dvizh. 6 no. 9:16 S '63.

If one works, one should work well. B. Levishchev. Za bezop. dvizh. 6 no. 11:4 N '63.

In the Bauman district of the capital. A. Starostin. Za Bezop. dvizh. 6 no. 11:10-11 N '63.

Traffic controller in Moscow during the war. M. Leshchinskii. Za bezop. dvizh. 6 no. 11:3 N '63.

Twenty-seven bold men. V. Markin. Za bezop. dvizh. 6 no. 9:3-4 S '63.

[illegible]AFFIC SAFETY

[illegible]. Bobkov. Za bezop. dvizh. 6 no. 11:8 N

[illegible]etirement. B. Il'ichev. Za bezop. dvizh. [illegible] '63.

[illegible]. Nosov. Za bezop. dvizh. 6 no. 9:8-9 S '63.

Violation today, tomorrow,... V. Mikhailov. Za bezop. dvizh. 6 no. 9:7 S '63.

What is good and what is bad. A. Kalachev. Za bezop. dvizh. 6 no. 9:10-11 S '63.

MOSCOW—TUNNEL LINING

Prestressed wholly sectional lining of subway tunnels. IA. G. Gel'man. Bet. i zhel.-bet. 9 no. 10:464-466 O '63.

MOSCOW—UNIVERSITIES AND COLLEGES

In the country's largest institution of higher learning. I. Rubashkin. Obshchestv. pit. no. 12:28-30 D '61.

MOSCOW—VOCATIONAL EDUCATION

Enthusiasts. R. Podol'nyi. Znan. sila 36 no. 10:10-12 O '61.

MOSCOW—WALLS

Curtain walls of multistory buildings. B. Shchepetov. Stroi. i arkhit. Mosk. 12 no. 10:15-18 O '63.

MOSCOW—WORLD WAR, 1939-1945—AERIAL OPERATIONS

Hero of the clear sky. Andrei Merkulov. Mol. komm. no. 9 126-128 S '63.

MOSCOW, BATTLE OF, 1941-1942

Belov, P. A. [Behind us was Moscow] Za nami Moskva. Moskva, Voenizdat, 1963. 330 p. (Voennyi memuary)

MOSCOW ECONOMIC REGION—INFORMATION SERVICES

Conferences and seminars in the technological information service of the Moscow Economic Council. N. I. Pevnev. Opyt rab. po tekh. inform. i prop. no. 1:36-40 '63.

MOSCOW GOVERNMENT—INDUSTRIAL HYGIENE

Role of the physicians of the Moscow Government Zemstvo in organizing native industrial hygiene and industrial sanitation. G. A. Betlikhis Gig. truda i prof. zab. 7 no. 1:44-48 Ja '63.

MOSCOW PROVINCE—AGRICULTURAL WAGES

Material incentives of production plans. N. Popov. Plan. khoz. 40 no. 11,48-53 N '63.

MOSCOW PROVINCE—AUTOMATION—ECONOMIC ASPECTS

Vasil'ev, G. A. [Automation and economics] Avtomatizatsiia i ekonomika. [Moskva] Mosk. rabochii, 1963. 71 p.

MOSCOW PROVINCE—CHEMICAL INDUSTRIES

Further development of operating chemical plants. I. Khanaev. Part. zhizn' no. 1:15-21 Ja '61.

MOSCOW PROVINCE—CITY PLANNING

Experimental microdistricts in cities of Moscow Province. I. Zakov. Arkhit. SSSR no. 1:30-32 '62.

The little town on the "Zarya Kommunizma" State Farm. P. Volchok. Arkhit. SSSR no. 1:37-41 '62.

MOSCOW PROVINCE—COLLECTIVE FARMS

Noskov, I. E. [A year later] God spustia. [Moskva] Moskovskii rabochii, 1963. 69 p.

MOSCOW PROVINCE—EDUCATION, RURAL

Production training and labor discipline in the rural schools of Moscow Province. Interview with N. P. Borodavko, First Deputy Chief of the Province Department of Rural Education and G. A. Platonova, School Secretary of the Communist Youth League Rural Province Committee. Otv. na vop. trud. no. 8: 21-29 Ag '63.

MOSCOW PROVINCE—MATERIALS—INVENTORIES

Operational analysis of the utilization of an enterprise's working capital. V. Zotov. Bukhg. uchet 29 no. 10:53-59 O '63.

MOSCOW PROVINCE—PAINTING, INDUSTRIAL

We are mechanizing technological operations as much as possible. V. D. Gudnichev. Transp. stroi. 13 no. 9:42-43 S '63.

MOSCOW PROVINCE—PRECIPITATION (METEOROLOGY)

Justification of various methods for forecasting air-mass shower precipitations in the summer of 1961 based on observations made in Moscow and Moscow Province. S. V. Chelikanova. Trudy TSIP no. 125:45-53 '63.

MOSCOW PROVINCE—PSYCHIATRIC HOSPITALS—ACCOUNTING

Rybal'skii, M. I., G. P. Tokin, and L. D. Glason. [Daily records for patients in psychiatric hospitals] Opyt odnodnevnogo ucheta bol'nykh v psikhiatricheskikh statsionarakh. Pod red. L. L. Rokhlina i T. I. Gol'dovskoi. Moskva, TSentr. Mosk. obl. klinicheskaia psikhiatricheskaia bol'nitsa, 1963. 78 p. (DNLM)

MOSCOW PROVINCE—STATE FARMS—MANAGEMENT

Material incentives of production plans. N. Popov. Plan. khoz. 40 no. 11:48-53 N '63.

MOSCOW PROVINCE—SUGAR BEETS

Growing sugar beets in the non-Chernozem zone. B. Fedoseev, A. Kovalev. Tekh. v sel'khoz. 23 no. 8: 11-14 S '63.

MOSCOW PROVINCE—WEATHER FORECASTING

Justification of various methods for forecasting air-mass shower precipitations in the summer of 1961 based on observations made in Moscow and Moscow Province. S. V. Chelikanova. Trudy TSIP no. 125:45-53 '63.

MOSCOW REGION—ANTIQUITIES

The TSaritsyn burial mounds. T. V. Ravdina. Sov. arkheol. 7 no. 4:213-217 '63.

MOSCOW REGION—CRIMINAL INVESTIGATION

Lair of an underground millionaire. Vasilii Zhuravlev. Ogonek 41 no. 44:30-31 O '63.

MOSCOW REGION—FIRES AND FIRE PREVENTION
Rural firemen join the fight. V. Smirnov. Pozh. delo 9 no. 10 4-5 O '63.

MOSCOW REGION—FISHING
Meeting the dawn. M. Sinitsyn, V. Ardab'ev. Zdorov'e 9 no. 10,29 O '63.

MOSCOW REGION—MOOSE
Establishing density norms for moose in the Moscow region. N. I. Kochetkov. Okhr. prir. i ozel. no. 3: 87-93 '60.

MOSCOW REGION—PHOSPHORITES
Means of increasing the production of phosphorite meal at the Moscow Region Chemical Mining Combine. O. M. Kraus. Khim. prom. no 9:707-709 S '63.

MOSCOW REGION—RECREATION AREAS
Looking after the health of muscovites' Mass organization of suburban resting facilities for the inhabitants of the capital. N. Ullas. Stroi. i arkhit. Mosk. 12 no. 10: 2-6 O '63.

MOSCOW REGION—WINTER
Winters of record warmth in the Moscow region N. N. Galakhov. Mat. po fen no 2:7-10 '61.

MOSKVA VALLEY—AZOTOBACTER
Distribution of Azotobacter in the floodland soils of the Moskva and Klyaz'ma Rivers. L. A. Sergunina. Pochv. rus. rav. no. 2 141-145 '63.

MOSKVA VALLEY—FLOODS
Effect of floods on the development of meadow plants in the floodlands of the Moskva River. A. N. Tiurlukanov, M. P. Pavlova. Pochv. rus. rav. no. 2 191-197 '63.

MOSKVA VALLEY—GRASSES
Effect of floods on the development of meadow plants in the floodlands of the Moskva River. A. N. Tiurlukanov, M. P. Pavlova. Pochv. rus. rav. no. 2, 191-197 '63.

MOSKVA VALLEY—SOILS
Soils in the lower Moskva Valley. T. I. Evdokimova, L. A. Grishina. Pochv. rus. rav. no. 2:3-25 '63.

MOSQUITOES
The relation between body weight, potential fecundity and quantity of blood ingested in mosquitoes of the genus Aedes [with summary in English]. N. V. Volozina. Med. paraz. i paraz. bol. 32 no. 5:515-521 S-O '63.
Results of testing individual bed curtains of net material impregnated by repellents for protection against mosquitoes [with summary in English]. V. M. Safianova. Med. paraz. i paraz. bol. 32 no. 5:549-551 S-O '63.

MOSSES see subdivision under Caucasus

MOTION
Motion of some mechanical systems with variable masses. Izv. AN SSSR. Mekh. i mashinostr. no. 5:198-202 S-O '63.
Solution of the problem involving a transverse impact against a thread situated in a resistant medium. P. A. Rakhmanov. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 4:3-11 '63.
Stability of solutions to a slowly varying stochastic system. E. A. Lidskii. Sib. mat. zhur. 4 no. 5:1128-1136 S-O '63.

MOTION—EXPERIMENTS
Demonstrating the motion of a body along a parabola. O. A. Figurovskii. Fiz. v shkole 23 no. 3:60-61 My-Je '63.

MOTION-PICTURE AUDIENCES
Language of motion pictures and the movie-goer. A. Varianov. Vop. est. no. 5:86-120 '62.

MOTION-PICTURE CAMERAS—TESTING
Apparatus for testing motion-picture cameras. O. I. Reznikov, A. N. Razumovskii. Tekh. kino i telev. 7 no. 10:18-26 O '63.

MOTION-PICTURE CARTOONS see subdivision under *Germany, East*

MOTION-PICTURE PHOTOGRAPHY
Kuleshov, L. V. [The film, cutting and editing] Kadr i montazh. Moskva, Gos. izd-vo "Iskusstvo," Vol. I. 1961. (Biblioteka kinolubitelia) (CLSU)

MOTION-PICTURE PHOTOGRAPHY—DEVELOPING AND DEVELOPERS
(see also subdivision under Germany, West)
In the "Lenfilm" motion-picture studio. Tekh. kino i telev. 7 no. 11:64 N '63.

MOTION-PICTURE PHOTOGRAPHY—ELECTRONIC EQUIPMENT
Set of apparatus for the production of motion pictures with the electronic method (with summary in English on p. 95). V. A. Burgov, S. R. Barbanel', A. I. Seredinskii. Tekh. kino i telev. 7 no. 10:1-9 O '63.

MOTION-PICTURE PHOTOGRAPHY—EQUIPMENT AND SUPPLIES
Methods for measuring the geometric parameters of motion-picture films and of some precision parts of motion-picture apparatus (with summary in English on p. 95). A. K. Kutai, I. I. Balonkina, A. IA. Galnykin. Tekh. kino i telev. 7 no. 11 6-15 N '63.
Universal marker for two-side marking of 32mm motion-picture films. L. Sh. Reznikovskaia, V. V. Sokolov. Tekh. kino i telev. 7 no. 10:68-69 O '63.

MOTION-PICTURE PHOTOGRAPHY—EXPOSURE
(see also subdivision under Czechoslovakia)
Conference on exposure problems. Tekh. kino i telev. 7 no. 10:90 O '63.
Principles for the design and construction of exposure meters for professional motion-picture photography (with summary in English on p. 95). V. G. Pell'. Tekh. kino i telev. 7 no. 10:10-18 O '63.

MOTION-PICTURE PHOTOGRAPHY—FILMS
Effect of the composition of solvents on the characteristics of the triacetate motion-picture film support (with summary in English on p. 95). F. S. Sherman and others. Tekh. kino i telev. 7 no. 10:35-38 O '63.
Standardization of the methods for the processing of color and black-and-white motion-picture films. N. T. Trofimenko, S. E. Tikhonovich. Tekh. kino i telev. 7 no. 11,63-64 N '63.

MOTION-PICTURE PHOTOGRAPHY, HIGH SPEED
Investigating the performance of water ring vacuum pumps by means of high-speed motion picture photography. P. P. Vershinin. Trudy VNIIGidrouglia no. 1: 117-126 '62.

MOTION-PICTURE PHOTOGRAPHY, MEDICAL
Method of phasic photography of the heart, a method of receiving photographs and films of the X-ray image of the heart at a given phase of the cardiac cycle. A. N. Medelianovskii, V. A. Frolov, O. I. Kiselev. Trudy po nov. app. i metod. no. 1:60-63 '63.
Roentgen cinematography in the study of esophageal pneumorelief in cancer (with summary in English). L. E. Kevesh. Vop. onk. 9 no. 7:52-58 '63.
X-ray cinematography in the diagnosis of mitral valve insufficiency [with summary in English]. M. A. Ivanitskaia, I. N. Lebedeva, M. G. Khomutova. Terap. arkh. 35 no. 5:65-70 My '63.

MOTION-PICTURE PLAYS
(see also subdivision under Poland)
Eisenstein and the synthetic character of motion pictures. L. Kozlov. Vop. kinoisk. no. 7:104-127 '63.
Expressive means in contemporary Soviet motion pictures. N. Zorkaia. Vop. kinoisk. no. 7:76-104 '63.
Language of motion pictures and the movie-goer. A. Varianov. Vop. est. no. 5:86-120 '62.
Motion pictures and popular conscience. L. Pazhitnov, B. Shragin. Vop. kinoisk. no. 7:22-53 '63.
New motion pictures. Rab. i stud. 39 no. 10:14-15 O '63.
New motion pictures. Rab. i stud. 39 no. 11:18-19 N '63.
Plots in 1962. S. Freilikh. Vop. kinoisk. no. 7:64-77 '63.
Significance of the hero. R. IUrenev. Vop. kinoisk. no. 7:5-21 '63.
Some trends of motion pictures in the prewar years. IU. Khaniutin. Vop. kinoisk. no. 7:128-148 '63.
Standard of heroism. Viktor Lunden. Smena 40 no. 17;12-13 S '63.
The word in contemporary Soviet films. L. Kozlov. Vop. est. no. 5:61-85 '62.

MOTION-PICTURE PROJECTION—TESTING
Projection test films (with summary in English on p. 95). L. G. Tarasenko. Tekh. kino i telev. 7 no. 10:27-34 O '63.

MOTION-PICTURE PROJECTORS
Danilov, K. B. [The "KN-12" motion-picture projection unit] Kinoustanovka KN-12. [Moskva] Iskusstvo, 1963. 180 p. (Biblioteka kinomekhanika)
Third Conference of the Scientific and Technical Commission on Projection Equipment. Tekh. kino i telev. 7 no. 11:93-94 N '63.

MOTION-PICTURE THEATERS
(see also subdivision under Perm)
New motion-picture theaters. Tekh. kino i telev. 7 no. 11:94 N '63.

MOTION PICTURES
(see also subdivision under Estonia; Ukraine; Uzbekistan)
"Appassionata." N. Gonina. Ogonek 41 no. 43;26-27 O '63.
Brief news. Tekh. kino i telev. 7 no. 10:92 O '63.
"Clear sky"; a Soviet motion picture. Zhen. mira no. 11: 30 '61.
Goldovskii, E. M. [New motion-picture systems in the U. S. S. R.] Novye sistemy kinematografa v SSSR. Moskva, Izd-vo "Iskusstvo," 1962. 1 v. (chiefly illus.)
Motion pictures, the theater, and television at present and in the future. A. Kariagin. Vop. kinoisk. no. 7: 149-185 '63.
People of a bold life. Mikhail Vershinin. Sov. profsoiuzy 19 no. 18,46-47 S '63.

MOTION PICTURES—ABSTRACTS
Abstracts section. Tekh. kino i telev. 7 no. 10:78-80 O '63.
Abstracts section. Tekh. kino i telev. 7 no. 11:82-82 N '63.

MOTION PICTURES—EQUIPMENT AND SUPPLIES
New products. Tekh. kino i telev. 7 no. 10:77 O '63.

MOTION PICTURES—SPECIAL EFFECTS
Likhachev, V. A. [Use of pyrotechnics in motion pictures] Pirotekhnika v kino. Izd. 2., ispr. i dop. Moskva, Iskusstvo, 1963. 148 p.

MOTION PICTURES, DOCUMENTARY
Films from films. Jay Leyda. Vop. kinoisk. no. 7,290-317 '63.
Life on the screen. M. Serber. Nar. obr. no. 12:98-99 D '63.

MOTION PICTURES, TALKING
Trakhtenberg, L. S. [Motion pictures and the operator of sound recording and reproducing systems] Kinofil'm i zvukooperator. Moskva, Iskusstvo, 1963. 100 p.

MOTION PICTURES, TALKING—EQUIPMENT AND SUPPLIES
Fedoseeva, E. O. [Sound-reproducing equipment for motion-picture theaters] Zvuko-vosproizvodiashchaia apparatura kino-ustanovok. Moskva, Izd-vo "Iskusstvo," 1963. 279 p. diagrs. insert.

MOTION PICTURES IN AGRICULTURE
[Motion pictures in a club; a collection of articles] Kino v klube; sbornik statei. Moskva, Sovetskaia Rossiia, 1963. 115 p. (Bibliotechka v pomoshch sel'skomu klubnomu rabotniku, no. 9)

MOTION PICTURES IN FORESTRY
A new motion picture on forests. Les. khoz. 16 no. 9: 74 S '63.

MOTION PICTURES IN INDUSTRY
(see also subdivision under Odessa)
Amateur movie group. IU. P. Nosovskii. Opyt rab. po tekh. inform. i prop. no. 3:41-42 '63.

MOTOR ABILITY
Effect of proprioception on the perspiration under normal and pathological conditions. B. M. Datskovskii. Eksp. issl. po fiziol., biokhim. i farm. no. 3:83-91 '61.
Functional interrelation between the tonus of the skeletal musculature and arterial pressure. A. A. Kozello, M. R. Mogendovich. Eksp. issl. po fiziol., biokhim. i farm. no. 3,27-39 '61.
State of the motor analysor and the orthostatic reflex in the hyperthyroid form of goiter. N. L. Riskin. Eksp. issl. po fiziol., biokhim. i farm. no. 3:107-117 '61.

MOTOR FUELS
Livanov, A. P., IU. A. Pospelov, and A. V. Sofronov. [Organization of fuel and lubrication service at logging camps] Organizatsiia goriuche-smazochnogo khoziaistva v lespromkhozakh. Moskva, Goslesbumizdat, 1963. 199 p.

MOTOR VEHICLES
Abroad. Avt. transp. 41 no. 11:59-62 N '63.
Stimulate the increase in reliability and durability of motor vehicles. A. F. Dergachev. Avt. prom. 29 no. 11: 1-3 N '63.

MOTOR VEHICLES—BRAKES
Using hydraulic torque converters in braking motor vehicles. I. A. Levin. Avt. prom. 29 no. 11:12-13 N '63.

MOTOR VEHICLES—CLEANING
Using elastic sonic and ultrasonic vibrations in washing parts. B. Belov. Avt. transp. 41 no. 11:30-33 N '63.

MOTOR VEHICLES—DESIGN AND CONSTRUCTION
Litvinov, A. S., R. V. Rotenberg, and A. K. Frumkin. [Motor-vehicle chassis; construction and elements of design] Shassi avtomobilia; konstruktsiia i elementy rascheta. Moskva, Mashgiz, 1963. 502 p.

MOTOR VEHICLES—ELECTRIC EQUIPMENT
Barabanov, V. E., V. I. Vasilevskii, and S. M. Levin. [Electric equipment of tractors and motor vehicles] Elektrooborudovanie traktorov i avtomobilei. Moskva, Sel'khozizdat, 1963. 390 p.

MOTOR VEHICLES—ENGINES

Chistozvonov, S. B., and N. S. Khanin. [Modern foreign motor-vehicle diesel engines, survey] Sovremennye zarubezhnye avtomobil'nye dizeli, obzor. Moskva, 1963. 171 p. (Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. Serila III Novye mashiny, oborudovanie i sredstva avtomatizatsii, no. 66)

Determining causes for the breaking of counterbalance bolts of IAMZ engine crankshafts. V. I. Raskin, G. I. Semenov. Avt. prom. 29 no. 11 14-15 N '63.

Senichkin, G. V., and A. G. Senichkin. [Engine in operation] Dvigatel' v puti. Moskva, Izd-vo DOSAAF, 1963. 95 p.

Starting characteristics of engines and methods for their evaluation. G. Losavio. Avt. transp. 41 no. 11:21-22 N '63.

MOTOR VEHICLES—FUEL SYSTEMS

Lenin, I. M., O. M. Malashkin, and G. I. Samoil'. [Fuel feed systems of motor-vehicle and tractor engines] Sistemy toplivopodachi avtomobil'nykh i traktornykh dvigatelei. Moskva, Mashgiz, 1963 312 p.

MOTOR VEHICLES—MAINTENANCE AND REPAIR

Abelevich, L. A. [Running-in and testing motor-vehicle units in overhauling] Prirabotka i ispytanie agregatov avtomobilei pri kapital'nom remonte. Pod red. V. V. Efremova. [Moskva] Rosvuzizdat, 1963. 42 p.

Assembly of the reductor and front axle by the selective trial-and-error method. K. Koshkin and others. Avt. transp. 41 no. 11:26-30 N '63.

Kakuevitskii, V. A. [Centralized reconditioning of motor-vehicle parts] TSentralizovannoe vosstanovlenie avtomobil'nykh detalei; voprosy organizatsii i tekhnologii. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1963. 169 p.

Rodygin, A. A. [Modern methods for repairing motor vehicles] Sovremennye metody remonta avtomobilei. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 157 p.

Voreshchak, F. P. [Reconditioning motor-vehicle parts by electrolytic deposition] Vosstanovlenie avtomobil'nykh detalei gal'vanicheskim narashchivaniem. [n. p.] Rosvuzizdat, 1963. 33 p.

MOTOR VEHICLES—TESTING

Sokolov, O. V. [Investigating the performance of motor-vehicle mechanisms under operating conditions] Issledovanie rezhimov raboty mekhanizmov avtomobilia v ekspluatatsionnykh uslovilakh. Moskva, Avtotransizdat, 1963. 39 p.

MOTOR VEHICLES—TIRES

Biderman, V. L., ed. [Motor-vehicle tires; design, construction, testing, and operation] Avtomobil'nye shiny' konstruktsiia, raschet, ispytanie, ekspluatatsiia. [By] V. L. Biderman i dr. Moskva, Goskhimizdat, 1963. 382 p.

Potentialities for increasing the durability of tires. S. Vavilov, A. Ludchenko. Avt. transp. 41 no. 11:5 N '63.

TSukerberg, S. M. [New motor-vehicle tires] Novye avtomobil'nye shiny. Pod red. G. V. Kramarenko. [Moskva] Rosvuzizdat, 1963. 64 p.

MOTOR VEHICLES—TRANSMISSION DEVICES

The KOM-68 power take-off box. A. S. Mechev. Avt. prom. 29 no. 11:25-26 N '63.

MOTORBOAT ENGINES

Glushchenko, M. S., -B. V. Kuznetsov, and I. I. Shpinar. [Motorboat engines] Lodochnye dvigateli. Kiev, Gostekhizdat USSR, 1963. 179 p.

MOTORBOATS—SPEED

Drop in the speed of passenger launches in shallow waters having a current. V. Pavlenko, A. Polunin. Rech. transp. 22 no. 11:35-36 N '63.

MOTORBUSES see subdivision under Lvov

MOTORBUSES—ENGINES

Operation of the ZIL-130IA engines. Avt. transp. 41 no. 11:17-18 N '63.

MOTORBUSES—MAINTENANCE AND REPAIR

Characteristics of the overhaul of motorbuses. V. Isaev, M. Podshchekoldin. Avt. transp. 41 no. 11:34-37 N '63.

MOTORBUSES—TIRES

Selecting tires for motor buses. V. I. Knoroz, A. S. Reznikov, G. V. Gubarev. Avt. prom. 29 no. 11:19-23 N '63.

MOTORCYCLE RACING

Mother gives the interview. Boris Semenov. Smena 40 no. 17:28-29 S '63.

MOTORCYCLES

Ivkov, I. M. [Methods for training motorcycle drivers] Metodika obucheniia vozhdeniiu mototsikla. Moskva, Izd-vo DOSAAF, 1963. 128 p.

MOTORCYCLES—MAINTENANCE AND REPAIR

Zotov, I. G. [Preparing motorcycles for competitions] Podgotovka mototsiklov k sorevnovaniiam. Moskva, Izd-vo DOSAAF, 1963. 119 p.

MOTORCYCLING

Some data on the characteristics of injuries due to motorcycling. A. I. Kuz'min. Sud.-med. ekspert. 6 no. 4:16-18 O-D '63.

MOTORIZATION, MILITARY

Advanced experience into practice. A. Belcborodov. Voen. vest. 43 no. 11:20-23 N '63.

Easily controlled. L. Kozlovskii, IA. Davydov. Voen. vest. 43 no. 11 39-43 N '63.

MOTORSHIPS

Motorship "Orenburg." I. A. Zaitsev, B. A. Goloburdin. Sudostroenie 29 no. 10:1-6 O '63.

Reversibility of motorships with fixed and controllable pitch propellers. G. G. Martirosov. Sudostroenie 29 no. 10 7-11 O '63.

MOTORSHIPS—NOISE

Measures for power plant noise reduction on gas turbine powered ships of the type "Pavlin Vinogradov." L. I. Bushanskaia. Sudostroenie 29 no. 10:30-33 O '63.

MOTORTRUCKS

(see also subdivision under Great Britain)

Sand cleans gasoline; plastics instead of boring; motor-truck without a body. A. Stroganov. Izobr. i rats. no. 11:13, 38 '63.

MOTORTRUCKS—CATALOGS

Gor'kovskii avtomobil'nyi zavod imeni Molotova, Gorki. [Catalog of spare parts for the GAZ-51A, GAZ-63 and GAZ-63A motortrucks] Katalog zapasnykh chastei gruzovykh avtomobilei GAZ-51A, GAZ-63 i GAZ-63A. Moskva, Mashgiz, 1963. 238 p.

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. ["Motor vehicles of the U. S. S. R." catalog, the GAZ-51, GAZ-51A, GAZ-63 and GAZ-63A motortrucks; structural changes and the interchangeability of parts and units] Katalog-spravochnik "Avtomobili SSSR"; avtomobili GAZ-51, GAZ-51A, GAZ-63, GAZ-63A; konstruktivnye izmeneniia i vzaimozameniaemost' detalei, uzlov i agregatov Moskva, 1963. 74 p

MOTORTRUCKS—MAINTENANCE AND REPAIR

Motortruck repairing train. V. Gankin, V. Rozdul. Tekh. v sel'khoz. 23 no. 9:76-78 S '63.

Selecting indices of maintenance systems for motortrucks in agriculture. V. N. Vorob'ev. Sbor. rab. GOSNITI no. 16, 28-38 ['61].

MOUNTAIN WARFARE

Defense in the mountains. A. Dorofeev. Voen. vest. 43 no. 11:86-90 N '63.

MOUNDS see subdivision under Beshkapa Valley; Inkerman Valley

MOUNTAINEERING

People of great eminence; from the cycle "Pages of reminiscences." Nikolai Tikhonov. Znamia 33 no. 6:70-97 Je '63.

MOUTH

Glycogen in the epithelium of the oral cavity in man and animals and its importance. L. I. Falin. Teor. i prak. stom. no. 5:47-59 '61.

Morphological changes in the mucous membrane of the oral cavity in lichen ruber planus. S. M. Bazarnova. Teor. i prak. stom. no. 5:83-85 '61.

MOUTH—DISEASES

Changes in the oral cavity in systemic diseases. G. A. Alekseev. Fel'd. i akush. 28 no. 8:26-29 Ag '63.

Dissociations of the physiological functions of the oral cavity. P. G. Snitkin. Teor. i prak. stom. no. 5:105-110 '61.

Results of examining the oral cavity and the teeth of children in some Voronezh kindergartens. IU. I. Ritshcheva. Trudy Vor. med. inst. 47:118-119 '62.

MOUTH—INNERVATION

Mechanism of the formation and healing of trophic ulcers of neurogenic origin. V. A. Kuritsyna. Teor. i prak. stom. no. 5:75-82 '61.

MOUTH—WOUNDS AND INJURIES

Changes in the glycogen content within the epithelium of the mucous membrane of the oral cavity in the process of regeneration. V. V. Gemonov. Teor. i prak. stom. no. 5:60-65 '61.

MOYYERO VALLEY—GEOLOGY, STRATIGRAPHIC

Miagkova, E. I., and others. [Stratigraphy of Ordovician and Silurian sediments in the Moyyero Valley; Siberian Platform] Stratigrafiia ordovikskikh i siluriiskikh otlozhenii doliny reki Moiero; Sibirskaia platforma. Moskva, Izd-vo Akad. nauk SSSR, 1963. 63 p.

MOZHAYSK RESERVOIR—HYDROBIOLOGY

Review of the book "Ucha and Mozhayek Reservoirs; hydrobiological and ichthyological studies." V. I. Zhadin. Zool. zhur. 42 no. 9:1425-1427 '63.

MOZHAYSK RESERVOIR REGION—ANTIQUITIES

Work results of the Mozhaysk Expedition. A. F. Dubynin. Krat. soob. Inst. arkheol. no. 94:54-63 '63.

MSTISLAVL'—ANTIQUITIES

The ancient site of Devich'ya Gora in Mstislavl'. L. V. Alekseev. Krat. soob. Inst. arkheol. no. 94:73-78 '63.

MUCOUS MEMBRANE

Morphological changes in the mucous membrane of the oral cavity in lichen ruber planus. S. M. Bazarnova. Teor. i prak. stom. no. 5:83-85 '61.

Physiological regeneration of the mucous membrane of the cheek in some mammals in connection with food intake. A. B. Kalnenick, G. S. Uspenskaia. Teor. i prak. stom. no. 5:66-74 '61.

Submicroscopic structure of the needlelike crystals of epithelial cells of the intestinal mucous membrane and their place in the endoplasmatic reticulum system. N. M. Shestopalova, V. N. Reingol'd, V. M. Borisov. Dokl. AN SSSR 153 no. 2:454-456 N '63.

MUD VOLCANOES

Origin of mud volcanoes in the light of recent data. A. O. Durmish'ian. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 12:21-26 '61.

MUKHANOVO REGION—PETROLEUM—ANALYSIS

Study of petroleums in the Mukhanovo field. A. K. Kotina, E. M. Chikhacheva. Trudy VNIGRI no. 212, Geokhim. sbor. no. 8:162-192 '63.

MULTIPLE BIRTH see Birth, Multiple

MUNITIONS

(see also subdivision under Great Britain)

The Walcott case. I. A. Nov. vrem. 21 no. 51:32-33 D '63.

MURASHKO, OLEKSANDR OLEKSANDROVYCH, 1875-1919

Murashko, O. O. Oleksandr Oleksandrovych Murashko, 1875-1919. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1959. 10 p. 20 plates

MURDER

These stories are told to us by a collection of buttons (continuation). E. Finn. Sots. zakon. 40 no. 10:71-74 O '63.

These stories were told to us by a collection of buttons (to be continued). E. Finn. Sots. zakon. 40 no. 9:46-51 S '63.

Who is to blame? R. Muginov, M. Frenkel'. Sots. zakon. 40 no. 10:66-70 O '63.

MURMANSK PROVINCE—FOREST REPRODUCTION

Natural regeneration of pine forests in Murmansk Province. V. V. Repnevskii. Les. khoz. 16 no. 9:14-16 S '63.

MURMANSK PROVINCE—PINE

Natural regeneration of pine forests in Murmansk Province. V. V. Repnevskii. Les. khoz. 16 no. 9. 11-16 S '63.

MUROM—YOUTH

It happened in a famous city.... L. Volkova. Mol. komm. no. 9:90-91 S '63.

MUSALLA MOUNTAIN, BULGARIA—COSMIC RAYS—RESEARCH

A little above the Olympian gods. Milen Marinov. Znan. sila 38 no. 9:20-22 S '63.

MUSAMUKHAMEDOV, RIZAMAT

A good trace on earth. N. Artem'ev. Part. zhizn' [Uzb.] 6 no. 6:82-84 Je '63.

MUSCLE

After-slaughter changes in the histological structure of the muscular tissues of mutton. A. A. Sokolov, Mokhamed Samir el-Dashluty. Izv. vys. uchebn. zav., pishch. tekh. no. 5:87-91 '63.

MUSCLE RELAXANTS

Use of intratracheal anesthesia with muscle relaxants in severe injury under conditions of emergency surgical treatment. IU. V. Shaplro. Khirurgiia 39 no. 7:121-122 Jl '63.

MUSCLES

Direct effect of physical exercises on the muscular tonus and arterial pressure in hypotension. I. B. Tomkin. Eksp. issl. po fiziol., biokhim. i farm. no. 3:93-98 '61.

Effect of aminazine on cutaneous visceral and motor visceral reflexes. V. P. Kolychev. Eksp. issl. po fiziol., biokhim. i farm. no. 3:203-209 '61.

Effect of the adrenocorticotropic hormone on the functional state of the neuromuscular apparatus. L. V. Turbina. Trudy Khab. med. inst. 23 no. 2:44-46 '62.

Effect of vibration and muscular tension on the heart. V. I. Bel'tiukov. Eksp. issl. po fiziol., biokhim. i farm. no. 3:141-149 '61.

Mechanism of the cutaneous galvanic reflex in muscular tensions. A. G. Markin. Eksp. issl. po fiziol., biokhim. i farm. no. 3:171-184 '61.

MUSCLES (Continued)

Mechanisms of the therapeutic effect of novocaine treatment of the musculus scalenus anterior in cervical osteochondrosis. IA. IU. Popelianskii. Eksp. issl. po fiziol., biokhim. i farm. no. 3:125-131 '61.

Methodology of the determination of the muscular tonus in man. A. K. Chuvaev. Eksp. issl. po fiziol., biokhim. i farm. no. 3:159-170 '61.

Relation of the motor cardiac reflexes in man to posture. V. I. Bel'tiukov. Eksp. issl. po fiziol., biokhim. i farm. no. 3:135-140 '61.

Role of the respiratory musculature in the reflex regulation of the respiration and blood circulation. Report No. 1 Some changes in the respiration during a deliberate holding of the breath. A. K. Chuvaev. Eksp. issl. po fiziol., biokhim. i farm. no. 3:151-158 '61.

MUSCLES—ABNORMITIES AND DEFORMITIES

Distribution and frequency of muscular lesions and deformities in patients with poliomyelitis sequelae. B. A. Pugrebniak. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:65-71 '59.

MUSCLES—DISEASES

Effect of ACTH on adrenaline and noradrenaline excretion in the urine in myopathy [with summary in English]. F. A. Matlina, D. I. Shagal, Pr. obl. endok. i gorm. 9 no. 5:66-70 S-O '63.

So-called thyrotoxic myopathy. D. I. Fridberg. Klin. med. 40 no. 11:125-128 N '62.

MUSCULAR SENSE

Contracting function of the uterus and the effect of kinesthetic stimulations on it. V. M. Klebanov. Eksp. issl. po fiziol., biokhim. i farm. no. 3:221-224 '61.

MUSCULOSKELETAL SYSTEM

Functional interrelation between the tonus of the skeletal musculature and arterial pressure. A. A. Kozollo, M. M. Mogendovich. Eksp. issl. po fiziol., biokhim. i farm. no. 3:27-39 '61.

MUSEUMS see also subdivision 'Art galleries and museums' under Kiev; Rumania

MUSIC see subdivision under Armenia; Azerbaijan; Georgia

MUSIC—HISTORY AND CRITICISM

Contemporary music and the humanistic ideal. I. Ryzhkin. Vop. ent. no. 5:121-130 '62.

In step with time. T. N. Khrennikov. Smena 40 no. 13: 16-19 J1 '63.

Shakhnazarova, N. G. [Music of the peoples of the U. S. S. R.] Muzyka narodov SSSR. Moskva, Muzgiz, 1963. 27 p. (Pervonachal'naia muzykal'naia biblioteka. V pomoshch slushateliam universiteta kul'tury)

Szymanowski, Karol. [Selected articles and letters. Translated from the Polish] Izbrannye stat'i i pis'ma. Leningrad, Muzgiz, 1963. 252 p.

MUSIC—PSYCHOLOGY

Kogan, G. M. [At the gates of mastery; psychological grounds for success in pianistic work] U vrat masterstva; psikhologicheskie predposylki uspeshnosti pianisticheskoi raboty. Moskva, Sovetskii kompozitor, 1961. 114 p.

MUSIC—THEORY

Vakhromeev, V. A. [Elementary theory of music] Elementarnaia teoriia muzyki. 4. izd. Moskva, Muzgiz, 1963. 243 p.

MUSIC, KAZAKH

Alma-Ata. Gosudarstvennaia konservatoriia. [Essays on the history of Soviet Kazakh music] Ocherki po istorii kazakhskoi sovetskoi muzyki. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. lit-ry, 1962. 305 p. (NIC)

MUSICAL INSTRUMENTS, UKRAINIAN—JUVENILE LITERATURE

Bobrovnykov, IE. N. [Play, music!] Hrai, muzyko. [Kyiv, Dytvydav, 1963] 98 p.

MUSICIANS, POLISH—CORRESPONDENCE, REMINISCENCES, ETC.

Szymanowski, Karol. [Selected articles and letters. Translated from the Polish] Izbrannye stat'i i pis'ma. Leningrad, Muzgiz, 1963. 252 p.

MUSTARD GAS—THERAPEUTIC USE

Use of psoriasine in psoriasis. I. I. Pototskii. Vest. derm. i ven. 37 no. 7:23-26 J1 '63.

MUTTON

After-slaughter changes in the histological structure of the muscular tissues of mutton. A. A. Sokolov, Mokhamed Samir el-Dashluty. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:87-91 '63.

MUTUAL ECONOMIC ASSISTANCE COUNCIL

Association of equals. IUrii Kormnov. Kul't. i zhizn' 7 no. 11:16-19 '63.

Cooperation of socialist countries in the field of power resources. I. Popov. Vop. ekon. no. 10:111-122 O '63.

International proportions of the world socialist economy. A. IA. Mitrofanenko. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 6 50-60 N-D '63.

New stage in developing the world socialist system of interstate specialization and cooperation in machinery manufacturing. B. Kireev. Otv. na vop. trud. no. 8: 30-37 Ag '63.

New trends in the trade of the socialist countries; answers to readers' questions. E. Usenko. Nov. vrem. 21 no. 50:18-19 D '63.

Problems of planning the socialist world economy. G. Sorokin. Plan. khoz. 40 no. 12:1-11 D '63.

Proletarian internationalism and socialist economy. G. Karkhin. Mezhdunar. zhizn' 10 no. 11:3-13 N '63.

Scientific and technological cooperation of socialist countries in the field of construction economics. V. Kozlov. Ekon. stroi. no. 11:34-40 N '63.

Structure of and some legal problems in the work of the Mutual Economic Assistance Council. I. Shevchenko. Rad. pravo no. 6:106-110 N-D '63.

Zlobin, I. D. [World socialist market] Mirovoi sotsialisticheskii rynok. Moskva, izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. III Seriia Ekonomika, no. 19)

MYCOBACTERIUM TUBERCULOSIS

Catalase activity of Mycobacterium tuberculosis [with summary in French]. O. Schweiger. Probl. tub. 40 no. 6:88-91 '62.

Experimental study of the antibacterial effect of some antibiotics and chemotherapeutic preparations on a Mycobacterium tuberculosis culture (in vitro). L. V. Shevchenko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:293-295 '59.

Surgical treatment in pulmonary tuberculosis caused by Mycobacterium tuberculosis resistant to antibacterial preparations [with summary in French]. Z. F. Kalandadze, I. P. Kopeiko, P. A. Semenkin. Probl. tub. 40 no. 6:48-51 '62.

MYCOSIS see subdivision under Uzbekistan

MYCOSIS—PREVENTION

Kutsenko, A. K. [Prevention of fungous diseases] Preduprezhdenie gribkovykh zabolevanii (epidermofitii). Leningrad, Medgiz, 1963. 30 p. (DNLM)

MYCOSTATIN

Effect of fats on the formation of nystatin from a highly productive strain of Str. noursei [with summary in English]. L. A. Popova, N. E. Stepanova. Antibiotiki 7 no. 10:868-873 O '62.

Effect of water on the solubility of nystatin in lower alcohols [with summary in English]. G. I. Kleiner, N. V. Ionova. Antibiotiki 7 no. 10:926-929 O '62.

MYINT, SAW, 1922-

Saw Myint. Nov. vrem. 21 no. 47:13 N '63.

MYXOVIRUSES

Effect of actinomycin D and auranitin on the multiplication of some myxoviruses. V. M. Zhdanov, A. G. Bukrinskaia. Vop. virus. 8 no. 2 230-232 Mr-Ap '63.

NAGAYEVO—LONGSHOREMEN

Innovators in the Nagayevo harbor. M. Rozenshtrakh. Mor. flot 23 no. 11:3-5 N '63.

NAGORNO-KARABAKH AUTONOMOUS PROVINCE—HEALTH EDUCATION

The new method justifies itself. Kh. A. Bozian. Sov. zdrav. 22 no. 7:31 '63.

NAGORNO-KARABAKH AUTONOMOUS PROVINCE—PUBLIC HEALTH, RURAL

Feldsher and civic worker. A. B. Balasanian. Fel'd. i akush. 28 no. 8:56-58 Ag '63.

NAIDICH, MATVEI SAMOILOVICH, 1883-1963

M. S. Naidich. Akush. i gin. 39 no. 4:148-149 J1-Ag '63.

NAILS (ANATOMY)—DISEASES

Griseofulvin in the compound treatment of onychomycosis [with summary in English]. R. A. Chalimova. Vest. derm. i ven. 37 no. 7:36-41 J1 '63.

NAKHICHEVAN A. S. S. R.—FLEAS AS CARRIERS OF DISEASE

Ixodid ticks and fleas in a tularemia focus of the Nakhichevan A. S. S. R. K. P. Kadatskaia, L. F. Shirova. Dokl. AN Azerb. SSR 19 no. 4:79-83 '63.

NAKHICHEVAN A. S. S. R.—GEOLOGY, STRATIGRAPHIC

Conditions of contact of the Upper Cretaceous with underlying sediments in the northwestern Nakhichevan A. S. S. R. R. A. Khalafova. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 12:27-31 '61.

NAKHICHEVAN A. S. S. R.—TICKS AS CARRIERS OF DISEASE

Ixodid ticks and fleas in a tularemia focus of the Nakhichevan A. S. S. R. K. P. Kadatskaia, L. F. Shirova. Dokl. AN Azerb. SSR 19 no. 4:79-83 '63.

NAKHICHEVAN A. S. S. R.—TULAREMIA

Ixodid ticks and fleas in a tularemia focus of the Nakhichevan A. S. S. R. K. P. Kadatskaia, L. F. Shirova. Dokl. AN Azerb. SSR 19 no. 4:79-83 '63.

NAKHODKA (MARITIME TERRITORY)—BREAKWATERS

Erection of breakwaters with the use of tetrapods. I. N. Kozerovskii, V. A. Smelov. Transp. stroi. 13 no. 9:32-33 S '63.

NAKHODKA (MARITIME TERRITORY)—REINFORCED CONCRETE CONSTRUCTION

Erection of breakwaters with the use of tetrapods. I. N. Kozerovskii, V. A. Smelov. Tranps. stroi. 13 no. 9:32-33 S '63.

NALBANDIAN, MIKAEL LAZAREVICH, 1829-1866

Pre-Darwinian evolutionist, Russian advanced naturalist Karl Rul'e and Mikael Nalbandian. R. B. Gabrielian. Iz ist. est. i tekh. 1:99-125 '60.

NAMANGAN—COTTON MANUFACTURE

Organizer of the masses. M. Palatskii. Part. zhizn' [Uzb.] 5 no. 10 74-75 O '62.

NAMANGAN—TRAFFIC REGULATIONS

Communists of a leading automotive center. IU. Komar'. Part. zhizn' [Uzb.] 6 no. 10:76-78 O '63.

NAMES, GEOGRAPHICAL
(see also subdivision under Dnieper Valley, Poltava Province; Siberia, Western)

History of names. Nauka i zhyttia 13 no. 10:47 N '63.

Toponymic seminar in Moscow. B. IA. Dumin Izv. AN SSSR Ser. geog. no. 6:140-141 N-D '63.

NANAY DISTRICT—ECONOMIC GEOGRAPHY

Penzin, I. D. [Nanay District; its economic geography] Nanaiskii raion, ekonomiko-geograficheskaia kharakteristika. [Khabarovsk, Khabarovskoe knizhnoe izd-vo] 1961. 125 p. maps. (MH)

NANSEN, FRIDTJOF, 1861-1930

F. Nansen's relief work for famine-stricken Russia, 1921-1922. Submitted by N. P. Barinov, B. P. Gerasimov. Ist. arkh. 8 no. 3 57-69 My-Je '62.

Nansen beyond the Urals. IU. Monchenko. V mire knig 3 no. 11:20 N '63.

NAPHTHENIC ACIDS

Determination of cobalt in cobalt naphthenate. G. P. Svistunova, E. A. Emelin, IA. A. TSarfin. Plast. massy no. 11:66-67 '63.

Separation of ammonium salts of naphthenic acids from oil in an electrical field. A. A. Agaev. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 12:95-98 '61.

Use of naphthenic acids as extractants of metals to recover from aqueous solutions. G. Kh. Efendiev, R. A. Alekperov. Azerb. khim. zhur. no. 3:117-124 '62.

NAPHTHOL

Diakyl-β-naphthyl phosphites. Gil'm Kamai, A. S. Khasanov. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5: 799-801 '63.

NAROCH VALLEY—VIEWS

Tam, dze sinee Narach. Where the Narach glows blue. Minsk, Dziarzh. vyd-va BSSR, 1963. [6] p. illus. [Texts in White Russian, Russian, and English]

NATIONALISM see subdivision under Pakistan

NATIONALITIES
(see also subdivision under India; Kirghizistan)

Amalgamation of nations is the most important feature of national relations in the U. S. S. R. P. M. Rogachev, M. A. Sverdlin. Nauch. dokl. vys. shkoly; filos. nauki 6 no. 4:131-134 '63.

Bachyns'kyi, P. P. [For the united family of Soviet nations] Za iedynu sim'iu radians'kykh narodiv. Kyiv, 1962. 43 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR, Seriia 1, no. 13)

The breed of young internationalists. A. Sharifov. Komsom. zhizn' no. 18:5-7 S '63.

Discussing the problem of the colonial policy of the pre-revolutionary government. A. N. Sakharov. Vop. ist. 38 no. 11:148-153 N '63.

"Formation and development of socialist nations in the U. S. S. R." by Sh. V. Batyrov. Reviewed by E. V. Tadevosian. Vop. ist. 38 no. 12:115-117 D '63.

"Formation of socialist nations in the U. S. S. R." Reviewed by N. V. Mansvetov. Vop. ist. 38 no. 11:113-116 N '63.

Khanazarov, K. Kh. [National languages and the drawing together of the nationalities in the U. S. S. R.] Sblizhenie natsii i natsional'nye iazyki v SSSR. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1963. 240 p.

Living in friendship with the great Russian people. A. Tokombaev. Part. zhizn' Kazakh. 33 no. 11:50-52 N '63.

Organization and work of the Commissariat of the White Russian Nation, 1918-1919. V. A. Krutalevich. Ist. SSSR 7 no. 6:115-126 N-D '63.

NATIONALIZATION OF LAND see Land, Nationalization of

NATIVISM see subdivision under United States

NATURAL GAS see Gas, Natural

NATURAL HISTORY see subdivision under West Siberian Plain

NATURAL HISTORY—PHILOSOPHY

Petushkova, E. V. [Qualitative characteristics of reflection in the inorganic nature] Kachestvennye osobennosti otrazhenila v nezhivoi prirode. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovanila BSSR, 1963. 58 p.

NATURAL RESOURCES see subdivision under Irkutsk Province; Northern Anyuy Range; Selenga Valley

NATURAL RESOURCES—LAW AND LEGISLATION

Moscow. Vsesoiuznyi institut iuridicheskikh nauk. [Legal problems of conservation in the U. S. S. R.] Pravovye voprosy okhrany prirody v SSSR, sbornik statei. Otv. red. G. N. Poliianskaia. Moskva, Gosiurizdat, 1963. 331 p.

NATURE, HEALING POWERS OF

Parfenov, A. P. [Healing properties of nature] TSelebnye svoistva prirody. Leningrad, Ob-vo po rasprostraneniiu politicheskikh i nauchn. znanii RSFSR, 1963. 42 p. (DNLM)

Sarkizov-Serazini, I. M. [Sources of life] Istochniki zhizni, izd. 2. Moskva, Fizkul'tura i sport, 1963. 46 p. (Bibliotechka "Fizkul'tura i zdorov'e"). (DNLM)

NATURE IN LITERATURE
(see also subdivision under White Russia)

Poetic landscapes by Wanda Wasilewska. L. M. Vengerov. Mizhslov. lit. vzaiem. no. 3 290-306 '63.

NATURE IN POETRY

Dement'ev, V. V. [Poets born of the land; literary criticism] Poety ot zemli, literaturno-kriticheskie ocherki. Moskva, Sovetskaia Rossiia, 1963. 222 p. (Literaturnaia Rossiia)

NATURE STUDY see subdivision under Soviet Far East, Vologda Province

NAUMCHEV, IURII

Best fins in the country. V. Maksimenko. Sov. voin 45 no. 12:45 Je '63.

NAUTICAL ASTRONOMY—PROBLEMS, EXERCISES, ETC.

Machine algorithms for the calculation of equatorial coordinates of sun and stars on electronic digital computers used in navigation. K. N. Denisov, V. D. D'iakonov. Trudy TSNIIMF 8 no. 47:74-81 '63.

NAUTICAL CHARTS

Selecting cartographic projections for modeling automatic course plotting in hyperbolic radio navigation systems on small vessels. B. A. Vul'fovich. Trudy TSNIIMF 8 no. 47:96-113 '63.

NAUTICAL TRAINING SCHOOLS see subdivision under Soviet Far East

NAVAL ARCHITECTURE

Motorship "Orenburg." I. A. Zaitsev, B. A. Goloburdin. Sudostroenie 29 no. 10:1-8 O '63.

NAVAL ARCHITECTURE—TABLES, CALCULATIONS, ETC.

Determining the empty weight of a ship by its deadweight. E. G. Logvinovich. Sudostroenie 29 no. 10:11-13 O '63.

NEAR EAST—HISTORY

Akademiia nauk SSSR, Institut narodov Azii. [Reader on the history of the ancient East] Khrestomatiia po istorii drevnego Vostoka. Pod red. V. V. Struve i D. G. Redera. Moskva, Izd-vo vostochnoi lit-ry, 1963. 543 p.

NEBULAE

Infrared observations of the Crab nebula (with summary in English). V. I. Moroz. Astron. zhur. 40 no. 6:982-993 N-D '63.

NECK—DISEASES

Mechanisms of the therapeutic effect of novocaine treatment of the musculus scalenus anterior in cervical osteochondrosis. IA. IU. Popeliianskii. Eksp. issl. po fiziol., biokhim. i farm. no. 3 125-131 '61.

NECK—FRACTURE

Fractures of the cervical portion of the spine in suicide by hanging. E. IA. Sokolov. Sud.-med. ekspert. 6 no. 1:43 O-D '63.

NECK—SURGERY

Mukhin, M. V., ed. [Operative maxillofacial surgery] Operativnaia chelliustno-litsevaia khirurgiia. Leningrad, Medgiz, 1963. 356 p. (DNLM)

NECK—WOUNDS AND INJURIES

Burns on the face and the neck. M. V. Mukhin. Med. sestra 22 no. 10:13-19 O '63.

NEFTECHALA REGION—PETROLEUM GEOLOGY

Outlook for oil in the light of recent data on the southeastern edge of the Neftechala anticline. Kh. M. Rzaev, A. B. Dzhavanshirov. Dokl. AN Azerb. SSR 19 no. 4:27-30 '63.

NEGRO RACE

Travinskii, V. M. [The fortunes of the black people] Chernye sud'by. Leningrad, Detgiz, 1963. 190 p.

NEHRU, RAMESHWARI, 1886-

Rameshwari Nehru, a charming and wonderful woman. Chitra Sen. Zhen. mira no. 12:18-19, 22 '61.

NEKALS

Combined effect of nekal and some other organic compounds on the biochemical processes in polluted waters. IA. I. Taradin. Trudy Vor. med. inst. 47:27-33 '62.

Effect of the simultaneous presence of styrene and nekal on the flavor of water. V. A. Makrinov. Trudy Vor. med. inst. 47:34-35 '62.

NEKRASOV, NIKOLAI ALEKSEEVICH, 1821-1877

Nekrasov as a publisher. S. Ishkova. V mire knig 3 no. 10:46-47 O '63.

NEMAN-DNIEPER CANAL

Neman - Dnieper. L. Rudnitskii. Tekh. mol. 31 no. 11. 5-7 '63.

NEMAN RIVER—FRESHWATER FAUNA

Radioactivity of some organisms in the Neman River (with summary in English). F. V. Gintovt, O. G. Mironov. Zool. zhur. 42 no. 10:1574-1576 '63.

NEMATODA—BIOLOGICAL CONTROL

Soprunov, F. F., and S. F. Shagalin. [Preparation from predatory fungi and its use in controlling parasitic roundworms] Preparat khishchnykh gribov i ego primenenie v bor'be s kruglymi paraziticheskimi cherviami. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 18 p.

NEMERTINEA see subdivision under Kandalaksha Bay

NENETS NATIONAL AREA—ARCTIC FOX

Biological observations on Arctic foxes and measures for their protection in Archangel Province and adjacent areas. N. I. Dement'ev. Okhr. prir. i ozel. no. 3:31-51 '60.

NENETS NATIONAL AREA—REINDEER

Warmed soil. A. Kaniukov. Part. zhizn' no. 24:54-57 D '63.

NEOPRENE

Effect of deformation conditions on the dynamic stability of nairit rubbers. I. T. Gridunov, S. F. Priakhina, A. A. Sokolovskii. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:851-855 '63.

NEPHELITE see subdivision under Kazakhstan

NERVES

Effect of the adrenocorticotropic hormone on the functional state of the neuromuscular apparatus. L. V. Turbina. Trudy Khab. med. inst. 23 no. 2:44-48 '62.

Some frequency transformations studied on the models of neurons (with summary in English). V. A. Ganzen, R. M. Granovskaia. Vest. LGU 18 no. 21:155-160 '63.

NERVES—SURGERY

Method of treating nerve trunks in amputations. M. F. Kamaev. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:226-226 '59.

Surgical restriction of the function of the mimetic muscles in the intact half of the face in lesions of the facial nerve (with summary in English). A. T. Titova. Vest. khir. 90 no. 6:60-66 Je '63.

NERVES, CARDIAC see Heart—Innervation

NERVES, PERIPHERAL—DISEASES

Changes in the peripheral nerve branches under the effect of vibration; experimental research (with summary in English). N. I. Karpova. Arkh. pat. 25 no. 7:49-53 '63.

NERVES, SPINAL

Neurotrophic disorders of the osteoarticular apparatus in lumbosacral radiculitis (with summary in English). P. A. Bugaenko. Vrach. delo no. 11 65-69 N '63.

NERVOUS SYSTEM

Effect of endocrine gland reception on higher nervous activity and on its possible participation in mental disorders of endocrine origin (with summary in English). P. M. Kaplan, M. M. Turubiner. Probl. endok. i gorm. 9 no. 5:49-54 S-O '63.

Immunological reactivity and the typological characteristics of higher nervous activity. A. M. Monaenkov. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:133-140 '58.

Koshtoiants, Kh. S. [Problems of the enzyme chemistry of stimulation and inhibition processes and the evolution of the functions of the nervous system] Problemy enzimokhimii protsessov vozbuzhdeniia i tormozheniia i evoliutsii funktsii nervnoi sistemy; dolozheno na sessii otdeleniia fiziologicheskikh nauk, posviashchennoi 75-letiiu so dnia rozhdeniia akademika L. A. Orbeli i sessii, posviashchennoi 75-letiiu so dnia rozhdeniia akademika A. D. Speranskogo 17 marta 1961 goda. Moskva, Izd-vo Akad. nauk SSSR, 1963. 30 p. (Bakhovskie chteniia, no. 17)

Motor renal reflexes in pathology. M. R. Mogendovich, M. G. Ryklin. Eksp. issl. po fiziol., biokhim. i farm. no. 3:49-60 '61.

Neural compensation in an infectious process and asymptomatic infection. O. IA. Ostryi, Z. I. Sobieva. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:23-36 '58.

Relation between the reactivity of animals to the dysentery antigen and the functional state of the nervous system. A. M. Monaenkov. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:27-32 '58.

Role of the nervous system in the course and the outcome of gas gangrene in guinea pigs. E. A. Skvirskaia, R. IA. Zel'manovich. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:100-109 '58.

Sex formation in animals as related to the combination of the types of the nervous systems of the male and female (with summaries in English, German, and French). V. N. Karlov. Vest. sel'khoz. nauki 8 no. 6:64-66 Je '63.

Significance of prolonged functional stress of the central nervous system in the development of arteriosclerosis in dogs. P. S. Khomulo. Dokl. AN SSSR 152 no. 3: 727-729 S '63.

Some problems of recovery. G. N. Kryzhanovskii. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:110-128 '58.

State of the nervous system under the effect of SHF. M. N. Sadchikova. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:32-35 '60.

Study of correlations between the basic neutral processes in rats under the effect of SHF of various intensity. I. A. Kitaevskaia. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:75-80 '60.

Trophic action of urea and its use in the treatment of neurotrophic skin diseases (with summary in English). E. E. Martinson, A. J. Lind. Vest. derm. i ven. 37 no. 7:21-22 Jl '63.

NERVOUS SYSTEM—DISEASES

Misiuk, N. S., and others. [Elements of topical diagnosis of diseases of the nervous system] Elementy topicheskoi diagnostiki zabolevanii nervnoi sistemy. Minsk, Gosizdat BSSR, 1963. 170 p. (DNLM)

Rheumatic diseases of the nervous system (neurorheumatism). V. E. Levi. Med. sestra 22 no. 11:38-41 N '63.

Somenova-Tian-Shanskaia, V. V. [Acute leukemia and the nervous system] Ostryi leikoz i nervnaia sistema. Leningrad, Medgiz, 1963. 95 p. (DNLM)

Use of ACTH and prednisolone in diseases of the nervous system. M. M. Babich. Vrach. delo no. 11:149 N '63.

NERVOUS SYSTEM—SURGERY

Arterial infusion of blood in terminal states (with summary in English). A. I. Kladovshchikov, A. D. Khitrova. Vest. khir. 90 no. 6:19-22 Je '63.

NERVOUS SYSTEM, AUTONOMIC—DISEASES

Dumping syndrome or the autonomic disease. György Veliásy. Klin. med. 41 no. 7:79-80 Jl '63.

[Multivolume manual on neurology] Mnogotomnoe rukovodstvo po nevrologii. [Leningrad] Medgiz.

Vol. 4. (In two parts. V dvukh chastiakh) [Vascular diseases of the nervous system and diseases of the vegetative nervous system] Sosudistye zabolevaniia nervnoi sistemy i zabolevaniia vegetativnoi nervnoi sistemy. Red. N. K. Bogolepov i V. V. Mikhoev. [1963] 613 p.

NERVOUS SYSTEM, SYMPATHETIC

Role of the adrenals and sympathetic nervous system in fat mobilization in stress states [with summary in English]. S. M. Leites, Chzhou Su [Chou Su]. Probl. endok. i gorm. 9 no. 5:30-35 S-O '63.

NERVOUS SYSTEM, SYMPATHETIC—DISEASES

Coronary pain syndrome in sympathicoganglionitis. N. I. Speranskii, E. I. Sorokina. Klin. med. 41 no. 7:13-18 Jl '63.

NERVOUS SYSTEM, SYMPATHETIC—TUMORS

Clinical aspects and diagnosis of sympathogonioma in children. V. I. Chistiakova. Vop. klin. pat. no. 2:30-37 '61.

NERVOUS SYSTEM, VASOMOTOR

Effect of the adrenocorticotropic hormone on the reactivity of the vasomotor and respiratory centers of sensitized animals. L. V. Turbina. Trudy Khab. med. inst. 23 no. 2:49-52 '62.

NESS, LOCH—SEA SERPENT

The monster of Loch Ness. Priroda 52 no. 10 79-80 '63.

NESTERENKO, PETRO GRIGOR'EVICH, 1900-1963

Petro Grigorovich Nesterenko; obituary. Geol. zhur. 23 no. 5,104 '63.

NETHERLANDS—CHEMICAL WARFARE—SAFETY MEASURES

Foreign military news. Voen. vest. 43 no. 10,124 O '63.

NETHERLANDS—DRAINAGE

Use of pipe drainage in the Netherlands. V. N. Gorinskii. Torf. prom. 40 no. 7:32-33 '63.

NETHERLANDS—ECONOMIC CONDITIONS

Dutch monopolies without colonies. G. Peters. Nov. vrem. 21 no. 51:22-23 D '63.

NETHERLANDS—HISTORICAL RESEARCH

Present-day status and organization of Dutch scholarly research in the field of social and economic history. A. N. Chistozvonov. Vop. ist. 38 no. 12,191-196 D '63.

NETHERLANDS—SHIPBUILDING

Dutch-built ships. Sudostroenie 29 no. 11:72 N '63.

NEUBAUER, THEODOR, 1890-1945

Theodor Neubauer, outstanding German educator and communist; 1890-1945. M. A. Sokolova. Sov. pedag. 27 no. 10:107-118 O '63.

NEURITIS—COMPLICATIONS AND SEQUELAE

Sequelae of experimental neuritis of the vagus nerve. A. M. Chernukh. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:180-195 '58.

NEURITIS, MULTIPLE

Occupational diseases of the hand and arm in locksmiths and assembly men of a furniture factory. A. P. Tiukina, IU. A. Veshchagin. Gig. truda i prof. zab. 7 no. 1:53-55 Ja '63.

NEUROLOGY

Arkhangel'skii G. V. [Essay on the history of foreign neurology from its beginnings to the end of the 19th century] Ocherk po istorii zarubezhnoi nevrologii i istokov do konisa XIX veka; uchebnoe posobie dlia prepodavatelei i studentov meditsinskikh institutov. Moskva, 1-i Mosk. med. in-t im. Sechenova, 1963. 30 p.

NEUROPATHOLOGICAL SOCIETIES see subdivision under Kazan

NEUROPSYCHOHARMACOLOGY

Effectiveness of the treatment of chronic alcoholism based on catamnestic data. D. M. Kulik. Zdrav. Bel. 9 no. 3 34-36 Mr '63.

NEUTRON DIFFRACTION CRYSTALLOGRAPHY

Neutron diffraction [translated from the English]. G. E. Bacon. Usp. fiz. nauk 81 no. 2:335-400 O '63.

NEUTRON DIFFRACTION EXAMINATION

Neutron diffraction examination of magnetic ordering and atomic displacements in certain iron-containing Perovskite type substances with special dielectric properties. S. V. Kiselev and others. Fiz. tver. tela 5 no. 11:3312-3316 N '63.

NEUTRON SOURCES

Corrections for counting losses in the operation of pulsed sources. I. F. Zhezherun. Prib. i tekh. eksp. 8 no. 4:76-82 Jl-Ag '63.

Fradkin, G. M. [Isotopic neutron sources] Izotopnye istochniki neitronov; spravochnik. Moskva, Gosatomizdat, 1963. 86 p.

NEUTRON SPECTROMETERS

Fast neutron spectrometer with a boron hydride scintillator. V. N. Avaev and others. Prib. i tekh. eksp. 8 no. 4:39-45 Jl-Ag '63.

Fast neutron spectrometry with the aid of lithium iodide scintillating single crystals. V. V. Matveev and others. Prib. i tekh. eksp. 8 no. 4:46-48 Jl-Ag '63.

Mechanical neutron chopper with synchronized rotating collimator. S. M. Kalebin, G. V. Rukolaine, V. V. Sokolovskii. Prib. i tekh. eksp. 6 no. 4:48-53 Jl-Ag '63.

NEUTRONS

Design of a neutron spin rotator. IU. V. Taran. Atom. energ. 15 no. 5:413-414 N '63.

Estimation of the neutron irradiation dose capable of changing the mechanical properties of pure metals. V. K. Adamovich. Atom. energ. 15 no. 5:430-432 N '63.

Ivanov, A. N., and N. F. Pravdiuk. [Effect of neutron irradiation on the electric resistance of certain metals] Vliianie neitronnogo obluchenila na elektrosoprotivlenie nekotorykh metallov. Moskva, In-t atomnoi energii im. I. V. Kurchatova, 1960. 23 p.

Measuring the density distribution of thermal neutrons along the radius of plug type fuel elements. V. F. Belkin, B. P. Kochurov, O. V. Shvedov. Atom. energ. 15 no. 5:377-381 N '63.

Use of a slide rule in determining the energy of neutrons from the paths of recoil protons in a nuclear photoemulsion. B. M. IAkovlev, A. A. IAtis. Izv. vys. ucheb. zav., fiz. no. 3:127-130 '63.

NEUTRONS—CAPTURE

Measuring the capture cross sections of 5-200 Kev. neutrons for U^{238} and Th^{232}. V. A. Tolstikov, L. E. Sherman, IU. IA. Stavisskii. Atom. energ. 15 no. 5:414-415 N '63.

Zhezherun, I. F., and others. [Measuring the moderation length of fission neutrons in sintered beryllium oxide up to an energy of 1.44 ev. (resonance of indium)] Izmerenie dliny zamedlenila neitronov delenila v spechennoi okisi berillila do energii 1,44 ev (rezonans indila). Moskva, In-t atomnoi energii im. I. V. Kurchatova, 1960. 22 p.

Zhezherun, I. F., I. P. Sadikov, and A. A. Chernyshov. [Measuring the moderation length of fission neutrons up to an energy of 0,3 ev. in sintered beryllium oxide] Izmerenie dliny zamedlenila neitronov delenila do energii 0,3 ev, v spechennoi okisi berillia. Moskva, In-t atomnoi energii AN SSSR, 1960. 17 p.

NEUTRONS—MEASUREMENT

Distribution of thermal neutrons, allowing for deceleration, as applicable to pulse-source neutron measurement in geophysics. V. F. Zakharchenko. Izv. AN SSSR Ser. geofiz. no. 10:1522-1531 O '63.

NEUTRONS—SCATTERING

Inelastic scattering cross sections of 0, 1-1, 2 Mev. neutrons on medium and light nuclei. N. P. Glazkov. Atom. energ. 15 no. 5:416-418 N '63.

Inelastic scattering of 14 Mev. neutrons by light nuclei. E. M. Oparin, A. I. Saukov, R. S. Shuvalov. Atom. energ. 15 no. 5:411-413 N '63.

Zhezherun, I. F., and A. A. Chernyshov. [Temperature effect on thermal neutron scattering by sintered beryllium oxide] Vliianie temperatury na rasseianie teplovykh neitronov spechennoi okisi berillia. Moskva, In-t atomnoi energii imeni I. V. Kurchatova, 1960. 13 p.

Zhezherun, I. F., and E. N. Korolev. [Temperature effect on the diffusion length and scattering cross section of thermal neutrons in graphite] Vliianie temperatury na diffuzionnuiu dlinu i sechenie rasseianiia teplovykh neitronov v grafite. Moskva, In-t atomnoi energii im. I. V. Kurchatova, 1960. 11 p.

NEVA RIVER REGION—RADIOACTIVE FALLOUT

Sivintsev, IU. V. [Radioactivity testing of the atmospheric air and the Neva River in the region of mooring tests of the atomic icebreaker "Lenin"] Issledovaniia radiatsionnoi chistoty atmosfernogo vozdukha i reki Nevy v raione shvartovykh ispytanii atomnogo ledokola "Lenin." Moskva, In-t atomnoi energii AN SSSR, 1960. 27 p.

NEVEL'SKOI, GENNADII IVANOVICH, 1813-1876—BIBLIOGRAPHY see Bibliography—Nevel'skoi, Gennadii Ivanovich, 1813-1876

NEVINNOMYSSK—CHEMICAL PLANTS

Workshops of fertility. Ogonek 41 no. 42:2-3 O '63.

NEVINNOMYSSK—FERTILIZER INDUSTRY

Chiculation, energy, and interest. IU. Sergeev. Sov. Soiuz no. 11:5-7 '63.

NEW YEAR

Christmas and New Year celebrations in various countries of the world. O. M. Zhen. mira no. 12:20 '61.

NEW YORK (CITY)—CRIME AND CRIMINALS

The man who wanted to blow up New York. Boris Strel'nikov. Ogonek 41 no. 45:18-19 N '63.

NEW YORK (CITY)—FOREIGN POPULATION

The fusion was not accomplished. Harry Freeman. Nov. vrem. 21 no. 52:34-35 D '63.

NEW ZEALAND—FOREIGN ECONOMIC RELATIONS

Problems upsetting New Zealand. D. Semin. Nov. vrem. 21 no. 47:14-15 N '63.

NEW ZEALAND—POLITICS AND GOVERNMENT

Problems upsetting New Zealand. D. Semin. Nov. vrem. 21 no. 47:14-15 N '63.

NEWSPAPER AND PERIODICAL CIRCULATION see subdivision under Chuvashia, Uzbekistan

NEWSPAPERS see subdivision under Akademgorodok, Baku, Kharkov Province

NEWSPAPERS—ILLUSTRATIONS

The reader wants to see it. S. M. Gurevich. Poligr. proizv. no. 10:30-33 O '63.

NEWTON, SIR ISAAC, 1642-1727

Kudriavtsev, P. S. [Isaac Newton] Isaak N'iuton. Izd. 3., dop. Moskva, Uchpedgiz, 1963. 140 p. (Klassiki fiziki)

NEWTON'S RINGS see Interference (Light)

NEZHIN—LABOR COURTS

Council of fellow workers' courts in the city of Nezhin. L. Hryhor'iev. Rad. pravo no. 6 42-43 N-D '63.

NEZHIN—RADIO CLUBS

As told by the radio amateurs of Nezhin. L. Ivanov. Radio no. 9:8-9 S '63.

NICKEL—ANALYSIS

Electrolytic separation of nickel from solutions containing thorium salts [with summary in English]. T. V. TSyvenkova, P. N. Kovalenko, Z. I. Ivanova. Zhur. anal. khim. 18 no. 10:1222-1227 O '63.

NICKEL—PHYSIOLOGICAL EFFECT

Skin permeability for nickel compounds [with summary in English]. F. I. Kolpakov. Arkh. pat. 25 no. 6:38-45 '63.

NICKEL—TESTING

Investigating the yield point for plastically deformed nickel specimens. O. A. Shishmarev. Inzh. zhur. 3 no. 4:740-747 '63.

NICKEL ALLOYS—METALLOGRAPHY

Characteristics of the plastic deformation of austenitic manganese and nickel alloys. I. N. Bogachev, V. S. Litvinov, R. I. Mints. Fiz. met. i metalloved. 16 no. 4:596-602 O '63.

Metallographic methods of revealing dislocations in iron and nickel-base alloys. B. V. Molotilov Sbor. trud. TSNIICHM no. 32:43-50 '63.

NICKEL-ALUMINUM-NIOBIUM ALLOYS

Study of aging alloys of the system Ni_3Al - Ni_3Nb. M. P. Arbuzov, V. G. Chuprina. Izv. vys. ucheb. zav.; fiz. no. 5:82-85 '63.

NICKEL CATALYSTS

Catalytic reduction of nitro derivatives by hydrogen. Part 1: Effect of certain factors on the activity and stability of nickel catalysts in the reduction of nitro derivatives by hydrogen in the liquid phase. K. N. Belonogov and others. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:781-786 '63

Kinetics and the mechanism of catalytic hydrogenation in the liquid phase. Part 2: Some regularities in the hydrogenation of unsaturated hydrocarbons on a skeletal nickel catalyst. A. B. Fasman, D. V. Sokol'skii. Kin. i kat. 4 no. 5:736-745 S-O '63.

NICKEL-CHROMIUM ALLOYS see Chromium-nickel alloys

NICKEL-COPPER ALLOYS—ELECTRIC PROPERTIES

Change in the electric resistance of a system of nickel-copper alloys in a longitudinal magnetic field. V. M. Myndyev. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:98-101 '62.

NICKEL IN THE BODY

Nickel and its distribution in human skin. N. Z. IAgovdik. Dokl. AN BSSR 7 no. 5:350-352 My '63.

NICKEL ORES

Pelletizing oxidized nickel ores. K. L. Ushakov, M. A. Volynskaia, L. A. Blinova. TSvet. met. 36 no. 10:21-25 O '63.

Roasting oxidized nickel ore pellets in gas. F. F. Kolesanov, E. K. Fedorov, A. S. Konareva. TSvet. met. 36 no. 10:26-29 O '63.

NICKEL PLATING

Nickel plating of molybdenum and its alloys. E. V. Proskurkin, M. D. Zholudev. Mashinostroenie no. 6:60 N-D '63.

Protection of aluminum and its alloys against the action of the aggressive substances in the food industry. A. V. Izmailov, N. N. Danilova. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:98-100 '63.

Reaction mechanism of nickel reduction by hypophosphite studied with the aid of deuterium as tracer. Part I: Solutions without organic additives [with summary in English]. A. A. Sutiagina, K. M. Gorbunova, M. P. Glazunov. Zhur. fiz. khim. 37 no. 9:2022-2026 S '63.

Reconditioning piston pairs by chemical nickel plating. G. G. Zusmanovich. Sbor. rab. GOSNITI no. 16:54-67 [*61].

NICKEL–SILVER ALLOYS

Surface properties of nickel-based liquid alloys Part I Effect of silver on the surface tension of nickel V N Eremenko, V. I. Nizhenko Ukr. khim. zhur 29 no 11 1157-1160 '63.

NICOTINE

Effect of chloramphenicol on nicotine biosynthesis. G. S. Il'in, O. G. Feier-Kossel. Dokl. AN SSSR 153 no. 2 470-472 N '63.

NIEN REBELLION, 1853-1868

Chekanov, N. K. [The Nien Rebellion in China, 1853-1868] Vosstanie nian'tsztunei v Kitae 1853-1868 gg. Moskva, Izd-vo vostochnoi lit-ry, 1963. 169 p.

NIGERIA—EDUCATION

The fight against ignorance. V. Laptukhin. Az. i Afr. seg. no. 12,49 D '63.

NIGERIA—LITERATURE

Realistic novel of modern Nigeria. V. Ivasheva. Vop. lit. 7 no. 10,109-127 O '63.

NIKIFOROV, ALEKSANDR ISAAKOVICH, 1893-

"Tales of Northern Russia as recorded by A. I. Nikoforov." Reviewed by E. Pomerantseva. Sov. etn. no. 5 159-161 S-O '63.

NIKITA (CRIMEA)—BOTANICAL GARDENS

Yalta. Gosudarstvennyi Nikitskii botanicheskii sad. [Nikita State Botanical Garden] Nikitskii botanicheskii sad, [marshrut ekskursii]. [Simferopol', Krymizdat, 1963] 1 v. illus.

NIKOGOSIAN, NIKOLAI BAGRATOVICH, 1918-

Tikhanova, V. A. Nikolai Bagratovich Nikogosian. Moskva, Sovetskii khudozhnik, 1962. 57 p. illus. plates. (MII)

NIKOLAEV, ANDRIIAN GRIGOR'EVICH, 1929-

Shorsheli, the crib of a cosmonaut. D. Kyians'kyi. Ukraina no. 17:3 S '62.

NIKOLAYEV (LVOV PROVINCE)—SULFUR INDUSTRY—TECHNOLOGICAL INNOVATIONS

The experience of innovators should be shared by all. G. Sidorov. Part. zhizn' no. 23;30-32 D '63.

NIKOLAYEV PROVINCE—BUILDING TRADES—STUDY AND TEACHING

Let's improve the training of rural construction workers. M. Kovalets', Stil'bud 12 no. 1;20-21 Ja '62.

NIKOL'SK DISTRICT (VOLOGDA PROVINCE)—PHYSICAL GEOGRAPHY

Nature of Nikol'sk District. S. Toporkov. Volog. kraj no. 3;127-153 '62.

NIKOL'SK REGION (VOLOGDA REGION)—WALNUT

Persian walnut in Nikol'sk. Volog. kraj no. 3;185-186 '62.

NIKOPOL' REGION—MANGANESE MINES AND MINING

Arm of a giant. Stepan Chornobryvets', Ukraina no. 16 8-9 Ag '62.

NIOBIUM COMPOUNDS

Colored complex of niobium with hematoxylin. V. I. Kornilova, T. N. Nazarchuk. Ukr. khim. zhur. 29 no. 11;1205-1208 '63.

NITRATES

Production of concentrated phosphorus fertilizers by the distillation of nitrate extracts. Z. A. Proinova, N. L. Minkova. Khim. prom. no. 9;665-670 S '63.

NITRATION

Nitration of the fraction of propylene tetramers by nitric acid. S. M. Markhaseva and others. Azerb. khim. zhur. no. 3 19-26 '62.

NITRIC ACID

Chemical reactions taken place during the interaction of silicon with hydrofluoric and nitric acid. M. M. Piriutko. Zav. lab. 29 no. 10;1179-1180 '63.

Developing a method of automatic control of nitro-oleum composition. S. F. Matveev, V. A. Kolpakov, A. F. Rebitskii. Khim. prom. no. 8;596-600 Ag '63.

Effect of nitric acid on the results of the spectral analysis of solutions. Kh. L. Zil'bershtein, O. N. Nikitina. Zav. lab. 29 no. 11;1323 '63.

NITRIDATION

Technological instruction for the reconditioning of the precision pairs of the fuel system of D-50 diesel locomotive engines by the nitriding method; supplement. [Sbor. trud.] RIIZHT no. 31;317-325 '61.

NITRO COMPOUNDS

Catalytic reduction of nitro derivatives by hydrogen. Part I: Effect of certain factors on the activity and stability of nickel catalysts in the reduction of nitro derivatives by hydrogen in the liquid phase. K. N. Belonogov and others. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5;781-786 '63.

Physicochemical studies in the series of dinitro derivatives of pyrrole [with summary in English]. N. P. Kuznetsova. Zhur. fiz. khim. 37 no. 9;2001-2006 S '63.

NITROGEN

Characteristics of the aerobic vital activity of yeast as related to the sources of nitrogen and vitamins. M. A. Ter-Karapetian, E. N. Makarova. Izv. AN Arm. SSR. Biol. nauki 16 no. 10,3-11 O '63.

NITROGEN COMPOUNDS

Nitrogen compounds in sweet corn at its milky-wax phase of ripening. A. T. Markh, S. I. IUrchenko. Izv. vys. ucheb. zav., pishch. tekh. no. 5,10-13 '63.

NITROGEN COMPOUNDS—SPECTRA

Role of the benzene ring and functional groups in the origin of the absorption bands in some nitro and amino compounds. IU. P. Morozova, V. I. Danilova. Izv. vys. ucheb. zav.; fiz. no. 5,64-67 '63.

NITROGEN IN THE BODY

Problem of the so-called extrarenal hyperazotemia in pneumonia, experimental research [with summary in English]. Lubomir St. Teodosiev. Arkh. pat. 25 no. 5 53-57 '63.

NITROGEN OXIDES

Adsorption of small concentrations of nitrogen peroxide -- nitrogen tetroxide under dynamic conditions. E. B. Krasnyi, L. I. Kuznetsov-Fetisov, G. I. Rozenberg. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5;802-805 '63

Steady state concentrations of nitric oxide in the glow discharge. Part 6: Effect of the composition of initial mixture on the formation of nitric oxide in a narrow reactor [with summary in English]. I. Polio, A. N. Mal'tsev, E. N. Eremin. Zhur. fiz. khim. 37 no. 9; 2087-2393 S '63.

NITROGEN METABOLISM

Characteristics of some aspects of phosphorus and nitrogen metabolism in patients with cerebral spastic paralysis. L. I. Volokhonskaia, E. P. Mezhenina. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 73-77 '59.

Metabolism of nitrogen-containing substances in Actinomyces. A. M. Bezborodov. Antibiotiki 7 no. 10;936-947 O '62.

NITROPHENYL—ABSORPTION SPECTRA

Analysis and interpretation of o-nitrophenyl absorption bands. L. B. Zubkova. Izv. vys. ucheb. zav.; fiz. no. 5 93-94 '63.

NITROUS OXIDE

Postoperative anesthesia in surgery of newborn infants and nursing infants, preliminary report [with summary in English]. V. V. Gavrilushov, R. B. Frantov. Khirurgiia 39 no. 7,67-71 Jl '63.

Therapeutic anesthesia in the treatment of thyrotoxic goiter [with summary in English]. G. A. Natsvlishvili, I. L. Kazarov. Khirurgiia 39 no. 7,49-54 Jl '63.

NIZHNIY TAGIL—PUBLIC HEALTH

Transfer of the simplest functions of sanitary inspection to the community. A. A. Shevtsova. Fel'd. i akush. 28 no. 11;37-39 N '63.

NIZHNIY TAGIL—STEEL INDUSTRY

The best open-hearth furnace in Russia. E. Filisteev. Part. zhizn' no. 21;38-39 N '63.

NIZHNYAYA TUNGUSKA see Lower Tunguska Valley

NOGINSK—TEXTILE INDUSTRY

Some features of the postwar development of Soviet industrial enterprises. M. I. Khlusov. Ist. SSSR 7 no. 6;19-32 N-D '63.

NOISE—PHYSIOLOGICAL EFFECT

About visible light and audible sound. 'B. Plavinas. Nauka i zhytiia 13 no. 10;36-38 N '63.

Hygienic evaluation of noise in subterranean work in the coal mines of the Lvov-Volyn' Basin and its influence on the hearing of the workers [with summary in English]. N. N. Pokrovskii. Gig. truda i prof. zab. 7 no. 1;14-18 Ja '63.

NOISE CONTROL

Architectural planning methods of controlling city noise. L. Makrinenko. Arkhit. SSSR no. 1;33-36 '62.

Control of industrial noise. D. I. Samokish. Zhel. dor. transp. 45 no. 11;74 N '63.

NONCONTENTIOUS JURISDICTION

Why do they violate the established procedure? M. Sumin. Sov. iust. no. 20;15 O '63.

NONDESTRUCTIVE TESTING

Basic problems involved in the development of the nondestructive methods of control. Zav. lab. 29 no. 10; 1155-1156 '63.

NONDESTRUCTIVE TESTING—CONGRESSES

All-Union Conference on Nondestructive Methods of Control. I. M. Orient. Zav. lab. 29 no. 10,1277-1278 '63.

NONFERROUS METAL INDUSTRIES see subdivision under Sverdlovsk Province

NONFERROUS METAL INDUSTRIES—BY-PRODUCTS

The complete utilization of raw materials in nonferrous metallurgy is the basis for a rapid increase in the production of mineral fertilizers. A. A. Molchanov. TSvet. met 36 no. 10,1-5 O '63.

NONFERROUS METAL INDUSTRIES—FINANCE

Improve the efficiency of capital investments in ferrous metallurgy. M. Golynskii. Plan. khoz. 40 no. 11 19-27 N '63.

NONFERROUS METAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS see subdivision under Leninogorsk

NONFERROUS METALS—ELECTROMETALLURGY

Interuniversity conference on the electrodeposition of nonferrous metals. A. I. Levin, E. S. Letskikh. TSvet. met. 36 no. 10,82-84 O '63.

NONFERROUS METALS—HEAT TREATMENT

Scientific Technology Conference on the heat treatment of nonferrous metals. TSvet. met. 36 no. 10;85 O '63.

NONLINEAR DIFFERENTIAL EQUATIONS see Differential equations, Nonlinear

NONMETALLIC BEARINGS

Modern wear-resistant bearing materials. M. M. Krasnoshchekov. Mashinostroenie no. 6;98-103 N-D '63.

NONMETALLIC MATERIALS

Contribution to the theory of solutions of nonmetals in molten iron [with summary in English]. B. P. Burylev. Zhur. fiz. khim. 37 no. 9;2068-2070 S '63.

NONMETALLIC MINERALS—ANALYSIS

Petrographic study of the anodic deposits of nonmetallic inclusions subjected to a special treatment. A. G. Ryl'nikova, S. B. Lebedeva. Sbor. trud. TSNIICHM no. 32;76-81 '63.

NONMETALLIC MINERALS—MAPS see subdivision under Yakutia

NONMETALLIC MINERALS—SPECTRA

Investigating nonmetallic inclusions by the microspectral method. N. V. Korolev and others. Sbor. trud. TSNIICHM no. 32;138-141 '63.

NORADRENALINE

Effect of ACTH on adrenaline and noradrenaline excretion in the urine in myopathy [with summary in English] E. A. Matlina, D. I. Shagal. Probl. endok. i gorm. 9 no. 5;66-70 S-O '63.

NORBORNENEDICARBOXYLIC ANHYDRIDE

Analysis of industrial samples of chlorendic anhydride by nonaqueous potentiometric titration. E. A. Lmelin, N. F. Smyslova, IA. A. TSarfin. Zav. lab. 29 no. 10; 1169-1172 '63.

NORIL'SK—ELECTRONIC COMPUTERS

Cybernetics beyond the Arctic circle. Vladimir But, Boris Semenov. Smena 40 no. 12;17-19 Je '63

NORIL'SK—MINE DUSTS—PREVENTION

Dust in the air and its control in the mining enterprises of Noril'sk. I. A. Arnol'di. Vop. bor'by s sil. v Sib. no. 1; 93-98 '61.

NORIL'SK—MINES AND MINERAL RESOURCES

Cybernetics beyond the Arctic circle. Vladimir But, Boris Semenov. Smena 40 no. 12;17-19 Je '63.

NORIL'SK REGION—BOULDERS

Prospecting for copper-nickel ores based on the occurrence of boulders. V. S. Staroseltsev, V. N. Gil'kin. Inform. sbor. NIIGA no. 32;45-51 '62.

NORIL'SK REGION—ELECTRIC PROSPECTING

Geological studies using vertical electric sounding in the Noril'sk region. I. D. Volkov. Inform. sbor. NIIGA no. 32;51-62 '62.

NORIL'SK REGION—GAS, NATURAL—GEOLOGY

Origin of natural gases in the Noril'sk region. D. K. Patrunov. Inform. sbor. NIIGA no. 31;67-76 '62.

NORIL'SK REGION—METALS

Prospecting for copper-nickel ores based on the occurrence of boulders. V. S. Staroseltsev, V. N. Gil'kin. Inform. sbor. NIIGA no. 32;45-51 '62.

NORIL'SK REGION—ORE DEPOSITS

Concerning an ore indication of the intrusions in the Noril'sk region. G. G. Rempel'. Inform. sbor. NIIGA no. 31;65-66 '62.

NORIL'SK REGION—PROSPECTING

Prospecting for copper-nickel ores based on the occurrence of boulders. V. S. Staroseltsev, V. N. Gil'kin. Inform. sbor. NIIGA no. 32:45-51 '62.

NORTH ATLANTIC TREATY ORGANIZATION

Hornets' nests of aggressors and militarists. M. Petrov. Sov. voin 44 no. 2:44-45 Ja '62.

New negotiations on nuclear weapons. N. Khomutov. Mezhdunar. zhizn' 10 no. 11 100 N '63.

Our commentaries. Nov. vrem. 21 no. 51:7 D '63.

Outlook for the future. Nov. vrem. 21 no. 52:1-2 D '63.

Sinister plan. V. Bol'shakov, M. Terterov. Sov. voin 45 no. 12:42-43 Je '63.

Some results of the "Adenauer era." D. Mel'nikov. Nov. vrem. 21 no. 51:4-7 D '63.

NORTH CAUCASUS ECONOMIC REGION—MACHINE ACCOUNTING—CONGRESSES

Conference on the problems of calculating machine utilization. Bukhg. uchet 28 no. 10:78 O '63.

NORTH CAUCASUS ECONOMIC REGION—MACHINERY INDUSTRY—COSTS

Planning and accounting for production costs in the main workshops of machinery manufacturing enterprises. A. Borodkin. Bukhg. uchet 28 no. 10 30-33 O '63.

NORTH KAZAKHSTAN PROVINCE—BAKERIES—TECHNOLOGICAL INNOVATIONS

Reconstruction has increased the capacity of bakeries. A. Khismatulin. Koop. Kazakh. 6 no. 7:45-46 O '63.

NORTH KAZAKHSTAN PROVINCE—CLOTHING INDUSTRY

For a more fearless transition to direct relations with industry. V. Levchenko. Koop. Kazakh. 6 no. 7:7-8 O '63.

NORTH KAZAKHSTAN PROVINCE—PEDDLERS AND PEDDLING

The steppe is calling. S. Khamzina. Koop. Kazakh. 6 no. 7 43-44 O '63.

NORTH OSSETIA see Ossetia, North

NORTHERN ANYUY RANGE—NATURAL RESOURCES

Northern Anyuy Range. A. I. Sadovskii. Priroda 52 no. 10:67-72 '63.

NORTHERN CAUCASUS see Caucasus, Northern

NORTHERN DVINA VALLEY—FOLKLORE

Folklore expeditions to the Northern Dvina Valley. V. V. Mitrofanova, L. V. Fedorova. Sov. etn. no. 5:109-113 S-O '63.

NORTHERN DVINA VALLEY—SOIL FORMATION

Role of silt deposition in the turf soil formation process in the floodland and delta of the Northern Dvina River. G. V. Afanas'ev. Dokl. TSKHA no. 47:163-169 '59.

NORTHERN HEMISPHERE—ATMOSPHERE

General regularities in the interaction of the various forms of atmospheric circulation in the Northern Hemisphere. A. A. Girs. Izv. AN SSSR. Ser. geog. no. 6:15-25 N-D '63.

NORWAY—WORLD WAR, 1939-1945

[Across the fjords] Cherez fiordy. Moskva, Voenizdat, 1964. 158 p. (Voennye memuary)

NOTARIES

(see also subdivision under Moscow)

From the practice of notarial agencies. Sov. just. no. 18:30 S '63.

From the practice of notarial agencies. Sov. just. no. 20, 31 O '63.

From the practice of notarial agencies. Sov. just. no. 21:32 N '63.

From the practice of notarial agencies. Sov. just. no. 22, 31 N '63.

NOVE, BULGARIA—ANTIQUITIES, ROMAN

Archaeological excavations in Nove in 1962. K. Maevskii. Sov. arkheol. 7 no. 4:210-213 '63.

NOVELS see Fiction

NOVGOROD—ANTIQUITIES

Lid with a cryptogram from Novgorod. S. N. Orlov. Sov. arkheol. 7 no. 4:232-233 '63.

NOVGOROD—BARK INSCRIPTIONS

Artsikhovskii, A. V. [Novgorod inscriptions on birch bark; from the excavations of 1958-1961] Novgorodskie gramoty na bereste; iz raskopok 1958-1961 gg. Moskva, Izd-vo Akad. nauk SSSR, 1963. 117 p.

Dating the Novgorod birch bark inscriptions. N. A. Meshcherskii. Sov. arkheol. 7 no. 4:249-252 '63.

NOVGOROD (DUCHY)—POLITICS AND GOVERNMENT

"The governors of Novgorod" by V. L. IAnin. Reviewed by V. V. Mavrodin. Vop. ist. 38 no. 12:130-133 D '63.

NOVIKOV, NIKIFOR PETROVICH

Kolzakov, A. S. [Knowing no rest] Ne znaiushchii pokoia. Minsk, Gosizdat BSSR, 1963. 32 p. (Rasskazy o kommunistakh)

NOVOBIOCIN

Conditions for the formation of novobiocin from An Actinomyces sphaeroides culture. Development of a synthetic medium and a study of the effect of some nitrogen and carbohydrate sources on the biosynthesis of the antibiotic [with summary in English] N. S. Egorov, V. I. Ushakova. Antibiotiki 7 no. 10 863-868 O '62

NOVOCAINE

Effect of rectally introduced novocaine on the course of chronic colitis and secretory function of the stomach. A. L. Botnar'. Zdravookhranenie 6 no. 5:48-52 S-O '63.

Intranasal alcohol novocaine injection in some eye diseases. M. V. Isaian, G. A. Bahalan. Zhur. eksp. i klin. med. 3 no. 4 69-76 '63.

Mechanisms of the therapeutic effect of novocaine treatment of the musculus scalenus anterior in cervical osteochondrosis. IA. IU. Popelianskii. Eksp. issl. po fiziol., biokhim. i farm. no. 3:125-131 '61.

Treatment of acute suppurative diseases of the hand by intraosseous introduction of antibiotics in a novocaine solution [with summary in English] M. M. Tikhonenko. Vest. khir. 90 no. 6:105-106 Je '63.

NOVOCAINE—SIDE EFFECTS

Sensitization to novocaine traced for ten years. E. A. Dosychev, V. A. Lenartovich. Vrach. delo no. 11 137-139 N '63.

NOVOCAINE—THERAPEUTIC USE

Therapeutic effect of novocaine block and dimedrol in experimental staphylococcal inflammation of different localization. V. N. Solov'ev, A. M. Chernukh. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:198-204 '58.

NOVOCHERKASSK—ELECTRIC MACHINERY INDUSTRY—ACCOUNTING

Utilizing punched card machines in the Novocherkassk Electric Locomotive Plant. V. Rudnianskii. Bukhg. uchet 28 no. 10:51-53 O '63.

NOVOCHERKASSK—TUBERCULOSIS—HOSPITALS AND SANATORIUMS

Experience in the organization of a pulmonary surgical center at a province tuberculosis sanatorium [with summary in French]. IA. G. Rozinov. Probl. tub. 40 no. 6:71-73 '62.

NOVOGRODOVKA (DONETSK PROVINCE)—TRADE UNIONS—OFFICERS

Sapach, P. L. [Trade-union activist's university] Universitet profsoluznogo aktivista. [Moskva] Profizdat, 1963. 52 p.

NOVOLAZAREV REGION, ANTARCTICA—ROADS

Possible route to the inland Antarctic ice plateau from the Novolazarev Station. G. V. Konovalov. Inform. biul. Sov. antark. eksp. no. 42, 48-50 '63.

NOVOMOSKOVSK (TULA PROVINCE)—CHEMICAL INDUSTRIES

Workers at the Novomoskovsk [Chemical Plant] are setting an example. V. Fedinin, D. Nikitin, E. Tarasov. Part. zhizn' no. 22:22-26 N '63.

NOVOROSSIYSK—DISABILITY EVALUATION

Services of the specialists are improving. P. Kuskov. Sots. obesp. 24 no. 9:28-29 S '63.

NOVOROSSIYSK, BATTLE OF, 1943

Resourcefulness and decisiveness in battle. L. Kozlov. Voen.-ist. zhur. 5 no. 11:58-60 N '6

NOVOSIBIRSK

Vekeman, A. M., and others. [science; the city of Novosibir stvo goroda nauki; Novosibirs [Novosibirsk] Novosibirskoe k 145 p.

NOVOSIBIRSK—ARCHAEOLOGY

Work of students' archaeologic gogical institutes. T. N. Troi no. 4:291-292 '63.

NOVOSIBIRSK—DESCRIPTION

Siberian center of science. L. no. 11:12-13 N '63.

NOVOSIBIRSK PROVINCE—FOI

Increasing the productivity of Province. I. V. Taran. Les. '63.

NOVOSIBIRSK PROVINCE—OLI

Public property is in safe han nov, N. Lebedev. Sots. obes '63.

NOVOSIBIRSK PROVINCE—SWI MENT

Overall mechanization of larg I. Khlebnikov. Tekh. v sel'kh

NOVYY LIPETSK—STEEL INDUSTRY—TECHNOLOGICAL INNOVATIONS

Engineering work and the incentives of technological creativeness A. Popov. Sots. trud 8 no. 10, 56-60 O '63.

NOVYY SARAY—ANTIQUITIES

Mace from Novyy Saray. L. L. Galkin. Sov. arkheol. 7 no. 4 239 '63.

NOWAK, ZENON, 1905-

Zenon Nowak. Nov. vrem. 21 no. 46, 19 N '63.

NOZZLES

New design of an air nozzle. M. Z. Loshak. Mashinostroitel' no. 10, 41 O '63.

NUCLEAR BINDING ENERGY see Binding energy

NUCLEAR COUNTERS

Arithmetic device for an AI-60-2 type analyzer with subtraction operation I. I. Rogushin, K. F. Kuznetsov, A. I. Kozyr'. Mnogokan. izm. sist. v iad. fiz no. 5, 151-157 '63.

Cherenkov gas counters. A. S. Vovenko and others. Usp. fiz. nauk 81 no. 3, 453-506 N '63.

Control system for an apparatus recording nuclear interactions at an energy of 100 Bev. K. A. Kotel'nikov, O. F. Ogurtsov. Prib. i tekh. eksp. 8 no. 5 51-53 S-O '63.

Converter of time intervals to digital code. E. I. Rekhin, V. M. Pankratov, I. S. krasheninnikov. Mnogokan. izm. sist. v iad. fiz. no. 5:38-57 '63.

Input device for a multichannel registration system with parallel address selection. I. S. Krasheninnikov, O. A. Safonov, R. S. Efimchik. Mnogokan. izm. sist. v iad. fiz no. 5 58-62 '63.

Network of a transistor amplitude-time converter for multichannel analyzers. L. S. Gorn, B. I. Khazanov. Mnogokan. izm. sist. v iad. fiz. no. 5:63-79 '63

Preamplifier combined with a low-capacitance crystal counter. E. A. Afanas'eva, E. A. Konorova. Prib. i tekh. eksp. 8 no. 5:110-111 S-O '63.

Principle transistorized components of multichannel measuring systems. S. S. Kurochkin and others. Mnogokan. izm. sist. v iad. fiz. no. 5:87-116 '63.

Readout operation in the AI-100-1 analyzer. V. A. Smolin and others. Mnogokan. izm. sist. v iad. fiz no. 5 187-190 '63.

Sectionalized alternative for a magnetic operative memory device for 2048 numbers. S. S. Kurochkin and others. Mnogokan. izm. sist. v iad. fiz. no. 5, 117-127 '63.

Some ideas about the design and circuit of a neutron monitor. I. N. Kapustin and others. Geomag. i aer. 3 no. 6, 1108-1114 N-D '63

NUCLEAR ENGINEERING

[Nuclear engineering abroad] Atom. tekh. za rub. 7 no. 12 D '63.

NUCLEAR FISSION

Dependence of the mean kinetic energy of fragments on the mass of the fissionable atom. V. N. Okolovich and others. Atom. energ. 15 no. 5:418-420 N '63

Radiography of spontaneous nuclear fission. V. P. Perelygin, S. P. Tret'iakova. Prib. i tekh. eksp. 8 no. 5 73-74 S-O '63.

Zysin, IU. A., A. A. Lbov, and L. I. Sel'chenkov. [Yields of fission products and their mass distribution] Vykhody produktov delenii i ikh raspredelenie po massam, spravochnik. Moskva, Gosatomizdat, 1963. 117 p.

NUCLEAR FUELS

Kinetics of the swelling of fissionable materials caused by the separation of the gaseous phase from a supersaturated solution. V. M. Agranovich, E. IA. Mikh-

NUCLEAR MAGNETIC RESONANCE AND RELAXATION (Continued)

Nuclear magnetic resonance in deformed ferromagnetics. L. L. Buishvili. Fiz. tver. tela 5 no. 11.3327-3328 N '63.

Nuclear resonance energy levels in single crystals in the presence of magnetic and quadrupole interactions. N. E. Ainbinder, V. S. Grechishkin. Izv. vys. ucheb. zav., fiz. no. 5.27-31 '63.

Rate of nuclear relaxation as dependent on the symmetry of the Ti^{3+} complex in aqueous solutions. N. S. Kucheriavenko, E. I. Semenova. Dokl. AN SSSR 152 no. 3. 662-664 S '63.

Solvation of paramagnetic ions in alcohol aqueous solutions studied by means of nuclear magnetic resonance of high resolution. IU. A. Shamonin, S. A IAn. Dokl. AN SSSR 152 no. 3:677-679 S '63.

Study of the cyclization of rubber by the method of nuclear magnetic resonance. I. A. Tutorskii and others. Dokl. AN SSSR 152 no. 3:674-676 S '63.

Use of nuclear quadrupole resonance for physicochemical analysis. V. S. Grechishkin, I. A. Kiuntsel', G. B. Soifer. Zav. lab. 29 no. 11:1310-1315 '63.

Use of the nuclear quadrupole resonance method in studying phase transitions in certain crystals. V. S. Grechishkin, G. B. Soifer, IU. G. Svetlov. Izv. vys. ucheb. zav., fiz. no. 5 32-38 '63.

NUCLEAR PHOTOGRAPHY see Photography, Particle track

NUCLEAR PHYSICS

Akademiia nauk SSSR. [As seen by a scientist: From the Earth to the galaxies, To the atomic nucleus, From the atom to the molecule, From the molecule to the organism] Glazami uchenogo: Ot Zemli do galaktik, K iadru atoma, Ot atoma do molekuly, Ot molekuly do organizma. Moskva, Izd-vo Akad. nauk SSSR, 1963. 730 p.

Gordeev, I. V., D. A. Kardashev, and A. V. Malyshev. [Constants in nuclear physics] IAderno-fizicheskie konstanty, spravochnik. Moskva, Gosatomizdat, 1963. 507 p.

Mukhin, K. N. [Introduction to nuclear physics] Vvedenie v iadernuiu fiziku. Moskva, Gosatomizdat, 1963. 588 p.

We are close to the solution of this mystery. Petro Pokhodzilo. Ukraina no. 11:10-11 Je '62.

NUCLEAR PHYSICS—PROBLEMS, EXERCISES, ETC.

Irodov, I. E. [Problems in atomic and nuclear physics] Sbornik zadach po atomnoi i iadernoi fizike. Izd. 3., perer. i dop. Moskva, Gosatomizdat, 1963. 343 p.

NUCLEAR PHYSICS—STUDY AND TEACHING

Demonstrations and laboratory studies in nuclear physics. G. I. Kuz'menko, V. V. Semenov. Izv. vys. ucheb. zav.; fiz. no. 5:56-60 '63.

NUCLEAR REACTIONS

Conference on Reactions between Compound Nuclei. S. M. Polikanov. Atom. energ. 15 no. 5:435-436 N '63.

Measuring the thickness of foils and films with the aid of the $(\alpha, n\gamma)$ nuclear reaction I. N. Plaksin, M. A. Beliakov, L. P. Starchik. Prib. i tekh. eksp. 8 no. 5 210-211 S-O '63.

NUCLEAR REACTORS

Improvement of VVR-S reactors. Atom. energ. 15 no. 5: 430-441 N '63.

Ivanov, A. N., and N. F. Pravdiuk. [Measuring the electric resistance of molybdenum during irradiation in a reactor for physical and technological research] Izmerenie elektrosoprotivleniia molibdena v protsesse obluchenila v reaktore RFT. Moskva, In-t atomnoi energii AN SSSR, 1960. 16 p.

Methods for calculating radiation heat release in the vessel and shields of a nuclear reactor. D. L. Broder, K. K. Popkov. Atom. energ. 15 no. 5:370-377 N '63.

Pravdiuk, N. F., V. N. Kuznetsov, and N. I. Laletin. [Isothermal irradiation of nonfissionable materials inside the fuel assemblies of reactors for physical and technological research] Izotermicheskoe obluchenie nedeliashchikhsia materialov vnutri teplovydeliaiushchikh sborok RFT. Moskva, In-t atomnoi energii AN SSSR, 1960. 15 p.

NUCLEAR REACTORS—ABSTRACTS

[Nuclear reactors] Ref. zhur.: IAd. reak. no. 1 Ja '64.

NUCLEAR REACTORS—MATERIALS

Zvonov, N. V., and others. [Critical tests of an organic moderator-monoizopropylbiphenyl] Kriticheskie opyty s organicheskim zamedlitelem-monoizopropildifenilom. Moskva, In-t atomnoi energii Akad. nauk SSSR, 1960. 42 p.

NUCLEAR REACTORS—SHIELDING (RADIATION)

Broder, D. L., and others, eds. [Problems in the physics of reactor shielding] Voprosy fiziki zashchity reaktorov; sbornik statei. Moskva, Gosatomizdat, 1963. 345 p.

Measuring the tissue doses of neutrons outside the reactor shielding. I. B. Keirim-Markus and others. Atom. energ. 15 no. 5:386-393 N '63.

NUCLEAR RESEARCH

Attack of the invisibles. IU. TSekhmistrenko. Nauka i zhyttia 13 no. 10:1-3 N '63.

NUCLEAR SPIN

Beta-decay of Λ^0-hyperons and the spins of light hypernuclei. V. A. Filimonov. Izv. vys. ucheb. zav., fiz. no. 3.89-97 '63.

Design of a neutron spin rotator. IU. V. Taran. Atom. energ. 15 no. 5:413-414 N '63.

Double excitation of free induction and spin echo in crystals in the absence of a static magnetic field. U. Kh. Kopvillem, R. V. Shubina Izv. vys. ucheb. zav., fiz. no. 5:6-13 '63.

Parity nonconservation and macroscopic rotation. I. IU. Kobzarev, B. Pontecorvo. Usp. fiz. nauk 81 no. 1:3-6 S '63.

Quadrupole energy levels for certain spins (with summary in English). V. S. Grechishkin, N. E. Ainbinder. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4 729-737 '63.

NUCLEAR WEAPONS—INTERNATIONAL CONTROL

Khrushchev, N. S. [Prevention of war is a task of paramount importance, from his addresses of 1956-1963] Predotvrashchenie voiny — pervostepennaia zadacha, iz vystuplenii 1956-1963 gg. Moskva, Izd-vo lit-ry na inostrannykh iazykakh, 1963. 191 p.

NUCLEI, ATOMIC

Adamchuk, IU. V., and V. M. Strutinskii. [Radiation widths of nuclei and statistical theory] Radiatsionnye shiriny iader i statisticheskaia teoriia. Moskva, In-t atomnoi energii im. I. V. Kurchatova, 1960. 49 p.

Description of the superfluidity of an atomic nucleus by the method of variational S-matrix derivatives. S. G. Kadmenskii, L. P. Rapoport. Izv. vys. ucheb. zav., fiz. no. 5.43-49 '63.

Monopolar transitions of atomic nuclei. L. A. Borisoglebskii. Usp. fiz. nauk 81 no. 2:271-334 O '63.

Structure of nuclei and nucleons [translated from the English]. R. Hofstadter. Usp. fiz. nauk 81 no. 1 185-200 S '63.

NUCLEIC ACIDS

Biosynthesis of ribosome ribonucleic acid. M. I. Lerman, V. L. Mant'eva, G. P. Georgiev. Dokl. AN SSSR 152 no. 3 741-747 S '63.

Effect of heavy water on the properties of DNA and proteins. V. V. Grechko and others. Dokl. AN SSSR 152 no. 3.740-743 S '63.

Informational ribonucleic acid at early stages of the development of the embryos of the loach (Misgurnus fossilis). N. V. Belitsina and others. Dokl. AN SSSR 153 no. 2 464-467 N '63.

Specific biosynthesis of antibodies induced by ribonucleic acid from the lymphatic nodes and spleen of immune rabbits. B. B. Fuks and others. Dokl. AN SSSR 153 no. 2.485-488 N '63.

Spirin, A. S. [Some problems of the macromolecular structure of ribonucleic acids] Nekotorye problemy makromolekuliarnoi struktury ribonukleinovykh kislot. Moskva, Izd-vo Akad. nauk, 1963. 77 p.

Study of the chemical structure of ECMO viruses (with summary in English). E. R. Pille Vop virus. 8 no 2 210-213 Mr-Ap '63

Study of the effect of some polyanions on the multiplication of poliomyelitis virus in connection with phenomena of RNA denaturation (with summary in English). R. I. Salganik, V. P. Tomsons, L. K. Protas. Vop. virus. 8 no. 2:155-159 Mr-Ap '63.

Study of the role of the protein membrane of poliomyelitis virus in the process of penetration of the virus into the cell (with summary in English) IU Z. Gendon. Vop. virus. 8 no. 2 144-150 Mr-Ap '63

Synthesis of RNA in cell-free homogenates of leaves infected with tobacco mosaic virus (with summary in English). V. S Tongur and others Vop. virus 8 no. 2 142-144 Mr-Ap '63

NUCLEONS

Structure of nuclei and nucleons [translated from the English]. R. Hofstadter. Usp. fiz. nauk 81 no. 1 185-200 S '63.

NUDIBRANCHIATA

Dimorphism of sperms in some species of mollusks of the genus Coryphella Gray (Gastropoda, Nudibranchia). I. S. Roginskaia. Dokl. AN SSSR 152 no. 5.1258-1259 O '63.

NUKHA—EPITAPHS

Epitaphs in the cemetary of the Nukha Khanate [In Azerbaijani with summary in Russian]. M. S. Neimatova. Izv. AN Azerb. SSR, Ser. obshchestv. nauk no. 0:19-36 '61.

NUMBER GAMES see Mathematical recreations

NUMBERS, THEORY OF

Example of a pair of orthogonal Latin squares of the tenth order. A. I. Liamzin. Usp. mat. nauk. 18 no. 5: 173-174 S-O '63.

Theory of quasi-simple numbers. A. F. Lavrik. Dokl. AN SSSR 152 no. 3:544-547 S '63.

NUMERICAL WEATHER FORECASTING

Belov, P. N. [Practical methods for numerical weather forecasting] Prakticheskie metody chislennogo prognoza pogody. Leningrad, Gidrometeoizdat, 1963. 257 p.

NURSES AND NURSING

(see also subdivision under Great Britain; United States, Vladimir Province)

Dedicated nurses. Med. sestra 22 no. 10 60-61 O '63.

Dedicated nurses. Med sestra 22 no 11:55-57 N '63

NYLON

Capron insulation for tools. P. V. Smirnov. Mashinostroitel' no. 10 17 O '63.

Capron is born in a centrifuge. A. Spilarskii. Tekh mol. 31 no. 11.37 '63.

"Kaprolit." V. V. Korshak, V. A. Sergeev, R. B. Shleifman. Priroda 52 no. 10:98-100 '63.

Study of structural changes in polyhexamethylene adipamide by the method of sorption and thermochemical measurements. E. F. Nekrasch, Z. A. Samchenko Ukr. khim. zhur. 29 no. 11:1151-1155 '63

O-o, JAPAN—SHIPYARDS

The benevolent people from the Port of O-o. K. Odagawa. Nov. vrem. 21 no. 51-21 D '63.

OAK see subdivision under Elista region

OAK—DISEASES AND PESTS see subdivision under Voronezh Province

OB' RIVER—MERCHANT MARINE—PASSENGER TRAFFIC

Organizing rapid passenger lines on the Ob'. B. Ragozin, B. Saiapin. Rech. transp. 22 no. 10:9-10 O '63.

OB' VALLEY—BIRDS OF PREY

Ecology of some predatory birds of the upper Ob' Valley. [with summary in English]. A. P. Kuchin. Zool. zhur. 42 no. 9.1418-1420 '63.

OB' VALLEY—BRONZE—METALLURGY

Center of Turbino-Seyma bronze metallurgy in the middle Ob' Valley. M. F. Kosarev. Sov. arkheol. 7 no. 4 20-26 '63.

OB' VALLEY—HYDROLOGY—TABLES, CALCULATIONS, ETC

[Hydrological yearbook] Gidrologicheskii ezhegodnik. Leningrad, Gidrometeoizdat,

1957. Vol. 6. [Basin of the Kara Sea (western part)] Bassein Karskogo moria (zapadnaia chast').

Nos. 0-3. [Ob' River and its basin to the estuary of the Irtysh River] Reka Ob' i ee bassein do ust'ia r. Irtysha. Pod red. M. K. Khrapovitskoi. 1962. 325 p.

OBITUARIES

Losses to science. V. V. Tikhomirov, L. B. Rel'skaia. Izv. AN SSSR, Ser. geol. 28 no. 7:88-93 Jl '63.

OBOISHCHIKOV, KRONID

Blue roads. B. Kolesnikov. Sov. voin 45 no. 19-17 O '63.

OBOLDINO—CHEMICAL PLANTS

Second birth. F. Filenko. Mest. prom. i khud. promys. 3 no. 9:6 S '62.

OBRUCHEV, VLADIMIR AFANAS'EVICH, 1863-1956

Acknowledging the great achievements of a scientist. N. A. Marinov. Priroda 52 no. 10:54 '63.

Creative cooperation; correspondence between V. A. Obruchev and E. Suess. S. V. Obruchev. Priroda 52 no. 10:51-53 '63.

Fond memories. E. M. Murzaev. Priroda 52 no. 10. 45-47 '63.

Fruitful thoughts. S. V. Obruchev. Priroda 52 no. 10: 54 '63.

Journey into the past and future. I. Inozemtsev. V mire knig 3 no. 9:12-14 S '63.

Outstanding Soviet geologist and traveler. D. I. Shcherbakov. Priroda 52 no. 10:37-45 '63.

Seventy years of strenuous work. V. V. Obruchev. Priroda 52 no. 10:50-51 '63.

V. A. Obruchev and the problems of geology. V. V. Tikhomirov. Priroda 52 no. 10:53 '63.

OBSTETRICAL SOCIETIES

Experience in the activity of the Board of the Scientific Society of Obstetricians and Gynecologists of the R. S. F. S. R. and of the local societies. K. N. Zhmakin, L. V. Ostrovitianova. Akush. i gin. 39 no. 4.141-142 Jl-Ag '63.

OCCUPATIONAL DISEASES

Direction and organization in scientific research in the field of occupational dermatoses in medical institutes and scientific research dermatovenerological institutes. A. A. Studnitsin, N. M. Turanov. Vest. derm. i ven. 37 no. 7:3-7 Jl '63.

"Diseases of craftsmen; a discussion" by Bernardino Ramazzini. Reviewed by B. D. Petrov. Klin. med. 40 no. 11:150-152 N '62.

OCCUPATIONAL DISEASES (Continued)

Grinberg, A. V. [X-ray diagnosis of occupational diseases of the bones and joints] Rentgenodiagnostika professional'nykh zabolevanii kostei i sustavov. [Leningrad] Medgiz, 1962. 350 p.
(*DNLM*)

Menstrual-menstrual cycle and generative function in female employees in a number of professions. V. K. Lysenko. Akush. i ginek. 39 no. 5:49-57 My '63.

"Pathological anatomy of occupational diseases." Reviewed by F. A. Savina, V. G. Naumenko. Sud.-med. ekspert. 6 no. 4:58-67 O-D '63.

Proceedings of industrial hygiene and occupational pathology in the Sanitary and Hygienic Conference of the R.S.F.S.R. M. M. Ginsburg. Kaz. med. zhur. no. 5: 110-112 S-O '63.

Review of A. V. Grinberg's book "X-ray diagnosis of occupational *diseases of the bones and joints.*" G. A. Zedgenidze. Vest. rent. i rad. 38 no. 5:72-73 S-O '63.

Suppurative diseases of the fingers in industry and their treatment and prophylaxis. D. P. Pitsh. *Med. sestra* 22 no. 10:24-26 O '63.

OCCUPATIONAL DISEASES—CONGRESSES

First All-Union Symposium on Urgent Problems concerning Occupational Dermatology. A. P. Dolgov, T. S. Brusovich, A. A. Antonov. Gig. truda i prof. zab. 7 no. 4:56-58 Ja '63.

OCCUPATIONAL DISEASES—PERIODICALS

Tasks of the journal "Gigiena truda i professional'nye zabolevaniia" in 1963. Gig. truda i prof. zab. 7 no. 1: 1-4 Ja '63.

OCCUPATIONS

Supplement to the list of production processes, occupations, positions and work prohibiting the use of laborers under 18 years of age. Regulation No. 166, June 14, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. Biul. Gos. k-ta po vop. truda i zarabotnoi platy no. 7:10 '63.

OCEAN BOTTOM

Effect of roughness of the bottom on waves in shallow waters. A. M. Zhukovets. Izv. AN SSSR. Ser. geofiz. no. 10:1561-1570 O '63.

OCEAN SOUNDS

Sounds in the ocean. M. Konstantinovskii. Znan.-sila No. 10. 9, 31-36 S '63.

OCEANICA—ATOMIC WEAPONS—TESTING

A new atomic mushroom? Az. i Afr. segi. no. 12:26 D '63.

OCEANICA—POLITICS

A "reservation" of colonialism in Oceanica. K. Maiskii. Az. i Afr. segi. no. 12:24-26 D '63.

OCEANOGRAPHIC RESEARCH
(see also subdivision under Arctic regions)

Discovery of a new continent. Tekh. mol. 31 no. 11,20 '63.

OCEANOGRAPHY
(see also subdivision under Pacific Ocean)

Density of the intermediate layer in oceans. N. N. Mikhailov. Inform. sbor. NIIGA no. 31:61-64 '62.

Effect of interior waves on vertical exchange in the ocean. N. T. Glinskii, S. G. Boguslavskii. Izv. AN SSSR. Ser. geofiz. no. 10:1554-1560 O '63.

Valuable contribution to oceanographic literature. L. A. Demin. Izv. Vses. geog. ob-va 95 no. 5:470-472 S-O '63.

Will the Caspian Sea level continue to fall? V. Antonov. Mor. flot 23 no. 11:42-43 N '63.

OCHRIDA, LAKE—POLYZOA

Fauna of Lake Ochrida; Bryozoa, Phylactolaemata [with summary in English]. G. G. Abrikosov. Zool. zhur. 42 no. 9:1409-1410 '63.

OCTADECANOIC ACID

Low-temperature catalytic conversions of organic compounds on clays. Report No. 6: Conversion of hydroxystearic acid. A. I. Bogomolov, L. I. Khotyntseva. Trudy VNIIGRI no. 212. Geokhim. sbor. no. 6:87-94 '63.

ODESSA—BREWING INDUSTRY—ACCOUNTING

Accounting for the sale of finished products in centralized delivery to the trade system. V. Palii. Bukhg. uchet 29 no. 9:81-84 S '63.

ODESSA—ECONOMIC GEOGRAPHY

Several features of the economic geography of the city of Odessa. L. V. Gnatiuk. Geog. i khoz. no. 12:55-62 '63.

ODESSA—GUIDEBOOKS

[Odessa; reference book (as of March 1, *1963*)] *Odessa;* spravochnik (po sostoianiiu na 1. III-1963 g.) [Odessa] Odesskoe knizhnoe izd-vo, 1963. 207 p. illus.

ODESSA—MOTION PICTURES IN INDUSTRY

From the editor's mail. Sots. trud 8 no. 10:124-126 O '63.

ODESSA—RAILROADS—EMPLOYEES—MEDICAL CARE

Result of a fluorographic examination of the workers of the Odessa Railway and the members of their families (with summary in English). A. I. Liubarskii-Zaika. Klin. med. 40 no. 11:110-112 N '62.

ODESSA—RESTAURANTS, LUNCHROOMS, ETC

Resort enterprises' solved and unsolved problems. N. Arashkevich. Obshchestv. pit. no. 9:61-64 S '63.

ODESSA—REVOLUTION, 1917-1921

Konovalov, V. G. [Heroic deeds of the cruiser "Almaz"] Podvig "Almaza." [Odessa] Odesskoe knizhnoe izd-vo, 1963. 257 p.

ODESSA—WORLD WAR, 1939-1945

Bolko, F. F. [Fortress of the Black Sea region] "Stiadel' Chernomor'ia. Moskva, Voenizdat, 1963. 134 p. (Geroicheskoe proshloe nashei Rodiny)

ODESSA GULF—MOLLUSKS

Unusual density of population of the mollusk Aloidis macotica (Mill.) in Odessa Gulf [with summary in English]. V. P. Zakutskii. Zool. zhur. 42 no. 10:1579-1580 '63.

ODESSA PROVINCE—GRAIN ELEVATORS—ACCOUNTING

Tovshtein, K. M. [Analysis of the managerial operations of grain-receiving enterprises] Analiz khoziaistvennoi deiatel'nosti khlebopriemnykh predpriiatii. Pod red. A. N. Platonova. Moskva, TsINTI, 1963. 69 p.

ODESSA PROVINCE—STATE FARMS—ACCOUNTING

Accounting for labor and wages. D. F. Romanenkov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:22-25 O '63.

ODESSA REGION—COAST CHANGES

Volumetric study of landslides in a region of the Odessa coast. T. I. Kustova. Geol. zhur. 23 no. 5:72-77 '63.

ODESSA REGION—LANDSLIDES

Volumetric study of landslides in a region of the Odessa coast. T. I. Kustova. Geol. zhur. 23 no. 5:72-77 '63.

ODINTSOV, GRIGORII VASIL'EVICH, 1899-1961

G. V. Odintsov; obituary. Izv. LETI no. 47:386-389 '62.

OFFENSES AGAINST PROPERTY

How to organize the investigation of pilfering and bribery cases. G. Kravets, A. Gerasun. Sots. zakon. 40 no. 11 55-58 N '63.

OFFENSES AGAINST SOCIALIST PROPERTY
(see also subdivision under Moscow; Ukraine)

Crime prevention is the most effective way of safeguarding socialist property. F. Glukh. Sots. zakon. 40 no. 11 13-19 N '63.

Determining the amount of stolen or pilfered property. V. Tanasevich. Sots. zakon. 40 no. 10:63-64 O '63.

Let us fully eliminate the conditions which open the door to the pilfering of lumber. A. Hornyts'kyi, I. Lanovenko. Rad. pravo no. 6:44-47 N-D '63.

Let us stop playing "hide-and-seek." Sots. zakon. 40 no. 8:46-47 S '63.

Our workers showed her the cold shoulder. A. Balash. Rab. i stial. 39 no. 10:14-15 O '63.

We must ensure the complete reimbursement of loss caused by the pilfering of communal property. Sov. iust. no. 20:1-3 O '63.

OFFICE MANAGEMENT

Rozenblium, R. I. [Correspondence and office management of trade organizations and enterprises] Korrespondentsiia i deloproizvodstvo torgovykh organizatsii i predpriiatii. Moskva, Gostorgizdat, 1962. 143 p. [Cover title: Torgovaia korrespondentsiia]

OGAREV, NIKOLAI PLATONOVICH, 1813-1877

N. P. Ogarev, a theoretician of and fighter for the peasant revolution; on the 150th anniversary of his birth. E. L. Rudnitskaia. Ist. SSSR 7 no. 6:33-56 N-D '63.

N. P. Ogarev's part in the struggle for the political emancipation of Russia; on the 150th anniversary of his birth [with summary in English. 219-220]. IA. I. Linkov. Vop. ist. 38 no. 12:13-30 D '63.

Poet and revolutionary. F. Gol'din. Nar. obr. no. 12: 101-102 D '63.

Putintsev, V. A. [N. P. Ogarev; his life, world outlook, and work] *N. P. Ogarev; zhizn', mirovozzrenie,* tvorchestvo. Moskva, Izd-vo Akad. nauk SSSR, 1963. 256 p.

OGAREV, NIKOLAI PLATONOVICH, 1813-1877—BIBLIOGRAPHY see Bibliography—*Ogarev, Nikolai Platonovich,* 1813-1877

OIL FIELD BRINES see subdivision under Tatar A.S.S.R.

OIL FIELD FLOODING

Flooding oil from nonuniform porous media with waters having various compositions. Sh. K. Gimatudinov, I. M. Muraviev, A. E. Evgen'ev. Izv. vys. ucheb. zav.: neft' i gaz 4 no. 12:61-64 '61.

OIL FIELDS see subdivision under Bavly

OIL HYDRAULIC MACHINERY

Aleksapol'skii, D. IA. [Hydrodynamic transmissions] Gidrodinamicheskie peredachi. Moskva, Mashgiz, 1963. 271 p.

Coordination of the intake and outlet angles of the blading systems of hydraulic torque converters. A. S. Gordeev, M. I. Natovich. Trudy MIIT no. 175 86-107 '63.

Experimental study of the structure of the flow in the blading of a regulated hydraulic torque converter. A. S. Gordeev. Trudy MIIT no. 175 36-58 '63.

Inspection of the fitting of blades in the impellers of hydraulic torque converters. M. N. Agapova. Trudy MIIT no. 175. 108-114 '63.

Investigating the single-flow hydrodynamic transmission with a synchronizing hydraulic clutch. A. S. Gordeev, V. I. IUshko. Trudy MIIT no. 175 59-72 '63.

Movement of cam clutches and the dynamic loads in the elements of the gearbox of single-flow hydrodynamic transmissions. V. I. IUshko. Trudy MIIT no. 175 73-85 '63.

Operational stability of a hydraulic and electric drive with reciprocating motion and clearance. A. V. Mozgalevskii, IU. A. Lukomskii. Izv. vys. ucheb. zav.: elektromekh. 6 no. 9:1123-1125 '63.

Studying the blading of hydrotransmitters. A. S. Gordeev. Trudy MIIT no. 175 5-35 '63.

Torsion of the rods of bolted joints. A. F. Dubrovskii. Trudy MIIT no. 175 135-145 '63.

Using new makes of pumps for hydraulic systems of tractors. G. L. Kal'bus. Mashinostroenie no. 6 87-90 N-D '63.

OIL INDUSTRIES
(see also subdivision under Moscow)

Results of the work of the oils and fats industry of the Russian S.F.S.R. during the first half of 1962. Masl.-zhir. prom. 28 no. 10 6-9 O '62

Road of glorious labor victories. Masl.-zhir. prom. 28 no. 10 1-5 O '62.

OIL INDUSTRIES—BY-PRODUCTS

Technical and economic evaluation of the methods for the recovery of water soluble acids forming during the production of synthetic fatty acids. L. D. Prokopchuk. Trudy NIISZHIMSa no. 3:82-85 '62.

OIL INDUSTRIES—PERIODICALS

Publication plan of the "Maslobono-zhirovaia promyshlennost'" journal for 1964. Masl.-zhir. prom. 29 no. 10 45-47 O '63.

OIL INDUSTRIES—SAFETY MEASURES

All-Union conference on labor protection and safety engineering. V. V. Bukharin. Masl.-zhir. prom. 28 no. 10 45-46 O '62

In the Central Committee of the Food Industry Workers. V. V. Bukharin. Masl.-zhir. prom. 29 no. 10 43-44 O '63.

OIL RESERVOIR ENGINEERING

Accuracy of the prediction of the yield of a well. M. M. Mendel'son, M. I. Shvidler. Izv. AN SSSR. Mekh. i mashinostr. no. 5:148-150 S-O '63.

Calculation of the yield of a well in case of a pressureless flow and a slightly permeable foundation. V. G. Melamed. Izv. AN SSSR. Mekh. i mashinostr. no. 5: 160-161 S-O '63.

Capillary pressure jump overcomes the paradox of displacement of the interface of ponderable fluids. A. Sh. Kazymov, V. P. Pilatovskii. Dokl. AN Azerb. SSR 19 no. 4:17-23 '63.

Effect of an elastic reserve of the contour zone on the behavior of an oil pool in developing it at a pressure below the saturation pressure. G. P. Guseinov, N. R. Vagabova. Azerb. neft. khoz. 40 no. 5:27-29 My '61.

Estimating the error of a simple approximative formula for calculating the amount of fluid recovered from a layer. V. N. Shchelkachev. Izv. vys. ucheb. zav.: neft' i gaz 4 no. 12:73-75 '61.

Method of calculating bottom and reservoir pressures and determining the parameters of reservoirs in elastic drive in the case of variable production. Li-IUn-Shan [Li-Yung-Shang]. Azerb. neft. khoz. 40 no. 5:30-32 My '61.

Solving some problems in studying the processes of the displacement of frontal waters from injection wells to recovery wells and their progressive encroachment [in Azerbaijani with summary in Russian]. Z. A. Azimov and others. Azerb. neft. khoz. 40 no. 5:21-24 My '61.

OIL SANDS

Second All-Union Conference on Fractured Reservoirs. Geol. zhur. 23 no. 5 105-106 '63.

OIL SHALES

Volkhonskaia, R. A., and others. [Building materials made of waste products from oil shale winning and processing] Stroitel'nye materialy iz otkhodov dobychi i pererabotki goriuchikh slantsev. Leningrad, 1963. 35 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Serila: Stroitel'nye materialy i konstruktsii, no. 4)

OIL WELL CASING

Spontaneous hydraulic fracturing in flushing and cementing casing columns. M. K. Seid-Rza, B. O. Sadykhov, T. G. Faradzhev. Izv. vys. ucheb. zav., neft' i gaz 4 no. 12:55-60 '61.

OIL WELL DRILLING

(see also subdivision under Karadag region, Turkmenistan, Tuymazy region)

Determining the increase in the angle and azimuth of deflection of inclined wells in drilling without a deflector. M. P. Gulizade, D. M. Makhmudov. Izv. vys. ucheb. zav., neft' i gaz 4 no. 12:49-53 '61.

Features of bottom hole scavenging in drilling under complex conditions. A. A. Movsumov, T. G. Faradzhev, G. E. Karasik. Azerb. neft. khoz. 40 no. 5:13-16 My '61.

Technical conference on extra-deep drilling. M. Gol'd. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 12,72 '61.

OIL WELL DRILLING—EQUIPMENT AND SUPPLIES

Designing drill columns for operation in inclined wells. I. F. Kasimov, K. B. Shakhbazbekov. Izv. vys. ucheb. zav., neft' i gaz 4 no. 12:33-35 '61.

OIL WELL DRILLING—SAFETY MEASURES

Vetrov, A. K. [Accidents during core drilling and methods to control them] Avarii pri kolonkovom burenii i sposoby bor'by s nimi. Moskva, Gosgeoltekhizdat, 1963. 153 p.

OIL WELL DRILLING, SUBMARINE see subdivision under Caspian Sea

OIL WELL DRILLING FLUIDS—ANALYSIS

Experimental determination of the coefficient of friction of mud cakes. F. A. Dashdamirov, A. A. Shamsiev. Azerb. neft. khoz. 40 no. 5:16-19 My '61

OIL WELL DRILLING RIGS

Saakov, M. A. [Construction and mounting of drilling rigs] Stroitel'stvo i montazh burovykh. Moskva, Gostoptekhizdat, 1963. 361 p.

OIL WELL PUMPS

Strengthening the plunger pair of depth pumps. A. P. Buzdakov, E. M. Rustamov. Za tekh. prog. 3 no. 10:17-20 O '63.

Supply ratio of a piston pump at high pressures. M. A. Kaiaev. Za tekh. prog. 3 no. 7:33-35 Jl '63.

OIL WELLS

Unsteady plane-radial motion of a compressible liquid in an elastic inhomogeneous stratum. G. P. Guseinov, G. S. Kambarov. Izv. AN Azerb. SSR Ser. fiz.-mat. i tekh. nauk no. 4:105-119 '63.

OIL WELLS—ELECTRONIC EQUIPMENT

Inductive transducer for dynamometry in oil wells. T. M. Aliev and others. Izv. vys. ucheb. zav., neft' i gaz 4 no. 12:103-108 '61.

OIL WELLS—EQUIPMENT AND SUPPLIES

Tightness calculation of flanged couplings of equipment for hermetic sealing of a flowing-well mouth. R. A. Ramazanov. Za tekh. prog. 3 no. 7:27-31 Jl '63.

OIL WELLS—GAS LIFT

Improving the design of the single-stage lift [in Azerbaijani with summary in Russian]. M. A. Abdullaev, O. M. Rustamov. Azerb. neft. khoz. 40 no. 5:32-35 My '61.

Study of the relative slippage of phases in the movement of a gas-oil mixture in vertical tubes. K. V. Vinogradov. Azerb. neft. khoz. 40 no. 5:24-27 My '61.

OIL WELLS—HYDRAULIC FRACTURING

Spontaneous hydraulic fracturing in flushing and cementing casing columns. M. K. Seid-Rza, B. O. Sadykhov, T. G. Faradzhev. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 12:55-60 '61.

OILS AND FATS

Changes in the fat of corn seeds during prolonged storage. V. V. Makarov, A. P. Prokhorova. Trudy VNIIZ no. 43:57-67 '63.

Chemistry in the oils and fats industry. A. L. Markman. Masl.-zhir. prom. 29 no. 11 4-8 N '63.

Concerning N. M. Emanuel and Iu. N. Liaskovskaia's book "Retarding oxidation processes in oils and fats." B. I. Khomutov, G. V. Korolev. Masl.-zhir. prom. 28 no. 10:40-41 O '62.

Conference on the automation of oil extraction operations. Masl.-zhir. prom. 29 no. 10:44 O '63.

Effect of fats on the formation of nystatin from a highly productive strain of Str. nourset [with summary in English]. L. A. Popova, N. F. Stepanova. Antibiotiki 7 no. 10:868-873 O '62.

Effect of surface-active substances on oil yield in pressing. K. E. Leont'evskii, M. I. Tikhonov, M. A. Chudnovskaia. Masl.-zhir. prom. 28 no. 10:17-20 O '62.

Evaluating the quality of the crushing of oilseeds or their kernels. V. E. Ovcharenko, A. V. Nechaeva. Masl.-zhir. prom. 29 no. 10:8-10 O '63.

Experience in the processing of foreign oil cakes. G. K. Pen'kov. Masl.-zhir. prom. 28 no. 10, 35-37 O '62.

Methods for determining the degree of crushing of oil-bearing materials. K. E. Leont'evskii, M. A. Chudnovskaia. Masl.-zhir. prom. 29 no. 10 3-5 O '63.

Redesigned MP-21 press. G. V. Zaicenko, L. A. Gel'perin. Masl.-zhir. prom. 28 no. 10 29-31 O '62.

Regeneration of the wastes of alcohol used for determining the acid number of oils and fats. K. I. Erpuleva. Masl.-zhir. prom. 29 no. 10:39 O '63.

Review of A. Andersen's book "Refining of oils and fats." A. A. Shmidt. Masl.-zhir. prom. 29 no. 10:40 O '63.

Use of acetoglycerides in various branches of the oils and fats industry. V. A. Mazlukevich. Masl.-zhir. prom. 29 no. 10 41-42 O '63.

OILS AND FATS—ANALYSIS

Changes in the acid and peroxide number of oil during prolonged storage. L. I. Kozlova, P. M. Ermakova. Masl.-zhir. prom. 28 no. 10 20-21 O '62.

Paper chromatography of fat aldehydes. A. I. Trippel'. Izv. vys. ucheb. zav., pishch. tekh. no. 5:155-157 '63.

OILS AND FATS—PATENTS

From foreign literature on patents in the oils and fats industry. G. S. Frid. Masl.-zhir. prom. 28 no. 10 42-43 O '62.

OILS AND FATS—TRANSPORTATION

Transportation of oils and fats in bulk. E. IA. Styan. Masl.-zhir. prom. 28 no. 10, 47 O '62.

OILS AND FATS, EDIBLE

(see also subdivision under United States)

Fractioning of animal fats. IU. G. Bortnik. Masl.-zhir. prom. 29 no. 10:35 O '63.

Oils and fats for the production of chocolate. V. S. Griuner, E. V. Chechelashvili. Izv. vys. ucheb. zav., pishch. tekh. no. 5:76-80 '63.

Possibility of using fat for parenteral nutrition in surgical diseases, review of Soviet and foreign literature. I. G. Andrianova. Vest. khir. 90 no. 6 133-141 Je '63.

Technical and economic efficiency of fat cooling in a cooler with knife rolls. N. K. Nikolaev, I. I. Sokolov. Izv. vys. ucheb. zav., pishch. tekh. no. 5:7-9 '63.

OILSEED PLANTS—ECONOMIC ASPECTS

Peremykin, V. I., and N. I. Dvoriadkin. [Economics of oilseed plant production] Ekonomika proizvodstva maslichnykh kul'tur. Moskva, Sel'khozizdat, 1963. 346 p.

OKA VALLEY—FIELD CROPS—FERTILIZERS AND MANURES

Dynamics of soil processes and the effectiveness of fertilizers in the floodlands of the upper Oka Valley. L. I. Korableva. Pochv. poch. rus. rav. no. 2:26-76 '63.

OKA VALLEY—PASTURE RESEARCH

Methods for carrying out experiments in meadows [with summaries in English, German, and French]. T. A. Rabotnov. Vest. sel'khoz. nauki 8 no. 6:120-126 Je '63.

OKA VALLEY—SOIL CHEMISTRY

Dynamics of soil processes and the effectiveness of fertilizers in the floodlands of the upper Oka Valley. L. I. Korableva. Pochv. poch. rus. rav. no. 2 26-76 '63.

OKA VALLEY—TRUCK FARMING

Generous hectares. A. Gol'tsov. Agitator no. 22:36-39 N '63.

OKUSHKO, VLADIMIR FUL'GENT'EVICH, 1862-1919

Rodnin, K. D., and R. V. Okushko. [Vladimir Ful'gent'evich Okushko, pedagogue and artist] Vladimir Ful'gent'evich Okushko, pedagog i khudozhnik. Kishinev, Kartia moldoveniaske, 1963. 36 p. illus., 15 plates. (MH)

OLBRACHT, IVAN, pseud. see Zeman, Kamil, 1882-1952

OLD-AGE HOMES see subdivision under Bashkiria; Novosibirsk Province

OLD-AGE PENSIONS

Dziubinskaia, IA. S. [What documents prove the length of service required for the award of state pensions] Kakimi dokumentami podtverzhdaetsia trudovoi stazh pri naznachenii gosudarstvennykh pensii. Moskva, Gosiurizdat, 1963. 56 p. (IUridicheskie konsul'tatsii dlia naselenila v voprosakh i otvetakh)

Under what conditions are old-age pensions awarded with insufficient length of service. A. Kartskhiia. Sots. obesp. 24 no. 9:18-20 S '63.

OLEFINS

Alkylation of biphenyl by olefins. Sh. T. Akmedov, G. IU. Gadzhiev. Azerb. khim. zhur. no. 3:38-47 '62.

On the theory of low-temperature interaction between atomic hydrogen obtained in the gas phase and solid olefins. A. N. Ponomarev, V. L. Tal'roze. Kin. i kat. 4 no. 5, 857-861 S-O '63.

Production of cyclopropane hydrocarbons by the reduction of dihalocarbene adducts to olefins. O. M. Nefedov, N. N. Novitskaia, A. D. Petrov. Dokl. AN SSSR 152 no. 3 628-632 S '63.

OLENEK VALLEY—GEOLOGY, STRATIGRAPHIC

Stratigraphy of the sediments of the Kuonamka horizon in the northern part of the Siberian Platform (Cambrian of the Sukhana Depression and the Kuoyka Upland). N. A. Boshchcheva, N. P. Lazarenko. Inform. sbor. NIIGA no. 32:8-20 '62.

OLENEK VALLEY—KIMBERLITE

Kimberlites of the Anabar-Olenek area and their genesis. V. A. Milashev, M. I. Rabkin. Trudy IAFAN AN SSSR, Ser. geol. no. 9 45-53 '63.

OLENINO (KALININ PROVINCE)—LUMBERING—LABOR PRODUCTIVITY

Berezin, V. P., G. A. Zotov, and S. A. Shalaev. [Potentials for increasing labor productivity, from the work practice of the Olenino Lumbering Camp] Rezervy rosta proizvoditel'nosti truda; iz opyta raboty Oleninskogo lespromkhoza. Moskva, Goslesbumizdat, 1963. 77 p.

OLEOMARGARINE

(see also subdivision under United States)

Polymorphic transformations in the production of margarine with the supercooling method. IA. S. Mcerov. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:69-75 '63.

Polymorphic transformations of the individual components of the oil base of margarine. N. I. Kozin, I. N. Makarenko. Masl.-zhir. prom. 29 no. 10:11-14 O '63.

OLFACTORY NERVE

Higher olfactory centers and ovarian activity in rats. T. D. Dzidziguri, M. K. Kobakhidze. Probl. endok. i gorm. 9 no. 5:46-48 S-O '63.

Study of the olfactory sensitivity in persons following the effect of SHF. E. A. Lobanova, Z. V. Gordon. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1 52-56 '60.

OLITORISIDE

Olitoriside. T. G. Shaklrev. Med. sestra 22 no. 11:45 N '63.

OL'MINSKII, M., pseud. see Aleksandrov, Mikhail Stepanovich, 1803-1933

OLONETS GOVERNMENT—HISTORY

Formation of industrial migration in the Olonets Government during the second half of the 19th century. B. V. Filippov. Uch. zap. Petrozav. gos. un. 7 no. 1 298-303 '58.

OLONETS GOVERNMENT—PEASANTRY

Dissatisfaction of the serf peasants in the Olonets Government in response to the Reform of 1861. B. V. Filippov. Uch. zap. Petrozav. gos. un. 7 no. 1:293-298 '58.

Stratification of registered peasants in the Olonets Government during the first half of the 19th century. IA. A. Balagurov. Uch. zap. Petrozav. gos. un. 7 no. 1:3-23 '58.

OLYMPIC GAMES

Tokyo is on the horizon. A. Kiknadze. Ogonek 41 no. 52:29 D '63.

OLYMPIC GAMES (WINTER) see subdivision under Innsbruck

OMENS

Shakhnovich, M. I. [Omens in the light of science] Primety v svete nauki. [Leningrad] Lenizdat, 1963. 113 p. (Bibliotechka ateista)

OMSK—CONCRETE FOOTINGS

Experiment in erecting a foundation for an apartment house on a pile foundation. M. P. Balakhnin. Transp. stroi. 13 no. 9:37-38 S '63.

OMSK—CONCRETE PILING

Experiment in erecting a foundation for an apartment house on a pile foundation. M. P. Balakhnin. Transp. stroi. 13 no. 9:37-38 S '03.

OMSK—PHYSICAL FITNESS

Physical development and training results in Omsk school children. E. S. Getsel'd. Probl. fiz. sporta no. 2:278-284 '61.

OMSK ECONOMIC REGION—INFORMATION SERVICES

Surveys and competitions in the field of technological information at enterprises and in organizations of the Omsk Economic Council. A. M. Tishchenko. Opyt rab. po tekh. inform. i prop. no. 1:16-18 '63.

OMSK PROVINCE—CHEMICAL INDUSTRIES

The country expects a good return. K. Golikov. Part. zhizn' no. 24:27-29 D '63.

OMSK PROVINCE—ECONOMIC CONDITIONS

Chistiakov, A. D., and I. S. Kunitsa, comps. [Omsk Province; facts and figures] Omskaia oblast'; fakty i tsifry. [Omsk] Omskoe knizhnoe izd-vo, 1962. 220 p.

OMSK PROVINCE—HEMORRHAGIC FEVER

Data on the epidemiological prognosis of Omsk hemorrhagic fever. V. I. Alifanov and others. Med. parazit. i parazit. bol. 32 no. 5:621 S-O '63.

ONCOLOGY
(see also subdivision under Leningrad)

Minutes of the Scientific Society of Leningrad and Leningrad Province Oncologists for Meeting No. 74 on January 3, 1963. Vop. onk. 9 no. 7:120-122 '63.

Minutes of the Scientific Society of Moscow and Moscow Province Oncologists for Meeting No. 76 on September 27, 1962. Vop. onk. 9 no. 7:118-120 '63.

Oncological diseases according to prospection data of the Department of Pathological Anatomy of the First Moscow Medical Institute over a 30-year period (1930-1958) (with summary in English). N. P. Volgunova. Arkh. pat. 25 no. 7:72-80 '63.

ONCOLOGY—ABSTRACTS

[General problems of pathology. Oncology] Ref. zhur.: Ob"ekty issl. Onk. no. 22 N '63.

ONCOLOGY—BIBLIOGRAPHY see Bibliography—Oncology

ONEGA LAKE—ICE

Characteristics and forecasting of ice conditions on the Onega Lake. A. Stepanova. Trudy GGI no. 99:68-125 '62.

ONIONS—HARVESTING

Onion harvesting machine. N. Didenko. Tekh. v sel'khoz. 23 no. 10:46-48 O '63.

OPEN-CUT MINING see Strip mining

OPEN-HEARTH FURNACES

Automatic control of thermal conditions of open-hearth furnaces. N. S. Skorik. Mekh. i avtom. proizv. 17 no. 10:6-9 O '63.

Increasing the output of open-hearth furnaces. G. L. Gurskii, K. M. Tubaltsev. Metallurg 8 no. 11:13-17 N '63.

OPEN-HEARTH FURNACES—DESIGN AND CONSTRUCTION

Increasing the durability of steel tapping spout linings. I. G. Kutsenko. Metallurg 8 no. 10:18-19 O '63.

Laying the brickwork of open-hearth and electric steel smelting furnaces of dolomite blocks. A. Lekhtik. Metallurg 8 no. 10:19-20 O '63.

Lychagin, A. S. [Design of open-hearth furnaces] Proektirovanie martenovskikh pechei. Izd 2., ispr. i dop. Moskva, Metallurgizdat, 1963. 280 p.

Service life of refractories in open-hearth furnace plants. P. I. Koval'chuk. Metallurg 8 no. 11:19-20 N '63.

OPEN-HEARTH FURNACES—EQUIPMENT AND SUPPLIES

Results of research on the efficiency of a mazut flame jet. V. G. Matenko and others. Izv. vys. ucheb. zav.; chern. met. 6 no. 10:139-148 '63.

OPEN-HEARTH FURNACES—MAINTENANCE AND REPAIR

Determining the fusion point of hearth bottom fritting and ramming materials in basic open-hearth furnaces. A. L. Klein, V. G. TSikarev. Ogneupory 28 no. 11:525-527 '63.

OPEN-HEARTH PROCESS

Brain and pulse of a Martin furnance. M. Korobko. Znan. sila 38 no. 10:15-18 O '61

Determining the coefficient of work rhythmicity in modern open-hearth furnace plants. I. I. Kolyliakov. Izv. vys. ucheb. zav.; chern. met. 6 no. 10:184-187 '63.

OPERA—PRODUCTION AND DIRECTION

Vanslov, V. V. [Opera and its staging] Opera i ee sisteticheskoe voploshchenie. Moskva, Vsesoiuz. teatral'noe ob-vo, 1963. 253 p.

OPERA, UKRAINIAN

An unfinished opera. V. K. Ukraina no. 9:24 My '62.

OPERAS—STAGE GUIDES

Vanslov, V. V. [Pictorial arts and the musical theater] Izobrazitel'noe iskusstvo i muzykal'nyi teatr. Moskva, Sovetskii khudozhnik, 1963. 101 p. illus.

OPERATIONS, SURGICAL
(see also subdivision under Voynilov District)

Emergency surgery in patients in a state of shock and collapse [with summary in English]. V. I. Zak, M. A. Bolgov. Vest. khir. 90 no. 6:43-46 Je '63.

Role of blood transfusion and blood substitutes in the compound treatment of diabetic patients [with summary in English]. V. D. Sokolovskii. Vest. khir. 90 no. 6: 8-14 Je '63.

OPERATIVE SURGERY see Surgery, Operative

OPERATORS (MATHEMATICS)

Approximate solution of nonlinear operator equations by Iu. D. Sokolov's method. N. S. Kurpel'. Ukr. mat. zhur. 15 no. 3:309-314 '63.

Asymptotic behavior of the spectral function of a class of hypoelliptic operators. V. N. Gorchakov. Dokl. AN SSSR 152 no. 3:519-522 S '63.

Dynamic mapping. D. A. Suprunenko, R. I. Tyshkevich. Dokl. AN BSSR 7 no. 5:289-292 My '63.

Evaluating the norm of a linear operator in the class of integral functions of finite power. I. I. Ibragimov. Dokl. AN SSSR 152 no. 5 1054-1057 O '63.

Evaluation of a differential operator in the class of integral functions of finite power. I. I. Ibragimov, A. S. Dzhafarov. Dokl. AN SSSR 152 no. 3.533-536 S '63.

An iterative process for a nonlinear operator equation R. A. Shafiev. Dokl. AN Azerb. SSR 19 no. 4:3-9 '63.

Operators with perfectly continuous iterations. I. S. Iokhvidov. Dokl. AN SSSR 153 no. 2 258-261 N '63

A property of completely continuous operators in C-space. I. K. Daugavet. Usp. mat. nauk. 18 no. 5:157-158 S-O '63.

Representations of linear continuous operators by abstract functions, and the embedding theorems. V. B. Korotkov. Dokl. AN SSSR 153 no. 2:262-265 N '63.

Self-adjointness of the Sturm-Liouville operator. R. S. Ismagilov. Usp. mat. nauk. 18 no. 5:161-166 S-O '63.

Separation of self-action and scattering effects under the perturbation theory. L. D. Faddeev. Dokl. AN SSSR 152 no. 3:573-576 S '63.

Simple solutions of operator equations in the case of branching. A. E. Gel'man. Dokl. AN SSSR 152 no. 5 1042-1044 O '63.

Smoothness up to the domain boundary of a spectral function of a self-adjoint differential elliptic operator. Iu. M. Berezanskii. Dokl. AN SSSR 152 no. 3:511-514 S '63.

Spectral resolutions of symmetric operators. A. V. Shtraus. Dokl. AN SSSR 152 no. 3 563-566 S '63.

OPPEL', VLADIMIR ANDREEVICH, 1872-1932

Vladimir Andreevich Oppel' on the 90th anniversary of his birth. V. V. Ornatskii. Vest. khir. 91 no. 7 129-134 Jl '63.

OPTICAL GLASS see Glass, Optical

OPTICAL INSTRUMENTS
(see also subdivision under Germany, East)

Device for studying the polarization of light. F. S. Agashin. Izv. vys. ucheb. zav., fiz. no. 3:187-188 '63

[Handbook for the designer of optical instruments] Spravochnik konstruktora optiko-mekhanicheskikh priborov. [By] M. IA. Kruger i dr. Pod red. M. IA. Krugera i V. A. Panova. Moskva, Mashgiz, 1963. 803 p.

OPTICAL INSTRUMENTS—ABSTRACTS

[Precision mechanics, optics, and testing apparatus] Ref. zhur.: Toch. mekh., opt. i isp. app. no. 11 N '63.

OPTICAL MEASUREMENTS

Investigating errors of the observer in visual recording of scale graduation units. I. D. Fainerman. Izm. tekh. no. 10:21-23 O '63.

Measurement of the acoustooptical effect during the irradiation of certain gases and vapors by ultraviolet rays. IA. I. Gerlovin. Opt. i spektr. 15 no. 5:713-715 N '63.

Telescopes for measuring the nonrectilinearity and noncoaxiality of medium-size articles by the sighting method. E. I. Rozenberg, I. E. Efros. Izm. tekh. no. 11:10-11 N '63.

OPTICAL PATTERN RECOGNITION

Application of the sequential method of station to the recognition of forms. Iu. V. V no. 9:22-26 '63.

OPTICS, GEOMETRICAL

Radiation from an oscillator moving in an medium [with summary in English]. B. Izv. vys. ucheb. zav.; radiofiz. 6 no. 5:9(

OPTICS, PHYSICAL

Role of optical phonons in phonon relaxatio shcheev. Izv. AN Latv. SSR no. 9:49-56

OPTICS, PHYSIOLOGICAL

Criterion of the equivalent resolution, its application (with summary in English on Selivanov. Tekh. kino i telev. 7 no. 10:

Stereoimage. I. T. Bzhalava. Eksp. issl. p 2:69-75 '63.

ORBIT (EYE)—CANCER

Orbital melanomas [with summary in Eng A. P. Shanin. Trudy Inst. onk. AMN SSSR '60.

ORE DEPOSITS
(see also subdivision under Akhtala region, Armenia, Kafan District; Krivoy Rog Basin, Maritime Territory, Norilsk region, Transcarpathia)

Korolev, A. V. [Selected works] Izbrannye trudy. Tashkent, Izd-vo Akad nauk UzSSR.
Vol. 1. 1963. 499 p

Letter to the editors. Sov. geol. 6 no. 12 156-159 D '63

Role of a subvolcanic massif in the formation of vein-disseminated ores. V. M Saakian. Izv. AN Arm. SSR Geol i geog. nauki 16 no. 4/5:173-176 '63

ORE DEPOSITS—MAPS see subdivision under Yakutia

ORE DRESSING
(see also subdivision under Soviet Central Asia, Tekeli, Kazakhstan, Tyrnyauz, Kabardino-Balkar A. S. S. R.)

Efficiency and methods of averaging the quality of asbestos ores. M. A Belov. Trudy NIIasbest no. 2 3-20 '62

Lur'e, L. A. [Briquetting in ferrous and nonferrous metallurgy] Briketirovanie v chernoi i tsvetnoi metallurgii. Moskva, Metallurgizdat, 1963 320 p.

Mechanization and automatic control of the assaying of ores and tailings in asbestos ore dressing plants. V. E Bakhtin, V. N. Panaev. Trudy NIIasbest no 2 127-132 '62.

Methods for the separation of accessory minerals from melanocratic igneous rocks. S. F. Sobolev. Trudy IMGRE no. 18 159-164 '63.

Pelletizing oxidized nickel ores. K. I. Ushakov, M. A. Volynskaia, L. A. Blinova. TSvet. met. 36 no. 10. 21-25 O '63.

Raputov, B. M. [Electrician of an ore-dressing plant] Elektroslesar' obogatitel'noi fabriki. Moskva, Gosgortekhizdat, 1963. 227 p.

Review of N. F. Olofinskii's book "Electric methods of ore dressing." A. I. Angelov, Iu. N. Nabiulin. TSvet. met. 36 no. 10:86-88 O '63.

Roasting oxidized nickel ore pellets in gas. F. F Kolesanov, E. K. Fedorov, A. S. Konareva. TSvet. met. 36 no. 10 26-29 O '63.

Waste heat utilization in the roasting of granulated copper-zinc charge mixtures in a fluidized bed. G IA. Krichevskii, V. I. Korsunskii, I. A. Denisova. TSvet met. 36 no. 10 35-40 O '63.

ORE DRESSING—EQUIPMENT AND SUPPLIES

Improving the physicomechanical properties of ferrosilicon suspensions with the help of reagents. V. I. Klassen, V. I. Litovko, N. F. Miasnikov. TSvet. met. 36 no. 10:17-20 O '63.

Method of heat calculations in the roasting of fluxed nodules. Iu. G. IAroshenko, S. V. Bazilevich, S. G. Bratchikov. Izv. vys. ucheb. zav.; chern. met. 6 no. 10. 22-29 '63.

New machines for the treatment of asbestos E. K. Muller, L. IA. Smirnova, A. I. Erofeev. Trudy NIIasbest no. 2 99-109 '62.

Vasil'ev, N. V. [Intrafactory transportation and storage facilities in ore-dressing plants] Vnutrifabrichnyi transport i skladskoe khoziaistvo obogatitel'nykh fabrik. Izd. 2., perer. i dop. Moskva, Gosgortekhizdat, 1963. 339 p.

Zhgulev, A. S. [Electrovibrating machine operator] Mashinist elektrovibratsionnoi mashiny. Moskva, Gosgortekhizdat, 1963. 91 p. (Bibliotechka molodogo obogatitelia)

ORE HANDLING

Vasil'ev, N. V. [Intrafactory transportation and storage facilities in ore-dressing plants] Vnutrifabrichnyi transport i skladskoe khoziaistvo obogatitel'nykh fabrik. Izd 2. perer. i dop. Moskva, Gosgortekhizdat, 1963.

OREL, BATTLE OF, 1943

Heirs to the glory of their fathers. N. Alekseev. Sov voin 45 no. 14:20-28 Jl '63.

Precious relics. N. Kuz'min. Sov. voin 45 no. 14:29 Jl '63.

ORENBURG PROVINCE—DISABILITY EVALUATION

What a field conference gave us. L. Nemerzel'. Sots. obesp. 24 no. 9:29 S '63.

ORENBURG PROVINCE—SHEEPSHEARING

The Orenburg method for shearing sheep reduces labor expenditure in half. N. Kholod. Ekon. sel'khoz. 34 no. 11:63-66 N '63.

ORES—SAMPLING AND ESTIMATION
(see also subdivision under Armenia)

Al'bov, M. N., and V. L. Chelyshev. [Mechanical trenching in testing cores of exploratory boreholes] Borozdovoe mekhanicheskoe oprobovanie kernov razvedochnykh skvazhin. Moskva, Gosgeoltekhizdat, 1963. 66 p.

ORGANIC COMPOUNDS

High-frequency method in organic analysis (survey). V. A. Zarinskii, I. A. Gur'ev. Zav. lab. 29 no. 10: 1157-1161 '63.

Microdetermination of calcium in organic substances by photometric titration with complexon III solution [with summary in English]. B. G. Belen'kii, L. IA. Severinets. Zhur. anal. khim. 18 no. 8:950-955 Ag '63.

On the direct determination of oxygen in organic compounds (with summary in English). A. L. Lebedeva, N. A. Nikolaeva. Zhur. anal. khim. 18 no. 8 984-988 Ag '63.

ORGANIC COMPOUNDS—ANALYSIS

Direct determination of oxygen in organic compounds by the method of microanalysis. IU. A. Mandrykina. Trudy VNIIGRI no. 212. Geokhim. sbor. no. 8:230-233 '63.

ORGANIC COMPOUNDS—SPECTRA

Use of nuclear quadrupole resonance for physicochemical analysis. V. S. Grechishkin, I. A. Kiuntsel', G. B. Soifer. Zav. lab. 29 no. 11:1310-1315 '63.

ORGANIC MATTER see subdivision under Siberian Platform

ORGANOMETALLIC COMPOUNDS

Ioffe, S. T., and A. N. Nesmeianov. [Methods of the chemistry of organometallic compounds, magnesium, beryllium calcium, strontium, barium] Metody elementoorganicheskoi khimii, magnii, berilliia, kal'tsii, strontsii, bariia. Pod obshchei red. A. N. Nesmeianova i K. A. Kocheshkova. Moskva, Izd-vo Akad. nauk SSSR, 1963. 561 p.

Reactions of organomercury and organolead compounds studied by the isotopic and mass-spectrometric method. G. A. Razuvaev and others. Dokl. AN SSSR 152 no. 5: 1122-1125 O '63.

ORGANS

Irregularity of the rate of organ transformation and the principle of the compensation of functions [with summary in English]. N. N. Vorontsov. Zool. zhur. 42 no. 9:1289-1305 '63.

ORGEEV DISTRICT—HOSPITALS, RURAL

Methodological center at a district hospital. E. M. Golovina, G. N. Kitsis. Zdravookhranenie 6 no. 5:8-9 S-O '63.

ORIENTAL SORE see Delhi boil

ORIENTAL STUDIES see subdivision under Japan

ORIENTAL TALES see Tales, Oriental

ORNITHOSIS

Continuing our discussion; ornithosis. I. I. Teraskikh. Zdorov'e 9 no. 10:12-13 O '63.

ORPHANS AND ORPHANAGES

Maksimova, E. M. [Pedagogical prose] Pedagogicheskaia proza. Moskva, Izd-vo "Sovetskaia Rossiia", 1963. 62 p. (Rasskazy o krasote dushevnoi)

ORSHA—POSTAL SERVICE—EMPLOYEES

The workers of a mail transportation department in Orsha are fighting for the right to be called "an enterprise of communist labor." A. E. Dubinskii. Vest. sviazi 23 no. 10:24-25 O '63.

ORTHODONTIA

Clinical aspects and treatment of deformities of the dental arch in children. S. A. Dubivko. Kaz. med. zhur. no. 5:53-56 S-O '63.

ORTHODOX EASTERN CHURCH
(see also subdivision under United States)

Tarasov, K. E. [Present-day ideology of orthodoxy] Ideologiia sovremennogo pravoslaviia, Moskva, Izd-vo "Znanie," 1963. 45 p. (Novoe v zhizni, nauke, tekhnike. II Seriia: Filosofiia, no. 10)

ORTHOGONAL FUNCTIONS see Functions, Orthogonal

ORTHOPEDIA

Book reviews. Med. sestra 22 no. 10,61-63 O '63.

Electromyographic examinations in a prosthetic orthopedic clinic. T. S. Vinogradova, V. S. Gurfinkel', IA. L. Slavutskii. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 231-241 '59.

ORTHOPEDIA—BIBLIOGRAPHY see Bibliography—Orthopedia

ORTHOPEDIC APPARATUS

Fixation of the extremities in the treatment of spastic contractures. S. A. Kalinina. Vest. khir. 91 no. 7:74-76 Jl '63.

Redresser for correcting talipes cavus and talipes equinus. V. F. Trubnikov, S. A. Reshetilo. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 259-261 '59.

ORTHOPEDIC APPARATUS INDUSTRY see subdivision under Moscow, Tula

ORTHOPEDIC SOCIETIES
(see also subdivision under Kharkov)

Report on the activities of the Societies of Traumatologists and Orthopedists for February 1963. Ortop., travm. i protez. 24 no. 6:86-94 Je '63.

OSCILLATIONS

Density function of oscillation frequencies and the heat capacity of the graphite lattice. V. M. Rubtsov. Izv. vys. ucheb. zav.; fiz. no. 5:147-150 '63.

International Symposium on Nonlinear Oscillations, Kiev, 1961. [Transactions of the International Symposium on Nonlinear Oscillations, International Union for Theoretical and Applied Mechanics] Trudy Mezhdunarodnogo simpoziuma po nelineinym kolebaniiam. Mezhdunarodnyi soiuz po teoreticheskoi i prikladnoi mekhanike. Kiev, Akad. nauk USSR.
Vol. 1. [Analytic methods of the theory of nonlinear oscillations] Analiticheskie metody teorii nelineinykh kolebanii. 1963. 512 p. (MH)

Natural frequency of a class of oscillatory systems with delayed forces. S. B. Norkin. Trudy Sem. po teor. diff. urav. s otklon. arg. 1:28-35 '62.

Two instruments for mechanical oscillations and waves. N. L. Bronnikov. Fiz. v shkole 23 no. 3:61-62 My-Je '63.

OSCILLATORS, CRYSTAL

Calculation of the Q factor of thermally compensated quartz resonators. A. F. Plonskii. Izv. vys. ucheb. zav., radiotekh. 6 no. 5:562-564 S-O '63.

Highly stable transistorized quartz oscillator. E. V. Dvornikov, E. A. Mavrin, N. V. Morkovin. Prib. i tekh. eksp. 8 no. 4:85-87 Jl-Ag '63.

Interference light modulator operating on several frequencies. B. A. Finagin. Trudy LKI. no. 36:111-120 '62.

OSCILLATORS, ELECTRIC

Apparatus for studying electron spin-lattice relaxation at low temperatures at a frequency of 9 Gc. IA. L. Shamfarov. Prib. i tekh. eksp. 8 no. 5:134-138 S-O '63.

Bipolar pulse generators for studying ferroelectrics. D. A. Tamboltsev, A. S. Novoselov. Prib. i tekh. eksp. 8 no. 5:125-127 S-O '63.

Generator of pulses with stable and linearly varying amplitudes. I. S. Krasheninnikov, V. V. Eldashev. Mnogokan. izm. sist. v iad. fiz. no. 5:171-172 '63.

High-precision shock oscillator. A. I. Gerasimov, G. V. Sklizkov. Prib. i tekh. eksp. 8 no. 5:128-129 S-O '63.

Measuring the technical width of a spectral line in a klystron oscillator. A. N. Malakhov, V. S. Serebriannikov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 5:1062-1065 '63.

Multipurpose pulse train generator [with summary in English]. Avtom. i telem. 24 no. 11:1589-1592 N '63.

Synchronization of multiphase multivibrators using a gate pulse voltage. IA. E. Belen'kii. Vop. pered. inform. 2:134-141 '63.

Theory of transients in a parametrically excited circuit [with summary in English]. S. A. Akhmanov, A. S. Roshal'. Izv. vys. ucheb. zav., radiofiz. 6 no. 5:1008-1020 '63.

OSCILLATORS, ELECTRON-TUBE

Generator of high-amplitude square voltage pulses. K. G. Finogenov. Prib. i tekh. eksp. 8 no. 4:184-186 Jl-Ag '63.

High-power oscillators on tunnel diodes. E. A. Akchurin, V. A. Styblik. Radiotekhnika 18 no. 11:46-49 N '63.

Measuring the amplitude fluctuations of an oscillator operating on semiconductor triodes. E. A. Zdornova, A. N. Malakhov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4:854-856 '63.

Network of a long power pulse generator with inductive storage device. P. N. Matkhanov, V. T. Grigor'ev. Izv. LETI no. 47:136-140 '62.

Relaxation oscillator on an avalanche transistor with grounded emitter and base. V. G. Pikulik, S. IA. Shats. Radiotekhnika 18 no. 11:57-61 N '63.

OSCILLATORS, TRANSISTOR

IAkovlev, V. N. [Transistor pulse generators] Impul'snye generatory na tranzistorakh. Kiev, Gostekhizdat Ukrainskoi SSR, 1963. 359 p.

Junction transistor R-C oscillator with a great number of phasing circuits. A. A. Os'minin, V. P. Chirkov. Izm. tekh. no. 11:46-48 N '63.

Temperature stability of the output voltage of transistor RC sine wave generators. V. I. Anisimov, A. P. Golubev. Izv. LETI no. 47 195-211 '62.

Transistor generator of pulse batches. E. L. Gloriozov. Priborostroenie no. 11:26-27 N '63.

Transistorized three-phase RC generator. E. S. Kolotygin, V. I. Mamontov. Izv. vys. ucheb. zav., elektromekh. 6 no. 9:1118-1122 '63.

OSCILLOGRAPH

Stroboscopic oscillograph with recording on an EPP-09M1 potentiometer. M. E. Glushkovskii. Prib. i tekh. eksp. 8 no. 5,114-118 S-O 63.

OSCILLOGRAPHY

Effect of slag composition on the pattern of a phase current oscillogram and the voltage of a steel smelting arc furnace. B. M. Nikitin, N. M. Chuiko. Izv. vys. ucheb. zav., chern. met. 6 no. 10:52-57 '63.

Evaluation of the arterial vascular tonus by the magnitude of the oscillographic index. V. A. Makarov. Klin. med. 40 no. 11:157 N '62.

Measuring the arterial pressure in dogs with the aid of an arterial oscillograph. V. D. Lindenbraten. Trudy Khab. med. inst. 23 no. 2:20 '62.

Method for more accurate time interval reading from the oscillograph screen. A. G. Golubkov. Prib. i tekh. eksp. 8 no. 5:118-119 S-O '63.

Oscillographic recording of the front of a high-voltage nanosecond pulse. G. A. Vorob'ev, A. I. Golynskii, G. S. Kotshunov. Prib. i tekh. eksp. 8 no. 5:216-217 S-O '63.

Study of vascular tonus and blood pressure in atherosis patients using the method of arterial oscillography. L. N. Chernousova. Eksp. issl. po fiziol., biokhim. i farm. no. 3:69-74 '61.

OSHANIN, LEV

Quests of a poet. Gagik Sarkisian. Znamia 33 no. 6: 219-220 Je '63.

OSIPOV, EVGRAF ALEKSEEVICH, 1841-1904

Life and activity of E. A. Osipov; from unpublished materials. V. A. Bazanov. Sov. zdrav. 22 no. 7:17-21 '63.

OSSETIA, NORTH—MOLLUSKS, FOSSIL

Stratigraphic significance and composition of mollusk fauna found in a section of the Malkop series of the TSraudon River (North Ossetia). V. D. Somov, I. A. Korobkov. Dokl. AN SSSR 152 no. 3 699-702 S '63.

OSTAPENKO, GALINA GENNADIEVNA, 1910-

...To go one's own way. I. Matetskaia. Znamia 31 no. 6:221 Je '63.

OSTEICHTHYES, FOSSIL

Class Osteichthyes. E. I. Vorob'eva, A. L. Matveeva. Trudy SNIIGGIMS no. 21:215-220 '62.

OSTEITIS FIBROSA

Fibrous bone dysplasia; data from a pediatric orthopedic and traumatologic clinic [with summary in English]. M. A. Berglezov. Vop. onk. 9 no. 7:63-71 '63.

OSTEOCHONDROSIS

Mechanisms of the therapeutic effect of novocaine treatment of the musculus scalenus anterior in cervical osteochondrosis. IA. IU. Popelianskii. Eksp. issl. po fiziol., biokhim. i farm. no. 3:125-131 '61.

OSTRACODA, FOSSIL

Subclass Ostracoda. M. I. Mandel'shtam, M. V. Reshetnikova. Trudy SNIIGGIMS no. 21:388-403 '62.

OSTROVSKII, ALEKSANDR NIKOLAEVICH, 1823-1886

Ostrovskii, A. N. [The thunderstorm; drama in five acts supplemented by N. A. Dobroliubov's article "Ray of light in the kingdom of darkness"] Groza; drama v piati deistviiakh s prilozheniem stat'i N. A. Dobroliubova "Luch sveta v temnom tsarstve." Moskva, Detgiz, 1963. 108 p. (Shkol'naia biblioteka)

OTORHINOLARYNGOLOGY

Clinical and morphological changes in the ear, nose and throat in reticulosis with a tumorlike growth. A. A. Kravchenko and others. Vop. klin. pat. no. 2:244-251 '61.

OUTER SPACE—EXPLORATION

Polarization of the radio emission from discrete sources, and the exploration of the metagalactic and galactic spaces and spaces near the sun [with summary in English]. V. L. Ginzburg, V. V. Pisareva. Izv. vys. ucheb. zav.; radiofiz. 6 no. 5:877-888 '63.

OVARIES

Higher olfactory centers and ovarian activity in rats. T. D. Dzidziguri, M. K. Kobakhidze. Probl. endok. i gorm. 9 no. 5:46-48 S-O '63.

OVARIES—CANCER

Unusual case of chorioepithelioma developing from ovarian pregnancy. D. A. Govorov. Akush. i gin. 39 no. 4:124-125 Jl-Ag '63.

OVARIES—DISEASES

Combination of a progressive extrauterine pregnancy with apoplexy of the ovary and appendicitis. P. F. Buzykin. Akush. i gin. 39 no. 1:124 Jl-Ag '63.

Experimental hormone therapy of ovarian follicular cysts in cats [with summary in English]. E. A. Ivd, D. S. Markaryan. Probl. endok. i gorm. 9 no. 5:55-59 S-O '63.

Surgical treatment of ovarian cysts in newborn infants. F. I. Dreier, E. A. Sustennikova. Pediatriia 41 no. 7:66-70 Jl '63.

OVARIES—RADIOGRAPHY

Gas pelvigraphy and its combination with hysterosalpingography [with summary in English]. M. Kh. Babaian, A. V. Maresnikova. Akush. i gin. 39 no. 4:6-9 Jl-Ag '63.

Hysterosalpingography during various phases of the menstrual cycle [with summary in English]. A. L. Kaplan, M. M. Abramova, M. V. Gudkova. Akush. i gin. 39 no. 4:3-6 Jl-Ag '63.

OVARIES—SURGERY

Adrenal coma following excision of an ovarian cyst. S. F. Bolilok. Akush. i gin. 39 no. 4:119-120 Jl-Ag '63.

OVARIES—TUMORS

Clinical aspects and pathological anatomy of the Brenner tumor. A. IA. Markov, D. M. Greditor. Akush. i gin. 39 no. 4:116-118 Jl-Ag '63.

Structure and variations of Brenner tumor [with summary in English]. I. A. Gandina. Arkh. pat. 25 no. 7:13-17 '63.

Timely delivery complicated by an ovarian tumor strangulated in the pelvis minor. M. G. Malinkina. Akush. i gin. 39 no. 4:126 Jl-Ag '63.

OVERVOLTAGE

Effect of mercury, arsenic and cyan ions on the properties of Pd electrode [with summary in English]. A. V. Shvalikina, L. I. Kulakova. Zhur. fiz. khim. 37 no. 9: 1966-1972 S '63.

Reduction potentials of metals on a mercury electrode. Part 2. Nature of overvoltage in the reduction of metals on a mercury electrode. V. P. Gladyshev. Izv. vys. uchеb. zav.; khim. i khim. tekh. 6 no. 5:762-767 '63

OVNATANIAN, KARO TOMASOVICH, 1902-

Karo Tomasovich Ovnatanian; on his 60th birthday. A. M. Glanchekin, N. K. Popov, F. M. Osipov. Vest. khir. 91 no. 7:145-146 Jl '63.

OWLET MOTHS

Structure and distinctive characters of the pupae of owlet moths of the genus Harmodia HBN (Lepidoptera, Noctuidae) [with summary in English]. E. I. Khot'ko. Zool. zhur. 42 no. 10:1494-1500 '63.

OXALACETIC ACID

Reductive amination of pyroracemic, oxalacetic and oxypyroracemic acids in plants. V. L. Kretovich, Z. S. Ermolovitskaia, T. I. Kalinkina. Dokl. AN SSSR 152 no. 5:1247-1249 O '63.

OXALIC ACID

Synthesis of high-molecular weight polyesters of oxalic acid. V. M. Savinov, L. B. Sokolov. Plast. massy no. 11:35-37 '63.

OXIDATION

Accelerating the initial stage of paraffin oxidation by potassium permanganate and active manganese dioxide. A. A. Perekhenko. Trudy NIISZHIMSa no. 3:49-55 '62.

Active centers of platinum adsorption catalysts in ammonia oxidation. V. I. Shokhobalova, N. I. Kobozev. Zhur. fiz. khim. 37 no. 9:2131-2132 S '63.

Changes in the composition of fatty acids occurring during paraffin oxidation. A. I. Il'ina. Trudy NIISZHIMSa no. 3:71-74 '62.

Chemiluminescence in slow chemical reactions. Part 3: Chemiluminescent method used for studying the kinetics of hydroperoxide accumulation in the reaction of catalyzed oxidation of ethylbenzene. I. V. Zakharov, V. IA. Shlapintokh. Kin. i kat. 4 no. 5:706-712 S-O '63.

Device for determining the acid numbers of the products of paraffin oxidation. IA. I. Chepelurov, IU. V. Ganin, I. F. Latyshev. Masl.-zhir. prom. 29 no. 10:37 O '63.

Economics of the oxidation of paraffins. B. A. Brunshtein, V. L. Klimenko. Khim. prom. no. 9:662-666 S '63.

Effect of the extent of oxidation on the yield and composition of alcohols during the oxidation of paraffins to acids. A. I. Il'ina. Trudy NIISZHIMSa no. 3:61-67 '62.

Effect of the extent of oxidation on the yield and composition of alcohols during the oxidation of the paraffin and unsaponifiables mixture. A. I. Il'ina. Trudy NIISZHIMSa no. 3:67-71 '62.

Effect of the products on the rate of isobutylene oxidation on a copper catalyst. L. P. Shapovalova, IA. B. Goroshovatskii, M. IA. Rubanik. Dokl. AN SSSR 152 no. 3: 640-643 S '63.

Electron paramagnetic resonance study of the oxidation of aminoalkyl phenyls by benzene peroxide. F. N. Mazitova and others. Dokl. AN SSSR 153 no. 2:354-356 N '63.

Entropy of the active complex in the oxidation of sulfur dioxide on a platinum catalyst. G. I. Golodets. Kin. i kat. 4 no. 5:776-779 S-O '63.

Liquid-phase oxidation of hydrocarbons on solid semiconducting catalysts. I. I. Ioffe, N. V. Klimova. Kin. i kat. 4 no. 5:778-782 S-O '63.

Oxidation of paraffin hydrocarbons in the presence of acid catalysts. B. N. Tiutiunikov, Z. I. Bukhshtab. Izv. vys. ucheb. zav., pishch. tekh. no. 5:58-63 '63.

Oxidation of uranium dioxide by air in the presence of added carbonates and oxides. V. G. Vlasov, A. F. Bessonov. Kin. i kat. 4 no. 5:868-871 S-O '63.

Production of catalysts for paraffin oxidation. V. I. Babaev, I. E. Rusinov, A. I. Kudriashov. Masl.-zhir. prom. 29 no. 11:37-40 N '63.

Radiation-induced oxidation of 1-heptene. V. V. Saraeva, TSzin' IUI-tai [Chin Yu-t'ai]. Kin. i kat. 4 no. 5 862-865 S-O '63.

Rate of the accumulation of acids and other oxygen-containing compounds during paraffin oxidation by air in the presence of potassium permanganate and manganese dioxide. A. A. Perchenko. Trudy NIISZHIMSa no 3: 56-60 '62.

Selecting the optimum conditions for the oxidation of paraffins in a foam state. N. M. Lebedeva and others. Khim. i tekh. topl. i masel 8 no. 11 15-20 N '63.

Use of 2-thiobarbituric and barbituric acids for the photometric control of autoxidation processes. N. S. Drozdov, V. P. Krylov. Zav. lab. 29 no. 11 1308-1309 '63.

OXIDATION, ELECTROLYTIC

Use of insoluble anodes of lead dioxide in the processes of electrochemical synthesis. N. G. Bakhchisaraitsian, E. A. Dzhafarov. Azerb. khim. zhur. no. 3 109-115 '62.

OXIDATION-REDUCTION REACTION

Changes in mitochondria and activity of the oxidation-reduction enzyme series during carcinogenesis and in tumors, histochemical research [with summary in English]. N. T. Raikhlin. Arkh. pat. 25 no. 7:24-32 '63.

Features of the group composition of phosphates in Chernozem soils in connection with temporary reduction processes in them. I. S. Kaurichev, E. P. Andratskaia. Dokl. TSKHA no. 47:247-252 '59.

Oxidation-reduction processes and respiratory function of the body in epidemic hepatitis. D. Sh. Enaleeva. Kaz. med. zhur. no. 5 34-37 S-O '63.

OXYGEN

Anodic evolution of oxygen on cadmium in concentrated alkali solutions. L. A. L'vova, A. V. Fortunatov. Zhur. fiz. khim. 37 no. 9:2118-2121 S '63.

Anodic evolution of oxygen on cadmium in concentrated alkali solutions. L. A. L'vova. Zhur. fiz. khim. 37 no. 9:2114-2117 S '63.

Direct determination of oxygen in organic compounds by the method of microanalysis. IU. A. Mandrykina. Trudy VNIGRI no. 212, Geokhim. sbor. no. 8:230-233 '63.

Effect of atmospheric pressure on the half-width of oxygen lines in the 1.27μ band [with summary in English]. N. I. Kozhevnikov, E. A. Makarova, G. F. Sitnik. Astron. zhur. 40 no. 6:1095-1100 N-D '63.

Geinrikhs, G. K. [Ship and coastal oxygen plants] Sudovye i beregovye kislorodnye ustanovki. Leningrad, Sudpromgiz, 1963. 341 p.

OXYGEN—ANALYSIS

On the direct determination of oxygen in organic compounds [with summary in English]. A. I. Lebedeva, N. A. Nikolaeva. Zhur. anal. khim. 18 no. 8:984-988 Ag '63.

OXYGEN—INDUSTRIAL APPLICATIONS

Increasing the output of open-hearth furnaces. G. L. Gurskii, K. M. Trubetskov. Metallurg 8 no. 11:13-17 N '63.

OXYGEN—PHYSIOLOGICAL EFFECT

After effect of O_2 and H_2O_2 on the fodder yeast Candida Kp-9. D. L. Shamis, L. E. Denisenko, N. S. Gelikonova. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:40-43 '63.

Change in the working capacity of people inhaling oxygen-enriched air. TS. D. Stanislavskaia. Trudy Vor. med. inst. 47:90-91 '62.

OXYGEN—SPECTRA

Determination of the electron transition moments of the Schumann-Runge bands of the oxygen molecule. Part 3. N. I. Krindach, N. N. Sobolev, L. N. Tunitskii. Opt. i spektr. 15 no. 5:601-608 N '63.

OXYGEN—THERMAL PROPERTIES

Gas analyzers for oxygen determination based on its varying heat conductivity in a magnetic field. L. L. Gorelik. Zhur. tekh. fiz. 33 no. 12 1459-1461 D '63.

OXYGEN THERAPY

Analysis of an oxyhemogram in the inhalation of oxygen. V. V. Melnikov. Trudy Khab. med. inst. 23 no. 2 61-63 '62.

Oxygen therapy in ascariasis late at night [with summary in English]. I. V. Vladychin, N. P. Kraveta. Med. paraz. i paraz bol. 32 no. 5 624 S-O '63.

Oxygen therapy of circulatory insufficiency [with summary in English]. M. V. Kropel'nitskaia. Vrach. delo no. 11: 34-37 N '63.

The status of external respiration in acute myocardial infarct [with summary in English]. S. I. Sidorovich. Terap. arkh. 35 no. 5 34-39 My '63.

OXYGEN WELDING AND CUTTING see Gas welding and cutting

OZONE

Use of a helicopter in measuring the total ozone content. G. P. Gushchin. Trudy GGO no. 140.102-104 '63.

OZONE—ANALYSIS

Automatic analysis of ozone [with summary in English]. IU. N. Zhitnev. Zhur. fiz. khim. 37 no. 9:2136-2137 S '63.

PACHYCARPINE—TOXICOLOGY

Resuscitation after pachycarpine poisoning. IU. IA. Rabinovich, IU. V. Shapiro. Klin. med. 41 no. 7:140-143 Jl '63.

PACIFIC OCEAN—DEEP-SEA DEPOSITS

Quaternary deep-sea deposits in the northwestern part of the Pacific Ocean and their significance for paleogeography. E. A. Romankevich. Izv. AN SSSR. Ser. geog. no. 6.35-49 N-D '63.

PACIFIC OCEAN—OCEANOGRAPHY

Muromtsev, A. M. [Atlas of the temperature, salinity and density of water in the Pacific Ocean] Atlas temperatury, solenosti i plotnosti vody Tikhogo okeana. Otv. red. IU. V. Makerov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 120 p. [Preface in Russian and English]

PACIFIC OCEAN—STEAMBOAT LINES

Steamship line across the Pacific Ocean. V. Kachaev. Mor. flot 23 no. 11 17-18 N '63.

PACKAGING see subdivision under Armenia

PACKING (MECHANICAL ENGINEERING)

Manufacturing sealing elements. A. Malov. Tekh. v sel'khoz. 23 no. 10.82-83 O '63.

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Devices grids for raschig ring packings with 25, 50, and 80 mm. diameters, design and specifications] Apparaty reshetki pod nasadki izkolets Rashiga diametrami 25, 50 i 80 mm, konstruktsiia i ispolnitel'nye razmery (MN 4095-62—MN 4117-62). Moskva, Standartgiz, 1963. 81 p. (SSSR. Normali mashinostroeniia)

PACKING FOR SHIPMENT

New kinds of containers made of worn tire castings for the packing of chemicals. A. B. Dereviches, I. P. Pishchulin. Khim. prom. no. 8.626-628 Ag '63.

PADALKA, BORIS IAKOVLEVICH, 1883-

Boris IAkovlevich Padalka. Vrach. delo no. 11:156 N '63.

PAGEGSKIY DISTRICT—AGRICULTURAL EXPERIMENT STATIONS

Introduce progressive practice to collective and state farms. G. Bundorfas. Ekon. sel'khoz. 32 no. 7:72-78 Jl '61.

PAIN

Morphological analysis of changes in the neurosecretory elements of the neurohypophysis of white rats during pain stimulation and under the effect of aminazine [with summary in English]. A. L. Polenov, L. IA. Balonov. Probl. endok. i gorm. 9 no. 5:40-46 S-O '63.

Pain and its significance in injuries. D. A. Novozhilov. Ortop., travm. i protez. 24 no. 6:3-11 Je '63.

PAINT

New method of manufacturing oil paints for art purposes. M. M. Deviatov. Soob. VTSNIL KR no. 7:6-19 '63.

PAINT INDUSTRY
(see also subdivision under Ukraine)

Portable mortar mixer installations and painting stations. P. F. Blinov. Transp. stroi. 13 no. 9:34-37 S '63.

PAINT SHOPS—EQUIPMENT AND SUPPLIES

Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Technical equipment of paint shops] Tekhnologicheskoe oborudovanie okrasochnykh tsekhov (RTM 55-62). Moskva, Standartgiz, 1963. 112 p.

PAINTERS, ARGENTINE

Visiting with Argentine painters. Martyn Merzhanov. Ogonek 41 no. 43:27 O '63.

PAINTING

Limits of painting and graphic arts. V. Malctin. Vop. est. no. 5, 28-42 '62.

PAINTING, INDUSTRIAL see subdivision under Czechoslovakia; Moscow Province

PAINTING, INDUSTRIAL—EQUIPMENT AND SUPPLIES

Unit for painting articles. Mashinostroenie no. 6:119-120 N-D '63.

PAINTINGS

Ioganson, B. V., ed. [Masterpieces of world painting in museums of the U.S.S.R., the 1st to the 19th century] Shedevry mirovoi zhivopisi v muzeiakh SSSR, I-XIX veka. Moskva, Gos. izd-vo izobraz. iskus., 1963. [11] p. plates.

[Masters of world painting in Rumanian museums] Mastera mirovoi zhivopisi v muzeiakh Rumynii. Predisl. Dzh. Opresku. Izd-2., peresm. Bucharest, Meridiane, 1963. [6] p. illus., plates.

PAINTINGS—CONSERVATION AND RESTORATION

Preventive gluing up. A. V. Vinner, B. M. Shakhov. Soob. VTSNILKR no. 7:20-24 '63.

Survey of methods of restoring Fayum portraits. A. V. Vinner. Soob. VTSNILKR no. 7, 46-65 '63.

PAINTINGS, RUSSIAN

Wonderful power of beauty. O. Malashenko. Nauka i zhyttia 13 no. 10:52-53 N '63.

PAINTINGS, WELSH

A visit to the Cardiff artists. M. Strizhenova. Nov. vrem. 21 no. 47:25-27 N '63.

PAINTINGS, WHITE RUSSIAN

[Artists of Soviet White Russia; selected works; (an album of reproductions)] Khudozhniki Sovetskoi Belorussii; izbrannye proizvedeniia; [al'bom reproduktsii. Vstup. stat'ia P. Nikiforova. Moskva, Sovetskii khudozhnik, 1962. 8] p. illus. 30 plates. (MH)

PAKISTAN—MOHAMMEDANISM

Gordon-Polonskaia, L. R. [Moslem trends in the sociopolitical thought of India and Pakistan; criticism of "Moslem nationalism"] Musul'manskie techeniia v obshchestvennoi mysli Indii i Pakistana; kritika "Musul'manskogo natsionalizma." Moskva, Izd-vo vostochnoi lit-ry, 1963. 324 p.

PAKISTAN—NATIONALISM

Gordon-Polonskaia, L. R. [Moslem trends in the sociopolitical thought of India and Pakistan, criticism of "Moslem nationalism"] Musul'manskie techeniia v obshchestvennoi mysli Indii i Pakistana; kritika "Musul'manskogo natsionalizma." Moskva, Izd-vo vostochnoi lit-ry, 1963. 324 p.

PALEOBIOLOGY

Velogdin, A. G. [Earth and life; evolution of environment and life on earth] Zemlia i zhizn'; evoliutsiia sredy i zhizni na Zemle. Moskva, Izd-vo Akad. nauk SSSR, 1963. 172 p. (Nauchno-popullarnaia serlia)

PALEOBOTANY
(see also subdivision under Kolyma Valley)

Plantae. A. R. Anan'ev and others. Trudy SNIIGGIMS no. 21:220-247 '62.

khina and others. Trudy SNIIGGIMS

PALEOGEOGRAPHY—MAPS see subdivision under Yakutia

PALEOGRAPHY see subdivision under Ukraine

PALEONTOLOGY

Plates of specimens and related data. Trudy SNIIGGIMS no. 21 261-368 '62.

Plates of specimens and related data. Trudy SNIIGGIMS no. 21, 493-539 '62.

PALEONTOLOGY, STRATIGRAPHIC see subdivision under Altai Mountains; Dnieper-Donets Lowland; Donets Basin; Sayan Mountains; Taymyr Peninsula; Verkhoyansk Range

PAL'GOV, NIKOLAI NIKITICH, 1888-

Nikolai Nikitich Pal'gov, on his 75th birthday. E. N. Vilesov, E. V. Maksimov. Izv. Vses. geog. ob-va 95 no. 5 463-465 S-O '63.

PALLADIUM

Activation of the process of hydrogen absorption by palladium. V. V. Sof'ina. Prib. i tekh. eksp. 8 no. 4, 171-175 Jl-Ag '63.

PALLADIUM—ANALYSIS

Use of 1-mercaptopropionic acid derivatives in analytical chemistry. Report No. 2. Photometric determination of palladium with p-phenetidide-1-mercaptopropionic acid (with summary in English). A. I. Busev, A. Nacu Zhur. anal. khim. 18 no. 10:1233-1238 O '63.

PALYNOLOGY
(see also subdivision under Alaverdi region, Armenia; Altai Mountains; Apsheron Peninsula; Mediterranean Sea; Sayan Mountains)

Mchedlishvili, N. D. [Flora and vegetation in the Cimmerian stage based on data from palynological analysis] Flora i rastitel'nost' kimmeriiskogo veka po dannym palinologicheskogo analiza. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1963. 196 p. [With summary in English]

Spore-pollen complexes. L. L. Dringina. Trudy SNIIGGIMS no. 21:479-492 '62.

PAMIRS—FAULTS (GEOLOGY)

Shift zone in the eastern Pamirs. S. V. Ruzhentsev, V. A. Shvol'man. Izv. AN SSSR, Ser. geol. 28 no. 7:80-83 Jl '63.

PAMIRS—HISTORY

Iskandarov, B. I. [Eastern Bukhara and the Pamirs in the second half of the 19th century] Vostochnaia Bukhara i Pamir vo vtoroi polovine XIX v. Dushanbe. Pt. 2. 1963. 350 p. (Akademiia nauk Tadzhikskoi SSR. Institut istorii. Trudy, vol. 30)

PANCREAS

Effect of starvation on the histostructure and function of the islands of Langerhans (with summary in English) A. L. Rabkina. Probl. endok. i gorm. 9 no. 5, 12-17 S-O '63.

PANCREAS—CANCER

Cancer of the pancreas according to data from MONIKI surgical clinics. V. I. Shuvaeva. Vop. klin. pat. no. 2, 103-107 '61.

Pancreatoduodenal resection in cancer of the head of the pancreas. V. M. Velichenko. Zdrav. Bel. 9 no. 3 69 Mr '63.

Pancreatoduodenectomy in cancer of Vater's ampulla and the head of the pancreas. E. IA. Kenigsberg. Zdrav Bel. 9 no. 3, 65-67 Mr '63.

PANCREAS—DISEASES

Interaction of the thyroid gland and pancreas. M. L. Aviosov and others. Klin. med. 41 no. 7:137-138 Jl '63.

PANCREAS—RADIOGRAPHY

Methodology of x-ray examination of the hepato-pancreatoduodenal zone using a blocking duodenal sound (with summary in English). B. G. Shusterov. Vest. rent. i rad. 38 no. 5:50-54 S-O '63.

PANCREAS—SECRETIONS

Effect of diet and some drugs on the secretion of pancreatic juice from a pancreatic fistula. V. V. Vashchuk. Klin. med. 41 no. 7:67-68 Jl '63.

PANCREAS—SURGERY

Pancreatoduodenal resection in cancer of the head of the pancreas. V. M. Velichenko. Zdrav. Bel. 9 no. 3, 69 Mr '63.

PANCREATIN

Proteolytic enzyme treatment of children with chronic pneumonia. M. G. Chukhlovina. Pediatriia 41 no. 7: 26-31 Jl '63.

PANGAMIC ACID

Vitamin B-15 (pangamic acid) and its clinical use. V. E. Anisimov. Kaz. med. zhur. no. 5:93-96 S-O '63.

PANJABI LITERATURE—HISTORY AND CRITICISM

Sel'ebriakov, I. D. [Panjabi literature, a brief study] Pendzhabskaia literatura; kratkii ocherk. Moskva, Izd-vo vostochnoi lit-ry, 1963. 191 p. (Literatura Vostoka)

PANORAMAS

A restored panorama. Mykola Stor. Ukraina no. 16 10 Ag '62

PANOVA, VERA FEDOROVNA, 1905-

Creative aspect of an authoress. A. Strel'tsov. Vop. lit. 7 no. 10 211-216 O '63.

PAP DISTRICT—COTTON GROWING

Your honor, cotton grower! M. Tashmatov. Part. zhizn' [Uzb.] 6 no. 10 15-24 O '63.

PAP DISTRICT—COTTON PICKING

With the youthful enthusiasm of a komsomol. M. Islamov. Part. zhizn' [Uzb.] 6 no. 10, 32-34 O '63.

PAPANDREOU, GEORGIOS ANDREOU, 1888-

Georgios Andreou Papandreou; Sofoklis Venizelos. Nov. vrem. 21 no. 47:31 N '63.

PAPER—TESTING

Effect of the sodium salt of carboxymethylcellulose on the grinding of the pulp and paper properties N. A. Afonchikov, E. A. Terent'ev. Bum. prom. 38 no. 11:8-10 N '63.

PAPER CHROMATOGRAPHY

Analysis by means of ... paper. M. Danchevskaia, IUn. tekh. 8 no. 11:65 N '63.

Paper chromatography of fat aldehydes. A. I. Trippel'. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:155-157 '63.

Quantitative determination of polyatomic alcohols by the chromatogram elution method (with summary in English on p. 166). V. N. Balakhontseva, R. M. Poltinina. Sbor. trud. NIIGS 11:73-76 '63.

Urinary excretion of tetrahydroxy derivatives of corticosteroids in healthy persons based on paper chromatography data (with summary in English). IA. M Miloslavskii, N. A. Ardamatskii. Probl. endok i gorm. 9 no. 5, 62-66 S-O '63.

PAPER ELECTROPHORESIS

Electrophoretic investigation of the proteins in animal milk (with summaries in English, German, and French). Z. Kh. Dilanian, A. A. Agababian. Vest. sel'khoz. nauki 8 no. 6:133-137 Je '63.

PAPER INDUSTRY

Condition and development of the woodpulp-paper industry. A. Zheludkov. Vop. ekon. no. 10:139-144 O '63.

From foreign journals. Bum prom. 38 no. 11:31-32 N '63.

Mineral fillers in paper production and their industrial specifications. S. N. Ivanov. Trudy IGEM no. 95:93-103 '63.

PAPER INDUSTRY—BY-PRODUCTS

The purity of water reservoirs depends on us. Bum. prom. 38 no. 11:1-2 N '63.

PAPER INDUSTRY—LABOR PRODUCTIVITY

Ways of increasing labor productivity in newly built enterprises. V. S. Solomko. Bum. prom. 38 no. 11:3-4 N '63.

PAPER INDUSTRY—QUALITY CONTROL

Main sources for an improvement of the quality of production. Bum. prom. 38 no. 11, 2-4 of insert N '63.

PAPERBOARD—DRYING

Six-cylinder contact dryer for thin sheet cardboard. N. V. Kerbitskii. Bum. prom. 38 no. 11 26-27 N '63

PAPERMAKING MACHINERY
(see also subdivision under Austria; France)

Book on papermaking and finishing machinery. S. Zhidro. Bum. prom. 38 no. 11:30 N '63.

New design of heat regenerator systems. D. N. Vasil'ev. Bum. prom. 38 no. 11:28 N '63.

Stock tanks with new circulation systems. A. B. Sumriakov. Bum. prom. 38 no. 11:11-13 N '63.

Thickening of paper stock and retrieval of fibers on inclined screens. A. L. Avdeev. Bum. prom. 38 no. 11-24 N '63.

PAPERMAKING MACHINERY—ELECTRIC DRIVING

Graphic method for determining the power indices of drives operated on direct current. A. F. Strzhizhovskii Bum. prom. 38 no. 11:19-20 N '63.

Need for an improvement of the design of adjustable pulleys. Kh. Sh. Motylev. Bum. prom. 38 no. 11:27 N '63.

PARAFFINS

Accelerating the initial stage of paraffin oxidation by potassium permanganate and active manganese dioxide. A. A. Perchenko. Trudy NIISZHIMSa no. 3:49-55 '62.

PARAFFINS (Continued)

Changes in the composition of fatty acids occurring during paraffin oxidation. A. I. Il'ina. Trudy NIISZHIMSa no 3:71-74 '62.

Device for determining the acid numbers of the products of paraffin oxidation. IA. I. Chepchurov, IU. V. Ganin, L. F. Latyshov. Masl.-zhir. prom. 29 no. 10:37 O '63.

Economics of the oxidation of paraffins. B. A. Brunshtein, V. L. Klimenko. Khim. prom. no. 9:662-665 S '63.

Effect of the extent of oxidation on the yield and composition of alcohols during the oxidation of paraffins to acids. A. I. Il'ina. Trudy NIISZHIMSa no. 3:61-67 '62.

Effect of the extent of oxidation on the yield and composition of alcohols during the oxidation of the paraffin and unsaponifiables mixture. A. I. Il'ina. Trudy NIISZHIMSa no. 3:67-71 '62.

Empirical equations for the process of pyrolysis of ethane-propane hydrocarbons. K. A. Oganov, G. I. Tarasevich. Khim. prom. no. 8:586-587 Ag '63.

Graphic analysis of the pvt-relations of certain liquid alkanes of normal structure. N. K. Kadyrov, A. D. Ushakova, A. El. Gabibov. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 4:65-97 '63.

Oxidation of paraffin hydrocarbons in the presence of acid catalysts. B. N. Tikhonikov, Z. I. Bukhshtab. Izv. vys. uchab. zav.; pishch. tekh. no. 5:59-63 '63.

Production of catalysts for paraffin oxidation. V. I. Babaev, I. E. Rustamov, A. I. Kudriashov. Masl.-zhir. prom. 29 no. 11:37-40 N '63.

Rate of the accumulation of acids and other oxygen-containing compounds during paraffin oxidation by air in the presence of potassium permanganate and manganese dioxide. A. A. Perchenko. Trudy NIISZHIMSa no. 3:55-59 '62.

Selecting the optimum conditions for the oxidation of paraffins in a foam state. N. M. Lobedeva and others. Khim. i tekh. topl. i masel 8 no. 11:15-20 N '63.

Solubilization capacity of the aqueous solutions of alkyl sulfates from the alcohols of the direct oxidation of paraffins. M. P. Bespiatov, Zh. IA. Leshchenko. Trudy NIISZHIMSa no. 3:30-33 '62.

Temperature dependence of the viscosity of n-alkanes [with summary in English]. M. Kh. Karapet'iants, YAn'Go-sen' [Yen Kuo-shên]. Zhur. fiz. khim. 37 no. 9:2041-2047 S '63.

PARAFFINS—MOLECULAR ROTATION

On some schemes for calculating the energy differences of rotational isomers [with summary in English]. IU. A. Pentin. Zhur. fiz. khim. 37 no. 9:2106-2113 S '63.

PARAFFINS—SPECTRA

Raman spectra of normal paraffinic hydrocarbons C_{11} - C_{17} and their spin-lattice relaxation time. B. Le and others. Khim. i tekh. topl. i masel 8 no. 11:22-24 N '63.

PARAGONIMIASIS

Review of L. S. Rozenshtraukh and N. I. Rybakov's book "Clinical X-ray diagnosis of paragonimiasis." V. IA. Fridkin. Vest. rent. i rad. 38 no. 5:74-75 S-O '63.

PARALLAX—SUN

The constant of aberration and solar parallax [with summary in English]. A. A. Mikhailov. Astron. zhur. 40 no. 6:961-964 N-D '63.

PARALYSIS

Capillaroscopy in athetosis with spastic paralysis. L. N. Chernousova. Eksp. issl. po fiziol., biokhim. i farm. no. 3:75-78 '61.

Psychopathology of progressive paralysis. T. G. Abramishvili. Eksp. issl. po psikhol. ust. 2:287-314 '63.

State of the fundus oculi in spastic paralysis and athetosis. M. V. Zaikova. Eksp. issl. po fiziol., biokhim. i farm. no. 3:79-83 '61.

Thermal asymmetry in spastic hemiparesis with athetosis. N. G. Krol'. Eksp. issl. po fiziol., biokhim. i farm. no. 3 81-87 '61.

PARALYSIS, FACIAL

Plezomyography in peripheral histrionic paralysis [with summary in English]. M. A. Vasilchenko. Vrach. delo no. 11:97-100 N '63.

Surgical restriction of the function of the mimetic muscles in the intact half of the face in lesions of the facial nerve [with summary in English]. A. T. Titova. Vest. khir. 90 no. 6:60-66 Je '63.

PARALYSIS AGITANS

Clinical aspects and therapy of paralysis agitans and arteriosclerotic parkinsonism. V. V. Kents. Zdrav. Bel. 9 no. 3:70-74 Mr '63.

PARAMAGNETIC RESONANCE AND RELAXATION

Concentration effect in the absorption spectra and electron paramagnetic resonance of adsorbed molecular ions of anthracene. V. A. Barachevskii, V. E. Kholmogorov, A. N. Terenin. Dokl. AN SSSR 152 no. 5:1143-1146 O '63.

Electron paramagnetic resonance in ceramics based on Al_2O_3. A. A. Vashman. Zav. lab. 29 no. 11:1315-1317 '63.

Electron paramagnetic resonance in substituted diphenylpicrylhydrazyls. B. M. Kozyrev and others. Opt. i spektr. 15 no. 5:625-635 N '63.

Electron paramagnetic resonance study of the oxidation of aminoalkyl phenyls by benzene peroxide. F. N. Mazitova and others. Dokl. AN SSSR 153 no. 2 354-356 N '63.

Forbidden nuclear paramagnetic resonance in ferromagnetic substances. L. L. Buishvili. Fiz. tver. tela 5 no. 11:3291-3293 N '63.

Paramagnetic relaxation in concentrated aqueous solutions of $(VO)^{2+}$. G. P. Vishnevskaia, B. M. Kozyrev, P. G. Tishkov. Dokl. AN SSSR 152 no. 3:644-646 S '63.

Quadrupole energy levels for certain spins [with summary in English]. V. S. Grechishkin, N. E. Ainbinder. Izv. vys. ucheb. zav., radiofiz. 6 no. 4:729-737 '63.

Quantum theory of transients in paramagnetic resonance (effective spin 1, equidistant spectrum). A. R. Kessel'. Fiz. tver. tela 5 no. 11:3120-3129 N '63.

Shape of lines in paramagnetic resonance spectra of F-centers in alkali halide crystals. M. I. Volodicheva, E. D. Trifonov. Fiz. tver. tela 5 no. 11:3333-3334 N '63.

Spectrometer for studying electron paramagnetic resonance in solids at low temperatures. A. A. Bugai, M. A. Ruban. Zav. lab. 29 no. 11:1376-1379 '63.

Spectroscope for observing paramagnetic resonance at a temperature below 1°K. V. B. Fedorov. Prib. i tekh. eksp. 8 no. 4:98-103 Jl-Ag '63.

PARAMAGNETISM

Solvation of paramagnetic ions in alcohol aqueous solutions studied by means of nuclear magnetic resonance of high resolution. IU. A. Shamonin, S. A. IAn. Dokl. AN SSSR 152 no. 3:677-679 S '63.

PARAMECIUM

Mating types of the clones of Paramecium caudatum (Ehrb) from the waters of some regions of the Soviet Union [with summary in English]. D. V. Osipov. Vest. LGU 18 no. 21:106-116 '63.

PARAMETRIC AMPLIFIERS

Formation of nonstationary noise in a parametric amplifier and properties of its envelope and phase. IU. E. D'iakov. Radiotekh. i elektron. 8 no. 12:2034-2042 D '63.

"Improvement" of abbreviated equations describing a parametric amplifier. IU. E. D'iakov. Radiotekh. i elektron. 8 no. 12:2086-2088 D '63.

PARAPLEGIA

Method of examining and treating patients with paralytic scoliosis in conjunction with paralysis of the legs. E. D. Ivanenkova, L. G. Kapichnikova. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:79-83 '59.

PARASITES—EARTHWORMS see subdivision under Pazardzhik region

PARASITES—FISHES see subdivision under Konchozero, Lake

PARASITES—GERBILS

Epizootiological role of the fleas of greater gerbils. Report No4. Xenophylla skrjabini Ioff 1928. V. A. Bibikova, V. I. Medvedevskikh, S. S. Dankov. Med. paraz. i paraz. bol. 32 no. 5:622 S-O '63.

PARASITES—MOLLUSKS see subdivision under Kandalaksha Bay

PARASITES—SHEEP

Epizootiology, pathogenesis, and chemical prevention of strongyloidiasis of sheep. K. M. Eliseev. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:56-59 S '63.

PARASITOLOGY

(see also subdivision under Guinea)

Scientific Sessions of the Leningrad Parasitological Society in 1962. Med. paraz. i paraz. bol. 32 no. 5: 634-635 S-O '63.

PARASITOLOGY—BIBLIOGRAPHY see Bibliography—Parasitology

PARASYMPATHOLYTIC AGENTS

Combined action of various ganglionic blocking preparations in establishing a cholinergic block in anesthesia. N. A. Dol'nikov. Khirurgiia 39 no. 7:43-49 Jl '63.

Effect of gangleron and arpenal on the activity of cholinesterase in the individual cellular formations of the cutaneous-motor analyzer and hypothalamus in rabbits. M. G. Amadian. Izv. AN Arm. SSR, Biol. nauki 16 no. 10:13-22 O '63.

PARENT AND CHILD

Grow up free and unhindered! Ikeko Hatano. Zhen'mirà no. 12:16-17 '61.

PARENTERAL THERAPY

Amino acid composition and biological effectiveness of some preparations for parenteral nitrogen alimentation. N. Grom and others. Izv. AN Latv. SSR no. 9:91-94 '63.

Possibility of using fat for parenteral nutrition in surgical diseases, review of Soviet and foreign literature. I. G. Andrianova. Vest. khir. 90 no. 6 133-141 Je '63.

PARIN, VASILII VASIL'EVICH, 1903-

Always on the way to new discoveries, on the 60th birthday of V. V. Parin, Active Member of the Academy of Medical Sciences of the U. S. S. R. A. A Potemkina Med. sestra 22 no 11 62-64 N '63

PARIS—ART—EXHIBITIONS

Paris and "Parisian biennale." L. Stepanov. Ogonek 41 no. 50:19-21 D '63.

PARIS—DESCRIPTION

Arrival and departure on the same day, a travel sketch (conclusion). Aleksandr Krivitskii and others. Znamia 33 no. 11 147-165 N '63.

Paris and "Parisian biennale." L. Stepanov. Ogonek 41 no. 50 19-21 D '63.

PARKS

Dubiago, T. B. [Standard Russian orchards and parks] Russkie reguliarnye sady i parki. Leningrad. Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1963. 340 p.

PAROLE

Dismissal of persons who were released on parole or placed in the custody of workers. N. Gudimov, G. Kushnirov. Sots. zakon. 40 no. 9 53-54 S '63.

Preterm discharge of convicted delinquents. S. Ulitskii. Sots. zakon. 40 no. 10:50-52 O '63.

Savvin, N. F., and M. A. Efimov. [Suspended sentences and release on parole] Uslovnoe osuzhdenie i uslovno-dosrochnoe osvobozhdenie ot nakazaniia. Moskva, Gosiurizdat, 1963. 31 p. (Bibliotechka slushatelia narodnogo universiteta pravovykh znanii)

PAROTID GLANDS

Histochemical characteristics of the secretion of the parotid gland in cats. V. I. Shkurko. Dokl. AN SSSR 152 no. 3 730-732 S '63.

PAROTIN

Effect of intramuscular injection of parotin on the growth and regeneration of the incisors of white rats. M. S. Bubiakina. Teor. i prak. stom. no. 5:95-99 '61.

PARTIAL DIFFERENTIAL EQUATIONS see Differential equations, Partial

PARTICLE ACCELERATORS

Design methods for magnetic systems of constant-field circular accelerators. V. N. Kanunnikov. Izv. vys. ucheb. zav., fiz. no. 5:118-123 '63.

Multichannel coincidence and anticoincidence system. V. G. Varlamov and others. Prib. i tekh. eksp. 8 no. 4 63-66 Jl-Ag '63.

Parameters of a buncher for a linear traveling wave electronic accelerator following a prescribed bunching law. G. I. Zhileiko. Zhur. tekh. fiz. 33 no 12:1449-1455 D '63.

PARTICLE TRACK PHOTOGRAPHY see Photography, Particle track

PARTICLES (NUCLEAR PHYSICS)

Classification of elementary particles. Part 1. D. D. Ivanenko, D. F Kurdgelaidze Izv vys. ucheb zav., fiz. no 3:153-165 '63

Fourth All-Union Conference on the Theory of Elementary Particles. IU. M. Lomsadze, I. IU. Kriveskii, I. V. Khimich. Izv. vys. ucheb. zav.; fiz. no. 3 190-191 '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po ispol'zovaniiu atomnoi energii. [Physics of elementary particles] Voprosy fiziki elementarnykh chastits. Pod obshchei red. A. I. Alikhanlana. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1963. 594 p.

PARTICLES (NUCLEAR PHYSICS)—DIPOLE MOMENTS

Passage through matter of particles with dipole moments [with summary in English]. S. V. Peletminskii. Izv. vys. ucheb. zav.; radiofiz. 6 no. 5:910-917 '63.

PARTITION

Judicial practice in the partition of collective farmers' farmsteads and the apportionment of their parts to withdrawing members. E. Kovalenko. Sov. iust. no. 20: 13-14 O '63.

PASSIVATION

Corrosion processes on metals undergoing passivation investigated by superposing anodic polarization. M. B. Cherkez, V. P. Ordin. Zav. lab. 29 no. 11:1341-1343 '63.

Effect of the alternating current frequency on the passivation of titanium. N. D. Tomashov, N. M. Strukov. Dokl. AN SSSR 152 no. 5 1177-1180 O '63.

PASTURE RESEARCH see subdivision under Oka Valley

PASTURES AND MEADOWS see subdivision under Alma-Ata Province; Bet-Pak-Dala; Saryarka; Ukraine

PATENT LAWS AND LEGISLATION
(see also subdivision under United States)

Lawsuits for the protection of exclusive rights to efficiency suggestions. M. Asinovskii. Sov. iust. no. 20: 9-10 O '63.

PATENT LICENSES

How to draw up an invention claim. G. Burnazian. Prom. Arm. 6 no. 9:78-79 S '63.

PATENTS

Annotation of patent handbooks by subject matters. IA. M. Gurevich. Khim. prom. no. 8:628 Ag '63.

Information services with foreign patents. V. P. Gusarov. Opyt rab. po tekh. inform. i prop. no. 3 35-36 '63.

Publication of patents. Zav. lab. 29 no. 11:1404 '63.

PATHOGENIC BACTERIA see Bacteria, Pathogenic

PATHOLOGICAL ANATOMY see Anatomy, Pathological

PATHOLOGICAL PHYSIOLOGY see Physiology, Pathological

PATHOLOGICAL PSYCHOLOGY see Psychology, Pathological

PATHOLOGY

Role of the acetylcholine and cholinesterase system in pathology. Kh. S. Khamitov, S. I. Shcherbatenko. Kaz. med. zhur. no. 5:89-93 S-O '63.

PATHOLOGY—ABSTRACTS

[General problems of pathology. Oncology] Ref. zhur.: Ob. vop. pat. Onk. no. 22 N '63.

PATON, EVGENII OSKAROVICH, 1870-1953

Chekanov, A. A. Evgenii Oskarovich Paton, 1870-1953. Moskva, Izd-vo Akad. nauk SSSR, 1963. 180 p. (Nauchno-biograficheskaia serila)

PATRIOTISM

Zubekhin, P. T. [What does it mean to be a Soviet patriot] Chto znachit byt' sovetskim patriotom. [Leningrad] Lenizdat, 1962. 69 p. (Besedy o moral'nom kodekse)

PATRON AND CLIENT

Some interesting legal documents of the 17th century. V. G. Geiman. Ist. arkh. 8 no. 3:185-192 My-Je '62.

PAUKOV, VIKTOR VASIL'EVICH

Candidate's card No. 7172920. P. Vasil'ev. Sov. voin 45 no. 12:32 Je '63.

PAVEMENTS, BITUMINOUS

Mikhailov, V. V. [Construction of bituminous pavements] Stroitel'stvo dorozhnykh pokrytii s primeneniem bitumov. Pod red. N. N. Ivanova. [Moskva] Rosvuzizdat, 1963. 42 p.

PAVEMENTS, CONCRETE

Ivanov-Diatlov, I. G., ed. [Using claydite concrete in road and bridge construction] Primenenie keramzitobetona v dorozhno-mostovom stroitel'stve. [By] I. G. Ivanov-Diatlov i dr. Moskva, Avtotransizdat, 1963. 271 p.

Ladygin, B. I. [Fundamentals of the strength and durability of road concretes] Osnovy prochnosti i dolgovechnosti dorozhnykh betonov. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 126 p.

PAVLODAR—ALUMINUM PLANTS—DESIGN AND CONSTRUCTION

Important construction projects, but the building progress is good for nothing. IU. Krygin, A. Safonov, N. Seleznev. Nar. khoz. Kazakh. 21 no. 9:13-15 S '63.

PAVLODAR DISTRICT—STORES, RETAIL

In accord with the new. G. Shcherbakova. Koop. Kazakh. 6 no. 7:34-35 O '63.

PAVLODAR PROVINCE—SOLONETZ SOILS

Solonetz soils in the Pavlodar area of the Irtysh Valley. A. A. Sokolov, K. Sh. Faizov. Trudy Inst. pochv. AN Kazakh. SSR 16:66-125 '63.

PAVLOVSKAYA DISTRICT—COLLECTIVE FARMS

The principal duty. I. Stepanov. Part. zhizn' no. 23: 63-66 D '63.

PAVLYK, MYKHAILO IVANOVYCH, 1863-1915—BIBLIOGRAPHY see Bibliography—Pavlyk, Mykhailo Ivanovych, 1863-1915

PAYARYKSKIY DISTRICT—JOURNALISM, AGRICULTURAL

Silence is also a suppression of criticism. I. Mamedov. Part. zhizn' [Uzb.] 6 no. 6:80-81 Je '63.

PAYMENT

Make wider use of the accredited form of payment. F. Liberman. Sov. iust. no. 21:13-15 N '63.

PAZARDZHIK REGION—PARASITES—EARTHWORMS

Cysticercoid Paricterotaenia paradoxa Rudolphi, 1802 (Dilepididae Fuhrmann, 1907) found in Allolobophora caliginosa (Sav.) f. trapezoides (A. Dug.) (Lumbricidae) [with summary in English]. T. Genov. Zool. zhur. 42 no. 10:1578-1579 '63.

PAZARDZHIK REGION—TAPEWORMS

Cysticercoid Paricterotaenia paradoxa Rudolphi, 1802 (Dilepididae Fuhrmann, 1907) found in Allolobophora caliginosa (Sav.) f. trapezoides (A. Dug.) (Lumbricidae) [with summary in English]. T. Genov. Zool. zhur. 42 no. 10:1578-1579 '63.

PEACE

News from everywhere. Zhen. mira no. 11:7 '61.

Peoples of the world demand to preserve peace and prevent a new war. Ukraina no. 11:2-3 Je '62.

[Tractates on eternal peace] Traktaty o vechnom mire. Moskva, Sotsekgiz, 1963. 277 p.

PEACE—CONGRESSES

Toward a great goal. M. Kotov. Nov. vrem. 21 no. 50: 7-10 D '63.

PEACE CORPS

The "cold war" corps. V. Sidenko. Az. i Afr. seg. no. 12: 13-15 D '63.

PEACE TREATIES see subdivision under Germany

PEARL HARBOR, ATTACK ON, 1941

The unsolved mystery of Pearl Harbor; book review. V. Berezhkov. Nov. vrem. 21 no. 48:28-31 N '63.

PEAS

Efficiency of using machinery for the removal of impurities in pea husking. G. A. Fedorovich, V. N. Mamin. Kons. i ov. prom. 18 no. 11:14-18 N '63.

PEASANT UPRISINGS

"The Russian peasant movement, 1826-1840" and "The Russian peasant movement, 1850-1856." Reviewed by V. A. Fedorov. Vop. ist. 38 no. 11:119-122 N '63.

PEASANTRY
(see also subdivision under France, Iran; Karelia; Olonets Government)

Books about our ancestors. E. Dorosh. Nov. mir 38 no. 6:159-164 Je '62.

The problem of serfdom and the situation of peasants according to the "Instruction" of Catherine II. M. T. Beliavskii. Vest. Mosk. un. Ser. 9. Ist. 18 no. 6:44-63 N-D '63.

Transition from the policy of neutralizing the middle class peasants to a solid unity with them as one of the most important conditions of the victory over Kolchak. S. F. Vakhonin. Uch. zap. Orekh.-Zuev. ped. inst. 20 no. 3:35-48 '63.

PEAT

Changes in the mobility of humic compounds of peat (with summary in English). V. P. Tsyplenkov. Vest. LGU 18 no. 21:130-147 '63.

Increase in the stability and efficiency in burning milled peat. M. A. Stolov, M. G. Liakhovich, D. M. Khzmalian. Elek. sta. 34 no. 10:20-23 O '63.

Nikiforov, V. A. [Preparation of peat deposits for peat winning] Podgotovka torfianykh mestorozhdenii dlia dobychi torfa. Minsk, Gos. izd-vo BSSR, 1963. 210 p.

PEAT—BIBLIOGRAPHY see Bibliography—Peat

PEAT—CLEANING

Cleaning of milled peat from impurities in electric power stations. I. S. Bogorodskii. Torf. prom. 40 no. 7:18-19 '63.

PEAT—CONGRESSES

International Congress on Peat. M. I. Neishtadt. Izv. AN SSSR, Ser. geog. no. 6:118-121 N-D '63.

PEAT—DRYING

Malkov, L. M., and N. S. Pankratov. [Investigating the process of radiation-convective drying of granulated and lump peat] Issledovanie protsessa radiatsionno-konvektivnoi sushki granulirovannogo i kuskovogo torfa. Moskva, Gosenergoizdat, 1961. 215 p. (Leningrad, Vsesoiuznyi nauchno-issledovatel'skii institut torfianoi promyshlennosti. Moskovskii filial. Trudy, no. 1)

Methods for calculating the compression and settling of peat bogs in drying. E. A. Konovalov. Torf. prom. 40 no. 7:24-27 '63.

PEAT—TESTING

Methods for determining the water-absorbing properties of peat litter. M. G. Bulynko. Torf. prom. 40 no. 7: 30-32 '63.

Qualitative characteristics of raw peat. N. V. Churaev. Torf. prom. 40 no. 7:19-23 '63.

PEAT INDUSTRY
(see also subdivision under Latvia)

Brief news. Torf. prom. 40 no. 7:30 '63.

Let's mark the 46th anniversary of the Great Socialist October Revolution with labor achievements. A. M. Matveev. Torf. prom. 40 no. 7:1-3 '63.

PEAT INDUSTRY—CONGRESSES

Address of the Asst. President of the Leningrad City Council. G. V. Troitskii. Torf. prom. 40 no. 7:9 '63.

Address of the participants of the International Congress on Peat to all scientists and specialists working in the field of the winning, processing and complete utilization of peat and peat deposits. Torf. prom. 40 no. 7:10-11 '63.

Opening address at the International Congress on Peat. N. V. Mel'nikov. Torf. prom. 40 no. 7:4-8 '63.

Resolution of the International Congress on Peat. Torf. prom. 40 no. 7:9-10 '63.

PEAT INDUSTRY—EQUIPMENT AND SUPPLIES

Exchange of practices by the enterprises of economic councils. L. G. Kutuzov and others. Torf. prom. 40 no. 7:34-36 '63.

PEAT INDUSTRY—MANAGEMENT

Methods for determining the degree of mechanization in the peat industry. A. L. IAmpol'skii, L. P. Pisarluk. Torf. prom. 40 no. 7:12-15 '63.

PEAT SOILS
(see also subdivision under Moshchera)

[Draining and utilizing peat-bog soils] Osushenie i ispol'zovanie torfiano-bolotnykh pochv. Minsk, Gos. izd-vo sel'khoz lit-ry BSSR, 1963. 310 p.

PEBBLES see subdivision under Caucasus, Northern; Kusarchay Valley; Samur Valley; Ukraine

PECHERSKIY MONASTERY

Truth about the Kiev Monastery. L. Liapin. Agitator no. 21 59 N '63.

PECHORA COUNTY—RUSSIAN NEWSPAPERS

From the history of the local party press. A. E. Mol'tseva. Ist. arkh. 8 no. 3:212-214 My-Je '62.

PECHORA VALLEY—BITUMEN—ANALYSIS

New methods of the luminescence analysis of bitumens. S. S. Geiro. Trudy VNIGRI no. 212. Geokhim. sbor. no. 8:250-262 '63.

PECHORA VALLEY—FOLK SONGS—HISTORY AND CRITICISM

Kolpakova, N. P., and others, comps. [Song of Pechora] Pesni Pechory. Moskva, Izd-vo Akad. nauk SSSR, 1963. 458 p. (Pamiatniki russkogo fol'klora) (MiU)

PECHORA VALLEY—PETROLEUM—ABSORPTION SPECTRA

Geochemical characteristics of petroleums in the Timan-Pechora area based on infrared absorption spectra. S. S. Geiro. Trudy VNIGRI no. 212. Geokhim. sbor. no. 8:138-161 '63.

PECTIN

Content and changes of pectin substances in apple and apple residue during storage. E. I. Petropavlovskii, V. G. Moiseeva, T. N. Okorokova. Izv. vys. ucheb. zav.; pishch. tekh. no. 5 24-27 '63.

Determining the activity of pectin splitting enzyme preparations. L. A. Khersonova. Spirt. prom. 29 no. 7: 15-18 '63.

Losses of pectin substances in the production of tomato paste. M. S. Mordkovich, S. IA. Raik, V. V. Arnaudovich. Kons. i ov. prom. 18 no. 11:19-21 N '63.

Modern concepts concerning pectin substances. S. I. Kovalenko, O. D. Kurilenko. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:28-32 '63.

PECTINASE

Evaluation of the activity of pectolytic enzymes based on the optical density and viscosity of the pectin solution. A. A. Maritakov, O. P. Dianova, V. S. Krasnoshchekova. Trudy Inst. mikrobiol. i virus. AN Kazakh SSR 7:69-76 '63.

PEDDLERS AND PEDDLING see subdivision under Dzhambul Province; North Kazakhstan Province

PEDIATRICS

Belousov, V. A. [Manual on children's diseases] Uchebnik detskikh boleznei. Moskva, Medgiz, 1963. 398 p. (DNLM)

Brief news. Pediatriia 41 no. 7:85-87 Jl '63.

Concerning Professor A. T. Petrikeva's article "On some controversial problems in modern pediatrics." A. D. Grigorian. Pediatriia 41 no. 7:43-44 Jl '63.

Concerning Professor A. T. Petrikeva's article "On some controversial problems in modern pediatrics." V. A. Erenkov. Pediatriia 41 no. 7:49-13 Jl '63.

Demand of children in district center towns in specialized medical care and the methodology of its determination. N. A. Gorbunova. Zdravookhranenie 6 no. 5:16-19 S-O '63.

Minutes of the Moscow Society of Pediatricians. Pediatriia 41 no. 7:93-95 Jl '63.

Minutes of the Pediatric Surgery Section of the Pirogov Surgical Society for meeting No. 39. Vest. khir. 90 no. 6:157-158 Je '63.

Postoperative anesthesia in surgery of newborn infants and nursing infants; preliminary report [with summary in English]. V. V. Gavrilushov, R. B. Frantov. Khirurgiia 39 no. 7:67-71 Jl '63.

Iur, A. F. [Pediatric hematology] Gematologiia detskogo vozrasta. Izd. 2., ispr. i dop. Leningrad, Medgiz, 1961. 395 p. (DNLM)

PEDIATRICS—DIAGNOSIS

Method of examining the pharynx in children. B. I. Akkerman. Fel'd. i akush. 28 no. 8:46-48 Ag '63

PEIPING—HYPERTENSION

Concerning the prehypertensive state; according to data on an examination of the population of Peking [with summary in English]. Klin. med. 40 no. 11:79-85 N '62.

PELVIS

Age characteristics of the pelvic bones. I. I. Fedorov. Sud.-med. ekspert. 6 no. 4:18-25 O-D '63.

PELVIS—DISEASES

Changes in the rectosigmoid part of the large intestine in tumors and inflammatory diseases of the true pelvis. P. D. Fedotov. Vop. klin. pat. no. 2:91-102 '61.

PELVIS—FRACTURE

Volume of blood loss in patients with closed pelvic fractures. V. F. Pozhariskii. Ortop., travm. i protez. 24 no. 6:28-30 Je '63.

PELVIS—RADIOGRAPHY

Diagnostic value of gas pelvioradiography [with summary in English]. I. M. Griaznova. Akush. i gin. 39 no. 4: 9-18 Jl-Ag '63.

Diagnostic value of X-ray photographs of the pelvis and the hip joint in the sacrotrochanterian projection. N. F. Ishchenko-Udalova. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:59-64 '59.

Gas pelvioradiography and its combination with hysterosalpingography [with summary in English]. M. Kh. Babaian, A. V. Marennikova. Akush. i gin. 39 no. 4:6-9 Jl-Ag '63.

PELVIS—TUMORS

Myxomas of the retroperitoneal-pelvic-perineal region. M. P. Makarov. Vest. khir. 90 no. 6:121-123 Je '63.

PELVIS—WOUNDS AND INJURIES

Traumas of the pelvis with complete avulsion of the urethra from the bladder. D. Z. Lifshits. Zdrav. Bel. 9 no. 3:80-81 Mr '63

PELYMSKIY TUMAN, LAKE

Lake Pelymskiy Tuman. E. V. IAstrebov. Zap. Ural. otd. Geog. ob-va SSSR no. 2: 188-194 '55.

PENALTIES, CONTRACTUAL

Collection of fines for the incomplete delivery of rolled metal products. S. IA. Palastina. Izv. vys. ucheb. zav.; prav. 7 no. 3 136-139 '63.

PENCILS

Technical requirements in regard to the fillers for the production of graphite pencils. A. S. Antonova. Trudy IGEM no. 95.110-112 '63.

PENDZHIKENT—COINS, ORIENTAL

Smirnova, O. I. [Catalog of coins from the ancient settlement of Pendzhikent; the materials of 1949-1956] Katalog monet s gorodishcha Pendzhikent; materialy 1949-1956 gg. Moskva, Izd-vo vostochnoi lit-ry, 1963. 111 p. Illus.

PENGUINS see subdivision under Antarctic regions

PENICILLIN

Antimicrobial action of penicillin and colimycin in infected lymph nodes in white rats [with summary in English]. V. N. Solov'ev, I. R. Balyn'. Antibiotiki 7 no. 10:921-925 O '62.

Atrophic acrodermatitis. A. G. Zemlianoi. Vest. khir. 91 no. 7:83-86 Jl '63.

PENICILLIN—SIDE EFFECTS

Severe anaphylactic shock following the introduction of penicillin. A. I. Ryvkin, S. F. Bilianskii. Vrach. delo no. 11:139-140 N '63

PENICILLIUM

Dynamics of the biosynthesis of microcide (glucose oxidase) on media with glucose and saccharose [with summary in English]. O. O. Nikol'ska and others. Mikrobiol. zhur. 25 no. 5.36-42 '63.

PENSIONERS—SOCIETIES, ETC.

Are the district and city pensioner councils necessary? M. Kungurov. Sots. obesp. 24 no. 9:12-13 S '63.

PENSIONS

(see also subdivision under Belgorod Province; Chile; Loymola; Stavropol)

Good aid. S. Smirnov. Sots. obesp. 24 no. 9:21-22 S '63.

Length of service necessary for awarding pensions. IU. IUrburgskii. Otv. na vop. trud. no. 8:61-64 Ag '63.

Special aspects of granting pensions to persons working in religious organizations. G. Smirnova. Sots. obesp. 24 no. 9:53-55 S '63.

PENTOSES

Selecting pentose-fermenting yeast for the hydrolysis industry. L. E. Denisenko. Trudy Inst. mikrobiol. i virus AN Kazakh. SSR 7.48-50 '63.

PENZA—AUXILIARY POLICE

Voluntary and obligatory. M. Syshchikov. Part. zhizn' no. 21;48 D '63.

PENZA PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

Verification of the carrying out of decisions and the education of specialists. L. Ermin. Part. zhizn' no 22.8-14 N '63.

PENZA PROVINCE—CHERNOZEM SOILS

Comparative study of the characteristics of the movement of soil moisture in leached Chernozem soils on virgin lands and under various farm crops in Penza Province. G. B. Gal'din. Pochvovedenie no 10:64-73 O '63.

PENZA PROVINCE—JOURNALISM, AGRICULTURAL

Propagandize and organize. M. Likimov. Part. zhizn' no. 24:67-69 D '63.

PENZA PROVINCE—SOIL MOISTURE

Comparative study of the characteristics of the movement of soil moisture in leached Chernozem soils on virgin lands and under various farm crops in Penza Province. G. B. Gal'din. Pochvovedenie no. 10:64-73 O '63.

PEPTIC ULCER

Anesthesia in hemorrhagic gastric and duodenal ulcers. V. B. Rumiantsev. Khirurgiia 39 no. 7:99-106 Jl '63.

Clinicoroentgenological correlations in peptic ulcer in elderly persons. A. V. Sheratnev, A. V. Shelepov. Klin. med. 41 no. 7:133-137 Jl '63.

Duodeno-colonic fistula in peptic ulcer. S. P. Nikul'shin. Vest. khir. 91 no. 7:70-80 Jl '63.

Hemotransfusions in treating patients suffering from peptic ulcers. IU. N. Volkov, IU. A. Nekrasov. Vrach. delo no. 11;136-137 N '63.

Kidney function tests in peptic ulcer of the stomach and duodenum. B. S Entin. Zdrav. Bel. 9 no 3:25-28 Mr '63

Peptic ulcer. E. Dubrov. Sel'. mekh. no. 10:38 O '63.

Therapeutic action of fubromegan in peptic ulcer. A. T. Simonian and others. Zhur. eksp. i klin. med. 3 no. 4:7-11 '63.

PEPTIDES

Mutual transformations of cyclols and cycladepsipeptides studied by the method of fragmentary mass spectrometry. N. S. Vul'fson and others. Dokl. AN SSSR 153 no. 2:336-339 N '63.

PERCEPTION

Action of reciprocally counterdirected sets. Z. I. Khodzhava. Eksp. issl. po psikhol. ust. 2:135-160 '63.

Constancy of perception and fixated set. R. G. Natadze. Eksp. issl. po psikhol. ust. 2:99-117 '63.

Critical situation and set. Sh. N. Chkartishvili. Eksp. issl. po psikhol. ust. 2 195-214 '63.

Experimental study of fixated set in animals. N. V. Chrelashvili. Eksp. issl. po psikhol. ust. 2:267-284 '63.

Fixated set in lower primates. N. G. Adamashvili. Eksp. issl. po psikhol. ust. 2:231-265 '63.

Illusional action of set fixated for magnitude equalization. A. M. Avalishvili. Eksp. issl. po psikhol. ust. 2.45-46 '63.

Integrated nature of set. Sh. N. Chkartishvili, O. I. Tabidze. Eksp. issl. po psikhol. ust. 2:215-228 '63.

Nature of the Charpentier illusion. A. G. Baindurashvili. Eksp. issl. po psikhol. ust. 2:57-62 '63.

Peculiarities of the generalization of fixated set in a state of delirium. M. A. Sakvarelidze. Eksp. issl. po psikhol. ust. 2:381-386 '63.

Phase changes in a fixated set. A. T. Kintsurashvili. Eksp. issl. po psikhol. ust. 2:85-98 '63.

Some prerequisites of fixating a set for quantitative relationship. V. V. Grigolava. Eksp. issl. po psikhol. ust. 2:77-83 '63.

Unity of sensory and rational factors in the process of perception and relative independence of abstract thinking in the light of I. P. Pavlov's theory of the two signal systems. M. G. Litvintsev. Trudy Khab. med. inst. 23 no. 2:10-16 '62.

PERCEPTRONS

Probability approach to the construction of synthesis block in a reading machine [with summary in English]. M. O. Gliklikh, A. D. Krisilov, G. V. Poddubnyi. Avtom. i telem. 24 no. 11:1514-1518 N '63.

Reading automata. IU. Mitulinskii. Radio no. 9:4-6 S '63.

Theory of image recognition and self-teaching systems. M. A. Aizerman and others. Izv. AN SSSR. Tekh. kib. no. 5:98-101 S-O '63.

Use of insoluble anodes of lead dioxide in the processes of electrochemical synthesis. N. G. Bakhchisaraits'ian, E. A. Dzhafarov. Azerb. khim. zhur. no. 3 109-115 '62.

PERECHIN—WOOD—CHEMISTRY

With our own forces. A. Filimonov. NTO 5 no. 11:34-35 N '63.

PERFUSION PUMP (HEART)

Apparatus for artificial blood circulation. M. E. Klammer. Med. sestra 22 no 11.41-51 N '63

PERILLA

Effect of soil moisture on the diurnal rhythms of movement in Perilla ocymoides. B. S. Moshkov, E. I. Ermakov, P. A. Degtiarev. Dokl. AN SSSR 153 no. 2 477-480 N '63.

PERIODIC DISEASE

Case of periodic disease. L. M. Grishaeva. Kaz. med. zhur. no. 5:77-78 S-O '63.

PERIODIC LAW

The very first and the most mysterious. D. Trifonov. Znan. sila 38 no. 9:6-9 S '63.

PERIODICALS see subdivision under Africa, West

PERIODICALS—BIBLIOGRAPHY see Bibliography—Periodicals

PERIOSTEUM—INNERVATION

Innervation of the periosteum and the hip bone. L. A. Smirnova. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15;311-316 '59.

PERITONEOSCOPY

Peritoneoscopy as a supplementary method in the examination of gynecological patients [with summary in English]. N. M. Zavrazhin. Akush. i gin. 39 no. 4:15-18 Jl-Ag '63.

PERITONEUM—CANCER

Use of radioactive colloidal gold in carcinomatosis of the pleura and peritoneum [with summary in English]. I. IA. Chupin. Vop. onk. 9 no. 7:56-62 '63.

PERITONITIS

Lutsenko, S. M. [Peritonitis in old age and senility, clinical, experimental and morphological study] Peritonit v pozhilom i starcheskom vozraste, kliniko-eksperimental'no-morfologicheskoe issledovanie. Kishinev, Izd-vo "Shtiintsa" Akad. nauk Moldavskoi SSR, 1962. 214 p. (DNLM)

Suppurative peritonitis as a complication of spleen infarction in septic endocarditis. V. I. Reikhel', D. M. Liberzon. Pediatriia 41 no. 7.71-72 Jl '63.

PERM—MOTION-PICTURE THEATERS

"Crystal," Universal Motion-Picture Theater in Perm. D. IA. Rudnik, F. N. Sondik. Tekh. kino i telev. 7 no. 11:1-5 N '63.

PERM PROVINCE—COLLECTIVE FARMS—INCOME DISTRIBUTION

Collective farms introduce monetary wages. IU. P. Fomichev. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:45 O '63.

PERM PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION

A working meeting. M. Bazhenov, G. Klushin. Part. zhizn' no. 23;51-55 D '63.

PERMAFROST see Frozen ground

PERMALLOYS

Effect of the initial state on the result of thermomagnetic treatment of a permalloy. D. D. Mishin, V. P. Gogin. Izv. vys. ucheb. zav.; fiz. no. 3:12-14 '63.

PERMEABILITY

Permeability of spherical and irregularly shaped lump materials. P. N. Grekov, V. K. Gruzinov. Izv. vys. ucheb. zav., chern. met. 6 no. 10:18-21 '63.

PERMIAN LANGUAGES—AFFIXES

Semantics of possessive suffixes in the Finno-Baltic and Permian languages; suffixes of the first person singular. V. S. Sukhanova. Uch. zap. Petrozav. gos. un. 7 no. 1: 285-292 '58.

PERMITTIVITY see Dielectric constant

PERMUTITES

Study of the conditions of influenza virus adsorption by permutite [with summary in English]. IE. IE. IEfimov. Mikrobiol. zhur. 25 no. 5 24-28 '63.

PEROXIDES

Akademiia nauk SSSR. Institut obshchei i neorganicheskoi khimii. [Chemistry of peroxide compounds] Khimiia perekisnykh soedinenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 313 p.

Evaluation of the initiating activity of peroxides in polymerization reactions. S. S. Ivanchev, A. I. IUrzhenko, V. I. Galibei. Dokl. AN SSSR 152 no. 5:1159-1161 O '63.

PERSIA see Iran

PERSONAL BEAUTY see Beauty, Personal

PERSONALITY

Strukov, E. V. [All-around and harmonious development of personality] Vsestoronnee i garmonicheskoe razvitie lichnosti Moskva, Politizdat, 1963. 237 p

PERSONALITY, DISORDERS OF

Premorbid personality and mental disorders. V. G. Norakidze. Eksp. issl. po psikhol. ust. 2 357-381 '63.

PERSONNEL MANAGEMENT see subdivision under Katav-Ivanovsk (Chelyabinsk Province)

PERSPIRATION

Effect of proprioception on the perspiration under normal and pathological conditions. B. M. Datskovskii. Eksp. issl. po fiziol., biokhim. i farm. no. 3:83-91 '61.

PERTURBATION

Separation of self-action and scattering effects under the perturbation theory. L. D. Faddeev. Dokl. AN SSSR 152 no. 3:573-576 S '63.

PERU—DESCRIPTION AND TRAVEL

Fiedler, Arkady. [The river of singing fish Translation from the Polish] Ryby poiut v Ukaiali. Moskva, Geografgiz, 1963. 239 p., illus. (Rasskazy o prirode).

PERVOMAYSKIY DISTRICT (ORENBURG PROVINCE)—AGRICULTURAL ADMINISTRATION

Pulling up, helping, inspiring. P. Chernyshev. Agitator no. 21:21-24 N '63.

PESKOV, V.

"Listen to the silence...." A. Vinogradov. Vokrug sveta no. 11:63 N '63.

PESTRAK, FILIPP SEMENOVICH, 1903-

The gleam of lightning. B. Bur'ian. Belarus' 20 no. 11: 25 N '63.

PETRACHKOV, MIKHAIL MIKHAILOVICH, 1902-1963

M. M. Petrachkov; an obituary. Sud.-med. ekspert. 6 no. 4:59 O-D '63.

PETROGLYPHS see subdivision under Kaskabulak

PETROLEUM
(see also subdivision under Fergana; Komi A. S. S. R., Romashkino region)

Recent data on the use of petroleum in Russia in the beginning of the 18th century. K. V. Kostrin. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 12:117-120 '61.

PETROLEUM—ABSORPTION SPECTRA
(see also subdivision under Pechora Valley)

Determination of some characteristics of the petroleum composition from infrared absorption spectra. E. A. Glebovskaia. Trudy VNIGRI no. 212. Geokhim. sbor. no. 8:220-229 '63.

PETROLEUM—ANALYSIS
(see also subdivision under Azerbaijan; Bulgaria, Mukhanovo region; Timan Ridge; Yakutia)

Automatic quality analyzers in petroleum refining petroleum chemistry. M. I. Shpunt. Mekh. i avtom. proizv. 17 no. 10:51-55 O '63.

Genesis of tar-asphaltene components of oil. I. V. Skliar. Trudy VNIGRI no. 212. Geokhim. sbor. no. 8:36-40 '63.

Geochemistry of the iron group elements in oils. S. M. [illegible] Geokhim. sbor.

PETROLEUM—CONGRESSES

Soviet scientists at the Sixth International Petroleum Congress. G. A. Vvedenskii. Mat. i soob. issl. otd. inst. po izuch. SSSR no. 49/50:67-72 S-O '63.

PETROLEUM—STORAGE

Technical and economic indices of tanks for storing petroleum products. N. A. Aref'eva, G. V. Sakharov. Trudy VNIIST no. 14:131-141 '62.

PETROLEUM—REFINING

Mathematical methods and electronic computers used in the planning of petroleum refining. K. A. Amiragov. Za tekh. prog. 3 no. 10:45-48 O '63.

Separation of ammonium salts of naphthenic acids from oil in an electrical field. A. A. Agaev. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 12:95-98 '61.

PETROLEUM—STORAGE

Matskin, L. A., and I. L. Chernisk. [Operation of tank farms] Ekspluatatsiia neftebaz. Izd. 2., perer. i dop. Moskva, Gostoptekhizdat, 1963. 455 p.

PETROLEUM—TRANSPORTATION
(see also subdivision under Belaya River, Bashkiria)

New, highly efficient petroleum pier. I. Urstskii. Rech. transp. 22 no. 10:41-42 O '63.

PETROLEUM AS FUEL

Economic prospect for the use of high-sulfur mazut by electric power plants S. A. Feigin and others. Khim. i tekh. topl. i masel 8 no. 11 43-49 N '63

PETROLEUM CHEMICALS see subdivision under Soviet Central Asia

PETROLEUM GEOLOGY
(see also subdivision under Apsheron Peninsula, Azerbaijan; Brazil, Chelyabinsk Basin; Chelyabinsk Province; Fergana, Minusinsk Basin; Neftechala region, Turan Plateau, Turkmenistan)

General regularities in the behavior of gas and oil systems at great depths. T. P. Zhuze, G. N. Iushkevich, G. S. Ushakova. Dokl. AN SSSR 152 no. 3 713-716 S '63.

Gimatudinov, Sh. K. [Physics of oil-bearing beds] Fizika neftianogo plasta. Pod red. I. M. Muravleva. Moskva, Gostoptekhizdat, 1963. 274 p.

Lapidus, M. A. [Discoverer of underground secrets] Otkryvatel' podzemnykh tain. Moskva, Izd-vo "Sovetskaia Rossiia," 1963. 382 p. (Liudi Sovetskoi Rossii)

Neotectonic nature of anomalously high formation pressures in oil and gas fields in alpine geosyncline areas. K. A. Anikiev. Dokl. AN SSSR 152 no. 5 1192-1195 O '63.

Tyumen' conference on "Characteristics of the Distribution of Gas and Oil Fields in the R. S. F. S. R." Inform. sbor. NIIGA no. 30:3-7 '62.

PETROLEUM GEOLOGY—MAPS see subdivision under Yakutia

PETROLEUM INDUSTRY
(see also subdivision under Iran)

Forty-sixth anniversary of the Great October Socialist Revolution. Khim. i tekh. topl. i masel 8 no. 11 1-4 N '63.

Moscow. Institut neftekhimicheskoi i gazovoi promyshlennosti [Industrial program for the recovery of petroleum and gas, a textbook for the course "Organization and planning of petroleum and gas enterprises"] Proizvodstvennaia programma po dobyche nefti i gaza, uchebnoe posobie po kursu "Organizatsiia i planirovanie neftianykh i gazovykh predpriiatii." Otv. red. S. F. Gorkin. Moskva, 1962. 50 p.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po toplivnoi promyshlennosti. [Economics of the petroleum industry] Ekonomika neftedobyvaiushchei promyshlennosti. Moskva, Gostoptekhizdat, 1963. 215 p. (DBC)

Soviet scientists at the Sixth International Petroleum Congress. G. A. Vvedenskii. Mat. i soob. issl. otd. inst. po izuch. SSSR no. 49/50:67-72 S-O '63.

PETROLEUM INDUSTRY—EQUIPMENT AND SUPPLIES

Machine for testing specimens for wear with a reciprocating motion. V. A. Kislik, V. I. Shlykov. Izv. vys ucheb. zav.; neft' i gaz 4 no. 12:109-112 '61.

Using corrected spur gearing in the petroleum industry. V. A. Avakov and others. Azerb. neft. khoz. 40 no. 5:39-41 My '61.

PETROLEUM INDUSTRY—INFORMATION SERVICES

The struggle for technological progress in the petroleum industry administrative unit "Al'keevneft'," S. B. Ishemguzhin. Opyt rab. po tekh. inform. i prop. no. 3: 12-13 '63.

Technological information and propaganda in the "Bashzapadneftеrazvedka" Trust. V. G. Dzema. Opyt rab. po tekh. inform. i prop. no. 3:13-14 '63.

PETROLEUM INDUSTRY—SAFETY MEASURES

n under a blanket. V. Lints. Izobr. i rats.

PETROLEUM PIPELINES

Study of specific technical and economic indices of pipelines for petroleum and petroleum products. P. P. But. Trudy VNIIST no. 14:142-163 '62.

Welding gas and petroleum pipeline pipes having a diameter of 529-630 mm. with a bilateral spiral joint. S. L. Mandel'berg, V. E. Lopata, S. E. Semenov. Avtom. svar. 16 no. 10:63-70 O '63.

PETROLEUM PRODUCTION

Abdullaev, A. A., and I. A. Nabiev. [System of automatic remote-control measurement of the yield of oil wells] Sistema avtomaticheskogo telеizmereniia debita neftianykh skvazhin. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 207 p.

Accuracy requirement in constructing analytical nets for planning and determining the sites of oil wells. A. G. Akhmedov. Azerb. neft. khoz. 40 no. 5:9-12 My '61.

Institut tekhnicheskoi informatsii i ekonomicheskikh issledovanii po neftianoi i gazovoi promyshlennosti. [Economic problems of petroleum production] Voprosy ekonomiki neftedobyvaiushchei promyshlennosti. Moskva, ITEIneftegaz, 1962. 120 p. (Tematicheskii nauchno-tekhnicheskii sbornik. Seriia: Dobycha) [MICROFILM]

Isakovich, R. IA. [Control and automation of petroleum and gas production] Kontrol' i avtomatizatsiia dobychi nefti i gaza. Moskva, Gostoptekhizdat, 1963. 354 p.

Method of calculating petroleum production in long-range planning (to be continued). V. P. Kaufman. Azerb. neft khoz. 40 no. 5:40-48 My '61.

PETROLEUM PRODUCTS
(see also subdivision under Baku, Europe, Western)

Colorimetric method for determining furfurole in the products and waste water of the selective purification of oils. A. A. Kiazimov, Z. V. Khaidei, Iu. I. Khar'kovskii. Khim. i tekh. topl. i masel 8 no. 11 61-64 N '63.

PETROLEUM REFINERIES
(see also subdivision under Gorkiy)

Automatic control of operating conditions of a standard petroleum refining unit by the quality of raw materials and residue. M. A. Topchibashev, R. I. Zeinalov. Za tekh. prog. 3 no. 10:1-6 O '63.

Shortcomings in the planning and evaluation of the economy of fuel in petroleum refining plants. E. A. Shaguro. Prom. energ. 18 no. 11:4-6 N '63.

PETROLEUM REFINERIES—WATER SUPPLY

Water utilization and purification of waste waters at the Novo-Gor'kovskiy petroleum refinery. M. S. Matveev. Khim. i tekh. topl. i masel 8 no. 11 35-39 N '63.

PETROLEUM RESEARCH
(see also subdivision under Kuybyshev)

Brief reports on the results of creating new methods and apparatus in the All-Union Petroleum (Scientific Research) Geological Prospecting Institute in 1957-1960. A. I. Bogomolov, S. M. Katchankov. Trudy VNIGRI no. 212. Geokhim. sbor. no. 8:213-219 '63.

Promote creative activity of the members of the society. L. Barskaia. NTO 5 no. 11:24-26 N '63.

PETROLEUM WASTE

Further curtailment of losses of petroleum products contained in sewage of Baku petroleum refineries. V. I. Tochilov. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 12:113-116 '61.

Plants are growing faster. Mykhailo Latyshev. Ukraina no. 16 17 Ag '62.

PETROLEUM WORKERS see subdivision under Angarsk; Groznyy

PETROLEUM WORKERS—EDUCATION AND TRAINING

Technological study rooms. B. Nitetskii. Prof.-tekh. obr 20 no. 10, 27-28 O '63.

PETROLOGY

Sobolev, V. S., ed. [Problems of theoretical and experimental petrology. Translated from the English] Voprosy teoreticheskoi i eksperimental'noi petrologii; sbornik statei. Moskva, Izd-vo inostr. lit-ry, 1963. 530 p.

Use of illustrations in petrographic and mineralogic studies. K. I. Rozanov. Trudy IMGRE no. 16:65-69 '63.

PETROPAVLOVSK—ELECTRIC POWER PLANTS—DESIGN AND CONSTRUCTION

In the tangle of bureaucratic red tape. I. Vasin. Nar. khoz. Kazakh. 21 no. 9:24-26 S '63.

PETROV, ALEKSANDR MIKHAILOVICH, 1899-1963

Aleksandr Mikhailovich Petrov; an obituary. Med. paraz. i paraz. bol. 32 no. 5:637 S-O '63.

PETROZAVODSK—RAILROADS—BUILDINGS AND STRUCTURES

Ispolatova, L. F. [Using integrated brigades in overhauling apartment houses; practice of the Petrozavodsk Division of apartment houses and structures of the Oktiabr' Railroad] Kompleksnye brigady na kapital'nom remonte zhilykh zdanii; opyt Petrozavodskoi distantsii zdanii i sooruzhenii Oktiabr'skoi dorogi. Moskva, Transzheldorizdat, 1963. 50 p.

PETRUS IBERUS, BP. OF MAJUMA, 411?-491

Nutsubidze, Sh. I. [Petrus Iberus and ancient philosophical heritage; some problems of Areopagitica] Petr Iver i antichnoe filosofskoe nasledie, problemy areopagitiki. Tbilisi, Izd-vo SSR Gruzii "Literatura i iskusstvo," 1963. 489 p.

PHAGOCYTOSIS

Role of phagocytosis in the mechanism of immunity in some rickettsioses, preliminary report. D. S. Arkhangel'skii. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:250-257 '63.

State of nonspecific immunity in dogs in intraosseous introduction of the isotope P-32. Report No. 1: Phagocytic activity of the blood. M. L. Svetlova. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:359-363 '59.

PHAN ANH, 1912-

Phan Anh. Nov. vrem. 21 no. 51:23 D '63.

PHARMACOLOGY

Association of local anesthesia with neuroplegic, ganglionic blocking, and antishock agents. G. M. Shalunov. Kaz. med. zhur. no. 5:72-73 S-O '63.

PHARMACOLOGY (Continued)

Combined treatment of experimental brucellosis in albino mice with oxytetracycline, biomycin, levomycetin, brucellosis vaccine and specific gamma globulin [with summary in English]. A. N. Stepchanskaia. Mikrobiol. zhur. 25 no. 5 52-58 '63.

Effect of diet and some drugs on the secretion of pancreatic juice from a pancreatic fistula. V. V. Vashchuk. Klin. med. 41 no. 7 57-63 Jl '63.

Effect of tonic drugs and adaptive hormones on the thermal resistance of white mice. V. D. Lindenbraten, S. D. Frolov. Trudy Khab. med. inst. 23 no. 2 73-74 '62.

From the petals of a snowdrop. S. Kodin. Znan. sila 38 no. 3 29 S '63.

Reviews of the book "Manual on pharmacology," edited by N. V. Lazarev. L. IA. Ebert. Antibiotiki 7 no. 10 949-949 O '62.

Significance of the functional state of the adrenal cortex in the pathogenesis of experimental arthritis and in the pharmacodynamics of antirheumatic agents [with summary in English]. A. F. Leshchinskii, Z. I. Zuza. Probl. endokrinol. i gorm. 9 no. 5 25-29 S-O '63.

Treatment of desquamative glossitis. L. A. Vilkova. Tezisy prak. stom. no. 5 86-88 '61.

PHARMACOLOGY—ABSTRACTS

[Pharmacology, Toxicology] Ref. zhur.: Farm. Toks. no. 23 N '63.

PHARYNX

Method of examining the pharynx in children. B. I. Akkerman. Feld. i akush. 28 no. 8 46-48 Ag '63.

PHASE CONVERTERS

Efficient regulated ferrite phase shifters. IU. V. Egorov. Izv. LETI no. 47 73-85 '62.

PHASE RULE AND EQUILIBRIUM

Carbide analysis of a cast chromium-nickel base alloy. L. N. Zimina, E. F. IAkovleva, D. N. Zharkova. Sbor. trud. TSNIICHM no. 32:103-110 '63.

Determining small contents of austenite or alpha-phase on a URS-50I diffractometer. V. G. Kostogonov. Sbor. trud. TSNIICHM no. 32:134-137 '63.

Investigating Mg-Mn and Mg-Zr alloys obtained during quenching from melts. N. I. Varin, B. N. Litvin. Fiz. met. i metalloved. 16 no. 4 526-529 O '63.

Method of studying disperse phases by electron microscopy. A. V. Smirnova. Sbor. trud. TSNIICHM no. 32: 25-35 '63.

Phase transformations in an alloy containing Bi - 50 atomic % Sn at high isostatic pressures. E. G. Ponitovskii. Fiz. met. i metalloved. 16 no. 4:622-624 O '63.

Plotting of two-dimensional polythermal sections of equilibrium diagrams for multicomponent eutectic systems with the aid of the method of projections. Part 4: Application of the geometrical unfolding (shadow) method for the plotting of equilibrium diagrams for eutetic systems with an arbitrary number of components [with summary in English]. A. L. Landau. Zhur. fiz. khim. 37 no. 9:1933-1937 S '63.

Processes in alloys in the solidification range. V. P. Kalenov. Lit. proizv. no. 10, 31-33 O '63.

Regularities in the location of surface pressure folds of a ternary liquid- vapor system and in the shift of folds with change in temperature. Part 2 [with summary in English]. M. P. Susarev. Zhur. fiz. khim. 37 no. 9: 1944-1948 S '63.

Salli, I. V. [Physical principles in the forming of alloy structures] Fizicheskie osnovy formirovaniia struktury splavov. Moskva, Metallurgizdat, 1963. 218 p.

Solid phases formed in the system $Na_2O - Al_2O_3 - SiO_2 - H_2O$. V. S. Sazhin and others. Ukr. khim. zhur. 29 no. 11:1123-1128 '63.

Stabilization γ-, ϵ transformations during recurrent phase transitions. I. N. Bogachev, V. F. Egolaev, L. S. Malinov. Fiz. met. i metalloved. 16 no. 4:544-550 O '63.

Theory of transformations of undercooled austenite. B. A. Leont'ev. Fiz. met. i metalloved. 16 no. 4:516-520 O '63.

PHASEMETER

Wide frequency range electronic phasemeter. Izm. tekh. no. 12:32-33 D '63.

PHENANTHRENE—SPECTRA

Quasi-line phosphorescence spectra of phenanthrene solutions. P. A. Tepliakov. Opt. i spektr. 15 no. 5: 645-650 N '63.

PHENOL CONDENSATION PRODUCTS

Products of condensation of alkyl phenols and their derivatives with monochloroacetic acid as inhibitors of steel corrosion. A. M. Kuliev and others. Azerb. khim. zhur. no. 3:59-66 '62.

PHENOLOGY

Purposes and tasks of issuing new forms for phenological observations. Mat. po fen. no. 2:30-32 '61.

Unusual natural phenomena during the winter of 1960-1961. M. A. Rodionov. Mat. po fen. no. 2:10-16 '61.

Volunteer phenological network of the Geographical Society of the U. S. S. R. during the last ten years (1951-1960). G. E. Shul'ts. Mat. po fen. no. 2:2-7 '61.

PHENOLOGY—BIBLIOGRAPHY see Bibliography—Phenology

PHENOLS

Determination of small quantities of phenols by the chemiluminescent method [with summary in English]. A. A. Ponomarenko, L. M. Amelina. Zhur. anal. khim. 18 no. 10:1244-1249 O '63.

Kruzhalov, B. D., and B. E. Golovanenko. [Joint production of phenol and acetone] Sovmestnoe poluchenie fenola i atsetona. Moskva, Goskhimizdat, 1963. 199 p.

Production of synthetic tanning materials based on phenol and nonsulfonated substances. S. K. Golubeva, S. A. Kuraitis, I. K. Getmanskii. Trudy NIISZHIMSa no. 3:96-98 '62.

Quantitative iodination of some monoamyl phenols [with summary in English]. O. N. Karpov. Zhur. anal. khim. 18 no. 10:1266-1268 O '63.

Spectrophotometric determination of microimpurities in picric acid and dinitrophenols. G. I. Romantsova. Zav. lab. 29 no. 11:1307-1309 '63.

Surface-active characteristics and detergency of some polyethylene esters of nonyl phenols. F. V. Nevolin and others. Masl.-zhir. prom. 28 no. 10 22-26 O '62.

Synthesis of polymers based on acrolein and phenol. A. B. Stamler, B. E. Geller. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:870-881 '63.

PHENOLS—SPECTRA

Electron paramagnetic resonance study of the oxidation of aminoalkyl phenyls by benzene peroxide. F. N. Mazitova and others. Dokl. AN SSSR 153 no. 2 354-356 N '63.

Infrared spectra of alkyl phenols and their ethers. M. A. Salimov, L. A. Erivanskaia, N. I. Shuikin. Azerb. khim. zhur. no. 3:67-73 '62.

PHENOTHIAZINE

Zaitsev, G. P., and V. A. Gologorskii. [Potentiated anesthesia in the surgical clinic] Potentsirovannyi narkoz v khirurgicheskoi klinike. Moskva, Medgiz, 1963. 248 p.

PHEROMONES

Substance regulating the swarming of bees. IU. M. Zaleskii. Priroda 52 no. 10:117 '63.

PHEROMONES see Pheromones

PHILADELPHIA—DESCRIPTION

The olive branch and the arrows. O. Gorchakov. Vokrug sveta no. 11:24-26 N '63.

PHILIPPINES—CORRUPTION (IN POLITICS)

Bourgeois Themis doesn't punish such people. V. IUrenko. Rad. pravo no. 6:119-121 N-D '63.

PHILIPPINES—ECONOMIC CONDITIONS

The Philippine Republic. E. Troitskii. Otv. na vop. trud. no. 8:54-60 Ag '63.

PHILIPPINES—POLITICS AND GOVERNMENT

The Philippine Republic. E. Troitskii. Otv. na vop. trud. no. 8:54-60 Ag '63.

What the session of the Philippine Parliament demonstrated. A. Orlov. Az. i Afr. seg. no. 12:52-53 D '63.

PHILOLOGY—CONGRESSES

First International Congress of Mongolian Philologists in Ulan Bator. Ch. Cholzhilyn. Sovr. Mong. 4 no. 10: 29-32 O '59.

PHILOSOPHICAL ANTHROPOLOGY see subdivision under Germany

PHILOSOPHY

Bogomolov, A. S. [Critical evaluation of present-day bourgeois philosophy] Kritika sovremennoi burzhuaznoi filosofii. Moskva, Gospolitizdat, 1963. 45 p. (Metodicheskie sovety po filosofii)

Historical development of the philosophical concept of "alienation." I. S. Narskii. Nauch. dokl. vys. shkoly; filos. nauki 6 no. 4:97-106 '63.

On the so-called Russian existentialism. I. F. Balakina. Vest. Mosk. un. Ser. 8: Ekon., filos. 18 no. 6:88-96 N-D '63.

PHILOSOPHY—BIBLIOGRAPHY see Bibliography—Philosophy

PHILOSOPHY—CONGRESSES

Man and the age. F. Konstantinov. Nov. vrem. 21 no. 46:7-9 N '63.

PHILOSOPHY—RESEARCH

Intensification of the ideological work of the Communist Party and some problems concerning the development of philosophical studies in the institutions of higher education. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 4:3-16 '63.

PHILOSOPHY—STUDY AND TEACHING

Philosophical study groups. IU. Ozhegov. Kommunist 40 no. 16 85-89 N '63.

PHILOSOPHY, ANCIENT

Ancient philosophy and the class struggle. L. P. Marinovich. Vop. ist. 38 no. 12:189 D '63.

PHILOSOPHY, ARMENIAN

Philosophical and ethical problems in the literary heritage of Gazaros Agatan. A. N. Avtandilian. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 5 81-95 '63.

PHILOSOPHY, GERMAN

Anthropological principle in the German idealistic philosophy of the 19th and 20th century. K. N. Liubutin. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 5 81-90 '63.

PHILOSOPHY, KAZAKH

Post-Revolutionary development of Marxist-Leninist theory in Kazakhstan. T. D. Dzhumagazin, G. P. Karmyshev. Trudy Inst. filos. i prava AN Kazakh. SSR 8:108-128 '63.

PHONORECORDS see subdivision under Moscow

PHOSPHATASES

Phosphoprotein phosphatase and phosphatase activity of protein fractions from a hog's spleen [with summary in English]. N. A. Fedorova, A. I. Komkova. Vest. LGU 18 no. 21 168-171 '63.

PHOSPHATE COATING

Investigating the diffusion of phosphorus in iron by the radiometric method. P. L. Gruzin, V. V. Murav'ev. Fiz. met. i metalloved. 16 no. 4:551-556 O '63.

PHOSPHATES

Gravimetric determination of gallium as phosphate [with summary in English] I. V. Tananaev, N. N. Chudinova. Zhur. anal. khim. 18 no. 10:1274 O '63.

Study of polyphosphates in two species of green algae. V. M. Vagabov, G. P. Serenov. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 1:38-47 Ja-Ag '63.

Use of automated filter presses for the separation of suspensions in the production of phosphorus salts. A. G. Solinov, A. M. IUdin. Khim. prom. no. 9:709-710 S '63.

Using the waste products from the Dneprodzerzhinsk Nitrogen Fertilizer Plant as phosphate fertilizer. A. V. Peterburgskii, Kh. P. Pekenio. Dokl. TSKHA no. 47:71-75 '59.

PHOSPHINE

Phosphorus-containing polymers based on methylphosphines and methylolphosphine oxides. K. A. Petrov, V. A. Parshina, G. M. TSypina. Plast. massy no. 11:11-13 '63.

PHOSPHINE OXIDE

Phosphorus-containing polymers based on methylphosphines and methylolphosphine oxides. K. A. Petrov, V. A. Parshina, G. M. TSypina. Plast. massy no. 11:11-13 '63.

PHOSPHOPROTEIN PHOSPHATASE

Phosphoprotein phosphatase and phosphatase activity of protein fractions from a hog's spleen [with summary in English]. N. A. Fedorova, A. I. Komkova. Vest. LGU 18 no. 21:168-171 '63.

PHOSPHORIC ACID

Determination of iron by extraction with 2-ethylhexylphosphoric acids. IU. B. Kletenik, I. A. Bykhovskaia. Zav. lab. 29 no. 11:1306-1307 '63.

PHOSPHORITES see subdivision under Karatau; Moscow region

PHOSPHOROUS ACID

Dialkyl-β-naphthyl phosphites. Gil'm Kamai, A. S. Khasanov. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:799-801 '63.

PHOSPHORS

Effect of ultraviolet radiation on the temperature dependence of the electroluminescence of the ZnS-Cu, Al phosphor. L. R. Rabotkina, P. S. Litvinova. Izv. vys. ucheb. zav., fiz. no. 3:182-186 '63.

PHOSPHORS—THERMAL PROPERTIES

Thermal stability of F-centers in KCl - Tl, Sr and KCl - Tl, Ca crystal phosphors. V. I. Sidlarenko, F. N. Zaitov, IU. L. Lukantsever. Izv. vys. ucheb. zav.; fiz. no. 5:50-54 '63.

PHOSPHORUS

Phosphorus content of perennial forage grasses in various vegetative stages in Irkutsk District. M. A. Shul'ga. Izv. ISKHI no. 14:53-56 '59.

PHOSPHORUS—ANALYSIS

Determination of ultramicroquantities of cobalt in phosphorus by a kinetic method [with summary in English]. V. M. Peshkova, L. F. Dolmanova, N. M. Semenova. Zhur. anal. khim. 18 no. 10:1228-1232 O '63.

PHOSPHORUS IN THE BODY

Changes in the calcium and inorganic phosphorus of the blood in patients with acute myocardial infarct developing after coronary thrombosis [with summary in English]. A. D. Khetagurov. Terap. arkh. 35 no.5 15-20 My '63.

PHOSPHORUS ISOTOPES

Some features of phosphorus distribution in corn during the development of reproductive organs V. G. Zemskii. Dokl TSKHA no. 47,103-108 '59.

PHOSPHORUS ISOTOPES—PHYSIOLOGICAL EFFECT

Biological effect of radioactive phosphorus on the osteogenic capacity of an injured osseous organ. A. A. Kiavchenko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:347-354 '59.

Morphological changes in the lymphatic nodes under the influence of a constant source of ionizing radiation (P-32) on the organism; a preliminary report. D. V. Ignatov, A. G. Petrenko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15,355-358 '59.

State of nonspecific immunity in dogs in intraosseous introduction of the isotope P-32. Report No. 1. Phagocytic activity of the blood. M. L. Svetlova. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 359-363 '59.

PHOSPHORUS METABOLISM

Changes in phosphorus and calcium metabolism and transformations in the bones in nephropathies in children [with summary in English]. I. N. Usov. Pediatriia 41 no. 7,47-50 Jl '63.

Characteristics of some aspects of phosphorus and nitrogen metabolism in patients with cerebral spastic paralysis. L. I. Volokhonskaia, E. P. Mezhenina. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 73-77 '59.

PHOTOCHEMISTRY

Two-quantum photochemistry. Proof of the second-triplet state molecules participating in the reaction. Kh. S. Bagdasar'ian, Z. A. Sinitsyna, V. I. Muromtsev. Dokl. AN SSSR 153 no. 2,374-376 N '63.

PHOTOCONDUCTIVITY

Selective inertness of a p-n junction at deep-seated zinc levels in silicon. B. V. Kornilov. Fiz. tver. tela 5 no. 11:3331-3332 N '63.

PHOTOCOPYING PROCESSES

Calculating the control characteristics of an amplitude-type photocopying system. IU. V. Kurlovich. Trudy VNIIAvtogen no. 9:3-18 '63.

PHOTOELECTRIC CELLS

Determination of the optimum parameters of an uncooled antimony-indium photocell. I. A. Voitekhovskaia, G. I. Rekalova, P. M. Khronova. Izv. LETI no. 47:316-334 '62.

Kropotov, A. I. [Photocell pickups in control equipment of chemical industries] Fotoelementy - datchiki v priborakh kontrolia khimicheskikh proizvodstv. Leningrad, 1963. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Serila: Pribory i elementy avtomatiki, no. 19)

PHOTOELECTRIC MEASUREMENTS

Automatic photoelectronic scales. G. I. Sapunov, V. V. Samik, L. F. Roiak. Ogneupory 28 no. 11:495-497 '63.

Device for measuring weak luminous fluxes. Prib. i tekh. eksp. 8 no. 4:195 Jl-Ag '63.

Photoelectric methods of continuous control of concentrations of suspended matter. E. I. Novikov. Sbor. trud. VNIIstrommasha no. 2:81-120 '60.

Use of light guides for photoelectric measurements on semiconductors. A. A. Meier. Zav. lab. 29 no. 11:1329-1331 '63.

Use of the FES-1 photoelectric flaw detector at the Chelyabinsk Metallurgical Plant. G. A. Subbotina, L. P. Manzhosov. Zav. lab. 29 no. 11:1396-1396 '63.

PHOTOELECTRIC MULTIPLIERS

Electron multiplier tube with magnetic focusing for a high-speed mass spectrometer with separation of ions in flight. N. S. Belov and others. Prib. i tekh. eksp. 8 no. 4:118-119 Jl-Ag '63.

Measurement of unlocking time in photomultipliers. E. I. Sirotinin. Prib. i tekh. eksp. 8 no. 4:122-124 Jl-Ag '63.

Methods of study and stability of louver-type photomultipliers. G. S. Vil'grube and others. Prib. i tekh. eksp. 8 no. 5:167-172 S-O '63.

Selecting the optimum feeding conditions for FEU-33 and FEU-36 photomultipliers. V. V. IAkushin, IU. IA. Tel'nov. Prib. i tekh. eksp. 8 no. 4:120-122 Jl-Ag '63.

Susceptibility of photomultipliers to X rays and gamma rays. M. I. Arseev, N. E. Sulimova, K. I. Shchekin. Prib. i tekh. eksp. 8 no. 4:124-127 Jl-Ag '63.

PHOTOELECTRIC MULTIPLIERS—NOISE

Study of single-electron noises in photomultipliers. A. N. Pertsev, A. N. Pisarevskii, L. D. Soshin. Prib. i tekh. eksp. 8 no. 5:173-176 S-O '63.

PHOTOELECTRICITY

Photoelectric and secondary-emission properties of composite photocathodes. A. A. Mostovskii, O. B Vorob'eva, G. B. Stuchinskii. Fiz. tver. tela 5 no. 11:3325-3327 N '63.

Photoelectric method of spectral analysis of solutions [with summary in English]. G. I. Zhuravlev, L. I Ryzhkova. Zhur. anal. khim. 18 no. 6,930-936 Ag '63.

PHOTOGRAPH COLLECTIONS

History of a country in photographs. V. L'vov Sov. foto 23 no 11:24-25 N '63.

PHOTOGRAPHIC EMULSIONS

Activation of the chromium hardening of emulsion layers. S. M. Levi, M. I. Bairo. Trudy NIKFI no. 51 95-98 '62.

Analyzing the spectral reflecting characteristics of natural formations in order to select the optimum zones of sensitization of the sensitive layers. S. M. Solov'ev, A. L. Staroselskii. Trudy NIKFI no. 51:104-119 '62.

Effect of polyethylene glycols on the sensitivity of photographic emulsions. A. M. Churaeva, A. I. Rybnikova. Trudy NIKFI no. 51:10-19 '62.

Hardening properties of compounds containing methylol (N-hydroxymethyl) groups. S. M. Levi, O. K. Smirnov. Trudy NIKFI no. 51:80-94 '62.

Investigating the hardening of emulsion layers with diacetyl. S. M. Levi, IU. B. Vilenskii. Trudy NIKFI no. 51:98-103 '62.

Investigating the hardening of photographic emulsions. Part 1: Hardening with chromium acetate. V. L. Zelikman. Trudy NIKFI no. 51:39-50 '62.

Investigating the hardening of photographic emulsions. Part 2: Hardening with chromo-potassium alums. V. L. Zelikman. Trudy NIKFI no. 51:51-57 '62.

Investigating the hardening of photographic emulsions. Part 3: Hardening with formalin. V. L. Zelikman. Trudy NIKFI no. 51:58-63 '62.

Investigating the hardening of photographic emulsions. Part 4: Hardening with phlorogiucinol formaldehyde. V. L. Zelikman. Trudy NIKFI no. 51:64-79 '62.

Investigation in the field of the application of wetting agents in the coating of films with photographic emulsions. S. M. Levi, O. K. Smirnov. Trudy NIKFI no. 51: 20-35 '62.

PHOTOGRAPHIC INTERPRETATION

Akademiia nauk SSSR. Laboratoriia aerometodov. [Methods of aerial photo interpretation in forest inventories] Metody deshifrirovaniia lesov po aerosnimkam. Moskva, Izd-vo Akad. nauk SSSR, 1963. 138 p.

PHOTOGRAPHIC SENSITOMETRY

Relationship between the sensitivity numbers determined by various criteria (with summary in English on p. 95). E. D. Kateenelenbogen, G. S. Baranov, I. I Shal'nov. Tekh. kino i telev. 7 no. 11:16-23 N '63.

Relationship between the sensitivity of the photographic layer and the average size of the emulsion grains. V. A. Bokunov, K. V. Vendrovskii, O. V. Piasetskaia. Trudy NIKFI no. 51:5-9 '62.

PHOTOGRAPHIC SURVEYING

Electric calculating device for formulas of terrestrial stereoscopic surveying. A. S. Kislitsyn, G. P. Kudriavtsev. Trudy MIIZ no. 10:157-162 '60.

PHOTOGRAPHY

Let's talk about your photographs: The role of the plan in the taking of pictures. L. Sheistennikov Sov foto 23 no. 11:43-45 N '63.

The techniques of photography Sov. foto 23 no 11:30-36 N '63.

PHOTOGRAPHY—DEVELOPING AND DEVELOPERS

Equipment for developing photographic layers. R. S. Karpenko, G. G. Nikitenko. Poligr. proizv. no. 10,22-23 O '63.

Stabilizing the developed image on films. K. R. IAnson. Poligr. proizv. no. 10:23-24 O '63.

Use of 1-phenyl-3-pyrazolidon (phenidone) for the development of positive films. V. L. Abritalin. Trudy NIKFI no. 51:120-127 '62.

PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

The amateur photographer's page. The speed regulator. E. Zeiger. Sov. foto 23 no. 11:38 N '63.

Through the pages of foreign periodicals: Calculator for macrophotography. Sov foto 23 no. 11:41 N '63

PHOTOGRAPHY--EXHIBITIONS

Go forward. E. Kravchuk. Sov. foto 23 no. 11:8-12 N '63.

Photographic exhibition in Sevastopol R. Vail' Sov. foto 23 no. 11:18-22 N '63.

Results of the 2d international contest. "For a socialist photographic art" (Czechoslovakia). Sov foto 23 no. 11:28-29 N '63.

'Through Yugoslavia;" a photographic exhibition at the House of Friendship. Sov. foto 23 no. 11:27 N '63

PHOTOGRAPHY—SCIENTIFIC APPLICATIONS

Information bulletins of the Scientific Research Institute of Motion Pictures and Photography. Tekh. kino i telev. 7 no. 10:92 O '63.

PHOTOGRAPHY, AERIAL

Analyzing the spectral reflecting characteristics of natural formations in order to select the optimum zones of sensitization of the sensitive layers. S. M. Solov'ev, A. L. Staroselskii. Trudy NIKFI no. 51:104-119 '62.

PHOTOGRAPHY, BIOLOGICAL

Photography of plaques K L Val'dman Vop. virus. 8 no 2 239-240 Mr-Ap '63

Sindkov, N. I. [Courageous amateur photographer] Smelyi fotookhotnik. Leningrad, Detgiz, 1963. 206 p.

PHOTOGRAPHY, ELECTRONIC

Photoelectric characteristics of selenium layers during recording from electron beam tubes (with summary in English on p. 95). IU. E. Karpeshko. Tekh. kino i telev. 7 no. 10,45-46 O '63.

PHOTOGRAPHY, JOURNALISTIC

Year's work of a news photographer. R. Grigor'ev Sov. foto 23 no. 11:14-18 N '63.

PHOTOGRAPHY, PARTICLE TRACK

Device for automatic measurement of the coordinates of charged particle tracks recorded on bubble chamber photographs. IU. A. Karzhavin and others. Prib. i tekh. eksp. 8 no. 5 54-60 S-O '63.

Use of a slide rule in determining the energy of neutrons from the paths of recoil protons in a nuclear photoemulsion. B. M. IAkovlev, A. A. IAtis. Izv. vys. ucheb. zav., fiz. no. 3:127-130 '63.

PHOTOGRAPHY, SUBMARINE

Submarine automatic camera. Vokrug sveta no. 11:6 N '63.

PHOTOMETERS

Improving the method for determining the chromaticity of sugar products. S. Z. Ivanov, A. R. Sapronov, V. G. Chernikina. Sakh. prom. 37 no. 11 5-11 O '63.

PHOTOMETRY

Photometric determination of lithium with quinazolinazo, a new reagent [with summary in English]. V. M. Dziomko, S. L. Zelichenok, I. S. Markovich. Zhur. anal. khim. 18 no. 6:937-941 Ag '63.

Photometric determination of titanium in aluminum and molybdenum-based alloys by means of diantipyrylmethane [with summary in English]. L. IA. Poliak. Zhur. anal. khim. 18 no. 6:956-960 Ag '63.

Use of 1-mercaptopropionic acid derivatives in analytical chemistry. Report No. 2: Photometric determination of palladium with p-phenetidide-1-mercaptopropionic acid [with summary in English]. A. I. Busev, A. Nacu. Zhur. anal. khim. 18 no. 10:1233-1238 O '63.

Use of 2-thiobarbituric and barbituric acids for the photometric control of autoxidation processes. N. S. Drozdov, V. P. Krylov. Zav. lab. 29 no. 11:1306-1309 '63.

PHOTOMICROGRAPHY

Structural changes during the heating of SAP [sintered aluminum powder]. A. I. Paisov, G. N. Shlonskii, L. N. Sergeeva. Trudy MATI no. 57,127-134 '63.

PHOTONUCLEAR REACTIONS

Role of structural groups of nucleons in photonuclear reactions involving light nuclei. R. I. Dzhibuti. Izv. vys. ucheb. zav.; fiz. no. 5:124-126 '63.

PHOTONS

Conference on Interactions between High-energy Photons. B. B. Govorkov, A. I. Lebedev. Atom. energ. 15 no. 5: 436-438 N '63.

Theory of bosons with zero rest mass. IU. A. Popov. Izv. vys. ucheb. zav.; fiz. no. 5,3-5 '63.

PHOTOSYNTHESIS

Effect of the light factor on the growth and photosynthesis of Chlorella [with summary in English]. A. M. Stepanova. Vest. LGU 18 no. 21,72-85 '63.

PHOTOTELEGRAPHY

Experimental study of an extrapolation method of impulse noise suppression in facsimile signal reception. M. I. Vinogradov. Izv. vys. ucheb. zav.; radiotekh. 6 no. 5: 569-571 S-O '63.

PHTHALIC ACID

Determination of fluorenone and phthalic acid in the product of vapor-phase oxidation of fluorene [with summary in English]. G. P. Petrenko, G. N. Terent'eva. Zhur. anal. khim. 18 no. 6:1012-1015 Ag '63.

PHTHALOCYANINE

Physicochemical properties of phthalocyanine pigments. Part 1: General characteristics of phthalocyanins. Stability of solid pigments during acid treatment. B. D. Berezin. Izv. vys. ucheb. zav.; khim. i. khim. tekh. 6 no. 5:841-846 '63.

PHYLOGENY

Irregularity of the rate of organ transformation and the principle of the compensation of functions [with summary in English]. N. N. Vorontsov. Zool. zhur. 42 no. 9:1289-1305 '63.

PHYSICAL EDUCATION AND TRAINING

Characteristics of the recuperative period in children and adolescents. V. M. Volkov. Probl. fiz. sporta no. 21:78-81 '61.

Influence of the pursuit of physical exercises on middle-aged and elderly persons. V. E. Aparin. Trudy Ver. med. inst. 47:120-122 '62.

PHYSICAL EDUCATION FOR CHILDREN

Oral stimulation of students' muscle movement. M. I. Stankin. Sov. pedag. 27 no. 9:74-78 S '63.

PHYSICAL FITNESS

(see also Rakvere) subdivision under Lvov Province; Omsk; Analysis of L. I. Stolova. data on the state of health of young athletes. Probl. fiz. sporta no. 2:250-259 '61.

Medical observations of the state of health of boarding school children. T. A. Tretilova. Probl. fiz. sporta no. 22:258-269 '61.

PHYSICAL GEOGRAPHY

(see also Nikol'sk District, Vologda Province; Ural Mountains)

Geographical zonality and polar antisymmetry. V. B. Sochava. Izv. AN SSSR. Ser. geog. no. 6:122-123 N-D '63.

Karpov, G. V., and A. I. Solov'ev, comps. [Reader on the physical geography of the U. S. S. R.; nature pictures from the works of literary authors, travellers, and scientists] Khrestomatiia po fizicheskoi geografii SSSR; kartiny prirody iz proizvedenii pisatelei, puteshestvennikov i uchenykh. Posobie dlia uchitelia. Moskva, Uchpedgiz, 1963.

PHYSICAL INSTRUMENTS

Apparatus for the determination of free fall acceleration. K. S. Zhigalov. Fiz. v shkole 23 no. 3:59-60 My-Je '63.

Model for illustrating the reflex activity of an organism. M. I. Grinbaum. Fiz. v shkole 23 no. 3:73-79 My-Je '63.

New apparatus. B. P. Kramarov. Fiz. v shkole 23 no. 3:84-87 My-Je '63.

Two instruments for mechanical oscillations and waves. N. L. Bronnikov. Fiz. v shkole 23 no. 3:61-62 My-Je '63.

Zone plate adapted for phase shifts for physical demonstrations. B. Sh. Perkal'skis, V. L. Larin. Izv. vys. uchеb. zav.; fiz. no. 3:188-189 '63.

PHYSICAL LABORATORIES—EQUIPMENT AND SUPPLIES

Equipment for a physics and electrical engineering laboratory in a rural school. V. S. Ivashkin. Fiz. v shkole 23 no. 3:80-83 My-Je '63.

PHYSICAL METALLURGY

[Physical principles of the strength and plasticity of metals] Fizicheskie osnovy prochnosti i plastichnosti metallov. [By] S. D. Gertsriken i dr. Moskva, Metallurgizdat, 1963. 321 p.

PHYSICAL METALLURGY—CONGRESSES

Third Interuniversity Conference on the Strength and Plasticity of Metals. Iu. S. Terminasov. Fiz. met. i metalloved. 16 no. 4:640 O '63.

PHYSICAL OPTICS see Optics, Physical

PHYSICAL THERAPY

Treatment of obliterating endarteritis and obliterating atherosclerosis by a compound conservative method [with summary in English]. L. V. Belavin. Khirurgiia 39 no. 7:125-127 Jl '63.

PHYSICALLY HANDICAPPED—EMPLOYMENT see subdivision under Moscow

PHYSICIANS—EDUCATION

Popov, G. A. [Physicians and the planning of their training] Vrachebnye kadry i planirovanie ikh podgotovki. Moskva, Medgiz, 1963. 225 p.

PHYSICS

Klochkov, V. N. [Physics textbook] Uchebnik fiziki. Izd. 2., perer. i dop. Moskva, Medgiz, 1963. 531 p.

Physical phenomena. A. Mitskevich. Tekh. mol. 31 no. 11:1-2 '63.

What a new textbook on physics should be like. Fiz. v shkole 23 no. 3:54-55 My-Je '63.

PHYSICS—ABSTRACTS

[Physics] Ref. zhur.: Fiz. no. 12 D '63.

PHYSICS—BIBLIOGRAPHY see Bibliography—Physics

PHYSICS—CONGRESSES

568 All-Union Conference on Semiconductors. K. B. Tolpygo, I. B. Levinson. Usp. fiz. nauk 81 no. 3:557-N '63.

Fourth All-Union Conference on the Theory of Elementary Particles. Iu. M. Lomsadze, I. Iu. Krivskii, I. V. Khimich. Izv. vys. uchеb. zav.; fiz. no. 3:190-191 '63.

Intercollegiate Conference on the breakdown of dielectrics and semiconductors. G. A. Vorob'ev. Izv. vys. ucheb. zav.; fiz. no. 3:191-92 '63.

PHYSICS—EXAMINATIONS

Examinations in evening schools. Z. S. Dmitrieva. Fiz. v shkole 23 no. 3:96 My-Je '63.

Examinations in secondary schools. S. S. Lysikhin. Fiz. v shkole 23 no. 3:97 My-Je '63.

Physics examinations in the tenth grade. I. IA. Abarinov. Fiz. v shkole 23 no. 3:98-99 My-Je '63.

Practical work in physics in industrial laboratories. M. G. Kotomina, A. V. Usova. Fiz. v shkole 23 no. 3:43-44 My-Je '63.

Thought and hands. R. Vladimirskii. Znan. sila 38 no. 9:30-33 S '63.

PHYSICS—PHILOSOPHY

Law of the relationship between mass and energy and the problems of the unity of the world. V. Markov. Izv. AN Latv. SSR no. 9:27-32 '63.

Niels Bohr's atomic model and its theoretical significance. A. R. Pozner. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 5:75-80 '63.

Philosophical interpretation of an important problem of physics. V. V. Il'in, A. S. Karmin. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 5:127-132 '63.

Problems of the physics of microcosm in the light of dialectical materialism. S. T. Meliukhin. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 5:74-85 '63.

PHYSICS—PROBLEMS, EXERCISES, ETC.

Grammakov, A. G., ed. [Exercises in physics] Posobie k uprazhneniiam po fizike. Leningrad, Leningr. elektrotekhn. in-t im. V. I. Ul'ianova (Lenina).
Pt. 3. [Optics, atomic physics] Optika, atomnaia fizika. 1963. 107 p.

Student research. P. I. Chubenko. Fiz. v shkole 23 no. 3:71-72 My-Je '63.

PHYSICS—STUDY AND TEACHING

Development of keenness of observation and the extent of participation in extracurricular work. F. IA. Baikov. Fiz. v shkole 23 no. 3:68-70 My-Je '63.

Editor's mail. G. R. Lisenker, A. V. Rotar'. Fiz. v shkole 23 no. 3:100-103 My-Je '63.

Heuristic method of setting up demonstration experiments. P. I. Pogozhev. Fiz. v shkole 23 no. 3:42-43 My-Je '63.

Increasing the efficiency of teaching physics. A. M. Myshliaev. Sov. pedag. 27 no. 11:60-66 N '63.

Kurgan. Gosudarstvennyi pedagogicheskii institut. [Collection of articles on scientific methodology; physics and mathematics faculty] Nauchno-metodicheskii sbornik; fiziko-matematicheskii fakul'tet. Kurgan, 1962. 238 p.

Laboratory setup for determining the heat capacity of a gas at constant pressure (Cp) using the constant flow method. S. N. Sokolov, G. IA. Nikhamina. Izv. vys. ucheb. zav., fiz. no. 5:179-180 '63.

Physics in the agricultural technical school. E. L. Kuzin. Sred. spets. obr. 10 no. 11:33-36 N '63.

Using textbooks in the ninth grade in the 1963-1964 school year. Fiz. v shkole 23 no. 3:29-37 My-Je '63.

Working with a textbook in a physics class. N. I. Ponomarev. Fiz. v shkole 23 no. 3:83-84 My-Je '63.

PHYSICS—TABLES, ETC.

Independent work of students with tables. A. N. Svetitskii. Fiz. v shkole 23 no. 3:84-87 My-Je '63.

PHYSIOLOGICAL OPTICS see Optics, Physiological

PHYSIOLOGICAL PSYCHOLOGY see Psychology, Physiological

PHYSIOLOGY

Changes in liver and biliary function in chronic colitis. A. IA. Gubergrits. Kaz. med. zhur. no. 5:10-11 S-O '63.

PHYSIOLOGY—RESEARCH

Lange, K. A. [I. P. Pavlov Institute of Physiology of the Academy of Sciences of the U. S. S. R., Leningrad — Pavlovo] Institut fiziologii imeni I. P. Pavlova Akademii nauk SSSR, g. Leningrad — s. Pavlovo. Moskva, Izd-vo Akad. nauk SSSR, 1961. 69 p.

PHYSIOLOGY, PATHOLOGICAL

Characteristics of the shifts of protein fractions of the blood serum in hypoplastic and aplastic states. A. P. Kuchuk. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4:64-70 '60.

PHYTOGEOGRAPHY see subdivision under Caucasus; Turkmenistan; Ural Mountains

PHYTOPATHOGENIC BACTERIA see Bacteria, Phytopathogenic

PIA MATER—DISEASES

Structural changes in the pia mater in fetuses and newborn infants in asphyxia. E. A. Odintsova. Zdrav. Bel. 9 no. 3:36-37 Mr '63.

PIANO—INSTRUCTION AND STUDY

Kogan, G. M. [At the gates of mastery; psychological grounds for success in pianistic work] U vrat masterstva; psikhologicheskie predposylki uspeshnosti pianisticheskoi raboty. Moskva, Sovetskii kompozitor, 1961. 114 p.

PICRIC ACID

Spectrophotometric determination of microimpurities in picric acid and dinitrophenols. G. I. Romantsova. Zav. lab. 29 no. 11:1307-1309 '63.

PICRIC ACID—ABSORPTION SPECTRA

Study of equilibria in nonaqueous electrolyte solutions with the aid of absorption spectra. Part 4. Optical and electrometric studies of picric acid in mixtures of hexane with n-butanol and dioxane with water [with summary in English]. N. A. Izmailov, E. L. Gurevich. Zhur. fiz. khim. 37 no. 9:2048-2053 S '63.

PICROLONIC ACID

Detection of tin in the systematic analysis of cations of the hydrogen sulfide group [with summary in English]. A. Aleksandrov, P. Vasileva-Aleksandrova. Zhur. anal. khim. 18 no. 10:1275-1276 O '63.

PIERS

New, highly efficient petroleum piers. I. Uretskii. Rech. transp. 22 no. 10:41-42 O '63.

PIGEONS

Continuing our discussion; ornithosis. I. I. Terskikh. Zdorov'e 9 no. 10:12-13 O '63.

PIGMENTS

Sulfoxymethylation of pigments. V. F. Borodkin, S. S. Kuznetsov, L. N. Smirnov. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:847-850 '63.

Use of the pulse photolysis method in studying the metastable state of pigments. A. K. Chibisov, A. V. Karlakin. Opt. i spektr. 15 no. 5:636-644 N '63.

PIKE

Characteristics of the growth of pike (Esox lucius L.) [with summary in English]. L. N. Domanevskii. Zool. zhur. 42 no. 10:1539-1545 '63.

A "Shark." Ul. Liaudanskii. Belarus' 20 no. 9:30 S '63.

PILING (CIVIL ENGINEERING)

Distribution of piles in round and polygonal pilework. V. Terletskii. Prom. stroi. i inzh. soor. 5 no. 5:52-53 S-O '63.

Pipe-type diesel hammers are the best pile-driving equipment. B. G. Lyzo. Stroi. i dor. mash. 8 no. 11:2-4 N '63.

Suction boring during erection of bridge pile foundations. P. A. Anatol'evskii, L. V. Gal'perin. Transp. stroi. 13 no. 9:68-70 S '63.

PINE

(see also subdivision under Buzuluk region, Orenburg Province; Murmansk Province)

Minimal tillage for pine plantations in sandy soils [with summaries in English, German, and French]. L. IU. Klinchnikov. Vest. sel'khoz. nauki 8 no. 6:104-107 Je '63.

PINE—DISEASES AND PESTS

(see also subdivision under Arzamas region; White Russia)

Negative effect of the fig insect Blastophagus piniperda on the increment of pine. J. Michalski, Z. Witkovski. Les. khoz. 16 no. 9:50 S '63.

Pests of pine stands and measures for their control. Les. khoz. 16 no. 9:47-49 S '63.

PINE-SHOOT MOTH—BIOLOGICAL CONTROL see subdivision under Caucasus

PINS AND NEEDLES

Piercing of fabrics by the needle of the sewing machine. R. V. Sutormina. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 5:77-83 '63.

PIONEERS (COMMUNIST YOUTH)

Be prepared! Ukraina no. 11:4 Je '62.

Let's stand watch over the nation's property. IUn. tekh. 8 no. 11:3-5 N '63.

"Play in a Pioneer detachment." V. Terskii. Nar. obr. no. 12:122-123 D '63.

Proved by practice. I. Korinman. Nar. obr. no. 9:67-71 S '63.

Taborko, V. A., and E. N. Orlova. [Your pioneer detachment; from the All-Union Conference of Scientific Methodology] Tvoia druzhina; s Vsesoiuznoi nauchno-metodicheskoi konferentsii. [Moskva] Molodaia gvardiia, 1963. 159 p. (Dlia tekh, kto rabotaet s pionerami)

Teacher, Pioneers and Junior Pioneers. I. Malorova, V. Rezvova, E. Sokolova. Nar. obr. no. 12:77-84 D '63.

Training of high moral qualities within the Pioneer organization. T. E. Konnikova. Sov. pedag. 27 no. 9:24-40 S '63.

Twelve-year-old teachers. A. Muzyria. Mol. komm. no. 9:81-83 S '63.

Without extremes. IU. Kastorskii. Nar. obr. no. 9:79-84 S '63.

PIONEERS (COMMUNIST YOUTH)—PERIODICALS

For the adults with a red tie. V. Taborko. Komsom. zhizn' no. 18:16 S '63.

PIPE

Stressed state of a pipe under the action of uniform internal pressure and a longitudinal force at high plastic deformations. S. A. Bocharova. Rasch. na prochn. no. 9 195-218 '63.

PIPE—CLEANING

Cyclic washing of pipe conduits and equipment of mayonnaise plants. K. V. Bakaldina. Masl.-zhir. prom. 29 no. 10 35-36 O '63.

Technical and economic analysis of the efficiency of machines for cleaning pipes with a diameter of 720 and 820 mm. B. S. Sidorov. Trudy VNIIST no. 14:164-168 '62.

PIPE—TRANSPORTATION

Study of the efficiency of using transportation facilities for moving pipes. B. N. Semenov, B. S. Sidorov. Trudy VNIIST no. 14.114-123 '62.

PIPE, ALUMINUM

Economic effectiveness of using pipes made from aluminum alloys in pipeline construction. IA. M. Kuperman, N. Z. Rubinov. Trudy VNIIST no. 14.95-104 '62.

PIPE, CAST-IRON

Pipes of the high-strength cast iron. S. Zatulovs'kyi, M. TSyn. Nauka i zhyttia 13 no. 10:22-23 N '63.

PIPE, CAST-IRON—DEFECTS

Avoiding defects in cast iron pipe. A. N. Smoliakov, V. G. Shifan. Lit. proizv. no. 10 10-11 O '63.

PIPE, PLASTIC

Use of pipe drainage in the Netherlands. V. N. Gorinskii. Torf. prom. 40 no. 7:32-33 '63.

PIPE, STEEL—DEFECTS

The role of nonmetallic inclusions on the formation of internal laps in pipe. V. S. Konovalov and others. Izv. vys. ucheb. zav., chern. met. 6 no. 10.37-42 '63.

PIPE, STEEL—WELDING

Mastering the production of economical types of welded pipe. N. Rozenfel'd. Metallurg 8 no. 10:26-28 O '63.

Welding gas and petroleum pipeline pipes having a diameter of 529-630 mm. with a bilateral spiral joint. S. L. Mandel'berg, V. E. Lopata, S. E. Semenov, Avtom. svar. 16 no. 10:63-70 O '63.

PIPE BENDING

Economic effectiveness of standardizing bent pipes, deflection and radii angles of pipelines. S. I. Baksheeva. Trudy VNIIST no. 14-84-94 '62.

PIPE MILLS
(see also subdivision under Cholyabinsk; Roman, Rumania)

Determination of the maximum reduction in pipe drawing. V. V. Shveikin, M. B. Bisk. Izv. vys. ucheb. zav.; chern. met. 6 no. 10:89-94 '63.

Mastering the production of economical types of welded pipe. N. Rozenfel'd. Metallurg 8 no. 10:26-28 O '63.

Seminar on pipe drawing on a self-adjusting mandrel. IU. S. Starostin. TSvet. met. 36 no. 10:84-85 O '63.

Young foreman. V. Adamenko. Metallurg 8 no. 10:33 O '63.

PIPE MILLS—EQUIPMENT AND SUPPLIES

Durability of long mandrels in continuous pipe mill operation. A. V. Nikolenko. Metallurg 8 no. 10:31 O '63.

PIPE MILLS—SAFETY MEASURES

Work experience of the commission on labor protection. A. Izmailov, L. Beloiserkovskii. Metallurg 8 no. 10: 34-35 O '63.

PIPELINES

Economic effectiveness of standardizing bent pipes, deflection and radii angles of pipelines. S. I. Baksheeva. Trudy VNIIST no. 14:84-94 '62.

Economic effectiveness of using pipes made from aluminum alloys in pipeline construction. IA. M. Kuperman, N. Z. Rubinov. Trudy VNIIST no. 14:95-104 '62.

Internal potentials for increasing labor productivity in pipeline construction. Trudy VNIIST no. 14:40-54 '62.

New standards for amortization deductions for machinery in pipeline construction. B. S. Sidorov. Trudy VNIIST no. 14:105-113 '62.

Some problems in the establishment of standards for construction materials and new standards for their consumption in pipeline construction. G. I. Kozliakova, M. E. Privalskii. Trudy VNIIST no. 14:69-83 '62.

PIPELINES—ABSTRACTS

[Pipeline transportation] Ref. zhur.: Trub. transp no. 12 D '63.

PIPELINES—COMMUNICATION SYSTEMS

Pol'ster, L. N. [Operation of main gas pipeline communication systems] Ekspluatatsiia sooruzhenii sviazi na magistral'nykh gazoprovodakh. Leningrad, Gostoptekhizdat, 1963. 132 p. (Biblioteka ekspluatatsionnika magistral'nogo gazoprovoda)

PIPELINES—CROSSINGS

Efficiency of building overhead beam structures for pipeline crossings over natural impediments. S. I. Baksheeva. Trudy VNIIST no. 14-124-130 '62.

PIPELINES—HYDRODYNAMICS

Flow of fluid with varying viscosity in a round pipeline. S. K. Aslanov. Izv. vys. ucheb. zav., neft' i gaz 4 no. 12:83-88 '61.

PIPERIDINE, EFFECT OF RADIATION ON

Radiolysis of piperidine studied by means of electron paramagnetic resonance. A. A. Revina, A. P. Podsobliaev. Dokl. AN SSSR 152 no. 3:668-670 S '63.

PIRILEN

Pirilen treatment of hypertension patients [with summary in English]. M. N. Novikova. Vrach. delo no. 11:37-39 N '63

PIRITA (ESTONIA)—VIEWS

Laping, Eero. Pirita. Tallinn, Estonskoe gos. izd-vo, 1963. [14] p. illus.

PISTONS

Increasing the wear resistance of the pistons of a D-50 diesel locomotive engine in the area of the upper grooves. V. A. Kislik, IU. A. Studenok, A. N. Poliakov. [Sbor. trud.] RIIZHT no. 31 226-237 '61.

PITUITARY BODY

Morphological analysis of changes in the neurosecretory elements of the neurohypophysis of white rats during pain stimulation and under the effect of aminazine [with summary in English]. A. L. Polenov, L. IA. Balonov. Probl. endok. i gorm. 9 no. 5:40-46 S-O '63.

Role of the pituitary-adrenal system in the development of symptoms of radiation pathology; review of literature. V. I. Kandror. Probl. endok. i gorm. 9 no. 5:109-117 S-O '63.

PITUITARY BODY—TRANSPLANTATION

Transplantation of the pituitary gland. T. E. Gnilorybov, A. I. Kot. Zdrav. Bel. 9 no. 3 6-8 Mr '63.

PITUITARY BASOPHILISM see Cushing syndrome

PLACENTA

Auscultation of the fetal heart beat as a method of determining the location of the placenta. M. IA. Martynshin. Kaz. med. zhur. no. 5:60-62 S-O '63.

PLACER DEPOSITS—MAPS see subdivision under Yakutia

PLAGUE

Some ecological and geographical characteristics of the natural focuses of plague [with summary in English]. D. I. Bobikov, V. S. Petrov, V. P. Khrustselevskii. Zool. zhur. 42 no. 9:1306-1316 '63.

Those who were the first to die. A. K. Lishina, O. V. Lishin. Fel'd. i akush. 28 no. 8:48-52 Ag '63

PLANCHON, ROGET

Sensitive artist and a true innovator. Sergei IUtkevich. Kul't. i zhizn' 7 no. 11:31-34 '63.

PLANETARIA

Schools and planetariums. Fiz. v shkole 23 no. 3:49-54 My-Je '63.

PLANETS

Asymmetry of the figure of major planets [with summary in English]. Kh. I. Potter, B. N. Strugatskii. Izv. GAO 23 no. 1:145-150 '62.

PLANETS—ATMOSPHERES

Neutral hydrogen in the vicinity of the earth and in interplanetary space. V. G. Kurt. Usp. fiz. nauk 81 no. 2: 249-270 O '63.

PLANETS—OBSERVATIONS

Observations of the moon and major planets with the meridian circle in Nikolaev [with summary in English]. IA. E. Gordon, L. F. Gorel', I. P. Dziuba. Izv. GAO 23 no. 1:74-76 '62.

PLANETS, MINOR—OBSERVATIONS

Comparison of the precision of positions of minor planets obtained at different observatories [with summary in English]. V. A. Sokolova. Izv. GAO 23 no. 1: 187-191 '62.

Positions of minor planets from photographic observations at the Cape Observatory [with summary in English]. V. A. Sokolova. Izv. GAO 23 no. 1:179-183 '62.

Precise positions of minor planets Hebe and Parthenope from photographic observations at Pulkovo [with summary in English]. O. N. Chudovicheva. Izv. GAO 23 no. 1:184-186 '62.

PLANT BREEDING

Akademiia nauk SSSR, Sibirskoe otdelenie. [Apomixy and some new methods of plant breeding] Apomiksis i nekotorye novye metody selektsii rastenii. Novosibirsk, 1963. 146 p.

PLANT CELLS AND TISSUES

Ectodesmata in plants injured by phytopathogenic fungi. K. T. Sukhoriukov, IU. M. Plotnikova. Dokl. AN SSSR 152 no. 3 758-760 S '63.

PLANT COMMUNITIES see subdivision under Kustanay Province

PLANT CUTTINGS

Sizing and cutting apparatus for preparing poplar cuttings. M. A. Attikov. Les. khoz. 16 no. 9:55-57 S '63.

PLANT LICE—EXTERMINATION see subdivision under Armenia

PLANT PHYSIOLOGY

Reductive amination of pyroracemic, oxalacetic and oxypyroracemic acids in plants. V. L. Kretovich, Z. S. Bronovitskaia, T. I. Kariakina. Dokl. AN SSSR 152 no. 5:1247-1249 O '63.

PLANTERS (AGRICULTURAL MACHINERY)

New scientific discoveries and technological innovations. Rab. i sial. 39 no. 11:17 N '63.

PLANTS—CHEMICAL ANALYSIS

Characteristics of the root systems and the ash content of some plant associations of Kustanay Province. M. E. IAkovleva. Dokl. TSKHA no. 47:215-225 '59.

Nitrogen and ash content of meadow vegetation in the floodlands of the Klyaz'ma River. L. N. Bykova, N. G. Zyrin. Poim. poch. rus. rav. no. 2.77-101 '63.

Studying the mineral nutrition of apple seedlings by the chemical analysis of tissues [with summaries in English, German, and French]. A. A. Bondarenko. Vest. sel'khoz. nauki 8 no. 6:128-132 Je '63.

PLANTS—FROST RESISTANCE

Effect of soil properties and fertilizers on the winter hardiness of alfalfa and the biochemical processes in it. N. S. Avdonin, V. V. Oglezneva. Vest. Mosk. un. Ser. 6. Biol., pochv. 18 no. 4:57-68 Jl-Ag '63.

PLANTS—RESPIRATION

Effect of malonic acid on the respiration and the transformation of organic acids in onions [with summary in English]. A. N. Panteleev, L. B. Zhukov. Vest. LGU 18 no. 21:65-71 '63.

PLANTS—WATER REQUIREMENTS

Mechanism of water absorption by plant roots. R. K. Saliaev. Dokl. AN SSSR 152 no. 5.1253-1255 O '63.

PLANTS, EFFECT OF ARIDITY ON

Some peculiarities of the formation of the male gametophyte in barley under the conditions of soil drought. V. V. Anikiev. Dokl. AN SSSR 152 no. 5:1250-1252 O '63.

PLANTS, EFFECT OF GAMMA RAYS ON

Gamma irradiation of seeds before sowing increases the resistance of winter wheat to smut [with summaries in English, German, and French]. M. M. TSymbal, V. A. Chizh. Vest. sel'khoz. nauki 8 no. 6:55-57 Je '63.

Study of the chemical composition of corn plants grown from irradiated seeds under different climatic conditions [in Armenian with summary in Russian]. V. S. Pogosian. Izv. AN Arm. SSR. Biol. nauki 16 no. 10.41-50 O '63.

PLANTS, EFFECT OF IODINE ON

Some results of the iodination of farm crops. K. Nurmagambetov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:38-43 S '63.

PLANTS, EFFECT OF LIGHT ON

Characteristics of irradiation sources for vegetable seedlings. V. M. Leman, O. S. Faniulov. Dokl. TSKHA no. 47.95-102 '59.

PLANTS, EFFECT OF MALONIC ACID ON

Effect of malonic acid on the respiration and the transformation of organic acids in onions [with summary in English]. A. N. Panteleev, L. B. Zhukov. Vest. LGU 18 no. 21:65-71 '63.

PLANTS, EFFECT OF PHOSPHORUS ON

Effect of superphosphate on the yield of spring wheat and its resistance to lodging. A. V. Peterburgskii, Kh. P. Pekel'o. Dokl. TSKHA no. 47:29-33 '59.

PLANTS, EFFECT OF SOIL MOISTURE ON

Effect of soil moisture on the diurnal rhythms of movement in Perilla ocymoides. B. S. Moshkov, E. I. Ermakov, P. A. Degtiarev. Dokl. AN SSSR 153 no. 2:477-480 N '63.

PLANTS, EFFECT OF TEMPERATURE ON

Effect of the temperature conditions at the beginning of the winter of 1960-1961 on woody plants in Leningrad. N. N. Bulygin. Mat. po fen. no. 2:15-19 '61

PLANTS, EFFECT OF ZINC ON

Effect of zinc on the synthesis of ascorbic acid by plants. E. G. Karpova. Izv. IGKhI no. 11:36-44 '58.

PLANTS, FLOWERING OF

Effect of various types and amounts of fertilizers on the flowering of winter wheat [with summaries in English, German, and French]. P. F. Sekun. Vest. sel'khoz. nauki 8 no. 6:13-17 Je '63.

PLANTS, POTTED

Advice on family affairs and in home economics. Pchelovod 39 no. 9 27 S '63.

PLANTS, SEX IN

Dzhaparidze, L. I. [Sex in plants] Pol u rastenii. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR.
Pt. 1. [History of the problem. Sexual dimorphism. Evolution of sex] Istoriia voprosa. Polovoi dimorfizm. Evoliutsiia pola. 1963. 305 p.

Some peculiarities of the formation of the male gametophyte in barley under the conditions of soil drought. V. V. Antiklov. Dokl. AN SSSR 152 no. 5:1250-1252 O '63.

PLASMA (IONIZED GASES)

Artsimovich, L. A. [Elementary plasma physics] Elementarnaia fizika plazmy. Moskva, Gosatomizdat, 1963. 191 p.

Collision integral for a plasma [with summary in English]. V. P. Silin. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4:702-705 '63.

Damping of electromagnetic waves in a plasma placed in an inhomogeneous dielectric. V. IA. Eidman. Izv. vys. ucheb. zav.; radiofiz. 6 no. 1:852-853 '63.

"Decay" type of wave instability in plasma wave guides. A. N. Kondratenko. Zhur. tekh. fiz. 33 no. 11:1307-1309 N '63.

Deceleration by radiation damping of a charge moving in a plasma situated in a magnetic field. E. G. Larionsev, V. D. Shafranov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4:850-852 '63.

Diffusion break-up of a plasma in a magnetic field in the presence of nonlinear effects. G. A. Grinberg. Zhur. tekh. fiz. 33 no. 12:1430-1443 D '63.

Effect of a strong magnetic field on the magnetohydrodynamic stability of a plasma and the confinement of charged particles in a "Tokamak" apparatus. E. P. Gorbunov, Ia. A. Razumova. Atom. energ. 15 no. 5: 363-370 N '63.

Effect of the Hall current on a rotating plasma in mutually opposed fields. E. M. Drobyshevskii. Zhur. tekh. fiz. 33 no. 11:1338-1343 N '63.

Electromagnetic waves in an inhomogeneous medium permeated by a plasma stream [with summary in English]. V. IA. Eidman. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4:709-714 '63.

Excitation of electromagnetic waves in a plasma by an ion beam. V. B. Krasovitskii, K. N. Stepanov. Izv. vys. uchcb. zav.; radiofiz. 6 no. 5:1056-1059 '63.

Ion wind effect on the rotation of a plasma in mutually opposed fields. K. V. Donskoi, E. M. Drobyshevskii, F. V. Nazarov. Zhur. tekh. fiz. 33 no. 11:1328-1332 N '63.

Kinetics of waves in a plasma. G. I. Suramlishvili. Dokl. AN SSSR 153 no. 2:317-320 N '63.

Konferentsiia po fizike plazmy i probleme upravliaemogo termoiadernogo sinteza, 2d, Kharkov, 1960. [Plasma physics and the problem of controlled thermonuclear synthesis] Fizika plazmy i problemy upravliaemogo termoiadernogo sinteza; doklady. Kiev, Izd-vo Akad. nauk USSR.
No. 2. 1963. 343 p.

Konstantinov, B. P., ed. [Theory of plasma] Diagnostika plazmy; sbornik statei. Moskva, Gosatomizdat, 1963. 301 p.

Lower frequency limit of the high-frequency quasi-potential in a helium or krypton plasma [with summary in English]. K. S. Golovanivskii, A. A. Kuzovnikov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 5:964-972 '63.

Magnetic field disturbances around a body moving in a plasma. L. P. Pitaevskii. Geomag. i aer. 3 no. 6:1030-1042 N-D '63.

Method for measuring the energy and mass spectrum of the ion component of a moving plasma. A. A. Kalmykov and others. Prib. i tekh. eksp. 8 no. 5:142-145 S-O '63.

One characteristic of plasma heating in toroidal systems. G. V. Skornisakov. Zhur. tekh. fiz. 33 no. 12:1477-1478 D '63.

Ogovets, S. M. [Dynamic stabilization of a plasma filament] Dinamicheskaia stabilizatsiia plasmennogo vitka. Moskva, In-t atomnoi energii, 1959. 10 p.

Ostroumov, G. N. [Taming of the sun] Priruchenie solntsa. Moskva, Izd-vo "Izvestiia," 1962. 130 p. (Biblioteka "Izvestiia")

Podgornyi, I. M., and V. N. Sumarokov. [Injection of plasma clots into a magnetic trap with a field growing stronger toward the periphery] Inzhektsiia sgustkov plasmy v magnitnuiu lovushku s polem, vozrastaiushchim k periferii. Moskva, In-t atomnoi energii AN SSSR, 1960. 14 p.

Relation between the electron and gas temperatures in a positive gas discharge column. D. B. Gurevich, I. V. Podmoshenskii. Opt. i spektr. 15 no. 5:587-594 N '63.

Resonance radiation from a charge moving near a plasma clot [with summary in English]. G. V. Gorodinskii, V. V. Tamoikin. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4:721-726 '63.

Structure of the disturbed zone in the vicinity of a large charged body in a plasma. A. V. Gurevich. Geomag. i aer. 3 no. 6:1021-1035 N-D '63.

Studying a plasma on a traveling wave setup. N. A. Borzunov and others. Dokl. AN SSSR 152 no. 3 581-584 S '63.

Theory of weakly turbulent plasma. V. I. Karpman. Dokl. AN SSSR 152 no. 3:587-590 S '63.

Use of the resonator method in studying the break-up of a plasma in a magnetic field. A. I. Anisimov, N. I. Vinogradov, V. E. Golant. Zhur. tekh. fiz. 33 no. 11 1370-1377 N '63.

We are close to the solution of this mystery. Petro Pokhodzilo. Ukraina no. 11:10-11 Je '62.

PLASMA (IONIZED GASES)—ANALYSIS

Use of probing methods in plasma research. IU. M. Kagan, V. I. Perel'. Usp. fiz. nauk 81 no. 3:409-452 N '63.

PLASMA (IONIZED GASES)—ELECTRIC PROPERTIES

Electrodynamic properties of nonstationary plasma [with summary in English]. V. N. Lugovoi. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4:695-701 '63.

Measuring the electroconductivity of gas jets. L. P. Poberezhskii. Zhur. tekh. fiz. 33 no 12:1469-1473 D '63.

Measuring the speed and electroconductivity of ionized gas flows. L. P. Poberezhskii. Zhur. tekh. fiz. 33 no. 12:1464-1469 D '63.

PLASMA (IONIZED GASES)—SPECTRA

Resonance broadening of spectral lines and its use in determining the concentration of neutral atoms in an arc discharge plasma. L. I. Grechikhin. Dokl. AN BSSR 7 no. 5:313-316 My '63.

PLASMA OSCILLATIONS

Cyclotron oscillations of a low-pressure inhomogeneous plasma [with summary in English]. A. A. Rukhadze. Izv. vys. ucheb. zav.; radiofiz. 6 no. 5:928-931 '63.

Induction of low-frequency oscillations in a magnetoactive plasma by a flux of charged particles. D. G. Lominadze, K. N. Stepanov. Zhur. tekh. fiz. 33 no. 11. 1311-1314 N '63.

Instabilities in the system plasma-radially bounded particle beam [with summary in English] V. G. Makhan'kov. Izv. vys. ucheb. zav., radiofiz. 6 no. 5: 941-945 '63.

Ionic oscillations in a molecular plasma. A. V. Bogdanov. Zhur. tekh. fiz. 33 no. 11:1366-1369 N '63.

Low-frequency oscillations of a cold magnetoactive plasma in a gravitational field [with summary in English]. E. E. Lovetskii, A. A. Rukhadze. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4:715-720 '63.

PLASMODIUM

Independent coexistence of Plasmodium vivax strains with long and short incubation periods [with summary in English]. P. G. Sergiev, N. A. Tiburskaia. Med. paraz. i paraz. bol. 32 no. 5:576-580 S-O '63.

PLASTER CASTS, SURGICAL

Treatment of adduction fractures of the surgical neck of the arm with an abduction plaster cast. P. I. Poliakov. Vest. khir. 91 no. 7:99-102 Jl '63.

PLASTERING

I. D. Uriupin, instructor of advanced work methods, tells us about his work experience. V. I. Uglitskii, V. F. Saranchukov. Transp. stroi. 13 no. 9:40-41 S '63.

PLASTIC FOAM

Bulatov, G. A. [Plastic foams used in airplane manufacture] Penoplasty v aviatsionnoi tekhnike. Pod red. B. I. Loseva. Moskva, Voenizdat, 1963. 93 p. (Za voenno-tekhnicheskie znaniia)

PLASTIC PIPE see Pipe, Plastic

PLASTIC SURGERY see Surgery, Plastic

PLASTICITY

Evaluating the industrial plasticity of a metal by torsion of the specimen at high temperatures. E. A. Kurganova, N. I. Nistratov, L. A. Ermoliuk. Sbor. trud. TSNIICHM no. 32:175-181 '63.

Tomlenov, A. D. [Mechanics of metal-shaping processes] Mekhanika protsessov obrabotki metallov davleniem. Moskva, Mashgiz, 1963. 234 p.

PLASTICS

Fillers for plastics. L. V. Peveznev. Trudy IGEM no. 95 93-97 '63.

Lectures on polymers are given by a mechanical engineer. S. K. Abramov. Vest. vys. shkol. 21 no. 11,41-13 N '63.

Make wider use of plastics in the perfumery and cosmetics industry. L. M. Tovbin. Masl.-zhir. prom. 29 no. 11 9-11 N '63.

Navigators of the new era. L. Bobrov. Mol. komm. no. 9 71-75 S '63.

Representatives of plastics. V. Pavlov Ogonek 41 no. 50 6-7 D '63.

Review of the textbook "Technology of plastics" by E. A. Bratsykhin, I. G. Filatov. Sred. spets. obr. 10 no. 11 58-60 N '63.

Rodin, B. I. [Technical and economic problems in the introduction of new materials to the machinery industry] Tekhniko-ekonomicheskie problemy vnedreniia novykh materialov v mashinostroenie Moskva, 1963 109 p (Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. Seriia VII. Ekonomika i spetsializatsiia mashinostroeniia. Organizatsiia proizvodstva, no 81)

Sand cleans gasoline; plastics instead of boring, motor-truck without a body. A. Stroganov. Izobr. i rats. no. 11 13, 36 '63.

"Stavinil," a new promising combined material. V. N. Kestel'man, V. P. Ivashkevich. Plast. massy no. 11:60-61 '63.

Synthetic materials for the finishing and equipment of ship accomodations. V. S. Antonenko. Sudostroenie 29 no. 10.78-79 O '63.

Use of plastics in the manufacture of sewing machine parts. A. E. Plotnikov. Shvein. prom. no. 5 24-26 S-O '63.

Vukolov, L. A., and V. K. Uspenskii. [Control of block and disk brakes with blocks and disks made from composition materials] Upravlenie kolodochnymi i diskovymi tormozami s kolodkami i nakladkami iz kompozitsionnogo materiala. Moskva, Transzheldorizdat, 1963 20 p. (Dostizhenila nauki i tekhniki v proizvodstvo)

PLASTICS—CONGRESSES

All-Union Conference on Polystyrene Plastics. Plast. massy no. 11:74 '63.

PLASTICS—EXHIBITIONS

Exhibition of Achievements of the National Economy of the U. S. S. R. Plast. massy no. 11:73-74 '63.

PLASTICS—MOLDING

Investigation of the basic technological parameters of polystyrene injection molding with precompression of a molten material. N. I. Basov, IU. V. Kazankov, L. I. Felipchuk. Plast. massy no. 11:23-29 '63.

Transfer molding of collectors made of thermosetting plastics. A. D. Sokolov. Plast. massy no. 11 29-31 '63.

PLASTICS—TESTING

Apparatus for determining the hardness of plastic thin-layer coatings and bushings. N. IA. Kestel'man, V. N. Kestel'man. Zav. lab. 29 no. 10 1252-1253 '63.

Effect of water on the mechanical properties of organic glass. B. I. Panshin and others. Plast. massy no. 11 32-36 '63.

PLASTICS—THERMAL PROPERTIES

Modification of Wick apparatus for determining the thermal stability of plastics. M. D. Frenkel', T. V. Dvorkina, IA. I. Dobin. Plast. massy no. 11:57-58 '63.

PLASTICS—WELDING see subdivision under Warsaw

PLASTICS CUTTING

Optimum design of the cutting tool and turning conditions for machining nonmetallic glass-fiber laminate-type materials. A. V. Rudnev, B. P. Shtuchnyi. Stan. i instr. 34 no. 11:33-35 N '63.

PLASTICS INDUSTRY see subdivision under Armenia; United States

PLASTICS MACHINERY

Capron is born in a centrifuge. A. Skliarskii. Tekh. mol. 31 no. 11,37 '63.

PLATE GLASS see subdivision under Ukraine

PLATE TOWERS

Amount of the initial flow of liquid over a weir downcomer. A. M. Khamdi, IU. K. Molokanov, A. I. Skoblo. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 12,89-94 '61

PLATINUM see subdivision under Ural Mountain region

PLATINUM CATALYSTS

Active centers of platinum adsorption catalysts in ammonia oxidation. V. I. Shekhobalova, N. I. Kobozev. Zhur. fiz. khim. 37 no. 9:2131-2132 S '63.

Entropy of the active complex in the oxidation of sulfur dioxide on a platinum catalyst. G. I. Golodets. Kin. i kat. 4 no. 5:776-779 S-O '63.

PLATINUM CATALYSTS (Continued)

Kinetics of 1, 3-cyclohexadiene dehydrogenation on platinum films in a wide range of temperatures. V. D. IAgodovskii, V. M Griaznov, E. A. Savel'eva. Kin. i kat. 4 no. 5:746-752 S-O '63.

PLATINUM COMPOUNDS

Difference of reactions of geometrically isomeric compounds [PtA_2X_4]. A. A. Grinberg, A. I. Dobroboreskaia. Dokl. AN SSSR 152 no. 3:615-616 S '63.

Instability constants of geometrically isomeric platodiamines. A. A. Grinberg, E. S. Postnikova. Dokl. AN SSSR 153 no. 2:340-341 N '63.

PLATINUM ELECTRODES see Electrodes, Platinum

PLATINUM METALS—CONGRESSES

Sixth Conference on the Analysis of Platinum Metals. N. V. Fedoi enko. Zhur. anal. khim. 18 no. 10:1279-1280 O '63.

PLATTEN, FRITS PETROVICH, 1883-1942

Ivanov, A. E. Frits Platten. Moskva, Gospolitizdat, 1963. 77 p.

PLAY

Forming a children's collective in play. L. Martynova. Doshk. vykh. no. 11:18-21 N '63.

Organizing interpersonal relations in play with rules. L. Artemova. Doshk. vykh. no. 11:3-8 N '63.

Place of play in preparing children for school. IE. Zvolyns'ka. Doshk. vykh. no. 11 30-33 N '63.

Play as a means of the general development of preschool children. Doshk. vykh. no. 11:43-44 N '63.

Training in positive relations among children in role enacting play. V. Bolbat. Doshk. vykh. no. 11:12-17 N '63.

Training of children in mobile play. L. Bobyl'ova. Doshk. vykh. no. 11:26-29 N '63.

PLAYS FOR CHILDREN see Children's plays

PLEKHANOV, GEORGII VLAENTINOVICH, 1856-1918

Chagin, B. A. [G. V. Plekhanov and his role in the development of Marxist philosophy] G. V. Plekhanov i ego rol' v razvitii marksistskoi filosofii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 302 p.

PLETHYSMOGRAPHY

Quantitative analysis of the initial plethysmogram and vascular reflexes to light stimuli. V. V. Zubarev. Vrach. delo no. 11:49-51 N '63

PLEURA—CANCER

Use of radioactive colloidal gold in carcinomatosis of the pleura and peritoneum [with summary in English]. I. IA. Chupin. Vop. onk. 9 no. 7:56-62 '63.

PLEURA—SURGERY

Therapeutic results in extrapleural pneumonolysis. D. I. Prokop'ev, M. G. Kargapolova. Probl. tub. 40 no. 6:101-103 '62.

PLOVERS see subdivision under Kedrovaya Pad' Preserve

PLOWS

Direction of traction lines in mounted plows [with summaries in English, German, and French]. V. I. Lisunov, A. A. Kurilov. Vest. sel'khoz. nauki 8 no. 6:90-92 Je '63.

PLUMBON IREA

Determination of small quantities of lead in natural waters and water extracts from soils using the new Plumbon IREA reagent. E. A. Kiuregian. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 4/5:163-166 '63.

PLURALITY OF WORLDS

Does any rational life in space exist? N. Nolubova. Znan. ta pratsia no. 10:6-8 O '63.

Legends which pass as hypotheses. V. A. Bronshten. Priroda 52 no. 10:90-91 '63.

PNEUMATIC CONTROL

Principle of universal elements in pneumatic control systems. T. K. Berends and others. Priborostroenie no. 11:3-8 N '63.

PNEUMATIC CONVEYING

Studying pneumatic conveying. A. M. Korn. Sbor. rab. GOSNITI no. 16:65-80 [*61].

Vlasov, P. F. [Ventilation, air-conditioning and pneumatic conveying in tobacco factories] Ventiliatsiia, konditsionirovanie vozdukha i pnevmaticheskii transport na tabachnykh fabrikakh. Moskva, Pishchepromizdat, 1963. 155 p.

PNEUMATIC GAUGES

Geometrical parameters of linear pneumatic chokes. IU. I. Ivlichev. Priborostroenie no. 11:15-16 N '63.

PNEUMATIC MACHINERY

Heat of compressed air as a source for increasing the productive capacity of pneumatic machinery. N. N. Kovtiashenko. Izv. vys. ucheb. zav.; energ. 6 no. 9:90-98 S '63.

Use of "KRET" pneumatic diggers. M. B. Spektor. Vest. sviazi 23 no. 10:18-20 O '63.

PNEUMOGASTRIC NERVE see Vagus nerve

PNEUMOMEDIASTINUM

Hazards and complications in special examination of lung diseases [with summary in English]. O. S. Shkrob, V. S. Pomelov. Khirurgiia 39 no. 7 106-112 Jl '63.

Pneumomediastinography in the diagnosis of benign tumors and cysts of the mediastinum. L. N. Tishchenko, T. I. Shraer. Vest. rent. i rad. 38 no. 5:61-62 S-O '63.

PNEUMONIA

Problem of the so-called extrarenal hyperazotemia in pneumonia; experimental research [with summary in English]. Lubomir St. Teodosiev. Arkh. pat. 25 no. 8 53-57 '63.

Proteolytic enzyme treatment of children with chronic pneumonia. M. G. Chukhlovina. Pediatriia 41 no. 7: 26-31 Jl '63.

Reviews. Pediatriia 41 no. 7:83-84 Jl '63.

Role of the X-ray examination in the diagnosis of acute pneumonia in children under one year of age [with summary in English]. L. A. Shvab. Vest. rent. i rad. 38 no. 5 13-18 S-O '63.

Segmental lung lesion in children with chronic pneumonia [with summary in English]. V. A. Platonova. Pediatriia 41 no. 7.21-24 Jl '63.

Significance of methemoglobinemia in the pathogenesis of oxygen insufficiency in pneumonia in children. Report No. 2 [with summary in English]. T. A. Lebedinskaia, A. A. Ananenko. Pediatriia 41 no. 7 32-37 Jl '63.

PNEUMOPERITONEUM, ARTIFICIAL

Pneumogynecography in endocrine diseases. M. I. Santotskii and others. Probl. endok. i gorm. 9 no. 5: 97-100 S-O '63.

Retropneumoperitoneum in the diagnosis of renal and abdominal neoplasms. L. A. Gurvich. Vop. klin. pat. no. 2:136-153 '61.

Role of pneumoperitoneum in surgery of pulmonary tuberculosis. G. G. Abashidze, O. A. Dzhikiia. Probl. tub. 40 no. 6.99-100 '62.

Use of double contrast and pneumoperitoneum in the X-ray examination of patients with resected stomach [with summary in English]. E. G. Fridman. Vest. rent. i rad. 38 no. 5.46-50 S-O '63.

PNEUMOTHORAX

Place of collapse surgery in the treatment of pulmonary tuberculosis [with summary in French]. T. N. Khrushchova. Probl. tub. 40 no. 6:28-31 '62.

Spontaneous pneumothorax during an attack of bronchial asthma in children. N. A. Tiurin, I. A. Kulinich. Pediatriia 41 no. 7:86-88 Jl '63.

Therapeutic results in extrapleural pneumonolysis. D. I. Prokop'ev, M. G. Kargapolova. Probl. tub. 40 no. 6:101-103 '62.

POACHING

A state inspector. A. Verbyk. Ukraina no. 16:30-31 Ag '62.

PODBEL'SKII, VADIM NIKOLAEVICH, 1887-

An outstanding organizer of soviet telecommunications; 75th anniversary of the birth of V. N. Podbel'skii. B. I. Rasin. Vest. sviazi 22 no. 11:28-29 N '62.

PODKAMENNAYA TUNGUSKA VALLEY—METEORITES

Polarization effect caused by the fall of the Tunguska meteorite. G. F. Plekhanov and others. Izv. vys. ucheb. zav.; fiz. no. 5:177-179 '63.

PODOLIAN ECONOMIC REGION—CANNING INDUSTRY

Conference on the future development of the canning and dried vegetables industry of the Podolian Economic Region. I. A. Suslov. Kons. i ov. prom. 18 no. 11:44-45 N '63.

PODOL'SK (MOSCOW PROVINCE)—CORRESPONDENCE SCHOOLS AND COURSES

When theory and practice are interrelated. A. N. Varnavskii. Vest. vys. shkoly 21 no. 11:52-54 N '63.

PODZOL

(see also subdivision under Istra District, Moscow Province; Khanty-Mansiysk National Area)

Change of the organic matter in turf-Podzolic soils after 50 years of farming [with summary in English]. V. E. Egorov, A. M. Lykov. Pochvovedenie no. 10:37-48 O '63.

POE, EDGAR ALLAN, 1809-1849

Edgar Poe, his life and works. N. Elshiskina. Vop. lit. 7 no. 10:206-211 O '63.

POETICS

Valeinis, Vitolds. [Poetics; the elements of literary composition] Poetika; daiidarba elementi. Riga, Latvijas valsts izd-ba, 1961. 311 p. (In Latvian) (MH)

POISONOUS PLANTS

Poisoning of children with the seeds of poisonous plants. K. D. Shumskii Fel'd. i akush. 28 no 8 40-42 Ag '62

POKROVSKII, MIKHAIL NIKOLAEVICH, 1868-1932

M. N. Pokrovskii, an outstanding worker of Soviet education and pedagogics; on the occasion of the 95th anniversary of his birth. Sh. I. Ganelin. Sov. pedag. 27 no. 9 86-95 S '63.

POKRYSHKIN, ALEKSANDR, 1913-

Zhukov, G. A. [One "Mig" from a thousand; a documentary tale] Odin "Mig" iz tysiachi, dokumental'naia povest'. [Moskva] Molodaia gvardiia, 1963. 286 p.

POLAND—ARMED FORCES

Poplavskii, S. G. [Companions in arms] Tovarishchi v bor'be Moskva, Voenizdat, 1963. 260 p. (Voennye memuary)

POLAND—ARMY

The commander ordered.... Edward Frankowski. Sov. voin 45 no. 19:45 O '63.

Participation of the First Polish Army in the Berlin operation. Je. Bordzilowski. Voen.-ist. zhur. 5 no. 10:15-29 O '63.

POLAND—EDUCATION

School reform in the Polish People's Republic. Ferdinand Gerok. Sov. pedag. 27 no. 11.84-85 N '63.

POLAND—HISTORY

Matsko, A. N. [Fight of the workers of Poland and western White Russia against fascism, 1933-1939] Bor'ba trudiashchikhsia Pol'shi i Zapadnoi Belorussii protiv fashizma, 1933-1939 gg. Minsk, Izd-vo Akad. nauk BSSR, 1963. 204 p.

New steps in studying the revolutionary situation of the 1860's in Russia and the kingdom of Poland. L. A. Obushenkova, S. M. Fal'kovich. Ist. SSSR 7 no. 6.203-207 N-D '63.

POLAND—LABOR DISPUTES

Examination of labor disputes in the Polish People's Republic. M. Chasec. Izv. vys. ucheb. zav., prav. 7 no. 3:157-161 '63.

POLAND—MINING RESEARCH

For the good of our Poland. IU. Dudek. NTO 5 no. 11: 59 N '63.

POLAND—MOTION-PICTURE PLAYS

Current quests of Polish motion pictures. I. Rubanova. Vop. kinoisk. no. 7:262-289 '63.

POLAND—RELATIONS (GENERAL) WITH THE UKRAINE

"Friendly cooperation of the Ukrainian S.S.R. with the Polish People's Republic, 1944-1960" by I. F. Evseev. Reviewed by B. S. Popkov. Vop. ist. 38 no. 11:124-125 N '63.

POLAND—RELATIONS (GENERAL) WITH WHITE RUSSIA

Friendship which warms our hearts. I. Charniauski. Belarus' 20 no. 10.25 O '63.

POLAND—REVOLUTION, 1863-1864

[Russian-Polish revolutionary contacts] Russko-pol'skie revoliutsionnye sviazi. Moskva, Izd-vo Akad. nauk SSSR. (Vosstanie 1863 goda, materialy i dokumenty) 1963. 2 v.

POLAND—STATE FARMS

The first communist labor farm. J. Olbrycht. Mezhdunar. zhizn' 10 no. 11:109-110 N '63.

POLAND—STATISTICS

Poland. Glowny urzad statystyczny. [Poland in figures, 1944 to 1961] Pol'sha v tsifrakh, 1944-1961. Warsaw, 1962. 94 p.

POLAND—WORLD WAR, 1939-1945

From the history of Poland during the period of the Second World War. V. Alekseev. Voen.-ist. zhur. 5 no. 10:90-95 O '63.

Poplavskii, S. G. [Companions in arms] Tovarishchi v bor'be. Moskva, Voenizdat, 1963. 260 p. (Voennye memuary)

POLAR REGIONS—GEOLOGY—BIBLIOGRAPHY

New literature on the geology and minerals of the Arctic and Antarctic regions. Inform. sbor. NIIGA no. 30:83-112 '62.

New literature on the geology and minerals of the Arctic and Antarctic regions. Inform. sbor. NIIGA no. 31:84-96 '62.

New literature on the geology and minerals of the Arctic and Antarctic regions. Inform. sbor. NIIGA no. 32:67-84 '62.

POLAR REGIONS—METEOROLOGY—OBSERVATIONS

Leningrad. Arkticheskii i antarkticheskii nauchno-issledovatel'skii institut. [Aerologic observations made by polar stations from January 1 to June 30, 1958] Aerologicheskie nablyudeniia polyarnykh stantsii s 1 yanvaria po 30 iunia 1958 g. Leningrad, Izd-vo "Morskoi transport."
Book 2. 1963. 1342 p. (Its Trudy, vol. 258)

POLAR REGIONS—WEATHER FORECASTING

Trer I and coordination of studies in the field of long-range meteorological forecasting. A. A. Girs. Probl. Arkt. i Antark. no. 14 5-15 '63.

POLARIZATION (ELECTRICITY)

Chemical polarization at high temperatures. A. I. Sotnikov, O. A. Esin, M. P. Nikitin. Dokl. AN SSSR 152 no. 5:1173-1176 O '63.

Continuous spectra of currents in ferroelectric substances near the first frequency harmonic of polarization reversal and the threshold signal of a dielectric amplifier. I. A. Andronova. Izv. vys. ucheb. zav.; radiofiz. 6 no. 5:1060-1062 '63.

Corrosion processes on metals undergoing passivation investigated by superposing anodic polarization. M. B. Cherkez, V. P. Ordin. Zav. lab. 29 no. 11:1341-1343 '63.

Excitation and decay of induced polarization in a capillary medium. V. V. Komilfinev. Izv. AN SSSR, Ser. geofiz. no. 11:1650-1660 N '63.

Sarhatiuk, A. Kh. [Induced polarization of coal] Vyklykana poliarizatsiia vykopnoho vuhillia. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 64 p.

POLARIZATION (LIGHT)

Device for studying the polarization of light. F. S. Agekhin. Izv. vys. uch. zav.; fiz. no. 3:107-108 '63.

POLARIZATION (NUCLEAR PHYSICS)

New spectroscopic method for studying the anisotropy of electron transitions in polar molecules. N. G. Bakshiev. Dokl. AN SSSR 152 no. 3:577-580 S '63.

Polarization properties of fast electron emission with oriented spin in a magnetic field. I. M. Ternov, V. G. Bagrov, R. A. Rzaev. Izv. vys. ucheb. zav.; fiz. no. 5:127-133 '63.

POLAROGRAPHY

Concentration of substances in polarographic analysis. Report No. 1 [with summary in English]. Kh. Z. Brainina. Zhur. anal. khim. 18 no. 10:1169-1177 O '63.

Flame polarography. G. V. Tuov, I. S. Zaretskii. Zav. lab. 29 no. 11:1291-1293 '63.

Polarographic analysis of caramel obtained from saccharose. M. M. Poliachenko, M. I. Barabanov. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:52-54 '63.

Polarographic determination of acetaldehyde in the presence of acrylonitrile [with summary in English]. V. I. Klinov, F. A. Slisarenko, A. V. Finkel'shtein. Zhur. anal. khim. 18 no. 9:999-1002 Ag '63.

Polarographic determination of 1, 3, 5-triphenyl-Δ^2-pyrazoline in plastic scintillators [with summary in English]. G. G. Belous, V. D. Bezuglyi. Zhur. anal. khim. 18 no. 10:1250-1254 O '63.

Polarographic reduction of 2-ethylanthraquinone in dimethylformamide [with summary in English]. E. I. Klabunovskii, N. A. Ezerskaia. Zhur. anal. khim. 18 no. 8:989-993 Ag '63.

Pulse polarographic determination of some aldehydes [with summary in English]. V. I. Bodtu, Iu. S. Lialikov. Zhur. anal. khim. 18 no. 8:1007-1011 Ag '63.

Pulse polarography on solid electrodes. Iu. S. Lialikov, L. G. Madan, V. I. Bodtu. Zav. lab. 29 no. 11:1289-1291 '63.

Rotating disk electrode in the polarography of fused salts [with summary in English]. I. D. Panchenko, G. V. Shilina. Zhur. anal. khim. 18 no. 9:920-923 Ag '63.

Skobets, E. M., and V. D. Skobets. [Derivative polarography] Proizvodnaia poliarografiia. Kiev, Gostekhizdat, 1963. 112 p.

Theory of convective diffusion in the polarography of fused salts. I. D. Panchenko, G. V. Shilina. Ukr. khim. zhur. 29 no. 11:1164-1169 '63.

Vinogradova, E. N., Z. A. Galkina, and Z. M. Finogenova. [Methods of polarographic and amperometric analysis] Metody poliarograficheskogo i amperometricheskogo analiza. [Moskva] Izd-vo Mosk. univ., 1963. 298 p.

POLESYE—SAND DUNES

Paleogeographic conditions of dune formation in Polesya. V. K. Lukashev. Dokl. AN BSSR 7 no. 5:334-338 My '63.

POLESYE—WATER, UNDERGROUND

Water encroachment of Quaternary sediments in the western Pripet Valley portion of Ukrainian Polesye. G. M. Negoda. Geol. zhur. 23 no. 5:76-80 '63.

POLIKARPOVICH, KONSTANTIN MIKHAILOVICH, 1889-1963

K. M. Polikarpovich; obituary. Sov. arkheol. 7 no. 4:284 '63.

POLIOMYELITIS

Antibiotic therapy in infectious bacterial pulmonary processes in poliomyelitis with respiratory disorders [with summary in English]. V. P. Doroshchuk. Antibiotiki 7 no. 10 931-935 O '62.

Distribution and frequency of muscular lesions and deformities in patients with poliomyelitis sequelae. B. A. Pogrebniak. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:65-71 '59.

POLIOMYELITIS—VACCINATION

Poliomyelitis in vaccinated children. V. F. Barchuk. Vrach. delo no. 11, 93-96 N '63

POLIOMYELITIS VIRUSES

Study of the effect of some polyanions on the multiplication of poliomyelitis virus in connection with phenomena of RNA denaturation [with summary in English]. R. I. Salganik, V. P. Tomsons, L. K. Protas. Vop. virus. 8 no. 2 155-159 Mr-Ap '63.

Study of the role of the protein membrane of poliomyelitis virus in the process of penetration of the virus into the cell [with summary in English]. Iu. Z. Gendon. Vop. virus. 8 no. 2 144-150 Mr-Ap '63

POLISH DRAMA—HISTORY AND CRITICISM

Some features of Polish realistic dramaturgy at the end of the 19th and beginning of the 20th century, based on the works of T. Rittner, W. Perzyński, S. Żeromski, and J. Kisielewski. N. Z. Arutiunova-Bashindzhagian. Slav. filol. [Mosk. un.] no. 4 228-270 '63.

POLISH LITERATURE—HISTORY AND CRITICISM

Polish proletarian prose in the twenty years between the two wars, 1918-1939. V. P. Vlodina. Mizhslov. lit. vzaiem. no. 3:260-289 '63.

V. B. Obolevich's monograph "History of Polish literature." L. Ershov. Zvezda no. 5:211-212 My '62.

POLITICAL BALLADS AND SONGS

Story of a revolutionary song. A. Lis. Belarus' 20 no. 11:29 N '63.

POLITICAL PRISONERS
(see also subdivision under Greece)

Women as the friends of peace. Smena 40 no. 12:16-17 Je '63.

POLITICAL SCIENCE

Dictatorship of the imperialist bourgeoisie. V. E. Guliev. Izv. vys. ucheb. zav.; prav. 7 no. 3:23-35 '63.

POLLEN, FOSSIL

Spores and pollens. L. L. Driagina and others. Trudy SNIIGGIMS no. 21:247-260 '62.

POLOTSK—AGRICULTURAL MACHINERY INDUSTRY

Steep steps. L. Davydov. Mest. prom. i khud. promys. 3 no. 9:14-16 S '62.

POLOTSK—CONSTRUCTION WORKERS

The house where we live. N. TSypis. Rab. i sial. 39 no. 11:8-9 N '63.

POLOTSK—INSCRIPTIONS, TURKISH (OLD)

A Tatar Cyrillic inscription from Polotsk. B. A. Rybakov. Sov. arkheol. 7 no. 4:248-249 '63.

POLOTSK—LEATHER—ANALYSIS

Practice in analyzing ancient Polotsk leather. G. V. Shtykhov. Sov. arkheol. 7 no. 4:240-246 '63.

POLOTSK—PETROGLYPHS

Inscriptions on a stone from Polotsk. G. V. Shtykhov. Sov. arkheol. 7 no. 4:246-248 '63.

POLOTSK DISTRICT—SWINE—FEEDING AND FEEDS

In search of dreams. A. Pozniak. Belarus' 20 no. 10:4 O '63.

POLTAVA PROVINCE—AGRICULTURAL ADMINISTRATION

Let us improve the work of standing committees. V. TSvelykh. Rad. pravo no. 6:30-32 N-D '63.

POLTAVA PROVINCE—NAMES, GEOGRAPHICAL

Stryzhak, O. S. [Names of rivers in Poltava Province] Nazvy richok Poltavshchyny. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 110 p.

POLYETHYLENE

Recovery of complex catalysts from dispersions of polyethylene by means of methanol in a rotary apparatus. A. A. Baram and others. Plast. massy no. 11:58-59 '63.

POLYGLOT DICTIONARIES see Dictionaries, Polyglot

POLYHEDRA

Note on adjacent vertices of a convex polyhedron. Iu. A. Shashkin. Usp. mat. nauk. 18 no. 5:209-211 S-O '63.

POLYMERIZATION

Effect of the chemical composition of chromiaaluminosilicate catalysts on their activity and chromium oxide forms. Z. G. Zul'fugarov, G. I. Alimardanov, Z. S. Agamirzoeva. Azerb. khim. zhur. no. 3:76-84 '62.

Evaluation of the initiating activity of peroxides in polymerization reactions. S. S. Ivanchev, A. I. Urzhenko, V. I. Galibei. Dokl. AN SSSR 152 no. 5 1159-1161 O '63.

Investigation of the copolymerization of acenaphthylene and divinylbenzene. V. P. Li, A. B. Pashkov, N. S. Shamis. Plast. massy no. 11 6-7 '63.

Kinetics and the mechanism of 1, 1-diphenylethylene dimerization in aqueous sulfuric acid. Part 2: Kinetic regularities and the reaction mechanism. S. G. Entelis, K. S. Kazanskii. Kin. i kat. 4 no. 5 713-722 S-O '63.

Stereospecific polymerization of trans-1-phenyl-1, 3-butadiene. A. D. Aliev and others. Dokl. AN SSSR 153 no. 2 333-335 N '63.

POLYMERS

Aging and the stabilization of polymers. V. V. Kode. Priroda 52 no. 10:57-61 '63.

Apparatus for measuring stress relaxation of fibers. V. V. Guzeev, IU. M. Malinskii. Zav. lab. 29 no. 11 *1373-1374 '63.*

Determination of the extent of crystallization of polymer films from their specific gravity. N. I. Malinin. Zav. lab. *29 no. 10:1205 '63.*

Determining the moisture bound by adsorption in a monomolecular layer. L. M. Nikitina. Dokl. AN BSSR 7 no. 5:324-325 My '63.

Effect of loading on the supermolecular structure of oriented polymers. S. N. Zhurkov, A. I. Slutsker, A. A. IAstrebinskii. Dokl. AN SSSR 153 no. 2 303-305 N '63.

Effect of tensile stress on molecular mobility in oriented polymers. S. N. Zhurkov, E. A. Egorov. Dokl. AN SSSR 152 no. 5:1155-1158 O '63.

Energy theory of the strength of visco-elastic materials." A. I. Vinogradov, V. G. Andrievskii. Nauch. trudy KHIIT no. 58 109-120 '62.

New method for the production of polypyrazoles. V. V. Korshak, E. S. Krongauz, A. M. Berlin. Dokl. AN SSSR 152 no. 5:1108-1110 O '63.

Phosphorus-containing polymers based on methylphosphines and methylolphosphine oxides. K. A. Petrov, V. A. Parshina, G. M. TSypina. Plast. massy no. 11 11-13 '63.

Proteinlike polymer. V. G. Debabov, V. A. Shibnev. Priroda 52 no. 10:32-35 '63.

Pulse apparatus for measuring the absorption and velocity of ultrasound in polymers. V. D. Gerasimov, G. A. Kuznetsov. Plast. massy no. 11:54-56 '63.

Structure and mechanical properties of "oriented" amorphous linear polymers. L. A. Laius, E. V. Kuvshinskii. Fiz. tver. tela 5 no. 11:3113-3119 N '63.

Study of the effect of some polyanions on the multiplication of poliomyelitis virus in connection with phenomena of RNA denaturation [with summary in English]. R. I. Salganik, V. P. Tomsons, L. K. Protas. Vop. virus 8 no. 2:155-159 Mr-Ap '63.

Synthesis of high-molecular weight polyesters of oxalic acid. V. M. Savinov, L. B. Sokolov. Plast. massy no. 11:65-67 '63.

Synthesis of polymers based on acrolein and phenol. A. B. Stamler, B. E. Geller. Izv. vys. ucheb. zav.; khim. i khim. tekh. *6 no. 5:879-881 '63.*

Tager, A. A. [Physical chemistry of polymers] Fiziko-khimiia polimerov. Moskva, Goskhimizdat, 1963. *528 p.*

Tracer method study of the character of the breakdown of the polymer-substrate adhesive joint [with summary in English]. V. K. Gromov and others. Zhur. fiz. khim. 37 no. 9:2077-2081 S '63.

Use of hydrophilic polymers for the production of the grain layer of artificial leather with a protein fibrous base. G. M. Otopkov, S. A. Pavlov. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 5:37-43 '63.

The use of poroion for plastic surgery of the anterior abdominal wall [with summary in English]. L. S. Vasilenko. Vest. khir. 91 no. 7:51-52 Jl '63.

POLYMERS—ELECTRIC PROPERTIES

Methods of testing the electric properties of thin films of polymeric materials. S. N. Antonov, E. B. Fainshtein. Plast. massy no. 11:48-50 '63.

POLYMERS—TERMINOLOGY

Dictionary of chemical terms. Agitator no. 22:63 N '63.

POLYMERS—*TESTING*

Plotting of empirical dependencies by the method of averaging. O. D. Khlopotov. Zav. lab. 29 no. 10: 1215-1217 '63.

Unit for measuring dynamic parameters of polymer materials. L. M. Lebedev. Izm. tekh. no. 11:16-19 N '63.

POLYMERS, HIGH see Macromolecular compounds

POLYMORPHISM

Polymorphism of certain triglycerides of higher fatty acids and of natural mixtures of triglycerides [with summary in English]. V. M. Vergelesov, A. P. Belousov. Zhur. fiz. khim. 37 no. 9:1995-2000 S '63.

Polymorphism of lanthanum oxide. V. B. Glushkova, E. K. Keler. Dokl. AN SSSR 152 no. 3:611-614 S '63.

POLYMYXIN

Action of polymyxin M in experimental dysenteric intoxication [with summary in English]. A. I. Braude, L. N. Krasnova. Antibiotiki 7 no. 10 916-919 O '62.

Treatment of gastrointestinal diseases of calves with polymyxin. A. F. Safonov, L. A. Afanas'ev, V. M. Petrov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9 59-62 S '63.

POLYNOMIALS

Note on adjacent vertices of a convex polyhedron. IU. A. Shashkin. Usp. mat. nauk. 18 no. 5;209-211 S-O '63.

Some problems concerning the determination of complex roots in polynomials. S. I. Panfilov. Izv. LETI no. 47. 36-45 '62.

Zeroes of orthogonal polynomials. V. S. Videnskii. Dokl. AN SSSR 152 no. 5:1038-1041 O '63.

POLYPROPYLENE

Thermooxidizing degradation of polypropylene in the presence of boric acid esters. E. G. Rozantsev, L. A. Krinitskaia, B. V. Rozynov. Plast. massy no. 11:46-48 '63.

POLYPROPYLENE—SPECTRA

Determination of the degree of isotacticity of polypropylene from its infrared spectra. IU. V. Kissin, V. I. TSvetkova, N. M. Chirkov. Dokl. AN SSSR 152 no. 5:1162-1165 O '63.

POLYPROPYLENE, EFFECT OF RADIATION ON

Effect of ultraviolet light on free radicals in γ-rayed polypropylene. V. K. Milinchuk, S. IA. Pshezhetskii. Dokl. AN SSSR 152 no. 3:665-667 S '63.

POLYSACCHARIDES

Polysaccharides of pathogenic and nonpathogenic strains of Escherichia coli obtained after the removal of complete antigen [with summary in English]. I. IA. Zakhar'eva, S. V. Drobot'ko. Mikrobiol. zhur. 25 no. 5:19-24 '63.

POLYSACCHARIDES—THERAPEUTIC USE

Types of specific allergic skin reactions in patients with foot mycoses [with summary in English]. A. P. Bazyka. Vest. derm. i ven. 37 no. 7:45-49 Jl '63.

POLYZOA see subdivision under Ochrida, Lake

POLYZOA, FOSSIL
(see also subdivision under Altai Mountains; Sayan Mountains)

Phylum Bryozoa. V. B. Trizna. Trudy SNIIGGIMS no. 21:124-143 '62.

PONTECORVO, BRUNO, 1913-

Lenin Prizes of 1963 in the field of physics. Fiz. v shkole 23 no. 3:19-21 My-Je '63.

POPLAR see subdivision under Tatar A.S.S.R.

POPLAR—DISEASES AND PESTS see subdivision under Caucasus, Northern

POPOV, PAVLO MYKOLAIOVYCH, 1890-

Letter to the editor. Rad. lit. 7 no. 6:153 N-D '63.

POPOVICH, PAVEL ROMANOVICH, 1930-

Fourth cosmonaut, Oleksandr Hordiienko. Ukraina no. 17:4-5 S '62.

POPULISM (NARODNICHESTVO)

From the history of the "Trial of the 193 Populists," 1877-1878. K. G. Liashchenko. Ist. arkh. 8 no. 3:214-216 My-Je '62.

Some controversial problems in the history of Russian populism. P. S. Tkachenko. Ist. SSSR 7 no. 6:76-84 N-D '63.

POROUS MATERIALS

Device for determining the structure of porous bodies by the method of mercury impregnation under pressure. M. G. Kaganer. Zav. lab. 29 no. 11:1387-1388 '63.

Dynamics of the extraction of substances from porous materials. M. V. Tovbin, B. S. Radovskii, Z. M. Tovbina. Ukr. khim. zhur. 29 no. 11:1135-1142 '63.

Flame extinction in dry ceramic-metal seals. I. I. Strizhevskii, D. I. Tesmenitskii. Trudy VNIIAviogen no. 9:111-123 '63.

On the capillary impregnation of spherical granules and diffusion extraction while in the stage of capillary impregnation. B. V. Deriagin, M. A. Al'tshuler. Dokl. AN SSSR 152 no. 3:651-654 S '63.

Transient processes in the charging of porous electrodes [with summary in English]. O. S. Ksenzhek. Zhur. fiz. khim. 37 no. 9:2007-2011 S '63.

PORTAL VEIN—SURGERY

Alloplasty of the major veins [with summary in English]. S. S. Mikhailov, I. A. Pis'menov, E. M. Gerasimov. Vest. khir. 91 no. 7:25-33 Jl '63.

Homo- and autoplasty of the portal vein [with summary in English]. A. N. Bedenskii, N. V. Korostovtseva. Vest. khir. 91 no. 7:33-40 Jl '63.

PORTUGAL—COLONIES—AFRICA see Africa—Portuguese colonies

POSITIVISM

Stepin, V. S. [Present-day positivism and the individual branches of science] Sovremennyi pozitivizm i chastnye nauki. Minsk, Izd-vo MVSS i PO BSSR, 1963. 58 p.

POST-MORTEM EXAMINATIONS see Autopsy

POSTAGE STAMPS
(see also subdivision under Aden)

Messengers of peace. Zhen. mira no. 11:27 '61.

POSTAGE STAMPS—TOPICS—SPACE FLIGHT

Space on stamped envelopes. A. Kuz'michev. IUn. tekh. 8 no. 11 17-18 N '63.

POSTAL SERVICE
(see also subdivision under Kuybyshev; Leningrad; Rostov Province)

Green light to letters. L. Gavrilov. Za bezop. dvizh. 6 no. 11:14 N '63.

Introduction of good work practices should improve the operation of postal service. Vest. sviazi 23 no. 10:12-16 O '63.

Striped "travelers." O. Lapyts'kyi. Ukraina no. 9:26-27 My '62.

POSTAL SERVICE—EMPLOYEES see subdivision under Orsha

POSTERS

Soviet political posters. R. Krlukov. Iskusstvo 26 no. 7:69-73 '63.

POSTOPERATIVE CARE

Adrenocortical hormones and their emergency use in surgery [with summary in English]. V. E. Volkov. Klin. med. 41 no. 7:96-99 Jl '63.

Possibility of using fat for parenteral nutrition in surgical diseases, review of Soviet and foreign literature. I. G. Andrianova. Vest. khir. 90 no. 6:133-141 Je '63.

Postoperative anesthesia in surgery of newborn infants and nursing infants; preliminary report [with summary in English]. V. V. Gavriushov, R. B. Frantov. Khirurgiia 39 no. 7:67-71 Jl '63.

Potassium depletion in the postoperative period [with summary in English]. A. A. Krokhalev. Klin. med. 41 no. 7:80-82 Jl '63.

Some problems of resuscitation in urology and nephrology. S. D. Goligorskii. Zdravookhranenie 6 no. 5:24-28 S-O '63.

POSTURE

Center of gravity in a normal human body and in some disorders of the locomotor apparatus. G. S. Kozyrev. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:49-58 '59.

Changes in the gum temperature in the orthostatic test. E. G. Urlskaia. Eksp. issl. po fiziol., biokhim. i farm. no. 3:185-190 '61.

Formation of a proper posture as one of the means of developing resolute qualities. I. P. Mikhailov. Trudy Vor. med. inst. 47:112-114 '62.

POTANIN, GRIGORII NIKOLAEVICH, 1835-1920

Who was the author of the article "On the characteristics of Siberia" published in "Kolokol" in 1860? A. G. Grumm-Grzhimailo. Izv. Vses. geog. ob-va 95 no. 5:458-459 S-O '63.

POTASH INDUSTRY—HYGIENIC ASPECTS see subdivision under Kalush; Soligorsk

POTASSIUM BROMIDE CRYSTALS

Effect of radiation on some properties of solid solutions of the system KCl - KBr. V. V. Kutsepalenko, I. IA. Melik-Gaikazian. Izv. vys. ucheb. zav., fiz. no. 3:15-17 '63.

POTASSIUM CARBONATES

Comparison of some economic indices in the operation of shops for sulfur removal by potassium carbonates and soda potassium carbonate mixtures. N. N. Golokhov. Koks i khim. no. 11:48-49 '63.

Prospects for the utilization of potassium carbonate in the national economy. A. A. Tripol'skii, L. G. Chernega. Khim. prom. no. 9:675-677 S '63.

POTASSIUM CHLORIDE—PHYSIOLOGICAL EFFECT

Effect of potassium and calcium on the activity of vein receptors. P. F. Konovalov. Trudy Khab. med. inst. 23 no. 2:55-56 '62.

Reflex influence of potassium chloride and calcium chloride from vein receptors. P. F. Konovalov. Trudy Khab. med. inst. 23 no. 2:53-54 '62.

POTASSIUM CHLORIDE—THERAPEUTIC USE

Clinicoelectrocardiographic indices in poisoning with cardiac glycosides and the effect of potassium chloride [with summary in English]. F. E. Ostapiuk. Terap. arkh. 35 no. 5:51-59 My '63.

POTASSIUM CHLORIDE CRYSTALS

Effect of radiation on some properties of solid solutions of the system KCl - KBr. V. V. Kutsepalenko, I. IA. Melik-Gaikazian. Izv. vys. ucheb. zav.; fiz. no. 3:15-17 '63.

POTASSIUM FLUOBERYLLATES

Phase transitions and heats of solution of potassium fluoberyllate (K_2BeF_4). M. E. Levina, N. V. Khromova. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:717-723 '63.

POTASSIUM IN THE BODY

Dynamic study of sodium and potassium electrolytes in patients with various surgical diseases [with summary in English]. A. N. Bakuiev, R. G. Ambartsumian. Vest. khir. 91 no. 7 3-7 Jl '63.

Potassium depletion in the postoperative period [with summary in English]. A. A. Krokhalev. Klin. med. 41 no. 7:80-82 Jl '63.

POTASSIUM IODIDE

Electrochemical determination of molybdenum based on the catalytic oxidation of iodide by hydrogen peroxide. R. K. Sharipov, O. A. Songina. Zav. lab. 29 no. 11 1293-1296 '63.

POTASSIUM METABOLISM

Potassium balance in oncological patients in the pre- and postoperative periods. I. F. Zisman, F. M. Brandis. Zdravookhranenie 6 no. 5:40-43 S-O '63.

POTASSIUM NITRATE—SPECTRA

Luminescence of gamma-irradiated KNO_3. IU. A. Kulikin, A. F. IAtsenko. Fiz. tver. tela 5 no. 11 3334-3336 N '63.

POTASSIUM PERMANGANATE

Determination of the surface of products of the thermal decomposition of $KMnO_4$ by chemisorption of $Cl^{14}O_2$. V. A. Protashchik, B. V. Erofeev. Dokl. AN BSSR 7 no. 5:326-329 My '63.

POTASSIUM SALTS
(see also subdivision under Soligorsk region)

Effect of potassium salts on the activity of the manganese catalyst. A. A. Perchenko. Trudy NIISZHIMSa no. 3 59-61 '62.

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia. [Industry's requirement as to the quality of mineral raw materials] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Izd. 2., perer. Moskva, Gosgeoltekhizdat.

No. 22. Kashkarov, O. D., and M. P. Fiveg. [Potassium and magnesian salts] Kalliinye i magnezial'nye soli. Nauchn. red. E. V. Orlova, i IU. L. Chernosvitov. 1963. 64 p.

POTATO HARVESTING MACHINERY

New designs of potato-harvesting machines. Mashinostroenie no. 6:104-109 N-D '63.

POTATO HARVESTING MACHINERY—TESTING

Comparative testing of the KGP-2 and K-3 potato harvesting combines. L. IA. Zhitomirskii. Mashinostroenie no. 6 90-91 N-D '63.

POTATO MOSAIC VIRUS

Effect of gibberellin and other biologically active substances on potato viruses [with summary in English]. L. K Zherebchuk. Mikrobiol. zhur. 25 no. 5 8-13 '63.

POTATO PRODUCTS

Preparing dried potatoes for briquetting. M. P. Grigorash. Kons. i ov. prom. 18 no. 11:24-25 N '63.

POTATOES
(see also subdivision under White Russia)

Effect of gibberellin treatment on the changes in the content of growth promoting substances in potatoes. T. A. Reingard, T. A. Palladina. Dokl. AN SSSR 153 no. 2: 481-484 N '63.

Effect of trichodermin on some representatives of the rhizosphere microflora of potatoes. G Sh. Seiketov, B. A. Kishinevskii. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7,222-227 '63.

POTATOES—CLEANING

Studying the washing of potatoes in a vibratory cleaning machine. K. I. Paziruk. Trudy TSNIIKPP no. 6:62-75 '63.

POTATOES—FERTILIZERS AND MANURES
(see also subdivision under Irkutsk Province)

Change of the forms of potassium in turf-Podzolic soil in connection with prolonged use of fertilizers under winter rye and potatoes. A. V. Peterburgskii, F. V. IAnishevskii. Dokl. TSKHA no. 47:13-19 '59.

POTATOES—IRRIGATION see subdivision under Ukraine

POTATOES—STORAGE

Air preserves potatoes. A. Mishin. Izobr. i rats. no. 11: 11-12 '63.

POTATOES—THERMAL PROPERTIES

Thermophysical properties of potatoes and vegetables. A. N. Vyshelesskii, M. A. Gromov. Kons. i ov. prom. 18 no. 11:25-27 N '63.

POTENTIAL, THEORY OF

Balabushevich, I. A. [Higher derivatives of the gravitational potential and their applicability in geological gravimetry] Vysshie proizvodnye potentsiala sily tiazhesti i vozmozhnosti ikh ispol'zovaniia v geologicheskoi gravimetrii. Kiev, Izd-vo Akad. nauk USSR, 1963 256 p.

Kupradze, V. D. [Method of the potential in the theory of elasticity] Metody potentsiala v teorii uprugosti. Moskva, Fizmatgiz, 1963. 472 p.

POTENTIOMETER

Stroboscopic oscillograph with recording on an EPP-09M1 potentiometer. M. E. Glushkovskii. Prib. i tekh. eksp. 8 no. 5:114-116 S-O '63.

POTENTIOMETRIC ANALYSIS

Analysis of industrial samples of chlorendic anhydride by nonaqueous potentiometric titration. E. A Emelin, N. F. Smyslova, IA. A. TSarfin. Zav. lab. 29 no. 10. 1169-1172 '63.

Application of potentiometric titration in the control of alkylol amide production. I. G. Reznikov, L. A. Kobzeva Trudy NIISZHIMSa no. 3.19-23 '62.

Determining the acid number and free alkali in the saponified oxidate by the method of potentiometric titration. R. M. Besitskii, A. A. Karpenko. Trudy NIISZHIMSa no. 3:86-88 '62.

Potentiometric determination of divalent mercury concentration using a mercury electrode [with summary in English]. A. I. Mogilianskii and others. Zhur. anal khim. 18 no. 10.1211-1216 O '63.

Potentiometric determination of silver in photographic materials. M. V. Zhdanova. Zav. lab. 29 no. 11:1307 '63.

Quantitative potentiometric determination of syntomycin and levomycetin. S. Kh. Dzotsoti. Azerb. khim. zhur. no. 3 99-107 '62.

Using the method of potentiometric analysis for determining carbonyl numbers in dark-colored products. S. A. Udovenko, L. I. Babanskikh. Trudy NIISZHIMSa no. 3: 89-90 '62.

POTTED PLANTS see Plants, Potted

POTTERY see subdivision under Azerbaijan

POTTERY, ANCIENT

One of the pottery groups from the ancient site of Kobyakovo. S. I. Kaposhina. Krat. soob. Inst. arkheol. no. 94: 37-41 '63.

POTTERY, TAURI see subdivision under Crimea

POULTRY

(see also subdivision under Armenia)

Spiridonov, A. M. [Poultry raising is a paying business] Ptitsevodstvo — dokhodnaia otrasl'. Moskva, Sel'khozizdat, 1963. 53 p.
(DNAL)

POULTRY—FEEDING AND FEEDS

Soveshchanie po voprosam aminokislotnogo pitaniia sel'skokhoziaistvennykh zhivotnykh, 1st, Kharkov, 1962. [Amino acid nutrition of swine and poultry] Aminokislotnoe pitanie svinei i ptitsy; [materialy]. Pod red. N. F. Rostovtseva. Moskva, Sel'khozizdat, 1963. 218 p.
(DNAL)

POULTRY HOUSES AND EQUIPMENT

Theory and calculation of a mechanized line for collecting eggs [with summaries in English, German, and French]. R. M. Slavin, N. S. Kruglov, T. S. Ataktshiev. Vest. sel'khoz. nauki 8 no. 6:97-103 Je '63.

POVERTY see subdivision under United States

POWDER METALLURGY

Effect of solid dispersive inclusions, chemically unrelated to the matrix, on the durability of powdered metals. K. V. Savitskii, IU. F. Malyshev. Izv. vys. ucheb. zav., fiz. no. 3:37-40 '63.

Efficient use of waste products of the metalworking industry in powder metallurgy. N. Manukian. Prom. Arm. 6 no. 9:39-44 S '63.

Strength of clad sheet SAP [sintered aluminum powder]. A. I. Kolpashnikov, IU. V. Dmitriev. Trudy MATI no. 57:110-113 '63.

Ways of increasing the weight of blanks for the rolling of SAP [sintered aluminum powder] sheets. A. I. Kolpashnikov, G. N. Shlenskii. Trudy MATI no. 57:101-109 '63.

POWER (MECHANICS)

Popov, V. A., ed. [Magnetohydrodynamic method of energy conversion. Translations] Magnitogidrodinamicheskii metod preobrazovaniia energii. Moskva, Fizmatgiz, 1963. 536 p.

Vilenskii, N. M. [Effective use of secondary power resources] Ratsional'noe ispol'zovanie vtorichnykh energeticheskikh resursov. Moskva, Metallurgizdat, 1963. 271 p.

POWER ENGINEERING

Awards presented to the participants of the Exhibition of the Achievements of the National Economy of the U.S.S.R. Elek. sta. 34 no. 10:94 O '63.

Through the pages of trade journals. Prom. energ. 18 no. 11:62 N '63.

POWER ENGINEERING—INFORMATION SERVICES

Mikhailov, A. I., and B. M. Taraeev. [Scientific information in the field of electric and power engineering] Nauchnaia informatsiia v oblasti elektrotekhniki i energetiki; lektsiia. Moskva, Vses. zaochnyi energ. in-t, 1961. 17 p.

POWER PLANTS

Experience in the operation of power supplying plants in a factory. V. A. Vas'ev, V. G. Mitiushkin, I. V. Kononenko. Koks i khim. no. 11:59 '63.

POWER PLANTS—DESIGN AND CONSTRUCTION

Standardization of industrial buildings in industrial and power-plant districts. A. Chechel'nitskii. Prom. stroi. i inzh. soor. 5 no. 5:17-23 S-O '63.

POWER PRESSES

Mechanical arm for a press. A. M. Evlant'ev. Mashinostroitel' no. 10:6 O '63.

Reinforced-concrete stands for press pedestals. N. F. Kvasov. Mashinostroenie no. 5:39-41 S-O '63.

Stressed state and strength of main shafts of single-column crank presses. V. P. Andronov. Trudy GPI 17 no. 3:97-106 '61.

POWER PRESSES—SAFETY APPLIANCES

Blocking devices with ultrasonic transducers. D. E. Popovian. Mekh. i avtom. proizv. 17 no. 10.31-34 O '63.

POWER RESOURCES

(see also subdivision under Europe, Eastern; Komi A.S.S.R.)

Using linear programming methods for compiling the optimal fuel power balance. M. Albegov. Plan. khoz. 40 no. 12:43-49 D '63.

POWER TOOLS

Abramov, N. F., V. I. Goloskova, and Z. B. Lisogor. [Using power tools in training mechanics] Primenenie mekhanizirovannogo instrumenta v protsesse obuchenila slesarei. Moskva, Profizdat, 1963. 50 p. (Obmen opytom raboty)

Slavchenko, N. A. [Electric tools for assembly and repair work] Elektrifitsirovannyi instrument dlia montazhnykh i remontnykh rabot. Moskva, Profizdat, 1963. 109 p. (Biblioteka molodogo rabochego)

POWER TRANSMISSION

[Design of mechanical transmissions] Proektirovanie mekhanicheskikh peredach; uchebno-spravochnoe posobie po kursovomu proektirovaniiu mekhanicheskikh peredach. Izd. 2., perer. [By] S. A. Chernavskii i dr. Moskva, Mashgiz, 1963. 799 p.

PRAGUE—DESCRIPTION

Prague; the centuries and the years. Harry Tabacnik. Vokrug sveta no. 11:44-46 N '63.

PRECAST CONCRETE

Koyel'man, I. A. [Concrete and reinforced concrete products and details; precasting practices and use] Betonnye i zhelezobetonnye izdeliia i detali, opyt zavodskogo proizvodstva i primeneniia. Moskva, Gosstroizdat, 1963. 65 p. (Akademiia stroitel'stva i arkhitektury SSSR. TSentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture. Opyt zarubezhnogo stroitel'stva, no. 13)

Volzhenskii, A. V., B. V. Vinogradov, and K. V. Gladkikh. [Concretes and products based on slag and ash cements, hardened in steam chambers and autoclaves] Betony i izdeliia na shlakovykh i zol'nykh tsementakh; pri tverdenii v proparochnykh kamerakh i avtoklavakh. Pod obshchei red. A. V. Volzhenskogo. Moskva, Gosstroizdat, 1963. 361 p.

PRECAST CONCRETE CONSTRUCTION

(see also subdivision under Moscow)

Assembly of prefabricated reinforced concrete structures of the main housing of a thermal electric power plant using a herringbone hoist. B. A. Kozak, I. G. Naimark. Energ. stroi. no. 16:3-12 '60.

Choosing modular dimensions for large-panel apartment houses. IA. Vasserman. Arkhit. SSSR no. 1:45-50 '62.

Construction of precast reinforced concrete tunnel linings. O. IU. Antonov. Bet. i zhel.-bet. 9 no. 10:462-464 O '63.

Developing the comprehensive mechanization of housing construction. P. Sorokin. Ekon. stroi. no. 11:11-14 N '63.

Experimental construction of industrial buildings and structures. E. Tatsii, V. Solov'ev. Prom. stroi. i inzh. soor. 5 no. 5:23-26 S-O '63.

The problem of standardization in large-panel housing construction. A. Sherentsis. Arkhit. SSSR no. 1:42-44 '62.

Results of building a water reservoir from precast reinforced concrete. D. Rosenberg, V. Ivanov. Prom. stroi. i inzh. soor. 5 no. 5:56-58 S-O '63.

Standardized (UTP-1) arch for the construction of enterprises of precast reinforced concrete products. A. A. Susnikov, E. E. IAkobson. Bet. i zhel.-bet. 9 no. 10. 446-449 O '63.

PRECIPITATION (CHEMISTRY)

Continuous process of chemical precipitation with automatic control. I. M. Vasserman, E. A. Fomina. Khim. prom. no. 8:607-610 Ag '63.

Countercurrent coprecipitation of germanium with slightly soluble compounds of heavy metals. N. S. Fortunatov, L. E. Slobtsov. Ukr. khim. zhur. 29 no. 11: 1223-1228 '63.

PRECIPITATION (METEOROLOGY)

(see also subdivision under Moscow Province; Transcaucasia)

Kolodiazhnaia, A. A. [Regime of the chemical composition of atmospheric precipitation and its metamorphosis in the zone of aeration] Rezhim khimicheskogo sostava atmosfernykh osadkov i ikh metamorfizatsiia v zone aeratsii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 165 p.

PRECISION CASTING

Molding materials for precision casting. K. M. Tkachenko, V. D. Rovnova. Lit. proizv. no. 10 1-3 O '63.

PRECISION CASTING—EQUIPMENT AND SUPPLIES

Innovations in the technological process of precision investment molding. A. S. Lakeev. Mashinostroenie no. 6.37-40 N-D '63.

PREDESTINATION (MOHAMMEDANISM)

Surapbergenov, Amanbai. [Divine predestination and fatalism in Islam] Bozhiestvennaia predopredelennost', fatalizm v islame. Alma-Ata, Kazakhskoe gos. izd-vo, 1961. 43 p.

PREFABRICATED BUILDINGS see Buildings, Prefabricated

PREGNADIENEDIONE

Hormone therapy of acute and subacute nonsuppurative thyroiditis and sirumitis [with summary in English]. V. R. Kliachko, I. I. Steklenkova. Klin. med. 41 no. 7: 104-107 Jl '63.

Use of ACTH and prednisolone in diseases of the nervous system. M. M. Babich. Vrach. delo no. 11:149 N '63.

Use of prednisolone in chronic hepatitis and liver cirrhosis [with summary in English]. L. A. Zherebtsov. Klin. med. 40 no. 11:98-103 N '62.

Use of prednisolone in the compound therapy of epidemic hepatitis. N. V. Prodolobov. Kaz. med. zhur. no. 5:45-46 S-O '63.

PREGNANCY

Cardiovascular system in pregnancy under normal and pathological conditions. Report No. 1; Data on arterial oscillography in the orthostatic test. V. M. Klebanov. Eksp. issl. po fiziol., biokhim. i farm. no. 3:119-124 '61.

Content of copper in the bodies of the mother and fetus [with summary in English]. IU. V. Taradaiko. Akush. i gin. 39 no. 4:59-63 Jl-Ag '63.

Ovarian-menstrual cycle and generative function in female employees in a number of professions. V. K. Lysenko. Zdrav. Bel. 9 no. 3.44-47 Mr '63.

Phonocardiographic characteristics in healthy pregnant women [with summary in English]. N. F. Rybkina. Akush. i gin. 39 no. 4:54-56 Jl-Ag '63.

PREGNANCY, COMPLICATIONS OF

Baksheev, N. S. [Endemic goiter and pregnancy] Endemicheskii zob i beremennost'; kliniko-eksperimental'noe issledovanie. Kiev, Gosmedizdat USSR, 1963. 123 p. (Bibliotechka prakticheskogo vracha)
(DNLM)

Case of pregnancy toxemia complicated by diabetes insipidus. L. IA. Davydov, N. P. Genina. Akush. i gin. 39 no. 4.122 Jl-Ag '63.

Copper metabolism in toxemias during the second half of pregnancy [with summary in English]. Z. M. Rasuli. Akush. i gin. 39 no. 4:63-66 Jl-Ag '63.

The course of pregnancy and labor in anemia patients [with summary in English]. Din IAn' (Ting Yen). Akush. i gin. 39 no. 4:70-74 Jl-Ag '63.

Course of pregnancy and labor in women with heart diseases; from data of the Grodno Maternity Home for 7 years. V. S. Rakut'. Zdrav. Bel. 9 no. 3:61-64 Mr '63.

Course of Werlhof's disease in pregnancy. R. Sh. Dashevskaia, A. S. Lepeshkina. Akush. i gin. 39 no. 4:76-78 Jl-Ag '63.

Diagnosis of escape of the amniotic fluid. T. A. Mironova. Kaz. med. zhur. no. 5:63-66 S-O '63.

"Effect of ionizing radiation on the sexual glands, pregnancy and intrauterine fetus" by V. I. Bodiazhina and others. Reviewed by E. P. Ivanitskaia. Akush. i gin. 39 no. 4:149 Jl-Ag '63.

Hypochromic anemia in pregnancy [with summary in English]. R. N. Guseinov, L. R. Kerimova. Akush. i gin. 39 no. 4:66-70 Jl-Ag '63.

PREGNANCY, COMPLICATIONS OF (Continued)

Management of premature labor in transverse position of the fetus [with summary in English]. M. I. Lipkin. Akush. i gin. 39 no. 4:81-85 Jl-Ag '63.

Pregnancy and labor in acromegaly. N. O. Kamionskii. Akush. i gin. 39 no. 4:120-121 Jl-Ag '63.

Torsion of the adnexa uteri in a 5-week pregnancy. G. E. Sokolovich. Akush. i gin. 39 no. 4:123-124 Jl-Ag '63.

PREGNANCY, EXTRAUTERINE

Combination of a progressive extrauterine pregnancy with apoplexy of the ovary and appendicitis. P. F. Buzykin. Akush. i gin. 39 no. 4:124 Jl-Ag '63.

Combination of cancer of the cervix uteri with extrauterine pregnancy and paraovarian cyst. K. G. Abragam. Akush. i gin. 39 no. 4 127 Jl-Ag '63.

Role of atypical endometrial changes (the Arias-Stella reaction) in the diagnosis of disorders in extrauterine pregnancy [with summary in English]. O. I. Topchieva. Akush. i gin. 39 no. 4 19-22 Jl-Ag '63.

Symptomatology of extrauterine pregnancy. E. T. Malakhova. Zdrav Bel. 9 no. 3 31-33 Mr '63

Unusual case of chorioepithelioma developing from ovarian pregnancy. D. A. Govorov. Akush. i gin. 39 no. 4 124-125 Jl-Ag '63.

PREGNANEDIONE

Use of viadril in clinical practice. M. I. Kuzin, V. I. Sachkov, N. V. Kiseleva. Khirurgiia 39 no. 7 19-25 Jl '63.

PREHNITE—ANALYSIS see subdivision under Azerbaijan

PRELIMINARY EXAMINATIONS (CRIMINAL PROCEDURE)

Vinogradov, I. V., G. I. Kocharov, and N. A. Selivanov. [Expert testimony at preliminary examinations; a reference manual] Ekspertizy na predvaritel'nom sledstvii, spravochnoe posobie. Moskva, Gos. izd-vo iurid. lit-ry, 1959. 215 p. (MH-L)

PRENATAL CARE

Perinatal mortality and problems of the antenatal protection of the fetus [with summary in English]. M. A. Petrov-Maslakov. Akush. i gin. 39 no. 4, 99-106 Jl-Ag '63.

PREOPERATIVE CARE

Effect of preoperative care and surgical treatment on the contractile function of the myocardium in thyrotoxicosis [with summary in English]. E. N. Dormidontov. Vest. khir. 91 no. 7:8-11 Jl '63.

Hemotherapy in the compound treatment of purulent surgical diseases [with summary in English]. A. S. Kukel'. Vest. khir. 90 no. 6:3-8 Je '63.

Preoperative care of patients with thyrotoxicosis [with summary in English]. A. A. Mel'shov. Vest. khir. 91 no. 7:11-13 Jl '63.

Some problems of resuscitation in urology and nephrology. S. D. Goligorskii. Zdravookhranenie 6 no. 5:24-28 S-O '63.

PRESCHOOL EDUCATION see Education, Preschool

PRESCRIPTION WRITING

Kudrin, A. N., and others. [Prescription manual] Spravochnik po retsepture; uchebnoe posobie. Pod obshchei red. A. N. Kudrina. Riazan', Riazanskii med. in-t, 1962. 265 p. (DNLM)

PRESS

(see also subdivision under United States)

Along the course laid out by Lenin. Sov. pech. no. 11: 1-2 N '63.

Leningrad. Universitet. [Soviet press in our times] Sovetskaia pechat' v nashi dni. [Leningrad] 1963. 198 p.

PRESSURE REGULATORS

Selecting a type of feedback in regulators of marine power plants. M. Sh. Shifrin, V. N. Ilʹin, V. V. Voitetskii. Sudostroenie 29 no. 10:22-26 O '63.

PRESSURE VESSELS

Improvement of the method of gas feed in the extraction of disseminated bitumens from rocks using high pressure equipment. S. N. Beletskaia. Trudy VNIGRI no. 212. Geokhim. sbor. no. 8:240 '63.

PRESTRESSED CONCRETE CONSTRUCTION

(see also subdivision under Moscow)

Experimental spans with vertically stressed hoops. L. I. Iosilevskii, V. P. Chirkov. Transp. stroi. 13 no. 9:54-57 S '63.

Moscow. Nauchno-issledovatel'skii institut betona i zhelezobetona. [Prestressed concrete structures for industrial buildings] Predvaritel'no napriazhennye zhelezobetonnye konstruktsii proizvodstvennykh zdanii. Pod red. G. I. Berdichevskogo. Moskva, Gosstroiizdat, 1963. 241 p.

Pogrebnoi, IA. F. [Technology of prestressed concrete construction] Tekhnologiia predvaritel'no napriazhennogo zhelezobetona. Kiev, Gosstroiizdat USSR, 1963. 157 p.

Results of the operation of prestressed concrete bridges. G. K. Evgrafov, A. S. Antipov. Put' i put. khoz. 7 no. 12:30-31 '63.

PREVENTION OF CRIME see Crime prevention

PREVENTIVE MEDICINE see Medicine, Preventive

PRIANISHNIKOV, DMITRII NIKOLAEVICH, 1865-1948

The 14th Prianishnikov Lecture. E. I. Shkonde. Pochvovedenie no. 11:111-113 N '63.

Valuable book on Soviet agricultural chemistry and its founder Academician D. N. Prianishnikov. O. K. Kedrov-Zikhman. Pochvovedenie no. 10,103-105 O '63.

PRICES

Belkin, V. D. [Uniform prices and economic measurements based on them] TSeny edinogo urovnia i ekonomicheskie izmereniia na ikh osnove. Moskva, Izd-vo ekon. lit-ry, 1963. 345 p.

Kondrashov, D. D. [Price and value in the socialist economy] TSena i stoimost' v sotsialisticheskom khoziaistve. Moskva, Sotsekgiz, 1963. 391 p.

Kornienko, V. T. [Price and national consumption] TSena i narodnoe potreblenie. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. III Seriia: Ekonomika, no. 18)

Shil'dkrut, V. A. [Price problems of the world capitalist market] Problemy tsen mirovogo kapitalisticheskogo rynka. Moskva, Sotsekgiz, 1963. 318 p.

PRIMATES

Fixated set in lower primates. N. G. Adamashvili. Eksp. issl. po psikhol. ust. 2:231-265 '63.

PRIMATES—ANATOMY

Zhedenov, V. N. [Comparative anatomy of primates, including man] Sravnitel'naia anatomiia primatov (vkliuchaia cheloveka). Pod red. M. F. Nestrukha. Moskva, Vysshaia shkola, 1962. 625 p.

PRIMITIVE SOCIETY see Society, Primitive

PRINTED CIRCUITS

Il'in, V. I. [Semiautomatic welding of units in printed circuit assembly using a cascade method] Poluavtomat paiki blokov na pechatnom montazhe metodom kaskada. Leningrad, 1962. 13 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriia: Pribory i elementy avtomatiki, no. 10)

Prospective developments in the design and manufacture of radio-electronic apparatus. F. E. Evteev. Izv. LETI no. 47:3-27 '62.

Use of printed circuits in preparing memory elements from thin metallic films. D. G. Chigvinadze, V. A. Shukhman. Prib. i tekh. eksp. 8 no. 5:223 S-O '63.

PRINTERS

For remarkable work. Poligr. proizv. no. 11:4 N '63.

PRINTING

Interaction of paint and ink in the printing process. E. E. Lialina, D. A. Tiurikov. Poligr. proizv., no. 11:22-24 N '63.

PRINTING—HISTORY

The printing equipment of the first Russian printers. E. L. Nemirovskii. Poligr. proizv. no. 10:33-36 O '63.

PRINTING INDUSTRY

(see also subdivision under Latvia; Leningrad; Minsk; Uzbekistan; White Russia)

For the newspaper printer. A. Chernyshev. Poligr. proizv. no. 10:36-37 O '63.

Improving the role of the engineer in industry. IA. M. Serebrianyi. Poligr. proizv. no. 10:4-6 O '63.

Industry needs practical help. Poligr. proizv. no. 11: 1-3 N '63.

Let us carry out the decisions of the June Plenum of the Central Committee of the CPSU. N. Korol'. Poligr. proizv. no. 11:6 N '63.

Letters to the editor. Poligr. proizv. no. 10:15-17 O '63.

Letters to the editor. Poligr. proizv. no. 11:11-13 N '63.

News for the printing industry abroad. Poligr. proizv. no. 11:34-37 N '63.

News of printing in foreign countries. Poligr. proizv. no. 6:37-40 O '63.

Printing technology in Russia during the 17th century. E. L. Nemirovskii. Poligr. proizv. no. 11:27-30 N '63.

Public designing offices. G. Selivanova, Z. Aleksandrova. Poligr. proizv. no. 10:11-12 O '63.

Work practices of the Yaroslavl Province Printing Plant. A. R. Gergil'. Poligr. proizv. no. 10:28-29 O '63.

PRINTING INDUSTRY—ACCOUNTING

Machine accounting for expenditures in printing production. E. Kalashnikova. Bukhg. uchet 29 no. 10:12-20 O '63.

PRINTING INK

Chromatic properties of ceramic colors. D. P. Tatiev, S. D. Umanskii. Poligr. proizv. no. 10 21-22 O '63.

Determining moisture in small quantities of inks. S. A. Shelukhina, M. N. Savosina. Poligr. proizv. no. 10 19-21 O '63.

Structural and mechanical properties of mixed pigment suspensions. B. N. Shakhkel'dian, V. V. Demidov, T. I. Gudkova. Poligr. proizv. no. 11:24-25 N '63.

PRINTING MACHINERY AND SUPPLIES

For the mechanization of complicated kinds of composition, matrices are required. IA. O. Ukrainskii. Poligr. proizv. no. 10 14 O '63

Forms for printing newspapers by the offset method. IU. N. Bereziuk, V. S. Lavinskii, I. T. Gel'man. Poligr. proizv. no. 10:18-19 O '63.

Printing at the Exhibition of Achievements of the National Economy of the U. S. S. R. G. E. Shaposhnikov. Poligr. proizv. no. 10:17-18 O '63.

Rybinsk machinery manufacturers and printers need high-grade machinery. Poligr. proizv. no. 10:13-14 O '63.

Use all the forces of the scientific and technological community to carry out the decisions of the party. Poligr. proizv. no. 10:1-2 O '63.

When will we be rid of the defects in the "POL-1" offset machine? N. F. Khomanets. Poligr. proizv. no. 10 12-13 O '63.

PRINTING MACHINERY AND SUPPLIES—ACCOUNTING

Improve the financial work of enterprises. V. M. Ignatovich. Poligr. proizv. no. 10:6-7 O '63.

PRINTING PLANTS

Care of equipment is a matter of great importance to the government. Poligr. proizv. no. 11:6-7 N '63.

In a shop doing intaglio printing. V. A. Strugach. Poligr. proizv. no. 11:21 N '63.

In the printing plant named for the first Russian printer. A. D. Grosman. Poligr. proizv. no. 11:8-10 N '63.

Use equipment efficiently. L. Savinova. Poligr. proizv. no. 11:5-6 N '63.

PRINTING PLANTS—INFORMATION SERVICES

Work of the office of technological information in Obraztsovo Printing Plant. No. 1. M. M. Belorusets. Opyt rab. po tekh. inform. i prop. no. 2:16-17 '63.

PRINTING PRESS

Bushuyov, V. T. [Printing presses; designs and plans] Pechatnye mashiny; raschet i proektirovanie. Moskva, Mashgiz, 1963. 614 p.

Causes of failure of ink registration in roller presses. L. V. Fel'dman. Poligr. proizv. no. 11:15-18 N '63.

PRISMS

Polarizing prisms. E. G. Valiashko. Opt. i spektr. 15 no. 5:690-697 N '63.

PRISON SENTENCES

Perlov, I. D. [Execution of sentences in Soviet criminal procedure] Ispolnenie prigovora v sovetskom ugolovnom protsesse. Moskva, Izd-vo "Iuridicheskaia literatura," 1963. 226 p.

PRISONS

An excellent study. Z. Dvoiris. Sots. zakon. 40 no. 9: 93-95 S '63.

We shouldn't tolerate the violation of Soviet laws in determining the classes of corrective labor colonies. I. Dashkevich. Sov. iust. no. 18:13-15 S '63.

PRIVATE SCHOOLS see subdivision under Great Britain

PROBABILITIES

A. N. Kolmogorov's studies on the theory of probability. B. V. Gnedenko. Usp. mat. nauk. 18 no. 5:5-11 S-O '63.

Establishing norms for the number of personnel with the aid of the theory of probabilities. M. Zaichik. Sots. trud 8 no. 10:89-99 O '63.

Making allowance for excited states in recombination statistics. V. V. Voronkov. Fiz. tver. tela 5 no. 11:3130-3132 N '63.

Mathematical experiment for solving certain geophysical problems. I. G. Diad'kin, A. T. Lisenenkov, G. N. Zverev. Izv. AN SSSR. Ser. geofiz. no. 11:1694-1698 N '63.

Stability of solutions to a slowly varying stochastic system. E. A. Lidskii. Sib. mat. zhur. 4 no. 5:1128-1136 S-O '63.

PROBATION

Let us extend public participation in the rehabilitation and re-education of probationers. L. Vishnevskaia. Sov. just. no. 22:12-13 N '63.

Probated sentences. III. Tkachevskii. Sots. zakon. 40 no. 11:51-61 N '63.

Savkin, N. F., and M. A. Efimov. [Suspended *sentences* and release on parole] Uslovnoe osuzhdenie i uslovno-dosrochnoe osvobozhdenie ot nakazaniia. Moskva, Gosiurizdat, 1963. 31 p. (Bibliotechka slushatelia zaochnogo universiteta pravovykh znanii)

PROBERTITE

Crystalline structure of probertite $CaNa[B_5O_7(OH)_4]\cdot 3H_2O$. Kh. M. Kurbanov, I. M. Rumanova, N. V. Belov. Dokl. AN SSSR 152 no. 5:1100-1103 O '63.

PRODUCE TRADE

(see also subdivision under Kuybyshev Province)

Basic characteristics of contracts covering agreements to deliver agricultural products. V. F. IAkovlev. Izv. vys. ucheb. zav., prav. 7 no. 3 58-66 '63.

Borovikov, N. A. [Contracts on farm produce delivery] Dogovor kontraktatsii sel'skokhoziaistvennoi produktsii. Moskva, Gosiurizdat, 1963. 78 p.

Big officers of procurements. I. Malychenko. Sov. potreb. koop. 7 no. 10:8-9 O '63.

The new state delivery system will be an important factor in the further upsurge of agricultural production. L. Kornieta. Ekon. sel'khoz. 32 no. 7:25-33 Jl '61.

PRODUCTION-LINE METHODS see Assembly-line methods

PRODUCTION STANDARDS

(see also subdivision under Kerch)

Application of consolidated norms. S. Volodarskii. Sots. trud 8 no. 10:83-86 O '63.

Establishing norms for the number of personnel with the aid of the theory of probabilities. M. Zaitshik. Sots. trud 8 no. 10:89-99 O '63.

Organizing work on standardization and normalization at the Izmail ship repair yard. IU. Krivosheev. Mor. flot 23 no. 11:34-35 N '63.

PROFIT

Specify profit calculations in industrial enterprises. A. Kazachek. Plan. khoz. 40 no. 12:76 D '63.

PROGRAMMED INSTRUCTION

All-Russian Conference on the Use of Audio-Visual Aids and Programming. Vest. vys. shkoly 21 no. 11:66-67 N '63.

Brief news. V. G. Razumovskii, E. M. Braverman, I. V. Popov. Fiz. v shkole 23 no. 3:110-112 My-Je '63.

Improvement of the educational process at the General Technical Faculty. IU. F. *Chubuk, M. F. Evstifeev.* Vest. vys. shkoly 21 no. 11:49-51 N '63.

Programmed instruction. IU. I. Sokolovskii. Fiz. v shkole 23 no. 3:24-28 My-Je '63.

Some basic problems in the theory of programmed instruction; experimental and analytical study. L. B. Ittel'son. Sov. pedag. 27 no. 9:117-131 S '63.

Standard algorithms for the programming of a special course. I. G. Ermakov. Vest. vys. shkoly 21 no. 11: 62-63 N '63.

We need a thorough scientific basis. A. F. Maltsev. Vest. vys. shkoly 21 no. 11:60-62 N '63.

PROGRAMMING (ELECTRONIC COMPUTERS)

Results of the automatic design of foundations. K. G. Bomshtein, D. E. Pol'shin, L. S. IAkobson. Osn., fund. i mekh. grun. 5 no. 6:12-14 '63.

Unification of planning documentation of industrial enterprises. N. Mukhrov. Plan. khoz. 40 no. 12:52-57 D '63.

PROGRAMMING (ELECTRONIC COMPUTERS)—ROLLING (METALWORK)

Unit for solving the problem of optimum laying-out of a strip for rolling two type sizes. G. M. Maksin, B. A. Maksev, V. P. Novozhilov. Avtom. i prib. no. 4:33-36 O-D '63.

PROGRAMMING LANGUAGES (ELECTRONIC COMPUTERS)

Some methods of representing a set in generation bases. S. IU. Maslov. Dokl. AN SSSR 153 no. 2:266-269 N '63.

PROGRAMMING (MATHEMATICS)

Figures instead of intuition. A. Mitskevich. Znan. sila 36 no. 10:40-41 O '61.

Formulation and solution of a problem on nonlinear mathematical programming. P. T. Reznikovskii, V. I. Rybasov, V. A. Chaianov. Izv. AN SSSR. Tekh. kib. no. 5:121-132 S-O '63.

PROJECT METHOD IN TEACHING

Comprehensive course projects based on reality. N. E. Rakharev. Sred. spets. obr. 10 no. 11:19-21 N '63.

Graduating student of an agricultural institution of higher learning should defend a degree project. A. I. Panin. Vest. vys. shkoly 21 no. 11:55-56 N '63.

PROJECTION

Mantsvetova, I. V. and D. IU. Malants. [Projection drawing, with a collection of problems] Proektsionnoe cherchenie so sbornikom zadach. Izd. 2., perer. i dop. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 369 p.

PROOFREADING

Strive for high quality in typesetting and proofreading. O. V. Riss. Poligr. proizv. no. 10:8-9 O '63.

PROPAGANDA—BIBLIOGRAPHY see Bibliography—Propaganda

PROPAGANDA, ANTI-COMMUNIST

In different languages. A. Solodovnikov. Mezhdunar. zhizn' 10 no. 11:66-75 N '63.

PROPELLERS

Automatic programmed control of controllable pitch propeller systems. E. P. Shtumpf. Sudostroenie 29 no. 11:32-34 N '63.

PROPELLERS, AERIAL

Vortex theory of the rotor and mutual interference of propellers. A. M. Leplkin, Izv. AN SSSR. Mekh. i mashinostr. no. 5:77-107 S-O '63.

PROPENE

Alkylation of m-dichlorobenzene by propylene in the presence of sulfuric acid. IU. G. Mamedaliev, R. S. Altmardanov. Azerb. khim. zhur. no. 3 3-9 '62.

Alkylation of o-cresol by propene in the presence of catalysts BF_3, H_3PO_4 and BF_3, $O(C_2H_5)_2$. S. V. Zavgorodnii, L. S. Kharchenko. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6, no. 5:795-798 '63.

Analysis of methallyl chloride by gas-liquid chromatography. L. I. Virin, L. M. Bushinskaia, R. V. Dzhagatspanian. Zav. lab. 29 no. 11:1301-1302 '63.

Development of the production of ethylene, propylene, and acetylene. G. F. Borisovich, P. A. Khokhriakov, R. A. Rozina. Khim. prom. no. 8:561-566 Ag '63.

Effect of the products on the rate of isobutylene oxidation on a copper catalyst. L. P. Shapovalova, IA. B. Gorokhovatskii, M. IA. Rubanik. Dokl. AN SSSR 152 no. 3: 610-613 S '63.

Kinetics of the formation of isomers of isopropyltoluenes in toluene alkylation by propylene. E. P. Babin and others. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5: 787-794 '63.

Nitration of the fraction of propylene tetramers by nitric acid. S. M. Markhaseva and others. Azerb. khim. zhur. no. 3:19-26 '62.

Synthesis of isoprene from propylene. I. IS. Tiurlaev and others. Khim. prom. no. 9:647-650 S '63.

PROPERTY

Akademiia nauk SSSR. Institut gosudarstva i prava. [Legal problems in eliminating the difference between collective-farm and public property] Pravovye voprosy sblizheniia kolkhoznoi i obshchenarodnoi sobstvennosti. Moskva, Gosiurizdat, 1963. 423 p.

PROPIONIBACTERIUM

Physiological evaluation of corn ensilage. Report No. 2. N. U. Bazanova, B. N. Nikitin. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:10-15 '63.

Role of propionic acid bacteria in corn ensilage. D. L. *Shamis, K. A. Il'ina. Trudy Inst. mikrobiol. i virus.* AN Kazakh. SSR 7:3-9 '63.

PROPIONIC ACID

Use of 1-mercaptopropionic acid derivatives in analytical chemistry. Report No. 2: Photometric determination of palladium with p-phenetidide-1-mercaptopropionic acid [with summary in English]. A. I. Busev, A. Nacu. Zhur. anal. khim. 18 no. 10:1233-1236 O '63.

PROPORTIONING EQUIPMENT

Automatic error compensator for the weighing with a batcher. M. M. Ivakhnenko. Izm. tekh. no. 10:23-27 O '63.

Automatic proportioning of paint and varnish products. L. N. Leibzon, IU. I. Torshilov. Mekh. i avtom. proizv. 17 no. 10:20-21 O '63.

PROSPECTING

(see also subdivision under Noril'sk region; Ural Mountain region)

Magic devices. N. Gushchin. Sov. voin. 45 no. 22:33 N '63.

PROSPECTING—GEOPHYSICAL METHODS

(see also subdivision under Soviet Central Asia)

Development of an effective complex of geophysical *prospecting for diamond deposits.* G. D. Balakshin. Trudy IAFAN AN SSSR. Ser. geol. no. 9:172-177 '63.

Inverted curves of vertical electric sounding. G. N. Anishchenko. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:30-34 '62.

Per'kov, N. A. [Interpreting the results of borehole logging] Interpretatsiia rezul'tatov karotazha skvazhin. Moskva, Gostoptekhizdat, 1963. 436 p.

PROSTATE GLAND—CANCER

Value of tomography in the diagnosis of prostatic tumors [with summary in English]. N. A. Berman, V. E. Kaganskii. Vop. onk. 9 no. 7 79-85 '63.

PROSTATE GLAND—DISEASES

Sabel'nikov, I. I. [Hypertrophy of the prostate gland] Gipertrofiia predstatel'noi zhelezy. Moskva, Medgiz, 1963. 215 p. (Biblioteka prakticheskogo vracha) (DNLM)

PROSTATE GLAND—RADIOGRAPHY

Value of tomography in the diagnosis of prostatic tumors [with summary in English]. N. A. Berman, V. E. Kaganskii. Vop. onk. 9 no. 7 79-85 '63.

PROSTHESIS

Alloplasty of the major veins [with summary in English]. S. S. Mikhailov, I. A. Pis'menov, E. M. Gerasimov. Vest. khir. 91 no. 7 25-33 Jl '63.

Electromyographic examinations in a prosthetic orthopedic clinic. T. S. Vinogradova, V. S. Gurfinkel', IA. I. Slavutskii. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 231-241 '59.

Esophageal alloplasty under experimental conditions [with summary in English]. G. A. Sardak. Vest. khir. 91 no. 7 41-45 Jl '63.

Late results of the use of active prostheses following the amputation of both humeri, as well as the amputation of a humerus and the exarticulation of the other shoulder joint. E. D. Ivanenkova, E. K. Mikhailova. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 219-224 '59.

Plastic surgery of the axillary artery using a lavsan prosthesis. P. E. Zavgorodnyi, L. V. Lebedev. Vest. khir. 91 no. 7 72-73 Jl '63.

Prospects and means of the further development of problems dealing with the preparation of prosthesis. A. P. Kotov. Trudy Ukr. nauch.-issl. inst ortop. i travm. no. 15:211-217 '59.

Technique of alloplasty of circulatory defects of the trachea and bronchi [with summary in English]. IU. A. Furmanov. Vest. khir. 91 no. 7:46-50 Jl '63

PROTAMINES

Use of protamine sulfate in surgery with artificial blood circulation. M. A. Umanskii, A. I. Treshchinskii, M. S. Lobodiuk. Vrach. delo no. 11 133 N '63.

PROTECTIVE ATMOSPHERES

Cast iron welding in carbon dioxide. B. I. Oboiantsev. *Svar. proizv. no. 6 15 Je '63.*

German, S. I., and G. N. Kulakova. [Welding in an atmosphere of carbon dioxide] Svarka v srede uglekislogo gaza. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. *135 p*

Principles of the mechanization of air-arc cutting. K. V. Vasil'ev, L. S. Shapiro. Trudy VNIIAvtogen no 9 65-72 '63.

Welding cast iron in an atmosphere of water vapor. V. N. Troepol'skii, A. A. Glukharev. Svar. proizv. no. 6:16 Je '63.

PROTECTIVE COATINGS

Dependence of the strength of bonding between coating and metal on the method of surface finishing and the type of polyorganic siloxane adhesive. G. N. Duderov. Trudy MKHTI no. 37 189-198 '62.

Method of investigating the effect of low-melting coatings on the mechanical properties of steels under thermal cycling. N. V. Savchenko. Zav. lab. 29 no. 10 1247-1248 '63.

Nonoxidizing heating of blanks in a protective atmosphere with lithium vapor. V. A. Semenov. Trudy MATI no. 57:17-24 '63.

Protection of rails and fastenings against corrosion. V. V. Dobrolubov. Put' i put. khoz. 7 no. 11:20 '63.

PROTECTIVE COATINGS—TESTING

Behavior of tin-manganese alloy coatings in the food substances of the meat and dairy industry. A. V. Izmailov, N. P. Chernysheva. Izv. vys. ucheb. zav., pishch. tekh. no. 5:101-104 '63.

PROTEIN HYDROLYSATES

Clinicoexperimental study of the hydrolysate aminophasol [with summary in English]. L. N. Pushkar and others. Vest. khir. 90 no. 6:26-29 Je '63.

Treatment of radiation sickness by transfusion of protein hydrolysates. V. V. Merenov, I. I. Fedorov. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4:162-167 '60.

PROTEIN METABOLISM

Effect of corn oil on some indicators of lipoid and protein metabolism in atherosclerosis patients [with summary in English]. V. N. Kozlovskii. Klin. med. 40 no. 11: 112-115 N '62.

Hemotherapy in the compound treatment of purulent surgical diseases [with summary in English]. A. S. Kukel'. Vest. khir. 90 no. 6:3-8 Je '63.

PROTEIN METABOLISM (Continued)

Materials on mineral and protein metabolism of the bone tissue of the jaw. A. A. Prokhonchukov, N. A. Zhizhina. Teor. i prak. stom. no. 5 157-164 '61.

Selective inhibition of protein synthesis in plants by 2, 4-D F K Vorob'ev. Dokl. TSKHA no 47 117-123 '59.

Significance of some indices of protein and lipid metabolism for the differential diagnosis of forms of coronary insufficiency [with summary in English]. A. N. Britov. Terap. arkh. 35 no.5 21-27 My '63.

Submicroscopic structure of the needlelike crystals of epithelial cells of the intestinal mucous membrane and their place in the endoplasmatic reticulum system. N. M. Shestopalova, V. N. Reingol'd, V. M. Borisov. Dokl. AN SSSR 153 no. 2:454-456 N '63.

PROTEINS

Content of protein and raw protein in the Irkutsk 49 spring wheat in relation to the developmental stage and preceeding soil cultivation practices. G. A. Rossikhina. Izv. ISKHI no. 14,68-72 '59.

Determining protein content. V. Sergeev. Obshchestv. pit. no. 6:32-33 Ag '63.

Effect of heavy water on the properties of DNA and proteins. V. V. Grechko and others. Dokl. AN SSSR 152 no. 3,740-743 S '63.

Electrophoretic investigation of the proteins in animal milk [with summaries in English, German, and French]. Z. Kh. Dilanian, A. A. Agababian. Vest. sel'khoz. nauki 8 no. 6,133-137 Je '63.

Microelement content in proteins of the brain. V. F. Dmitriev, L. A. Gazarkh, S. A Shipitsyn. Izv. ISKHI no. 14:10-16 '59.

Most recent conceptions of the mechanism of protein synthesis and their theoretical and practical value. Zh A. Medvedev Dokl. TSKHA no. 47 77-94 '59.

Protein-containing substances as inhibitors of phytopathogenic viruses. A D. Bobyr. Mikrobiol. zhur. 25 no. 5 71-75 '63.

Proteins of various corn varieties and hybrid corn [with summaries in English, German, and French]. G. S. Mikenas. Vest. sel'khoz. nauki 8 no. 6:48-54 Je '63.

Proteolysis of the Caspian sprat at different pH values. V. I. Shenderiuk. Izv. vys. ucheb. zav., pishch. tekh. no. 5.55-59 '63.

Structure of group substances of blood. Proteolysis of the A group substance. V. A. Derevitskaia, V. G. Zharov, N. K. Kochetkov. Dokl. AN SSSR 153 no. 2, 342-345 N '63.

Study of the role of the protein membrane of poliomyelitis virus in the process of penetration of the virus into the cell [with summary in English] IU. Z. Gendon Vop. virus 8 no. 2 144-150 Mr-Ap '63.

PROTONS

Measuring the temperature of specimens irradiated by a proton beam in air. I. G. Berzina, L. S. Sokolov. Izv. vys. ucheb. zav., fiz. no. 3:123-126 '63.

PROTOZOA, FOSSIL

Phylum Protozoa. N. S. Lebedeva. Trudy SNIIGGIMS no. 21:100-115 '62.

PRURITUS

Treatment of pruritic dermatoses by nasal electrophoresis [with summary in English]. A. I. Rashina, A. IA. Brailovskii. Vest. derm. i ven. 37 no. 7:18-20 Jl '63.

PRUS, BOLESLAW, pseud. see Glowacki, Aleksander, 1847-1912

PSEL VALLEY—DESCRIPTION AND TRAVEL

Do you know Psel River? Oleg Shmelev. Ogonek 41 no. 42:16-18 O '63.

PSEUDOMONAS see subdivision under Ukraine

PSHAVELA, VAZHA, pseud. see Razikashvili, Luka, 1861-1915

PSKOV—TOPOGRAPHY

Topography of medieval Pskov. I. K. Golunova. Sov. arkheol. 7 no. 4:103-114 '63.

PSKOV PROVINCE—ATHEISM—STUDY AND TEACHING

The halt is very far, indeed... V. Kats. Komsom. zhizn' no. 14:8-11 Jl '63.

PSKOV REGION—BOTANY

Flora of limestone outcrops of the right bank of the Velikaya River near Pskov [with summary in English]. V. M. Shmidt, N. E. Vargina. Vest. LGU 18 no. 21:38-48 '63.

PSKOV REGION—LIMESTONE

Flora of limestone outcrops of the right bank of the Velikaya River near Pskov [with summary in English]. V. M. Shmidt, N. E. Vargina. Vest. LGU 18 no. 21:38-48 '63.

PSORIASIS

Hospital outpatient service for patients with lupus erythematosus and psoriasis. E. D. Gatkin, L. V. Liubkin, N. A. Nikonova. Vest. derm. i ven. 37 no. 7:67-69 Jl '63.

Use of psoriasine in psoriasis. I. I. Pototskii. Vest. derm. i ven. 37 no 7:23-26 Jl '63.

PSYCHIATRIC SOCIETIES see subdivision under Kazan

PSYCHOLOGY—CONGRESSES

Second congress of the Psychological Association. Sov. pedag. 27 no. 10,153-159 O '63.

PSYCHOLOGY, COMPARATIVE

Experimental study of fixated set in animals. N. V. Chkhaashvili. Eksp. issl. po psikhol. ust. 2 267-281 '63.

PSYCHOLOGY, PATHOLOGICAL

Peculiarities of sets fixated in verbal situations in schizophrenia. E. A. Vachnadze. Eksp. issl. po psikhol. ust. 2.351-356 '63.

Premorbid personality and mental disorders. V. G. Norakidze. Eksp. issl. po psikhol. ust. 2 357-361 '63.

Psychology of involutional melancholia. I. Sh. Bzhalava. Eksp. issl. po psikhol. ust. 2:315-350 '63.

Psychopathology of progressive paralysis. T. G. Abramishvili. Eksp. issl. po psikhol. ust. 2 287-314 '63.

PSYCHOLOGY, PHYSIOLOGICAL

Akademiia nauk SSSR. Institut filosofii. [Structural and functional bases of psychological activity] Strukturnye i funktsional'nye osnovy psikhicheskoi deiatel'nosti, materialy simpoziuma. Moskva, Izd-vo Akad. nauk SSSR, 1963, 89 p.

Physiologist comes to a workshop S. Vladimirov. Znan. sila 38 no. 10 42-45 O '61

PSYCHOLOGY, RELIGIOUS

Mezentsev, V. A., and L. T. Pinchuk. [Ghosts, black cats, and nonmarvelous marvels] O privideniiakh, chernoi koshke i chudesakh bez chudes. [Moskva] Molodaia gvardiia, 1963. 99 p.

PSYCHOSES

Review of A. E. Lichko's book "Insulin comas. Clinical aspects, mechanisms of the development, and insulin shock treatment of psychoses." S. G. Genes. Probl. endok. i gorm. 9 no. 5:118-120 S-O '63.

PTERIDOSPERMAE see subdivision under Tunguska Basin

PUBLIC HEALTH
(see also subdivision under Austria, Baltasi, France; Kamensk-Ural'skiy; Mogilev Province; Nizhniy Tagil; Orekhovo-Zuyevo, White Russia)

Activity of the Section of Public Health Organization and Sanitary Statistics of the Leningrad Chapter of the All-Russian Scientific Society of Hygienists and Public Health Physicians. V. IA. Mikhelkin. Sov. zdrav. 22 no. 7:93-94 '63.

Amateur theaters and "cleanliness carnivals" in the history of sanitary-educational work. A. I. Ranov. Sov. zdrav. 22 no. 7:28-30 '63.

Concepts of public health in the programs of Lenin's Party. G. A. Chuchelin. Kaz. med. zhur. no. 5.3-7 S-O '63.

Editor's mail. Zdorov'e 9 no. 10:26-27 O '63.

First medical council in Russia; on the 90th anniversary of its organization. D. K. Sokolov. Sov. zdrav. 22 no. 7:54-58 '63.

Health Day. Zdorov'e 9 no. 10:3 O '63.

Health education at a new stage. B. D. Petrov. Sov. zdrav. 22 no. 7.3-8 '63.

Implementation of the seven-year plan for the development of the network and growth of the personnel of public health agencies and institutions of the R. S. F. S. R. V. A. Ivakina. Med. sestra 22 no. 10:5-8 O '63.

Inviting the community to assist in carrying out sanitary measures. O. M. Porvatova. Fel'd. i akush. 28 no. 11: 15-21 N '63.

Life and activity of E. A. Osipov; from unpublished materials. V. A. Bazanov. Sov. zdrav. 22 no. 7:47-51 '63.

Popular universities of health in Leningrad. O. A. Liutsernova, L. P. Lapenkov. Sov. zdrav. 22 no. 7:20-24 '63.

S. A. Tomilin; on the tenth anniversary of his death. P. T. Petrov. Sov. zdrav. 22 no. 7:52-53 '63.

"Some problems of labor and public health during the building of Communism." Reviewed by B. D. Petrov, A. M. Izutkin. Sov. zdrav. 22 no. 7:85-89 '63.

V. I. Lenin and Soviet public health. B. M. Potulov. Sov. zdrav. 22 no. 7:8-14 '63.

Ways of further development of pathoanatomical service in the Soviet public health system. R. D. Shtern, A. M. Vikhert. Arkh. pat. 25 no. 7:3-13 '63.

Work at the feldsher and obstetrical center with the objective of decreasing the incidence of disease L. F. Borisovets. Fel'd. i akush. 28 no. 6:3-5 Ag '63.

PUBLIC HEALTH—CONGRESSES

Scientific Session on the Work Results of the Hygienic Departments of the First Moscow Medical Institute. S. S. Spasskii. Gig. truda i prof. zab. 7 no. 1:58 Ja '63.

PUBLIC HEALTH—HANDBOOKS, MANUALS, ETC.

Moscow. Pervyi meditsinskii institut. Kafedra organizatsii zdravookhraneniia. [Problems for practical work on the organization of public health] Zadaniia k prakticheskim zaniatiiam po organizatsii zdravookhraneniia. Izd. 2. ispr. i dop. Moskva, 1963. 167 p. (DNLM

PUBLIC HEALTH, RURAL
(see also subdivision under Nagorno-Karabakh Autonomous Province)

First aid health centers in a village. N. I. Iozhitsa. Fel'd. i akush. 28 no. 11 6-13 N '63.

Means of the further development of public health in rural localities. N. A. Iozhitsa, N. A. Albutov. Fel'd i akush. 28 no. 8:42-45 Ag '63.

Vsesoiuznaia konferentsiia po probleme "Gigiena sela." Ist. [Problems of rural hygiene] Voprosy gigieny sela; [sbornik dokladov]. Pod red. D. N. Kaliuzhnogo. Kiev, Gosmedizdat USSR, 1962. 241 p. (DNLM)

PUBLIC HEALTH LAWS

Valiaeva, K. N., comp. [Manual on work protection and safety technique for public health personnel] Spravochnik po okhrane truda i tekhnike bezopasnosti dlia rabotnikov zdravookhraneniia. Moskva, Medgiz, 1963. 445 p.

PUBLIC INSTITUTIONS—ACCOUNTING

Accounting in public institutions" by N. A. Mastalygina. Reviewed by V. Rossikhin, G. Grishin. Bukhg. uchet 20 no. 11:74-75 N '63.

The mechanized journal-voucher accounting system in public institutions. P. Brovchenko. Bukhg. uchet 20 no. 9:56-57 S '63.

PUBLIC PROSECUTORS
(see also subdivision under Czechoslovakia, Georgia; Kharkov Province; Kolomna; Ukraine)

Amendment of the law on the jurisdiction of criminal investigators and some problems facing the public prosecutors in their function to control the pretrial examination and preliminary investigation of criminal offenses. N. Zhogin. Sots. zakon. 40 no. 9 3-10 S '63.

A conference on the supervision of the preliminary examination and pretrial investigation of criminal offenses by public prosecutors. V. Zvirbul'. Sots. zakon. 40 no. 9:61-62 S '63.

A conference on the trial of civil lawsuits. A. Akimov, S. Aver'ianov. Sots. zakon. 40 no. 9:63-64 S '63.

Crime prevention is a problem of utmost importance. I. Nikolaenko, P. Burlev. Sots. zakon. 40 no. 10:27-31 O '63.

How public prosecutors control the participation of the Soviet public in the investigation of criminal offenses. A. IAsinskii. Sots. zakon. 40 no. 10:32-35 O '63.

How public prosecutors supervise the observance of laws. Sots. zakon. 40 no. 9:80-89 S '63.

How public prosecutors supervise the observance of laws. Sots. zakon. 40 no. 11:82-85 N '63.

How public prosecutors supervise the observance of Soviet laws. Sots. zakon. 40 no. 10:77-78 O '63.

In the Office of the Public Prosecutor of the U. S. S. R. Sots. zakon. 40 no. 9:90 S '63.

In the Office of the Public Prosecutor of the U. S. S. R. Sots. zakon. 40 no. 10:75 O '63.

In the Office of the Public Prosecutor of the U. S. S. R. Sots. zakon. 40 no. 11:78 N '63.

Let us strengthen the ties of public prosecution agencies with the institutions of legal education. V. Raudsalu. Sots. zakon. 40 no. 10:56-59 O '63.

New situation. K. Pavlishchev, B. Dubrovinskii. Sots. zakon. 40 no. 9:18-22 S '63.

Office of the Public Prosecutor of the U. S. S. R has organized a group to help party committees in their control of business enterprises and governmental agencies. K. Sukhodoiets. Sots. zakon. 40 no. 9:56-57 S '63.

Public and lay prosecutors. V. Savitskii. Sots. zakon. 40 no. 10:38-40 O '63.

Some problems concerning the public prosecutors' supervision of the observance of agricultural laws. V. Kuznetsov. Sots. zakon. 40 no. 10:26-26 O '63.

We rely upon the Soviet public. M. Panga. Sots. zakon. 40 no. 9:28-31 S '63.

PUBLISHERS AND PUBLISHING
(see also subdivision under Moscow; Ukraine)

In the Publishing House for Children's Literature. K. Piskunov. Nar. obr. no. 12:107-111 D '63.

PUERPERAL CONVULSIONS

Case of late postpartum eclampsia. Z. Kh. Akhunov. Akush. i gin. 39 no. 4:130 Jl-Ag '63.

PUGWASH CONFERENCE OF NUCLEAR SCIENTISTS

A conference of scientists. N. Talenskii. Mezhdunar. zhizn' 10 no. 11:105-106 N '63.

F. KHOVICHSKIY DISTRICT—DAIRYING

Determining the efficient size of dairy farms. F. Shevtsov. Ekon. sel'khoz. 32 no. 7:56-66 Jl '61.

PULMONARY ARTERY—DISEASES

Pathomorphological changes in the pulmonary artery in atherosclerosis [with summary in English]. IU. L. Butov Vrach. delo no. 11:30-34 N '63.

PULMONARY FIBROSIS

Case of Hamman-Rich syndrome in a 7-year-old child. A. D. Vaisberg, O. F. Tarasov. Pediatriia 41 no. 7:63-64 Jl '63.

Hamman-Rich syndrome (diffuse interstitial pulmonary fibrosis). A. D. Vaisberg, O. F. Tarasov. Pediatriia 41 no. 7:73-76 Jl '63.

Hamman-Rick syndrome in newborn infants. M. F. Deshchekina, N. N. Il'iash. Pediatriia 41 no. 7:64-66 Jl '63.

PULSE

Functional state of the major arteries in rheumatism in children [with summary in English]. M. K. Oskolkova. Pediatriia 41 no. 7:45-47 Jl '63.

Pulseless disease (Takayasu's syndrome). V. S. Zaimachek, G. V. Kulago. Zdrav. Bel 9 no. 3 78-80 Mr '63.

PULSE TECHNIQUES (ELECTRONICS)

Discrete phase method of frequency selection of remote control signals. G. G. Kovalenko. Priborostroenie no. 11:11-13 N '63.

Distortion of nanosecond impulses propagating through a coaxial cable. G. V. Glebovich. Radiotekhnika 18 no. 10 54-62 O '63.

Generation of nanosecond pulses of superhigh-frequency oscillations. S. I. Andreev, B. M. Lebed', B. M. Sokolov. Prib. i tekh. eksp. 8 no. 5:123-124 S-O '63.

Generation of short radiation pulses in a betatron with a wide gap. V. A. Moskalev, IU. A. Otrubiannikov. Prib. i tekh. eksp. 8 no. 5:26-29 S-O '63.

LAkovlev, V. N. [Transistor pulse generators] Impul'snye generatory na tranzistorakh. Kiev, Gostekhizdat Ukrainskoi SSR, 1963. 359 p.

Method for calculating complex spectra of impulse functions with the aid of a pulse height analyzer. S. A. Kats. Izv. AN SSSR, Ser. geofiz. no. 10:1544-1553 O '63.

Method of random pulse generation using for the driving process the discreteness of light radiation. V. F. Nesteruk, N. N. Porfir'eva, B. A. Finagin. Trudy LKI. no. 36:107-109 '62.

Multiple synchronous accumulation of impulse signals. M. I. Finkel'shtein. Radiotekhnika 18 no. 10:15-21 O '63.

Multipurpose pulse train generator [with summary in English]. Avtom. i telem. 24 no. 11:1589-1592 N '63.

Oscillographic recording of the front of a high-voltage nanosecond pulse. G. A. Vorob'ev, A. I. Golynskii, G. S. Korshunov. Prib. i tekh. eksp. 8 no. 5:216-217 S-O '63.

Powerful pulse modulators of high-frequency amplifiers and self-oscillators without pulse shaping long lines. V. A. Borisov and others. Prib. i tekh. eksp. 8 no. 4: 83-85 Jl-Ag '63.

Printing time-amplitude pulse analyzer without storage of information. M. S. Birulev and others. Prib. i tekh. eksp. 8 no. 5:90-97 S-O '63.

Pulse shapers on tunnel diodes. B. N. Kononov, IU. A. Churin. Prib. i tekh. eksp. 8 no. 4:67-72 Jl-Ag '63.

Reducing the background of random coincidences by means of consecutive pulse selection. V. G. Fleisher. Prib. i tekh. eksp. 8 no. 5:112-113 S-O '63.

Single pulse detection theory. V. F. Nesteruk, N. N. Porfir'eva. Trudy LKI. no. 36:121-134 '62.

Synchronization of multiphase multivibrators using a gate pulse voltage. IA. E. Belen'kii. Vop. pered. inform. 2:134-141 '63.

Ultra-taumeter with a pulse tube. N. A. Tolstoi, A. M. Tkachuk. Opt. i spektr. 15 no. 5:698-704 N '63.

PULVERIZED COAL see Coal, Pulverized

PUMPING MACHINERY

Air-pump fire prevention system. K. Piven'. Pozh. delo 9 no. 10:14-15 O '63.

Noncontact automatic control of a pumping unit. V. P. Mikhailov, V. K. Semenov. Avtom. i prib. no. 4:14-16 O-D '63.

Pipeless method for pumping water from bored wells. N. Ushorolubov. Tekh. v sel'khoz. 23 no. 9:40-41 S '63.

PUMPING MACHINERY, ELECTRIC

Circulating electric pumps for steam turbine plants on ships built in series. V. I. Enin. Sudostroenie 29 no. 11:28-29 N '63.

PUMPING STATIONS see subdivision under Moscow

PUNCHED CARD SYSTEMS

(see also subdivision under Ukhta, Komi A. S. S. R.; Vilnius)

Supply agriculture with calculating machines. I. E. Izotov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:63 O '63.

Utilizing punched card machines in the Novocherkassk Electric Locomotive Plant. V. Rudnianskii. Bukhg. uchet 20 no. 10:51-53 O '63.

PUNCHED CARD SYSTEMS—CONTAINERS

Machine accounting for containers with the aid of punched card machines in wholesale depots. B. Dimitrov. Bukhg. uchet 20 no. 10:20-30 O '63.

PUNCHED CARD SYSTEMS—MATERIALS

Using electronic calculating machines in accounting for materials. V. IUr'ev. Bukhg. uchet 20 no. 9:12-18 S '63.

PUNCHING MACHINERY

Pressing a punch with a flat annular bottom into a semispace. K. E. Egorov. Izv. AN SSSR. Mekh. i mashinostr. no. 5:187-190 S-O '63.

PUNCTURES (MEDICINE)

Determination of the depth of aortic puncture in translumbar aortography [with summary in English]. Vest. khir. 90 no. 6:93-95 Je '63.

PUNISHMENT

New works on corrective labor. A. Natashev. Sots. zakon. 40 no. 10:92-95 O '63.

Prohibition to hold certain positions or to engage in some special activities. L. Krakhmal'nik. Sov. iust. no. 21: 21-23 N '63.

Recidivism often results in the violation of Soviet laws. V. Khmarin. Sov. iust. no. 20:26-27 O '63.

PUPPETS AND PUPPET PLAYS

To those whom I don't know yet. Sergei Obraztsov. Kul't. i zhizn' 7 no. 11:21-22 '63.

PURPURA (PATHOLOGY)

Course of Werlhof's disease in pregnancy. R. Sh. Dashevskaia, A. S. Lapeshkina. Akush. i gin. 39 no. 4:76-78 Jl-Ag '63.

Emergency splenectomy for uterine hemorrhage in Werlhof's disease. IU. M. Khomiakov, T. I. Popova. Akush. i gin. 39 no. 4:78-79 Jl-Ag '63.

PUSHKIN, ALEKSANDR SERGEEVICH, 1799-1837

Folk-tale sources of A. S. Pushkin's poem "Ruslan and Liudmila." I. P. Lupanova. Uch. zap. Petrozav. gos. un. 7 no. 1:194-208 '58.

Pushkin and Onegin lived here. V. Talanova. V mire knig 3 no. 10:48 O '63.

Today, here, now! V. Nepomniashchii. Vop. lit. 7 no. 10:56-78 O '63.

PUSHKIN, ALEKSANDR SERGEEVICH, 1799-1837—MONUMENTS, ETC.

A monument to a poet and citizen. Ukraina no. 12:2 Je '62.

PUTORANA MOUNTAINS—ROCKS, IGNEOUS

Rhythmicity of igneous processes as a basis for the division of lava formation. V. A. Fadeev. Inform. shor. NIIGA no. 31:38-46 '62.

PUZYREVSKII, NESTOR PLATONOVICH, 1861-1934

Professor N. P. Puzyrevskii and his progressive ideas. F. Nesteruk. Rech. transp. 22 no. 11:51-52 N '63.

PUZYR'KOV, VIKTOR GRIGOR'EVICH, 1918-

Fogel', Z. V. Viktor Grigor'evich Puzyr'kov. Moskva, Sovetskii khudozhnik, 1959. 62 p. illus., plates. (MH)

PUZZLES

In a free moment. A. Kozub, S. Ivanov. Sov. voin. 45 no. 22:48 N '63.

In a free moment. I. Ivanov, A. Fateev, V. Lebedev. Sov. voin 45 no. 19:48 O '63.

In a spare moment. I. Ivanov. Sov. voin 45 no. 14:48 Jl '63.

PYEMIA

Septicopyemia following a criminal abortion. A. A. Nikol'skaia. Fel'd. i akush. 28 no. 8:32-35 Ag '63.

PYRAZOLE

New method for the production of polypyrazoles. V. V. Korshak, E. S. Krongauz, A. M. Berlin. Dokl. AN SSSR 152 no. 5:1108-1110 O '63.

PYRAZOLIDINEDOINE—THERAPEUTIC USE

Pyrazolidine-3, 5-diones; syntheses and pharmacological significance. A. M. Khaletskii, B. L. Moldaver. Usp. khim. 32 no. 10:1201-1232 O '63.

PYRAZOLIDINONE

Use of 1-phenyl-3-pyrazolidon (phenidone) for the development of positive films. V. L. Abritalin. Trudy NIKFI no. 51:120-127 '62.

PYRAZOLINE

Polarographic determination of 1, 3, 5-triphenyl-Δ^2-pyrazoline in plastic scintillators [with summary in English]. G. G. Belous, V. D. Bezuglyi. Zhur. anal. khim. 18 no. 10:1250-1254 O '63.

PYRAZOLINONE

Derivatives of pyrazolone as reagents for tellurium [with summary in English]. A. I. Busev, N. L. Babenko. Zhur. anal. khim. 18 no. 8 972-978 Ag '63.

PYRIDINE

Antibacterial effect of some N-substituted pyridine derivatives. Report No. 2. L. R. Kolomoitsev, N. H. Heonia, A. K Sheinkman. Mikrobiol. zhur. 25 no. 5: 58-61 '63.

Preparation of rhenium dichloromonoacetate and its derivatives with pyridine and thiourea. A. S. Kotel'nikova, G. A. Vinogradova. Dokl. AN SSSR 152 no. 3: 621-623 S '63.

PYRIDINECARBOXYLIC ACID—THERAPEUTIC USE

Tuberculostatic activity and chemotherapeutic effects of thio amides of pyridinecarboxylic acid in experimental tuberculosis [with summary in French]. G. N. Pershin, T. N. Zykova. Probl. tub. 40 no. 6 82-88 '62.

PYRIDOXINE

Content of vitamin B in the urine of healthy people [with summary in English]. V. A. Tokovoi. Klin. med. 40 no. 11:118-120 N '62.

PYRIMIDINE—PHYSIOLOGICAL EFFECT

Effect of methacil on the growth of transplantable tumors [with summary in English]. I. P. Serzhanin. Vop. onk. 9 no. 7:33-35 '63.

Stimulating effect of thesane and pentoxyl on the growth of transplantable tumors [with summary in English]. V. A. Chernichenko, N. M. Kraitch. Vop. onk. 9 no. 7. 41-44 '63.

PYRITES

Role of cooling elements in the increased operation rate of ovens for pulverizing the roasting of pyrites. N. K. Bartosevich, L. IA. Zhevalkin. Sbor. mat. po obm. opyt, NIUIF no. 121-7 '62.

PYROCATECHOL VIOLET

Pyrocatechol violet as a reagent for germanium [with summary in English]. V. A. Nazarenko, L. I. Vinarova. Zhur. anal. khim. 18 no. 10:1217-1221 O '63.

PYROLYSIS

Empirical equations for the process of pyrolysis of ethane-propane hydrocarbons. K. A. Oganov, G. I. Turovskii. Khim. prom. no. 8:586-587 Ag '63.

Separation of acetylene from gases yielded during thermal oxidative pyrolysis of hydrocarbons by using a selective solvent. E. R. Shenderei, F. P. Ivanovskii. Khim. prom. no. 8:650-655 S '63.

PYROMETERS

New method for measuring the temperature of molten steel. V. I. Loskutov. Priborostroenie no. 11:8-10 N '63.

PYRROLE

Physicochemical studies in the series of dinitro derivatives of pyrrole [with summary in English]. N. P. Kuznetsova. Zhur. fiz. khim. 37 no. 9:2001-2006 S '63.

PYRUVIC ACID

Reductive amination of pyroracemic, oxaiacetic and oxypyroracemic acids in plants. V. L. Kretovich, Z. S. Dronovitskaia, T. I. Kariakina. Dokl. AN SSSR 152 no. 5:1247-1249 O '63.

PYTHEAS, OF MASSILIA

Ditmar, A. B. [To the countries of tin and amber] V strany olova i ianturia. Moskva, Geografgiz, 1963. 70 p. (Zamechatel'nye geografy i puteshestvenniki)

Q FEVER

Kasatkina, I. L. [Q fever] Ku-likhoradka. Moskva, Medgiz, 1963. 208 p. (Bibliotoka prakticheskogo vracha) (DNLM)

QUADRATIC FORMS see Forms, Quadratic

QUALITY CONTROL

The quality of products should be excellent. A. Lebedev, IA. Sorin. Agitator no. 22:49-52 N '63.

QUANTUM CHEMISTRY

Two-quantum photochemistry. Proof of the second-triplet state molecules participating in the reaction. Kh. S. Bagdasar'ian, Z. A. Sinitsyna, V. I. Muromtsev. Dokl. AN SSSR 153 no. 2:374-376 N '63.

QUANTUM ELECTRODYNAMICS

Electron and positron storing devices. A. I. Alikhanian, S. A. Kheifets, S. K. Esin. Usp. fiz. nauk 81 no. 1:7-49 S '63.

QUANTUM ELECTRONICS

Theory of the shape, width, and shifting of luminescence lines of impurity centers in ionic crystals. B. Z. Malkin. Fiz. tver. tela 5 no. 11:3088-3094 N '63.

QUANTUM FIELD THEORY

Asymptotic condition stipulated by Lehman, Symanzik, and Zimmerman. B. V. Medvedev. Dokl. AN SSSR 153 no. 2:313-316 N '63.

Dispersion relations and analytic properties of partial amplitudes in perturbation theory [with summary in English]. A. A. Logunov and others. Ukr. mat. zhur. 15 no. 3:250-276 '63.

Linearizing a nonlinear spinor field equation by way of "fusion" of fermions into bosons. IU. I. Gubar'. Izv. vys. ucheb. zav., fiz. no. 5:140-146 '63.

QUANTUM STATISTICS

Quantum statistical theory of ferromagnetic resonance. O. A. Ol'khov, B. N. Provotorov. Dokl. AN SSSR 152 no. 3:591-594 S '63.

QUANTUM THEORY

Blokhintsev, D. I. [Fundamentals of quantum mechanics] Osnovy kvantovoi mekhaniki. Izd. 4. Moskva, Vysshaia shkola, 1963. 619 p.

Characteristics of lower excited levels of atoms in certain isoelectron sequences including coronal ions [with summary in English]. A. A. Nikitin. Astron. zhur. 40 no. 6:1025-1035 N-D '63.

Deceleration by radiation damping of a charge moving in a plasma situated in a magnetic field. E. G. Larionteev, V. D. Shafranov. Izv. vys. ucheb. zav., radiofiz. 6 no. 4:850-852 '63.

Determination of negative temperatures from fluorescence oscillograms. V. L. Fedorov, Chzhou Bin-kun' [Chou Ping-k'un]. Izv. vys. ucheb. zav.; fiz. no. 3:110-112 '63.

Effect of radiation on relativistic particles moving in a magnetic field [with summary in English]. V. N. TSytovich. Izv. vys. ucheb. zav., radiofiz. 6 no. 5:918-927 '63.

"Gigantic" quantum oscillations of the coefficient of sound absorption in bismuth. A. P. Koroliuk. Fiz. tver. tela 5 no. 11:3323-3324 N '63.

Interference phenomena in quantum transitions. M. I. Podgoretskii, O. A. Khrustalev. Usp. fiz. nauk 81 no. 2:217-247 O '63.

Making use of the possible analyticity of matrix elements with respect of the field coupling constant. IU. M. Lomsadze. Izv. vys. ucheb. zav.; fiz. no. 3:119-122 '63.

Monopolar transitions of atomic nuclei. L. A. Borisoglebskii. Usp. fiz. nauk 81 no. 2:271-334 O '63.

Multichannel scattering. A. L. Chistiakov. Usp. mat. nauk. 18 no. 5:201-208 S-O '63.

Nuclear resonance energy levels in single crystals in the presence of magnetic and quadrupole interactions. N. E. Ainbinder, V. S. Grechishkin. Izv. vys. ucheb. zav.; fiz. no. 5:27-31 '63.

Quantum effects in ferroelectric substances with hydrogen bonds. V. Kh. Kozlovskii. Fiz. tver. tela 5 no. 11: 3294-3300 N '63.

Quantum radiophysics and metrology. A. V. Kubarev. Izm. tekh. no. 10:5-7 O '63.

Quantum theory of transients in paramagnetic resonance (effective spin 1, equidistant spectrum). A. R. Kessel'. Fiz. tver. tela 5 no. 11:3120-3129 N '63.

Solov'ev, V. G. [Effect of pair correlations of the superconductive type on the properties of atomic nuclei] Vliianie parnykh korreliatsii sverkhprovodiashchego tipa na svoistva atomnykh iader. Moskva, Gosatomizdat, 1963. 74 p.

Temperature redistribution of electrons in the outer conduction band of elements. T. I. Kakushadze. Izv. vys. ucheb. zav., fiz. no. 3:142-149 '63.

Triple Fermi resonance in carbon tetrachloride molecules. E. M. Verlan, V. L. Strizhevskii. Izv. vys. [illegible] no. 5:113-117 '63.

RADAR IN NAVIGATION

Experimental determination of an efficient reflecting surface and of the operational height of small vessels. I. D. Demin. Trudy TSNIIMF 8 no. 47:25-35 '63.

Operating range of a radar system with an active response. I. D. Demin. Trudy TSNIIMF 8 no. 47:36-44 '63.

Radar beacon visibility zones. R. N. Chelnaev. Trudy TSNIIMF 8 no. 47:16-24 '63.

Radar station for river craft. R. Ivanov. Rech. transp. 22 no. 11:61-62 N '63.

RADAR METEOROLOGY

Use of radar in determining the phase state of clouds and precipitation. V. E. Minervin, A. B. Shupiatskii. Trudy TSAO no. 47:63-84 '63.

RADIATION

Controlling the radiation from a plane-parallel layer by means of gratings. O. A. Tret'iakov, V. P. Shestopalov. Opt. i spektr. 15 no. 5:709-712 N '63.

Data on the recombination of radicals from various tracks in radiolysis and the homogeneous kinetics. Part 3: Ranges of concentration and irradiation rates within which the simple radiolysis model is valid [with summary in English]. V. M. Biakov, B. V. Ershler. Zhur. fiz. khim. 37 no. 9:2018-2021 S '63.

Effect of radiation on relativistic particles moving in a magnetic field [with summary in English]. V. N. TSytovich. Izv. vys. ucheb. zav., radiofiz. 6 no. 5:918-927 '63.

Extraction system $Th(NO_3)_4$ - HNO_3 - H_2O - $(C_4H_9O)_3PO$ at 25°C studied by means of extraction rays. A. V. Nikolaev, IU. A. Afanas'ev, A. I. Riabinin. Dokl. AN SSSR 152 no. 5:1115-1117 O '63.

Fluctuations in atmospheric radio emission [with summary in English]. K. S. Stankevich, L. N. Bondar', Izv. vys. ucheb. zav., radiofiz. 6 no. 4:669-673 '63.

Radiation-induced oxidation of 1-heptene. V. V. Saraeva, TSzin' IUi-tai [Chin Yu-t'ai]. Kin. i kat. 4 no. 5:662-665 S-O '63.

Resonance radiation from a charge moving near a plasma slot [with summary in English]. G. V. Gorodinskii, V. V. Tamoikin. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4:721-728 '63.

RADIATION—DOSAGE

Scintillation method for X-ray and gamma-ray dosimetry. M. I. Arsaev, N. E. Sulimova. Prib. i tekh. eksp. 8 no. 4:59-63 Jl-Ag '63.

RADIATION—MEASUREMENT

All-Union comparison testing of long-wave radiation receivers at Tartu. IU. Ross, M. Sulev. Izv. AN SSSR, Ser. geofiz. no. 11:1762-1763 N '63.

RADIATION—PHYSIOLOGICAL EFFECT

Comparative radiosensitivity of the hereditary structures of cells in mammals in vitro. L. I. Lebedeva, T. D. Osetrova, IU. IA. Kerkis. Dokl. AN SSSR 152 no. 5: 1225-1226 O '63.

Effect of acrylamide and its hydrated derivative on irradiated biological systems. IU. P. Kozlov, T. N. Kalabukhova. Dokl. AN SSSR 152 no. 3:737-739 S '63.

"Effect of ionizing radiation on the sexual glands, pregnancy and intrauterine fetus" by V. I. Bodiazhina and others. Reviewed by E. P. Ivanitskaia. Akush. i gin. 39 no. 4:143 Jl-Ag '63.

Effect of small doses of ionizing radiation on the animal organism. I. S. Shkoliarenko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:343-346 '59.

Grodzenskii, D. E. [Radiobiology; biological effect of ionizing radiations] Radiobiologiia, biologicheskoe deistvie ioniziruiushchikh izluchenii. Moskva, Gosatomizdat, 1963. 198 p. (Nauchno-populiarnaia biblioteka Gosatomizdata)

Mechanism of experimental radiation-induced paradentosis. N. A. Fedorov, A. A. Prokhonchukov, N. A. Zhizhina. Teor. i prak. stom. no. 5:165-174 '61.

RADIATION—PROTECTIVE AGENTS

Stimulating effect of thesane and pentoxyl on the growth of transplantable tumors [with summary in English]. V. A. Chernichenko, N. M. Kralich. Vop. onk. 9 no. 7: 41-44 '63.

RADIATION—SAFETY MEASURES

Durikov, A. P., and V. I. Chumakov. [Protection of the population of a rural area from radioactive contamination] Zashchita naseleniia sel'skoi mestnosti ot radioaktivnogo zarazheniia. Moskva, Sel'khozizdat, 1963. 77 p.

Letter to the editors. S. A. Reinberg, B. M. Aliev. Vest. rent. i rad. 38 no. 5:78 S-O '63.

Protective screen for patients during X-ray diagnosis. F. P. Matvievskii. Vest. rent. i rad. 38 no. 5:60 S-O '63.

RADIATION—TOXICOLOGY

Postmortem diagnosis of radioisotope lesion in man [with summary in English]. D. A. Ulitovskii. Arkh. pat. 25 no. 6:67-71 '63.

RADIATION SICKNESS

Antipenko, E. N. [Residual manifestations of acute radiation sickness] Ostatochnye iavleniia ostroi luchevoi bolezni. Moskva, Medgiz, 1963. 153 p. (DNLM)

Changes in the peripheral blood in burn shock combined with acute radiation sickness. L. I. Rodina. Zdrav. Bel. 9 no. 3:26-28 Mr '63.

Conservation of bone marrow for the purposes of transplantation in radiation lesions. Zh. A. Pkhrikian, S. S. Amirkhanian. Zhur. eksp. i klin. med. 3 no. 4:57-60 '63.

Role of the pituitary-adrenal system in the development of symptoms of radiation pathology; review of literature. V. I. Kandror. Probl. endok. i gorm. 9 no. 5:109-117 S-O '63.

Treatment of radiation sickness by transfusion of protein hydrolysates. V. V. Mel'enov, I. I. Fedorov. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4:162-167 '60.

Use of streptomycin in the prevention of acute radiation sickness [with summary in English]. L. P. Semenov Antibiotiki 7 no. 10:912-916 O '62.

RADICALS (CHEMISTRY)

Calculation of the activation energy of radical reactions based on the additivity principle. F. B. Mein. Dokl. AN SSSR 152 no. 5:1169-1172 O '63.

Chemiluminescent method for determining the inhibitors of free radical reactions [with summary in English]. O. N. Karpukhin and others. Zhur. anal. khim. 18 no. 8:1021-1025 Ag '63.

Data on the recombination of radicals from various tracks in radiolysis and the homogeneous kinetics. Part 3: Ranges of concentration and irradiation rates within which the simple radiolysis model is valid [with summary in English]. V. M. Biakov, B. V. Ershler. Zhur. fiz. khim. 37 no. 9:2018-2021 S '63.

Effect of the adsorption of free radicals on the contact potential of n-semiconductors. E. E. Gutman, I. A. Miasnikov. Dokl. AN SSSR 152 no. 3:647-650 S '63.

RADICALS (CHEMISTRY)—SPECTRA

Effect of ultraviolet light on free radicals in γ-rayed polypropylene. V. K. Milinchuk, S. IA. Pshezhetskii. Dokl. AN SSSR 152 no. 3:665-667 S '63.

Radicals formed in low-temperature radiolysis of toluene. N. IA. Buben, V. A. Tolkachev, I. I. Chkheidze. Kin. i kat. 4 no. 5:683-687 S-O '63.

RADIO

All-Union conference on the development and use of radio communication in the national economy of the U. S. S. R. V. V. Sarapkin. Elek. sta. 34 no. 10:95 O '63.

All-Union session of the A. S. Popov Scientific and Technical Society of Radio and Electronics dedicated to "radio day." Radiotekhnika 18 no. 10:75-80 O '63.

Bookshelf. Radio no. 9:63-64 S '63.

Disruption in the tracking of an automatic frequency control system. N. V. Belousova, V. L. Lebedev. Radiotekhnika 18 no. 10:35-42 O '63.

Exchange of experience. Radio no. 9:48, 61, 63, . . . 62 S '63.

Exchange of experience. Radio no. 11:27, 32, 41, 46, 62 N '63.

Inspection of the creative work of Siberian radio amateurs. B. Belousov. Radio no. 9:6-7 S '63.

Mean number of overshoots in an n-threshold device. IU. A. Kashin. Radiotekhnika 18 no. 10:10-14 O '63.

Our consultations. Radio no. 9:60-63 S '63.

The Third All-Union Spartakiada. Radio no. 9:3 S '63.

Through the pages of foreign magazines. Radio no. 9:57-59 S '63.

Through the pages of foreign magazines. Radio no. 11: 60 N '63.

We should educate ardent patriots of the Soviet Union. Radio no. 9:1-2 S '63.

What is SSB operation? L. Labutin. Radio no. 9:20-23 S '63.

RADIO—ABSTRACTS

[Radio engineering and telecommunication] Ref. zhur.: Radiotekh. i elektrosviaz' no. 12 D '63.

RADIO—ANTENNAS

Effect of an antenna's directional diagram on the intensity of the radiation received when radio waves are scattered by tropospheric inhomogeneities [with summary in English]. IU. A. Ryzhov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 5:952-957 '63.

Lens antenna with beam swinging in a wide range. IU. A. Zaitsev. Radiotekhnika 18 no. 11:20-26 N '63.

RADIO—BIBLIOGRAPHY see Bibliography—Radio

RADIO—EQUIPMENT AND SUPPLIES

Bogoroditskii, N. P., and V. V. Pasynkov, eds. [Ceramic materials in radio engineering] Radiokeramika. [By] N. P. Bogoroditskii i dr. Moskva, Gosenergoizdat, 1963. 553 p.

Transistorized audio tracking device. R. Varlamov, V. Speranskii. Radio no. 11:25-27 N '63.

RADIO—INTERFERENCE

Markevich, A. A. [Control of radio interference] Bor'ba s pomekhami. Moskva, Fizmatgiz, 1963. 274 p.

Photoelectric storage method for improving noise control. V. N. Mikhailavskii, V. N. Pervushin. Vop. peredi. inform. 2:120-133 '63.

Suppression of impulse noise by intermittent amplitude limitation in the low-frequency channel of a radio receiver. M. V. Latvin. Izv. vys. ucheb. zav., radiotekh. 6 no. 5:508-513 S-O '63.

RADIO—NOISE

M-1 magnetograph for measuring the level of radio noises. Prib. i tekh. eksp. 8 no. 1:104 Ja-Ag '63.

RADIO—RECEIVERS AND RECEPTION

A block-type superheterodyne. V. Ivanov. Radio no. 11: 33-37 N '63.

A block-type superheterodyne receiver. V. Ivanov. Radio no. 9 36-37, 39 S '63.

Process of transition to the reception of an interfering station by a receiver of frequency-modulated signals. V. M. Sidorov. Radiotekhnika 18 no. 11,35-41 N '63.

Reaction of an amplitude receiver to oscillations modulated by phase or frequency fluctuations with detuning of the carrier frequency in respect to the receiver. B. D. Sergievskii. Radiotekh. i elektron. 8 no. 12,2016-2023 D '63.

Suppression of impulse noise by intermittent amplitude limitation in the low-frequency channel of a radio receiver. M. V. Latvin. Izv. vys. ucheb. zav., radiotekh. 6 no. 5:508-513 S-O '63.

Theory of optimum radio reception techniques. L. S. Gutkin. Izv. AN SSSR. Tekh. kib. no. 5:84-89 S-O '63.

RADIO—TRANSMITTERS AND TRANSMISSION

Abridged representation of signals with the aid of a system of orthogonal functions. A. M. Zaezdnyi, G. V. Elduklavichius. Radiotekhnika 18 no. 11:5-12 N '63.

Balanced transmitter of a low-frequency telemetering system. G. I. Fomin. Trudy VNIIE no. 7:202-207 '56.

Calculation of the output power of radio transmitters. A. Krivoguzov. Radio no. 9:17-18, 27 S '63.

Passage of signals through a nonlinear quadripole. O. E. Andreev, V. B. Ponkratov. Radiotekhnika 18 no. 11:13-19 N '63.

Power supply of the "Nedra-1" radio transmitter. V. Malechii. Radio no. 9:44-45 S '63.

RADIO, MILITARY

Role of radio communication in the battle for Kiev. V. Ivanov. Radio no. 11:4-6 N '63.

Training radiomen to the level of new demands. M. Chernous, P. Zingerman. Voen. vest. 43 no. 10: 105-107 O '63.

RADIO, SHORTWAVE

Short radio waves. Radio no. 9:13 S '63.

RADIO, SHORTWAVE—ANTENNAS

Antennas for 430-440 mc. operation. V. Lomanovich, D. Penkin. Radio no. 11:23-24 N '63.

RADIO, SHORTWAVE—RECEIVERS AND RECEPTION

Improvement in the selectivity of shortwave receivers. R. Gaukhman. Radio no. 8,10 S '63.

RADIO, SHORTWAVE—TRANSMITTERS AND TRANSMISSION

Improved illumination of the blue screens. B. S. Diskii. Vest. sviazi 23 no. 10:22-23 O '63.

Servicing of shortwave FM stations with remote control. V. N. Bel'skii. Vest. sviazi 22 no. 11:12-13 N '62.

RADIO AMPLIFIERS

New circuits of selective RC-amplifiers with parallel negative feedback. A. I. Belichenko. Radiotekhnika 18 no. 11:27-34 N '63.

RADIO ASTRONOMY

Measuring the radio emission spectrum of the night side of Venus in the microwave band. Iu. N. Vetukhnovskaia and others. Izv. vys. ucheb. zav.; radiofiz. 6 no. 5: 1054-1056 '63.

Nature of the radio galaxy Cygnus-A [with summary in English]. N. S. Kardashov. Astron. zhur. 40 no. 6: 965-971 N-D '63.

Polarization of the radio emission from discrete sources, and the exploration of the metagalactic and galactic spaces and spaces near the sun [with summary in English]. V. L. Ginzburg, V. V. Pisareva. Izv. vys. ucheb. zav.; radiofiz. 6 no. 5:877-888 '63.

Radiation intensities of the moon, sun, and a number of discrete sources at a frequency of 927 Mc. V. A. Razin, V. T. Fedorov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 5: 1052-1053 '63.

Radio emission from the moon and sun at a wavelength of 1.3 mm. [with summary in English]. L. I. Fedoseev. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4:655-659 '63.

Radio emission of the moon and the sun at a wavelength of 1.6 mm. A. I. Naumov. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4:845-849 '63.

Radio emission spectra of the discrete sources Cassiopeia-A, *Cygnus-A, Taurus-A, and Virgo-A* at frequencies of 12, 5 to 40 Mc. [with summary in English]. L. L. Bazelian and others. Izv. vys. ucheb. zav., radiofiz. 6 no. 5 897-903 '63.

Remarks on the nature of jets of radio galaxies [with summary in English]. I. S. Shklovskii. Astron zhur 40 no. 6,972-981 N-D '63.

Results of the observation of radio spots on the sun at the wavelength $\lambda = 6$ m. [with summary in English]. L. I. Matveenko. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4,660-668 '63.

Theory of lunar integral radio emission (with summary in English). V. D. Krotikov. Izv. vys. ucheb. zav., radiofiz. 6 no. 5,889-896 '63.

RADIO BEACONS

Use of sector radio beacons. F. Tokarev. Mor. flot 23 no. 11:18-20 N '63.

RADIO CIRCUITS

Dynamic condensers control the frequency. E. Vershchagin. Radio no. 9 46-48 S '63.

Measurements in low-frequency a. c. circuits. B. Rymar'. *Radio no. 9, 32-33 S '63.*

RADIO CLUBS
(see also subdivision under Nezhin)

At the sources of radio sport. F. Lbov. Radio no. 9:10-13 S '63.

Good deeds of the "contemporary of the seven-year plan. K. Filatov. Radio no. 11:9-10 N '63.

More attention to the education of youth. B. Kobets. *Radio no. 11:6-7 N '63.*

Our friendship must grow and strengthen. Radio no. 11: 16 N '63.

Outstanding initiative. B. Belousov. Radio no. 11:7 N '63.

Surprises of victory. N. Kazanskii. Radio no. 11:14-15 N '63.

RADIO CONTROL

Automatic control of some parameters of radio electric equipment by the statistical testing method P. V. Mazurin. Avtom. i prib. no. 4:22-25 O-D '63.

RADIO DETECTORS

Calculation of the output power of a detector with almost real characteristics during simultaneous signal and noise detection. A. S. Protopopov. Radiotekh. i elektron. 8 no. 12:2024-2033 D '63.

Point-contact silicon diodes in an amplitude detector. V. Artamonov. Radio no. 9,52-53 S '63.

RADIO FILTERS

Al'bats, M. E. [Handbook for designing filters and delay lines] Spravochnik po raschetu fil'trov i linii zaderzhki. Moskva, Gosenergoizdat, 1963. 200 p.

RADIO FREQUENCY

Reception theory of low-frequency radio signals of random form. V. F. Nesteruk. Trudy LKI. no. 36: 135-141 '62.

RADIO FREQUENCY MODULATION

Use of a recirculator for the contraction of frequency-modulated signals. V. V. Lebedev. Radiotekhnika 18 no. 11,62-70 N '63.

RADIO IN AGRICULTURE

Local radio broadcasting deserves attention and help. I. Chuprynin. Part. zhizn' no. 24:65-67 D '63.

RADIO IN EDUCATION

Here is the school radio station! G. IA. Dorf-Shuster. Sov. pedag. 27 no. 10:56-60 O '63.

RADIO IN NAVIGATION

Use of radio navigation systems (RNS) for navigation on approaches to harbors, on canals and in narrows. V. I. Bykov, V. V. Pravdiuk. Trudy TSNIIMF 8 no. 47 3-15 '63.

RADIO INDUSTRY

Gordon, A. L., and L. S. Rossiianskii. [Economics, organization, and planning in the radio industry] Ekonomika, organizatsiia i planirovanie radiotekhnicheskogo proizvodstva. Moskva, Gosenergoizdat, 1963. 361 p.

Rubchinskii, A. M. [Organization and planning of production in a radio apparatus factory] Organizatsiia i planirovanie proizvodstva na zavode radioapparatury. Moskva, Gosenergoizdat, 1963. 271 p.

RADIO INDUSTRY WORKERS—DISEASES AND HYGIENE

Occupational diseases of the skin in workers of the radio-receiver sets industry. G. P. Elizarov. Gig. truda i prof. zab. 7 no. 1:48-50 Ja '63.

RADIO JOURNALISM

Where success came from. V. IUrchenko. Sov. pech. no. 11:38-41 N '63.

RADIO LINES

Wave processes in lines with shunting nonlinear resistances. T. M. Il'inova, R. V. Khokhlov. Radiotekh. i elektron. 8 no. 12:2008-2015 D '63.

RADIO MEASUREMENTS

Absolute measurement of the power of weak harmonic signals using a radiometer. V. I. Vinokurov, V. I. Makkaveev. Izv. LETI no. 47 63-72 '62.

Letter to the editor. V. V. TSvetnov, V. A. Veitsel', V. A. Arkhangel'skii. Radiotekhnika 18 no. 10 73-74 O '63.

Measurement of the instantaneous values of periodic pulse voltages using a compensation technique. IU. K. Barsukov. Izv. LETI no. 47 109-116 '62.

Measurements in low-frequency a. c. circuits. B. Rymar'. Radio no. 9:32-35 S '63.

Radio engineering method for measuring the coefficient of internal friction V. S. Shitnev, G. I. TSikolin. Izv. LETI no. 47:46-55 '62.

Shubarin, IU. V., and A. F. Zorkin. [Antenna measurements at superhigh frequencies] Antennye izmereniia na sverkhvysokikh chastotakh, antennyi praktikum. Khar'kov, Izd-vo Khar'kovskogo univ., 1962. 170 p.

RADIO OPERATORS
(see also subdivision under Lvov)

Follow-up of articles published in our periodical. A. Kopylov, G. Bezymenskii. Radio no. 11 16-17 N '63.

The gold medals have been won by the Moscow team. F. Rosliakov. Radio no. 11:11 N '63.

Good deeds of the "contemporary of the seven-year plan." K. Filatov. Radio no. 11 9-10 N '63.

New classes of norms and requirements. Radio no. 9: 14-15 S '63.

Next congress of the IARU. N. Kazanskii. Radio no. 9 16 S '63.

Our friendship must grow and strengthen. Radio no. 11: 16 N '63.

Requirements of radio operators. M. K. Maslennikov. Avtom., telem. i sviaz' 7 no. 11:24 N '63.

Surprises of victory. N. Kazanskii. Radio no. 11:14-15 N '63.

The tournament of the best radio amateurs. A. Grif. Radio no. 11,12-14 N '63.

Ultrashort radio waves. Radio no. 11:22 N '63.

RADIO OPERATORS—EDUCATION AND TRAINING

Portable kit for training radio operators. N. Ronzhin. Radio no. 11:19-21 N '63.

RADIO PROGRAMS

Study the inquiries of radio and television audiences. A. Shumarov. Part. zhizn' no. 23:67-70 D '63.

RADIO RELAY SYSTEMS

PPM-AM modulation with time division of channels in a radio relay line. L. G. IAnin. Vest. sviazi 22 no. 11: 6-10 N '62.

Some cases of the dependence of periodic movements of a relay system on the parameters [with summary in English]. V. A. Brusin, IU. I. Neimark, M. L. Feigin. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4:785-800 '63.

RADIO WAVES
(see also subdivision under Mirnyy region, Antarctica)

Propagation of radio waves along a nonuniform earth surface. A. N. Plemiannikov. Izv. vys. ucheb. zav., radiotekh. 6 no. 5 457-466 S-O '63.

RADIO WAVES—SCATTERING

Effect of an antenna's directional diagram on the intensity of the radiation received when radio waves are scattered by tropospheric inhomogeneities [with summary in English]. IU. A. Ryzhov. Izv. vys. ucheb. zav., radiofiz. 6 no. 5:952-957 '63.

Experimental determination of an efficient reflecting surface and of the operational height of small vessels. I. D. Demin. Trudy TSNIIMF 8 no. 47:25-35 '63.

RADIO WAVES—SPECTRA

Recommendations of the International Radio Consultative Committee on radio signal spectra. M. S. Gurevich. Vest. sviazi 23 no. 10:9-11 O '63.

RADIOACTIVATION ANALYSIS

Analysis of pure silicon carbide by the neutron activation method [with summary in English]. E. A. Isaeva, I. E. Makasheva, A. P. Obukhov. Zhur. anal. khim. 18 no. 8: 978-983 Ag '63.

Determination of sodium in metallic tungsten by the radioactivation method [with summary in English]. *V. I. Spitsyn and others.* Zhur. anal. khim. 18 no. 10: 1272-1273 O '63.

Use of multichannel analyzers for activation analysis [with summary in English]. S. S. Kurochkin. Zhur. anal. khim. 18 no. 10:1192-1197 O '63.

RADIOACTIVE FALLOUT
(see also subdivision under Neva River region)

Determining the coefficient of rain scavenging of radioactive dust. K. P. Mavhonko Izv. AN SSSR, Ser. geofiz. no. 11:1709-1717 N '63.

Estimating the average scavenging rate for natural radioactive aerosols from the atmosphere by clouds and precipitation. I. L. Karol'. Izv AN SSSR, Ser. geofiz. no. 11:1716-1729 N '63.

RADIOACTIVE SUBSTANCES

Apparatus for determining the solubility of radioactive substances at elevated temperatures and pressures. V. V. Ivanenko and others. Atom. energ. 15 no. 5:426-428 N '63.

Permiakov, V. M. [Radioactive emanations] Radioaktivnye emanatsii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 174 p.

RADIOACTIVITY—MEASUREMENT

Apropos N. I. Volkova's article "Hygienic characteristics of some cases of the use of radioactive isotopes at blast-furnace plants." Kh. A. Ekhviart. Gig. truda i prof. zab. 7 no. 1:60 Ja '63.

N. I. Volkova's answer to Kh. A. Ekhviart's comments. Gig. truda i prof. zab. 7 no. 1:60-61 Ja '63.

RADIOACTIVITY—SAFETY MEASURES

Averbukh, V. L., and I. Z. Berlin. [How to protect cereal products against radioactive, chemical substances, and bacterial agents] Kak zashchitit' khleboprodukty ot radioaktivnykh, khimicheskikh veshchestv i bakterial'nykh sredstv. Moskva, TsINTI, 1963 44 p.

RADIOBIOLOGY

Grodzenskii, D. E. [Radiobiology, biological effect of ionizing radiations] Radiobiologiia, biologicheskoe deistvie ioniziruiushchikh izluchenii Moskva, Gosatomizdat, 1963. 198 p. (Nauchno-populiarnaia biblioteka Gosatomizdata)

RADIOBROADCASTING
(see also subdivision under Ukraine)

Some technological features of the organization of stereophonic radio broadcasting and improvement of the quality of single-channel low-frequency broadcasting systems. I. A. Shamshin. Vest. sviazi 22 no. 11,10-11 N '62.

RADIOCHEMISTRY

Effect of irradiation techniques on the effectiveness of radiation-chemical processes. N. P. Syrkus. Dokl. AN SSSR 152 no. 5:1185-1188 O '63.

Lavrukhina, A. K., T. V. Malysheva, F. I. Pavlotskaia. [Radiochemical analysis] Radiokhimicheskii analiz. Moskva, Izd-vo Akad. nauk SSSR, 1963. 219 p.

RADIOGRAPHY

Clinicoroentgenological correlations in peptic ulcer in elderly persons. A. V. Sherstnev, A. V. Shelepov. Klin. med. 41 no. 7 133-137 Jl '63.

Hazards and complications in special examination of lung diseases [with summary in English]. O. S. Shkrob, V. S. Pomelov. Khirurgiia 39 no. 7:108-112 Jl '63.

Radiography of spontaneous nuclear fission. V. P. Perelygin, S. P. Tret'iakova. Prib. i tekh. eksp. 8 no. 5:73-74 S-O '63.

"X-ray diagnosis of covered perforated ulcers of the stomach and the duodenum" by M. V. Rogozina. Reviewed by N. S. Timofeev. Vest. khir. 91 no. 7:136-139 Jl '63.

RADIOISOTOPES—INDUSTRIAL APPLICATIONS
(see also subdivision under Armenia)

Kabanov, F. I. [Radioactive isotopes in chemistry] Radioaktivnye izotopy v khimii. Moskva, Gosatomizdat, 1963. 68 p. (Nauchno-populiarnaia biblioteka Gosatomizdat)

Stand for testing radioisotope density relays. K. S. Klempner, I. M. Cherednichenko. Izm. tekh. no. 11:48-50 N '63.

RADIOISOTOPES—PHYSIOLOGICAL EFFECT

Assimilation of different isotopes by the organs of animals in relation to their species, age and individual properties according to data of contact radiography [with summary in English]. Z. P. Zhemkova, N. D. Perumova. Trudy Inst. onk. AMN SSSR. no. 3:201-213 '60.

RADIOISOTOPES—THERAPEUTIC USE

Atom on a conveyer. Sov. Soiuz no. 11:27-29 '63.

RADIOLOGY
(see also subdivision under Zaporozh'ye Province)

New recommendation of the International Committee of Radiological Units on the quantities and units of ionizing radiations. Izm. tekh. no. 10:54-59 O '63.

RADIOLOGY—BIBLIOGRAPHY see Bibliography—Radiology

RADIOLOGY, MEDICAL

Burmazian, A. I., and A. V. Lebedinskii, eds. [Radiation medicine] Radiatsionnaia meditsina; posobie dlia vrachei i studentov. Izd. 3., perer. i dop. Moskva, Gosatomizdat, 1963. 371 p.
(DNLM)

RADIOMETER

Bryzgunov, V. A. [Radiometer for determining I^{131} in the human thyroid gland] Radiometr dlia izmereniia toda-131 v shchitovidnoi zheleze cheloveka. Moskva, In-t atomnoi energii im. I. V. Kurchatova, 1960. 11 p.

RADIOMETRY

Investigating the diffusion of phosphorus in iron by the radiometric method. P. L. Gruzin, V. V. Murat'. Fiz. met. i metalloved. 16 no. 4:551-556 O '63.

Khazanov, B. I., ed. [Radiometric process instrumentation] Kontrol'no-izmeritel'naia radiometricheskaia apparatura. [By] S. I. Babichenko i dr. Moskva, Gosatomizdat, 1963. 148 p.

Radioactivity of some organisms in the Neman River [with summary in English]. F. V. Ghitovt, O. G. Mironov. Zool. zhur. 42 no. 10:1574-1576 '63.

Radiometric determination of iron in sulfide ore concentrates and agglomerates. V. I. Ivanov, P. D. Korzh. Zav. lab. 29 no. 11 1296-1298 '63.

Tracer method study of the character of the breakdown of the polymer-substrate adhesive joint [with summary in English]. V. K. Gromov and others. Zhur. fiz. khim. 37 no. 9.2077-2081 S '63.

Wide-range roentgenometer. V. P. Ivanov, K. F. Manin, A. M. Kuzin. Prib. i tekh. eksp. 8 no. 5,65-69 S-O '63.

RADIOSCOPIC DIAGNOSIS see Diagnosis, Radioscopic

RADIOSONDES

Characteristics of atmospheric sounding by helicopters carried on ships. I. V. Vasil'chenko. Trudy GGO no. 140,84-94 '63.

Electric meteorograph operated on a helicopter. A. A. Ledokhovich. Trudy GGO no. 140:71-78 '63.

Methods for attaching meteorographs on MI-1 and MI-4 helicopters. S. I. Maslov, E. P. Krokhin. Trudy GGO no. 140:79-83 '63.

Radiometeorograph operated on a helicopter. IU. S. Dovgalluk, V. I. Miukhkiuria, G. A. Tiul'kova. Trudy GGO no. 140:65-70 '63.

RADIOSPECTROSCOPY see Microwave spectroscopy

RADIOTELEPHONE see subdivision under Lugansk Province

RADIOTHERAPY

Combined hormone and chemotherapy and radiotherapy of far advanced breast cancer [with summary in English]. L. IU. Dymarskii and others. Vop. onk. 9 no. 7:44-52 '63.

Mesodermal tumor of the body of the uterus originating ten years after radiotherapy of uteri cervical cancer [with summary in English]. A. N. Kosareva. Vop. onk. 9 no. 7:93-95 '63.

Surgical treatment and radiation therapy of lymphogranulomatosis. I. G. Peregudov. Vest. khir. 90 no. 6:119-120 Je '63.

RADIUM—THERAPEUTIC USE

Importance of the difference between the gamma-spectra of radium and radioactive cobalt (Co^{60}) in clinical practice [with summary in English]. N. D. Perumova. Trudy Inst. onk. AMN SSSR. no. 3:148-157 '60.

RADUL', BATTLE OF, 1943

Mastery, courage. A. Telegin. Voen. vest. 43 no. 11:11-13 N '63.

RADVANYI, NETTY (REILING), 1900-

Fulcrum. L. Lazarev. Nov. mir 38 no. 6:255-259 Je '62.

RAILROAD BRIDGES

Dynamic effect of trains with electric traction on metal spans of reinforced concrete bridges. IU. G. Kozmin, I. N. Nevzorov. Sbor. trud. NII mostov, no. 7:102-128 '62.

Problem of determining the weight of metal spans. A. D. Sergievskii. Sbor. trud. NII mostov. no. 7:66-76 '62.

Reinforced concrete construction in winter time. I. M. Sheinman. Put' i put. khoz. 7 no. 12:29 '63.

Results of the operation of prestressed concrete bridges. G. K. Evgrafov, A. S. Antipov. Put' i put. khoz. 7 no. 12:30-31 '63.

Study of a bridge road on wooden cross beams. D. I. Vasil'ev, A. M. Nemzer. Sbor. trud. NII mostov no. 7:26-57 '62.

Track profile on bridges and high traveling speed of trains. D. I. Vasil'ev. Sbor. trud. NII mostov no. 7:77-101 '62.

Unballasted bridge road on reinforced concrete slabs. D. I. Vasil'ev, A. M. Nemzer. Sbor. trud. NII mostov no. 7:6-25 '62.

Use of gabions and levee baskets for the stabilization of river channels. N. I. Semenov. Put' i put. khoz. 7 no. 12:32-33 '63.

RAILROAD BRIDGES—MAINTENANCE AND REPAIR
(see also subdivision under Siberia)

Introduction of a new technology of cleaning and painting bridges. IU. D. Rekhovskii, V. K. Afanas'ev. Sbor. trud. NII mostov no. 7:129-133 '62.

Urgent tasks in bridge maintenance and repair. S. P. Orlov. Put' i put. khoz. 7 no. 12 24-25 '63.

RAILROAD ENGINEERING

Track crossing by mains. L. G. Filin. Put' i put. khoz. 7 no. 11:14-45 '63.

Vertsman, G. Z., and P. I. Panteleev, eds. [Design and planning of railroad stations and junctions] Proektirovanie zheleznodorozhnykh stantsii i uzlov; spravochnoe i metodicheskoe prokzvodstvo. Moskva, Transzheldorizdat, 1963. 443 p.

RAILROAD LAW

Supervising the observance of Soviet railroad laws. I. Baidakov. Sots. zakon. 40 no. 9 65 S '63.

RAILROADS
(see also subdivision under Africa)

New developments in foreign technology. Zhel. dor. transp. 45 no. 11 89-92 N '63.

Railroad news. Zhel. dor. transp. 45 no. 11,93 N '63.

The right of way. Put' i zhizn' no. 21-75-78 N '63.

RAILROADS—ABSTRACTS

[Railroad transportation] Ref. zhur.: Zhel. dor. transp. no. 12 D '63. Predmetnyi ukazatel' za 1962 g.

RAILROADS—ACCOUNTING

Business accounting by shifts in the railroad stations. V. F. Grigoriuk. Zhel. dor. transp. 45 no. 11:72-73 N '63.

Mechanization of accounting work in a railroad division. I. G. Chernyshev. Zhel. dor. transp. 45 no. 11:73 N '63.

Problems of planning and business accounting in signaling and communication districts. E. G. Kokhanovskii, A. A. Safronova, M. N. Larina. Avtom., telem. i sviaz' 7 no. 11,16-19 N '63.

RAILROADS—AUDITING AND INSPECTION see subdivision under Caucasus, Northern

RAILROADS—AUTOMATIC TRAIN CONTROL

Survey of foreign journals. Avtom., telem. i sviaz' 7 no. 11:47-48 N '63.

Train operating without a brakeman. R. Dilimov. Zvezda no. 5:179-180 My '02.

RAILROADS—BIBLIOGRAPHY see Bibliography—Railroads

RAILROADS—BRAKES

"Temperature conditions in braking." D. E. Karminskii, V. I. Khrulev. [Sbor. trud.] RIIZHT no. 32:190-230 '61.

Vukolov, L. A., and V. K. Usponskii. [Control of block and disk brakes with blocks and disks made from composition materials] Upravlenie kolodochnymi i diskovymi tormozami s kolodkami i nakladkami iz kompozitsionnogo materiala. Moskva, Transzheldorizdat, 1963. 20 p. (Dostizhenila nauki i tekhniki v proizvodstvo)

Work done by the brake shoes of freight trains on long down gradients. L. A. Vukolov. Vest. TSNII MPS 22 no. 7:18-22 '63.

RAILROADS—BUILDINGS AND STRUCTURES see subdivision under Petrozavodsk

RAILROADS—CARS see subdivision under Kalinin

RAILROADS—CARS—MAINTENANCE AND REPAIR

Continuous line methods for the repair of passenger cars in the factory. V. S. Gerasimov. Zhel. dor. transp. 45 no. 11:65-67 N '63.

RAILROADS—COMMUNICATION SYSTEMS

Dispatcher-to-train radio communication with harmonic selective signaling. A. I. Ovinnikov, V. A. Laptev. Avtom., telem. i sviaz' 7 no. 11:34-35 N '63.

Equipment bay ShRPS-54 is being connected by the engineer. A. I. Ovinnikov. Avtom., telem. i sviaz' 7 no. 11:30-31 N '63.

High-frequency communication systems. A. A. Dobrosserdov. Put' i put. khoz. 7 no. 11:13-14 '63.

Means for improving dispatcher-to-train radio communication. A. A. Tantsiura. Avtom., telem. i sviaz' 7 no. 11:1-7 N '63.

Testing the reception channel of supersonic telegraphy equipment. P. I. Il'ichev. Avtom., telem. i sviaz' 7 no. 11:31 N '63.

RAILROADS—CROSSINGS

My proposals on crossings. I. P. Samsonov. Put' i put. khoz. 7 no. 10:43 '63.

What kind of profile for crossings? A. N. Leonov. Put' i put. khoz. 7 no. 10:43 '63.

RAILROADS—DESIGN AND CONSTRUCTION
(see also subdivision under Krasnoyarsk Territory)

Innovators make suggestions. Transp. stroi. 13 no. 9:67 S '63.

AILROADS—DESIGN AND CONSTRUCTION (Continued)

Kocnov, I. N. [Civil engineering structures in railroad transportation] Iskusstvennye sooruzheniia zheleznodorozhnogo transporta, Izd. 3., dop. i perer. Moskva, Transzheldorizdat, 1963. 336 p.

AILROADS—EARTHWORK—COLD WEATHER CONDITIONS

Construction of roadbeds in the wintertime. Z. V. Kalashnikova. Transp. stroi. 13 no. 9 3-4 S '63.

AILROADS—ELECTRIC EQUIPMENT

Discussion of the article "Instructions should be reviewed." M. F. Kiselev, D. M. Gumburg. Avtom., telem i sviaz' 7 no. 11:37-39 N '63.

[Electric equipment and air conditioning systems for passenger cars] Elektrooborudovanie i konditsionirovanie vozdukha passazhirskikh vagonov. [By] M. R. Barskii i dr. Moskva, Transzheldorizdat, 1963. 234 p.

Electric power supply to apparatus from the electric lines. A. M. L'vitayn. Put' i put. khoz. 7 no. 12:14 '63.

Give paramount attention to the electrification of track work. Put' i put. khoz. 7 no. 12 12-13 '63.

Improving the bar. V. V. Fomin. Put' i put. khoz. 7 no. 12:15 '63.

Make better use of the transformers. N. L. Sukhin. Put' i put. khoz. 7 no. 12:16 '63.

New carbon contactors for relays of CTC systems. Avtom., telem. i sviaz' 7 no. 11:35 N '63.

Polarized plug-in relay. P. N. Zhil'tsov. Avtom., telem. i sviaz' 7 no. 11:14-15 N '63.

RAILROADS—ELECTRIFICATION

Experience in the reconstruction of tunnels on electrified lines. I. I. Merinov. Put' i put. khoz. 7 no. 12:34-35 '63.

Osipov, S. I. [Characteristics of traction systems; lecture on the subject "Electric Traction of Trains" for students of the V and VI course specializing in "The Electrification of Railroads"] Kharakteristiki tiagovogo rezhima; lektsiia po distsipline "Elektricheskaia tiaga poezdov" dlia studentov V i VI kursov spetsial'nosti "Elektrifikatsiia zheleznodorozhnogo transporta." Moskva, Vses. zaochnyi in-t inzhenerov zhel-dor. transporta, 1963. 48 p.

Possibilities of reducing the costs of railroad electrification. S. I. Ignatov. Zhel. dor. transp. 45 no. 11:13-16 N '63.

RAILROADS—ELECTRONIC EQUIPMENT

Compensation of the frequency characteristics of the SkRPS-IV linear amplifier. IU. P. Shevchenko. Avtom., telem. i sviaz' 7 no. 11:36-37 N '63.

Improvement of BDK-TsNII-57 dispatcher control networks. V. I. Shcherbakov. Avtom., telem. i sviaz' 7 no. 11:25-27 N '63.

RAILROADS—EMPLOYEES
(see also subdivision under Khorezm Province; Ursatevskaya; Uzbekistan)

Higher standards of educational work! Put' i put. khoz. 7 no. 10:1-2 '63.

Progressive collective. Put' i put. khoz. 7 no. 12:36-37 '63.

Railroaders, beacons of socialist competition. L. I. Maksimenko. Put' i put. khoz. 7 no. 10:5 '63.

An untiring efficiency expert. A. E. Gizel'is. Avtom., telem. i sviaz' 7 no. 11:23-24 N '63.

We improve labor organization daily. G. I. Shuba. Avtom., telem. i sviaz' 7 no. 11:20-23 N '63.

RAILROADS—EMPLOYEES—DISEASES AND HYGIENE

Improve the working conditions. IU. N. Miachkov. Put' i put. khoz. 7 no. 12:43 '63.

RAILROADS—EMPLOYEES—EDUCATION AND TRAINING

Training of mechanization specialists. V. A. Shepetia. Put' i put. khoz. 7 no. 11:22 '63.

RAILROADS—EMPLOYEES—MEDICAL CARE see subdivision under Odessa

RAILROADS—EQUIPMENT AND SUPPLIES

Brief notes on new developments in foreign countries. Put' put. khoz. 7 no. 11:47 '63.

Chemistry and transportation. V. D. Skorokhodov. Zhel. dor. transp. 45 no. 11:17-19 N '63.

Contribution of the innovators. S. A. Fedotov. Put' i put. khoz. 7 no. 11:30 '63.

Eliminate the shortcomings of the equipment for track alignment. N. A. Karpov, V. I. Shestopalov. Put' i put. khoz. 7 no. 11:21-22 '63.

"Energy theory of the strength of visco-elastic materials." A. I. Vinogradov, V. G. Andrievskii. Nauch. trudy KHIIT no. 58:109-120 '62.

Icebreaker. L. A. Lipman. Put' i put. khoz. 7 no. 12:37 '63.

Improved technology. A. D. Demichev. Put' i put. khoz. 7 no. 10:9 '63.

Ladder with hooks. Kh. P. Levkin. Put' i put. khoz. 7 no. 11:39 '63.

Needed textbook. A. A. Dulgarian. Put' i put. khoz. 7 no. 10,41 '63.

Show more boldness in the adoption of modern equipment, and make better use of it. Put' i put. khoz. 7 no. 11 1-2 '63.

There is a possibility to increase the operative efficiency of track maintenance machinery. B. A. Konoplev, V. M. IUferev. Put' i put. khoz. 7 no. 11:15-17 '63.

Track machinery stations in a railroad division. A. T. Doroshevich. Put' i put. khoz. 7 no. 10:11-14 '63.

Use of pallets in centralized freight handling. I. V. Shtefko. Zhel. dor. transp. 45 no. 11.68-70 N '63.

Use stronger materials for the insulation spacers. M. A. Dzhabarov. Put' i put. khoz. 7 no. 10:44 '63.

Useful device. L. M. Tabakov. Put' i put. khoz. 7 no. 11:31 '63.

Useful proposals of efficiency promoters of the Southern Railroad. L. A. Mstibovskaia. Put' i put. khoz. 7 no. 10:30 '63.

Year-round use of a snow plow. R. IA. Nukka. Put' i put. khoz. 7 no. 12.16 '63.

RAILROADS—FREIGHT
(see also subdivision under Baku)

Improving the freight operations on approach tracks. T. V. IAkovlev, D. M. Rezer. Zhel. dor. transp. 45 no. 11:75-76 N '63.

RAILROADS—FREIGHT CARS

Dynamic qualities of eight-axle gondola cars and their action on the track. M. F. Verigo and others. Vest. TSNII MPS 22 no. 7:3-9 '63.

Modernization of four-axle gondola cars and an increase of their carrying capacity. E. B. Rikina, M. T. Naidenkov. Zhel. dor. transp. 45 no. 11:67-68 N '63.

Reducing the empty running of box cars and containers. M. A. Smorodinov. Zhel. dor. transp. 45 no. 11 20-22 N '63.

RAILROADS—GAUGES

Effect of the narrowing of the gauge on the state of stress of railroad tracks and on the smoothness of train movement. S. V. Amelin, M. P. Smirnov, V. F. IAkovlev. Shor. trud. LIIZhT no. 191:3-27 '63.

RAILROADS—LABOR PRODUCTIVITY

Make use of the potentials for the growth of labor productivity in every possible way. Zhel. dor. transp. 45 no. 11:3-7 N '63.

RAILROADS—MAINTENANCE AND REPAIR

Angelotko, V. I., G. I. Zolotukhin, and I. M. Nepokupnyi. [Collective of creative labor, experience of the railroad workers of the Lozovaya Division of the Southern Railroad] Kollektiv tvorcheskogo truda, opyt puteitsev Lozovskoi distantsii IUzhnoi dorogi. Moskva, Transzheldorizdat, 1963. 41 p.

Answering queries. Put' i put. khoz. 7 no. 11:33 '63.

Characteristics of the maintenance of tracks with reinforced concrete ties. B. V. Sorokin. Put' i put. khoz. 7 no. 11:5-6 '63.

Efficiency of "intervals" with various lengths of time. V. I. Sivolob. Put' i put. khoz. 7 no. 10:14-16 '63.

Icing of pipes. N. I. Stul'nikov. Put' i put. khoz. 7 no. 11:35 '63.

Increasing the operative efficiency in track laying during an "interval." G. IA. Mil'man. Put' i put. khoz. 7 no. 11:10-12 '63.

Maintenance of joints. M. S. Bochenkov. Put' i put. khoz. 7 no. 11:8-9 '63.

Method for restoring the strength of dowels. A. M. Bezrukov, N. A. Belov, M. M. Barsukov. P[illegible] 7 no. 11:18 '63.

New instruction on the maintenance of en[illegible]tures. O. S. Shebiakin. Put' i put. khoz 28 '63.

Our method for the maintenance of track type of fastenings. IU. N. D'iachkov. 7 no. 10:6-7 '63.

Section rates first in track maintenance. Put' i put. khoz. 7 no. 11:17-18 '63.

Straightening of the profile and raising o[illegible] formed during one "interval." V. P. Z[illegible] Put' i put. khoz. 7 no. 10:10 '63.

Track maintenance and repair in tunnel[illegible] vetskii. Put' i put. khoz. 7 no. 10:6-7

Track-skeleton assembly points and the railroad line. L. M. Danovskii and oth[illegible] khoz. 7 no. 12:17-20 '63.

Use of a grab excavator for cutting out [illegible] the roadbed. S. P. Sychev. Put' i put. 28 '63.

Use of the tamping machine "ShchOM-[illegible] tenance and repair of continuous rail [illegible] Novakovich. Put' i put. khoz. 7 no. [illegible]

Waterproof blanket. M. S. Karimov. 7 no. 12:6-8 '63.

Who should accompany the defectoscop[illegible] Put' i put. khoz. 7 no. 12:41 '63.

RAILROADS—MAKING UP TRAINS see subdivision under Hungary

RAILROADS—MANAGEMENT
(see also subdivision under White Russia)

Booklet throwing light upon valuable experiences. P. L. Fedorov. Put' i put. khoz. 7 no. 10 11 '63.

Improve the planning, increase labor productivity. M. I. Bystritskii. Put' i put. khoz. 7 no. 11:32-33 '63.

Is there time left for handling the technical matters? A. I. Ryzhkov. Put' i put. khoz. 7 no. 10:43 '63.

Manychenko, V. P., and IU. A. Riazantseva. [Operation of locomotives] Eksploatatsiia lokomotivov. Moskva, Transzheldorizdat, 1963. 415 p. diagrs. insert.

Planning of operations on railroads under the new conditions. IA. L. Volchek, I. T. Smirnov. Zhel. dor. transp. 45 no. 11 60-64 N '63.

Potentials for increasing the traffic and carrying capacity of a railroad. N. S. Konarev, A. R. Malborodа. Zhel. dor. transp. 45 no. 11 8-12 N '63.

Ways for determining the efficiency in the utilization of the rolling stock. G. V. Kotov. Zhel. dor. transp. 45 no. 11:43-48 N '63.

RAILROADS—PASSENGER CARS

Formula of the basic resistance to motion of passenger cars. P. N. Astakhov. Vest. TSNII MPS 22 no. 7 16-17 '63.

RAILROADS—PASSENGER CARS—AIR CONDITIONING

[Electric equipment and air-conditioning systems for passenger cars] Elektrooborudovanie i konditsionirovanie vozdukha passazhirskikh vagonov. [By] M. R. Barskii i dr. Moskva, Transzheldorizdat, 1963. 234 p.

RAILROADS—RAILS
(see also subdivision under United States)

Alloyed steel rails. IU. V. Grdina and others. Izv. vys. ucheb. zav., chern. met. 6 no. 10:120-124 '63.

Dependence of the magnetization of a rail on the velocity of the moving field of a horseshoe electromagnet. N. V. Miroshin. Izv. vys. ucheb. zav.; fiz. no. 3:41-47 '63.

Grinding of rails. A. D. Ekhlakov. Put' i put. khoz. 7 no. 12:4-5 '63.

Inoculation of rail steel. IU. V. Grdina and others. Izv. vys. ucheb. zav., chern. met. 6 no. 10:129-133 '63.

Protection of rails and fastenings against corrosion. V. V. Dobrolubov. Put' i put. khoz. 7 no. 11:20 '63.

RAILROADS—RAILS—DEFECTS

Flaw detecting device without supporting rollers. B. I. Katamai. Put' i put. khoz. 7 no. 10:32 '63.

Improving the design of defectoscopes. M. A. Fomina. Put' i put. khoz. 7 no. 10:31 '63.

RAILROADS—RAILS—LUBRICATION

Cart for the transport of lubricants. V. M. Matveev. Put' i put. khoz. 7 no. 11:43 '63.

Lubricators for rails. N. N. Berchenko. Put' i put. khoz. 7 no. 10:45-47 '63.

Useful proposal. Put' i put. khoz. 7 no. 12:48 '63.

RAILROADS—RAILS—WELDING

Rail welding in subways. O. I. Baer. Put' i put. khoz. 7 no. 12:33 '63.

Rail welding on narrow-gauge railroads. E. N. Votinov. Put' i put. khoz. 7 no. 11 8-9 '63.

Welders exchange experiences. V. N. Kuznetsova. Put' i put. khoz. 7 no. 10:39 '63.

RAILROADS—RATES

Principles for the establishment of freight rates on socialist railroads. M. G. Trubikhin, F. M. Fleishman, [illegible]

RAILROADS—SIGNALING
(see also subdivision under Europe, Western)

Automatic signals for railroad crossings. S. I. Afanas'eva. Avtom., telem. i sviaz' 7 no. 11 10-13 N '63.

Improvement of BDK-TsNII-57 dispatcher control networks. V. I. Shcherbakov. Avtom., telem. i sviaz' 7 no. 11, 25-27 N '63.

Installation of train-stop signals. G. Z. Gogoladze. Put' i put. khoz. 7 no. 12:11 '63.

Placement of the switching signals of automatic block systems. G. P. Glazunov, V. V. Shavel'skii. Avtom., telem., sviaz' 7 no. 11:40 N '63.

Problems of planning and business accounting in signaling and communication districts. E. G. Kokhanovskii, A. A. Safronova, M. N. Larina. Avtom., telem. i sviaz' 7 no. 11:16-19 N '63.

Technical consultations. Avtom., telem. i sviaz' 7 no. 11 40 N '63.

RAILROADS—SIGNALING—INTERLOCKING SYSTEMS

ShRPS-54 equipment bays in districts with centralized interlocking. I. S. Sergeev. Avtom., telem. i sviaz' 7 no. 11:32-33 N '63.

RAILROADS—SNOW PROTECTION AND REMOVAL
(see also subdivision under Chelyabinsk)

Is there always a need for snow removal from the joints? G. P. Lutovinov. Put' i put. khoz. 7 no. 10, 43 '63.

Reducing the expenses for snow protection and removal. A. D. Arkhipov, V. I. Gemanov, V. A. Gaidamak. Put' i put. khoz. 7 no. 10:24-26 '63.

RAILROADS—SNOWPLOWS

Improved snow removing machine. V. O. Osipov. Put' i put. khoz. 7 no. 10:32 '63.

Repair of the snowplow rotor. P. P. Nedashkovskii. Put' i put. khoz. 7 no. 11:27-28 '63.

RAILROADS—STATION SERVICE

Semin, K. F., and B. D. Shcherbakov. [Mechanization and automation of ticket office operations in stations] Mekhanizatsiia i avtomatizatsiia biletno-kassovykh operatsii na vokzalakh. Moskva, Transzheldorizdat, 1963. 51 p. (Dostizheniia nauki i tekhniki - v proizvodstvo)

RAILROADS—STATIONS

Both station and harbor work in a new way. N. Dunaev, I. Orlov, K. Podorozhnyi. Rech. transp. 22 no. 11 24-25 N '63.

Voluntary policemen of a railroad terminal. I. Vedmid', Rad. pravo no. 6, 36-39 N-D '63.

RAILROADS—SWITCHES

Determining the basic geometrical dimensions of a simple single switch. I. I. Semenov. Sbor. trud. LIIZHT no. 191;124-132 '63.

New design of obtuse angle frogs with a mobile point. M. A. Frishman, R. S. Lipovskii, A. N. Orlovskii. Vest. TSNII MPS 22 no. 7:10-14 '63.

Obtuse-angled frogs with movable points. M. A. Frishman, R. S. Lipovskii, A. N. Orlovskii. Put' i put. khoz. 7 no. 10:8 '63.

Point evaluation of the maintenance of switches. N. V. Greshnikov, V. G. Grachev. Put' i put. khoz. 7 no. 10:44 '63.

Problems of comfortable riding at high train speeds. V. S. Sharoiko. Sbor. trud. LIIZHT no. 191;133-135 '63.

Railroaders pay a high price for the negligence of the manufacturers. P. I. Saranin. Put' i put. khoz. 7 no. 10:44 '63.

State of stress and deformations of type R50 switches of the 1/11 marking at a gauge width of 1518 millimeter on the running track and of 1530 millimeter on the track leading into sidings. S. V. Amelin, M. P. Smirnov, V. F. IAkovlev. Sbor. trud. LIIZHT no. 191;28-107 '63.

Switches of the 1/11 marking for high-speed traffic in the straight direction. S. V. Amelin, M. P. Smirnov, V. F. IAkovlev. Sbor. trud. LIIZHT no. 191;108-123 '63.

22 marking have been installed on the
on. Put' i put. khoz. 7 no. 11;3-6 '63.
g stock. A. T.

RAILROADS—TIES

Continuous production line for tie repair. M. N. Koriakin, D. M. Mladin. Put' i put. khoz. 7 no. 10;18-20 '63.

Lengthen the service life of wooden ties. Put' i put. khoz. 7 no. 10;17-18 '63.

Preventing the cracking of ties. A. S. Zhukov. Put' i put. khoz. 7 no. 10;21 '63.

Service life of ties. S. I. IAkobson. Put' i put. khoz. 7 no. 12:40 '63.

Switch ties must be delivered in complete sets. A. A. Petrash. Put' i put. khoz. 7 no. 12:40 '63.

Wire tying of ties should be done in the plant. P. I. Volosian. Put' i put. khoz. 7 no. 10, 42 '63.

The yearly assignment will be fulfilled ahead of time. V. I. Uriadnikov. Put' i put. khoz. 7 no. 10;19 '63.

RAILROADS—TIES, CONCRETE

Characteristics of the maintenance of tracks with reinforced concrete ties. B. V. Sorokin. Put' i put. khoz. 7 no. 11;5-6 '63.

Efficiency of the use of reinforced concrete ties on narrow-gauge railroads. A. I. Smirnov. Vest. TSNII MPS 22 no. 7, 57-59 '63.

Performance of ties made from reinforced concrete. M. D. Oloviannikov, G. K. Basaeva. Put' i put. khoz. 7 no. 11;7 '63.

RAILROADS—TRACK

Conform to the technical specifications for the laying of continuous tracks. D. F. Kolgatin, N. F. Kozlov. Put' i put. khoz. 7 no. 12;3-6 '63.

"Design of an infinite composite beam on an elastic foundation." B. G. Bradul-Kirillov. Nauch. trudy KHIT no. 58;97-108 '62.

Dynamic qualities of eight-axle gondola cars and their action on the track. M. F. Verigo and others. Vest. TSNII MPS 22 no. 7, 3-9 '63.

Eliminate the causes for the swelling of the fill ground under second railroad tracks. L. P. Nikiforov. Transp. stroi. 13 no. 9;76 S '63.

Experience in mechanized track testing. A. I. Vorob'ev, N. M. Kostyshev, N. N. Minkish. Put' i put. khoz. 7 no. 12;8-11 '63.

Improve the maintenance of station tracks in the plane. Z. L. Kreinis. Put' i put. khoz. 7 no. 11;19 '63.

Introducing slab foundations. A. A. Seleznev. Put' i put. khoz. 7 no. 10;17 '63.

Preparation of tracks for high-speed traffic. V. P. Kubikov. Zhel. dor. transp. 45 no. 11:34-37 N '63.

Prospects for the strengthening and expansion of the trackage. Zhel. dor. transp. 45 no. 11;77-78 N '63.

Requirements for roadbeds in laying continuous tracks. B. I. TSvelodub, E. A. IAkovleva. Transp. stroi. 13 no. 9;49-51 S '63.

Results of a study. A. G. Polovichenko. Put' i put. khoz. 7 no. 11;34-35 '63.

Safer fastening of the track for protection against rail creepage. S. I. IAkobson. Put' i put. khoz. 7 no. 10;42 '63.

Toward new labor achievements. Put' i put. khoz. 7 no. 12;1-2 '63.

Ways to determine the methods for the laying of long rail lengths. S. P. Pershin. Put' i put. khoz. 7 no. 12, 21-23 '63.

RAILROADS—TRACK—BIBLIOGRAPHY see Bibliography—Railroads—Track

RAILROADS—TRACKLAYING MACHINERY

Increasing the operative efficiency of tracklaying machinery. A. P. Kalinin. Put' i put. khoz. 7 no. 11;12 '63.

RAILROADS—TRAIN SPEED

Optimum freight train speeds under present-day and future conditions. K. K. Tikhonov. Zhel. dor. transp. 45 no. 11;29-34 N '63.

Problems of comfortable riding at high train speeds. V. S. Sharoiko. Sbor. trud. LIIZHT no. 191;133-135 '63.

RAILROADS—WATER SUPPLY

Exploratory-production water wells. V. F. Poller. Transp. stroi. 13 no. 9;64-65 S '63.

RAILROADS, SINGLE-RAIL

Monorail railroads and prospects of their use. A. P. Mikheev, V. V. Chirkin. Zhel. dor. transp. 45 no. 11;37-42 N '63.

RAKVERE—PHYSICAL FITNESS

Comparative data on the physical development and morbidity of school children at Rakvere attending and not attending sports schools. F. Markusas. Probl. fun. ... no. 2;284-288 '61.

r WALTER, 15527-1618

nizers. IA. Svet. Vokrug sveta no. 11;47-

RAMAN EFFECT

Raman effect in the ferroelectric crystal of ammonium sulfate. A. I. Stekhanov, Z. A. Gabrichidze. Fiz. tver. tela 5 no. 11;3105-3109 N '63.

Raman spectra of normal paraffinic hydrocarbons C_{11} - C_{17} and their spin-lattice relaxation time. B. Le and others. Khim. i tekh. topl. i masel 8 no. 11;22-24 N '63.

Studying the Raman scattering indicatrix in certain liquids. A. I. Sokolovskaia, P. D. Simova. Opt. i spektr. 15 no. 5;622-624 N '63.

RAMS

Effect of atmospheric pressure on the reproductive capacity of rams [with summaries in English, German, and French]. D. I. Malikov. Vest. sel'khoz. nauki 8 no. 6 82-86 Je '63.

RANDOM PROCESSES

Application of the theory of random processes in radio engineering. B. R. Levin. Izv. AN SSSR Tekh. kib. no. 5:103-107 S-O '63.

Mathematical theory of random functions. A. M. IAglom. Izv. AN SSSR, Tekh. kib. no. 5:107-112 S-O '63.

RANGE FINDING

By intersection with azimuth indicators. A. Pyl'tsyn. Voen. vest. 43 no. 11:127 N '63.

Change in the attenuation factor of a gyrocompass. N. Strelnov. Voen. vest. 43 no. 10:86 O '63.

Practice fire with a range finder. V. Polezhaev. Voen. vest. 43 no. 10, 84-85 O '63.

Training apparatus of an artillery gyrocompass. V. Derenianko. Voen. vest. 43 no. 10:111-115 O '63.

Tying in of observation points. E. Volodin. Voen. vest. 43 no. 10:85 O '63.

RAPALLO, TREATY OF, 1922

A West German historian repudiates the myths which distort the history of the Treaty of Rapallo. A. M. Filitov. Vop. ist. 38 no. 12;181-182 D '63.

RAPE

"Administrative zeal." Vl. Kamnev. Sots. zakon. 10 no. 11, 66-69 N '63.

RARE EARTHS

Sorption of rare-earth cations on a cation exchanger. Part 3: Kinetics of the sorption of rare-earth elements on a KU-2 resin in ammonium and sodium forms. M. E. Kornelli, I. A. Legenchenko. Ukr. khim. zhur. 29 no. 11;1147-1150 '63.

RASTRELLI, VARFOLOMEI VARFOLOMEEVICH, 1700-1771

Denisov, IU. M., and A. I. Petrov. [Architect Rastrelli, materials for the study of his work] Zodchii Rastrelli, materialy k izucheniiu tvorchestva. Leningrad, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1963. 200 p.

RAUTIAN, GLEB NIKOLAEVICH, 1883-1963

Gleb Nikolaevich Rautian; obituary. Izm. tekh. no. 11: 60 N '63.

Gleb Nikolaevich Rautian; obituary. Svetotekhnika 9 no. 11;31 N '63.

RAVENSBRUCK (CONCENTRATION CAMP)

The ballad of Ravensbrück. Hedda Zinner. Zhen. mira no. 11;28-29, 33 '61.

RAZIKASHVILI, LUKA, 1861-1915

Homer of the mountains. L. Arutiunov. Nov. mir 39 no. 6;249-252 Je '62.

READING

Elocutionary reading. Ihnat Vovk. Ukraina no. 12;29 Je '62.

REALISM IN LITERATURE

Fokht, U. R. [Paths of Russian realism] Puti russkogo realizma. Moskva, Sovetskii pisatel', 1963. 262 p.

In the campaign for realism. R. Orlova Nov. mir 38 no. 6;253-255 Je '62.

Our times and realism (conclusion). B. Suchkov. Znamia 33 no. 6;175-188 Je '63.

REARRANGEMENTS (CHEMISTRY)

Rearrangement of organocyclosilazanes brought about by the action of inorganic acids. D. IA. Zhinkin and others. Plast. massy no. 11;16-19 '63.

RECEIPTS (ACKNOWLEDGMENTS)

Accounting for receipt books in service industry enterprises. G. Nafitul'ev. Bukhg. uchet 29 no. 10;75-77 O '63.

RECEPTORS (NEUROLOGY)

Changes in the receptor and interoreceptor apparatus under the effect of SHF. M. S. Tolgskaia, Z. V. Gordon. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:99-103 '60.

Effect of vibration and muscular tension on the heart. V. I. Bel'tiukov. Eksp. issl. po fiziol., biokhim. i farm. no. 3;141-149 '61.

Morphophysiology and physiology of skin receptors [with summary in English]. K. K. Sergeev. Vest. derm. i ven. 37 no. 7;8-14 Jl '63.

One neglected aspect of the action of streptomycin. G. S. Kan. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1;156-160 '58.

Relation of the motor cardiac reflexes in man to posture. V. I. Bel'tiukov. Eksp. issl. po fiziol., biokhim. i farm. no. 3;135-140 '61.

Role of nervous reception in the development of antitoxic immunity against tetanus. A. S. Labinskaia. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1;151-155 '58.

RECIDIVISTS

Our courts should eliminate shortcomings in the recognition of an individual to be an "especially dangerous recidivist." V. Lebedkin. Sots. zakon. 10 no. 11:46-50 N '63.

RECKLINGHAUSEN'S DISEASE OF BONE see Osteitis fibrosa

RECLAMATION OF LAND see subdivision under Khabarovsk Territory; White Russia

RECLAIMED RUBBER see Rubber, Reclaimed

RECOGNITION (INTERNATIONAL LAW)

Feldman, D. I. [Present-day theories of recognition in international law] Sovremennye teorii mezhdunarodno-pravovogo priznaniia. [Kazan'] Izd-vo Kazanskogo univ., 1963. 101 p.

RECONSTRUCTION see subdivision under Leningrad

RECORDING INSTRUMENTS

Digit-printing device for an AI-100 analyzer. F. E. Chukreev. Prib. i tekh. eksp. 8 no. 5:97-102 S-O '63.

RECORDS, MEDICAL see Medical records

RECRUITING AND ENLISTMENT see subdivision under Saransk

RECTUM—DISPLACEMENT

Avdeiev, S. S. [Prolapse of the rectum] Vypadenie priamoi kishki. Moskva, Medgiz, 1963. 215 p. (DIB M)

REDUCING AGENTS

Effect of deoxidizers on the mechanical properties of low-alloy steel. I. M. IAzovskikh, IU. A. Bukin, I. M. Gorbachev. Lit. proizv. no. 10:3-4 O '63.

Effect of deoxidizers on the surface finish of carbon steel castings. IA. G. Ortinskii, B. V. TSarevskii, S. I. Popel'. Lit. proizv. no. 10:4-5 O '63.

REDUCTION, CHEMICAL

Zaitsev, A. A., and others. [Kinetics of americium (V) reduction by hydrogen peroxide] Kinetika vosstanovleniia ameritsiia (V) perekis'iu vodoroda. Moskva, In-t atomnoi energii Akad. nauk SSSR, 1960. 11 p.

REDUCTION, ELECTROLYTIC

Evaluation of the degree of irreversibility of iron reduction on the dropping mercury electrodes. V. F. Ivanov, Z. A. Iofa. Zhur. fiz. khim. 37 no. 9:2132-2135 S '63.

REED (BOTANY)

Investigating hemicelluloses of common reed in the vegetative stage. R. V. Lovelinskina. Trudy Od. tekh. inst. 14:109-114 '62.

REED (BOTANY)—DISEASES AND PESTS see subdivision under Kazakhstan

REFLEXES

Effect of aminazine on cutaneous visceral and motor visceral reflexes. V. P. Kolychev. Eksp. issl. po fiziol., biokhim. i farm. no. 4:203-209 '61.

Effect of proprioception on the perspiration under normal and pathological conditions. B. M. Datskovskii. Eksp. issl. po fiziol., biokhim. i farm. no. 3:63-01 '61.

Functional interrelation between the tonus of the skeletal musculature and arterial pressure. A. A. Kozello, M. R. Mogendovich. Eksp. issl. po fiziol., biokhim. i farm. no. 3:27-30 '61.

Hundredth anniversary of "brain reflexes." M. Rostov. Ogonek 41 no. 50:0 D '63.

Hypokinesia as a factor in the pathology of internal organs. M. P. Mogendovich. Eksp. issl. po fiziol., biokhim. i farm. no. 3:9-28 '61.

Mechanism of the cutaneous galvanic reflex in muscular tensions. A. G. Markin. Eksp. issl. po fiziol., biokhim. i farm. no. 3:171-184 '61.

Model for illustrating the reflex activity of an organism. M. I. Grinbaum. Fiz. v shkole 23 no. 3:73-76 My-Je '63.

Motor renal reflexes in pathology. M. R. Mogendovich, M. G. Ryklin. Eksp. issl. po fiziol., biokhim. i farm. no. 3:49-60 '61.

Principle of reflection and the theory of reflexes. F. I. Georgiev. Nauch. dokl. vys. shkoly; filos. nauki 6 no. 5: 52-57 '63.

Reflex effect of the locomotion sphere on blood circulation and respiration in experimental tetanus poisoning. V. P. Kolychev, S. V. Smolenkov. Eksp. issl. po fiziol., biokhim. i farm. no. 3:211-220 '61.

Reflex effects of the skeletal muscles on the respiratory and cardiovascular systems in strychnine poisoning. E. G. Uritskaia. Eksp. issl. po fiziol., biokhim. i farm. no. 3 193-202 '61.

Role of the respiratory musculature in the reflex regulation of the respiration and blood circulation. Report No. 1: Some changes in the respiration during a deliberate holding of the breath. A. K. Chuvaev. Eksp. issl. po fiziol., biokhim. i farm. no. 3:151-158 '61.

State of the motor analyzer and the orthostatic reflex in the hyperthyroid form of goiter. N. L. Riskin. Eksp. issl. po fiziol., biokhim. i farm. no. 3:107-117 '61.

Vibration and motor visceral reflexes. M. R. Mogendovich. Eksp. issl. po fiziol., biokhim. i farm. no. 3 41-47 '61.

REFORESTATION
(see also subdivision under Algeria; Karelia)

Russia (1917- R. S. F. S. R.) Glavnoe upravlenie lesnogo khoziaistva i okhrany lesa. [Instructions for carrying-out reforestation operations in the state forests of the European part of the R. S. F. S. R.] Ukazaniia po provedeniiu lesovosstanovitel'nykh rabot v gosudarstvennom lesnom fonde Evropeiskoi chasti RSFSR. Odobreno Tekhsovetom Glavleskhoza RSFSR 4 aprelia 1962 g. Moskva, Goslesbumizdat, 1963. 188 p.

REFRACTION, ASTRONOMICAL

Periodic variations of refraction [with summary in English]. B. A. Orlov. Izv. GAO 23 no. 1:81-84 '62.

REFRACTION, DOUBLE

Birefringence in a stream, and macromolecular structure. V. N. TSvetkov. Usp. fiz. nauk 81 no. 1:51-118 S '63.

Some problems of superposition of two birefringent plates. Kh. K. Aben. Opt. i spektr. 15 no. 5 682-689 N '63.

REFRACTOMETER

Apparatus for determining the refraction index of a transparent liquid. P. N. Gatilov. Fiz. v shkole 23 no. 3 63 My-Je '63.

REFRACTORIES INDUSTRY

Preparing for the plenary session of the Central Committee of the CPSU. Ogneupory 28 no. 11:481-484 '63.

REFRACTORY CONCRETE

Highly refractory VTsZ cement. V. A. Butenko and others. Ogneupory 28 no. 11 486-493 '63.

REFRACTORY MATERIALS
(see also subdivision under Ural Mountains)

About I. S. Kainarskii and E. V. Degtiareva's book "Carborundum refractories." P. S. Mamykin. Ogneupory 28 no. 11:526 3 of cover '63.

Character of chrome spinel grain failure in the slag belt of electric arc furnaces. M. N. Kaibicheva. Ogneupory 28 no. 12 565-569 '63.

Dependence of certain electrophysical properties on the Al_2O_3 content in materials of mullite-corundum composition. V. L. Balkevich, A. S. Krasnosova. Trudy MKHTI no. 37:167-165 '62.

Determining the fusion point of hearth bottom fritting and ramming materials in basic open-hearth furnaces. A. L. Klein, V. G. TSikarev. Ogneupory 28 no. 11:525-527 '63.

Foamed carborundum and its properties. I. IA. Guzman, V. S. Morozova. Ogneupory 28 no. 12:558-561 '63.

Forsteritic refractories from Shorzha dunites. T. A. Aleksandrova and others. Ogneupory 28 no. 11:493-494 '63.

Full use of all industrial potentialities. Ogneupory 28 no. 12:529-534 '63.

Increasing the durability of steel tapping spout linings. L. G. Kutsenko. Metallurg 8 no. 10:18-19 O '63.

Industrial design solutions for lightweight grog products with burning-out additives. V. I. Simkin. Ogneupory 28 no. 12:543-546 '63.

Packed linings of steel pouring ladles. I. B. Zadzishek. Lit. proizv. no. 10:39 O '63.

Production of stopper tubes by the stiff mud press method. N. A. Sidorenko. Ogneupory 28 no. 12:546-547 '63.

Refractories industry workers contribute to the expansion of chemical industries. Z. B. Pasternak, V. N. Pirogova. Ogneupory 28 no. 12:535-536 '63.

Service life of refractories in open-hearth furnace plants. E. I. Koval'chuk. Metallurg 8 no. 11:19-20 N '63.

Structure and certain properties of porous, ZrO_2-base ceramics. D. N. Polubolarinov, I. IA. Guzman, L. E. Nishanova. Trudy MKHTI no. 37:168-179 '62.

REFRACTORY MATERIALS—ANALYSIS

Rapid complexometric method of separate determination of Fe_2O_3 and Al_2O_3 in refractory materials. R. S. Mil'shenko, G. E. Karas'. Ogneupory 28 no. 12:570 '63.

REFRACTORY MATERIALS—ELECTRIC PROPERTIES

Theory of the electric conductivity of refractories. P. T. Oreshkin. Izv. vys. ucheb. zav.; chern. met. 6 no. 10: 162-169 '63.

REFRACTORY MATERIALS—TESTING

Laboratory investigation and testing of refractories in electric furnaces. K. V. Kovalskaia, N. S. Manuilova, L. I. Murzova. Ogneupory 28 no. 11:508-517 '63.

REFRIGERATION AND REFRIGERATING MACHINERY

Determining the cooling surface dimension and water consumption in generator absorbers. B. M. Biler. Izv. vys. ucheb. zav., pishch. tekh. no. 5 133-138 '63.

Kantorovich, V. L., and B. K. IAvnel' [Systems, assembly, operation and repair of refrigerating plants] Ustroistvo, montazh, ekspluatatsiia i remont kholodil'nykh ustanovok. Izd. 2., perer. i dop. Moskva, Gostorgizdat, 1963. 416 p.

Technical and economic efficiency of fat cooling in a cooler with knife rolls. N. K. Nikolaev, I. L. Sokolov. Izv. vys. ucheb. zav., pishch. tekh. no. 5 7-9 '63.

Thermoregulating valves for refrigerating machinery units. A. A. Arro. Ser. III no., mash., obor. i sred avtomatiz. no. 59 62-65 '63.

REFRIGERATION AND REFRIGERATING MACHINERY—ABSTRACTS

[Chemical and refrigeration machinery manufacture] Ref. zhur.: Khim. i khol. mashinostr. no. 12 D '63, no. 1 Ja '64

REFRIGERATION AND REFRIGERATING MACHINERY—SAFETY MEASURES

Filippenko, A. A. [Safety measures and fire prevention engineering] Tekhnika bezopasnosti i protivopozharnaia tekhnika. Moskva, Gostorgizdat, 1963. 166 p.

REFRIGERATORS see subdivision under Moscow

REFUGEES, LATVIAN—POLITICAL ACTIVITIES see subdivision under Australia

REFUGEES, SPANISH

The fate of Spanish political refugees. E. M. Teper. Vop. ist. 38 no. 12:184-185 D '63.

REGAR—RESEARCH, INDUSTRIAL

Comrade director. M. Skuratov. NTO 5 no. 11:41-43 N '63.

REGENERATION (BIOLOGY)

Changes in the glycogen content within the epithelium of the mucous membrane of the oral cavity in the process of regeneration. V. V. Gemonov. Teor. i prak. stom. no. 5 60-65 '61.

Effect of blood fibrin on experimental regeneration of osseous tissue. L. A. Ripiakh. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:331-336 '59.

Effect of intramuscular injection of parotin on the growth and regeneration of the incisors of white rats. M. S. Bubiakina. Teor. i prak. stom. no. 5 95-99 '61.

Influence of some factors on the growth and differentiation of the connective tissue in the regeneration of the cornea, aorta, tendons and bones in biological frameworks. B. B. Fuks and others. Dokl. AN SSSR 152 no. 5 1260-1262 O '63.

Physiological regeneration of the mucous membrane of the cheek in some mammals in connection with food intake. A. B. Kalneniek, G. S. Uspenskaia. Teor. i prak. stom. no. 5:66-74 '61.

Roentgenological characteristics of the stimulating action of some factors of injury and stimulation of the osseous organ on the regeneration of the osseous tissue, an experimental study. V. S. Kostrikov. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:323-329 '59.

REGIONAL PLANNING see subdivision under Apsheron Peninsula, Chelyabinsk region; Moscow; Ustyuzhna District

REGISTERS OF BIRTH, ETC. see subdivision under Kuybyshev

REINFORCED CONCRETE CONSTRUCTION
(see also subdivision under Kiev, Nakhodka, Maritime Territory)

Al'perovich, S. Z. [Handbook on the erection of reinforced-concrete structures] Pamiatka montazhnika zhelezobetonnykh konstruktsii. Izd. 2., per. i dop. Kiev, Gosstroiizdat USSR, 1963. 141 p.

Experimental investigation of the rigidity of claydite reinforced concrete beams subjected to lasting loading. L. S. Vlasov, Izv. AN Arm. SSR, Ser. tekh. nauk 16 no. 5:51-58 '63.

Gamov, L. I. [Mesh-reinforced concrete and mesh-reinforced concrete structures] Armotsement i armotsementnye konstruktsii. Kishinev, Kartia moldovenieske, 1961 120 p.

Layout of a building on nonuniformly compressed soils. A. M. Popov. Osn., fund. i mekh. grun. 5 no. 6:14-16 '63.

Luk'ianchenko, P. Z. [Reinforced-concrete bridges] Zhelezobetonnye mosty. Moskva, Avtotransizdat, 1963. 55 p. (V pomoshch rabochemu mostoviku)

Moscow. Nauchno-issledovatel'skii institut betona i zhelezobetona. [Instruction for the design of steel forms] Instruktsiia po raschetu stal'nykh form. Moskva, Gosstroiizdat, 1963. 131 p.

Reinforced concrete crane girders with 12 m spans under cranes with a 50-75 t. lifting capacity. IU. Luzin, I. Belinskii. Prom. stroi. i inzh. sooor. 5 no. 5:35-40 S-O '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.
Pt. 2. Sec. V. ch. 1. [Specifications for the design of concrete and reinforced-concrete structures] Betonnye i zhelezobetonnye konstruktsii; normy proektirovaniia (SNiP II-V. 1-62). 1962. 100 p.

Study of block joints of reinforced concrete tunnel linings. M. I. Krasnov. Bet. i zhel.-bet. 9 no. 10:466-468 O '63.

REINFORCED CONCRETE CONSTRUCTION—COLD WEATHER CONDITIONS

Erection of large-panel apartment houses in winter. Wolslaw Belicki. Bet. i zhel.-bet. 9 no. 10:475-478 O '63.

Reinforced concrete construction in winter time. I. M. Sheinman. Put' i put. khoz. 7 no. 12:29 '63.

REINFORCED CONCRETE PRODUCTS

Experience in electric heating of reinforced concrete products in molds. S. D. Zil'berberg, IU. P. Kliushnik. Bet. i zhel.-bet. 9 no. 10:449-450 O '63.

Lateral rigidity of reinforced-concrete beds for heavy machine tools. A. I. Dryga, V. G. Babash. Mashinostroenie no. 5:15-18 S-O '63.

Reinforced concrete beds of machine tools. M. M. Bol'shakov. Mashinostroenie no. 5:18-19 S-O '63.

Reinforced-concrete stands for press pedestals. N. F. Kvasov. Mashinostroenie no. 5:39-41 S-O '63.

REINFORCEMENT IN CONCRETE see Concrete reinforcement

RELAPSING FEVER see subdivision under Ararat region

RELATIVITY (PHYSICS)

Movement of particles in a centrally symmetrical static field in the general theory of relativity. S. L. Galkin. Izv. vys. ucheb. zav.; fiz. no. 3:54-62 '63.

New principles for the development of a physical theory [with summary in English]. A. A. Efimov. Izv. GAO 23 no. 2:118-151 '63.

RELIGION

Against religion, for man. D. Okunev. Sov. profsoiuzy 19 no. 18:33-35 S '63.

[We broke away from religion; stories of former believers] My porvali s religiei; rasskazy byvshikh veruiushchikh. Izd. 2., ispr. i dop. Moskva, Voenizdat, 1963. 506 p. (Nauchno-populiarnaia biblioteka)

RELIGION—CONTROVERSIAL LITERATURE

Interpretation of the social roots of religion. D. M. Ugrinovich. Nauch. dokl. vys. shkoly; filos. nauki 6 no. 5:36-44 '63.

RELIGION AND SCIENCE

Anatomy denies God. N. Volkova. Znan. ta pratsia no. 10:11-14 O '63.

Scientific and religious ideology. F. Kaplunenko. Komm. Mold. 8 no. 9:61-75 S '63.

Shakhnovich, M. I. [Omens in the light of science] Primety v svete nauki. [Leningrad] Lenizdat, 1963. 113 p. (Bibliotechka ateista)

RELIGIOUS PSYCHOLOGY see Psychology, Religious

REMOTE CONTROL

Abdullaev, A. A., and I. A. Nabiev. [System of automatic remote-control measurement of the yield of oil wells] Sistema avtomaticheskogo teleizmereniia debita neftianykh skvazhin. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 207 p.

Automatic remote control of a 400 ton capacity press. N. F. Tatarko. Avtom. i prib. no. 4:18-20 O-D '63.

Composite high-frequency EPO-2K telephone communication and remote control apparatus. K. IA. Kafieva Trudy VNIIE no. 7, 214-260 '58.

Contactless remote control and signaling devices using magnetic elements. V. A. Zhozhikashvili, K. I. Mytinshkyn. Trudy VNIIE no. 7:56-77 '58.

Decoding of conflicting signals in a noncontact telemechanic device for natural gas fields. A. G. Bashkirev, V. S. Romashkan, D. A. Fridshtand. Avtom. i prib. no. 4 58-60 O-D '63.

Discrete phase method of frequency selection of remote control signals. G. G. Kovalenko. Priborostroenie no. 11:11-13 N '63.

Equipment of communication channels for a frequency type remote control system V. S. Skital'tsev. Trudy VNIIE no. 7:261-274 '58.

Experience in operating remote control devices in the Uzbek Electric Power System. M. L. Aronov. Trudy VNIIE no. 7:17-26 '58.

Frequency (ChTU-1) type remote control and signaling device. T. P. Belaia. Trudy VNIIE no 7 78-90 '58

Introduction of remote control and results of operating remote control devices in Municipal Electric Power Systems. E. A. Riazantsev. Trudy VNIIE no 7 27-33 '58.

Kravchenko, L. D. [Transfluxors in remote control systems] Transfluksory v ustroistvakh teleupravleniia. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1963. 81 p. (Biblioteka po avtomatike)

Line blocks with a three-positional FM modulation for remote control and signaling devices. T. E. Georgievskaia. Trudy VNIIE no. 7:150-156 '58.

Noncontact remote control of magnetic starters of mining machinery and mechanisms. V. V. Glushko, A. P. Karev, V. P. Levenets. Avtom. i prib. no. 1:16-17 O-D '63.

Pospelov, L. P. [Automatic and remote control in mines] Rudnichnaia avtomatika i telemekhanika. Moskva, Gosgortekhizdat, 1963. 414 p.

Single-cycle pulse distributor using elements with a rectangular hysteresis loop V. A. Zhozhikoashvili, K. G. Mitiushkin. Trudy VNIIE no. 7, 131-149 '58.

Some studies on the theory of communication in systems of regulation and control. V. A. Il'in, G. A Shastova. Izv. AN SSSR, Tekh. kib. no. 5, 112-113 S-O '63.

Telemechanic unit for substations of power systems (description of the structural diagram). B. K. Skitta, S. I. Khitsenko. Avtom. i prib. no. 4:3-7 O-D '63.

Use of remote control in electric power systems. R. L. Raines. Trudy VNIIE no. 7:7-16 '58.

The UTB-55 type remote control and signaling device. V. K. Komissarov. Trudy VNIIE no. 7:34-55 '58.

REMOTE CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur.: Avtom., telem. i vych. tekh. no. 1 Ja '64.

RENAL ARTERY—DISEASES

Possibility of using the splenic artery for the blood supply of the left kidney [with summary in English]. S. I. Elizarovskii. Vest. khir. 90 no. 6:55-60 Je '63.

RENAL INSUFFICIENCY

Amniotic fluid embolism, associated afibrinogenemia and acute renal insufficiency [with summary in English]. G. E. Gofman, E. M. Ilisim. Akush. i gin. 39 no. 4:85-89 Jl-Ag '63.

RENT

Bregel', E. IA. [Land rent. The development of capitalism in agriculture] Zemel'naia renta. Razvitie kapitalizma v sel'skom khoziaistve. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1962. 102 p. (Lektsii po politicheskoi ekonomii, no. 9) (MH)

Rakov, IA. H. [Differential rent under socialism] Differentsial'naia renta pri sotsializme. Minsk, Izd-vo M-va vysshego srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 80 p. (MH)

RENT (ECONOMIC THEORY)

Differential rent and the economic conditions of collective farm management. IU. Sedyshev. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 6:33-44 '63.

Methods for calculating differential rent on collective farms. G. Romanchenko. Ekon. sel'khoz. 34 no. 11: 89-96 N '63.

RENT CONTROL

New legislative enactments. Sots. zakon. 40 no. 11:88-89 N '63.

REPAIR AND SUPPLY STATIONS

Use of electronics in the "Bureau for procurement and sales." B. Klavdin. Znan. sila 38 no. 9:47 S '63.

REPETEK REGION—RODENTIA

Temperature regulation in desert rodents under the conditions of insolation and high temperatures [with summary in English]. P. K. Smirnov, A. I. Shcheglova. Vest. LGU 18 no. 21:12-18 '63.

REPIN, IL'IA EFIMOVICH, 1844-1930

I. E. Repin and I. S. Kulikov. P. Balakin. Iskusstvo 26 no. 7:66-68 '63.

In the "Penates" of I. E. Repin. M. Bobyshov Ukraina no. 16 22-23 Ag '62.

REPRODUCTION

Mating types of the clones of Paramecium caudatum (Ehrb) from the waters of some regions of the Soviet Union (with summary in English). D. V. Osipov. Vest. LGU 18 no. 21:105-116 '63.

REPTILES
(see also subdivision under Turkmenistan)

To the students of biology. M. D. Makhlin. Priroda 52 no. 10:119-120 '63.

RESCUE WORK see subdivision under Arctic regions

RESEARCH
(see also subdivision under Ukraine)

For high demands and a principled approach to the training of a new science generation. V. N. Kessenikh. Vest. vys. shkoly 21 no. 11:68-72 N '63.

Results of the All-Union Competition on the Best Student Research Paper. Vest. vys. shkoly 21 no. 11:88-89 N '63.

Transformation of science to a practical productive force. G. Z. Kasavina. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 6:3-14 N-D '63.

RESEARCH, INDUSTRIAL
(see also subdivision under Germany, East; Latvia; Regar; Ukraine)

At the State Committee on the Coordination of Research in the U. S. S. R. NTO 5 no. 11:22 N '63.

The communist labor movement in research institutes. E. Borisov, M. Toplygo. Otv. na vop. trud. no. 8 13-20 Ag '63.

Engineer's work and the incentives of technological creativeness. A. Popov. Sots. trud 8 no. 10:56-60 O '63.

RESERVOIRS

Created by man. L. Rozova'kyi. Nauka i zhyttia 13 no. 10:31-33 N '63.

RESERVOIRS—DESIGN AND CONSTRUCTION see subdivision under Krivoy Rog

RESINS, SYNTHETIC
(see also subdivision under Sumgait)

Use of fluorene-9, 9-dipropionic acid for modification of polyester resins. N. S. Kozopolianskii and others. Plast. massy no. 11:14-16 '63.

RESORCINOL

First experience in sealing bones with osteoplast in osteoarticular tuberculosis [with summary in English]. A. A. Ismailov, A. G. Aliev. Vest. khir. 90 no. 6:83-87 Je '63.

RESPIRATION

Change in external respiration in connection with training loads in young athletes. I. D. Surkina. Probl. fiz. sporta no. 2:200-208 '61.

Changes in the frequency of respiration and the cardiac rhythm in experimental tetanus intoxication. T. I. Gorlunova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:63-68 '58.

Characteristics of breathing in persons spending the winter at the Vostok Station. I. I. Tikhomirov. Inform. biul. Sov. antark. eksp. no. 12:45-48 '63.

Effect of the adrenocorticotropic hormone on the reactivity of the vasomotor and respiratory centers of sensitized animals. L. V. Turbina. Trudy Khab. med. inst. 23 no. 3:49-52 '63.

Evaluation of the state of the blood circulatory system in mitral stenosis based on gas exchange data [with summary in English]. R. A. Beliaeva. Terap. arkh. 35 no. 5:60-65 My '63.

Oxidation-reduction processes and respiratory function of the body in epidemic hepatitis. D. Sh. Enaleeva. Kaz. med. zhur. no. 5:34-37 S-O '63.

Reflex effect of the locomotion sphere on blood circulation and respiration in experimental tetanus poisoning. V. P. Kolychev, S. V. Smolenkov. Eksp. issl. po fiziol., biokhim. i farm. no. 3:211-220 '61.

Reflex effects of the skeletal muscles on the respiratory and cardiovascular systems in strychnine poisoning. E. G. Uritskaia. Eksp. issl. po fiziol., biokhim. i farm. no. 3:193-202 '61.

Respiratory and blood circulation functions in disseminated pulmonary tuberculosis. V. S. Dragan, V. G. Sokol. Zdravookhranenie 6 no. 5:44-48 S-O '63.

Role of respiration through the skin. N. M. Petrun'. Fel'd. i akush. 28 no. 8:37-39 Ag '63.

RESPIRATION (Continued)
Role of the respiratory musculature in the reflex regulation of the respiration and blood circulation. Report No. 1. Some changes in the respiration during a deliberate holding of the breath. A. K. Chuvaev. Fiziol. zhur. SSSR im. I. M. Sechenova 49 no. 3:151-158 '63.

The status of external respiration in acute myocardial infarct [with summary in English]. S. KH. Sidorovich. Terap. arkh. 35 no. 5:31-39 My '63.

Study of the external respiratory function by tomography in pulmonary tuberculosis [with summary in English]. I. N. Maslennikova. Vest. rent. i rad. 38 no. 5 22-26 S-O '63.

RESPIRATORY ORGANS

Clinical aspects of changes in the internal organs under the effect of SHF. A. A. Orlova. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:36-40 '60.

Examination of the cardiovascular and respiratory systems in young skiers. V. V. Vasil'eva and others. Probl. fiz. kul't. i sporta no. 2:166-178 '61.

Examination of the functional capacity of the cardiovascular and respiratory systems in young gymnasts. A. V. Martynova. Probl. fiz. kul't. i sporta no. 2:209-224 '61.

RESPIRATORY ORGANS—DISEASES

Pathomorphology of the respiratory organs in measles. I. G. Shrot. Zdravookhranenie 6 no. 5:58-60 S-O '63.

RESPIRATORY ORGANS—OBSTRUCTIONS

Tracheostomy as a means of preventing respiratory insufficiency in patients with severe multiple injuries. V. I. Ivanov. Ortop., travm. i protez. 24 no. 6:45-47 Je '63.

RESPIRATORY ORGANS—WOUNDS AND INJURIES

Rare case of barotrauma of the respiratory tract. A. P. Ignatenko. Sud.-med. ekspert. 6 no. 4:42 O-D '63.

RESTAURANT MANAGEMENT
(see also subdivision under Ukraine)

Alliance of science and practice. V. Zadorozhnyi. Obshchestv. pit. no. 9:24-26 S '63.

Evident advantages. P. Sokolovskii. Obshchestv. pit. no. 9:46-47 S '63.

First experience in the mechanization of accounting. K. Abdukarimova. Obshchestv. pit. no. 8:48-52 Ag '63.

For one hour work, two hours idle time. D. Tadzhiev, V. Olelnik. Obshchestv. pit. no. 12:21-22 D '61.

For the students of cooperative technicums. V. Bedenko, M. Ogarezov, V. Volosh. Obshchestv. pit. no. 8:46-47 Ag '63.

Kornienko, V. T. [Organization of public eating establishments] Organizatsiia predpriiatii obshchestvennogo pitaniia. Moskva, Izd-vo TSentrosoiuza, 1962. 142 p.

Payment after food consumption is a tested method of self-service. M. Iulin. Obshchestv. pit. no. 9:12-13 S '63.

RESTAURANT MANAGEMENT—AUDITING AND INSPECTION
(see also subdivision under Belgorod)

Thirty-four groups for inspection assistance with one thousand stations. T. IAstrabov. Obshchestv. pit. no. 6:26-27 Je '63.

RESTAURANTS, LUNCHROOMS, ETC.

Decade of great achievements. Obshchestv. pit. no. 9:3-5 S '63.

Editor's mail. Obshchestv. pit. no. 6:48-49 Je '63.

From our mail. Obshchestv. pit. no. 9:64 S '63.

From the editor's mail. Obshchestv. pit. no. 8:42 Ag '63.

A great goal. Obshchestv. pit. no. 12:1-2 D '61.

In the interest of consumers, in the interest of the economy. A. Sukhnitskii. Obshchestv. pit. no. 9:27-28 S '63.

Letters to the editor. Obshchestv. pit. no. 12:45 D '61.

Public food service should be placed on an industrial basis. V. IUdaeva. Obshchestv. pit. no. 12:3-4 D '61.

Restaurant and factory. V. Satin. Obshchestv. pit. no. 12:25-27 D '61.

Specialized enterprises: faster service, lower costs of production. A. Liashko. Obshchestv. pit. no. 9:26 S '63.

Through joint and individual labor! Obshchestv. pit. no. 8:3-15 Ag '63.

Using discarded motorbuses as diners. M. Ermolenko. Obshchestv. pit. no. 8:39-40 Ag '63.

With good taste and imagination. I. Aizenshtein. Obshchestv. pit. no. 12:22-23 D '61.

RESTAURANTS, LUNCHROOMS, ETC.—ACCOUNTING

Improve calculation and accounting in public dining. A. Anisov. Bukhg. uchet 29 no. 11:22-26 N '63.

"The journal-voucher accounting system in public dining" by I. Koifman, S. Svitich. Reviewed by P. Kamyshanov. Bukhg. uchet 29 no. 9:72-74 S '63.

RESTAURANTS, LUNCHROOMS, ETC.—AUDITING AND INSPECTION

Intensifying control in public-dining enterprises. L. Shalaeva, M. Kuznetsova. Bukhg. uchet 29 no. 11, 27-31 N '63.

RESTAURANTS, LUNCHROOMS, ETC.—DESIGN AND CONSTRUCTION

Proper planning is the prerequisite of smooth running of an enterprise. T. Samsonova. Obshchestv. pit. no. 12, 38-40 D '61.

RESTAURANTS, LUNCHROOMS, ETC.—EMPLOYEES

The chief cook is the organizer and commander of production. Obshchestv. pit. no. 6 1-3 Je '63

RESTAURANTS, LUNCHROOMS, ETC.—EQUIPMENT AND SUPPLIES

Continuous line for potato peeling. I. El'kin, IU. Miakotkin. Obshchestv. pit. no. 9 48-52 S '63.

Device for knife sharpening. G. Orestov. Obshchestv. pit. no. 8:35-36 Ag '63.

Device for pirozhki frying. I. Kovalev. Obshchestv. pit. no. 6:35 Je '63.

Improved cafeteria food counter. P. Gorbach. Obshchestv. pit no. 6 34 Je '63

New machinery with special interchangeable attachments. I. El'kin, IU. Miakotin. Obshchestv. pit. no. 12:31-36 D '61.

Proposals of efficiency promoters. B. Nitko. Obshchestv. pit. no. 9:53-54 S '63.

Proposals of efficiency promoters. N. Aleksandrova. Obshchestv. pit. no. 12:37-38 D '61.

RESTAURANTS, LUNCHROOMS, ETC.—EQUIPMENT AND SUPPLIES—BIBLIOGRAPHY see Bibliography—Restaurants, lunchrooms, etc.—Equipment and supplies

RESTAURANTS, LUNCHROOMS, ETC.—VOCATIONAL GUIDANCE

Industrial practice. Is this the correct way to conduct it? E. Il'in. Obshchestv. pit. no. 6:5-7 Je '63.

Your motto: "Be proud of your profession." F. Zabolotskii. Obshchestv. pit. no. 12:30 D '61.

RESUSCITATION

Arterial infusion of blood in terminal states (with summary in English). A. I. Kladovshchikov, A. D. Khitrova. Vest. khir. 90 no. 6:19-22 Je '63.

Negovskii, V. A. [Return to life] Vozvrashchenie k zhizni; rasshirennaia stenogramma lektsii, prochitannoi v TSentral'nom lektorii Vsesoiuznogo obshchestva "Znanie," Moskva, Izd-vo "Znanie," 1963. 40 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia Biologiia i meditsina, no. 19)

Possibility of indirect massaging of the heart for the resuscitation of persons injured by electric current. N. S. Bektursunova. Vop. elektropat., elektrotravm. i elektrobezop. no. 3:71-73 '62.

Resuscitation after pachycarpine poisoning. IU. IA. Rabinovich, IU. V. Shapiro. Klin. med. 41 no. 7:140-143 Jl '63.

Resuscitation problems in traumatological clinical practice. V. A. Negovskii. Ortop., travm. i protez. 24 no. 6:11-18 Je '63.

Some problems of anesthesia and resuscitation in traumatology. I. L. Krupko and others. Ortop., travm. i protez. 24 no. 6:72-81 Je '63.

RETAIL STORES see Stores, Retail

RETAIL TRADE
(see also subdivision under D
Province; Krasnodar Territor
Virgin Territory)

[Trade abroad; organization,
ment of trade and public foo
org., nov. metody, tekh. tor

RETAIL TRADE—ACCOUNTIN

Studying variety and demand.
37 no. 11:8-10 N '63.

RETAIL TRADE—AUDITING A

Organizing the audit of receiv
Bukhg. uchet 29 no. 5:56-5

RETICULOENDOTHELIAL SY

Submicroscopic structure of
epithelial cells of the intest
and their place in the endop
N. M. Shestopalova, V. N. Re
Dokl. AN SSSR 153 no. 2:45

RETICULOENDOTHELIAL SY

Clinical and morphological o
throat in reticulosis with a
Kravchenko and others. V
'61.

Clinical and pathoanatomic
reticulosis of the skin. V.
V. A. Odinokova. Vop. klin

RETIRED MILITARY PERSONNEL—EMPLOYMENT

Colonel Tkachuk's new duties. Nina Kocherhina. Ukraina no. 9 11 My '62.

REVOLUTIONISTS, ESTONIAN—CORRESPONDENCE, *REMINISCENCES, ETC.*

Vaiman, I. [People, years, events; reminiscences] Inimesed, sundmused, aastad, malestused. Tallinn, Eesti Riiklik Kirjastus, 1963. 210 p. [*In Estonian*]

REWARDS (PRIZES, ETC.)

V. I. Veksler, laureate of the Atoms for Peace Award. I. N. Semenushkin, I. V. Chuvilo. Priroda 52 no. 10:108-109 '63.

RH FACTOR

Rhesus sensitization. A. IU. Pashchuk. Vest. khir. 90 no. 6 123-125 Je '63.

RHENIUM

Study of the mode of occurrence of molybdenum and rhenium in coals by electrodialysis. N. I. Razenkova, V. V. Kuznetsova. Trudy IMGRE no. 18 20-24 '63.

RHENIUM COMPOUNDS

Preparation of rhenium dichlorotrinitrosyl and its derivatives with pyridine and thiourea. A. S. Kotel'nikova, G. A. Vinogradova. Dokl. AN SSSR 152 no. 3 621-623 S '63.

RHENIUM-TUNGSTEN ALLOYS see Tungsten-rhenium alloys

RHEOLOGY

"Energy theory of the strength of visco-elastic materials." A. I. Vinogradov, V. G. Andrievskii. Nauch. trudy KIIIT no. 56,109-120 '62.

Rheologic model of ground moraine. E. G. Vinokurov. Dokl. AN SSSR 7 no. 5:339-343 My '63.

RHEUMATIC FEVER
(see also subdivision under Lvov Province)

Determination of the rheumatoid factor with the dermatol test. E. V. Bardin. Zdrav. Bel. 9 no. 3 22-25 Mr '63.

Diagnostic value of antistreptokinase in rheumatic fever, chronic tonsillitis and protracted septic endocarditis [with summary in English]. V. N. Latysh. Vrach. delo no. 11:15-20 N '63.

Functional state of the major arteries in rheumatism in children [with summary in English]. M. K. Oskolkova. Pediatriia 41 no. 7 45-47 Jl '63.

Rheumatic diseases of the nervous system (neurorheumatism). V. E. Levi. Med. sestra 22 no. 11:39-41 N '63.

Rheumatic fever. IA. A. Sigidin. Med. sestra 22 no. 11:33-36 N '63.

Serological reactions in rheumatoid arthritis and rheumatism. N. I. Vinogradov. Vrach. delo no. 11:128-130 N '63.

Significance of determining the diphenylamine reaction for detection of the activity of the rheumatic process [with summary in English]. A. A. Datsevich. Terap. arkh. 35 no. 5:76-81 My '63.

RHEUMATIC FEVER—PREVENTION see subdivision under Leningrad Province

RHEUMATIC HEART DISEASE

Changes in the heart in patients with rheumatoid arthritis [with summary in English]. L. S. Koshevskaia. Vrach. delo no. 11:24-26 N '63.

Changes in the phonocardiogram in disorders of rhythm and conductivity in children with rheumatism [with summary in English]. A. I. Pimenov. Pediatriia 41

RHODAMINE

Photometric determination of small amounts of tantalum by means of rhodamines [with summary in English]. V. M. Dorosh. Zhur. anal. khim. 18 no 8,961-963 Ag '63.

RHODESIA, SOUTHERN—POLITICS AND GOVERNMENT

The Zimbabve country, not Southern Rhodesia. V. Kadmin. Az. i Afr. seg. no. 12 53 D '63.

RHODESIA AND NYASALAND—ECONOMIC CONDITIONS

What goes on in Central Africa? F. Seiful'-Mulukov. Otv. na vop. trud. no. 8 45-53 Ag '63.

RHODESIA AND NYASALAND—POLITICS AND GOVERNMENT

A failure of neocolonialism. Jack Woddis. Nov. vrem. 21 no. 52:19-21 D '63.

What goes on in Central Africa? F. Seiful'-Mulukov. Otv. na vop. trud. no. 8 15-53 Ag '63.

RIABOV, ALEKSANDR IVANOVICH

Many years later.... Sov. voin 15 no. 19:32 O '63.

RICE BRAN

Effect of a preliminary treatment on the biochemical processes in the storage of rice bran. V. G. Shcherbakov, V. L. Etokhina. Izv. vys. ucheb. zav., pishch. tekh. no. 5:19-23 '63.

RICKETS

Development of rickets in children of preschool and school age. S. N. IAkubova, M. Utekhina, R. Minapova. Kaz. med. zhur. no. 5 81-82 S-O '63.

RICKETTSIAL DISEASES

Role of phagocytosis in the mechanism of immunity in some rickettsioses; preliminary report. D. S Arkhangel'skii. Trudy Inst mikrobiol. i virus. AN Kazakh. SSR 7:250-257 '63

RIDDLES, UKRAINIAN

"Riddles." Reviewed by V. Mitrofanova. Sov. etn. no. 5. 165-167 S-O '63.

RIGA—BOOTS AND SHOES—REPAIRING

Shoe repairing on a conveyor. A. Podlesov. Mest. prom. i khud. promys. 3 no. 9:22-23 S '62.

RIGA—BOTANICAL GARDENS

Development of the exhibits of pine and pine-spruce forests at the Section of Local Flora of the Botanical Garden of the Academy of Sciences of the Latvian S. S. R. [in Latvian]. G. Klavina. Izv. AN Latv. SSR no. 9,76-82 '63.

RIGA—RESTAURANTS, LUNCHROOMS, ETC.—EMPLOYEES

"We have different professions, but a common cause." K. Bogdanova. Obshchestv. pit. no. 12:5 D '61.

RIGHT OF PROPERTY

Gribanov, V. P., and L. A. Dul'neva. [Right of private property during the period of the large-scale building of communism] Pravo lichnoi sobstvennosti v period razvernutogo stroitel'stva kommunizma. Moskva, Gosiurizdat, 1963. 49 p. (Bibliotechka slushatelia narodnogo universiteta pravovykh znanii).

New regulations on property rights to residential buildings. O. N. Kudriavtsev. Izv. vys. ucheb. zav.; prav. 7 no. 3,67-73 '63.

Problems of specification (working out the materials of other persons into a new species) in the examination of cases concerning property rights to buildings. P. Nikitiuk. Sov. just. no. 21:15-17 N '63.

The property rights of Soviet citizens. T. M. Davletshin. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 49/50:24-

Kaplanskii's problem. L. A. Bokut'. Sib. mat. zhur. 4 no. 5 1184-1185 S-O '63.

One example to the theory of alternative rings. G. V. Dorofeev. Sib. mat zhur. 4 no. 5 1049-1052 S-O '63.

Some properties of rings of quotients. V. P. Elizarov. Sib. mat. zhur. 4 no. 5,1053-1059 S-O '63.

RINK, IGOR'

Book about courage. Ol'ga Voronova. Sov. voin 45 no. 14 29 J1 '63.

RISERS (FOUNDING)

Heat insulating perlite shells for riser heads on steel castings. B. M Gaisin, D. P. Grozov, V. M. Kovshov. Lit. proizv. no. 10:38 O '63.

RITES AND CEREMONIES
(see also subdivision under Kremenets District)

Hello, new man! P. Hvozdets'kyi. Ukraina no. 17:30 S '62.

RIVERS
(see also subdivision under Armenia, Yugoslavia)

Apollov, B. A. [Study of rivers] Uchenie o rekakh. [2. izd. Moskva] Izd-vo Mosk. univ., 1963. 422 p.

RIVERS—REGULATION

Justifying methods of conducting channel dredging and maintenance operations. A. Serebriakov. Rech. transp. 22 no. 11:41-42 N '63.

Laying out the markings for dredging purposes on the terrain with the help of a sextant. L. Byval'tsev. Rech. transp. 22 no. 10:59 O '63.

Use of gabions and levee baskets for the stabilization of river channels. N. I. Semenov. Put' i put. khoz. 7 no. 12:32-33 '63.

Useful book. N. Makkaveev. Rech. transp. 22 no. 10: 62-63 O '63.

Using the integral curves of a channel capacity for the analysis of reforming a channel. N. Rakhmatulin. Rech. transp. 22 no. 11.44-46 N '63.

ROAD CONSTRUCTION
(see also subdivision under Siberia)

Zakin, IA. Kh. [Geometrical parameters of automotive transportation structures in the case of the use of tractor trains; investigations and recommendations] Geometricheskie parametry sooruzhenii avtomobil'nogo transporta pri ispol'zovanii avtopoezdov, issledovaniia i rekomendatsii. Moskva, Avtotransizdat, 1963. 43 p.

ROAD MACHINERY

Kuznetsov, D. M. [Manual for the operator of a wheeled scraper] Pamiatka mashinistu skrepera. Moskva, Avtotransizdat, 1963. 20 p. (Tekhnika bezopasnosti na dorozhnykh rabotakh)

Periodical "Building and road machinery." E. I. Nemerovskii. Mekh. i avtom. proizv. 17 no. 10:57-58 O '63.

ROAD MACHINERY—ABSTRACTS

[Manufacture of mining machinery, construction equipment, and road machinery] Ref. zhur.: Gor., stroi. i dor. mashinostr. no. 12 D '63.

ROAD MACHINERY—BIBLIOGRAPHY see Bibliography—Road machinery

ROADS see subdivision under Novolazarev region, Antarctica; Uzbekistan

ROADS—ABSTRACTS

[Highways] Ref. zhur.: Avt. dor. no. 12 D '63.

ROADS, BITUMINOUS—MAINTENANCE AND REPAIR

Domestic and foreign asphalt heaters. P. I. Larionov. Stroi. i dor. mash. 8 no. 11:25-28 N '63.

ROCK DRILLS

Effectiveness of quenching dust in drilling with the BA-100 units. L. I. Semenov. Vop. bor'., s sil. v Sib. no. 1:71-73 '61.

Ivanov, K. I., V. N. Glazunov, and M. F. Nadion. [Modern methods of hard rock drilling] Sovremennye metody burenila krepkikh porod. Moskva, Gosgortekhizdat, 1963. 191 p.

ROCK PRESSURE

Maksimov, A. P. [Bulging of rocks and the stability of underground workings] Vydavlivanie gornykh porod i ustoichivost' podzemnykh vyrabotok. Moskva, Gosgortekhizdat, 1963. 143 p.

Necessity of more exact calculation designing of tunnel linings. I. A. Baslavskii. Transp. stroi. 13 no. 9:61-62 S '63.

ROCK PRESSURE—MEASUREMENT

Determination of standard loads and coefficients of overloads according to results of rock pressure measurements. B. N. Vinogradov. Transp. stroi. 13 no. 9:59-61 S '63.

ROCKET ENGINES—ABSTRACTS

[Aircraft and rocket engines] Ref. zhur.: Av. i raket. dvig. no. 12 D '63.

ROCKETS (AERONAUTICS)
(see also subdivision under United States)

[Problems of rocket engineering; translations and surveys of foreign periodical literature] Vop. raket. tekh.; sbor. perev. i obz. inostr. period. lit. 13 no. 11 '63.

ROCKETS (AERONAUTICS)—FUEL

Food for rockets. A. Krasnov. Tekh. mol. 31 no. 11: 31-36 '63

ROCKETS (ORDNANCE)
(see also subdivision under United States)

Dorofeev, A. N. [Rocket fuses] Vzryvateli raket. Moskva, Voenizdat, 1963. 84 p. (Za voenno-tekhnicheskie znaniia)

Kon'kov, N. G. [Aircraft rocket weapons, according to data from foreign newspapers] Raketnoe oruzhie na samolete, po dannym zarubezhnoi pechati. Pod. red. V. A. Kuznetsova. Moskva, Voenizdat, 1963. 107 p. (Nauchno-populiarnaia biblioteka voennogo izdatel'stva)

Starting assembly is ready! N. Kostin. Sov. voin 44 no. 2:16 Ja '62.

ROCKS—ANALYSIS see subdivision under Kuznetsk Basin

ROCKS—CLASSIFICATION AND NOMENCLATURE

Bakhchisaraitsev, A. N. [Classification of rocks and industrial standards for hole boring] Klassifikatsii gornykh porod i tekhnicheskie normy vyrabotki na burenie shpurov. Moskva, Gosgeoltekhizdat, 1963. 134 p.

ROCKS—TESTING

Investigating rock disintegration by sogginess. L. I. Papushin, V. N. Belzer, O. M. Militutin. Koks i khim. no. 11 12-14 '63.

ROCKS, CARBONATE
(see also subdivision under Kuybyshev Province)

Staining as an effective method for studying carbonate rocks. D. K Patrunov. Inform. sbor. NIIGA no. 30: 72-82 '62.

ROCKS, CRYSTALLINE AND METAMORPHIC see subdivision under Russian Platform

ROCKS, IGNEOUS
(see also subdivision under Dnieper Valley; Putorana Mountains; Siberian Platform; Talas Alatau; Zeravshan Range)

Lebedev, A. P., ed. [Problems of paleovolcanism. Translated from the English] Problemy paleovulkanizma, sbornik. Moskva, Izd-vo inostr. lit-ry, 1963. 585 p.

Losses occurring during the separation of accessory minerals from igneous rocks. V. V. Likhovich. Trudy IMGRE no. 18:147-150 '63.

Methods for the separation of accessory minerals from melanocratic igneous rocks. S. F. Sobolev. Trudy IMGRE no. 18:159-164 '63.

Use of the paleomagnetic method for determining the age of kimberlites and trap rocks. D. I. Savrasov. Trudy IAFAN AN SSSR. Ser. geol. no. 9:162-171 '63.

ROCKS, IGNEOUS—CLASSIFICATION see subdivision under Siberian Platform

ROCKS, SEDIMENTARY
(see also subdivision under Azerbaijan; Bol'shezemel'skaya Tundra)

Akademiia nauk SSSR. [Geochemistry, petrography, and mineralogy of sedimentary formations] Geokhimiia, petrografiia i mineralogiia osadochnykh obrazovanii. Moskva, 1963. 457 p.

Basic forms of convective structures in sedimentary rocks. E. V. Artiushkov. Dokl. AN SSSR 153 no. 2: 412-415 N '63.

Fauna in crystals. N. P. Malakhova. Priroda 52 no. 10: 109-111 '63.

RODENT BAITS AND REPELLENTS

Use of tar water for scaring off suslics from acorns in steppe oak plantations. V. V. Strokov. Okhr. prir. i ozel. no. 3:113-115 '60.

RODENTIA see subdivision under Leningrad; Repetek region

RODENTIA—DISEASES AND PESTS

Experimental leptospirosis in some wild rodents [with summary in English]. V. N. Novikova, I. V. Purtova. Zool. zhur. 42 no. 10:1585-1586 '63.

RODENTS AS CARRIERS OF DISEASE

Some ecological and geographical characteristics of the natural focuses of plague [with summary in English]. D. I. Bibikov, V. S. Petrov, V. P. Khrustalevskii. Zool. zhur. 42 no. 9:1306-1316 '63.

ROGOVSKII, NIKOLAI MIKHAILOVICH, 1903-

Division Commander N. M. Rogovskii. G. Pochitalin. Voen.-ist. zhur. 5 no. 11:126-128 N '63.

ROITER, VLADIMIR ANDREEVICH, 1903-

Vladimir Andreevich Roiter; on his 60th birthday. Kin. i kat. 4 no. 5:792-794 S-O '63.

ROLLER BEARINGS

Optimum value of radial clearances for roller bearings of railroad cars. V. A. Petrov and others. Vest. TSNII MPS 22 no. 7,44-47 '63.

ROLLERS (PRINTING)

Manufacturing synthetic rollers. B. IU. Gordinskii. Poligr. proizv. no. 10:7-8 O '63.

ROLLING (METALWORK)

Developing a procedure for the manufacture and investigating the physicomechanical properties of thin magnesium alloy sheets. A. I. Kolpashnikov and others. Trudy MATI no. 57,58-65 '63.

Distribution of the rate of metal movement, deformation, and stress in an ingot cross section during the rolling of aluminum alloys. A. I. Kolpashnikov. Trudy MATI no. 57:5-16 '63.

Expanding the production of cold-bent rolled shapes. A. A. Antifonov, V. A. Glamershtein. Metallurg 8 no. 11:25-27 N '63.

If you are an engineer.... A. Komanovskii. Metallurg 8 no. 11:30-31 N '63.

Investigating high-speed rolling on continuous 630 and 750 billet mills. M. I. Bolshinov, L. P. Shulaev. Izv. vys. uchab. zav., chern. met. 6 no. 10:69-73 '63.

Helical-helical rolling of hobbing-cutter billets. M. V. Vasil'chikov, M. M. Volkov, B. A. Meller. Stan. i instr. 34 no. 11:23-24 N '63.

Production of large-size transformer sheets. V. G. Borisenko. Metallurg 8 no. 11:24-25 N '63.

Relating certain formulas to standard forms for the determination of free widening during the rolling process. V. K. Piguzov. Izv. vys. uchev. zav.; chern. met. 6 no. 10 84-87 '63.

ROLLING (METALWORK)—BIBLIOGRAPHY see Bibliography—Rolling (Metalwork)

ROLLING (METALWORK)—TECHNOLOGICAL INNOVATIONS

Reserves of rolling. K. Ivanov. Nar. khoz. Kazakh. 21 no. 9,13-14 S '63.

ROLLING MILLS

Automatic looping control system for wire mills. V. P. Ivanov, IU. N. Fedosenko. Avtom. i prib. no. 4:8-10 O-D '63.

Investigating conditions of rolling on three-high billet mills. M. A. Zaikov and others. Izv. vys. ucheb. zav.; chern. met. 6 no. 10:74-83 '63.

ROLLING MILLS—DESIGN AND CONSTRUCTION

Erecting modern rolling mills. A. Gitis. Prom. stroi. i inzh. soor. 5 no. 5:12-16 S-O '63.

Redesign of slabbing mills and an increase in the production of slabs. F. M. Dolmatov, F. A. Evtushenko, IU. V. Pogorel'ko. Metallurg 8 no. 11:22-24 N '63.

Redesign of the 1080 continuous cold rolling mill. M. I. Iudin, A. Z. Komanovskii, N. A. Troshchenkov. Metallurg 8 no. 11:28-29 N '63.

ROLLING MILLS—ELECTRIC DRIVING

Optimum relative switching duration for the electric drives mechanisms of rolling mills. L. P. Smol'nikov. Izv. LETI no. 47:171-180 '62.

ROLLING MILLS—TECHNOLOGICAL INNOVATIONS

Required by life. A. Infimatov. Metallurg 8 no. 10:35-37 O '63.

ROLLS (IRON MILLS)

Efficient heat treatment of rolls used in hot rolling and made of 55Kh and 60KhG steels. A. I. Kondrashov, K. F. Gurzhienko, V. A. Kamalov. Sbor. Novo-Kram. mashinostroi. zav. no. 5:62-69 '59.

Improving the production of large back-up rolls of 8KhF steel. K. F. Gurzhienko, A. I. Kondrashev. Sbor. Novo-Kram. mashinostroi. zav. no. 5:39-47 '59.

ROMAN, RUMANIA—PIPE MILLS

Roman and Rustavi. L. Lerov. Ogonek 41 no. 52:8-9 D '63.

ROMASHKINO REGION—PETROLEUM

Radio-thermal cracking of gas oil of Romashkino petroleum. G. M. Panchenkov and others. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 12:99-101 '61.

ROMNY—DESCRIPTION

Come to see us in the city of Romny! Anatolii Voropai. Ukraina no. 11:5-6 Je '62.

ROOFING, BITUMINOUS

Unit for feeding bitumen onto roofs. G. A. Svistunov. Stroi. i dor. mash. 8 no. 11:28-29 N '63.

ROOFING, CONCRETE

Mesh-reinforced concrete roofs for large-panel houses of the 1-464 series. G. S. Rodov and others. Bet. i zhel.-bet. 9 no. 10:453-455 O '63.

Prestressed foamed slag concrete slabs with round holes used for roofing apartment houses. S. M. Skorobogatov. Trudy Ural. politekh. inst. no. 131:36-41 '63.

ROOTS (BOTANY)

Characteristics of the root systems and the ash content of some plant associations of Kustanay Province. M. E. IAkovleva. Dokl. TSKHA no. 47,215-225 '59

Mechanism of water absorption by plant roots. R. K. Saliaev. Dokl. AN SSSR 152 no. 5,1253-1255 O '63

Methods of studying the root system of a tea plant [with summary in English]. G. M. Oganov. Pochvovedenie no. 10:83-91 O '63.

Modern concepts of the role of the root system in the vital activity of a plant organism [with summaries in English, German, and French]. Vest. sel'khoz. nauki 8 no. 6,7-17 Je '63.

ROSES

Antibiotic properties of vitamin preparations obtained from the wild rose fruit by the fermentation method. M. T. Golovkina and others. Izv. vys. ucheb. zav., pishch. tekh. no. 5,43-46 '63.

Propagation of essential-oil roses by the method of complete vegetative regeneration. P. A. Kukolev. Masl.-zhir. prom. 29 no. 10:23-26 O '63.

ROSSOSH' DISTRICT—RURAL CONDITIONS—STUDY AND TEACHING

Let's strengthen the connection between the social sciences and rural life. M. A. Sviridov. Prep. ist. v shkole 18 no. 6,85-86 N-D '61

ROSTOV—AGRICULTURAL MACHINERY INDUSTRY—ACCOUNTING

Using an electronic computer for accounting in the Rostsel'mash Plant. N. Sariev. Bukhg. uchet 20 no. 10,45-47 O '63.

ROSTOV—CANNING INDUSTRY

Communist labor movement in the "Smychka" Canning Plant in Rostov. I. F. Berestov, N. V. Golovina, I. M. Pukhal'skii. Konserv. prom. 18 no. 11 3-5 N '63.

ROSTOV—TRANSPORTATION, AUTOMOTIVE—ACCOUNTING

Machine accounting for the exploitation of freight transportation. G. Smirnov. Bukhg. uchet 20 no. 5 50-53 My '63.

ROSTOV ECONOMIC REGION—INFORMATION SERVICES

Working with informational and technological literature at the "Krasnyi Aksai" Plant in the Rostov Economic Council. V. G. Vangaeva. Opyt rab. po tekh. inform. i prop. no. 1:28-29 '63.

ROSTOV-ON-DON—HISTORY

Glorious past of our hometown. A. S. Stasiuk. Prep. ist. v shkole 18 no. 6:66 N-D '63.

ROSTOV-ON-DON—MACHINERY INDUSTRY

"First aid." Lev. IUdasin. Znan. sila 38 no. 10:26-30 O '63.

ROSTOV-ON-DON—VASES, ROMAN

Light clay amphorae from the ancient site of Nizhne-Gnilovo. I. S. Kamenetskii. Krat. soob. Inst. arkheol. no. 94:29-36 '63.

ROSTOV PROVINCE—AGRICULTURAL ADMINISTRATION

Combine ideological work with organization. M. Dudkin. Polit. samoobr. 7 no. 6 73-77 Ag '63.

ROSTOV PROVINCE—INDUSTRIAL MANAGEMENT

Communist cooperation of collectives. G. Neronov. Sots. trud 8 no. 10:21-24 O '63.

ROSTOV PROVINCE—LEPTOSPIROSIS

Natural focus of leptospirosis of the serological group hebomadis in Rostov Province [with summary in English]. N. M. Blagoveshchenskaia, V. F. Kondratenko, L. V. Zarubina. Zool. zhur. 42 no. 10:1561-1566 '63.

ROSTOV PROVINCE—MACHINE ACCOUNTING

Ways to improve the utilization of accounting machines. E. Kliuchko. Bukhg. uchet 20 no. 10:5-6 O '63.

ROSTOV PROVINCE—MARTENS

Distribution of the stone marten (Martes foina Erxl.) in Rostov Province [with summary in English]. V. A. Minoranskii. Zool. zhur. 42 no. 9:1423-1424 '63.

ROSTOV PROVINCE—MATHEMATICS—STUDY AND TEACHING

Our schools of progressive experience. D. IAkubs. Nar. obr. no. 8:24-25 S '63.

ROSTOV PROVINCE—POSTAL SERVICE

Postal service for collective farms. P. Koveshnikov. Agitator no. 21:58-59 N '63.

ROTARY KILNS see Kilns, Rotary

ROTATING BODIES

General solution to the problem of the rotation of a heavy solid around a fixed point. A. N. Filatov. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk no. 6:23-33 '61.

ROTATION OF CROPS

Prianishnikov, D. N. [Selected works in three volumes] Izbrannye sochineniia v trekh tomakh. Moskva, Sel'khozizdat, 1963.

Vol. 3. [General problems of agriculture and chemicalization] Obshchie voprosy zemledeliia i khimizatsii. 1963. 644 p.

(DNAL)

ROUSSEAU, JEAN JACQUES, 1712-1778

Jean Jacques Rousseau and the Jacobins. M. K. Klavdieva. Vop. ist. 38 no. 12:168 D '63

ROVNO PROVINCE—CRIME PREVENTION

We rely upon the Soviet public. M. Panga. Sots. zakon. 40 no. 9:28-31 S '63.

ROWING

Training of older adolescents in competitive rowing during the main period. V. F. Dorofeev. Probl. fiz. sporta no. 2:60-65 '61.

RUBBER

Study of the cyclization of rubber by the method of nuclear magnetic resonance. I. A. Tutorskii and others. Dokl. AN SSSR 152 no. 3 674-676 S '63.

RUBBER, RECLAIMED

"Stavrit." N. Dudaev. Mest. prom. i khud. promys. 3 no. 9,33 S '62.

RUBBER, SYNTHETIC see subdivision under Stavropol

RUBBER, SYNTHETIC—TESTING

Effect of deformation conditions on the dynamic stability of nairit rubbers. I. F. Gridunov, S. F. Priakhina, A. A. Sokolovskii. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 5,851-855 '63.

RUBBER INDUSTRY
(see also subdivision under Voronezh)

The Communist Youth League should give great care to the development of large-scale chemistry. Komsom. zhizn' no. 19:2-3 O '63.

Consideration of growing electrical loads in planning the electric power supply of synthetic rubber plants. L. IU. Nabedrik. Prom. energ. 18 no. 11 33-34 N '63

Use of natural mineral fillers in the rubber industry. A. S. Novikov, M. V. Koloskova. Trudy IGEM no. 95 79-87 '63.

RUBBER INDUSTRY—TECHNOLOGICAL INNOVATIONS

The beginning. Izobr. i rats. no. 11 8-9 '63.

RUBBER INDUSTRY WORKERS—DISEASES AND HYGIENE

Clinical aspects of chronic action of a series of chemicals used in the production of synthetic rubber. A. A. Orlova, E. A. Solov'eva. Trudy Vor. med. inst. 47:86-87 '62.

RUBBER INDUSTRY WORKERS—MEDICAL CARE

Some data from the experience of polyclinical examination of workers at the S. M. Kirov Synthetic Rubber Plant. Kh. Gel'dyev. Trudy Vor. med. inst. 47 88-89 '62.

RUBBER MACHINERY

High-pressure rubber mixers. D. D. Riabinin, V. D. Andreichuk. Mashinostroenie no. 5-3-7 S-O '63.

RUBBER TIRES see Tires, Rubber

RUBBER TO METAL BONDING

Adhesion of high polymers to metals. Part 4. Temperature dependence and the activation energy of adhesion [with summary in English]. S. S. Voiutskii and others. Zhur. fiz. khim. 37 no. 9:2027-2033 S '63.

Testing rubber-metal bearing parts. V. K. Korchagin, G. A. Passek. Transp. stroi. 13 no. 9,57-59 S '63.

RUCH'EV, BORIS ALEKSANDROVICH, 1913-

Vlasenko, A. N. [Poetry of truth] Poeziia vernosti. Moskva, "Sovetskaia Rossiia," 1963. 55 p. (Literaturnaia Rossiia)

(NIC)

RUDKOUSKI, MAKHAS'

First flowers of poetry. An. Klyshko. Belarus' 20 no. 11:28 N '63.

RUL'E, KARL FRANTSEVICH, 1814-1858

Pre-Darwinian evolutionist, Russian advanced naturalist Karl Rul'e and Mikael Nalbandian. R. B. Gabrielian. Iz ist. est. i tekh. 1 99-125 '60.

RUMANIA—ART GALLERIES AND MUSEUMS

[Masters of world painting in Rumanian museums] Mastera mirovoi zhivopisi v muzeiakh Rumynii. Predisl. Dzh. Opresku. Izd 2., peresm. Bucharest, Meridiane, 1963. [6] p. illus., plates.

RUMANIA—BIBLIOGRAPHY

[New literature on Rumania] Nov. lit. po Rum. nos. 8-9 '63.

RUMANIA—CIRCUS

A circus from Bucharest. L. Sashko. Ukraina no. 11: 27 Je '62.

RUMANIA—EDUCATION, HIGHER

Institutions of higher learning in Rumania during the people's government. Aleksandr Roshka, Emil' Karageorge. Vest. vys. shkoly 21 no. 11:93-96 N '63.

RUMANIA—HISTORY

Akademiia nauk SSSR. Institut istorii. [Articles on the modern and most recent history of Rumania] Novaia i noveishaia istoriia Rumynii, sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 286 p.

IAz'kova, A. A. [Rumania on the eve of the Second World War, 1934-1939] Rumyniia nakanune Vtoroi Mirovoi voiny 1934-1939 gg. Moskva, Izd-vo Akad. nauk SSSR, 1963. 294 p.

RUMANIA—HYDROELECTRIC POWER STATIONS

The Bistrita flows into the Bicaz Reservoir. A. Grebnev. Znamia 33 no. 11:129-115 N '63.

RUMANIA—LABOR AND LABORING CLASSES

Roman and Rustavi. L. Lerov. Ogonek 41 no. 52:8-9 D '63.

They will go far [translated from the Rumanian]. K Bozbici. Ukraina no 10 6-7 Ag '62

RUMANIA—POLITICS AND GOVERNMENT

"Governmental system of the Rumanian People's Republic" by E. A. Tikhonova. Reviewed by S Makogon. Rad. pravo no. 6 142-143 N-D '63.

RUNNING

Training of young middle distance runners in foreign countries. V. Il'inich. Probl. fiz. sporta no. 2:38-44 '61.

RUNOFF

(see also subdivision under Aras Valley, Chu Valley; Zagorsk District; Zeravshan Valley)

Water balance of the U.S.S.R. and its regulation. A. M. Grin. Izv. AN SSSR. Ser. geog. no 6:120-131 N-D '63.

RURAL CONSTRUCTION

Kulebakin, G. I. [Settlement and rural cooperative construction] Poselkovoe i sel'skoe kooperativnoe stroitel'stvo. [Moskva] Moskovskii rabochii, 1963. 310 p.

RURAL CONSTRUCTION—EQUIPMENT AND SUPPLIES

Ageev, V. M., and V. K. Rostotskii. [Machines and equipment for rural construction] Mashiny i oborudovanie dlia sel'skogo stroitel'stva; spravochnoe posobie. Moskva, Mashgiz, 1963. 318 p.

RURAL EDUCATION see Education, Rural

RURAL ELECTRIFICATION

Controlling booster transformers. L. Diuzhin. Tekh. v sel'khoz. 23 no. 9:48-51 S '63.

RURAL LIBRARIES

Life demands this. V. Akimova. Bibliotekar' no. 11:38-41 N '63.

Our working day. M. Tukhvatullina. Bibliotekar' no. 11: 22-24 N '63.

Woman of a Cossack village. V. Aleshin. Bibliotekar' no. 11:12-13 N '63.

RURAL MEDICINE see Medicine, Rural

RURAL SCHOOLS

Living and developing phenomena.... L. Novikova, A. Kurakin. Nar. obr. no. 12:44-54 D '63.

There is an elementary school in Ryazanovka. A. Golikov. Nar. obr. no. 12:29-30 D '63.

While the heart is beating. V. Klushnikov, K. TSar'kova. Nar. obr. no. 12:26-28 D '63.

RUSONI, LAKE—ZOOPLANKTON

Productivity of the zooplankton of Lake Rusoni [in Latvian with summary in English]. R. Line. Izv. AN Latv. SSR no. 9:71-75 '63.

RUSSIA—AIR FORCE

The flight leaves on an interception mission. B. Chlatov. Sov. voin 44 no. 2:13-15 Ja '62.

RUSSIA—ARMED FORCES

Along the bright road of the October Revolution. Voen. vest. 43 no. 10:3-6 O '63.

Changes in the high command of the Soviet Armed Forces. N. IA. Galaf. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 49/50:16-23 S-O '63.

Good journey. Sov. voin. 45 no. 22:20 N '63.

Vinogradov, IUrii. [Birth of an exploit; essays] Rozhdenie podviga; ocherki. Riga, Latviiskoe gos. izd-vo, 1963. 109 p.

RUSSIA—ARMED FORCES—GUARD DUTY

Regulations of garrison and guard duty. Voen. vest. 43 no. 10:10-11 O '63.

RUSSIA—ARMED FORCES—OFFICERS

[Authority of the commander] Avtoritet komandira Moskva, Voenizdat, 1963. 79 p.

RUSSIA—ARMED FORCES—POLITICAL ACTIVITY

Ability to convince. F. Podoprigora. Komm. Vooruzh. Sil 1 no. 23 64-70 D '63.

[Advanced experience in political work should be applied in practice] Peredovoi opyt politzaniatii - v praktiku. [By] A. Lebedev i dr. Moskva, Voenizdat, 1963. 132 p.

Arm political workers with profound military technical skills. V. Stukalov. Komm. Vooruzh. Sil 4 no. 23 24-29 D '63.

Development of Leninist principles in military build up in the program of the CPSU. D. Grinishin, F. Sinenko. Komm. Vooruzh. Sil 4 no. 23:8-16 D '63.

Discipline is the mother of victory in battle, the basis of progress in training. I. Semiokhin. Komm. Vooruzh. Sil 1 no. 23:78-84 D '63.

High, proud title. V. Khamov, A. Drovosekov. Sov. voin 45 no. 14 1-5 Jl '63.

Krainukov, K. V., and others. [Party work in the Russian Armed Forces during the years of the Great Patriotic War, 1941-1945, a brief historical review] Partiino-politicheskaia rabota v Sovetskikh Vooruzhennykh Silakh v gody Velikoi Otechestvennoi voiny, 1941-1945; kratkii istoricheskii obzor. Moskva, Voenizdat, 1963. 525 p.

Lead concretely and in a businesslike manner. Voen. vest. 43 no. 11:3-6 N '63.

The moral code for the builder of communism is the law of life for the Soviet soldier. M. Bol'shakov. Komm. Vooruzh. Sil 4 no. 23:71-77 D '63.

News of party and political work. Komm. Vooruzh. Sil 1 no. 23:93-96 D '63.

The strength of the party leader is in connection with the masses. A. Khotochkin. Komm. Vooruzh. Sil 4 no. 23:36-41 D '63.

To be on the alert is our sacred commandment. Voen. vest. 43 no. 10 7-9 O '63.

RUSSIA—ARMY

National property is your property. A. Koval'. Komm. Vooruzh. Sil 4 no. 23.59-63 D '63.

Role of the Russian Army in the War of Liberation of the German nation in the first half of 1813. F. Straube. Voen.-ist. zhur. 5 no. 10.108-114 O '63.

Tactics and operational skill of the Workers' and Peasants' Red Army at a new stage. A. I. Egorov. Voen.-ist. zhur. 5 no. 10:30-39 O '63.

Word to fellow soldiers. Viktor Tishchenko. Sov. voin. 15 no. 22 2-3 N '63.

RUSSIA—ARMY—ARTILLERY

Artillerymen at the bridgehead. A. Shilin. Voen.-ist. zhur. 5 no. 11.61-63 N '63.

Fruits of collective work. S. Denisov, I. Simonov, I. Shterenshus. Voen. vest. 43 no. 11:72-82 N '63.

Glorious traditions. K. P. Kazakov. Voen. vest. 43 no. 11 7-10 N '63.

Going in advance. P. Sidorenko. Voen. vest. 43 no. 11: 65-67 N '63.

In competition with the second hand. N. Medvedev. Voen. vest. 43 no. 11.67-71 N '63.

Our country's artillery power. V. Kazakov. Agitator no. 21.27-28 N '63.

Sumy Artillery Technical School is 45 years old. A. Degtiarev. Voen.-ist. zhur. 5 no. 11:119-121 N '63.

Voronov, N. N. [In the military service] Na sluzhbe voennoi. Moskva, Voenizdat, 1963. 436 p. (Voennye memuary)

RUSSIA—ARMY—BIOGRAPHY

Loboda, V. F. ["Slava," a soldier's medal] Soldatskaia Slava. Moskva, Voenizdat, 1963. 294 p.

RUSSIA—ARMY—GUARD DUTY

On guard duty. N. Sal'nikov. Sov. voin 45 no. 19:32 O '63.

RUSSIA—ARMY—MEDALS, BADGES, DECORATIONS, ETC.

Loboda, V. F. ["Slava," a soldier's medal] Soldatskaia Slava. Moskva, Voenizdat, 1963. 294 p.

RUSSIA—ARMY—MILITARY LIFE

"Heroes of our days; sketches about soldiers, sergeants, and officers of the Baku Antiaircraft Defense District." Sov. voin 44 no. 2:16 Ja '62.

RUSSIA—ARMY—OFFICERS

Backbone of the battalion. P. Mitin. Voen. vest. 43 no. 11:28-30 N '63.

Formation of young officers. I. Manoilo. Voen. vest. 43 no. 11:117-120 N '63.

Initiative of the commander. L. Korzun. Voen. vest. 43 no. 10:49-52 O '63.

RUSSIA—ARMY—PHYSICAL TRAINING

This is needed for flights. B. Evstaf'ev. Sov. voin. 45 no. 22 46 N '63.

RUSSIA—ARMY—POLITICAL ACTIVITY

Advanced experience into practice. A. Beloborodov. Voen. vest. 43 no. 11 20-23 N '63.

Letters from soldiers, some interesting forms of the Communist Youth League's work in the army. IU. Sumbatian and others. Komsom. zhizn'. no. 22:28-31 N '63.

From the lecture to the seminar; from the experience of independent work of officers. B. Orekhov. Voen. vest. 43 no. 10 64-68 O '63.

The memory of heroes summons us. V. Larin. Komsom. zhizn' no. 20:23-24 O '63.

Militant word of truth. Sov. voin 45 no. 12:1 Je '63

Our ideological weapon. Sov. voin 45 no. 14-1-2 Jl '63.

Reliable support. P. Bykov. Komsom. zhizn' no. 19:26 O '63.

The strength is in the collective. M. Epishkin. Voen. vest. 43 no. 11:24-27 N '63.

RUSSIA—ARMY—SPORTS

Army sportsmen at the Spartakiada. M. Kotov. Voen. vest. 43 no. 10:125-126 O '63.

Heading for Tokyo. Z. Firsov. Sov. voin 45 no. 19:42-43 O '63.

Kuper, A. M. [Construction, equipment and utilization of sports establishments in the Soviet Army] Stroitel'stvo, oborudovanie i ekspluatatsiia sportivnykh sooruzhenii v Sovetskoi Armii. Moskva, Voenizdat, 1963. 243 p. diagrs.

Muscles of steel. A. Andreev, V. Ostramenskii. Voen. vest. 43 no. 11:36-38 N '63.

Sunday is a sports day. I. Pozhidaev. Sov. voin 45 no. 14:45-46 Jl '63.

RUSSIA—CIVILIZATION

"Pocket-size" studies on Russian history. A. L. Gol'dberg. Vop. ist. 38 no. 11:165-168 N '63.

RUSSIA—COMMERCE

[Economics of Soviet trade] Ekonomika Sovetskoi torgovli; uchebnik. 2., dop. izd. Moskva, Politizdat, 1963. 519 p.

For closer ties between trade and production. E. Narbekova. Plan. khoz. 40 no. 11 63-69 N '63.

Let's carry out the decisions of the party. A. Shalamova Sov. torg. 37 no. 11.1-5 N '63.

Significance of inventories in ensuring the preservation of socialist property. Z. Klimova. Bukhg. uchet 20 no. 9:39-42 S '63.

RUSSIA—COMMERCE—JAPAN

The benevolent people from the Port of O-o. K. Odagawa. Nov. vrem. 21 no. 51:21 D '63.

RUSSIA—COMMUNIST PARTY see Communist Party of the Soviet Union

RUSSIA—CONSTITUTION

Our fundamental law. Rad. pravo no. 6:3-7 N-D '63.

RUSSIA—DEFENSES

Peaceful coexistence and the defense power of the U. S. S. R. I. Glagolev, V. Larionov. Mezhdunar. zhizn' 10 no. 11:30-46 N '63.

RUSSIA—DESCRIPTION AND TRAVEL

Path of friendship. Trugve Davidsen. Kul't. i zhizn' 7 no. 11:24-25 '63.

RUSSIA—ECONOMIC CONDITIONS

Academic conference on methodological problems in comparing the basic indices of the U. S. A. and the U. S. S. R. Vop. ekon. no. 10:123-138 O '63.

Akademiia nauk SSSR. Institut ekonomiki. [Socialist national economy of the U. S. S. R. in 1933 to 1940] Sotsialisticheskoe narodnoe khoziaistvo SSSR v 1933-1940 gg. Moskva, Izd-vo Akad. nauk SSSR, 1963. 665 p.

Akademiia nauk SSSR. Institut istorii. [Special features of imperialism in Russia] Ob osobennostiakh imperializma v Rossii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 439 p.

Along the bright road of the October Revolution. Voen. vest. 43 no. 10:3-6 O '63.

Following the road of Lenin. Part. zhizn' no. 21:3-8 N '63.

Notes of an observer. Sov. Soiuz no. 11:1 '63.

Sixty years in the communist system. P. IA. Gurov. Sel'. mekh. no. 10:2 of cover, 1-2 O '63.

Struggle of the party for the socialist industrialization of our country and its preparations for the complete collectivization of agriculture, 1926-1927. V. Poznlak. Komm. Ukr. 36 no. 11:73-76 N '63.

[This has been accomplished in the fourth year of the seven-year plan] Eto sdelano v chetvertom godu semiletki. [Donetsk] Donetskoe knizhnoe izd-vo, 1963. 74 p. (Ezhegodnik bor'by za semiletku)

RUSSIA—ECONOMIC GEOGRAPHY see Geography, Economic

RUSSIA—ECONOMIC POLICY

Characteristics of the transition from socialism to communism. K. Rukhmetov. Trudy Inst. filos. i prava Akad. Nauk Kazakh. SSR 16:4-24 '63.

Committee on ferrous and nonferrous metallurgy in the State Planning Commission of the U.S.S.R. V. I. Bryukov. Ogneupory 28 no. 12 536-537 '63.

Correlation between economics and politics. A. Zaitsev. Den'gi i kred. no. 8:12-19 Ag '63.

Developing a problem raised in the "History of the U.S.S.R. in several volumes." V. P. Dmitrenko. Vop. ist. 38 no. 11:141-146 N '63.

How our national economy is administered. G. Ivanov. Plan. khoz. 40 no. 11:87-88 N '63.

[Arbuz, V. V. [Learn to manage] Uchis' khozialstvovat'. Izd. 2., perer. i dop. Moskva, Metallurgizdat, 1963. 57 p. (Osnovy ekonomiki predpriiatii chernoi metallurgii)

Improve the planned guidance of the national economy. M. A. Chalkev. Plan. khoz. 40 no. 11:1-9 N '63.

[Marxism-Leninism on the material and technological basis of communism] Marksizm-leninizm o material'no-tekhnicheskoi baze kommunizma. Moskva, Gospolitizdat, 1963. 398 p.

The material and technological basis of communism and labor productivity. I. Tikhonov. Polit. samoobr. 7 no. 8:43-50 Ag '63.

A new document of V. I. Lenin. Part. zhizn' (Uzb.) 5 no. 10:3-16 O '62.

"Planovoe khoziaistvo. Voprosy istorii"; a review of periodicals. Polit. samoobr. 7 no. 8:122-126 Ag '63.

Production planning and the responsibility for fulfilling plans. N. Belav. Plan. khoz. 40 no. 12:74-75 D '63.

Toward higher achievements. Part. zhizn' no. 1:3-7 Ja '64.

Toward new achievements in the building of communism. Stan. i instr. 34 no. 11:1-2 N '63.

Grinson, M. S. [Economic planning in the Union Republics] Planirovanie narodnogo khoziaistva v soiuznykh respublikakh. Moskva, Ekonomizdat, 1963. 317 p.

Vedishchev, A. I. [Problems in the distribution of the productive forces of the U.S.S.R.] Problemy razmeshcheniia proizvoditel'nykh sil SSSR. Moskva, Ekonomizdat, 1963. 270 p.

Vikent'ev, A. I. [Development of the U.S.S.R. economy and its proportion problems] Razvitie ekonomiki SSSR i problemy proportsional'nosti. Moskva, Ekonomizdat, 1963. 250 p.

[illegible] ...am planning and ispol'zovanie publik, ing and national income of the Union Republics] Voprosy planirovaniia i ucheta proizvodstva, raspredeleniia i ispol'zovaniia natsional'nogo dokhoda soiuznykh respublik; materialy. Red. kollegiia: M. A. Adonts i dr. Erevan, Akad. nauk Armianskoi SSR, 1962. 255 p. (MH)

RUSSIA—ECONOMIC POLICY—AUDIO-VISUAL AIDS

[Russian goals; the fifth year of the seven-year plan] Rubezhi Rossii; piatyi god semiletki. [Al'bom-vystavka. Moskva, Izd-vo "Sovetskaia Rossiia," 1963] 24 l. In folder.

RUSSIA—ECONOMIC POLICY—PERIODICALS

From the readers' conference. Plan. khoz. 40 no. 11: 94-95 N '63.

RUSSIA—EUROPEAN WAR, 1914-1918

Morashov, S. I., ed. [The Bolshevik Party during the years of the First World War; overthrow of the monarchy in Russia] Partiia bol'shevikov v gody Pervoi Mirovoi voiny; sverzhenie monarkhii v Rossii. [By] V. V. Antonova i dr. Moskva, Gospolitizdat, 1963. 262 p.

RUSSIA—FOREIGN ECONOMIC RELATIONS—GERMANY

First five-year plan of the U.S.S.R. and the foreign policy of German imperialism [translated from the German]. G. Rosenfeld. Ist. SSSR 7 no. 6:183-198 N-D '63.

RUSSIA—FOREIGN RELATIONS

Akademiia nauk SSSR. Institut istorii. [Program of the CPSU and the foreign policy of the U.S.S.R.] Programma KPSS i vneshniaia politika SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 106 p. (Nauchno-populiarnaia serila)

Along the bright road of the October Revolution. Voen. vest. 43 no. 10:3-6 O '63.

[Foreign policy of the Soviet Union and international relations; a collection of documents, 1962] Vneshniaia politika Sovetskogo Soiuza i mezhdunarodnye otnoshenila; sbornik dokumentov, 1962 god. Moskva, Izd-vo IMO, 1963. 462 p.

"Foreign policy of the U.S.S.R., 1924-1929" by S. IU. Vygodskii. Reviewed by V. I. Popov. Ist. SSSR 7 no. 6 161-164 N-D '63.

Khrushchev, N. S. [Prevention of war is a task of paramount importance; from his addresses of 1956-1963] Predotvrashchenie voiny — pervostepennaia zadacha; iz vystuplenii 1956-1963 gg. Moskva, Izd-vo lit-ry na inostrannykh iazykakh, 1963. 191 p.

Marxist-Leninist dialectics and the problems of peaceful coexistence. IU. A. Krasin. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 6:3-12 '63.

Russia (1923- U.S.S.R.) Ministerstvo inostrannykh del. [Documents on the foreign policy of the U.S.S.R.] Dokumenty vneshnei politiki SSSR. Moskva, Gospolitizdat.

Vol. 8. [January 1- December 31, 1925] 1 ianvaria-31 dekabria 1925 g. Red. kollegiia vos'mogo toma I. K. Koblikov i dr. 1963. 861 p.

To be on the alert is our sacred commandment. Voen. vest. 43 no. 10 7-9 O '63.

RUSSIA—FOREIGN RELATIONS—AFRICA

The Soviet Union and Africa. Sov. Soiuz no. 11:53 '63.

RUSSIA—FOREIGN RELATIONS—CHINA

Sun Yat-sen's attitude toward Soviet Russia [with summary in English, p. 221]. S. L. Tikhvinskii. Vop. ist. 38 no. 12:71-85 D '63.

RUSSIA—FOREIGN RELATIONS—GREAT BRITAIN

Anglo-Soviet relations on the eve of the Great Patriotic War [with summary in English, pp. 220-221]. V. G. Trukhanovskii. Vop. ist. 38 no. 12:52-70 D '63.

From the history of Anglo-Russian relations in the middle East during the initial period of the Anglo-Boer War. A. L. Vitukhnovskii. Uch. zap. Petrozav. gos. un. 7 no. 1 115-130 '58.

RUSSIA—FOREIGN RELATIONS—INDONESIA

"The Soviet Union and Indonesia." Reviewed by A. P. Lavrent'ev. Vop. ist. 38 no. 11:126-127 N '63.

RUSSIA—FOREIGN RELATIONS—IRAN

The Soviet Union and Iran; comments. Nov. vrem. 21 no. 47:3 N '63.

RUSSIA—FOREIGN RELATIONS—LATIN AMERICAN

Position of the Russian Government in the early stage of the Latin American Wars of Independence. Submitted by N. N. Bolkhovitinov. Ist. arkh. 8 no. 3:120-131 My-Je '62.

RUSSIA—FOREIGN RELATIONS—NEAR EAST

N. A. Serno-Solov'evich's unknown work. I. E. Barenbaum. Ist. SSSR 7 no. 6:138-142 N-D '63.

RUSSIA—FOREIGN RELATIONS—TURKEY

Russian people as a sincere and genuine friend of our country. Kemal Atatürk. Mezhdunar. zhizn' 10 no. 11 146-160 N '63.

RUSSIA—FOREIGN RELATIONS—UNITED STATES

Lopatin, V. F. [Failure of the anti-Soviet plans of the U.S.A.; Genoa-The Hague, 1922] Proval antisovetskikh planov SShA; Genua-Gaaga 1922. Moskva, Sotsekgiz, 1963. 235 p.

Our commentaries. Nov. vrem. 21 no. 46:1-3 N '63.

Our Soviet neighbor, Holland Roberts. Nov. vrem. 21 no. 46:13 N '63.

RUSSIA—GEOGRAPHY see Geography

RUSSIA—HISTORICAL GEOGRAPHY

New data on the place of the battle on the ice of Lake Peipus, results of the multipurpose expedition of the Institute of Archaeology of the Academy of Sciences of the U.S.S.R. G. N. Karaev. Ist. SSSR 7 no. 6:57-74 N-D '63.

RUSSIA—HISTORIOGRAPHY

Akademiia nauk SSSR. Institut istorii. [Studies on the history of historical science in the U.S.S.R.] Ocherki istorii istoricheskoi nauki v SSSR. Pod red. M. V. Nechkinoi i dr. Moskva, Izd-vo Akad. nauk SSSR Vol. 3. 1963. 830 p.

[The study of source materials for the history of the U.S.S.R.; a textbook] Istochnikovedenie istorii SSSR; uchebnoe posobie. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1962-

No. 1. Tikhomirov, M. N. [From ancient time to the end of the 18th century] S drevneishi vremen do kontsa XVIII veka.

No. 2. Nikitin, S. A. [The 19th century (to the beginning of the 1890's)] XIX v. (do nachal 90-kh godov).

(NcD)

RUSSIA—HISTORY

Akademiia nauk SSSR. Institut istorii. [Brief history of the U.S.S.R. in two parts] Kratkaia istoriia SSSR dvukh chastiakh. Moskva, Izd-vo Akad. nauk SSSR Pt. 1. [From the ancient times to the Great October Socialist Revolution] S drevneishikh vremen do Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii. 1963. 535 p.

Brief notes. Vop. ist. 38 no. 11:153-155 N '63.

Brief notes. Vop. ist. 38 no. 12 153-155 D '63.

Date of the suppression of the Khlopka uprising S.S. Lur'e. Vop. ist. 38 no. 11 209-211 N '63.

Discussing the problem of the colonial policy of the pre-revolutionary government. A. N. Sakharov. Vop. ist. 38 no. 11:148-153 N '63.

From the pages of historical periodicals. Prep. ist. v shkole 18 no. 6 113-119 N-D '63

Kommunisticheskaia partiia Sovetskogo Soiuza. Vysshaia partiinaia shkola. Kafedra istorii SSSR. [History of the U.S.S.R.] Istoriia SSSR, uchebnoe posobie, izd. 2., dop. Pod obshchei red. B. D. Datsiuka. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1963. 871 p.

The Liberation War of 1812 and Russian society [with summary in English, p. 221]. N. M. Druzhinin. Vop. ist. 38 no. 11:34-46 N '63.

More about the "Department of Russian cities" in the 16th century. S. M. Kashtanov. Vop. ist. 38 no. 11, 211-213 N '63.

New steps in studying the revolutionary situation of the 1860's in Russia and the kingdom of Poland. L. A. Obushenkova, S. M. Fal'kovich. Ist. SSSR 7 no. 6 203-207 N-D '63.

Pankratova, A. M. [Formation of the Russian proletariat, the 17th and 18th centuries] Formirovanie proletariata v Rossii, XVII-XVIII vv. Moskva, Izd-vo Akad. nauk SSSR, 1963. 489 p.

"Pocket-size" studies on Russian history. A. L. Gol'dberg. Vop. ist. 38 no. 11:165-168 N '63.

"Readings in the history of the U.S.S.R., the 16th and 17th centuries" and "Readings in the history of the U.S.S.R., the 18th century." Reviewed by S. M. Troitskii. Vop. ist. 38 no. 12:127-129 D '63.

Solov'ev, S. M. [Russian history from ancient times in 15 books] Istoriia Rossii s drevneishikh vremen v piatnadtsati knigakh. Moskva, Sotsekgiz

Book 3 (vols. 5-6). 1960. 814 p.

Book 5 (vols. 9-10) 1961. 754 p.

"Studies on the history of Russian sociopolitical ideas in the late 1850's and the early 1860's" by N. G. Sladkevich. Reviewed by P. A. Zaionchkovskii. Vop. ist. 38 no. 12:120-122 D '63.

Summing up the discussion of the "ascending" and "descending" stages of feudalism [with summary in English, p. 220]. M. V. Nechkina. Vop. ist. 38 no. 12 31-51 D '63.

RUSSIA—HISTORY—SOURCES

Four documents expounding the program of the "Narodnaia volia" Group. Submitted by B. S. Itenberg. Ist. arkh. 8 no. 3:132-139 My-Je '62.

A message of Ivan the Terrible, 1573. V. I. Buganov. Ist. arkh. 8 no. 3 221-223 My-Je '62.

Nikolaeva, A. T. [Short essay on the development of source studies in Russia in the 18th century] Kratki ocherk razvitiia istochnikovedeniia v Rossii v XVIII veke, uchebnoe posobie. Red. E. A. Lutskii. Moskva, Mosk. gos. istoriko-arkhivnyi in-t, 1962. 43 p.

Peresvetov, R. T. [The trail of finds and losses] Po sledam nakhodok i utrat. Izd. 2., ispr. i dop. [Moskva] Sovetskaia Rossiia [1963] 286 p.

A review of new books. S. A. Levina and others. Ist. arkh. 8 no. 3:201-204 My-Je '62.

"The Russian peasant movement, 1826-1849" and "The Russian peasant movement, 1850-1856." Reviewed by V. A. Fedorov. Vop. ist. 38 no. 11:119-122 N '63.

Two letters of Johann Taube. Submitted by E. Winter. Ist. arkh. 8 no. 3 140-155 My-Je '62.

RUSSIA—HISTORY, COMIC, SATIRICAL, ETC.

Stykalin, S. I., and I. K. Kremenskaia. [Soviet satiric press, 1917-1963] Sovetskaia satiricheskaia pechat', [illegible] 1963. 483 p.

RUSSIA—LANGUAGES

Khanazarov, K. Kh. [National languages and the drawing together of the nationalities in the U. S. S. R.] Sblizhenie natsii i natsional'nye iazyki v SSSR. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1963. 240 p.

RUSSIA—LITERATURES

Amid periodicals and newspapers. Vop. lit. 7 no. 10: 227-230 O '63.

Brief news. Vop. lit. 7 no. 10:240-255 O '63

RUSSIA—LITERATURES—BIBLIOGRAPHY

Moscow. Publichnaia biblioteka. [Soviet literature, 1962; a recommended reading list] Sovetskaia literatura, 1962, rekomendatel'nyi ukazatel' Moskva, 1963. 123 p. (Novinki khudozhestvennoi literatury)

RUSSIA—MANUFACTURES

For closer ties between trade and production. E. Narbekova. Plan. khoz. 40 no. 11 63-60 N '63.

RUSSIA—MILITARY POLICY—CONGRESSES

Conference on Soviet military doctrine. L. Belousov. Voen.-ist. zhur. 5 no. 10:121-126 O '63.

RUSSIA—NAVY

Mikhailovskii, N. G. [Wind force 9] Deviat' ballov. [Murmansk] Murmanskoe knizhnoe izd-vo, 1962. 198 p. (MH)

Underground work of a seaman in 1903 and 1904. I. IAkhnovskii. Voen.-ist. zhur. 5 no. 11 80-83 N '63.

RUSSIA—NAVY—REGULATIONS

For model observance of regulations on a ship. G. Ditskii. Komm. Vooruzh. Sil 4 no. 23 30-35 D '63.

RUSSIA—POLITICS AND GOVERNMENT

Basic trends in the development of Soviet democracy during the large-scale building of communism. A. Aimbetov. Trudy Inst. filos. i prava AN Kazakh. SSR 8:62-81 '63.

Chronicle of recent events in the U. S. S. R. IU. P. Mihonenko. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 49/50 81-89 S-O '63.

The correlation of politics and economics under socialism. V. Fomina. Polit. samoobr. 7 no. 8:57-61 Ag '63.

Fedorov, K. G. [Governmental organs of the Union, 1922-1962] Soiuznye organy vlasti, 1922-1962. Moskva, Gosiurizdat, 1963. 188 p.

Following the road of Lenin. Part. zhizn' no. 21:3-8 N '63.

[Gazette of the Supreme Soviet of the U. S. S. R.] Ved. Verkh. Sov. SSSR 27 nos. 4-5 Ja '64.

How the socialist state develops into communist self-government. Sov. iust. no. 21:4-6 N '63.

Il'ichev, L. F., and others. [Discussions on political topics] Besedy na politicheskie temy. Moskva, Politizdat, 1964. 342 p.

Inspiring example. Annibal Bonavides. Agitator no. 21: 11-12 N '63.

Kerimov, D. A. [The people and the state] Narod i gosudarstvo. Leningrad, Ob-vo po raspr. polit. i nauchn. znanii RSFSR, 1963. 55 p.

Kozochkina, E. D. [The IIth Congress of the Party. The Communist Party as the organizer of the U. S. S. R.] XI s"ezd partii. Kommunisticheskaia partiia - organizator SSSR; lektsii. [Moskva] Izd-vo Mosk. univ., 1963. 44 p.

Lunev, A. E. [Ensuring a strict observance of laws in Soviet governmental administration] Obespechenie zakonnosti v Sovetskom gosudarstvennom upravlenii. Moskva, Izd-vo "Iuridicheskaia literatura," 1963. 155 p.

Mel'nikov, A. P. [Program of the CPSU on the tasks of the Party in the fields of state organization and continuing development of socialist democracy. Aid for students of correspondence and evening courses studying the materials of the 22d Congress of the CPSU] Programma KPSS o zadachakh partii v oblasti gosudarstvennogo stroitel'stva i dal'neishego razvitiia sotsialisticheskoi demokratii. V pomoshch' studentam zaochnogo i vechernego obucheniia, izuchaiushchim materialy XXII s"ezda KPSS. [n. p.] Rosvuzizdat, 1963. 33 p.

Our people's government: U. S. S. R. Constitution Day. S. Zagoruiko. Agitator no. 22:15-17 N '63.

Standing committees of local soviets. A. V. Maidannik. Izv. vys. ucheb. zav., prav. 7 no. 3:127-133 '63.

RUSSIA—REBELLION OF BULAVIN, 1707-1708

New study of the Rebellion of Bulavin. V. I. Buganov, V. I. Lebedev. Vop. ist. 38 no. 12:124-127 D '63.

RUSSIA—RELATIONS (GENERAL) WITH CEYLON

The power of kindness, prosperity, and abundance. V. Perera. Vest. sviazi 22 no. 11:30-31 N '62.

RUSSIA—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

Our visitors. Sov. Soiuz no. 11:54-55 '63.

They come for experience to the U. S. S. R. Sov. Soiuz no. 11:4 '63.

Visits, meetings and discussions. Kul't. i zhizn' 7 no. 11 23 '63.

RUSSIA—RELATIONS (GENERAL) WITH FRANCE

Jean Casalbout visits us. Kul't. i zhizn' 7 no. 11:26 '63.

RUSSIA—RELATIONS (GENERAL) WITH GERMANY

"The German proletariat in the struggle for peace with Soviet Russia, November 1917-February 1919" by I. S. Kremer. Reviewed by M. A. Poltavskii. Vop. ist. 38 no. 12 136-137 D '63.

RUSSIA—RELATIONS (GENERAL) WITH GREECE

"Russia and Greece during the regency of King Othon, 1832-1835" [in English] by B. Jelavich. Reviewed by G. L. Arsh. Vop. ist. 38 no. 11:168-170 N '63.

RUSSIA—RELATIONS (GENERAL) WITH UNDER-DEVELOPED AREAS

Samylovskii, L. V. [Scientific and cultural relations of the Soviet Union with the countries of Asia and Africa] Nauchnye i kulturnye sviazi SSSR so stranami Azii i Afriki. Moskva, Izd-vo vostochnoi lit-ry, 1963. 67 p.

RUSSIA—RELATIONS (GENERAL) WITH THE UNITED STATES

Americans and the Soviet Union. L. Bezymenskii. Nov. vrem. 21 no. 52:5-8 D '63.

RUSSIA—RELIGION

The most important events in the life of churches and religious groups in the U. S. S. R. N. A. Teodorovich. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 49/50 73-80 S-O '63.

RUSSIA—REVOLUTION, 1917-1921

Activities of the Military Organization of the Central Committee of the Russian Social-Democratic Workers' Party (Bolshevik) on the eve of the armed October revolt. E. Erykalov. Voen.-ist. zhur. 5 no. 11:18-31 N '63.

Blukher, V. K. [V. K. Blukher; articles and speeches] V. K. Blukher, stat'i i rechi. Moskva, Voenizdat, 1963. 232 p.

Discussing a problem raised in the "History of the U. S. S. R." in several volumes." V. P. Dmitrenko. Vop. ist. 38 no. 11:144-148 N '63.

The forces of international opportunism and their tactical position in the question of war and peace, February-October 1917 [with summary in English, p. 222]. S. A. Mogilevskii. Vop. ist. 38 no. 12:103-114 D '63.

From the history of the Soviet Lithuanian Regiment. B. Kolchigin. Voen.-ist. zhur. 5 no. 11:76-80 N '63.

In honor of the 45th anniversary of the Great October Revolution. Vest. sviazi 22 no. 11:25 N '62.

Lenin, V. I. [Complete works] Polnoe sobranie sochinenii. Izd-5 Moskva, Gospolitizdat,
Vol. 42. [November 1920-March 1921] Noiabr' 1920-mart 1921. 1963. 608 p.

Preparation of studies devoted to the 50th anniversary of the Great October Socialist Revolution. I. I. Mints. Vop. ist. 38 no. 11:82-108 N '63.

Role of the telecommunication workers in the Great October Revolution. N. S. Zabavnikov. Vest. sviazi 22 no. 11, 26-28 N '62.

Stasova, E. D., ed. [In the circle of the fronts: young people in the years of the civil war] V kol'tse frontov: molodezh' v gody grazhdanskoi voiny; sbornik dokumentov. [Moskva] Molodaia gvardiia, 1963. 413 p.

Transition from the policy of neutralizing the middle class peasants to a solid unity with them as one of the most important conditions of the victory over Kolchak. S. F. Vakhonin. Uch. zap. Orekh.-Zuev. ped. inst. 20 no. 3:35-48 '63.

V. I. Lenin's views on the successive periods of the Great October Socialist Revolution. M. E. Naidenov. Ist. SSSR 7 no. 6:3-19 N-D '63.

We shouldn't tolerate the distorted description of historical events and facts. IA. M. Gorelik. Vop. ist. 38 no. 12:263-265 D '63.

RUSSIA—REVOLUTION, 1917-1921—BULGARIAN PARTICIPATION

Revolutionary work of the Bulgarian Communists in Soviet Russia, 1918-1919. R. P. Grishina. Vop. ist. 38 no. 12:176-177 D '63.

RUSSIA—REVOLUTION, 1917-1921—CAMPAIGNS

D'iachenko, G. Kh. [Nesterov's heirs] Naslediki Nesterova. Moskva, Voenizdat, 1963. 170 p.

RUSSIA—REVOLUTION OF 1905

The Bolshevik Party in the Revolution of 1905-1907. G. Alfeeva. Komm. Ukr. 38 no. 11:69-73 N '62.

History of the first Russian revolution and the Rockefeller Foundation. N. A. Khalfin. Vop. ist. 38 no. 11: 163-165 N '63.

V. I. Lenin's struggle for the leadership of the working class and the idea of the dictatorship of the proletariat on the eve of the First Russian Revolution of 1905-1907. F. I. Fomichev. Uch. zap. Orekh.-Zuev. ped. inst. 20 no. 3:3-33 '63.

RUSSIA—RURAL CONDITIONS

Growth of the material welfare of the rural population. N. Lagutin. Ekon. sel'khoz. 34 no. 11:51-57 N '63.

RUSSIA—SOCIAL CONDITIONS

Tomorrow begins here. Frank Hardy. Ogonek 41 no. 52 6-7 D '63.

RUSSIA—STATISTICS

More eloquent than words. G. Kiperman. Plan. khoz. 40 no. 12:80-84 D '63.

[National economy of the R. S. F. S. R. in 1962; statistical yearbook] Narodnoe khoziaistvo RSFSR v 1962 godu; statisticheskii ezhegodnik. Moskva, Gosstatizdat, 1963. 607 p.

RUSSIA, NORTHERN—ACCLIMATIZATION

Akademiia meditsinskikh nauk SSSR. Moscow. [Health of man in the Far North; transactions of the Scientific Session of the Academy of Medical Sciences of the U. S. S. R. and the Ministry of Public Health of the R. S. F. S. R. in Murmansk from June 22 to 24, 1961] Zdorov'e cheloveka na Krainem Severe; trudy Nauchnoi sessii Akademii meditsinskikh nauk SSSR i Ministerstva zdravookhraneniia RSFSR v Murmanske 22-24 iiunia 1961 g. Pod red. N. N. Litvinova. Moskva, Medgiz, 1963. 222 p.

RUSSIA, NORTHERN—BONUS SYSTEM

Replies to our readers. Sov. profsoiuzy 19 no. 18:44-45 S '63.

RUSSIA, NORTHERN—DESCRIPTION AND TRAVEL

Activities of V. V. Krastinin in studying Northern Russia. E. M. Epshtein. Uch. zap. Petrozav. gos. un. 7 no. 1: 152-166 '58.

RUSSIA, NORTHERN—DISCOVERY AND EXPLORATION

Levchenko, S. V., and D. L. Mozeson. [Golden Kolyma; from the history of the discovery and mastering of the northeastern U. S. S. R.] Zolotaia Kolyma; iz istorii otkrytiia i osvoeniia Severo-Vostoka SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 93 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

RUSSIA, NORTHERN—ELECTRIC POWER DISTRIBUTION

Seasonal change of the capacitance of electric power transmission lines in the Arctic Regions. N. N. Maksimenko. Elek. sta. 34 no. 10 82-83 O '63.

RUSSIA, NORTHERN—GEOLOGY, STRATIGRAPHIC

[Stratigraphy of Jurassic and Cretaceous systems in the North of the U. S. S. R.] Stratigrafiia iurskoi i melovoi sistem Severa SSSR. [By] V. N. Saks i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 226 p.
___ ___ ___ 5 charts.

RUSSIA, NORTHERN—INDUSTRIES

Valuable book on the Soviet North. B. F. Shapalin. Geog. i khoz. no. 12:88-92 '63.

RUSSIA, NORTHERN—LAND TENURE

Evolution of land tenure of crown peasants in the Ural Mountain region and in the European part of Northern Russia during the second half of the 18th and the first third of the 19th century. A. S. Cherovani. Uch. zap. Petrozav. gos. un. 7 no. 1:85-100 '59.

RUSSIA, NORTHERN—MEDICAL GEOGRAPHY

Akademiia meditsinskikh nauk SSSR. Moscow. [Health of man in the Far North; transactions of the Scientific Session of the Academy of Medical Sciences of the U. S. S. R. and the Ministry of Public Health of the R. S. F. S. R. in Murmansk from June 22 to 24, 1961] Zdorov'e cheloveka na Krainem Severe; trudy Nauchnoi sessii Akademii meditsinskikh nauk SSSR i Ministerstva zdravookhraneniia RSFSR v Murmanske 22-24 iiunia 1961 g. Pod red. N. N. Litvinova. Moskva, Medgiz, 1963. 222 p.

RUSSIA, NORTHERN—MINES AND MINERAL RESOURCES

Levchenko, S. V., and D. L. Mozeson. [Golden Kolyma; from the history of the discovery and mastering of the northeastern U. S. S. R.] Zolotaia Kolyma; iz istorii otkrytiia i osvoeniia Severo-Vostoka SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 93 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

RUSSIA, NORTHERN—TALES

Tales of Northern Russia as recorded by A. I. Nikoforov. Reviewed by E. Pomerantseva. Sov. etn. no. 5:159-161 S-O '63.

RUSSIA, NORTHERN—TRANSPORTATION

Selecting the type of land transportation in northeastern U. S. S. R. E. A. Poliakov. Geog. i khoz. no. 12:49-54 '63.

Valuable book on the Soviet North. B. F. Shapalin. Geog. i khoz. no. 12:88-92 '63.

RUSSIA, NORTHERN—WAGES

Replies to our readers. Sov. profsoiuzy 19 no. 18:44-45 S '63.

RUSSIA, NORTHWESTERN—HEALTH RESORTS, WATERING PLACES, ETC.

Mineral waters of the Northwest. A. I. Dzens-Litovskii, V. F. Derpgol'ts. Zvezda no. 5:195-196 My '62.

RUSSIAN EXPLORATION see subdivision under Usuri

RUSSIAN LANGUAGE—DIALECTS
(See also subdivision under Vologda Province; Zaonezhskiy District)

A search for words. V. Garnovskii. Volog. krai no. 3: 263-266 '62.

RUSSIAN LANGUAGE—DICTIONARIES

Akademiia nauk SSSR. Institut russkogo iazyka. [Dictionary of the modern Russian literary language] Slovar' sovremennogo russkogo literaturnogo iazyka. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 15. T. 1963. 1288 columns.

Peshkov, E. O., and N. I. Fadeev. [Technical dictionary for students; manual for the practical exercises of students of grades 5-8] Tekhnicheskii slovar' shkol'nika; posobie dlia prakticheskikh zaniatii uchashchikhsia V-VIII klassov. Izd. 3., ispr. i dop. Moskva, Uchpedgiz, 1963. 222 p.

RUSSIAN LANGUAGE—DICTIONARIES—CHINESE

Palei, IA. D., and V. K. IUstov, comps. [Concise Russian-Chinese dictionary] Kratkii russko-kitaiskii slovar'. Okolo 16000 slov. Izd-4, perer. Moskva, Gos. izd-vo inostr. i natsional'nykh slovarei, 1963. 590 p.

RUSSIAN LANGUAGE—DICTIONARIES—MOLDAVIAN

Balyr, D. G., comp. [Russian-Moldavian chemical dictionary] Russko-moldavskii khimicheskii slovar', Kishinev, Gos. izd-vo "Kartia moldovenieske," 1963. 353 p.

RUSSIAN LANGUAGE—DICTIONARIES—SWAHILI

Kutuzov, A. I. [Dictionary of Russian-Swahili newspaper lexicon] Slovar' russko-suahilii gazetnoi leksiki. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1963. 174 p.

RUSSIAN LANGUAGE—ETYMOLOGY—DICTIONARIES

Shanskii, N. M. [Etymological dictionary of the Russian language] Etimologicheskii slovar' russkogo iazyka. [Moskva] Izd-vo Mosk. univ.
Vol. 1. No. 1. A. 1963. 196 p.

RUSSIAN LANGUAGE—FOREIGN WORDS AND PHRASES

Superanskaia, A. V. [The borrowing of words and a practical transcription] Zaimstvovanie slov i prakticheskaia transkriptsiia. Moskva, Izd-vo Akad. nauk SSSR, 1962. 47 p.
(MH)

RUSSIAN LANGUAGE—INTONATION

Bryzgunova, E. A. [Practical phonetics and intonation in Russian; textbook for teachers working with foreigners] Prakticheskaia fonetika i intonatsiia russkogo iazyka; posobie dlia prepodavatelei, zanimaiushchikhsia s inostrantsami. [Moskva] Izd-vo Mosk. univ., 1963. 305 p.

RUSSIAN LANGUAGE—PHONETICS

Bryzgunova, E. A. [Practical phonetics and intonation in Russian; textbook for teachers working with foreigners] Prakticheskaia fonetika i intonatsiia russkogo iazyka; posobie dlia prepodavatelei, zanimaiushchikhsia s inostrantsami. [Moskva] Izd-vo Mosk. univ., 1963. 305 p.

RUSSIAN LANGUAGE—PROGRAMMED INSTRUCTION

Pedagogical efficiency of programmed instruction; from experimental work. L. N. Isaev. Sov. pedag. 27 no. 11: 118-126 N '63.

RUSSIAN LANGUAGE—SPOKEN RUSSIAN

Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut obshchego i politekhnicheskogo obrazovaniia. [Development of students' speech in grades 5-8; carrying out the requirements of the new program] Razvitie rechi uchashchikhsia V-VIII klassov; realizatsiia trebovanii novoi programmy. Pod red. V. A. Dobromyslova. Izd. 2., ispr. Moskva, Uchpedgiz, 1963. 218 p.

Preobrazhenskaia, E. P., and L. F. Ryndina. [Exercises in speech development during the study of grammar] Uprazhneniia po razvitiiu rechi pri izuchenii grammatiki, iz opyta raboty. Posobie dlia uchitelei. Leningrad, Uchpedgiz, 1963. 131 p.

RUSSIAN LANGUAGE—STUDY AND TEACHING
(see also subdivision under Great Britain; Udmurt A.S.S.R.)

Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut obshchego i politekhnicheskogo obrazovaniia. [Student participation and independence in Russian language classes; elementary classes] Aktivnost' i samostoiatel'nost' uchashchikhsia na urokakh russkogo iazyka; nachal'nye klassy. Pod red. T. G. D'iakonovoi i V. A. Kustarevoi. Moskva, Izd-vo APN RSFSR, 1963. 158 p. (Pedagogicheskie chteniia)

Barinova, E. A., L. F. Bozhenkova, and N. A. Kozlova. [Independent work of students in the study of Russian] O samostoiatel'noi rabote uchashchikhsia pri izuchenii russkogo iazyka; posobie dlia uchitelia. Moskva, Uchpedgiz, 1963. 149 p.

Bobrova, A. N. [Language progress in studying verbal forms] Razvitie rechi pri izuchenii glagol'nykh form, iz opyta raboty. Posobie dlia uchitelei. Leningrad, Uchpedgiz, 1963. 137 p.

"Essays on the history of the development of the methods of teaching the Ukrainian and Russian languages in general elementary and secondary schools" by V. I. Masal'skyi. Reviewed by M. M. Myronov, M. I. Doroshenko. Ukr. mova i lit. v shkoli 13 no. 5:86-89 Jl '63.

Gorskaia, G. I. [New methods in teaching Russian; from work practices of a teacher in the city of Lipetsk]. Novoe na urokakh russkogo iazyka; iz opyta raboty uchitelia g. Lipetska. Moskva, Uchpedgiz, 1963. 114 p.

Tyumen' notebooks. Z. Korobitsyna. Nar. obr. no. 8:43-46 S '63.

Zemskii, A. M., S. E. Kriuchkov, and M. V. Sviataev. [Russian language; textbook for normal schools] Russkii iazyk; uchebnik dlia pedagogicheskikh uchilishch. Pod red. V. V. Vinogradova. Izd. 6., ispr. Moskva, Uchpedgiz.
Pt. 1. [Lexicology, phonetics, and morphology] Leksikologiia, fonetika i morfologiia. 1963. 290 p.

RUSSIAN LANGUAGE—STYLE

Periodic sentences in the epic "Dead souls" by N. V. Gogol'. M. A. Pustynnikova. Uch. zap. Petrozav. gos. un. 7 no. 1:225-246 '58.

RUSSIAN LANGUAGE—SYNONYMS

Synonyms in the tale "Mother" by A. M. Gor'kii. M. IA. Krivonkina. Uch. zap. Petrozav. gos. un. 7 no. 1:203-224 '58.

RUSSIAN LANGUAGE—TECHNICAL RUSSIAN

Peshkov, E. O., and N. I. Fadeev. [Technical dictionary for students; manual for the practical exercises of students of grades 5-8] Tekhnicheskii slovar' shkol'nika; posobie dlia prakticheskikh zaniatii uchashchikhsia V-VIII klassov. Izd. 3., ispr. i dop. Moskva, Uchpedgiz, 1963. 222 p.

RUSSIAN LANGUAGE—TERMS AND PHRASES

Gavrin, S. G. [Studying the phraseology of Russian in schools; teachers' aid] Izuchenie frazeologii russkogo iazyka v shkole; posobie dlia uchitelia. Moskva, Uchpedgiz, 1963. 149 p.

RUSSIAN LANGUAGE—TEXTBOOKS FOR FOREIGNERS

Akademiia nauk SSSR. Kafedra inostrannykh iazykov. [Most frequently used verbs in modern Russian practical text for foreigners studying Russian] Naibolee upotrebitel'nye glagoly sovremennogo russkogo iazyka; prakticheskoe posobie dlia inostrantsev, izuchaiushchikh russkii iazyk. Sost. A. K. Demidova i dr. Otv. red. A. K. Demidova. Moskva, Izd-vo Akad. nauk SSSR, 1963. 46 p.

Moscow. Universitet. Podgotovitel'nyi fakul'tet dlia inostrannykh grazhdan. [Theory and methods of teaching Russian to foreigners] Voprosy teorii i metodiki prepodavaniia russkogo iazyka inostrantsam; sbornik statei. [Moskva] Izd-vo Mosk. univ., 1963. 246 p.

RUSSIAN LANGUAGE—TRANSLITERATION

Superanskaia, A. V. [The borrowing of words and a practical transcription] Zaimstvovanie slov i prakticheskaia transkriptsiia. Moskva, Izd-vo Akad. nauk SSSR, 1962. 47 p.
(MH)

RUSSIAN LANGUAGE—VERB

Akademiia nauk SSSR. Kafedra inostrannykh iazykov. [Most frequently used verbs in modern Russian; practical text for foreigners studying Russian] Naibolee upotrebitel'nye glagoly sovremennogo russkogo iazyka; prakticheskoe posobie dlia inostrantsev, izuchaiushchikh russkii iazyk. Sost. A. K. Demidova i dr. Otv. red. A. K. Demidova. Moskva, Izd-vo Akad. nauk SSSR, 1963. 46 p.

Bobrova, A. N. [Language progress in studying verbal forms] Razvitie rechi pri izuchenii glagol'nykh form; iz opyta raboty. Posobie dlia uchitelei. Leningrad, Uchpedgiz, 1963. 137 p.

RUSSIAN LITERATURE—BIBLIOGRAPHY see Bibliography—Russian literature

RUSSIAN LITERATURE—HISTORY AND CRITICISM

Along the road of creators; notes on contemporary Soviet prose. Agitator no. 21:60-62 N '63.

El'iashevich, A. P. [Real and imaginary heroes; literary criticism] Geroi istinnye i mnimye; literaturno-kriticheskie stat'i. Moskva, Sovetskii pisatel', 1963. 402 p.

Fokht, U. R. [Paths of Russian realism] Puti russkogo realizma. Moskva, Sovetskii pisatel', 1963. 262 p.

[Friendship among nations in the Lithuanian and Russian literatures] Tautu draugystė leituviu ir rusu literaturose; straipsniu rinkinys. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1963. 307 p. [In Lithuanian]

In unison with the intelligent hero. L. Mikhailova. Znamia 33 no. 11:203-216 N '63.

Leningrad. Universitet. [N. A. Dobroliubov, critic and historian of Russian literature] N. A. Dobroliubov-kritik i istorik russkoi literatury. [Leningrad] 1963. 171 p.

Moscow. Moskovskii gosudarstvennyi pedagogicheskii institut. Kafedra russkoi literatury. [History of 19th century Russian literature] Istoriia russkoi literatury XIX veka. Pod red. F. M. Golovenchenko i S. M. Petrova. Izd. 2. Moskva, Uchpedgiz,
Vol. 1. 1963. 727 p.

Nature of the warrior." M. Zel'dovich, L. Livshits. Vop. lit. 7 no. 10:26-49 O '63.

Source of wealth and joy. A. Naldeev. V mire knig 3 no. 10:21-22 O '63.

Trifonova, T. K. [Soviet Russian literature of the 30's] Russkaia sovetskaia literatura tridtsatykh godov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 160 p.

Zerchaninov, A. A., and D. IA. Raikhin. [Russian literature] Russkaia literatura. Kiev, Radians'ka shkola, 1963. 343 p.

RUSSIAN LITERATURE—PERIODICALS

Finskii vestnik," an ideological companion of "Sovremennik" in the campaign for the "natural school"; the first half of 1847. V. M. Morozov. Uch. zap. Petrozav. gos. un. 7 no. 1:131-151 '58.

RUSSIAN LITERATURE—STUDY AND TEACHING

Medvedev, V. P. [Studying epic poetry in school] Izuchenie epicheskogo proizvedeniia v shkole; iz opyta. Moskva, Uchpedgiz, 1963. 87 p. (Iz opyta uchitelia)

RUSSIAN NEWSPAPERS
(see also subdivision under Kazakhstan; Pechora County; Uzbekistan)

Glimpse at the world. Ukraina no. 9:7-8 My '62.

Holiday of the communist press. D. Zaslavskii. Zvezda no. 5:137-144 My '62.

Who was the author of the article "On the characteristics of Siberia" published in "Kolokol" in 1860? A. G. Grumm-Grzhimailo. Izv. Vses. geog. ob-va 95 no. 5: 455-459 S-O '63.

Youthfulness of "Pravda." R. Fedorov. Zvezda nō. 5: 144-149 My '62.

RUSSIAN NEWSPAPERS—INDEXES

[Chronicle of newspaper articles] Let. gazet. st. no. 11 '63. Vspomogatel'nye ukazateli k nos. 7-9 za 1963 god.

RUSSIAN PERIODICALS

Mironova, I. A. [Discussion of the peasant problem in Russian periodicals on the eve of the Reform of 1861, methods of the critical evaluation of the periodical press] Krest'ianskii vopros v periodicheskoi pechati vo vremia podgotovki reformy 1861 g., metodika analiza periodicheskoi pechati. Lektsiia po istochnikovedeniiu istorii SSSR dlia studentov MGIAI. Otv. red. M. N. Chernomorskii. Moskva, Mosk. gos. istoriko-arkhivnyi in-t, 1963. 45 p.

"We should go into the facts of ideological life more thoroughly." Kommunist 40 no. 16:127-128 N '63.

RUSSIAN PERIODICALS—INDEXES

[Chronicle of periodical articles] Let. zhur. st. nos. 44-49 '63. Vspomogatel'nye ukazateli k nos. 27-39 za 1963 g.

RUSSIAN PLAIN see East European Plain

RUSSIAN PLATFORM—GEOLOGY, STRUCTURAL

Linear negative structures in the northeastern part of the Russian Platform. R. N. Valeev. Dokl. AN SSSR 153 no. 2:416-419 N '63.

Structure of the surface of crystalline basement in the northwestern part of the Russian Platform in the light of new geophysical data. V. D. Kireichev. Sov. geol. 6 no. 12:142-145 D '63.

RUSSIAN PLATFORM—ROCKS, CRYSTALLINE AND METAMORPHIC

Results of the petrographic study of the crystalline basement in the Russian Platform. M. M. Veselovskaia. Izv. AN SSSR. Ser. geol. 28 no. 7:32-53 Jl '63.

RUSSIAN POETRY—HISTORY AND CRITICISM
(see also subdivision under United States)

Dement'ev, V. V. [Poets born of the land; literary criticism] Poety ot zemli; literaturno-kriticheskie ocherki. Moskva, Sovetskaia Rossiia, 1963. 222 p. (Literaturnaia Rossiia)

More independence! A. Pavlovskii. Vop. lit. 7 no. 10: 218-219 O '63.

Papernyi, Z. S. [The most difficult; articles, reviews, feuilletons] Samoe trudnoe; stat'i, retsenzii, fel'etony. Moskva, Sovetskii pisatel', 1963. 463 p.

RUSSIAN POETRY—STUDY AND TEACHING

Doletskaia, L. I. [Soviet poetry in school] Sovetskaia poeziia v shkole. Pod red. E. G. Savchenko. Moskva, Izd-vo APN RSFSR, 1963. 63 p.

Poetry "in plan" and "in aspect"... L. Frizman. Vop. lit. 7 no. 10, 222-223 O '63.

RUSSIAN SATELLITES see Communist Countries

RUSSIAN SOCIAL DEMOCRATIC PARTY
(see also subdivision under Alma-Ata, Georgia, Moscow; Ural Mountain region)

Activities of the Military Organization of the Central Committee of the Russian Social-Democratic Workers' Party (Bolshevik) on the eve of the armed October revolt. E. Erykalov. Voen.-ist. zhur. 5 no. 11 18-31 N '63.

At the beginnings of the Russian Social Democratic Party. V. Shapko. Mol. kommunist. no. 9 106-108 S '63.

The Bolshevik Party in the Revolution of 1905-1907. G. Alfeeva. Kommunist. Ukr. 36 no. 11:80-73 N '62.

Chronicle of battle and victories. A. Iudenkov Sov. voin 15 no. 14.3 Jl '63.

Kruglova, A. I. [Unforgettable events; reminiscences] Nezabyvaemoe, vospominania. [Leningrad] Lenizdat, 1963. 143 p.

Misleading comments of a West German "expert in Soviet affairs." A. K. Ekshtein. Vop. ist. 38 no. 12: 158-160 D '63.

Murashov, S. I., ed. [The Bolshevik Party during the years of the First World War, overthrow of the monarchy in Russia] Partiia bol'shevikov v gody Pervoi Mirovoi voiny, sverzhenie monarkhii v Rossii. [By] V. V. Antonova i dr. Moskva, Gospolitizdat, 1963. 262 p.

On the occasion of the 60th anniversary of the Second Congress of the Russian Social Democratic Party. I. N. Muzalev. Prep. ist. v shkole 18 no. 6:83-84 N-D '63.

The 60th anniversary of the Second Congress of the Russian Social Democratic Party. Part. zhizn' [Uzb.] 6 no. 6:9-13 Je '63.

Zashkil'niak, A. S. [The Bolshevik effort to strengthen the local party organizations, 1904-1905] Bor'ba bol'shevikov za ukreplenie mestnykh partiinykh organizatsii, 1904-1905 gg. [L'vov] Izd-vo L'vovskogo univ., 1963. 217 p.

RUSSIAN SOCIAL DEMOCRATIC PARTY—CONGRESSES

Delegate to the Second Congress. Gennadii Fish. Znamia 33 no. 7:169-188 Jl '63.

RUSSIAN STUDIES see subdivision under France, Germany, West; United States

RUSSO-TURKISH WAR

Some remarks on a Turkish historian's study of the campaign of 1711 in the Prut Valley. IA. E. Vodarskii. Ist. SSSR 7 no. 6:207-212 N-D '63.

RUSSO-TURKISH WAR, 1828-1829—AZERBAIJANI PARTICIPATION

Military cooperation of Russian and Azerbaijani soldiers in the Russo-Turkish War of 1828-1829. Ibragimbeili Khadzhi Murat. Voen.-ist. zhur. 5 no. 10:116-121 O '63.

RUTHENIA see Transcarpathia

RUTILE CRYSTALS

Anisotropy of the Hall effect in partially reduced single-crystal rutile (TiO_2). V. N. Bogomolov, V. P. Zhuze. Fiz. tver. tela 5 no. 11:3285-3290 N '63.

RYAZAN—AGRICULTURAL MACHINERY INDUSTRY—HYGIENIC ASPECTS

Some problems of industrial traumatism at the Ryazan Agricultural Machinery Plant. I. IA. Kupov. Trudy Vor. med. inst. 47:106-107 '62.

RYAZAN PROVINCE—DISTILLING INDUSTRIES—BY-PRODUCTS

Utilize the by-products of alcohol production more efficiently. M. Gainetdinov. Ekon. sel'khoz. 32 no. 7:113-115 Jl '61.

RYAZAN PROVINCE—FEEDING

Potential of cattle fattening state farms. M. F. Gainetdinov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:50-51 O '63.

RYBAK, SERGEI SERGEEVICH

Path to the heart. N. Radchenko. Sov. voin. 45 no. 22: 6-7 N '63.

RYBCHENKOV, BORIS FEDOROVICH, 1899-

Smolensk. Oblastnoi kraevedcheskii muzei. Kartinnaia galereia. [Exhibition of the works of the artist Boris Fedorovich Rybchenkov; paintings, water colors, and drawings] Vystavka proizvedenii khudozhnika Borisa Fedorovicha Rybchenkova; zhivopis', akvarel', risunok. Smolensk, 1961. 14 p. 10 plates. (MH)

RYBINSK—LABOR AND LABORING CLASSES—EDUCATION

Our experience in the propaganda of economic knowledge. G. Vilkov. Polit. samoobr. 7 no. 8:77-79 Ag '63.

RYBINSK RESERVOIR REGION—BIOLOGICAL RESEARCH

The research station of "Borok." Volog. krai no. 3:184 '62.

RYE—ANALYSIS

Biochemical characteristics of some rye varieties. V. F. Golenkov, E. S. Tolchinskaia, T. L. Zhil'tsova Trudy VNIIZ no. 44 45-55 '63

RYE—FERTILIZERS AND MANURES

Change of the forms of potassium in turf-Podzolic soil in connection with prolonged use of fertilizers under winter rye and potatoes A. V. Peterburgskii, F. V. IAnishevskii. Dokl. TSKHA no. 47 13-19 '59

RYE—STORAGE

Caking and changing of the flavor of dry wheat and rye during storage. V. V. Makarov, A. P. Prokhorova. Trudy VNIIZ no. 43 95-116 '63.

SABAKIN, LEV FEDOROVICH, 1746-1813

Zagorskii, F. N. [L. F. Sabakin, mechanic of the 18th century, a sketch of his life and work] L. F. Sabakin — mekhanik XVIII veka, ocherk zhizni i deiatel'nosti. Moskva, Izd-vo Akad. nauk SSSR, 1963. 86 p. (Nauchno-biograficheskaia seriia)

SABLES see subdivision under Sverdlovsk Province

SACCHARIFICATION

Method for rapid determining of the rate of saccharification of starches. A. N. Shul'ga. Izv. vys. ucheb. zav., pishch. tekh. no. 5.158-159 '63.

SADOKOV, KONSTANTIN ALEKSANDROVICH, ca. 1892-

Pathfinder of the native region. N. Avdoshenko. Volog. krai no. 3:235-236 '62.

SAILBOATS

Catamarans with sails. S. A. Kalinin. Sudostroenie 29 no. 11:78 N '63.

SAILBOATS—SPEED

Calculating the propulsive speed of a sail catamaran. IU. S. Kriuchkov. Sudostroenie 29 no. 10:41-45 O '63.

SAILING see subdivision under Arctic regions

SAILORS (NAVY)

Communist Youth League radio hour. B. Osykov. Sov. voin 45 no. 12:44 Je '63.

In the silence of the night.... L. Firsov. Sov. voin 46 no. 14 40 Jl '63.

SAILORS (NAVY)—EDUCATION AND TRAINING

Nadvornyi, V. P., and A. I. Kraev. [Look for paths leading to the heart...; from the practice of the political party work on the trawler "Saltykov-Shchedrin"] Iskat' tropinki, vedushchie k serdtsu... iz opyta partiino-politicheskoi raboty na tralere "Saltykov-Shchedrin." [Murmansk] Murmanskoe knizhnoe izd-vo, 1962. 43 p.

SAINT-EXUPERY, ANTOINE de, 1900-1944

Second vocation of Saint-Ex. Tekh. mol. 31 no. 11:12-14 '63.

SAKI (CRIMEA)—HEALTH RESORTS, WATERING PLACES, ETC.

Brusylova'kyi, I. A. [Female sterility and its treatment in the Saki mud bath resort] Bezplidnist' zhinok i ii likuvannia na Saka'komu hrinz'ovomu kurorti. Kyiv, Derzhmedvydav URSR, 1963. 28 p.

SAKSAUL see subdivision under Dzhambul Province

SALADS

Decoration of salads. IA. Magidov. Obshchestv. pit. no. 6:16-18 Je '63.

SALAN, RAOUL ALBIN LOUIS, 1899-

Nikanorov, A. V. [The ax that didn't fall] Nezatianuvshaiasia petlia. Moskva, Izd-vo "Znanie," 1963. 106 p.

SALAVAT—CHEMICAL INDUSTRIES

Dominators of the sorceress. M. Gafurov. Mol. komm. no. 9:12-17 S '63.

SALEKHARD—IONOSPHERIC RESEARCH

Akademiia nauk SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. Salekhard. Moskva. (Its: Materialy ionosfernykh issledovanii) Nov.-Dec. 1958. 1960. 57 p.

SALINE AND ALKALI SOILS

Salt loss from chloride-salinized soils during leaching [with summary in English]. P. S. Panin. Pochvovedenie no. 11:86-96 N '63.

SALMONELLA

Adaptation of local strains of paratyphoid B and Breslau bacilli to levomycetin and streptomycin under different conditions of culture. E. G. Livkina, O. V. Gorokhova. Trudy Khab. med. inst. 23 no. 2:75-79 '62.

Formation of streptomycin-resistant variants of Gärtner's bacillus in the organism of an animal [with summary in English]. L. G. Kuz'mina. Antibiotiki 7 no. 10:902-906 O '62.

SALT
(see also subdivision under Baku Archipelago)

Higher yields of crystalline glucose during the degradation of a double compound of glucose and sodium chloride [with summary in English on p. 165]. N. V. Lebedev, A. A. Bannikova. Shor. trud. NIIGS 11:58-65 '63.

SALT DEPOSITS see subdivision under Erivan region

SALT DOMES

Kityk, V. I. [Conditions governing the formation of salt dome structures] Uslovila obrazovaniia solianykh struktur. Kiev, Izd-vo Akad. nauk USSR, 1963. 291 p.

SALT IN THE BODY

Ginetsinskii, A. G. [Physiological mechanisms of water and salt balance] Fiziologicheskie mekhanizmy vodno-solevogo ravnovesiia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 426 p.

Water and salt metabolism in thermal dehydration [with summary in English]. L. Gets. Gig. truda i prof. zab. 7 no. 1 36-41 Ja '63.

Water-salt metabolism [with summary in English]. S. IA. Shteinberg. Vrach delo no. 11 3-8 N '63.

SALT INDUSTRY

Automatic control of the dissolving of salt. V. A. Vulikhman. Avtom. i priib. no. 4:13-14 O-D '63.

SAMARKAND—EDUCATION, HIGHER

Educate active fighters for communism. A. Umarov Part. zhizn' [Uzb.] 6 no. 6:22-26 Je '63.

SAMARKAND DISTRICT—TRUCK FARMING

More vegetables and potatoes! IU. Ulidoshev. Part. zhizn' [Uzb.] 6 no. 6:74-77 Je '63.

SAMARKAND PROVINCE—AGRICULTURAL WORKERS

Always with the party. P. Khamidov. Part. zhizn' [Uzb.] 6 no. 6:45-48 Je '63.

SAMARKAND PROVINCE—MINERS—EDUCATION AND TRAINING

Propaganda at the machine. D. Mirfaiazov, A. Petrochenko. Komsom. zhizn' no. 19:13-15 O '63.

SAMOILOVICH, GEORGII GEORGIEVICH, 1903-

Georgii Georgievich Samoilovich, on his 60th birthday. D. D. Kvasov, D. M. Kitaev. Izv. Vses. geog. ob-va 95 no. 5:467-468 S-O 63.

SAMUR VALLEY—PEBBLES

New data on the structure of pebble formations in the Samur-Kusarchay interfluve. L. I. Andreev and others. *Sov. geol. 8 no. 12:123-129 D '63.*

SANATORIUMS

Gol'dfail', L. G., ed. [Manual for physicians on the selection of sanatoriums and health resorts] Rukovodstvo dlia vrachei po sanatorno-kurortnomu otboru. Pri uchastii R. F. Akulovoi i dr. 2. izd., dop. i ispr. Moskva, Medgiz, 1963. 511 p. (DNLM)

SAND

Thermal activation of fine-grained dustlike sand. D. D. Dzhigiris. Izv. AN Turk. SSR, Ser. fiz.-tekh., khim. i geol. nauk no. 1:57-65 '62.

SAND, FOUNDRY

Automation of the preparation of molding sand in milling machines. N. T. Zharov and others. Mashinostroenie no. 6:27-31 N-D '63.

In connection with B. B. Knorre and A. D. Petrov's article "Standard type of centralized enterprise on the production and treatment of molding materials." I. A. Vygodskii. Lit. proizv. no. 10 47 O '63.

Molding materials for precision casting. K. M. Tkachenko, V. D. Rovnova. Lit. proizv. no. 10:1-3 O '63.

SAND, FOUNDRY—ADDITIVES

Introduction of a rapid drying SM-1 binder. S. M. Kanevskaia and others. Lit. proizv. no. 10.5-6 O '63.

SAND, FOUNDRY—DRYING

Centralized feed of carbon dioxide and air mixtures. I. M. Plekhov, V. F. Ustinov, A. L. Gulovich. Lit. proizv. no. 10.19-20 O '63.

SAND DUNES see subdivision under Polesye

SANDFLIES AS CARRIERS OF DISEASE see subdivision under Serakhs region

SANDWICH CONSTRUCTION

Area of the application of approximate theories of sandwich plates with nonsymmetric structure and a filler. Kh. M. Mushtari. Izv. AN SSSR. Mekh. i mashinostr. no. 5:176-178 S-O '63.

Stability and large flexures of elongated shallow cylindrical sandwich panels with a light filler in case of uniformly distributed lateral load. V. F. Karavanov. Rasch. na prochn. no. 9:280-301 '63.

SANDY SOILS see subdivision under Moscow; Tuva A.S.S.R.

SANITATION see subdivision under Ukraine

SANITATION, HOUSEHOLD

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat.
Pt. 2. Sec. G, ch. 1. [Specifications for the design of inside water piping in apartment and public buildings] Vnutrenniĭ vodoprovod zhilykh i obshchestvennykh zdaniĭ, normy proektirovaniia (SNiP II-G. 1-62). 1962. 10 p.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Plastic bottle syphons with outlets for wash stands; Inter-Republic specifications (MRTU 7-7-62)] Sifony butylochnye (s vypuskom) iz plastmass dlia umyval'nikov; mezhrespublikanskie tekhnicheskie usloviia (MRTU 7-7-62). Moskva, Gosstroiizdat, 1962. 7 p.

SANITATION, HOUSEHOLD—COSTS

Russia (1917- R.S.F.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Standard industrial calculation for the installation of sanitation systems in apartment houses of the 1-464 series] Tipovye proizvodstvennye kal'kuliatsii na montazh sanitarno-tekhnicheskikh sistem v zhilykh domakh serii 1-464. Moskva, Gosstroiizdat, 1963. 21 p.

SANYAL, BAKESH CHANDRA, 1904-

Sanyal's truthful brush. Man So Nei. Az. i Afr. segodnia, 12:44-45 D '63.

SARAGAT, GIUSEPPE, 1898-

Aldo Moro, Giuseppe Saragat. Nov. vrem. 21 no. 50: 22 D '63.

SARANSK—RECRUITING AND ENLISTMENT

The city gives orders. N. Makarinov. Komsom. zhizn', no. 22:31-32 N '63.

SARATOV—CHEMICAL INDUSTRIES—HYGIENE ASPECTS

Dispensary observation of workers employed in plants producing synthetic ethyl alcohol [with summary in English]. T.G. Polinkov. Klin. med. 40 no. 11:106-110 N '62.

SARATOV—DWELLINGS—HYGIENIC ASPECTS

Sanitary and hygienic evaluation of the planning and improvement of new dwellings built in the workers' settlements of the city of Saratov. L.M. Fedorova. Trudy Ver. med. inst. 47:66-68 '62.

SARATOV—METALWORKERS

The worker's station is a state post! V. Tiugin. Sov. profsoiuzy 10 no. 18:2-5 S '63.

SARATOV PROVINCE—AIR, IONIZED

Some data on the ionization of air at the Choremshany Health Resort in Saratov Province. L.I. Los'. Trudy Ver. med. inst. 47.59-64 '62.

SARATOV PROVINCE—MACHINERY INDUSTRY—QUALITY CONTROL

Work practice of party organizations in Saratov Province machinery plants in improving the quality of output. Part. zhizn' no. 23:24-28 D '63.

SARGATSKOYE REGION—GEOLOGY

Geology and hydrogeological characteristics of the Sargatskoye area. K.A. Shpil'man. Mat. po geol. Zap.-Sib. min. no. 3:3-130 '62.

SARKISIAN, ARA MIGHANOVICH, 1902-

Sculptures by Ara Sarkisian. V. Tikhanova. Iskusstvo 26 no. 7:37-42 '63.

SARMATIANS

Genesis of Sarmatian bronze mirrors. A.M. Khazanov. Sov. arkheol. 7 no. 4:58-71 '63.

The Scythian and Sarmatian Archaeology Section in 1961. M.G. Moshkova. Krat. soob. inst. arkheol. no. 94:107-110 '63.

SARYARKA—PASTURES AND MEADOWS

Method of efficient utilization of low-yielding water-bearing beds in the desert as exemplified by the pastures in Bet-Pak-Dala and the desert of Sary-Arka. F.G. Gerr. Vest. sel'khoz. nauki [Kazakh.] 6 no. 8: 69-74 S '63.

SASOVO (RYAZAN PROVINCE)—DESCRIPTION

Malinov, A.R. Sasovo. [Riazan'] Riazanskoe knizhnoe izd-vo, 1963. 38 p.

SASOVO (RYAZAN PROVINCE)—HISTORY

Malinov, A.R. Sasovo. [Riazan'] Riazanskoe knizhnoe izd-vo, 1963. 38 p.

SATELLITES, ARTIFICIAL see Artificial satellites

SAWFLIES see subdivision under White Russia

SAWMILLS

Obraztsov, S.A., and others. [Handbook for the technologist in sawmilling] Spravochnik tekhnologa po lesopileniiu. Moskva, Goslesbumizdat, 1963. 473 p.

SAWS

Lapin, P.I., N.E. Kondratovich, and Iu.I. Iur'ev. [Design and use of modern frame saws] Konstruktsii i ekspluatatsiia sovremennykh lesopil'nykh ram. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1962. 82 p.

SAWS—COLD WEATHER OPERATION

Elementary sawing of pine wood in transverse direction at temperatures below freezing. V.N. Kuritsyn. Trudy STI no. 32,120-127 '62

Experimental unit for studying elementary lumber sawing at temperatures below freezing. V.N. Kuritsyn. Trudy STI no. 32:3-11 '62.

SAYAN MOUNTAINS—GEOLOGY, STRATIGRAPHIC

Carboniferous of the Sayan-Altai mountain system. R.N. Benediktova. Trudy SNIIGGIMS no. 21 9-45 '62.

Current state of stratigraphic studies of the Permian in the Sayan-Altai area. L.L. Khalfin. Trudy SNIIGGIMS no. 21:361-362 '62.

Current state of the stratigraphic studies of the Carboniferous in the Sayan-Altai area. L.L. Khalfin. Trudy SNIIGGIMS no. 21:7-9 '62.

Permian sediments of the Sayan-Altai mountain area. O.A. Betekhtina. Trudy SNIIGGIMS no. 21:362-378 '62.

SAYAN MOUNTAINS—PALEOBOTANY, STRATIGRAPHIC

Studies of the development of the Upper Paleozoic flora in the Sayan-Altai area. A.R. Anan'ev, S.V. Sukhov. Trudy SNIIGGIMS no. 21.76-94 '62.

SAYAN MOUNTAINS—PALEONTOLOGY, STRATIGRAPHIC

General paleontologic characteristics of the Carboniferous in the Sayan-Altai area. R.N. Benediktova. Trudy SNIIGGIMS no. 21:53-55 '62.

SAYAN MOUNTAINS—PALYNOLOGY

Carboniferous spore-pollen complexes. L.L. Driagina, A.A. Kurbatova. Trudy SNIIGGIMS no. 21:94-99 '62.

SAYAN MOUNTAINS—POLYZOA, FOSSIL

Carboniferous Polyzoa. V.B. Trizna. Trudy SNIIGGIMS no. 21:55-61 '62.

SCALES (WEIGHING INSTRUMENTS)

Automatic photoelectronic scales. G.I. Sapunov, V.V. Somik, L.F. Roiak. Ogneupory 28 no. 11.495-497 '63.

Methods for reducing the dynamic error of tensometric scales. L.M. Nagornyi and others. Izm. tekh. no. 12:15-17 D '63.

SCANDINAVIA—EARTHQUAKES

Connection of Scandinavian earthquakes with negative relief forms. S.L. Solov'ev. Izv. AN SSSR. Ser. geog. no. 6:112-115 N-D '63.

SCANDINAVIA—INFORMATION SERVICES

Cooperation of the Scandinavian countries in the field of scientific and technological information. A. Sverdrup. NTI no. 9.46-48 '63.

SCANDINAVIA—LANDFORMS

Connection of Scandinavian earthquakes with negative relief forms. S.L. Solov'ev. Izv. AN SSSR. Ser. geog. no. 6:112-115 N-D '63.

SCANDINAVIAN STUDIES

Problems of Scandinavian history discussed at a conference in Tartu. Kh.I. Mosberg. Vop. ist. 38 no. 11: 146-148 N '63.

SCAPULA—WOUNDS AND INJURIES

Two cases of avulsion of the upper extremity together with the scapula. A.T. Staroverov, N.V. Chernyshev. Vest. khir. 91 no. 7:76-77 Jl '63.

SCATTERING (PHYSICS)

Interrelationship of elastic and inelastic scattering cross sections in nonadiabatic atomic collisions. M.A. Kozhushner, Iu.S. Saiasov. Opt. i spektr. 15 no. 5:577-581 N '63.

Multichannel scattering. A.L. Chistiakov. Usp. mat. nauk. 18 no. 5:201-208 S-O '63.

SCHIZOPHRENIA

Antistaphylococcal immunity in schizophrenia [with summary in English]. Iu.A. Il'inskii. Vrach. delo no. 11:79-82 N '63.

Paranoid schizophrenia and its treatment. V.G. Levit. Fel'd. i akush. 28 no. 11:30-34 N '63.

Peculiarities of sets fixated in verbal situations in schizophrenia. E.A. Vachnadze. Eksp. issl. po psikhol. ust. 2:351-356 '63.

SCHOOL ACCIDENTS see subdivision under Kharkov

SCHOOL EXCURSIONS see subdivision under Kirov Province

SCHOOL MUSIC—INSTRUCTION AND STUDY (see also subdivision under Tallinn)

Shatskaia, V.N. [Music in schools] Muzyka v shkole. Moskva, Izd-vo APN RSFSR.
Book 2. 1963. 164 p. (Pedagogicheskaia biblioteka uchitelia)

SCHOOL SUPERINTENDENTS AND PRINCIPALS

Fifth director P. Saklakov Nar. obr. no. 12 93-94 D '63.

Three concerns of the assistant principal. P. Glagolev. Nar. obr. no. 9 50-57 S '63.

SCHOOL SUPERVISION
(see also subdivision under Bataysk, Lebedyan' District, Lugansk Province, Syzran' District)

For the notebook of the principal and the head of the teaching department. Nar. obr. no 12 90-91 D '63.

Our pedagogical collective. V. Sukhomlinskii Nar. obr. no. 9:34-42 S '63.

SCHOOLCHILDREN

Improving the analyser functions in schoolchildren by different methods and forms of acrobatic training. M.V. Zhadkevich. Trudy Ver. med. inst. 47 115-117 '62.

Training and self-training of an adolescent A.I. Kochetov. Sov. pedag 27 no 11 42-47 N '63

SCHOOLCHILDREN—FOOD see subdivision under Kharkov, Leningrad

SCHOOLS—FURNITURE, EQUIPMENT, ETC.

On the problem of school desks. D. Leshchinskii. Nar. obr. no. 12:13-15 D '63

SCHOOLS AND LIBRARIES see Libraries and schools

SCIENCE

Year 1980, science. K. Russanov. Znan. sila 36 no. 10: 47-50 O '61.

SCIENCE—ADDRESSES, ESSAYS, LECTURES

Val'dgard, S.L. [How to deliver a popular lecture on natural science] Kak chitat' nauchno-populiarnye lektsii po estestvoznaniiu. [Moskva] Mosk. rabochii, 1963. 159 p.

SCIENCE—MISCELLANEA

Inventions, discoveries, and hypotheses. Sov. Soiuz no. 11:52 '63.

Paradoxes of Robert Kibernetchenko. Znan. ta pratsia no. 10:22 O '63.

Science and the riddles of the world. Anatolii Dneprov. Kul't. i zhizn' 7 no. 11:43-44 '63.

SCIENCE—PHILOSOPHY

Karpinskaia, R.S., and M.M. Abrashnev. [Why there should be a union of philosophy with natural sciences] Pochemu neobkhodim soiuz filosofii i estestvoznaniia. [Moskva] Izd-vo Mosk. univ., 1963. 37 p.

Methodological problems of natural and social sciences. Kommunist 40 no. 16:59-64 N '63.

Philosophical study groups. Iu. Ozhegov. Kommunist 40 no. 16:65-69 N '63.

Science and ideology. D. Troshyn. Nauka i zhyttia 13 no. 10:40-43 N '63.

Stepin, V.S. [Present-day positivism and the individual branches of science] Sovremennyi pozitivizm i chastnye nauki. Minsk, Izd-vo MVSS i PO BSSR, 1963. 58 p.

SCIENCE AND CIVILIZATION

Timiriazev, K.A. [Science and democracy, collected articles, 1904-1919] Nauka i demokratiia; sbornik statei, 1904-1919 gg. Moskva, Sotsekgiz, 1963. 497 p.

SCIENCE AND LITERATURE see Literature and science

SCIENCE CLUBS

Nationwide national research. G. Gurevich. Znan. sila 36 no. 10:46 O '61.

SCIENCE NEWS

Chemistry plus.... N. Mashin and others. Ogonek 41 no. 50:4-5 D '63.

SCIENTIFIC RECREATIONS

At night, after work.... Smena 40 no. 12:30-31 Je '63.

SCINTILLATION (PHYSICS)

Marvelous light. I. Semenov. Ukraina no. 9:28 My '62.

SCINTILLATION COUNTERS

Apparatus for determining small quantities of radioelements by the method of alpha-gamma coincidence selection. V.F. Mikhailov. Prib. i tekh. eksp. 8 no. 5:75-77 S-O '63.

Detection of heavy ions by scintillation counters. L.I. Pivovar, L.I. Nikolaichuk, A.I. Vlasenko. Prib. i tekh. eksp. 8 no. 5:70-72 S-O '63.

Gaseous scintillation counters. S.A. Baldin, V.V. Matveev. Prib. i tekh. eksp. 8 no. 4:5-18 Jl-Ag '63.

SCINTILLATION COUNTERS (Continued)

Manufacture of filamentary scintillators. V. G. Kokoulin. Prib. i tekh. eksp. 8 no. 4 183-185 Jl-Ag '63.

Metal vessels for liquid scintillation counters. A. A. Lliva, E. O. Ilves. Prib. i tekh. eksp 8 no. 5,215-216 S-O '63.

Polarographic determination of 1, 3, 5-triphenyl-Δ^2-pyrazoline in plastic scintillators [with summary in English]. G. G. Belous, V. D. Bezuglyi. Zhur. anal. khim. 18 no. 10·1250-1254 O '63.

Recording of two particles in a spark chamber. A. I. Babaev, V. S. Kaftanov. Prib. i tekh. eksp. 8 no. 4· 181-182 Jl-Ag '63.

Scintillators for beta-ray counting made on the basis of polystyrene. L. F. Zubareva, Liu Chzhun-ven' [Liu Chung-wên]. Prib. i tekh. eksp. 8 no. 5, 78-81 S-O '63.

Static memory system for an amplitude analyzer recording the information on a magnetic surface. A. P. TSitovich, IU. I. Zaitsev. Prib. i tekh. eksp. 8 no. 5, 82-89 S-O '63.

SCOWS

Self-propelled, seagoing mud scow. V. Kharitonov. Mor. flot 23 no. 11, 37-39 N '63.

SCRAP METAL INDUSTRY see subdivision under Karaganda Province

SCRAP METALS

Efficient use of waste products of the metalworking industry in powder metallurgy. N. Manukian. Prom. Arm. 6 no. 9:39-44 S '63.

Mylko, S. N., and others. [Uses for scrap metal] Ispol'zovanie metallicheskoi struzhki. Kiev, Gostekhizdat USSR, 1963. 142 p.

SCREENS (MINING)—TESTING

Industrial testing of the GRK-8A resonance screen. O. M. Militutin, N. P. Bobylev. Koks i khim. no. 11:21-23 '63.

SCREW CUTTING

Machining threaded parts on lathes. V. I. Zagurskii. Mashinostroitel' no. 10:31 O '63.

Screw thread cutting in tool joints. A. M. Musaelliants. Za tekh. prog. 3 no. 10·24-28 O '63.

SCREW-CUTTING MACHINES

Principles for improving the design of screw-cutting lathes. V. Adzhemian. Prom. Arm. 6 no. 9 20-24 S '63.

SCREWDRIVERS

Electric wood-screw driver with automatic screw feed. Mashinostroenie no. 6·113 N-D '63.

SCRUBBER (CHEMICAL TECHNOLOGY)

Device for the removal of harmful wastes in the production of "oksol" drying oil. G. K. Premet and others. *Masl.-zhir. prom. 29 no. 10,30-33 O '63.*

SCULPTURE, UKRAINIAN

Nimenko, A. V. [Ukrainian sculpture of the second half of the 19th and beginning of the 20th century] Ukrains'ka skul'ptura druhoi polovyny XIX -pochatku XX st. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 125 p. *Illus.*

SCYTHIAN ANTIQUITIES

Ironworking technique in the forested steppe and steppe Scythia. B. A. Shramko, L. A. Solntsev, L. D. Fomin. Sov. arkheol. 7 no. 4:36-57 '63.

SCYTHIANS

Origin of the royal Scyths according to archaeological data. L. S. Klein. Sov. arkheol. 7 no. 4:27-35 '63.

The Scythian and Sarmatian Archaeology Section in 1961. M. G. Moshkova. Krat. soob. Inst. arkheol. no. 94:107-110 '63.

SEA SERPENT see subdivision under Ness, Loch

SEA SNAILS (FISH) see subdivision under Barents Sea

SEAFARING LIFE

Bessmertnyi, E. D. [The years of my life; notes of an old seaman] Gody zhizni; zapiski starogo moriaka. Vladivostok, Primorskoe knizhnoe izd-vo, 1963. 229 p.

Newspaper and the sea. V. Krivosheev. Smena 40 no. 17:24 S '63.

SEALING see subdivision under Atlantic Ocean

SEALING (TECHNOLOGY)

Using mastics for the sealing of joints in steam turbine cylinders. A. A. Matavin. Sudostroenie 29 no. 11:58-59 N '63.

SEALS (ANIMALS)

Marked seals. L. A. Popov. Priroda 52 no. 10·105-106 '63.

SEASICKNESS

Investigating the excitability of the human visual analyzer during rolling at sea [with summary in English]. B. A. Funtikov. Vest. LGU 18 no. 21:171-174 '63.

SEBACEOUS GLANDS—TUMORS

Skin disorders in Pringle-Bourneville disease [with summary in English]. L. P. TSirkunov. Vest. derm. i ven. 37 no. 7:48-52 Jl '63.

SECHENOV, IVAN MIKHAILOVICH, 1829-1905

Hundredth anniversary of "Brain reflexes." M. Rostov. *Ogonek 41 no. 50,6 D '63*

SECONDARY EDUCATION see Education, Secondary

SECONDARY ELECTRON EMISSION

Distribution of energy losses of an electron beam along the depth in copper and aluminum. A. R. Shul'man, I. R. Kamicheva, B. F. Barzdo. Fiz. tver. tela 5 no. 11 3344-3346 N '63.

Nature of the secondary emission generated during the bombardment with alkali ions of films of alkali elements on metals. U. A. Arifov, A. Kh. Alukhanov. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk no. 6:34-39 '61.

SECRET POLICE see subdivision under Ukraine

SECTS

Suitcase with a double bottom. Alla Trubnikova. Ogonek 41 no. 46:30-31 N '63.

[We broke away from religion; stories of former believers] My porvali s religiei; rasskazy byvshikh veruiushchikh. Izd. 2., ispr. i dop. Moskva, Voenizdat, 1963. 506 p. (Nauchno-populiarnaia biblioteka)

SEDIAKIN, ALEKSANDR IGNAT'EVICH, 1893-

Army Commander Second Rank. A. I. Sediakin. M. Baklach and others. Voen.-ist. zhur. 5 no. 11:123-126 N '63.

SEDIMENTARY ROCKS see Rocks, Sedimentary

SEDIMENTATION AND DEPOSITION

Possibility of benthonic sedimentation of rosin resulting from the discharge of waste water from the production of synthetic rubber into a reservoir. V. A. Ivanov, N. M. Stepanova. Trudy Vor. med. inst. 47·19-22 '62.

SEDIMENTS (GEOLOGY)
(see also subdivision under Aldan Plateau)

Akademiia nauk SSSR. Komissiia po osadochnym porodam pri otdelenii geologo-geograficheskikh nauk. [Deltaic and shallow-water marine sediments] Del'tovye i melkovodno-morskie otlozheniia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 262 p.

SEECT, HANS VON, 1866-1936

General Seect's action against the disarmament of Germany in 1919. F. A. Kubitskii. Vop. ist. 38 no. 11: 193-194 N '63.

SEED PRODUCTION
(see also subdivision under Buzuluk region, Orenburg Province)

Gorin, A. P., ed. [Manual on field work in the breeding and seed production of field crops] Rukovodstvo k prakticheskim zaniatiiam po selektsii i semenovodstvu polevykh kul'tur. [By] A. P. Gorin i dr. Moskva, Sel'khozizdat, 1963. 574 p.
(DNAL)

Machines for harvesting sugar beet seed plants. S. Bogachev. Tekh. v sel'khoz. 23 no. 10;43-46 O '63.

Machines for work in the production of sugar beet seeds. M. Samoilov, G. Akimenko. Tekh. v sel'khoz. 23 no. 9:14-21 S '63.

Phasic development and seed productivity of vegetable plants [with summaries in English, German, and French]. A. S. Kruzhilin, Z. M. Shvedskaia. Vest. sel'khoz. nauki 8 no. 6.18-29 Je '63.

Some problems in forest seed production. S. K. Averkiev. Les. khoz. 16 no. 9:28-31 S '63.

SEEDS—CLEANING

Separating ergot from rye on the SSP-1, 5 sorting table. M. V. Krechetova. Sbor. rab. GOSNITI no. 16:1-7 ['61].

SEEDS—DISINFECTION

Effect of some physical factors on the pathogens of bacterioses in soybean seeds [with summary in English]. M. V. Krasnova. Mikrobiol. zhur. 5 no. 5:50-52 '63.

SEEDS—DRYING

Studying the quality of seeds in an artificial climate chamber. V. I. Aniskin. Sbor. rab. GOSNITI no. 16:8-13 ['61].

SEGHERS, ANNA, pseud. see Radvanyi, Netty (Reiling), 1900

SEICHES

[Seiches on the lakes of the U. S. S. R.] Seishi na ozerakh SSSR. [By] N. M. Arsen'eva i dr. [Leningrad], Izd-vo Leningr. univ., 1963. 182 p.

SEIGNETTOELECTRIC SUBSTANCES see Ferroelectric substances

SEISMIC PROSPECTING

Dynamic characteristics of seismic waves in the presence of faults (data gathered by seismic model study). Ten TSzi-ven' [T'êng Chi-wen]. Izv. AN SSSR, Ser. geofiz. no. 11;1631-1643 N '63.

Grouping of seismic receivers at large stations. IU. V. Timoshin. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 12:9-14 '61.

SEISMIC WAVES

Data on phase and group velocities of surface seismic waves. V. B. Glasko, E. F. Savarenskii, B. N. Shechkov. Izv. AN SSSR, Ser. geofiz. no. 10:1486-1493 O '63.

Dependence of the energy flux of Love waves on the period and depth. E. F. Savarenskii. Izv. AN SSSR, Ser. geofiz. no. 11;1641-1648 N '63.

Dynamic characteristics of seismic waves in the presence of faults (data gathered by seismic model study). Ten TSzi-ven' [T'êng Chi-wen]. Izv. AN SSSR, Ser. geofiz. no. 11;1631-1643 N '63.

Physical nature of certain waves recorded in hodographic seismic sounding. Part 1. A. S. Alekseev and others. Izv. AN SSSR, Ser. geofiz. no. 11;1620-1630 N '63.

Propagation of Love surface waves in the earth's crust in the case of periodic roughness of the diurnal boundary and the crust-mantle interface. G. G. Chukhov. Izv. AN SSSR, Ser. geofiz. no. 11;1649-1657 N '63.

Reduction of errors in determining velocities from hodographs of reflected waves. A. K. Urupov. Izv. AN SSSR, Ser. geofiz. no. 10;1508-1521 O '63.

Use of two-dimensional models in studying front waves from strata of varying thickness. P. G. Gil'bershtein, I. I. Gurvich. Izv. AN SSSR, Ser. geofiz. no. 11;1005-1619 N '63.

SEISMOLOGY
(see also subdivision under Armenia; Transcaucasia)

Features of the attenuation of the energy from the surface focuses of earthquakes. E. M. Demikhovskaia, V. P. Kusnetsov. Dokl. AN Azerb. SSR 19 no. 4:37-42 '63.

Supposed seismicity of the earth and the zone south of 40° S in the period of the International Year of Quiet Sun. A. D. Sytinskii. Inform. biul. Sov. antark. eksp. no. 42,33-35 '63.

SEISMOLOGY—OBSERVATIONS

Characteristics of the seismoacoustic processes accompanying sudden ejections of coal and gas during well boring. A. G. Konstantinova, L. G. Mysina, V. S. Ivanov. Izv. AN SSSR, Ser. geofiz. no. 11;1676-1683 N '63.

SEISMOMETRY

Using the curve transformation method for frequency analysis of high-frequency pulses based on the investigation of models. P. Z. Mamedov, S. B. Akhundova. Za tekh. prog. 3 no. 7:6-8 Jl '63.

SELENGA DELTA—FIELD MICE

Feeding habits of the Oriental Vole Microtus maximowiczii Sch. in the Selenga Delta [with summary in English]. IU. G. Shvetsov. Zool. zhur. 42 no. 9;1420-1423 '63

SELENGA VALLEY—NATURAL RESOURCES

Fadeeva, N. V. [Central mountains of the Selenga Basin; natural conditions and regionalization] Selenginskoe srednegor'e; prirodnye usloviia i raionirovanie. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1963. 160 p.

SELENITES

Reduction of selenite ion and tellurite ion by zinc amalgam. V. P. Gladyshev, M. T. Kozlovskii. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:724-728 '63.

SELENIUM

Recovery of selenium from strong acids of contact acid section of the Konstantinovka chemical plant. V. I. Bagaev, F. R. Mikhailovskaia, L. V. Timofeeva. Sbor. mat. po obm. opyt. NIUIF no. 12:62-67 '59.

SELENIUM—PHOTOELECTRIC PROPERTIES

Photoelectric characteristics of selenium layers during recording from electron beam tubes (with summary in English on p. 96). IU. E. Karpeshko. Tekh. kino i telev. 7 no. 10:45-48 O '63.

SELENIUM—THERMAL PROPERTIES

Effect of crystallization on the heat conductivity of selenium. M. I. Veliev and others. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekh. nauk no. 4:33-36 '63.

SELF-GOVERNMENT (IN EDUCATION)

Proved by practice. I. Korinman. Nar. obr. no. 9;67-71 S '63.

SEMANIUK, IVAN IURKOVYCH, 1874-1927

The author of "Marka." V. T. Polisk. Rad. lit. 7 no. 8 138-140 N-D '63.

SEMANTICS (PHILOSOPHY)

Schaff, Adam. [Introduction to semantics. Translated from the Polish] Vvedenie v semantiku. Vstup. stat'ia V. A. Zvegintseva, red. A. A. IAkusheva. Moskva, Izd-vo inostr. lit-ry, 1963. 374 p.
(NJP)

SEMEN—PRESERVATION

Preservation of bull semen at temperatures above freezing point [with summaries in English, German, and French]. N. P. IUshchenko. Vest. sel'khoz. nauki 8 no. 6:69-72 Je '63.

SEMICONDUCTORS

Akademiia nauk SSSR. Institut neftekhimicheskogo sinteza. [Organic semiconductors] Organicheskie poluprovodniki. Moskva, Izd-vo Akad. nauk SSSR, 1963. 317 p.

Akopetiants, A. V., and L. D. Rozenshtein [Organic semiconductors] Organicheskie poluprovodniki. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1963. 32 p. (Seriia "Poluprovodniki," no. 4)

Effect of the adsorption of free radicals on the contact potential of n-metric conductors. E. P. Gutman, L. A. Matsenkov. Dokl. AN SSSR 152 no. 3,647-650 S '63.

Fifth All-Union Conference on Semiconductors. K. B. Tolpygo, I. B. Levinson. Usp. fiz. nauk 81 no. 3;557-566 N '63.

Future of semiconductors. N. Bolgarov. NTO 6 no. 11: 54-55 N '63.

Noncontact measurement of the specific resistance of semiconductors. M. I. Iglitsyn and others. Zav. lab. 29 no. 11 1324-1326 '63.

A probe method for measuring the specific resistance of highly alloyed semiconductors. V. I. Fistul', O. B. Orekhovskii. Zav. lab. 29 no. 11:1327-1329 '63.

Semiconductors. B. M. Vul. Priroda 52 no. 10:12-17 '63.

Theory of the frequency characteristics of p-n junctions at large injection levels. Iu. F. Sokolov. Radiotekh. i elektron. 8 no. 12:2003-2007 D '63.

Use of light guides for photoelectric measurements on semiconductors. A. A. Meier. Zav. lab. 29 no. 11:1329-1331 '63.

Voltampere characteristics of a point contact with gianstype semiconductors. B. T. Kolomiets, E. A. Lebedev. Radiotekh. i elektron. 8 no. 12:2087-2090 D '63.

SEMICONDUCTORS—CONGRESSES

All-Union Conference on Semiconducting Compounds. IA. Agaev. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:126 '62.

SEMICONDUCTORS—ELECTRIC PROPERTIES

Apparatus for measuring the electrophysical properties of semiconducting materials. Iu. A. Kontsevoi and others. Zav. lab. 29 no. 11:1307-1309 '63.

SEMICONDUCTORS—PHOTOELECTRIC PROPERTIES

Method of investigating the photoelectric properties of semiconductors. A. P. Galushka, P. G. Litovchenko, V. I. Ustianov. Zav. lab. 29 no. 11:1335-1336 '63.

SEMICONDUCTORS—THERMOELECTRIC PROPERTIES

Quick method for measuring the thermoelectric characteristics of semiconductors. G. V. Lashkarev. Prib. i tekh. eksp. 8 no. 4:156-157 Jl-Ag '63.

SEMIPALATINSK PROVINCE—COOPERATIVE SOCIETIES—CONGRESSES

Useful conversation. T. Komarova. Koop. Kazakh. 6 no. 1:29-31 O '63.

SENSES AND SENSATION

Creative research on the problems of the development of psyche. N. I. Zhinkin. Sov. pedag. 27 no. 9:139-142 S '63.

SENTO see Central Treaty Organization

SEPARATION (TECHNOLOGY)

Calculation of the process of adsorption separation of a binary vapor mixture with the drawing off of intermediate fractions along the height of the column. E. N. Serpionova. Izv. vys. uchob. zav.; khim. i khim. tekh. 6 no. 3:358-360 '63.

Methods of improving the separation of lubricants on motorships. V. Storozhev. Rech. transp. 22 no. 11: 55-56 N '63.

SEPARATORS (MACHINES)

Air resistance and flows in the casing of the separator. M. T. Grinishin. Izv. vys. uchob. zav.; pishch. tekh. no. 5:115-119 '63.

Economic calculation of centrifugal separator stations in corn starch factories. Ch. K. Kurochitskii. Trudy TSNIIKPP no. 6:77-92 '63.

Lipatov, N. N. [Milk separators for the removal of impurities] Molokoochistiteli. Moskva, Mashgiz, 1963. 166 p.

Redesigning of the separator systems of the boilers of a thermal electric power plant and state regional electric power plant of the Rostov Electric Utility System. B. F. Tatarinov, D. L. Paletskii, S. S. Taravkov. Elek. sta. 34 no. 10:6-9 O '63.

Separation of a gas and liquid flow with small concentrations of liquid by means of a cyclone of special design. G. V. Tikhonov. Trudy LKI. no. 38:91-100 '62.

SEPTICEMIA

Otogenic sepsis; from data of the Vitebsk Otorhinolaryngological hospital. Iu. K. Aleksandrovskii. Zdrav. Bel. 9 no. 3:13-16 Mr '63.

Septic inflammation at different stages of ontogenesis in chicks [with summary in English]. A. K. Dondua, L. V. Tilling. Vest. LGU 18 no. 21:5-11 '63.

Septicopyemia following a criminal abortion. A. A. Nikol'skaia. Fel'd. i akush. 28 no. 8:32-35 Ag '63.

SERAKHS REGION—DELHI BOIL

Comparative epidemiological and epizootiological role of *sandflies* (Phlebotominae) in the Serakhs focus of zoonotic dermal leishmaniasis (Turkmen S. S. R.) [with summary in English]. V. M. Safianova. Zool. zhur. 42 no. 9,1383-1391 '63.

SERAKHS REGION—SANDFLIES AS CARRIERS OF DISEASE

Comparative epidemiological and epizootiological role of sandflies (Phlebotominae) in the Serakhs focus of zoonotic dermal leishmaniasis (Turkmen S. S. R.) [with summary in English]. V. M. Safianova. Zool. zhur. 42 no. 9,1383-1391 '63.

SERBO-CROATIAN LANGUAGE—TENSE

Future tense in modern literary Serbo-Croatian. V. P. Gudkov. Slav. filol. [Mosk. un.] no. 4:78-97 '63.

SERDOBSK DISTRICT—STATE FARMS

Morning dawns in the steppe; a sketch. B. Belikov. *Agitator no. 22,30-32 N '63.*

SERFDOM

(see also subdivision under Hungary; Vologda Government)

The problem of serfdom and the situation of peasants according to the "Instruction" of Catherine II. M. T. BelIavskii. Vest. Mosk. un. Ser. 9: Ist. 18 no. 6:44-53 N-D '63.

Runaway serfs of Prince A. M. Cherkasskii in the first half of the 18th century. K. N. Shchepetov. Ist. SSSR 7 no. 6:127-137 N-D '63.

Some interesting legal documents of the 17th century. V. G. Geiman. Ist. arkh. 8 no. 3:185-192 My-Je '62.

SERGEEV, MARK

This song is about Bratsk. N. Lagina. Znamia 33 no. 11:223-224 N '63.

SERGEEV-TSENSKII, SERGEI NIKOLAEVICH, 1876-1958

Fodiukova, N. F. [S. N. Sergeev-Tsenskii's epic work "*The Transfiguration of Russia*"] Epopeia S. N. Sergeeva-Tsenskogo "Preobrazhenie Rossii," Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 90 p. (RPB)

SERGEEV-TSENSKII, SERGEI NIKOLAEVICH, 1876-1958—MUSEUMS, RELICS, ETC.

Alushta. Gosudarstvennyi literaturno-memorial'nyi muzei S. N. Sergeeva-Tsenskogo. [S. N. Sergeev-Tsenskii; guide to the S. N. Sergeev-Tsenskii State Literary-Memorial Museum] S. N. Sergeev-Tsenskii; putevoditel'. Simferopol', Krymizdat, 1963. 101 p.

SERNO-SOLOV'EVICH, NIKOLAI ALEKSANDROVICH, 1834-1866

N. A. Serno-Solov'evich's unknown work. I. E. Barenbaum. Ist. SSSR 7 no. 6:138-142 N-D '63.

SEROLOGY

Morphological changes in the pulp of rat teeth under the influence of an antipulp immune serum. V. D. Sapfirov. Teor. i prak. stom. no. 5:206-213 '61.

SEROTONIN

Use of tryptamine derivatives for studying the role of 5-oxytryptamine (serotonin) in the embryonic development of invertebrates. G. A. Buznikov. Dokl. AN SSSR 152 no. 5:1270-1272 O '63.

SERPENTINE

Serpentinization in kimberlites. A. A. Lebedev, G. I. Smirnov. Trudy IAFAN AN SSSR. Ser. geol. no. 9:103-105 '63.

SERPENTS

Talyzin, F. F. [Snakes] Zmei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 108 p. (Nauchno-populiarnaia serila)

SERUM

Capacity of blood serum to fix iron in patients with aplastic anemia. G. A. Sitnikova. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4: 71-75 '60.

Obtaining anti-p serums by *immunizing animals with an* echinococcal allergen. M. V. Mishakova. Sud.-med. ekspert. 6 no. 4:34-37 O-D '63.

Preparation of plasma or serum in microliter quantities. *I. Sekach. Vop. virus. 8 no. 2:237-238 Mr-Ap '63.*

Production of a specific antiserum against potato virus S [with summary in English]. E. V. Kuvshinova. *Vop virus.* 8 no. 2 172-174 Mr-Ap '63.

Production of antiserum against barley false stripe virus [with summary in English]. E. V. Kuvshinova. *Vop. virus.* 8 no. 2:174-176 Mr-Ap '63.

Selection of ECHO virus strains for the preparation of *type-specific* rabbit serums [with summary in English]. Z. F. Zubova and others. *Vop. virus.* 8 no 2,213-217 Mr-Ap '63.

SERUM DIAGNOSIS

Intracutaneous test by means of an autoserum in Botkin's disease. A. L. Kravchenko. Vrach. delo no. 11:86-90 N '63.

Preparation of hyperimmune serums for the diagnosis of some insect bacterioses. M. V. IAlovitsyn, K. P. Ushakov. Trudy Inst. mikrobiol. i virus. AN Kazakh SSR 7 235-242 '63.

Serologic identification of entomopathogenic bacilli. M. V. IAlovitsyn. Trudy Inst. mikrobiol. i virus. AN Kazakh SSR 7 228-234 '63.

Serological reactions in rheumatoid arthritis and rheumatism. N. I. Vinogradov. Vrach. delo no. 11,128-130 N '63.

SERUM THERAPY

Effect of homologous and heterologous immune serums on the development of virus infection [with summary in English] N. M. Gruzdeva, P. N. Kosiakov. *Vop. virus* 8 no 2,163-167 Mr-Ap '63.

Experimental serotherapy in Omsk hemorrhagic fever [with summary in English] I. M. Rodin and others. *Vop virus. 8 no 2 193-199* Mr-Ap '63.

SERVICE INDUSTRIES

(see also subdivision under Bryansk, Czechoslovakia)

Letters to the editor. Mest. prom. i khud. promys. 3 no. 9:31 S '62.

Man and his way of life. Mest. prom. i khud. promys. 3 no. 9:1-2 S '62.

Mass servicing as a mathematical problem. S. Brodi, V. Koroliuk. Nauka i zhyttia 13 no. 10.6-7 N '63

SERVICE INDUSTRIES—ACCOUNTING

Accounting for receipt books in service industry enterprises. G. Naftul'ev. Bukhg. uchet 20 no. 10 75-77 O '63.

SERVICE INDUSTRIES—FINANCE

Kheifets, S. B. [Finances of regional service industry and enterprises] Finansy raionnoi promyshlennosti i predpriiatii bytovogo obsluzhivaniia. Moskva, Gosbytizdat, 1963. 129 p.

SERVOMECHANISMS

ASID-3m servomechanism for the welding of thin nonmagnetic materials. N. S. L'vov, A. P. Igoshin. Svar. proizv. no. 6:34-36 Je '63.

Digital servosystem for a movable reversing conveyor. V. I. Lavrinenko, V. A. Nazarenko. Mekh. i avtom. *proizv. 17 no. 10:30 O '63.*

Buchilin, A. M. [Linear tracking systems] Lineinye slediashchie sistemy, *konspekt lektsii. Leningrad,* Leningr. politekhn. in-t, 1963. 117 p.

SERZHEN'-YURT REGION—ANTIQUITIES

Ancient settlements near the village of Serzhen'-Yurt, Chechen-Ingush A. S. S. R. A. A. Ierusalimskaia, V. I. Kozenkova, E. I. Krupnov. Krat. soob. Inst. arkheol. no. 94:42-53 '63.

SEVASTOPOL—COMMUNIST PARTY OF THE SOVIET UNION

Tribe of the gray captains. S. Agafonov, Dm. Tkachenko. Sov. voin 45 no. 19:44 O '63.

SEVEN WONDERS OF THE WORLD

Neikhardt, A. A., and I. A. Shishova. [Seven wonders of the world, a reader for grade 5] Sem' chudes sveta, kniga dlia chtenia v V klasse. Izd. 2. Moskva, Uchpedgiz, 1963. 129 p.

SEVERNAYA VALLEY (KRASNOYARSK TERRITORY)—GEOLOGY, STRUCTURAL

Block structure of the Khantayka-Severnaya interfluve. V. S. Golubkov, A. I. Atlasov. Inform. sbor. NIIGA no. 30:36-41 '62.

SEVERNAYA ZEMLYA—DISCOVERY AND EXPLORATION

The 50th anniversary of the discovery of Severnaya Zemlya. E. M. Zinger, V. S. Korlakin. Izv. *AN SSSR.* Ser. geog. no. 6 95-101 N-D '63.

SEWAGE

Comparative toxicohygienic characteristics of waste waters from the production of new types of synthetic rubber. V. A. Ivanov. Trudy Vor. med. inst. 47 8-13 '62.

SEWAGE—TOXICOLOGY

Test with an isolated heart as a rapid method of preliminary evaluation of the toxicity of sewage and its ingredients. V. A. Ivanov, N. IA. Kuchmina, L. N. Fetisova. Trudy Vor. med. inst. 47:41-46 '62.

Use of the method of erythrocyte measurement in a sanitary toxicological experiment on the evaluation of waste waters from the production of synthetic rubber. V. A. Ivanov, M. V. Pogorelova. Trudy Vor. med. inst. 47: 47-52 '62.

SEWER PIPE

Continuous mechanized production line of sewage pipes. IA. B. Egorov. Stroi. i dor. mash. 8 no. 11:29-30 N '63.

SEWERAGE

Borodin, I. V. [Technology of the construction of water-supply and sewage installations] Tekhnologiia stroitel'stva vodoprovodno-kanalizatsionnykh sooruzhenii. Izd. 2., pererab. i dop. Moskva, Gosstroiizdat, 1963. 374 p.

SEWING MACHINES

Effect of the parameters of some elements of the shuttle on the formation of the zigzag stitch. V. A. Plekhkikov. Izv. vys. ucheb. zav., tekh. leg. prom. no. 5:132-140 '63.

Indicator for the Class 85 machine. S. Barenbaum. Shvein. prom. no. 5:20 S-O '63.

Redesigning of the Class 2 PMZ machine. S. N. Reznik. Shvein. prom. no. 5:28-29 S-O '63.

Use of plastics in the manufacture of sewing machine parts. A. E. Plotnikov. Shvein. prom. no. 5:24-26 S-O '63.

SEX—CAUSE AND DETERMINATION

Sex formation in animals as related to the combination of the types of the nervous systems of the male and female (with summaries in English, German, and French). V. N. Karlov. Vest. sel'khoz. nauki 8 no. 6:64-68 Je '63.

SEX IN PLANTS see Plants, Sex in

SHADRINSK—STANDARDIZATION

Public standardization office. P. Bortnikov. Mashinostroitel' no. 10:42 O '63.

SHAFTING

Device for the contactless measurement of stresses in ship shaft lines. D. B. Reinberg. Trudy LKI. no. 36:85-89 '62.

Effect of the flexure of a shaft line axis on its strength. D. E. Iakubskii. Trudy LKI no. 36:51-61 '62.

Methods of calibrating propeller shafts. A. A. Antipov, V. G. Popov, A. F. Tereshchenko. Sudostroenie 29 no. 10:64-66 O '63.

Nomograms for the determination of torsional vibrations in the design of shaft lines. L. V. Efremov. Sudostroenie 29 no. 11:21-23 N '63.

SHAMPOO

Powdered "Molodost'" shampoo based on purified sodium alkyl sulfates of synthetic secondary alcohols. I. K. Getmanskii, I. K. Vagina, V. M. Kuprianov. Trudy NIISZHIMSa no. 3:95-96 '62.

SHAMSI VALLEY—GLACIERS

Glaciation of the northern and southern parts of the Shamsi Basin in the Kirghiz Ala-Tau. E. V. Maksimov. Izv. Vses. geog. ob-va 95 no. 5:420-429 S-O '63.

SHCHUGOR VALLEY (KOMI A.S.S.R.)—GEOLOGY, STRATIGRAPHIC

Stratigraphy of ancient metamorphic formations in the Lyapin region in the light of new data. M. S. Bel'skii. Inform. sbor. NIIGA no. 31:25-36 '62.

SHEARS (MACHINE TOOLS)

Druzhinin, V. A., and V. A. Volosatov. [Cutter-presser] Rezchik-pressovshchik. [Leningrad] Lenizdat, 1963. 144 p. (V pomoshch' molodym rabochim)

SHEBETOVKA REGION—VITICULTURE

Continuation of the legend. V. Kruglikov, N. Tatarskaia. Sov. profsoiuzy 19 no. 16:12-16 S '63.

SHEEP

(see also subdivision under Dongizskiy District; Dzhambul Province)

Esaulov, P. A., and G. R. Litovchenko, eds. [Sheep farming] Ovtsevodstvo. Moskva, Sel'khozizdat, 1963. 719 p.
(DNAL)

SHEEP—FEEDING AND FEEDS see subdivision under Alma-Ata Province

SHEEP—PARASITES see Parasites—Sheep

SHEEP—WATERING

Nonfreezing automatic vacuum waterer for sheep. A. Pogorelov. Tekh. v sel'khoz. 23 no. 10:23-25 O '63.

SHEEPSHEARING

(see also subdivision under Orenburg Province)

Continuous electric sheepshearing. R. Isanchurin. Sel'. mekh. no. 10:12-13 O '63.

SHEET-METAL WORK

Automatic machine for manufacturing stamped parts. I. P. Nikitin. Mashinostroenie no. 6:20-21 N-D '63.

Efficient fining of corrugated sheet. G. P. Voznesenskii. Trudy Od. tekh. inst. 14:5-12 '62.

Elements of the standard planning of cold-forging shops. G. N. Rovinskii. Avt. prom. 29 no. 11:4-7 N '63.

Perforation of sheet steel on lathes. Sudostroenie 29 no. 11:64-65 N '63.

Stamped springs. A. M. Trus'. Mashinostroitel' no. 10:30 O '63.

Tomilenov, A. D. [Mechanics of metal-shaping processes] Mekhanika protsessov obrabotki metallov davleniem. Moskva, Mashgiz, 1963. 234 p.

SHEKHTMEISTER, LEV IAKOVLEVICH, d. 1963

Lev Iakovlevich Shekhtmeister. Poligr. proizv. no. 11:40 N '63.

SHELL MOLDING (FOUNDING)

Dimensions and taper of core prints in shell molds. V. B. Romanov. Lit. proizv. no. 10:41 O '63.

Mechanized assembly of shell molds. I. D. Grinberg, B. E. Dul'fan. Mashinostroenie no. 5:68-70 S-O '63.

SHEMAKHA—FORTIFICATION, OLD

Historical and archaeological information on the Giulistan stronghold [in Azerbaijani with summary in Russian]. G. Dzhiddi. Izv. AN Azerb. SSR Ser. obshchestv nauk no 6:39-56 '61.

SHERESHEVSKII'S SYNDROME see Turner's syndrome

SHEVCHENKO, TARAS, 1814-1861

[A garland for Taras Shevchenko; stories] Vinok Tarasovi Shevchenku, opovidannia. Kyiv, Radians'kyi pys'mennyk, 1963. 227 p.
(CaOTO)

In the fight for Shevchenko, Bulgarian criticism from 1917 to 1939 of the great Ukrainian poet. O. V. Shpyl'ova. Mizhslov. lit. vzaiem. no. 3, 5-36 '63.

M. Molnar's monograph "Friendship of Taras Shevchenko with the Czechs and Slovaks." V. I. Shevchuk. Mizhslov. lit. vzaiem. no. 3:327-328 '63.

M. Nevrlý's book "T. H. Shevchenko, revolutionary poet of the Ukraine." F. P. Mizhslov. lit. vzaiem. no. 3:328-329 '63.

New Bulgarian publication of works by T. H. Shevchenko. O. V. Shpyl'ova. Mizhslov. lit. vzaiem. no. 3:322-327 '63.

A portrait's "travels." M. Matsapura. Ukraina no. 17:22 S '62.

Shevchenko, T. H. [Aquarelles by T. H. Shevchenko; reproductions] Akvareli T. H. Shevchenka; reproduktsii. [Kyiv, Mystetstvo, 1963. [3] p. plates.

Shevchenko, T. H. [Complete collected works] Povne vydannia tvoriv. Za red. Bohdana Kravtseva. Chicago, Vyd-vo Mykoly Denysiuka.

Vol. 4. [Verse, 1847-1861. With supplementary verse and poems, and other publications, 1845-1860] Poezii 1857-1861 rr. Z dodatkom poezii i poem ta inshykh redaktsii 1845-1860 rr. 1962. 399 p.

Vol. 11. [Shevchenko as painter, engraver, and sculptor] Shevchenko - maliar, graver i skul'ptor. Pratsi Dmytra Antonovycha i Pavla Zaitseva z peredmovoiu Bohdana Kravtseva. 1963. 352 p. 62 plates.

Vol. 12. [Shevchenko's poetry translated into foreign languages] Poeziia Shevchenka chuzhymy movamy. Za red. i z stattiamy Bohdana Kravtseva. 1963. 455 p.

Vol. 13. [Shevchenko and his works] Shevchenko i joho tvorchist'; zbirnyk prats' i stattei. Za red. Bohdanan Kravtseva. 1963. 303 p.

T. H. Shevchenko and S. S. Kranjčević on the popularization of T. H. Shevchenko's poetry in Yugoslavia during the 1880's and 1890's. I. P. IUshchuk. Mizhslov. lit. vzaiem. no. 3:37-65 '63.

T. H. Shevchenko museum in a boarding school. I. M. Sydorenko. Ukr. mova i lit. v shkoli 13 no. 5:41-45 Jl '63.

Voinova, O. T. [Shevchenko days in school; a manual for teachers] Shevchenkivs'ki dni v shkoli; posibnyk dlia vchyteliv. Kyiv, Radians'ka shkola, 1963. 163, [5] p.
(CaOTU)

SHEVCHENKO, TARAS, 1814-1861—HOMES AND HAUNTS

Rozum, V. H. [Along the roads of our bard] Shliakhamy Kobzaria. [Kyiv] Kyivs'ke obl. knyzhkovo-hazetne vyd-vo, 1963. 140 p.

SHEVELEVA, EKATERINA

"Hearts of people, roads, cities..." V. Maslennikov. Znamia 33 no. 6:223 Je '63.

SHIELDING (RADIATION)

Gorodinskii, S. M., and V. B. Tikhomirov, eds. [Protective coatings in atomic engineering] Zashchitnye pokrytiia v atomnoi tekhnike; sbornik statei. Moskva, Gosatomizdat, 1963. 183 p.

SHIP HANDLING

Sur, P. S. [Manual on steering-gear handling] Posobie po rulevomu delu. Moskva, Izd-vo DOSAAF, 1963. 174 p.

SHIP PROPULSION

Advisability of providing propulsion bulbs on seagoing ship rudders. V. I. Asinovskii, F. M. Kataman, A. A. Lukovnikov. Sudostroenie 29 no. 11:8-10 N '63.

Diagram for the approximate determination of the distance and time for the run-down of a ship with controllable pitch propeller. V. I. Nebesnov. Sudostroenie 29 no. 11:12-13 N '63.

Improving the technical and economic indices of ships with the help of propulsion bulbs on rudders. A. I. Kuznetsov. Sudostroenie 29 no. 11:7 N '63.

Propulsion bulb efficiency. V. M. Ivchenko. Sudostroenie 29 no. 11:7-8 N '63.

Reversibility of motorships with fixed and controllable pitch propellers. G. G. Martirosov. Sudostroenie 29 no. 10:7-11 O '63.

SHIP RESISTANCE

Jet discharge pipe without reaction at anchorage. [illegible] Allamovskii. Sudostroenie 29 no. 11:30-31 N '63.

SHIP TRIALS

Drop in the speed of passenger launches in shallow waters having a current. V. Pavlenko, A. Fokin. Rech. transp. 22 no. 11:35-36 N '63.

Trial of the yacht "Antarctica." I. I. Matveev. Sudostroenie 29 no. 11:40-42 N '63.

SHIPBUILDING

(see also subdivision under Great Britain; Leningrad; Netherlands; United States, Varna, Bulgaria)

An early completion of the assignments of the seven-year plan. E. M. Penova. Sudostroenie 29 no. 10:60-62 O '63.

Development and importance of the technology of maximum prefabrication of ship sections. N. I. [illegible] Trudy LKI. no. 36:29-37 '62.

Using indices to evaluate the standardization of ship plans. V. I. Sazykin. Sudostroenie 29 no. 11:53-54 N '63.

SHIPBUILDING—BIBLIOGRAPHY see Bibliography Shipbuilding

SHIPBUILDING—CONGRESSES

All-Union Industrial Conference on problems of standardization and Specialization in Shipbuilding. V. I. Karelin. Sudostroenie 29 no. 10:62 O '63.

Seminar-conference of the Scientific Technological [illegible] for the Shipbuilding Industry. L. M. Bystrovskii. Sudostroenie 29 no. 11:79 N '63.

SHIPBUILDING—EQUIPMENT AND SUPPLIES

Ship movement on trucks with a centralized lifting system. A. K. Kazarin, B. E. Komkov. Sudostroenie 29 no. 10:62 O '63.

SHIPBUILDING—PRODUCTION STANDARDS

Problems of the improvement of production planning in shipbuilding plants. Iu. E. Krotov. Sudostroenie 29 no. 10:56-59 O '63.

SHIPBUILDING—RIGGING

Beliaev, L. M. [Safety measures in knotting and splicing operations in shipbuilding] Tekhnika bezopasnosti pri takelazhnykh rabotakh v sudostroenii. Leningrad, Sudpromgiz, 1963. 61 p. (Bibliotechka po tekhnike bezopasnosti)

SHIPBUILDING MATERIALS

From the editors' briefcase. Rech. transp. 22 no. 11:34-36 O '63.

Synthetic materials for the finishing and equipping of ship accomodations. V. S. Antonenko. Sudostroenie 29 no. 10:78-79 O '63.

SHIPBUILDING WORKERS—EDUCATION AND TRAINING see subdivision under Leningrad

SHIPFITTING

Development and importance of the technology of maximum prefabrication of ship sections. N. I. [illegible] Trudy LKI. no. 36:29-37 '62.

Use of prestressing in hull structures. V. N. [illegible] Sudostroenie 29 no. 10:52-54 O '63.

SHIPFITTING—EQUIPMENT AND SUPPLIES

Using a model M-2 machine for the fitting [illegible] ment. A. IA. Bel'chenko. Sudostroenie 29 no. 10:64 O '63.

SHIPPING

(see also subdivision under Soviet Far East)

Experience in mixed river-sea transportation. A. Kovalev, E. Nukhovich. Rech. transp. 22 no. 11:61-62 O '63.

Masters of blue spaces. V. Dubchak. NTO 5 no. 21:15-16 N '63.

SHIPPING—ABSTRACTS

[Water transportation] Ref. zhur.: Vod. transp. no. 11 D '63; no. 1 Ja '64.

SHIPS—EQUIPMENT AND SUPPLIES

Machine for cutting out washers. V. F. Golenko. Sudostroenie 29 no. 11:66-67 N '63.

Operation of loading cranes on ships of the type "Ural'sk" and "Dzhankoi." V. Gurskii. Mor. flot 23 no. 11:30-32 N '63.

Positive approach. V. Matveev. Mor. flot 23 no. 11:33 N '63.

SHIPS—EQUIPMENT AND SUPPLIES (Continued)

Universal portable machine for lapping internal combustion engine valves on ships. A. Teplitskov. Rech. transp. 22 no. 11:49 N '63.

SHIPS—FIRES AND FIRE PREVENTION

Trenches over the ocean. D. Eidel'man. Mor. flot 23 no. 11:44-46 N '63.

SHIPS—HYDRODYNAMICS

Possibility of resonance between wind gusts and the rolling of a ship. L. M. Akulin. Sudostroenie 29 no. 10:15 O '63.

SHIPS—MAINTENANCE AND REPAIR
(see also subdivision under West Kazakhstan Territory)

Eliminate shortcomings in preparing for ship repairs. Rech. transp. 22 no. 10:3 O '63.

Establish a new program of ship repairs. N. Belov. Rech. transp. 22 no. 11:28-29 N '63.

From the editorial briefcase. Rech. transp. 22 no. 11: 31-33 N '63.

[Handbook on ship repairs in two volumes] Spravochnik po remontu sudov v dvukh tomakh. Pod obshchei red. M. I. Chernova. Moskva, Izd-vo "Rechnoi transport." Vol. 1. 1963. 560 p.

Increase the drive against defective material in the fleet. B. Bednarzhevskii. Rech. transp. 22 no. 10: 57-58 O '63.

Operation of a shore-lifting crane. A. IAshchenko. Rech. transp. 22 no. 10:60 O '63.

Organizing work on standardization at the Izmail ship repair yard. IU. Krivoshcev. Mor. flot 23 no. 11:34-35 N '63.

Progressive workers are revealing potentialities. I. Basita, D. Rozenblium. Mor. flot 23 no. 11:5-6 N '63.

Reconditioning machine parts by build-up welding in an atmosphere of carbon dioxide. V. Shebanov. Rech. transp. 22 no. 10:31-32 O '63.

Repair of ship masts on shore. V. A. Fateev. Sudostroenie 29 no. 11:60 N '63.

The success of ship repairs is decided at the time of their preparation. V. Troflimov. Rech. transp. 22 no. 10 24-25 O '63.

The technical operation of the fleet is being conducted in an improved manner. Mor. flot 23 no. 11:33 N '63.

Using epoxy resins in ship repair operations. A. S. Sadikovskii. Sudostroenie 29 no. 11, 56-57 N '63

Using TSCh-4 electrodes in ship repairs. A. T. Abramov. Svar. proizv. no. 6:21 Je '63.

Work standardization in underwater ship repairs. N. M. Madaiev. Sudostroenie 29 no. 10:60-61 O '63.

SHIPS—WATER SUPPLY see subdivision under Germany, East

SHIPS, ALUMINUM

Efficiency of insulated ship walls with steel and aluminum alloy framing. A. T. Mitsevich. Sudostroenie 29 no. 10:16-17 O '63.

SHIPS, IRON AND STEEL

Efficiency of insulated ship walls with steel and aluminum alloy framing. A. T. Mitsevich. Sudostroenie 29 no. 10:16-17 O '63.

SHIPYARDS see subdivision under U-o, Japan; Sweden

SHIPYARDS—EQUIPMENT AND SUPPLIES

Rigging for ship launching from longitudinal ways. V. M. Sereda. Sudostroenie 29 no. 10:60-62 O '63.

Unique slipway. P. Kudrinshov. Rech. transp. 22 no. 10:50-51 O '63.

Using metal scaffolding in the docking of ships. IU. N. Varov. Sudostroenie 29 no. 10:63 O '63.

SHIRADAD DISTRICT—COLLECTIVE FARMS

The steppe recedes. V. Shkul'tin. Part. zhizn' [Uzb.] 6 no. 10:58-59 O '63.

SHIRADAD DISTRICT—WOMEN—EMPLOYMENT

Words and deeds. R. Babanazarov. Part. zhizn' [Uzb.] 6 no. 10:61-62 O '63.

SHIRTS, MEN'S

Manufacture of men's shirts from lavsan blend fabrics. L. F. Nikiforova, N. N. Fomichev. Shvein. prom. no. 5: 26-27 S-O '63.

SHISHKIN, IVAN IVANOVICH, 1831-1898

Shishkin, I. I. Ivan Ivanovich Shishkin. Moskva, Izd-vo Akad. khudozhestv SSSR, 1961. 10 p., 40 plates. (RPB)

SHOCK

Arterial infusion of blood in terminal states [with summary in English]. A. I. Kiadovshchikov, A. D. Khitrovs. Vest. khir. 90 no. 6:10-22 Je '63.

Hospitalization and treatment of patients with myocardiac infarction complicated by collapse [with summary in English]. A. A. Shelagurov, T. L. Dobrovol'skaia, D. P. Il'in. Klin. med. 40 no. 11:82-88 N '62.

Mechanism of the recovery of cardiac activity in the elimination of shock by rhythmic distension of the arterial walls. T. D. Solochan. Zdravookhranenie 6 no. 5 52-57 S-O '63.

Observations on the review by Professor K. I. Pikin and Candidate of Medical Sciences N. K. Mitiunin. I. R. Petrov, M. G. Shraiber. Ortop., travm. i protez. 24 no. 6:84-85 Je '63.

Surgical tactics in the treatment of fractures of long tubular bones complicated by shock. L. F. Pan'kina. Ortop., travm. i protez. 24 no. 6:23-28 Je '63.

"Traumatic shock." Reviewed by K. I. Pikin, N. K. Mitiunin. Ortop., travm. i protez. 24 no. 6:81-84 Je '63.

Two cases of avulsion of the upper extremity together with the scapula. A. T. Staroverov, N. V. Chernyshev. Vest. khir. 91 no. 7:76-77 Jl '63.

Volume of blood loss in patients with closed pelvic fractures. V. F. Pozharitskii. Ortop., travm. i protez. 24 no. 6:28-30 Je '63.

SHOCK WAVES

Establishment of ionization equilibrium behind the shock wave front in an atomic gas. L. M. Biberman, I. T. IAkubov. Zhur. tekh. fiz. 33 no. 11 1344-1353 N '63.

Interaction of a reflected shock wave with a boundary layer. V. A. Andreev, A. I. Lashkov. Inzh. zhur. 3 no. 4:706-710 '63.

Investigating the structure of strong shock waves in hydrogen and helium. V. V. Zhurin, V. A. Sultaev. Inzh. zhur. 3 no. 4:645-657 '63.

SHOE INDUSTRY

Use of latexes in the leather and shoe industry. IU. Klimchuk. Prom. Arm. 6 no. 9:64-66 S '63.

SHOE INDUSTRY—STANDARDS

Standardization in the leather and shoe industry. IU. L. Kavkazov. Standartizatsiia 27 no. 11:28-29 N '63.

SHOE MANUFACTURE—EQUIPMENT AND SUPPLIES

Fabrics for shoes. L. I. Poniatovskaia. Standartizatsiia 27 no. 11,40-41 N '63.

SHOEMAKERS—DISEASES AND HYGIENE

Hygienic evaluation of occupational training in a shoe factory. P. V. Izbavitelev and others. Zdrav Bel 9 no. 3 39-40 Mr '63.

SHOOTING, MILITARY

Great firing skill for the gunners. V. Tymtsias'. Voen. vest. 13 no. 10:34-37 O '63.

A marksman is trained this way. B. Matvieta. Voen. vest. 43 no. 11:31-35 N '63.

Shooting training of young soldiers. B. Platov. Voen. vest. 43 no. 11:123-127 N '63.

SHORE PROTECTION see subdivision under Termez

SHORTWAVE RADIO see Radio, Shortwave

SHORZHA (ARMENIA)—DUNITE

Forsterite refractories from Shorzha dunites. T. A. Aleksandrova and others. Ogneupory 28 no. 11:493-494 '63.

SHOTMAN, ALEKSANDR VASIL'EVICH, 1880-

Delegate to the Second Congress. Gennadii Fish. Znamia 33 no. 7:189-188 Jl '63.

SHOULDER—DISEASES

Local hydrocortisone therapy in humeroscapular periarthritis. A. M. Tetdoev, N. S. Morozov. Ortop., travm. i protez. 24 no. 6:53-54 Je '63.

SHOULDER JOINT—DISLOCATION

Old and neglected dislocations of the shoulder joint. B. I. Sivkurov. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:169-175 '59.

Setting of shoulder dislocations. B. F. Kadochnikov. Vest. khir. 91 no. 7:87-88 Jl '63.

SHOULDER JOINT—SURGERY

Surgical treatment of patients with tuberculosis of the shoulder joint. A. P. Skoblin, A. K. Prikhod'ko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:271-278 '59.

SHOULDER JOINT—TUBERCULOSIS

Surgical treatment of patients with tuberculosis of the shoulder joint. A. P. Skoblin, A. K. Prikhod'ko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15,271-278 '59.

SHOW WINDOWS

With good taste and imagination. I. Aizenshtein. Obshchestv. pit. no. 12:22-23 D '61.

SHPAGIN, ANATOLII

Severe lesson. A. Mal'kov. Sov. voin. 45 no. 22:18-19 N '63.

SHRIMPS

Energy expenditure during the motion of prawns [with summary in English]. V. S. Ivlev. Zool. zhur. 42 no. 10:1465-1471 '63.

SHTOHARENKO, ANDRII IAKOVYCH, 1903-

Khivrych, L. N. ["Partisan pictures" by A. Shtoharenko] "Partizans'ki kartyny" A. Shtoharenka. Kyiv, Derzh. vyd-vo "Mystetstvo," 1963, 23 p. (Lituyteliam nauzyky)

SHVARTS, VIACHESLAV GRIGOR'EVICH, 1838-1869

Right groove. V. Volonov. Ogonek 41 no. 43 25 O '63.

SIBERIA

Lenin and Siberia. V. Kulikov. V mire knig 3 no. 11 2-3 N '63.

Reporting from the 21st century. L. V. Pustovalov. V mire knig 3 no. 11,18-19 N '63.

Siberia and its future. D. I. Shcherbakov. V mire knig 3 no. 11 1 N '63

SIBERIA—AGRICULTURAL WORKERS

Efforts of the party organizations of Siberia and the Ural Mountain region to consolidate and politically educate agricultural workers in 1928 and 1929. I. I. Shalas. Vest. Mosk. un. Ser. 9 Ist. 18 no. 5:20-37 S-O '63

SIBERIA—BULLDOZERS

Effectiveness of using the D-384 bulldozer for earthwork. V. G. Taits. Transp. stroi. 13 no. 9 4-7 S '63.

SIBERIA—COMMUNIST PARTY OF THE SOVIET UNION

Documentary materials of the Archives of the Irkutsk Province Committee of the CPSU. A. IA. Shapranova. Ist. arkh. 8 no. 3:195-198 My-Je '62.

SIBERIA—CONCHOSTRACA, FOSSIL

Carboniferous crustacean Conchostraca. N. I. Novozhilov. Trudy SNIIGGIMS no. 21,61 '62.

SIBERIA—DESCRIPTION AND TRAVEL

Kozhevnikov, S. E. [My Siberia] Moia Sibir' Leningrad Gos. Izd-vo detskoi lit-ry, 1962. 365 p. illus. (MIU)

SIBERIA—ETHNOLOGY—MAPS

"Historical and ethnological atlas of Siberia." Reviewed by S. Vainshtein, I. Gurvich, Z. Sokolova. Sov. etn. no. 5 152-157 S-O '63.

SIBERIA—FISHES, FOSSIL

Carboniferous fishes. D. B. Obruchev. Trudy SNIIGGIMS no. 21:75-76 '62.

SIBERIA—FROZEN GROUND

New data on the interrelation of surface and underground waters in a section of a thick frozen zone. A. I. Efimov. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1 111-124 '58.

Some problems in the construction of automobile roadbeds in the regions of permanently frozen ground. N. P. Kachurin. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1,88-100 '58.

SIBERIA—GEOCHEMISTRY

Udodov, P. A., I. P. Onufrienok, and IU. S. Parilov. [Practice of hydrogeochemical studies in Siberia] Opyt gidrogeokhimicheskikh issledovanii v Sibiri, metodika i rezul'taty rabot. Moskva, Vysshaia shkola, 1962. 188 p.

SIBERIA—GEOLOGY, ECONOMIC

Geological prerequisites of the distribution of minerals in the eastern part of the U.S.S.R. G. M. Vlasov and others. Sov. geol. 6 no. 12:36-57 D '63.

SIBERIA—INDUSTRIAL ORGANIZATION—CONGRESSES

New enterprises and production should be more efficient. Plan. khoz. 40 no. 11:91-94 N '63.

SIBERIA—INDUSTRIES—CONGRESSES

Vital problems in the economics and organization of new enterprises and production. B. Oriov, V. Pandakov. Vop. ekon. no. 10 151-155 O '63.

SIBERIA—LONGEVITY

Berdyshev, G. D. [The longevity problem in Siberia and the Far East] Problema dolgoletiia v Sibiri i na Dal'nem Vostoke. Novosibirsk, Izd-vo Sibirskogo otd-niia Akad. nauk SSSR, 1963. 77 p.

SIBERIA—MINE DUSTS—BIBLIOGRAPHY

Bibliographic index of literature on the prophylaxis of pneumoconiosis in miners of Siberia. Vop. bor'. s sil. v Sib. no. 1,123-132 '61.

SIBERIA—MINE DUSTS—PREVENTION

Dust control in permanently frozen rocks. I. P. Petrov. Vop. bor'. s sil. v Sib. no. 1,105-112 '61.

SIBERIA—MINERS—DISEASES AND HYGIENE

Some results and problems of silicosis control in the Siberian mining industry. P. T. Prikhod'ko. Vop. bor'. s sil. v Sib. no. 1:5-13 '61.

SIBERIA—RAILROAD BRIDGES—MAINTENANCE AND REPAIR

Repair of the underwater parts of bridge footings in the winter. V. S. Antsiperovskii, B. A. Riabyshev. Put' i put. khoz. 7 no. 12:26-28 '63.

SIBERIA—ROAD CONSTRUCTION

Some problems in the construction of automobile roadbeds in the regions of permanently frozen ground. N. P. Kachurin. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1, 88-100 '58.

SIBERIA—TECHNOLOGICAL INNOVATIONS

The fifth competition. A. I. Shcherbakov. Izobr. i rats. no. 11:18-19 '63.

Siberia works for communism. M. Sirotinin. Izobr. i rats. no. 11 1, 7 '63.

SIBERIA—WATER, UNDERGROUND

New data on the interrelation of surface and underground waters in a section of a thick frozen zone. A. I. Efimov. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1 111-124 '58.

SIBERIA, EASTERN—VOLCANOES

Recent data on the intracontinental Quaternary volcanoes of northeastern Asia. M. D. Chasovitin. Dokl. AN SSSR 152 no. 3:703-705 S '63.

SIBERIA, WESTERN—DUST STORMS

Dust storms in the West Siberian and Kazakhstan steppes. K. F. Zhirkov Izv. AN SSSR. Ser. geog no. 6 50-55 N-D '63.

SIBERIA, WESTERN—MINE DUSTS—PREVENTION

Some results of dust control at the enterprises of the All-Union State West Siberian Gold-Mining Trust. A. P. Korzun. Vop. bor'. s sil. v Sib. no. 1:99-104 '61.

SIBERIA, WESTERN—NAMES, GEOGRAPHICAL

Geographic names occurring in the southern part of eastern Siberia. L. A. Plastinin. Geod. i kart. no. 10. 63-65 O '63.

SIBERIA, WESTERN—WINDBREAKS, SHELTERBELTS, ETC.

Shelterbelt afforestation in Western Siberia and northern Kazakhstan. IU. M. Zhdanov, A. F. Semin. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:80-90 S '63.

SIBERIAN PLATFORM—DIAMONDS

Distribution of diamond placer deposits in the northeastern part of the Siberian Platform. V. I. Timofeev, G. S. Gusev. Trudy IAFAN AN SSSR. Ser. geol. no. 9:140-154 '63.

Fracture tectonics and the diamond potential of the eastern part of the Siberian Platform. A. A. Arsen'ev. Trudy IAFAN AN SSSR. Ser. geol. no. 9:39-44 '63.

Paleogeographic conditions of the formation of diamond continental and marine Jurassic placer deposits in the central and northeastern parts of the Siberian Platform. M. M. Odintsova, O. K. Smirnova. Trudy IAFAN AN SSSR. Ser. geol. no. 9. 142-148 '63.

SIBERIAN PLATFORM—GEOLOGY—MAPS

Division of the trap formation in the northwestern margin of the Siberian Platform in medium-scale geological mapping. D. A. Dodin and others. Inform. sbor. NIIGA no. 30:8-21 '63.

SIBERIAN PLATFORM—GEOLOGY, STRUCTURAL

Age of the fold basement of the Olenek uplift in the Siberian Platform. V. A. Vinogradov, A. A. Krasil'shchikov. Dokl. AN SSSR 152 no. 3. 687-689 S '63.

Fracture tectonics and the diamond potential of the eastern part of the Siberian Platform. A. A. Arsen'ev. Trudy IAFAN AN SSSR. Ser. geol. no. 9:39-44 '63.

SIBERIAN PLATFORM—KIMBERLITE

Tectonics of the Anabar anticline and manifestation of kimberlite and trap-rock volcanism. Trudy IAFAN AN SSSR. Ser. geol. no. 9:22-38 '63.

SIBERIAN PLATFORM—METAMORPHISM (GEOLOGY)

Metamorphism of disseminated organic matter in the Lower Paleozoic of the Siberian Platform. N. I. Bogoroditskaia. Trudy VNIGRI no. 212. Geokhim. sbor. no. 8:95-127 '63.

SIBERIAN PLATFORM—ORGANIC MATTER

Metamorphism of disseminated organic matter in the Lower Paleozoic of the Siberian Platform. N. I. Bogoroditskaia. Trudy VNIGRI no. 212. Geokhim. sbor. no. 8:95-127 '63.

SIBERIAN PLATFORM—ROCKS, IGNEOUS

Tectonics of the Anabar anticline and manifestation of kimberlite and trap-rock volcanism. Trudy IAFAN AN SSSR. Ser. geol. no. 9:22-38 '63.

SIBERIAN PLATFORM—ROCKS, IGNEOUS—CLASSIFICATION

Classification of effusive trap rocks in the northwestern part of the Siberian Platform. IU. I. Tomanovskaia. Inform. sbor NIIGA no. 30, 22-35 '62.

SICA, VITTORIO de, 1901-

Bogemskii, G. D. [Vittorio de Sica] Vittorio De Sika. Moskva, Izd-vo "Iskusstvo," 1963. 229 p. Illus. (Mastera zarubezhnogo kinoiskusstva)

SICILY—SOCIAL CONDITIONS

Anger and tears of Sicily. Stig Carlsson, Franco Alassia. Vokrug sveta no. 11:50-54 N '63.

SIERAKOVSKI, ZYGMUNT, 1827-1863

Inspired Zygmunt. V. Vladimirov. Ogonek 41 no. 42. 20 O '63.

SIGNALS AND SIGNALING—BIBLIOGRAPHY see Bibliography—Signals and signaling

SIKORA, IVAN PAULAVICH, 1885-

A man and his orchard. N. Navitskaia. Belarus' 20 no. 11:18 N '63.

SILANE

Addition of silicon hydrides to dimethylallylferrocenylsilane in the presence of H_2PtCl_6. A. D. Petrov and others. Dokl. AN SSSR 152 no. 5:1118-1121 O '63.

Amperometric titration of alkylchlorosilanes in methanol-benzene and acetic acid media [with summary in English]. A. P. Kreshkov, V. A. Bork, M. I. Aparsheva. Zhur. anal. khim. 18 no. 10:1149-1154 O '63.

Thermodiffusion separation of silicon isotopes in monosilane [with summary in English]. G. G. Deviatykh, G. K. Borisov. Zhur. fiz. khim. 37 no. 9:1985-1988 S '63.

SILAZANES

Rearrangement of organocyclosilazanes brought about by the action of inorganic acids. D. IA. Zhinkin and others. Plast. massy no. 11:16-19 '63.

SILICA

Activity of lead oxide in melts of the PbO - SiO_2 system. V. I. Minenko, N. S Ivanova. Ukr. khim. zhur. 29 no. 11 1160-1164 '63.

Change in the adsorbing capacity of silica gel induced by high-frequency discharges. S. V. Starodubtsev and others. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk no. 6 77-78 '61.

Clinker-forming compounds - water systems. Part 1: Effect of alkalies and active silica on the hydration of calcium silicates. V. F. Cheinykh, R. D. Azolitskaia, I. F. Ponomarev. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:834-840 '63.

Possible form of the transportation of silica in hydrothermal fluids. I. G. Ganeev. Sov. geol. 6 no. 12 103-111 D '63.

SILICATES

Experimental studies of the crystallization process of silicate melts corresponding to the composition of basic rocks. N. F. Chelishchev, V. A. Kuznetsov, IU. P. Dikov. Dokl. AN SSSR 152 no. 3:709-712 S '63.

Kinetics of the interaction of the oxides of magnesium, silicon, and aluminum with melts of the ternary system CaO - SiO_2 - Al_2O_3. P. M. Shurygin, B. N. Boronenkov. Ogneupory 28 no. 12:561-565 '63.

Stefanovskii, E. E. [Economics of the silicate industry of the U. S. S. R.] Ekonomika silikatnoi promyshlennosti SSSR. Khar'kov, Izd-vo Khar'kovskogo univ., 1962. 204 p.

SILICIC ACIDS

Possibility of changing the texture of silicic acid xerogels in the process of vapor sorption. B. M. Mitsiuk, Z. Z. Vysotskii. Dokl. AN SSSR 152 no. 5:1166-1168 O '63.

Rapid volumetric analysis of silicic acid in solutions of water glass. V. E. Sokolovich. Zav. lab. 29 no. 10: 1178-1179 '63.

SILICON

Chemical reactions taken place during the interaction of silicon with hydrofluoric and nitric acid. M. M. Pliiutko. Zav. lab. 29 no. 10:1179-1180 '63.

Rapid chemical concentration of silicon in the preparation of samples for spectral analysis. Kh. I. Zil'bershtein and others. Zav. lab. 29 no. 10:1266-1267 '63.

Toropov, N. A., and I. F. Andreev. [Elementary silicon] Elementarnyi kremnii; uchebnoe posobie. Leningrad, Leningr. tekhnolog. in-t im. Lensoveta, 1963. 97 p.

SILICON—ELECTRIC PROPERTIES

Capture of current carriers in thermally treated silicon. K. D. Glinchuk, N. M. Litovchenko. Fiz. tver. tela 5 no. 11:3150-3155 N '63.

Effect of trapping levels on the lux-ampere characteristics in silicon. V. F. Afanas'ev and others. Fiz. tver. tela 5 no. 11:3179-3182 N '63.

Electrophysical properties of the actual surface of silicon at varying temperatures. V. G. Litovchenko, V. I. Lisshenko. Fiz. tver. tela 5 no. 11:3207-3214 N '63.

SILICON, EFFECT OF RADIATION ON

Nature of local centers with deep-seated levels in silicon irradiated by fast electrons. V. D. Tkachev, A. F. Plotnikov, V. S. Vavilov. Fiz. tver. tela 5 no. 11 3188-3194 N '63.

SILICON ALLOYS—ELECTRIC PROPERTIES

Some properties of silicon with admixtures of mercury, tungsten, molybdenum, and platinum IU. A. Zibuts, L. G. Paritskii, S. M. Ryvkin. Fiz. tver. tela 5 no. 11: 3301-3304 N '63.

SILICON CARBIDE

About I. S. Kainarskii and E. V Degtiareva's book "Carborundum refractories." P. S. Mamykin. Ogneupory 28 no. 11:528 3 of cover '63.

Analysis of pure silicon carbide by the neutron activation method [with summary in English]. E. A. Isaeva, L. E. Makasheva, A. P. Obukhov. Zhur. anal. khim. 18 no. 8. 979-983 Ag '63.

Foamed carborundum and its properties. L. IA. Guzmas, V. S. Morozova. Ogneupory 28 no. 12:556-561 '63

SILICON CARBIDE CRYSTALS—GROWTH

Production of silicon carbide crystals. I. G. Pichugin, IU. M. Tairov, D. A. IAs'kov. Prib. i tekh. eksp. 6 no. 4:176-180 Jl-Ag '63.

SILICON CRYSTALS

Detection of dislocations in silicon single crystals with low density dislocations. B. M. Turovskii, L. V. Lainer. Zav. lab. 29 no. 11.1331-1333 '63.

SILICON-GERMANIUM ALLOYS see Germanium-silicon alloys

SILICON HYDRIDES

Addition of silicon hydrides to dimethylallylferrocenylsilane in the presence of H_2PtCl_6. A. D. Petrov and others. Dokl. AN SSSR 152 no. 5:1118-1121 O '63.

SILICON-IRON ALLOYS see Iron-silicon alloys

SILICON ISOTOPES

Thermodiffusion separation of silicon isotopes in monosilane [with summary in English]. G. G. Deviatykh, G. K. Borisov. Zhur. fiz. khim. 37 no. 9:1985-1988 S '63.

SILICON ORGANIC COMPOUNDS

Curing of "hydrophobia." V. Losev. Tekh. mol. 31 no. 11:9 '63.

SILICON-ZINC ALLOYS

Absorption in silicon alloyed with zinc. B. V. Kornilov. Fiz. tver. tela 5 no. 11:3305-3311 N '63.

SILOS

Calculation of stresses in a wall of a corner silo under the action of forces applied from below. A. M. Trukhlov, M. M. Osipov. Bet. i zhel.-bet. 9 no. 10:469-475 O '63.

SILT

(see also subdivision under Karabotan, Lake)

Role of silt deposition in the turf soil formation process in the floodland and delta of the Northern Dvina River. G. V. Afanas'ev. Dokl. TSKHA no. 47:163-169 '59.

Streams of mud sediments along seashores. V. P. Zenkovich. Izv. AN SSSR. Ser. geog. no. 6-27-34 N-D '63.

SILT—MICROBIOLOGY see subdivision under Karabotan, Lake

SILVER—ANALYSIS

Potentiometric determination of silver in photographic materials. M. V. Zhdanova. Zav. lab. 29 no. 11:1307 '63.

SILVER—ELECTRIC PROPERTIES

Intercrystallite electric transfer of silver in copper. S. M Klotsman, A. N. Timofeev, I. Sh. Trakhtenberg. Fiz. met. i metalloved. 16 no. 4:611-612 O '63.

SILVER-ALUMINUM ALLOYS see Aluminum-silver alloys

SILVER BROMIDE CRYSTALS—MODELS

Continuous model of an F-center in AgBr. V. M. Buimistrov. Fiz. tver. tela 5 no. 11:3264-3272 N '63.

SILVER CATALYSTS

Kinetics of the contact oxidation of methyl alcohol to formaldehyde on a silver catalyst. V. I. Atroshchenko, I. P. Kushnarenko. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:774-780 '63.

SILVER FOX see subdivision under Zyryanovsk region

SILVER IONS

Silver water. L. Kul'skyi. Nauka i zhyttia 13 no. 10: 46 N '63.

SILVER-NICKEL ALLOYS see Nickel-silver alloys

SILVER OXALATE

Effect of the addition of cadmium ions on the thermal stability of silver oxalate. V. V. Boldyrev and others. Kin. i kat. 4 no. 5:672-682 S-O '63.

SILVERSMITHING see subdivision under Bashkiria; Velikiy Ustyug

SIMBIRSK—HISTORIC HOUSES, ETC.

Restoration of the house of the Ul'ianov family in Simbirsk. G. A. Sazontov. Ist. arkh. 8 no. 3:209-212 My-Je '62.

SIMFEROPOL'—IONOSPHERIC RESEARCH

Akademiia nauk SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniia radiovoln. Simferopol'. Moskva, (Its: Materialy ionosfernykh issledovanii) July-Aug. 1958, 1962. 82 p.

SIMILITUDE, THEORY OF

Similitude laws for gas outflow into a thin hypersonic nozzle. IU. L. Zhilin. Inzh. zhur. 3 no. 4:628-631 '63.

SIMULATION OF CRIMES

His "search of truth." I. Eganov. Sots. zakon. 40 no. 11:65-67 N '63.

Strange story of "Kuskov's case." B. Solov'ev. Sots. zakon. 40 no. 10 48-50 O '63.

SINGLE-RAIL RAILROADS see Railroads, Single-rail

SINTERING

Changes in the microhardness of basic minerals in iron ore sinters. B. A. Livshits, G. S. Vasil'ev. Izv. vys. uchеb. zav., chern. met. 6 no. 10, 30-31 '63.

Kinetics of sintering in the solid phase. B. IA. Pines. Fiz. met. i metalloved. 16 no. 4:557-566 O '63.

Sintering with a various amount of anthracite dust in the fuel. L. M. Freidin, L. M. Rudakov, I. I. Gorshtein. *Metallurg 8 no. 10, 3-4 O '63.*

SINTERING—EQUIPMENT AND SUPPLIES

Modernizing the equipment of a sintering plant. D. P. Pritykin. Metallurg 8 no. 11:4-7 N '63.

SINUSITIS

Sinobronchitis in childhood. T. IAneva, M. Ivanova, TS. Dsmianova. Pediatriia 41 no. 7:24-28 Jl '63.

SKALON, VASILII NIKOLAEVICH, 1903-

Vasilii Nikolaevich Skalon. E. D. Petriaev, M. A. Sergeev. Izv. Vses. geog. ob-va 95 no. 5:465-466 S-O '63.

SKIN

Bactericidal properties of the skin in some skin diseases. F. S. Malyshev. Trudy Khab. med. inst. 23 no. 2:96-101 '62.

Role of respiration through the skin. N. M. Petrun'. Fel'd. i akush. 28 no. 8:37-39 Ag '63.

SKIN—CANCER see subdivision under Karelia

SKIN—DISEASES

About hemodermias. IA. A. Cherikover. Vrach. delo no. 11:145 N '63.

Atrophic acrodermatitis. A. G. Zemlianoi. Vest. khir. 91 no. 7:83-86 Jl '63.

Clinical and pathoanatomic symptoms and course of reticulosis of the skin. V. IA. Arutiunov, P. I. Golemba, V. A. Odinokova. Vop. klin. pat. no. 2:253-256 '61.

Desquamative erythroderma in newborn infants (Leiner's disease). IA. E. Atlas. Fel'd. i akush. 28 no. 8:29-32 Ag '63.

Experience in the treatment of some skin diseases with ganglionic blocking agents. K. F. Fomin. Vest. derm. i ven. 37 no. 7:15-18 Jl '63.

Fluorescence studies on the urine [with summary in English]. B. A. Zenin, I. S. Gol'denberg. Klin. med. 41 no. 7:36-40 Jl '63.

"Industrial medical expertise on skin diseases" by A. P. Dolgov, L. V. Solov'eva. Reviewed by V. I. Sukharev. Klin. med. 40 no. 11:162 '62.

Occupational dermatitis caused by aminazine. A. A. Galinkin. Gig. truda i prof. zab. 7 no. 1:51-53 Ja '63.

Occupational diseases of the skin in workers of the radio-receiver sets industry. G. P. Elizarov. Gig. truda i prof. zab. 7 no. 1:49-50 Ja '63.

Organization of pyodermatitis control in industry. E. K. Bogdanova, K. I. Romanova, A. D. Shmakov. Gig. truda i prof. zab. 7 no. 1:50-51 Ja '63.

Skin disorders in Pringle-Bourneville disease [with summary in English]. L. P. TSirkunov. Vest. derm. i ven. 37 no. 7:49-52 Jl '63.

Trophic action of urea and its use in the treatment of neurotrophic skin diseases [with summary in English]. E. E. Martinson, A. J. Lind. Vest. derm. i ven. 37 no. 7:21-22 Jl '63.

SKIN—INNERVATION

Effect of ganglerion and arpenal on the activity of cholinesterase in the individual cellular formations of the cutaneous-motor analyzer and hypothalamus in rabbits. M. G. Amadian. Izv. AN Arm. SSR, Biol. nauki 16 no. 10, 13-22 O '63.

Morphophysiology and physiology of skin receptors [with summary in English]. K. K. Sergeev. Vest. derm. i ven. 37 no. 7:8-14 Jl '63.

SKIN—PERMEABILITY

Skin permeability for nickel compounds [with summary in English]. F. I. Kolpakov. Arkh. pat. 25 no. 6:38-45 '63.

SKIN—TUMORS

Mixed tumors of the skin (with summary in English). A. V. Gubareva. Arkh. pat. 25 no. 7:17-24 '63.

SKIN DIVING see Diving, Submarine

SKIN GRAFTING

Cylindrical dermatome for continuous excision and separation of the skin into layers [with summary in English]. P. M. Medvedev. Vest. khir. 90 no. 6 103-105 Je '63.

Dermatoplasty by means of a "sieve flap" in treating sequelae of traumatic injuries of the locomotor apparatus in children. M. I. Sintio. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15, 137-140 '59.

Expediency of training Filatov's graft by means of pressing one of its pedicles, brief report. M. V. Andruson, A. I. Tarnopol'skii. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:35-37 '59.

Experience with the use of the Zietkiewicz method of plastic surgery of the skin [with summary in English]. S. A. Polishchuk. Vest. khir. 91 no. 7 52-56 Jl '63.

Extensive congenital skin defects in newborn infants. V. A. Kuznetsov, R. A. Kukhtinova, P. G. Soroko. Akush. i gin. 39 no. 4:134-135 Jl-Ag '63.

Reconstruction of the "digits" of the upper extremity [with summary in English]. L. V. Gruber. Vest. khir. 90 no. 6:98-102 Je '63.

SKIS AND SKIING

Cross-country runs on skis. D. M. Vasil'ev. Sov. voin 44 no. 2:42-43 Ja '62.

Developing speed in young skiracers. V. I. Shaposhnikova, *L. A. Baranov, S. D. Padnas.* Probl. fiz. sporta *no. 2:47-52 '61.*

Examination of the cardiovascular and respiratory systems in young skiers. V. V. Vasil'eva and others. Probl. fiz. sporta no. 2:166-178 '61.

Long-term planning in the training of two-event skiers from childhood. A. I. Ivanov. Probl. fiz. sporta no. 2:45-47 '61.

Use of differentiated training practices during the main training period for young girl skiers. E. I. Kudriavtsev. Probl. fiz. sporta no. 2:53-60 '61.

SKULL—BLOOD SUPPLY

Arteries in some bones of the facial portion of the skull in the human fetus. A. N. Gabuzova, I. N. Preobrazhenskaia. Zdrav. Bel 9 no 3:28-31 Mr '63.

SKULL—RADIOGRAPHY

Review of V. G. Ginzburg's book "Fundamentals of roentgenological examination of the skull." B. M. Shtern. Vest. rent. i rad. 38 no. 5:73-74 S-O '63.

SKURKO, IAUHEN, 1912-

Good luck, dear brother! Oleksa IUshchenko. Ukraina no. 17:17 S '62.

Maksim Tank's lyric poems. N. Kislik. Belarus' 20 no. 11:26 N '63.

SLANDER

His "search of truth." I. Eganov. Sots. zakon. 40 no. 11:65-67 N '63.

SLASH (LOGGING)

Form of the curve of the tooth of mechanical slash pickers operating on the principle of hay rakes. N. I. Pustovalov. Trudy STI no. 32:40-49 '62.

Work of the grabbing parts of mechanical slash pickers operating on the principle of hay rakes. N. I. Pustovalov. Trudy STI no. 32:34-38 '62.

SLAVERY see subdivision under Greece

SLAVIC ANTIQUITIES see subdivision under Dnieper Valley

SLAVIC LITERATURE

In foreign countries. Mizhslov. lit. vzaiem. no. 3:336-340 '63.

In the Ukraine. Mizhslov. lit. vzaiem. no. 3:340-343 '63.

SLAVIC LITERATURE—HISTORY AND CRITICISM

Larchanka, M. H. [The Slavic community] Slavianskaia supol'nasts'. Minsk, Vyd-va M-va vyshejshai, siarednai spetsyial'nai i prafessial'nai adukatsyi BSSR, 1963. 237 p.

SLAVIC STUDIES

Work of the Council for Coordination of Slavic Studies. E. P. Naumov. Vop. ist. 38 no. 11:108-109 N '63.

SLAVINSKII, ADAM SIMONOVICH, 1885-1937?

Adam Slavinskii. P. Selivanau. Belarus' 20 no. 11:7 N '63.

SLAVS

Pustovoit, P. G. [Problem of Slavic character in Hertzen's conception of the world and in his works] Problema slavianskogo kharaktera v mirovozzrenii i tvorchestve Gertsena. [Moskva] Izd-vo Mosk. univ., 1963. 37 p. (V Mezhdunarodnyi s"ezd slavistov (Sofiia), *doklady*) [With summary in German]

SLEEP

Protect the sleep of your children. H. Kaliuzhyn. Rab. i sial. 39 no. 10:19 O '63.

SLEEP THERAPY

Pathological changes in adrenal glands in diphtherial intoxication during drug-induced sleep. V. D. Akhnazarova. Trudy inst. norm. i pat. fiziol. AMN SSSR 1:82-90 '56.

SLIDE RULE

Use of a slide rule in determining the energy of neutrons from the paths of recoil protons in a nuclear photoemulsion. B. M. IAkovlev, A. A. IAtis. Izv. vys. uchеb. zav., fiz. no. 3:127-130 '63.

SLOVAK LANGUAGE—PHONETICS

Studies on the language of the periodical "Slovenskje pohladi"; phonetics and morphology. N. A. Kondrashov. Slav. filol. [Mosk. un.] no. 4:142-186 '63.

SLOVAK LANGUAGE—MORPHOLOGY

Studies on the language of the periodical "Slovenskje pohladi", phonetics and morphology. N. A. Kondrashov. Slav. filol. [Mosk. un.] no. 4 142-186 '63.

SLOVAK LITERATURE—TRANSLATIONS INTO UKRAINIAN

Slovak folktales in Ukrainian translation. B. I. Halashchuk. Mizhslov. lit. vzaiem. no. 3, 329-333 '63.

SLOVAK PERIODICALS

Studies on the language of the periodical "Slovenskje pohladi"; phonetics and morphology. N. A. Kondrashov. Slav. filol. [Mosk. un.] no. 4:142-186 '63.

SLOVAKIA—MICE AS CARRIERS OF DISEASE

Significance of tularemic epizootics in the spread of infections caused by Trichophyton gypseum [with summary in English]. Karol Kleibl. Vest. derm. i ven. 37 no. 7:32-35 Jl '63.

SMALLPOX—MICROBIOLOGY

Homologous interference between active and inactivated virus in smallpox vaccine on the chorioallantoic membrane of the chick embryo [with summary in English]. O P. Peterson Li IUi [Li Yi]. Vop virus. 8 no 2 159-163 Mr-Ap '63

SMALLPOX IN ANIMALS

Study of the biological properties of cultural variants of sheep pox virus [with summary in English]. V. F. Romanenko, V. N. Siurin. Vop. virus. 8 no. 2, 224-229 Mr-Ap '63.

SMELTS see subdivision under White Sea

SMOLENSK PROVINCE—AGRICULTURE—COSTS

Gubin, E. P., ed. [Disseminate practice in reducing production costs among all collective and state farms] Opyt snizheniia sebestoimosti produktsii — vsem kolkhozam i sovkhozam. Smolensk, [Smolenskoe knizhnoe izd-vo] 1963. 87 p.

SMOLENSK PROVINCE—COURTS

Our work under new conditions. S. Nechiporenko, V. Petrov. Sov. iust. no. 21:9-10 N '63.

SMOLENSK PROVINCE—DISABILITY EVALUATION

We share our experience. P. Simonov. Sots. obesp. 24 no. 9:26-27 S '63.

SMOLENSK PROVINCE—WALL NEWSPAPERS

Wall press in progress. S. Chumakov. Part. zhizn' no. 1:59 Ja '64.

SMORGON' DISTRICT—FLAX

The voice of her heart. A. Keizarau. Belarus' 20 no. 11:20 N '63.

SMUGGLING

(see also subdivision under India)

Suitcase with a double bottom. Alla Trubnikova. Ogonek 41 no. 46:30-31 N '63.

SMUTS

Gamma irradiation of seeds before sowing increases the resistance of winter wheat to smut [with summaries in English, German, and French]. M. M. TSymbal, V. A. Chizh. Vest. sel'khoz. nauki 8 no. 6:55-57 Je '63.

SNAKES see subdivision under Asia

SNOW
(see also subdivision under Antarctic regions)

The crunch of snow. V. A. Arabadzhi, K. I. Rudik. Priroda 52 no.10:105-107 '63.

Effect of snow dampness on its properties and on the adhesion of tractors with snowy surfaces. V. I. Panov. Avt. prom. 29 no.11 32-33 N '63.

SNOW LINE see subdivision under Azerbaijan

SNOW SURVEYS see subdivision under Mirnyy Station, Antarctica

SOAKING PITS see Furnaces, Heating

SOAP INDUSTRY—EQUIPMENT AND SUPPLIES

Observations concerning the fundamental equation of statics of a vacuum chamber plant for the processing of soap stock. A. V. Zaks, M. I. Muchnik. Masl.-zhir. prom. 29 no.10 17-19 O '63.

SOBKO, VADYM MYKOLAIOVYCH, 1912-

On the move. Petro Mokhatenko. Ukraina no.9,25 My '62.

SOCCER
(see also subdivision under Great Britain)

Ahead of them lies Rome! K. I. Beskov. Ogonek 41 no.43:28-29 O '63.

Characteristics of long-range planning of instruction and training for young soccer players. S. S. Groshenkov, A. M. Chetyrko. Probl. fiz. sporta no. 2:134-141 '61

Geared for the future. B. Gurnov. Ogonek 41 no.48: 28-29 N '63.

Health problems of the young soccer player. G. M. Krakoviak. Probl. fiz. sporta no. 2:288-298 '61.

Soskin, A. M. [Our friend soccer] Nash drug futbol. Moskva, Izd-vo "Znanie," 1963 95 p.

Tenfold winners. M. Aleksandrov. Ogonek 41 no.50: 28-29 D '63.

SOCHI—TRANSPORTATION, AUTOMOTIVE

Beacon of Sochi highway transport workers. A. Podskrebova. Avt. transp. 41 no.11:8 N '63.

SOCIAL CLASSES

Economic foundations of the elimination of class distinctions. I. Vishnevetskii. Komm. Ukr. 38 no.11:10-18 N '62.

Elimination of class distinctions and the place of the intelligentsia in the social structure of Soviet society. M. N. Rutkevich. Nauch. dokl. vys. shkoly; filos. nauki 6 no.5:22-32 '63.

SOCIAL CONFLICT

Ancient philosophy and the class struggle. L. P. Marinovich. Vop. ist. 38 no.12:189 D '63.

Antihistorical ties of a bourgeois sociologist. O. S. Soroko. Vop. ist. 38 no.12:185-186 D '63.

SOCIAL INSURANCE see Insurance, Social

SOCIAL PROBLEMS
(see also subdivision under United States)

Answering the letter of an unknown girl of Tyumen'. L. Kulikova. Mol. komm. no.9:94-98 S '63.

Evdokimov, P. K. [Criminal responsibility of those who live a parasitic form of life] Otvetstvennost' lits, vedushchikh parazitícheskii obraz zhizni. Minsk, Izd-vo MVSS i PO BSSR, 1963. 48 p.

Struggle against loafers and grabbers. A. Kholiavchenko. Sots. zakon. 40 no.9:11-17 S '63.

There where indulgence reigns. I. Filenkov. Mol. komm. no.9:100-103 S '63.

SOCIAL PSYCHOLOGY

Discernment between psychology in general and social psychology. R. I. Ivanova. Uch. zap. Petrozav. gos. un. 7 no.1:101-114 '58.

SOCIAL SCIENCES

About the textbook "Social science." N. Barsukov, E. Strukov. Polit. samoobr. 7 no.8:91-97 Ag '63.

SOCIAL SCIENCES—METHODOLOGY

Methodological problems of natural and social sciences. Kommunist 40 no.16:59-64 N '63.

SOCIAL SCIENCES—STUDY AND TEACHING
(see also subdivision under Ukraine)

Contribution of "Voprosy filosofii" to the "Social science" course. Prep. ist. v shkole 18 no.6:94-95 N-D '63.

First results of teaching social sciences in schools. V. I. Mazurenko. Sov. pedag. 27 no.9:33-41 S '63.

Let's arm students with knowledge and convictions. V. D. Sundukov. Vest. vys. shkoly. 21 no.11:76-80 N '63.

The most important task of the humanities is the forming of students' communist world view. Sov. pedag. 27 no.9:3-10 S '63.

New methods are found by searching. F. I. Rozenman. Vest. vys. shkoly. 21 no.11:81-83 N '63.

Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR. ["Social science" program for secondary schools and secondary specialized schools] Programma kursa "Obshchestvovedenie" dlia srednikh shkol i srednikh spetsial'nykh uchebnykh zavedenii. Moskva, Politizdat, 1963. 22 p.

Scientific and atheistic training in social science classes. I. L. Palterovich. Prep. ist. v shkole 18 no.6:13-25 N-D '63.

SOCIALISM

Khrushchev, N. S. [Socialism and communism; from his addresses of 1956-1963] Sotsializm i kommunizm, iz vystuplenii 1956-1963 gg. Moskva, Izd-vo lit-ry na inostrannykh iazykakh, 1963. 191 p.

Lozuraitis, Albinas. [Socialist ideology] Socialistine ideologija Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1963. 55 p. [In Lithuanian]

Moscow. Institut povysheniia kvalifikatsii prepodavatelei obshchestvennykh nauk. [Political economy of socialism] Politicheskaia ekonomiia sotsializma, kurs lektsii. [Moskva] Izd-vo Moskovskogo univ., 1963. 686 p

SOCIALIST COMPETITION
(see also subdivision under Kagan'yk District, Moscow; Sverdlovsk Province, Uzbekistan, Volga-Vyatka Economic region; White Russia)

Akademiia nauk Kazakhskoi SSR, Alma-Ata, Institut istorii, arkheologii i etnografii. [For Communist labor] Za kommunisticheskii trud; materialy nauchnoi sessii. Alma-Ata, 1963. 149 p. (Its: Trudy, v 19) (CSt-H)

Berezov, V. A. [Schools of communist labor practice] Shkoly opyta kommunisticheskogo truda [Leningrad] Lenizdat, 1963. 89 p.

The best open-hearth furnace in Russia. E. Filisteev. Part. zhizn' no.21,36-39 N '63.

Blagoveshchenskaia, N. S., and V. E. Segalov. [Organization of socialist competition in an enterprise] Organizatsiia sotsialisticheskogo sorevnovaniia na predpriiatii. [Moskva] Profizdat, 1963. 94 p (Bibliotechka profsoiuznogo aktivista, no.15(63))

A club of shock workers of communist labor. V. Zaidiner. Komsom. zhizn' no.10:8-11 O '63.

Communist cooperation of collectives. G. Neronov. Sots. trud 8 no.10:21-24 O '63.

The communist labor movement in research institutes. E. Borisov, M. Tolpygo. Otv. na vop. trud. no.8:13-20 Ag '63.

Communist labor movement in the "Smychka" Canning Plant in Rostov. I. F. Berestov, N. V. Golovina, I. M. Pukhal'skii. Kons. i ov. prom. 18 no.11:3-5 N '63.

Costs of production are going down. M. N. Provodina. Put' i put. khoz. 7 no.10:22-24 '63.

First results of the competition. S. Izrailevich. Bukhg. uchet 29 no.9:45 S '63.

Food Combine of the Order of Lenin in Moscow strives to obtain the title of enterprise of communist labor. T. V. Uvarova. Kons. i ov. prom. 18 no.11,5-9 N '63.

From the work practice of communist labor brigades in the textile enterprises of Leningrad. E. A. Abramov, N. S. Zemskov. Ist. rab. klas. Len. no.1:170-181 '62.

Herringbone arrangement of milking parlors on farms. P. Petukhov. Volog. krai no.3 18-27 '62.

In winter as in summer! Appeal to all Dzhambul Province trade workers serving stock farm seasonal pastures. Koop. Kazakh. 6 no.7:37 O '63.

Live and work in the communist way. F. Kashirskii. Ekon. sel'khoz. 32 no.7:97-105 Jl '61.

Livshits, G. L. [The Nikitovka Central Coal Preparation Factory's effort for the title of a communist labor enterprise] Nikitovskaia TsOF v bor'be za zvanie predpriiatiia kommunisticheskogo truda. Moskva, Gosgortekhizdat, 1962. 70 p.

On prevholiday duty. Rech. transp. 22 no.10:6 O '63.

Organizers of socialist competition. Kh. Khalkhanov. Part. zhizn' [Uzb.] 6 no.6:56-58 Je '63.

Railroaders, beacons of socialist competition. I. I. Maksimenko. Put' i put. khoz. 7 no.10:5 '63.

Socialist competition between the enterprises of Moscow and of Leningrad. M. A. Dubrovskii. Kons. i ov. prom. 18 no.11:9-10 N '63.

Socialist competition in the enterprises of the oils, fats, perfumes, and cosmetics industry of the Moscow City Economic Council. S. M. Kozlov. Masl.-zhir. prom. 29 no.10:1-3 O '63.

Sukhinina, Z. P., and V. I. Dukhnevich. [Learn to work and live in the communist way] Uchit'sia rabotat' i zhit' po-kommunisticheski. Moskva, Metallurgizdat, 1963. 29 p. (Osnovy ekonomiki predpriiatii chernoi metallurgii)

SOCIALIST COMPETITION—CONGRESSES

Vsesoiuznoe soveshchanie peredovikov dvizheniia za kommunisticheskii trud, Moskva, 1963. [Guards of the builders of communism] Gvardiia stroitelei kommunizma. [Moskva] Profizdat, 1963. 303 p.

SOCIALIST PARTIES

The forces of international opportunism and their tactical position in the question of war and peace, February-October 1917 [with summary in English, p. 222]. S. A. Mogilevskii. Vop. ist. 38 no.12:103-114 D '63.

SOCIALIST PARTY see subdivision under France

SOCIALIST PROPERTY
(see also subdivision under Kazakhstan)

Not state but people's property. A. Dorokhov. Agitator no.21 16-20 N '63.

Public property if sacred and inviolable. Uchet i fin. v kolkhoz. i sovkhoz. 20 no.10:2-3 O '63.

SOCIETIES see subdivision under Uzbekistan

SOCIETY, PRIMITIVE

"Origin of human society" by Iu. I. Semenov. Reviewed by V. Alekseev, L. Fainberg. Sov. etn. no.5:147-149 S-O '63.

A remarkable study on the origin of human society. M. B. Turovskii. Nauch. dokl. vys. shkoly, filos. nauki 6 no.1:127-130 '63.

SOCIOLOGY

Historical development of the philosophical concept of "alienation." I. S. Narskii. Nauch. dokl. vys. shkoly, filos. nauki 6 no.4,97-106 '63.

SOCIOLOGY—STUDY AND TEACHING

First steps of the laboratory. N. Kurochkin. Vest. Mosk. un. Ser. 8: Ekon., filos. 18 no.6:101-103 N-D '63.

SODIUM—ANALYSIS

Determination of sodium in metallic tungsten by the radioactivation method [with summary in English]. V. I. Spitsyn and others. Zhur. anal. khim. 18 no.10: 1272-1273 O '63.

SODIUM CHLORIDE CRYSTALS—OPTICAL PROPERTIES

Effects of the increase in brightness of optical flashes in pure NaCl crystals. I. A. Parfianovich, V. G. Krongauz, E. I. Shuraleva. Izv. vys. ucheb. zav.; fiz. no.3:66-70 '63.

SODIUM IN THE BODY

Dynamic study of sodium and potassium electrolytes in patients with various surgical diseases [with summary in English]. A. N. Bakulev, R. G. Ambartsumian. Vest. khir. 91 no.7:3-7 Jl '63.

SODIUM PYROSULFATE

Using sodium pyrosulfite and pyrosulfate for preserving wheat for food. N. I. Sosedov and others. Trudy VNIIZ no.43:165-173 '63.

SODIUM PYROSULFITE

Effect of sodium metabisulfite on the bacterial flora of silage. N. Chukanov Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7 22-26 '63.

Using sodium pyrosulfite and pyrosulfate for preserving wheat for food. N. I. Sosedov and others. Trudy VNIIZ no.43:165-173 '63.

SODIUM SALTS

Analysis of the system $NaCl - KCl - Na_2CO_3 - H_2O$ according to two properties. B. V. Emel'ianov, V. I. Smirnov, L. M. TSypkina. Zav. lab. 29 no.10:1174-1175 '63.

SODIUM SILICATES

Refining of sunflower seed oil with sodium silicate. T. A. Indeikina, M. V. Boldyreva. Masl.-zhir. prom. 29 no.10:33-35 O '63.

Thermographic study of sodium and lithium silicates. M. A. Matveev. Trudy MKHTI no.37:49-57 '62.

SODIUM SULFITES

Some data on the effect of sodium bisulfite on the wetting of corn kernels. T. N. Maslennikova, D. T. Solov'ev. Trudy TSNIIKPP no.6,92-99 '63.

SODIUM THIOSULFATE—THERAPEUTIC USE

Treatment of senile cataract with sodium thiosulfate. A. G. Petrov. Zdrav. Bel. 9 no.3:54-56 Mr '63

SODIUM TRIPHOSPHATES

Sodium tripolyphosphate treatment of the water for the circulating systems of water coolers. V. P. Taeffler. Koks i khim. no.11:54-57 '63.

SOIL, MINERALS IN see Minerals in soil

SOIL, PODZOLIC see Podzol

SOIL CHEMISTRY see subdivision under Oka Valley

SOIL CONSERVATION

Great contribution to soil erosion control; about A. S. Kozmenko. A. V. Al'benskii, T. F. Antropov, G. P. Surmach. Vest. sel'khoz. nauki 8 no.6:145-148 Je '63.

SOIL FAUNA see subdivision under Kiyas'ma Valley

SOIL FERTILITY see subdivision under Ukraine; Yemetsk region

SOIL FORMATION see subdivision under Albania; Khanty-Mansiysk National Area; Northern Dvina Valley; Volga Valley

SOIL MECHANICS

[illegible] stating possible deformations of sagging foundations and selecting construction measures. V. A. Zhurbitskii, V. P. Ananiev, Z. S. Ukolova. Osn., fund. i mekh. grun. 5 no. 6 23-25 '63.

Compilation of deformations in layers of a clay and sand base being compacted, from field experiment material. M. G. Efremov, P. A. Konovalov, V. V. Mikheev. Osn., fund. i mekh. grun. 5 no. 6:5-7 '63.

Errors in interpreting the results of the study of soils in a stabilometer. A. A. Grigorian. Osn., fund. i mekh. grun. 5 no. 6:26-28 '63.

Theory of a building on nonuniformly compressed soils. A. M. Popov. Osn., fund. i mekh. grun. 5 no. 6:14-16 '63.

A problem on soil mechanics. M. Lotkov. Inzh. zhur. 3 no. 4:214-221 '63.

Testing of an experimental soil packing machine with pneumatic-impulse action. D. A. Trifonov-IAkovlev, Sh. Amanov, M. V. Tokarev. Energ. stroi. no. 16:27-31 '60.

SOIL MICRO-ORGANISMS see subdivision under Alma-Ata Province; Klyaz'ma Valley

SOIL MOISTURE
(see also subdivision under Kazakhstan; Meshchera; Penza Province; Ukraine; Volga Valley)

Movement of vaporous moisture in soil [with summary in English]. M. M. Abramova. Pochvovedenie no. 10: 49-53 O '63.

Using deuterium for studying the movement of surface and subsoil waters [with summary in English]. IU. A. Polikov and others. Pochvovedenie no. 11:97-103 N '63.

SOIL PERCOLATION

Lisiko, I. I. [Solution of percolation problems by the method of integrable representations] Reshenie fil'tratsionnykh zadach metodom summarnykh predstavlenii. [Kiev] Izd-vo Kievskogo univ., 1963. 173 p.

SOIL PHYSICS
(see also subdivision under Kazakhstan)

Shear strength, the coefficient of friction, and the cohesion of dark chestnut soils and southern Chernozem soils [with summary in English]. P. U. Bakhtin, I. N. Nikolaeva, V. I. Velotskaia. Pochvovedenie no. 11: 68-78 N '63.

SOIL SCIENCE

Gerasha, I. F. [Soil science and the fundamentals of geology] Pochvovedenie s osnovami geologii. Moskva, Sel'khozizdat, 1963. 256 p. (Uchebniki i uchebnye posobiia dlia sel'skokhoziaistvennykh tekhnikumov)

Selected works in two volumes by G. N. Vysotskii. Reviewed by A. F. Rotmistrov. Pochvovedenie no. 10:105 O '63.

SOIL STABILIZATION

Compactness indicator of a rolled layer. IU. P. Kuznetsov, V. A. Ilikhter. Stroi. i dor. mash. 8 no. 11:23-25 N '63.

Distribution of stresses, deformations, and compactness of soil sediments in soils undergoing compaction by ramming plates. L. M. Bobylev. Osn., fund. i mekh. grun. 5 no. 6:1-4 '63.

SOIL STRUCTURE—CONGRESSES

Works in the field of soil micromorphology; review of the work of a symposium [with summary in English]. F. A. IArilova. Pochvovedenie no. 11:104-110 N '63.

SOILS see subdivision under Chu Valley; Karaganda region; Karelia; Kelmen' Range region; Moscow; Moskva Valley

SOILS—ABSTRACTS
[Soil science] Ref. zhur.; Pochv. nos. 22-24 N-D '63.

SOILS—ALUMINUM CONTENT

Effect of lime and organic-mineral mixtures in increasing the yield of corn. T. A. Orlikova. Dokl. TSKHA no. 47:57-63 '59.

SOILS—ANALYSIS see subdivision under Faddey Island

SOILS—BIBLIOGRAPHY see Bibliography—Soils

SOILS—CLASSIFICATION
(see also subdivision under Kazakhstan; White Russia)

Scientific bases of land classification according to its crop producing ability. K. V. Zvorykin. Geog. i khoz. no. 12:3-8 '63.

SOILS—ELECTRIC PROPERTIES

Results of measuring the electrical conductivity of soils in the U. S. S. R. Radio no. 9:40-43, 45 S '63.

SOILS—IODINE CONTENT see subdivision under Amur Valley

SOILS—MAPS
(see also subdivision under Estonia; Vologda Province)

Contents of the legend of a large-scale soil map. I. P. Grechin and others. Dokl. TSKHA no. 47:241-246 '59.

SOILS—MERCURY CONTENT

Determining mercury in soils [with summary in English] A. E. Vasilevskaia, V. P. Shcherbakov. Pochvovedenie no. 10:96-97 O '63.

SOILS—NITROGEN CONTENT

Dynamics of nitrogen in soil after the application of ammonia water. P. M. Smirnov, E. I. Fedicheva. Dokl. TSKHA no. 47 65-70 '59.

Effect of green and farm manures on the dynamics of readily hydrolizing nitrogen and soil phosphates accessible to plants. V. E. Shevchuk. Izv. ISKHI no. 14:73-83 '59.

SOILS—PHOSPHORUS CONTENT

Effect of green and farm manures on the dynamics of readily hydrolizing nitrogen and soil phosphates accessible to plants. V. E. Shevchuk. Izv. ISKHI no. 14 73-83 '59.

Features of the group composition of phosphates in Chernozem soils in connection with temporary reduction processes in them. I. S Kaurichev, E P. Andratskaia Dokl. TSKHA no. 47.247-252 '59.

SOILS—POTASSIUM CONTENT

Change of the forms of potassium in turf-Podzolic soil in connection with prolonged use of fertilizers under winter rye and potatoes. A V. Peterburgskii, F. V. IAnishevskii. Dokl. TSKHA no. 47:13-19 '59

SOILS—SODIUM CONTENT

Mobility of exchangeable sodium and recommended norms for the use of gypsum in the improvement of Solonetz soils (with summary in English). G. N. Sambur. Pochvovedenie no. 11:35-46 N '63.

SOILS AND CROPS see Crops and soils

SOKOLOVA-PONOMAREVA, OL'GA DMITRIEVNA, 1868-

Anniversary. Pediatriia 41 no. 7:81-82 Jl '63.

SOLAR BATTERIES

Some problems in calculating the efficiency of a solar thermoelectric generator. B. Arazmedov. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:16-23 '62.

SOLAR ENERGY

On the front line of a daring dream. H. Pokrovs'kyi, IU. Moralevych. Nauka i zhyttia 13 no. 10:56-59 N '63.

SOLAR FLARES

Effects observed in the F^2 ionospheric layer during solar flares. I. N. Odintsova. Geomag. i aer. 3 no. 6:1131-1132 N-D '63.

SOLAR RADIATION
(see also subdivision under Antarctic regions)

Appearance of nonthermal continuous emission in the solar atmosphere [with summary in English]. V. A. Krat, L. M. Pravdiuk. Izv. GAO 23 no. 2:17-27 '63.

Azimuthal angular distribution of atmospheric shower particles. S. A. Azimov and others. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk no. 6:65-76 '61.

Coherent Cherenkov and magnetodeceleration instabilities of solar corpuscular streams. M. S. Kovner, I. M. Chertok. Geomag. i aer. 3 no. 6:1014-1020 N-D '63.

Effect of the solar corpuscular stream on the earth's magnetosphere. E. I. Mogilevskii. Geomag. i aer. 3 no. 5:1001-1013 N-D '63.

Results of the observation of radio spots on the sun at the wavelength $\lambda = 5$ m. [with summary in English]. L. I. Matveenko. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4:660-668 '63.

Role of solar cosmic rays in the formation of the electron component of the earth's radiation belts. A. I. Ershkovich. Izv. AN SSSR. Ser. geofiz. no. 10:1601-1603 O '63.

Shock wave ahead of the earth and its effect on the radiation belts. M. A. Ginzburg. Geomag. i aer. 3 no. 6:1127-1128 N-D '63.

Short period disturbances of solar activity and the possible causes of the nonuniformity of their relationship with the oscillations of hydrometeorological elements. B. A. Sleptsov-Shevlevich. Probl. Arkt. i Antark. no. 14: 41-46 '63.

Solar corpuscular streams and families of geomagnetic storms during the flight of "Mariner-2" preliminary report. V. I. Afanas'ev. Geomag. i aer. 3 no. 6:1126-1127 N-D '63.

SOLAR SPECTRUM see Spectrum, Solar

SOLAR SYSTEM—OBSERVATIONS

Right ascensions of the sun, the moon, lunar crater Moesting A and major planets from the observations at the Nikolaev Observatory in 1960 [with summary in English]. V. IA. Brovenko and others. Izv. GAO 23 no. 1:65-73 '62.

SOLDATO-ALEKSANDROVSKOYE (STAVROPOL TERRITORY)—RESTAURANTS, LUNCHROOMS, ETC.

Real satisfaction. V. Basova. Sov. potreb. koop 7 no. 10:9-10 O '63.

SOLDER AND SOLDERING

Soldering hard-alloy plates with tableted solder. L. N. Chernov. Stan. i instr. 34 no. 11.36 N '63

SOLDIERS

From a Soviet soldier's mail. A Ivanov and others. Sov. voin 45 no. 19 24-25 O '63.

From a Soviet soldier's mail. Sov. voin. 45 no. 22 29 N '63.

On the road of daring and glory. I Gaglov. Sov. voin 45 no. 19 6-7 O '63.

SOLDIERS—RECREATION

And your opinion? IU. Nekrasov and others. Sov. voin. 45 no. 22 42 N '63.

On morale themes. I. Georgadze and others. Sov. voin 45 no. 14-44-45 Jl '63.

The whole company participates in the concert. E. Zizina. Sov. voin 44 no. 2 43-44 Ja '62.

SOLDIERS AS AUTHORS

Forces of youth. I. Tret'iakov. Sov. voin 44 no. 2:18 Ja '62.

SOLENOIDS

Automatic orientation of parts in solenoid coils. V. A. IAkhimovich. Stan. i instr. 34 no. 11:15-19 N '63.

SOLID FILM

Detectability of residual dielectric films on metal surfaces. P. N. Chistiakov. Zhur. tekh. fiz. 33 no. 11: 1395-1396 N '63.

Production of dielectric films on the basis of titanium-containing substances K A Vodop'ianov, A I Korobo. Izv vys ucheb zav., fiz no 3 166-171 '63

SOLID GEOMETRY see Geometry, Solid

SOLID PROPELLANT ROCKETS

Sokol'skii, V. N. [Solid fuel rockets in Russia] Rakety na tverdom toplive v Rossii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 285 p.

SOLID SOLUTIONS see Solutions, Solid

SOLIDIFICATION

Processes in alloys in the solidification range. V. P. Kalenov. Lit. proizv. no. 10.31-33 O '63.

SOLIGORSK—POTASH INDUSTRY—HYGIENIC ASPECTS

Decrease of morbidity among workers of the Soligorsk Potassium Combine. K. E Moleshko. Zdrav Bel 9 no 3-42-43 Mr '63.

SOLIGORSK REGION—POTASSIUM SALTS

Chamber mining with roof support by removable bolts. N. G. Luk'ianov. Khim. prom. no. 9.710-712 S '63.

SOLNECHNYY (KHABAROVSK TERRITORY)—GROWTH

Younger brother of Komsomol'sk. V. Kharchenko. Vokrug sveta no. 11 9-11 N '63.

SOLONETZ SOILS
(see also subdivision under Aktyubinsk Province; Ishim Valley; Kazakhstan; Pavlodar Province; Ubagan Valley)

Mobility of exchangeable sodium and recommended norms for the use of gypsum in the improvement of Solonetz soils [with summary in English]. G. N. Samour. Pochvovedenie no. 11:35-46 N '63.

Review of the book "Reclaiming and increasing the productivity of Solonetz soils." V. N. Filipova. Pochvovedenie no. 10:101-103 O '63.

SOLUBILITY

Solubilization capacity of the aqueous solutions of alkyl sulfates from the alcohols of the direct oxidation of paraffins. M. P. Bespiatov, Zh. IA. Leshchenko. Trudy NIISZHIMSa no. 3:29-33 '62.

Solubility in water of melamine and some of its derivatives. V. I. Zagranichnyi, Z. A. Poliakova. Khim. prom. no. 9:692-694 S '63.

Solubility of oxygen-nitrogen mixtures in toluene. D. S. TSiklis, L. I. Shenderei. Khim. prom. no. 9:690-691 S '63.

Universal formula for the calculation of the solubility of gases in mineral waters. M. R. Lozovskii, B. IA. Rozen. Inform. sbor. NIIGA no. 30:62-68 '62.

SOLUBLE GLASS

Obtaining soluble glass from a silicate lump in a vibration mill. M. A. Matveev. Trudy MKHTI no. 37:120-122 '62.

Rapid volumetric analysis of silicic acid in solutions of water glass. V. E. Sokolovich. Zav. lab. 29 no. 10: 1178-1179 '63.

Solution of sodium silicate with a modulus M-2, 85 in water under the action of an ultrasound field. A. P. Grishin, S. V. Goncharov, F. G. Mamulov. Khim. i tekh. topl. i masel 8 no. 11:21-22 N '63.

SOLUTION (CHEMISTRY)

Change of entropy in the transition of monoatomic ions having the structure of inert gases from the crystalline and gaseous state to solution. G. A. Krestov, Izv. vys. ucheb. zav.; khim. i. khim. tekh. 6, no. 5:754-761 '63.

Composition of the solid phase and the role of sodium in the $\beta \rightleftarrows 2CaO \cdot SiO_2$ interaction with sodium aluminate solutions. A. S. Berger. TSvet. met. 36 no. 10 50-56 O '63.

Diagrams for determining the density of aluminate sodium-alkali solutions. E. Z. Vydrevich, M. A. Zaitseva, A. N. Orlova. TSvet. met. 36 no. 10,56-60 O '63.

Graphic method for determining the molar coefficients of extinction. I. IA. Beilshtein, IU. L. Kaminskii. Opt. i spektr. 15 no. 5,705-708 N '63.

SOLUTION (CHEMISTRY)—SPECTRA

Photoelectric method of spectral analysis of solutions (with summary in English). G. I. Zhuravlev, L. I. Ryzhkova. Zhur. anal. khim. 18 no. 8:930-936 Ag '63.

SOLUTIONS, SOLID

Diffusion of carbon in its solid solutions on an iron group metal base. I. I. Kovenskii. Fiz. met. i metalloved 16 no. 4:613-614 O '63.

Kinetics of the swelling of fissionable materials caused by the separation of the gaseous phase from a supersaturated solid solution. V. M. Agranovich, E. IA. Mikhlin, L. P. Semenov. Atom. energ. 15 no. 5:393-103 N '63.

Theory of the coalescence of gas pores in swelling. L. P. Semenov. Atom. energ. 15 no. 5:404-408 N '63.

Theory of the hardening of ordered solid solutions. E. V. Kozlov, L. E. Popov. Dokl. AN SSSR 152 no. 3 595-597 S '63.

SOLVATION

Effect of solvation on the properties of anions in dipolar aprotic solvents. A. J. Parker. Usp. khim. 32 no. 10: 1270-1295 O '63.

Solvation of paramagnetic ions in alcohol aqueous solutions studied by means of nuclear magnetic resonance of high resolution. IU. A. Shamonin, S. A. IAn. Dokl. AN SSSR 152 no. 3 677-679 S '63.

SOMBART, WERNER, 1863-1941

"Werner Sombart's road from 'Katheder-Sozialismus' to fascism" [in German] by W. Krause. Reviewed by A. S. Grossman. Vop. ist. 38 no. 12:168-170 D '63.

SORPTION

Hydraulic resistance of activated carbon during the dynamic sorption. E. D Ponomarev. Masl.-zhir. prom. 29 no. 10:26-28 O '63.

Possibility of changing the texture of silicic acid xerogels in the process of vapor sorption. B. M. Mitsiuk, Z. Z. Vysotskii. Dokl. AN SSSR 152 no. 5,1166-1168 O '63.

Sorption of rare-earth cations on a cation exchanger. Part 3: Kinetics of the sorption of rare-earth elements on a KU-2 resin in ammonium and sodium forms M. E. Kornelli, I. A. Legenchenko. Ukr. khim zhur 29 no. 11:1147-1150 '63.

Study of structural changes in polyhexamethylene adipamide by the method of sorption and thermochemical measurements E. F. Nekrasch, Z. A. Samchenko Ukr. khim. zhur. 29 no. 11:1151-1155 '63

SOUND—APPARATUS

Panfilov, N. D. [Apparatuses for clubs] Apparatura kluba. Moskva, Sovetskaia Rossiia, 1963. 230 p. (Bibliotechka v pomoshch sel'skomu klubnomu rabotniku, no. 11)

SOUNDING AND SOUNDINGS

Methodology of atmospheric sounding by means of helicopters. V. I. Selitskaia, P. A. Vorontsov. Trudy GGO no. 140:17-64 '63.

Use of helicopters in sounding the lower atmospheric layers. P. A. Vorontsov, V. I. Selitskaia. Trudy GGO no. 140:3-16 '63.

SOUTH AFRICA, REPUBLIC OF—HOLIDAYS

Dingaan's Day." A. Makrushin. Az. i Afr. seg. no. 12: 30-31 D '63.

SOUTH AFRICA, REPUBLIC OF—RACE DISCRIMINATION

"Bantustans," a new venture of the racialists. IU. Aizman. Nov. vrem. 21 no. 51:19-20 D '63.

SOUTH AFRICA, REPUBLIC OF—RACE QUESTION

South African racists have intensified their persecutions. A. S. Rad. pravo no. 6:123-125 N-D '63.

SOUTH AFRICA, REPUBLIC OF—TRADE UNIONS

Verwoerd will not succeed in strangling the trade unions. TSabi Mokhale. Az. i Afr. seg. no. 12:34 D '63.

SOUTH AFRICAN WAR, 1899-1902

From the history of Anglo-Russian relations in the middle East during the initial period of the Anglo-Boer War. A. L. Vitukhnovskii. Uch. zap. Petrozav. gos. un. 7 no. 1:115-130 '58.

IUrovskaia, E. E. [Early imperialist wars] Pervye imperialisticheskie voiny. Moskva, Vysshaia shkola, 1963 97 p. (V pomoshch' studentu-istoriku)

SOUTH KAZAKHSTAN PROVINCE see Chimkent Province

SOUTHEAST ASIA TREATY ORGANIZATION

A new center of tension. S. Astakhov. Mezhdunar. zhizn' 10 no. 11: 111-112 N '63.

SOVETSK (KALININGRAD PROVINCE)—WORLD WAR, 1939-1945

Birth of the Sovetsk city. V. G. Birkovskii. Prep. ist. v shkole 18 no. 6,88 N-D '63.

SOVIET BLOC see Communist Countries

SOVIET CENTRAL ASIA—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

Propagandists as frontline fighters. Part. zhizn' [Uzb.] 6 no. 10:92-93 O '63.

SOVIET CENTRAL ASIA—CUSTOMARY LAW

"Kaitarma." M. Korshik. Sots. zakon. 40 no. 9:80-81 S '63.

SOVIET CENTRAL ASIA—ECONOMIC CONDITIONS

The united economic region of Central Asia. V. Fomicheva. Part. zhizn' [Uzb.] 6 no. 6:32-37 Je '63

SOVIET CENTRAL ASIA—FAMILY

Some problems concerning the disintegration of large families among the nations which bypassed the capitalist stage of historical development, based on the materials of Central Asia and Kazakhstan. B. K. Kozhamuratov. Trudy Inst. filos. i prava AN Kazakh. SSR 8 82-107 '63.

SOVIET CENTRAL ASIA—FLEAS AS CARRIERS OF DISEASE

Epizootiological role of the fleas of greater gerbils. Report No. 4. Xenophylla skrjabini Ioff 1928. V. A. Bibikova, V. I. Medvedevskikh, S. S. Dankov. Med. paraz. i paraz. bol. 32 no. 5:622 S-O '63.

SOVIET CENTRAL ASIA—GEOLOGY

Akademiia nauk Uzbekskoi SSR, Tashkent. Otdelenie geologo-khimicheskikh nauk. [Problems of the geology of Central Asia and Kazakhstan] Voprosy geologii Srednei Azii i Kazakhstana. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 148 p.

SOVIET CENTRAL ASIA—GEOLOGY, STRATIGRAPHIC

Miklukho-Maklai, A. D. [Upper Paleozoic of Central Asia] Verkhnii paleozoi Srednei Azii. [Moskva] Izd-vo Mosk. univ., 1963. 327 p.

———— Maps.

SOVIET CENTRAL ASIA—GEOLOGY, STRUCTURAL

Some regularities in the development of neotectonic shifts in Central Asia and adjacent areas. K. V. Kurdiukov. Dokl. AN SSSR 152 no. 3 695-698 S '63.

SOVIET CENTRAL ASIA—HISTORY

Indian contacts with Central Asia in the second half of the 19th century. L. G. Dmitriev. Ist. arkh. 8 no. 3: 196-200 My-Je '62.

SOVIET CENTRAL ASIA—LAKES

L. S. Berg as a hydrologist. A. T. Il'iasov. Izv. Kir. fil. Geog. ob-va SSSR no. 4:39-43 '63.

SOVIET CENTRAL ASIA—ORE DRESSING

Prospects for the use of ore dressing in heavy suspensions in mining enterprises of the Central Asiatic Economic Region. K. S. TSvetkov. TSvet. met. 36 no. 10:6-8 O '63.

SOVIET CENTRAL ASIA—PETROLEUM CHEMICALS

Sergienko, S. R., ed. [Petrochemistry] Neftekhimiia. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 340 p.

SOVIET CENTRAL ASIA—PROSPECTING—GEOPHYSICAL METHODS

Regional geophysical studies in central Asia and their further trends. B. S. Vol'vovskii and others. Sov. geol. 6 no. 12:112-117 D '63.

SOVIET CENTRAL ASIA—TRANSPORTATION

Condition of transportation geography and the interregional relations of Central Asia. V. F. Pavlenko. Geog. i khoz. no. 12:43-48 '63.

SOVIET FAR EAST—LITERARY JOURNEYS

On a distant shore. Igor' Zolotusskii. Znamia 33 no. 6: 204-217 Je '63.

SOVIET FAR EAST—LONGEVITY

Berdyshev, G. D. [The longevity problem in Siberia and the Far East] Problema dolgoletiia v Sibiri i na Dal'nem Vostoke. Novosibirsk, Izd-vo Sibirskogo otd-niia Akad. nauk SSSR, 1963. 77 p.

SOVIET FAR EAST—NATURE STUDY

Eesti NSV Teaduste Akademiia. [Study of nature in the Far East] Issledovanie prirody Dal'nego Vostoka. Tallin, 1963. 306 p. [With summaries in Estonian and English]

SOVIET FAR EAST—NAUTICAL TRAINING SCHOOLS

In the Far Eastern Naval School. D. M. Krivoshchekov. Sred. spets. obr. 10 no. 11:41-42 N '63.

SOVIET FAR EAST—SHIPPING

Conference on the experience of operating new ships in the Far-Eastern Basin. V. S. Antonenko. Sudostroenie 29 no. 10:80 O '63.

SOVIET UNION see Russia

SOVIETS
(see also subdivision under Azerbaijan)

Rights and duties of the deputies of the soviets. T. Hertsiuk. Rad. pravo no 6:33-35 N-D '63.

Russia (1923- U. S. S. R.) Verkhovnyi Sovet. Prezidium. Otdel po voprosam raboty Sovetov. [Results of the 1963 elections to the Supreme Soviets of the Union, the Autonomous Republics and the local soviets of workers deputies, and the composition of these organs, statistical data] Itogi vyborov i sostav deputatov Verkhovnykh Sovetov soiuznykh, avtonomnykh respublik i mestnykh Sovetov deputatov trudiashchikhsia 1963 g.; statisticheskii sbornik. Moskva, "Izvestiia," 1963. 222 p.

Solov'eva, S. V. [Permanent commissions of the local soviets at a new stage] Postoiannye komissii mestnykh Sovetov na novom etape. Moskva, Izd-vo VPSh i AON, 1963. 83 p.

V. I. Lenin on the work of the soviets. V. Vorontsov. Part. zhizn' no. 1:73-77 Ja '64.

SOYBEAN—DISEASES AND PESTS
(see also subdivision under Ukraine)

Effect of some physical factors on the pathogens of bacterioses in soybean seeds [with summary in English]. M. V. Krasnova. Mikrobiol. zhur. 25 no. 5 50-52 '63.

SPACE BIOLOGY

There are green sparks on the screen. A. Golikov, I. Kasian. Ogonek 41 no. 50:2 D '63.

SPACE BIOLOGY—CONGRESSES

Discussion on the problems of space biology. G. N. Kaltenfeld. Izv. Vses. geog. ob-va 95 no. 5:474-476 S-O 63.

SPACE FLIGHT

Mechanics of space flight with low thrust. Part 2. G. L. Grodzovskii, IU. N. Ivanov, V. V. Tokarev. Inzh. zhur. 3 no. 4:748-766 '63.

Steps to the great space. A. Runov. Grazhd. av. 20 no. 10,13-15 O '63.

Znanienskii, V. A. [On the way to other planets] Put' k drugim planetam. Voronezh, Izd-vo Voronezhskogo univ., 1963. 61 p.

SPACE FLIGHT—PHYSIOLOGICAL EFFECT

New types of chromosome rearrangements in the microspores of Tradescantia paludosa under the influence of certain factors during spaceship flights. N. L. Delone and others. Dokl. AN SSSR 152 no. 5:1227-1230 O '63.

SPACE FLIGHT TO MARS

Nevertheless we shall fly to Mars! G. Smirnov. IUn. tekh. 8 no. 11:13-18 N '63.

Outer-space diploma of a student. Tekh. mol. 31 no. 11: 31 '63.

SPACE LAW

Akademiia nauk SSSR. Komissiia po pravovym voprosam mezhplanetnogo prostranstva. [Space and international cooperation] Kosmos i mezhdunarodnoe sotrudnichestvo. Moskva, Izd-vo in-ta mezhdunarodnykh otnoshenii, 1963. 254 p.

SPACE VEHICLES

"Controlled space vehicle." A. S. Predvoditelev. Agitator no. 22,12-14 N '63.

SPACES, GENERALIZED

Application of the calculus of tensors and the geometry of Riemann space to linear bound systems. A. V. Berendeev. Izv. LETI no. 47:143-156 '62.

Representations of linear continuous operators by abstract functions, and the embedding theorems. V. B. Korotkov. Dokl. AN SSSR 153 no. 2:262-265 N '63.

SPACESHIPS

"Flight-1," a ship obedient to man. Sov. voin. 45 no. 23: 1 N '63.

Food for apparatus. A. Kichatov. Tekh. mol. 31 no. 11: 34-36 '63.

SPAIN—CIVIL WAR, 1936-1939—PERSONAL NARRATIVES

Ibarruri, Dolores. [The only road. Translated from the Spanish] Edinstvennyi put'. Moskva, Gos. izd-vo polit. lit-ry, 1962. 462 p.
(NNC)

SPAIN—STRIKES AND LOCKOUTS—MINERS

The story of an Asturian miner. Jose Valasco. Nov. vrem. 21 no. 47:16-17 N '63.

SPANISH AMERICA see Latin America

SPANISH REFUGEES see Refugees, Spanish

SPARK-EROSION MACHINING see Electric metal cutting

SPEARS see subdivision under Baltic Sea region

SPECIFIC HEAT see Heat capacity

SPECTACLES see Eyeglasses

SPECTROGRAPH

Spectrofluorimeter for the visible region of the spectrum. A. A. Nevmanskii, B. G. Belonenkii. Zav. lab. 29 no. 11: 1391-1393 '63.

SPECTROMETER

Attachment to the UR-3 X-ray goniometer for operation in the regime of a biprism spectrometer. V. T. TSygan, V. G. Fomin, M. A. Gurevich. Zav. lab. 29 no. 11:1383-1384 '63.

Design of a magnetic spectrometer with circular outline. N. G. Afanas'ev, A. V. Vynotskaia, V. A. Gol'dshtein. Prib. i tekh. eksp. 8 no. 5:30-33 S-O '63.

Operation of time-delay electronic collimators in case the specimen is coated with a thin inactive film. V. F. Mikhailov. Prib. i tekh. eksp. 8 no. 5:49-50 S-O '63.

Spectrometer for studying electron paramagnetic resonance in solids at low temperatures. A. A. Bugai, M. A. Ruban. Zav. lab. 29 no. 11:1370-1370 '63.

Use of the IKS-12 spectrometer for investigating spectra of gases. A. P. P'Ippov. Zav. lab. 29 no. 11:1379-1380 '63.

SPECTROMETRY

Single-band superhigh-frequency modulator used as a heterodyne in a spectrometer for measuring electron paramagnetic resonance. M. A. Ruban. Prib. i tekh. eksp. 8 no. 4:103-106 Jl-Ag '63.

Use of the nuclear quadrupole resonance method in studying phase transitions in certain crystals. V. S. Grechishkin, G. B. Soifer, Iu. G. Svetlov. Izv. vys. uchab. zav.; fiz. no. 5:32-38 '63.

SPECTROPHOTOMETRY
(see also subdivision under Turkmenistan)

Check for the photometric scale of double-beam infrared apparatus. E. V. Broun, A. V. Iogansen. Zav. lab. 29 no. 10:1204-1206 '63.

Determination of the spectrophotometric gradients of A-type stars by the photoelectric method [with summary in English]. O. A. Mel'nikov and others. Izv. GAO 23 no. 2:60-71 '63.

Spectrophotometric determination of microimpurities in picric acid and dinitrophenols. G. I. Romantsova. Zav. lab. 29 no. 11:1307-1309 '63.

Spectrophotometric study of the ripening of perfumery liquids. G. N. Kasparov, A. F. Politkov, E. N. Shapovalov. Masl.-zhir. prom. 29 no. 11:33-36 N '63.

SPECTROPOLARIMETRY

Spectropolarimetric analysis. Report No. 3: Determination of isomeric nitrobenzaldehydes in their mixtures [with summary in English]. V. M. Potapov, L. I. Lazutina, A. P. Terent'ev. Zhur. anal. khim. 18 no. 8:1003-1006 Ag '63.

SPECTROSCOPE

Spectroscope for observing paramagnetic resonance at a temperature below 1°K. V. B. Fedorov. Prib. i tekh. eksp. 8 no. 4:100-103 Jl-Ag '63.

SPECTRUM, INFRARED

Intensity of the infrared absorption line on impurity oscillations. D. N. Mirlin, I. I. Reshina. Fiz. tver. tela 5 no. 11:3352-3353 N '63.

Transparency of gases in the infrared region of the spectrum at small distances. B. P. Kozyrev, A. V. Mexenov. Izv. vys. uchab. zav.; fiz. no. 3:18-22 '63.

SPECTRUM, SOLAR

Effect of atmospheric pressure on the half-width of oxygen lines in the 1.27μ band [with summary in English]. N. I. Kozhevnikov, E. A. Makarova, G. F. Sitnik. Astron. zhur. 40 no. 6:1095-1100 N-D '63.

Excitation of sodium and helium atoms and calcium ions (CaII) in an active prominence [with summary in English]. V. A. Krat, M. N. Stolanova. Izv. GAO 23 no. 2:42-49 '63.

Photoelectric photometry of the K and H CaII lines in the spectra of the total solar disk and the central disk area [with summary in English]. O. A. Mel'nikov, N. F. Kuprevich, L. N. Zhukova. Izv. GAO 23 no. 2:72-75 '63.

Shifts and broadening of Fraunhofer lines [with summary in English]. L. A. Aslanov. Astron. zhur. 40 no. 6:1036-1046 N-D '63.

Stationary distribution of HeII atoms in sublevels and the intensities of the HeII lines [with summary in English]. V. M. Sobolev. Izv. GAO 23 no. 2:28-41 '63.

SPECTRUM ANALYSIS

Determining the spectrum of particles of a disperse system from its transmittance. Part 2. K. S. Shifrin, A. IA. Perel'man. Opt. i spektr. 15 no. 5:867-875 N '63.

Differential diagnosis of live-born and stillborn infants by the method of emission spectrum analysis. G. A. Pashinian. Sud.-med. ekspert. 6 no. 4:30-32 O-D '63.

Effect of nitric acid on the results of the spectral analysis of solutions. Kh. I. Zil'bershtein, O. N. Nikitina. Zav. lab. 29 no. 11:1323 '63.

Excitation of spectra in the universal method of quantitative determination of elements [with summary in English]. N. B. Kubasova, G. I. Kibisov. Zhur. anal. khim. 18 no. 10:1184-1191 O '63.

Method for the spectral analysis of the chemical element composition of corn kernels. M. A. Zhdanova, F. I. Trishin. Izv. vys. ucheb. zav., pishch. tekh. no. 5: 143-146 '63.

Quantitative spectrum determination of nickel, cobalt, and copper in ore and minerals. R. S. Rubinovich, N. IA. Zolotareva. Inform. sbor. NIIGA no. 30 52-62 '62.

Rapid chemical concentration of silicon in the preparation of samples for spectral analysis. Kh. I. Zil'bershtein and others. Zav. lab. 29 no. 10:1266-1267 '63.

Spectrum determination of impurities in galenites. L. I. Sosnovskaia. Trudy IMGRE no. 18:186-189 '63.

Using emission spectrum analysis for determining microelements in biological objects. S. A. Shipitsyn. Izv. IGKHI no. 14:5-9 '59.

SPECTRUM ANALYSIS—CONGRESSES

Ural Conference on Spectroscopy. S. G. Bogomolov, R. I. Gudkina, A. B. Shaevich. Zav. lab. 29 no. 11:1400-1401 '63.

SPEECH

Some data on the mathematical treatment of muscular verbal stereotypes. K. M. Shteingart, F. M. Gol'tsman. Dokl. AN SSSR 152 no. 5:1235-1236 O '63.

Zhinkin, N. I., and F. N. Shemiakin, eds. [Thought and speech] Myshlenie i rech'. Moskva, Izd-vo APN RSFSR, 1963. 270 p.

SPEECH THERAPY

Children's speech. V. I. Seliverstov. Zdorov'e 9 no. 10:14-15 O '63.

Development of sonorous speech following complete laryngectomy in patients with cancer. M. I. Svetlakov, N. L. Pinegina. Vop. klin. pat. no. 2:46-51 '61.

SPINAL ANESTHESIA

Experience in the use of peridural anesthesia [with summary in English]. N. I. Zhuravleva. Khirurgiia 39 no. 7:93-99 Jl '63.

Hemodynamic and oxyhemometric changes in surgical interventions under spinal anesthesia. P. S. Tkach. Ortop., travm. i protez. 24 no. 6:30-36 Je '63.

Is subarachnoid introduction of caffeine expedient in apnoea during high cerebrospinal anesthesia [with summary in English]? S. A. Geshelin. Khirurgiia 39 no. 7:71-78 Jl '63.

SPINAL CORD—DISEASES

Compression of the spinal cord in scoliosis. IA. B. Kutsenok. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:93-94 '59.

Differential diagnosis of myelodisplasia. A. V. Zenchenko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 89-91 '59.

SPINAL CORD—TUMORS

Clinical aspects of "hourglass" tumors of the spinal cord. T. S. Krestovnikova. Vop. klin. pat. no. 2:18-23 '61.

Surgical treatment of tumors of the spinal cord. N. I. Mikhov. Vop. klin. pat. no. 2:10-17 '61.

Tomography in the treatment of tumors of the spinal cord. A. A. Bazhenova. Vop. klin. pat. no. 2:24-29 '61.

SPINAL CORD—WOUNDS AND INJURIES

Kasatkin, M. R. [Urological aid in lesions of the spinal cord] Urologicheskaia pomoshch' pri travme spinnogo mozga. Moskva, Medgiz, 1963. 101 p. (Biblioteka prakticheskogo vracha)
(DNLM)

SPINAL NERVES see Nerves, Spinal

SPINE—ABNORMITIES AND DEFORMITIES

Apparatotherapy in paralytic scoliosis. A. E. TSukerman. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:41-47 '59.

Compression of the spinal cord in scoliosis. IA. B. Kutsenok. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:93-94 '59.

Deforming spondylosis. M. D. Mikhel'man. Med. sestra 22 no. 10:28-30 O '63.

Method of examining and treating patients with paralytic scoliosis in conjunction with paralysis of the legs. E. D. Ivanenkova, L. G. Kapichnikova. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 79-83 '59.

Reizman, A. M., and F. I. Bagrov. [Exercise therapy and massage in scoliosis] Lechebnaia gimnastika i massazh pri skoliozakh. Moskva, Medgiz, 1963. 139 p. (DNLM)

SPINE—BLOOD SUPPLY

Anatomy of the spinal veins. G. V. Kozlova. Trudy Khab. med. inst. 23 no. 2 27-30 '62.

SPINE—DISEASES

"Lateral curvature of the spine in children" by L. I. Shulutov. Reviewed by N. A. Gerasimova. Kaz. med. zhur. no. 5 105-106 S-O '63.

SPINE—RADIOGRAPHY

Tomography in the treatment of tumors of the spinal cord. A. A. Bazhenova. Vop. klin. pat. no. 2:24-29 '61.

SPINE—SURGERY

Surgical fixation in spine injuries. A. K. Prikhod'ko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 183-188 '59.

SPINE—WOUNDS AND INJURIES

Surgical fixation in spine injuries. A. K. Prikhod'ko. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15 183-188 '59.

SPINNING—HYGIENIC ASPECTS

Physiological and hygienic characteristics of the conditions, the working regime and the rest periods of female spinners [with summary in English]. S. L. Gorshkov, N. P. Kalinina. Gig. truda i prof. zab. 7 no. 1:29-36 Ja '63.

SPINNING MACHINERY

Proshkov, A. F. [Study and design of winding mechanisms] Issledovanie i proektirovanie motal'nykh mekhanizmov. Moskva, Mashgiz, 1963. 314 p.

SPIRILLACEAE

A new bacterium from the genus Microcyclus. B. V. Gromov. Dokl. AN SSSR 152 no. 3:733-734 S '63.

SPIROCHETOSIS

Once more on the detection of non-syphilitic spirochetes in regional lymph nodes. L. L. Il'in, A. N. Baranova, L. I. Borisova. Vest. derm. i ven. 37 no. 7:78-79 Jl '63.

SPLEEN

Function of the spleen. Klin. med. 40 no. 11:28-32 N '62.

Phosphoprotein phosphatase and phosphatase activity of protein fractions from a hog's spleen [with summary in English]. N. A. Fedorova, A. I. Komkova. Vest. LGU 18 no. 21:168-171 '63.

Specific biosynthesis of antibodies induced by ribonucleic acid from the lymphatic nodes and spleen of immune rabbits. B. B. Fuks and others. Dokl. AN SSSR 153 no. 2:485-488 N '63.

SPLEEN—DISEASES

Suppurative peritonitis as a complication of spleen infarction in septic endocarditis. V. I. Reikhel', D. M. Liberzon. Pediatriia 41 no. 7 71-72 Jl '63

SPLEEN—SURGERY

Emergency splenectomy for uterine hemorrhage in Werlhof's disease. Iu. M. Khomiakov, T. I. Popova. Akush. i gin. 39 no. 4:78-79 Jl-Ag '63.

SPLENIC ARTERY

Possibility of using the splenic artery for the blood supply of the left kidney [with summary in English]. S. I. Elizarovskii. Vest. khir. 90 no. 6:55-60 Je '63.

SPLENIN

Komissarenko, V. P. [Splenin, its biological and therapeutic properties] Splenin, biologicheskie i lechebnye svoistva. Kiev, Izd-vo Akad. nauk USSR, 1963. 40 p. (Nauchno-populiarnaia literatura)
(DNLM)

SPORES (BOTANY), FOSSIL

Spores and pollens. L. L. Driagina and others. Trudy SNIIGGIMS no. 21:247-260 '62.

SPORTS
(see also subdivision under Chuvashia; Irkutsk Province)

Analyzing the training for young athletes in events involving cycles extending over a long period. T. N. Kosa and others. Probl. fiz. kul'tury i sporta no. 2:15-37 '61.

Enjoyment for everybody. IAkiv Kutsenko. Ukraina no. 9:26-27 My '62.

Materials on the proper organization and methodology of sports for young people. V. E. Nagornyi. Probl. fiz. kul'tury i sporta no. 2:5-14 '61.

SPORTS (Continued)

The rhythm of the Spartakiada does not stop. A. Gres'ko, Komsom. zhizn' no. 19 15-17 O '63.

Sports examination. B. Goncharov, S. Riabinin. Nar. obr. no. 12:21-24 D '63

SPORTS—ACCIDENTS AND INJURIES

Savages of the 20th century. M. Vasil'eu. Belarus' 20 no. 11:21 N '63.

SPORTS—PHYSIOLOGICAL ASPECTS

Analysis of data on the state of health of young athletes. L. I. Blagova. Probl. fiz. sporta no. 2:250-259 '61.

Change in external respiration in connection with training loads in young athletes. I. D. Surkina. Probl. fiz. sporta no. 2:200-208 '61.

Condition of the heart in young people developing strength, speed, and endurance. Ch'in Hao-wang Probl. fiz. sporta no. 2:224-231 '61.

Functional changes in the bodies of young athletes as a result of high-speed exercises. V. F. Sorokin. Probl. fiz. sporta no. 2:191-200 '61.

Materials for evaluating the effect of training loads on the bodies of young athletes. F. A. Iordanskaia, I. E. Pul'kina. Probl. fiz. sporta no. 2:231-249 '61.

Some problems in the athletic training of youths in the light of physical examination data. R. E. Motylianskaia. Probl. fiz. sporta no. 2:151-156 '61.

SPORTS MEDICINE

Dembo, A. G., ed. [Contemporary methods of examination in sports medicine] Sovremennye metody issledovaniia v sportivnoi meditsine. Leningrad, Medgiz, 1963. 286 p.
(DNLM)

Some problems in the athletic training of youths in the light of physical examination data. R. E. Motylianskaia. Probl. fiz. sporta no. 2:151-156 '61.

SPRATS see subdivision under Caspian Sea

SPRINGS (MECHANISM)

Stamped springs. A. M. Trus'. Mashinostroitel' no. 10: 30 O '63.

SPRINGS (MECHANISM)—TESTING

Automatic device for measuring stress relaxation in compression springs. A. M. Trus'. Zav. lab. 29 no. 11:1372-1373 '63.

Determination of the relaxation characteristics of compression springs in testing a single spring. N. D. Morozov, V. Z. TSeitlin. Zav. lab. 29 no. 11:1354-1357 '63.

SPRINKLERS

Adjustment of agricultural sprinkling equipment for spraying log piles and checking the effectiveness of sprinkling saw logs. S. N. Gorshin, A. A. Klykov. Nauch. trudy TSNIIMOD no. 12:80-91 '62.

SPRINTING

Analyzing the training of young sprinters. K. P. Subbotina. Probl. fiz. sporta no. 2:65-75 '61.

SPUTNIKS see Artificial satellites

SQUIRRELS see subdivision under Leningrad Province

STABILITY OF AIRPLANES

Stability of the motion of an airplane controlled by an autopilot along the take-off and landing strip. L. H. Lobas. Prykl. mekh. 9 no. 6:659-660 '63.

STABILITY OF SHIPS

Effect of unsteady roll and yaw on the accuracy of single rotor gyrocompasses. A. A. IAkushenkov. Trudy TSNIIMF 8 no. 47:45-54 '63

Fundamentals of prophylaxis and therapy in stachybotryotoxicosis of cattle. I. E. Povazhenko, I. S. Nagornyi. Nauch. trudy Uch. chasti UASHN 27 no. 10 106-111 '62.

Morphological and biochemical changes in the blood of cattle infected with stachybotryotoxicosis. V. I. Borisevich, V. S. Denisenko. Nauch. trudy Uch. chasti UASHN 27 no. 19:52-76 '62.

Mycoflora of feeds causing stachybotryotoxicosis of cattle. A. V. Gvozdov. Nauch. trudy Uch. chasti UASHN 27 no. 19:23-32 '62.

STACHYBOTRYS—TOXICOLOGY

Determining the toxicity of straw contaminated with the fungus Stachybotrys alternans. T. IA. Sivolozhskii, M. M. Litvin. Nauch. trudy Uch. chasti UASHN 27 no. 19.112-117 '62.

STADIA TABLES

Makeev, F. I. [Stadia reduction tables] Takheometricheskie tablitsy. Moskva, Goslesbumizdat, 1963. 318 p.

STADNIK, NIKOLAI ANTONOVICH

Book reviews. Fel'd. i akush 28 no. 8:58-63 Ag '63.

STAINLESS STEEL see Steel, Stainless

STALIN, IOSIF, 1879-1953

Zigzags of de-Stalinization. P. V. Fedenko. Mat. i soob. issl. otd. Inst. po izuch. SSSR no. 49/50:1-15 S-O '63.

STALINGRAD see Volgograd

STALINGRAD, BATTLE OF, 1942-1943

The 20th anniversary of the Battle on the Volga; decisions of the Committee for the Defense of Stalingrad, October 1941-July 1942. Submitted by I. I. Belonosov, M. I. Logvinova, A. M. Samsonov. Ist. arkh. 8 no. 3: 3-56 My-Je '62.

STALINGRAD HYDROELECTRIC POWER STATION see Volga Hydroelectric Power Station (22d Congress of the CPSU)

STALINGRAD PROVINCE see Volgograd Province

STALINO see Donetsk

STALINO PROVINCE see Donetsk Province

STANDARDIZATION
(see also subdivision under Central Chernozem Economic region; Kolomna; Shadrinsk)

Calculating the economic efficiency of a standardization control. I. K. Grigor'ev. Standartizatsiia 27 no. 11: 31 N '63.

From technical periodicals. Standartizatsiia 27 no. 11: 55-57 N '63.

Recommendations of the International Standards Organization. K. D. Nikonov. Standartizatsiia 27 no. 11:52-54 N '63.

Standardization in the small-lot machinery production. P. G. Shishlakov. Standartizatsiia 27 no. 11:3-6 N '63.

Standardization is an essential condition for technical progress. V. I. Korotkov. Mashinostroitel' no. 10:37 O '63.

Useful handbook on an urgent problem. A. A. Kokhtev. Mashinostroitel' no. 10:47-48 O '63.

STANDARDS, ENGINEERING

Foreign standards. Standartizatsiia 27 no. 11:59-64 N '63.

[Information index of standards] Inform. ukaz. stand. 24 no. 10 '63.

New standards. Izm. tekh. no. 10:63 O '63.

ROVINCE see Ivano-Frankovsk Province

CCAL DISEASE

occal immunity in schizophrenia [with English]. IU. A. Il'inskii. Vrach. delo N '63.

the experimental study of the pathogenesis action(viral and bacterial); preliminary Zh. Zhumatov, M. I. Bisenova. Trudy Inst. virus, AN Kazakh. SSR 7:243-249 '63.

ffect of novocaine block and dimedrol in l staphylococcal inflammation of different V. N. Solov'ev, A. M. Chernukh. Trudy pat. fiziol. AMN SSSR 1:196-204 '58.

, VALERII

it's work. I. Zhukhovitskii. Sov. voin 46 '63.

of starch fractions by amperometric ti- summary in English]. V. I. Deulin, V. I. hur. anal. khim. 18 no. 8:1016-1020 Ag

ly saccharified products by the method of lysis of starch. G. V. Galkina. Trudy o. 6:25-39 '63.

Preparation of raw materials for the production of wheat starch. D. R. Abragam. Trudy TSNIIKPP no. 6:5-12 '63.

Production of dextrin from rice starch. V. E. Marker, L. D. Blushina. Trudy TSNIIKPP no. 6:99-110 '63.

Some data on the effect of sodium bisulfite on the weltening of corn kernels. T. N. Maslennikova, D. T. Solov'ev. Trudy TSNIIKPP no. 6:92-99 '63.

STARCH—ANALYSIS

Method for rapid determining of the rate of saccharification of starches. A. N. Shul'ga. Izv. vys. ucheb. zav. ; pishch. tekh. no. 5 156-159 '63.

STARCH—DICTIONARIES

Dictionary of starch manufacture terms in ten languages. E. S. Aniushkin, S. Z. Ivanov. Sakh. prom. 37 no. 10: 52-53 O '63.

STARCH—DRYING

Design of a centrifuge dryer and investigation of the drying in it of starch. K. I. Paziruk. Sakh. prom. 37 no. 10:40-44 O '63.

STARCH INDUSTRY

Economic calculation of centrifugal separator stations in corn starch factories. Ch. K. Kuznechitskii. Trudy TSNIIKPP no. 6:77-92 '63.

STARCH INDUSTRY—EQUIPMENT AND SUPPLIES

Studying the washing of potatoes in a vibratory cleaning machine. K. I. Paziruk. Trudy TSNIIKPP no. 6:62-76 '63.

STARCH INDUSTRY—LABOR PRODUCTIVITY

Methodology for measuring labor productivity in the starch and molasses industry. V. Z. Kagan, I. S. TSukerman. Trudy TSNIIKPP no. 6:110-116 '63.

STARLINGS

Nutrition and biology of starlings. P. F. Levitskii. Priroda 52 no. 10:123 '63.

STARS—ATMOSPHERES

Evaluation of electron densities of stellar chromospheres [with summary in English]. M. A. Livshits. Astron. zhur. 40 no. 6:1065-1070 N-D '63.

STARS—CATALOGS

Catalog of right ascensions of 90 circumpolar stars compiled from observations with the meridian circle of the Tashkent Astronomical Observatory in 1955-1956 [with summary in English]. Kim Gun-dei. Izv. GAO 23 no. 1:57-64 '62.

Catalog of right ascensions of 122 stars in the declination zone + 70 to + 80° observed with the model of the L. A. Sukharev horizontal meridian instrument [with summary in English]. G. M. Timashkova. Izv. GAO 23 no. 1:3-13 '62.

Catalog of right ascensions of stars of the Time Service program [with summary in English]. G. K. Gorel', R. T. Fedorova. Izv. GAO 23 no. 1:31-40 '62.

Catalog of right ascensions of 299 stars of the general list of U. S. S. R. Time Service obtained from the observations during the IGY and IGC with the APM-10 transit instrument in Nikolaev [with summary in English]. N. S. Kalichevich. Izv. GAO 23 no. 1:14-30 '62.

STARS—CLUSTERS

Balls of stars. F. IU. Zigel'. Znan. sila 38 no. 9:10-12 S '63.

Investigation of five open clusters from proper motions and photometric characteristics of stars [with summary in English]. V. V. Lavdovskii. Izv. GAO 23 no. 1:121-124 '62.

Open cluster M 37 and the coronas of star clusters [with summary in English]. N. M. Artiukhina, P. N. Kholopov. Astron. zhur. 40 no. 6:1101-1111 N-D '63.

STARS—MOTION IN LINE OF SIGHT

Determination of the solar velocity in relation to stars of different spectral types and luminosity classes [with summary in English]. E. D. Pavlovskaia. Astron. zhur. 40 no. 6:1112-1122 N-D '63.

STARS—OBSERVATIONS

Computation of tg ζ and sec ζ needed for the reduction of Δ-observations [with summary in English]. A. A. Nemiro. Izv. GAO 23 no. 1:111-116 '62.

Determination of the spectrophotometric gradients of A-type stars by the photoelectric method [with summary in English]. O. A. Mel'nikov and others. Izv. GAO 23 no. 2:66-71 '63.

STARS, DOUBLE

Investigation of double and multiple stars in 115 Kapteyn areas [with summary in English]. A. N. Deich. Izv. GAO 23 no. 1:151-158 '62.

Physical characteristics of subgiant stars in eclipsing binaries [with summary in English]. S. M. Azimov. Izv. GAO 23 no. 2:76-106 '63.

STARS, NEW

Analysis of the chemical composition of envelopes of novae [with summary in English]. E. R. Mustel'. Astron. zhur. 40 no. 6:1007-1012 N-D '63.

STARS, VARIABLE

Investigating the polarization of the radiation of variable stars [with summary in English]. N. M. Shakhovskoi. Astron. zhur. 40 no. 6:1056-1064 N-D '63.

STARVATION

Effect of starvation on the histostructure and function of the islands of Langerhans [with summary in English]. A. E. Rabkina. Probl. endok. i gorm. 9 no. 5:12-17 S-O '63.

STASOVA, ELENA DMITRIEVNA, 1873-

Iskakh, A. A. ["Comrade Absolute"(Elena Dmitrievna Stasova)] Tovarishch Absolut (Elena Dmitrievna Stasova). Moskva, Izd-vo "Znanie," 1963. 106 p.

Living history. Zakhar Dvoirin. Ogonek 41 no. 42:6 O '63.

Pages of my life and struggle. A. D. Stasova. Rab. i stal. 30 no. 10:4 O '63.

STATE, THE

Kilov, A. V. [The development of the socialist state during the period of the large-scale building of communism] Razvitie sotsialisticheskoi gosudarstvennosti v period razvernutogo stroitel'stva kommunizma. [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1959. 20, [2] p. (Reshenitia XXI s"ezda KPSS - v zhizn') (MIR-I.)

A scholarly work on the theory of state and law. A. Davidovich. Polit. samoobr. 7 no. 6:132-138 Ag '63.

STATE FARMS

(see also subdivision under Chistopol'ye District; Leningrad Province; Poland; Serdobsk District; Surkhan-Darya Province; Tselinograd Province; Ukraine)

Agricultural atlas of the state farm. IA. I. IUrovskii. Trudy MIIZ no. 10:3-7 '60.

Development of the general laws governing the distribution of collective and state farm property. G. P. Karpyshev. Trudy Inst. filos. i prava AN Kazakh. SSR 8 30-61 '63.

Legal aid to collective and state farms. A. Glodes, A. Davydov. Sov. just. no. 22:23 N '63.

Organization and reorganization of state farms. N. I. Kovalenko. Izv. vys. ucheb. zav.; prav. 7 no. 3:130-143 '63.

STATE FARMS—ACCOUNTING

(see also subdivision under Odessa Province)

Harassments of accounting machine operators. N. G. Dubovitskii. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:40 O '63.

How to organize the accounting for the carrying out of a plan by brigades. P. A. Stankov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:30-32 O '63.

STATE FARMS—AUDITING AND INSPECTION

Balance committee is a form of public control. N. G. Finatinin, L. A. Ponomareva. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:11-14 O '63.

STATE FARMS—FINANCE

Garetovskii, N. V. [How a state farm fund is formed and utilized] Kak obrazuetsia i ispol'zuetsia fond sovkhoza. [Moskva] Profizdat, 1963. 30 p. (Bibliotechka sel'skogo profsoiuznogo aktivista, no. 3/15)

New procedure for financing capital repairs on state farms. S. P. Chernikov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:60-62 O '63.

STATE FARMS—MANAGEMENT

(see also subdivision under Bashkiria; Cherepanovo District; Moscow Province; Virgin Territory)

Specialization of state farms near cities. E. Udovenko, Z. Labzina. Ekon. sel'khoz. 32 no. 7:61-65 Jl '61.

A state farm of steady and high profitableness. IU. Voronin, A. Poliakov. Ekon. sel'khoz. 34 no. 11:58-63 N '63.

Tarasevich, V. F. [In order to have a profitable farm] Chtoby khoziaistvo bylo rentabel'nym. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 40 p.

STATE FARMS—PERSONNEL MANAGEMENT see subdivision under Kustanay Province

STATE FARMS—VALUATION see subdivision under Kazakhstan

STATES, NEW

Outlook for the future. Nov. vrem. 21 no. 52:1-2 D '63.

STATES, NEW—ECONOMIC CONDITIONS

Some forms of the ideology of neocolonialism. V. D. Zotov. Nauch. dokl. vys. shkoly; filos. nauki 6 no. 5:13-21 '63.

STATES, NEW—ECONOMIC POLICY

A champion of neocolonialism and his "third path" of the economic growth of undeveloped countries. P. I. Pankevich. Vop. ist. 38 no. 11:185 N '63.

STATES, NEW—POLITICS see subdivision under Africa

STATICS

Bat', M. I., G. IU. Dzhanelidze, and A. S. Kel'zon. [Theoretical mechanics in examples and problems] Teoreticheskaia mekhanika v primerakh i zadachakh. Pod red. G. IU. Dzhanelidze. Izd. 2., ispr. Moskva, Fizmatgiz.

Vol. I. [Statics and kinematics] Statika i kinematika. 1963. 483 p.

STATISTICAL MECHANICS

Character of the relations of the statistical system. V. I. Kuptsov. Vest. Mosk. un. Ser. 8 Ekon., filos. 18 no. 6:79-87 N-D '63.

"Methods of Green's functions in statistical *mechanics*" by V. L. Bonch-Bruevich, S. V. Tiablikov. Reviewed by S. V. Vonsovskii, IU. A. Izumov. Usp. fiz. nauk 81 no. 2:403-405 O '63.

STATISTICS

Druzhinin, N. K., comp. [Reader on the history of Russian statistics; the history of theoretic viewpoints] Khrestomatiia po istorii russkoi statistiki; istoriia teoreticheskikh vzgliadov. Moskva, Gosstatizdat, 1963 294 p.

[General theory of statistics] Zahal'na teoriia statystyky. [By] F. H. Dolnushevs'kyi ta inshi. [Kyiv] Vyd-vo Kyivs'koho univ., 1963. 338 p.

STAVROPOL—DUST STORMS

Dust storms in Stavropol Territory and measures for controlling them. V. P. Lidov, V. K. Orlova, S. A. Tiurdeneva. Geog. i khoz. no. 12:29-39 '63.

STAVROPOL—PENSIONS

Results of the lack of control. F. Arkhipova. Sots. obesp. 24 no. 9:10-11 S '63.

STAVROPOL—RUBBER, SYNTHETIC

The persistent prevail. M. Lipatova. Agitator no. 22: 24-27 N '63.

STAVROPOL—TECHNICAL LIBRARIES

At the center of industrial life. V. Kasimov. Bibliotekar' no. 11:25-26 N '63.

STAVROPOL—WATER—POLLUTION

Sanitary state of the ponds of the city of Stavropol. S. I. Kulikov. Trudy Vor. med. inst. 47:67-68 '62.

STAVROPOL' (KUYBYSHEV PROVINCE)—COMMUNIST YOUTH LEAGUE

Find a remedy, do not give up... Komsom. zhizn' no. 14:28-29 Jl '63.

STAVROPOL TERRITORY—AGRICULTURE

The great harvest of Stavropol is for the homeland. Komm. Vooruzh. Sil 4 no. 23 42-45 D '63.

STAVROPOL TERRITORY—DUST STORMS

Meteorological conditions of dust storms in Stavropol in the spring of 1960. A. A. Luchshev. Geog. i khoz. no. 12:24-28 '63.

STAVROPOL TERRITORY—GEOLOGY, STRUCTURAL

Genesis of the basic tectonic forms of Stavropol Territory. B. K. Lotiev. Izv. vys. ucheb. zav.; neft' i gaz 4 no. 12:3-7 '61.

STEAM

Growth rate of steam bubbles during the boiling of a liquid. V. I. Tolubinskii. Izv. vys. ucheb. zav.; energ. 6 no. 10:77-83 O '63.

STEAM—THERMAL PROPERTIES

Equations for analyzing the flow of wet steam. IU. V. Nakhman. Izv. vys. ucheb. zav.; energ. 6 no. 9:59-65 S '63.

STEAM BOILERS see Boilers

STEAM BOILERS, MARINE see Boilers, Marine

STEAM NAVIGATION see subdivision under Yenisey River

STEAM POWER PLANTS

Experimental study of adiabatic steam formation during steam flow in nozzles. S. V. Polozhii. Izv. vys. ucheb. zav.; energ. 6 no. 9:78-84 S '63.

Operating mode of a turbine using a generator in the capacity of a synchronous compensator. G. A. Shapiro, A. S. Bokov. Elek. sta. 34 no. 10:38-41 O '63.

STEAM TURBINES

Automatic starting of steam turbines. Sudostroenie 29 no. 11:71 N '63.

Automation of turbine heat emission. V. L. Brodskii. Elek. sta. 34 no. 10:30-33 O '63.

Equations for analyzing the flow of wet steam. IU. V. Nakhman. Izv. vys. ucheb. zav.; energ. 6 no. 9:59-65 S '63.

Static nonautonomous systems for joint control of turbines with steam takeoff. I. I. Kirillov, V. A. Ivanov. Izv. vys. ucheb. zav.; energ. 6 no. 9:65-74 S '63.

Study of mechanical losses due to humidity in turbine stages. R. M. IAblonik, E. F. Markovich. Izv. vys. ucheb. zav., energ. 6 no. 9:51-58 S '63.

Study of the nozzle cascades of the terminal stages of steam turbines. B. M. Troianovskii, F. V. Maiorskii. Izv. vys. ucheb. zav., energ. 6 no. 10:55-61 O '63.

STEAM TURBINES—CLEANING

Blowout of the steam lines of a boiler-turbine block. N. G. Buslik. Elek sta. 34 no. 10 16-20 O '63.

STEAM TURBINES, MARINE

Circulating electric pumps for steam turbine plants on ships built in series. V. I Enin Sudostroenie 29 no. 11 28-29 N '63.

STEAM TURBINES, MARINE—CYLINDERS

Using mastics for the sealing of joints in steam turbine cylinders. A. A. Matavin. Sudostroenie 29 no. 11 58-59 N '63.

STEAMBOAT LINES see subdivision under Pacific Ocean

STEAMBOATS see subdivision under Ural Mountain region

STEAMPIPES

Thermal longitudinal displacement of heat conductors. A. L Seleznev. Prom. energ. 18 no. 11 38-40 N '63.

STEEL

Recrystallization texture of transformer steel in the transition region. P. D. Izbranov. Izv. vys. ucheb. zav., fiz. no. 3 32-33 '63.

"Stavinit," a new promising combined material. V. N. Kestel'man, V. P. Ivashkevich. Plast. massy no. 11: 60-61 '63.

STEEL—BRITTLENESS

Characteristics of cementite decomposition in hypereutectoid steel. V. M. Finkel', V. A. Zraichenko, T. K. Defashkina. Izv. vys. ucheb. zav., chern. met. 6 no. 10 95-100 '63.

Using the thermoelectromotive force method for the study of the temper brittleness in steel. A. P. Shadrunova. Izv. vys. ucheb. zav., chern. met. 6 no. 10:109-112 '63.

STEEL—CASTINGS

Manufacture of rotors for heavy-duty turbines from basic vacuum treated steel. A. V. Lifanova. Mashinostroenie no. 6:45-47 N-D '63.

STEEL—FATIGUE

Fatigue strength of low-alloyed steels in specimens and frame structures made of bent sections. M. M. Kobrin, L. M. Lel'chuk. Avt. prom. 29 no. 11:34-36 N '63.

Time dependence of the resistance to thermal fatigue. IU. F. Balandin. Zav. lab. 29 no. 10:1222-1225 '63.

STEEL—HARDENING

Effect of the temperature field on the nature of warping of a flat body after its temper hardening. V. V. Abramov and others. Trudy GPI 17 no. 3:41-53 '61.

Spectral determination of carbon in case-hardened steels. T. T. Stefanenko. Zav. lab. 29 no. 11:1321-1322 '63.

Stresses caused by the hardening of laminated steel. V. V. Abramov, E. I. Astrov, N. N. Tikhonov. Trudy GPI 17 no. 3.24-31 '61.

STEEL—HEAT TREATMENT

Efficient heat treatment of rolls used in hot rolling and made of 55Kh and 60KhG steels. A. I. Kondrashev, K. F. Gurzhienko, V. A. Kamalov. Sbor. Novo-Kram. mashinostroi. zav. no. 5:62-69 '59.

Heat treatment of low carbon steel with zirconium additives. V. S. Kovalenko. Mashinostroenie no. 5:36-38 S-O '63.

Improving the heat treatment of rolls used in cold rolling. A. I. Kondrashev, V. A. Kamalov, K. F. Gurzhienko. Sbor. Novo-Kram. mashinostroi. zav. no. 5:70-83 '59.

Kinetics of the relieving and redistribution of residual stresses in rolls used in cold rolling at low-temperature tempering. B. A. Brusilovskii, F. I. Ivanov. Sbor. Novo-Kram. mashinostroi. zav. no. 5:100-107 '59.

X-ray examination of the kinetics of martensite disintegration at low-temperature tempering in rolls used in cold rolling. B. A. Brusilovskii, F. I. Ivanov. Sbor. Novo-Kram. mashinostroi. zav. no. 5:96-99 '59.

STEEL—HYDROGEN CONTENT

Effect of certain factors on the kinetics of hydrogen removal from liquid steel during its vacuuming. E. S. Levin, K. T. Kurochkin, P. V. Umrikhin. Izv. vys. ucheb. zav.; chern. met. 6 no. 10:43-51 '63.

STEEL—INCLUSIONS

Aluminosilicate inclusions in steel. E. D. Mokhir. Sbor. trud. TSNIICHM no. 32:83-90 '63.

Classification of inclusions according to standard scales. S. A. Kiseleva, L. G. Apolovnikova. Sbor. trud. TSNIICHM no. 32:22-23 '63.

STEEL—INCLUSIONS (Continued)

Effect of inclusions on the plasticity of steel at high temperatures. M. I. Vinograd, G. P. Gromova Sbor. trud. TSNIICHM no 32:5-21 '63.

Petrographic study of the anodic deposits of nonmetallic inclusions subjected to a special treatment. A. G. Rylinikova, S. B. Lebedeva. Sbor. trud. TSNIICHM no. 32:75-81 '63.

The role of nonmetallic inclusions on the formation of internal laps in pipe. V. S. Konovalov and others. Izv. vys. ucheb. zav., chern. met. 6 no. 10 37-42 '63.

STEEL—MAGNETIC PROPERTIES

Nature of coercive force changes during the aging of hardened low-carbon steel. IU. P. Gul', V. M. Pasal'skii. Izv. vys. ucheb. zav., chern. met. 6 no. 10 101-104 '63.

STEEL—METALLOGRAPHY

Comparing methods of magnetic metallography. L. G. Apolovnikova. Sbor. trud. TSNIICHM no. 32:124-128 '63.

Connection between grain size with its crystallographic orientation in cold-rolled transformer steel. E. V. Agapova. Fiz. met. i metalloved. 16 no. 4:620-622 O '63.

Defects in the macrostructure of vacuum-produced ball-bearing steel. I. A. Pavpetova. Sbor. trud. TSNIICHM no. 32:36-42 '63.

Determining small contents of austenite or alpha-phase on a URS-50I diffractometer. V. G. Kostogonov. Sbor. trud. TSNIICHM no. 32:134-137 '63.

Methods of revealing the actual austenite grain in steel. A. K. Krasnova, A. V. Smirnova, L. A. Volkova. Sbor. trud. TSNIICHM no. 32:51-55 '63.

Revealing the microstructure of a metal by the electric deposition of another metal. G. A. Kokorin. Sbor. trud. TSNIICHM no. 32:118-123 '63.

Revealing the primary structure of steel by the color metallography method. G. P. Gromova, P. M. Zhurenkov, I. V. Likhnova. Sbor. trud. TSNIICHM no. 32:100-102 '63.

Structural heredity in steel. G. N. Bogacheva, V. M. Schastlivtsev. Fiz. met. i metalloved. 16 no. 4:521-525 O '63.

Theory of transformations of undercooled austenite. B. A. Leont'ev. Fiz. met. i metalloved. 16 no. 4 516-520 O '63.

STEEL—METALLURGY

Addition of chromium to steel before deoxidation by a preliminary increase of chromium oxide in the slag. N. N. Vlasov, P. V. Umrikhin. Izv. vys. ucheb. zav., chern. met. 6 no. 10:32-36 '63.

Desulfuration of basic electrical steel during the oxidizing melting period. S. R. Mamedov. Za tekh. prog. 3 no. 7:31-33 Jl '63.

Effect of steelmaking conditions on the impact toughness at low temperatures of electric slag welded joints. S. V. Pokatacv, V. K. Novitskii, I. R. Krianin. Svar. proizv. no. 6:22-26 Je '63.

IAvotskii, V. I. [Theory of steel production processes] Teoriia proizsessov proizvodstva stali Moskva, Metallurgizdat, 1963. 820 p.

Inoculation of rail steel. IU. V. Grdina and others. Izv. vys. ucheb. zav.; chern. met. 6 no. 10:129-133 '63.

Softening of the white coating when heated in a vacuum. N. N. Sukharina, I. S. Polozhii. Izv. vys. ucheb. zav., fiz. no. 3:76-79 '63.

Treating open-hearth furnace steel in the ladle with liquid synthetic slag. I. E. Podynogin. Metallurg 8 no. 10:14-15 O '63.

STEEL—STANDARDS

Standardization of two-layer sheet steel. I. A. Balakina, T. K. Aleksandrova. Standartizatsiia 27 no. 11:22-25 N '63.

STEEL—TESTING

Investigation of thermokinetic austenite transformation in steels. F. I. Ivanov, M. A. Gontar'. Sbor. Novo-Kram. mashinostroi. zav. no. 5:120-127 '58.

Method of investigating the effect of low-melting coatings on the mechanical properties of steels under thermal cycling. N. V. Savchenko. Zav. lab. 29 no. 10:1247-1248 '63.

Method of preparing specimens of high-strength steel for tensile tests. I. N. Drikova, V. V. Kurshev. Zav. lab. 29 no. 10:1248-1249 '63.

A peculiarity of steel deformation in the yield area following strain hardening. A. V. Gur'ev, L. V. Kuksa. Fiz. met. i metalloved. 16 no. 4:589-595 O '63.

Repeated tensile impact testing of steel. L. T. Timoshuk, T. P. Savilova, N. I. Nistratov. Sbor. trud. TSNIICHM no. 32:146-154 '63.

Resistance to deformation of carbon steels. L. D. Sokolov. Izv. vys. ucheb. zav.; chern. met. 6 no. 10:62-66 '63.

Steel testing for static tension and torsion. L. T. Timoshuk, E. A. Kurganova. Sbor. trud. TSNIICHM no. 32: 196-204 '63.

STEEL—WELDING

Effect of the welding heat on the microstructure and properties of 21-3 and 21-5 type steels. N. I. Kakhovskii, K. A. IUshchenko. Avtom. svar. 16 no 10 15-25 O '63.

Fatigue strength of unilaterally welded joints. G. Z. Zaitsev, N. E. Naumchenkov, IA. L. Minkov. Svar. proizv. no. 6:26-29 Je '63.

Pressure welding of aluminum with steel; publications review. V. R. Riabov. Avtom. svar. 16 no. 10:47-53 O '63.

STEEL, STAINLESS

If you are an engineer.... A. Komanovskii. Metallurg 8 no. 11:30-31 N '63.

STEEL, STAINLESS—METALLOGRAPHY

Substructure of annealed stainless steel. I. D. Kedrin. Izv. vys. ucheb. zav.; chern. met. 6 no. 10:105-108 '63.

STEEL, STRUCTURAL

15 GF low-alloy steel with vanadium for reinforced concrete structures. M. I. Bychkov, S. M. Skorobogatov. Trudy Ural. politekh. inst. no. 131:42-55 '63.

Ivashchenko, T. M. [Structural steels and aluminum alloys] Stroitel'nyi stali i aliuminievye splavy. Pod red. IU. M. Lakhtina. [n. p.] Rosvuzizdat, 1963. 56 p.

Stressing elements of steel high-strength cables for metal prestressed structures. B. A. Speranskii. Trudy Ural. politekh. inst. no. 131:67-78 '63.

STEEL, STRUCTURAL—BRITTLENESS

Mechanical character of temper brittleness in structural steels. L. S. Palatnik, IU. S. Tomenko. Fiz. met. i metalloved. 16 no. 4:567-573 O '63.

STEEL, STRUCTURAL—METALLOGRAPHY

Studying the nature and conditions of changes in the structure and chemical composition of St. 3 steel at the surface of a cut. O. Sh. Spektor, G. A. Asinovskaia. Trudy VNIIAvtogen no. 9 19-32 '63.

STEEL ALLOYS—CORROSION see subdivision under Azerbaijan

STEEL ALLOYS—METALLOGRAPHY

Effect of zirconium on the stability of austenite and the hardenability of 35KhG, 35KhGR and 35KhGB steels. V. M. Khlestov, V. F. Zubarev, B. A. Leont'ev. Izv. vys. ucheb. zav.; chern. met. 6 no. 10:113-119 '63.

STEEL ALLOYS—METALLURGY

Effect of deoxidizers on the mechanical properties of low-alloy steel. I. M. IAzovskikh, IU. A. Bukin, I. M. Gorbachev. Lit. proizv. no. 10.3-4 O '63.

STEEL ALLOYS—PHOTOELECTRIC PROPERTIES

Operating experience with the DFS-10 photoelectric apparatus at the "Dneprospetsstal'" plant. E. I. Goreva, S. I. Kulik, T. M. Leuta. Zav. lab. 29 no. 11:1393-1395 '63.

STEEL ALLOYS—TESTING

Use of the FES-1 photoelectric flaw detector at the Chelyabinsk Metallurgical Plant. G. A. Subbotina, I. P. Manzhosov. Zav. lab. 29 no. 11:1395-1396 '63.

STEEL CASTINGS

Effect of deoxidizers on the surface finish of carbon steel castings. IA. G. Orlianskii, B. V. TSarevskii, S. I. Popel'. Lit. proizv. no. 10.4-5 O '63.

STEEL INDUSTRY

(see also subdivision under Bulgaria; Nizhniy Tagil; Zhdanov)

Collection of fines for the incomplete delivery of rolled metal products. S. IA. Palastina. Izv. vys. ucheb. zav.; prav. 7 no. 3:136-139 '63.

Determining the coefficient of work rhythmicity in modern open-hearth furnace plants. I. I. Kobyliakov. Izv. vys. ucheb. zav.; chern. met. 6 no. 10:184-187 '63.

STEEL INDUSTRY—AUDITING AND INSPECTION see subdivision under Zhdanov

STEEL INDUSTRY—COSTS

(see also subdivision under Kuznetsk Basin)

Planning production costs. S. Ziobinskii. Metallurg 8 no. 11:35 N '63.

STEEL INDUSTRY—EQUIPMENT AND SUPPLIES

Classification of capital assets. N. Mitiaev, D. Popov. Bukhg. uchet 29 no. 11:9-12 N '63.

STEEL INDUSTRY—MANAGEMENT

(see also subdivision under Sverdlovsk Province; Volgograd)

IArkov, V. V. [Learn to manage] Uchis' khoziaistvovat', izd. 2., perer. i dop. Moskva, Metallurgizdat, 1963, 57 p. (Osnovy ekonomiki predpriiatii chernoi metallurgii)

STEEL INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Begovat; Novyy Lipetsk

STEEL INGOTS

Methods of investigating the temperature distribution in the cross section of slabs being heated for rolling. S. I. Bulat. Sbor. trud. TSNIICHM no. 32:56-57 '63.

Rapid pouring of rimmed steel. A. N. Vasil'ev, S. I. Bogachev. Metallurg 8 no. 10:16-17 O '63.

Rapid top pouring of rimmed steel into ribbed ingot molds. E. A. Efimov and others. Metallurg 8 no. 11 17-19 N '63.

STEEL INGOTS—TESTING

Corner templets for studying the skin zone of an ingot. D. A. Litvinenko. Sbor. trud. TSNIICHM no. 32:111-113 '63.

STEELWORKS see Iron and steel plants

STEERING GEAR

Experimental investigation of an ABR-type automatic steering device. G. E. Shleier. Trudy TSNIIMF 8 no. 17:64-73 '63.

Sur, P. S. [Manual on steering-gear handling] Posobie po rulevomu delu. Moskva, Izd-vo DOSAAF, 1963. 174 p.

Using multiple route, multichannel, and complex navigational systems in automatic ship steering. E. N. Perevezentsev. Trudy TSNIIMF 8 no. 47,62-68 '63.

STEFANYK, VASYL' SEMENOVYCH, 1871-1936

"Arsonist," a story by V. Stefanyk. V. M. Lesyn. Rad. lit. 7 no. 6:113-126 N-D '63.

Vasyl' Stefanyk and Waclaw Moraczewski, 1895-1897. IA. IA. IAremа. Mizhslov. lit. vzaiom. no. 3:76-92 '63.

STEKLOV, VLADIMIR ANDREEVICH, 1864-1926—BIBLIOGRAPHY see Bibliography—Steklov, Vladimir Andreevich, 1864-1926

STEPANOV, BORIS IVANOVICH, 1913-

Boris Ivanovich Stepanov; on his 50th birthday. M. A. El'iashevich, F. I. Fedorov. Usp. fiz. nauk 81 no. 2: 401-402 O '63.

STEREOCHEMISTRY

Determination of the degree of isotacticity of polypropylene from its infrared spectra. IU. V. Kissin, V. I. TSvetkova, N. M. Chirkov. Dokl. AN SSSR 152 no. 5:1162-1165 O '63.

Stereochemistry of hydrindan systems. Usp. khim. 32 no. 10:1177-1200 O '63.

STEREOPHONIC SOUND SYSTEMS

Distortions in the reproducing of the frontal motion of the sound object due to the use of stereophonic microphones for sound recording (with summary in English on p. 95). V. S. Man'kovskii. Tekh. kino i telev. 7 no. 11,28-35 N '63.

Some technological features of the organization of stereophonic radio broadcasting and improvement of the quality of single-channel low-frequency broadcasting systems. I. A. Shamshin. Vest. sviazi 22 no. 11:10-11 N '62.

STEREOTYPING

Equipment for making plastic stereotypes. V. F. Dorofeev. Poligr. proizv. no. 11:32-34 N '63.

STERILITY

Brusylovs'kyi, I. A. [Female sterility and its treatment in the Saki mud bath resort] Bezplidnist' zhinok i ii likuvannia na Saka'komu hriaz'ovomu kurorti. Kyiv, Derzhmedvydav URSR, 1963. 28 p.

STEROIDS

Determination of 17-ketosteroids in the urine and the Thorn test in the treatment of liver diseases using hormonal preparations. A. Z. Davletkil'dieva. Kaz. med. zhur. no. 5:40-41 S-O '63.

Functional state of the adrenal cortex in Botkin's disease. O. K. Myshkina. Kaz. med. zhur. no. 5:42-43 S-O '63.

Microbiological 20 α-reduction of keto steroids with the aid of Bacillus megatherium. N. N. Suvorov and others. Dokl. AN SSSR 152 no. 5:1130-1131 O '63.

Steroid spectrum as a diagnostic criterion in true hermaphroditism [with summary in English]. E. Špaňár, J. Kysela. Probl. endok. i gorm. 9 no. 5:101-105 S-O '63.

STEROIDS—SIDE EFFECTS

Two cases of adrenal atrophy in prolonged steroid therapy. G. P. Shul'tsev, A. M. TSyganova. Klin. med. 41 no. 7:121-123 Jl '63.

STETSENKO, KYRYLO IRYHOROVYCH, 1882-1922

An unfinished opera. V. K. Ukraina no. 9:24 My '62.

STILLBIRTH

Stillbirth and early mortality of infants by coiling of the umbilical cord. V. I. Davydov, V. S. Voronin. Kaz. med. zhur. no. 5:62-63 S-O '63.

STINNES FAMILY

Why the Stinneses went bankrupt. V. Rozen. Nov. vrem. 21 no. 46:25-27 N '63.

STOCK AND STOCKBREEDING
(see also subdivision under Bulgaria; Turkmenistan; Virgin Territory)

Economic problems of the over-all mechanization of stockbreeding. M. A. Lebedev. Uch. zap. Orekh.-Zuev. ped. in-st. 20 no. 3:177-186 '63.

Sex formation in animals as related to the combination of the types of the nervous systems of the male and female [with summaries in English, German, and French]. V. N. Baikov. *Vest. sel'khoz. nauki* 8 no. 6:64-68 Je '63.

Winter stabling of stockbreeders. Part. zhizn' no. 23: 26-27 D '63.

STOCK AND STOCKBREEDING—ABSTRACTS
[Animal husbandry. Veterinary medicine] Ref. zhur.: Zhiv. Vet. no. 23 D '63.

STOCK AND STOCKBREEDING—CONGRESSES
Conference on the physiology and biochemistry of farm animals [in Latvian]. G. Grundmanis. Izv. AN Latv. S.S.R. no. 9:130-132 '63.

Vsesoiuznaia Akademiia sel'skokhoziaistvennykh nauk imeni V. I. Lenina. [Progress of science in stockbreeding; reports at the jubilee session of the Academy of Sciences of the U.S.S.R. and the All-Union Academy of Agricultural Sciences devoted to the centenary of the birth of I. V. Michurin (1955)] Dostizhenila nauki v zhivotnovodstve; doklady na iubileinoi sessii Akademii nauk SSSR i Vsesoiuznoi Akademii sel'skokhoziaistvennykh nauk imeni V. I. Lenina, posviashchenoi 100-letiiu so dnia rozhdeniia I. V. Michurina (1955 g.). Moskva, Gos. izd-vo sel'khoz. lit-ry, 1959. 302 p. (MU)

STOCK AND STOCKBREEDING—COSTS
(see also subdivision under Volokolamsk District)

Monthly calculation of the cost of livestock products. M. Chernovetskii. Buddog. uchet 20 no. 5:26-29 My '63.

STOCK AND STOCKBREEDING—LABOR PRODUCTIVITY
see subdivision under United States

STOCK AND STOCKBREEDING—RESEARCH see subdivision under Uzbekistan

STOCKHOLM—DESCRIPTION
A city afloat. I.M. Feofanov. Nov. vrem. 21 no. 50:26-29 D '63.

STOMACH—CANCER
Causes of errors in the X-ray diagnosis of stomach cancer, analysis of 12 years' data [with summary in English]. E. I. Nikiforova. Vest. rent. i rad. 38 no. 5: 42-46 S-O '63.

Causes of mortality following radical surgery in stomach cancer, data of the Oncological Institute of the Academy of Medical Sciences of the U.S.S.R. [with summary in English]. M. P. Fedushkin. Vop. onk. 9 no. 7:102-110 '63.

Clinical characteristics of the functional state of the mucous membrane of the stomach in cancer [with summary in English]. T. V. Shemiakina, E. A. Chelkarina, R. L. Bember. Trudy Inst. onk. AMN SSSR. no. 3:103-111 '60.

Clinicomorphological evaluation of the degree of radical extirpation of the stomach in cancer [with summary in English]. E. A. TSel'. Trudy Inst. onk. AMN SSSR. no. 3:61-67 '60.

Further observations of the influence of mechanical factors on the development of precancer states of the stomach in rats [with summary in English]. N. A. Krotkina, G. I. Kolomiitsov. Trudy Inst. onk. AMN SSSR. no. 3:199-200 '60.

Surgical treatment of gastric cancer in a district hospital. M. A. Santalov. Vop. klin. pat. no. 2:81-88 '61.

Thrombopenic anemia with erythroblastosis in gastric cancer with metastases into the bone marrow. S. V. Kagramanov, Iu. G. Iudin. Vop. klin. pat. no. 2:285-290 '61.

STOMACH—DISEASES
Acute stomach dilatation in a patient with thyrotoxicosis [with summary in English]. V. M. Mikhlin. Probl. endok. i gorm. 9 no. 5:76-78 S-O '63.

Effect of dynamic and static load on the motor activity of the stomach in its functional disorders. A. F. Poliantichko. Eksp. issl. po fiziol., biokhim. i farm. no. 3: 99-105 '61.

Effect of hemic hypoxia of the organism on the state of the stomach mucosa and its motor activity. V. V. Morenov. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4:85-90 '60.

Electrogastrogram in gastric and duodenal stenosis [with summary in English]. G. L. Levin, A. S. Belousov. Klin. med. 41 no. 7:51-56 Jl '63.

Materials on the correlation of stomach lesions with the development of anemia. V. V. Morenov, D. G. Petrov. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4:50-54 '60.

Neuromuscular diseases of the esophagus and cardia [with summary in English]. A. Z. Morgenshtern. Klin. *med.* 41 no. 7:40-46 Jl '63.

Prevention of some diseases of the stomach and duodenum. S. A. Savvaitov, I. I. Veretianov. Klin. med. 40 no. 11: 14-20 '62.

Use of microwave therapy in gastric diseases [with summary in English]. E. L. Revutskii. Vrach. delo no. 11:59-62 N '63

STOMACH—INFLAMMATION
Effect of the mastication act on intragastric temperature in patients with anacidic gastritis. V. F. Kozlovskaia Teor. i prak. stom. no. 5:117-121 '61.

Effect of the mastication act on stomach secretion in patients with achylous gastritis. G. S. Dobrokhotov. Teor. i prak. stom. no. 5 111-116 '61.

STOMACH—RADIOGRAPHY
Acute stomach dilatation in a patient with thyrotoxicosis [with summary in English]. V. M. Mikhlin. Probl. endok. i gorm. 9 no. 5:76-78 S-O '63.

Causes of errors in the X-ray *diagnosis of stomach* cancer; analysis of 12 years' data [with summary in English]. E. I. Nikiforova. Vest. rent. i rad. *38 no. 5:* 42-46 S-O '63.

Method of X-ray examination of the upper part of the stomach in the case of tumors. S. G. Govzman. Vop. klin. pat. no. 2:81-90 '61.

STOMACH—RUPTURE
Spontaneous rupture of the stomach during its acute expansion. K. M. Penchin Zdrav. Bel. 9 no. 3:81-82 Mr '63.

STOMACH—SECRETIONS
Determination of uropepsin and other functions of the gastric glands [with summary in English]. Iu. D. Popov. Klin. med. 41 no. 7:46-51 Jl '63.

Effect of rectally introduced novocaine on the course of chronic colitis and secretory function of the stomach. A. L. Botnar'. Zdravookhranenie 6 no. 5 48-52 S-O '63.

Effect of the mastication act on stomach secretion in patients with achylous gastritis. G. S. Dobrokhotov. Teor. i prak. stom. no. 5:111-116 '61.

Functional state of the stomach in thyroid gland diseases; clinical studies. F. A. Nikolova. Probl. endok. i gorm. 9 no. 5:76-78 S-O '63.

STOMACH—SURGERY
Changes in the circulating blood volume in operations on the stomach under intratracheal ether and oxygen potentiated anesthesia. R. V. Golovanov. Khirurgiia 39 no. 7:62-66 Jl '63.

Clinicomorphological evaluation of the degree of radical extirpation of the stomach in cancer [with summary in English]. E. A. Tsel'. Trudy Inst. onk. AMN SSSR *no. 3:61-67 '60.*

Mechanism of jaundice arising following intrathoracic esophagogastro-anastomosis [with summary in English]. D. V. Fedotkin. Vest. khir. 91 no. 7:23-25 Jl '63.

Some problems in the prevention of treatment of acute inflammation of the anastomosis following stomach resection [with summary in English]. F. M. Danovich, S. E. Gurvich. Vest. khir. 90 no. 6:29-33 Je '63.

Use of double contrast and pneumoperitoneum in the X-ray examination of patients with resected stomach [with summary in English]. E. G. Fridman. Vest. rent. i rad. 38 no. 5:46-50 S-O '63.

STOMACH—TUMORS
Method of X-ray examination of the upper part of the stomach in the case of tumors. S. G. Govzman. Vop. klin. pat. no. 2:81-90 '61.

STOMACH—ULCERS
Multiple complications in gastric ulcer. L. N. Starodubtseva, B. G. Bogdanov. Klin. med. 41 no. 7:124-127 Jl '63.

"X-ray diagnosis of covered perforated ulcers of the stomach and the duodenum" by M. V. Rogozina. Reviewed by N. S. Timofeev. Vest. khir. 91 no. 7:138-139 Jl '63.

STOMATOLOGY
Falin, L. I. [Histology and embryology of the oral cavity and the teeth] Gistologiia i embriologiia polosti rta i zubov. Moskva, Medgiz, 1963. 218 p.

State of stomatological care in the R.S.F.S.R. and measures for its improvement. G. N. Beletskii. Teor. i prak. stom. no. 5:3-43 '61.

STONE, CAST
Andesite-basalts in Transcarpathia of the Ukrainian S.S.R. as raw materials for obtaining cast stones. V. A. V. Kosyns'ka and others. Geol. zhur. 23 no. 5:62-72 '63.

New type of stone casting for the paving plates of coke wharfs. N. I. Mitrofanov. Koks i khim. no. 11:58 '63.

STONE AGE see subdivision under Bami; Caucasus; Gagarino (Voronezh Province)

STONE IMPLEMENTS
Methodology of determining nodules. I. I. Korobkov. Sov. arkheol. 7 no. 4:10-19 '63.

STONE INDUSTRY
(see also subdivision under Kazakhstan)
More crushed stone for track *maintenance.* Put' i put. khoz. 7 no. 11.23-24 '63.

STONE INDUSTRY—COSTS
Costs of production are going down. M. N. Provodina. Put' i put. khoz. 7 no. 10.22-24 '63.

STONY TUNGUSKA VALLEY see Podkamennaya Tunguska Valley

STORE FIXTURES—EXHIBITIONS see subdivision under Moscow

STORES, RETAIL
(see also subdivision under Pavlodar District)
Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila Moskva, Gosstroiizdat.
Pt. 2, Sec. L, ch. 7. [Specifications for the design of stores] Magaziny, normy proektorovaniia (SNiP II-L. 7-62). 1962 21 p.

STORES, RETAIL—ACCOUNTING
Aleksandrov, M. M., F. I. Nazarovskii, and S. N. Strelkov. [Accounting in a store] Bukhgalterskii uchet v magazine. Moskva, Gostorgizdat, 1963. 158 p.

STRADIN, PAULS, 1896-1958
Life and work of Pavel Ivanovich Stradyn'. S. A. Reinberg. Klin. med. 41 no. 7 3-8 Jl '63.

STRAIN GAUGES
Analysis and evaluation of errors of an optical mechanical strain gauge. I. I. Mokeev. Trudy GPI 17 no. 3: 112-119 '61.

Device for the contactless measurement of stresses in *ship shaft lines.* E. S. *Reinberg. Trudy LKI no. 36:* 85-89 '62.

Eliminating the sparking in the electric circuit of Aistov's strain gauge. K. Andreasian. Prom. Arm. 6 no. 9 49 S '63.

Measurement of creep deformations at 700° C by means of strain gauges. E. Iu. Nekhendzi. Zav. lab. 29 no. 10:1241-1246 '63.

Small-base tensometer. V. O. Osipov. Zav. lab. 29 no. 10:1253-1254 '63.

Strain gauge pickup for measuring pressures in fuel forcing conduits of diesel engines. B. N. Fainzeln, L. A. Klochev. Izm. tekh. no. 11:19-20 N '63.

Strain gauges for the measurement of static deformations. A. N. Babaev, K. M. Olifirenko. Trudy LKI. no. 36 5-10 '62.

STRAINS AND STRESSES
Approximate solution of physically nonlinear plane problems of stress concentration around holes. I. A. TSurpal. *Prykl. mekh. 9 no. 6 601-611 '63.*

Automatic device for measuring stress relaxation in compression springs. A. M. Trus'. Zav. lab. 29 no. 11:1372-1373 '63.

Calculating walls of reinforced concrete bunkers according to tables compiled on the basis of limit stresses. L. P. Zhdakhin. Trudy Ural. politekh. inst. no. 131: 20-28 '63.

Calculation of reinforced concrete columns of single-story industrial buildings for crane load. Iu. A. Kashirskii. Trudy Ural. politekh. inst. no. 131:12-19 '63.

Calculation of stresses in a wall of a corner silo under the action of forces applied from below. A. M. Trukhlov, M. M. Osipov. Bet. i zhel.-bet. 9 no. 10:469-475 O '63.

Critical value of uniformly distributed longitudinal forces for certain cases of the fastening of compressed-support ends. V. M. Makushin. Rasch. na prochn. no. 9.253-269 '63.

Determination of stresses in a configurated strip in case of a nonlinear relation of stresses and deformations. Iu. V. Gliavin, A. N. Uspenskaia. Trudy GPI 17 no. 3. 80-87 '61.

Determining strength potentialities in case of unsteady changes in variable stresses. R. S. Kinasoshvili. Rasch. na prochn. no. 9:327-338 '63.

Determining stress relaxation in wire rope strands used for prestressing of reinforcements. L. A. Krasil'nikov, N. V. Sokolov, A. G. Lysenko. Sbor. trud. TSNIICHM no. 32:192-195 '63.

Determining the dynamic "stress - strain" curve with an inflection point. K. A. Kerimov. Dokl. AN Azerb. SSR 19 no. 4:11-16 '63.

Direction of normal and tangential stresses producing tectonic fractures. G. S. Avakian. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 4/5:55-61 '63.

Distribution of stresses, deformations, and compactness of embankments in soils undergoing compaction by ramming plates. L. M. Bobylev. Osn., fund. i mekh. grun. 5 no. 6.1-4 '63.

STRAINS AND STRESSES (Continued)

Durability of materials under stress relaxation. L. P. Nikitina. Zav. lab. 29 no. 11:1344-1347 '63.

Effect of the rigidity of joints on reinforced concrete trusses of rectangular and trapezoid contour. IU. A. Kashkil'skii. Trudy Ural. politekh. inst. no. 131:5-11 '63.

Experimental investigation of stresses and elastic deformations of the 6ChRP 25/34 marine diesel engine crankshaft. G. N. Chernykh. Sudostroenie 29 no. 11:23-25 N '63.

Investigating the stressed state of an ingot-mold wall depending on the degree of freedom of bending deformation. V. V. Abramov, L. K Datchikova, O. M. Lazareva. Trudy GPI 17 no. 3 32-40 '61.

Methods of relaxation testing. L. P. Nikitina. Zav. lab. 29 no. 11:1345-1352 '63.

Problem of estimating the stability of unsupported shafts of circular cross section. M. A. Dolgikh, K. V. Ruppeneit. Osn., fund. i mekh. grun. 5 no. 5:16-19 '63.

Processing the results of tests for stress relaxation in metals. A. M. Borzdyka Zav. lab. 29 no. 11 1357-1359 '63.

Rakhman, B. M. [Determining relaxation characteristics on bolted joint models] Opredelenie kharakteristik relaksatsii na modeliakh boltovykh soedinenii. Leningrad, 1963. 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Metallovedenie i termicheskaia obrabotka, no. 2)

Relationship between stress concentration and the quality of the machining of surfaces of parts. V. A. Palmov. Izv. AN SSSR. Mekh. i mashinostr. no. 5:60-66 S-O '63.

Residual stresses in the surface layer of steel parts machined on lathes. V. N. Timofeev, V. S. Vinogradov. Trudy GPI 17 no. 4:69-74 '61.

Solution of certain problems on stress concentration in the theory of elasticity. V. L. Dobrovol'skii. Inzh. zhur. 3 no. 4:732-738 '63.

Strength and deformations of doweled joints in large-panel structures. F. G. Bliuger, IU. B. Morozov. Bet. i zhel.-bet. 9 no. 10:455-458 O '63.

Stressed state in transverse forging. V. P. Severdenko, B. A. Kaledin. Dokl. AN BSSR 7 no. 5:320-323 My '63.

Testing for relaxation at high temperatures. L. B. Getsov. Zav. lab. 29 no. 11:1352-1354 '63.

Transition processes in systems with elastoplastic connections. P. H. Likhovyd. Prykl. mekh. 9 no. 6: 638-648 '63.

Use of prestressing in hull structures. V. N. Shats. Sudostroenie 29 no. 10:52-54 O '63.

STRAINS AND STRESSES—MEASUREMENT

Hydraulic differential strainmeter. G. A. Piskorskii, IA. F. Cherednichenko. Izv. vys. ucheb. zav., tekh. leg. prom. no. 5:123-131 '63.

STRANGLING

Reactive changes in the vagus nerves in strangulation. I. A. Kontsovich, K. S. Kabak. Sud.-med. ekspert. 6 no. 4:10-16 O-D '63.

STRAUS, FRANZ JOSEF, 1915-

Notorious revanche plotter. Oleksa Nosenko. Ukraina no. 12:26 Je '62.

STRAW

Production of protein-carbohydrate fodder from straw and corncobs [with summary in English on p. 165]. L. I. Komarova, K. A. Vasil'eva, P. N. Fisher. Sbor. trud. NIICS 11:49-57 '63.

STRAW—MICROBIOLOGY

Determining the toxicity of straw contaminated with the fungus Stachybotrys alternans. T. IA. Sivolozhskii, M. M. Litvin. Nauch. trudy Uch. chasti UASHN 27 no. 19:112-117 '62.

STRAWBERRIES

Lengthening the season of strawberry processing. A. A. Il'inskii. Kons. i ov. prom. 18 no. 11:36-37 N '63.

STREAM CROSSING, MILITARY

Forced crossing on the march. A. TSirlin. Voen. vest. 43 no. 10:16-20 O '63.

STREAM MEASUREMENTS

Determining the average velocity of currents by computation. P. Lisovskii. Rech. transp. 22 no. 10:44 O '63.

STREET LIGHTING
(see also subdivision under Moscow)

Lighting of drive ways at buildings in newly constructed developments. A. D. Korablev, E. E. Khabarov. Svetotekhnika 9 no. 11:29-30 N '63.

STREET RAILWAYS

Semiautomatic machine for the electric slag welding of streetcar rails on the track. V. I. Svetlopolianskii. Avtom. svar. 16 no. 10:73-75 O '63.

STREETCARS—BRAKES

Investigating the recuperative braking system for streetcars. G. Sh. Aliev. Za tekh. prog. 3 no. 10:10-13 O '63.

STRENGTH OF MATERIALS

Durability of materials under stress relaxation. L. P. Nikitina. Zav. lab. 29 no. 11:1344-1347 '63.

Evaluating the resource of a structure under the action of random loads. V. V. Bolotin. Rasch. na prochn. no. 9:302-326 '63.

Feodos'ev, V. I. [Strength of materials] Soprotivlenie materialov. Izd. 3., ispr. i dop. Moskva, Fizmatgiz, 1963. 539 p.

Methods of relaxation testing. L. P. Nikitina. Zav. lab. 29 no. 11:1348-1352 '63.

Praydiuk, N. F., and P. A. Platonov. [Stress-rupture strength of copper following irradiation] Izuchenie dlitel'noi prochnosti medi posle obluchenija. Moskva, In-t atomnoi energii, 1960. 15 p.

Stressed state and strength of main shafts of single-column crank presses. V. P. Andronov. Trudy GPI 17 no. 3:97-106 '61.

Theory of strength. L. K. Luksha. Dokl. AN BSSR 7 no. 5:301-304 My '63.

Theory of the hardening of ordered solid solutions. E. V. Kozlov, L. E. Popov. Dokl. AN SSSR 152 no. 3:595-597 S '63.

Thermomechanical treatment of machine parts to protect them from the weakening effects of surface-active media. M. I. Chaevskii, V. F. Shatinskii, V. V. Popovich. Dokl. AN SSSR 152 no. 5:1096-1099 O '63.

STREPTOMYCIN

Adaptation of local strains of paratyphoid B and Breslau bacilli to levomycetin and streptomycin under different conditions of culture. E. G. Livkina, O. V. Gotokhova Trudy Khab. med. inst. 23 no. 2,75-79 '62.

One neglected aspect of the action of streptomycin. G. S. Kan. Trudy inst. norm. i pat. fiziol. AMN SSSR 1 156-169 '59.

Streptomycin and BCG therapy of guinea pigs infected with various doses of Mycobacterium tuberculosis [with summary in French]. R. Radanov, P. Dobrev. Probl. tub. 40 no. 6:91-95 '62.

Study of the natural variability in "transactive" phage-resistant variants of producers of streptomycin [with summary in English]. A. F Teteriatnik, S. I. Alikhanian, Z. G. Oleneva. Antibiotiki 7 no. 10:859-863 O '62.

Use of streptomycin in the prevention of acute radiation sickness [with summary in English]. L. F. Semenov. Antibiotiki 7 no. 10:912-916 O '62.

STREPTOMYCIN—TOXICOLOGY

Allergic reaction after a single injection of streptomycin. A. IA. Fishchenko. Khirurgiia 39 no. 7 124-125 Jl '63.

Toxic effect of streptomycin on a macroorganism. L. G. Popova. Trudy inst. norm. i pat. fiziol. AMN SSSR 1:175-179 '59.

STRESS (PHYSIOLOGY)

Dissecting aortic aneurysm as a result of physical overexertion. F. P. Ol'gina, T. F. Koshik, V. P. Nechiporenko. Vrach. delo no. 11:121-122 N '63.

Dynamics of stress in the myocardium in compensatory hyperfunction and insufficiency of the heart from overwork. F. Z. Meerson and others. Zhur. eksp. i klin. med. 3 no. 4:13-23 '63.

Effect of dynamic and static load on the motor activity of the stomach in its functional disorders. A. F. Polianichko. Eksp. issl. po fiziol., biokhim. i farm. no. 3:99-105 '61.

Effect of work on patients with heart defects [with summary in English]. F. I. Karamyshev. Klin. med. 40 no. 11:68-76 N '62.

Hemorrhages and necroses in the myocardium in excessive physical strain, clinicoanatomical studies [with summary in English]. G. P. Shul'tsev, M. I. Teodori. Arkh. pat. 25 no. 6:33-38 '63.

Mechanism of the cutaneous galvanic reflex in muscular tensions. A. G. Markin. Eksp. issl. po fiziol., biokhim. i farm. no. 3:171-184 '61.

Morphological tests of the stress reaction in the human myocardium [with summary in English]. K. M. Danilova. Arkh. pat. 25 no. 7:42-49 '63.

Myocardial infarct and physical stress [with summary in English]. M. I. Teodori, K. F. Vlasov. Terap. arkh. 35 no. 5:3-10 My '63.

Role of the adrenals and sympathetic nervous system in fat mobilization in stress states [with summary in English]. S. M. Leites, Chzhou Su [Chou Su]. Probl. endok. i gorm. 9 no. 5:30-35 S-O '63.

Significance of prolonged functional stress of the central nervous system in the development of arteriosclerosis in dogs. P. S. Khomulo. Dokl. AN SSSR 152 no. 3: 727-728 S '63.

STRIKES AND LOCKOUTS see subdivision under France; Leningrad; Turkey

STRIKES AND LOCKOUTS—MINERS see subdivision under Spain

STRIKES AND LOCKOUTS—STATISTICS see subdivision under Leningrad

STRIKES AND LOCKOUTS—TRANSPORT WORKERS see subdivision under Dublin

STRIP MINING

Tartakovskii, B. N., and B. G. Sellanin. [Mining minerals by the open cut method] Razrabotka mestorozhdenii poleznykh iskopaemykh otkrytym sposobom. Moskva, Gosgortekhizdat, 1963. 194 p.

STRIP MINING—PRODUCTION STANDARDS

Studying the establishment of norms of developed reserves for the open pit mining of Bazhenovo asbestos deposits. F. P. Sofronov. Trudy NIIasbest no. 2,30-69 '62.

STRIP MINING—TECHNOLOGICAL INNOVATIONS see subdivision under Kazakhstan

STRONGYLOIDIASIS

Epizootiology, pathogenesis, and chemical prevention of strongyloidiasis of sheep. K. M. Ellseev. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:56-59 S '63.

STRONTIUM ISOTOPES—ANALYSIS

Simple method for the isolation of radioactive strontiums and barium [with summary in English]. F. Bakacs-Polgar, I. Kurcz-Csiky. Zhur. anal. khim. 18 no. 10: 1206-1210 O '63.

STRONTIUM TITANATE

Structure of solid solutions of $SrTiO_3$-Bi_2O_3·$3TiO_2$. K. V. Kiseleva, S. V. Bogdanov. Fiz. tver. tela 5 no. 11: 3133-3137 N '63.

STRUCTURAL ALUMINUM see Aluminum, Structural

STRUCTURAL FRAMES

Design of frames with graduated supports for stability. G. I. Rozenblat. Stroi. mekh. i rasch. soor. 4 no. 1:30-36 '62.

Design of residential and industrial buildings for uneven settling of the foundation. A. I. IUshin. Stroi. mekh. i rasch. soor. 4 no. 1:40-44 '62.

Generalized coefficients of elastic fastening for studying the stability of fixed frames. A. D. Lizarev. Stroi. mekh. i rasch. soor. 4 no. 1:25-30 '62.

"Minimum-weight design of frames for temporary loads." S. P. Fesik. Nauch. trudy KHIIT no. 59:33-46 '62.

"Minimum weight of composite frames." IU. P. Kitov. Nauch. trudy KHIIT no. 59:47-64 '62.

STRUCTURAL STEEL see Steel, Structural

STRUCTURES, THEORY OF

"Reverse problem of the theory of structures." S. P. Fesik. Nauch. trudy KHIIT no. 59:22-32 '62.

Strength analysis of coverings curvilinear in plan. A. V. Utkin. Trudy GPI 17 no. 3:54-62 '61.

STRUCTURES, THEORY OF—BIBLIOGRAPHY see Bibliography—Structures, Theory of

STRUVE, OTTO LUDVIGOVICH, 1897-1963

O. L. Struve; obituary. B. V. Kukarkin, P. G. Kulikovskii. Astron. zhur. 40 no. 6:1126-1129 N-D '63.

STRYCHNINE—TOXICOLOGY

Reflex effects of the skeletal muscles on the respiratory and cardiovascular systems in strychnine poisoning. E. G. Uritskaia. Eksp. issl. po fiziol., biokhim. i farm. no. 3:193-202 '61.

STUDENT ACTIVITIES
(see also subdivision under Yakutia)

Communist Youth League and Pioneer clubs in schools. V. Strunin. Nar. obr. no. 9:72-76 S '63.

Development of independent activity in a class collective. N. IA. Skomorokhov. Sov. pedag. 27 no. 10:38-45 O '63.

It is interesting in the school of volunteer instructors! V. Nosova. IUn. tekh. 8 no. 11:52-55 N '63.

Prerequisites and methods for the development of the organizational abilities of students. A. S. Kosarev. I. I. Umanskii. Sov. pedag. 27 no. 11:34-41 N '63.

Romantic of the search. K. Iosifov. Kul't. i zhizn' 7 no. 11:12-15 '63.

And we have a day with longer hours. V. Kondrashov. Nar. obr. no. 12:67-69 D '63.

STUDENT EMPLOYMENT

A student becomes an engineer. A. Shatilov. Komsom. zhizn' no. 19:24-25 O '63.

University students' practice in industrial enterprises. A. Tarasov. Sov. iust. no. 18:20-21 S '63.

STUDENTS
(see also subdivision under France)

Our students have seen much and know much. IU. IU. Batii. Sred. spets. obr. 10 no. 11:45 N '63.

"Students, university and basic problems of the present day." N. V. Obotov. Vest. vys. shkoly. 21 no. 11:81-87 N '63.

STUNT FLYING
Reverse piloting. Vladislav Lotchikov. Smena 40 no.17:31 S '63.

STYRENE
Effect of the simultaneous presence of styrene and nekal on the flavor of water. V. A. Mukinov. Trudy Vor. med. inst. 47:34-35 '62.

Scintillators for beta-ray counting made on the basis of polystyrene. L. F. Zubareva, Liu Ch'un-ven' [Liu Chung-wên]. Prib. i tekh. eksp. 8 no. 5 78-81 S-O '63.

STYRENE—TOXICOLOGY
Clinical aspects, laboratory diagnosis and treatment of hepatitis resulting from chronic exposure to styrene. B. IA. Kats. Trudy Vor. med. inst. 47:78-79 '62.

Diseases of workers exposed to styrene. B. IA. Kats, A. M. Pavlenko. Trudy Vor. med. inst. 47:73-75 '62.

Some characteristics of chronic intoxication by styrene. A. S. Faustov. Trudy Vor. med. inst. 47:71-72 '62.

STYRENE POLYMERS
All-Union Conference on Polystyrene Plastics. Plast. massy no. 11:74 '63.

Effect of mechanical factors on the rate of crystallization of isotactic polystyrene. A. A. Frolova, P. V. Kozlov, V. A. Kargin. Dokl. AN SSSR 153 no. 2:394-397 N '63.

Investigation of the basic technological parameters of polystyrene injection molding with precompression of a molten material. N. I. Ilasov, IU. V. Kazankov, L. I. Pelipchuk. Plast. massy no. 11:23-29 '63.

Preparation of a conducting plastic material. Part 1: *Copper coating of polystyrene.* V. I. *Shorokhova, L. L.* Kuz'mina. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6, no. 5:816-822 '63.

STYRENE POLYMERS—THERMAL PROPERTIES
Aging of polystyrene plastics. Thermal stability of polystyrene polymers. E. I. Kirillova and others. Plast. massy no. 11:3-6 '63.

SUBBOTIN, VASILII
Sudden simplicity. Stanislav Ivanovskii. Znamia 33 no.5:221-222 Je '63.

SUBMARINE BOATS—EQUIPMENT AND SUPPLIES
Diving lasers. L. IUrasov, G. Shkil'ko, IUn. tekh. 6 no. 11:40-51 N '63.

SUBMARINE PHOTOGRAPHY see Photography, Submarine

SUBMARINE WARFARE
Trials, V. F. [Submariners of the Baltic attack: military memoirs] Podvodniki Baltiki atakuiut; voennye memuary. [Leningrad] Lenizdat, 1963. 333 p.

SUBSTITUTES FOR METALS see Metals, Substitutes for

SUBSTITUTION (CHEMISTRY)
Calculating the extension of the hydrogen bond in isotopic substitution in ice. V. A. Savel'ev, N. D. Sokolov. Fiz. tver. tela 5 no. 11:3273-3276 N '63.

SUBURBS
Kamenskii, V. A., and others. [Suburban zones of large cities] Prigorodnye zony krupnykh gorodov. Leningrad, Gosstroiizdat, 1963. 148 p.

SUBWAYS see subdivision under Moscow

SUBWAYS—CROSSINGS
Milan method of constructing tunnels and underground crossings. I. V. Kononov, V. A. Gol'dgor. Transp. stroi. 13 no. 9:70-72 S '63.

SUCCINIC ACID
Analysis of the surface-active derivatives of alkenylsuccinic acid by titration in a nonaqueous medium. A. I. Malyshev, O. K. Smirnov. Zav. lab. 29 no. 10:1173-1174 '63.

SUCCINIC DEHYDROGENASE
Distribution of the succinic dehydrogenase and DPN-diaphorase in the reticular brain formations of some mammals. E. I. Il'ina-Kakueva. Dokl. AN SSSR 152 no. 5:1267-1269 O '63.

SUCROSE
Using the polarimetric method for determining saccharose content of dairy products. G. Vigintaite. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:152-154 '63.
Water-sugar solutions. S. E. Kharin, A. A. Kniga. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:47-51 '63.

SUCROSE—ANALYSIS
Determining saccharose content in the presence of invert sugar by the method of direct polarization. I. F. Bugaenko. Sakh. prom. 37 no. 10:57 O '63.

SUESS, EDUARD, 1831-1914
Creative cooperation; correspondence between V. A. Obruchev and E. Suess. S. V. Obruchev. Priroda 52 no. 10:51-58 '63.

SUFFOCATION see Asphyxia

SUGAR—ANALYSIS AND TESTING
Improving the method for determining the chromaticity of sugar products. S. Z. Ivanov, A. R. Sapronov, V. G. Cheranikina. Sakh. prom. 37 no. 10.5-11 O '63.
Using the method of 1:1 dilution for the simplification of the analysis of sugar products. N. A. Arkhipovich, V. N. Bondarevskaia, V. P. Podkolzina. Sakh. prom. 37 no. 10.33-34 O '63.

SUGAR—PRICES
Sugar fever. Sakh. prom. 37 no. 10:58 O '63.

SUGAR—TRANSPORTATION
What is the advantage of unloading raw sugar transported in bulk? S. Gel'fond. Mor. flot 23 no. 11 15-16 N '63.

SUGAR BEETS
(see also subdivision under Moscow Province; Ukraine)
Characteristics of the distribution of sugar in the root of the monospermous sugar beet under irrigation. N. A. Nechiporenko, G. I. Prokudina. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:3-10 S '63.
Machines for work in the production of sugar beet seeds. M. Samoilov, G. IAkimenko. Tekh. v sel'khoz. 23 no. 9:14-21 S '63.
Role of biology, breeding, and agricultural practices in increasing the sugar content of sugar beets [with summaries in English, German, and French]. N. I. Orlovskii. Vest. sel'khoz. nauki 8 no. 6:30-36 Je '63.
Some data on the economics of manual labor in applying herbicides in sugar beet plantations. D. I. Chkanikov. Dokl. TSKHA no. 47:133-138 '59.

SUGAR BEETS—CLEANING
The KGP-2 potato harvesting combine in the finishing cleaning of sugar beets. A. Korobeinikov, L. Loktev. Tekh. v sel'khoz. 23 no. 10:73-74 O '63.

SUGAR BEETS—HARVESTING
(see also subdivision under Zhitomir Province)
Continuous harvesting of sugar beets. V. Gerasimchik, A. Terekhov. Tekh. v sel'khoz. 23 no. 10:13-14 O '63.
Harvesting sugar beets by stages. V. Doman'kov, I. Lepeshko. Tekh. v sel'khoz. 23 no. 10:4-12 O '63.
Machines for harvesting sugar beet seed plants. S. Bogachev. Tekh. v sel'khoz. 23 no. 10:43-46 O '63.
The SKD-3 beet-lifting combine. N. P. Petrenko. Mashinostroenie no. 6:84-86 N-D '63.

SUGAR BEETS—IRRIGATION see subdivision under Ukraine

SUGAR BEETS—PRICES
Take into consideration sugar content in determining payments. V. Malashevich. Ekon. sel'khoz. 34 no. 11: 82-85 N '63.

SUGAR BEETS—STORAGE
Problem deserving attention. E. M. Gritsenko and others. Sakh. prom. 37 no. 10:28-33 O '63.

SUGAR BEETS—TRANSPORTATION
The SNT-2, 1 sugar beet loader mounted on the SK-3 combine. V. Kalinin. Tekh. v sel'khoz. 23 no. 10:75-76 O '63.

SUGAR FACTORIES—DESIGN AND CONSTRUCTION
Improving the design of the circuits for sugar beet feeding and for the purification of the second wash waste waters. D. G. Grinfel'd. Sakh. prom. 37 no. 10:11-14 O '63.

SUGAR INDUSTRY
(see also subdivision under Gindeshty)
Let's give more sugar to the country. Sakh. prom. 37 no. 10:1-4 O '63.

SUGAR INDUSTRY—CONGRESSES
Twelfth International Congress on Sugar organized by the International Commission of Sugar Technology, IU. D. Golovniak, P. M. Silin. Sakh. prom. 37 no. 10: 59-63 O '63.

SUGAR INDUSTRY—LABOR PRODUCTIVITY
Special feature exhibition on the "Ways to increase labor productivity in the sugar industry." G. Khramova. Sakh. prom. 37 no. 10:63-66 O '63.

SUGAR INDUSTRY—MANAGEMENT
Readers' conference concerning the book "Analysis of the economic activities of the enterprises of the sugar industry." Sakh. prom. 37 no. 10:65-68 O '63.
Review of V. I. Kuts and K. K. Leonova's book "Analysis of the economic activities of the enterprises of the sugar industry." A. I. Korchinskii. Sakh. prom. 37 no. 10:69-72 O '63.

SUGAR MACHINERY
Studying the heat transfer in the preheaters of sugar factories. N. IU. Tobilevich, I. I. Sagan', V. T. Gariazha. Sakh. prom. 37 no. 10:20-26 O '63.
Using motortruck transportation in harvesting sugar beets. IA. Shkliar, R. Khabatov. Tekh. v sel'khoz. 23 no. 9.68-71 S '63.

SUGAR MACHINERY—TESTING
Testing of a new continuous centrifuge. N. I. Tombaev, Z. IU. Gaberman. Sakh. prom. 37 no. 10 53-57 O '63.

SUGAR MANUFACTURE
Heat conductivity, temperature conductivity, and heat capacity of spent liquor. A. M. Chernyi, E. L. Zarechanskii. Izv. vys. ucheb. zav., pishch. tekh. no. 5.124-125 '63.
Musolin, K. I. [Nomograms on the technology and technological control of sugar manufacture] Nomogrammy po tekhnologii i tekhnokhimicheskomu kontroliu sakharnogo proizvodstva, Moskva, Pishchepromizdat, 1963. 81 p.
Problem deserving attention. E. M. Gritsenko and others. Sakh. prom. 37 no. 10:28-33 O '63.
Review of P. G. Galabutskii and A. A. Gerasimenko's book "Methods of analysis and chemical and technological control in beet-sugar manufacture." G. S Benin. Sakh. prom. 37 no. 10 72-73 O '63.
Review of V. Faber and J. Hartl's book "Refining of raw cane sugar." I. F. Bugaenko. Sakh. prom. 37 no. 10: 74 O '63.
Unsatisfactory design and poor performance of the VTs-58 evaporating apparatus. A. F. IAkimov. Sakh. prom. 37 no. 10:14-20 O '63.

SUGGESTION SYSTEMS
(see also subdivision under Leningrad; West Kazakhstan Territory)
Criteria for efficiency suggestions and procedures for assigning suggestions to efficiency categories. Biul. Gos. kom. po vop. truda i zar. platy no. 11 14-15 '63.
For technological progress. D. Lachkov. Nar. khoz. Kazakh. 21 no. 9.48-49 S '63.
Our foreman. D. Ushakov. Nar. khoz. Kazakh. 21 no. 9: 35-36 S '63.
Procedures for fund accumulation and bonus payments for aiding the introduction of inventions and efficiency suggestions. Biul. Gos. kom. po vop. truda i zar. platy no. 11.11-13 '63.

SUKHE BATOR—WOODWORKING INDUSTRIES
Woodworking combine stands for work. B. Dontor. *Sovr. Mong. 4 no. 10-45-47 O '59.*

SUKHONA RIVER—ISLANDS
Islands in the Sukhona River. N. Antipov. Volog. krai no. 3:176-179 '62.

SULFANILAMIDE
Effect of antidiabetic sulfanilamide preparations on fat and lipoid metabolism in diabetes mellitus. E. E. Trunchenkova. Klin. med. 41 no. 7 63-67 Jl '63.
Effect of sulfanilamide on calcium metabolism in calcified tissues. N. A. Zhizhina. Teor. i prak. atom. no. 5:100-104 '61.
Treatment of diabetes mellitus patients with cyclamide (K-386) [with summary in English]. T. S. Grinchenko. Probl. endok. i gorm. 9 no. 5:81-85 S-O '63.

SULFATES
Pharmacology of framycin sulfate [with summary in English]. I. A. Storozhev, S. I. Edel'shtein, R. A Veis. Antibiotiki 7 no. 10 896-900 O '62.

SULFIDES
Experimental study of the mode of occurrence of thallium in the oxidation zone of sulfide deposits. N. I. Razenkova, G. F. Galaktionova. Trudy IMGRE no. 18:5-19 '63.
Thermodynamic analysis of reactions involved in the autoclave leaching of sulfides. A. S. IAroslavtsev, P. M. Shurygin, V. L. Smirnov. Dokl. AN SSSR 153 no. 2 408-411 N '63.

SULFITE LIQUOR
Preparation of vanillic acid for the synthesis of polymeric fibers [with summary in English on p. 167]. O. D. Kamaidina, V. E. Volynskii. Sbor. trud. NIIGS 11:106-118 '63.
Upgrading of sulfite liquor for the biosynthesis of antibiotics [with summary in English on p. 167]. S. A. Sapotnitskii, N. V. Glushchenko. Sbor. trud. NIIGS 11: 102-105 '63.

SULFITES
Heats of formation of strontium, lead, and silver sulfites [with summary in English]. A. A. Shidlovskii, A. A. *Voskresenskii. Zhur. fiz. khim.* 37 no. 9:2062-2063 S '63.

SULFOMETHYLATION
Sulfoxymethylation of pigments. V. F. Borodkin, S. S. Kuznetsov, L. N. Smirnov. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6 no. 5:847-850 '63.

SULFONATION
Dependence of the concentration of spent sulfuric acid on the extent and selectivity of sulfonation. L. G. Reznikov, N. A. Kurasova. Trudy NIISZHIMSa no. 3:9-15 '62.

SULFONATION (Continued)

Dependence of the magnitude of heat emission on the extent and selectivity of the sulfonation reaction. I. G. Reznikov. Trudy NIISZHIMSa no. 3:5-9 '62.

SULFONIC ACIDS

Effect of alkylolamide admixtures on the properties of alkyl aryl sulfonates. D. B. Orochkin, N. V. Popova, O. F. Shepot'ko. Masl.-zhir. prom. 28 no. 10 27-28 O '62.

SULFUR

Comparison of some economic indices in the operation of shops for sulfur removal by potassium carbonates and soda potassium carbonate mixtures. N. N. Gorokhov. Koks i khim. no. 11:48-49 '63.

Roasting of Rozdol sulfur ores in a fluidized bed. Iu. P. Bernatskii, V. A. Naidenova. Sbor. mat. po obm. opyt. NIUIF no. 12:43-52 '59.

SULFUR--ANALYSIS

Determination of sulfur in organic compounds by the pyrolytic tube method. L. I. Gulianeva, A. P. Vinogradova. Zav. lab. 29 no. 10:1160 '63.

SULFUR--THERAPEUTIC USE

Epizootiology, pathogenesis, and chemical prevention of strongyloidiasis of sheep. K. M. Eliseev. Vest. sel'khoz. nauki (Kazakh.) 6 no. 9:56-59 S '63.

SULFUR BACTERIA see Bacteria, Sulfur

SULFUR DIOXIDE

Entropy of the active complex in the oxidation of sulfur dioxide on a platinum catalyst. G. I. Golodets. Kin. i kat. 4 no. 5:776-779 S-O '63.

Thermal dissociation of $FeSO_4$ in suspension. S. N. Ganz, A. I. Luk'ianitsa. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 5:811-815 '63.

SULFUR INDUSTRY--TECHNOLOGICAL INNOVATIONS see subdivision under Nikolayev (Lvov Province)

SULFUR ORGANIC COMPOUNDS

Determination of sulfur in organic compounds by the pyrolytic tube method. L. I. Gulianeva, A. P. Vinogradova. Zav. lab. 29 no. 10:1160 '63.

SULFURIC ACID

Dependence of the concentration of spent sulfuric acid on the extent and selectivity of sulfonation. I. G. Reznikov, N. A. Kurasova. Trudy NIISZHIMSa no. 3 9-15 '62.

Detergency of aqueous solutions of alkyl sulfates from the alcohols of the direct oxidation of syntaine in the removal of fatty stains. Report No. 1. M. P. Bespiatov, Zh. IA. Leshchenko. Trudy NIISZHIMSa no. 3:34-40 '62.

Experience in rendering harmless the exhaust gases of tower acid plants. M. D. Liberman. Sbor. mat. po obm. opyt. NIUIF no. 12:32-42 '59.

New method for the denitration of sulfuric acid. S. G. Faingol'd, N. A. Leonova. Koks i khim. no. 11: 44-46 '63.

Powdered "Molodost'" shampoo based on purified sodium alkyl sulfates of synthetic secondary alcohols. I. K. Gotmanskii, I. K. Vagina, V. M. Kuprianov. Trudy NIISZHIMSa no. 3:95-96 '62.

Processing of a waste alkylation acid according to a simplified thermal method. K. A. Buriak, A. G. Amelin. Sbor. mat. po obm. opyt. NIUIF no. 12:66-87 '59.

Recovery of selenium from strong acids of contact acid section of the Konstantinovka chemical plant. V. I. Bagaev, F. R. Mikhailovskaia, L. V. Timofeeva. Sbor. mat. po obm. opyt. NIUIF no. 12:62-67 '59.

Relation between the critical concentration in micelle formation and the surface activity of the aqueous solutions of primary and secondary alkyl sulfate mixtures. M. P. Bespiatov, Zh. IA. Leshchenko. Trudy NIISZHIMSa no. 3:41-49 '62.

Solubilization capacity of the aqueous solutions of alkyl sulfates from the alcohols of the direct oxidation of paraffins. M. P. Bespiatov, Zh. IA. Leshchenko. Trudy NIISZHIMSa no. 3:29-33 '62.

SULFURIC ACID INDUSTRY

Survey of tower acid sections for 1957. IU. P. Bernadskii, P. I. Pol'shchikova. Sbor. mat. po obm. opyt. NIUIF no. 12:10-23 '59.

SULFURIC ACID INDUSTRY--EQUIPMENT AND SUPPLIES

Controlling dust deposits from cooling screw conveyors for the removal of cinders. IU. I. Sobchuk. Sbor. mat. po obm. opyt. NIUIF no. 12:24-27 '59.

SUMGAIT--CHEMICAL INDUSTRIES

The young city of chemistry. N. Balakishiev. Part. zhizn' no. 21:30-35 N '63.

SUMGAIT--RESINS, SYNTHETIC

Master of a magic city. L. Vladimirov. Znan. sila 38 no. 10:20-25 O '61.

SUMY--MILITARY EDUCATION

Sumy Artillery Technical School is 45 years old. A. Degtiarev. Voen.-ist. zhur. 5 no. 11:119-121 N '63.

SUN

Determination of the solar velocity in relation to stars of different spectral types and luminosity classes [with summary in English]. E. D. Pavlovskaia. Astron. zhur. 40 no. 6:1112-1122 N-D '63.

Supposed seismicity of the earth and the zone south of 40° S in the period of the International Year of Quiet Sun. A. D. Sytinskii. Inform. biul. Sov. antark. eksp. no. 42 33-35 '63.

Telescope of the periodical "Nauka i zhyttia." Nauka i zhyttia 13 no. 10:54-55, 61 N '63.

SUN--ATMOSPHERE

Determination of chemical composition of the solar atmosphere [with summary in English]. R. B. Teplitskaia, V. A. Vorob'eva. Astron. zhur. 40 no. 6:1016-1024 N-D '63.

SUN--MAGNITUDE

Determining the stellar magnitude of the sun in three-color systems on the basis of absolute spectrophotometric observations [with summary in English]. Z. V. Kariagina, A. V. Kharitonov. Astron. zhur. 40 no. 6: 1123-1125 N-D '63.

SUN--OBSERVATIONS

Phenomena observed in the photosphere in the region beneath a flocculus before the appearance of sunspots [with summary in English]. G. IA. Vasil'eva. Izv. GAO 23 no. 2. 3-16 '63.

SUN--PROMINENCES

Excitation of sodium and helium atoms and calcium ions (CaII) in an active prominence [with summary in English]. V. A. Krat, M. N. Stoianova. Izv. GAO 23 no. 2 42-46 '63.

SUN YAT-SEN, 1866-1925

Sun Yat-sen's attitude toward Soviet Russia [with summary in English, p. 221]. S. L. Tikhvinskii. Vop. ist. 71-85 D '63.

SUNFLOWER SEED

Treatment of sunflower seed shells in a continuous horizontal pilot hydrolyzer [with summary in English on p. 164]. V. A. Efimov, M. N. Molchanova, V. I. Sharkov. Sbor. trud. NIIGS 11.16-22 '63.

SUNFLOWER SEED--ANALYSIS

Simplified method for the preparation of sunflower seed samples for oiliness analysis. V. A. Gordienko, D. I. Rashkovan. Masl.-zhir. prom. 28 no. 10 16-17 O '62.

SUNFLOWER SEED--DRYING

Effect of the flow rate of the heat carrier on the rate of drying of sunflower seeds. V. M. Kopeikovskii, V. K. Kostenko. Masl.-zhir. prom. 28 no. 10 13-16 O '62.

SUNFLOWER SEED--STORAGE

Effect of the vitality of the sunflower seeds with high oil content on their keeping quality in storage. V. M. Kopeikovskii, V. K. Kostenko. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:14-18 '63.

SUNFLOWER SEED OIL

Refining of sunflower seed oil with sodium silicate. T. A. Indelkina, M. V. Boldyreva. Masl.-zhir. prom. 29 no. 10:33-35 O '63.

SUNFLOWERS

Method for the acceleration of the ripening of sunflowers. R. I. Smirnova. Masl.-zhir. prom. 29 no. 11:12-13 N '63.

SUNSPOTS

Longitudinal distribution of sunspot group areas in the northern and southern solar hemispheres [with summary in English]. A. IA. Bezrukova. Izv. GAO 23 no. 2:57-65 '63.

Measurements of the magnitude and direction of the magnetic field in the region of sunspots [with summary in English]. B. A. Ioshpa, V. N. Obridko. Astron. zhur. 40 no. 6:1013-1015 N-D '63.

Relationship between the temperature and area of sunspot umbrae [with summary in English]. V. I. Makarov. Izv. GAO 23 no. 2:47-56 '63.

SUPERCONDUCTIVITY

Solov'ev, V. G. [Effect of pair correlations of the superconductive type on the properties of atomic nuclei] Vliianie parnykh korreliatsii sverkhprovodiashchego tipa na svoistva atomnykh iader. Moskva, Gosatomizdat, 1963. 74 p.

SUPERFLUIDITY

Description of the superfluidity of an atomic nucleus by the method of variational S-matrix derivatives. S. G. Kadmenskii, L. P. Rapoport. Izv. vys. ucheb. zav.; fiz. no. 5:43-49 '63.

SUPERMARKETS

Recommendations for the organization of self-service grocery stores (conclusion). Equipment of a sales area. Distribution and layout of goods in a sales area. Advertising and the decoration of a sales area. Organization of work in a store. Liability system. Sov. torg. 37 no. 11:49-57 N '63.

SUPPLY AND DEMAND

For closer ties between trade and production. E. Narbekova. Plan khoz. 40 no. 11:63-69 N '63.

SUPPURATION

Clinical use of hydrolysin L-103. L. N. Peshkar'. Vest. khir. 91 no. 7:68-69 Jl '63.

Decrease in the incidence of suppurative diseases at a machinery plant. I. P. Bezukladnyi. Trudy Vor. med. inst. 47 104-105 '62.

Hemotherapy in the compound treatment of purulent surgical diseases [with summary in English]. A. S. Kukol'. Vest. khir. 90 no. 6:3-8 Je '63.

Mediastinotomy in suppurative posterior mediastinitis [with summary in English]. A. A. Chervinskii. Khirurgiia 39 no. 7:112-115 Jl '63.

Otogenic suppurative meningitis. D. L. Rivin. Zdrav. Bel. 9 no. 3:56-58 Mr '63.

Suppurative diseases of the fingers in industry and their treatment and prophylaxis. D. P. Pil'kh. Med. sestra 22 no. 10:21-26 O '63.

Treatment of acute suppurative diseases of the hand by intraosseous introduction of antibiotics in a novocaine solution [with summary in English]. M. M. Tikhonenko. Vest. khir. 90 no. 6:105-106 Je '63.

SUPUTINKA PRESERVE--TICKS

Vertical (layer wise) age distribution of certain species of Ixodidae in the herbaceous cover of the soil of the southern part of the Maritime Territory forests during various seasons [with summary in English]. M. N. Slonov. Med. paraz. i parazit. bol. 32 no. 5:526-533 S-O '63.

SURFACE-ACTIVE AGENTS

Analysis of the surface-active derivatives of alkenylsuccinic acid by titration in a nonaqueous medium. A. I. Mulyshev, O. K. Smirnov. Zav. lab. 29 no. 10:1173-1174 '63.

Effect of surface-active substances inhibiting hydrogen sulfide corrosion on the selective wetting of iron in the two-phase system electrolyte - hydrocarbon. A. A. Gonik. Dokl. AN SSSR 152 no. 5:1181-1184 O '63.

Effect of surface-active substances on oil yield in pressing. K. E. Leont'evskii, M. I. Tikhonov, M. A. Chudnovskaia. Masl.-zhir. prom. 28 no. 10 17-20 O '62.

Investigation in the field of the application of wetting agents in the coating of films with photographic emulsions. S. M. Levi, O. K. Smirnov. Trudy NIKFI no. 31: 20-38 '62.

Relation between the critical concentration in micelle formation and the surface activity of the aqueous solutions of primary and secondary alkyl sulfate mixtures. M. P. Bespiatov, Zh. IA. Leshchenko. Trudy NIISZHIMSa no. 3:41-49 '62.

SURFACE CHEMISTRY

Effect of small additions of metals on the surface phenomena during hot lead plating. Report No. 2. N. N. Gratsianskii, A. K. Rlabov, V. V. Tobolich. Ukr. khim. zhur. 29 no. 11:1219-1222 '63.

SURFACE ENERGY

Adsorption energy during ionization of atoms on a metal surface. E. F. Chaikovskii, G. M. Platigorskii. Dokl. AN SSSR 153 no. 2:401-404 N '63.

Determining the relation of interphase energies in the system copper - iron. IA. N. Levin, G. I. Ivantsov. Fiz. met. i metalloved. 16 no. 4 535-539 O '63.

SURFACE HARDENING--EQUIPMENT AND SUPPLIES

Universal hardening machine. IA. P. Samokhleb. Mashinostroenie no. 6:13-15 N-D '63.

Using the 334M unit for surface hardening of parts. G. K. Gorobets, V. M. Mel'nichenko. Mashinostroenie no. 6:39 S-O '63.

SURFACE TENSION

Surface properties of nickel-based liquid alloys. Part 1. Effect of silver on the surface tension of nickel. V. N. Eremenko, V. I. Nizhenko. Ukr. khim. zhur. 29 no. 11: 1157-1160 '63.

SURFACES

Single-valued definiteness of a piecewise regular surface of positive curvature with a boundary condition. G. S. Barkhin, V. T. Fomenko. Dokl. AN SSSR 152 no. 5: 1023-1026 O '63.

SURFACES (TECHNOLOGY)

Dependence of the strength of bonding between coating and metal on the method of surface finishing and the type of polyorganic siloxane adhesive. G. N. Duderov. Trudy MKHTI no. 37:189-198 '62.

Minor reciprocal shifts of contiguous bodies. M. M. Kholmianskii. Izv. AN SSSR. Mekh. i mashinostr. no. 5: 54-59 S-O '63.

Relationship between stress concentration and the quality of the machining of surfaces of parts. V. A. Pal'mov. Izv. AN SSSR. Mekh. i mashinostr. no. 5:60-66 S-O '63.

SURGERY

"General surgery" by V. I. Stuchkov. Reviewed by V. A. Ivanov, M. N. Molodenkov. Khirurgiia 39 no. 7:134-136 Jl '63.

Minutes of Surgical Societies. Vest. khir. 91 no. 7:147-159 Jl '63.

Minutes of the Pediatric Surgery Section of the Pirogov Surgical Society for meeting No. 30. Vest. khir. 90 no. 6:157-158 Je '63.

Minutes of the Pirogov Surgical Society for meetings Nos. 1307, 1308 and 1309. Vest. khir. 90 no. 6:149-153 Je '63.

"Surgical anatomy of the fascias and cellular spaces in man" by V. V. Kovanov, T. I. Anikina. Reviewed by P. P. Kulik. Khirurgiia 39 no. 7:130-138 Jl '63.

"Textbook of surgery" [in German]. Reviewed by A. V. Smirnov. Vest. khir. 91 no. 7:135-136 Jl '63.

Use of corticosteroids in surgery. V. A. Kovanov. Zdravookhranenie 6 no. 5:20-23 S-O '63.

Use of new Soviet ganglionic blocking preparations in surgical practice [with summary in English]. V. P. Rakushkevich and others. Khirurgiia 39 no. 7:13-19 Jl '63.

SURGERY—BIBLIOGRAPHY see Bibliography—Surgery

SURGERY—COMPLICATIONS AND SEQUELAE

Causes of mortality following radical surgery in stomach cancer; data of the Oncological Institute of the Academy of Medical Sciences of the U.S.S.R. [with summary in English]. M. P. Fedunkin. Vop. onk. 9 no. 7:102-110 '63.

Some problems in the prevention of treatment of acute inflammation of the anastomosis following stomach resection [with summary in English]. F. M. Danovich, S. E. Gurvich. Vest. khir. 90 no. 6:28-33 Je '63.

Surgical complications in ancylostomiasis. O. R. Skobelkin. Med. sestra 22 no. 10:30-32 O '63.

Thromboses and embolisms in the preoperative and postoperative period. M. P. Beliaev. Vest. khir. 90 no. 6:130-132 Je '63.

Use of gas anesthesia in the analgesic stage for the treatment of massive postoperative pulmonary atelectasis. V. IA. Pikaleva, G. I. Kotomina. Khirurgiia 39 no. 7:62-65 Jl '63.

SURGERY—CONGRESSES

Problems of Surgery on the Endocrinal Glands at the 41st Congress of Polish Surgeons. O. V. Nikolaev. Khirurgiia 39 no. 7:144-149 Jl '63.

SURGERY—EQUIPMENT AND SUPPLIES

Surgical gauze helmet-mask. G. M. Kosul'nikova, G. A. Smirnov. Med. sestra 22 no. 10:56 O '63.

SURGERY—STUDY AND TEACHING

Maisuev, I. E. [Course in the department of surgery] Kurs fakul'tetskoi khirurgii; uchebnoe posobie. Riazan', Riazanskii med. in-t, 1963. 306 p. (DNLM)

SURGERY, ASEPTIC AND ANTISEPTIC

Preoperative preparation of the surgeon's hands. Vest. khir. 90 no. 6:125-126 Je '63.

Wound and surgical infection Report No. 1 [with summary in English]. V. A. Ivanov. Khirurgiia 39 no. 7:4-13 Jl '63.

SURGERY, MILITARY

"Military field surgery" by A. A. Vishnevskii, M. I. Shraiber. Reviewed by K. I. Pikin, N. K. Mitiunin, V. I. Kudintsev. Vest. khir. 91 no. 7:141-143 Jl '63.

SURGERY, OPERATIVE

Dynamic study of sodium and potassium electrolytes in patients with various surgical diseases [with summary in English]. A. N. Bakulev, R. G. Ambartsumian. Vest. khir. 91 no. 7:3-7 Jl '63.

Moscow. Pervyi meditsinskii institut. [Special methodology for practical work in topographic anatomy and operative surgery] Chastnaia metodika prakticheskikh zaniatii po topograficheskoi anatomii i operativnoi khirurgii. Izd. 2., perer. i dop. Pod red. V. V. Kovanova. Moskva, 1963. 224 p. (DNLM)

Oblique intertrochanteric osteotomy and transposition for correction of varus distortions of the femur neck. V. A. Shturm. Ortop., travm. i protez. 24 no. 6:57-58 Je '63.

Pancreatoduodenectomy in cancer of Vater's ampulla and the head of the pancreas. E. IA. Konigsberg. Zdrav. Bel. 9 no. 3:65-67 Mr '63.

Surgical tactics in the treatment of fractures of long tubular bones complicated by shock. I. F. Pan'kina. Ortop., travm. i protez. 24 no. 6:23-28 Je '63.

Unusual case of severe combined injury with subcutaneous rupture of the trachea from the larynx. I. Z. Shmidt. Khirurgiia 39 no. 7:128-131 Jl '63.

Use of corticosteroids for surgical patients; a review of Soviet and foreign literature. P. G. Shvalb. Vest. khir. 91 no. 7:89-94 Jl '63.

SURGERY, PLASTIC

Apparatus for the registration of the degree of muscle tension in tenomyoplasty. V. I. Nikolaev. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:263-268 '59.

Bratus', V. D. [Surgical treatment of thermal burns] Khirurgicheskoe lechenie termicheskikh ozhogov. Kiev, Gosmedizdat USSR, 1963. 380 p. (DNLM)

Case of plastic surgery of the floor of the mouth, larynx and esophagus after extensive laryngectomy for cancer [with summary in English]. G. M. Tytar'. Vop. onk. 9 no. 7:96-99 '63.

First experience in sealing bones with osteoplast in osteoarticular tuberculosis [with summary in English]. A. A. Ismailov, A. G. Aliev. Vest. khir. 90 no. 6:83-87 Je '63.

Late results of the surgical treatment of congenital fissures of the upper lip [with summary in English]. A. A. Limberg. Vest. khir. 90 no. 6:67-73 Je '63.

SURGICAL INSTRUMENTS AND APPARATUS

Apparatus for the registration of the degree of muscle tension in tenomyoplasty. V. I. Nikolaev. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:263-268 '59.

Cylindrical dermatome for continuous excision and separation of the skin into layers [with summary in English]. P. M. Medvedev. Vest. khir. 90 no. 6:103-105 Je '63.

Drill-conductor for intraosseous metallic osteosynthesis in hip fractures. A. F. Burenin. Kaz. med. zhur. no. 5 104-105 S-O '63.

Sokolov, V. V. [Metals and plastics in surgery] Metally i plastmassy v khirurgii. Moskva, Izd-vo "Znanie," 1963. 31 p. (Narodnyi universitet kul'tury. Fakul'tet zdorov'ia, no. 9)

Vascular clamp. V. Kh. Mitroshenko. Zdrav. Bel. 9 no. 3:89-90 Mr '63.

SURGICAL OPERATIONS see Operations, Surgical

SURGICAL PLASTER CASTS see Plaster casts, Surgical

SURGICAL SOCIETIES
(see also subdivision under Moscow)

Survey of the history of the organization of the Pirogov Surgical Society. A. N. Zebol'd. Vest. khir. 91 no. 7 123-129 Jl '63.

SURIKOV, VASILII IVANOVICH, 1848-1916

Komenov, V. S. [Historical paintings by Surikov; the 1870's and 1880's] Istoricheskaia zhivopis' Surikova, 1870-1880-e gody. Moskva, Iskusstvo, 1963. 506 p. illus.

SURKHAN-DARYA PROVINCE—STATE FARMS

We should economize as much as we can. M. Kadyrov. Part. zhizn' [Uzb.]. 5 no. 10:63-65 O '62.

SURSK—WOOLEN AND WORSTED MANUFACTURE

The main formula. N. Denisov. Izobr. i rats. no. 11:36 '63.

SURVEYING

Correction of plan materials for the accounting of land use. I. F. Polunin. Trudy MIIZ no. 10:187-193 '60.

Estimating the accuracy of multiple resection taking into account errors of initial data and the accuracy criterion of the relative position of initial points. M. Kh. Muzafarov. Trudy MIIZ no. 10:75-87 '60.

Field-type photoelectric setup for astronomical determinations. N. A. Beliaev. Geod. i kart. no. 10:17-25 O '63.

[Geodesic works for the construction of irrigation and drainage systems] Geodezicheskie raboty dlia stroitel'stva orositel'nykh i osushitel'nykh sistem. [By] K. S. Soberalskii i dr. Moskva, Gosgeoltekhizdat, 1963. 203 p.

Method of intermediate functions in estimating the accuracy of functions of value adjusted by a simplified method. A. V. Gordeev. Trudy MIIZ no. 10:89-110 '60.

SUSLIKS see subdivision under Elista region

SUSPENSIONS (CHEMISTRY)

Improving the physicomechanical properties of ferrosilicon suspensions with the help of reagents. V. I. Klassen, V. I. Litovko, N. F. Miasnikov. TSvet. met. 36 no. 10:17-20 O '63.

Photoelectric methods of continuous control of concentrations of suspended matter. E. I. Novakov. Sbor. trud VNIIstrommasha no. 2:81-120 '60.

SUTURES

New variant of suture in cesarean section with transverse incision of the lower segment of the uterus. E. Menias. Akush. i gin. 39 no. 4:114 Jl-Ag '63.

Vascular suture in lesions of the blood vessels of the extremities [with summary in English]. O. I. Chernikov. Vest. khir. 90 no. 6:88-94 Je '63.

Vascular suture in lesions of the blood vessels of the extremities [with summary in English]. IU. V. Novikov. Vest. khir. 90 no. 6:95-98 Je '63.

SVANETIYA—GEOLOGY, STRATIGRAPHIC

New data on the stratigraphy of Pre-Jurassic sediments in Svanetiya. P. D. Gamkrelidze and others. Dokl. AN SSSR 153 no. 2 424-426 N '63.

SVERDLOVSK—FIRES AND FIRE PREVENTION

In the land of the Urals. G. Borisova. Pozh. delo 9 no. 10 3-4 O '63.

SVERDLOVSK—GEOGRAPHICAL SOCIETIES

Work of the Ural Branch of the Geographical Society of the U.S.S.R. G. E. Tatarsevich. Zap. Ural. otd. Geog. ob-va SSSR no. 2 195-197 '55

SVERDLOVSK—HISTORY—STUDY AND TEACHING

Knowledge level of seventh-grade students. Z. I. Dobrynina. Prep. ist. v shkole 18 no. 6 44-56 N-D '63.

SVERDLOVSK—MACHINERY INDUSTRY—MANAGEMENT

Groups of specialists in industrial management are growing. V. Kolobov. Part. zhizn' no. 22 38-40 N '63.

SVERDLOVSK PROVINCE—AGRICULTURAL RESEARCH

Results of the reorganization. B. Lisitskii. NTO 5 no. 11:26-28 N '63.

SVERDLOVSK PROVINCE—EDUCATION

Creative search, letters from Sverdlovsk Province. I. Kuzheleva and others. Nar. obr. no. 12 38-43 D '63

SVERDLOVSK PROVINCE—GEOMORPHOLOGY

Geomorphological regions of Sverdlovsk Province. E. V. IAstrebov. Zap. Ural. otd. Geog. ob-va SSSR no. 2 13-38 '55.

SVERDLOVSK PROVINCE—NONFERROUS METAL INDUSTRIES

Liberman, M. Kh. [Work and live in the communist way] Rabotat' i zhit' po-kommunisticheski. Moskva, Metallurgizdat, 1963. 26 p. (Osnovy ekonomiki predpriiatii tsvetnoi metallurgii)

SVERDLOVSK PROVINCE—SABLES

Sable of Sverdlovsk Province. N. B. Poluzadov. Zap. Ural. otd. Geog. ob-va SSSR no. 2 159-164 '55.

SVERDLOVSK PROVINCE—SOCIALIST COMPETITION

Liberman, M. Kh. [Work and live in the communist way] Rabotat' i zhit' po-kommunisticheski. Moskva, Metallurgizdat, 1963. 26 p. (Osnovy ekonomiki predpriiatii tsvetnoi metallurgii)

SVERDLOVSK PROVINCE—STEEL INDUSTRY—MANAGEMENT

Kaganov, G. A., and P. P. Surin. [Potentials for carrying out the plan ahead of schedule without additional capital investments] Rezervy dosrochnogo vypolneniia plana bez dopolnitel'nykh kapitalovlozhenii. Moskva, Metallurgizdat, 1963. 43 p. (Osnovy ekonomiki predpriiatii chernoi metallurgii)

SVESHNIKOV, BORIS IAKOVLEVICH, 1901-1962

Boris IAkovlevich Sveshnikov, obituary. A. V. Aristov and others. Usp. fiz. nauk 81 no. 1 201-210 S '63.

SVETLOYAR, LAKE

Origin of Lake Svetloyar in Gorkiy Province. L. L. Trube. Izv. Vses. geog. ob-va 95 no. 5:454-455 S-O '63.

SVIN'IN, PAVEL PETROVICH, 1788-1839

Russian passenger of an American mail coach. V. Vladimirov. Ogonek 41 no. 44 25 O '63.

SWALLOWS see subdivision under Kuban

SWANS see subdivision under Kuban

SWEDEN—SHIPYARDS

New shipyard of the Goetaverken firm. Sudostroenie 29 no. 11:68-70 N '63.

SWEDISH PERIODICALS

"Historisk tidskrift," a Swedish periodical. A. S. Kan. Vop. ist. 38 no. 11:178-180 N '63.

SWIMMING

Why we "flunk" in swimming. G. Vershubskii. Mol. komm. no. 9:112-114 S '63.

Youth at the starting point. Z. Firsov. Ogonek 41 no. 44:28-29 O '63.

SWINE

Volkopialov, B. P. [Swine raising] Svinovodstvo. 3., perer. izd. Moskva, Sel'khozizdat, 1963. 380 p. (Uchebniki i uchebnye posobiia) (DNAL)

SWINE—FEEDING AND FEEDS
(see also subdivision under Crimea; Polotsk District)

Feed distributor. V. Vosgukov. Sel'. mekh. no. 10:31 O '63.

SWINE—FEEDING AND FEEDS (Continued)

Feed preparatory shop at the "Maiak-6" pig-rearing farm for 6,000 heads. I. V. Kulakovskii, A. N. Panchenko. Mashinostroenie no. 5 99-104 S-O '63.

Mechanical "waiter." F. Borosh, T. TSyrikov. Sel'. mekh. no. 10, 30 O '63.

Soveshchanie po voprosam aminokislotnogo pitaniia sel'skokhoziaistvennykh zhivotnykh, 1st, Kharkov, 1962. [Amino acid nutrition of swine and poultry] Aminokislotnoe pitanie svinei i ptitsy, [materialy]. Pod red. N. F. Rostovtseva. Moskva, Sel'khozizdat, 1963. 218 p. (DNAL)

SWINE HOUSES AND EQUIPMENT see subdivision under Czechoslovakia; Novosibirsk Province

SWITCHING THEORY

Conversion of logical algorithm networks using switching circuit models. V. M. Ozernoi. Izv. AN SSSR, Tekh. kib. no. 5:35-53 S-O '63.

Networks of linear transistor keying circuits. L. S. Gorn. Mnogokan. izm. sist. v iad. fiz. no. 5:80-86 '63.

SYAMOZERO LAKE REGION—FISHERIES

Balagurova, M. V. [Biological foundations of the development of efficient fisheries in the Syamozero Lake group, Karelian A. S. S. R.] Biologicheskie osnovy organizatsii ratsional'nogo rybnogo khoziaistva na Siamozerskoi gruppe ozer Karel'skoi ASSR. Otv. red. I. F. Pravdin. Moskva, Izd-vo Akad. nauk SSSR, 1963. 87 p.

SYENITE see subdivision under Baydarata Bay

SYMBOLIC AND MATHEMATICAL LOGIC see Logic, Symbolic and mathematical

SYMPATHETIC NERVOUS SYSTEM see Nervous system, Sympathetic

SYMPHONY

Vladimirov, V. N. [Talks about music] Besedy o muzyke. [Kalinin] Kalininskoe knizhnoe izd-vo, 1963. 122 p.

SYMPHONY ORCHESTRAS see subdivision under Leningrad

SYNCHRONOUS MOTORS see Electric motors, Synchronous

SYNCHROTRON

Extraction of the beam in a proton-synchrotron by excitation of the azimuthal asymmetry of the magnetic field. K. P. Myasnikov, I. N. IAlovoi. Prib. i tekh. eksp. 8 no. 4:19-21 Jl-Ag '63.

Measuring the magnetic field index in a weakly focusing proton-synchrotron from observation of the accelerated particle beam. L. P. Zinov'ev, V. I. Kotov, K. P. Myznikov. Prib. i tekh. eksp. 8 no. 4:22-23 Jl-Ag '63.

Synchrotron oscillations of accelerated particles allowing for feedback according to the position of the beam [with summary in English]. V. A. Bertulis. Izv. vys. ucheb. zav.; radiofiz. 6 no. 4:775-784 '63.

SYNTHETIC FABRICS

Beautiful, durable, inexpensive. V. Mezentsev. Agitator no. 22:46-48 N '63.

SYNTHETIC PRODUCTS

Chemistry and transportation. V. D. Skorokhodov. Zhel. dor. transp. 45 no. 11:17-19 N '63.

Markevich, S. V. ["Big chemistry"] "Bol'shaia khimiia." Minsk, Gos. izd-vo BSSR, 1963. 93 p.

SYNTHETIC TEXTILE FIBERS see Textile fibers, Synthetic

SYPHILIS

Effect of bicillin and its combination with bismuth preparations on protein and lipid metabolism in syphilis [with summary in English]. D. N. Remizov. Vest. derm. i ven. 37 no. 7:53-58 Jl '63.

SYPHILIS—DIAGNOSIS

Results of the Treponema pallidum immobilization reaction (TPI) performed by Ovchinnikov's simplified method [with summary in English]. L. V. Sazonova. Vest. derm. i ven. 37 no. 7:58-62 Jl '63.

SYR DARYA DISTRICT—FARM MECHANIZATION

Distinguished duty of the mechanizers. D. Kuchiev. Part. zhizn' [Uzb.] 6 no. 6:58-61 Je '63.

SYR DARYA PROVINCE—JOURNALISM, AGRICULTURAL

Newspapers of the conquerors of virgin lands. Part. zhizn' [Uzb.] 6 no. 6:94 Je '63.

SYRIA—VOLCANOES

Extinct volcanoes of the Syrian desert. E. D. Sulidi-Kondrat'ev, V. V. Kozlov. Priroda 52 no. 10:113-114 '63.

SYROMIATNIKOV, BORIS PAVLOVICH

Two letters of a hero. A. Basov. Sov. voin 45 no. 14:40 Jl '63.

SYSTEMS (CHEMISTRY)

Analysis of irrational viscosity isotherms of binary systems [with summary in English]. IU. IA. Fialkov. Zhur. fiz. khim. 37 no. 9:1938-1943 S '63.

Analysis of the system NaCl - KCl - Na_2CO_3 - H_2O according to two properties. B. V. Emel'ianov, V. I. Smirnov, L. M. TSypkina. Zav. lab. 29 no. 10:1174-1175 '63.

Method of sectioning the composition diagrams of multicomponent reciprocal systems with complex formation [with summary in English]. V. I. Posypaiko. Zhur. fiz. khim. 37 no. 9:1989-1994 S '63.

Molar volume of molten reciprocal pairs of salts. B. F. Markov, V. D. Prisiazhnyi. Ukr. khim. zhur. 29 no. 11: 1128-1135 '63.

Regularities in the location of surface pressure folds of a ternary liquid-vapor system and in the shift of folds with change in temperature. Part 2 [with summary in English]. M. P. Susarev. Zhur. fiz. khim. 37 no. 9 1944-1948 S '63.

Ternary reciprocal system consisting of sodium and potassium sulfates and tungstates. N. N. Volkov, V. D. Baranskii. Izv. ISKHI no. 14:107-114 '59.

SYSTEMS (CHEMISTRY)—THERMODYNAMIC PROPERTIES

Thermodynamic analysis of reactions in solid phases in the system Na_2O - SiO_2. G. M. Matveev, V. IA. Ganikirch. Trudy MKHTI no. 37:44-48 '62.

SYYID DJAMSHID BIN ABDULLAH, 1929-

Syyid Djamshid bin Abdullah. Nov. vrem. 21 no. 52:21 D '63.

SYZRAN' DISTRICT—COMMUNITY AND SCHOOL

In our district office of public education. I. Boriskin. Nar. obr. no. 9:18-19 S '63.

SYZRAN' DISTRICT—SCHOOL SUPERVISION

In our district office of public education. I. Boriskin. Nar. obr. no. 9:18-19 S '63.

TABASARANSKIY DISTRICT—MOHAMMEDANISM

From darkness to light. V. Maslennikov. Komsom. zhizn' no. 20:20-22 O '63.

TABLE SETTING AND DECORATION

Table setting. N. TSyplenkov. Obshchestv. pit. no. 12: 46-49 D '61.

TACTICS

Decisively suppress conventionality and oversimplification. G. Matveev. Komm. Vooruzh. Sil 1 no. 23:55-56 D '63.

Easily controlled. L. Kozlovskii, IA. Davydov. Voen. vest. 43 no. 11:39-43 N '63.

In a complex of tactical exercises. G. Ovrutskii. Voen. vest. 43 no. 11:100-101 N '63.

Initiative of the commander. L. Korzun. Voen. vest. 43 no. 10:49-52 O '63.

The skillful and decisive one conquers. A. Gorokhov, P. Sarantsev. Voen. vest. 43 no. 10:38-41 O '63.

Tactics and operational skill of the Workers' and Peasants' Red Army at a new stage. A. I. Egorov. Voen.-ist. zhur. 5 no. 10:30-39 O '63.

Tactics of small units in modern combat; review of comments on the article published in No. 2. Voen. vest. 43 no. 10:62-63 O '63.

TAGANROG—AGRICULTURAL MACHINERY INDUSTRY—ACCOUNTING

Machine accounting in the Taganrog Combine Plant. G. Udovenko. Bukhg. uchet 29 no. 10:47-51 O '63.

TAGANROG—AGRICULTURAL MACHINERY INDUSTRY—MANAGEMENT

Volunteers are engaged in the analysis. G. Maksimenko. Bukhg. uchet 29 no. 11:53-55 N '63.

TAILINGS (METALLURGY)

Securing tailing piles at the Tekeli ore dressing plant. A. M. Kondrashina, Z. M. IAkovleva. TSvet. met. 36 no. 10:77 O '63.

TAILORING

Improve the workmanship in the manufacture of custom clothes. L. A. Kostrov. Shvein. prom. no. 5:31 S-O '63.

TAJIKISTAN—AGRICULTURAL POLICY

Restoration and socialist reorganization of Tajikistan agriculture, 1921-1932. Sh. Bazarov, Kh. Saidmuradov. Trudy Otd. ekon. AN Tadzh. SSR 11:115-141 '63.

TAJIKISTAN—ART

Ornament of sun rays. N. Shmelev. Ogonek 41 no. 44: 24 O '63.

TAJIKISTAN—COMMUNISM AND LITERATURE

In our wonderful time. Amindzhon Shukukhi. Ukraina no. 9:18 My '62.

TAJIKISTAN—COOPERATIVE SOCIETIES

Consumers cooperatives of Tajikistan, 1929 to 1937. F. Musaev. Trudy Otd. ekon. AN Tadzh. SSR 11:103-114 '63.

TAJIKISTAN—COTTON GROWING

Improving labor organization for me in cotton growing. E. I. Polianush, I. K. Leshchenko. Trudy Otd. ekon. AN Tadzh. SSR 11:55-70 '63.

TAJIKISTAN—COTTON MANUFACTURE—COSTS

Cost formation in the cotton manufacturing industry of the Tajik S. S. R. Kh. K. Kurbanov. Trudy Otd. ekon. AN Tadzh. SSR 11:12-54 '63.

TAJIKISTAN—EDUCATION OF CHILDREN

Why the "street kings" reign. A. Abdunazarov. Komsom. zhizn' no. 14:15-16 Jl '63.

TAJIKISTAN—ELECTRIFICATION

Lenin's formula. Fatekh Nilazi. Znamia 33 no. 6:144-159 Je '63.

TAJIKISTAN—FARM MECHANIZATION

Technical reorganization of Tajikistan agriculture during the second five-year plan, 1933 to 1937. M. A. Rustamov. Trudy Otd. ekon. AN Tadzh. SSR 11:142-151 '63.

TAJIKISTAN—FLIES

Hibernation of Musca domestica vicina in the Hissar Valley (Tajik S. S. R.) [with summary in English]. L. IA. Il'iashenko. Med. paraz. i paraz. bol. 32 no. 5:565-567 S-O '63.

TAJIKISTAN—HISTORY—SOURCES

Mukhtarov, Akhror, comp. [Anthology on the history of Tajikistan for the 9th class] Khrestomatiia po istorii Tadzhikskoi SSR dlia IX klassa. Pod red. B. A. Antonenko. Dushanbe, Uchpedgiz Tadzhikskoi SSR, 1962. 158 p. (NNC)

TAJIKISTAN—MACHINERY INDUSTRY

Specialization and the further improvement of the machinery manufacturing industry in Tajikistan. R. Rakhimov, S. A. Vladimirov, I. V. Chirgadze. Trudy Otd. ekon. AN Tadzh. SSR 11:3-21 '63.

TAJIKISTAN—RELATIONS (GENERAL) WITH THE UKRAINE

From the Pamirs to the Carpathians. Ukraina no. 12: 3 Je '62.

TAKAMURE, ITSUE

Itsue Takamure. Raichō Hiratsuka. Zhen. taiiu hō. 11: 18-19 '61.

TALAS ALATAU—BASALT

Primary and secondary igneous chambers as revealed by the study of alkali basaltoids in the northwestern spurs of the Talas Alatau. K. A. Abrakhmanov. Izv. AN SSSR. Ser. geol. 28 no. 7:19-31 Jl '63.

TALAS ALATAU—ROCKS, IGNEOUS

Primary and secondary igneous chambers as revealed by the study of alkali basaltoids in the northwestern spurs of the Talas Alatau. K. A. Abrakhmanov. Izv. AN SSSR. Ser. geol. 28 no. 7:19-31 Jl '63.

TALC

Development of talc deposits and the talc industry in the U. S. S. R. P. P. Smolin. Trudy IGEM no. 95:20-48 '63.

TALES see subdivision under Russia, Northern

TALES, HUNGARIAN

A new book on tales and tale tellers. E. Pomerantseva. Sov. etn. no. 5:176-177 S-O '63.

TALES, KAZAKH

Recurring ethnographical subjects. L. S. Berg. Izv. Kir. fil. Geog. ob-va SSSR no. 4:9-14 '63.

TALES, ORIENTAL

"Tales of the Oriental peoples." Reviewed by E. Vorozheikina. Sov. etn. no. 5:178-180 S-O '63.

TALLINN—SCHOOL MUSIC—INSTRUCTION AND STUDY

You are invited to a music lesson. Riho Pais. Ogonek 41 no. 50:26-27 D '63.

TALOV DISTRICT—AGRICULTURE—STUDY AND TEACHING

An institute of the Communist Youth League. A. Ivanov. Komsom. zhizn' no. 18:7-8 S '63.

TAMAN'—CLASSICAL ANTIQUITIES

Explorations of Phanagoria in 1959, 1960 and 1962. M. M. Kobylina. Sov. arkheol. 7 no. 4:129-138 '63.

TAMBOV PROVINCE—HOUSING FOR PHYSICALLY HANDICAPPED

A garden house will be here. Galygin, Baskakov. Sots. obesp. 24 no. 9:35-36 S '63.

TAMBOV PROVINCE—RETAIL TRADE

If you gave your word, keep it, if you pledged something, carry it out. P. Romanov and others. Sov. potreb. koop. 7 no. 10:3-5 O '63.

...IY DISTRICT—FEEDS
...helessness leads us, N Ulugdzhanov, Part, ...Uzb.] 6 no.10:79-81 O '63.

...ALLEY—ELECTRIC PROSPECTING
...hic cross section of the left-bank part of the ...y through, D.I Gvizd', Inform shor., NIIGA ...7-71 '62.

...SERGEI IVANOVICH, 1856-1915
...rta, M.L. [Concert suite for violin and ...s by S I Taneev] Kontsertnaia siuita dlia ...orkestra S.I Taneeva. Moskva, Muzgiz, ...6 p. (Biblioteka slushatelia kontsertov)

...ASIL', 1897-1941
...s on the biography of V.K. Tanev, a Bulgarian ...onary and Communist, 1897-1941. S.I. ...aia. Ist.arkh. 8 no.3 207-209 My-Je '62.

...KSIM, pseud. see Skurko, Iauhen, 1912-

...S see subdivision under Azerbaijan

...SELS
...over the ocean, D.Eidel'man, Mor.flot 23 ...14-46 N '63.
...likii" is a new power-propelled, river-going ...ssel, S.Rossin, Rech.transp. 22 no.10 36-...'63.

...RFARE
...needs, V.Terent'ev, Voen.vest. 43 no.11: N '63.
...ted action in a tank company, A.Mel'nikov, ...est. 43 no.10,45-49 O '63.
...tack, N.Fomin, Voen.vest. 43 no.11:62-64
...e first shot, I.Kontaev, Voen.vest. 43 no.11: N '63.
...en, forward! S.Shutov, Voen.vest. 43 no.10: O '63.
...work in the name of our motherland, D.Lukin, ...est. 43 no.11,46-54 N '63.
...e of armored troops in the mountains, I.Krasnov, ...tet, zhur. 5 no.11:32-43 N '63.

...MILITARY SCIENCE)
...ring skill for the gunners, V.Tymtsias', Voen. 43 no.10 34-37 O '63.
...ee of success, V.Borzhko, Voen.vest. 43 30-33 O '63.
...t, I.Vereshchagin, Voen.vest. 43 no.11:44-46
...the new frontiers, M.Vainrub, Voen.vest. 43 :29-30 O '63.

...S MATERIALS
...tion of synthetic tanning materials based on ...l and nonsulfonated substances, S.K. Golubeva, ...uraitis, L.K.Getmanskii. Trudy NIISZHIMSa ...6-98 '62.

...S
...tiia nauk SSSR. Botanicheskii institut. [Prob-...of research on and the use of tannin plants] Vo-...izuchenila i ispol'zovanila dubil'nykh rastenii v ...Moskva, Izd-vo Akad. nauk SSSR, 1963. 272 p.

TUVA see Tuva A.S.S.R.

...UM—ANALYSIS
...nalytic methods of the analysis of simple tantalum-...tes. L.E.Novorossova, T.N.Leonova. Trudy ...E no.18,168-174 '63.
...metric determination of small amounts of tantalum ...ams of rhodamines [with summary in English], ...Dorosh. Zhur.anal.khim. 18 no.8:961-963 Ag

...ORMS
...also subdivision under Pazardzhik region)
...., A.V. [Beef tapeworm, a parasite in man] ...ii tsepen' - parazit cheloveka. Moskva, Medgiz, 20 p. (Nauchno-populiarnaia meditsinskaia li-...ura)
(DNLM)
...in the formation of new foci of diphyllobothriasis ...stagewise preventive measures [with summary in ...ish]. P.B.Gofman-Kadoshnikov. Med.paraz.i ...bol. 32 no.5:589-600 S-O '63.

...UZ PROVINCE—TURKMEN
...the history of the Turkmen population in the west-...districts of Tashauz Province. G.P.Vasil'eva. ...iy Inst.ist., arkheol.i etn.AN Turk. 7:10-35 '63.

...ENT—CIVIC IMPROVEMENT
...ent will be even more beautiful, R.Nishanov, ...zhizn' [Uzb.] 6 no.6:49-52 Je '63.

...ENT—COMMUNIST YOUTH LEAGUE
...Communist Youth League Searchlight," N.Ulugd-...ov. Part, zhizn' [Uzb.] 5 no.10:66-67 O '62.

TASHKENT—COMMUNITY LIFE
Party organization of a section. M.Umarova. Part. zhizn' [Uzb.] 6 no.6:79-81 Je '63.

TASHKENT—TEXTILE WORKERS—EDUCATION AND TRAINING
The people's university of culture. A.Arkad'eva. Part. zhizn' [Uzb.] 6 no.10 49-52 O '63.

TASHKENT—TRACTOR INDUSTRY
The foreman. Sh.Shakirov. Part. zhizn' [Uzb.] 6 no.10:83-86 O '63.

TASHKENT PROVINCE—ENGINEERING GEOLOGY
Mavlianov, G.A., S.Sh.Mirzaev, and A.I.Islamov. [Underground waters and the properties of rocks in the Tashkent region] Podzemnye vody i fiziko-mekhanicheskie svoistva gornykh porod Pritashkentskogo raiona. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 177 p.

TASHKENT PROVINCE—FERTILIZERS AND MANURES
Fertilizers mean a perceptible increase of crops. Liubov' L.I. Part. zhizn' no.24;33-34 D '63.

TASHKENT PROVINCE—WATER, UNDERGROUND
Mavlianov, G.A., S.Sh.Mirzaev, and A.I.Islamov. [Underground waters and the properties of rocks in the Tashkent region] Podzemnye vody i fiziko-mekhanicheskie svoistva gornykh porod Pritashkentskogo raiona. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 177 p.

TAT LANGUAGE—DIALECTS see subdivision under *Azerbaijan*

TATAR A.S.S.R.—EDUCATION
Party organization and schools. A.Kremenskaia. Nar. obr. no.9:12-13 S '63.

TATAR A.S.S.R.—JUVENILE DETENTION HOMES
Work, study, and leisure. M.Leshchinskii. Sots.zakon. 40 no.11:59-60 N '63.

TATAR A.S.S.R.—OIL FIELD BRINES
Effect of carbon dioxide, formed during the destruction of oil fields, on the development of karst processes. M.S.Kaveev. Dokl.AN SSSR 152 no.3:721-723 S '63.

TATAR A.S.S.R.—POPLAR
Sizing and cutting apparatus for preparing poplar cuttings. M.A.Attikov. Les.khoz. 16 no.9:55-57 S '63.

TATAR LANGUAGE—VERB
Ganiev, F.A. [Aspectual characteristics of Tatar verbs] *Vidovaia kharakteristika glagolov tatarskogo iazyka:* problema glagol'nogo vida v tatarskom iazyke. Kazan', Tatarskoe knizhnoe izd-vo, 1963. 179 p.

TATISHVILI, IRAKLII IAKOVLEVICH, 1902-
Irakli IAkovlevich Tatishvili; on his 60th birthday. Arkh.pat. 25 no.6:84-85 '63.

TAURAGE—AUTOMOBILES—MAINTENANCE AND REPAIR
Leader and educator. V.Novoselov. Komsom.zhizn' no.20:17 O '63.

TAXATION see subdivision under United States

TAXICABS
Outlook for the development of taxicabs. IU.Dolmatovskii. Avt.transp. 41 no.11:42-46 N '63.

TAYMYR PENINSULA—FORAMINIFERA, FOSSIL
Foraminifers from Upper Paleozoic sediments in the Taymyr Peninsula. G.P.Sosipatrova. Sbor.st.po paleont.i biostrat. no.30:35-72 '62.

TAYMYR PENINSULA—PALEONTOLOGY, STRATIGRAPHIC
Basis for the correlation of Middle and Upper Carboniferous sediments in the Taymyr Peninsula and the northern part of the Verkhoyansk Range. V.I.Ustritskii. Sbor.st.po paleont.i biostrat. no.30:5-16 '62.

TEA
(see also subdivision under Azerbaijan)
Methods of studying the root system of a tea plant [with summary in English]. G.M.Oganov. Pochvovedenie no.10:83-91 O '63.

TEA—TESTING
Inflammable properties of tea. G.Kalzhilashvili. Pozh.delo 9 no.10:15 O '63.

TEA MACHINERY
New scientific discoveries and technological innovations. Ukraina no.11:6 Je '62.

TEACHERS
(see also subdivision under Andizhan Province; *United States*)
Vocational instructor, teacher, and friend. Prof.-tekh.obr. 20 no.10:1-2 O '63.

TEACHERS, TRAINING OF
(see also subdivision under Andizhan; Lugansk Province; Vladimir Province)
Increasing the role of practical exercises in the system of educational training for students of the pedagogical institutions of higher learning. E.V.Bondarevskaia. Sov.pedag. 27 no.10:76-83 O '63.

Schools of pedagogical technique. A.D.Demintsev. Sov.pedag. 27 no.10:70-75 O '63.

TEACHING
(see also subdivision under Bulgaria; Lipetsk Province)
Acquainting students with the scientific method as a means for connecting education and life. I.IA.Lerner. Sov.pedag. 27 no.10:15-27 O '63.
Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut teorii i istorii pedagogiki. [Teaching students the forms of independent work; according to the materials of mathematics, Russian language, and history] Obuchenie shkol'nikov priemam samostoiatel'noi raboty, po materialu matematiki, russkogo iazyka, istorii. Pod red. M.A.Danilova i B.P.Esipova. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 175 p.
For the creative use of Lipetsk practice. O.M.Bielialev, I.I.IArmak. Ukr.mova i lit.v shkoli 13 no.5:3-10 Jl '63.
From Prague to Lipetsk. Zdenka Bartushkova. Nar. obr. no.9:107-108 S '63.
Hypnotism in teaching? Tekh.mol. 31 no.11:28 '63.
Let's work in a new way. A.Tishchenko. Nar.obr. no.9:8-9 S '63.
More on the work plan. I.Gubanov. Nar.obr. no.9:58-62 S '63.
School of life and work. P.Shpital'nik. Nar.obr. no.12: 69-72 D '63.
There is no room for indifference! Nar.obr. no.12: 1-5 D '63.
Training the need for knowledge. A.Plekhanov. Nar. obr. no.9:47-49 S '63.
While the heart is beating. V.Klushnikov, K.TSar'kova. Nar.obr. no.12:26-28 D '63.

TEACHING MACHINES
Apparatus for testing the knowledge of students. D.M. Komskii, V.L.Salov. Fiz.v shkole 23 no.3:93-96 My-Je '63.
Automated lecture hall started operations. D.I.Penner, M.F.Kolpakov, F.I.Vaisburd. Vest.vys.shkoly 21 no.11:63-66 N '63.
Some basic problems in the theory of programmed instruction, experimental and analytical study. L.B. Itel'son. Sov.pedag. 27 no.9:117-131 S '63.

TECHNICAL ASSISTANCE, RUSSIAN
(see also subdivision under India)
Boguslavskii, M.M. [Legal problems of Soviet technical assistance to foreign countries and license agreements] Pravovye voprosy tekhnicheskoi pomoshchi SSSR inostrannym gosudarstvam i litsenzionnye dogovory. Moskva, Izd-vo Akad. nauk SSSR, 1963. 244 p.

TECHNICAL CHEMISTRY see Chemistry, Technical

TECHNICAL EDUCATION
(see also subdivision under Bukhara Province)
Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut obshchego i politekhnicheskogo obrazovaniia. [School and work; uniting instruction with productive labor in the secondary school] Shkola i trud; soedinenie obucheniia s proizvoditel'nym trudom v srednei shkole. Pod red. A.I.IAntsova i P.R.Atutova. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 325 p. (MH)
Chemistry is needed everywhere. T.I.Moldaver. Vest. vys.shkoly. 21 no.11;16-17 N '63.
History of the establishment of factory schools, 1921-1925. N.A.Klenova. Vop.ist. 38 no.12;199-203 D '63.
Institute of advanced practices. L.V.Litinova. Opyt rab.po tekh.inform.i prop. no.1,41-43 '63.
Institute of advanced practices at a machine plant. Opyt rab.po tekh.inform.i prop. no.2:37-38 '63.
Inter-plant schools are a form of technological propaganda. N.K.Matakhova. Opyt rab.po tekh.inform.i prop. no.1:33-34 '63.
Lectures on polymers are given by a mechanical engineer. S.K.Abramov. Vest.vys.shkoly 21 no.11;41-43 N '63.
Let's increase the contribution of institutions of higher learning to the development of chemistry. M.A.Prokof'ev. Vest.vys.shkoly 21 no.11;3-7 N '63.
Let's inculcate a thirst for creativeness. IU.Stoliarov. Nar.obr. no.9;109-113 S '63.
Participation of a science and technology library in an inter-plant school. L.V.Kurguzhnikova. Opyt rab.po tekh.inform.i prop. no.1:35-38 '63.
Peoples' universities of technical progress. N.Liagushev. Part.zhizn' no.21:58-59 N '63.
Regulation on the four-year mining vocational and technical schools. Biul.Gos.kom.po vop.truda i zar.platy no.7;11-18 '63.
Schools of advanced practices at the Yaroslavl Tire Plant. V.P.Kusakin. Opyt rab.po tekh.inform.i prop. no.1:27-29 '63.
Transfer of students graduating from the general technical faculties to the second educational stage. Vest.vys. shkoly. 21 no.11;38 N '63.
Work practices of a technological study unit. A.I.Khorev. Opyt rab.po tekh.inform.i prop. no.2:29-31 '63.

TECHNICAL EDUCATION—DIRECTORIES see subdivision under Leningrad

TECHNICAL LIBRARIES
(see also subdivision under Stavropol)

Improving the work of technical libraries in factories. Sakh. prom. 37 no. 10:74-75 O '63.

Promoting technical books in plants. S. A. Andreev. Opyt rab. po tekh. inform. i prop. no. 1 40-41 '63.

TECHNICIANS IN INDUSTRY

We are discussing Professor L. M. Razumov's article "Production needs an engineer-organizer." Sots. trud 8 no. 10:47-55 O '63

TECHNOLOGICAL INNOVATIONS
(see also subdivision under Armenia; Bryansk; Chelyabinsk; Germany, East; Kaunas; Khabarovsk Economic region; Leningrad; Siberia; Uzbekistan; West Kazakhstan Territory)

Abroad. Nauka i zhyttia 13 no. 10:39 N '63.

Accounting for equipment modernization expenditures. V. Ivashkevich. Bukhg. uchet 29 no. 5:7-12 My '63.

Advertising board. Izobr. i rats. no. 11:34-35 '63.

At various latitudes. Znan. ta pratsia no. 10:19 O '63.

Berezov, V. A. [Schools of communist labor practice] Shkoly opyta kommunisticheskogo truda. [Leningrad] Lenizdat, 1963. 89 p.

Brief correspondences. Tekh. mol. 31 no. 11:16-17 '63.

Conceived, carried out. Izobr. i rats. no. 11:24-25 '63.

From the notebook of the technologist of "Izobretatel' i ratsionalizator." Izobr. i rats. no. 11:12 '63.

Improving standard methodology. A. Filakhtov. Ekon. strol. no. 11:72-73 N '63.

In foreign countries. Prom. Arm. 6 no. 9:69-71 S '63.

In the U.S.S.R. Prom. Arm. 6 no. 9:67-69 S '63.

In the whole world. Znan. sila 38 no. 9 12 S '63

In your lawyer's office. O. Pavlov. Izobr. i rats. no. 11:23 '63.

Inventions, discoveries, and hypotheses. Sov. Soiuz no. 11:52 '63.

Keenness, persistence, ability. Izobr. i rats. no. 11:32-33 '63.

Khilenko, A. A. [Toward the heights of technical progress] K vysotam tekhnicheskogo progressa. [Tula] Tul'skoe knizhnoe izd-vo, 1963. 40 p.

Kuznetsov, P. I., and V. N. Rengach. [Interesting technological innovations] Interesnye tekhnicheskie novinki. Izd. 2., perer. i dop. Leningrad, Ob-vo po raspr. polit. i nauchn. znanii RSFSR, 1962. 206 p. diagrs.

The movement of innovators [with summary in English, p. 220]. M. N. Laptin, A. A. Prutskii. Vop. ist. 38 no. 11:3-16 N '63.

New scientific discoveries and technological innovations. Belarus' 20 no. 10:31 O '63.

Perfect conformity. R. Kushnirov. Izobr. i rats. no. 11:14-15 '63.

Procedures for fund accumulation and bonus payments for aiding the introduction of inventions and efficiency suggestions. Biul. Gos. kom. po vop. truda i zar. platy no. 11:11-13 '63.

Public initiative in a plant in the struggle for technological progress. IA. I. Rozhnikovskii. Opyt rab. po tekh. inform. i prop. no. 1:49-50 '63.

Public inspection of the fulfillment of the plans for research work and of the introduction of the achievements of science and technology in the national economy. Masl.-zhir. prom. 28 no. 10:44-45 O '62.

"Searchlight of the Communist Youth League" walks across the country. Tekh. mol. 31 no. 11:26-27 '63.

Technical creative work and material encouragement. S. Folumenov. NTO 5 no. 11:52-53 N '63.

That can be used in your enterprise. Mashinostroitel' no. 10:26-27 O '63.

That which has not been before. R. Kologrivov. Znan. sila 36 no. 10:30-31 O '61.

You have the floor. Izobr. i rats. no. 11:30-31 '63.

TECHNOLOGY

Influence of technological progress on the relationship of the value of capital assets to the value of production. A. Vikhliaev. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 6:26-32 '63.

TECHNOLOGY—BIBLIOGRAPHY see Bibliography—Technology

TECHNOLOGY—INFORMATION SERVICES
(see also subdivision under Azerbaijan)

Experience in improving the qualifications of technological information experts. IA. N. Egorov. Opyt rab. po tekh. inform. i prop. no. 3:39-41 '63.

Experience in joint operations of the Central Office of Technological Information and public organizations. A. I. Vasiukov. Opyt rab. po tekh. inform. i prop. no. 1. 19-20 '63.

In the State Research Institute of Scientific and Technological Information (GOSINTI). Opyt rab. po tekh. inform. i prop. no. 3.56 '63.

In the State Research Institute of Scientific and Technological Information, research work. Opyt rab. po tekh. inform. i prop. no. 2.36-37 '63.

Organization and work experience of a public office of technological information. F. F. IUdin. Opyt rab. po tekh. inform. i prop. no. 3:46-49 '63.

Organization of readers' conferences. N. M. Tul'skaia. Opyt rab. po tekh. inform. i prop. no. 1:31-32 '63.

Organization of scientific and technological information and propaganda in the "Stankolinii" Plant. IU. E. Rozenfel'd. Opyt rab. po tekh. inform. i prop. no. 3:7-11 '63.

Organization of technological information and propaganda in a research institute. M. I. Kiselev. Opyt rab. po tekh. inform. i prop. no. 2:8-10 '63.

Practices of the Moscow House of Scientific and Technological Propaganda. L. P. Kuz'min. NTI no. 9:12-14 '63.

Public office of technological information in a plant. V. G. Vangaeva, G. M. Gromada. Opyt rab. po tekh. inform. i prop. no. 3:49-51 '63.

Public offices of technical information at the "Rostsel'mash" Plant. S. A. Folumenov. Opyt rab. po tekh. inform. i prop. no. 3:51-53 '63.

Reviewers' group at the Ural Machinery Plant. I. D. Pavlenko. Opyt rab. po tekh. inform. i prop. no. 2:10-12 '63.

Role of the public office of technological information in expediting technological progress at an enterprise. N. M. Morozkin. Opyt rab. po tekh. inform. i prop. no. 2 33-34 '63.

Science and technology conference and surveys in advanced methods of work. E. P. Boborykin. Opyt rab. po tekh. inform. i prop. no. 2 12-14 '63.

Shop public offices of technological information at plants I. V. Lugannikova. Opyt rab. po tekh. inform. i prop. no. 1. 47-48 '63.

Some problems in planning and designing the adoption of technological innovations. O. S. Politakov. Opyt rab. po tekh. inform. i prop. no. 3.5-6 '63.

Survey of voluntary contributions to technological progress at enterprises of an economic council. V. M. Nasonov. Opyt rab. po tekh. inform. i prop. no. 3.53-55 '63.

TEDZHEN VALLEY—ANTIQUITIES

Ancient farmers in the Tedzhen delta. G. N. Lisitsyna. Priroda 52 no. 10:100-102 '63.

TEETH—DISEASES
(see also subdivision under Yamal-Nenets National Area)

Changes in the argyrophil system of the pulp of human teeth in different stages of a carious lesion (in non-complicated and complicated caries). E. V. Aleksandrova. Teor. i prak. stom. no. 5.198-205 '61.

Frequency of dental caries caused by different forms of occlusion. N. M. Chuprynina. Teor. i prak. stom. no. 5:217-221 '61.

Morphological changes in the pulp of rat teeth under the influence of an antipulp immune serum. V. D. Sapfirov. Teor. i prak. stom. no. 5:206-213 '61.

Prevention of dental caries in childhood by vitamins B_1 and D. L. A. Vilkova. Teor. i prak. stom. no. 5:222-226 '61.

Results of examining the oral cavity and the teeth of children in some Voronezh kindergartens. IU. I. Rtishcheva. Trudy Vor. med. inst. 47:118-119 '62.

TEETH—MUTILATION

Effect of intramuscular injection of parotin on the growth and regeneration of the incisors of white rats. M. S. Bubiakina. Teor. i prak. stom. no. 5:95-99 '61.

TEETH—RADIOGRAPHY

Review of G. A. Zedgenidze and R. S. Shilova-Mekhanik's book "X-ray diagnosis of dental and maxillar diseases." A. N. Kishkovskii. Vest. rent. i rad. 38 no. 5:75-76 S-O '63.

TEKELI (KAZAKHSTAN)—ORE DRESSING

Securing tailing piles at the Tekeli ore dressing plant. A. M. Kondrashina, Z. M. IAkovleva. TSvet. met. 36 no. 10:77 O '63.

TELECOMMUNICATION
(see also subdivision under Azerbaijan)

Bosyi, N. D. [Communication channels] Kanaly sviazi. Kiev, Gostekhizdat USSR, 1963. 391 p.

Discussion of M. A. Shvechikov's article "Let us improve economic planning." Z. N. Belov, A. I. Mel'nikov, A. V. Semenkov. Vest. sviazi 23 no. 10:27-29 O '63.

Mathematical principles of the theory of communication. M. S. Pinsker. Izv. AN SSSR. Tekh. kib. no. 5:79-81 S-O '63.

Method for compressing the speech signal spectrum in multichannel communication systems. A. N. Svenson, A. A. Smerdov. Vop. pered. inform. 2:92-97 '63.

More attention should be devoted to the plan on wider use of new equipment. Vest. sviazi 23 no. 10 29 O '63.

Permanent conference attached to the office of the regional telecommunication administration. D. A. Ishin, IU. A. Toporov. Vest. sviazi 23 no. 10:20-22 O '63.

The present level of telecommunication enables us to serve the people efficiently. S. G. Volkov, L. IA. IAkovlev. Vest. sviazi 22 no. 11:17-20 N '62.

Statistical characteristics of a speech signal transmission process in a channel with regulated bandpass. A. N. Svenson, A. A. Smerdov. Vop. pered. inform. 2:98-112 '63.

Survey of speech bandwidth compression methods. A. A. Smerdov. Vop. pered. inform. 2:72-91 '63.

System for the automatic control of distributed objects using operating lines of automatic telephone exchanges as communication channels [with summary in English]. B. S. Bobrov and others. Avtom. i telem. 24 no. 11:1593-1596 N '63.

TELECOMMUNICATION—ABSTRACTS

[Radio engineering and telecommunication] Ref. zhur.: Radiotekh. i elektrosviaz' no. 12 D '63.

TELECOMMUNICATION—ACCOUNTING

Funds of an enterprise are the most important means in strengthening its accounting. G. E. Golomb. Vest. sviazi 23 no. 10:26-27 O '63.

TELECOMMUNICATION—EMPLOYEES
(see also subdivision under Kazakhstan)

Decision of the higher judicial organizations in cases concerning the wrongful dismissal of employees. V. E. Sinitukhin. Vest. sviazi 22 no. 11:31-32 N '62.

The good name of soviet telecommunication workers. N. D. Psurtsev. Vest. sviazi 22 no. 11:1-2 N '62.

Leading workers of socialist competitions. Vest. sviazi 23 no. 10:32 O '63.

Problems of wages and bonus payments of telecommunication workers. K. D. Lunin. Vest. sviazi 23 no. 10:30-31 O '63.

Role of the telecommunication workers in the Great October Revolution. N. S. Zabavnikov. Vest. sviazi 22 no. 11:26-28 N '62.

TELEGRAPH

Conversion of long-distance telephone and telegraph communication in consolidated economic regions. E. IA. Gerchikov. Vest. sviazi 23 no. 10.16-17 O '63.

Experience in operating an automatic telegraph station with "Liman" route-code commutation. K. A. Dailiudenko. Vest. sviazi 23 no. 10:17-19 O '63.

New electronic devices for measuring and analyzing telegraph distortions. K. A. Brusilovskii. Vest. sviazi 23 no. 10:6-8 O '63.

Single-channel (OTT-2) voice-frequency telegraphy apparatus using transistor devices. M. S. Tarakanova, M. P. Sverdlov. Vest. sviazi 22 no. 11:3-5 N '62.

Testing the reception channel of supersonic telegraphy equipment. P. I. Il'ichev. Avtom., telem. i sviaz' 7 no. 11 31 N '63.

TELEMETERING

Balanced transmitter of a low-frequency telemetering system. G. I. Fomin. Trudy VNIIE no. 7:202-207 '58.

Code-impulse telemetering device. G. V. Burdenkov. Trudy VNIIE no. 7:189-201 '58.

Discrete frequency combination telemetering system with group coding. B. S. Didyk, F. A. Katkov. Izv. vys. ucheb. zav.; energ. 6 no. 10:125-130 O '63.

Discrete telemetering systems. V. S. Malov. Trudy VNIIE no. 7:173-188 '58.

Some studies on the theory of communication in systems of regulation and control. V. A. Il'in, G. A. Shastova. Izv. AN SSSR. Tekh. kib. no. 5:112-113 S-O '63.

Telemetering of high-speed processes. V. K. Arkhipov, B. M. Stepanov. Izv. vys. ucheb. zav.; radiotekh. 6 no. 5:554-561 S-O '63.

Telemetering system of scanning conversion. A. A. Abdullaev, I. A. Nabiev, A. A. IUsifov. Mekh. i avtom. proizv. 17 no. 10:22-24 O '63.

Use of telemetering systems in time multiplexing channels in electric power distribution systems. TS. E. Geronimus. Trudy VNIIE no. 7:208-215 '58.

TELEPHONE

Belotelov, P. P. [Connection of pay telephones in crossbar automatic telephone exchanges] Vkliuchenie telefonov-avtomatov (taksofonov) v koordinatnye ATS, lektsiia po kursu "Telefoniia." Moskva, Redaktsionno-izdatel'skii otdel VZEIS, 1963. 7 p.

Composite high-frequency EPO-2K telephone communication and remote control apparatus. K. IA. Kafieva. Trudy VNIIE no. 7:244-260 '58.

Conversion of long-distance telephone and telegraph communication in consolidated economic regions. E. IA. Gerchikov. Vest. sviazi 23 no. 10:16-17 O '63.

TELEPHONE (Continued)

An electromechanical automatic telephone exchange. O. N. Ivanova. Vest. sviazi 22 no. 11:5-8 N '62.

[New equipment and operating techniques of automatic telephone exchanges] Novaia tekhnika i metody ekspluatatsii ATS; informatsionnyi sbornik. Moskva, Sviaz'izdat, 1963. 151 p. (Tekhnika sviazi za rubezhom)

Serebriany], E. G. [Laboratory and practical work in telephony in secondary schools] Laboratorno-prakticheskie raboty po telefonii v srednei shkole. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 65 p.

TELEPHONE STATIONS—EQUIPMENT AND SUPPLIES

Kharkevich, A. D. [Principle schematics of the basic devices for the 17 automatic telephone exchange] Printsipial'nye skhemy osnovnykh priborov ATS-47. Moskva, Redaktsionno-izdatel'skii otdel VZEIS, 1962. 39 p.

TELESCOPE

Directional diagram of an azimuthal telescope. A. A. Luzov, G. V. Kuklin. Geomag. i aer. 3 no. 6:1094-1107 N-D '63.

TELESCOPE, REFLECTING—TESTING

Determination of the deformation of a telescope mirror by elasticity theory methods (with summary in English). M. L. Gurvin-Zade, A. N. Khaitonova. Izv. GAO 23 no. 2:159-166 '63.

TELEVISION

(see also subdivision under Gorkiy)

Backshelf. Radio no. 9:63-64 S '63.

Brief news. Tekh. kino i telev. 7 no. 10:92 O '63.

Criterion of the equivalent resolution, its testing and application (with summary in English on p. 95). A. S. Selivanov. Tekh. kino i telev. 7 no. 10:30-41 O '63.

Exchange of experience. Radio no. 9:46 61, 63, . . . 62 S '63.

On the screen and beyond the screen. E. Mezhov. Sov. pechat no. 11:30-39 N '63.

Synchronous-successive system of black-and-white television (with summary in English on p. 95). G. B. Bogatov. Tekh. kino i telev. 7 no. 11:44-52 N '63.

Theory of the transmission of images. B. S. Tsybakov. Izv. AN SSSR. Tekh. kib. no. 5, 96-98 S-O '63.

Twenty-fifth anniversary of television broadcasting. Tekh. kino i telev. 7 no. 10:91 O '63.

An unused possibility for television signal spectrum compression. R. M. Dombrugov. Izv. vys. ucheb. zav.; radiotekh. 6 no. 5:490-494 S-O '63.

TELEVISION—ABSTRACTS

Abstracts section. Tekh. kino i telev. 7 no. 10:70-80 O '63.

Abstracts section. Tekh. kino i telev. 7 no. 11:82-92 N '63.

TELEVISION—EQUIPMENT AND SUPPLIES

Black-and-white "UNT-59" live. Ogonek 41 no. 50:6-7 D '63.

Television projector with an electron-optical light modulator. L. N. Shvernik, D. D. Sudravskii. Tekh. kino i telev. 7 no. 10:70-77 O '63.

TELEVISION—MAINTENANCE AND REPAIR

Training of television repairmen. A. Gusovskii, V. Kravchenko. Prof.-tekh. obr. 20 no. 10:20-21 O '63.

TELEVISION—RECEIVERS AND RECEPTION

The "Belarus'-110" television receiver and phonograph combination. D. Bukhman, V. Kisliachenko, V. Shakhov. Radio no. 9:28-30 S '63.

Complaints of television owners. A. M. Podol'skii. Vest. sviazi 22 no. 11:20-21 N '62.

Interference-free synchronization. A. Trofimov. Radio no. 9:56 S '63.

Maximum sensitivity of a television receiver. G. Dobyash. Radio no. 9:24-27 S '63.

Our consultations. Radio no. 11:61 N '63.

Panasenko, I. A., K. V. Proskurov, and V. A. Belozerov, [Operation and repair of television receivers] Ekspluatatsiia i remont televizorov. [Donetsk] Donetskoe knizhnoe izd-vo, 1962. 234 p.

TELEVISION—TRANSMITTERS AND TRANSMISSION

Television transmitter with 1 kw. power rating based on the TISA-56 repeater. A. S. Puntovoitovskii. Vest. sviazi 23 no. 10:3-6 O '63.

TELEVISION BROADCASTING

Motion pictures, the theater, and television at present and in the future. A. Karagin. Vop. kinoisk. no. 7: 149-155 '63.

TELEVISION BROADCASTING OF FILMS

More on motion pictures and television; discussion of the article "Possibility of cooperation between motion-picture studios and television stations." G. I. Khazanov, P. M. Veselkov. Tekh. kino i telev. 7 no. 11:60-62 N '63.

TELEVISION IN ASTRONOMY

Experiments in the television photography of the moon in the 0.8-1.1 μ and 0.8-2.3 μ wavelength range (with summary in English). N. F. Kuprevich. Izv. GAO 23 no. 2:110-114 '63.

TELEVISION IN EDUCATION

Gel'mont, A. M., and D. I. Poltorak. [Television in formal education] Televidenie v shkol'nom obrazovanii. Moskva, Izd-vo APN RSFSR, 1963. 133 p.

Television in the teaching of history. D. I. Poltorak. Prep. ist. v shkole 18 no. 6:78-82 N-D '63.

TELEVISION IN MEDICINE

New scientific discoveries and technological innovations. Rab. i stud. 39 no. 11:17 N '63.

TELEVISION IN MILITARY EDUCATION

Meditations on the blue screen. L. Glukhovskaia. Sov. voin 45 no. 19, 30-31 O '63.

TELEVISION PICTURE TUBES

How to prolong the life of a kinescope. M. Gerasimovich. Radio no. 9:31 S '63.

Improving the quality and durability of cathode ray tubes used in television sets of the second and third class. Avtom. i prib. no. 4:25 O-D '63.

Measuring the nonuniformity of the movement of the electronic beam over the target of the transmission tube (with summary in English on p. 95). V. S. Melikhov, L. P. Turchenkov. Tekh. kino i telev. 7 no. 11:57-59 N '63.

TELEVISION PROGRAMS

Study the inquiries of radio and television audiences. A. Shumakov. Part. zhizn' no. 23:67-70 D '63.

TELEVISION STATIONS—EQUIPMENT AND SUPPLIES

Analysis of the work of the control board operator of the apparatus room in a television station. A. A. Stepanov. Tekh. kino i telev. 7 no. 10:55-58 O '63.

Automatic signaling for camera switching in the operation of special effect units. L. R. Abashkin. Tekh. kino i telev. 7 no. 10:67-69 O '63.

New circuit design for the intermediate amplifier. IA. M. Radikainen. Tekh. kino i telev. 7 no. 11:65-67 N '63.

TELEVISION STATIONS—TECHNOLOGICAL INNOVATIONS see subdivision under Moscow

TELLURIDES

New bismuth and silver telluride determined by modern micromethods. M. S. Bezsmertnaia, L. N. Soboleva. Trudy IMGRE no. 10:70-84 '63.

TELLURITES

Reduction of selenite ion and tellurite ion by zinc amalgam. V. P. Gladyshev, M. T. Kozlovskii. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6, no. 5:724-728 '63.

TELLURIUM—ANALYSIS

Derivatives of pyrazolone as reagents for tellurium (with summary in English). A. I. Busev, N. L. Babenko. Zhur. anal. khim. 18 no. 8:972-978 Ag '63.

TELLURIUM-BISMUTH ALLOYS—ELECTRIC PROPERTIES

Electric properties of single crystals of Te - Bi solid solutions in the temperature range 77°-300°K. G. A. Ivanov. Fiz. tver. tela 5 no. 11:3173-3178 N '63.

TEMIRTAU (KARAGANDA PROVINCE)—CHILDREN'S CLUBS

Bon voyage, madcaps! L. Matveeva, Komsom. zhizn' no. 14, 11-15 Jl '63.

TEMPERAMENT

Temperament and afterimages. V. G. Norakidze. Eksp. issl. po psikhol. ust. 2, 119-134 '63.

TEMPERATURE—MEASUREMENT

Principal metrological problems in temperature measurement. I. I. Kirenkov. Izm. tekh. no. 12:22-25 D '63.

TEMPERATURE—PHYSIOLOGICAL EFFECT

Effect of temperature and light conditions on the productivity of hens in the Armenian S. S. R. R. A. Arutiunian. Izv. AN Arm. SSR, Biol. nauki 16 no. 10:23-28 O '63.

Effect of temperature factors on the concentration of tetracycline in the blood and organs of white rats (with summary in English). P. N. Aleksandrov, N. S. Tolmacheva, N. A. Ushchenko. Antibiotiki 7 no. 10:888-891 O '62.

TEMPERATURE REGULATORS

Automatic temperature control. IU. Pukhlik. Radio no. 11:50-51 N '63.

Installational diagram for connecting resistance thermocouples with a ratiometer. B. IA. Bekker. Elek. sta. 34 no. 10:82 O '63.

PTR-2 transistorized temperature regulator. V. Smirnov. Radio no. 11:51-52 N '63.

TEMPORARY EMPLOYMENT

Are they just temporary workers? L. Gendel'man. Sov. iust. no. 21-23 N '63.

TEREK RIVER—DELTA

Beliaev, I. P. [Hydrology of the Terek Delta] Gidrologiia del'ty Tereka. Pod red. S. S. Baidina. Moskva, Gidrometeoizdat, 1963. 207 p.

TERESHKOVA, VALENTINA VLADIMIROVNA, 1937-

The father of the "Sea gull" was a tractor operator. I. Sterkin. Sel'. mekh. no. 10 2-4 O '63.

Friends. K. Smirnov. Ogonek 41 no. 44 3 O '63.

TERMEZ—SHORE PROTECTION

New method of shore protection. I. I. Medovikov, Z. N. Fridman, I. M. Medovikov. Transp. stroi. 13 no 9:30-32 S '63.

TERMS AND PHRASES

Varian'ian, E. A. [From the life of words; about Achilles' heel, Parthian arrows, the oath of Hannibal, canard, and many other winged expressions] Iz zhizni slov, ob Akhillesovoi piate, Parfianskikh strelakh, Annibalovoi kliatve, gazetnoi utke i mnogikh drugikh krylatykh vyrazheniiakh. Izd. 2., ispr. i dop. Moskva, Detgiz, 1963. 318 p.

TERNOPOL'—LABOR DISCIPLINE

Follow-up of our materials. Sov. profsoiuzy 19 no. 18 16 S '63.

TERNOPOL' PROVINCE—COMMUNIST YOUTH LEAGUE

The plenum started in the fields. Komsom. zhizn' no. 14 23 Jl '63.

TERRACES (GEOLOGY) see subdivision under East European Plain

TERRACING

Technology of mechanized terracing on slopes (with summaries in English, German, and French). IU. K. Kirtbaia, E. P. Sheiko. Vest. sel'khoz. nauki 8 no. 6:112-119 Je '63.

TERRESTRIAL ELECTRICITY

(see also subdivision under Arctic Ocean)

Calculation of the electric currents induced in the sea by the S_q - variation of the geomagnetic field. V. I. Ivanov, D. P. Kostomarov. Geomag. i aer. 3 no. 6:1079-1088 N-D '63.

TERRESTRIAL MAGNETISM see Magnetism, Terrestrial

TESTICLE—ABNORMITIES AND DEFORMITIES

X-ray treatment of malignant tumors of the testicle in cryptorchism. T. M. Klepikova-Troitskaia. Vop. klin. pat. no. 2:154-160 '61.

TESTICLE—CANCER

X-ray treatment of malignant tumors of the testicle in cryptorchism. T. M. Klepikova-Troitskaia. Vop. klin pat. no. 2:154-160 '61.

TESTICLE—DISEASES

Complication of Botkin's disease by orchitis. M. A. Krichko. Klin. med. 41 no. 7:138-139 Jl '63.

TESTING

Results of the discussion on the effect of time factors in mechanical tests. Zav. lab. 29 no. 10 1240-1241 '63.

TESTING LABORATORIES

(see also subdivision under Upper Volga Economic region)

State testing laboratory of communist labor. Izm. tekh. no. 10 1-4 O '63.

TESTING LABORATORIES—EQUIPMENT AND SUPPLIES

Apparatus for the simultaneous recording of the curves of heating and of changes in weight of a specimen with the use of a single batch. L. K. Shubochkin, L. M. Zaitsev. Zav. lab. 29 no. 10:1269-1271 '63.

Modified furnace of the TVV type with a tungsten heater for investigations at temperatures up to 2800° C. V. IA. Chekhovskoi, A. E. Sheindlin. Zav. lab. 29 no. 10:1258-1259 '63.

PMT-3 apparatus with a device for automatic control of loading. E. S. Berkovich. Zav. lab. 29 no. 10:1250-1252 '63.

Thermogravimetric apparatus based on the TV-200 torsion balance. V. P. Bychkov, A. S. Khristianov. Zav. lab. 29 no. 10:1267-1269 '63.

TESTING MACHINES

Amaev, A. D., and L. M. Lebedev, [Testing machines for studying the mechanical properties of irradiated materials] Ispytatel'nye mashiny dlia izucheniia mekhanicheskikh svoistv obluchennykh materialov. Moskva, In-t atomnoi energii AN SSSR, 1960. 15 p.

Apparatus for measuring stress relaxation of fibers. V. V. Guzeev, IU. M. Mailnskii. Zav. lab. 29 no. 11: 1373-1374 '63.

Determination of maximum shear stress by means of a conic plastometer of increased sensitivity. G. I. Fuks, N. L. Nikolaeva. Zav. lab. 29 no. 11:1339-1341 '63.

TESTING MACHINES—ABSTRACTS

[Precision mechanics, optics, and testing apparatus] Ref. zhur.: Toch. mekh., opt. i lab. app. no. 11 N '63.

TESTS, MEDICAL see Medical tests

TETANUS

Changes in the electroencephalogram of rabbits in experimental tetanus intoxication. E. A. Gromova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1 55-62 '58.

Changes in the frequency of respiration and the cardiac rhythm in experimental tetanus intoxication. T. I. Gorlunova. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1 63-68 '58.

Reflex effect of the locomotion sphere on blood circulation and respiration in experimental tetanus poisoning. V. P. Kolychev, S. V. Smolenkov. Eksp. issl. po fiziol., biokhim. i farm. no. 3:211-220 '61.

Role of cortical mechanisms in the development of local tetanus. V. A. Katsitadze. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:46-54 '58.

Role of nervous reception in the development of antitoxic immunity against tetanus. A. S. Labinskaia. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:151-155 '58.

Some problems of recovery. G. N. Kryzhanovskii. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1 110-126 '58.

Summation of immunizing stimulations in microintervals of time. D. F. Pletsityi, A. S. Labinskaia. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:141-145 '58.

TETANUS—PREVENTIVE INOCULATION

Changes in higher nervous activity in the immunization of animals with the tetanus anatoxin. V. A. Eveev. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:205-218 '58.

TETANY

Gastrogenic tetany. N. V. Zavadovskaia, G. V. Levashov. Klin. med. 41 no. 7:144-147 Jl '63.

TETRACYCLINE

Differences in the effectiveness of antibiotics of the tetracycline group with special reference to their uptake in the intestines [with summary in English]. G. IA. Kivman Antibiotiki 7 no. 10:891-896 O '62.

Effect of temperature factors on the concentration of tetracycline in the blood and organs of white rats [with summary in English]. P. N Aleksandrov, N S Tolmacheva, N. A. IUshchenko. Antibiotiki 7 no. 10:888-891 O '62.

TEXTILE CHEMISTRY

Sobol'ev, M. A. [Chemistry of flax and bast fiber materials] Khimiia l'na i lubovoloknistykh materialov. Moskva, Gizlegprom, 1963. 140 p.

TEXTILE FABRICS—TESTING

Piercing of fabrics by the needle of the sewing machine. R. V. Sutormina. Izv. vys. ucheb. zav., tekh. leg. prom. no. 5:77-83 '63.

Studying the compression of fabrics. I. I. Kapustin, E. A. Dolin. Shvein. prom. no. 5:18-24 S-O '63.

TEXTILE FIBERS, SYNTHETIC
(see also subdivision under Kursk)

Continuous desseration of viscous solutions. I. A. Mikhlin, A. B. Fakshver. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 5:51-55 '63.

In the interests of the development of the chemical fiber industry. Z. A. Rogovin. Vest. vys. shkoly 21 no. 11: 8-10 N '63.

Moscow. Vsesoiuznyi postoiannyi pavil'on luchshikh obraztsov tovarov narodnogo potrebleniia. Otdel informatsii. [Reference handbook on artificial and synthetic fibers of foreign countries] Spravochnik po iskusstvennym i sinteticheskim volokнам zarubezhnykh stran. Moskva, 1963. 150 p.

TEXTILE FIBERS, SYNTHETIC—ANALYSIS

Katorzhnov, N. D., and IU. A. Voitelev. [Identification of synthetic fibers; qualitative and quantitative analysis of synthetic fibers in the textile industry] Raspoznavanie khimicheskikh volokon; kachestvennyi i kolichestvennyi analizy khimicheskikh volokon v tekstil'noi promyshlennosti. Moskva, Gizlegprom, 1963. 107 p.

TEXTILE INDUSTRY see subdivision under Frunze; Ivanovo; Leningrad; Noginsk; Ulan Bator; Vitebsk

TEXTILE INDUSTRY—INFORMATION SERVICES

The day of technological information at textile plants of an economic council. D. V. Nebova. Opyt rab. po tekh. inform. i prop. no. 3:37-39 '63.

TEXTILE MACHINERY—EQUIPMENT AND SUPPLIES

Casting of paraffin rings with an automatic machine. M. Miasnikov. Mest. prom. i khud. promys. 3 no. 9:32 S '62.

TEXTILE WORKERS see subdivision under Leningrad

TEXTILE WORKERS—DISEASES AND HYGIENE

Role of fluoroscopic examination in the determination of lung cancer in textile workers of the Orekhovo-Zuyevo Cotton Combine. E. L Nikiforova. Vop. klin. pat. no. 2: 197-200 '61.

TEXTILE WORKERS—EDUCATION AND TRAINING see subdivision under Fergana; Tashkent

THACKERAY, WILLIAM MAKEPEACE, 1811-1863—BIBLIOGRAPHY see Bibliography—Thackeray, William Makepeace, 1811-1863

THÄELMANN, ERNST, 1886-1944

Reminiscences on Ernst Thälmann. O. Kuznetsova. Mol. komm. no. 9:124-126 S '63.

THALLIUM

Experimental study of the mode of occurrence of thallium in the oxidation zone of sulfide deposits. N. I. Razenkova, G. F. Galaktionova. Trudy IMGRE no. 18.5-19 '63.

THALLIUM COMPOUNDS

Kul'ba, F. IA., and V. E. Mironov. [Chemistry of thallium; complex compounds] Khimiia tallila; kompleksnye soedineniia. Leningrad, Goskhimizdat, 1963. 206 p.

THAWING see subdivision under Arctic regions

THEATER
(see also subdivision under France; Italy; Kiev; Mongolia; Moscow; Ukraine)

Motion pictures, the theater, and television at present and in the future. A. Karlagin. Vop. kinoisk. no. 7: 149-165 '63.

[New trends of the Soviet theater] Novatorstvo sovetskogo teatra. [By] N. A. Anastas'ev i dr. Moskva, Iskusstvo, 1963. 417 p.

New Year's Eve poster. Ogonek 41 no. 52:26-27 D '63.

We want to play real people. Liudmila Kasatkina. Sov. voin 46 no. 14:42-43 Jl '63.

THEATER—BIBLIOGRAPHY see Bibliography—Theater

THEATER—PRODUCTION AND DIRECTION

Gorchakov, N. M. [The stage-director and his work with performers] Rabota rukovoditelia teatral'nogo kollektiva s ispolniteliami. Moskva, Iskusstvo, 1963. 105 p.

THEATERS—STAGE SETTING AND SCENERY

Bazanov, V. V. [Stage, technique, performance] Stsena, tekhnika, spektakl'. Leningrad, Iskusstvo, 1963. 119 p. 118 p.

Vanslov, V. V. [Pictorial arts and the musical theater] Izobrazitel'noe iskusstvo i muzykal'nyi teatr. Moskva, Sovetskii khudozhnik, 1963. 161 p. illus.

THEATRICAL MAKE-UP see Make-up, Theatrical

THEORY OF ERRORS see Errors, Theory of

THEORY OF GROUPS see Groups, Theory of

THEORY OF STRUCTURES see Structures, Theory of

THERMAL ANALYSIS

Apparatus for the simultaneous recording of the curves of heating and of changes in weight of a specimen with the use of a single batch. L. K. Shubochkin, L. M. Zaitsev. Zav. lab. 29 no. 10:1269-1271 '63.

Thermographic study of sodium and lithium silicates. M. A. Matveev. Trudy MKHTI no. 37:49-57 '62.

Thermogravimetric apparatus based on the TV-200 torsion balance. V. P. Bychkov, A. S. Khristianov. Zav. lab. 29 no. 10:1267-1269 '63.

THERMAL STRESSES

Concentration of thermal stresses in the vicinity of an elliptic hole in an orthotropic plate under the influence of a thermal flow. A. I. Uzdalev. Izv. AN SSSR, Mekh. i mashinostr. no. 5:169-172 S-O '63.

Conditions of the formation of cracks in welded structures and their classification. V. D. Matskevich. Trudy LKI. no. 36:19-27 '62.

Fourth scientific conference on thermal stresses in structural elements. IU. M. Shevchenko. Pryki. mekh. 9 no. 6:686-688 '63.

Kinetics of the relieving and redistribution of residual stresses in rolls used in cold rolling at low-temperature tempering. B. A. Brusilovskii, F. I. Ivanov. Sbor. Novo-Kram. mashinostroi. zav. no. 5:100-107 '59.

Plane problem in thermoelasticity on the pressing-in of a die. N. M. Borodachev. Inzh. zhur. 3 no. 4:736-740 '63.

THERMIONIC EMISSION

Thermionic secondary emission of alkali ions injected in targets of different densities. U. A. Arifov and others. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk no. 6:44-46 '61.

Thermionic secondary emission of K, Rb, and Cs ions injected in Mo and Ti targets. U. A. Arifov, Kh. Kh. Khadzhimukhamedov, A. P. Sokolov. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk no. 6:40-43 '61.

THERMISTORS

Calculation of electrical networks containing thermistors using an internal feedback technique. S. P. Kolosov. Izv. vys. ucheb. zav.; energ. 6 no. 10:122-125 O '63.

Manufacture of high-temperature thermistors. IU. D. Kobtsev. Izv. vys. ucheb. zav.; fiz. no. 3:103-107 '63.

THERMOCHEMISTRY

Study of structural changes in polyhexamethylene adipamide by the method of sorption and thermochemical measurements. E. F. Nekriach, Z. A. Samchenko Ukr. khim. zhur. 29 no. 11:1151-1155 '63.

THERMOCOUPLES

Calibration of tungsten-rhenium tungsten-rhenium thermocouples. G. B. Lapp, D. I. Popova. Izm. tekh. no. 10 33-34 O '63.

Measurement of quick-changing temperatures in conducting solids with thermocouples. V. V. Kornilov, B. I. Makarov. Izm. tekh. no. 10:35-37 O '63.

Methods of investigating the temperature distribution in the cross section of slabs being heated for rolling. S. I. Bulat. Sbor. trud. TSNIICHM no. 32:56-57 '63.

THERMODYNAMICS

Concerning an error in the handbook "Engineering thermodynamics" by M. P. Vukalovich and I. I. Novikov. Izv. vys. ucheb. zav.; energ. 6 no. 9:121-122 S '63.

Effect of premelting kinetics on the anomaly of thermal properties. A. A. Remizova. Izv. vys. ucheb. zav.; fiz. no. 3:3-6 '63.

Thermodynamic analysis of the process of condensation of hydrogen fluoride from its mixture with water vapor, hydrogen, and carbon monoxide. N. P. Galkin and others. Khim. prom. no. 9:686-690 S '63.

THERMODYNAMICS—TERMINOLOGY

From the Scientific Advisory Board on chemical thermodynamics at the Institute of General and Inorganic Chemistry of the Academy of Sciences of the U. S. S. R. IA. I. Gerasimov. Zhur. fiz. khim. 37 no. 9: 2146 S '63.

THERMOELECTRIC GENERATORS

Some problems in calculating the efficiency of a solar thermoelectric generator. B. Arazmedov. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:18-23 '62.

THERMOELECTRICITY

Theory of thermoelectricity. A. I Veinik. Izv. vys. ucheb zav., fiz. no 3 139-141 '63

Using the thermoelectromotive force method for the study of the temper brittleness in steel. A. P. Shadrunova. Izv. vys. ucheb. zav.; chern. met. 6 no. 10:109-112 '63.

THERMOMAGNETISM

Effect of the initial state on the result of thermomagnetic treatment of a permalloy. D. D. Mishin, V. P. Goglin. Izv. vys. ucheb. zav.; fiz. no. 3:12-14 '63.

THERMOMETERS

The degree. IU. Alin. Sel'. mekh. no. 10:32-33 O '63.

Determination of temperature corrections for machine part dimensions. M. G. Boguslavskii. Izm. tekh. no. 10:19-21 O '63.

THERMOMETRY

Calculation of thermal inertia of industrial heat pickups. D. F. Tartakovskii. Izm. tekh. no. 11:21-26 N '63.

Calibrating pickups of a heat flow. G. S. Ambrak. Izm. tekh. no. 11:21-23 N '63.

THIAMINE

Distribution of tagged thiamine in the jaws of animals, a preliminary report. E. V. Benenson, IA. V. Mamaeva. Teor. i prak. stom. no. 5:175-178 '61.

Prevention of dental caries in childhood by vitamins B$_1$ and D. L. A. Vilkova. Teor. i prak. stom. no. 5:221-226 '61.

THICKNESS MEASUREMENT

Measuring the thickness of foils and films by means of soft X rays. S. I. Lobov, V. A. TSukerman. Prib. i tekh. eksp. 6 no. 4:184-189 Jl-Ag '63.

Measuring the thickness of foils and films with the aid of the (α, $n\gamma$) nuclear reaction. I. N. Plakstin, M. A. Beliakov, L. P. Starchik. Prib. i tekh. eksp. 6 no. 5:210-211 S-O '63.

Ultrasonic thickness gauge for controlling corroded surfaces. V. V. Bogorodskii, D. D. Dobrotin, G. P. Khoshlov. Zav. lab. 29 no. 10:1254-1256 '63.

THIOCYANATES

Configuration equilibrium in solutions of chloride and thiocyanate complexes of cobalt. V. P. Vasil'ev and others. Izv. vys. ucheb. zav.; khim. i khim. tekh. no. 5:712-716 '63.

THIOLS

Effect of thiol compounds on the thermal resistance of white mice. V. D. Lindenbraten. Trudy Khab. med. inst. 23 no. 2:71-72 '62.

THORACIC DUCT—WOUNDS AND INJURIES

Gunshot wound of the thoracic duct. N. V. Ukhanova. Vest. khir. 91 no. 7:74 Jl '63.

THORIUM—ANALYSIS

Gravimetric determination of thorium with dihydroxymaleic acid [with summary in English]. N. D. Sadzhaia. Zhur. anal. khim. 18 no. 8:1026-1029 Ag '63.

THORIUM COMPOUNDS

Complex of thorium IV with xylenol orange. B. I Nabivanets, L. N. Kudritskaia. Ukr. khim zhur 29 no. 11:1198-1205 '63.

THORIUM ISOTOPES

Measuring the capture cross sections of 5-200 Kev. neutrons for U^{238} and Th^{232}. V. A. Tolstikov, L. E. Sherman, IU. IA. Stavinskii. Atom. energ. 15 no. 5:414-415 N '63.

THORIUM NITRATES

Extraction system $Th(NO_3)_4$ - HNO_3 - H_2O - $(C_4H_9O)_3PO$ at 25°C studied by means of extraction rays. A. V. Nikolaev, IU. A. Afanas'ev, A. I. Rabinin. Dokl. AN SSSR 152 no. 5:1115-1117 O '63.

THORIUM OXIDES

Production of certain thorium sulfides by the interaction of ThO_2 with hydrogen sulfide. G. V. Samsonov, G. D. Dubrovskaia. Atom. energ. 15 no. 5:428-430 N '63.

THORIUM SULFIDES

Production of certain thorium sulfides by the interaction of ThO_2 with hydrogen sulfide. G. V. Samsonov, G. D. Dubrovskaia. Atom. energ. 15 no. 5:428-430 N '63.

THORIUM SALTS

Electrolytic separation of nickel from solutions containing thorium salts [with summary in English]. T. V. TSyvenkova, P. N. Kovalenko, Z. I. Ivanova. Zhur. anal. khim. 18 no. 10:1222-1227 O '63.

THOUGHT AND THINKING

Experimental psychological study of abstract thinking in patients with chronic alcoholism. A. N. Frishberg. Vrach. delo no. 11:147-148 N '63.

Indissoluble link between language and thought in the light of I. P. Pavlov's theory of the second signal system. M. G. Litvintsev. Trudy Khab. med. inst. 23 no. 2:3-9 '62.

Leont'ev, A. A. [Origin and primary development of language] Vozniknovenie i pervonachal'noe razvitie iazyka. Moskva, Izd-vo Akad. nauk SSSR, 1963. 137 p. (Akademiia nauk SSSR. Nauchno-populiarnaia serila)

Unity of sensory and rational factors in the process of perception and relative independence of abstract thinking in the light of I. P. Pavlov's theory of the two signal systems. M. G. Litvintsev. Trudy Khab. med. inst. 23 no. 2:10-16 '62.

Zhinkin, N. I., and F. N. Shemiakin, eds. [Thought and speech] Myshlenie i rech'. Moskva, Izd-vo APN RSFSR, 1963. 270 p.

THREAD—TESTING

Answer to N. P. Isakov's article "Tension of the thread in a contour motion." IU. V. IAkubovskii. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 5:170-176 '63.

Tension of the thread in contour motion. N. P. Isakov. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 5:163-169 '63.

THRESHING MACHINES

Effect of moisture and circumferential velocities on the damaging of corn kernels. V. A. IAkovenko, V. P. Malakhovtsev. Izv. vys. ucheb. zav.; pishch. tekh. no. 5:64-68 '63.

THROMBOEMBOLISM—PREVENTION see subdivision under Leningrad

THROMBOSIS

Biochemical changes in the blood in disorders of cerebral circulation of a thrombotic nature [with summary in English]. Z. A. Ivanikova. Vrach. delo no. 11:26-30 N '63

Case of acute massive venous thrombosis. G. A. Dovgilevich. Ortop., travm. i protez. 24 no. 6:49-50 Je '63.

Case of Chiari's disease. I. V. Startsev. Klin. med. 41 no. 7:130-133 Jl '63.

Changes in the calcium and inorganic phosphorus of the blood in patients with acute myocardial infarct developing after coronary thrombosis [with summary in English]. A. D. Khetagurov. Terap. arkh. 35 no. 5:15-20 My '63.

Review of E. V. Shmidt's book "Stenosis and thrombosis of the carotid arteries and disorders of the cerebral blood circulation." A. R. Vinnitskii, D. I. Panchenko. Vrach. delo no. 11:150-151 N '63.

Surgical treatment of thrombophlebitis of the lower extremities. V. I. Trubachev. Vest. khir. 90 no. 6:127-130 Je '63.

Thromboses and embolisms in the preoperative and postoperative period. M. P. Beliaev. Vest. khir. 90 no. 6:130-132 Je '63.

Thrombosis of the major vessels in fractures of the long tubular bones. E. P. Zamaraev, V. A. Kryzhanovskii. Ortop., travm. i protez. 24 no. 6:36-38 Je '63.

THYROID GLAND

Absorption of radioactive iodine (J^{131}) by the thyroid gland when large doses of vitamin A are used. N. B. Lutsiuk. Vrach. delo no. 11:133-134 N '63.

Mechanism of the effect of aminazine on the thyroid gland [with summary in English]. S. G. Cherdyntsev. Probl. endok. i gorm. 9 no. 5:35-39 S-O '63.

Use of radioactive iodine for the determination of the functional activity of the thyroid gland in those working with SHF generators. M. I. Smirnova, M. N. Sadchikova. Trudy Inst. gig. truda i prof. zab. AMN SSSR no. 1:50-51 '60.

THYROID GLAND—DISEASES

Clinical aspects of thyroiditis and struma. S. L. Markovicius, S. A. Sideraite. Klin. med. 41 no. 7:99-103 Jl '63.

Hormone therapy of acute and subacute nonsuppurative thyroiditis and strumitis [with summary in English]. V. R. Kliachko, I. I. Steklenkova. Klin. med. 41 no. 7:104-107 Jl '63.

So-called thyrotoxic myopathy. D. I. Fridberg. Klin. med. 40 no. 11:125-128 N '62.

THYROID GLAND—SURGERY

Clinical aspects and surgical treatment of endemic goiter [with summary in English]. E. P. Mukhin. Vest. khir. 91 no. 7:13-16 Jl '63.

Determination of the functional state of the adrenal cortex in hyperthyroidism and thyroidectomy according to hematological indices [with summary in English]. K. P. Zak. Probl. endok. i gorm. 9 no. 5:19-24 S-O '63.

Effect of preoperative care and surgical treatment on the contractile function of the myocardium in thyrotoxicosis [with summary in English]. E. N. Dormidontov. Vest. khir. 91 no. 7:6-11 Jl '63.

Intratracheal anesthesia and the use of neuroplegic preparations in surgery on the thyroid gland [with summary in English]. A. A. Men'shov. Vest. khir. 90 no. 6:113-115 Je '63.

Removal of an unusually large goiter. IU. S. Gilevich. Vest. khir. 90 no. 6:116-117 Je '63.

Surgical treatment of goiter. M. M. Gazymov. Kaz. med. zhur. no. 5:48-49 S-O '63.

Therapeutic anesthesia in the treatment of thyrotoxic goiter [with summary in English]. G. N. Natevlishvili, I. L. Kavarov. Khirurgiia 39 no. 7:49-54 Jl '63.

Thyroid gland tuberculosis. I. A. Potukhov. Vest. khir. 91 no. 7:70-72 Jl '63.

THYROID GLAND—TUBERCULOSIS

Thyroid gland tuberculosis. I. A. Potukhov. Vest. khir. 91 no. 7:70-72 Jl '63.

TIBETAN LANGUAGE—DICTIONARIES—RUSSIAN

Ulan-Udo. Buriatskii kompleksnyi nauchno-issledovatel'skii institut. [Concise Tibetan-Russian dictionary, 21,000 words] Kratkii tibetsko-russkii slovar', 21000 slov. Sost. B. V. Semichov, IU. M. Parfionovich. B. D. Dandaron. Pod red. IU. M. Parfionovicha. Moskva, Gos. izd-vo inostr. i natsional'nykh slovarei, 1963. 681 p.

TIBIA—FRACTURE

Fractures of the shinbone malleoli in miners. M. V. Khovenko, F. A. Levitskii. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:189-194 '59.

TICKS

(see also subdivision under Suputinka Preserve)

Brain structure in Dermacentor pictus Herm. (Acarina) [with summary in Germ—
Zool. zhur. 42 no. 10:1472-1484 '6

The length of the day as a factor det
egg-laying in females of Dermacen
Sulz [with summary in English]. V
Med. paraz. i paraz. bol. 32 no. 5:

TICKS AS CARRIERS OF DISEASE

(see also subdivision under Arara
A.S.S.R.)

Natural focus of tick-borne exanthem
Ubsu Nur trough in the Tuva A. S. S
skaia, V. F. Flint, O. S. Korshunova
paraz. bol. 32 no. 5:561-565 S-O

Study of the infection of ticks, encep
the method of bioassay. V. N. Bekl
8 no. 2:240-242 Mr-Ap '63.

Use of the hemagglutination inhibitic
diagnosis of tick-borne encephaliti
of the immunological structure of
pseudo-foci [with summary in Engl
F. V. Krasovskii, V. V. Kuliabko.
bol. 32 no. 5:567-572 S-O '63.

TIDES

Direction of the main axes of the st
tides. M. S. Molodenskii. Izv. AN
no. 10:1483-1485 O '63.

Effect of viscosity on the phase of earth tides. M. S. Molodenskii. Izv. AN SSSR Ser. geofiz. no. 10:1469-1482 O '63.

Lunar tidal fluctuations of the minimum effective heights of the F^2 layer. V. A. Zagullaeva. Geomag. i aer. 3 no. 6:1132-1134 N-D '63.

TIEN SHAN—LEAFHOPPERS

New genus of leafhoppers of the subfamily Ulopinae (Auchenorrhyncha, Cicadellidae) [with summary in English]. A. I. Emel'ianov. Zool. zhur. 42 no. 10:1581-1582 '63.

TIEN SHAN—TURKISH ANTIQUITIES

Monuments of the Altai-Orkhon Turks in the Tien-Shan. IA. A. Shcl., Sov. arkheol. 7 no. 4:158-166 '63.

TIERRA DEL FUEGO REGION—FISHES

Interesting ichthyological find. G. A. Solianik. Inform. biul. Sov. antark. eksp. no. 42:62 '63.

TIKSI BAY—AURORAS

Parallactic photography of polar lights in the Tiksi Bay region. D. A. Andrienko, A. G. Chiriaev. Geomag. i aer. 3 no. 6:1135-1136 N-D '63.

TILES

We improve the process of roasting tile. I. Sirosh. Stil'. bud. 12 no. 1:15-16 Ja '62.

TILLAGE

(see also subdivision under Caucasus, Northern)

Characteristics of the growth and development of corn in Solonetz soils as related to tillage. S. Kultaev, I. O. Baitulin. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:19-25 S '63.

Effect of the methods of basic tillage of the fallow on the yield of winter wheat in the unimproved dry areas of Alma-Ata Province. G. Otarov. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9:25-27 S '63.

Minimal tillage for pine plantations in sandy soils [with summaries in English, German, and French]. L. IU. Kliuchnikov. Vest. sel'khoz. nauki 8 no. 6:104-107 Je '63.

Rototilling of soil before sowing forage cabbage [with summaries in English, German, and French]. S. S. Shain, F. M. Tkachenko. Vest. sel'khoz. nauki 8 no. 6:61-63 Je '63.

TILLO, ALEKSEI ANDREEVICH, 1839-1900

A. A. Tillo, an outstanding Russian geographer. V. V. Novskii, A. B. Rukhovets. Izv. Vses. geog. ob-va 95 no. 5:437-442 S-O '63.

TIMAN RIDGE—BITUMEN—ANALYSIS

New methods of the luminescence analysis of bitumens. S. S. Geiro. Trudy VNIGRI no. 212. Geokhim. sbor. no. 8:250-262 '63.

TIMAN RIDGE—PETROLEUM—ANALYSIS

Geochemical characteristics of petroleums in the Timan-Pechora area based on infrared absorption spectra. S. S. Geiro. Trudy VNIGRI no. 212. Geokhim. sbor. no. 8:136-161 '63.

TIME FAMILY

Letter sent to Italy. IUr. Alianskii. Zvezda nó. 5:181-182 My '62.

TIME MEASUREMENTS

Means and methods of precise measurement of short time intervals. E. M. Vinnikov, D. P. Markovskii. Izm. tekh. no. 12:49-53 D '63.

TIME STUDY

Determining the time expended per unit of production in

TIN ORGANIC COMPOUNDS

Some features of the Mossbauer effect on Sn^{119} nuclei in organotin oxides. A. IU. Aleksandrov and others. Dokl. AN SSSR 153 no. 2 370-373 N '63.

TIN PLATING

Revealing the microstructure of a metal by the electric deposition of another metal. G. A. Kokorin. Sbor. trud. TSNIICHM no. 32, 118-123 '63

TIRASPOL' DISTRICT—AGRICULTURE

Results of selfless labor. G. Bolfa, G. Zavaniuk. Komm. Mold. 8 no. 9, 29-32 S '63.

TIRES, RUBBER

Calculating tires with meridional disposition of cord threads in the casing. V. L. Biderman, B. L. Bukhin. Rasch. na prochn. no. 9, 31-47 '63.

Foot gear for automobiles. M. Onyshchenko. Nauka i zhyttia 13 no. 10, 23 N '63.

TIRES, RUBBER—MAINTENANCE AND REPAIR

Increasing the serviceability of pneumatic tires. I. I. Gal'chenko. Sbor. trab. GOSNITI no. 16, 68-79 [161].

TIRES, RUBBER—RETREADING AND RECAPPING

Evzovich, V. E. [Retreading motor-vehicle tires] Vosstanovlenie protektorov avtomobil'nykh shin. Moskva, Avtotransizdat, 1963. 84 p.

TISSUE CULTURE

Lepin's modified medium for the cultivation of some transplanted tissue culture strains. I. I. Gurmina, R. N. Etingof. Vop. virus. 8 no. 2 234-237 Mr-Ap '63

Study of eye melanoblastoma in tissue cultures [with summary in English]. R. K. Marmur. Vop. onk. 9 no. 7, 36-41 '63.

TISSUE EXTRACTS

Antimicrobial action of the tissues of Ctenophora Beroë cucumis Fabr. B. V. Chentsov. Antibiotiki 7 no. 10, 900-902 O '62.

TISSUES—CALCIFICATION

Pathogenesis of extensive deposition of calcium in the soft tissues [with summary in English]. M. Z. Sigal, Z. G. Khamidullin. Probl. endok. i gorm. 9 no. 5, 78-81 S-O '63.

TISSUES—PRESERVATION

Klen, Rudolf. [Preparation and preservation of tissues. Translated from the Czech] Zagotovka i konservirovanie tkanei. Prague, Gos. izd-vo med. lit-ry, 1962. 316 p. illus.

Preparation of cadaver tissues in a medicolegal morgue. P. P. Kovalenko, F. F. Skvortsov, N. P. Demichev. Sud.-med. ekspert. 6 no. 1, 48-51 O-D '63.

TITANIUM—ANALYSIS

Current-voltage study of divalent vanadium compounds and their use in the amperometric titration of tetravalent vanadium and titanium [with summary in English]. Z. A. Gallai, T. IA. Mar'ianovskaia. Zhur. anal. khim. 18 no. 8, 924-929 Ag '63.

Photometric determination of titanium in aluminum and molybdenum-based alloys by means of diantipyrylmethane [with summary in English]. L. IA. Poliak. Zhur. anal. khim. 18 no. 8, 958-960 Ag '63.

TITANIUM—ELECTROMETALLURGY

Form of cathodic deposits of titanium obtained by the electrolysis of fused chlorides. B. F. Markov, T. A. Tishura. Ukr. khim. zhur. 29 no. 11, 1155-1157 '63.

TITANIUM—HYDROGEN CONTENT

Electrodeposition of metals on titanium. F. K. Andriu- 's, ucheb. zav., ; khim. i khim.

icnum, s.

method, . Avtom.

made Agupol'-

um alloy svar.

surface fiz.

U. D. 07 '63.

TITANIUM COMPOUNDS

Rate of nuclear relaxation as dependent on the symmetry of the Tl^{3+} complex in aqueous solutions. N. S. Kucheriavenko, E. I. Semenova. Dokl. AN SSSR 152 no. 3: 662-664 S '63.

TITANIUM OXIDES

Production of dielectric films on the basis of titanium-containing substances K A Vodop'ianov, A I Kotobov Izv vys ucheb zav , fiz no 3 166-171 '63

TKACHOU, MIKOLA

Treasures of the human soul. A. Makarevich. Rab. i sial. 39 no. 11, 14 N '63.

TOBACCO—DISEASES AND PESTS see subdivision under Armenia

TOBACCO HABIT

IAnushevskii, I. K. [Don't smoke!] Ne kurit! Moskva, Gos. izd-vo med. lit-ry, 1963. 28 p. (Nauchno-populiarnaia literatura. Biblioteka shkol'nika) (DNLM)

TOBACCO INDUSTRY

Vlasov, P. F. [Ventilation, air-conditioning and pneumatic conveying in tobacco factories] Ventiliatsiia, konditsionirovanie vozdukha i pnevmaticheskii transport na tabachnykh fabrikakh. Moskva, Pishchepromizdat, 1963. 155 p.

TOBACCO MOSAIC VIRUS

Synthesis of RNA in cell-free homogenates of leaves infected with tobacco mosaic virus [with summary in English]. V S Tongur and others Vop virus 8 no 2 142-144 Mr-Ap '63

TOCOPHEROL

Vitamin E content of the blood serum in Botkin's disease. A. M. Kishko, IU. V. Roshkovich. Klin. med. 41 no. 7: 27-28 Jl '63.

TODOROV, PETKO IURDANOV, 1879-1916

Olha Kobylianska and Petko Todorov. N. O. Tomashuk. Mizhslov. lit. vzaiem. no. 3, 93-107 '63.

TOLOCHIN DISTRICT—WOMEN IN AGRICULTURE

It's a great honor to be a Soviet farmer. A I. Savik. Rab. i sial. 39 no. 11, 16 N '63.

TOLSTOI, LEV NIKOLAEVICH, 1828-1910

Bocharov, S. G. [L. Tolstoi's novel "War and peace"] Roman L. Tolstogo "Voina i mir." Moskva, Goslitizdat, 1963. 140 p. (Massovaia istoriko-literaturnaia biblioteka)

Book of many generalizations. L. Opul'skaia. Vop. lit. 7 no. 10, 199-202 O '63.

Children's stories by L. N. Tolstoi. I. Kashtanova. Nar. obr. no. 9, 93-95 S '63.

Superb simplicity. M. Zhylhotski. Belarus' 20 no. 9: 25 S '63.

TOLUENE

Alkylation of toluene with acetylene in a reactor with a screened electric motor. V. G. Telegin, V. A. Sidorov. Khim. prom. no. 8, 567-570 Ag '63.

Solubility of oxygen-nitrogen mixtures in toluene. D. S. TSiklis, L. L. Shenderei. Khim. prom. no. 9, 690-691 S '63.

TOLUENE—TOXICOLOGY

Some characteristics of the course of acute appendicitis under conditions of trinitrotoluene poisoning. V. P. Kolevatykh. Vest. khir. 91 no. 7, 81-83 Jl '63.

TOLUENE, EFFECT OF RADIATION ON

Radicals formed in low-temperature radiolysis of toluene. N. IA. Buben, V. A. Tolkachev, I. L. Chkheidze. Kin. i kat. 4 no. 5, 683-687 S-O '63.

TOMATO PRODUCTS

Losses of pectin substances in the production of tomato paste. M. S. Mordkovich, S. IA. Raik, V. V. Arasimovich. Kons. i ov. prom. 18 no. 11, 19-21 N '63.

TOMATO PRODUCTS—PRESERVATION

Use of ascorbic acid in the preservation of tomato paste. A. F. Fan-IUng. Izv. vys. ucheb. zav. ; pishch. tekh. no. 5, 81-82 '63.

TOMATOES

Formation of chlorophyll and carotenoids in the fruits of tomatoes during their gradual growth and ripening. T. N. Godnev, E. F. Shabel'skaia. Dokl. AN BSSR 7 no. 5, 347-349 My '63.

TOMATOES—PRESERVATION

For you, housewives: How to salt vegetables. K. Chumakov. Koop. Kazakh. 6 no. 7, 64 O '63.

TOMILIN, SERGEI ARKAD'EVICH, 1877-1952

S. A. Tomilin; on the tenth anniversary of his death. P. T. Petrov. Sov. zdrav. 22 no. 7, 52-53 '63.

TONGUE—DISEASES

Treatment of desquamative glossitis. L. A. Vilkova. Teor. i prak. stom. no. 5, 86-88 '61.

TONOMETRY

Changes in the elastotonometric curve in rabbits under the effect of SHF. S. F. Belova. Trudy Inst gig. truda i prof. zab AMN SSSR no 1, 86-89 '60.

TONSILS—DISEASES

Allergic skin reaction to adenoviruses R. S. Dreizin, N. M. Porubinovskaia, E. E. Zolotarskaia Vop virus 8 no. 2 232-233 Mr-Ap '63.

Cornification of the lacunar epithelium of the tonsils [with summary in English]. N. N. Barmina. Arkh. pat. 25 no. 7, 61-67 '63.

Diagnostic value of antistreptokinase in rheumatic fever, chronic tonsillitis and protracted septic endocarditis [with summary in English]. V. N. Latysh. Vrach. delo no. 11, 15-20 N '63.

Dispensary service in chronic tonsillitis. A. I. Korkhov, V. M. Khmel'nik. Zdrav Bel. 9 no. 3, 10-41 Mr '63

TOOL STEEL—HEAT TREATMENT

Viaznikov, N. F., and A. N. Popandopulo. [Modern high-speed steel and its heat treatment] Sovremennaia bystrorezhushchaia stal' i ee termicheskaia obrabotka. Leningrad, 1963. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Serita: Metallovedenie i termicheskaia obrabotka, no. 5)

TOPOGRAPHIC MAPS

Estimating the accuracy of a topographic map needed in designing irrigation systems with deep wide-spaced canals. S. M. Dvoriankov. Trudy MIIZ no. 10, 9-14 '60.

TOPOGRAPHICAL SURVEYING

Scientific and technical problems at the present stage of topographic and geodesic research. S. G. Sudakov. Geod. i kart. no. 10, 3-11 O '63.

TOPOGRAPHY see subdivision under Pskov

TOPOLOGY

Construction of local and global homeomorphisms for a certain class of equations. V. I. Shevchenko. Dokl. AN SSSR 153 no. 2, 300-302 N '63.

Continuation of an equimorphism to infinity. V. A. Efremovich, E. S. Tikhomirova. Dokl. AN SSSR 152 no. 5, 1051-1053 O '63.

Countable conditions in locally convex spaces. B. S. Brudovskii. Dokl. AN SSSR 152 no. 5, 1031-1033 O '63.

Dini-convergence in a functional space. J. Flachemeyer. Dokl. AN SSSR 152 no. 5, 1071-1074 O '63.

Index of a system of singular equations. S. G. Mikhlin. Dokl. AN SSSR 152 no. 3, 555-558 S '63.

Precleaved mappings and A. D. Taimanov's theorem. Din' N'e T'ong. Dokl. AN SSSR 152 no. 3, 525-526 S '63.

Projective spectra and canonical coverings. P. S. Aleksandrov, V. I. Ponomarev. Usp. mat. nauk. 18 no. 5: 125-132 S-O '63.

Some imbedding theorems in Orlicz classes. IU. A. Dubinskii. Dokl. AN SSSR 152 no. 3, 528-532 S '63.

Some metrization theorems. A. V. Arkhangel'skii. Usp. mat. nauk. 18 no. 5, 139-145 S-O '63.

Stability of the topology of a magnetic field. G. V. Skornikov. Zhur. tekh. fiz. 33 no. 12, 1478-1482 D '63.

Symmetrical metric in a space of transfinite numbers. A. L. Lunts. Usp. mat. nauk. 18 no. 5, 171-172 S-O '63.

Topological FC-groups. V. I. Ushakov. Sib. mat. zhur. 4 no. 5, 1162-1174 S-O '63.

Topological properties of partially ordered sets. V. G. Vinokurov. Usp. mat. nauk. 18 no. 5, 151-155 S-O '63.

Topological similarity of automorphisms and translations of compact commutative groups. D. Z. Arov. Usp. mat. nauk. 18 no. 5, 133-138 S-O '63.

TOROTADZE, VLADIMIR, 1918-

Tiflis. Dom rabotnikov iskusstv Gruzinskoi SSR. [Exhibition of works by five Georgian artists: Ekaterina Bagdavadze, Petr Datebashvili, Georgii (Gaioz) Kotrikadze, Vladimir Torotadze, and Grigorii Chirinashvili. A catalog] Vystavka rabot piati Gruzinskikh khudozhnikov; Ekaterina Bagdavadze, Petr Datebashvili, Georgii (Gaioz) Kotrikadze, Vladimir Torotadze, Grigorii Chirinashvili. Katalog. Tbilisi, Soiuz khudozhnikov Gruzinskoi SSR i Khudozh. fond Gruzinskoi SSR, 1961. 63 p. plates. [In Georgian and Russian] (MH)

TORSION

Torsion of a prismatic bar with an arbitrary trapezoidal cross section. V. V. Abel'. Inzh. zhur. 3 no. 4, 662-669 '63.

Torsion of anisotropically hardening prismatic rods under the linearized law of plastic flow. V. V. Dudukalenko, D. D. Ivlev. Izv. AN SSSR, Mekh. i mashinostr. no. 5, 173-175 S-O '63.

TORTS

Some theoretical problems of tort liability. IU. Kh. Kalmykov. Izv. vys. ucheb. zav. ; prav. 7 no. 3, 133-136 '63.

TURKMENISM see subdivision under Turkmenistan

TOURISM
Romantic of the search. K. Iosifov. Kul't. i zhizn' 7 no. 11:12-16 '63.
Year of large-scale tourism. Evgenii Simonov. Ogonek 41 no. 42 24-25 O '63.

TOURISTS, FRENCH
We were in the U.S.S.R. Sov. Soiuz no. 11:34-37 '63.

TOWING see subdivision under Rhine River

TOXEMIA
Case of pregnancy toxemia complicated by diabetes insipidus. L. IA. Davydov, N. P. Genina. Akush. i gin. 39 no. 4 122 Jl-Ag '63.

TOXICOLOGY
Protective importance of neural inhibition of intoxication. V. N. Solov'ev. Trudy inst. norm. i pat. fiziol. AMN SSSR 1:37-47 '58.

TOXICOLOGY—ABSTRACTS
[Pharmacology. Toxicology] Ref. zhur.: Farm. Toks. no. 23 N '63.

TOXOPLASMOSIS
Conference on toxoplasmosis. Med. paraz. i paraz. bol. 32 no. 5,634 S-O '63.

TOY INDUSTRY see subdivision under Zagorsk

TOYS
(see also subdivision under Germany, East)
Homemade toys from natural materials in children's play. V. Chernenko. Doshk. vykh. no. 11:21-26 N '63.

TRACE ELEMENTS
(see also subdivision under Baikal Lake region)
Effectiveness of trace element fertilizers in the form of frits. G. L. Neliubova, N. K. Sidorova. Dokl. TSKHA no. 47:21-27 '59.
Losses occurring during the separation of accessory minerals from igneous rocks. V. V. Liakhovich. Trudy IMGRE no. 18:147-150 '63.
Methods for the separation of accessory minerals from melanocratic igneous rocks. S. F. Sobolev. Trudy IMGRE no. 18:159-164 '63.
Trace element content of soils in the savanna zone of the Republic of Mali. IA. V. Peive. Pochvovedenie no. 11 47-50 N '63.
Using trace element fertilizers in gray slightly saline loamy forest soils of Irkutsk Province. V. E. Shevchuk. Izv. ISKH no. 14:17-29 '59.

TRACE ELEMENTS IN THE BODY
Content of trace elements in the myocardium. Z. Kneta. Izv. AN Latv. SSR no. 9:115-122 '63.
Microelement content in proteins of the brain. V. F. Dmitriev, L. A. Gazarkh, S. A. Shipitsyn. Izv. ISKH no. 14:10-16 '59.
Microelements in the bones as indicators of the type of death. V. P. Desiatov, V. S. Zhuravlev. Sud.-med. ekspert. 6 no. 4:28-30 O-D '63.
Using emission spectrum analysis for determining micro elements in biological objects. S. A. Shipitsyn. Izv. ISKH no. 14:5-9 '59.

TRACHEA—SURGERY
Technique of alloplasty of circulatory defects of the trachea and bronchi [with summary in English]. IU. A. Furmanov. Vest. khir. 91 no. 7 46-50 Jl '63.
Tracheostomy as a means of preventing respiratory insufficiency in patients with severe multiple injuries. V. I. Ivanov. Ortop., travm. i protez. 24 no. 6:45-47 Je '63.

TRACHEA—WOUNDS AND INJURIES
Unusual case of severe combined injury with subcutaneous rupture of the trachea from the larynx. I. Z. Shmidt. Khirurgiia 39 no. 7:128-131 Jl '63.

TRACING-CLOTH
Deformation of tracing paper. M. P. Savinov. Trudy MIIZ no. 10:123-130 '60.

TRACK ATHLETICS
Before the fifth round. Smena 40 no. 13:30-31 Jl '63.
Developing swift motions in young track and field athletes. L. P. Baichenko, V. G. Kanaki. Probl. fiz. sporta no. 2:85-92 '61.

TRACTOR INDUSTRY see subdivision under Kharkov; Tashkent; Volgograd

TRACTOR INDUSTRY—ACCOUNTING see subdivision under Minsk

TRACTOR INDUSTRY—AUDITING AND INSPECTION see subdivision under Minsk

TRACTOR INDUSTRY—COSTS see subdivision under Kharkov

TRACTOR TRAINS—DYNAMICS
Zakin, IA. Kh. [Geometrical parameters of automotive transportation structures in the case of the use of tractor trains, investigations and recommendations] Geometricheskie parametry sooruzhenii avtomobil'nogo transporta pri ispol'zovanii avtopoezdov, issledovaniia i rekomendatsii. Moskva, Avtotransizdat, 1963. 43 p.

TRACTORS
Designers talk with machinery operators. Sel'. mekh. no. 10,20-21 O '63.
Effect of snow dampness on its properties and on the adhesion of tractors with snowy surfaces. V. I. Panov. Avt. prom. 29 no. 11:32-33 N '63.
[Increasing the operating speeds of agricultural machines and tractors] Povyshenie rabochikh skorostei sel'skokhoziaistvennykh mashin i traktorov, sbornik dokladov. Moskva, Mashgiz, 1963. 314 p.
Malyshko, A. K. [Tractor comes to the felling area] Traktor vykhodit na lesoseku. Minsk, Gosizdat BSSR, 1963. 30 p. (Bibliotechka novatora) (DNAL)
New tractors. L. V. Lebedinskii and others. Mashinostroenie no. 6:80-84 N-D '63.
Trepenenkov, I. I. [Operational indices of farm tractors] Ekspluatatsionnye pokazateli sel'skokhoziaistvennykh traktorov. Izd 2., ispr. i dop. Moskva, Mashgiz, 1963. 270 p.
Using new makes of pumps for hydraulic systems of tractors. G. L. Kol'bus. Mashinostroenie no. 6:87-90 N-D '63.

TRACTORS—ABSTRACTS
[Tractors and agricultural machinery and equipment] Ref. zhur.: Trakt. i sel'khoz. mash. i orud. nos. 11-12 N-D '63.

TRACTORS—CATALOGS
Briianskii avtomobil'nyi zavod. [Catalog of spare parts for the T-140, T-180, and D-804 tractors] Katalog zapasnykh chastei traktorov T-140, T-180 i D-804. Moskva, Mashgiz, 1963. 266 p.
Kharkivs'kyi traktornyi zavod. [Catalog of parts for the T-74 tractor] Katalog detalei traktora T-74. Moskva, Mashgiz, 1963. 166 p.

TRACTORS—COLD WEATHER OPERATION
Prepare tractors for winter. A. Shirkov, V. IAnkin. Sel'. mekh. no. 10:20-21 O '63.

TRACTORS—DYNAMICS
Increasing the stability of rectilinear motion of hinge-joint tractors. V. M. Boklag. Mashinostroenie no. 6: 72-73 N-D '63.

TRACTORS—ECONOMIC ASPECTS see subdivision under *Caucasus, Northern*

TRACTORS—ELECTRIC EQUIPMENT
Baranov, V. E., V. I. Vasilevskii, and S. M. Levin. [Electric equipment of tractors and motor vehicles] Elektrooborudovanie traktorov i avtomobilei. Moskva, Sel'khozizdat, 1963. 390 p.

TRACTORS—ENGINES
Adjusting engines for various types of operation. V. Grebnev. Tekh. v sel'khoz. 23 no. 9:63-66 S '63.
Fomin, A. A., and others. [Modern tractor diesel engines, atlas of designs] Sovremennye traktornye dizeli, atlas konstruktsii. Moskva, Mashgiz, 1963. 232 p.
Small-size regulator of the speed of tractor engines. V. Vasil'eva, L. Kachaeva. Tekh. v sel'khoz. 23 no. 9:54-54 S '63.

TRACTORS—FUEL SYSTEMS
Lenin, I. M., O. M. Malashkin, and G. I. Samoil'. [Fuel feed systems of motor-vehicle and tractor engines] Sistemy toplivopodachi avtomobil'nykh i traktornykh dvigatelei. Moskva, Mashgiz, 1963. 312 p.
Testing and adjusting the 4TN-9, 5x10 fuel pumps by a small-size adjuster. V. Vasil'eva, L. Kachaeva. Tekh. v sel'khoz. 23 no. 10:67-72 O '63.

TRACTORS—HYDRAULIC EQUIPMENT
Hydraulic system of the MTZ-50PL and MTZ-50 tractors. P. Pritsker, S. Kustanovich. Sel'. mekh. no. 10:8-9 O '63.

TRACTORS—LUBRICATION
Important areas for lubrication. V. Eremin. Tekh. v sel'khoz. 23 no. 9:35 S '63.

TRACTORS—MAINTENANCE AND REPAIR
(see also subdivision under Kazakhstan)
Manufacturing sealing elements. A. Malov. Tekh. v sel'khoz. 23 no. 10:82-83 O '63.
Personal "leaflets." I. Gensh. Sel'. mekh. no. 10:19 O '63.
Reconditioning piston pairs by chemical nickel plating. G. G. Zusmanovich. Sbor. rab. GOSNITI no. 16:64-67 [161].
Strengthening tractor frames. A. Ilinshchenko. Tekh. v sel'khoz. 23 no. 10:82 O '63.
Technological information cards for tractor maintenance. F. Popupanov. Tekh. v sel'khoz. 23 no. 10:52-58 O '63.

TRACTORS—SAFETY MEASURES
Safety measures. S. Gimein. Sel'. mekh. no. 10:14-15 O '63.

TRACTORS—TRANSMISSION DEVICES
Repairing the final drive. P. Andrianov. Tekh. v sel'khoz. 23 no. 9:73-74 S '63.

TRADE UNIONS
(see also subdivision under Anna District; Bulgaria; Donetsk Province; Leningrad; Mongolia, South Africa, Republic of)
Address on the last page. V. I. Dozhin. Sov. profsoiuzy 19 no. 18,39 S '63.
Baibarin, P. P., and S. A. Putiaev. [Industrial safety committee of the factory and plant local committee] Komissiia FZMK po okhrane truda [Moskva] Profizdat, 1963. 61 p (Bibliotechka profsoiuznogo aktivista, no. 12(60))
Be responsible for production. M. Rodionov. Sov. profsoiuzy 19 no. 18:6-9 S '63.
Comrade Klimov is right. M. Bol'shakova. Sov. profsoiuzy 19 no. 18:25 S '63.
Disseminate the live word among people. M. Zaleskii. Sov. profsoiuzy 19 no. 18:25-26 S '63.
Follow-up of our materials. Sov. profsoiuzy 19 no. 18-16 S '63.
Grishin, V. V. [Report on the activities of the All-Union Central Council of Trade Unions and the tasks of the U. S. S. R. trade unions during the large-scale building of a communist society, report of Comrade V. V. Grishin, President of the All-Union Central Council of Trade Unions at the 13th Congress of the Trade Unions of the U. S. S. R., October 28, 1963] Otchet o rabote VTsSPS i zadachi profsoiuzov SSSR v period razvernutogo stroitel'stva kommunisticheskogo obshchestva; doklad predsedatelia VTsSPS tovarishcha V. V. Grishina na XIII s"ezde profsoiuzov SSSR, 28 dekabria 1963 goda. [Moskva] Profizdat, 1963. 77 p.
IArkho, A. V. [Control of factory, plant, and local committees of trade unions over the observance of labor laws, a reference book] Kontrol' FZMK za sobliudeniem trudovogo zakonodatel'stva; spravochnaia kniga. [Moskva] Izd-vo VTsSPS Profizdat, 1963. 148 p.
Learn administration and management. Sov. profsoiuzy 19 no. 18:1-3 S '63.
Let's carry out the decisions of the party. A. Shafaurova. Sov. torg. 37 no. 11:1-5 N '63.
Letters from the editor. Sov. profsoiuzy 19 no. 16:42-43 S '63.
New customs in a village. G. Savvateeva. Sov. profsoiuzy 19 no. 18,27-28 S '63.
Nuruddinov, S. [Trade unions and public consumption funds] Profsoiuzy i obshchestvennye fondy potreblenila. [Moskva] Profizdat, 1963. 78 p. (Bibliotechka profsoiuznogo aktivista, no. 20(68)).
Organs of Soviet justice should strengthen their contacts with trade unions. Sov. iust. no. 20-4-6 O '63.
The power of kindness, prosperity, and abundance. V. Perera. Vest. sviazi 22 no. 11:30-31 N '62.
Raise the level of the trade unions' organizational work. A. Bulgakov. Part. zhizn' no. 24:8-14 D '63.
Soviet trade unions in the effort to increase labor productivity. L. Kostin. Sots. trud 8 no. 10:3-12 O '63.
They took part in the work of the Sixth Congress of Trade Unions. N. Vasin. Rech. transp. 22 no. 10:4-5 O '63.
Volunteer inspectors. E. N. Gumennyi. Put' i put. khoz. 7 no. 11:31 '63.
What use do you make of your rights? A. Temnov. Mest. prom. i khud. promys. 3 no. 9:17-18 S '62.

TRADE UNIONS—CONGRESSES
Loyalty to communism leads to victory. Grazhd. av. 20 no. 10:6 O '63.

TRADE UNIONS—OFFICERS see subdivision under Novogrodovka (Donetsk Province)

TRAFFIC ACCIDENTS
(see also subdivision under Moscow)
Possibility of a traumatic amputation (avulsions) of parts of the body in automobile injuries. A. A. Matyshev. Sud.-med. ekspert. 6 no. 4:40-41 O-D '63.
Rare case of barotrauma of the respiratory tract. A. P. Ignatenko. Sud.-med. ekspert. 6 no. 4:42 O-D '63.

TRAFFIC ENGINEERING
(see also subdivision under Moscow)
Stramentov, A. E., and M. S. Fisbel'son. [City traffic; problems of speed and safety] Gorodskoe dvizhenie; voprosy skorosti i bezopasnosti. Moskva, Gosstroiizdat, 1963. 293 p.

TRAFFIC POLICE see subdivision under Moscow

TRAFFIC REGULATIONS
(see also subdivision under Namangan)
Our dictionary (passing area). G. Solov'ev. Za bezop. dvizh. 6 no. 11:8-9 N '63.

TRAFFIC SAFETY
(see also subdivision under Moscow)
Attention, it is fall. A. Belan. Za bezop. dvizh. 6 no. 9:2 S '63.
Traffic organization and safety. Avt. transp. 41 no. 11:47-50 N '63.

TRAFFIC VIOLATIONS
"Traffic accidents and their investigation." Reviewed by B. Kurinov, N. IAblokov. Sov. iust. no. 20:27-29 O '63.

TRAIN FERRIES see subdivision under Caspian Sea

TRAIN FERRIES—FIRES AND FIRE PREVENTION
Fire extinguishing system by means of aerated water with emulsifier used on the ferry "Sovetskii Azerbaijan." K. A. Vasil'ev. Sudostroenie 29 no. 11:18-20 N '63.

TRAINING OF ANIMALS see Animals, Training of

TRANSAMINASES
Interaction between sodium dodecyl sulfate and aspartate-glutamate-transaminase. IU. M. Torchinskii, V. O Shpikiter. Dokl. AN SSSR 152 no. 3:751-753 S '63.
Significance of determining the activity of glutamic oxalacetic transaminase, aldolase and C-reactive protein for the differentiation of macro-and microfocal myocardial infarct and stenocardia. B. IA. Bart. Terap. arkh. 35 no. 5:28-34 My '63.

TRANSBAIKALIA—GEOLOGY, STRATIGRAPHIC
Age of the Borgoyskiy formation in western Transbaikalia IU. V. Komarov, A. I. Kiselev. Dokl. AN SSSR 152 no. 3:693-694 S '63.

TRANSBAIKALIA—MINERALS IN SOIL
Chemical composition of the layer covering the grains of primary minerals in some mountain-taiga soils of eastern Transbaikalia. K. IA. Dorokhova, T. A. Sokolova. Pochvovedenie no. 10:34-36 O '63.

TRANSCARPATHIA—ANDESITES
Andesite-basalts in Transcarpathia of the Ukrainian S. S. R. as raw materials for obtaining cast stones. A. V. Kosyns'ka and others. Geol. zhur. 23 no. 5:63-72 '63.

TRANSCARPATHIA—BASALT
Andesite-basalts in Transcarpathia of the Ukrainian S. S. R. as raw materials for obtaining cast stones. A. V. Kosyns'ka and others. Geol. zhur. 23 no. 5:63-72 '63.

TRANSCARPATHIA—DESCRIPTION AND TRAVEL
Rainbows over mountain valleys. Borys Sylin. Ukraina no. 12:15-16 Je '62.

TRANSCARPATHIA—GROUND BEETLES
Vertical distribution of ground beetles (Coleoptera, Carabidae) in Transcarpathia [with summary in English]. V. I. Ponomarchuk. Zool. zhur. 42 no. 10:1485-1493 '63.

TRANSCARPATHIA—HISTORY
Kolomiets, L. G. [Socioeconomic relations and the political movement in Transcarpathia in the second half of the 19th century] Sotsial'no-ekonomicheskie otnoshenila i obshchestvennoe dvizhenie v Zakarpat'e vo vtoroi polovine XIX stoletiia. Tomsk, Izd-vo Tomskogo univ.
Vol. 2. 1962. 677 p. 2 fold. maps.

TRANSCARPATHIA—ORE DEPOSITS
Structure and formation of the Vyshkovo ore region and its prospects. A. F. Korzhyns'kyi. Geol. zhur. 23 no. 5:15-26 '63.

TRANSCASPIAN PROVINCE—ALLIED INTERVENTION, 1918-1920
A military episode or direct aggression? R. Tuzmukhamedov. Mezhdunar. zhizn' 10 no. 11:124-127 N '63.

TRANSCAUCASIA—ARCHIVES
The Regional Conference of Trascaucasian Archivists. L. N. Krivoshein. Ist. arkh. 8 no. 3:205-206 My-Je '63.

TRANSCAUCASIA—PRECIPITATION (METEOROLOGY)
Exponent n in the formula for calculating the intensity of showers for Transcaucasia and the computation curve of the shower parameter of different durations. A. G. Posun'ko. Izv. AN Arm. SSR. Geol. i geog. nauki 16 no. 4/5:177-176 '63.

TRANSCAUCASIA—REVOLUTION, 1917-1921
Defense of a doctor's dissertation on military history. A. Khmel'kov. Voen.-ist. zhur. 5 no. 11:117-118 N '63.

TRANSCAUCASIA—SEISMOLOGY
Recent tectonics and seismicity in the Armenian S. S. R. and the adjacent parts of the "Anticaucasus." A. A. Gabrielian. Izv. AN Arm. SSR. Geol i geog. nauki 16 no. 4/5:63-75 '63.

TRANSCENDENTAL FUNCTIONS see Functions, Transcendental

TRANSDUCERS
Contact code transducer for automatic control position systems. B. Kh. Gabaidulin, S. I. Mukhametshina. Stan. i instr. 34 no. 11: 33-34 N '63.
Inductive transducer for dynamometry in oil wells. T. M. Aliev and others. Izv. vys. ucheb zav ; neft' i gaz 4 no. 12:103-108 '61.
Problems concerning errors and data processing in measuring the frequency of string transducers in systems of centralized control with electronic digital computers. R. IA. Kasumov, B. B. Timofeev. Izv. AN Azerb. SSR. Ser. fiz. -mat. i tekh. nauk no. 4: 21-31 '63.
Theory of television transducers used in automatic control system (with summary in English on p. 95). A. B. Levit. Tekh. kino i telev. 7 no. 11:36-43 N '63.
Transducer for a nuclear quadrupole resonance spectrometer in the 130-320 mc range for low-temperature measurements. D. F. Baisa, S. M. Riabchenko. Prib. i tekh. eksp. 8 no. 4:107-109 Jl-Ag '63.

TRANSIENTS (ELECTRICITY)
Choice of coordinate systems and use of equivalent circuits in mathematical modeling of the transients of synchronous and asynchronous machines. N. I. Sokolov. Trudy VNIIE no. 15:47-72 '63.

TRANSISTOR AMPLIFIERS
Stable two-stage transistor amplifier with direct coupling. V. G. Zubov. Vop. pered. inform. 2 155-158 '63.
Transistor low-frequency amplifiers. I. Vasil'kevich. Radio no. 11:42-45 N '63.

TRANSISTOR CIRCUITS
Networks of linear transistor keying circuits. L. S. Gorn. Mnogokan. izm. sist. v iad. fiz. no. 5:80-86 '63.
Transistor stage with a composite feedback. N. S. Nikolaenko. Radiotekhnika 18 no. 10:30-34 O '63.

TRANSISTOR OSCILLATORS see Oscillators, Transistor

TRANSISTOR RADIOS
Output stages of transistor radio receivers. V. Rozov. Radio no. 9:49-51 S '63.
Superheterodyne using four transistors. M. Rumiantsev. Radio no. 11:39-41 N '63.
"Topaz-2" and "Start-2" pocket radios. I. Belov, O. Grigor'eva. Radio no. 9:38-39 S '63.

TRANSISTORS
Approximate calculation of the output characteristics of a transistor. N. P. Udalov. Izv. vys. uchob. zav. ; energ. 6 no. 10:119-122 O '63.
Berman, L. S. [New transistor devices in radio engineering, negative resistance devices] Novye radiotekhnicheskie poluprovodnikovye pribory; pribory s otritsatel'nym soprotivleniem. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1963. 33 p. (Serila: "Poluprovodniki," no. 8)
Dependence of the input admittance of transistors on temperature and collector current. I. N. Migulin, M. Z. Chapovskii. Radiotekh. i elektron. 8 no. 12:2066-2070 D '63.
Nikolaevskii, I. F. [Operating parameters and special features of the use of transistors] Eksploatatsionnye parametry i osobennosti premenentia tranzistorov. Moskva, Sviaz'izdat, 1963. 223 p.
Prospective developments in the design and manufacture of radio-electronic apparatus. F. E. Evteev. Izv. LETI no. 47:3-27 '62.
Theory of the frequenc, characteristics of p-n junctions at large injection levels. IU. F. Sokolov. Radiotekh. i elektron. 8 no. 12:2093-2097 D '63.
Thermally stable pulse amplifier using silicon transistors. G. A. Pushchin. Vop. pered. inform. 2:151-154 '63.
Transistor technology and miniature electronic equipment. IA. Fedotov. Radio no. 11:29-32 N '63.
Voltampere characteristics of a point contact with glass-type semiconductors. B. T. Kolomiets, E. A. Lebedev. Radiotekh. i elektron. 8 no. 12:2097-2098 D '63.

TRANSIT CIRCLE—TESTING
Preliminary determination of diameter corrections of the Toepfer meridian circle (with summary in English). V. A. Varina and others. Izv. GAO 23 no. 1:85-98 '62.

TRANSIT INSTRUMENTS
Investigating the Freiberg-Kondrat'ev transit instrument [with summary in English]. G. M. Petrov. Izv. GAO 23 no. 1:99-106 '62.
Investigating the Zeiss No. 16818 transit instrument [with summary in English]. L. A. Roze. Izv. GAO 23 no. 1:107-110 '62.

TRANSITION METALS
Geochemistry of the iron group elements in oils. S. M. Katchenkov. Trudy VNIGRI no. 212. Geokhim. sbor. no. 8:23-26 '63.
Reduction potentials of metals on a mercury electrode. Part 2: Nature of overvoltage in the reduction of metals on a mercury electrode. V. P. Gladyshev. Izv. vys. ucheb. zav. ; khim. i khim. tekh. 6 no. 5:752-757 '63.

TRANSPORTATION
(see also subdivision under Russia, Northern; Soviet Central Asia)
Consolidation of passenger transportation facilities. V. P. Dakhno. Transp. stroi. 13 no. 9:46-49 S '63.
For coordinated work on the part of railroad and inland transportation workers. N. Makhotkin, K. Malakhov. Rech. transp. 22 no. 11,10-11 N '63.

TRANSPORTATION—ABSTRACTS
[Container shipments and the interaction of various types of transportation] Ref. zhur. : Vzaimodeis. raz. vid. transp. i kont. perev no. 12 D '63.
[Industrial transportation] Ref. zhur. : Prom. transp. no. 12 D '63.

TRANSPORTATION—COST OF OPERATION
Poliakov, E. A. [Comparative efficiency of various types of transportation in the underdeveloped regions of the U. S. S. R.] Sravnitel'naia effektivnost' razlichnykh vidov transporta v maloosvoennykh raionakh SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 117 p.

TRANSPORTATION—ECONOMIC ASPECTS
Kommunisticheskaia partiia Sovetskogo Soiuza. Vysshaia partiinaia shkola. Kafedra sovetskoi ekonomiki. [Program on transportation economics; for schools of economics, study groups and seminars of the party educational system] Programa z ekonomiky transportu, dlia ekonomichnykh shkil, hurtkiv i seminariv systemy politychnoi osvity. Kyiv, Derzhpolitvydav URSR, 1963. 33 p.

TRANSPORTATION—LABOR PRODUCTIVITY
Utilize potentials for increasing labor productivity in U. S. S. R. transportation. V. Korostelov. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 6:85-89 '63.

TRANSPORTATION—LAWS AND REGULATIONS
Answering our readers' questions. Sov. iust. no. 21: 30 N '63.

TRANSPORTATION—PERIODICALS
Make use of abstract informational publications. E. I. Sorkin. Transp. stroi. 13 no. 9:75 S '63.

TRANSPORTATION—SPEED
In the pursuit of speed. Leonid Repin. Smena 40 no. 13:24-25 Jl '63.

TRANSPORTATION, AUTOMOTIVE
(see also subdivision under Lithuania; Sochi; Volgograd)
Analysis of the utilization of automotive transportation. I. K. Viter, V. G. Bil'skii. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:47-49 O '63.
Attention to the needs of passengers is the most important objective. M. Dolzhikov. Avt. transp. 41 no. 1:7 N '63.
Increase the activity and develop the initiative of working people. Avt. transp. 41 no. 11:1-3 N '63.
Information. Avt. transp. 41 no. 11:54-58 N '63.
Let's improve the work of automotive transportation N. Lebedev, R. Shteinberg. Sov. potreb koop. 7 no 10: 45-46 O '63.
Readers' letters. Avt. transp. 41 no. 11:50-51 N '63.
Why do construction industry units need motor vehicles? N. Chuguevets. Avt. transp. 41 no. 11:12-13 N '63.

TRANSPORTATION, AUTOMOTIVE—ABSTRACTS
[Automotive and city transportation] Ref. zhur. : Avt. i gor. transp. no. 11 N '63. Predmetnyi ukazatel' za 1962 g.

TRANSPORTATION, AUTOMOTIVE—ACCOUNTING see subdivision under Kiev region; Rostov; White Russia

TRANSPORTATION, AUTOMOTIVE—FINANCE
Business accounting in a collective farm automobile depot. M. Sidorenko. Ekon. sel'khoz. 34 no. 11:101-103 N '63.

TRANSPORTATION, AUTOMOTIVE—LAWS AND REGULATIONS
Decisions of arbitration agencies. Rad. pravo no. 6: 135-137 N-D '63.
We shouldn't waste the monetary resources of collective farms. V. Bilous, I. Shenkar. Rad. pravo no. 6:89-90 N-D '63.

TRANSPORTATION, AUTOMOTIVE—MANAGEMENT
Improvement in management is an important potentiality for increasing the efficiency of automotive transportation. IU. Rumiantsev, L. Matiukhina. Avt. transp. 41 no. 11:38-39 N '63.

TRANSPORTATION, AUTOMOTIVE—STUDY AND TEACHING

Training specialists. Avt. transp. 41 no. 11:53-53 N '63.

TRANSPORTATION, AUTOMOTIVE—TECHNOLOGICAL INNOVATIONS

Constant attention to inventors and innovators. S. Zavlin. Avt. transp. 41 no. 11:4-6 N '63.

TRANSUDATES

Diagnostic importance of transudates in the serous cavities in death from drowning, an experimental study. S. S. Bystrov. Sud.-med. ekspert. 6 no. 4:3-9 O-D '63.

TRAUMATISM

Book reviews. Med. sestra 22 no. 10:61-63 O '63.

"Brief course of traumatology." Reviewed by P. P. Kovalenko, N. P. Demichev. Vest. khir. 90 no. 6 143-145 Je '63.

Observations on the review by Professor K. I. Pikin and Candidate of Medical Sciences N. K. Mitiurin. I. R. Petrov, M. G. Shrather. Ortop., travm. i protez. 24 no. 6:84-85 Je '63.

Pain and its significance in injuries. D. A. Novozhilov. Ortop., travm. i protez. 24 no. 6:3-11 Je '63.

Report on the activities of the Societies of Traumatologists and Orthopedists for February 1963. Ortop., travm. i protez. 24 no. 6:86-94 Je '63.

Resuscitation problems in traumatological clinical practice. V. A. Negovskii. Ortop., travm. i protez. 24 no. 8:11-19 Je '63.

Some data on the characteristics of injuries due to motorcycling. A. I. Kurmaln. Sud.-med. ekspert. 6 no. 4:15-18 O-D '63.

Some problems of anesthesia and resuscitation in traumatology. I. I. Krupko and others. Ortop., travm. i protez. 24 no. 6:72-81 Je '63.

Some problems of industrial traumatism at the Ryazan Agricultural Machinery Plant. I. IA. Kupov. Trudy Ver. med. inst. 47:106-107 '62.

Tracheostomy as a means of preventing respiratory insufficiency in patients with severe multiple injuries. V. I. Ivanov. Ortop., travm. i protez. 24 no. 6:45-47 Je '63.

Traumatic asphyxia. P. S. Drachuk. Ortop., travm. i protez. 24 no. 6:47-49 Je '63.

"Traumatic shock." Reviewed by K. I. Pikin, N. K. Mitiurin. Ortop., travm. i protez. 24 no. 6:81-84 Je '63.

TRAVELING-WAVE TUBES

Two methods for microwave power stabilization. I. M. Balakhtskii, A. A. Bulgakov. Radiotekhnika 18 no. 10: 61-68 O '63.

TRAWLS AND TRAWLING

When the cruise is over... Z. TSybulskaia. Komsom. zhizn' no. 14:12-13 Jl '63.

TRAWLS AND TRAWLING—EQUIPMENT AND SUPPLIES

Arerkiev, V. P. [Fish location and electronavigation equipment on ships] Sudovye rybopoiskovye i elektronavigatsionnye pribory. Leningrad, Sudpromgiz, 1963. 231 p.

In cooperation with the fishing fleet. Mor. flot 23 no. 11: 6 N '63.

TREATIES

Talalaev, A. N. [Legal nature of international treaties] Iuridicheskaia priroda mezhdunarodnogo dogovora. Moskva, Izd-vo IMO, 1963. 280 p.

TREE FELLING—BY-PRODUCTS

Using brushwood as fertilizer. V. A. Chirkov. Put' i put. khoz. 7 no. 10:34 '63.

TREES—DISEASES AND PESTS

Zhuravlev, I. I. [Phytopathology] Fitopatologiia. Moskva, Sel'khozizdat, 1963. 279 p.

TREMATODA see subdivision under Konchozero, Lake

TRENCH DIGGING MACHINES

Mechanization of the construction of drainage on irrigated soils abroad. V. N. Gorinskii. Stroi. i dor. mash. 8 no. 11:19-23 N '63.

Formiantsev, V. A., and others. [Chain and bucket trenching excavators] Tsepnye transheinye ekskavatory. Moskva, Mashgiz, 1963. 120 p.

TRIALS (POLITICAL CRIMES AND OFFENSES) (see also subdivision under Matsukawa, Japan)

First trials in revolutionary tribunals. D. Golinkov. Sov. iust. no. 21:18-20 N '63.

From the history of the "Trial of the 193 Populists," 1877-1878. K. G. Liashchenko. Ist. arkh. 8 no. 3:214-218 My-Je '62.

TRIALS (TREASON) see subdivision under France

TRIANGULATION

Accuracy requirement in constructing analytical nets for planning and determining the sites of oil wells A. G. Akhmedov. Azerb. neft. khoz. 40 no 5:9-12 My '61.

Comments on I. M. Konopal'tsev's article. IU. A. Krukov, E. A. Boiarskii. Geod. i kart. no. 10:34-35 O '63.

Estimating the accuracy of the elements of some control triangulation systems in simplified adjustment (with separate solution of conditional equations by groups). V. P. Riazanov. Trudy MIIZ no. 10.35-38 '60.

I. M. Konopal'tsev's suggestions. P. A. Gaidaev. Geod. i kart. no. 10:30-31 O '63.

Simplified adjustment of analytical networks in the method of indirect measurements. S. G. Sharupich. Trudy MIIZ no. 10:28-33 '60.

Triangulation adjustment by angles and directions. G. V. Mikhnevich. Trudy MIIZ no. 10:59-74 '60.

Uniform method for measuring horizontal angles as proposed by I. M. Konopal'tsev. A. V. Rytov. Geod. i kart. no. 10:35-44 O '63.

Uniformly precise measuring results. N. G. Viduev. Geod. i kart. no. 10:26-29 O '63.

Use of consecutive analysis in triangulation. O. B. Shotain. Geod. i kart. no. 10:31-34 O '63.

TRIAZINE

Chemical weed control in forest plantations by triazine derivatives. N. M. Pankratova. Les. khoz. 16 no. 8: 30-34 S '63.

1, 3, 5-Triazines. Part I: Some transformations of 2-alkyl-4, 6-bis(trichloromethyl)-1, 3, 5-triazine Z. N. Parenko, T. N. Lebedeva.

TRICHINA AND TRICHINOSIS

Berezantsev, IU. A. [Trichinosis in man and animals] Trikhinellez cheloveka i zhivotnykh. Leningrad, Medgiz, 1963. 30 p. (Nauchno-populiarnaia meditsinskaia literatura) (DNLM)

Effect of deallocation and ultrasound on the viability of trichinella [with summary in English]. I. IA. Zimorol. Med. parazi. i paraz. bol. 32 no. 5:603-606 S-O '63.

TRICHODERMA

Effect of the culture liquid of the fungus Trichoderma on the seed germination of some plants. G. Sh. Seiketov, B. A. Kishinevskii. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:219-221 '63.

Effect of trichodermin on some representatives of the rhizosphere microflora of potatoes. G. Sh. Seiketov, B. A. Kishinevskii. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:222-227 '63.

TRICHOMONIASIS

Experience with peroral therapy of urogenital trichomoniasis with flagyl [with summary in English]. B. A. Tsokharov, A. F. Anikin, V. M. Klinyshkova. Vest. derm. i ven. 37 no. 7:62-66 Jl '63.

Significance of the culture method and repeated examinations in the diagnosis of trichomoniasis of the genitourinary tract [with summary in English]. J. H. Teros, E. M. Roigas, L. A. Laan. Med. paraz. i paraz. bol. 32 no. 5:586-588 S-O '63.

TRICHOPHYTON

Significance of tularemic epizootics in the spread of infections caused by Trichophyton gypseum [with summary in English]. Karol Kleibl. Vest. derm. i ven. 37 no. 7:33-35 Jl '63.

TRICHOTHECIN

Possibility of the use of the fungicidal antibiotic trichothecin in the control of cotton wilt. S. A. Askerova, R. IA. Ioffe. Antibiotiki 7 no. 10:929-930 O '62.

TRILOBITES see subdivision under Altai Mountains; Tuva A.S.S.R.

TRITICUM-AGROPYRON HYBRIDS

Triticum-Agropyron hybrids. F. D. Kryzhanovskii. Priroda 52 no. 10:111-112 '63.

TROITSKOYE DISTRICT—GROCERY TRADE

Champions of the new and progressive. N. Kuzevanov. Sov. potreb. koop. 7 no. 10:27 O '63.

TRUCK FARMING see subdivision under Oka Valley; Samarkand District

TRUCK TRAILERS

Controllability of independent semitrailers. P. V. Akseonov, P. P. Shiriaev. Avt. prom. 29 no. 11:16-18 N '63.

Spare-wheel holder for semitrailers and trailers. IU. Surovegin, A. Onufriev. Avt. transp. 41 no. 11:46-47 N '63.

Trailer platform for gathering vegetables. A. Saftulin. Tekh. v sel'khoz. 23 no. 9:57-60 S '63.

TRUSKAVETS—HEALTH RESORTS, WATERING PLACES, ETC.

Masurenko, G. L. [Treatment of patients with chronic diseases of the liver and bile ducts at the Truskavets Health Resort] Lechenie bol'nykh s khronicheskimi zabolevaniiami pecheni i zhelchnykh putei na kurorte Truskavets. [n. p.] Izd-vo L'vovskogo univ., 1963. 132 p. (DNLM)

TRUSSES

Effect of the rigidity of joints on reinforce-concrete trusses of rectangular and trapezoid contour. IU. A. Kashirskii. Trudy Ural. politekh. inst. no. 131.5-11 '63.

Heating of joints of precast reinforced rafter segmental trusses. Z. Ganpantsura, I. Reinlib. Prom. stroi. i inzh. soor. 5 no. 5 64 S-O '63

Optimal height of aluminum trusses with parallel chords F. F. Tamplon, V. P. Sukhanov. Trudy Ural. politekh. inst. no. 131:88-95 '63.

Steel trusses with individually prestressed rods. B. A. Speranskii. Trudy Ural. politekh. inst. no. 131: 53-66 '63.

TRUSSES—TRANSPORTATION

Transport of trusses. R. D. Bujuklinskii. Put' i put. khoz. 7 no. 12 25 '63.

TRUSTS, INDUSTRIAL see subdivision under France, Great Britain

TRYPSIN

Effect of fatty acids on the enzymatic properties of trypsin. V. V. Mosolov, P. V. Afanas'ev. Dokl. AN SSSR 152 no. 3 748-750 S '63.

Proteolytic enzyme treatment of children with chronic pneumonia. M. G. Chukhlovina. Pediatriia 41 no. 7 26-31 Jl '63.

TSELINNYY KRAY see Virgin Territory

TSELINOGRAD PROVINCE—CLERKS (RETAIL TRADE)

Ably and in a businesslike manner. IU. Popov. Koop. Kazakh. 6 no. 7 35-36 O '63.

TSELINOGRAD PROVINCE—FORESTS AND FORESTRY—VALUATION

Evaluating the small-size timber in the pine forests of the Kazakh peneplain. A. A. Makarenko, V. V. Shul'ga Vest. sel'khoz. nauki [Kazakh.] 6 no. 9 82-86 S '63.

TSELINOGRAD PROVINCE—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

Our foreman. D. Ushakov. Nar. khoz. Kazakh. 21 no. 9 35-36 S '63.

TSELINOGRAD PROVINCE—STATE FARMS

From tractor and field brigade to a mixed one. M. Povzhik. Ekon. sel'khoz. 32 no. 7:79-82 Jl '61.

TSIGAL', VIKTOR EFIMOVICH, 1918-

Gertsenberg, V. R. Viktor Tsigal', Leningrad, Khudozhnik RSFSR, 1963. 63 p. illus.

TSVETKOV, VASILII IVANOVICH

Thousands of lands. A. Kitichenko. Zvezda no. 5:178-179 My '62.

TSVIRKO, VITALII KONSTANTINOVICH, 1913-

Artist of the land of White Russia. O. Zaslavskaia. Iskusstvo 26 no. 7:30-36 '63.

TUBE FEEDING

Method of fixing the peripheral end of the rubber tube introduced into the stomach. I. S. Sokolov. Med. sestra 22 no. 10:53 O '63.

TUBERCULOSIS (see also subdivision under Latvia; Yakutia)

Anatomical and roentgenological manifestations of fibrocavernous tuberculosis [with summary in French]. A. I. Strukov and others. Probl. tub. 40 no. 6 74-81 '62.

Case of soft tissue tuberculoma of the anterior abdominal wall. V. I. Stratonovich. Vest. rent. i rad. 38 no. 5: 69-70 S-O '63.

Compound treatment of tuberculous patients [with summary in French]. F. V. Shebanov. Probl. tub. 40 no. 6 15-23 '62.

Course of the postoperative period following pulmonary resection in tuberculosis depending on the condition of the bronchial tree before the operation [with summary in French]. IU. M. Guzeev. Probl. tub. 40 no. 6:52-55 '62.

Current state and problems of extended surgical aid for patients with pulmonary tuberculosis. A. G. Safonov. Probl. tub. 40 no. 6: 3-10 '62.

Histaminopexy in healthy children and in those with primary tuberculosis [with summary in English]. O. V. Kulishko, E. V. Sereda. Pediatriia 41 no. 7:11-17 Jl '63.

History of the technique of examining laryngeal smears for the diagnosis of tuberculosis in children. F. L. Vinnikov. Pediatriia 41 no. 7:77-80 Jl '63.

Indications for extensive thoracoplasty in tuberculosis pleural empyema [with summary in French]. S. A. Gavrilov. Probl. tub. 40 no. 6:43-48 '62.

Intrathoracic interventions in primary tuberculosis in children and adolescents [with summary in French]. M. L. Shulutko, G. A. Panfilova. Probl. tub. 40 no. 6: 31-36 '62.

TUBERCULOSIS (Continued)

Ligation of the main bronchus in pulmonary tuberculosis. B. N. Bogdanovich, E. N. Chepenets Probl. tub. 40 no. 6:103-104 '62.

Limitations of chemotherapy in pulmonary tuberculosis and indications for surgical treatment [with summary in French]. N. A. Shmelev. Probl. tub. 40 no. 6 23-28 '62.

Modern anesthesia for pulmonary surgery in tuberculosis [with summary in French]. E. M. Lebedev, IU. N. Zhilin. Probl. tub. 40 no. 6:55-62 '62.

Place of collapse surgery in the treatment of pulmonary tuberculosis [with summary in French]. T. N. Khrushchova. Probl. tub. 40 no. 6 28-31 '62.

Prolonged treatment of pulmonary tuberculosis in the mountain resort of Abastumani. A. I. Nodiia. Probl. tub. 40 no. 6 95-96 '62.

Pulmonary resection in children and adolescents in tuberculosis and means for the improvement of its effectiveness. I. M. Slepukha. Probl. tub. 40 no. 6 35-38 '62.

Pulmonary resection in tuberculosis [with summary in French]. R. N. Vitkova, B. A. Polianskii, D. P. Metelkin. Probl. tub. 40 no. 6 38-42 '62.

Respiratory and blood circulation functions in disseminated pulmonary tuberculosis. V. S. Dragan, V. G. Sokol. Zdravookhranenie 6 no. 5 44-48 S-O '63.

Selection of an anesthetic method in pulmonary resection in tuberculosis [with summary in French]. L. G. Marchenko. Probl. tub. 40 no. 6 63-68 '62.

Significance of thoracic tomography with a lateral projection in tuberculosis [with summary in English]. A. V. Aleksandrova. Vest. rent. i rad. 38 no. 5 19-21 S-O '63.

Some data on electrophoretic study of blood protein fractions in children with tuberculosis [with summary in English]. N. IA. Rodionova. Pediatriia 41 no. 7:8-11 Jl '63.

Some neurohumoral reactivity indices in various forms of *tuberculosis* in young children [with summary in English]. E. V. Sereda, T. S. Krasavina. Pediatriia 41 no. 7 3-7 Jl '63.

Streptomycin and BCG therapy of guinea pigs infected with various doses of Mycobacterium tuberculosis [with summary in French]. R. Radanov, P. Dobrev. Probl. tub. 40 no. 6:91-95 '62

Study of the external respiratory function by tomography in pulmonary tuberculosis [with summary in English]. I. N. Maslennikova. Vest. rent. i rad. 38 no. 5 22-26 S-O '63.

Surgical treatment of patients with pulmonary tuberculosis in the mountain resort of Dilizhan. E. T. Karapetian. Probl. tub. 40 no. 6 97-99 '62.

Therapeutic results in extrapleural pneumonolysis. D. I. Prokop'ev, M. G. Karagapolova. Probl. tub. 40 no. 6:101-103 '62.

Tuberculostatic activity and chemotherapeutic effects of thio amides of pyridinecarboxylic acid in experimental tuberculosis [with summary in French]. G. N. Pershin, T. N. Zykova. Probl. tub. 40 no. 6 82-88 '62.

TUBERCULOSIS—CONGRESSES

Scientific Session of the Moscow Scientific Research Institute of Tuberculosis of the Ministry of Public Health of the R. S. F. S. R. S. R. Lachinian. Probl. tub. 40 no. 6:113-117 '62.

Scientific Session of the Odessa Scientific Research Institute of Tuberculosis. N. F. Bandurovskaia. Probl. tub. 40 no. 6:117-118 '62.

TUBERCULOSIS—HOSPITALS AND SANATORIUMS see subdivision under Novocherkassk

TUBERCULOSIS—PREVENTION

Review of V. M. Vekilov and A. G. Pogosov's book "Organizational problems in the control of tuberculosis." S. V. Massino. Probl. tub. 40 no. 6:106-107 '62.

TUBERCULOSIS—PREVENTIVE INOCULATION

Increasing the effectiveness of antituberculer vaccination in an experiment. G. G. Karapetian. Zhur. eksp. i klin. med. 3 no. 4:61-68 '63.

TUBEROUS SCLEROSIS

Skin disorders in Pringle-Bourneville disease [with summary in English]. L. P. TSirkunov. Vest. derm. i ven. 37 no. 7:49-52 Jl '63.

TUBES—WELDING

Radio-frequency welding of straight-seam tubes on the 6-32 machine. A. T. Konlushenko and others. Metallurg 8 no. 10:24-26 O '63.

TUKHACHEVSKII, MIKHAIL NIKOLAEVICH, 1893-1937—FICTION

We shouldn't tolerate the distorted description of historical events and facts. IA. M. Gorelik. Vop. ist. 38 no. 12:263-266 D '63.

TULA—HEMORRHAGIC FEVER

Characteristics of epidemiological manifestations of natural foci of Tula hemorrhagic fever with the renal syndrome. IU. A. Miasnikov and others. Med. parazit. i parazit. bol. 32 no. 5:521 S-O '63.

TULA—ORTHOPEDIC APPARATUS INDUSTRY

On the overtime shift. A. Sivakov. Sots. obesp. 24 no. 9:46-47 S '63.

TULA PROVINCE—CHEMICAL INDUSTRIES

Friendly relations with the chemists. A. Tumanov. *Part. zhizn' no 24 63-65 D '63.*

TULAIKOV, NIKOLAI MAKSIMOVICH, 1875-1938

Academician N. M. Tulaikov's autobiography and his paper delivered at a conference. Submitted by D. T. Subbotin, K. P. Tulaikova. Ist. arkh. 8 no. 3 109-119 My-Je '63.

TULAREMIA
(see also subdivision under Nakhichevan A.S.S.R.)

Significance of tularemic epizootics in the spread of infections caused by Trichophyton gypseum [with summary in English]. Karol Kleibl. Vest. derm. i ven. 37 no. 7:32-35 Jl '63.

TUL'SKIY (ADYGE AUTONOMOUS PROVINCE)—RESTAURANTS, LUNCHROOMS, ETC.

A review is going on Sov. potreb. koop 7 no 10:11-12 O '63.

TUMORS

Experimental study of the antitumor activity and effect on the body of antibiotic 323/58 [with summary in English]. L. D. Gol'dberg and others Antibiotiki 7 no. 10:884-888 O '62

Isolation of active viruses from tumors of viral origin non-inoculable by filtrates. V. Popov. Izv. AN Latv. SSR no. 9:83-90 '63.

Leukemoid reactions in tumorlike diseases. S. B. Vainberg, IU. G. IUdin, B. V. Antipov. Vop. klin. pat. no. 2: 257-262 '61.

X-ray treatment of so-called giant cell tumors. T. M. Klepikova-Troitskaia. Vop. klin. pat. no. 2:161-172 '61.

TUMORS—TRANSPLANTATION

Anti-tumor activity of allylamides and ethylenemides of phosphoric and thiophosphoric acid [with summary in English]. V. A. Chernov, S. M. Volodarskaia. Vop. onk. 9 no. 7:5-11 '63.

Changes in the biological properties and morphology of the transplantable strain of rabbit sarcoma during 100 generations [with summary in English]. A. F. Kondrat'eva. Vop. onk. 9 no. 7:11-15 '63.

Effect of methacil on the growth of transplantable tumors [with summary in English]. I. P. Serzhanin. Vop. onk. 9 no. 7 33-35 '63.

Experiments on homologous transplantation of tumors in monkeys [with summary in English]. A. E. Nadareishvili, G. N. Zantaria. Arkh. pat. 25 no. 7:32-37 '63.

Stimulating effect of thesane and pentoxyl on the growth of transplantable tumors [with summary in English]. V. A. Chernichenko, N. M. Kralich. Vop. onk. 9 no. 7: 41-44 '63.

TUNGSTEN—ANALYSIS

Determination of sodium in metallic tungsten by the radioactivation method [with summary in English]. V. I. Spitsyn and others. Zhur. anal. khim. 18 no. 10: 1272-1273 O '63.

TUNGSTEN—ELECTRIC PROPERTIES

Surface migration and adsorption of barium atoms on the edges of filamentary monocrystals of tungsten. L. V. Reshetnikova. Radiotekh. i elektron. 8 no. 12: 2071-2077 D '63.

TUNGSTEN—SPECTRA

Spectral characteristics of the system W - Ba in polarized light. M. L. Kapitsa, L. M. Grigor'ev, A. V. Ivanov. Fiz. tver. tela 5 no. 11:3349-3350 N '63.

TUNGSTEN-RHENIUM ALLOYS—THERMOELECTRIC PROPERTIES

Some thermometric properties of tungsten-rhenium thermoelectrode materials. G. B. Lapp, D. I. Popova. Izm. tekh. no. 11:20-21 N '63.

TUNGUS LANGUAGE—DIALECTS see subdivision under Yakutia

TUNGUSKA, NIZHNYAYA see Lower Tunguska Valley

TUNGUSKA BASIN—COAL GEOLOGY

Distribution of coals at different degrees of metamorphism in the western margin of the Tunguska Basin. I. K. IAkovlev. Sov. geol. 6 no. 12:58-67 D '63.

TUNGUSKA BASIN—PTERIDOSPERMAE

Some Pteridospermae from Permian sediments in the Tunguska Basin. E. S. Rasskazova. Sbor. st. po paleont. i biostrat. no. 30:73-103 '62.

TUNGUSKA VALLEY, PODKAMENNAYA see Podkamennaya Tunguska Valley

TUNNEL DIODES

Current discriminators on tunnel diodes. B. N. Korono., A. S. Sidorov, V. F. Leonov. Prib. i tekh. eksp. 8 no. 5:103-106 S-O '63.

Effect of various laminating impurities on the voltampere characteristics of tunnel diodes. N. A. Belova. Radiotekh. i elektron. 8 no. 12:2091-2093 D '63.

TUNNEL LINING
(see also subdivision under Moscow)

Construction of precast reinforced concrete tunnel linings. O IU. Antonov. Bet. i zhel.-bet. 9 no. 10:462-464 O '63.

Determination of standard loads and coefficients of overloads according to results of rock pressure measurements. B. N. Vinogradov. Transp. stroi. 13 no. 9:59-61 S '63.

Study of block joints of reinforced concrete tunnel linings. M. I. Krasnov. Bet. i zhel.-bet. 9 no. 10:466-468 O '63.

TUNNEL LINING—DESIGN AND CONSTRUCTION

Necessity of more exact calculation designing of tunnel linings. I. A. Baslavskii. Transp. stroi. 13 no. 9:61-62 S '63.

TUNNELING
(see also subdivision under Afghanistan)

Gumbat Mamedov's brigade works well. A. I. Dvoskin. Transp. stroi. 13 no. 9:41 S '63.

TUNNELS

Experience in the reconstruction of tunnels on electrified lines. I. I. Merinov. Put' i put. khoz. 7 no. 12:34-35 '63.

TURAN PLATEAU—GAS, NATURAL—GEOLOGY

Permotriassic of the Turan Plateau. M. I. Varentsov, A. I. Levenko. Dokl. AN SSSR 153 no. 2 420-423 N '63.

TURAN PLATEAU—PETROLEUM GEOLOGY

Permotriassic of the Turan Plateau. M. I. Varentsov, A. I. Levenko. Dokl. AN SSSR 153 no. 2:420-423 N '63.

TURBINES

Leakage detection in the vacuum system of a turbine unit using a halogen leakage detector. L. D. Berman, F. I. Prokhorova. Elek. sta. 34 no. 10:34-38 O '63.

TURBINES—ABSTRACTS

[Turbine manufacture] Ref. zhur.: Turbostr. no. 12 D '63.

TURBODRILLS

Determining the moment of friction in radial supports of a turbodrill. T. N. Klimbekii. Azerb. neft. khoz. 42 no. 5:19-20 *My '61.*

Strength analysis of some parts of turbodrill engines. B. V. Kuzin. Rasch. na prochn. no. 9:48-55 '63.

TURBOGENERATORS

Improved techniques for pressing active steel of TV2-150-2 and TVF-100-2 turbogenerators. Elek. sta. 34 no. 10 91 O '63.

TURBOGENERATORS—TESTING

Testing of a control system taking into account additional *load impulses.* S. A. Kantor, K. V. Orlov, A. I. Potapov. Izv. vys. uchob. zav.; energ. 6 no. 10:61-67 O '63.

TURBOMACHINES

Reducing end losses in cascades of profiles of turbomachines. E. K. Olesovich. Trudy Od. tekh. inst. 14: 45-48 '62.

TURBULENCE

Calculation of the mutual velocities of blokes particles in a turbulent flow. IU. S. Sedunov. Izv. AN SSSR, Ser. geofiz. no. 11:1747-1753 N '63.

Lagrangian characteristics of turbulence. V. N. Ivanov, R. L. Stratonovich. Izv. AN SSSR, Ser. geofiz. no. 10 1581-1593 O '63.

Use of conformal mappings for evolving the lines of a stream of turbulent flows in the theory of functions of a complex variable. Sh. Ismudov. Izv. AN Turk. SSR, Ser. fiz.-tekh., khim. i geol. nauk no. 1:10-15 '62.

TURGAY GATES—BAUXITE

It is not any better here either. P. Isaev. Nar. khoz. Kazakh. 21 no. 9:15-18 S '63.

TURGAY GATES—MINE BUILDINGS

It is not any better here either. P. Isaev. Nar. khoz. Kazakh. 21 no. 9:15-18 S '63.

TURKESTAN—AGRICULTURE, COOPERATIVE

From the history of the creation and development of the simpler forms of agricultural cooperation in the Turkestan A.S.S.R. R. Kh. Aminova. Obshchestv. nauki v Uz. 7 no. 8:34-40 '63.

TURKESTAN—HISTORY

Tsitsurkhan, T. A. [The 50th anniversary of a rebellion of military engineers in Turkestan] 50 let vosstaniia turkestanskikh saperov. Tashkent, Gosizdat UzSSR, 1962. 89 p.

TURKEY—EUROPEAN WAR, 1914-1918

Germany, Austria-Hungary and Turkey entering the First World War. K. B. Vinogradov. Vop. ist. 38 no. 11:102 N '63.

TURKEY—FOREIGN RELATIONS—RUSSIA

Soviet people as a sincere and genuine friend of our country. Kemal Ataturk. Mezhdunar. zhizn' 10 no. 11 115-119 N '63.

TURKEY—POLITICS AND GOVERNMENT

Our commentaries. Nov. vrem. 21 no. 50:3-4 D '63.

TURKEY—STRIKES AND LOCKOUTS

Unions and generals. Nov. vrem. 21 no. 47:17 N '63.

TURKIC LANGUAGES—BIBLIOGRAPHY see Bibliography—Turkic languages

TURKIC LANGUAGES—DIALECTS

The Fourth Regional Conference on the Dialectology of Turkic Languages. A. Ishaev. Obshchestv. nauki v Uz. 7 no. 8:81-75 '63.

TURKISH ANTIQUITIES see subdivision under Tien Shan

TURKISH EPIC LITERATURE see Epic literature, Turkish

TURKMEN
(see also subdivision under Asia Minor; Balkhan Range region; Mangyshlak Peninsula)

Some data on the ethnology of the Shikh Turkmen. K. Atayev. Trudy Inst. ist., arkheol. i etn. AN Turk. 7:71-80 '63.

TURKMEN—FUNERAL RITES AND CEREMONIES see subdivision under Chelekan

TURKMEN—MARRIAGE CUSTOMS AND RITES

Marriage rites among Salor Turkmen from the end of the 19th to the early 20th century. A. Dzhikiev. Trudy Inst. ist., arkheol. i etn. AN Turk. 7:151-164 '63.

TURKMEN—SOCIAL LIFE AND CUSTOMS

Editorial. Trudy Inst. ist., arkheol. i etn. AN Turk. 7:5 '63.

TURKMENISTAN—AGRICULTURE

Stockbreeding and agriculture in southwestern Turkmenistan from the end of the 19th to the early 20th century. K. Nitazklychev. Trudy Inst. ist., arkheol. i etn. AN Turk. 7:58-70 '63.

TURKMENISTAN—CONDENSATE OIL WELLS

Gas condensate structure of the Okarem oil field. I. I. Il'ia'evich. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:111-115 '62.

TURKMENISTAN—DELHI BOIL

Occurrence of dermal leishmaniasis among greater gerbils in the interfluve of the Tedzhen and Murgab Rivers use of the methods of medium-scale mapping [with summary in English]. IU. A. Dubrovskii, G. D. Svidenko. Zool. zhur. 42 no. 9:1403-1408 '63.

TURKMENISTAN—DISSERTATIONS, ACADEMIC

Presentation of dissertations. V. I. Kriventsov. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:125-126 '62.

TURKMENISTAN—ETHNOLOGY—MAPS

Ethnic map of the Turkmen S.S.R. IA. R. Vinnikov. Trudy Inst. ist., arkheol. i etn. AN Turk. 7:6-8 '63.

TURKMENISTAN—FAULTS (GEOLOGY)

Beskrovnyi, N. S., S. D. Gomp, and T. V. Shvarts. [Deep faults in western Turkmenia and their role in the formation of oil pools] Glubinnye razlomy Zapadnoi Turkmenii i ikh rol' v formirovanii neftianykh zalezhei. Leningrad, Gostoptekhizdat, 1963. 104 p. (Leningrad, Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no. 210)

TURKMENISTAN—FISHING (IN RELIGION, FOLKLORE, ETC.)

Remnants of religious beliefs connected with the water element and fishing among Turkmen. S. Domidov. Trudy Inst. ist., arkheol. i etn. AN Turk. 7:119-134 '63.

TURKMENISTAN—FREIGHT AND FREIGHTAGE

Rodikov, V. I. [Economic relations of Soviet Turkmenistan] Ekonomicheskie sviazi sovetskogo Turkmenistana. Ashkhabad, Turkmengosizdat, 1963. 82 p.

TURKMENISTAN—GEOLOGY—SOCIETIES, ETC.

Work of the Geological Circle at the Geological Institute of the Academy of Sciences of the Turkmen S.S.R. IU. B. Aizenberg, I. IA. Davydov. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:124-126 '62.

TURKMENISTAN—GEOLOGY, STRATIGRAPHIC

Composition of rocks from the Farab floor of the crystalline basis. M. G. Krivosheeva, V. T. Krivosheev. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:122-123 '62.

TURKMENISTAN—GERBILS AS CARRIERS OF DISEASE

Occurrence of dermal leishmaniasis among greater gerbils in the interfluve of the Tedzhen and Murgab Rivers use of the methods of medium-scale mapping [with summary in English]. IU. A. Dubrovskii, G. D. Svidenko. Zool. zhur. 42 no. 9:1403-1408 '63.

TURKMENISTAN—GYPSUM

Vegetation on gypsoferous rocks in southwestern Turkmenistan. E. A. Vostokova. Izv. Vses. geog. ob-va 95 no. 5:430-436 S-O '63.

TURKMENISTAN—HEADGEAR

Turkmen headdress; collection of the State Ethnological Museum of the Peoples of the U.S.S.R. A. S. Morozova. Trudy Inst. ist., arkheol. i etn. AN Turk. 7:81-118 '63.

TURKMENISTAN—HISTORY

Akademiia nauk Turkmenskoi SSR, Ashkhabad. Institut istorii, arkheologii i etnografii. [Russo-Turkmen relations in the 18th and 19th centuries, before the incorporation of Turkmenistan into Russia] Russko-turkmenskie otnosheniia v XVIII-XIX vv., do prisoedineniia Turkmenii k Rossii. Sbornik arkhivnykh dokumentov. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 583 p.

TURKMENISTAN—INDUSTRIES

Rodikov, V. I. [Economic relations of Soviet Turkmenistan] Ekonomicheskie sviazi sovetskogo Turkmenistana. Ashkhabad, Turkmengosizdat, 1963. 82 p.

TURKMENISTAN—METEORITES

Iron meteorite rain. I. S. Astapovich. Priroda 52 no. 10:87-89 '63.

TURKMENISTAN—OIL WELL DRILLING

Drilling wells for oil under complex geological conditions of Turkmenia. V. I. Leonidov, K. F. Zhigach, L. K. Mukhin. Izv. vys. ucheb. zav., neft' i gaz 4 no. 12, 37-41 '61.

TURKMENISTAN—PETROLEUM GEOLOGY

Beskrovnyi, N. S., S. D. Gomp, and T. V. Shvarts. [Deep faults in western Turkmenia and their role in the formation of oil pools] Glubinnye razlomy Zapadnoi Turkmenii i ikh rol' v formirovanii neftianykh zalezhei. Leningrad, Gostoptekhizdat, 1963. 104 p. (Leningrad Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no. 210)

TURKMENISTAN—PHYTOGEOGRAPHY

Vegetation on gypsoferous rocks in southwestern Turkmenistan. E. A. Vostokova. Izv. Vses. geog. ob-va 95 no. 5:430-436 S-O '63.

TURKMENISTAN—REPTILES

Review of O. P. Bogdanov's book "Reptiles of Turkmenia." A. K. Rustamov. Zool. zhur. 42 no. 9:1427-1430 '63.

TURKMENISTAN—SPECTROPHOTOMETRY

Rotational temperature of hydroxyl as observed in Turkmenistan. G. I. Salova. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:115-117 '62.

TURKMENISTAN—STOCK AND STOCKBREEDING

Stockbreeding and agriculture in southwestern Turkmenistan from the end of the 19th to the early 20th century. K. Nitazklychev. Trudy Inst. ist., arkheol. i etn. AN Turk. 7:58-70 '63.

TURKMENISTAN—TOTEMISM

Remnants of totemism among the Turkmen. V. N. Basilov. Trudy Inst. ist., arkheol. i etn. AN Turk. 7:135-160 '63.

TURKMENISTAN—TUBERCULOSIS—CONGRESSES

Conference on the Control of Tuberculosis in the Turkmen S.S.R. A. A. Akhundov, K. O. Obezov. Probl. tub. 40 no. 6:108-109 '62.

TURKMENISTAN—WATER (IN RELIGION, FOLKLORE, ETC.)

Remnants of religious beliefs connected with the water element and fishing among Turkmen. S. Domidov. Trudy Inst. ist., arkheol. i etn. AN Turk. 7:119-134 '63.

TURNER'S SYNDROME

Pathogenesis and clinical aspects of gonadal dysgenesis [with summary in English]. E. M. Vitebskii. Probl. endok. i gorm. 9 no. 5:93-97 S-O '63.

TURNING

Problems in the precision machining of heavy shafts. A. P. Kuznetsov. Trudy GPI 17 no. 4:41-48 '61.

Residual stresses in the surface layer of steel parts machined on lathes. V. N. Timofeev, V. S. Vinogradov. Trudy GPI 17 no. 4:69-74 '61.

Using a cam set for multiple machining of fastenings on automatic lathes. V. I. Ishutkin. Mashinostroenie no. 5 24-26 S-O '63.

TURNING—STUDY AND TEACHING

Sorokin, N. IA. [Teaching special turning technology in a school] Prepodovanie spetsial'noi tekhnologii tokarnogo dela v uchilishche. Moskva, Proftekhizdat, 1962. 61 p. (Obmen opytom raboty)

TUROV (WHITE RUSSIA)—GLASSWARE

Glassware from ancient Turov. M. D. Polubotarinova Sov. arkheol. 7 no. 4 233-238 '63.

TUVA A.S.S.R.—AFFORESTATION

Afforestation of shifting sands in the central Tuva Depression. I. I. Smol'ianinov, N. G. Kharin, R. G. Moiseev. Les. khoz. 16 no. 9 44-46 S '63.

TUVA A.S.S.R.—AGRICULTURE WORKERS—EDUCATION AND TRAINING

Place care for man in the foreground. S. Tola. Agitator no. 22, 20-23 N '63.

TUVA A.S.S.R.—GEOLOGY, STRATIGRAPHIC

Age factors of the Riphean intrusive in Sangilen (Tuva). E. N. Altukhov. Dokl. AN SSSR 152 no. 5 1189-1191 O '63.

Concerning V. V. Pokrovskaia's book "Trilobite fauna and the stratigraphy of Cambrian sediments in Tuva." G. N. Lukashev. Sov. geol. 6 no. 12 157-158 D '63.

TUVA A.S.S.R.—SANDY SOILS

Afforestation of shifting sands in the central Tuva Depression. I. I. Smol'ianinov, N. G. Kharin, R. G. Moiseev. Les. khoz. 16 no. 9:44-46 S '63.

TUVA A.S.S.R.—TRILOBITES

Concerning V. V. Pokrovskaia's book "Trilobite fauna and the stratigraphy of Cambrian sediments in Tuva." G. N. Lukashev. Sov. geol. 6 no. 12 157-158 D '63.

TUWIM, JULIAN, 1894-1953

Letters written by Julian Tuwim. I. Koltasheva, V. Khorev. Slav. filol. [Mosk. un.] no. 4:288-296 '63.

Significance of Russian literature for the creative work of Julian Tuwim. IU. L. Bulakhovs'ka. Mizhslov. lit. vzaiem. no. 3:199-212 '63.

TUYMAZY REGION—OIL WELL DRILLING

Bashneft', Ob"edinenie. [Striving for the title of enterprise of communist labor, drilling practices of the office no. 1 of the Tuymazy Oil Well Drilling Trust] V bor'be za zvanie predpriiatiia kommunisticheskogo truda, iz opyta raboty kontory bureniia No. 1, tresta "Tiumazaburneft'." [Ufa] 1963. 50 p. (Vystavka dostizhenii narodnogo khoziaistva SSSR)

2,4-D

Aerosol method of applying herbicides. M. IA. Berezovskii. Dokl. TSKHA no. 47:125-132 '59.

Low-volatility esters of 2,4-dichlorophenoxyacetic acid as herbicides. M. IA. Berezovskii. Dokl. TSKHA no. 47:109-115 '59.

Selective inhibition of protein synthesis in plants by 2,4-D. F. K. Vorob'ev. Dokl. TSKHA no. 47:117-123 '59.

TYCHYNA, PAVLO HRYHOROVYCH, 1891-

"Studying the works of P. H. Tychyna in schools" by I. I. Sobolev. Reviewed by I. I. Svarnyk. Ukr. mova i lit. v shkoli 13 no. 5 80-82 Jl '63.

TYMPANAL ORGAN—SURGERY

Potapov, I. I., N. V. Zberovskaia, and V. O. Kalina. [Tympanoplasty] Timpanoplastika. Pod obshch. red. I. I. Potapova. Moskva, Medgiz, 1963. 166 p. (DNLM)

TYPE AND TYPE FOUNDING

Type economy. V. F. Ermakov. Poligr. proizv. no. 11: 10-11 N '63.

TYPESETTING

Strive for high quality in typesetting and proofreading. O. V. Riss. Poligr. proizv. no. 10:8-9 O '63.

TYPHOID FEVER

Bactericidal properties of blood serum in typhoid fever [with summary in English]. V. M. Suponitskaia. Vrach. delo no. 11:90-93 N '63.

TYPHOID FEVER—PREVENTION

Prevention of typhoid fever. A. G. Gukasian. Zdorov'e 9 no. 10:19-20 O '63.

TYPHUS FEVER see subdivision under Ubsu Nur

TYRNYAUZ (KABARDINO-BALKAR A.S.S.R.)—ORE DRESSING

Using a polyacrylamide flocculant at the Tyrnyauz plant. M. F. Prikhnia, L. B. Tatueva. Tsvet. met. 36 no. 10, 31 O '63.

TYUMEN'—GIRLS

Answering the letter of an unknown girl of Tyumen'. L. Kulikova. Mol. komm. no. 9 94-99 S '63.

TYUMEN' PROVINCE—INDUSTRIAL MANAGEMENT

Consolidate party and state discipline. A. Protozanov. Part. zhizn' no. 1:8-11 Ja '64.

TYUMEN' PROVINCE—LOCAL GOVERNMENT

Consolidate party and state discipline. A. Protozanov. Part. zhizn' no. 1:8-14 Ja '64.

UBAGAN VALLEY—SOLONETZ SOILS

Solonetz complexes in the Ubagan-Ishim interfluve. V. N. Mikhailichenko. Trudy Inst. pochv. AN Kazakh. SSR 15:126-161 '63.

UBSU NUR—TYPHUS FEVER

Natural focus of tick-borne exanthematous fever in the Ubsu Nur trough in the Tuva A. S. S. R. S. P. Plontkovskaia, V. E. Flint, O. S. Kotshunova. Med. paraz. i paraz. bol. 32 no. 5:581-585 S-O '63.

UCAYALI RIVER, PERU

Fiedler, Arkady. [The river of singing fish. Translation from Polish] Ryby poiut v Ukaiali. Moskva, Geografgiz, 1963. 239 p., illus. (Rasskazy o prirode).

UCHA RESERVOIR—HYDROBIOLOGY

Review of the book "Ucha and Mozhaysk Reservoirs; hydrobiological and ichthyological studies." V. I. Zhadin. Zool. zhur. 42 no. 9:1425-1427 '63.

UDDER

Adaptive changes in the enzymes of the mammary gland in cows. V. V. Koval'skii, I. A. Shumkova. Dokl. AN SSSR 152 no. 5:1243-1246 O '63.

UDMURT A.S.S.R.—RUSSIAN LANGUAGE—STUDY AND TEACHING

It is good to know the Russian language. E. Nikiforova. Nar. obr. no. 9:14-16 S '63.

UFA RIVER—REGULATION

The Ufa River will flow toward Sverdlovsk. V. Sintsov. Rech. transp. 22 no. 10:59 O '63.

UGALALI RIVER, PERU

Fiedler, Arkady. [The river of singing fish. Translation from the Polish] Ryby poiut v Ukaiali. Moskva, Geografgiz, 1963. 239 p., illus. (Rasskazy o prirode).

UKHTA (KOMI A.S.S.R.)—PUNCHED CARD SYSTEMS

The punched-card accounting system at the Ukhta Combine. A. Rapoport, A. Konov, Bukhg. uchet 20 no. 11: 66-68 N '63.

UKRAINE—ADVERTISING, OUTDOOR

Gay street lights in the evening. H. Volians'kyi. Ukraina no. 11:24-26 Je '62.

UKRAINE—AGRICULTURAL ADMINISTRATION

Reorganizing agricultural organs in the Ukraine. E. Gachinskii. Ekon. sel'khoz. 32 no. 7:67-71 Jl '61.

UKRAINE—AGRICULTURAL MACHINERY INDUSTRY

Friendship among cities. Znan. sila 36 no. 10:6 O '61.

UKRAINE—AGRICULTURAL PRICES

Improve the planning of purchasing prices. I. Lukinov. Plan. khoz. 40 no. 11:53-58 N '63.

UKRAINE—AGRICULTURE—ACCOUNTING

Machine accounting in agriculture. I. A. Kaunov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:34-39 O '63.

UKRAINE—AGRICULTURE—PRODUCTION STANDARDS

A timely book on establishing work norms. V. Evtushenko and others. Ekon. sel'khoz. 34 no. 11:117-118 N '63.

UKRAINE—ARBITRATION AND AWARD

Decisions of arbitration agencies. Rad. pravo no. 6: 135-137 N-D '63.

UKRAINE—ART INDUSTRIES

For your apartment. E. Kolchkova. Ukraina no. 11:26 Je '62.

UKRAINE—AUXILIARY POLICE

The Soviet public in rural areas helps to maintain law and order. D. Stepanov, M. Madiar. Rad. pravo no. 6: 36-38 N-D '63.

UKRAINE—CIVIL LAW

New civil and civil procedure codes of the Ukrainian S. S. R. I. Belenchuk. Sots. zakon. 40 no. 11:20-24 N '63.

UKRAINE—CIVIL PROCEDURE

New civil and civil procedure codes of the Ukrainian S. S. R. I. Belenchuk. Sots. zakon. 40 no. 11:20-24 N '63.

UKRAINE—COKE INDUSTRY

Tasks for the improvement of the quality of blast-furnace coke, facing the coke and coal chemicals plants in the Ukraine. V. E. Didenko. Koks i khim. no. 11: 29-35 '63.

Tasks for the improvement of the quality of blast-furnace coke, facing the coke and coal chemicals plants in the Ukraine. V. G. Zashkvara, A. I. Voloshin, A. M. Miroshnichenko. Koks i khim. no. 11:35-41 '63.

UKRAINE—COLLECTIVE FARMS—INTERFARM COOPERATION

In interfarm building organizations of the Ukraine. Sil'. bud. 12 no. 1:10 Ja '62.

UKRAINE—COLLECTIVE FARMS—MANAGEMENT

Zymovets, V. N., and O. O. Storozhuk. [Production concentration on collective farms and its economic efficiency] Kontsentratsiia vyrobnytstva v kolhospakh i ii ekonomichna efektyvnist'. Kyiv, Derzhsil'hospvydav URSR, 1962. 82 p.

UKRAINE—COMMERCE

Do we need methodology for determining the efficiency of capital investments? V. Luk'ianchenko. Sov. torg. 37 no. 11:18-20 N '63.

UKRAINE—COMMUNIST PARTY OF THE SOVIET UNION

A few words about the interpretation of some problems in the history of Bol'shevik organizations in the Ukraine. A. Voskresenskii, I. Rybalka. Komm. Ukr. 38 no. 11: 77-83 '62.

UKRAINE—COMMUNIST YOUTH LEAGUE

Zonal Communist Youth League . . . . Komsom. zhizn'. no. 22 22-25 N '63.

UKRAINE—CONSTRUCTION INDUSTRY

In interfarm building organizations of the Ukraine. Sil'. bud. 12 no. 1:10 Ja '62.

UKRAINE—CORN (MAIZE)—DISEASES AND PESTS

Main pests and diseases of corn under irrigation. O. IE. Borysko. Nauk. pratsi Bryl. dosl. sta. po zrosh. no. 1. 81-88 '61.

UKRAINE—CORN (MAIZE)—IRRIGATION

Basic results of studying irrigation conditions for corn. M. Z. Rakhovych. Nauk. pratsi Bryl. dosl. sta. po zrosh. no. 1:26-45 '61.

Irrigated secondary (postharvest) corn plantations. V. P. Podlinialev. Nauk. pratsi Bryl. dosl. sta. po zrosh. no. 1. 46-59 '61.

Main pests and diseases of corn under irrigation. O. IE. Borysko. Nauk. pratsi Bryl. dosl. sta. po zrosh. no. 1: 81-88 '61.

UKRAINE—CORNCOBS AS FEED

Processing corncobs for livestock feeding. F. Poluianov. Tekh. v sel'khoz. 23 no. 9:37-40 S '63.

UKRAINE—CRIMINAL JUSTICE, ADMINISTRATION OF

In the offices of the public prosecutors of the Union Republics. Sots. zakon. 40 no. 11:79-80 N '63.

UKRAINE—CULTURE

Shevchuk, H. M. [Cultural development in the Ukraine, 1921-1925] Kul'turne budivnytstvo na Ukraini u 1921-1925 rokakh. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 432 p.

UKRAINE—EARTH—SURFACE

Crustal structure of the basic structural elements of the Ukraine. S. I. Subbotin, V. B. Sollogub, A. V. Chekunov. Dokl. AN SSSR 153 no. 2:440-443 N '63.

UKRAINE—ECONOMIC GEOGRAPHY

Kapchins'ka, IE. L. [Our flourishing republic; sketch on the natural features and natural resources of the Soviet Ukraine] Nasha kvitucha respublika, narys pro pryrodu i pryrodni bahatstva Radians'koi Ukrainy. Kyiv, Tovarystvo "Znannia" Ukrains'koi RSR, 1963. 44 p.

UKRAINE—ECONOMICS

A new book on the history of economic theories in the Ukraine. A. Bogachenko, V. Veselago, A. Shikhaleeva. Komm. Ukr. 38 no. 11:91-94 N '62.

UKRAINE—EDUCATION

Our schools and the formation of the new man. N. Motorniuk. Komm. Ukr. 38 no. 11:26-33 N '62.

Shevchuk, H. M. [Cultural development in the Ukraine, 1921-1925] Kul'turne budivnytstvo na Ukraini u 1921-1925 rokakh. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 432 p.

UKRAINE—EFFICIENCY, INDUSTRIAL

Kostin, L. I. [Struggle for time] Bytva za chas. Kyiv, Derzhpolitvydav URSR, 1963. 52 p.

UKRAINE—ETHNOLOGY

Present-day ethnic composition of the population of the Ukrainian S. S. R. (with summary in English). V. I. Naulko. Sov. etn. no. 5:46-59 S-O '63.

UKRAINE—FARM BUILDINGS

Let's raise rural construction to a higher industrial level! K. Radin. Sil'. bud. 12 no. 1:1-2 Ja '62.

UKRAINE—FARM MANAGEMENT—HANDBOOKS, MANUALS, ETC

[Manual on production planning and organization on collective and state farms] Dovidnykh po planuvaniiu i organizatsii vyrobnytstva v kolhospakh i radhospakh. Kyiv, Derzhsil'hospvydav URSR, 1963. 935 p. (DNAL)

UKRAINE—FOREIGN RELATIONS

"With a banner of peace through the flame of war; diplomatic activities of the Ukrainian S. S. R., 1917-1920" by I. S. Khmel'. Reviewed by A. A. Makarenko. Ist. SSSR 7 no. 6 166-168 N-D '63.

UKRAINE—GEOLOGICAL TIME

New data on the time of the formation of Pliocene sediments in the southern part of the Ukraine. V. M. Semenenko, V. H. Sheremeta. Geol. zhur. 23 no. 5:80-84 '63.

UKRAINE—GEOLOGY, STRATIGRAPHIC

Conference on Paleogene stratigraphy. Geol. zhur. 23 no. 5:108-110 '63.

Stratigraphy of Jurassic sediments in the eastern Ukraine. O. D. Bilyk and others. Geol. zhur. 23 no. 5: 102-103 '63.

UKRAINE—GEOLOGY, STRUCTURAL

Crustal structure of the basic structural elements of the Ukraine. S. I. Subbotin, V. B. Sollogub, A. V. Chekunov. Dokl. AN SSSR 153 no. 2:440-443 N '63.

UKRAINE—GRAVEL

Pebble-gravel detritus of the Balta series. A. P. Mel'nyk. Geol. zhur. 23 no. 5:42-50 '63.

UKRAINE—HALOPHYTES

Bilyk, H. I. [Vegetation of saline soils of the Ukraine, its development, use and improvement] Roslynnist' zasolenykh hruntiv Ukrainy, ii rozvytok, vykorystannia ta polipshennia. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 296 p.

UKRAINE—HOSPITAL CARE

Working capacity of patients under partial hospital treatment. L. V. Orel. Vrach. delo no. 11:114-116 N '63.

UKRAINE—HYPHOMYCETES

Rare and new dark-colored hyphomycetes in the soils of the Ukraine [with summary in English]. N. M. Zhdanova. Mikrobiol. zhur. 25 no. 5:13-19 '63.

UKRAINE—INCOME

Akademiia nauk URSR, Kiev. Instytut ekonomiky. [National income of the Ukrainian S. S. R. during the period of the large-scale building of communism] Natsional'nyi dokhod Ukrains'koi RSR v period rozhornutoho budivnytstva komunizmu. Red. kolegiia: O. O. Nesterenko ta inshi. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 333 p.

UKRAINE—IRON INDUSTRY—FINANCE

Reasons for the reduced efficiency of capital investments in the mining industry of the Ukrainian S. S. R. M. Kandyba, V. Panasenko. Plan. khoz. 40 no. 12:58-62 D '63.

UKRAINE—IRRIGATION FARMING

Advantages of saturation irrigation for vegetables in the southern Ukraine. S. Lysogorov, F. Kiver, A. Lymar'. Ekon. sel'khoz. 34 no. 11:86-88 N '03.

Effect of irrigation, fertilization, and grassland farming on soil fertility. O. T. Pysanets'. Nauk. pratsi Bryl. dosl. sta. po zrosh. no. 1:66-71 '61.

UKRAINE—JUSTICE, ADMINISTRATION OF

Brief news. Rad. pravo no. 6:148 N-D '63.

UKRAINE—LABOR AND LABORING CLASSES

"Situation and struggle of Ukrainian workers, from 1860 to 1900" by O. A. Parasmi'ko. Reviewed by N. P. Krasavchenko. Vop. ist. 38 no. 11:117-119 N '63.

UKRAINE—LACTIC ACID BACTERIA

Characteristics of homofermentative coccal lactic acid bacteria isolated from the epiphytic microflora of some plants of the Ukraine [with summary in English]. O. O. Nesterenko. Mikrobiol. zhur. 25 no. 5:29-35 '63.

UKRAINE—LAW

Recent legislative enactments. Rad. pravo no. 6:138-141 N-D '63.

UKRAINE—LAW—BIBLIOGRAPHY

Bibliography. Rad. pravo no. 6:149-150 N-D '63.

UKRAINE—LAW—CASES

Decisions of the Supreme Court of the Ukrainian S. S. R. Rad. pravo no. 6:128-134 N-D '63.

UKRAINE—MILKING MACHINES

"Carrousel" milking parlor on a collective farm. V. Kravchenko, A. Savinova. Sil'. bud. 12 no. 1:4-5 Ja '62.

UKRAINE—MOTION PICTURES

Initial steps of Soviet motion pictures in the Ukraine. G. Zhurov. *Vop. kinoisk.* no. 7:187-209 '63.

UKRAINE—OFFENSES AGAINST SOCIALIST PROPERTY

In the offices of the public prosecutors of the Union Republics. Sots. zakon. 40 no. 11:79-80 N '63.

UKRAINE—PAINT INDUSTRY

Address of rainbows. M. Martianenko. Znan. ta pratsia no. 10:4-6 O '63.

UKRAINE—PALEOGRAPHY

Paleogeography of the Sivash Valley, northwestern region of the Sea of Azov and adjacent areas in the Lower Cretaceous epoch. O. T. Bohaiets', N. IU. Cherniak. Geol. zhur. 23 no. 5:85-91 '63.

UKRAINE—PASTURES AND MEADOWS

Bilyk, H. I. [Vegetation of saline soils of the Ukraine, its development, use and improvement] Roslynnist' zasolenykh hruntiv Ukrainy, ii rozvytok, vykorystannia ta polipshennia. Kyiv, Vyd-vo Akad. nauk URSR, 1963. 296 p.

UKRAINE—PEBBLES

Pebble-gravel detritus of the Balta series. A. P. Mel'nyk. Geol. zhur. 23 no. 5:42-50 '63.

UKRAINE—PLATE GLASS

Calculating the cost of plate glass. L. Ligacheva. Bukhg. uchet 20 no. 11:44-46 N '63.

UKRAINE—POLITICS AND GOVERNMENT

Bachyns'kyi, P. P. [For the united family of Soviet nations] Za iedynu sim'iu radians'kykh narodiv. Kyiv, 1963. 43 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR, Seriia 1, no. 13)

Let us promote and develop public participation in the work of governmental agencies and industrial enterprises. Komm. Ukr. 38 no. 11:3-9 N '62.

UKRAINE—POTATOES—IRRIGATION

Some results of research on potato growing at the Brilevka Irrigation Experiment Station. B. O. Benlukh. Nauk. pratsi Bryl. dosl. sta. po zrosh. no. 1:60-64 '61.

UKRAINE—PSEUDOMONAS

Bacterial wilt of soybean in the Ukraine [with summary in English]. V. A. Muras. Mikrobiol. zhur. 25 no. 5: 42-49 '63.

UKRAINE—PUBLIC HEALTH—CONGRESSES

Conference of inventors and efficiency promoters of the Ministry of Public Health of the Ukrainian S. S. R. A. Dubovskii. Zdrav. Bel. 9 no. 3:92-93 Mr '63

UKRAINE—PUBLIC PROSECUTORS

Discussing the problems of general supervision. P. Petrenko. Sots. zakon. 40 no. 9:64-65 S '63.

We should improve the work of public prosecution agencies in districts and provinces. O. Liakhovich. Sots. zakon. 40 no. 10:15-19 O '63.

UKRAINE—PUBLISHERS AND PUBLISHING

Production plans of Ukrainian publishing houses for 1964. Rad. lit. 7 no. 6:150-152 N-D '63.

UKRAINE—RADIOBROADCASTING

The voice of our friend. P. Pozniak. Ukraina no. 9:9-10 My '62.

UKRAINE—RELATIONS (GENERAL) WITH POLAND

"Friendly cooperation of the Ukrainian S. S. R. with the Polish People's Republic, 1944-1960" by I. F. Evseev. Reviewed by B. S. Popkov. Vop. ist. 38 no. 11:124-125 N '63.

UKRAINE—RELATIONS (GENERAL) WITH TAJIKISTAN

From the Pamirs to the Carpathians. Ukraina no. 12: 3 Je '62.

UKRAINE—RESEARCH

Solovei, Dmytro. [Ukrainian science in colonialist fetters] Ukrains'ka nauka v kolonial'nykh putakh. [New York] Vyd-vo Prolog, 1963. 276 p. (Suspil'no-politychna biblioteka)

UKRAINE—RESEARCH, INDUSTRIAL

Alliance of science and practice. V. Zadorozhnyi. Obshchestv. pit. no. 9:24-26 S '63.

In the laboratories of Ukrainian scientists. Nauka i zhyttia 13 no. 10:8 N '63.

UKRAINE—RESTAURANT MANAGEMENT

Semiprocessed products, mechanization and labor productivity. V. IUdaeva. Obshchestv. pit. no. 9:20-21 S '63.

UKRAINE—RESTAURANTS, LUNCHROOMS, ETC.

Noticeable changes. A. Romanov. Obshchestv. pit. no. 9:6-9 S '63.

Plans, practice, problems. V. Burlakov, A. Kocherga. Obshchestv. pit. no. 9:10-13 S '63.

Servicing the rural workers; experience and tasks. V. Makhniuk. Obshchestv. pit. no. 9:17-19 S '63.

UKRAINE—REVOLUTION, 1917-1921

Bachyns'kyi, P. P. [For the united family of Soviet nations] Za iedynu sim'iu radians'kykh narodiv. Kyiv, 1962. 43 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR, Seriia 1, no. 13)

How the organs of the Ukrainian Cheka struggled for a strict observance of socialist laws. V. Holichenko. Rad. pravo no. 6:13-20 N-D '63.

UKRAINE—SANITATION

Development of sanitary organization in the Ukraine during the first years of Soviet authority. A. A. Grando. Sov. zdrav. 22 no. 7:42-46 '63.

UKRAINE—SECRET POLICE

How the organs of the Ukrainian Cheka struggled for a strict observance of socialist laws. V. Holichenko. Rad. pravo no. 6:13-20 N-D '63.

UKRAINE—SOCIAL SCIENCES—STUDY AND TEACHING

Results of the first year of teaching social sciences in the schools of the Ukrainian S. S. R. P. L. Ukhovskaia. Prep. ist. v shkole 16 no. 6:3-12 N-D '63.

UKRAINE—SOIL FERTILITY

Main work results of the Brilevka Experiment Station in studying the effect of soil leveling methods on the fertility of Chestnut soils. V. P. Skrypnykov. Nauk. pratsi Bryl. dosl. sta. po zrosh. no. 1:72-80 '61.

UKRAINE—SOIL MOISTURE

[Manual on the supply of moisture available to basic farm crops in the Ukraine] Spravochnik po zapasam produktivnoi vlagi pod osnovnymi sel'skokhoziaistvennymi kul'turami na Ukraine. Kiev, Gossel'khozizdat USSR, 1963. 547 p.

UKRAINE—SOYBEAN—DISEASES AND PESTS

Bacterial wilt of soybean in the Ukraine [with summary in English]. V. A. Muras. Mikrobiol. zhur. 25 no. 5: 42-49 '63.

UKRAINE—STATE FARMS

Pakhomov, IU. N. [Problems in the improvement of state-farm production] Nekotorye voprosy sovershenstvovaniia sovkhoznogo proizvodstva. [Kiev] Izd-vo Kievskogo univ., 1963. 98 p.
(MH)

UKRAINE—SUGAR BEETS

Increase the production and reduce costs of sugar beets in the Ukraine. N. Bubnovskii. Ekon. sel'khoz. 32 no. 7:17-24 Jl '61.

UKRAINE—SUGAR BEETS—IRRIGATION

Results of studying the problem of growing sugar beets under irrigation. M. Z. Rakhovych. Nauk. pratsi Bryl. dosl. sta. po zrosh. no. 1:5-25 '61.

UKRAINE—THEATER

Vasyl'ko, V. S. [Mykola Sadovs'kyi and his theater] Mykola Sadovs'kyi ta joho teatr. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1962. 194 p.

UKRAINE—UNIVERSITIES AND COLLEGES

Scholarly investigation of important problems in the development of the institutions of higher education. I. Dziubko. Komm. Ukr. 38 no. 11:88-91 N '62.

Solovei, Dmytro. [Ukrainian science in colonialist fetters] Ukrains'ka nauka v kolonial'nykh putakh. [New York] Vyd-vo Prolog, 1963. 276 p. (Suspil'no-politychna biblioteka)

UKRAINE—VEGETABLE GARDENING

Advantages of saturation irrigation for vegetables in the southern Ukraine. S. Lysogorov, F. Kiver, A. Lymar'. Ekon. sel'khoz. 34 no. 11:86-88 N '63.

UKRAINE—WAGES—MINERAL INDUSTRIES

Improve the organization of work and wages. I. Diadyk. *Sots. trud 8 no. 10:35-39 O '63.*

UKRAINE—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

...Where they fought side by side. L. Lerov. Ogonek 41 no. 44:8-10 O '63.

UKRAINIAN ART see Art, Ukrainian

UKRAINIAN AUTHORS see Authors, Ukrainian

UKRAINIAN FOLK SONGS see Folk songs, Ukrainian

UKRAINIAN LANGUAGE—GLOSSARIES, VOCABULARIES, ETC.

Pamva Berynda's dictionary. H. I. Kolfada. Rad. lit. 7 no. 6:135-136 N-D '63.

UKRAINIAN LANGUAGE—GRAMMAR

Do we need Latin terms in grammar? D. M. Porkhun. Ukr. mova i lit. v shkoli 13 no. 5:70-71 Jl '63.

UKRAINIAN LANGUAGE—ORTHOGRAPHY

Editor's mail. Ukr. mova i lit. v shkoli 13 no. 5:72-74 Jl '63.

Let's reduce the number of rules and notes. IE. U. Koval'. Ukr. mova i lit. v shkoli 13 no. 5,69-70 Jl '63.

My suggestions. L. I. Hulak. Ukr. mova i lit. v shkoli 13 no. 5 71 Jl '63.

Simplified orthography will lead to better literacy. P. S. Strilt'siv. Ukr. mova i lit. v shkoli 13 no. 5:66-69 Jl '63.

UKRAINIAN LANGUAGE—PRONUNCIATION

Correct pronunciation is a sign of culture. O. M. Parkhomenko, M. U. Karans'ka. Ukr. mova i lit. v shkoli 13 no. 5:75-77 Jl '63.

UKRAINIAN LANGUAGE—STUDY AND TEACHING (see also subdivision under Chernigov; Zhitomir Province)

Essays on the history of the development of the methods of teaching the Ukrainian and Russian languages in general elementary and secondary schools" by V. I. Masal's'kyi. Reviewed by M. M. Myronov, M. I. Doroshenko. Ukr. mova i lit. v shkoli 13 no. 5 86-89 Jl '63.

Extracurricular development of students' speech. M. T. Dolenko. Ukr. mova i lit. v shkoli 13 no. 5:56-60 Jl '63.

Extracurricular work should be entertaining. A. B. Reznyk. Ukr. mova i lit. v shkoli 13 no. 5:92-93 Jl '63.

Ways to raise the speech culture of grade 1-4 students. *H. I. Batiuk. Ukr. mova i lit. v shkoli 13 no. 5 50-55* Jl '63.

UKRAINIAN LANGUAGE—WORDS

Window into the past. M. Tkachenko. Znan. ta pratsia no. 10:14 O '63.

UKRAINIAN LITERATURE

Ohloblyn-Hlobenko, Mykola. [Literary heritage] Z literaturoznavchoi spadshchyny. Paris, Natsionalistychne vyd-vo v Evropi, 1961. 246 p. [With summary in French]
(CoU)

UKRAINIAN LITERATURE—HISTORY AND CRITICISM

"Molodniak," a literary organization in Kiev. K. O. Khrypko. Rad. lit. 7 no. 6:33-41 N-D '63.

Sanov, L. S. [Where to look for the beautiful; literary criticism] De shchukaty prekrasne, lyteraturno-krytychny statti. Kyiv, Radians'kyi pys'mennyk, 1962. 312 p.
(NN)

UKRAINIAN LITERATURE—STUDY AND TEACHING

The methodist as the teacher's adviser. V. P. Halkin. Ukr. mova i lit. v shkoli 13 no. 5 26-31 Jl '63.

Studying the literary geography of the Donets Basin. P. T. Havrylov. Ukr. mova i lit. shkoli 13 no. 5:18-25 Jl '63.

UKRAINIAN POETRY—TRANSLATIONS INTO FOREIGN LANGUAGES

Shevchenko, T. H. [Complete collected works] Povne vydannia tvoriv. Za red. Bohdana Kravtseva. Chicago, Vyd-vo Mykoly Denysiuka.

Vol. 4. [Verse, 1847-1861. With supplementary verse and poems, and other publications, 1845-1860] Poezii 1857-1861 rr. Z dodatkom poezii i poem ta inshykh redaktsii 1845-1860 rr. 1962. 399 p.

Vol. 11. [Shevchenko as painter, engraver, and *sculptor*] *Shevchenko - maliar, graver i skul'ptor.* Pratsi Dmytra Antonovycha i Pavla Zaitsova z peredmovoiu Bohdana Kravtseva. 1963. 352 p. 62 plates.

Vol. 12. [Shevchenko's poetry translated into foreign languages] Poezila Shevchenka chuzhymy movamy. Za red. i z statt'iamy Bohdana Kravtseva. 1963. 455 p.

Vol. 13. [Shevchenko and his works] Shevchenko i joho tvorchist'; zbirnyk prats' i statteI. Za red. Bohdanan Kravtseva. 1963. 303 p.

UKRAINIAN SCULPTURE see Sculpture, Ukrainian

UKRAINKA, LESIA, 1871-1913

In memory of Lesia Ukrainka. T. P. Zamorii. Rad. lit. 7 no. 6:147-148 N-D '63.

In the homeland of Lesia Ukrainka. IE. A. Pasichnyk, L. S. Polushkina. Ukr. mova i lit v shkoli 13 no. 5: 94-95 Jl '63.

Lesia Ukrainka. N. Kalenichenko. Ner. obr. no. 9:91-93 S '63.

"Playwriting of Lesia Ukrainka" by Oleg Babyshkin. Reviewed by M. I. Syrotiuk. Ukr. mova i lit. v shkoli 13 no. 5:78-80 Jl '63.

Zhuravs'ka, L. E. [Lesia Ukrainka and foreign literatures] Lesia Ukrainka ta zarubizhni literatury. Kyiv, Vyd-vo Akad. nauk Ukrains'koi RSR, 1963. 229 p.

ULAN BATOR—TEXTILE INDUSTRY

At the new worsted factory. D. Batsukh. Sovr. Mong. 4 no. 10:44-45 '59.

ULANKOM—INSCRIPTIONS, TURKISH (OLD)

In reference to the interpretation of the Ulankom inscription. S. Kliashtornyi. Sov. arkheol. 7 no. 4:292-293 '63.

UL'IANOV, ALEKSANDR IL'ICH, 1866-1887

A book about Lenin's older brother. I. Brainin. Nov. mir 38 no. 6:265-267 Je '62.

UL'IANOV, IL'IA NIKOLAEVICH, 1831-1886

Pedagogical legacy of I. N. Ul'ianov. Sov. pedag. 27 no. 11:153-155 N '63.

UL'IANOV FAMILY

Restoration of the house of the Ul'ianov family in Simbirsk. G. A. Sazontov. Ist. arkh. 8 no. 3:209-212 My-Je '62.

ULTRASONIC COAGULATION

Mednikov, E. P. [Acoustical coagulation and precipitation of aerosols] Akusticheskaia koagulitatsiia i osazhdenie aerozolei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 262 p.

ULTRASONIC METAL-CUTTING

New trends in ultrasonic machining. Mashinostroitel' no. 10:45-46 O '63.

ULTRASONIC TESTING

Determination of the dimensions of defects by ultrasonic testing without standard samples. V. S. Grebennik, I. L. Grebennik, I. N. Ermolov. Zav. lab. 29 no. 10:1181-1186 '63.

Kuz'menko, V. A. [Sound and ultrasound vibrations in the dynamic testing of materials] Zvukovye i ul'trazvukovye kolebaniia pri dinamicheskikh ispytaniiakh materialov. Kiev, Izd-vo Akad. nauk Ukrainskoi SSR, 1963. 150 p.

Methods of evaluating the structure of carborundum heaters. V. L. Balkevich, G. A. Serova. Trudy MKHTI no. 37:180-184 '62.

New books on defectoscopy. Zav. lab. 29 no. 10:1260 '63.

Pulse apparatus for measuring the absorption and velocity of ultrasound in polymers. V. D. Gerasimov, G. A. Kuznetsov. Plast. massy no. 11:54-56 '63.

Ultrasonic detection of fatigue cracks during repeated static tests. IA. A. Rublev, IU. S. Danilov. Zav. lab. 29 no. 10:1188-1191 '63.

Ultrasonic meter of alkali concentration. V. A. Nosov and others. Avtom. i prib. no. 4:64-68 O-D '63.

Ultrasonic meter of sand concentration in pipes of dredges. V. A. Nosov, G. D. Mamuta, O. V. Tarasenko. Avtom. i prib. no. 4:62-64 O-D '63.

Ultrasonic method for controlling weld seams in thin-walled tubes. IA. F. Anikeev. Zav. lab. 29 no. 10:1191-1193 '63.

Ultrasonic thickness gauge for controlling corroded surfaces. V. V. Bogorodskii, D. D. Dobrotin, G. P. Khokhlov. Zav. lab. 29 no. 10 1254-1258 '63.

ULTRASONIC WAVES

Modeling the sense of touch by means of ultrasonic surface waves. L. L. Miasnikov. Trudy LKI. no. 36:103-105 '62.

ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS

Solution of sodium silicate with a modulus M-2, 85 in water under the action of an ultrasound field. A. P. Grishin, S. V. Goncharov, F. G. Mamulov. Khim. i tekh. topl. i masel 8 no. 11:21-22 N '63.

Theory of ultrasonic flowmeters. G. A. Balakishiev, V. A. Kolchin. Za tekh. prog. 3 no. 7:8-9, 19 Jl '63.

Using ultrasonic techniques for the intensification of grain washing. N. B. Georgi. Trudy Od. tekh. inst. 14:75-79 '62.

ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT

Effect of desiccation and ultrasound on the viability of trichinella [with summary in English]. L. IA. Zimorol. Med. paraz. i paraz. bol. 32 no. 5:603-606 S-O '63.

ULTRAVIOLET RAYS

Measurement of the acoustooptical effect during the irradiation of certain gases and vapors by ultraviolet rays. IA. I. Gerlovin. Opt. i spektr. 15 no. 5:713-715 N '63.

ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT

Effect of ultraviolet rays on the pigmentless variant, producer of coelicomycin. M. Kh. Shigaeva. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:99-105 '63.

Variability of Actinomyces coelicolor, producer of coelicomycin, induced by ultraviolet rays. M. Kh. Shigaeva, V. D. Sivortseva. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:90-94 '63.

UL'YANOVSK PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

The party committee and junior agricultural personnel. I. Maslov. Part. zhizn' no. 1:31-35 Ja '64.

UMBILICUS

Anomalies of the umbilical arteries. G. S. Kir'iakulov. Akush. i gin. 39 no. 4:132-133 Jl-Ag '63.

UMBILICUS—HERNIA

Hernias of the umbilical cord. V. F. Matokhin. Akush. i gin. 39 no. 4:133-134 Jl-Ag '63.

UNDERDEVELOPED AREAS—FOREIGN ECONOMIC RELATIONS—GERMANY, WEST

Bonn's colonial aspirations. D. Beneslavskii. Mezhdunar. zhizn' 10 no. 11:133-134 N '63.

What is the neocolonialism of the Bonn monopolists. N. Arkad'ev. Polit. samoobr. 7 no. 8 61-64 Ag '63.

UNDERDEVELOPED AREAS—POLITICS

Close cooperation between the forces of world socialism and the national liberation movement. K. Brutents. Nov. vrem. 21 no. 46 4-6 N '63.

N. S. Khrushchev's answers to questions asked by the editors of the newspapers "The Ghanaian Times," "Alger Republican," "Le Peuple," and "Botataung." Nov. vrem. 21 no. 52:37-46 D '63.

The national liberation movement is an integral part of the world revolutionary process. E. Alekseev. Az. i Afr. seg. no. 12:2-4 D '63.

Present-day stage of the national liberation movement. G. Starushenko. Polit. samoobr. 7 no. 8:33-42 Ag '63.

UNDERDEVELOPED AREAS—RELATIONS (GENERAL) WITH RUSSIA

Samylovskii, I. V. [Scientific and cultural relations of the Soviet Union with the countries of Asia and Africa] Nauchnye i kulturnye sviazi SSSR so stranami Azii i Afriki. Moskva, Izd-vo vostochnoi lit-ry, 1963. 67 p.

UNDERGROUND LITERATURE see subdivision under Kazakhstan

UNDERGROUND WATER see Water, Underground

UNDERWEAR—STANDARDS

Regulations for sewing knit underwear. R. S. Kozlova. Standartizatsiia 27 no. 11:39-40 N '63.

UNDULANT FEVER see Brucellosis

UNION OF SOVIET SOCIALIST REPUBLICS see Russia

UNITED NATIONS

Human rights. N. Fedorenko. Nov. vrem. 21 no. 51: 3 D '63.

Tribune, forum, and arena of struggle. M. L'vov. Mezhdunar. zhizn' 10 no. 11:13-21 N '63.

UNITED NATIONS—MEMBERSHIP

Consultation. Mezhdunar. zhizn' 10 no. 11:141-142 N '63.

UNITED STATES—ATOMIC SUBMARINES

Formation and development of the atomic submarine fleet of the U. S. A. A. Kvitnitskii. Voen.-ist. zhur. 5 no. 11:44-57 N '63.

UNITED STATES—ATOMIC WEAPONS

New negotiations on nuclear weapons. N. Khomutov. Mezhdunar. zhizn' 10 no. 11:108 N '63.

UNITED STATES—BALANCE OF PAYMENTS

The dollar crisis. I. Mosin. Mezhdunar. zhizn' 10 no. 11:138-139 N '63.

What's happening to the dollar? F. Byatrov. Nov. vrem. 21 no. 51:10-13 D '63.

UNITED STATES—BIBLIOGRAPHY—PATHOLOGY

"A. M. A. Archives of Pathology"; Vol. 72, no. 2, 1961 [in English]. Reviewed by I. N. Mironchik. Arkh. pat. 25 no. 6:74-76 '63.

"A. M. A. Archives of Pathology"; Vol. 72, nos. 3 and 4, 1961 [in English]. Reviewed by I. N. Mironchik. Arkh. pat. 25 no. 7:91-95 '63.

UNITED STATES—BREWERIES—EXHIBITIONS

Impressions from the Universal Brewery Exhibition held in Chicago in October 1962. I. P. Bobrik. Spirt. prom. 29 no. 7:42 '63.

UNITED STATES—CHEMICAL INDUSTRIES

Basic principles of the organization and management of chemical enterprises in the U. S. A. I. K. Bykov. Khim. prom. no. 8:629-634 Ag '63.

Chemistry under the rule of capital. I. Dmitriev. Part. zhizn' Kazakh. 33 no. 11:56-59 N '63.

UNITED STATES—COMMERCE—EUROPE, WESTERN

The Common Market balance sheet (to be continued). N. Osipenko. Nov. vrem. 21 no. 47:4-6 N '63.

UNITED STATES—COMMUNIST PARTY

Anticommunist conception of an American socialist. N. V. Sivachev. Vop. ist. 38 no. 11:187-188 N '63.

UNITED STATES—CORRUPTION (IN POLITICS)

Bourgeois Themis doesn't punish such people. V. IUrenko. Rad. pravo no. 6:119-121 N-D '63.

UNITED STATES—CRIME AND CRIMINALS

Skilled theoreticians of the "activity of rats." A. Kuz'min. Sots. zakon. 40 no. 11 69-71 N '63.

UNITED STATES—DESTROYERS (WARSHIPS)

Destroyers of the U. S. A. in the Second World War. L. Eremeev. Voen.-ist. zhur. 5 no. 10:95-100 O '63.

UNITED STATES—DISARMAMENT—ECONOMIC ASPECTS

"Invention industry" serves war business. V. Onushkin. Mezhdunar. zhizn' 10 no. 11:87-95 N '63.

UNITED STATES—ECONOMIC CONDITIONS

Academic conference on methodological problems in comparing the basic indices of the U. S. A. and the U. S. S. R. Vop. ekon. no. 10:123-138 O '63.

Khonel, F. B. [I left America] IA ukhal iz Ameriki. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1962. 179 p.

UNITED STATES—EDUCATION

Reactionary nature of pragmatic pedagogics. Z. A. Mal'kova. Sov. pedag. 27 no. 10:94-106 O '63.

UNITED STATES—EDUCATIONAL PSYCHOLOGY

Urgent problems of educational psychology. D. N. Bogoiavlenskii. Sov. pedag. 27 no. 10 137-140 O '63.

UNITED STATES—ELECTRONIC COMPUTERS

Manufacture of electronic computers in the United States. Avtom. i prib. no. 4:91-92 O-D '63.

UNITED STATES—FOLK DANCING, UKRAINIAN

Well done, Ukrainian dancers! Fedir Koshovyi. Ukraina no. 17:6-7 S '62.

UNITED STATES—FOREIGN ECONOMIC RELATIONS—MEXICO

"Alliance against progress" and Mexico. IU. M. Lilin. Vop. ist. 38 no. 11:181-182 N '63.

UNITED STATES—FOREIGN RELATIONS

Confused premises and forced conclusions. G. Gerasimov. Mezhdunar. zhizn' 10 no. 11:121-124 N '63.

Ideological basis of the U. S. A. foreign policy. H. Aptheker. Mezhdunar. zhizn' 10 no. 11:76-79 N '63.

Samuel the gendarme; a pamphlet. V. Goland. Zvezda no. 5:154-161 My '62.

What the owls are screeching about.... A. Leont'ev. Sov. voin. 45 no. 22:44-45 N '63.

UNITED STATES—FOREIGN RELATIONS—CUBA

American imperialism and the Cuban revolution. N. Aleksandrova. Mezhdunar. zhizn' 10 no. 11:119-121 N '63.

UNITED STATES—FOREIGN RELATIONS—DOMINICAN REPUBLIC

The smashed "show case." N. Egorova. Mezhdunar. zhizn' 10 no. 11:115 N '63.

UNITED STATES—FOREIGN RELATIONS—INDONESIA

Shin, A. S. [American imperialism and Indonesia (1945-1962)] Amerikanskii imperializm i Indoneziia, 1945-1962. Moskva, Izd-vo vostochnoi lit-ry, 1963. 129 p.

UNITED STATES—FOREIGN RELATIONS—LATIN AMERICA

Invasion of colonialist "ideas" in Latin America. E. IUr'ev. Mezhdunar. zhizn' 10 no. 11:80-86 N '63.

Political climate south of the Rio Grande. IU. Bachkarev. Nov. vrem. 21 no. 52:13-16 D '63.

Seething continent. Sovremennik. Nov. vrem. 21 no. 47, 1-3 N '63.

UNITED STATES—FOREIGN RELATIONS—RUSSIA

Lopatin, V. F. [Failure of the anti Soviet plans of the U. S. A., Genoa-The Hague, 1922] Proval antisovetskikh planov SShA, Genuia-Gaaga 1922. Moskva, Sotsekgiz, 1963. 235 p.

Our commentaries. Nov. vrem. 21 no. 46:1-3 N '63.

Our Soviet neighbor. Holland Roberts. Nov. vrem. 21 no. 46:13 N '63.

UNITED STATES—FRAUD

Manners of the "free world: Dealers in air. Nov. vrem. 21 no. 52:31 D '63.

UNITED STATES—HISTORY

The olive branch and the arrows. O. Gorchakov. Vokrug sveta no. 11:24-26 N '63.

UNITED STATES—INCOME

Method for computing the national income of the U. S. A. G. Grantyn'. Nauch. dokl. vys. shkoly: ekon. nauki 6 no. 6:62-73 '63.

UNITED STATES—INDUSTRIAL MANAGEMENT

Zeigarnik, M. L. [Organization of auxiliary work in U.S. industry] Organizatsiia vspomogatel'nykh rabot v promyshlennosti SShA. Pod red. M. G. Moshentsa. Moskva, Ekonomizdat, 1963. 60 p.

UNITED STATES—MACHINE-TOOL INDUSTRY

Economic competition between the U. S. S. R. and the U. S. A. in the field of machine-tool manufacturing. M. Perel'man. Plan. khoz. 40 no. 12:67-73 D '63.

UNITED STATES—MEDICAL CARE, COST OF

It's cheaper to die (to be continued). William Michelfelder. Zhurnal 33 no. 7:189-190 Jl '63.

UNITED STATES—MEDICAL ELECTRONICS

Foreign military news. Voen. vest. 43 no. 10:124 O '63.

UNITED STATES—MILITARISM

Soviets' agents of aggressors and militarists. M. Petrov. Sov. voin 44 no. 2:44-45 Ja '62.

Zhukov, Iu. M. [Science and militarism in the U. S. A.; scientific and technological revolution in military art and the origination of conditions for the crisis of militarism] Nauka i militarizm v SShA; nauchno-tekhnicheskii perevorot v voennom dele i vozniknovenie predposylok krizisa militarizma. Moskva, Izd-vo Akad. nauk SSSR, 1963. 590 p.

UNITED STATES—MILITARY ART AND SCIENCE

Zhukov, Iu. M. [Science and militarism in the U. S. A.; scientific and technological revolution in military art and the origination of conditions for the crisis of militarism] Nauka i militarizm v SShA; nauchno-tekhnicheskii perevorot v voennom dele i vozniknovenie predposylok krizisa militarizma. Moskva, Izd-vo Akad. nauk SSSR, 1963. 590 p.

UNITED STATES—MILITARY POLICY

The Pentagon is a weapon of imperialistic aggression. A. Tochkin, V. Kazantsev. Komm. Vooruzh. Sil 4 no. 23:89-92 D '63.

UNITED STATES—MILITARY RESEARCH

Invention industry" serves war business. V. Onushkin. Mezhdunar. zhizn' 10 no. 11:87-95 N '63.

UNITED STATES—NATIVISM

Brass-knuckle crusade. The great Know-Nothing conspiracy, 1820-1860" [in English] by Carleton Beals. Reviewed by Sh. Bogina. Sov. etn. no. 5:180-182 S-O '63.

UNITED STATES—NURSES AND NURSING

Nurses' problems in the U. S. A. and England. A. M. Fain. Med. sestra 22 no. 11:59-60 N '63.

UNITED STATES—OILS AND FATS, EDIBLE

Workers of the "free world: Dealers in air. Nov. vrem. 11 no. 52:31 D '63.

UNITED STATES—OLEOMARGARINE

Manufacture of a new type of margarine. V. A. Maziukevich. Masl.-zhir. prom. 28 no. 10 43 O '62.

UNITED STATES—ORTHODOX EASTERN CHURCH

Ioann, Mp. of San Francisco. [Orthodoxy in America; an ecclesiological essay] Pravoslavie v Amerike, ekklesiologicheskii ocherk. New York, 1963. 23 p.

UNITED STATES—PATENT LAWS AND LEGISLATION

Patent rights of U.S. government employees to their inventions. M. L. Antonovskii. Izv. vys. uchob. zav.; prav. 7 no. 3:143-140 '63.

UNITED STATES—PLASTICS INDUSTRY

Development of the production of plastics in the U. S. A. Iu. IA. Turov. Plast. massy no. 11:67-71 '63.

UNITED STATES—POLITICS AND GOVERNMENT

Anticommunist conception of an American socialist. N. V. Sivachev. Vop. ist. 38 no. 11:187-188 N '63.

Brass-knuckle crusade. The great Know-Nothing conspiracy, 1820-1860" [in English] by Carleton Beals. Reviewed by Sh. Bogina. Sov. etn. no. 5:180-182 S-O '63.

Confused premises and forced conclusions. G. Gerasimov. Mezhdunar. zhizn' 10 no. 11:121-124 N '63.

For your notebook: In the service of monopolies. Agitator no. 23:60-62 N '63.

UNITED STATES—POVERTY

Background of the American way of life; from the pages of the foreign press. B. Leont'ev. Nov. vrem. 21 no. 50:16-17 D '63.

UNITED STATES—PRESS

What kind of a commentary do we have here! I. Davydov. Sov. pech. no. 11:58-60 N '63.

What worries the advocates of imperialism. M. Afonin. Sov. pech. no. 11:60-61 N '63.

UNITED STATES—RACE QUESTION

Intensification of the democratic movement of the American Negroes. N. Panina. Rad. pravo no. 6 125-127 N-D '63.

Offensive against racialism. IU. Bochkarev. Nov. vrem. 21 no. 50:4-6 D '63.

Promising words, but where are the deeds?... I. Mikuson. Mezhdunar. zhizn' 10 no. 11:112-113 N '63.

UNITED STATES—RAILROADS—RAILS

Transportation of rail lengths in four layers. Put' i put. khoz. 7 no. 11:46-47 '63.

UNITED STATES—RELATIONS (GENERAL) WITH RUSSIA

Americans and the Soviet Union. L. Bezymenskii. Nov. vrem. 21 no. 52:5-8 D '63.

UNITED STATES—ROCKETS (AERONAUTICS)

Welding of body stages of the Atlas rocket. Mashinostroenie no. 6:114-116 N-D '63.

UNITED STATES—ROCKETS (ORDNANCE)

News of military technology. Sov. voin 45 no. 19 19 O '63.

UNITED STATES—RUSSIAN POETRY—HISTORY AND CRITICISM

Eruditions from "Books abroad," L. Il'inskii. Vop. lit. 7 no. 10:132-134 O '63.

UNITED STATES—RUSSIAN STUDIES

An American historian describes the heroic defense of Leningrad. V. M. Koval'chuk, G. L. Sobolev. Vop. ist. 38 no. 12:156-159 D '63.

"Mister Kohn and his studies of the 'Russian soul'" by IU. Kariakin, E. Plimak. Reviewed by IU. L. Kuznets. Vop. ist. 38 no. 11:127-128 N '63.

UNITED STATES—SHIPBUILDING

American-built ship. Sudostroenie 29 no. 11:73-74 N '63.

UNITED STATES—SOCIAL CONDITIONS

Zubin, L. A. [According to the law of the jungle] Po zakonam dzhunglei. Moskva, Gospolitizdat, 1962. 125 p.

UNITED STATES—SOCIAL PROBLEMS

Under a gigantic press. IU. Zamoshkin. Mezhdunar. zhizn' 10 no. 11:30-38 N '63.

UNITED STATES—STOCK AND STOCKBREEDING—LABOR PRODUCTIVITY

Labor productivity in U. S. A. stockbreeding. V. Tereshchenko. Ekon. sel'khoz. 34 no. 11:108-114 N '63.

UNITED STATES—TAXATION

Every American pays dues to monopolies. V. Chumachenko. Otv. na vop. trud. no. 6:38-44 Ag '63.

UNITED STATES—TEACHERS

American teacher. Z. Navokina. Nar. obr. no. 12:106 D '63.

UNITED STATES—WAR OF 1898

Iurovskaia, E. L. [Early imperialist wars] Pervye imperialisticheskie voiny. Moskva, Vysshaia shkola, 1963. 97 p. (V pomoshch' studentu-istoriku)

UNITED STATES—YOUTH

In the country where the dollar rules. V. Krivoruchenko. Mol. komm. no. 9:115-123 S '63.

UNITIZED CARGO SYSTEMS

Efficient use of a ship's capacity in the transportation of container cargo. P. Dubinskii. Mor. flot 23 no. 11:12-14 N '63.

UNITS

Burdun, G. D. [Units of physical quantities] Edinitsy fizicheskikh velichin. Izd. 3., dop. Moskva, Standartgiz, 1963. 186 p.

International Unit System in the physics course for the ninth grade. S. IA. Shamash. Fiz. v shkole 23 no. 3:37-42 My-Je '63

New recommendation of the International Committee of Radiological Units on the quantities and units of ionizing radiations. Izm. tekh. no. 10:54-59 O '63.

UNIVERSE see Cosmography

UNIVERSITIES AND COLLEGES *see* subdivision under *Moscow; Ukraine*

UNSATURATED COMPOUNDS

Hydrogenation on Pt and Pd during the feeding of the unsaturated compound at a uniform rate. A. M. Sokol'skaia, S. A. Riabinina, D. V. Sokol'skii. Dokl. AN SSSR 152 no. 5:1126-1129 O '63.

Interaction of trichlorogermane with conjugated dienes. V. F. Mironov, T. K. Gar. Dokl. AN SSSR 152 no. 5. 1111-1114 O '63.

Structure of the inclusion complexes of trifluoronitrosomethane with unsaturated compounds and the mechanism of their formation. V. A. Ginsburg and others. Dokl. AN SSSR 152 no. 5 1104-1107 O '63.

UPPER VOLGA ECONOMIC REGION—TESTING LABORATORIES

Work of the State Testing Laboratory in a consolidated economic region. V. N. Solov'ev. Izm. tekh. no. 11 51-52 N '63.

URAL MOUNTAIN REGION—AGRICULTURAL WORKERS

Efforts of the party organizations of Siberia and the Ural Mountain region to consolidate and politically educate agricultural workers in 1928 and 1929. I. I. Shulus. Vest. Mosk. un. Ser. 9. Ist. 18 no. 5 29-37 S-O '63

URAL MOUNTAIN REGION—GEOLOGY, ECONOMIC

Effect of tectonics on the nature of Mesozoic sedimentation in the subarctic Ural Mountain region in connection with the estimation of prospects for finding oil, gas, and coal. G. I. Vialukhin. Trudy Inst. geol. UFAN SSSR no. 63:141-160 '62.

URAL MOUNTAIN REGION—GEOLOGY, STRATIGRAPHIC

Correlation characteristics of the terrigenous components of Upper Jurassic and Lower Cretaceous sediments in a new oil potential area of the trans-Ural region. R. A. Zharkova. Trudy Inst. geol. UFAN SSSR no. 63 161-185 '62.

URAL MOUNTAIN REGION—GEOLOGY, STRUCTURAL

Geotectonic principles of prospecting for most important minerals in Mesozoic formations on the eastern slope of the Ural Mountains and trans-Ural Mountain region. N. I. Arkhangel'skii. Trudy inst. geol. UFAN SSSR no. 63:3-93 '62.

URAL MOUNTAIN REGION—GLACIOLOGICAL RESEARCH

New possibilities for using aerial photography in glaciological research. G. D. Chermnykh. Izv. AN SSSR Ser. geog. no. 6:89-94 N-D '63.

URAL MOUNTAIN REGION—LABOR AND LABORING CLASSES

Sociological study of the aesthetic views and tastes of industrial workers in the Ural Mountain region. A. K. Malekhova. *Nauch. dokl. vys. shkoly; filos. nauki* 6 no. 5:33-37 '63.

URAL MOUNTAIN REGION—LAND TENURE

Evolution of land tenure of crown peasants in the Ural Mountain region and in the European part of Northern Russia during the second half of the 18th and the first third of the 19th century. A. S. Cherevan'. Uch. zap. Petrozav. gos. un. 7 no. 1 85-100 '58.

URAL MOUNTAIN REGION—PLATINUM

Here they mine platinum. A. Grigor'ev. Ogonek 41 no. 42 8-9 O '63.

URAL MOUNTAIN REGION—PROSPECTING

Geotectonic principles of prospecting for most important minerals in Mesozoic formations on the eastern slope of the Ural Mountains and trans-Ural Mountain region. N. I. Arkhangel'skii. Trudy inst. geol. UFAN SSSR no. 63-3-93 '62.

URAL MOUNTAIN REGION—RUSSIAN SOCIAL DEMOCRATIC PARTY

Bystrykh, F. P. [The Second Congress of the Russian Social Democratic Party and the Bolsheviks of the Ural Mountain region] Vtoroi s"ezd RSDRP i bol'sheviki Urala. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 105 p.

URAL MOUNTAIN REGION—STEAMBOATS

First steamships on the rivers of the Ural Mountain region. S. Danilichev. Rech. transp. 22 no. 11 53 N '63.

URAL MOUNTAIN REGION—WATER RESOURCES DEVELOPMENT

Water resources of the Urals. V. S. Gvozdev. Zap. Ural. otd. Geog. ob-va SSSR no. 2.182-187 '55.

URAL MOUNTAIN REGION—WELDING

Regional scientific technological seminar of Ural Mountain region welders. N. A. Kozlov, V. V. Stepanov. Svar. proizv. no. 6:47-48 Je '63.

URAL MOUNTAINS—BAUXITE

New bauxite-bearing formation in the eastern slope of the Ural Mountains and the principles of predicting the occurrences of Mesozoic bauxites. N. I. Arkhangel'skii, V. I. Tushikova. Trudy inst. geol. UFAN SSSR no. 63: 95-112 '62.

URAL MOUNTAINS—FOREST REPRODUCTION

Regeneration in clear-cut areas of the Central Urals. A. A. Marusov. Les. khoz. 16 no. 9:21-23 S '63.

URAL MOUNTAINS—GEOLOGY, STRATIGRAPHIC

Karamalytash series and its stratigraphic position in the column of the eastern slope of the Southern Urals. S.M. Andronov. Dokl. AN SSSR 152 no. 3 680-683 S '63.

URAL MOUNTAINS—GEOLOGY, STRUCTURAL

Geotectonic zoning of the Central and Southern Urals. K.P. Pliusnin. Dokl AN SSSR 152 no. 5.1208-1211 O '63.

History of the formation of the Ufa amphitheater in the Central Urals. M.A. Kamaletdinov. Dokl. AN SSSR 152 no. 5:1200-1203 O '63.

Nature of the most recent tectonic movements on the western slope of the Central Urals. I.S. Stepanov. Dokl. AN SSSR 152 no. 5 1216-1221 O '63.

URAL MOUNTAINS—GUIDEBOOKS

In the Southern Kraka and Ural-Tau Mountains. N.P. Arkhipova. Zap. Ural. otd. Geog. ob-va SSSR no. 2 165-181 '55.

URAL MOUNTAINS—PHYSICAL GEOGRAPHY

In the Southern Kraka and Ural-Tau Mountains. N.P. Arkhipova. Zap. Ural. otd. Geog. ob-va SSSR no. 2 165-181 '55.

URAL MOUNTAINS—PHYTOGEOGRAPHY

Vegetation of the mountain tundras of the Urals. P.L. Gorchakovskii. Zap. Ural. otd. Geog. ob-va SSSR no. 2, 39-158 '55.

URAL MOUNTAINS—REFRACTORY MATERIALS

Stoppers and nozzles from Ural Mountain raw materials. I. Sh. Shvarteman and others. Ogneupory 28 no. 12: 538-543 '63.

URAL PROVINCE—COOPERATIVE SOCIETIES—AUDITING AND INSPECTION

Urals cooperators during the days of the struggle for bread. E. Kuznetsov. Koop. Kazakh. 6 no. 7:12-14 O '63.

URAL'SK PROVINCE—AGRICULTURAL ADMINISTRATION

Increase the activity of the masses. V. Tokar'. Part. zhizn' no. 22:33-37 N '63.

URAL'SK PROVINCE—GRAIN

Increase grain production constantly. Sh. Kospanov. Ekon. sel'khoz. 34 no. 11:8-14 N '63.

URANITE

Quantitative interpretation of the kinetics of lead isotope separation from uranites. S.B. Brandt, S.N. Voronovskii. Izv. AN SSSR. Ser. geol. 28 no. 7:83-87 Jl '63

URANIUM—ANALYSIS

Simultaneous microdetermination of carbon, hydrogen, and uranium. M.K. Dzhamaletdinova. Zav. lab. 29 no. 10:1175-1176 '63.

URANIUM—PHYSIOLOGICAL EFFECT

Bykhovskii, A.V. [Hygienic problems in underground mining of uranium ore] Gigienicheskie voprosy pri podzemnoi razrabotke uranovykh ryd. Moskva, Medgiz, 1963. 328 p.

URANIUM FLORIDES

Solubility of uranium tetrafluoride in aqueous acid solutions. Iu. A. Luk'ianychev, N.S. Nikolaev. Atom. energ. 15 no. 5:423-425 N '63.

URANIUM ISOTOPES

Apparatus for determining small quantities of radioelements by the method of alpha-gamma coincidence selection. V.F. Mikhailov. Prib. i tekh. eksp. 8 no. 5:75-77 S-O '63.

Measuring the capture cross sections of 5-200 Kev neutrons for U^{238} and Th^{232}. V.A. Tolstikov, L.E. Sherman, Iu. IA. Stavisskii. Atom. energ. 15 no. 5:414-415 N '63.

URANIUM ORES

Uranium prospecting from airplanes in forest regions. V.I. Balabanov, A.L. Kovalevskii. Atom. energ. 15 no. 5:432-434 N '63.

URANIUM ORGANIC COMPOUNDS

Simultaneous microdetermination of carbon, hydrogen, and uranium. M.K. Dzhamaletdinova. Zav. lab. 29 no. 10:1175-1176 '63.

URANIUM OXIDES

Oxidation of uranium dioxide by air in the presence of added carbonates and oxides. V.G. Vlasov, A.F. Bessonov. Kin. i kat. 4 no. 5:666-671 S-O '63.

URANYL NITRATE

Uranium targets prepared by the electrocapillary method. E.G. Dermendzhiev, M.K. Del'chev. Prib. i tekh. eksp. 8 no. 4:170-173 Jl-Ag '63.

UREA

Preparation of rhenium dichloromonoacetate and its derivatives with pyridine and thiourea. A.S. Kotel'nikova, G.A. Vinogradova. Dokl. AN SSSR 152 no. 3: 621-623 S '63.

UREA—THERAPEUTIC USE

Trophic action of urea and its use in the treatment of neurotrophic skin diseases [with summary in English]. E.E. Martinson, A.J. Lind. Vest. derm. i ven. 37 no. 7.21-22 Jl '63.

UREA AS FEED

Enriching silage by adding urea solution. V. Semernoi. Tekh. v sel'khoz. 23 no. 10 21-23 O '63.

URETHANES

Synthesis and investigation of hydrophilic polyester urethanes for the manufacture of artificial leather with high hygienic properties. S.L. Polinskii, I.V. Plotnikov, S.A. Pavlov. Izv. vys. ucheb. zav., tekh. leg. prom. no. 5:31-36 '63.

URINARY ORGANS—WOUNDS AND INJURIES

Traumas of the pelvis with complete avulsion of the urethra from the bladder. D.Z. Lifshits. Zdrav. Bel 9 no 3 80-81 Mr '63

URINE—ANALYSIS AND PATHOLOGY

Content of vitamin B in the urine of healthy people [with summary in English]. V.A. Tokovoi. Klin. med. 40 no. 11:118-120 N '62.

Daytime and nighttime urinary excretion of macroelements and microelements by practically healthy people [with summary in English]. V.K. Zaparin, N.M. Gubin. Vrach. delo no. 11:74-76 N '63

Determination of 17-ketosteroids in the urine and the Thorn test in the treatment of liver diseases using hormonal preparations. A.Z. Davletkil'deeva. Kaz. med. zhur. no. 5.40-41 S-O '63.

Excretion of aldosterone with the urine in cardiac insufficiency [with summary in English]. E.N. Gerasimova. Klin. med. 41 no. 7:108-111 Jl '63.

Fluorescence studies on the urine [with summary in English]. B.A. Zenin, I.S. Gol'denberg. Klin. med. 41 no. 7:36-40 Jl '63.

Review of IA A Kimbarovskii and F. IA. Lepp's book "Color sedimentation reaction of the urine." M. Chalisov. Zdrav. Bel 9 no. 3 94 Mr '63

Urinary excretion of tetrahydroxy derivatives of corticosteroids in healthy persons based on paper chromatography data [with summary in English]. IA. M Miloslavskii, N.A Ardamatskii. Probl. endok. i gorm. 9 no. 5.62-66 S-O '63.

Uroprecipitation reaction in the diagnosis of rheumatism in children. B.V. Kozlov. Pediatriia 41 no. 7:56-59 Jl '63.

Zinc content of the blood and its excretion from the body in Botkin's disease [with summary in English]. F.P. Ol'gina. Klin. med. 41 no. 7:23-27 Jl '63.

URINE—INCONTINENCE

Should tots be awakened? A. IA. Dukhanov. Zdorov'e 9 no. 10.25 O '63.

UROLOGY
(see also subdivision under Moldavia)

Kasatkin, M.R. [Urological aid in lesions of the spinal cord] Urologicheskaia pomoshch' pri travme spinnogo mozga. Moskva, Medgiz, 1963. 101 p. (Biblioteka prakticheskogo vracha)
(DNLM)

Respublikanskaia konferentsiia urologov Ukrainskoi SSR, 1960. [Transactions of the Republic Conference of Urologists (dedicated to the 150th anniversary of N.I. Pirogov's birth)] Trudy Respublikanskoi konferentsii urologov (posviashchena 150-letiiu so dnia rozhdeniia N.I. Pirogova) 27-29 iiunia 1960 g. Kiev, Gosmedizdat, USSR, 1962. 386 p

Some problems of resuscitation in urology and nephrology. S.D. Gollgorskii. Zdravookhranenie 6 no. 5:24-28 S-O '63.

UROLOGY—HANDBOOKS, MANUALS, ETC.

Moscow. Pervyi meditsinskii institut. [Methdological instructions for practical work in urology] Metodicheskie ukazaniia k prakticheskim zaniatiiam po urologii. Pod red. I.M. Epshteina. Moskva, 1963. 37 p.
(DNLM)

UROLOGY—NOMENCLATURE

Nomenclature of urological diseases. L. Kh. Pinskii. Zdravookhranenie 6 no. 5:6-8 S-O '63.

UROPEPSIN

Determination of uropepsin and other functions of the gastric glands [with summary in English]. IU. D. Popov. Klin. med. 41 no. 7:46-51 Jl '63.

URSATYEVSKAYA—RAILROADS—EMPLOYEES

Heart open to people. A. IUdanov. Part. zhizn' [Uzb.] 6 no. 6:85-88 Je '63.

USHAKOV, SERGEI NIKOLAEVICH, 1893-

Sergei Nikolaevich Ushakov; on his 70th birthday. Plast. massy no. 11:1-2 '63.

USPENSKOYE RESERVOIR—HYDROLOGY

Akademiia nauk SSSR. Laboratoriia ozerovedeniia. [Hydrology of Uspenskoye Reservoir and its water collecting basin] Voprosy gidrologii Uspenskogo vodokhranilishcha i ego vodsbora. Moskva, Izd-vo Akad. nauk SSSR, 1963. 289 p.

UST'-ISHIM DISTRICT—ANTIQUITIES

Work of the Irtysh detachment. V.A. Mogil'nikov. Krat. soob. Inst. arkheol. no. 94 94-97 '63.

UST'-KAMENOGORSK—CONSTRUCTION INDUSTRY

Erecting multistoried buildings N. Chirkov. Part. zhizn' Kazakh. 33 no. 11:30-33 N '63.

UST'-KAMENOGORSK—LEAD INDUSTRY

Brigades of communist labor are the most important part of moral education. G. Akmambetov. Trudy Inst. filos i prava AN Kazakh. SSR 8 25-38 '63.

UST'-KAMENOGORSK RESERVOIR—YEAST

Quantitative distribution of yeast organisms in the water and soils of Ust'-Kamenogorsk Reservoir. N.L. Tiuten'kova. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7 168-176 '63.

UST'-LABINSK DISTRICT—AGRICULTURE

On the great march. N. Ishmaev. Sov. voin 45 no 12: 18 Je '63.

USTIUGOV, NIKOLAI VLADIMIROVICH, 1896-1963

Public-spirited scholar and teacher; in memory of Nikolai Vladimirovich Ustiugov. I.A Bulygin. Ist. SSSR 7 no. 6:217-218 N-D '63.

USTIUGOV, NIKOLAI VLADIMIROVICH, 1896-1963—BIBLIOGRAPHY see Bibliography—Ustiugov, Nikolai Vladimirovich, 1896-1963

USTURT—RUSSIAN EXPLORATION

Akademiia nauk SSSR. Otdelenie geologo-geograficheskikh nauk SSSR. [First Russian scientific studies of the Usturt] Pervye russkie nauchnye issledovaniia Ustiurta. Moskva, Izd-vo Akad. nauk SSSR, 1963. 325 p.

USTYUZHNA DISTRICT—REGIONAL PLANNING

Formation of economic and cultural centers in a village. P. Kolesnikov. Volog. krai no. 3:35-43 '62.

UTERUS—BLOOD SUPPLY

Some variations in the topography of the vessels of the cervix uteri. Z.A. Tetneva. Akush. i gin. 39 no. 4. 123 Jl-Ag '63.

UTERUS—CANCER

Cancer of the uterocervical stump after supravaginal amputation for fibromyoma. E.K. Khint. Vop. onk. 9 no. 7:111-117 '63.

Combination of cancer of the cervix uteri with extrauterine pregnancy and paraovarian cyst. K.G. Abragam. Akush. i gin. 39 no. 4:127 Jl-Ag '63.

Cytological characteristics of the vaginal contents during the process of malignation in the cervix uteri and the vagina of mice [with summary in English]. Sia Chzhun-fu. [Hsia Chung-fu]. Trudy Inst. onk. AMN SSSR. no. 3:184-189 '60.

Experimental tumors of the cervix uteri and the vagina of mice [with summary in English]. N.I. Vol'fson. Trudy Inst. onk. AMN SSSR. no. 3:171-183 '60.

Mesodermal tumor of the body of the uterus originating ten years after radiotherapy of uterocervical cancer [with summary in English]. A.N. Kosareva. Vop. onk. 9 no. 7:93-95 '63.

Prognostic significance of data from a cytological study of vaginal smears in uterocervical cancer [with summary in English]. R.E. Kaiumova. Vop. onk. 9 no. 7:71-78 '63.

Reactivity of lymph nodes in cancer of the cervix uteri [with summary in English]. A.V. Khokhlov. Akush. i gin. 39 no. 4:38-41 Jl-Ag '63.

Regional metastatic spreading of cancer of the cervix uteri [with summary in English]. V.N. Kiseleva. Akush. i gin. 39 no. 4:41-46 Jl-Ag '63.

Sarcomas of the uterus [with summary in English]. N.A. Levkova, N.D. Skuba. Akush. i gin. 39 no. 4:46-49 Jl-Ag '63.

UTERUS—DISPLACEMENT

Acute inversion of the uterus in the postnatal period. E.V. Pankova. Akush. i gin. 39 no. 4:128-129 Jl-Ag '63.

Compound surgical therapy of descended and prolapsed female genitalia [with summary in English]. A.I. Vinikurenkova. Akush. i gin. 39 no. 4:49-54 Jl-Ag '63.

UTERUS—MOTILITY

Contracting function of the uterus and the effect of kinesthetic stimulations on it. V.M. Klebanov. Eksp. issl. po fiziol., biokhim. i farm. no. 3:221-224 '61.

...IFUS—RADIOGRAPHY

...ngeal radiography and its combination with hysterosalpingography [with summary in English]. M. Kh. Babadan, ... Maresnikova. Akush. i gin. 39 no. 4:6-9 Jl-Ag ...

...hysalpingography during various phases of the menstrual cycle [with summary in English]. A. L. Kaplan, M. M. Atramonova, M. V. Gudkova. Akush. i gin. 39 no. 4:3-5 Jl-Ag '63.

...TERUS—SURGERY

...servative surgical therapy of descended and prolapsed ...ile genitalia [with summary in English]. A. I. ... Akush. i gin. 39 no. 4:10-54 Jl-Ag '63.

...Prevention of perforation of the uterus during its curettage. M. I. Shlepov. Kaz. med. zhur. no. 5:58-60 S-O '63.

...BEK FOLKLORE see Folklore, Uzbek

...BEK LANGUAGE—GRAMMAR

...Valuable work on the grammar of the Old Uzbek language. A. N. Kononov. Obshchestv. nauki v Uz. ... no. 8 63-71 '63.

...BEK LANGUAGE—TENSE

...Khamrayeva, A. A. [Category of tense in modern Uzbek] Kategoriia vremeni v sovremennom uzbekskom iazyke. M. skva, Izd-vo Akad. nauk SSSR, 1963. 122 p.

...BEK NEWSPAPERS

...A historical study on the press of Uzbekistan. A. Abdurakhmanov. Part. zhizn' [Uzb.] 6 no. 10:91-94 O '62.

...BEKISTAN

...Den' zhurnalistov Uzbekistana. [A day of Soviet Uzbekistan] Den' Sovetskogo Uzbekistana. Tashkent, Goslzdat UzSSR, 1963. 270 p.

...BEKISTAN—AGRICULTURAL WORKERS

...Concern and attention to agricultural workers. Part. zhizn' [Uzb.] 6 no. 6:20-21 Je '63.

...BEKISTAN—AGRICULTURE—ECONOMIC ASPECTS

...Evening lectures on economic analysis. R. Tursunov. Part. zhizn' no. 21:59-61 N '63.

...BEKISTAN—ATHEISM—STUDY AND TEACHING

...For a dynamic atheistic propaganda. A. Artykov. Part. zhizn' [Uzb.] 6 no. 6:18-22 Je '63.

...BEKISTAN—COLLECTIVE FARMS—AUDITING AND INSPECTION

...Public control and the local press. Part. zhizn' [Uzb.] 6 no. 10:90-91 O '63.

...BEKISTAN—COMMUNIST EDUCATION

...The labor force must receive a thorough ideological education. Part. zhizn' [Uzb.] 6 no. 6:3-8 Je '63.

...BEKISTAN—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

...Important phase in the life of party organizations. M. Faliev. Part. zhizn' [Uzb.] 5 no. 10:23-26 O '62.

Party news. Part. zhizn' [Uzb.] 6 no. 10:95-96 O '62.

Party news. Part. zhizn' [Uzb.] 6 no. 6:95-96 Je '63.

Party news. Part. zhizn' [Uzb.] 6 no. 10:96 O '63.

...BEKISTAN—COMMUNIST YOUTH LEAGUE

A faithful helper of the party. D. Krasnikov. Part. zhizn' [Uzb.] 6 no. 10:9-13 O '63.

...BEKISTAN—COTTON GROWING

In the Presidium of the Central Committee of the Communist Party of Uzbekistan. Discussion on Mamadzhanova Tashmatova's article "Your honor, cotton grower!" Part. zhizn' [Uzb.] 6 no. 10:14 O '63.

Results of a successful work. I. Urman. Sel'. mekh. no. 10:10-11 O '63.

UZBEKISTAN—COTTON GROWING—LABOR PRODUCTIVITY

What are the advantages of overall mechanization for cotton growers. G. Landes, V. Zabava. Tekh. v sel'khoz. 23 no. 9:21-26 S '63.

UZBEKISTAN—COTTON PICKING

This is our duty. A. Vasil'ev. Part. zhizn' [Uzb.] 6 no. 10:24-27 O '63.

UZBEKISTAN—COTTON-PICKING MACHINERY

Guards of the cotton fields. S. Tulan. Part. zhizn' [Uzb.] 6 no. 10:30-41 O '63.

UZBEKISTAN—ECONOMIC POLICY

Reports and elections in party organizations. Part. zhizn' [Uzb.] 6 no. 10:3-8 O '63.

UZBEKISTAN—EDUCATION, HIGHER

Give constant attention to the education of young specialists. Part. zhizn' [Uzb.] 5 no. 10:38-40 O '62.

UZBEKISTAN—ELECTRIC POWER DISTRIBUTION

Experience in operating remote control devices in the Uzbek Electric Power System. M. L. Aronov. Trudy VNIIE no. 7:17-26 '58.

UZBEKISTAN—FOXES

Feeding habits of foxes in Uzbekistan [with summary in English]. G. I. Ishunin. Zool. zhur. 42 no. 10:1567-1573 '63.

UZBEKISTAN—HEALTH RESORTS, WATERING PLACES, ETC.

How summer vacationing facilities are organized. Part. zhizn' [Uzb.] 6 no. 6:53-55 Je '63.

UZBEKISTAN—HISTORY—SOURCES

"Tawarikh-i Guzide, Nusrat-nameh," as a source of the history of Uzbekistan from the 15th to the early 16th century. A. M. Akramov. Obshchestv. nauki v Uz. 7 no. 8 54-59 '63.

UZBEKISTAN—JOURNALISM, AGRICULTURAL

Public control and the local press. Part. zhizn' [Uzb.] 6 no. 10:90-91 O '63.

UZBEKISTAN—KARAKUL SHEEP

Moslatsov, A. S. [Promoting multiparity in sheep] Povyshenie mnogoplodiia ovets. Moskva, Sel'khozizdat, 1963. 95 p. (DNAL)

UZBEKISTAN—LEGUMES

Green light for legumes! G. Solianko. Part. zhizn' [Uzb.] 5 no. 10:45-47 O '62.

UZBEKISTAN—LIBRARIES AND READERS

Unique books are available to readers. E. Kitkovich. Bibliotekar' no. 11:45-46 N '63.

UZBEKISTAN—MACHINERY INDUSTRY

Akademiia nauk Uzbekskoi SSR, Tashkent. Institut ekonomiki. [Economics of the machinery manufacture of Uzbekistan] Ekonomika mashinostroeniia Uzbekistana. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 289 p.

UZBEKISTAN—MOTION PICTURES

Party principles should be a weapon of the motion-picture artists. I. Rakhim. Part. zhizn' [Uzb.] 6 no. 6:14-17 Je '63.

UZBEKISTAN—MYCOSIS

Morbidity caused by epidermophytosis of the foot in some regions of the Uzbek S. S. R. [with summary in English]. L. A. Slonimskii, A. S. Lukianova, Z. IU. Shimonov. Vest. derm. i ven. 37 no. 7:70-72 Jl '63.

UZBEKISTAN—NEWSPAPER AND PERIODICAL CIRCULATION

Subscription to newspapers and periodicals is an important political campaign. Part. zhizn' [Uzb.] 6 no. 10:44-46 O '63.

UZBEKISTAN—PRINTING INDUSTRY

Closer to the needs of industry. IU. IUsupov. Poligr. proizv. no. 10:3 O '63.

UZBEKISTAN—RAILROADS—EMPLOYEES

Those who march at the forefront. A. IUdanov. Part. zhizn' [Uzb.] 5 no. 10:70-74 O '62.

UZBEKISTAN—ROADS

Development of a network of automobile roads in the rural districts of the Uzbek S. S. R. S. Khusnutdinov. Obshchestv. nauki v Uz. 7 no. 8:50-54 '63.

UZBEKISTAN—RUSSIAN NEWSPAPERS

A new historical study on the press of Uzbekistan. A. Abdurakhmanov. Part. zhizn' [Uzb.] 5 no. 10:91-94 O '62.

UZBEKISTAN—SOCIAL LIFE AND CUSTOMS

Encourage the new and better traditions. I. M. Muminov. Obshchestv. nauki v Uz. 7 no. 8:12-19 '63.

UZBEKISTAN—SOCIALIST COMPETITION

Hold high the banner of the pre-October competition. Part. zhizn' [Uzb.] 6 no. 10:42-44 O '63.

UZBEKISTAN—SOCIETIES

Increased role of public organizations in the building of communism [in Uzbek with summary in English]. Sh. G. Khodzhaev. Obshchestv. nauki v Uz. 7 no. 8:20-26 '63.

UZBEKISTAN—STOCK AND STOCKBREEDING—RESEARCH

Scientists help collective farms. A. Bezverkhov. NTO 5 no. 11:31-32 N '63.

UZBEKISTAN—TECHNOLOGICAL INNOVATIONS

Encourage the new and better traditions. I. M. Muminov. Obshchestv. nauki v Uz. 7 no. 8:12-19 '63.

UZBEKISTAN—VITICULTURE

A good trace on earth. N. Artem'ev. Part zhizn' [Uzb.] 6 no. 6 82-84 Je '63

UZBEKISTAN—WOMEN IN AGRICULTURE

Giul'chekhra, Irina Gnezdilova Ogonek 41 no. 44 15-16 O '63.

UZBEKS—SOCIAL LIFE AND CUSTOMS

From the history of the social life of the Uzbeks. S. M. Mirkhasilov. Sov etn. no. 5 116-121 S-O '63

UZDA REGION (MINSK PROVINCE)—DESCRIPTION AND TRAVEL

Such is the soil of this place. A. Bialevich, V. Danilevich. Belarus' 20 no. 11:8 N '63.

UZHGOROD UNIVERSITY

The rays of science shed the light upon the mountains. IUrii Sukhan. Ukraina no. 12 17-18 Je '62.

VACCINATION

Book reviews. Fel'd i akush. 28 no. 8 58-63 Ag '63

VACCINES

Homologous interference between active and inactivated virus in smallpox vaccine on the chorioallantoic membrane of the chick embryo [with summary in English] O. P. Peterson, Li IU-i [Li Yü] Vop. virus 8 no. 2 159-163 Mr-Ap '63

VACCINIA see subdivision under Kaluga Province

VACUUM

Recommended procedures for conducting experiments in the study of breakdown in high vacuum. Radiotekh. i elektron. 8 no. 12:2102-2105 D '63.

What is vacuum? E. Cissar, K. I. Shchelkin. Priroda 52 no. 10:125-126 '63.

VACUUM APPARATUS

Observations concerning the fundamental equation of statics of a vacuum chamber plant for the processing of soap stock. A. V. Zaks, M. I. Muchnik. Masl.-zhir. prom. 29 no. 10:17-19 O '63.

VACUUM METALLURGY

Defects in the macrostructure of vacuum-produced ball-bearing steel. I. A. Pavperova. Sbor. trud. TSNIICHM no. 32:36-42 '63.

Effect of certain factors on the kinetics of hydrogen removal from liquid steel during its vacuuming. E. S. Levin, K. T. Kurochkin, P. V. Umrikhin. Izv. vys. ucheb. zav., chern. met. 6 no. 10 43-51 '63.

Vacuum treatment of cast iron in foundry molds. N. Volkov. Rech. transp. 22 no. 11 33-34 N '63.

Vacuum treatment of liquid aluminothermic chromium. K. T. Kurochkin, S. I. Suchil'nikov, B. A. Baum. Izv. vys. ucheb. zav.; chern. met. 6 no. 10:58-61 '63.

VACUUM PUMPS

Getter-ion pump with straight-channel titanium and chromium vaporizers. A. S. Nazarov, G. F. Ivanovskii, M. I. Men'shikov. Prib. i tekh. eksp. 8 no. 5:157-161 S-O '63.

Investigating the performance of water ring vacuum pumps by means of high-speed motion picture photography. P. P. Vershinin. Trudy VNIIGidrouglia no. 1 117-126 '62.

Using a vacuum pump for feeding cement into a bunker of a concrete plant. P. D. Beigul, I. M. Viniarskii. Transp. stroi. 13 no. 9:66 S '63.

VACUUM PUMPS—WELDING

Obtaining vacuum tight joints in low-carbon steel pump pipes. E. IU. IUganson. Avtom. svar. 16 no. 10 87-89 O '63.

VACUUM TECHNOLOGY

Generation and maintenance of pressures below 1.10-8 tor, in large metal vessels. E. A. Maslennikov, A. N. Nekrasov, IU. M. Pustovoit. Prib. i tekh. eksp. 8 no. 5:148-156 S-O '63.

Modern ultrahigh vacuum techniques. E. M. Reikhrudel', G. V. Smirnitskaia. Zhur. tekh. fiz. 33 no. 12:1405-1429 D '63.

Moscow. TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeniiu. [Heat insulation with the utilization of vacuum] Teploizolatsiia s ispol'zovaniem vakuuma. Moskva, 1963. 43 p. (Seriia VI: Novye materialy, no. 59)

Second European Symposium on Vacuum Technique. E. Fisher. Atom. energ. 15 no. 5:438-439 N '63.

VACUUM-TUBE VOLTMETER see Electron-tube voltmeter

VAGINA—CANCER

Cytological characteristics of the vaginal contents during the process of malignation in the cervix uteri and the vagina of mice [with summary in English]. Shia Chzhun-iu. [Hsia Chung-fu]. Trudy Inst. onk. AMN SSSR. no. 3:184-189 '60.

Experimental tumors of the cervix uteri and the vagina of mice [with summary in English]. N. I. Vol'fson. Trudy Inst. onk. AMN SSSR. no. 3:171-183 '60.

VAGINA—DISEASES

Vulvovaginitis in girls. A. T. Tumanian. Fel'd. i akush. 28 no. 11.24-30 N '63.

VAGINAL SMEARS

Diagnosis of the bursting of waters [with summary in English]. V. T. Vartapetova. Akush. i gin. 39 no. 4: 89-92 Jl-Ag '63.

Evaluation of the method of determining the bursting of waters by detection of crystals in vaginal smears. K. M. Bakevich. Akush. i gin. 39 no. 4:92-94 Jl-Ag '63.

Prognostic significance of data from a cytological study of vaginal smears in uterocervical cancer [with summary in English]. R. E. Kaiumova Vop. onk. 9 no. 7:71-76 '63.

VAGUS NERVE

Mechanism of the stoppage of the ventricles of the heart by stimulation of the vagus nerve. E. B. Babskii, L. S. Ul'ianinskii. Dokl. AN SSSR 152 no. 5.1263-1266 O '63.

Reactive changes in the vagus nerves in strangulation. I. A. Kontseevich, K. S. Kabak. Sud.-med. ekspert. 6 no. 4:10-16 O-D '63.

VAGUS NERVE—DISEASES

Sequelae of experimental neuritis of the vagus nerve. A. M. Chernukh. Trudy Inst. norm. i pat. fiziol. AMN SSSR 1:180-185 '58.

VAKHSH VALLEY—COTTONSEED OIL MILLS

Oil manufacturing industry of the Vakhsh Valley and its potentials. M. A. Valieva. Trudy Otd. ekon. AN Tadzh. SSR 11:22-41 '63.

VALENCE (THEORETICAL CHEMISTRY)

Effect of the electromagnetic delay of molecular attraction on the coagulation concentrations of electrolytes. B. V. Deriagin, V. P. Smilga. Dokl. AN SSSR 153 no. 2: 377-378 N '63.

VALLEYS see subdivision under Kazakhstan; Volga region

VALUE

Kondrashov, D. D. [Price and value in the socialist economy] Tsena i stoimost' v sotsialisticheskom khoziaistve. Moskva, Sotsekgiz, 1963. 391 p.

VALVES

Electromagnetic valve. V. V. Melent'ev, V. A. Ostapenko. Mekh. i avtom. proizv. 17 no. 10:31 O '63.

VAN ALLEN RADIATION BELTS

Shock wave ahead of the earth and its effect on the radiation belts. M. A. Gintsburg. Geomag. i aer. 3 no. 6:1127-1128 N-D '63.

VANADIUM—ANALYSIS

Current-voltage study of divalent vanadium compounds and their use in the amperometric titration of tetravalent vanadium and titanium [with summary in English]. Z. A. Gallai, T. IA. Mar'ianovskaia. Zhur. anal. khim. 18 no. 8 924-929 Ag '63.

VANADIUM CHLORIDES

Paramagnetic relaxation in concentrated aqueous solutions of $(VO)^{2+}$. G. P. Vishnevskaia, B. M. Kozyrev, P. G. Tishkov. Dokl. AN SSSR 152 no. 3:644-646 S '63.

VANEEV, ANATOLII ALEKSANDROVICH, 1872-1899

A. A. Vaneev, Il'ich's companion in arms. A. Blank. Volog. krai no. 3:240-250 '62.

anilic acid for the synthesis of poly-
ith summary in English on p. 167].
E. Votynskii. Sbor. trud. NIIGS Il:

inism in the theory of the
G. V. Platonov. Nauch. dokl.
6 no. 4:87-96 '63.

ognition of insufficiency of the
xtremity. V. V. Ivanov.
133 Jl '63.

lskii. Rab. i stal. 39 no. 11:

BUILDING

Khristo Bonev. Znan. sila

;

h and paint industry. E. F.
no. 95:104-109 '63.

VARTASHEN DISTRICT—AGRICULTURE—AUDITING AND INSPECTION

Protect collective and state farms from the theft of property. M. A. Kafarov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10 7-8 O '63.

VASES, ROMAN see subdivision under Rostov-on-Don

VASIL'EV, MAKARII ALEKSEEVICH, 1908-1962

In memory of M. A Vasil'ev Zdrav Bel. 9 no 3:95 Mr '63

VASIL'EV, VLADIMIR ALEKSANDROVICH, 1880-1950

Vladimir Aleksandrovich Vasil'ev, on the 80th anniversary of his birth. K. G. Fink. Izv. Kir. fil Geog. ob-va SSSR no. 4 94-96 '63.

VASOMOTOR NERVOUS SYSTEM see Nervous system, Vasomotor

VATICAN COUNCIL, 2d.

What is ailing the Catholic Church. B. Il'in. Nov. vrem. 21 no. 52:9-12 D '63.

VECTOR ANALYSIS

Borisenko, A. I., and I. E. Tarapov. [Vector analysis and the fundamentals of the calculus of tensors] Vektornyi analiz i nachala tenzornogo ischisleniia. Izd. 2., dop. Moskva, Gos. izd-vo "Vysshaia shkola," 1963. 261 p.

Computation of the rotation of completely continuous vector fields related to the problem of periodic solutions to differential equations. M. A Krasnosel'skii, V. V. Strygin. Dokl. AN SSSR 152 no. 3:540-543 S '63.

VECTORCARDIOGRAPHY

Method of phasic vectorcardiography. A. N. Medelianovskii, V. A. Frolov, O. I. Kiselev. Trudy po nov. app. i metod. no. 1 80-85 '63.

VEGETABLE GARDENING
(see also subdivision under Ukraine)

Characteristics of irradiation sources for vegetable seedlings. V. M. Leman, O. S. Fantalov. Dokl. TSKHA no. 47.95-102 '59.

Phasic development and seed productivity of vegetable plants [with summaries in English, German, and French]. A. S. Kruzhilin, Z. M. Shvedskaia. Vest. sel'khoz. nauki 8 no. 6:18-20 Je '63.

Ul'ianov, I. P. [Vegetable factories] Fabriki ovoshchei. Moskva, Izd-vo "Znanie," 1963. 39 p. (Narodnyi universitet kul'tury Sel'skokhoziaistvennyi fakul'tet, no. 9)

VEGETABLE TRADE

Let's successfully carry out the procurement of vegetables and potatoes. Sov. potreb. koop 7 no 10:1-2 O '63.

VEGETABLES—HARVESTING

Trailer platform for gathering vegetables. A. Saffulin. Tekh. v sel'khoz. 23 no. 9:57-60 S '63.

VEGETABLES—PRESERVATION

Qualitative evaluation of processed vegetables. N. Strogov. Sov. torg. 37 no. 11:45-46 N '63.

VEGETABLES—THERMAL PROPERTIES

Thermophysical properties of potatoes and vegetables. A. N. Vysheloesskii, M. A. Gromov. Kons. i ov. prom. 18 no. 11:25-27 N '63.

VEGETABLES, DRIED

New type of semiprocessed products: powdered vegetables. M. Grigorash, G. Gusina. Obshchestv. pit. no. 9:36 S '63.

VEHICLES, MILITARY

Foreign military news. Voen. vest. 43 no. 10:124 O '63.

VEINS—DISEASES

Case of acute massive venous thrombosis. G. A. Dovgilevich. Ortop., travm. i protez. 24 no. 6:49-50 Je '63.

Mondor's disease. I. S. Poleshchuk. Kaz. med. zhur. no. 5:80-81 S-O '63.

VEINS—INNERVATION

Effect of potassium and calcium on the activity of vein receptors. P. F. Konovalov. Trudy Khab. med. inst. 23 no. 2:55-56 '62.

Reflex influence of potassium chloride and calcium chloride from vein receptors. P. F. Konovalov. Trudy Khab. med. inst. 23 no. 2:53-54 '62.

VEKSLER, VLADIMIR IOSIFOVICH, 1907-

V. I. Veksler, laureate of the Atoms for Peace Award. I. N. Semeniushkin, I. V. Chuvilo. Priroda 52 no. 10: 108-109 '63.

VEKUA, IL'IA NESTEROVICH, 1907-

New contribution to mathematics. B. N. Delone, V. S. Vinogradov, L. D. Kudriavtsev. Priroda 52 no. 10: 55-56 '63.

VELCHEV, BORIS, 1914-

Boris Velchev. Nov. vrem. 21 no. 46:28 N '63.

VELICHKINA, VERA MIKHAILOVNA, 1868-1918

Vera Mikhailovna Velichkina (Bonch-Bruevich). A. G. Svetliakov. Fel'd. i akush. 28 no. 11:51-54 N '63.

VELIKIY USTYUG—SILVERSMITHING

Silversmiths. P. Sharnin. Volog. krai no. 3:187-195 '62.

VELIKIYE LUKI, BATTLE OF, 1942-1943

In the battles for Velikiye Luki. A. Kronik. Voen.-ist. zhur. 5 no. 11.55-72 N '63.

VELIKO-ANADOL'—AFFORESTATION

At the cradle of steppe afforestation. P. I. Golovan'. Les. khoz. 16 no. 9:77 S '63.

VENA CAVA—ABNORMITIES AND DEFORMITIES

Case of atresia of the inferior vena cava. V. R. Anakhasian, I. M. Ostrovskaia, A. A. Fokina. Khirurgiia 39 no. 7:127-128 Jl '63.

VENA CAVA—SURGERY

Alloplasty of the major veins [with summary in English]. S. S. Mikhailov, I. A. Pleshchenov, E. M. Gerasimov. Vest. khir. 91 no. 7 25-33 Jl '63.

VENDING MACHINES

Automatic machinery behind the counter. S. Rezvik. Tekh. mol. 31 no. 11:4 '63.

VENEZUELA—POLITICS AND GOVERNMENT

The battle within Venezuela. P. Shiblin. Nov. vrem. 21 no. 47:18-19 N '63.

The political situation becomes tense again. A. Karisev. Mezhdunar. zhizn' 10 no. 11:109 N '63.

VENIZELOS, SOFOKLIS, 1894-

Georgios Andreou Papandreou; Sofoklis Venizelos. Nov. vrem. 21 no. 47:31 N '63.

VENTILATION

Exhaust ventilation shaft with axial-flow fans. I. S. Arshinov. Mashinostroenie no. 6:69-70 N-D '63.

Taliev, V. N. [Aerodynamics of ventilation] Aerodinamika ventiliatsii. 2., izd., perer. i dop. Moskva, Gosstroiizdat, 1963. 339 p.

VENTTSEL', MIKHAIL KONSTANTINOVICH, 1862-1963

Mikhail Konstantinovich Venttsel'; obituary. Geod. i kart. no. 10.78-79 O '63.

VENUS (PLANET)—SPECTRA

Measuring the radio emission spectrum of the night side of Venus in the microwave band. IU. N. Vetukhnovskaia and others. Izv. vys. ucheb. zav.; radiofiz. 6 no. 5: 1054-1056 '63.

VERDI, GIUSEPPE, 1813-1901

Giuseppe Verdi. M. Mikhalau. Belarus' 20 no. 10:29 O '63.

VERESHCHAGIN, VASILII VASIL'EVICH, 1842-1904

He wanted to paint sunshine. A. Varshavskii. Znan. sila 38 no. 9:48-50 S '03.

VERKHNIY KARACHAN (VORONEZH PROVINCE)—COOPERATIVE SOCIETIES

Party organization as the soul of a collective. B. Frabov. Sov. potreb. koop. 7 no. 10:5-7 O '63.

VERKHOYANSK RANGE—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Carboniferous sediments in the Verkhoyansk Range. R. V. Solomina. Sbor. st. po paleont. i biostrat. no. 30:10-35 '62.

VERKHOYANSK RANGE—MINERAL WATERS

Mineral waters in the Aldan slope of the eastern Verkhoyansk Range. N. V. Ichetovkin, R. L. Skhol'. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1:134-138 '58.

VERKHOYANSK RANGE—PALEONTOLOGY, STRATIGRAPHIC

Basis for the correlation of Middle and Upper Carboniferous sediments in the Taymyr Peninsula and the northern part of the Verkhoyansk Range. V. I. Ustritskii. Sbor. st. po paleont. i biostrat. no. 30:5-16 '62.

VERMICULITE

Resources of vermiculite of the U. S. S. R. P. P. Tokmakov. Trudy IGEM no. 95:71-78 '63.

VERNADSKII, VLADIMIR IVANOVICH, 1863-1945

Bronskii, N., A. Reznikov, and V. IAkovlev. [V. I. Vernadskii; on the 100th anniversary of his birth] V. I. Vernadskii; k stoletiiu so dnia rozhdeniia. Pod obshchei red. i s predisl. IU. A. Zhdanova. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1963. 102 p.

VERTEBRAE—FRACTURE

Case of compression fracture of the spine in a parturient. V. L. Gertsman. Akush. i gin. 39 no. 4:131 Jl-Ag '63.

VERTEBRATES—ANATOMY

Mil'shin, A. A. [Interoceptors of the digestive tract of some lower vertebrates, a comparative histological study] Interotseptory pishchevaritel'nogo trakta nekotorykh nizshikh pozvonochnykh, sravnitel'no-gistologicheskoe issledovanie. Moskva, Izd-vo Akad. nauk SSSR, 1963. 97 p. diagrs. insert in pocket.

VERTEBRATES—GEOGRAPHIC DISTRIBUTION

Use of the analysis of variance in determining the qualitative abundance of terrestrial vertebrates in the U.S.S.R. [with summary in English]. P. V. Terent'ev. Vest. LGU 18 no. 21:19-26 '63.

VERTEBRATUS, FOSSIL: see subdivision under Kuznetsk Basin

VESELINOVIĆ, JANKO M., 1862-1905

Janko Veselinović and Marko Vovchok. M. L. Bershadskaia. Mezhdunar. zhizn' no. 3:66-77 '63.

VESHLANSKAYA (ROSTOV PROVINCE)—AGRICULTURAL WORKERS

Heavy burden. P. Chukarin. Part. zhizn' no. 22:60-64 N '63.

VETERINARY MATERIA MEDICA AND PHARMACY

Antiparasitic forage plants [with summaries in English, German, and French]. R. S. Chobotarev. Vest. sel'skokhoz. nauki 8 no. 8:77-81 Je '63.

VETERINARY MEDICINE—ABSTRACTS

[Animal husbandry. Veterinary medicine] Ref. zhur.: Zhiv. Vet. no. 23 D '63.

VETERINARY PATHOLOGY—CONGRESSES

[illegible]

clogical Anatomy of Farm Animals] Trudy. Voronezh, Izd-vo Voronezhskogo univ., 1961. 499 p. (DNAL)

VIBRATION

"Experimental study of vibrations in the wobbling of the running gear of the rolling stock of railroads." B. M. Sil'man. [Sbor. trud.] RIIZHT no. 32:230-246 '61.

Methods of studying the effect of vibration and its frequency on the stress-rupture strength of heat-resistant alloys. L. T. Timoshuk, V. I. Smolina. Sbor. trud. TSNIICHM no. 32:156-163 '63.

Vibrations of a beam on an elastic foundation with one-sided connections. A. P. Shiltsyn. Strol. mekh. i rast. sooor. 4 no. 1:10-25 '62.

VIBRATION—CONGRESSES

International conference on nonlinear vibrations. Iu. A. Mitropol'skii. Strol. mekh. i rasch. sooor. 4 no. 1:44-45 '62.

VIBRATION—PHYSIOLOGICAL EFFECT

Changes in the peripheral nerve branches under the effect of vibration, experimental research [with summary in English]. N. I. Karpova. Arkh. pat. 25 no. 7:48-53 '63.

Clinical observations on the manifestations of the vibration disease in riveters and lockamiths working with lead and zinc dies. V. V. Sokolov. Trudy Vor. med. inst. 47:92-93 '62.

Effect of vibration and muscular tension on the heart. V. I. Bel'tiukov. Eksp. issl. po fiziol., biokhim. i farm. no. 3:141-149 '01.

Materials on the pathogenesis of the vibration disease [with summary in English]. E. TS. Andreeva-Galanina, N. L. Karpova. Gig. truda i prof. zab. 7 no. 1:4-9 Ja '63.

Use of the vibration stimulus in the detection of some functional shifts in workers exposed to vibration in industry [with summary in English]. Z. M. Butkovskaia, Iu. S. Korlukaev. Gig. truda i prof. zab. 7 no. 1:9-13 Ja '63.

Vibration and motor visceral reflexes. M. R. Mogendovich. Eksp. issl. po fiziol., biokhim. i farm. no. 3:41-47 '61.

VIBRATION (MARINE ENGINEERING)

Nomograms for the determination of torsional vibrations in the design of shaft lines. L. V. Efremov. Sudostroenie 29 no. 11:21-23 N '63.

VIBRATORS

Zhgulev, A. S. [Electrovibrating machine operator] Mashinist elektrovibratsionnoi mashiny. Moskva, Gosgortekhizdat, 1963. 91 p. (Bibliotechka molodogo obogatitelia)

VICO, GIOVANNI BATTISTA, 1668-1744

Are all the views of Vico really progressive? V. A. Kamenetskii. Vop. ist. 38 no. 12:106-107 D '63.

VIETNAM, NORTH—FOREIGN RELATIONS—MONGOLIA

Good-will visit. Iu. Tsedenbal. Sovr. Mong. 4 no. 10:4-10 O '59.

VIETNAM, NORTH—MACHINERY INDUSTRY

"Flowers" of Hanoi. Ukraina no. 17:26 S '62.

VIETNAM, NORTH—SOCIAL CONDITIONS

Our books. Zhen. mira no. 11:20 '61.

VIETNAM, SOUTH—POLITICS AND GOVERNMENT

Declaration of the National Liberation Front on the situation in South Vietnam after the coup d'etat of November 1, 1963 (insert). Nov. vrem. 21 no. 51:35-40 D '63.

Exchange of marionettes in South Vietnam. E. Baskakov. Agitator no. 22:58-59 N '63.

The liberation war in South Vietnam. I. Shchedrov. Nov. vrem. 21 no. 51:8-9 D '63.

The people will win! O. Igorev. Az. i Afr. segodnia no. 12:18-20, 29 D '63.

The people's front of the struggle for the liberation of South Vietnam. F. Khalin. Mezhdunar. zhizn' 10 no. 11:137-138 N '63.

The war in the jungle. Wilfred Burchett. Nov. vrem. 21 no. 52:29-31 D '63.

VILJANDI DISTRICT—AGRICULTURAL ADMINISTRATION

In close contact. L. Virunurm. Part. zhizn' no. 22:46-48 N '63.

VILLAGES: see subdivision under Cherkassy District; Fedorovskiy District

VILNIUS—PUNCHED CARD SYSTEMS

New calculating machines. E. Koroleva. Bukhg. uchet 20 no. 9:8-12 S '63.

VINNITSA PROVINCE—BOOKSELLERS AND BOOKSELLING

Pave the way to everything new and progressive. V. Stychinskaia. Koop. Kazakh. 6 no. 7:20-25 O '63.

VINNITSA PROVINCE—COLLECTIVE FARMS—INTERFARM COOPERATION

An advanced interfarm building organization. K. Otkalenko. Stil'. bud. 12 no. 1:3-4 Ja '62.

VINNITSA PROVINCE—CONSTRUCTION INDUSTRY

An advanced interfarm building organization. K. Otkalenko. Stil'. bud. 12 no. 1:3-4 Ja '62.

VINYL ALCOHOL POLYMERS

Synthesis of boron derivatives of polyvinyl alcohol. S. N. Ushakov, P. TUdorin. Dokl. AN SSSR 153 no. 2:366-369 N '63.

VINYL COMPOUND POLYMERS

Use of the new plasma substituting solution Polyvinal in pulmonary surgery [with summary in French]. V. M. Tavrovskii, N. V. Shestakov. Probl. tub. 40 no. 6:66-71 '62.

VINYL COMPOUND POLYMERS—PHYSIOLOGICAL EFFECT

Effect of polychlorvinyl resin dust in an experiment and in industry [with summary in English]. A. P. Golovatiuk. Vrach. delo no. 11.107-111 N '63.

VIOLURIC ACID

Violuric acid as an indicator in complexonometric titration of copper [with summary in English]. P. P. Solodovnikov. Zhur. anal. khim. 18 no. 8:1026-1027 Ag '63.

VIRGIN TERRITORY—AGRICULTURE

Urgent problems of agriculture on virgin lands. V. Savostin. Part. zhizn' no. 22:27-32 N '63.

VIRGIN TERRITORY—ARTISANS

The skillful hand from the Virgin Territory. B. Voronin. Tekh. mol. 31 no. 11:30 '63.

VIRGIN TERRITORY—GRAIN ELEVATORS

Mechanize granaries on virgin-land state farms. V. Nanosov. Ekon. sel'khoz. 32 no. 7:83-87 Jl '61.

VIRGIN TERRITORY—RESTAURANTS, LUNCHROOMS, ETC.

To get a "thank you" from the people of the Virgin Territory. N. Glukhov. Obshchestv. pit. no. 12:13 D '61.

VIRGIN TERRITORY—RETAIL TRADE

Let's give better service to Virgin Territory residents. N. Glukhov. Sov. torg. 37 no. 11:42 N '63.

VIRGIN TERRITORY—STATE FARMS—MANAGEMENT

Efficient distribution and combination of branches on virgin-land state farms. A. Belov. Ekon. sel'khoz. 32 no. 7:44-50 Jl '61.

VIRGIN TERRITORY—STOCK AND STOCKBREEDING

Increase the production of meat and milk on state and collective farms in the Virgin Territory. A. Kozlov. Ekon. sel'khoz. 32 no. 7:39-43 Jl '61.

VIRGIN TERRITORY—WEED CONTROL

Advantages of using airplanes for the chemical weed control of grass cultures. T. Borodina. Ekon. sel'khoz. 34 no. 11.106-107 N '63.

VIROLOGY

Editorial notes. Vop. virus. 8 no. 2:250 Mr-Ap '63

Program of the development of Soviet virology. Vop. virus 8 no. 2 131-134 Mr-Ap '63

VIROLOGY—ABSTRACTS

Abstracts of articles received by the editors. Vop. virus 8 no. 2 243-249 Mr-Ap '63

VIROLOGY—CONGRESSES

Brief news. Vop. virus 8 no. 2 251-255 Mr-Ap '63

VIRUS DISEASES OF PLANTS

Gol'din, M. I. [Virus inclusions in plant cells and the nature of viruses] Virusnye vkliucheniia v rastitel'noi kletke i priroda virusov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 202 p.

Production of a specific antiserum against potato virus S [with summary in English]. E. V. Kuvshinova. Vop. virus 8 no. 2 172-174 Mr-Ap '63

Protein-containing substances as inhibitors of phytopathogenic viruses. A. D. Bobyr. Mikrobiol. zhur. 25 no. 5 71-75 '63.

VIRUS RESEARCH

Data for the study of tick-borne encephalitis in White Russia. Report No. 1. Course of experimental infection in rhesus macagne monkeys [with summary in English]. V. I. Votiakov. Vop. virus 8 no. 2 184-189 Mr-Ap '63.

Photography of plaques. K. L. Val'dman. Vop. virus 8 no. 2 239-240 Mr-Ap '63

Study of ECMO viruses in experiments on monkeys [with summary in English]. E. R. Pille, L. V. Nadaichik, F. V. Voronina. Vop. virus 8 no. 2 204-210 Mr-Ap '63.

Study of the biological properties of cultural variants of sheep pox virus [with summary in English]. V. F. Romanenko, V. N. Siurin. Vop. virus 8 no. 2 224-229 Mr-Ap '63.

Study of the chemical structure of ECMO viruses [with summary in English]. E. R. Pille. Vop. virus. 8 no. 2 210-213 Mr-Ap '63

VIRUSES

Characteristics of the virus isolated from feces of a patient with epidemic hepatitis (strain K3) [with summary in English]. V. A. Ananiev and others. Vop. virus. 8 no. 2 217-221 Mr-Ap '63

Isolation of active viruses from tumors of viral origin non-inoculable by filtrates. V. Popov. Izv. AN Latv. SSR no. 9.83-90 '63.

Sulfhydryl groups of viruses. L. M. Tarasevich. Vop. virus 8 no. 2 135-141 Mr-Ap '63

VISCERA

Effect of aminazine on cutaneous visceral and motor visceral reflexes. V. P. Kolychev. Eksp. issl. po fiziol., biokhim. i farm. no. 3 203-209 '61.

Hypokinesia as a factor in the pathology of internal organs. M. P. Mogendovich. Eksp. issl. po fiziol., biokhim. i farm. no. 3 9-26 '61.

VISCERA—DISEASES

Changes in the internal organs of paradontosis patients. M. O. Vil'dt. Teor. i prak. stom. no. 5.188-192 '61.

VISCERA—HYDATIDS

Some problems in the clinical aspects, diagnosis and treatment of echinococcosis [with summary in English]. I. K. Karaev. Vest. khir. 90 no. 6:33-36 Je '63.

VISCERA—MOTILITY

Vibration and motor visceral reflexes. M. R. Mogendovich. Eksp. issl. po fiziol., biokhim. i farm. no. 3:41-47 '61.

VISCOSIMETER

Apparatus for viscosity measurements under pressure. G. P. Shakhovskoi and others. Prib. i tekh. eksp. 8 no. 5:203-207 S-O '63.

VISCOSITY

Analysis of irrational viscosity isotherms of binary systems [with summary in English]. Iu. IA. Fialkov. Zhur. fiz. khim. 37 no. 9:1938-1943 S '63.

Flow of fluid with varying viscosity in a round pipeline. S. K. Aslanov. Izv. vys. ucheb. zav., neft' i gaz 4 no. 12:83-88 '61.

Temperature dependence of the viscosity of n-alkanes [with summary in English]. M. Kh. Karapet'iants, YAn'Go-sen' [Yen Kuo-sên]. Zhur. fiz. khim. 37 no. 9:2041-2047 S '63.

VISHNEVSKII, VSEVOLOD VITAL'EVICH, 1900-1951

Single combat. Kirill Golovanov. Sov. voin 46 no. 14:9 Jl '63.

VISIBILITY

Effect of poor visibility on the standing time at harbor approaches. I. L. Bukhanovskii. Trudy NIIAK no. 20: 88-95 '63.

VISION

Investigating the excitability of the human visual analyzer during rolling at sea [with summary in English]. B. A Funtikov. Vest. LGU 18 no. 21 171-174 '63.

VISITORS, COLUMBIAN see subdivision under Latvia

VISITORS, FOREIGN see subdivision under Crimea

VISUAL EDUCATION

Work practices of a technological study unit. A. I. Khorev. Opyt rab. po tekh. inform. i prop. no. 2.29-31 '63.

VITAMIN THERAPY

Combined use of vitamins; preliminary report [with summary in English]. P. L. Shifov, T. N. IAkovlev. Klin. med. 40 no. 11:120-125 N '62.

Vitamin therapy in hypoplastic and aplastic states. N. A. Novosad. [Sbor. trud.] L'vov. nauch.-issl. inst. perel. krovi i neotlozh. khir. no. 4 148-154 '60.

VITAMINS

Characteristics of the aerobic vital activity of yeast as related to the sources of nitrogen and vitamins. M. A. Ter-Karapetian, E. N. Makarova. Izv. AN Arm.SSR. Biol. nauki 16 no. 10:3-11 O '63.

Fifty years of vitaminology. I.U. V. Vallavskii. Klin. med. 40 no. 11:139-141 N '62.

VITAMINS—A

Absorption of radioactive iodine (J^{131}) by the thyroid gland when large doses of vitamin A are used. N. B. Lutsiuk. Vrach. delo no. 11:133-134 N '63.

VITAMINS—B_1 see Thiamine

VITAMINS—C see Ascorbic acid

VITAMINS—D

Prevention of dental caries in childhood by vitamins B_1 and D. L. A. Vilkova. Teor. i prak. stom. no. 5.222-226 '61.

VITAMINS—P

Antibiotic properties of vitamin preparations obtained from the wild rose fruit by the fermentation method. M. T. Golovkina and others. Izv. vys. ucheb. zav., pishch. tekh. no. 5:43-46 '63.

VITEBSK—CRIME PREVENTION

Organizational forms of a district's struggle against criminal offenses. V. Mararinova. Sots. zakon. 40 no. 8:32-35 S '63.

VITEBSK—TEXTILE INDUSTRY

Life calls us to new achievements. Hanna Khavanskaia. Rab. i sial. 39 no. 10:7-8 O '63.

VITEBSK DISTRICT—WOMEN—SOCIETIES AND CLUBS

Friend and advisor. A. Nestsiarkou. Rab. i sial. 39 no. 11:5 N '63.

VITEBSK PROVINCE—DIPHTHERIA—PREVENTIVE *INOCULATION*

On the way to the elimination of diphtheria in Vitebsk Province. G. A. Sudzhaev and others. Zdrav. Bel. 9 no. 3:48-50 Mr '63.

VITICULTURE see subdivision under Shebotovka region; Uzbekistan

VITICULTURE—EQUIPMENT AND SUPPLIES

Winch for trellis wires. P. Gebbel'. Tekh. v sel'khoz. 23 no. 9:83-84 S '63.

VITILIGO

Treatment of vitiligo with meladinine. T. T. Tadzhibaev. Vest. derm. i ven. 37 no. 7:76-77 Jl '63.

VLADIMIR PROVINCE—NURSES AND NURSING

Nurses' councils. Med. sestra 22 no. 11:57-58 N '63.

VLADIMIR PROVINCE—TEACHERS, TRAINING OF

Such practice is expedient. G. Chernov. Nar. obr. no. 12:12-13 D '63.

VLASENKO, VLADLEN PAVLOVYCH, 1927-1963

V. P. Vlasenko; obituary. Rad. lit. 7 no. 6:154 N-D '63.

VOCATIONAL EDUCATION
(see also subdivision under Moscow)

Every graduating student should have a creative task. A. Gutkin. Nar. obr. no. 12:126 D '63.

Friendship between generations. V. IUr'ev. Prof.-tekh. obr. 20 no. 10:4-5 O '63.

Improving vocational qualifications of students. V. Zegvinzinskii. Nar. obr. no. 9:85-88 S '63.

Kolesnik, M. G. [Organizing the methodological work in vocational technical schools] Organizatsiia metodicheskoi raboty v professional'no-tekhnicheskikh uchilishchakh. Moskva, Profizdat, 1962. 90 p. (Obmen opytom raboty)

Machinery industry workers are learning. B. Egerman. NTO 5 no. 11 29-30 N '63

Mnemonic methods of teaching. M. Glasko. Prof.-tekh. obr. 20 no. 10:16 O '63.

On the agenda is the practice of a collective. G. Todrin. Prof.-tekh. obr. 20 no. 10:17 O '63.

To make a man grow.... IA. Simkin. Prof.-tekh. obr. 20 no. 10:6-8 O '63.

Training senior students to love occupations. V. S. Pavliuchenkov, I. M. Palei. Sov. pedag. 27 no. 9:49-55 S '63.

Vocational instructor, teacher, and friend. Prof.-tekh. obr. 20 no. 10:1-2 O '63.

Way to life. P. Krylov. Sots. obesp. 24 no. 9:36-37 S '63

Why does an axiom need proof? V. Tret'iakov. Smena 40 no. 13:26-27 Jl '63.

VOCATIONAL EDUCATION—EXAMINATIONS

Industrial training tests. E. Zaloznov. Prof.-tekh. obr. 20 no. 10:20 O '63.

VOICE

Review of W. Schweisheimer's book "Identification of persons by means of voice spectrography" [in German]. N. N. Acherkan. Sud. med. ekspert. 6 no. 4:58-59 O-D '63.

VOICE—CARE AND HYGIENE

Egorov, A. M. [Hygiene of the voice and its physiological foundation] Gigiena golosa i ego fiziologicheskie osnovy. Pod obshchei red. N. I. Zhinkina. Moskva, Muzgiz, 1962. 170 p.

VOLCANIC ASH, TUFF, ETC.

Lebedev, A. P., ed. [Problems of paleovolcanism. Translated from the English] Problemy paleovulkanizma, sbornik. Moskva, Izd-vo inostr. lit-ry, 1963. 585 p.

Maleev, E. F. [Volcanoclastic rocks] Vulkanoklasticheskie gornye porody. Red. K. N. Rudich. Moskva, Gosgeoltekhizdat, 1963. 167 p.

VOLCANOES
(see also subdivision under Siberia, Eastern; Syria)

Akademiia nauk SSSR. Sibirskoe otdelenie. Institut vulkanologii. [Geological and geophysical studies in volcanic regions] Geologicheskie i geofizicheskie issledovaniia v vulkanicheskikh oblastiakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 165 p.

VOLGA-BALTIC SEA WATERWAY

The Volga-Baltic Sea Waterway is an important construction project of the seven-year plan. A. Khmel'nitskii. Volog. krai no. 3-3-12 '62.

VOLGA-BALTIC SEA WATERWAY—EXCAVATION

By the end of the year we shall have excavated 100,000 m^3 of earth ahead of schedule. A. I. Samoilov. Transp. stroi. 13 no. 9:43 S '63.

VOLGA HYDROELECTRIC POWER STATION (LENIN)

Study of the electrical braking of the generators of the V. I. Lenin Volga Hydroelectric Power Station. E. L. Bronshtein, V. A. Venikov, S. A. Sovalov. Trudy VNIIE no. 15:227-248 '63.

VOLGA HYDROELECTRIC POWER STATION (22d CONGRESS OF THE CPSU)

In the name of the 22d Congress of the CPSU. T. Zolotarev. Znan. sila 36 no. 10:3-5 O '61.

VOLGA HYDROELECTRIC POWER STATION (22d CONGRESS OF THE CPSU)—ARCHITECTURE

Architecture of the structures of the Volga Hydroelectric Power Station (22nd Congress of the CPSU). R IAkubov. Arkhit. SSSR no. 1:6-12 '62.

VOLGA REGION—VALLEYS

On the history of the development of river valleys in the central and lower Volga Valley. V. A. Morozov. Izv. AN SSSR, Ser. geog. no. 6:81-88 N-D '63.

VOLGA RIVER—HYDROFOIL BOATS

Developing rapid transportation in the Volga River Basin. K. Korotkov. Rech. transp. 22 no. 11:16-17 N '63.

VOLGA VALLEY—ANTIQUITIES

Zoomorphic knive haft from the ancient site of Starsheye *Kashirskoye*. V. I. Gulliaev. Krat. soob. Inst. arkheol. no. 94:101-104 '63.

VOLGA VALLEY—CHERNOZEM SOILS

Retention of snow waters in the Chernozem soils of the trans-Volga region. D. I. Burov, D. N. Lukanchev. Pochvovedenie no. 11:78-86 N '63.

VOLGA VALLEY—SOIL FORMATION

Hydrogeological conditions of the formation of dark-colored swampy soils in the southern part of the upper Volga Lowland. L. L. Shishov. Dokl. TSKHA no. 47 227-234 '59.

VOLGA VALLEY—SOIL MOISTURE

Retention of snow waters in the Chernozem soils of the trans-Volga region. D. I. Burov, D. N. Lukanchev. Pochvovedenie no. 11:78-86 N '63.

VOLGA-VYATKA ECONOMIC REGION—SOCIALIST COMPETITION

Bogdanov, I. A. [The power of socialist competition] Sila sorevnovaniia. Moskva, Izd-vo Sovetskaia Rossiia, 1963. 63 p. (Resheniia XXII s"ezda KPSS - v zhizn'!)

VOLGOGRAD—HARBOR

What bothers the Volgograd longshoremen. N. Bakhtin. Rech. transp. 22 no. 10:56-57 O '63.

VOLGOGRAD—LIBRARIES

For high ideological content. I. TSaregradskii. Bibliotekar' no. 11:5-9 N '63

VOLGOGRAD—STEEL INDUSTRY—MANAGEMENT

Improve economic work standards in every way possible. A. Karpov. Plan. khoz. 40 no. 12:32-36 D '63.

VOLGOGRAD—TRACTOR INDUSTRY

Khonei, F. B. [I left America] IA uekhal iz Ameriki. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1962. 176 p.

VOLGOGRAD—TRANSPORTATION, AUTOMOTIVE

Maintenance and permanent repair of motor vehicles in automotive transportation units of the Volgograd Hydroelectric Development. A. Vel'mozhin. Avt. transp. 41 no. 11:19-21 N '63.

VOLGOGRAD PROVINCE—LIBRARIES

District executive committee and libraries. Bibliotekar' no. 11:10-11 N '63.

VOLGOGRAD PROVINCE—MEDICINE, RURAL

Two meetings. Liudmila Kafanova. Zdorov'e 9 no. 10: 7-8 O '63.

VOLGOGRAD PROVINCE—RESTAURANTS, LUNCH-*ROOMS, ETC.*

Our needs. N. Lednev. Obshchestv. pit. no. 8:16-17 Ag '63.

VOLGOGRAD PROVINCE—ZOOLOGY

"Animal world of Volgograd Province" by V. S. Kubanisev, V. IA. Uvarova, N. A. Kosareva. Reviewed by N. V. Shchepot'ev. Zool. zhur. 42 no. 10:1587-1589 '63.

VOLGOGRAD REGION—FOREST SOILS

Effect of forest belts on changes in some features of light-colored Chestnut light loam soil. L. B. Borovinskaia. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 4: 69-79 Jl-Ag '63.

VOLOGDA—ARCHIVES

The province archive today. L. D'iakonitsyn. Volog. krai no. 3:270-274 '62.

VOLOGDA—ASTRONOMY—OBSERVATIONS

Space watchers. A. Poletaev. Volog. krai no. 3:100-105 '62.

VOLOGDA—CONSTRUCTION INDUSTRY

Vologda's new construction projects. Volog. krai no. 3: 97-99 '62.

VOLOGDA—DAIRY SCHOOLS

The 50th anniversary of the Dairy Institute. Volog. krai no. 3:184 '62.

VOLOGDA—GEOGRAPHICAL SOCIETIES

The Vologda Branch of the Geographical Society of the U. S. S. R. in 1960 and 1961. Volog. krai no. 3:322-326 '62.

VOLOGDA—HISTORICAL MUSEUMS

The Vologda Museum is forty years old. N. Rastorgueva. Volog. krai no. 3:276-278 '62.

VOLOGDA—LACE AND LACEMAKING

Moscow. Nauchno-issledovatel'skii institut khudozhestvennoi promyshlennosti. [Vologda lace] Vologodskoe kruzhevo. Moskva, [Goskstrolizdat] 1962. 13 p. plates.
(MH)

VOLOGDA—WINTER

The winter of 1961-1962 in Vologda. N. Antipov. Volog. krai no. 3:154-156 '62.

VOLOGDA GOVERNMENT—SERFDOM

Preparation for the abolition of serfdom in the Vologda Government Committee. A. TSinman. Volog. krai ved. 3:298-308 '62.

VOLOGDA PROVINCE—AGRICULTURAL GEOGRAPHY

Soil and geographical research in Vologda Province. T. Tolokonnikova. Volog. krai no. 3:106-113 '62.

VOLOGDA PROVINCE—AGRICULTURE—AUDITING AND INSPECTION

Balance committees at work. S. G. Kuznetsov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:10 O '63.

VOLOGDA PROVINCE—ARTS AND CRAFTS MOVEMENT

From Abramtsevo to Tot'ma. A. Munin. Volog. krai ved. 3:208-213 '62.

VOLOGDA PROVINCE—BEAVERS

Beavers on our territory. E. Sazhinov. Volog. krai ved. 3:114-126 '62.

VOLOGDA PROVINCE—CITIES AND TOWNS

New city settlements in Vologda Province. V. Veselovskaia. Volog. krai no. 3:60-80 '62.

VOLOGDA PROVINCE—COMMERCE

Vologda export. I. Khatkin. Volog. krai no. 3:20-34 '62.

VOLOGDA PROVINCE—DAIRYING—TECHNOLOGICAL INNOVATIONS

Herringbone arrangement of milking parlors on farms. P. Petukhov. Volog. krai no. 3:16-27 '62.

VOLOGDA PROVINCE—ECONOMIC GEOGRAPHY—MAPS

A school atlas for students. Volog. krai no. 3:181-182 '62.

VOLOGDA PROVINCE—GEOGRAPHY

Comprehensive study of Vologda Province. A. Durov. Volog. krai no. 3:180-181 '62.

VOLOGDA PROVINCE—GEOLOGY

[Geology of the U. S. S. R.] Geologiia SSSR. Glav. red. A. V. Sidorenko. Moskva, Gosgeoltekhizdat.
Vol. 3. [Archangel and Vologda Provinces and the Komi A. S. S. R.] Arkhangel'skaia, Vologodskaia oblasti i Komi ASSR.
Pt. 1. [Geological description] Geologicheskoe opisanie. Red. A. I. Zoricheva, Sored. S. N. Volkov. 1963. 1077 p.

VOLOGDA PROVINCE—HISTORY

Sheets of the native region. A. Liapkina. Volog. krai ved. 3:157-175 '62.

VOLOGDA PROVINCE—INDUSTRIES

Strides of the seven-year plan. K. Aristarkhov. Volog. krai ved. 3:13-17 '62.

VOLOGDA PROVINCE—JUVENILE DELINQUENCY

Let us eliminate the factors and conditions which contribute to juvenile delinquency. A. Karpov. Sots. zakon. 40 no. 10:54-56 O '63.

VOLOGDA PROVINCE—LACE AND LACEMAKING

Heiresses to century-old fame. M. Rekhachev. Volog. krai no. 3:190-207 '62.

VOLOGDA PROVINCE—NATURE STUDY

Sheets of the native region. A. Liapkina. Volog. krai no. 3:157-175 '62.

VOLOGDA PROVINCE—RUSSIAN LANGUAGE—DIALECTS

Study of popular Vologda dialects. T. Panikarovskaia, V. Shitov. Volog. krai no. 3:270-287 '62.

VOLOGDA PROVINCE—SOILS—MAPS

Soil and geographical research in Vologda Province. T. Tolokonnikova. Volog. krai no. 3:106-113 '62.

VOLOKOLAMSK DISTRICT—STOCK AND STOCK-BREEDING—COSTS

Calculating the cost of livestock products. A. Dymov. Bukhg. uchet 20 no. 10:42-44 O '63.

VOLOSHINA, VERA DANILOVNA

Vera, an associate of Zola. N. Poliakov, S. Smirnov. Sov. voin 45 no. 19:20-22 O '63.

VOLTAGE REGULATORS

Analysis of low-voltage transistor voltage regulators. L. G. Kiselev. Mnogokan. izm. sist. v iad. fiz. no. 5:173-185 '63.

Design of a transistorized voltage stabilizer [with summary in English]. L. V. Postnikov, V. E. Liapukhov. Izv. vys. uchob. zav.; radiofiz. 6 no. 4:840-847 '63.

Ferroresonant voltage stabilizer as a reference voltage source with operating temperature from 20 to 250°C. E. A. Andrievskii, V. L. Bondaruk. Vop. pered. inform. 2:139-161 '63.

Gas-discharge stabilizer of direct-current voltages. A. M. Rezikian, K. G. Mnatsakanian, M. Kh. Israelian. Prib. i tekh. eksp. 8 no. 5:139-142 S-O '63.

Thermocompensation of reference voltage sources with silicon voltage stabilizers. V. N. Laskavyi. Izm. tekh. no. 11:40 N '63.

Voltage level suppressors. N. N. Rzhetskii. Izv. vys. ucheb. zav.; radiotekh. 6 no. 5:566-569 S-O '63.

VOLTMETER

Effect of the shape of the voltage curve on the readings of an infralow-frequency average-value voltmeter G. L. Grin. Izm. tekh. no. 12:26-28 D '63.

The Ts430/1 voltmeter. D. Koval'chuk. Radio no. 11:55-56 N '63.

VOLTMETER, ELECTRON-TUBE see Electron-tube voltmeter

VOLYN' PROVINCE—FEEDS

In cooperation with science. F. Kalyta. Nauka i zhyttia 13 no. 10:28-30 N '63.

VOLYN' PROVINCE—GRAPTOLITES

First considerable finds of graptolites in Silurian sediments of western Volyn' and their stratigraphic significance. V. S. Krandyjevs'kyi. Geol. zhur. 23 no. 5:27-41 '63.

VORONETS', PETRO VASYL'OVYCH, 1871-1923

Scientific heritage of P. V. Voronets' (1871-1923). H. M. Savin, T. V. Putiata, B. N. Fradkin. Prykl. mekh. 9 no. 8:891-891 '63.

VORONEZH—AGRICULTURAL COLLEGES

Fiftieth anniversary of the Voronezh Agricultural Institute. Vest. vys. shkoly. 21 no. 11:90 N '63.

VORONEZH—CHILDREN—CARE AND HYGIENE

Daily regimen of schoolchildren in the city of Voronezh. IA. I. Taradin. Trudy Vor. med. inst. 47:110-111 '62.

Results of examining the oral cavity and the teeth of children in some Voronezh kindergartens. IU. I. Ritsheheva. Trudy Vor. med. inst. 47:118-119 '62.

VORONEZH—RUBBER INDUSTRY

Support the creativeness of the masses. A. Kroshilov. Part. zhizn' no. 24:32-33 D '63.

VORONEZH PRESERVE—ANIMAL MIGRATION

Migration of some bat species. S. P. Kameneva, K. K. Panfutin. Okhr. prir. i ozel. no. 3:117-119 '60.

VORONEZH PRESERVE—BATS

Migration of some bat species. S. P. Kameneva, K. K. Panfutin. Okhr. prir. i ozel. no. 3:117-119 '60.

VORONEZH PROVINCE—ADMINISTRATIVE ECONOMIC COUNCILS

Lower administrative territorial and production regionalization; using the example of Voronezh Province. G. T. Grishin, N. I. Pavlenko. Izv. AN SSSR. Ser. geog. no. 6:56-61 N-D '63.

VORONEZH PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

What is an industrial training center? M. Shishifannikov, V. Petropavlovskii. Komsom. zhizn'. no. 22:10-11 N '63.

VORONEZH PROVINCE—BARK BEETLES

Biology of Scolytus sulcifrons Rey (Coleoptera, Ipidae) [with summary in English]. G. V. Lindeman. Zool. zhur. 42 no. 10:1582-1584 '63.

VORONEZH PROVINCE—COOPERATIVE SOCIETIES

Work with people is the main concern. P. Zakhovaev. Sov. potreb. koop. 7 no. 10:17-19 O '63.

VORONEZH PROVINCE—HISTORY—STUDY AND TEACHING

Material on local history in studying the history of the U. S. S. R. in the eighth grade. T. S. Pchel'nikov. Prep. ist. v shkole 16 no. 6:56-61 N-D '63.

VORONEZH PROVINCE—LEAF ROLLERS

Hawthorn leaf roller Cacoecia crataegana Hb. as a mass pest of the oak forests of Voronezh Province [with summary in English]. N. N. Egorov, T. N. Solozhenikina. Zool. zhur. 42 no. 10:1501-1512 '63.

VORONEZH PROVINCE—OAK—DISEASES AND PESTS

Hawthorn leaf roller Cacoecia crataegana Hb. as a mass pest of the oak forests of Voronezh Province [with summary in English]. N. N. Egorov, T. N. Solozhenikina. Zool. zhur. 42 no. 10:1501-1512 '63.

VORONEZH PROVINCE—WOOD BORERS

Ecology and distribution of some little-known insects of the forest steppe zone [with summary in English]. G. V. Lindeman. Zool. zhur. 42 no. 9:1363-1369 '63.

VORONIKHIN, ANDREI NIKIFOROVICH, 1759-1814

Grimm, G. G. [Architect Voronikhin] Arkhitektor Voronikhin. Leningrad, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1963. 168 p.

VOROSHILOVGRAD PROVINCE see Lugansk Province

VORTEX MOTION

Motion of two localized vortexes with an equal circulation in the vicinity of a flat wall. V. M. Bagin. Izv. AN SSSR. Mekh. i mashinostr. no. 5:152-165 S-O '63.

VOSKRESENSK (MOSCOW PROVINCE)—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Staff of the shock construction brigade of a chemical plant. I. Grigor'ev. Komsom. zhizn' no. 20:2-6 O '63.

VOSTOK STATION, ANTARCTICA—ACCLIMATIZATION

Characteristics of breathing in persons spending the winter at the Vostok Station. I. I. Tikhomirov. Inform. biul. Sov. antark. eksp. no. 42:45-48 '63

VOVCHOK, MARKO, pseud. see Markovych, Mariia Olexsandrivna (Vilinskaia), 1834-1907

VOYAGES AND TRAVELS

Bessmertnyi, E. D. [The years of my life; notes of an old seaman] Gody zhizni, zapiski starogo moriaka. Vladivostok, Primorskoe knizhnoe izd-vo, 1963. 229 p.

Kuschak, Andrew. V obitimakh materiv. In mothers' embraces. New York, 1963. 259 p. [Parallel texts in Ukrainian and English]

VOYNILOV DISTRICT—HOSPITALS—OUTPATIENT SERVICES

Dispensary treatment of patients with some surgical diseases in an agricultural region [with summary in English]. S. N. Genyk. Klin. med. 40 no. 11:103-105 N '62.

VOYNILOV DISTRICT—OPERATIONS, SURGICAL

Dispensary treatment of patients with some surgical diseases in an agricultural region [with summary in English]. S. N. Genyk. Klin. med. 40 no. 11:103-105 N '62.

VOZNESENSKII, NIKOLAI ALEKSEEVICH, 1903-1950

Kolotov, V. V., and G. A. Petrovichev. [N. A. Voznesenskii, a biographical sketch] N. A. Voznesenskii, biograficheskii ocherk. Moskva, Politizdat, 1963. 46 p.

Outstanding organizer of socialist planning. Plan. khoz. 40 no. 12:90-91 D '63.

VRUBEL', MIKHAIL ALEKSANDROVICH, 1856-1910

[Vrubel'; correspondence; reminiscences about the artist] Vrubel'; perepiska, vospominaniia o khudozhnike. [Leningrad, Iskusstvo, 1963]. 361 p.

VULVA—DISEASES

Vulvovaginitis in girls. A. T. Tumanian. Fel'd. i akush. 28 no. 11:24-30 N '63.

VULVA—SURGERY

Paravulvar diathermic denervation as a method of treatment of vulvar kraurosis and leukoplakia. E. L. Melamed. Kaz. med. zhur. no. 5:56-58 S-O '63.

VYTEGRA DISTRICT—LIMESTONE

"A hidden treasure" near Vytegra. Volog. krai no. 3:183-184 '62.

WAGE PAYMENT SYSTEMS

Differentiation of workers' wages depending upon the working conditions. R. Batkaev. Sots. trud 8 no. 10:65-70 O '63.

Hourly wages in U. S. S. R. industry. B. Khomeliianskii. Nauch. dokl. vys. shkoly; ekon. nauki 6 no. 6:18-25 '63.

WAGES
(see also subdivision under Russia, Northern)

Book on current wage problems. G. Libman. Nauch. dokl. vys. shkoly, ekon. nauki 6 no. 6:90-94 '63.

Economic incentives of the efficient utilization of productive capacity and capital assets. P. Bunich. Sots. trud 8 no. 10:25-34 O '63.

From the editor's mail. Sots. trud 8 no. 10:124-128 O '63.

In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the All-Union Central Council of Trade Unions. Sots. trud 8 no. 10:141-143 O '63.

Karinskii, S. S. [Legal regulation of wages] Pravovoe regulirovanie zarabotnoi platy. Moskva, Gosiurizdat, 1963. 207 p.

Light industry. Regulation No. 291, November 28, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no. 10:26-37 '63.

The lumbering, woodworking, woodpulp-paper industries, and enterprises manufacturing nonmetal roofing. Regulation No. 244, July 27, 1962 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. Biul. Gos. kom. po vop. truda i zar. platy no. 7:19-28 '63.

Procedure for the distribution of wages to hourly workers. D. Petrushin. Bukhg. uchet 20 no. 5:59-60 My '63.

WAGES (Continued)
Russia (1923- U.S.S.R.) Laws, statutes, etc. [Payments to workers and employees; collection of official materials] Raschety s rabochimi i sluzhashchimi, sbornik ofitsial'nykh materialov. 2., dop. izd. Moskva, Izd-vo "Ukhidicheskaia literatura," 1963. 422 p.
Supplement to the regulation No 1289/29, November 18, 1960 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Secretariat of the All-Union Central Council of Trade Unions "Wages for the workers of district (city) industrial combines which are under the jurisdiction of local soviets of workers deputies" Regulation No. 265/23, September 3, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no 10 5-6 '63

WAGES—COAL MINES AND MINING see subdivision under Lvov-Volyn' Basin

WAGES—CONSTRUCTION WORKERS
(see also subdivision under Leningrad; White Russia)
Conference-seminar of workers on labor in construction organizations. Sots. trud 8 no.10.116-149 O '63.
Procedures for issuing bonuses to the workers, engineering and technical workers and employees of construction and assembly organizations engaged in the building and reconstruction of enterprises manufacturing mineral fertilizers, for carrying out individual assignments. Regulation No. 297, October 1, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. Biul. Gos. kom. po vop. truda i zar. platy no. 10 7-8 '63.
Procedures for paying bonuses to the workers of construction and assembly organizations and projects for fulfilling on time, in the fourth quarter of individual assignments on industrial construction projects. Biul. Gos. kom. po vop. truda i zar. platy no. 11 4-6 '63.

WAGES—COOPERATIVE SOCIETIES
Adoption of the regulation on issuing bonuses to the workers of co-operative societies belonging to the system of provincial, territorial and republic consumer cooperative unions, their procurement offices, trade depots, and consumers' societies. Regulation No. 83/123/16, July 1, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R., the Board of Directors of the Central Union of Consumers' Cooperatives and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no. 7 5-9 '63.
Cooperative economics school. Sov. potreb. koop 7 no.10:50-54 O '63.
New development in the wages to the workers of consumers' cooperatives. IU. Zlokazov. Sots. trud 8 no.10:71-75 O '63.

WAGES—ELECTRICIANS
Wages for electricians. Sel'. mekh. no.10:35 O '63.

WAGES—FISHERIES
The fishing industry. Regulation No. 170, June 28, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. Biul. Gos. kom. po vop. truda i zar. platy no. 7 26-32 '63.

WAGES—GRAIN ELEVATORS
The flour, groat and feed-milling industry, and grain products enterprises. Regulation No. 180, June 28, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. Biul. Gos. kom. po vop. truda i zar. platy no. 7 32-38 '63.

WAGES—GRAIN MILLING
The flour, groat and feed-milling industry, and grain products enterprises. Regulation No. 180, June 28, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. Biul. Gos. kom. po vop. truda i zar. platy no. 7:32-38 '63.

WAGES—HIGHWAY TRANSPORT WORKERS
Wages for drivers and repair workers. Avt. transp. 41 no. 11 39-41 N '63.

WAGES—HUNTING
Wage system for the workers of state game farms of the Main Hunting and Preserve Administration attached to the Council of Ministers of the R.S.F.S.R. Regulation No. 270, September 7, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. Biul. Gos. kom. po vop. truda i zar. platy no. 10:3-4 '63.

WAGES—LONGSHOREMEN
According to new norms. Mor. flot 23 no. 11:16 N '63.
Extention of the temporary regulation on wage payment conditions for mixed brigade workers engaged in loading and unloading work in river ports. Biul. Gos. kom. po vop. truda i zar. platy no. 11 3 '63.

WAGES—MINERAL INDUSTRIES see subdivision under Ukraine

WAGES—PROSPECTING see subdivision under Kazakhstan

WAGES—RAILROADS
Wages for locomotive depot workers engaged in the repair and adjustment of new types of locomotives. Explanation No. 16, June 12, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. Biul. Gos. kom. po vop truda i zar. platy no. 7, 4 '63.

WAGES—RESTAURANTS, LUNCHROOMS, ETC.
Accounting for the total time of work in seasonal enterprises. G. IAmenfel'd Obshchestv. pit. no. 6 55-57 Je '63.

WAGES—SUBMARINE DIVING
Wage payment procedures for divers in transferring them to non-specialized work in connection with idle time and in case they stay under water less than 25 hours per month. Explanation No. 15/15, June 13, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the Secretariat of the All-Union Central Council of Trade Unions. Biul. Gos. kom. po vop. truda i zar. platy no. 7, 3 '63.

WAGES—TEXTILE WORKERS
The textile industry. Regulation No. 202, September 28, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. Biul. Gos. kom po vop. truda i zar. platy no 10 38-44 '63.

WAGES—TRANSPORTATION, AUTOMOTIVE
Annoying deficiencies of a useful book. T. Deviatkin. Sots. trud 8 no.10 155-157 O '63.
Answers to questions of automotive transportation workers. Sots. trud 8 no 10 139-140 O '63.
Automobile transportation Regulation No 300, October 2, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. Biul. Gos. kom. po vop. truda i zar. platy no 10:12-25 '63.
For a wider introduction of centralized freight conveyance. V. Kuregian. Sots. trud 8 no.10:121-123 O '63.

WAGES AND LABOR PRODUCTIVITY
Labor productivity and wages. V. Savost'ianov. Plan. khoz. 40 no.11.82-86 N '63.

WAITERS
Courses for headwaiters; achievements and difficulties. N. Rogankov. Obshchestv. pit. no.8:21-22 Ag '63.

WALL NEWSPAPERS
(see also subdivision under Smolensk Province)
From the first to the last line. V. Rozentuller, M. Kachurin. Nar. obr. no. 9:88-90 S '63.

WALLS
Heat transfer and humidity characteristics of exterior brick guard walls. V. V. Kovalev. Izv. vys. ucheb. zav.; energ. 6 no.10:83-91 O '63.

WALNUT see subdivision under Nikol'sk region (Vologda region)

WALRUSES see subdivision under Laptev Sea

WAR
[Tractates on eternal peace] Traktaty o vechnom mire. Moskva, Sotsekgiz, 1963. 277 p.

WAR AND SOCIALISM
For the purity of Marxist-Leninist theory. B. Lunin. Part. zhizn' (Uzb.) 6 no.10:55-61 O '63.
The living soul of Marxism. V. Agarkov. Mol. komm. no. 9.18-23 S '63.

WAR CRIME TRIALS see subdivision under Germany, East

WAR CRIMINALS
We saw them in our gun sight.... Vladimir Pavlov. Ogonek 41 no. 43:30-31 O '63.

WAR IN LITERATURE
Man at war; remarks of a critic. A. Kondratovich. Nov mir 38 no. 6:216-226 Je '62.

WAR MEMORIALS see subdivision under Leningrad

WARSAW—PLASTICS—WELDING
Machines for welding of plastics ("Elektrim," Warsaw). Plast. massy no. 11:72 '63.

WASHERS (MECHANICAL ENGINEERING)
Machine for cutting out washers. V. F. Golenko. Sudostroenie 29 no. 11:66-67 N '63.
Using Tresk-Saint Venant criterium and associated with it flow law for the calculation of washers beyond the elastic limit. T. M. Makhonina. Rasch. na prochn. no. 9 219-230 '63.

WASILEWSKA, WANDA, 1905-
Poetic landscapes by Wanda Wasilewska. L. M. Vengerov. Mizhslov. lit. vzaiem. no. 3:290-306 '63.

WASTE, DISPOSAL OF see Industrial wastes

WASTE PAPER
Textbook on the accounting for paper stock resources and their utilization D. S Dobrovol'skii, I. M. Kuzichkin. Bum. prom 38 no. 11.30 N '63.

WASTE PRODUCTS
Improve the accounting for rejects in production. V. Chaikin. Bukhg. uchet 29 no 5 13-19 My '63.

WATER
Effect of water on the solubility of nystatin in lower alcohols [with summary in English]. G. I Kleiner, N V Ionova Antibiotiki 7 no. 10 926-929 O '62.
Electrolysis of water under pressure. IA. S. Lapin. Khim. prom. no. 8.600-607 Ag '63.
Georgiev, I. G., and D. V. Zharkovskii. [Fuel, lubricants, and water] Toplivo, smazochnye materialy i voda; uchebnoe posobie Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 234 p.

WATER—ANALYSIS
Comparative characteristics of some most sensitive methods for determining iodine in water. G. F. Proskurinkova, R. V. Shveikina, M. S. Chernavina. Izv. vys. ucheb. zav., khim. i khim. tekh. 6 no. 5 729-731 '63.

WATER—CHLORINATION
Elimination of the influence of high-boiling fractions from the synthesis of isoprene rubber on the organoleptic properties of water. K. V. Zubritskii. Trudy Vor. med. inst. 47.41-46 '62.

WATER—COMPOSITION see subdivision under Baikal Lake region, Irkutsk Province

WATER—POLLUTION
(see also subdivision under Stavropol)
Combined effect of nekal and some other organic compounds on the biochemical processes in polluted waters. IA. I. Taradin. Trudy Vor. med. inst. 47:27-33 '62.
Effect of the simultaneous presence of styrene and nekal on the flavor of water. V. A. Makrinov. Trudy Vor. med. inst. 47 34-35 '62.
Establishing hygienic standards for the concentration of the ethylbenzene, styrene, and nekal complex in the water of reservoirs. A. S. Faustov, K. V. Zubritskii. Trudy Vor. med. inst. 47.36-37 '62.
Possibility of benthonic sedimentation of resin resulting from the discharge of waste water from the production of synthetic rubber into a reservoir. V. A. Ivanov, N. M Stepanova. Trudy Vor. med. inst. 47:19-22 '62.
Sanitary toxicological characteristics of isoprene dimers. V. A. Makrinov. Trudy Vor. med. inst. 47:11-18 '62.
Use of empirical formulas in establishing maximal permissible concentrations of organic substances in the water of reservoirs. IA. I. Taradin, A. S. Faustov. Trudy Vor. med. inst. 47.38-40 '62.

WATER—PURIFICATION
Silver water. L. Kul'skyi. Nauka i zhyttia 13 no. 10: 46 N '63.

WATER (IN RELIGION, FOLKLORE, ETC.) see subdivision under Turkmenistan

WATER, UNDERGROUND
(see also subdivision under Azerbaijan; Carpathian Mountain region; Caucasus, Northern; Chu Valley; Gorodishche District, Volgograd Province; Polesye; Siberia; Tashkent Province; Zaunguzskiye Karakumy)
Nonsteady movement of marginal and bottom waters in creating and exploiting underground gas reservoirs in water-bearing formations with an elastic drive. P. K. Stradymov, V. N. Smirnov. Izv. vys. uchab. zav.; neft' i gaz 4 no. 12:65-71 '61.
Some conditions for fresh ground water accumulation in sandy deserts. I. IA. Davydov. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:84-90 '62.

WATER, UNDERGROUND—OXYGEN CONTENT see subdivision under Kolias District

WATER BIRDS see subdivision under Akgel', Lake

WATER HAMMER
Results of the calculations of a water hammer by the effective curves of the shutting-off of turbine deflectors. G. E. Avtonomov, N. A. Kartvelishvili, I. A. Chorniatin. Izv. AN SSSR. Mekh. i mashinostr. no. 5:155-159 S-O '63.

WATER HEATERS
Moscow. Gosudarstvennyi proektnyi institut Santekhproekt. [Album of equipment; condensate outlets] Al'bom oborudovaniia; kondensatootvodchiki. Moskva, 1963. 33 p.

WATER IN THE BODY

Gaisinskii, A. G. [Physiological mechanisms of water and salt balance] Fiziologicheskie mekhanizmy vodno-solevogo ravnovesiia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 428 p.

WATER METABOLISM

Water and salt metabolism in thermal dehydration [with summary in English]. L. Gata. Gig. truda i prof. zab. 7 no. 1 36-41 Ja '63.

Water-salt metabolism [with summary in English]. S.IA. Shteinberg. Vrach. delo no. 11:3-8 N '63

WATER RESOURCES DEVELOPMENT
(see also subdivision under India; Kazakhstan; Ural Mountain region)

Fire water. Sov. Soiuz no. 11:13-15 '63.

Waves of the new "neon." Agitator no. 21:25-26 N '63.

WATER SUPPLY
(see also subdivision under Kazakhstan)

Continuous periodicity of a hydrological process as a methodological basis for water supply calculations. V. P. Zakharov, V. IA. Kim. Probl. gidroenerg. i vod. khoz. no. 1:73-100 '63.

Determination of the transmitting capacity of the bed having walls with different roughnesses in the transverse plane. L. D. Denisenko. Izv. vys. ucheb. zav.; energ. 6 no. 9:103-107 S '63.

Elementary theory of infinitely bounded distributions. V. P. Zakharov, V. IA. Kim. Probl. gidroenerg. i vod. khoz. no. 1:51-72 '63.

Establishment of rational limits for regulating runoff. N. S. Kalachov. Probl. gidroenerg. i vod. khoz. no. 1: 101-119 '63.

Problem concerning the construction of generalized graphs for calculating river runoff regulations over a period of years. D. Mumatkanov, I. P. Druzhinin. Probl. gidroenerg. i vod. khoz. no. 1:199-208 '63.

WATER SUPPLY, RURAL

Method of efficient utilization of low-yielding water-bearing beds in the desert as exemplified by the pastures in Bet-Pak-Dala and the desert of Sary-Arka. F. G. Getts. Vest. sel'khoz. nauki [Kazakh.] 6 no. 9: 61-74 S '63.

WATER-SUPPLY ENGINEERING

Abramov, N. N. [Long-distance water supply] Peredacha vody na dal'nie rasstoianiia. Moskva, Gosstroiizdat, 1963. 211 p.

Borodin, I. V. [Technology of the construction of water-supply and sewage installations] Tekhnologiia stroitel'stva vodoprovodno-kanalizatsionnykh sooruzhenii. Izd. 2., perer. i dop. Moskva, Gosstroiizdat, 1963. 374 p.

WATER-SUPPLY ENGINEERING, LOW TEMPERATURE
see subdivision under Yakutsk

WATERMARKS

Gerasimov, A. A. [Watermarks of the 17th century in paper of manuscript and printed documents of Russian origin] Filigrani XVII veka na bumage rukopisnykh i pechatnykh dokumentov russkogo proiskhozhdeniia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 256 p.

WATERPROOFING

Curing of "hydrophobia." V. Losov. Tekh. mol. 31 no. 8:9 '63.

Waterproof blanket. M. S. Karimov. Put' i put. khoz. 7 no. 12:6-8 '63.

Waterproofing the foundation of poles of contact networks. F. M. Ivanov, A. A. Smol'ianinov, V. L. Solntseva. Transp. stroi. 13 no. 9:51-54 S '63.

WATTMETER

High-frequency wattmeter with nonlinear resistances. Ian Khmurny. Izv. vys. ucheb. zav.; radiotekh. 6 no. 5:467-475 S-O '63.

WATTMETER—TESTING

Error in checking three-phase two-coil wattmeters by two single-phase standard wattmeters. A. M. Ilinskii. Izm. tekh. no. 11:36-38 N '63.

WAVE GUIDES

"Decay" type of wave instability in plasma wave guides. A. N. Kondratenko. Zhur. tekh. fiz. 33 no. 11:1397-1399 N '63.

Efficient regulated ferrite phase shifters. IU. V. Egorov Izv. LETI no. 47:73-85 '62.

Ferroelectric substances with regulated specific inductive capacitance in a wave guide. IU. M. Poplavko. Radiotekhnika 18 no. 10:22-29 O '63.

Gyrotropic excitation of a helical line. K. P. Ivanov. Radiotekh. i elektron. 8 no. 12:2082-2084 D '63.

Longitudinally-transverse waves in a rectangular waveguide filled with two different media. IU. V. Egorov. Izv. LETI no. 47:86-97 '62.

New era in power engineering. V. Bolko. Nar. khoz. Kazakh. 21 no. 9:71-73 S '63.

Propagation of an H_{11} wave in a round waveguide filled with gyrotropic plasma in the finite section of its length. A. G. Sveshnikov, V. P. Modenov. Radiotekh. i elektron 8 no. 12:1998-2005 D '63.

Propagation of spiral H_{nm}-waves in a helical wave guide in the absence of radiation [with summary in English]. L. B. Shtrapenin. Izv. vys. ucheb. zav., radiofiz. 6 no. 5:1003-1007 '63.

Types and characteristics of waves in a circular septate wave guide. N. M. Chirkin. Izv. vys. ucheb. zav., radiotekh. 6 no. 5:502-506 S-O '63.

Uneven mechanical connection of rectangular wave guides in the H-plane. A. I. Tershchenko, A. G. Shein. Izv. vys. ucheb. zav., radiotekh. 6 no. 5:476-482 S-O '63.

WAVE MECHANICS

Unsteady wave diffraction about a slot. E. F. Afanas'ev. Inzh. zhur. 3 no. 4:638-644 '63.

WAVES

Effect of roughness of the bottom on waves in shallow waters. A. M. Zhukovets. Izv. AN SSSR, Ser. geofiz. no. 10:1561-1570 O '63.

Kinetics of waves in a plasma. G. I. Suramishvili. Dokl. AN SSSR 153 no. 2 317-320 N '63.

Swell, head wind, and microseisms. V. N. Tabulevich. Izv. AN SSSR, Ser. geofiz. no. 11:1667-1675 N '63.

WEATHER FORECASTING
(see also subdivision under Moscow Province, Polar regions)

Forecasting jet streams. N. N. Bel'skaia. Trudy TSIP no. 125:3-12 '63.

A nonadiabatic model of atmospheric motions utilizing the results of radiation measurements from satellites. M. E. Shvets, B. E. Shneerov. Dokl. AN SSSR 152 no. 3: 588-591 S '63.

Preliminary results of testing some forecasting methods of the evolution and transference of surface cyclones and anticyclones suggested by the U S A. A. N. Mertsalov. Trudy TSIP no. 125:10-35 '63.

Results of testing forecasting methods of the geopotential heights of isobaric surface 200 mb. V. I Zhiltsova. Trudy TSIP no. 125:13-18 '63.

WEATHERING

Zonal characteristics of the weathering of mountain rocks and the formation of secondary fine-grained minerals. I. N. Antipov-Karataev, I. G. TSiurupa. Pochvovedenie no. 10:14-22 O '63.

WEAVING see subdivision under Azerbaijan

WEDGES

Stresses in an equilateral wedge with rectangular cross section subjected to straight bending. E. N. Tikhomirov. Rasch. na prochn. no. 9:18-33 '63.

WEED CONTROL
(see also subdivision under Virgin Territory)

Chemical weed control in forest plantations by triazine derivatives. N. M. Pankratova. Les. khoz. 16 no. 9: 30-44 S '63.

Chesalin, G. A. [Cultivation and chemical measures in weed control] Agrotekhnicheskie i khimicheskie mery bor'by s sornniakami. Moskva, Sel'khozizdat, 1963. 214 p.
(DNAL)

WEED CONTROL—BIBLIOGRAPHY see Bibliography—Weed control

WEED KILLERS see Herbicides

WEEDS

Potential fertility of weeds [with summaries in English, German, and French]. S. A. Kott. Vest. sel'khoz. nauki 8 no. 6:37-42 Je '63.

WEIGHT LIFTING

Analyzing the training of juvenile weight lifters. V. G. Goncharov. Probl. fiz. sporta no. 2:97-120 '61.

Effect of weight lifting on the health and physical development of adolescents and young people. B. E. Podskotskii. Probl. fiz. sporta no. 2:120-134 '61.

Falameev, A. I. [How to become healthy, strong and handsome; advices, lessons and exercises for dumbell, weight and bar gymnastics at home] Kak stat' zdorovym, sil'nym i krasivym; sovety, uroki i uprazhneniia dlia zaniatsiushchikhsia s ganteliami, giriami i shtangoi v domashnikh usloviiakh. [Leningrad] Lenizdat, 1963. 94 p.

WEIGHTLESSNESS

Ground experiments with weightless liquids. V. V. Shuleikin. Dokl. AN SSSR 152 no. 5:1062-1065 O '63.

WEIGHTLESSNESS—EXPERIMENTS

Experiments in weightlessness. I. V. Kozheurov. Fiz. v shkole 23 no. 3:55-58 My-Je '63.

WEIGHTS AND MEASURES

Burdun, G. D. [Units of physical quantities] Edinitsy fizicheskikh velichin. Izd. 3., dop. Moskva, Standartgiz, 1963. 185 p.

"Measurement units and designations of physical and technical quantities." Handbook for workers of publishing houses and authors. E. A. Domogatskaia, E. S Asianova. Izv. AN SSSR Mekh. i mashinostr. no. 5 208 S-O '63.

Nikonorov, N. M., A. V. Marsov, and P. E. Ermakov. [Handbook on laboratory weighing instruments and weights] Spravochnik po laboratornym vesam i giriam. Moskva, Mashgiz, 1963. 191 p illus

WEIGHTS AND MEASURES—TABLES, ETC

Shirokov, K. P., ed. [Tables for the conversion of measurement units] Tablitsy perevoda edinits izmerenii. [By] M. G. Boguslavskii i dr. Moskva, Standartgiz, 1963. 116 p.

WEIGHTS AND MEASURES—TESTING

Develop departmental inspection of measuring equipment. M. D. Kalennikov. Izm. tekn. no. 10 59-60 O '63.

New instructions on the testing of measures and measuring instruments. Izm tekh no 12 57 D '63

WELDING
(see also subdivision under Ural Mountain region)

ASID-3m servomechanism for the welding of thin nonmagnetic materials. N. S. L'vov, A. P Igoshin. Svar. proizv. no. 6 34-36 Je '63.

Dalidchik, I. D. [Progressive methods of metal welding] Progressivnye metody svarki metallov, uchebnoe posobie. [n. p.] Rosvuzizdat, 1963. 57 p

Mechanization of the welding work. R. A. Gutman. Zhel. dor. transp. 45 no. 11 71 N '63.

WELDING—DEFECTS

Conditions of the formation of cracks in welded structures and their classification V. D. Matskevich. Trudy LKI. no. 36 19-27 '62.

WELDING—EQUIPMENT AND SUPPLIES

GS-3 self-propelled hydraulic device. A. B. Lokosov, D. M. Neishtadt Svar. proizv. no. 6 36-38 Je '63.

International exhibition of welding equipment in London. I. L Sushchuk-Sliusarenko, V. S. Vasiuchkov. Avtom. svar. 16 no. 10:90-96 O '63.

Welding equipment at the Exhibition of the Achievements of the National Economy of the U.S.S.R. in 1962. K. I. Bocva. Svar. proizv. no. 6 43-47 Je '63.

WELDING—TESTING

Fatigue strength of unilaterally welded joints G. Z. Zaitsev, N. E. Naumchenkov, IA. L. Minkov Svar. proizv. no. 6:26-29 Je '63.

Methods for measuring the dimensions of defects in welded joints. A. Z. Raikhman. Zav. lab. 29 no. 10 1186-1188 '63.

Ultrasonic method for controlling weld seams in thin-walled tubes. IA. F. Anikeev. Zav. lab. 29 no. 10: 1191-1193 '63.

WELDING, GAS see Gas welding and cutting

WELDING RESEARCH

Scientific Council on welding problems. Avtom. svar. 16 no. 10:96 O '63.

WELDING RODS

Fountain pen welder. I. Symonovych. Znan. ta pratsia no. 10 31 O '63.

WELLS

Exploratory-production water wells. V. P. Poller. Transp. stroi. 13 no. 9 64-65 S '63.

Pipeless method for pumping water from bored wells. N. Dobrolubov. Tekh. v sel'khoz. 23 no. 9:40-41 S '63.

Using shell-rock filters in drill holes for experimental pumping. A. K. Alimov. Za tekh. prog. 3 no. 7:36-37 Jl '63.

WELLS, HERBERT GEORGE, 1866-1946

Kagarlitskii, IU. I. [Herbert Wells; an account of his life and works] Gerbert Uells; ocherk zhizni i tvorchestva. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 276 p.

WEST GERMANY see Germany, West

WEST INDIES—LITERATURES

Tempest and calm in the Caribbean Sea. B. Gal'perina. Vop. lit. 7 no. 10: 80-108 O '63.

WEST KAZAKHSTAN TERRITORY—SHIPS—MAINTENANCE AND REPAIR

Strengthen the ship-repairing base. S. Kazhenbaev. Nar. khoz. Kazakh. 21 no. 8:61 S '63.

WEST KAZAKHSTAN TERRITORY—SUGGESTION SYSTEMS

Raise the alarm! M. Adaibekov, E. Zhitnikova, T. Bogdanova. Nar. khoz. Kazakh. 21 no. 8.3-12 S '63.

WEST KAZAKHSTAN TERRITORY—TECHNOLOGICAL INNOVATIONS

Raise the alarm! M. Adaibekov, E. Zhitnikova, T. Bogdanova. Nar. khoz. Kazakh. 21 no. 9:3-12 S '63.

WEST KOPETDAG—CLAY

New find of Oncophora layers in west Kopet-Dag. M. M. Sudo. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:109-111 '62

WEST KOPETDAG—GEOLOGY, STRUCTURAL

Age of the Turonian strata in the region of Sindzhou mountain (West Kopet-Dag). L. D. Litchenko. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1 120-122 '62.

WEST SIBERIAN PLAIN—GEOLOGY, STRATIGRAPHIC

Shumilova, E. V. [Terrigenous components of Mesozoic and Cenozoic sediments in the West Siberian Plain and their role in paleogeographic reconstructions] Terrigennye komponenty mezozoiskikh i kainozoiskikh otlozhenii Zapadno-Sibirskoi nizmennosti i ikh rol' v paleogeograficheskikh rekonstruktsiiakh. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 313 p.
__ __ __ Maps, diagrs.

WEST SIBERIAN PLAIN—NATURAL HISTORY

[West Siberian Plain; a study of its natural history] Zapadno-Sibirskaia nizmennost', ocherk prirody. [By] D. L. Abramovich i dr. Moskva, Geografgiz, 1963 201 p.

WEST SIBERIAN PLAIN—PALEOGEOGRAPHY

Shumilova, E. V. [Terrigenous components of Mesozoic and Cenozoic sediments in the West Siberian Plain and their role in paleogeographic reconstructions] Terrigennye komponenty mezozoiskikh i kainozoiskikh otlozhenii Zapadno-Sibirskoi nizmennosti i ikh rol' v paleogeograficheskikh rekonstruktsiiakh. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1963. 313 p.
__ __ __ Maps, diagrs.

WESTERN EUROPE see Europe, Western

WESTERN SIBERIA see Siberia, Western

WETTING AGENTS

Wetting agents in the charge of fire extinguishers. M. Kazakov, V. Karpov. Pozh. delo 9 no. 10,23-25 O '63.

WHALE OIL

Processing of whale oil. V. F. Gladkaia and others. Masl.-zhir. prom. 29 no. 11:43-46 N '63.

Successful substitute. N. IUt, S. Laskavaia. Mest. prom. i khud. promys. 3 no. 9:32-33 S '62

WHALE PRODUCTS

Bodrov, V. A., and S. N. Grigor'ev. [Processing of raw whale products on whale factory ships] Pererabotka kitovogo syr'ia na kitobazakh. Moskva, Pishchepromizdat, 1963. 362 p.

WHALERS

Bodrov, V. A., and S. N. Grigor'ev. [Processing of raw whale products on whale factory ships] Pererabotka kitovogo syr'ia na kitobazakh. Moskva, Pishchepromizdat, 1963. 362 p.

WHALES

Did the cetaceans possess hind legs? V. A. Zemskii. Okhr. prir. i ozel. no. 3:106-107 '60.

Present whale stock in the world ocean and measures for its protection. S. K. Klumov. Okhr. prir. i ozel. no. 3:53-80 '60.

WHEAT
(see also subdivision under Alma-Ata Province; Irkutsk Province)

Physical criteria for the evaluation of wheat and its technological properties [with summaries in English, German, and French]. A. M. Bratukhin. Vest. sel'khoz. nauki 8 no. 6:126-127 Je '63.

WHEAT—ANALYSIS

Methods of determining the yield of gluten. Trudy VNIIZ no. 43:5-19 '63.

WHEAT—DISEASE AND PEST RESISTANCE

Gamma irradiation of seeds before sowing increases the resistance of winter wheat to smut [with summaries in English, German, and French]. M. M. TSymbal, V. A. Chizh. Vest. sel'khoz. nauki 8 no. 6:55-57 Je '63.

WHEAT—DRYING

Change of the quality of moist wheat as a result of intensified drying. A. P. Gerzhoi and others. Trudy VNIIZ no. 43:157-164 '63.

WHEAT—FERTILIZERS AND MANURES
(see also subdivision under East Kazakhstan Province)

Effect of various types and amounts of fertilizers on the flowering of winter wheat [with summaries in English, German, and French]. P. F. Sakun. Vest. sel'khoz. nauki 8 no. 6:43-47 Je '63.

Using the waste products from the Dneprodzerzhinsk Nitrogen Fertilizer Plant as phosphate fertilizer. A. V. Peterburgskii, Kh. P. Pekenio. Dokl. TSKHA no. 87 71-75 '59.

WHEAT—STORAGE

Caking and changing of the flavor of dry wheat and rye during storage. V. V. Makarov, A. P. Prokhorova. Trudy VNIIZ no. 43:95-116 '63.

Using sodium pyrosulfite and pyrosulfate for preserving wheat for food. N. I. Sosedov and others. Trudy VNIIZ no. 43 165-173 '63.

WHEAT MILLING

Preparation of raw materials for the production of wheat starch. D. R. Abragam. Trudy TSNIIKPP no. 6,5-12 '63.

WHEELS—TESTING

"Collector for dynamic measurements of the stresses and temperatures of wheel pairs in motion." B. M. Sal'man [Sbor. trud.] RIIZHT no. 32,231-238 '61.

WHITE RUSSIA—AGRICULTURAL ADMINISTRATION

Stress the role of production administration councils. F. Sunganov. Part. zhizn' no. 23;37-42 D '63.

WHITE RUSSIA—AGRICULTURE

This year's grain. Belarus' 20 no. 9:1 S '63.

WHITE RUSSIA—CATHOLIC CHURCH

You cannot force them to accept the customs of the past. Viktar Lukashenka. Rab. i sial. 39 no. 10,17 O '63.

WHITE RUSSIA—CHEMICAL INDUSTRIES

The large-scale chemical industry of White Russia. Belarus' 20 no. 11:2-3 N '63.

WHITE RUSSIA—CIVIC CENTERS

Zaslavskii, E. L. [Civic centers in inhabited areas in the districts of the White Russian S. S. R., planning and construction] Obshchestvennye tsentry raionnykh naselennykh mest BSSR; planirovka i zastroika. Moskva, Gosstroiizdat, 1963. 102 p.

WHITE RUSSIA—COLLECTIVE FARMS

German, K. K. [Role of White Russian workers in the triumph of the collective farm system, 1929-1934] Rol' rabochego klassa v pobede kolkhoznogo stroia v Belorussii, 1929-1934 gg. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 93 p.

WHITE RUSSIA—CLOTHING INDUSTRY

Training, selection and distribution of specialists in the clothing industry of White Russia. I. T. Savel'ev, Shvein. prom. no. 5:16-18 S-O '63.

WHITE RUSSIA—COMMUNITY CENTERS

They serve our people with enthusiasm. M. Staliarou. Belarus' 20 no. 11:14-15 N '63.

WHITE RUSSIA—CONSTRUCTION INDUSTRY

Improving large-panel housing construction in the White Russian S. S. R. N. S. Zarovkina, V. V. Minkevich, N. S. Nitievskii. Bet. i zhel.-bet. 9 no. 10:441-446 O '63.

WHITE RUSSIA—CULTURE

Dudarava, T. IA. [Cultural and technological growth of the working class of White Russia after the 22d Congress of the CPSU] Kul'turna-tekhnichny rost rabochaha klasa Belarusi paslia XX z"ezda KPSS. Minsk, Dziarzh vyd. BSSR, 1963. 108 p.

WHITE RUSSIA—ECONOMIC CONDITIONS

The lights of Leninist ideas. B. Ustsinau. Belarus' 20 no. 10:2-3 O '63.

This is what the October Revolution has brought us. Rab. i sial. 39 no. 10;2 of cover-1 O '63.

WHITE RUSSIA—ECONOMIC POLICY

Maksimov, L. G. [The young will build communism] Kamunizm budavats' maladym. Minsk, Derzh. vyd-va BSSR, 1962. 37 p. (Bibliiatechka kamsamol'skaha aktyvista)

WHITE RUSSIA—ENCEPHALITIS

Data for the study of tick-borne encephalitis in White Russia. Report No. 1: Course of experimental infection in rhesus macagne monkeys [with summary in English] V. I. Votiakov. Vop. virus. 8 no. 2:184-189 Mr-Ap '63.

WHITE RUSSIA—ENDOCRINOLOGICAL RESEARCH

Activities of the White Russian Endocrinological Society in 1962. V. P. Gritskevich. Probl. endok. i gorm. 9 no. 5:125-126 S-O '63.

WHITE RUSSIA—ENSEMBLES (MUSIC)

White Russian melodies. Z. Nastsenka. Belarus' 20 no. 11:19 N '63.

WHITE RUSSIA—FARMS—VALUATION

Economic land valuation in the White Russian S. S. R. I. Cherniavskii, L. Surovyi. Ekon. sel'khoz. 34 no. 11: 97-100 N '63.

WHITE RUSSIA—FERTILIZER INDUSTRY

The large-scale chemical industry of White Russia. Belarus' 20 no. 11:2-3 N '63.

WHITE RUSSIA—FERTILIZERS AND MANURES

Alekseichik, N. A. [Mechanization of the production and use of local fertilizers] Mekhanizatsiia proizvodstva i vnesenila mestnykh udobrenii Minsk, Gos izd-vo sel'skokhoziaistvennoi lit-ry BSSR, 1963 202 p.
(DNAL)

WHITE RUSSIA—FISHPONDS

High yields of our fish ponds. M. Dosin. Belarus' 20 no. 10 20-21 O '63.

WHITE RUSSIA—FOREST ECOLOGY

Sautin, V. I., and P. N. Raiko. [Guide to the forest types of White Russia] Opredelitel' tipov lesa BSSR. Minsk, Gos izd-vo sel'khoz. lit-ry BSSR, 1963. 201 p. illus.

WHITE RUSSIA—FRUIT CULTURE

A man and his orchard. N. Navitskaia. Belarus' 20 no. 11:18 '63.

WHITE RUSSIA—HANDICRAFT

Ignatenko, A. P. [Handicraft in the cities of White Russia in the 17th and 18th centuries] Remeslennoe proizvodstvo v gorodakh Belorussii v XVII-XVIII vv. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 87 p.

WHITE RUSSIA—HISTORY

Baranova, M. P., and N. G. Pavlova. [History of the White Russian S. S. R.] Istoriia BSSR, uchebnoe posobie dlia uchashchikhsia VII-VIII klassov vos'miletnei shkoly. Pod red. N. V. Kamenskoi. Izd. 2. Minsk, Gos. uchebno-pedagog. izd-vo M-va prosv. BSSR, 1963. 113 p.

Celebration of the anniversary of V. I. Lenin's death in western White Russia. A. N. Pleshevenia. Ist. arkh. 8 no. 3:193-194 My-Je '62.

Matsko, A. N. [Fight of the workers of Poland and western White Russia against fascism, 1933-1939] Bor'ba trudiashchikhsia Pol'shi i Zapadnoi Belorussii protiv fashizma, 1933-1939 gg. Minsk, Izd-vo Akad. nauk BSSR, 1963. 204 p.

Organization and work of the Commissariat of the White Russian Nation, 1918-1919. V. A. Krutalevich. Ist. SSSR 7 no. 6:115-126 N-D '63.

WHITE RUSSIA—INDUSTRIES

Precelebration presents. Belarus' 20 no. 10:1 O '63.

WHITE RUSSIA—IRON AGE

Early Iron Age monuments of southeastern White Russia; the Milograd Culture. O. N. Mel'nikovskaia. Krat. soob. Inst. arkheol. no. 94:9-19 '63.

WHITE RUSSIA—LABOR AND LABORING CLASSES—EDUCATION

Dudarava, T. IA. [Cultural and technological growth of the working class of White Russia after the 22d Congress of the CPSU] Kul'turna-tekhnichny rost rabochaha klasa Belarusi paslia XX z"ezda KPSS. Minsk, Dziarzhvyd. BSSR, 1963. 108 p.

Grak, K. K. [Ideological work of the Communist Party of White Russia during the first years after the war, 1945-1946] Ideologicheskaia rabota KPB v pervye poslevoennyo gody; 1945-1946 gg. Minsk, Izd-vo MVSS i PO BSSR, 1963. 52 p.

WHITE RUSSIA—LABOR PRODUCTIVITY—AUDIO VISUAL AIDS

Fighting weapons. V. Borushko. Agitator no. 22:38-39 N '63.

WHITE RUSSIA—LECTURES AND LECTURING

Disseminate the live word among people. M. Zalesskii. Sov. profsoiuzy 19 no. 18:25-26 S '63.

WHITE RUSSIA—MACHINERY INDUSTRY

Lobatenko, N. G. [Along the road of great initiative] Po puti velikogo pochina. Minsk, Izd-vo Akad. nauk BSSR, 1963. 186 p.

WHITE RUSSIA—MATHEMATICAL MODELS

From practice in preparing matrix models for planning in the White Russian S. S. R. S. Malinin, M. Ippa, IU. Rozental'. Plan. khoz. 40 no. 12:48-52 D '63.

WHITE RUSSIA—METALS

Conference on the prospects of metal potential of the crystalline massif of the White Russian S. S. R. Geol. zhur. 23 no. 5:111-112 '63.

WHITE RUSSIA—MILLET

Zhuravel', B. N. [Millet growing in White Russia] Kul'tura prosa v BSSR. Minsk, Gos. izd-vo sel'skokhoziaistvennoi lit-ry BSSR, 1963. 42 p.
(DNAL)

WHITE RUSSIA—NATURE IN LITERATURE

"Let us tell you about our country's nature." Reviewed by B. Piarkouski. Belarus' 20 no. 10:29 O '63.

WHITE RUSSIA—PINE—DISEASES AND PESTS

Losses in the increment of pine forests damaged by sawflies. F. P. Moiseenko, A. M. Kozhevnikov. Les. khoz. 16 no. 9:8-11 S '63.

WHITE RUSSIA—POTATOES

Zborovin, N. A. [Consumer's requirements as to the quality of potatoes] Potrebitel'nye kachestva kartofelia. Pod red. A. A. Kolesnika. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 145 p.

WHITE RUSSIA—PRINTING INDUSTRY

Is concerned about the increase in labor productivity. A. G. Zaitsev. Poligr. proizv. no. 10:10-11 O '63.

WHITE RUSSIA—PUBLIC HEALTH

Public health in the White Russian S.S.R. in 1963, the first year of the seven-year plan. A. I. Dorosinskii. Zdrav. Bel. 9 no. 3 3-5 Mr '63.

WHITE RUSSIA—RAILROADS—MANAGEMENT

Sytko, P. A., V. A. Gulkovskii, and M. S. Podchufarov. [Shift crew method in the operation of locomotives; experience of the White Russian Railroad] Smennaia ezda na parovozakh, opyt Belorusskoi dorogi. Moskva, Transzheldorizdat, 1963. 56 p.

WHITE RUSSIA—RECLAMATION OF LAND

Ferrari over a forest. R. Barsuk. Belarus' 20 no. 10: 25 O '63.

WHITE RUSSIA—RELATIONS (GENERAL) WITH BULGARIA

Collective farm envoys on the lands of White Russia and Bulgaria. V. Panomarev. Ogonek 41 no. 43:2-5 O '63.

WHITE RUSSIA—RELATIONS (GENERAL) WITH POLAND

Friendship which warms our hearts. I. Charnlauski. Belarus' 20 no. 10:26 O '63.

WHITE RUSSIA—SAWFLIES

Losses in the increment of pine forests damaged by sawflies. F. P. Moiseenko, A. M. Kozhevnikov. Les. khoz. 16 no. 9:8-11 S '63.

WHITE RUSSIA—SOCIALIST COMPETITION

Lobalenko, N. G. [Along the road of great initiative] Po puti velikogo pochina. Minsk, Izd-vo Akad. nauk BSSR, 1963. 183 p.

WHITE RUSSIA—SOILS—CLASSIFICATION

Economic land valuation in the White Russian S.S.R. I. Cherniavskii, L. Surovyi. Ekon. sel'khoz. 34 no. 11: 97-100 N '63.

WHITE RUSSIA—TRANSPORTATION, AUTOMOTIVE—ACCOUNTING

First results of the competition. S. Izrailovich. Bukhg. uchet 29 no. 9:45 S '63.

WHITE RUSSIA—WAGES—CONSTRUCTION WORKERS

Pshenik, L. M., and V. N. Zvonchik. [Organization of labor and wages in the construction projects of White Russia] Organizatsiia truda i zarabotnoi platy na stroikakh Belorussii. Moskva, Gosstroiizdat, 1963. 215 p.

WHITE RUSSIA—WINTER

On the threshold of winter. R. Ihnatsenka. Belarus' 20 no. 11:30 N '63.

WHITE RUSSIA—WOMEN

Beauty which doesn't arrest your attention. Ivan Hramyka. Rab. i sial. 39 no. 10:10-11 O '63.

WHITE RUSSIA—WOMEN—EMPLOYMENT

This is what the October Revolution has brought us. Rab. i sial. 39 no. 10:2 of cover-1 O '63.

WHITE RUSSIA—WORLD WAR, 1939-1945—ATROCITIES

Moscow. Institut istorii partii. [Crimes committed by the occupation forces of German fascists in White Russia, 1941-1944] Prestupleniia nemetsko-fashistskikh okkupantov v Belorussii, 1941-1944. Minsk, Gos. izd-vo BSSR, 1963. 434 p.

WHITE RUSSIA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Krushinskii, A. S. [Explosions in the Dnieper Valley] Vzryvy nad Dneprom. Moskva, Gospolitizdat, 1963. 134 p. (Geroi i podvigi)

Minsk. Institut istorii partii. [Unconquered White Russia; reminiscences and articles on the nation-wide guerrilla movement in White Russia during the Great Patriotic War, 1941-1945] Nepokorennaia Belorussiia; vospominaniia i stat'i o vsenarodnom partizanskom dvizhenii v Belorussii v gody Velikoi Otechestvennoi voiny, 1941-1945 gg. Moskva, Voenizdat, 1963. 373 p.

Ramanouski, V. F. [Against the distortion of the history of the Soviet guerrilla movement] Suprats' fal'sifikatsyi historyi savetskaha partyzanskaha rukhu. Minsk, Dziarzh. vyd-va BSSR, 1962. 88 p.

WHITE RUSSIAN AUTHORS see Authors, White Russian

WHITE RUSSIAN FOLK SONGS see Folk songs, White Russian

WHITE RUSSIAN LITERATURE—HISTORY AND CRITICISM

Hertsovich, Akau. [Heroes and our times; literary criticism] Herol i suchasnasts'; litaraturna-krytychnyia artykuly. Minsk, Dzhiarzh. vyd-va BSSR, 1963. 237 p.

Kazeka, IAnka. [Inspiration and talent; literary criticism] Natkhnenne i maistersva; litaraturna-krytychnyia artykuly. Minsk, Dziarzh. vyd-va BSSR, 1963. 270 p.

Khvedarovich, Mikola, pseud. [Memorable meetings] Pamiatnyia sustrechy. Vyd. 2., dapounenae. Minsk, Dziarzh. vuchebna-pedagag. vyd-va M-va asvety BSSR, 1963. 256 p.

[Literature of our times; a collection of articles and reviews] Litaratura nashykh dzen, zbornik artykulau i retsenzii. Minsk, Dziarzh. vyd-va BSSR, 1963. 245 p.

WHITE RUSSIAN NEWSPAPERS

Fine harmony. I. Cherniavskii. Sov. pech, no. 11:31 N '63.

WHITE RUSSIAN POETRY—HISTORY AND CRITICISM

Poetry of the fraternal people. P. Okhrimenko. Ukraina no. 12, 22 Je '62.

Who wrote these poems? I. Bas. Belarus' 20 no. 11: 20 N '63.

WHITE RUSSIANS see subdivision under Argentina

WHITE SEA—SMELTS

Reproduction and development of the White Sea smelt. IU. M. Unanian, S. G. Soin. Vest. Mosk. un. Ser. 6: Biol., pochv. 18 no. 4:26-37 Jl-Ag '63.

WHOLESALE TRADE

Orders and interprovincial exchange of merchandise. V. IUrov. Sov. torg. 37 no. 11:10-12 N '63.

Wholesale trade under the new conditions. I. Gol'tsaker, N. Anufriev. Sov. potreb. koop. 7 no 10:20-22 O '63.

WHOLESALE TRADE—ACCOUNTING

Machine accounting for containers with the aid of punched card machines in wholesale depots. B. Dimitrov. Bukhg. uchet 29 no. 10:20-30 O '63.

WILD BOAR

Within an inch of death. A. Pal'cheuski. Belarus' 20 no. 11:30 N '63.

WILD RICE AS FEED

Chemical composition of wild rice species and their feed value [with summaries in English, German, and French]. A. A. Potapov. Vest. sel'khoz. nauki 8 no. 6:73-76 Je '63.

WILDLIFE, CONSERVATION OF

Wildlife conservation as an important national problem. P. A. Manteifel'. Okhr. prir. i ozel. no. 3:5-7 '60.

WILDLIFE, CONSERVATION OF—CONGRESSES

International Congress on Conservation. A. G. Bannikov, N. K. Vereshchagin, A. N. Formozov. Okhr. prir. i ozel. no. 3:121-128 '60.

WILNO see Vilnius

WINCHES

Winch for trellis wires. P. Gebbel'. Tekh. v sel'khoz. 23 no. 6:83-84 S '63.

WIND EROSION see subdivision under Aktyubinsk Province

WIND POWER

Aerogenerator based on the principle of a gyroscope. K. Alekseakhin. Radio no. 11:56-57 N '63.

WIND PRESSURE

Possibility of resonance between wind gusts and the rolling of a ship. L. R. Akstutin. Sudostroenie 29 no. 10:15 O '63.

WINDBREAKS, SHELTERBELTS, ETC.
(see also subdivision under Kazakhstan; Siberia, Western)

Preventing sand drifting. D. I. Pesvianidze. Put' i put. khoz. 7 no. 10:33 '63.

Restoration of snow protective tree plantings. K. I. Chuvilov. Put' i put. khoz. 7 no. 11:40-41 '63.

Senkevich, A. A. [Green shelterbelts; shelterbelt afforestation in our country and abroad] Zelenye zashchitnoe lesorazvedenie u nas i za rubezhom. Moskva, Izd-vo "Znanie," 1963. 38 p. (Novoe v zhizni, nauke, tekhnike. V Serii: Sel'skoe khoziaistvo, no. 20)

Shelterbelts in foreign countries. A. A. Senkevich. Les. khoz. 16 no. 9:87-90 S '63.

Shrubs are the main accumulators of snow. M. M. Chumakov. Put' i put. khoz. 7 no. 10:35 '63.

WINDING MACHINES

Semiautomatic machine for winding magnetic starter coils. V. I. Rysin. Mashinostroitel' no. 10:14 O '63.

WINDS
(see also subdivision under Barents Sea, Caspian Sea)

Forecasting jet streams. N. N. Bel'skaia. Trudy TSIP no. 125:3-12 '63.

Results of testing forecasting methods of the geopotential heights of isobaric surface 200 mb. V. I. Zhil'tsova. Trudy TSIP no. 125:13-18 '63.

WINE AND WINE MAKING—MICROBIOLOGY
(see also subdivision under Alma-Ata)

Enzymatic and thermal treatment of grape pomace b, preparations of Aspergillus niger. A. A. Martako. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7 65-68 '63.

WINGS

Ichneumon flies (Hymenoptera, Ichneumonidae) with the venation type of fore wings resembling that of Braconidae [with summary in English]. V. I. Tobias. Zool. zhur. 42 no. 10 1513-1522 '63

WINTER
(see also subdivision under Moscow region, Vologda, White Russia)

Unusual natural phenomena during the winter of 1960-1961. M. A. Rodionov. Mat. po fen. no. 2:10-16 '61

WINTER SPORTS—ACCIDENTS

Traumatism in different types of winter sports. N. A. Polivoda. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:151-154 '59.

WIRE

Wire made of metal chips. L. Ilkin. Izobr. i rats. no. 11 22 '63.

WIRE—CORROSION

Cause of wire corrosion and of breakdown of insulation of windings of electrical machinery. I. M. Chagin, K. N. Petrov. Sbor. mat. po obm. opyt. NIUIF no. 12:28-31 '59.

WIRE—TESTING

Methods and equipment for the determination of the technical elasticity limit of thin spring wire under the effect of torsion. K. G. Galimkhanov, IU. A. Kuvshinov, N. V. Sokolov. Sbor. trud. TSNIICHM no. 32:205-208 '63.

WIRE BROADCASTING see subdivision under Ivano-Frankovsk Province

WIRE DRAWING

Cleaning of hot-drawn tantalum wire from graphite lubrication. V. N. Parusnikov, R. I. Natapova, L. P. Malikova. TSvet. met. 36 no. 10:73-76 O '63.

WIRE INDUSTRY

New method of drying coils of wire. V. I. Donets. Metallurg 8 no. 10:32 O '63.

WIRE ROPE

Determining stress relaxation in wire rope strands used for prestressing of reinforcements. L. A. Krasil'nikov, N. V. Sokolov, A. G. Lysenko. Sbor. trud. TSNIICHM no. 32:192-195 '63.

Reduction of a concentric layer of wires in a strand to the conventional. N. E. Markman. Izv. vys. ucheb. zav.; chern. met. 6 no. 10:181-182 '63.

Work of the symposium-seminar on the problems of wire ropes. O. O. Horoshko. Pryki. mekh. 9 no. 6-686 '63.

WIRE ROPE—TESTING

Experimental determination of bending rigidity of a flexible wire shaft. G. I. Kogan-Vol'man, F. M. Kantor. Avt. prom. 29 no. 11:23-24 N '63.

WIRE-ROPE TRANSPORTATION see Cableways

WIT AND HUMOR see subdivision under Lyubertsy

WOLKER, JIŘI, 1900-1924

Jiří Wolker in the Ukraine. Z. Henyk-Berezovs'ka. Mizhslov. lit. vzaiem. no. 3 185-198 '63.

WOMEN
(see also subdivision under Japan; Jordan; Mongolia; Morocco; White Russia)

News from everywhere. Zhen. mira no. 11:7 '61.

Program of the architects of communism. A. Artiukhina. Zhen. mira no. 11:3-6 '61.

WOMEN—CONGRESSES

At the World Congress of Women. Nar. obr. no. 8:96-98 S '63.

Women as the friends of peace. Smena 40 no. 12:16-17 Je '63.

WOMEN—EMPLOYMENT
(see also subdivision under Italy; Shirabad District; White Russia)

Just three girls. O. Kuchkina. Ogonek 41 no. 50:22-23 D '63.

WOMEN—HEALTH AND HYGIENE

Verkhatskii, N. P. [Prevention of premature aging in women] Preduprezhdenie prezhdevremennogo starenila zhenshchin. Izd. 2., ispr i dop. Kiev, Gosmedizdat USSR, 1963. 129 p. (DNLM)

WOMEN—HEALTH AND HYGIENE—BIBLIOGRAPHY see Bibliography—Women—Health and hygiene

WOMEN—RIGHTS OF WOMEN see subdivision under Daghestan

WOMEN—SOCIETIES AND CLUBS see subdivision under Vitebsk District

WOMEN AND PEACE
(see also subdivision under Japan)

Disarmament is the most important problem of our time. Zhen. mira no. 12:9 '61.

A meeting of the Women's International Democratic Federation. Zhen. mira no. 11:7 '61.

The Oslo Conference. Linus Pauling. Zhen. mira no. 11:8 '61.

WOMEN AS ASTRONAUTS

An interview with the astronaut German Titov. Zhen. mira no. 11:10 '61.

WOMEN AS ENGINEERS see subdivision under Mogilev

WOMEN AS JUDGES

In search of truth. V. Mikhailov. Sov. iust. no. 16: 25-26 S '63.

Thank you, comrade judge! T. Borisova. Sov. iust. no. 22:29-31 N '63.

WOMEN AS LETTER CARRIERS

We see a letter carrier with her mailbag. M. Palunichau. Belarus' 20 no. 10.29 O '63.

WOMEN IN AGRICULTURE see subdivision under Gomel' District; Khiva District; Mogilev Province; Tolochin District; Uzbekistan

WOMEN IN ART see subdivision under Gagarino (Voronezh Province)

WOMEN IN LITERATURE

The art of literary portrayal. O. K. Babyshkin. Rad. lit. 7 no. 6:96-102 N-D '63.

WOMEN IN PUBLIC LIFE see subdivision under Belynichi District

WOMEN'S PERIODICALS see subdivision under Australia

WOOD—CHEMISTRY
(see also subdivision under Perechin)

Akademiia nauk SSSR. Institut lesa i drevesiny. [Studies in the field of chemistry and chemical technology of wood] Issledovaniia v oblasti khimii i khimicheskoi tekhnologii drevesiny. Moskva, Izd-vo Akad. nauk SSSR, 1963. 121 p.

WOOD—MOISTURE

Effect of various sources of moistening on lumber infected by fungi causing the bluing of wood. S. N. Gorshin, I. G. Krapivina. Nauch. trudy TSNIIMOD no. 12. 92-110 '62.

WOOD—PRESERVATION

Adjustment of agricultural sprinkling equipment for spraying log piles and checking the effectiveness of sprinkling saw logs. S. N. Gorshin, A. A. Klykov. Nauch. trudy TSNIIMOD no. 12:80-91 '62.

Comparative investigation of the effectiveness of preserving birch wood by the sprinkling method. S. N. Gorshin, I. A. Chernisov. Nauch. trudy TSNIIMOD no. 12.62-79 '62.

WOOD—TESTING

Investigating the technical properties of darkened lumber. S. N. Gorshin, A. L. Mikhailichenko, N. P. Nechaeva. Nauch. trudy TSNIIMOD no. 12:131-137 '62.

WOOD ALCOHOL see Methanol

WOOD BORERS see subdivision under Voronezh Province

WOOD BORERS—EXTERMINATION see subdivision under Caucasus, Northern

WOOD CARVING

"The root of the matter." N. Semenov. Ukraina no. 16: 26 Ag '62.

WOOD-DECAYING FUNGI

Amino acid composition of humus-type substances formed by some wood-decaying fungi [with summary in English]. A. N. Shivrina, R. A. Maslova. Pochvovedenie no. 11:63-67 N '63.

Effect of various sources of moistening on lumber infected by fungi causing the bluing of wood. S. N. Gorshin, I. G. Krapivina. Nauch. trudy TSNIIMOD no. 12: 92-110 '62.

Identification of fungi causing the bluing of wood based on the macroscopic signs of lumber infection. S. N. Gorshin, I. G. Krapivina. Nauch. trudy TSNIIMOD no. 12:119-130 '62.

Investigating the technical properties of darkened lumber. S. N. Gorshin, A. L. Mikhailichenko, N. P. Nechaeva. Nauch. trudy TSNIIMOD no. 12.131-147 '62.

Studying the resistance of lumber infected by fungi causing the bluing of wood to the complex of wood-decaying agents inhabiting soil. S. N. Gorshin, I. G. Krapivina. Nauch. trudy TSNIIMOD no. 12.111-118 '62.

WOODEN BRIDGES see Bridges, Wooden

WOODPULP INDUSTRY
(see also subdivision under Balakhna, Gorkiy Province)

Basic problems in the intensification of the production of sulfate pulp. G. S. Kosaia. Bum. prom. 38 no. 11.5-7 N '63.

Condition and development of the woodpulp-paper industry. A. Zheludkov. Vop. ekon. no. 10:139-144 O '63.

WOODPULP INDUSTRY—BY-PRODUCTS

Settling of alkali lignin with carbon dioxide under pressure. V. M. Nikitin and others. Bum. prom. 38 no. 11. 14-15 N '63.

WOODPULP INDUSTRY—ELECTRIC EQUIPMENT

Soltamov, B.-S. D. [Automated electric drives in the woodpulp industry] Avtomatizirovannye elektroprivody na predpriiatiiakh tsellyulozno-bumazhnoi promyshlennosti. Moskva, Goslesbumizdat, 1963. 266 p.

WOODPULP INDUSTRY—EQUIPMENT AND SUPPLIES

Improve the quality of acidproof ceramics. B. V. Lopatin. Bum. prom. 38 no. 11:16-18 N '63.

WOODWORKING INDUSTRIES see subdivision under Sukhe Bator

WOODWORKING INDUSTRIES—INFORMATION SERVICES

Organization of scientific and technological information and propaganda at enterprises of the lumber and woodworking industry. A. S. Abramova. Opyt rab. po tekh. inform. i prop. no. 2:14-16 '63.

WOODWORKING INDUSTRIES—SAFETY REGULATIONS

Profsoiuz rabochikh mashinostroeniia SSSR. [Safety and industrial sanitation regulations for woodworking shops (sections) in machinery enterprises and organizations. Approved by the Presidium of the Central Committee of the Trade Union of Machinery Industry Workers on February 15, 1963] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarii dlia derevoobrabatyvatu shchikh tsekhov (uchastkov) predpriiatii i organizatsii mashinostroeniia. Utverzhdeny Prezidiumom TsK Profsoiuza rabochikh mashinostroeniia 15 fevralia 1963 g. Moskva, Mashgiz, 1963. 67 p.

WOODWORKING MACHINERY—DESIGN AND CONSTRUCTION

Afanas'ev, P. S. [Woodworking machines] Derevoobrabatyvaiushchie stanki. 3. izd., ispr. Moskva, Proftekhizdat, 1963. 415 p.

Kuznetsov, M. A. [Atlas of designs for woodworking machines] Atlas konstruktsii derevoobrabatyvaiushchikh stankov. Moskva, Goslesbumizdat, 1963. 248 p. diagrs.

WOODWORKING MACHINERY—STANDARDS

Rudnik, M.S. [Standardization of woodworking equipment and instruments] Standartizatsiia derevoobrabatyvaiushchego oborudovaniia in instrumenta. Moskva, Standartgiz, 1963. 80 p.

Woodworking milling machines. F. L. Fishkina. Standartizatsiia 27 no. 11.34-35 N '63.

Woodworking tenoning machines. M. S. Rudnik, V. N. Aksenov. Standartizatsiia 27 no. 11:34 N '63.

WOODY PLANTS see subdivision under Caucasus; Leningrad

WOOL INDUSTRY—ACCOUNTING

Introduce the standard method of accounting for production in the wool industry. T. Alekseeva. Bukhg. uchet 20 no. 9:37-39 S '63.

WOOL INDUSTRY—LABOR PRODUCTIVITY

Studying labor intensiveness aids in finding the best practice. A. Turchaninov. Sots. trud 8 no. 10:100-105 O '63.

WOOLEN AND WORSTED MANUFACTURE see subdivision under Sursk

WORK

Bondarenko, P. T. [The new man is molded by work] V trude formiruetsia novyi chelovek. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1963. 84 p.

Evaluation of the stress of work [with summary in English]. Z. M. Zolina, IU. V. Molkin. Gig. truda i prof. zab. 7 no. 1:23-29 Ja '63.

Levin, E. A. [Labor becomes a necessity] Trud stanovitsia potrebnost'iu. Moskva, Politizdat, 1963. 62 p.

Raised cultural level of Soviet workers and the elimination of differences between manual and intellectual work as a factor of social progress. M. T. Iovchuk. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 4.37-46 '63.

Some methodological problems of the physiology of work [with summary in English]. K. S. Tochilov. Vest. LGU 18 no. 21:86-94 '63.

WORK CLOTHES

Amendment to Paragraph No. 5 of the instruction on the procedure for issuing, storing, as well as using work clothes equipped with safety devices. Biul. Gos. kom. po vop. truda i zar. platy no. 11 16 '63.

WORK FUNCTION (PHYSICS)

Change in the electron work function during cold deformation of molybdenum and tantalum under superhigh vacuum. L. A. Andreev, IA. Paitge. Dokl. AN SSSR 152 no. 5:1086-1088 O '63.

WORK-SONGS

A conference on the folklore of work. N. S. Poliashchuk. Sov. etn. no. 5:120-133 S-O '63.

WORKS COUNCILS
(see also subdivision under Leningrad)

Headquarters of popular initiative. E. IAmpol'skaia. Sov. profsoiuzy 19 no. 18.8-10 S '63.

WORLD MAPS

The world map from al-Biruni's book "At-Tafkhim." Kh. Khasanov. Obshchestv. nauki v Uz. 7 no. 8 56-61 '63.

WORLD POLITICS

Brief news on international events. Nov. vrem. 21 no. 46:32 N '63.

Brief news on international events. Nov. vrem. 21 no. 48.32 N '63.

Brief news on international events. Nov. vrem. 21 no. 50:32 D '63.

Brief news on international events. Nov. vrem. 21 no. 51:34 D '63.

Brief notes on international events. Nov. vrem. 21 no. 47:32 N '63.

Brief notes on international events. Nov. vrem. 21 no. 52:36 D '63.

Events that will never be forgotten. Zhen. mira no. 12: 4-7 '61.

For the triumph of peace and progress. V. Agarkov. Mezhdunar. zhizn' 10 no. 11:100-107 N '63.

International notes. Nov. vrem. 21 no. 46:20-21 N '63.

International notes. Nov. vrem. 21 no. 47:20-21 N '63.

International notes. Nov. vrem. 21 no. 48:22-23 N '63.

International notes. Nov. vrem. 21 no. 50:23-25 D '63.

International notes. Nov. vrem. 21 no. 51:24-26 D '63.

International notes. Nov. vrem. 21 no. 52:26-26 D '63.

International review. B. Kuznetsov. Agitator no. 21:13-15 N '63.

Khrushchev, N. S. [Prevention of war is a task of paramount importance; from his addresses of 1956-1963] Predotvrashchenie voiny — pervostepennaia zadacha, iz vystuplenii 1956-1963 gg. Moskva, Izd-vo lit-ry na inostrannykh iazykakh, 1963. 101 p.

Marxist-Leninist dialectics and the problems of peaceful coexistence. IU. A. Krasin. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 5:3-12 '63.

Methodical advice. Mezhdunar. zhizn' 10 no. 11:142-144 N '63.

N. S. Khrushchev's answers to questions asked by the editors of the newspapers "The Ghanaian Times," "Alger Republican," "Le Peuple," and "Botataung." Nov. vrem. 21 no. 52:37-46 D '63.

Notes of an observer. Sov. Soiuz no. 11:1 '63.

The outgoing year. Justas Paleckis. Nov. vrem. 21 no. 52:3-4 D '63.

Outlook for the future. Nov. vrem. 21 no. 52:1-2 D '63.

Peaceful coexistence and the class struggle. I. Aleksandrov. Sov. profsoiuzy 19 no. 18:36-38 S '63.

The platform of the Communists. Nov. vrem. 21 no. 48:1-3 N '63.

Proletarian internationalism is our banner. IU. Popov. Agitator no. 21:6-10 N '63.

Toward a great goal. M. Kotov. Nov. vrem. 21 no. 50: 7-10 D '63.

What is incompatible is incompatible. B. Leont'ev. Mol. komm. no. 9:24-31 S '63.

WORLD WAR, 1939-1945
(see also subdivision under Baltic Sea; Black Sea region; Caucasus; Czechoslovakia; Germany; Berlin; Kharkov Province; Korea; Krasnodon; Latvia; Leningrad; Minsk; Moscow; Norway; Odessa; Poland; Smolensk, Kaliningrad Province; Ukraine; White Russia; Yugoslavia; Zhitomir Province)

Actors' brigades in the front regions. V. L. Maknakova. Ist. arkh. 6 no. 3:156 My-Je '62.

Army komsomols in the Great Patriotic War. T. Korzhenevskaia. Voen.-ist. zhur. 5 no. 10:101-108 O '63.

Basic problems examined in volume 5 of the "History of the Great Patriotic War of the Soviet Union" [with summary in English, p. 210]. S. I. Roshchin, V. P. Seregin. Vop. ist. 38 no. 12:3-12 D '63.

Choice of direction of the main attack. A. Shtemenko. Voen.-ist. zhur. 5 no. 10. 3-14 O '63.

Communist Youth League in battles for the fatherland. I. Series. Voen.-ist. zhur. 5 no. 10. 80-86 O '63.

Destroyers of the U.S.A. in the Second World War. I. Eremeev. Voen.-ist. zhur. 5 no. 10. 96-100 O '63.

Fedotov, A. S., S. P. Romanov, and M. V. Strotkin. [Reconnaissance groups in the rear of the enemy] Razvedchiki v tylu vraga. Moskva, Voenizdat, 1963. 205 p.

In partiality; a book review. Aleksandr Borshchagovskii. N. Avrora. 21 no. 47:28-30 N '63.

Kralnikov, K. V., and others. [Party work in the Russian Armed Forces during the years of the Great Patriotic War, 1941-1945, a brief historical review] Partiino-politicheskaia rabota v Sovetskikh Vooruzhennykh Silakh v gody Velikoi Otechestvennoi voiny, 1941-1945; kratkii istoricheskii ocherk. Moskva, Voenizdat, 1963. 525 p.

Offensive of armored troops in the mountains. I. Krasnov. Voen.-ist. zhur. 4 no. 11:32-43 N '63.

Unforgettable heroism. K. Sankevich, M. Zaleski. Polarnik 20 no. 11:22 S '63.

WORLD WAR, 1939-1945—AERIAL OPERATIONS

D'iachenko, G. Kh. [Nesterov's heirs] Nasledniki Nesterova. Moskva, Voenizdat, 1963. 170 p.

Fedorov, A. G. [Wages of happiness; memoirs of a flight commander] Plata za schast'e, zapiski letchika-komandira. Moskva, Molodaia gvardiia, 1963. 282 p.

Frolov, M. I. ["The winged guard"; a book of feature stories on heroic fliers] Krylatiia gvardiia; kniga-rasskazov o letchikakh-geroiakh. [Leningrad] Lenizdat, 1963. 134 p.

WORLD WAR, 1939-1945—ATROCITIES

Hangman No. 12. Simon Datner. Ogonek 41 no. 42:20-21 O '63.

WORLD WAR, 1939-1945—BIOGRAPHY

Izlodei, V. F. ["Slava," a soldier's medal] Soldatskaia Slava. Moskva, Voenizdat, 1963. 204 p.

Kochergin, I. I., and N. G. Komarov, comps. [Men of Kirov Province, heroes of the Soviet Union] Kirovchane, geroi Sovetskogo Soiuza. [2., dop. i perer. izd. Kirov] Kirovskoe knizhnoe izd-vo, 1962. 446 p. (MiU)

WORLD WAR, 1939-1945—CAMPAIGNS

Battle for the Dnieper. A. Radzievskii. Voen. vest. 43 no. 10:12-18 O '63.

Forced crossing on the march. A. TSirlin. Voen. vest. 43 no. 10:16-20 O '63.

Guardsmen, forward! S. Shitov. Voen. vest. 43 no. 10: 21-28 O '63.

Heroes of battles. V. IAkubov. Voen. vest. 13 no. 11: 15-18 N '63.

WORLD WAR, 1939-1945—COMMUNICATIONS

Arsen'ev, N. [Heroes, signalmen] Geroi - sviazisty. Moskva, Izd-vo DOSAAF, 1963. 145 p.

WORLD WAR, 1939-1945—ECONOMIC ASPECTS

"The national economy of the U.S.S.R. during the war, 1941-1945" by G. S. Kravchenko. Reviewed by A. F. Vasiliev. Vop. ist. 38 no. 12:118-120 D '63.

WORLD WAR, 1939-1945—HISTORIOGRAPHY

The Great Patriotic War of the Soviet People in the studies of French bourgeois historians. V. S. Rykalov. Vop. ist. 38 no. 11:156-158 N '63.

WORLD WAR, 1939-1945—NAVAL OPERATIONS, GERMAN

The price of nearsighted policy. V. Popov. Mezhdunar. zhizn' 10 no. 11:96-103 N '63.

WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Aleksandrov, N. I. [Friends and companions in arms] Druz'ia-tovarishchi. Moskva, Voenizdat, 1963. 174 p. (Voennye memuary)

Baranov, G. T. [They were counted as killed; exploits of the heroes of the battle for the Volga] Kak schitali pogibshimi; o podvigakh geroev bitvy za Volgu. Leningrad, Ob-vo po rasprostraneniiu politicheskikh i nauchnykh znanii RSFSR, 1963. 63 p.

Fedorov, A. G. [Wages of happiness; memoirs of a flight commander] Plata za schast'e, zapiski letchika-komandira. Moskva, Molodaia gvardiia, 1963. 282 p.

The First Brigade of Moscow Actors and its work in the front regions. B. M. Filippov. Ist. arkh. 8 no. 3:157-164 My-Je '62.

Flowers fall into the sea. A. Teleshenko. Sov. voin. 45 no. 22:10-17 N '63.

Four notebooks; narrative of the war years. A. Saparov. Zvezda no. 5:3-102 My '62.

Happy disposition. I. Ishchenko. Sov. voin 45 no. 14:30-31 Jl '63.

Ignatov, P. K. [Partisan's notebook] Zapiski partizana. [Moskva] Mosk. rabochii, 1959. 787 p. (MiDW)

It does happen.... P. Altunin. Ogonek 41 no. 43:17 O '63.

Mikhailovskii, N. G. [Wind force 9] Deviat' ballov [Murmansk] Murmanskoe knizhnoe izd-vo, 1962. 198 p. (MH)

Missing in action. Boris Kraevskii. Smena 40 no. 17:8-11 S '63.

Most dear. A. Arkusha. Sov. voin 45 no. 12:2-3 Je '63.

Response to readers. M. Khudiakov. Voen.-ist. zhur. 5 no. 11:99-101 N '63.

Sacred oath of a soldier. A. Gasparian, L. Aksel'rod. Smena 40 no. 12:7 Je '63.

That night..., Semen Borzunov. Ogonek 41 no. 44:6-8 O '63.

To the north of Orel. Evgenii Vorob'ev. Sov. voin 45 no. 14:16-20 Jl '63.

WORLD WAR, 1939-1945—PICTORIAL WORKS

A painter's "reminiscences," V. Shchepetil'nikova. Ukraina no. 9:20 My '62.

WORLD WAR, 1939-1945—TRANSPORTATION

Rabinovich, M. G. [At the front and behind the lines; history of the trade union of workers in the ocean and river fleet, 1941-1945] Na fronte i v tylu, iz istorii profsoiuza rabochikh morskogo i rechnogo flota 1941-1945 gg. Moskva, Morskoi transport, 1962. 119 p. (MH)

WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Ignatov, P. K. [Partisan's notebook] Zapiski partizana. [Moskva] Mosk. rabochii, 1959. 787 p. (MiDW)

[The international solidarity of the workers in the struggle for peace and national liberation from fascist aggression, and for the complete destruction of fascism in Europe and Asia; 1938-1945] Mezhdunarodnaia solidarnost' trudiashchikhsia v bor'be za mir i natsional'noe osvobozhdenie protiv fashistskoi agressii, za polnoe unichtozhenie fashizma v Evrope i Azii; 1938-1945. Moskva, Sovetskaia Rossiia, 1962. 798 p. (CSTmoR)

WORMS, INTESTINAL AND PARASITIC

Vsesoiuznoe obshchestvo gel'mintologov. [Helminths in man, animals and plants and their control; on the 85th birthday of Academician Konstantin Ivanovich Skriabin] Gel'minty cheloveka, zhivotnykh i rastenii i bor'ba s nimi; k 85-letiiu akademika Konstantina Ivanovicha Skriabina. Moskva, Izd-vo Akad. nauk SSSR, 1963. 523 p.

WOUNDS

Microstructural changes occurring in experimental wounds under the influence of ascorbic acid combined with cortisone and ACTH. A. I. Bukhonova. Dokl. AN SSSR 152 no. 3:761-764 S '63.

Study of lesions inflicted with blunt objects with a rounded surface. S. M. Sidorov, B. V. Molotov. Sud.-med. ekspert. 6 no. 4:51-53 O-D '63.

WOUNDS—MICROBIOLOGY

Wound and surgical infection Report No. 1 [with summary in English]. V. A. Ivanov. Khirurgiia 39 no. 7.4-13 Jl '63.

WOUNDS—TREATMENT

Infected wound and its treatment. M. F. Kamaev. Med. sestra 22 no. 10:7-12 O '63.

Use of Chaikovskii's solution in microtraumas at a diesel locomotive plant. S. I. Svetlov. Med. sestra 22 no. 10:54-55 O '63.

WRESTLING

His second son. Kim Pushkar'ov. Ukraina no. 17:24 S '62.

WRITING—IDENTIFICATION

Taking into account the factor of time in the investigation of handwriting and signatures. I. Mozhar. Rad. pravo no. 6:53-55 N-D '63.

WRITING—MATERIALS AND INSTRUMENTS

Ink, pen, and typewriter. IU. Kolesnychenko, N. Filianovskyi. Nauka i zhyttia 13 no. 10:34-36 N '63.

X-RAY CRYSTALLOGRAPHY

Determining the structure of a crystal by the nonlocal search method. I. M. Gel'fand, I. I. Piatetskii-Shapiro, IU. G. Fedorov. Dokl. AN SSSR 152 no. 5 1045-1048 O '63.

Likeness of microobjects to their enlarged images in optical studies. V. G. Feklichev. Trudy IMGRE no. 18 124-132 '63.

Phase transitions in antimony under high pressure. S. S. Kabalkina, L. F. Vereshchagin, V. P. Mylov. Dokl. AN SSSR 152 no. 3 585-588 S '63.

Recrystallization texture of transformer steel in the transition region. P. D. Izbranov. Izv. vys. ucheb. zav., fiz. no. 3 32-33 '63.

X-RAY DIFFRACTION EXAMINATION

Amorphous state of natural graphite powders. A. S. Fialkov and others. Dokl. AN SSSR 153 no. 2 390-393 N '63.

Electronic angle marker for the URS-501 X-ray apparatus. IU. I. Gribanov, A. G. Karmilov, L. A. Lednev. Prib. i tekh. eksp. 8 no. 5:219-220 S-O '63.

Intensities of the diffraction reflections of a specimen with axial texture. A. S. Kagan. Zhur. tekh. fiz. 33 no. 12:1456-1468 D '63.

Structure of solid solutions of $SrTiO_3$-Bi_2O_3. $3TiO_2$. K. V. Kiseleva, S. V. Bogdanov. Fiz. tver. tela 5 no. 11 3133-3137 N '63.

Using stepped attenuation of comparison lines in X-ray diffraction determination of residual austenite. B. A. Brusilovskii. Sbor. Novo-Kram. mashinostroi. zav. no. 5:108-119 '59.

X-ray examination of the kinetics of martensite disintegration at low-temperature tempering in rolls used in cold rolling. B. A. Brusilovskii, F. I. Ivanov. Sbor. Novo-Kram. mashinostroi. zav. no. 5:96-99 '59.

X-ray study of the structure of liquid crystals with the aid of the distribution function. B. K. Vainshtein, L. G. Chistiakov. Dokl. AN SSSR 153 no. 2:326-329 N '63.

X-RAY SPECTROSCOPY

Single-crystal focusing short-wave X-ray quantimeter. V. V. Steshenko, A. V. Pivovarov, I. A. Rubanov. Prib. i tekh. eksp. 8 no. 4:189-190 Jl-Ag '63.

X-ray microspectroscopy methods. S. B. Maslenkov. Sbor. trud. TSNIICHM no. 32:142-145 '63.

X-ray spectroscopy of moving samples using electron-optical converters. S. T. Nazarov. Zav. lab. 29 no. 10. 1198-1200 '63.

X RAYS

Dielectric loss in quartz exposed to X rays. G. I. Potakhova. Izv. vys. ucheb. zav., fiz. no. 3 71-75 '63.

Measuring the thickness of foils and films by means of soft X rays. S. I. Lobov, V. A. TSukerman. Prib. i tekh. eksp. 8 no. 4 164-169 Jl-Ag '63.

X RAYS—EQUIPMENT AND SUPPLIES

Attachment for high-speed serial exposures with the RUM-5 X-ray unit. L. S. Amosov. Vest. rent. i rad. 38 no. 5:55-58 S-O '63.

High-temperature X-ray camera for analyzing powders. IU. I. Petrov. Prib. i tekh. eksp. 8 no. 4:162-164 Jl-Ag '63.

Protective screen for patients during X-ray diagnosis. F. P. Matvievskii. Vest. rent. i rad. 38 no. 5:60 S-O '63.

Sample holder for a KROS-type X-ray camera. O. I. Rybailo, G. P. Kushta. Zav. lab. 29 no. 11:1385-1386 '63.

Sharp-focused high power X-ray tube for structural analysis. M. G. Lozinskii and others. Prib. i tekh. eksp. 8 no. 4:158-159 Jl-Ag '63.

Sharp-focused X-ray tube with end outlet and direct anode contact of the object analyzed. M. I. Teumin, G. M. Nikolaenko, IU. K. Ioffe. Prib. i tekh. eksp. 8 no. 4:160-161 Jl-Ag '63.

Universal film holder used in taking X-ray photographs. V. F. Trubnikov. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no. 15:257-258 '59.

Use of a curved X-ray film holder in traumatology. V. Kalousova. Vest. rent. i rad. 38 no. 5:58-59 S-O '63.

X RAYS—PHYSIOLOGICAL EFFECT

Relation between the frequency of the occurrence of phenocopies and the X-ray dose [with summary in English]. IU. A. Volchkov, IU. N. Aleksandrov. Vest. LGU 18 no. 21:95-105 '63.

X RAYS—SCATTERING

X-ray scattering by an aging alloy crystal taking into account the transition layer between the Guinier-Preston zone and the matrix. O. D. Shashkov, N. N. Buinov. Fiz. met. i metalloved. 16 no. 4:628-630 O '63.

X RAYS—THERAPEUTIC USE

X-ray treatment of malignant tumors of the testicle in cryptorchism. T. M. Klepikova-Troitskaia. Vop. klin. pat. no. 2:154-160 '61.

X RAYS—THERAPEUTIC USE (Continued)

X-ray treatment of so-called giant cell tumors. T. M. Klepikova-Troitskaia. Vop. klin. pat. no. 2:161-172 '61.

XANTHENONE

Trihydroxyfluorones as reagents for the photometric determination of molybdenum [with summary in English]. M. B. Shustova, V. A. Nazarenko. Zhur. anal. khim. 18 no. 8 964-971 Ag '63.

XANTHOTOXIN

Treatment of vitiligo with meladinine. T. T. Tadzhibaev. Vest. derm. i ven. 37 no. 7 76-77 Jl '63.

XYLENOL ORANGE

Complex of thorium IV with xylenol orange. B. I. Nabivanets, L. N. Kudritskaia. Ukr. khim. zhur. 29 no. 11:1198-1205 '63.

XYLOSE

Development of the method of purification of xylose solution prior to hydrogenation [with summary in English on p. 166]. E. R. Lefkin, S. L. Gutina, V. IA. Meshkova. Sbor. trud. NIIGS 11:77-85 '63.

Dynamics of the change of the pH of xylose solution during the hydrogenation and degradation of xylose sugar in an alkaline medium [with summary in English on p. 166]. E. R. Lefkin. Sbor. trud. NIIGS 11:86-93 '63.

YACHT-BUILDING

Yacht built from reinforced concrete. I. Fedorov. IUn. tekh. 8 no. 11:58-61 N '63.

YACHTS AND YACHTING

Trial of the yacht "Antarctica." I. I. Matveev. Sudostroenie 29 no. 11:40-42 N '63.

YAKHNOMA—COMMUNIST YOUTH LEAGUE

Following the precepts of the first. N. Travnikov. Komsom. zhizn' no. 20:18 O '63.

YAKUT ECONOMIC REGION—INFORMATION SERVICES

Technological information and propaganda at enterprises and construction projects of the Yakut Economic Council. M. A. Durinbina. Opyt rab. po tekh. inform. i prop. no. 1:26-27 '63.

YAKUTIA—COAL GEOLOGY—MAPS

Map of coal potential in Yakutia. Trudy Inst. geol. IAFAN SSSR no. 13:60-64 '62.

YAKUTIA—DIAMONDS

Development of an effective complex of geophysical prospecting for diamond deposits. G. D. Balakshin. Trudy IAFAN AN SSSR, Ser. geol. no. 9:172-177 '63.

Gnevushev, M. A. [Yakut diamonds] IAkutskie almazy. Moskva, Uchpedgiz, 1963. 102 p. (Biblioteka shkol'nika)

Mineralogical composition of kimberlites from various diamond-bearing regions of western Yakutia. Trudy IAFAN AN SSSR. Ser. geol. no. 9:54-64 '63.

YAKUTIA—DRINKING WATER—ANALYSIS

Fluorine in the drinking water of central Yakutia. N. P. Anisimova. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1:125-133 '58.

YAKUTIA—ECONOMIC CONDITIONS

Akademiia nauk SSSR. IAkutskii filial, Yakutsk. Institut iazyka, literatury i istorii. [History of the Yakut A. S. S. R.] Istoriia IAkutskoi ASSR. Moskva, Izd-vo Akad. nauk SSSR.

Vol. 3. [Soviet Yakutia] Sovetskaia IAkutiia. 1963. 362 p.

YAKUTIA—FLUORINE

Fluorine in the drinking water of central Yakutia. N. P. Anisimova. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1:125-133 '58.

YAKUTIA—FROZEN GROUND

Depressions in frozen ground of central Yakutia. S. P. Kachurin. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1:167-178 '58.

Development of the studies of frozen crustal zones in Yakutia. P. I. Mel'nikov. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1:5-12 '58.

Some characteristics of geological conditions associated with permafrost in the Ust'-Yana region in Yakut A. S. S. R. N. F. Grigor'ev. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1:139-152 '58.

YAKUTIA—GAS, NATURAL—GEOLOGY

[Basic stages of the geological development of and prospects for finding oil and gas in the Yakut A. S. S. R.] Osnovnye etapy geologicheskogo razvitiia i perspektivy neftegazonosnosti IAkutskoi ASSR. [By] D. K. Gornshtein i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 238 p.

Prognostic map of oil and gas occurrences in the Yakut A. S. S. R. Trudy Inst. geol. IAFAN SSSR no. 13:57-59 '62.

YAKUTIA—GEOLOGY, STRUCTURAL—MAPS

Specialized tectonic basis of the minerogenetic maps of the Yakut A. S. S. R. Trudy Inst. geol. IAFAN SSSR no. 13:11-21 '62.

YAKUTIA—GEOMORPHOLOGY—MAPS

Map of placer deposits on the geomorphological basis. Trudy Inst. geol. IAFAN SSSR no. 13:48-56 '62.

YAKUTIA—HISTORY

Akademiia nauk SSSR. IAkutskii filial, Yakutsk. Institut iazyka, literatury i istorii. [History of the Yakut A. S. S. R.] Istoriia IAkutskoi ASSR. Moskva, Izd-vo Akad. nauk SSSR.

Vol. 3. [Soviet Yakutia] Sovetskaia IAkutiia. 1963. 362 p.

YAKUTIA—INDUSTRIES

Kondakov, K. G. [Development and distribution trends in industry in the Yakut A. S. S. R.] O napravleniiakh razvitiia i razmeshchenila promyshlennosti IAkutskoi ASSR. IAkutsk, IAkutskoe knizhnoe izd-vo, 1962. 143 p.

YAKUTIA—KIMBERLITE

Mineralogical composition of kimberlites from various diamond-bearing regions of western Yakutia. Trudy IAFAN AN SSSR. Ser. geol. no. 9:54-64 '63.

YAKUTIA—LAKES

Plygonal complex of the lakes of southern Yakutia and its origin. V. R. Alekseev, G. N. Filosofov. Izv. Vses. geog. ob-va 95 no. 5:446-448 S-O '63.

YAKUTIA—MINES AND MINERAL RESOURCES—MAPS

Basic principles of compiling minerogenetic maps of the Yakut A. S. S. R. and their contents. Trudy Inst. geol. IAFAN SSSR no. 13:5-10 '62.

YAKUTIA—NONMETALLIC MINERALS—MAPS

Map of nonmetallic minerals. Trudy Inst. geol. IAFAN SSSR no. 13 65-70 '62.

YAKUTIA—ORE DEPOSITS—MAPS

Metallogenetic map. Trudy Inst. geol. IAFAN SSSR no. 13:32-47 '62.

YAKUTIA—PALEOGEOGRAPHY—MAPS

Paleogeographic maps of the Yakut A. S. S. R. Trudy Inst. geol. IAFAN SSSR no. 13:22-31 '62.

YAKUTIA—PETROLEUM—ANALYSIS

Petroleums of Cambrian sediments in Yakutia. K. I. Panina. Trudy VNIGRI no. 212. Geokhim. sbor. no. 8: 193-201 '63.

YAKUTIA—PETROLEUM GEOLOGY

[Basic stages of the geological development of and prospects for finding oil and gas in the Yakut A. S. S. R.] Osnovnye etapy geologicheskogo razvitiia i perspektivy neftegazonosnosti IAkutskoi ASSR. [By] D. K. Gornshtein i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 238 p.

YAKUTIA—PETROLEUM GEOLOGY—MAPS

Prognostic map of oil and gas occurrences in the Yakut A. S. S. R. Trudy Inst. geol. IAFAN SSSR no. 13:57-59 '62.

YAKUTIA—PLACER DEPOSITS—MAPS

Map of placer deposits on the geomorphological basis. Trudy Inst. geol. IAFAN SSSR no. 13:48-56 '62.

YAKUTIA—STUDENT ACTIVITIES

In the Far North. N. Egorov. Nar. obr. no. 12:30 D '63.

YAKUTIA—TUBERCULOSIS

Current state and problems of the surgical aid for patients with pulmonary tuberculosis in the Yakut A. S. S. R. [with summary in French]. V. P. Shadrin. Probl. tub. 40 no. 6:13-14 '62.

YAKUTIA—TUNGUS LANGUAGE—DIALECTS

Romanova A. V., and A. N. Myreeva. [Studies of the Tokko and Tommot dialects] Ocherki tokkinskogo i tommotskogo govorov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 104 p. (Dialektologicheskie materialy po govoram evenkov IAkutskoi ASSR, no. 1)

YAKUTSK—WATER-SUPPLY ENGINEERING, LOW TEMPERATURE

Experience in starting water lines in Yakutsk during the winter. G. A. Ogurtsova, A. A. Paul'son. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1:46-51 '58.

YAKUTSK REGION—COAL MINES AND MINING

Efficient mining of the Kangalassy lignite deposit in the Yakut A. S. S. R. A. F. Zil'berbord, L. A. Maizel'. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1:71-87 '58.

YAKUTSK REGION—FROZEN GROUND

Effect of the buildings of Yakutsk on the temperature of permanently frozen ground. P. A. Solov'ev. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1:179-191 '58.

Efficient mining of the Kangalassy lignite deposit in the Yakut A. S. S. R. A. F. Zil'berbord, L. A. Maizel'. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1:71-87 '58.

YAL'CHIKI DISTRICT—HEALTH EDUCATION

Experience in the mass instruction of women in a school for mothers in the Yal'chiki District of the Chuvash A. S. S. R. E. S. Sergeeva. Kaz. med. zhur. no. 5:96-97 S-O '63.

YAL'CHIKI DISTRICT—MATERNAL AND INFANT WELFARE

Experience in the mass instruction of women in a school for mothers in the Yal'chiki District of the Chuvash A. S. S. R. E. S. Sergeeva. Kaz. med. zhur. no. 5:96-97 S-O '63.

YAMA (DONETSK PROVINCE)—QUARRIES AND QUARRYING

The Yama Dolomite Combine is 50 years old. L. N. Reznikov. Ogneupory 28 no. 11:485-486 '63.

YAMAL-NENETS NATIONAL AREA—TEETH—DISEASES

Dental caries of the indigenous population of Arctic regions. I. M. Liubomirova. Teor. i prak. stom. no. 5:214-216 '61.

YAMSAY—COOPERATIVE SOCIETIES—AUDITING AND INSPECTION

Volunteer controller should be concerned with everything. Appeal of the members of the Mass Public Control Committee of the Yamsay State Farm Workers' Cooperative. Koop. Kazakh. 6 no. 7:11 O '63.

YANGIYER DISTRICT—COTTON-PICKING MACHINERY

With a firm step. V. Kudriavtsev. Part. zhizn' [Uzb.] 6 no. 10:34-36 O '63.

YANGIYUL' DISTRICT—AGRICULTURAL ADMINISTRATION

"In the depths of life". Z. Tadzhiev. Part. zhizn' [Uzb.] 6 no. 6:93 Je '63.

YANGIYUL' DISTRICT—COTTON GROWING

A regional agricultural administration is facing a difficult test. T. Umarov. Part. zhizn' [Uzb.] 5 no. 10: 41-45 O '62.

YAROK ISLAND—FROZEN GROUND

Characteristics of geological conditions associated with permafrost on Yarok Island. T. P. Kuznetsova. Trudy Sev.-Vost. otd. Inst. merzl. AN SSSR no. 1:153-166 '58.

YAROSLAVL—CARDIOVASCULAR SYSTEM—DISEASES

Statistical characteristics of mortality from cardiovascular diseases among the population of Yaroslavl. V. D. Brezgin. Sov. zdrav. 22 no. 7:32-37 '63.

YAROSLAVL PROVINCE—HISTORY

Scholarly research in the field of local history in the city of Yaroslavl. P. I. Kozlov. Ist. SSSR 7 no. 6:215-218 N-D '63.

YAROSLAVL PROVINCE—JOURNALISM

About ourselves and our work. A. Eremina. Sov. pech. no. 11:35 N '63.

YASINOVKA—COAL PREPARATION PLANTS—EQUIPMENT AND SUPPLIES

Modernization of coal drying systems at the Yasinovka Coke and Coal Chemicals Plant. IA. B. Bolotin and others. Koks i khim. no. 11:14-17 '63.

YASINOVKA—COKE INDUSTRY

Glorious tenth anniversary. A. T. Antonov. Koks i khim. no. 11:7-11 '63.

YEAST

(see also subdivision under Ust'-Kamenogorsk Reservoir)

Changes in the fermenting activity of brewer's yeast occurring during its washing. A. G. Kann, I. M. Gracheva. Spirt. prom. 29 no. 7:18-21 '63.

Characteristics of the aerobic vital activity of yeast as related to the sources of nitrogen and vitamins. M. A. Ter-Karapetian, E. N. Makarova. Izv. AN Arm. SSR. Biol. nauki 16 no. 10:3-11 O '63.

Denshchikov, M. T. [Use of industrial waste waters for the production of feed yeasts] Ispol'zovanie promyshlennykh stochnykh vod dlia proizvodstva kormovykh drozhzhei. Moskva, Pishchepromizdat, 1963. 22 p.

Effect of fillers on the activity of some species of yeasts of the genus Saccharomyces. D. L. Shamis, R. M. Kurdina, L. K. Zaitseva. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:51-57 '63.

Mixed cultures of yeast used in bread baking. Report No. 3. D. L. Shamis, R. Sh. Masheeva, A. A. Tukibaeva. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:33-39 '63.

New genetic lines of the yeast Saccharomyces cerevisiae [with summary in English]. S. G. Inge-Vechtomov. Vest. LGU 18 no. 21:117-125 '63.

Selecting pentose-fermenting yeast for the hydrolysis industry. L. E. Denisenko. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:48-50 '63.

YEAST (Continued)
Selecting yeast for primary stages of wine making by the method of continuously improving the selection. R. D. Zubkova, M. G. Sembaeva, M. V. Fokina. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:80-85 '63.
Effect of mixed cultures of lactic acid bacteria and yeast for fermenting vegetables. A. A. Levina. Trudy Inst. mikrobiol. i virus. AN Kazakh. SSR 7:77-82 '63.

YEAST AS FEED
Additional means of increasing the efficiency of fodder yeast production from nonedible raw plant materials [with summary in English on p. 168]. A. I. Kozlov. Sbor. trud. NIIGS 11:157-163 '63.
Some effect of O_2 and H_2O_2 on the fodder yeast Candida Kp 9. D. L. Shamis, L. E. Denisenko, N. S. Gelikonova. Trudy Inst. mikrobiol. i virus. AN Kazakh SSR 7:43-48 '63.
Some old and means of improving the economics of fodder yeast production from nonedible raw materials [with summary in English on p. 168]. A. I. Kozlov. Sbor. trud. NIIGS 11:139-147 '63.

YELETS—LACE AND LACEMAKING
Lace maker from Yelets. S. Kasimova. Mest. prom. i khud. promys. 3 no. 9:36-37 S '62.

YEMEN—MALARIA
Malaria in Yemen [with summary in English]. I. A. Klimov. Med. paraz. i paraz. bol. 32 no. 5:617-618 S-O '63.

YEMETSK REGION—SOIL FERTILITY
Soil fertility of collective farms in the Yemetsk grassy area. G. V. Afanas'ev. Dokl. TSKHA no. 47 171-177 '59.

YENISEY RIDGE—GEOLOGY, STRUCTURAL
Features of the morphology of structures of the eastern margin in the Yenisey Ridge. K. A. Klitin, I. P. Palei, E. S. Postel'nikov. Dokl. AN SSSR 152 no. 5:1204-1207 O '63.

YENISEY RIVER—MERCHANT MARINE
On an upswing. I. Kartakin. Rech. transp. 22 no. 11:26-27 N '63.

YENISEY RIVER—STEAM NAVIGATION
One hundred years of steam navigation on the Yenisey River. L. Nazarov. Rech. transp. 22 no. 11:5-7 N '63.

YENISEY VALLEY—DESCRIPTION AND TRAVEL
Tal'tsera, A. V. [Yenisey, Yenisey...; a travel diary] Enisei, Enisei...; dorozhnaia tetrad', Moskva, Sovetskii pisatel', 1963. 149 p.

YEVPATORIYA—GUIDEBOOKS
Eremin, F. A., and V. T. IAgupov. [Yevpatoriya: concise regional study. Advice to health resort visitors and those vacationing without health resort passes] Evpatoriia; kratkii kraevedcheskii ocherk. Sovety kurortnikam i otdykhaiushchim bez putevok. Simferopol', Krymizdat, 1963. 143 p. illus.

YOUNG COMMUNIST LEAGUE see Communist Youth League

YOUTH
(see also subdivision under Great Britain; Murom; United States)
"Akula." S. Bogomiavskii. Smena 40 no. 12:26 Je '63.
Biasova, E. D., ed. [In the circle of the fronts' young people in the years of the civil war] V kol'tse frontov: molodezh' v gody grazhdanskoi voiny; sbornik dokumentov. [Moskva] Molodaia gvardiia, 1963. 413 p.
Twenty-six paths into the future. T. Kunakova. Ogonek 41 no. 43:2 of cover, 1 O '63.
Wings of youth. A. Kamshalov. V mire knig 3 no. 9:1-2 S '63.

YOUTH—CONGRESSES
For peace and friendship. Ukraina no. 16:7 Ag '62.
Grind, N., and V. Tkachenko. [Encounters at the festival] Festival'nye vstrechi. [Kalinin] Kalininskoe knizhnoe izd-vo, 1963. 110 p. (MH-L)
The World Youth Forum. Rosa Jasowich. Zhen. mira no. 11:32 '61.

YOUTH—EMPLOYMENT
(see also subdivision under Leningrad)
Establishing work norms for adolescents. I. Kramarenko, I. Aktovleva. Prof.-tekh. obr. 20 no. 10:18 O '63.
Job finding for youth in the U. S. S. R. K. Urzhinskii. Sots. trud 8 no. 10:108-114 O '63.
Supplement to the list of production processes, occupations, positions and work prohibiting the use of laborers under 18 years of age. Regulation No. 188, June 14, 1963 of the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. Biul. Gos. kom. po vop. truda i zar. platy no. 7:10 '63.

YOUTH—PERIODICALS
A faithful friend of youth. L. Vasil'eva. Komsom. zhizn' no. 16:15-16 S '63.

YOUTH—RECREATION see subdivision under Ivanovo

YUGOSLAVIA—ARMY
Yugoslavian People's Army. A. Ratnikov. Komm. Vooruzh. Sil 4 no. 23:85-88 D '63.

YUGOSLAVIA—FOLKLORE STUDIES
Present-day folklore studies in Yugoslavia. N. Kravtsov. Sov. etn. no. 5 137-146 S-O '63.

YUGOSLAVIA—POLITICS AND GOVERNMENT
The 1943 events in Yugoslavia. G. Slavin. Nov. vrem. 21 no. 48:10-12 N '63.

YUGOSLAVIA—RIVERS
Yugoslav rivers and their development. F. Nesteruk, N. Zimina. Rech. transp. 22 no. 10:52-54 O '63.

YUGOSLAVIA—WORLD WAR, 1939-1945
The 1943 events in Yugoslavia. G. Slavin. Nov. vrem. 21 no. 48:10-12 N '63.

ZAGLADA, NADEZHDA GRIGOR'EVNA, 1893-
Zaglada, N. G. [Life, work, and meditations; a story of a field-team leader] Zhizn', trud, razdum'ia; rasskaz zven'evoi. Kiev, Gospolitizdat USSR, 1963. 114 p.

ZAGORSK—TOY INDUSTRY
Masters of children's joy. G. Marchenko. Smena 40 no. 13:26 Jl '63.

ZAGORSK DISTRICT—RUNOFF
Bass, S. V. [Intrazonal characteristics of the spring surface runoff in the forest zone] Vnutrizonal'nye osobennosti vesennego poverkhnostnogo stoka v lesnoi zone. Moskva, Izd-vo Akad. nauk SSSR, 1963. 105 p.

ZAKHAROV, MIKHAIL EGOROVICH
Man for the others. A. Starkov. Ogonek 41 no. 46:8-9 N '63.

ZANZIBAR—POLITICS AND GOVERNMENT
On the eve. K. Valentinov. Ogonek 41 no. 50:3 D '63.

ZAONEZHSKIY DISTRICT—RUSSIAN LANGUAGE—DIALECTS
Some characteristics of government with and without prepositions in the dialects of Zaonezhskiy District in the Karelian A. S. S. R. T. G. Dolia. Uch. zap. Petrozav. gos. un. 7 no. 1:247-260 '58.

ZAPOROZH'YE—AUTOMOBILES
Ukrainian automobiles. I. O. Sandalov. Ukraina no. 17: 9-10 S '62.

ZAPOROZH'YE—COKE INDUSTRY
Hand in hand. K. Strazov. Part. zhizn' no. 1:60-66 Ja '64.

ZAPOROZH'YE—FOUNDRIES—DESIGN AND CONSTRUCTION
Building an ingot mold making foundry at the "Zaporozhstal" Plant. V. Arkhipkin. Prom. stroi. i inzh. soor. 5 no. 5:3-8 S-O '63.

ZAPOROZH'YE—FOUNDRIES—DESIGN AND CONSTRUCTION
Building an ingot mold making foundry at the "Zaporozhstal" Plant. V. Arkhipkin. Prom. stroi. i inzh. soor. 5 no. 5:3-8 S-O '63.

ZAPOROZH'YE, BATTLE OF, 1943
Artillerymen at the bridgehead. A. Shilin. Voen.-ist. zhur. 5 no. 11:61-63 N '63.

ZAPOROZH'YE PROVINCE—BUILDING MATERIALS INDUSTRY
The production of clay tile and reinforced concrete is increasing. I. Bondar. Stil'. bud. 12 no. 1:13-14 Ja '62.

ZAPOROZH'YE PROVINCE—RADIOLOGY
Activity of the Zaporozh'ye Province Scientific Society of Roentgenologists and Radiologists for 1962. R. IA. Gasul', L. A. Budyko. Vest. rent. i rad. 38 no. 5:71-72 S-O '63.

ZARUBENTSY, BATTLE OF, 1943
Seventeen heroes of one regiment. G. Petrov, G. Nekhonov. Voen.-ist. zhur. 5 no. 10:43-49 O '63.

ZASODIMSKII, PAVEL VLADIMIROVICH, 1843-1921
Ivanovskii, G. I., and L. R. Frumkin. [P. V. Zasodimskii in our territory] P. V. Zasodimskii v nashem krae. [Novgorod] Novgorodskaia pravda, 1962. 47 p. (MH)
New data on P. V. Zasodimskii's life and work. N. IAkushin. Volog. krai no. 3:309-321 '62.

ZAUNGUZSKIYE KARAKUMY—WATER, UNDERGROUND
Role of buried takyrs in the formation of fresh and brackish water bodies in the Zaunguzskiye Karakumy. M. K. Kaldarov. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no. 1:91-97 '62.

ZEBRAS see subdivision under Askaniya Nova Preserve

ZEMAN, KAMIL, 1882-1952
Characteristics of Ivan Olbracht's works written during the 1920's. N. Kh. Kopystians'ka. Mizhslov. lit. vzaiem. no. 3 245-259 '63.

ZEOLITES
Geometric structure of cavities of the A and X-type zeolites. A. V. Kiselev, A. A. Lopatkin. Kin. i kat. 4 no. 5:786-791 S-O '63.
Production and study of the properties of x-type zeolites in ammonium and hydrogen ion exchange forms. G. V. TSitsishvili and others. Dokl. AN SSSR 152 no. 6:1136-1139 O '63.

ZERAVSHAN RANGE—ROCKS, IGNEOUS
Some problems of the structure, geology, and petrology of granitoids in the western part of the Zeravshan Range. N. V. Kotov. Sov. geol. 6 no. 12 89-102 D '63.

ZERAVSHAN VALLEY—AGRICULTURE
From the history of cultivation practices in the lowlands of Zeravshan. A. R. Mukhamedzhanov. Obshchestv. nauki v Uz. 7 no. 8:61-62 '63.

ZERAVSHAN VALLEY—RUNOFF
Regionalization of the mountainous part of the Zeravshan Basin according to the formation conditions of the average perennial runoff. B. A. Kamolov. Izv. Vses. geog. ob-va 95 no. 5:448-449 S-O '63.

ZERNOGRAD DISTRICT—AGRICULTURAL WORKERS
A club of shock workers of communist labor. V. Zaidiner. Komsom. zhizn' no. 19:9-11 O '63.

ZETKIN, KLARA, 1857-1933
Klara Zetkin on discipline and training in public behavior. V. M. Klarin. Sov. pedag. 27 no. 11:77-83 N '63.
Klara Zetkin on ideological and moral education. V. Klarin. Nar. obr. no. 12:114-118 D '63.

ZEYA VALLEY—GLACIAL EPOCH
Ancient glaciation of the Upper Zeya Depression and the Tukuringa-Dzhagda Ridge. V. V. Zamoruev, I. I. Sel. Izv. AN SSSR. Ser. geog. no. 6:76-80 N-D '63.

ZHDANOV—STEEL INDUSTRY
Perlov, I. A. [The time of strenuous work; notes of a secretary of a district party committee] Boevoe vremia; zametki sekretaria raikoma partii. [Donetsk] Donetskoe knizhnoe izd-vo, 1961. 35 p.

ZHDANOV—STEEL INDUSTRY—AUDITING AND INSPECTION
Fulfilling the instructions of the collective. V. Kovalev. Part. zhizn' no. 22:40-43 N '63.

ZHDANOV (DONETS BASIN)—METALLURGICAL PLANTS
Converter plant at the Zhdanov Metallurgical Plant. G. Podutov. Prom. stroi. i inzh. soor. 5 no. 5:1-3 S-O '63.

ZHEMOCHKIN, BORIS NIKOLAEVICH, 1887-1961
Boris Nikolaevich Zhemochkin. Stroi. mekh. i rasch., soor. 4 no. 1:47-48 '62.

ZHESTEV, MIKHAIL
Story of a family. E. Starikova. Nov. mir 38 no 6:246-249 Je '62.

ZHIRNOVSK DISTRICT—BEEF CATTLE—FEEDING AND FEEDS
Production of cheap beef. T. G. Khrebtov. Uchet i fin. v kolkhoz. i sovkhoz. 20 no. 10:43-44 O '63.

ZHITNIUK, IVAN DEM'IANOVICH, 1903-
Ivan Dem'ianovich Zhitniuk; on his 60th birthday. Vest. khir. 91 no. 7:144-145 Jl '63.

ZHITOMIR—CONSTRUCTION INDUSTRY—ACCOUNTING
Business accounting in construction. A. TSaruk. Part. zhizn' no. 21:35-38 N '63.

ZHITOMIR—INSTALLMENT PLAN
Credit sales are expanding. A. Kondratskii. Sov. torg. 37 no. 11:43-44 N '63.

ZHITOMIR PROVINCE—AGRICULTURAL ADMINISTRATION
Some remarks on the Communists in rural areas. N. G. Zaglada. Komm. Ukr. 38 no. 11:19-25 N '62.

ZHITOMIR PROVINCE—AGRICULTURE—ECONOMIC ASPECTS
Tie with life is the main thing in popularizing the knowledge of economics. G. Paskal'. Ekon. sel'khoz. 32 no. 7:112-113 Jl '61.

ZHITOMIR PROVINCE—COLLECTIVE FARMS—INTERFARM COOPERATION
The neighbor's shoulder. B. Rakhmanin. Part. zhizn' no. 24:37-41 D '63.

ZHITOMIR PROVINCE—EMBEZZLEMENT

Contacts with the Soviet public and a thorough planning of pretrial investigation ensure the solution of criminal offenses. L. Gavriluk, V. Liubinskii. Sots. zakon. 40 no. 10 36-38 O '63.

ZHITOMIR PROVINCE—LABOR COURTS

From the work experience of fellow workers' courts in Zhitomir Province. F. Il'chuk. Rad. pravo no 6 39-42 N-D '63.

ZHITOMIR PROVINCE—SUGAR BEETS—HARVESTING

Need for improving the SN5-2M beet puller. E. Mikhailenko. Tekh. v sel'khoz. 23 no. 9,71 S '63.

ZHITOMIR PROVINCE—UKRAINIAN LANGUAGE—STUDY AND TEACHING

Pedagogical lectures in Zhitomir. Ukr. mova i lit. v shkoli 13 no. 5 95-96 Jl '63.

ZHITOMIR PROVINCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Operation "Siegfried." Serhii Ukhlitev. Ukraina no. 12: 19-21 Je '62.

ZHUKOVSKI (MOSCOW PROVINCE)—COLD STORAGE WAREHOUSES

Experience in the operation of an experimental automated model cold storage warehouse in Zhukovski. V. M. Kutanin. Ser. III Nov. mash., obor. i sred. avtomatiz. no. 59:74-77 '63.

ZHURAVLEV, ALEKSANDR PETROVICH, d. 1962

Aleksandr Petrovich Zhuravlev, obituary. Masl.-zhir. prom 28 no 10 47 O '62

ZHYLUNOVICH, ZMITSER, 1887-1937

Stimulating words. S. Aleksandrovich. Belarus' 20 no. 9:28 S '63.

ZIKMUND, MIROSLAV, 1919-

Hundred and twenty kilometers with Hanzelka and Zikmund. Genrikh Gurkov. Ogonek 41 no. 44:22-23 O '63.

ZINC—ANALYSIS

Successive separation and determination of some elements by means of diantipyrylmethane. Part 1: Separation and determination of zinc and cadmium. V. P. Zhivopistsev, V. KH. Aitova, E. A. Selezneva. Izv. vys. ucheb. zav.; khim. i khim. tekh. 6, no. 5:739-743 '63

ZINC-BISMUTH ALLOYS see Bismuth-zinc alloys

ZINC IN THE BODY

Zinc content of the blood and its excretion from the body in Botkin's disease [with summary in English]. F. P. Ol'gina. Klin. med. 41 no. 7 23-27 Jl '63.

ZINC PLATING

Investigating the microstructure of zinc platings obtained from various electrolytes. A. D. Galushko. Mashinostroenie no. 5 93-94 S-O '63.

ZINC-SILICON ALLOYS see Silicon-zinc alloys

ZINC SULFIDE

Temperature dependence of the electroluminescence of zinc sulfide phosphors. V. V. Nuvar'eva, P. E. Ramazanov. Izv. vys. ucheb. zav., fiz. no. 3:113-118 '63.

ZINNER, HEDDA

The ballad of Ravensbrück. Hédda Zinnér. Zhen. mira no. 11:28-29, 33 '61.

ZIRCONIUM—ANALYSIS

Screening experiments in the study of separation of zirconium and hafnium by extraction with tributyl phosphate. IU. V. Granovskii and others. Zav. lab. 29 no. 10:1220 '63.

ZIRCONIUM-RHENIUM-MOLYBDENUM ALLOYS see Molybdenum-zirconium-rhenium alloys

ZMIYEV—ELECTRIC POWER PLANTS

The Zmiyev State Regional Electric Power Plant. Energ. stroi. no. 16:83-85 '60.

ZODIACAL LIGHT

Isophotes of the zodiacal light from observations made in Egypt in the fall of 1957 [with summary in English]. V. G. Fesenkov. Astron. zhur. 40 no. 6:1085-1094 N-D '63.

ZONE MELTING—BIBLIOGRAPHY see Bibliography—Zone melting

ZONING, ECONOMIC see Economic zoning

ZOOLOGICAL GARDENS see subdivision under Leningrad

ZOOLOGY

(see also subdivision under Volgograd Province)

Kuznetsov, B. A., and A. Z. Chernov. [Zoology course] Kurs zoologii. Moskva, Gos. izd-vo "Vysshaia shkola," 1963 357 p.

ZOOLOGY—ECOLOGY

Acclimatization of animals is the basis for increasing fauna resources. R. P. Zimina. Izv. AN SSSR Ser. geog no. 6:131-134 N-D '63.

Geographical isomorphism in homothermal animals [with summary in English]. S. M. Uspenskii. Zool. zhur. 42 no. 9:1392-1402 '63.

ZOOPLANKTON see subdivision under Rusoni, Lake

ZURBARAN, FRANCISCO, b. 1598

Maltiskain, K. M. [Francisco Zurbaran, 1598-1664; paintings, sculptures, engravings] Frantsisko Surbaran, 1598-1664; zhivopis', skul'ptura, grafika. Moskva, Iskusstvo, 1963. 97 p. illus.

ZYRYANOVSK REGION—SILVER FOX

Silver fox of the Rudnyy Altai. V. Georgiev. Koop. Kazakh. 6 no. 7:48-51 O '63.

PERIODICALS AVAILABLE IN ENGLISH TRANSLATION
COVER-TO-COVER

AKADEMIIA MEDITSINSKIKH NAUK SSSR. Vestnik
(Journal of the Academy of Medical Sciences of the U.S.S.R.)
Translation of 1962, v. 17 (selected items), nos. 2, 3, 5, 6, 9, 11, 1963, v. 18-
Single issues priced individually
Order from:
Office of Technical Services
U.S. Department of Commerce
Washington, D.C. 20230

AKADEMIIA NAUK SSSR Doklady.
Otdel Agrokhimii (Proceedings of the Academy of Sciences of the U.S.S.R. Agrochemistry Section)
Translation from 1956, v. 106, to v. 112
Single article reprints $5.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $5.00/article

AKADEMIIA NAUK SSSR. Doklady.
Otdel Biokhimii (Proceedings of the Academy of Sciences of the U.S.S.R. Biochemistry Section)
Translation begins with 1957, v. 112, nos. 1-6
1957 available in single article reprints from Consultants Bureau Enterprises, Inc. $5.00/article
1958-1961 available in single issues individually priced from Office of Technical Services.
1962, 1963, combined with Doklady Biological Sciences and Doklady Botanical Sciences, $45.00/year, $35.00/year* from Consultants Bureau Enterprises, Inc.
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $50.00/year

AKADEMIIA NAUK SSSR. Doklady.
Otdel Biologicheskikh nauk (Proceedings of the Academy of Sciences of the U.S.S.R. Biological Sciences Section)
Translation begins with 1957, v. 112, nos 1-6
1957-1961 available in single issues individually priced from Office of Technical Services.
1962, 1963, combined with Doklady Biochemistry and Doklady Botanical Sciences, $45.00/year, $35.00/year* from Consultants Bureau Enterprises, Inc.
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $75.00/year

AKADEMIIA NAUK SSSR. Doklady.
Otdel Botanicheskikh nauk (Proceedings of the Academy of Sciences of the U.S.S.R. Botanical Sciences Section)
Translation begins with 1957, v. 112, nos. 1-6
1957-1961 available in single issues individually priced from Office of Technical Services.
1962, 1963 combined with Doklady Biochemistry and Doklady Botanical Sciences, $45.00/year, $35.00/year* from Consultants Bureau Enterprises, Inc.
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $50.00/year

AKADEMIIA NAUK SSSR. Doklady.
Otdel Fizicheskoi Khimii (Proceedings of the Academy of Sciences of the U.S.S.R. Physical Chemistry Section)
Translation begins with 1957, v. 112, nos. 1-6-
Single article reprints $5.00
Order from.
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $160.00/year

AKADEMIIA NAUK SSSR. Doklady.
Otdel Fiziki (Proceedings of the Academy of Sciences of the U.S.S.R. Physics Section)
Translation begins with 1956, v. 106, nos. 1-6-
Single issues, 1956-1957, $5.00, 1958-1962, $7.00
1963 ff $4.00
Order from
American Institute of Physics
335 East 45th Street $35.00/year
New York, New York 10017 $25.00/year*

AKADEMIIA NAUK SSSR. Doklady.
Otdel Geokhimii (Proceedings of the Academy of Sciences of the U.S.S.R. Geochemistry Section)
Translation from 1956, v. 106 to 1958, v. 123
1956, $20.00; 1957, $15.00; 1958, $25.00; single article reprints $5.00, later issues incorporated in Doklady. Earth Science Section
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011

AKADEMIIA NAUK SSSR Doklady.
Otdel Geokhimii and Otdel Geologii (Proceedings of the Academy of Sciences of the U.S.S.R. Earth Science Sections; Includes Geochemistry Sections and Geological Sciences Sections)
Translation begins with 1959, v. 124, nos. 1-6-
Single issues $8.00
Order from:
American Geological Institute $45.00/year
2101 Constitution Avenue, N.W. $27.00/year*
Washington, D.C. 20000 to members

AKADEMIIA NAUK SSSR. Doklady.
Otdel Geologii (Proceedings of the Academy of Sciences of the U.S.S.R. Geological Science Section)
Translation from 1957, v. 112 to 1958, v. 123
1957-1958, $200.00/volume; single article reprints $5.00; later issues incorporated in Doklady: Earth Science Section
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011

AKADEMIIA NAUK SSSR. Doklady.
Otdel Khimicheskoi Tekhnologii (Proceedings of the Academy of Sciences of the U.S.S.R. Chemical Technology Section)
Translation begins with 1956, v. 106, nos. 1-6-
1956, $30.00; 1957, $15.00; 1958-1963, $25.00/year
Single article reprints $5.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $30.00/year

AKADEMIIA NAUK SSSR. Doklady.
Otdel Khimii (Proceedings of the Academy of Sciences of the U.S.S.R. Chemistry Section)
Translation begins with 1956, v. 106, nos. 1-6-
1956-1957, $05.00/year; 1958-1961, $110.00/year
1958 ff. single issues $25.00, 1956 ff. single article reprints $5.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $120.00/year

AKADEMIIA NAUK SSSR. Doklady.
Otdel Matematiki (Proceedings of the Academy of Sciences of the U.S.S.R. Mathematics Section)
Journal title: Soviet Mathematics - Doklady.
Translation begins with 1960, v. 130, nos. 1-6-
Single issues $6.00
Order from:
American Mathematical Society
190 Hope Street $17.50/year
Providence, Rhode Island 02904 $20.00/year foreign

AKADEMIIA NAUK SSSR. Doklady
Otdel Okeanologii (Proceedings of the Academy of Sciences of the U.S.S.R. Oceanology Section)
Translation begins with 1962-
Single issues
Order from:
American Geophysical Union
1515 Massachusetts Ave., N.W.
Washington, D.C. 20005 $18.00/year

AKADEMIIA NAUK SSSR Doklady.
Otdel Pochvovedeniia (Proceedings of the Academy of Sciences of the U.S.S.R. Soil Science Section)
Translation begins with 1961, v. 136, nos. 1-6-
Single issues individually priced
Order from:
Office of Technical Services
U.S. Department of Commerce Copies sold
Washington, D.C. 20230 individually

AKADEMIIA NAUK SSSR. Doklady.
Otdel Prikladnoi fiziki (Proceedings of the Academy of Sciences of the U.S.S.R. Applied Physics Section)
Translation from 1957, v. 112, nos. 1-6 to v. 123, nos. 1-6
Single article reprints $5.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $5.00/article

AKADEMIIA NAUK SSSR. Izvestiia.
Otdelenie Khimicheskikh nauk (Bulletin of the Academy of Sciences of the U.S.S.R. Division of Chemical Sciences)
Translation begins with 1952, v. 16, no. 1-
1952-1955, $80.00/volume, 1956, $160.00;
1957-1959, $45.00/volume, 1960, $80.00,
1961-1963, $120.00
Single issues, 1957-1959, $5.00
1960-1961, $10.00; 1962 ff. $15.00
Single article reprints, 1952-1956, $7.50
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $120.00/year

AKADEMIIA NAUK SSSR. Izvestiia.
Otdelenie Tekhnicheskikh nauk. Metallurgiia i toplivo (Russian Metallurgy and Fuels). Selected Articles.
Articles not translated in full are abstracted.
Translation begins with 1962, no. 1-
1960 issues available from Eagle Technical Publications, 62-b Stapleton Hall Rd, London N. 4, England
Single issues $15.00. Single articles not available.
Order from:
Scientific Information Consultants, Ltd.
Publications Department
661 Finchley Road
London N.W. 2, England $88.00/year

AKADEMIIA NAUK SSSR. Izvestiia.
Seriia Fizicheskaia (Bulletin of the Academy of Sciences *of the U.S.S.R. Physics Series)*
Translation begins with 1954, v. 18, no. 3-
Single issues $20.00, single article reprints $8.00
Order from:
Columbia Technical Translations
5 Vermont Avenue
White Plains, New York 10600 $215.00/year

AKADEMIIA NAUK SSSR. Izvestiia.
Seriia Geofizicheskaia (Bulletin of the Academy of Sciences of the U.S.S.R. Geophysics Series)
Translation begins with 1957, v. 7, no. 1-
Single issues $7.50
Order from:
American Geophysical Union
1515 Massachusetts Avenue, N.W.
Washington, D.C. 20005 $40.00/year

*Subscription rate to libraries of academic institutions.

AKADEMIIA NAUK SSSR Izvestiia, Seriia Geologicheskaia (Bulletin of the Academy of Sciences of the U S. S. R Geologic Series)
Translation begins with 1958, v. 23, no. 1-
Single issues $4. 25
Order from:
American Geological Institute — $45. 00/year
2101 Constitution Avenue, N. W. — $27. 00/year*
Washington, D. C. 20230 — to members

AKADEMIIA NAUK SSSR, Izvestiia, Tekhnicheskaia kibernetika (Bulletin of the Academy of Sciences of the U. S. S. R Engineering Cybernetics)
Translation begins with 1963, no. 1-
Single issues priced individually
Order from:
Office of Technical Services
U. S. Department of Commerce — Copies sold
Washington, D. C. 20230 — individually

AKADEMIIA NAUK SSSR GEOFIZICHESKII INSTITUT. Trudy (Transactions of the Geophysical Institute of the Academy of Sciences of the U. S. S. R)
Translation begins with 1957, no. 37-
Single issues individually priced
Order from:
American Geophysical Union
1515 Massachusetts Ave., N. W. — Copies sold
Washington, D. C. 20005 — individually

AKADEMIIA NAUK SSSR. INSTITUT VYSSHEI NERVNOI DEIATEL'NOSTI Trudy. Seriia fiziologicheskaia. (Transactions of the Institute of the Higher Nervous Function of the Academy of Sciences of the U. S. S. R. Physiological Series)
Translation begins with 1955, v. 1-
Single issues individually priced
Order from:
Office of Technical Services
U. S. Department of Commerce — Copies sold
Washington, D. C. 20230 — individually

AKADEMIIA NAUK SSSR. INSTITUT VYSSHEI NERVNOI DEIATEL'NOSTI. Trudy. Seriia patofiziologicheskaia (Transactions of the Institute of Higher Nervous Function of the Academy of Sciences of the U. S. S. R. Pathophysiological Series)
Translation begins with 1955, v. 1-
Single issues individually priced
Order from:
Office of Technical Services
U. S. Department of Commerce — Copies sold
Washington, D. C. 20230 — individually

AKADEMIIA NAUK SSSR. MORSKOI GIDROFIZICHESKII INSTITUT. Trudy. (Transactions of the Marine Hydrophysical Institute of the Academy of Sciences of the U. S. S. R.) included in Soviet Oceanography
Translation begins with 1962, v. 25
Order from:
American Geophysical Union
1515 Massachusetts Ave., N. W.
Washington, D. C. 20005 — $16. 00/year

AKUSTICHESKII ZHURNAL (Journal of Acoustics)
Translation begins with 1955, v. 1, no. 1-
Single issues $4. 00
Order from:
American Institute of Physics
335 East 45th Street
New York, New York 10017 — $13. 00/year

ANTIBIOTIKI (Antibiotics)
Translation begins with 1959, v. 4, no. 1-
1959, $25. 00; 1960, $75. 00
Single issues, 1959, $10. 00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $25. 00/year

ASTRONOMICHESKII ZHURNAL (Astronomical Journal)
Translation begins with 1957, v. 34, no. 1-
Single issues $5. 00
Order from:
American Institute of Physics
335 East 45th Street — $25. 00/year
New York, New York 10017 — $15. 00/year*

ATOMNAIA ENERGIIA (Atomic Energy)
Selected papers incorporated in International Journal of Nuclear Energy. Part A (Reactor Science)
3 vols. /year; Part B (Reactor Technology) 2 vols. /year, Part C (Plasma Physics, Accelerators, Thermonuclear Research) 2 vols. /year.
Translation begins with 1956, v 1, no. 1-
Single issues $9. 00
Order from:
Pergamon Press, Inc. — Parts A and B
122 East 55th Street — $60. 00/year
New York, New York 10022 — Part C $20. 00/year

ATOMNAIA ENERGIIA (Atomic Energy)
Translation begins with 1956, v. 1, no. 1-
Single issues $20. 00, single article reprints $12. 50
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $95. 00/year

AVTOMATICHESKAIA SVARKA (Automatic Welding)
Translation begins with 1959, v. 12, no. 1-
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $40 00/year

AVTOMATIKA I TELEMEKHANKA (Automation and Remote Control)
Translation begins with 1956, v. 17-
1956 available from Consultants Bureau Enterprises, Inc., single issues $30. 00; single article reprints $12. 50
Single issues, 1957 ff. $8 00
Order from:
Instrument Society of America
530 William Penn Place — $45. 00/year
Pittsburgh, Pennsylvania 15219 — $22. 50/year*

BIOFIZIKA (Biophysics)
Translation begins with 1957, v 2, no. 1-
Single issues $9. 00
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 — $30. 00/year

BIOFIZIKA (Biophysics)
Translation begins with 1961, v. 6, no. 1-
Order from:
Scripta Technica
1000 Vermont Avenue, N. W.
Washington, D. C. 20005 — $25. 00/year

BIOKHIMIIA (Biochemistry)
Translation begins with 1956, v. 21, no. 1-
Single issues $10. 00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $95. 00/year

BIULLETEN' EKSPERIMENTAL'NOI BIOLOGII I MEDITSINY (Bulletin of Experimental Biology and Medicine)
Translation begins with 1956, v. 41, no. 1-
Single issues $10. 00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $95. 00/year

BIULLETEN' IZOBRETENII
(Derwent Russian Patents Report; Chemistry and Allied subjects)
Translation begins with 1959, v. 36-
Order from:
Derwent Information Service
Rochdale House
Theobalds Road
London W. C. 1, England — $70. 00/year

BIULLETEN' IZOBRETENII (Russian Patent Bulletin; Chemistry and Fuels)
Translation from 1959, v. 36 to 1960, v. 37
Order from:
Research Information Service
Div. of Pergamon International Corp.
122 East 55th Street
New York, New York 10022 — $120. 00/year

BIULLETEN' IZOBRETENII (Russian Patents Abstracts, Part 1. General, Mechanical and Electrical; Part 2: Chemistry and Chemical Engineering
Translation begins with 1959, v. 36, no. 1-
Order from:
Technical Information Company
Chancery House
Chancery Lane
London W. C. 2, England

BIULLETEN' IZOBRETENII (U. S. S. R. Official Bulletin of Patents and Inventions)
Translation begins with 1959, v. 36, no. 1-
Order from:
Derwent Information Service
Rochdale House
Theobalds Road
London W. C. 1, England — $120. 00/year

DEREVOOBRABATYVAIUSHCHAIA PROMYSHLENNOST' (Woodworking Industry)
Translation begins with 1959, v. 8, no. 7-
Order from:
Timber Development Association, Ltd.
21, College Hill — $16. 00/year
London, E. C. 4, England — $ 8. 00/year*

ELEKTRICHESTVO (Electric Technology)
Selected papers, papers not translated are abstracted
Translation begins with 1957, v. 77 nos. 1-4-
Single issues $15. 00
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 — $56. 00/year

ELEKTROSVIAZ' (Telecommunications)
Translation begins with 1957, v. 11, no. 1-
Single issues $9. 00
Order from:
Pergamon Press, Inc. — $30. 00/year
122 East 55th Street — $15. 00/year
New York, New York 10022 — to individuals

ELEKTROSVIAZ' (Telecommunications)
Translation begins with 1961, v. 15, no. 1-
Order from:
Special Subscription Department
American Institute of Electrical Engineers
41 East 28th Street — $14. 25/year
New York, New York 10016 — $28. 50/year*

ENTOMOLOGICHESKOE OBOZRENIE (Entomological Review)
Translation begins with 1958, v. 37, no. 1-
1958-1961 available in single issues individually priced from Office of Technical Services.
Single issues 1962 ff. $7. 50
Order from:
Scripta Technica
1000 Vermont Avenue., N. W. — $25. 00/year
Washington, D. C. 20005 — $12. 00/year *

FARMAKOLOGIIA I TOKSIKOLOGIIA (Pharmacology and Toxicology)
Translation of 1957, v. 20, no. 1-1960, v. 23
1957-1959, $25. 00/volume; 1960, $75. 00
Single issues, 1958 ff. $10. 00, single article reprints, 1957, $5. 00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011

FIZIKA METALLOV I METALLOVEDENIE (The Physics of Metals and Metallography)
Translation begins with 1957, v. 4, no. 1-
Single issues $9. 00
Order from:
Pergamon Press, Inc. — $40. 00/year
122 East 55th Street — $20. 00/year
New York, New York 10022 — to members

FIZIKA TVERDOGO TELA (Solid State Physics)
Translation begins with 1959, v. 1, no. 1-
Single issues $8. 00
Order from:
American Institute of Physics
335 East 45th Street — $70. 00/year
New York, New York 10017 — $45. 00/year*

*Subscription rate to libraries of academic institutions.

FIZIOLOGICHESKII ZHURNAL SSSR IMENI I. M. SECHENOVA (I. M. Sechenov Physiological Journal)
Translation of 1957, v. 43, through 1961 v. 47
Single issues $9.00
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 — $60.00/year

FIZIOLOGICHESKII ZHURNAL SSSR IMENI I. M. SECHENOVA (I. M. Sechenov Physiological Journal)
Translation begins with 1961, v. 47, no. 1-
Order from:
Scripta Technica
1000 Vermont Avenue, N. W.
Washington, D. C. 20005 — $40.00/year

FIZIOLOGIIA RASTENII (Plant Physiology)
Translation begins with 1957, v. 4, no. 1-
1951-1961 available in single issues individually priced from Office of Technical Services.
1953, 1953, $15.00 each, $11.00 each* from
Consultants Bureau Enterprises, Inc.
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $125.00/year

GEODEZIIA I KARTOGRAFIIA (Geodesy and Cartography)
Translation begins with 1959, v. 4, no. 1-
Single issues $7.50
Order from:
American Geophysical Union
1515 Massachusetts Avenue, N. W.
Washington, D. C. 20005 — $20.00/year

GEOKHIMIIA (Geochemistry)
Translation begins with 1956, v. 1, no. 1-
Single issues $4.00
Order from:
Scripta Technica, Inc. — $25.00/year
1000 Vermont Ave., N. W. — $15.00/year*
Washington, D. C. 20005 — to members.

GEOLOGIIA NEFTI I GAZA (Petroleum Geology)
Translation begins with 1958, v. 2, no. 1-
Order from:
Petroleum Geology
Box 1H — $18.00/year
McLean, Virginia — $20.00/year foreign

GEOLOGIIA RUDNYKH MESTOROZHDENII [Geology of ore Deposits; Reviews and excerpts in "Reviews" section of Economic Geology)
Translation begins with 1959, v. 1, no. 1-
Order from:
The Economic Geology Publishing Company — $8.50/year
M. H. Leighton, Business Manager — $5.00/year
Urbana, Illinois — to students

GEOMAGNATIZM I AERONOMIIA (Geomagnatism and Aeronomy)
Translation begins with 1961, v. 1, no. 1-
Order from:
American Geophysical Union
1515 Massachusetts Avenue, N. W.
Washington, D. C. 20005 — $20.00/year

INZHENERNO-FIZICHESKII ZHURNAL (Journal of Engineering Physics). Abstracts in English
Abstracts begin with 1962, v. 5-
Single article translations available at $1.35/100 words
Order from:
Faraday Translations
15 Park Row
New York, New York 10038 — $12.00/year

INZHENERNO-FIZICHESKII ZHURNAL (Journal of Engineering Physics)
Translation begins with 1963, v. 6, no. 1-
Single issues priced individually
Order from:
Office of Technical Services
U. S. Department of Commerce — Copies sold
Washington, D. C. 20230 — individually

INZHENERNO-FIZICHESKII ZHURNAL (Journal of Engineering Physics)
Translation begins with 1964, v. 7, no. 1-
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $150.00/year

INZHENERNYI ZHURNAL (Engineering Journal)
Translation begins with 1963, v 3, no. 1-
Single issues priced individually
Order from:
Office of Technical Services
U. S. Department of Commerce — Copies sold
Washington, D. C. 20230 — individually

ISKUSTVENNYE SPUTNIKI ZEMLI (Artificial Earth Satellites)
Translation begins with 1959, v. 1-
v. 1-6 available from Plenum Press
Single issues
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $75.00/year

IZMERITEL'NAIA TEKHNIKA (Measurement Techniques)
Translation begins with 1958, v. 7, no. 1-
Single issues $6.00
Order from:
Instrument Society of America
530 William Penn Place — $25.00/year
Pittsburgh, Pennsylvania 15219 — $12.50/year*

KAUCHUK I REZINA (Soviet Rubber Technology)
Translation begins with 1959, v. 18, no. 1-
Single issues $4.00
Order from:
Palmerton Publishing Company, Inc.
101 West 31st Street — $50.00/year
New York, New York 10001 — $25.00/year*

KHIMICHESKOE MASHINOSTROENIE (Chemical Machinery Manufacture)
Translation begins with 1964, v. 6, no. 1-
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $95.00/year

KHIMIIA I TEKHNOLOGIIA TOPLIV I MASEL (Chemistry and Technology of Fuel and Oil)
Translation begins with 1964, v. 9, no. 1-
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $125.00/year

KINETIKA I KATALIZ (Kinetics and Catalysis)
Translation begins with 1960, v. 1, no. 1-
Single issues $35.00, single article reprints $12.50
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $150.00/year

KOKS I KHIMIIA (Coke and Chemistry)
Translation begins with 1959, v. 16, no. 8-
Single issues $3.00
Order from:
The Librarian
The Coal Tar Research Association
Oxford Road — $18.00/year
Gomersal, Leeds, England — $ 9.00/year*

KOLLOIDNYI ZHURNAL (Colloid Journal)
Translation begins with 1952, v. 14, no. 1-
1952-1960, $80.00/volume; 1961, $95.00
Single issues $20.00, single article reprints $7.50
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $95.00/year

KRISTALLOGRAFIIA (Crystallography)
Translation begins with 1957, v. 2, no. 1-
Single issues $5.00
Order from:
American Institute of Physics
335 East 45th Street — $25.00/year
New York, New York 10017 — $15.00/year*

LENINGRAD. GLAVNAIA GEOFIZICHESKAIA OBSERVATORIIA. Trudy (Main Geophysical Observatory. Transactions)
Translation begins with 1958, v. 76-
Order from:
American Meteorological Society
45 Beacon Street
Boston, Massachusetts 02108 — $5.00/volume

LITEINOE PROIZVODSTVO (Foundry Practice)
Translation begins with 1961, v. 12, no. 1-
Order from:
The British Cast Iron Research Association
Bordesley Hall
Alvechurch
Birmingham, England — $35.00/year

MEDITSINSKAIA RADIOLOGIIA (Medical Radiology)
Translation begins with 1958, v. 3, no. 1-
Single issues individually priced
Order from:
Office of Technical Services
U. S. Department of Commerce — Copies sold
Washington, D. C. 20230 — individually

MEDITSINSKII REFERATIVNYI ZHURNAL (Medical abstracts)
Translation begins with 1957, v. 1, no. 1-
Order from:
Excerpta Medica Foundation
2 East 103d Street — $25.00/year
New York, New York 10029 — plus postage

METALLOVEDENIE I TERMICHESKAIA OBRABOTKA METALLOV (Metal Science and Heat Treatment of Metals)
Translation begins with 1959, v. 5, no. 1-
Order from:
Consultants Bureau Enterprises, Inc. — $24.00/year
227 West 17th Street — $18.00/year
New York, New York 10011 — to members

METALLURG (Metallurgist)
Translation begins with 1957, v. 2-
1957-1958 available from Consultants Bureau Enterprises, Inc. $95.00/year; $12.50/issue, $7.50/article
Order from:
Consultants Bureau Enterprises, Inc. — $25.00/year
227 West 17th Street — $12.50/year
New York, New York 10011 — to members

MIKROBIOLOGIIA (Microbiology)
Translation begins with 1957, v. 26, no. 1-
1957-1961 available in single issues individually priced from Office of Technical Services.
1962, 1963, $20.00 each, $15.00 each* from
Consultants Bureau Enterprises, Inc.
Single issues 1962 ff. $4.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $95.00/year

OGNEUPORY (Refractories)
Translation begins with 1960, v. 25, no. 1-2-
Order from:
Consultants Bureau Enterprises, Inc. — $16.00/year
227 West 17th Street — $12.00/year
New York, New York 10011 — to members.

OPTIKA I SPEKTROSKOPIIA (Optics and Spectroscopy)
Translation begins with 1959, v. 6, no. 1-
Single issues $3.00
Order from:
Optical Society Subscription Handling Dept.
American Institute of Physics — $15.00/year
335 East 45th Street — $ 7.50/year
New York, New York 10017 — to members

OSNOVANIIA, FUNDAMENTY I MEKHANIKA GRUNTOV (Foundations and Soil Mechanics)
Translation begins with 1964, v. 6, no. 1-
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $75.00/year

PLASTICHESKIE MASSY (Plastics)
Translation begins with 1960, v. 8, no. 7-
Order from:
Rubber and Technical Press, Ltd.
Gaywood House
Great Peter Street
London S. W. 1, England — $60.00/year

POCHVOVEDENIE (Soil Science)
Translation begins with 1958, v. 53, no. 1-
1958-1961 available in single issues individually priced from Office of Technical Services.
Single issues 1962 ff. $4.50
Order from:
Scripta Technica, Inc. — $40.00/year
1000 Vermont Avenue N. W. — $20.00/year*
Washington, D. C. 20005 — and to members

*Subscription rate to libraries of academic institutions.

POROSHKOVAIA METALLURGIIA (Powder Metallurgy)
Translation begins with 1962, v. 2, no. 1-
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $80.00/year

PRIBOROSTROENIE (Instrument Construction)
Translation begins with 1959, v. 4, no. 1-
Single issues $2.15
Order from:
Taylor and Francis Ltd.
Red Lion Court, Fleet Street $17.00/year
London, E. C. 4, England $ 8.55/year*

PRIBORY I TEKHNIKA EKSPERIMENTA (Instruments and Experimental Techniques)
Translation begins with 1958, v. 3, no. 1-
Single issues $6.00
Order from:
Instrument Society of America
530 William Penn Place $25.00/year
Pittsburgh, Pennsylvania 15219 $12.50/year*

PRIKLADNAIA MATEMATIKA I MEKHANIKA (Journal of Applied Mathematics and Mechanics)
Translation begins with 1958, v. 22, no. 1-
Single issues $12.00
Order from:
Pergamon Press, Inc. $35.00/year
122 East 55th Street $28.00/year
New York, New York 10022 to members

PROBLEMY GEMATOLOGII I PERELIVANIIA KROVI (Problems of Hematology and Blood Transfusion)
Translation begins with 1957, v. 2, no. 1-
Single issues $9.00
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 $40.00/year

PROBLEMY KIBERNETIKI (Problems of Cybernetics)
Translation begins with 1959, no. 1-
Single issues $9.00
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 $60.00/year

PROBLEMY SEVERA (Problems of the North)
Translation begins with 1958, no. 1-
Single article reprints $1.00
Order from:
Translations Section
The Library
National Research Council
Sussex Drive,
Ottawa 2, Canada $7.00/issue

RADIOKHIMIIA (Radiochemistry)
Translation of 1960, v. 2, 1961, v. 3 in process
Single issues not available
Order from:
Office of Technical Services
U. S. Department of Commerce
Washington, D. C. 20230 $2.75/2 issues

RADIOKHIMIIA (Radiochemistry)
Translation begins with 1962, v 4-
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $95.00/year

RADIOTEKHNIKA (Radio Engineering)
Translation begins with 1961, v. 16, no. 1-
Order from:
American Institute of Electrical Engineers
Special Subscription Department
275 Madison Ave. $29.50/year
New York, New York 10016 $57.00/year

RADIOTEKHNIKA I ELEKTRONIKA (Radio Engineering and Electronics)
Translation begins with 1961, v. 6, no. 1-
Order from:
Special Subscription Department
IEEE
275 Madison Avenue $28.50/year
New York, New York 10016 $57.00/year

REFERATIVNYI ZHURNAL (Journal of Abstracts; Various series)
Translation from 1956-1960
Single issues individually priced
Order from:
Office of Technical Services
U. S Department of Commerce Copies sold
Washington, D. C. 20230 individually

REFERATIVNYI ZHURNAL: MEKHANIKA (Journal of Abstracts: Mechanics)
Translation begins with 1956, v. 4, no. 1-
Order from:
Technical Information Library
Ministry of Aviation
First Avenue House
High Holborn
London W. C. 1, England

REFERATIVNYI ZHURNAL: METALLURGIIA (Journal of Abstracts: Metallurgy)
Translation begins with 1957, v. 2, no. 9-
Single issues $9.00
Order from:
Acta Metallurgica Part A:$25.00/year
122 East 55th Street $12.50/year
New York, New York to members
Part B:$80.00/year
$30.00/year
to members

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; aviatsionnaia tekhnika (Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Aviation Engineering)
Translation begins with 1963, no. 1-
Single issues priced individually
Order from:
Office of Technical Services
U. S. Department of Commerce Copies sold
Washington, D. C. 20230 individually

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; geodeziia i aeros"emka (Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Geodesy and Aerial Photography).
Translation begins with 1962, no. 1
Single issues $7.50
Order from:
American Geophysical Union
1515 Massachusetts Avenue, N. W.
Washington, D. C. 20005 $20.00/year

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; priborostroenie (Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Instrument Manufacture)
Translation begins with 1962, v. 5, no. 1-
Single issues individually priced
Order from:
Office of Technical Services
U. S. Department of Commerce Copies sold
Washington, D. C. 20230 individually

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, radiofizika (Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Physics).
Translation begins with 1959, v. 2, no. 1-
Single issues individually priced
Order from:
Office of Technical Services
U. S. Department of Commerce Copies sold
Washington, D. C. 20230 individually

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, radiotekhnika (Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering).
Translation begins with 1959, v. 2, no. 1-
Single issues individually priced
Order from:
Office of Technical Services
U. S. Department of Commerce Copies sold
Washington, D. C. 20230 individually

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, tekhnologiia tekstil'noi promyshlennosti (Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Technology of the Textile Industry)
Translation begins with 1960, v. 4, no. 1-
Order from:
The Textile Institute
10, Blackfriars Street $21.00/year
Manchester 3, England $15.25/year*

SINTEZY GETEROTSIKLICHESKIKH SOEDINENII (Syntheses of Heterocyclic Compounds)
Translation begins with 1956-1957, v. 1-2-
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street $6.00/volume
New York, New York 10011 of two years

SOVETSKAIA GEOLOGIIA (Soviet Geology)
Translation begins with 1960, no. 1-
Selected papers are published in International Geological Review, others available in photocopy form at 15¢ per translation page
Order from:
American Geological Institute $55.00/year
2101 Constitution Ave., N. W. $15.00/year
Washington, D. C. 20000 to members

STAL' (Steel)
Translation begins with 1959, v. 19, no. 1-
Single issues $5.00
Order from:
The Iron and Steel Institute $58.00/year
4, Grosvenor Gardens $50.00/year*
London S. W. 1, England $44.00/year
to members

STANKI I INSTRUMENT (Machine Tools and their Cutting Tools)
Translation begins with 1959, v. 30, no. 1-
Single issues $1.87
Order from:
Production Engineering Research Association of Great Britain, Staveley Lodge
Melton Mowbray
Leicestershire, England $20.00/year

STEKLO I KERAMIKA (Glass and Ceramics)
Translation begins with 1956, v. 13, no. 1-
Single article reprints, 1956, $7.50
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $125.00/year

SVAROCHNOE PROIZVODSTVO (Welding Production)
Translation begins with 1959, v. 5, no. 4-
Single issues $3.75
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $40.00/year

TEORIIA VEROIATNOSTEI I EE PRIMENENIIA (Theory of Probability and its Applications)
Translation begins with 1956, v. 1, no. 1-
Order from:
Business Manager
Society for Industrial and Applied Mathematics
Box 7541 $16.00/year
Philadelphia, Pennsylvania 19101 $14.50/year*
to members

TEPLOENERGETIKA (Heat Engineering)
Translation begins with 1962, v. 9, no. 1-
Single article translations available at $1.35/100 words
Order from:
Faraday Translations
15 Park Row
New York, New York 10038 $12.00/year

TEPLOFIZIKA VYSOKIKH TEMPERATUR (Thermophysics of High Temperatures)
Translation begins with 1963, v. 1, no. 1-
Order from:
American Institute of Physics $25.00/1963
335 East 45th Street $50.00/1964
New York, New York 10017 $70.00/1963 and 1964

*Subscription rate to libraries of academic institutions.

TRENIE I IZNOS V MASHINAKH (Friction and Wear of Machines)
Translation begins with 1958, no. 12-
Order from:
American Society of Mechanical Engineers
29 West 39th Street
New York, New York 10018 — $7.00/no. 12

TSEMENT (Cement)
Translation of 1956, v. 22
Single article reprints $7.50
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $7.50/article

TSENTRAL'NAIA AEROLOGICHESKAIA OBSERVATORIIA Trudy (Central Aerological Observatory, Transactions)
Translation begins with 1958, v. 21-
Order from:
Assistant Secretary
Royal Meteorological Society
49 Cromwell Road
London, S.W. 7, England — £3. 3s for the first issue

TSITOLOGIIA (Cytology)
Translation begins with 1959, v. 1, no. 1-
Single issues individually priced
Order from:
Office of Technical Services
U.S. Department of Commerce
Washington, D.C. 20230 — Copies sold individually

TSVETNYE METALLY (Nonferrous Metals)
Translation begins with 1960, v. 33, no. 1-
Single issues $15.00
Order from:
Primary Sources
11 Bleecker Street
New York, New York 10012 — $95.00/year

USPEKHI FIZICHESKIKH NAUK (Progress in the Physical Sciences; major articles)
Translation of 1957, v. 61-63; 1958, v. 64-65 in process
Single issues not available
Order from:
Office of Technical Services
U.S. Department of Commerce
Washington, D.C. 20230 — $6.50/volume

USPEKHI FIZICHESKIKH NAUK (Progress in the Physical Sciences, major articles)
Translation begins with 1958, v. 66-
Single issues 1958-1961, $9.00;
1962 ff. $8.00
Order from:
American Institute of Physics
335 East 45th Street
New York, New York 10017 — $45.00/year

USPEKHI KHIMII (Progress in Chemistry)
Translation begins with 1960, v. 29, no. 1-
Single issues $4.00
Order from:
Cleaver-Hume Press, Inc.
31, Wright's Lane
London W. 8, England — $36.00/year
$27.00/year*

USPEKHI MATEMATICHESKIKH NAUK (Progress in the Mathematical Sciences; selected articles)
Translation begins with 1960, v. 15, no. 1-
Single issues $6.00
Order from:
Cleaver-Hume Press, Ltd.
31, Wright's Lane
Kensington
London W. 8, England — $32.00/year

USPEKHI SOVREMENNOI BIOLOGII (Progress in Contemporary Biology)
Translation from 1959, v. 48, no. 1, to 1960, v. 50, no. 3
Single issues $5.00
Order from:
National Leading Library for Science and Technology
Boston Spa
Yorkshire, England — $20.00/year

VESTNIK MASHINOSTROENIIA (Machine-Building Review)
Translation begins with 1959, v. 39, no. 4-
Single issues $2.50
Order from:
Production Engineering Research Association
Staveley Lodge
Melton Mowbray
Leicestershire, England — $27.00/year
$20.00/year*

VESTNIK SVIAZI (Communication Review)
Translation 1947, v. 7, 1948, v. 8, nos 1-11, 1952, v. 12, nos 1, 4, 6-8, 10, 1953, v. 13, nos 6-12, 1954, v. 14, no 1-
Single issues individually priced
Order from,
Office of Technical Services
U.S. Department of Commerce
Washington, D.C. 20230 — Copies sold individually

VOENNO-MEDITSINSKII ZHURNAL (Journal of Military Medicine)
Translation begins with 1957, no. 10-
Single issues individually priced
Order from:
Office of Technical Services
U.S. Department of Commerce
Washington, D.C. 20230 — Copies sold individually

VOPROSY ONKOLOGII (Problems of Oncology)
Translation begins with 1957, v. 3, through 1961, v. 7
Single issues $9.00
Order from:
Pergamon Press, Inc
122 East 55th Street
New York, New York 10022 — $60.00/year

VOPROSY ONKOLOGII (Problems of Oncology)
Translation begins with 1961, v. 7, no 1-
Order from:
Scripta Technica
1000 Vermont Avenue N.W.
Washington, D.C. 20005 — $40.00/year

VOPROSY PSIKHOLOGII (Problems of Psychology)
Translation begins with 1960, v. 6, through 1961, v. 7
Order from:
Pergamon Press, Inc.
122 East 55th Street — $15.00/year
New York, New York 10022 — $40.00/year*

VOPROSY VIRUSOLOGII (Problems of Virology)
Translation begins with 1957, v. 2, through 1961, v. 6
Single issues $9.00
Order from:
Pergamon Press, Inc
122 East 55th Street
New York, New York 10022 — $30.00/year

VYSOKOMOLEKULIARNYE SOEDINENIIA (Macromolecular Compounds)
Translation begins with 1959, v. 1, nos. 1-3-
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 — $60.00/year

ZAVODSKAIA LABORATORIIA (The Factory Laboratory)
Translation begins with 1958, v. 24, no. 1-
Single issues $6.00
Order from:
Instrument Society of America
530 William Penn Place
Pittsburgh, Pennsylvania 15219 — $45.00/year
$22.50/year*

ZHURNAL ANALITICHESKOI KHIMII (Journal of Analytical Chemistry)
Translation begins with 1952, v. 7, no. 1-
Single issues $20.00, single article reprints $7.50
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $135.00/year

ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI (Journal of Experimental and Theoretical Physics)
Translation journal known as Soviet Physics-JETP
Translation begins with 1955, v. 28, no. 1-
Single issues $8.00
Order from:
American Institute of Physics
335 East 45th Street
New York, New York 10017 — $37.50/year ea additional copy
$75.00/year
$50.00/year*

ZHURNAL FIZICHESKOI KHIMII (Journal of Physical Chemistry)
Translation begins with 1959, v. 33, no. 7-
Single issues $12.00
Order from:
Cleaver-Hume Press, Ltd.
31, Wright's Lane
London, W. 8, England — $90.00/ye
$67.50/ye

ZHURNAL MIKROBIOLOGII EPIDEMIOLOGII I IMMUNOBIOLOGII (Journal of Microbiology, Epidemiology and Immunobiology)
Translation of 1957, v. 28, through 1961, v. 32
Single issues $9.00
Order from
Pergamon Press, Inc
122 East 55th Street
New York, New York 10022 — $50.00/year

ZHURNAL NEORGANICHESKOI KHIMII (Journal of Inorganic Chemistry)
Translation of 1956, v. 1 through 1958, v. 3
Single issues $3.75
Order from:
Office of Technical Services
U.S. Department of Commerce
Washington, D.C. 20230 — $3.75/issue

ZHURNAL NEORGANICHESKOI KHIMII (Journal of Inorganic Chemistry)
Translation begins with 1959, v. 4, no. 1-
Single issues $12.00
Order from:
Cleaver-Hume Press Ltd.
31 Wright's Lane — $90.00/year
London, W 8, England — $67.50/year*

ZHURNAL NEVROPATOLOGII I PSIKHIATRII (Journal of Neuropathology and Psychiatry, selected articles)
Translation begins with 1960, v. 60, nos. 1-3-
Order from
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 — $40.00/year

ZHURNAL OBSHCHEI KHIMII (Journal of General Chemistry)
Translation begins with 1949, v. 19, no. 1-
1949-1954, $95.00/volume, 1955, $115.00, 1956, $175.00, 1957-1959, $90.00/volume, 1960, $120.00, 1961-, $160.00/volume
Single issues, 1957-1959, $10.00, 1960-1961, $15.00, 1962 ff. $30.00
Single article reprints, 1949-1956, $7.50, 1962 ff. $15.00
Order from
Consultants Bureau Enterprises, Inc.
227 West 17th Street — $160.00/year
New York, New York 10011 — $95.00/year*

ZHURNAL PRIKLADNOI KHIMII (Journal of Applied Chemistry)
Translation begins with 1950, v. 23, no. 1-
1950-1956, $80.00/volume, 1957-1959, $60.00/volume; 1960, $95.00, 1961, $130.00, 1962, $135.00
Single issues, 1957-1959, $7.50, 1960-1961, $10.00, 1962 ff. $30.00. Single article reprints 1950-1956, $7.50, 1962 ff. $30.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street — $135.00/year
New York, New York 10011 — $75.00/year*

ZHURNAL STRUKTURNOI KHIMII (Journal of Structural Chemistry)
Translation begins with 1960, v. 1, no. 1-
Single issues $20.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $95.00/year

ZHURNAL TEKHNICHESKOI FIZIKI (Journal of Technical Physics)
Translation begins with 1956, v. 26, no. 1-
Single issues 1956-1962, $8.00
1962 ff. $5.00
Order from
American Institute of Physics
335 East 45th Street

*Subscription rate to libraries of academic institutions.

Selected Bibliographies and Reference Works

Soviet Russian Scientific and Technical Terms. A Selective List. Prepared by the Lexicographic and Terminology Section, Aerospace Information Division, Library of Congress. 1963. vi, 668 p. Price $3.50. For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402 L. C. Card, 60-60977

Contains over 26,000 entries which, generally speaking, cannot be found in standard dictionaries, or which have a special meaning when used in a particular field of science and technology. A number of frequently used abbreviations have also been included. For the convenience of the users, abbreviated glosses corresponding to 31 different fields have been added to many English translations.

Soviet Science and Technology. A Bibliography on the State of the Art, 1955–1961. Prepared in the Science and Technology Division, Library of Congress. 1962. 209 p. Price $1.00. For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402 L. C. Card, 62-60058

Contains over 2000 annotated entries for periodical and monographic materials from Soviet-bloc and Western sources. These include reports on study trips, surveys, and bibliographies. Entries are arranged alphabetically under approximately 100 subject headings, which are also listed at the back of the compilation. Library of Congress call numbers and other identifying numbers have been included when known.

Bulgarian Abbreviations. A Selective List. Compiled by Konstantin Z. Furness. 1961. iii, 326 p Price $1.50. For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402 L. C. Card, 61-60056

Intended to aid readers in ascertaining the meaning of abbreviations which often occur in current Bulgarian texts. Each entry contains the Bulgarian and the transliterated abbreviation, as well as the expansion in Bulgarian and in English.

Hungarian Abbreviations. A Selective List. Compiled by Elemer Bako. 1961. iv, 146 p. Price $0.45. For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402 L. C. Card, 61-60004

Covers mainly names of government agencies, public institutions, societies, industrial and trade enterprises, and other organizations. General abbreviations frequently used are also included.

Yugoslav Abbreviations. A Selective List. Compiled by Ilija P. Plamenatz. Second enlarged edition. 1962. iv, 198 p. Price $1.00. For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402 L. C. Card, 62-60076

Lists abbreviations, with their expansions and English translations, for Serbo-Croatian, Slovenian, and Macedonian terms used in Yugoslavia since World War II, particularly names of government agencies, societies, and industrial and trade establishments. All entries are in the Latin alphabet, and transliterations are made when necessary according to a Cyrillic transliteration table provided. An appendix contains approximately 200 abbreviations identified since the first edition was published in 1959.

Eighteenth Century Russian Publications in the Library of Congress. A Catalog. Prepared by Tatiana Fessenko. 1961. xvi, 157 p. Price $1.00. For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402 L. C. Card, 61-60095

The arrangement is alphabetic by author and, if authorship is not established, by title. "Very rare" and "rare" books are marked by asterisks. Illustrations.

Latin America in Soviet Writings, 1945–1958. A Bibliography. Compiled by Leo A. Okinshevich and Cecilia J. Gorokhoff. Edited by Nathan A. Haverstock. 1960 (Reprint) xii, 257 p. illus. $2.00. For sale by Card Division, Library of Congress, Washington, D. C. 20540 L. C. Card, 59-64248

Contents: Preface by Howard F. Cline. Foreword by Sergius Yakobson. General reference works. Anthropology. Art and architecture. Economics. Education. Geography and geology. Government and politics. History. International relations. Labor. Law. Literature. Music. Philosophy. Science and medicine. Social conditions. Travel. Sports and games. Theatre arts. Flora and fauna. Reviews. Subject index. Author index.

Russian, Ukrainian and Belorussian Newspapers, 1917–1953. A Union List. Compiled by Paul L. Horecky. 1953. xi, 218 p. Price $1.45. For sale by Card Division, Library of Congress, Washington, D. C. 20540 L. C. Card, 54-60001

Lists 859 Russian, Ukrainian and Belorussian newspapers issued since January 1, 1917, within the territory of the present U. S. S. R. and which were in the possession of libraries in the United States as of May 1953. Holdings of each library are listed separately by year, the degree of completeness being indicated after each year by symbols. Material arranged by place of publication, and alphabetical index of titles included at end of list.

Newspapers of the Soviet Union in the Library of Congress (Slavic, 1954–1960; Non-Slavic, 1917–1960). Prepared by Paul L. Horecky with the assistance of John P. Balys and Robert G. Carlton. iv, 73 p. Price $0.60. For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402 L. C. Card, 62-60087

This record of newspapers, available in print and on microfilm, offers for each title bibliographic information and itemized holdings. The material is listed alphabetically by title. This list is in part a continuation of *Russian, Ukrainian and Belorussian Newspapers, 1917–1953*, which in addition to the Library's holdings also includes those of other major U. S. repositories.

Electric Power Industry of the U. S. S. R. An Annotated Bibliography. Compiled by J. D. Philippoff with the assistance of Elizabeth G. Dorosh and N. R. Rodionoff. 1952. xi, 154 p. Price $1.00. For sale by Card Division, Library of Congress, Washington, D. C. 20540 L. C. Card, 52-60044

Contents: Bibliographies and Indexes. Periodicals. Transactions. General reference publications. Power engineering. Economics and operation. Steam-power engineering and equipment. Hydro-power engineering and equipment. Electric power equipment. System control and protection. Power transmission. Power distribution. Individual power plants, systems, and projects by regions. Electrification and economic planning. Author and subject indexes.

Soviet Geography. A Bibliography. Edited by Nicholas R. Rodionoff. 1951. xx, 668 p. In two parts. Part 1: U. S. S. R.—Geography by Subject. Price $2.35. Part 2: Administrative, Natural and Economic Regions. Price $2.25. For sale by Card Division, Library of Congress, Washington, D. C. 20540 L. C. Card, 51-62891

Extensive bibliography listing over 4,000 titles of the important works on the geography of the Soviet Union, most of which have been published since 1917. Contents: *Part 1.* Geographical science. General descriptions. Expeditions, explorations, and discoveries. Historical geography. Physical geography. Economic geography. Political and military geography. Atlases and cartography. Bibliography and biobibliography. *Part 2.* Russian Soviet Federated Socialist Republic. Karelian S. S. R. Baltic Constituent Republics. White Russian S. S. R. Moldavian S. S. R. Ukrainian S. S. R. Transcaucasian Constituent Republics. Kazakh S. S. R. Asiatic Constituent Republics. Author and subject indexes.

POROSHKOVAIA METALLURGIIA (Powder Metallurgy)
Translation begins with 1962, v 2, no. 1-
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $80.00/year

PRIBOROSTROENIE (Instrument Construction)
Translation begins with 1959, v. 4, no. 1-
Single issues $2.15
Order from:
Taylor and Francis Ltd.
Red Lion Court, Fleet Street $17.00/year
London, E.C. 4, England $ 8.55/year*

PRIBORY I TEKHNIKA EKSPERIMENTA (Instruments and Experimental Techniques)
Translation begins with 1958, v. 3, no. 1-
Single issues $6.00
Order from:
Instrument Society of America
530 William Penn Place $25.00/year
Pittsburgh, Pennsylvania 15219 $12.50/year*

PRIKLADNAIA MATEMATIKA I MEKHANIKA (Journal of Applied Mathematics and Mechanics)
Translation begins with 1958, v. 22, no. 1-
Single issues $12.00
Order from:
Pergamon Press, Inc. $35.00/year
122 East 55th Street $28.00/year
New York, New York 10022 to members

PROBLEMY GEMATOLOGII I PERELIVANIIA KROVI (Problems of Hematology and Blood Transfusion)
Translation begins with 1957, v. 2, no. 1-
Single issues $9.00
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 $40.00/year

PROBLEMY KIBERNETIKI (Problems of Cybernetics)
Translation begins with 1959, no. 1-
Single issues $9.00
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 $60.00/year

PROBLEMY SEVERA (Problems of the North)
Translation begins with 1956, no. 1-
Single article reprints $1.00
Order from:
Translations Section
The Library
National Research Council
Sussex Drive,
Ottawa 2, Canada $7.00/issue

RADIOKHIMIIA (Radiochemistry)
Translation of 1960, v. 2, 1961, v. 3 in process
Single issues not available
Order from:
Office of Technical Services
U. S. Department of Commerce
Washington, D.C. 20230 $2.75/2 issues

RADIOKHIMIIA (Radiochemistry)
Translation begins with 1962, v. 4-
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $95.00/year

RADIOTEKHNIKA (Radio Engineering)
Translation begins with 1961, v. 16, no. 1-
Order from:
American Institute of Electrical Engineers
Special Subscription Department
275 Madison Ave. $28.50/year
New York, New York 10016 $57.00/year

RADIOTEKHNIKA I ELEKTRONIKA (Radio Engineering and Electronics)
Translation begins with 1961, v. 6, no. 1-
Order from:
Special Subscription Department
IEEE
275 Madison Avenue $28.50/year
New York, New York 10016 $57.00/year

REFERATIVNYI ZHURNAL (Journal of Abstracts; Various series)
Translation from 1956-1960
Single issues individually priced
Order from:
Office of Technical Services
U. S. Department of Commerce Copies sold
Washington, D.C. 20230 individually

REFERATIVNYI ZHURNAL: MEKHANIKA (Journal of Abstracts: Mechanics)
Translation begins with 1956, v. 4, no. 1-
Order from:
Technical Information Library
Ministry of Aviation
First Avenue House
High Holborn
London W.C. 1, England

REFERATIVNYI ZHURNAL: METALLURGIIA (Journal of Abstracts: Metallurgy)
Translation begins with 1957, v. 2, no. 9-
Single issues $9.00
Order from:
Acta Metallurgica Part A: $25.00/year
122 East 55th Street $12.50/year
New York, New York to members
Part B: $80.00/year
$30.00/year
to members

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; aviatsionnaia tekhnika (Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Aviation Engineering)
Translation begins with 1963, no. 1-
Single issues priced individually
Order from
Office of Technical Services
U. S. Department of Commerce Copies sold
Washington, D.C. 20230 individually

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; geodeziia i aeros"emka (Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Geodesy and Aerial Photography).
Translation begins with 1962, no. 1
Single issues $7.50
Order from:
American Geophysical Union
1515 Massachusetts Avenue, N.W.
Washington, D.C. 20005 $20.00/year

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; priborostroenie (Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Instrument Manufacture)
Translation begins with 1962, v. 5, no. 1-
Single issues individually priced
Order from:
Office of Technical Services
U. S. Department of Commerce Copies sold
Washington, D.C. 20230 individually

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; radiofizika (Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Physics).
Translation begins with 1959, v. 2, no. 1-
Single issues individually priced
Order from:
Office of Technical Services
U. S. Department of Commerce Copies sold
Washington, D.C. 20230 individually

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; radiotekhnika (Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Engineering).
Translation begins with 1959, v. 2, no. 1-
Single issues individually priced
Order from:
Office of Technical Services
U. S. Department of Commerce Copies sold
Washington, D.C. 20230 individually

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tekhnologiia tekstil'noi promyshlennosti (Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of the Textile Industry)
Translation begins with 1960, v. 4, no. 1-
Order from:
The Textile Institute
10, Blackfriars Street $21.00/year
Manchester 3, England $15.25/year*

SINTEZY GETEROTSIKLICHESKIKH SOEDINENII (Syntheses of Heterocyclic Compounds)
Translation begins with 1956-1957, v. 1-2-
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street $6.00/volume
New York, New York 10011 of two years

SOVETSKAIA GEOLOGIIA (Soviet Geology)
Translation begins with 1960, no. 1-
Selected papers are published in International Geological Review, others available in photocopy form at 15¢ per translation page
Order from:
American Geological Institute $55.00/year
2101 Constitution Ave., N.W. $15.00/year
Washington, D.C. 20000 to members

STAL' (Steel)
Translation begins with 1959, v. 19, no. 1-
Single issues $5.00
Order from:
The Iron and Steel Institute $58.00/year
4, Grosvenor Gardens $50.00/year*
London S.W. 1, England $44.00/year
to members

STANKI I INSTRUMENT (Machine Tools and their Cutting Tools)
Translation begins with 1959, v. 30, no. 1-
Single issues $1.87
Order from:
Production Engineering Research Association of Great Britain, Staveley Lodge
Melton Mowbray
Leicestershire, England $20.00/year

STEKLO I KERAMIKA (Glass and Ceramics)
Translation begins with 1956, v. 13, no. 1-
Single article reprints, 1956, $7.50
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $125.00/year

SVAROCHNOE PROIZVODSTVO (Welding Production)
Translation begins with 1959, v. 5, no. 4-
Single issues $3.75
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 $40.00/year

TEORIIA VEROIATNOSTEI I EE PRIMENENIIA (Theory of Probability and its Applications)
Translation begins with 1956, v. 1, no. 1-
Order from:
Business Manager
Society for Industrial and Applied Mathematics
Box 7541 $18.00/year
Philadelphia, Pennsylvania 19101 $14.50/year*
to members

TEPLOENERGETIKA (Heat Engineering)
Translation begins with 1962, v. 9, no. 1-
Single article translations available at $1.35/100 words
Order from:
Faraday Translations
15 Park Row
New York, New York 10038 $12.00/year

TEPLOFIZIKA VYSOKIKH TEMPERATUR (Thermophysics of High Temperatures)
Translation begins with 1963, v. 1, no. 1-
Order from:
American Institute of Physics $25.00/1963
335 East 45th Street $50.00/1964
New York, New York 10017 $70.00/1963 and 1964

*Subscription rate to libraries of academic institutions.

TRENIE I IZNOS V MASHINAKH (Friction and Wear of Machines)
Translation begins with 1958, no. 12-
Order from:
American Society of Mechanical Engineers
29 West 39th Street
New York, New York 10018 — $7.00/no. 12

TSEMENT (Cement)
Translation of 1956, v. 22
Single article reprints $7.50
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $7.50/article

TSENTRAL'NAIA AEROLOGICHESKAIA OBSERVATORIIA Trudy (Central Aerological Observatory, Transactions)
Translation begins with 1956, v. 21-
Order from:
Assistant Secretary
Royal Meteorological Society
49 Cromwell Road — £3.3s for the first issue
London, S.W.7, England

TSITOLOGIIA (Cytology)
Translation begins with 1959, v. 1, no. 1-
Single issues individually priced
Order from:
Office of Technical Services
U.S. Department of Commerce — Copies sold individually
Washington, D.C. 20230

TSVETNYE METALLY (Nonferrous Metals)
Translation begins with 1960, v. 33, no. 1-
Single issues $15.00
Order from:
Primary Sources
11 Bleecker Street
New York, New York 10012 — $95.00/year

USPEKHI FIZICHESKIKH NAUK (Progress in the Physical Sciences; major articles)
Translation of 1957, v. 61-63; 1958, v. 64-65 in process
Single issues not available
Order from:
Office of Technical Services
U.S. Department of Commerce
Washington, D.C. 20230 — $6.50/volume

USPEKHI FIZICHESKIKH NAUK (Progress in the Physical Sciences, major articles)
Translation begins with 1958, v. 66-
Single issues 1958-1961, $9.00; 1962 ff. $8.00
Order from:
American Institute of Physics
335 East 45th Street
New York, New York 10017 — $45.00/year

USPEKHI KHIMII (Progress in Chemistry)
Translation begins with 1960, v. 29, no. 1-
Single issues $4.00
Order from:
Cleaver-Hume Press, Inc.
31, Wright's Lane — $30.00/year
London W. 8, England — $27.00/year*

USPEKHI MATEMATICHESKIKH NAUK (Progress in the Mathematical Sciences; selected articles)
Translation begins with 1960, v. 15, no. 1-
Single issues $6.00
Order from:
Cleaver-Hume Press, Ltd.
31, Wright's Lane
Kensington
London W. 8, England — $32.00/year

USPEKHI SOVREMENNOI BIOLOGII (Progress in Contemporary Biology)
Translation from 1959, v. 48, no. 1, to 1960, v. 50, no. 3
Single issues $5.00
Order from:
National Lending Library for Science and Technology
Boston Spa
Yorkshire, England — $20.00/year

VESTNIK MASHINOSTROENIIA (Machine-Building Review)
Translation begins with 1959, v. 39, no. 4-
Single issues $2.50
Order from:
Production Engineering Research Association
Staveley Lodge
Melton Mowbray — $27.00/year
Leicestershire, England — $20.00/year*

VESTNIK SVIAZI (Communication Review)
Translation 1947, v. 7, 1948, v. 8, nos. 1-11, 1952, v. 12, nos 1, 4, 6-8, 10, 1953, v 13, nos. 6-12, 1954, v. 14, no. 1-
Single issues individually priced
Order from:
Office of Technical Services
U.S. Department of Commerce — Copies sold individually
Washington, D.C. 20230

VOENNO-MEDITSINSKII ZHURNAL (Journal of Military Medicine)
Translation begins with 1957, no. 10-
Single issues individually priced
Order from:
Office of Technical Services
U.S. Department of Commerce — Copies sold individually
Washington, D.C. 20230

VOPROSY ONKOLOGII (Problems of Oncology)
Translation begins with 1957, v. 3, through 1961, v. 7
Single issues $9.00
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 — $60.00/year

VOPROSY ONKOLOGII (Problems of Oncology)
Translation begins with 1961, v. 7, no. 1-
Order from:
Scripta Technica
1000 Vermont Avenue N.W.
Washington, D.C. 20005 — $40.00/year

VOPROSY PSIKHOLOGII (Problems of Psychology)
Translation begins with 1960, v. 6, through 1961, v. 7
Order from:
Pergamon Press, Inc.
122 East 55th Street — $15.00/year
New York, New York 10022 — $40.00/year*

VOPROSY VIRUSOLOGII (Problems of Virology)
Translation begins with 1957, v. 2, through 1961, v. 6
Single issues $9.00
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 — $30.00/year

VYSOKOMOLEKULIARNYE SOEDINENIIA (Macromolecular Compounds)
Translation begins with 1959, v. 1, nos. 1-3-
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 — $60.00/year

ZAVODSKAIA LABORATORIIA (The Factory Laboratory)
Translation begins with 1958, v. 24, no. 1-
Single issues $6.00
Order from:
Instrument Society of America
530 William Penn Place — $45.00/year
Pittsburgh, Pennsylvania 15219 — $22.50/year*

ZHURNAL ANALITICHESKOI KHIMII (Journal of Analytical Chemistry)
Translation begins with 1952, v. 7, no. 1-
Single issues $20.00, single article reprints $7.50
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $135.00/year

ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI (Journal of Experimental and Theoretical Physics)
Translation journal known as Soviet Physics-JETP
Translation begins with 1955, v. 28, no. 1-
Single issues $8.00
Order from: — $37.50/year each additional copy
American Institute of Physics — $75.00/year
335 East 45th Street — $50.00/year*
New York, New York 10017

ZHURNAL FIZICHESKOI KHIMII (Journal of Physical Chemistry)
Translation begins with 1959, v. 33, no. 7-
Single issues $12.00
Order from:
Cleaver-Hume Press, Ltd.
31, Wright's Lane — $90.00/year
London, W. 8, England — $67.50/year*

ZHURNAL MIKROBIOLOGII EPIDEMIOLOGII I IMMUNOBIOLOGII (Journal of Microbiology, Epidemiology and Immunobiology)
Translation of 1957, v. 28, through 1961, v. 32
Single issues $9.00
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 — $60.00/year

ZHURNAL NEORGANICHESKOI KHIMII (Journal of Inorganic Chemistry)
Translation of 1956, v. 1 through 1958, v. 3
Single issues $3.75
Order from:
Office of Technical Services
U.S. Department of Commerce
Washington, D.C. 20230 — $3.75/issue

ZHURNAL NEORGANICHESKOI KHIMII (Journal of Inorganic Chemistry)
Translation begins with 1959, v 4, no. 1-
Single issues $12.00
Order from:
Cleaver-Hume Press Ltd.
31 Wright's Lane — $90.00/year
London, W. 8, England — $67.50/year*

ZHURNAL NEVROPATOLOGII I PSIKHIATRII (Journal of Neuropathology and Psychiatry, selected articles)
Translation begins with 1960, v. 60, nos 1-3-
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 — $40.00/year

ZHURNAL OBSHCHEI KHIMII (Journal of General Chemistry)
Translation begins with 1949, v. 19, no. 1-
1949-1954, $95.00/volume; 1955, $115.00; 1956, $175.00, 1957-1959, $90.00/volume; 1960, $120.00, 1961-, $160.00/volume
Single issues, 1957-1959, $10.00, 1960-1961, $15.00, 1962 ff. $30.00
Single article reprints, 1949-1956, $7.50; 1962 ff. $15.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street — $160.00/year
New York, New York 10011 — $ 95.00/year*

ZHURNAL PRIKLADNOI KHIMII (Journal of Applied Chemistry)
Translation begins with 1950, v. 23, no. 1-
1950-1956, $80.00/volume; 1957-1959, $60.00/volume; 1960, $95.00; 1961, $130.00, 1962, $135.00
Single issues, 1957-1959, $7.50; 1960-1961, $10.00; 1962 ff. $30.00. Single article reprints 1950-1956, $7.50, 1962 ff. $30.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street — $135.00/year
New York, New York 10011 — $ 75.00/year*

ZHURNAL STRUKTURNOI KHIMII (Journal of Structural Chemistry)
Translation begins with 1960, v. 1, no. 1-
Single issues $20.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York, New York 10011 — $95.00/year

ZHURNAL TEKHNICHESKOI FIZIKI (Journal of Technical Physics)
Translation begins with 1956, v. 26, no. 1-
Single issues 1956-1962, $8.00
1962 ff. $5.00
Order from:
American Institute of Physics
335 East 45th Street
New York, New York 10017 — $55.00/year

ZHURNAL VYSSHEI NERVNOI DEIATEL'NOSTI IMENI I. P. PAVLOVA (Pavlov Journal of Higher Nervous Activity)
Translation of 1958, v. 8 through 1961, v. 11
Single issues $9.00
Order from:
Pergamon Press, Inc.
122 East 55th Street
New York, New York 10022 — $30.00/year

ZHURNAL VYSSHEI NERVNOI DEIATEL'NOSTI IMENI I. P. PAVLOVA (Pavlov Journal of Higher Nervous Activity)
Translation begins with 1961, v. 11, no. 1-
Order from:
Scripta Technica
1000 Vermont Avenue, N.W.
Washington, D.C. 20005 — $30.00/year

*Subscription rate to libraries of academic institutions.

U.S. GOVERNMENT PRINTING OFFICE 1964 O - 726-081